

Results: P:\A4700_A4799\A4722\A4722_10216_DF_005.utp.res, saved 20-Oct-2012 12:49 (MDC)
 AP UltraTrace-Pro V4.71 User/System: MDC/MC17-047 cc: 7925, 2267, 3404 scc: 092-504
 Revised: 20-Oct-2012 09:22 (MDC) Printed: 21-Oct-2012 11:10 Page 12 of 12

Quantify Sample Summary Report

MassLynx 4.1
 ### Confirms Sample Summary ###

Dataset: C:\MassLynx\Default.pro\Results\c31oct12b-Confirms.qld

Last Altered: Thursday, November 01, 2012 16:02:41 Eastern Daylight Time
 Printed: Thursday, November 01, 2012 16:05:19 Eastern Daylight Time

A4722-10210-005

81203249

Method: C:\MassLynx\Default.PRO\MethDB\VF\Xms-TCDF_Smooth.mdb 01 Nov 2012 13:33:15
 Calibration: C:\MassLynx\Default.PRO\CurveDB\VF\Xms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c31oct12b-9
 Date: 31-Oct-2012
 Time: 18:59:44
 ID: 31203249006
 User: JHL
 Submitter:
 Task: HRMS3

Handwritten notes:
 2572 - TDF
 (13830) (110085146) (2000)
 (1008300) (1.218) (10.715)
 1.461 2.61 2.515

Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RRT	RT	Conc	EDL	SN1	SN2	M	Height1	Noise1	Height2	Noise2	Smp S...	FV	
2378-TCDF	1.385e4	6.324e3	7.524e3	0.84	NO	1.0006	21.00	1.492	0.0451	79.3	87.4	db	1.441e5	1817	1.862e5	2130	16.76	20	
ES:13C-2378-TCDF	9.093e5	3.966e5	5.126e5	0.77	NO	1.0019	20.99	112.301	0.1144	2475.2	2703.1	bb	9.361e6	3782	1.260e7	4661	16.76	20	
JS:13C-1234-TCDD	5.838e5	2.606e5	3.231e5	0.81	NO	0.0000	20.95	119.332	0.1610	1655.5	2034.1	bb	5.939e6	3588	7.305e6	3591	16.76	20	
Tetrafurans	-	6.517e4	-	-	-	-	-	16.484	0.0451	-	-	-	1.003e6	1817	-	-	16.76	20	
F1 Lock Mass	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	105339	-	1.00	1

Handwritten: L21. MAT 11/1/12

Quantify Sample Report MassLynx 4.1

Confirms Sample Summary

Dataset: C:\MassLynx\Default.pro\Results\c31oct12b-Confirms.qld

Last Altered: Thursday, 11/1/2012 11:23:28 AM Eastern Daylight Time

Printed: Thursday, 11/1/2012 11:24:49 AM Eastern Daylight Time

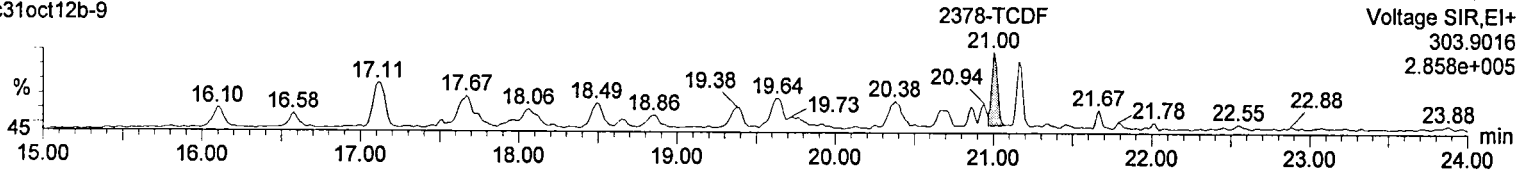
Method: C:\MassLynx\Default.PRO\MethDB\VFxms-TCDF_Smooth.mdb 31 Oct 2012 16:33:04

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c31oct12b-9, ID: 31203249006

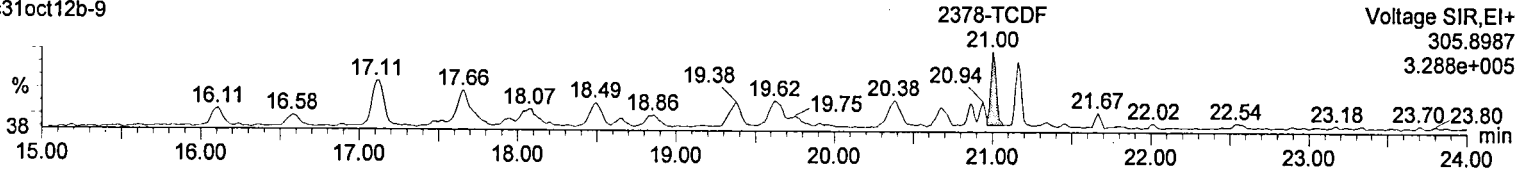
TCDF

c31oct12b-9



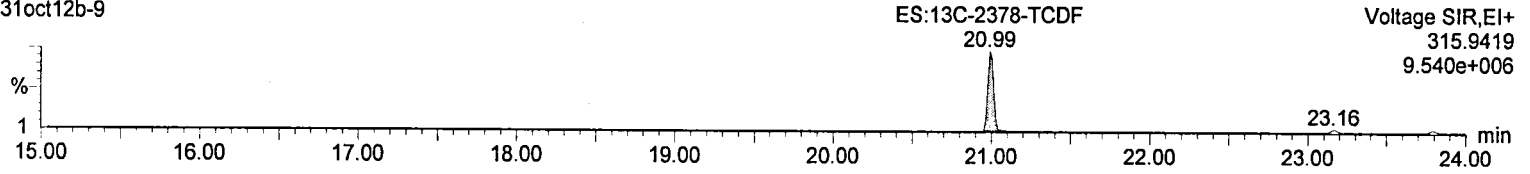
TCDF

c31oct12b-9



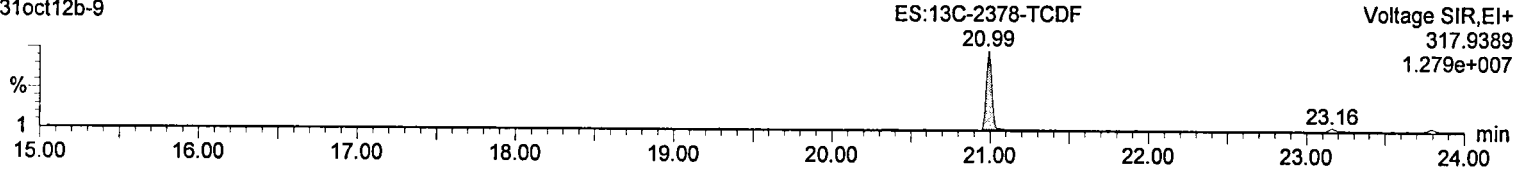
13C-TCDF

c31oct12b-9



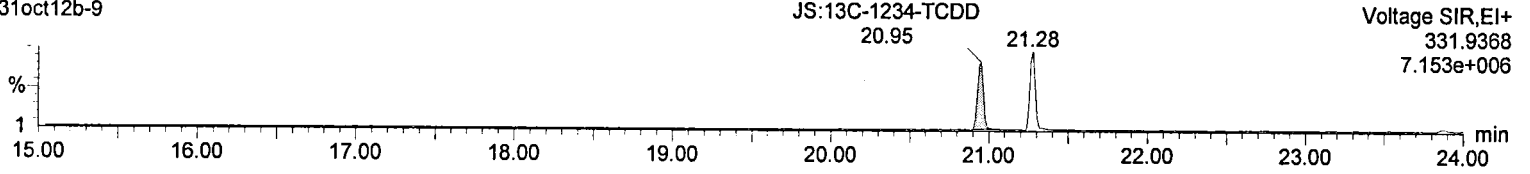
13C-TCDF

c31oct12b-9



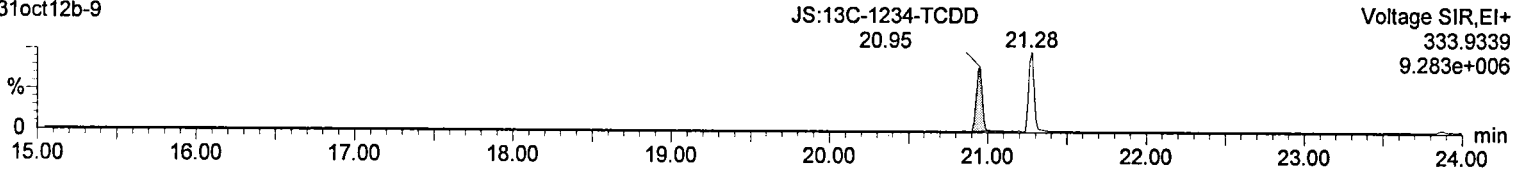
13C-TCDD

c31oct12b-9



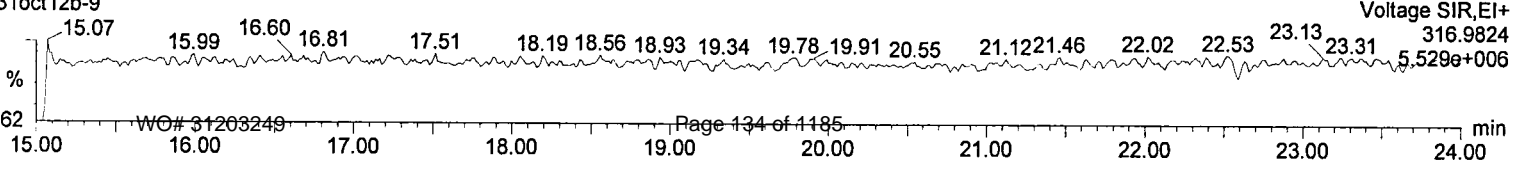
13C-TCDD

c31oct12b-9



F1 Lock Mass

c31oct12b-9



Results of JW-EA08-SS32-120507

Client Sample ID: **JW-EA08-SS32-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249007
 Lab Project ID: 31203249

Collection Date: 05/07/2012 12:25
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 51.10

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
2,3,7,8-TCDD		0.419	J	0.0850	0.489	pg/g	27.52	0.57*
1,2,3,7,8-PeCDD	1.28		J	0.116	2.44	pg/g	33.82	1.73
1,2,3,4,7,8-HxCDD		1.87	J	0.256	2.44	pg/g	38.47	1.04*
1,2,3,6,7,8-HxCDD	12.5			0.268	2.44	pg/g	38.60	1.23
1,2,3,7,8,9-HxCDD	5.61			0.263	2.44	pg/g	38.95	1.29
1,2,3,4,6,7,8-HpCDD	135			0.787	2.44	pg/g	42.64	1.05
OCDD	977			0.327	4.89	pg/g	46.39	0.90
2,3,7,8-TCDF	3.31			0.0793	0.489	pg/g	26.53	0.81
2,3,7,8-TCDF [confirm]	2.97			0.0922	1.96	pg/g	21.00	0.82
1,2,3,7,8-PeCDF	1.08		J	0.118	2.44	pg/g	32.09	1.43
2,3,4,7,8-PeCDF	1.95		J	0.105	2.44	pg/g	33.42	1.44
1,2,3,4,7,8-HxCDF	1.86		J	0.141	2.44	pg/g	37.30	1.13
1,2,3,6,7,8-HxCDF	1.49		J	0.129	2.44	pg/g	37.46	1.18
2,3,4,6,7,8-HxCDF	2.00		J	0.131	2.44	pg/g	38.25	1.13
1,2,3,7,8,9-HxCDF	0.411		J	0.203	2.44	pg/g	39.39	1.23
1,2,3,4,6,7,8-HpCDF	25.7			0.209	2.44	pg/g	41.36	1.02
1,2,3,4,7,8,9-HpCDF	1.38		J	0.268	2.44	pg/g	43.24	1.14
OCDF	52.4			0.137	4.89	pg/g	46.64	0.87
Total TCDD	49.9	51.7		0.0850	0.489	pg/g		
Total TCDF	37.3	38.5		0.0793	0.489	pg/g		
Total PeCDD	39.3	40.2		0.116	2.44	pg/g		
Total PeCDF	22.7	24.5		0.111	2.44	pg/g		
Total HxCDD	121	123		0.262	2.44	pg/g		
Total HxCDF	42.0	42.4		0.148	2.44	pg/g		
Total HpCDD	298			0.787	2.44	pg/g		
Total HpCDF	80.6			0.235	2.44	pg/g		

World Health Organization Summary

	<u>Units</u>	<u>ND=0</u>	<u>ND=½</u>	<u>ND=DL</u>
WHO-2005 TEQ	pg/g	6.51	6.57	6.62
WHO-2005 TEQ w/EMPC	pg/g	7.12	7.12	7.12

Results of JW-EA08-SS32-120507

Client Sample ID: **JW-EA08-SS32-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249007
 Lab Project ID: 31203249

Collection Date: 05/07/2012 12:25
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 51.10

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
13C-2378-TCDD	149				25.0-164	%		
13C-12378-PeCDD	140				25.0-181	%		
13C-123478-HxCDD	89.0				32.0-141	%		
13C-123678-HxCDD	88.0				28.0-130	%		
13C-1234678-HpCDD	108				23.0-140	%		
13C-OCDD	97.0				17.0-157	%		
13C-2378-TCDF	124				24.0-169	%		
13C-12378-PeCDF	124				24.0-185	%		
13C-23478-PeCDF	123				21.0-178	%		
13C-123478-HxCDF	82.0				26.0-152	%		
13C-123678-HxCDF	88.0				26.0-123	%		
13C-234678-HxCDF	88.0				29.0-147	%		
13C-123789-HxCDF	81.0				28.0-136	%		
13C-1234678-HpCDF	87.0				28.0-143	%		
13C-1234789-HpCDF	89.0				26.0-138	%		
37Cl-2378-TCDD	164				35.0-197	%		

Batch Information

Analytical Batch: **HRD1904**
 Analytical Method: **EPA 1613B**
 Instrument: **APHRMS**
 Analyst: **MDC**
 Analytical Date/Time: **10/27/2012 17:50**

Prep Batch: **HXX1857**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/22/2012 00:00**
 Prep Initial Wt./Vol.: **20.02 g**
 Prep Extract Vol: **20 uL**

Analytical Batch: **HRD1912**
 Analytical Method: **EPA 1613B**
 Instrument: **HRMS3**
 Analyst: **JHL**
 Analytical Date/Time: **10/31/2012 19:33**

Prep Batch: **HXX1857**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/22/2012 00:00**
 Prep Initial Wt./Vol.: **20.02 g**
 Prep Extract Vol: **20 uL**

Lab ID: A4722_10270_DF_003-R

Client ID: JW-EA08-SS32-120507

Datefile: 121026P4-07

Acq'd: 27 Oct 2012 17:50 MDC

UTP: 28-Oct-2012 08:36 MDC

Report: 28 Oct 2012 08:47 MC

Wt/Vol: 10.23 g

J-level: 0.489 pg/g Split: 1

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

ICAL: 1613_SGS

Checkcode: 745-552-FZF



Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.52		1.0009	1.0006	-0.5	3.93E+04	0.57	N	1.08	0.419	657	0.085
2378-PeCDD	33.82		1.0006	1.0004	-0.4	9.32E+04	1.73	Y	1.07	1.28	737	0.116
23478-HxCDD	38.47		1.0004	1.0003	-0.2	1.07E+05	1.04	N	1.05	1.87	1346	0.256
123678-HxCDD	38.60		1.0039	1.0038	-0.2	7.41E+05	1.23	Y	0.98	12.5	1346	0.268
123789-HxCDD	38.95		1.0129	1.0129	0	3.25E+05	1.29	Y	1.01	5.61	1346	0.263
1234678-HpCDD	42.64		1.0005	1.0004	-0.3	8.24E+06	1.05	Y	1.09	1.35	4262	0.787
OCDD	46.39		1.0005	1.0003	-0.6	4.29E+07	0.90	Y	1.11	977	1075	0.327
2378-TCDF	26.53		1.0009	1.0009	0	3.89E+05	0.81	Y	0.98	3.31	773	0.0793
12378-PeCDF	32.09		1.0007	1.0006	-0.2	1.11E+05	1.43	Y	0.99	1.08	1035	0.118
23478-PeCDF	33.42		1.0006	1.0009	+0.6	2.02E+05	1.44	Y	1.02	1.95	1035	0.105
123478-HxCDF	37.30		1.0006	1.0003	-0.7	1.50E+05	1.13	Y	1.19	1.86	1122	0.141
123678-HxCDF	37.46		1.0005	1.0002	-0.7	1.39E+05	1.18	Y	1.16	1.49	1122	0.129
234678-HxCDF	38.25		1.0006	1.0004	-0.5	1.80E+05	1.13	Y	1.18	2	1122	0.131
123789-HxCDF	39.39		1.0005	1.0007	+0.5	2.82E+04	1.23	Y	1.09	0.411	1122	0.203
1234678-HpCDF	41.36		1.0004	1.0003	-0.2	2.08E+06	1.02	Y	1.35	25.7	1472	0.209
1234789-HpCDF	43.24		1.0004	1.0002	-0.5	8.76E+04	1.14	Y	1.34	1.38	1472	0.268
OCDF	46.64		1.0057	1.0056	-0.3	2.90E+06	0.87	Y	1.40	52.4	570	0.137
2378-TCDD	27.50		1.0281	1.0280	-0.2	1.70E+07	0.78	Y	1.04	149		
ES 12378-PeCDD	33.81		1.2639	1.2636	-0.5	1.32E+07	1.57	Y	0.87	140		
ES 123478-HxCDD	38.46		0.9876	0.9876	0	1.06E+07	1.27	Y	0.94	89.1		
ES 123678-HxCDD	38.59		0.9910	0.9910	0	1.18E+07	1.25	Y	1.06	87.7		
ES 1234678-HpCDD	42.63		1.0943	1.0946	+0.7	1.09E+07	1.08	Y	0.80	108		
ES OCDD	46.38		1.1907	1.1909	+0.5	1.55E+07	0.91	Y	0.63	97		
ES 2378-TCDF	26.50		0.9907	0.9907	0	2.35E+07	0.80	Y	1.74	124		
ES 12378-PeCDF	32.07		1.1992	1.1988	-0.6	2.03E+07	1.59	Y	1.49	124		
ES 23478-PeCDF	33.39		1.2484	1.2481	-0.5	1.99E+07	1.57	Y	1.48	123		
ES 123478-HxCDF	37.29		0.9577	0.9575	-0.5	1.33E+07	0.54	Y	1.27	82.1		
ES 123678-HxCDF	37.45		0.9619	0.9617	-0.5	1.58E+07	0.52	Y	1.41	88.2		
ES 234678-HpCDF	38.24		0.9821	0.9820	-0.2	1.49E+07	0.53	Y	1.34	87.6		
ES 123789-HxCDF	39.36		1.0108	1.0108	0	1.23E+07	0.52	Y	1.20	80.8		
ES 1234678-HpCDF	41.35		1.0618	1.0618	0	1.17E+07	0.46	Y	1.06	86.9		
ES 1234789-HpCDF	43.23		1.1100	1.1101	+0.2	9.27E+06	0.46	Y	0.82	89.1		

Lab ID: A4722_10270_DF_003-R Acq'd: 27 Oct 2012 17:50 MDC Wt/Vol: 10.23 g ICAL: 1613_SGS
 Client ID: JW-EA08-SS32-120507 UTP: 28-Oct-2012 08:36 MDC J-level: 0.489 pg/g Split: 1 Checkcode: 745-552-FZF
 Datafile: 121026P4-07 Report: 28 Oct 2012 08:47 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37Cl)

WV#	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
120329	JS 1234-TCDD	26.75		-	-	-	1.09E+07	0.80	Y	-	-
120329	JS 123789-HxCDD	38.94		-	-	-	1.27E+07	1.27	Y	-	-
	CS 37Cl-2378-TCDD	27.53		1.0291	1.0289	-0.3	4.20E+06	n/a	-	1.17	164

Totals	Conc	EMPC	EDL
Total TCDD	49.9	51.7	0.085
Total PeCDD	39.3	40.2	0.116
Total HxCDD	121	123	0.262
Total HpCDD	298	298	0.787
Total Tetra-Octa Dioxins	1490	1490	

Total TCDF	37.3	38.5	0.0793
Total PeCDF	22.7	24.5	0.111
Total HxCDF	42	42.4	0.148
Total HpCDF	80.6	80.6	0.235
Total Tetra-Octa Furans	235	238	
Total Tetra-Octa Dioxins & Furans	1720	1730	

Analytical Perspectives RT/QC Sheet 2 of 5

Lab ID: A4722_10270_DF_003-R Acq'd: 27 Oct 2012 17:50 MDC Wt/Vol: 10.23 g ICAL: 1613_SGS
 Client ID: JW-EA08-SS32-120507 UTP: 28-Oct-2012 08:36 MDC J-level: 0.489 pg/g Split: 1 Checkcode: 745-552-FZF
 Datafile: 121026P4-07 Report: 28 Oct 2012 08:47 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

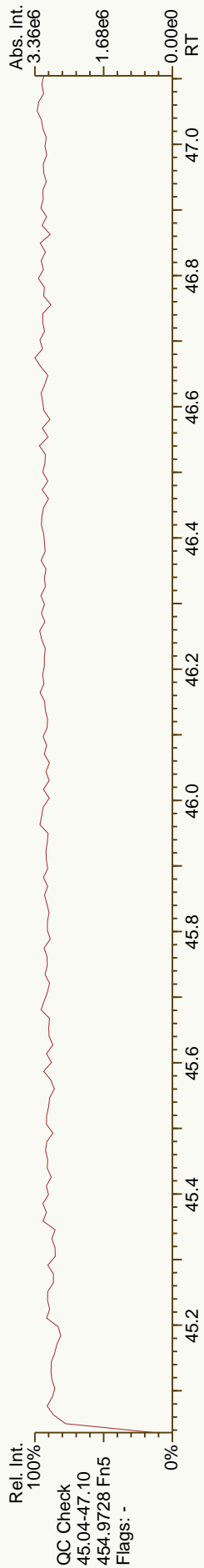
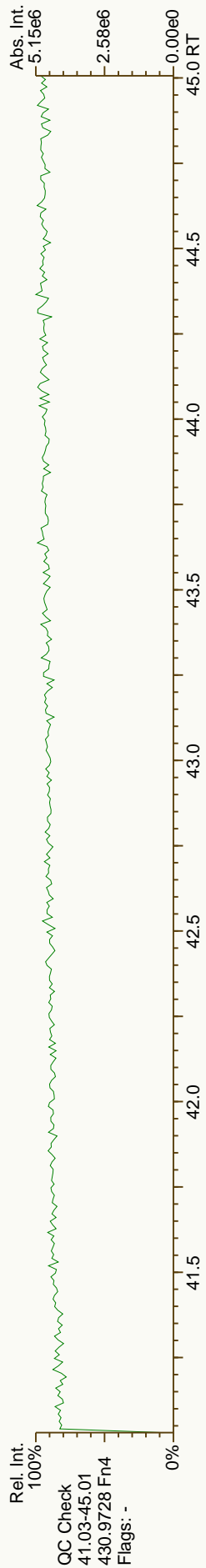
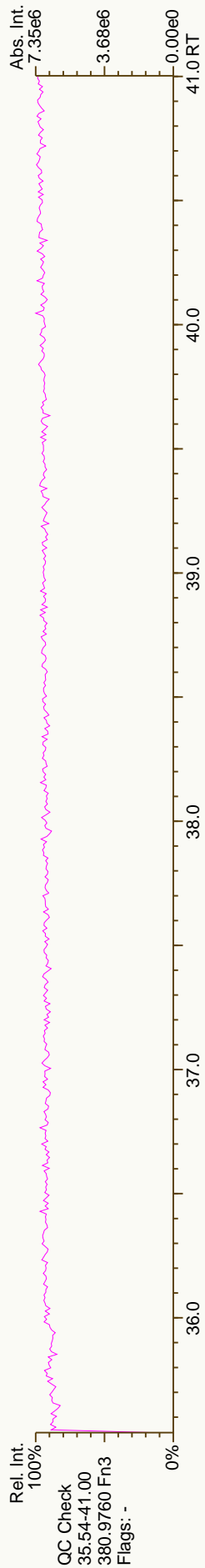
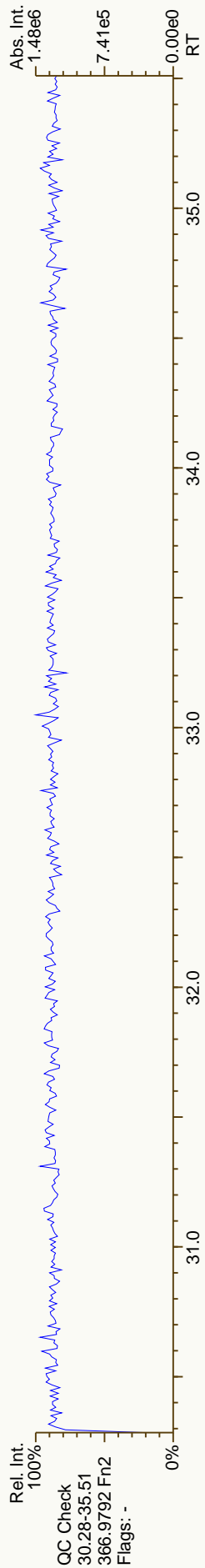
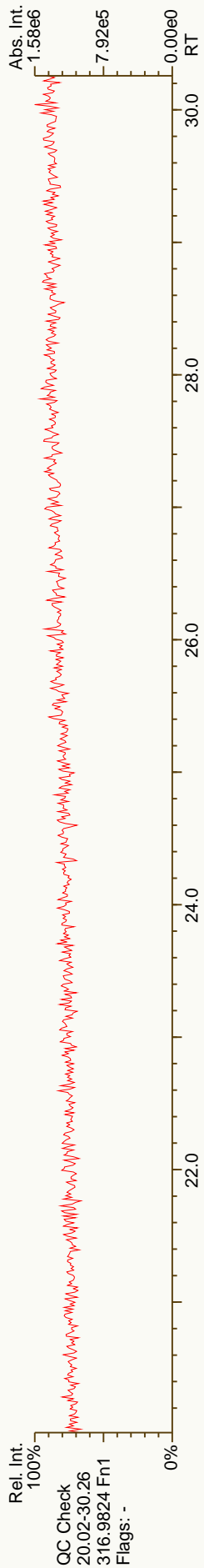
Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	TCDD	23.40		0.8504	0.8509	+0.8	1.84E+06	0.82	Y	1.08	19.6	657	0.085
2	TCDD	23.80		0.8649	0.8656	+1.2	1.28E+06	0.78	Y	1.08	13.6	657	0.085
3	TCDD	24.27		0.8835	0.8825	-1.7	4.32E+04	0.97	N	1.08	0.46	657	0.085
4	TCDD	25.16		0.9152	0.9147	-0.8	3.78E+05	0.78	Y	1.08	4.02	657	0.085
	TCDD	25.42		0.9241	0.9244	+0.5	1.74E+05	0.76	Y	1.08	1.86	657	0.085
	TCDD	25.65		0.9327	0.9328	+0.2	2.18E+05	0.67	Y	1.08	2.32	657	0.085
	TCDD	25.86		0.9408	0.9402	-1.0	5.16E+04	0.84	Y	1.08	0.549	657	0.085
	TCDD	26.12		0.9512	0.9498	-2.3	1.76E+04	0.73	Y	1.08	0.187	657	0.085
	TCDD	26.35		0.9580	0.9580	0	4.80E+04	0.89	N	1.08	0.511	657	0.085
	TCDD	26.78		0.9736	0.9737	+0.2	3.85E+05	0.78	Y	1.08	4.1	657	0.085
	TCDD	Not Fnd		0.9785						1.08		657	0.085
	TCDD	27.20		0.9884	0.9892	+1.3	3.08E+05	0.68	Y	1.08	3.28	657	0.085
	TCDD	27.35		0.9945	0.9944	-0.2	3.22E+04	0.92	N	1.08	0.343	657	0.085
	2378-TCDD	27.52		1.0009	1.0006	-0.5	3.93E+04	0.57	N	1.08	0.419	657	0.085
	TCDD	27.93		1.0147	1.0156	+1.5	4.18E+04	0.81	Y	1.08	0.445	657	0.085
	TCDD	Not Fnd		1.0206						1.08		657	0.085
	TCDD	Not Fnd		1.0423						1.08		657	0.085
1	PeCDD	30.86		0.9131	0.9130	-0.2	7.60E+05	1.48	Y	1.07	10.4	737	0.116
2	PeCDD	31.49		0.9319	0.9315	-0.8	6.21E+04	1.49	Y	1.07	0.854	737	0.116
3	PeCDD	32.14		0.9511	0.9509	-0.4	7.75E+05	1.65	Y	1.07	10.7	737	0.116
	PeCDD	32.36		0.9576	0.9573	-0.6	1.00E+05	1.39	Y	1.07	1.38	737	0.116
	PeCDD	32.49		0.9611	0.9610	-0.2	6.49E+05	1.49	Y	1.07	8.92	737	0.116
	PeCDD	32.80		0.9703	0.9701	-0.4	1.15E+05	1.46	Y	1.07	1.59	737	0.116
	PeCDD	33.23		0.9829	0.9829	0	3.03E+05	1.56	Y	1.07	4.17	737	0.116
	12378-PeCDD	33.82		1.0006	1.0004	-0.4	9.32E+04	1.73	Y	1.07	1.28	737	0.116
	PeCDD	33.93		1.0039	1.0035	-0.8	4.21E+04	1.87	N	1.07	0.579	737	0.116
	PeCDD	34.34		1.0161	1.0159	-0.4	2.69E+04	1.86	N	1.07	0.37	737	0.116
	HxCDD	36.44		0.9479	0.9476	-0.7	1.28E+06	1.23	Y	1.01	21.9	1346	0.262
	HxCDD	37.22		0.9682	0.9679	-0.7	1.64E+06	1.26	Y	1.01	28.2	1346	0.262
	HxCDD	37.58		0.9771	0.9771	0	2.63E+06	1.26	Y	1.01	45.3	1346	0.262
	HxCDD	37.72		0.9811	0.9808	-0.7	3.54E+05	1.36	Y	1.01	6.09	1346	0.262
	123478-HxCDD	38.47		1.0004	1.0003	-0.2	1.07E+05	1.04	N	1.05	1.87	1346	0.256
	123678-HxCDD	38.60		1.0039	1.0038	-0.2	7.41E+05	1.23	Y	0.98	12.5	1346	0.268
	HxCDD	38.82		1.0097	1.0095	-0.5	8.61E+04	1.33	Y	1.01	1.48	1346	0.262
	123789-HxCDD	38.95		1.0129	1.0129	0	3.25E+05	1.29	Y	1.01	5.61	1346	0.263

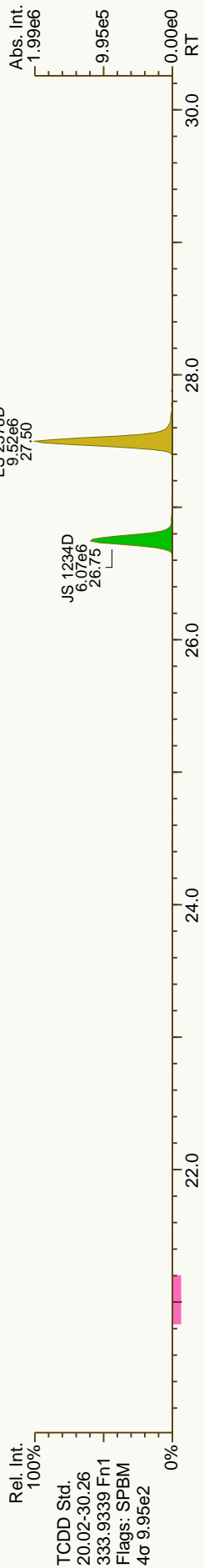
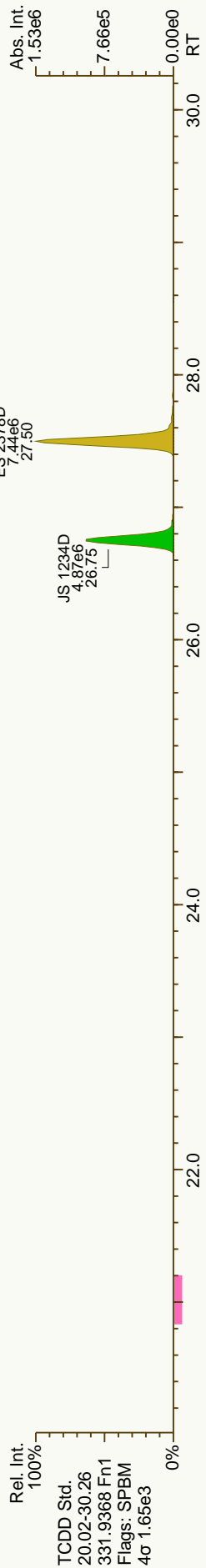
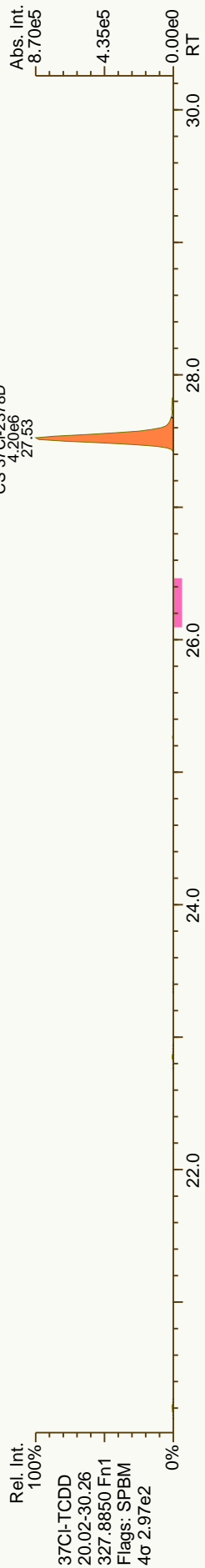
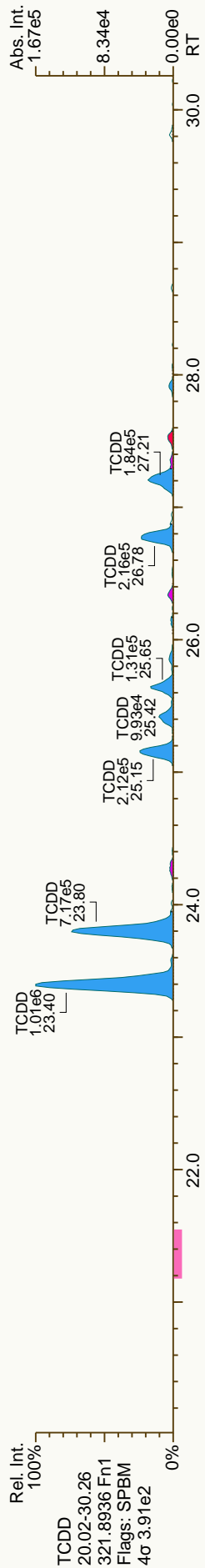
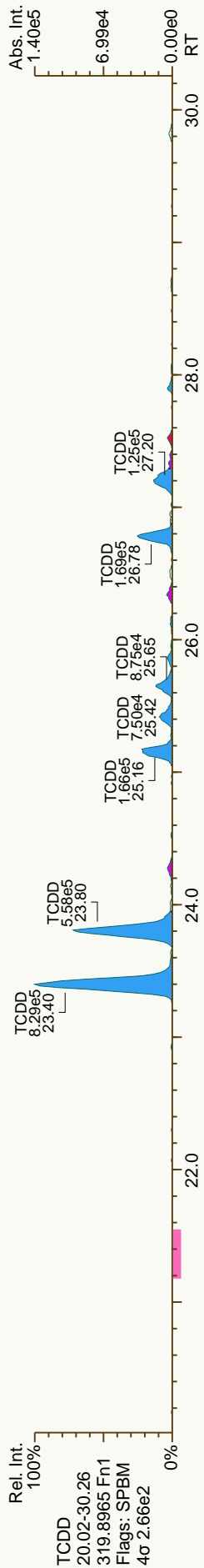
Lab ID: A4722_10270_DF_003-R Acq'd: 27 Oct 2012 17:50 MDC Wt/Vol: 10.23 g ICAL: 1613_SGS
 Client ID: JW-EA08-SS32-120507 UTP: 28-Oct-2012 08:36 MDC J-level: 0.489 pg/g Split: 1 Checkcode: 745-552-FZF
 Datafile: 121026P4-07 Report: 28 Oct 2012 08:47 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

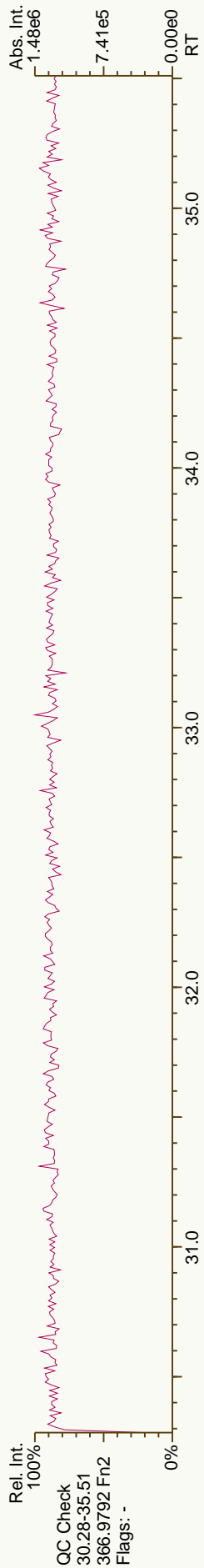
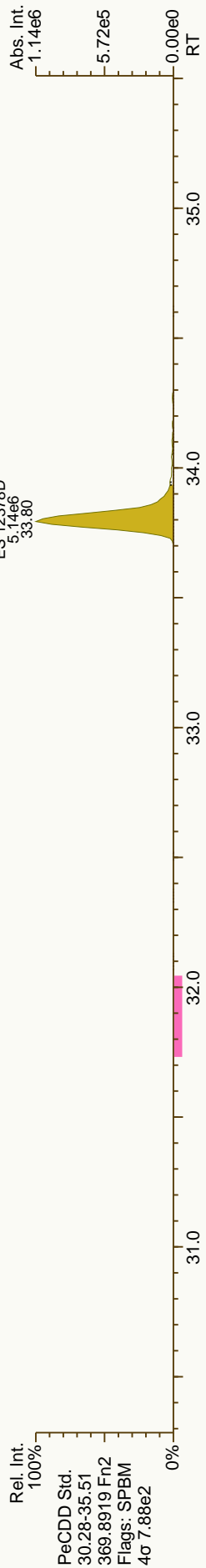
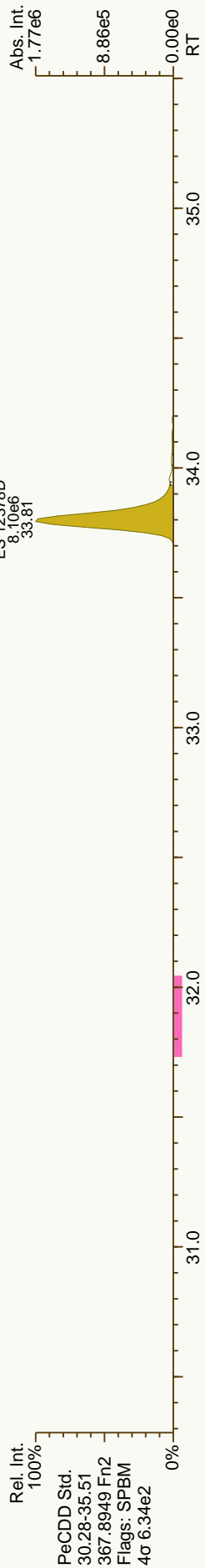
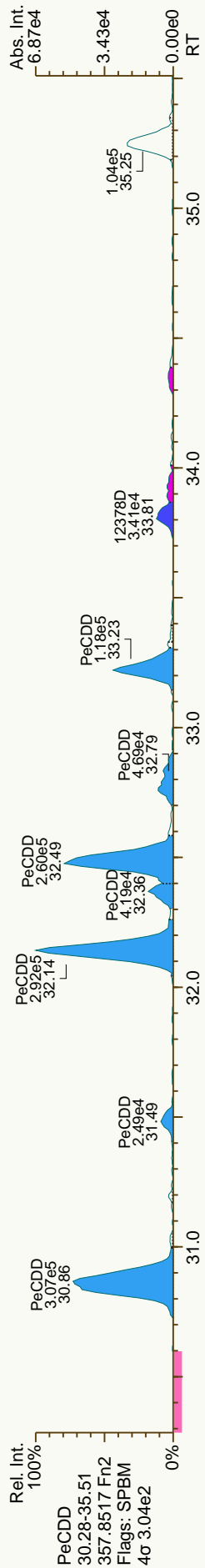
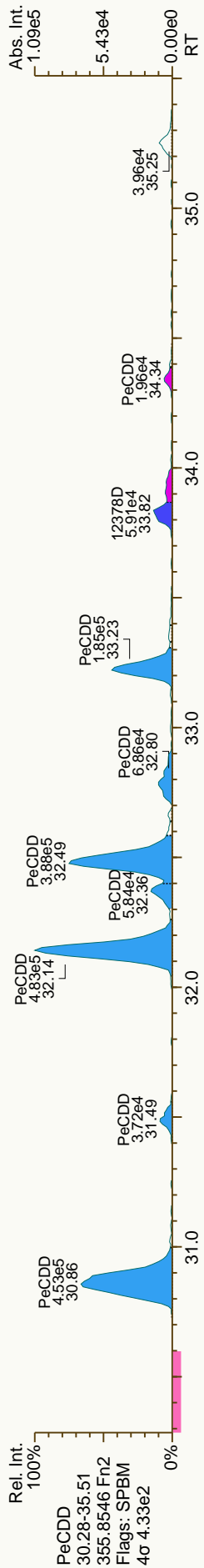
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
HP-CDD	41.74		0.9793	0.9792	-0.3	9.94E+06	1.04	Y	1.09	163	4262	0.787
234678-HP-CDD	42.64		1.0005	1.0004	-0.3	8.24E+06	1.05	Y	1.09	135	4262	0.787
OCDD	46.39		1.0005	1.0003	-0.6	4.29E+07	0.90	Y	1.11	977	1075	0.327
OCDD-a	46.39		1.0001	1.0002	+0.3	2.52E+06	2.60	Y	1.00	63.6	813	0.274
TCDF	21.19		0.7983	0.7995	+1.9	1.96E+05	0.75	Y	0.98	1.66	773	0.0793
TCDF	21.76		0.8218	0.8208	-1.6	1.29E+05	0.72	Y	0.98	1.09	773	0.0793
TCDF	22.41		0.8463	0.8453	-1.6	3.18E+05	0.83	Y	0.98	2.7	773	0.0793
TCDF	22.84		0.8625	0.8617	-1.3	1.27E+05	0.85	Y	0.98	1.08	773	0.0793
TCDF	22.98		0.8677	0.8671	-1.0	4.98E+05	0.82	Y	0.98	4.24	773	0.0793
TCDF	23.27		0.8787	0.8781	-1.0	1.15E+05	0.77	Y	0.98	0.978	773	0.0793
TCDF	23.41		0.8840	0.8832	-1.3	3.05E+05	0.74	Y	0.98	2.6	773	0.0793
TCDF	23.83		0.8998	0.8992	-1.0	2.24E+05	0.85	Y	0.98	1.9	773	0.0793
TCDF	23.99		0.9054	0.9050	-0.6	8.49E+04	0.89	N	0.98	0.722	773	0.0793
TCDF	24.17		0.9125	0.9118	-1.1	1.81E+05	0.68	Y	0.98	1.54	773	0.0793
TCDF	24.58		0.9279	0.9275	-0.6	1.09E+05	0.86	Y	0.98	0.925	773	0.0793
TCDF	24.73		0.9334	0.9329	-0.8	1.63E+05	0.72	Y	0.98	1.39	773	0.0793
TCDF	24.89		0.9381	0.9392	+1.7	3.00E+05	0.84	Y	0.98	2.55	773	0.0793
TCDF	25.04		0.9439	0.9447	+1.3	1.65E+05	0.83	Y	0.98	1.4	773	0.0793
TCDF	25.53		0.9630	0.9631	+0.2	3.25E+05	0.76	Y	0.98	2.77	773	0.0793
TCDF	NotFnd		0.9674						0.98		773	0.0793
TCDF	25.83		0.9746	0.9745	-0.2	1.13E+05	0.82	Y	0.98	0.962	773	0.0793
TCDF	26.03		0.9829	0.9822	-1.1	9.49E+04	0.77	Y	0.98	0.808	773	0.0793
TCDF	26.28		0.9916	0.9915	-0.2	1.33E+05	0.85	Y	0.98	1.13	773	0.0793
TCDF	26.40		0.9963	0.9960	-0.5	1.05E+05	0.84	Y	0.98	0.893	773	0.0793
2378-TCDF	26.53		1.0009	1.0009	0	3.89E+05	0.81	Y	0.98	3.31	773	0.0793
TCDF	26.95		1.0166	1.0167	+0.2	3.51E+05	0.76	Y	0.98	2.99	773	0.0793
TCDF	27.22		1.0274	1.0268	-1.0	2.03E+04	0.67	Y	0.98	0.173	773	0.0793
TCDF	27.54		1.0390	1.0392	+0.3	1.91E+04	0.85	Y	0.98	0.163	773	0.0793
TCDF	28.83		1.0886	1.0879	-1.1	5.87E+04	0.96	N	0.98	0.5	773	0.0793
PeCDF	28.82		0.8975	0.8986	+2.1	9.23E+05	1.44	Y	1.00	8.95	828	0.0891
PeCDF	30.60		0.9542	0.9542	0	1.79E+05	1.40	Y	1.00	1.73	1035	0.111
PeCDF	30.78		0.9587	0.9597	+1.9	4.86E+05	1.47	Y	1.00	4.71	1035	0.111
PeCDF	30.90		0.9636	0.9635	-0.2	5.83E+04	1.31	N	1.00	0.565	1035	0.111
PeCDF	31.00		0.9671	0.9664	-1.3	2.02E+04	2.17	N	1.00	0.196	1035	0.111
PeCDF	31.29		0.9760	0.9755	-1.0	3.12E+04	1.90	N	1.00	0.302	1035	0.111
PeCDF	31.46		0.9810	0.9807	-0.6	1.88E+04	1.55	Y	1.00	0.182	1035	0.111

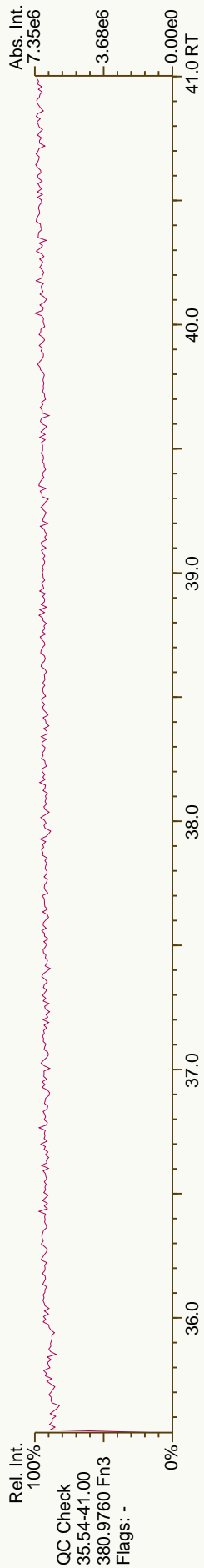
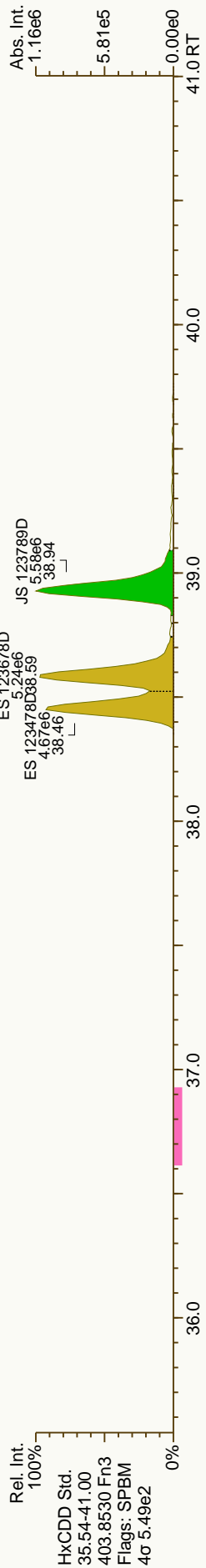
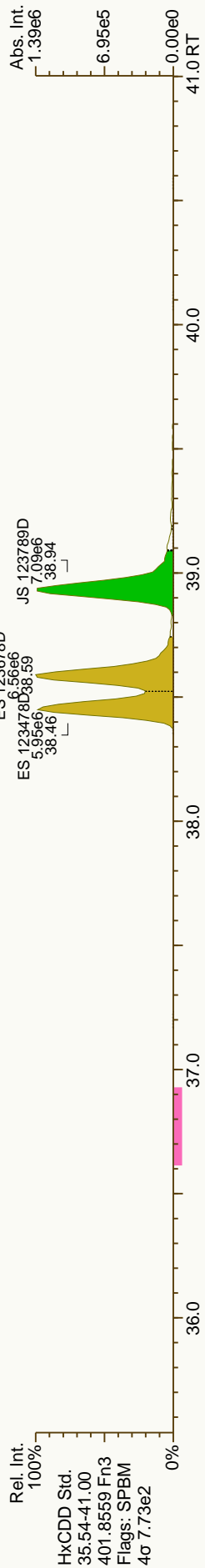
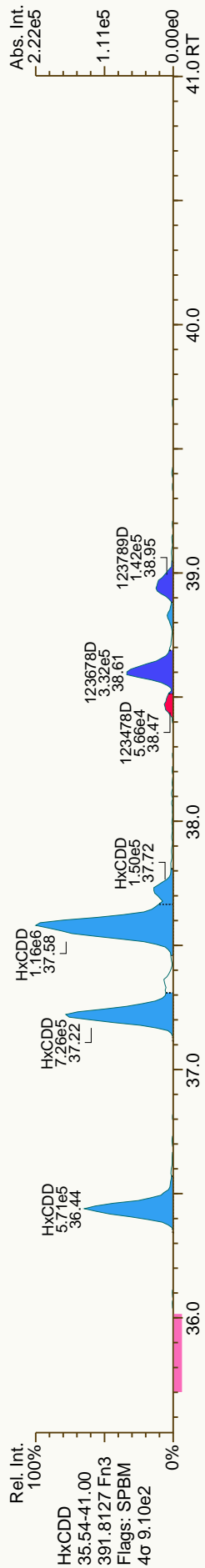
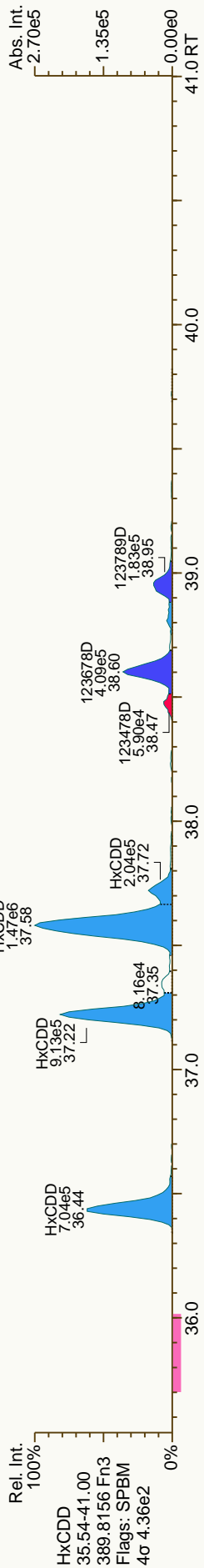
Lab ID: A4722_10270_DF_003-R Acq'd: 27 Oct 2012 17:50 MDC Wt/Vol: 10.23 g ICAL: 1613_SGS
 Client ID: JW-EA08-SS32-120507 UTP: 28-Oct-2012 08:36 MDC J-level: 0.489 pg/g Split: 1 Checkcode: 745-552-FZF
 Datafile: 121026P4-07 Report: 28 Oct 2012 08:47 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

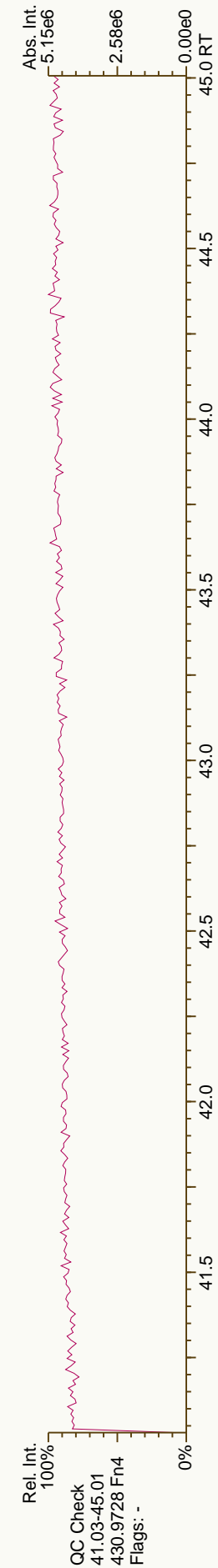
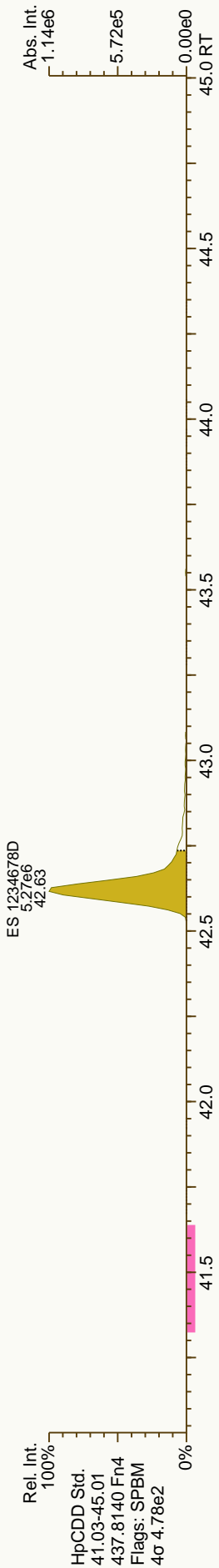
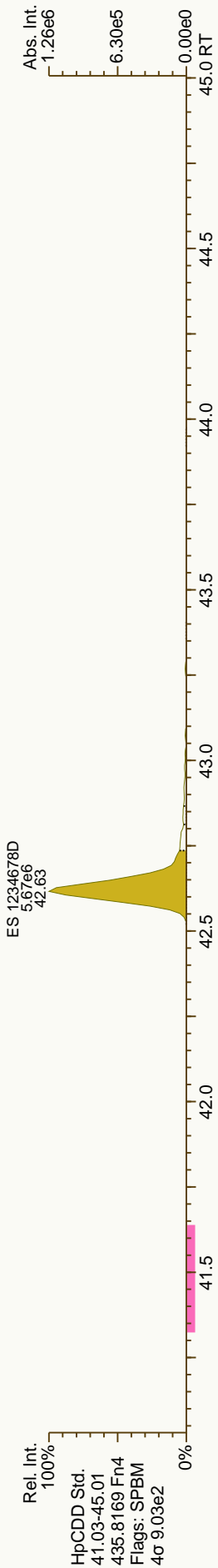
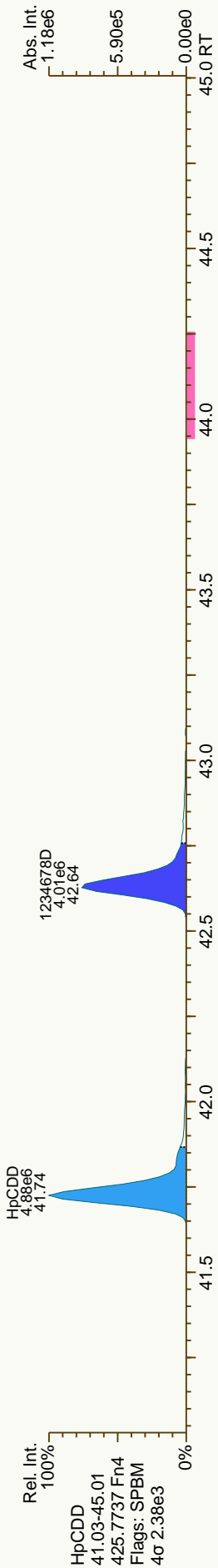
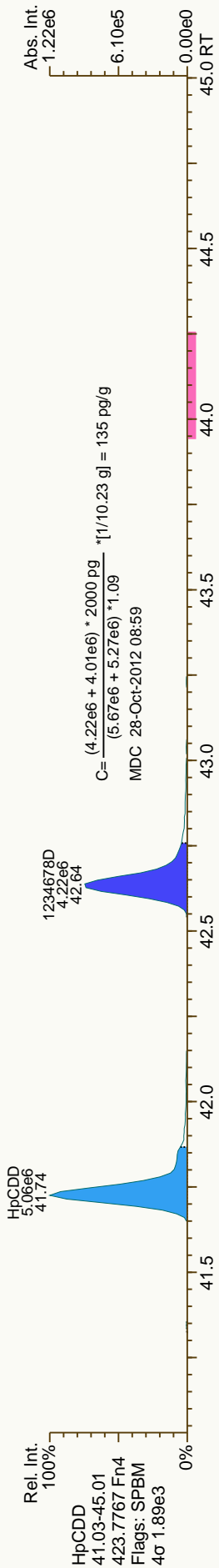
Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	PeCDF	31.57		0.9847	0.9843	-0.8	1.90E+05	1.50	Y	1.00	1.84	1035	0.111
2	PeCDF	31.66		0.9870	0.9872	+0.4	3.52E+04	1.79	N	1.00	0.341	1035	0.111
3	PeCDF	31.83		0.9930	0.9926	-0.8	3.72E+04	1.85	N	1.00	0.36	1035	0.111
4	12378-PeCDF	32.09		1.0007	1.0006	-0.2	1.11E+05	1.43	Y	0.99	1.08	1035	0.118
	PeCDF	32.42		1.0113	1.0109	-0.8	1.55E+05	1.36	Y	1.00	1.51	1035	0.111
	PeCDF	NotFnd		1.0169						1.00		1035	0.111
	PeCDF	NotFnd		0.9917						1.00		1035	0.111
	PeCDF	33.26		0.9962	0.9961	-0.2	8.11E+04	1.78	Y	1.00	0.786	1035	0.111
	23478-PeCDF	33.42		1.0006	1.0009	+0.6	2.02E+05	1.44	Y	1.02	1.95	1035	0.105
	PeCDF	NotFnd		0.0000						1.02	0		0
	PeCDF	NotFnd		1.0023						1.00	1035		0.111
	PeCDF	NotFnd		1.0120						1.00	1035		0.111
	PeCDF	NotFnd		1.0389						1.00	1035		0.111
	HxCDF	35.65		0.9565	0.9561	-0.9	3.99E+05	1.19	Y	1.15	4.81	1122	0.148
	HxCDF	35.89		0.9627	0.9625	-0.4	1.23E+06	1.30	Y	1.15	14.8	1122	0.148
	HxCDF	NotFnd		0.9700						1.15		1122	0.148
	HxCDF	36.39		0.9762	0.9760	-0.4	3.34E+04	0.91	N	1.15	0.403	1122	0.148
	HxCDF	36.67		0.9833	0.9833	0	1.34E+06	1.27	Y	1.15	16.1	1122	0.148
	HxCDF	37.16		0.9968	0.9965	-0.7	4.53E+04	1.42	Y	1.15	0.546	1122	0.148
	123478-HxCDF	37.30		1.0006	1.0003	-0.7	1.50E+05	1.13	Y	1.19	1.86	1122	0.141
	123678-HxCDF	37.46		1.0005	1.0002	-0.7	1.39E+05	1.18	Y	1.16	1.49	1122	0.129
	HxCDF	NotFnd		1.0055						1.15		1122	0.148
	HxCDF	NotFnd		1.0102						1.15		1122	0.148
	HxCDF	NotFnd		0.9933						1.15		1122	0.148
	234678-HxCDF	38.25		1.0006	1.0004	-0.5	1.80E+05	1.13	Y	1.18	2	1122	0.131
	HxCDF	NotFnd		0.0000						1.18	0		0
	HxCDF	NotFnd		1.0009						1.15		1122	0.148
	123789-HxCDF	39.39		1.0005	1.0007	+0.5	2.82E+04	1.23	Y	1.09	0.411	1122	0.203
	HxCDF	NotFnd		0.0000						1.09	0		0
	123489-HxCDF	NotFnd		1.0013						1.15		1122	0.148
	1234678-HpCDF	41.36		1.0004	1.0003	-0.2	2.08E+06	1.02	Y	1.35	25.7	1472	0.209
	HpCDF	41.72		1.0091	1.0089	-0.5	6.24E+04	1.15	Y	1.34	0.868	1472	0.235
	HpCDF	41.91		1.0140	1.0136	-1.0	3.79E+06	1.02	Y	1.34	52.6	1472	0.235
	1234789-HpCDF	43.24		1.0004	1.0002	-0.5	8.76E+04	1.14	Y	1.34	1.38	1472	0.268
	OCDF	46.64		1.0057	1.0056	-0.3	2.90E+06	0.87	Y	1.40	52.4	570	0.137
	OCDF-a	46.61		1.0053	1.0050	-0.8	5.95E+04	4.62	N	1.00	1.5	619	0.208

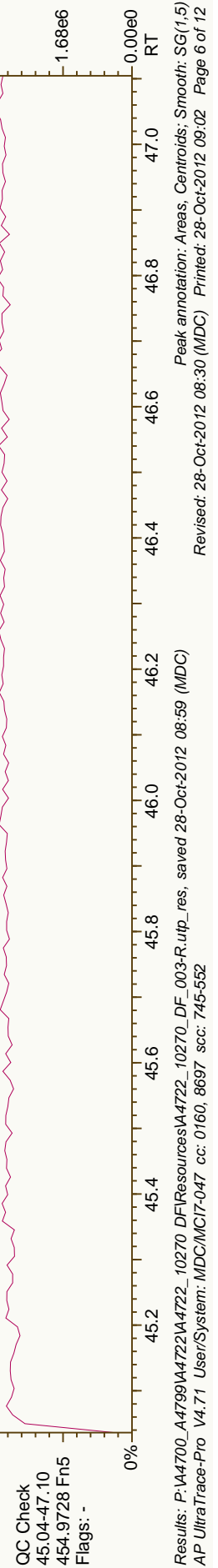
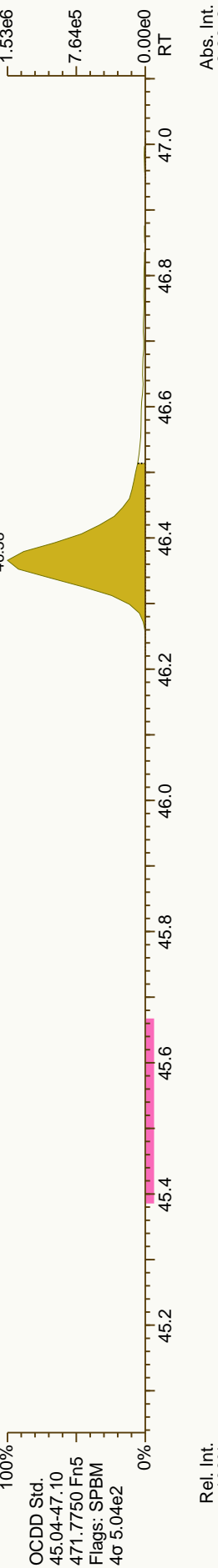
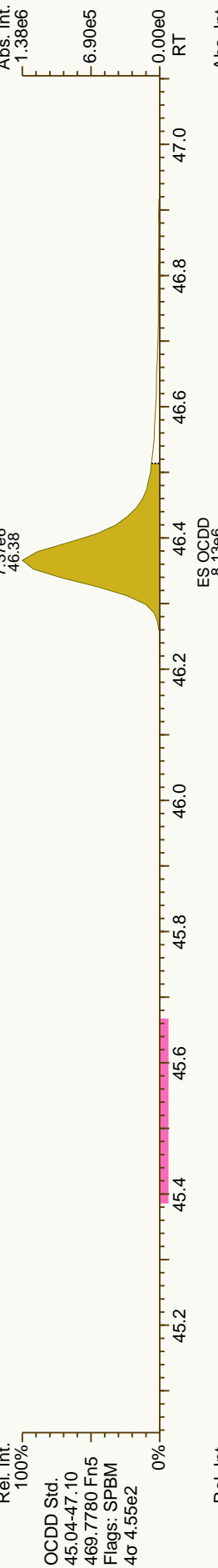
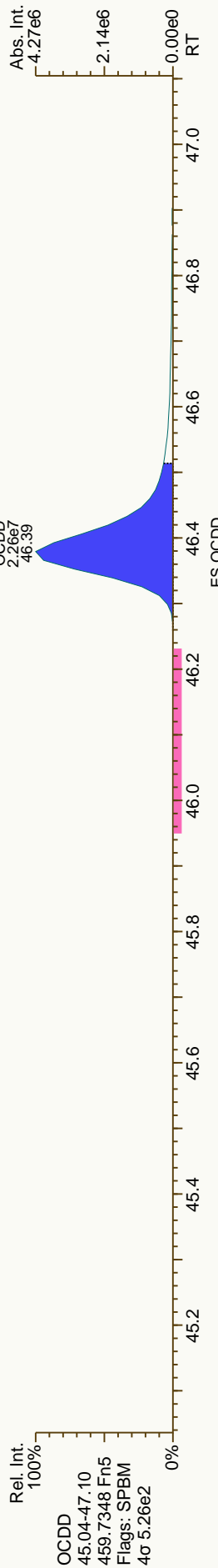
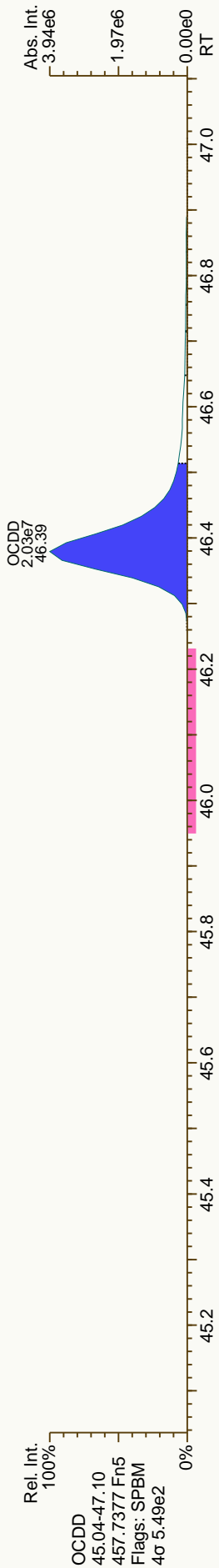


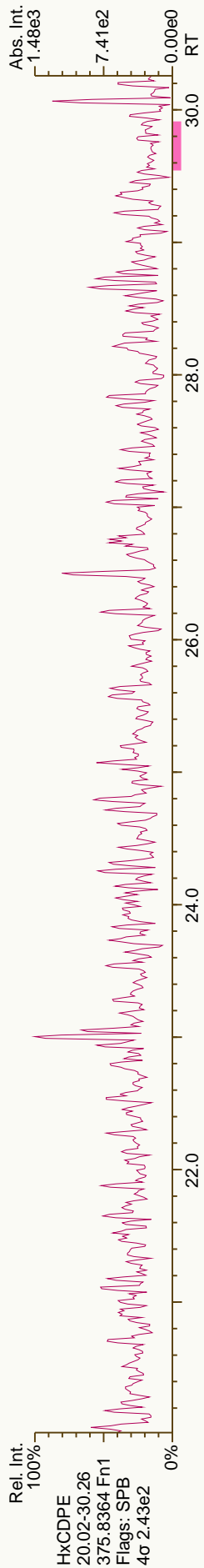
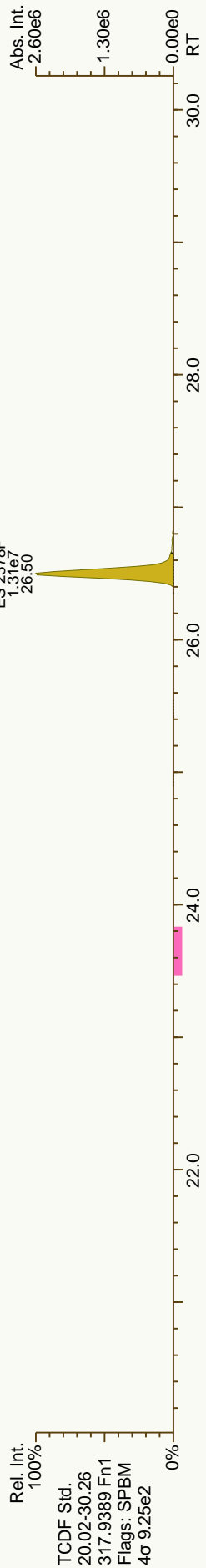
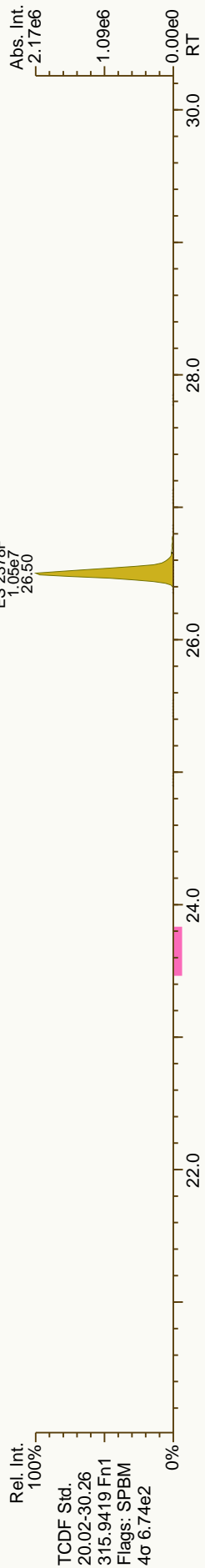
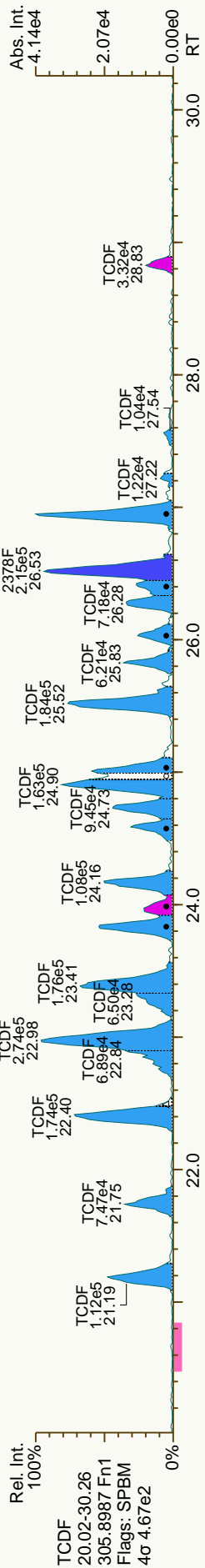
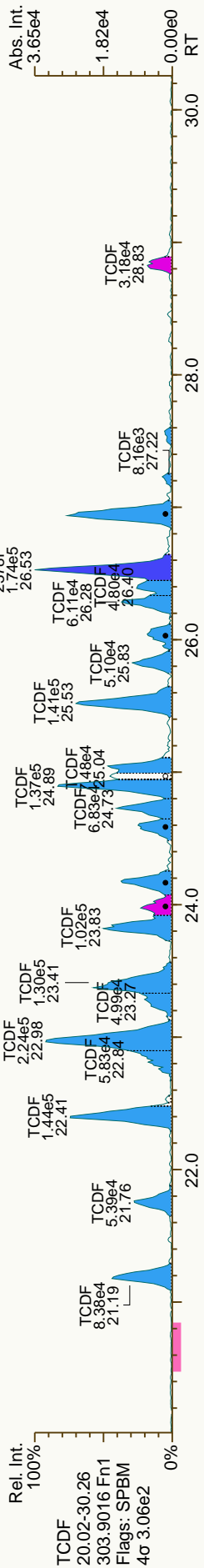


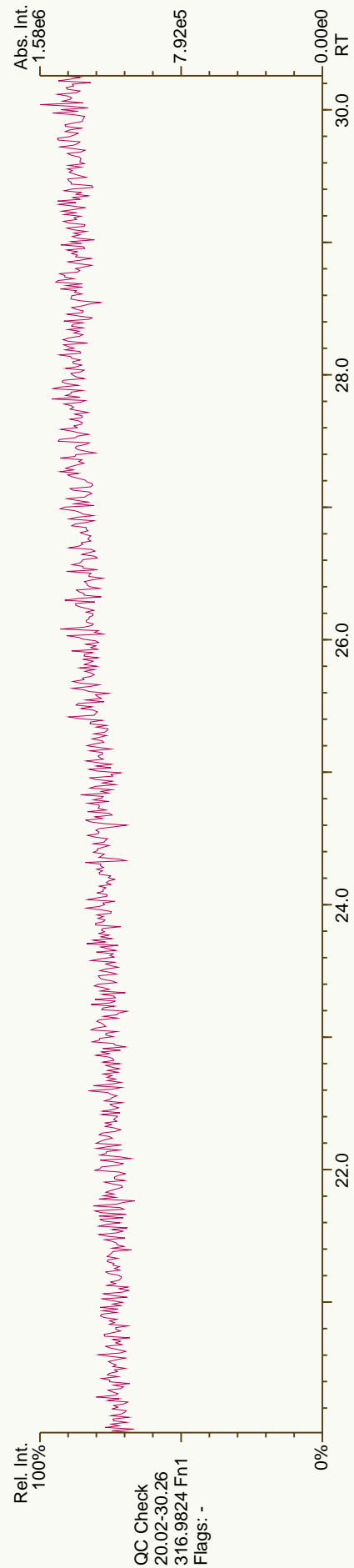
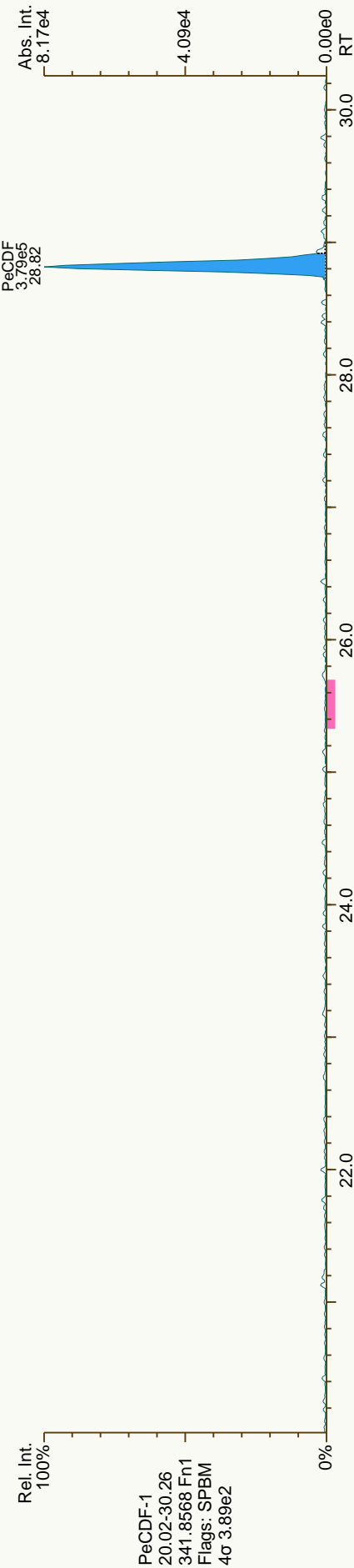
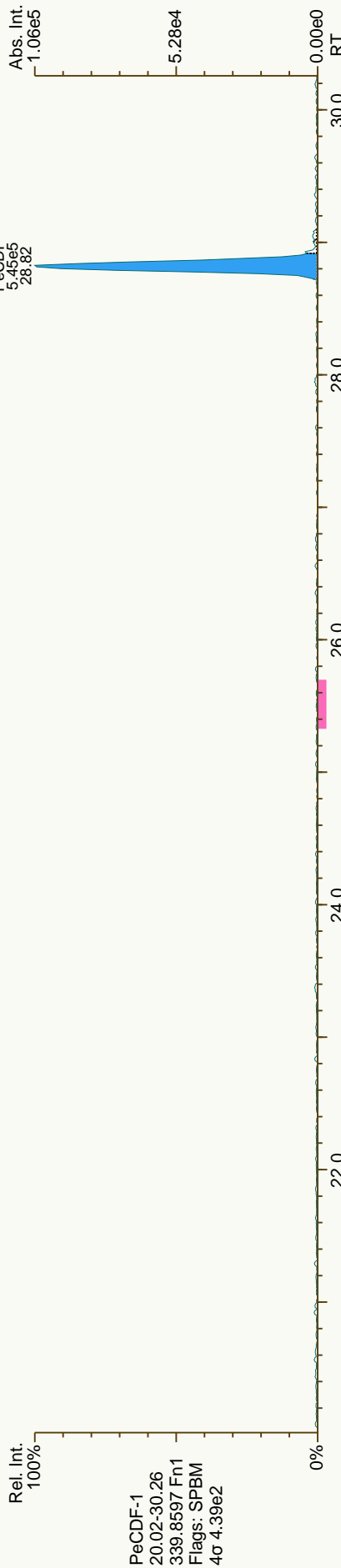


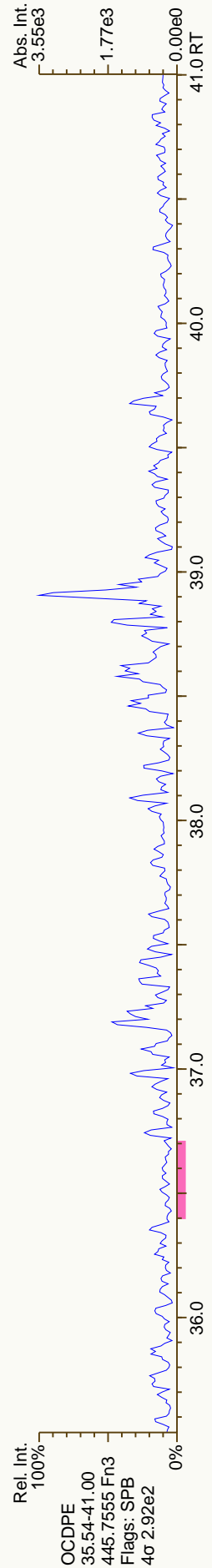
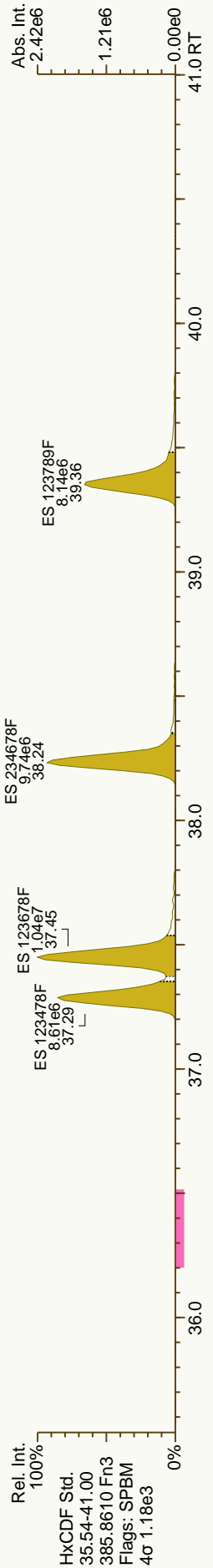
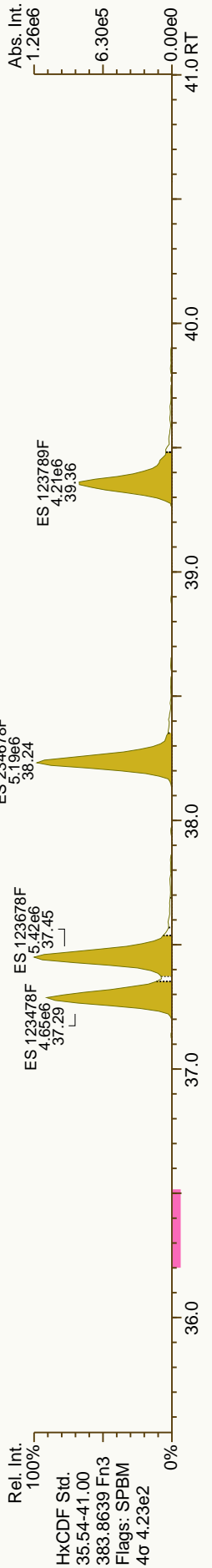
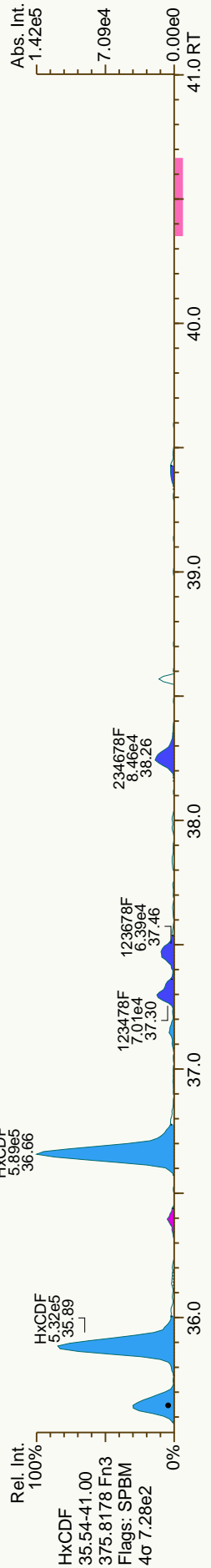
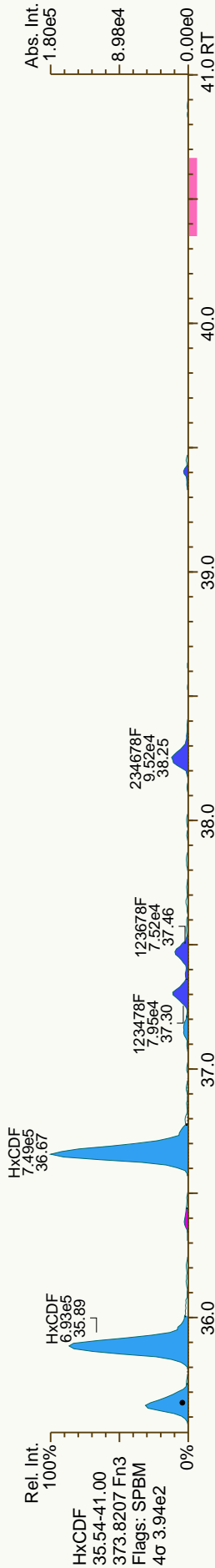


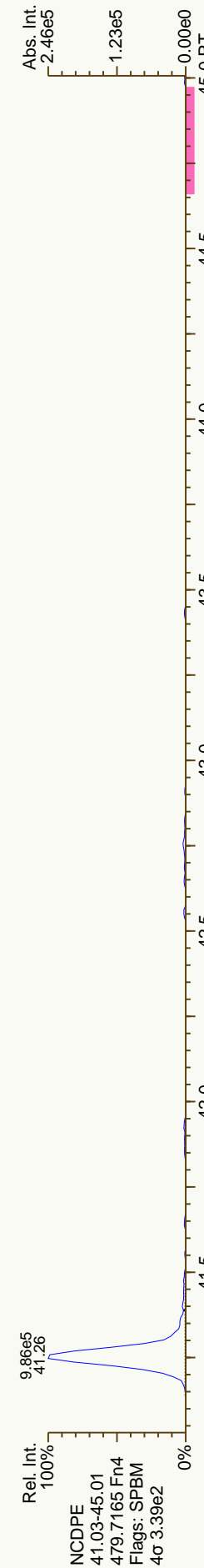
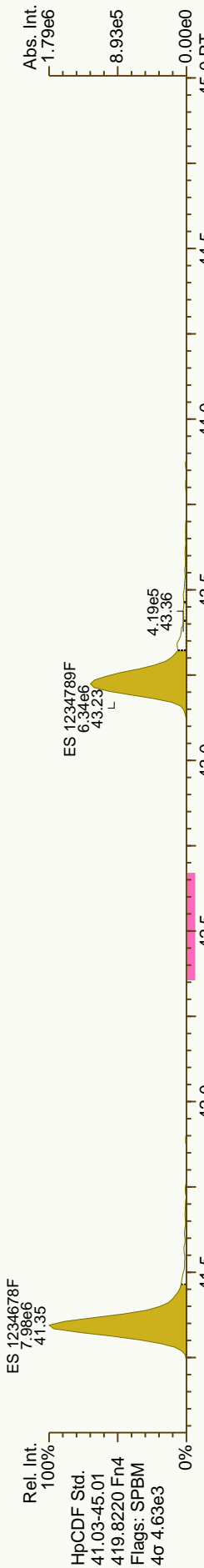
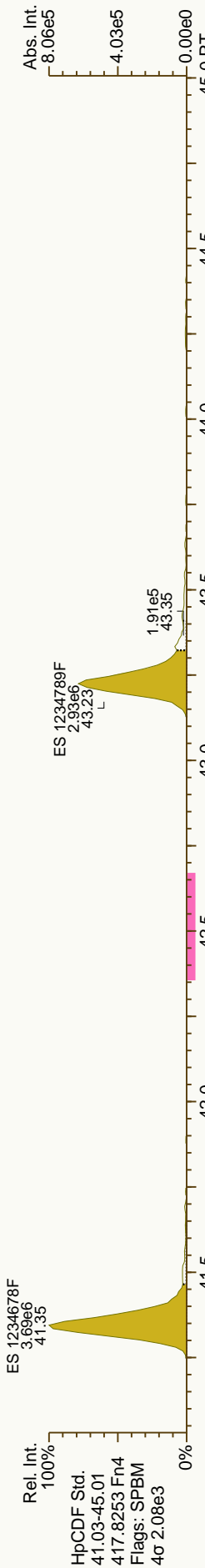
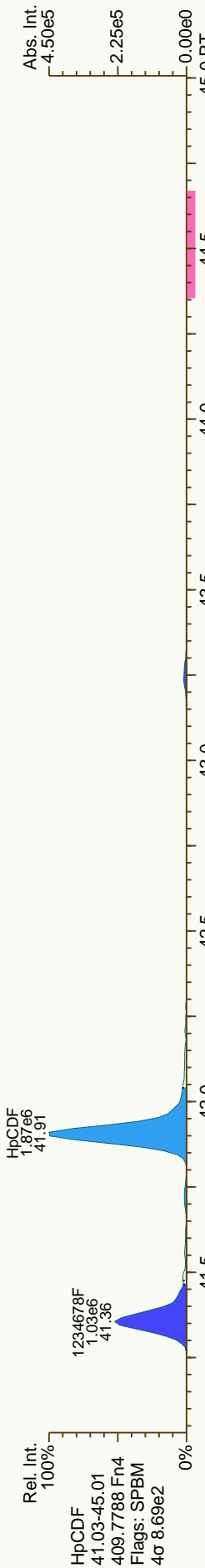
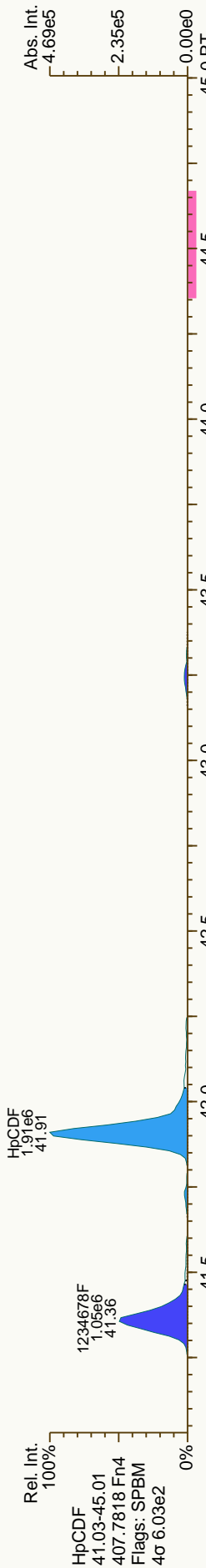


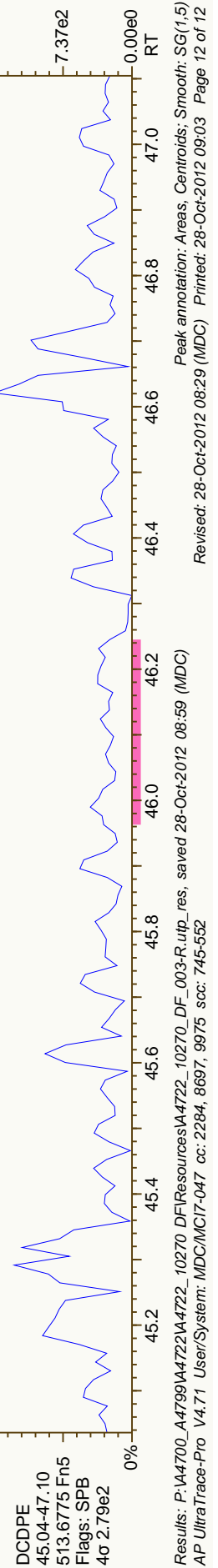
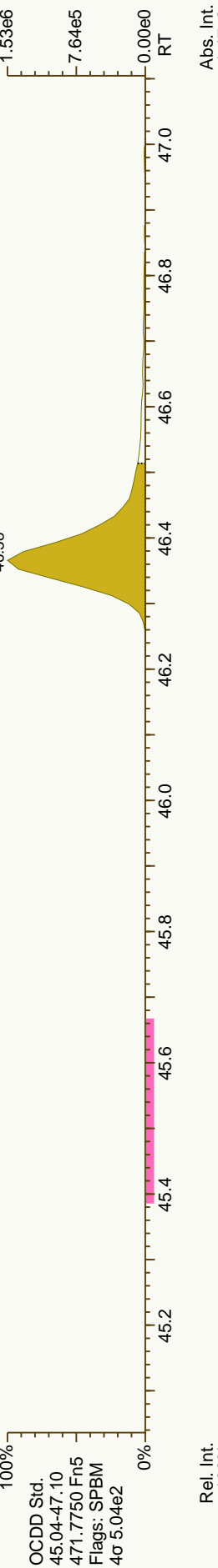
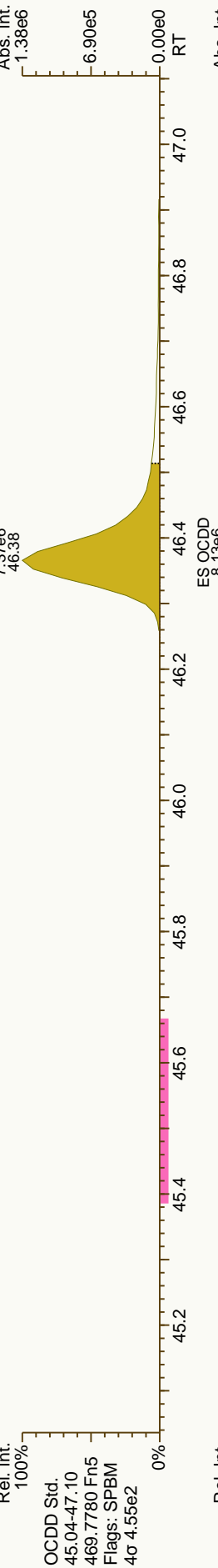
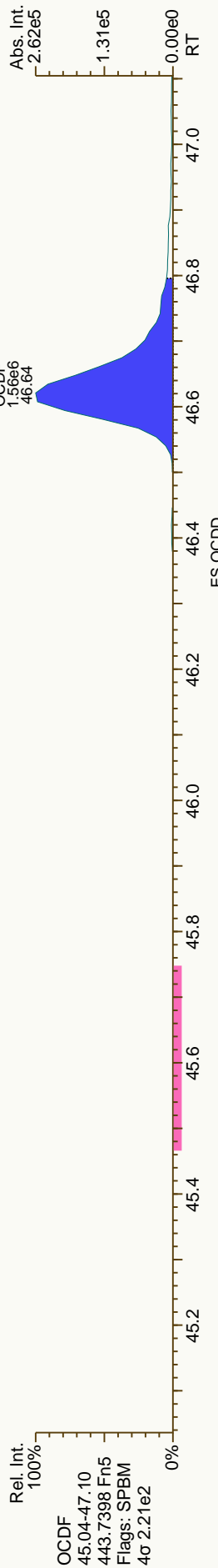
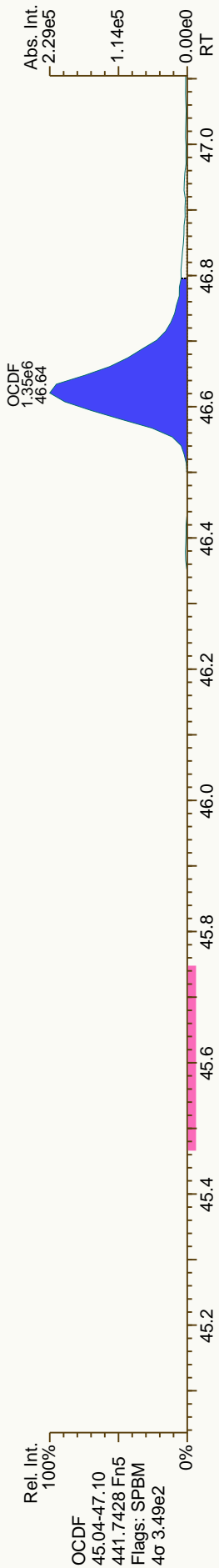












Quantify Sample Summary Report
 ### Confirms Sample Summary ###

MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\Results\c31oct12b-Confirms.qld

Last Altered: Thursday, November 01, 2012 16:02:41 Eastern Daylight Time
 Printed: Thursday, November 01, 2012 16:05:19 Eastern Daylight Time

A4422_10270--003-R

31203249

Method: C:\MassLynx\Default.PRO\MethDB\VF\Xms-TCDF_Smooth.mdb 01 Nov 2012 13:33:15
 Calibration: C:\MassLynx\Default.PRO\CurveDB\VF\Xms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c31oct12b-10
 Date: 31-Oct-2012
 Time: 19:33:58
 ID: 31203249007
 User: JHL
 Submitter:
 Task: HRMS3

Handwritten notes:
 2578 - T207
 (11750) (110095 (m)) (20.025)
 (11750) (11718) (20.025)
 (7958000) (1.520e5)
 Rec. mtr 11/1/12

Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RRT	RT	Conc	EDL	SN1	SN2	M	Height1	Noise1	Height2	Noise2	Smp S...	FV
2378-TCDF	1.475e4	6.624e3	8.121e3	0.82	NO	1.0006	21.00	1.520	0.0471	72.0	95.2	db	1.505e5	2089	1.920e5	2018	20.02	20
ES:13C-2378-TCDF	7.958e5	3.509e5	4.449e5	0.79	NO	1.0019	20.99	138.066	0.1689	1772.1	2579.0	bb	7.879e6	4446	1.064e7	4125	20.02	20
JS:13C-1234-TCDD	3.479e5	1.546e5	1.933e5	0.80	NO	0.0000	20.95	99.900	0.2599	810.7	1155.4	bd	3.404e6	4198	4.359e6	3772	20.02	20
Tetrafurans	-	7.960e4	-	-	-	-	-	18.325	0.0471	-	-	-	1.164e6	2089	-	-	20.02	20
F1 Lock Mass	-	-	-	-	-	-	-	-	-	-	-	-	-	99015	-	-	1.00	1

Dataset: C:\MassLynx\Default.pro\Results\c31oct12b-Confirms.qld

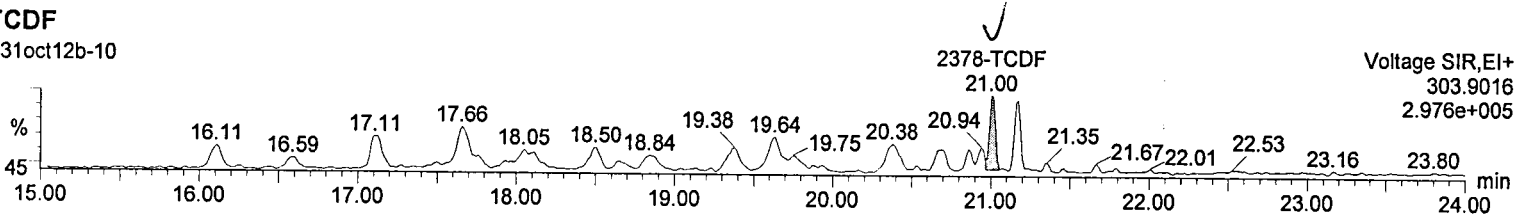
Last Altered: Thursday, 11/1/2012 11:23:28 AM Eastern Daylight Time
Printed: Thursday, 11/1/2012 11:24:50 AM Eastern Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\VF\Xms-TCDF_Smooth.mdb 31 Oct 2012 16:33:04
Calibration: C:\MassLynx\Default.PRO\CurveDB\VF\Xms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c31oct12b-10, ID: 31203249007

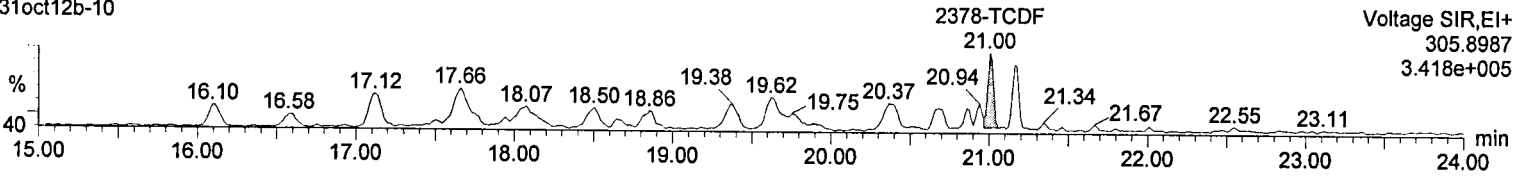
TCDF

c31oct12b-10



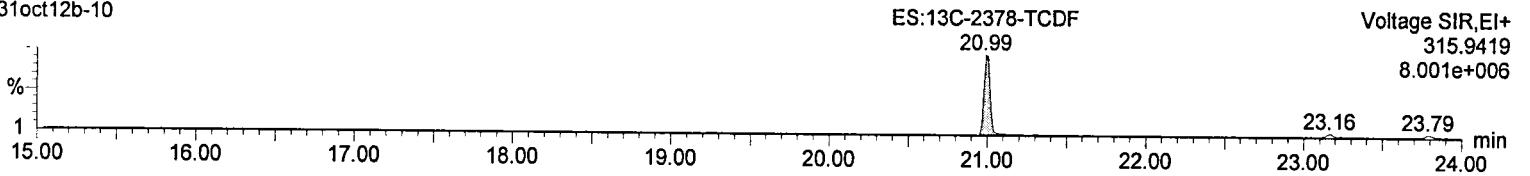
TCDF

c31oct12b-10



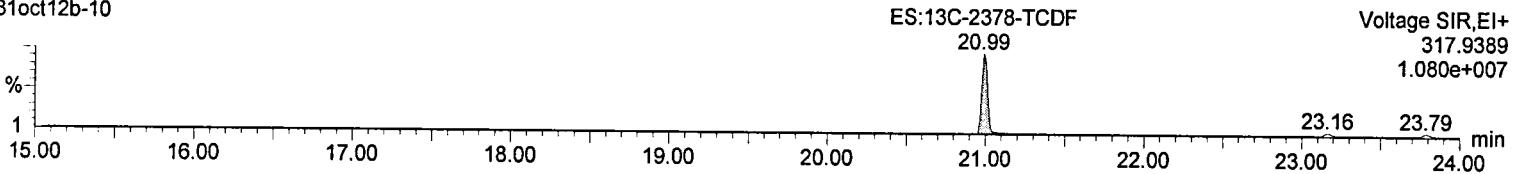
13C-TCDF

c31oct12b-10



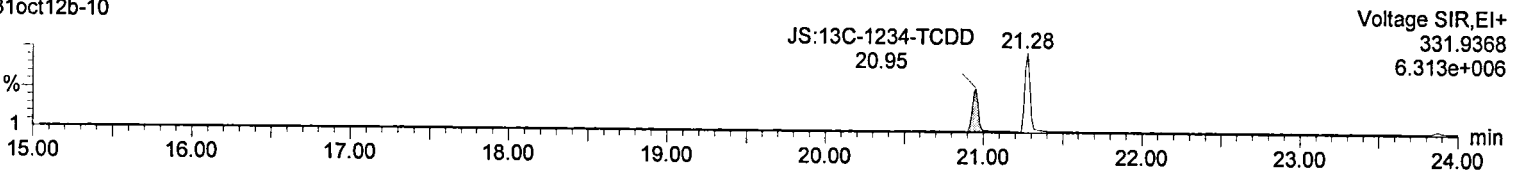
13C-TCDF

c31oct12b-10



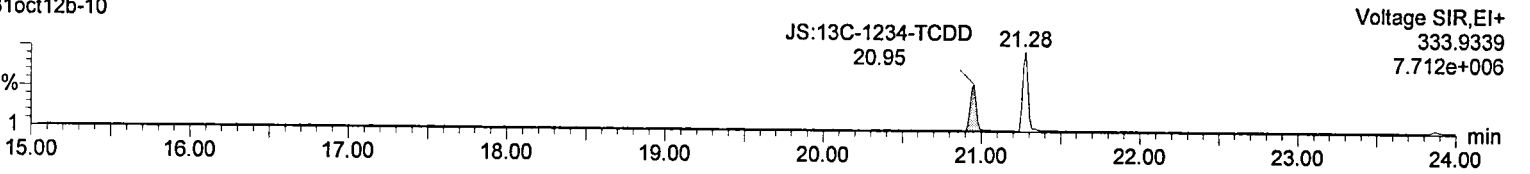
13C-TCDD

c31oct12b-10



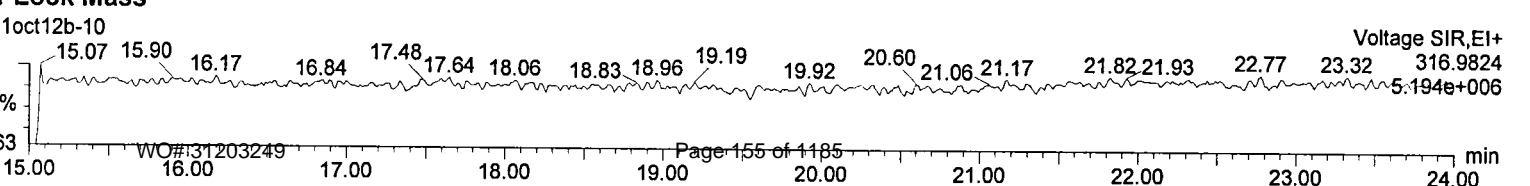
13C-TCDD

c31oct12b-10



F1 Lock Mass

c31oct12b-10



Results of JW-EA09-SS33-120507

Client Sample ID: **JW-EA09-SS33-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249008-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 13:24
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 52.00

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
2,3,7,8-TCDD		0.236	J	0.0665	0.498	pg/g	27.54	0.66*
1,2,3,7,8-PeCDD	0.718		J	0.129	2.49	pg/g	33.84	1.68
1,2,3,4,7,8-HxCDD	0.831		J	0.195	2.49	pg/g	38.49	1.13
1,2,3,6,7,8-HxCDD	5.51			0.200	2.49	pg/g	38.62	1.28
1,2,3,7,8,9-HxCDD	2.68			0.199	2.49	pg/g	38.97	1.30
1,2,3,4,6,7,8-HpCDD	61.4			0.343	2.49	pg/g	42.65	1.07
OCDD	468			0.257	4.98	pg/g	46.40	0.91
2,3,7,8-TCDF	1.55			0.0515	0.498	pg/g	26.55	0.78
2,3,7,8-TCDF [confirm]	1.29		J	0.0787	1.93	pg/g	20.99	0.83
1,2,3,7,8-PeCDF	0.405		J	0.0964	2.49	pg/g	32.10	1.66
2,3,4,7,8-PeCDF	0.865		J	0.0893	2.49	pg/g	33.43	1.38
1,2,3,4,7,8-HxCDF	0.779		J	0.0876	2.49	pg/g	37.32	1.38
1,2,3,6,7,8-HxCDF		0.497	J	0.0791	2.49	pg/g	37.49	1.51*
2,3,4,6,7,8-HxCDF	0.881		J	0.0708	2.49	pg/g	38.27	1.22
1,2,3,7,8,9-HxCDF	ND		U	0.112	2.49	pg/g		
1,2,3,4,6,7,8-HpCDF	10.9			0.104	2.49	pg/g	41.38	1.01
1,2,3,4,7,8,9-HpCDF	0.638		J	0.143	2.49	pg/g	43.26	1.19
OCDF	22.6			0.110	4.98	pg/g	46.63	0.89
Total TCDD	17.4	17.9		0.0665	0.498	pg/g		
Total TCDF	16.2	17.3		0.0515	0.498	pg/g		
Total PeCDD	11.7	13.0		0.129	2.49	pg/g		
Total PeCDF	9.27	10.6		0.0928	2.49	pg/g		
Total HxCDD	50.2			0.198	2.49	pg/g		
Total HxCDF	15.4	16.5		0.0856	2.49	pg/g		
Total HpCDD	143			0.343	2.49	pg/g		
Total HpCDF	31.8			0.122	2.49	pg/g		

World Health Organization Summary

	<u>Units</u>	<u>ND=0</u>	<u>ND=½</u>	<u>ND=DL</u>
WHO-2005 TEQ	pg/g	3.06	3.11	3.15
WHO-2005 TEQ w/EMPC	pg/g	3.35	3.35	3.36

Results of JW-EA09-SS33-120507

Client Sample ID: **JW-EA09-SS33-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249008-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 13:24
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 52.00

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
13C-2378-TCDD	117				25.0-164	%		
13C-12378-PeCDD	99.0				25.0-181	%		
13C-123478-HxCDD	96.0				32.0-141	%		
13C-123678-HxCDD	90.0				28.0-130	%		
13C-1234678-HpCDD	105				23.0-140	%		
13C-OCDD	84.0				17.0-157	%		
13C-2378-TCDF	114				24.0-169	%		
13C-12378-PeCDF	90.0				24.0-185	%		
13C-23478-PeCDF	93.0				21.0-178	%		
13C-123478-HxCDF	95.0				26.0-152	%		
13C-123678-HxCDF	103				26.0-123	%		
13C-234678-HxCDF	110				29.0-147	%		
13C-123789-HxCDF	96.0				28.0-136	%		
13C-1234678-HpCDF	90.0				28.0-143	%		
13C-1234789-HpCDF	98.0				26.0-138	%		
37Cl-2378-TCDD	124				35.0-197	%		

Batch Information

Analytical Batch: **HRD1902**
 Analytical Method: **EPA 1613B**
 Instrument: **APHRMS**
 Analyst: **MDC**
 Analytical Date/Time: **10/20/2012 02:44**

Prep Batch: **HXX1802**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/10/2012 09:35**
 Prep Initial Wt./Vol.: **19.32 g**
 Prep Extract Vol: **20 uL**

Analytical Batch: **HRD1912**
 Analytical Method: **EPA 1613B**
 Instrument: **HRMS3**
 Analyst: **JHL**
 Analytical Date/Time: **10/31/2012 20:08**

Prep Batch: **HXX1802**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/10/2012 09:35**
 Prep Initial Wt./Vol.: **19.32 g**
 Prep Extract Vol: **20 uL**

Lab ID: A4722_10216_DF_008
 Client ID: JW-EA09-SS33-120507
 Datafile: 121019P2-03

Acq'd: 20 Oct 2012 02:44 MDC
 UTP: 21-Oct-2012 10:25 MDC
 Report: 21 Oct 2012 10:25 MC

Wt/Vol: 10.04 g
 J-level: 0.498 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37Cl)



ICAL: 1613_SGS

Checkcode: 866-110-SQS

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.54		1.0009	1.0008	-0.2	4.35E+04	0.66	N	1.08	0.236	1020	0.0664
2378-PeCDD	33.84		1.0006	1.0006	0	9.23E+04	1.68	Y	1.07	0.717	1493	0.128
23478-HxCDD	38.49		1.0004	1.0004	0	8.77E+04	1.13	Y	1.05	0.831	1946	0.195
123678-HxCDD	38.62		1.0039	1.0039	0	5.74E+05	1.28	Y	0.98	5.51	1946	0.2
123789-HxCDD	38.97		1.0129	1.0128	-0.2	2.79E+05	1.30	Y	1.01	2.68	1946	0.199
1234678-HpCDD	42.65		1.0005	1.0004	-0.3	6.22E+06	1.07	Y	1.09	61.4	3346	0.343
OCDD	46.40		1.0005	1.0004	-0.3	3.06E+07	0.91	Y	1.11	467	1343	0.257
2378-TCDF	26.55		1.0009	1.0009	0	4.21E+05	0.78	Y	0.98	1.55	1128	0.0514
12378-PeCDF	32.10		1.0007	1.0006	-0.2	7.56E+04	1.66	Y	0.99	0.405	1600	0.0964
23478-PeCDF	33.43		1.0006	1.0009	+0.6	1.70E+05	1.38	Y	1.02	0.864	1600	0.0893
123478-HxCDF	37.32		1.0006	1.0005	-0.2	1.24E+05	1.38	Y	1.19	0.778	1344	0.0875
123678-HxCDF	37.49		1.0005	1.0005	0	9.29E+04	1.51	N	1.16	0.496	1344	0.079
234678-HxCDF	38.27		1.0006	1.0005	-0.2	1.71E+05	1.22	Y	1.18	0.88	1344	0.0707
123789-HxCDF	Not Fnd		1.0005	-	-	-	-	-	1.09	-	1344	0.112
1234678-HpCDF	41.38		1.0004	1.0004	0	1.56E+06	1.01	Y	1.35	10.9	1564	0.104
1234789-HpCDF	43.26		1.0004	1.0004	0	7.60E+04	1.19	Y	1.34	0.637	1564	0.143
OCDF	46.63		1.0057	1.0056	-0.3	1.86E+06	0.89	Y	1.40	22.6	727	0.11
Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %		
ES 2378-TCDD	27.52		1.0281	1.0277	-0.6	3.40E+07	0.79	Y	1.04	117		
ES 12378-PeCDD	33.82		1.2639	1.2629	-1.6	2.39E+07	1.57	Y	0.87	98.5		
ES 123478-HxCDD	38.47		0.9876	0.9877	+0.2	2.00E+07	1.29	Y	0.94	96.2		
ES 123678-HxCDD	38.60		0.9910	0.9911	+0.2	2.11E+07	1.30	Y	1.06	89.9		
ES 1234678-HpCDD	42.63		1.0943	1.0945	+0.5	1.85E+07	1.06	Y	0.80	105		
ES OCDD	46.38		1.1907	1.1906	-0.2	2.36E+07	0.90	Y	0.63	84.4		
ES 2378-TCDF	26.53		0.9907	0.9906	-0.2	5.55E+07	0.79	Y	1.74	114		
ES 12378-PeCDF	32.09		1.1992	1.1981	-1.8	3.76E+07	1.55	Y	1.49	90.2		
ES 23478-PeCDF	33.41		1.2484	1.2474	-1.6	3.86E+07	1.59	Y	1.48	93.3		
ES 123478-HxCDF	37.30		0.9577	0.9577	0	2.68E+07	0.52	Y	1.27	95		
ES 123678-HxCDF	37.47		0.9619	0.9620	+0.2	3.23E+07	0.51	Y	1.41	103		
ES 234678-HpCDF	38.25		0.9821	0.9821	0	3.29E+07	0.54	Y	1.34	110		
ES 123789-HxCDF	39.37		1.0108	1.0108	0	2.55E+07	0.52	Y	1.20	95.6		
ES 1234678-HpCDF	41.36		1.0618	1.0619	+0.2	2.10E+07	0.44	Y	1.06	89.6		
ES 1234789-HpCDF	43.24		1.1100	1.1101	+0.2	1.78E+07	0.45	Y	0.82	97.7		

Lab ID: A4722_10216_DF_008 Acq'd: 20 Oct 2012 02:44 MDC Wt/Vol: 10.04 g ICAL: 1613_SGS
 Client ID: JW-EA09-SS33-120507 UTP: 21-Oct-2012 10:25 MDC J-level: 0.498 pg/g Split: 1 Checkcode: 866-110-SQS
 Datafile: 121019P2-03 Report: 21 Oct 2012 10:25 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37Cl)

W#	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
120329	JS 1234-TCDD	26.78		-	-	-	2.79E+07	0.81	Y	-	-
120329	JS 123789-HxCDD	38.95		-	-	-	2.22E+07	1.27	Y	-	-
	CS 37Cl-2378-TCDD	27.55		1.0291	1.0286	-0.8	8.09E+06	n/a	-	1.17	124

SS 37Cl-2378-TCDD	27.55		1.0291	1.0286	-0.8	8.09E+06	n/a	-	1.12	106
-------------------	-------	--	--------	--------	------	----------	-----	---	------	-----

Totals	Conc	EMPC	EDL
Total TCDD	17.4	17.9	0.0664
Total PeCDD	11.7	13	0.128
Total HxCDD	50.2	50.2	0.198
Total HpCDD	143	143	0.343
Total Tetra-Octa Dioxins	689	691	
Total TCDF	16.2	17.2	0.0514
Total PeCDF	9.26	10.6	0.0927
Total HxCDF	15.4	16.5	0.0855
Total HpCDF	31.8	31.8	0.122
Total Tetra-Octa Furans	95.1	98.6	
Total Tetra-Octa Dioxins & Furans	784	790	

Lab ID: A4722_10216_DF_008 Acq'd: 20 Oct 2012 02:44 MDC Wt/Vol: 10.04 g ICAL: 1613_SGS
 Client ID: JW-EA09-SS33-120507 UTP: 21-Oct-2012 10:25 MDC J-level: 0.498 pg/g Split: 1 Checkcode: 866-110-SQS
 Datafile: 121019P2-03 Report: 21 Oct 2012 10:25 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

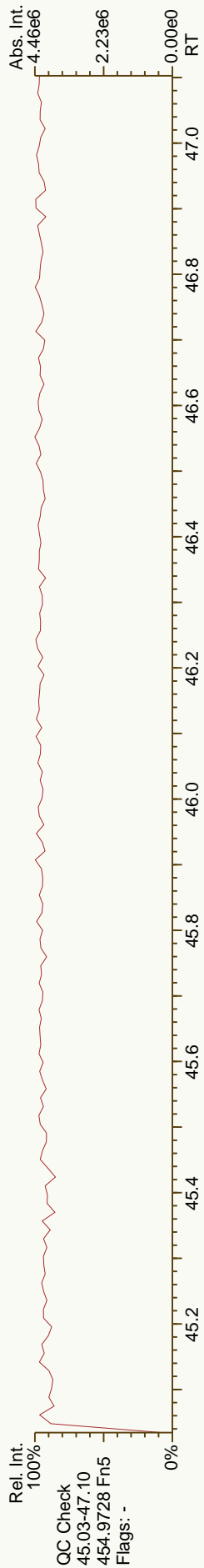
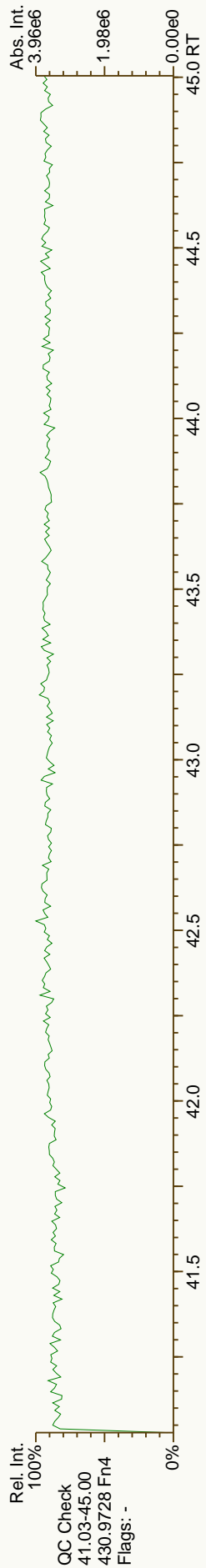
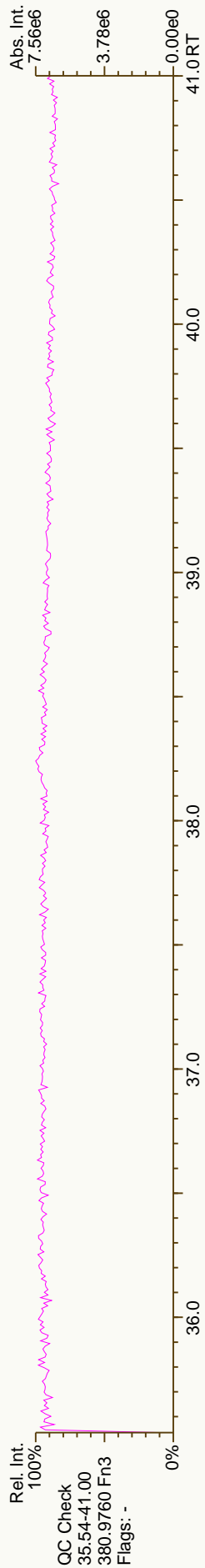
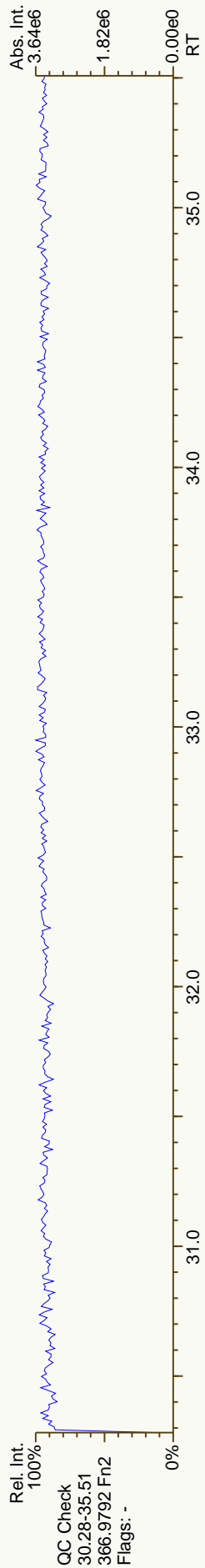
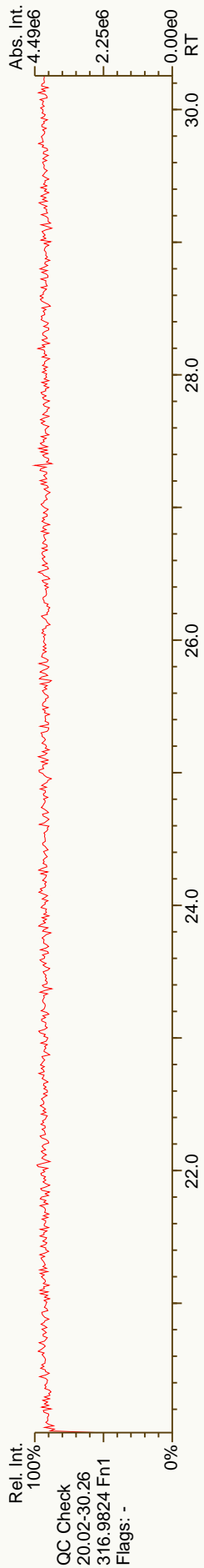
WV#	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	TCDD	23.44		0.8504	0.8517	+2.1	9.89E+05	0.77	Y	1.08	5.36	1020	0.0664
2	TCDD	23.84		0.8649	0.8662	+2.1	7.28E+05	0.75	Y	1.08	3.94	1020	0.0664
3	TCDD	24.32		0.8835	0.8836	+0.2	2.69E+04	0.98	N	1.08	0.146	1020	0.0664
4	TCDD	25.19		0.9152	0.9152	0	6.64E+05	0.79	Y	1.08	3.59	1020	0.0664
	TCDD	25.45		0.9241	0.9247	+1.0	1.21E+05	0.85	Y	1.08	0.653	1020	0.0664
	TCDD	25.67		0.9327	0.9329	+0.3	1.54E+05	0.72	Y	1.08	0.833	1020	0.0664
	TCDD	25.88		0.9408	0.9405	-0.5	3.34E+04	0.66	Y	1.08	0.181	1020	0.0664
	TCDD	26.17		0.9512	0.9509	-0.5	1.25E+04	0.86	Y	1.08	0.0676	1020	0.0664
	TCDD	26.37		0.9580	0.9582	+0.3	3.34E+04	0.60	N	1.08	0.181	1020	0.0664
	TCDD	26.80		0.9736	0.9738	+0.3	2.44E+05	0.80	Y	1.08	1.32	1020	0.0664
	TCDD	NotFnd		0.9785						1.08		1020	0.0664
	TCDD	27.24		0.9884	0.9897	+2.1	2.33E+05	0.81	Y	1.08	1.26	1020	0.0664
	TCDD	NotFnd		0.9945						1.08		1020	0.0664
	2378-TCDD	27.54		1.0009	1.0008	-0.2	4.35E+04	0.66	N	1.08	0.236	1020	0.0664
	TCDD	27.93		1.0147	1.0149	+0.3	2.79E+04	0.81	Y	1.08	0.151	1020	0.0664
	TCDD	NotFnd		1.0206						1.08		1020	0.0664
	TCDD	NotFnd		1.0423						1.08		1020	0.0664
1	PeCDD	30.88		0.9131	0.9130	-0.2	4.18E+05	1.61	Y	1.07	3.25	1493	0.128
2	PeCDD	31.50		0.9319	0.9315	-0.8	5.39E+04	2.07	N	1.07	0.419	1493	0.128
3	PeCDD	32.16		0.9511	0.9509	-0.4	3.91E+05	1.66	Y	1.07	3.04	1493	0.128
	PeCDD	32.38		0.9576	0.9575	-0.2	9.11E+04	1.64	Y	1.07	0.709	1493	0.128
	PeCDD	32.50		0.9611	0.9611	0	3.42E+05	1.63	Y	1.07	2.66	1493	0.128
	PeCDD	32.81		0.9703	0.9701	-0.4	9.43E+04	1.30	N	1.07	0.733	1493	0.128
	PeCDD	33.25		0.9829	0.9830	+0.2	1.51E+05	1.46	Y	1.07	1.17	1493	0.128
	12378-PeCDD	33.84		1.0006	1.0006	0	9.23E+04	1.68	Y	1.07	0.717	1493	0.128
	PeCDD	33.96		1.0039	1.0040	+0.2	1.71E+04	1.70	Y	1.07	0.133	1493	0.128
	PeCDD	34.36		1.0161	1.0158	-0.6	2.29E+04	2.00	N	1.07	0.178	1493	0.128
	HxCDD	36.46		0.9479	0.9476	-0.7	1.15E+06	1.24	Y	1.01	10.9	1946	0.198
	HxCDD	37.24		0.9682	0.9679	-0.7	9.44E+05	1.26	Y	1.01	9.01	1946	0.198
	HxCDD	37.59		0.9771	0.9771	0	2.00E+06	1.28	Y	1.01	19.1	1946	0.198
	HxCDD	37.73		0.9811	0.9808	-0.7	1.46E+05	1.32	Y	1.01	1.4	1946	0.198
	123478-HxCDD	38.49		1.0004	1.0004	0	8.77E+04	1.13	Y	1.05	0.831	1946	0.195
	123678-HxCDD	38.62		1.0039	1.0039	0	5.74E+05	1.28	Y	0.98	5.51	1946	0.2
	HxCDD	38.84		1.0097	1.0097	0	7.99E+04	1.23	Y	1.01	0.762	1946	0.198
	123789-HxCDD	38.97		1.0129	1.0128	-0.2	2.79E+05	1.30	Y	1.01	2.68	1946	0.199

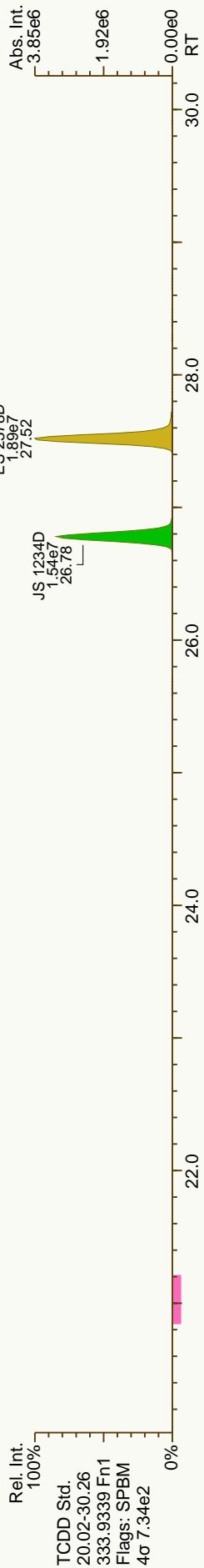
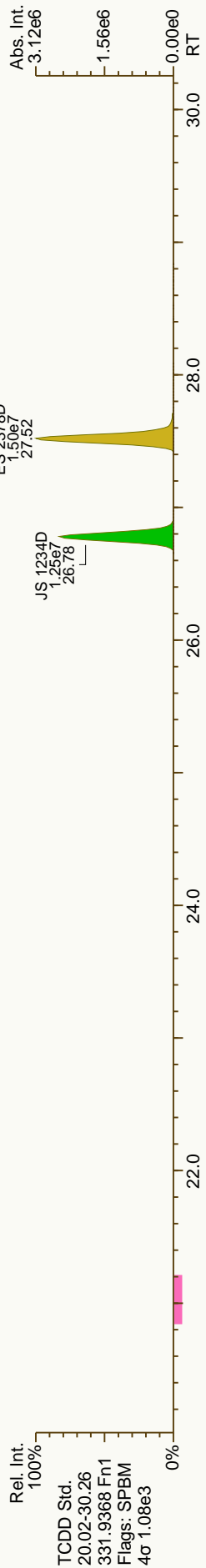
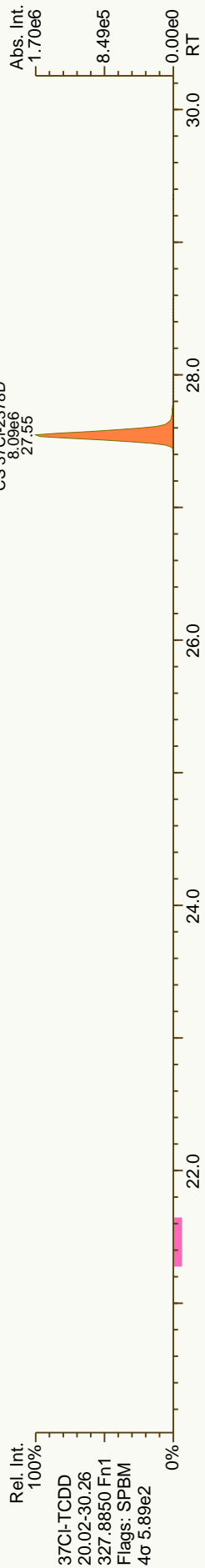
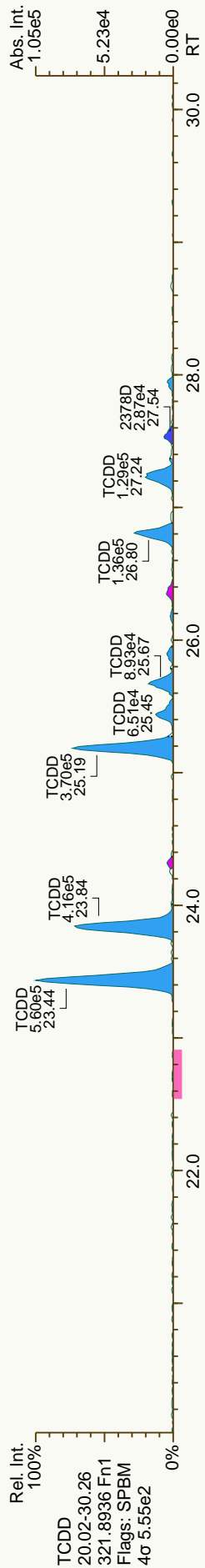
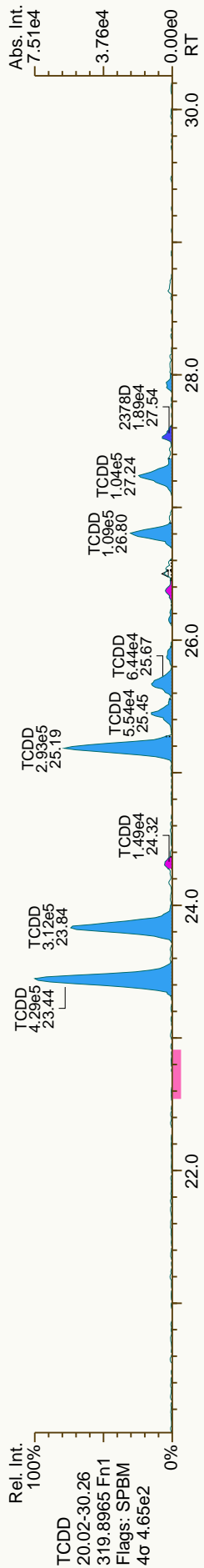
Lab ID: A4722_10216_DF_008 Acq'd: 20 Oct 2012 02:44 MDC Wt/Vol: 10.04 g ICAL: 1613_SGS
 Client ID: JW-EA09-SS33-120507 UTP: 21-Oct-2012 10:25 MDC J-level: 0.498 pg/g Split: 1 Checkcode: 866-110-SQS
 Datafile: 121019P2-03 Report: 21 Oct 2012 10:25 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

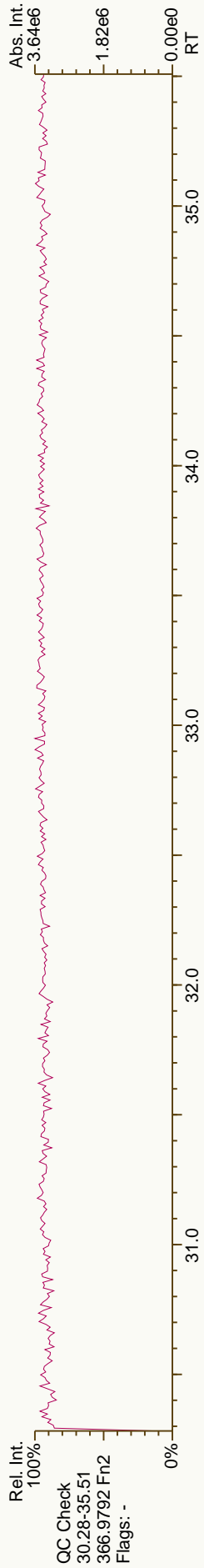
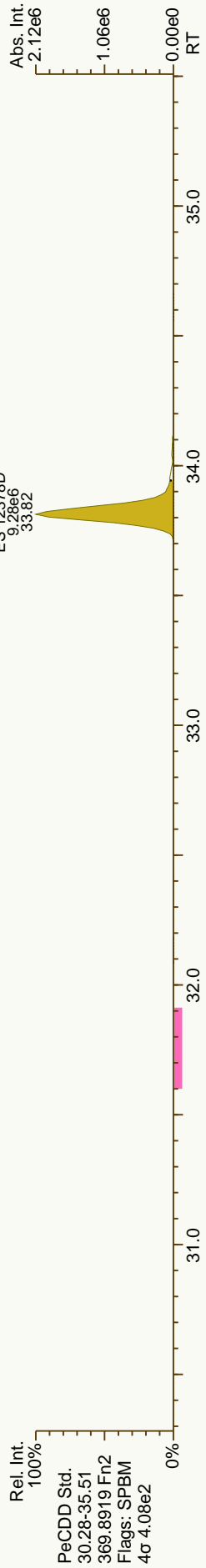
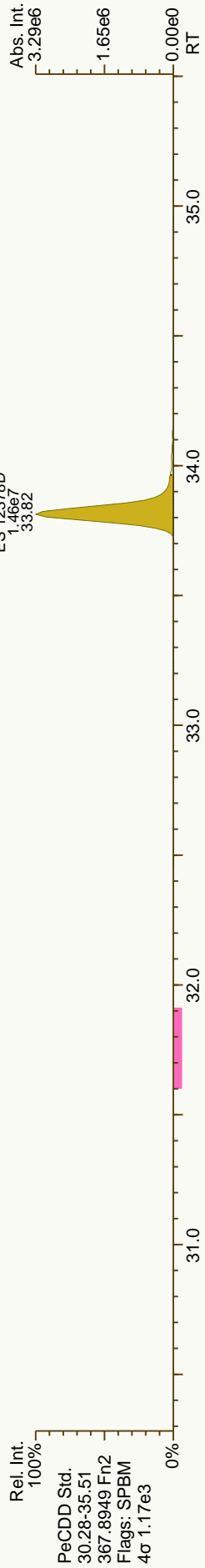
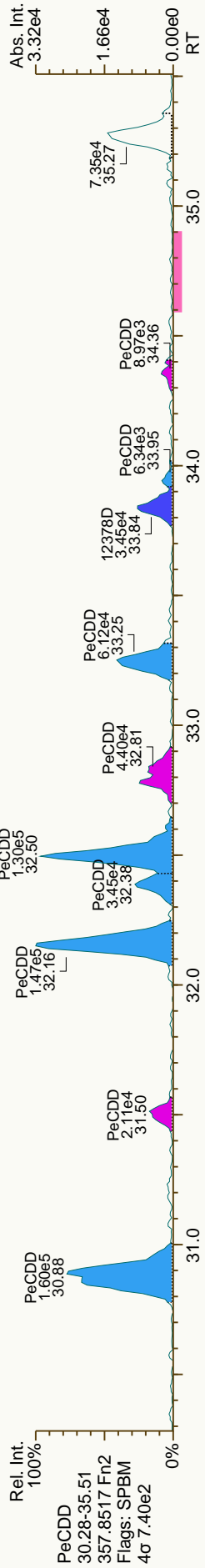
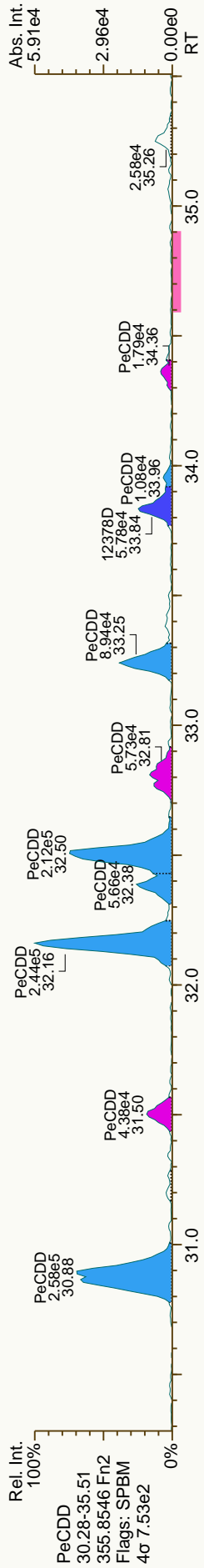
WV#	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	HP-CDD	41.74		0.9793	0.9792	-0.3	8.23E+06	1.04	Y	1.09	81.2	3346	0.343
2	234678-HP-CDD	42.65		1.0005	1.0004	-0.3	6.22E+06	1.07	Y	1.09	61.4	3346	0.343
3	OCDD	46.40		1.0005	1.0004	-0.3	3.06E+07	0.91	Y	1.11	467	1343	0.257
4	OCDD-a	46.39		1.0001	1.0003	+0.6	1.79E+06	2.68	Y	1.00	30.2	870	0.184
5	TCDF	21.23		0.7983	0.8004	+3.3	1.71E+05	0.87	Y	0.98	0.63	1128	0.0514
6	TCDF	21.79		0.8218	0.8213	-0.8	1.22E+05	0.89	N	0.98	0.449	1128	0.0514
7	TCDF	22.45		0.8463	0.8461	-0.3	4.02E+05	0.78	Y	0.98	1.48	1128	0.0514
8	TCDF	22.86		0.8625	0.8619	-1.0	9.98E+04	0.76	Y	0.98	0.367	1128	0.0514
9	TCDF	23.02		0.8677	0.8677	0	5.17E+05	0.77	Y	0.98	1.9	1128	0.0514
10	TCDF	23.31		0.8787	0.8787	0	9.67E+04	0.83	Y	0.98	0.356	1128	0.0514
11	TCDF	23.44		0.8840	0.8837	-0.5	3.41E+05	0.85	Y	0.98	1.25	1128	0.0514
12	TCDF	23.87		0.8998	0.8998	0	2.42E+05	0.75	Y	0.98	0.89	1128	0.0514
13	TCDF	24.01		0.9054	0.9051	-0.5	1.04E+05	0.82	Y	0.98	0.383	1128	0.0514
14	TCDF	24.20		0.9125	0.9122	-0.5	2.03E+05	0.78	Y	0.98	0.746	1128	0.0514
15	TCDF	24.62		0.9279	0.9281	+0.3	1.04E+05	0.73	Y	0.98	0.383	1128	0.0514
16	TCDF	24.76		0.9334	0.9334	0	1.49E+05	0.66	Y	0.98	0.548	1128	0.0514
17	TCDF	24.92		0.9381	0.9394	+2.1	2.93E+05	0.78	Y	0.98	1.08	1128	0.0514
18	TCDF	25.05		0.9439	0.9442	+0.5	2.66E+05	0.77	Y	0.98	0.98	1128	0.0514
19	TCDF	25.55		0.9630	0.9632	+0.3	3.16E+05	0.66	Y	0.98	1.16	1128	0.0514
20	TCDF	NotFnd		0.9674						0.98		1128	0.0514
21	TCDF	25.86		0.9746	0.9750	+0.6	1.25E+05	0.68	Y	0.98	0.458	1128	0.0514
22	TCDF	26.07		0.9829	0.9829	0	8.51E+04	0.72	Y	0.98	0.313	1128	0.0514
23	TCDF	26.30		0.9916	0.9915	-0.2	1.11E+05	0.65	N	0.98	0.408	1128	0.0514
24	TCDF	26.43		0.9963	0.9963	0	1.11E+05	0.68	Y	0.98	0.407	1128	0.0514
25	2378-TCDF	26.55		1.0009	1.0009	0	4.21E+05	0.78	Y	0.98	1.55	1128	0.0514
26	TCDF	26.97		1.0166	1.0166	0	3.29E+05	0.78	Y	0.98	1.21	1128	0.0514
27	TCDF	27.25		1.0274	1.0273	-0.2	2.69E+04	0.84	Y	0.98	0.099	1128	0.0514
28	TCDF	NotFnd		1.0390						0.98		1128	0.0514
29	TCDF	28.85		1.0886	1.0874	-1.9	5.28E+04	1.15	N	0.98	0.194	1128	0.0514
30	PeCDF	28.84		0.8975	0.8988	+2.5	7.28E+05	1.76	Y	1.00	3.79	1226	0.0711
31	PeCDF	30.61		0.9542	0.9541	-0.2	1.70E+05	1.43	Y	1.00	0.887	1600	0.0927
32	PeCDF	30.80		0.9587	0.9599	+2.3	4.06E+05	1.66	Y	1.00	2.11	1600	0.0927
33	PeCDF	30.90		0.9636	0.9629	-1.3	7.09E+04	1.57	Y	1.00	0.369	1600	0.0927
34	PeCDF	31.03		0.9671	0.9670	-0.2	1.94E+04	1.17	N	1.00	0.101	1600	0.0927
35	PeCDF	31.30		0.9760	0.9754	-1.2	2.68E+04	1.10	N	1.00	0.139	1600	0.0927
36	PeCDF	NotFnd		0.9810						1.00		1600	0.0927

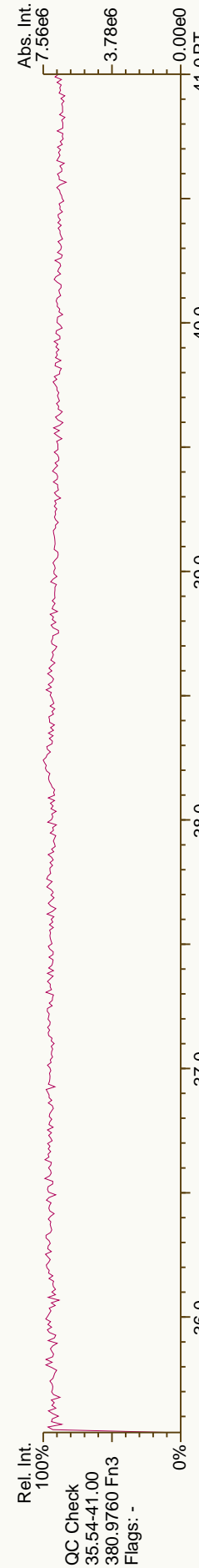
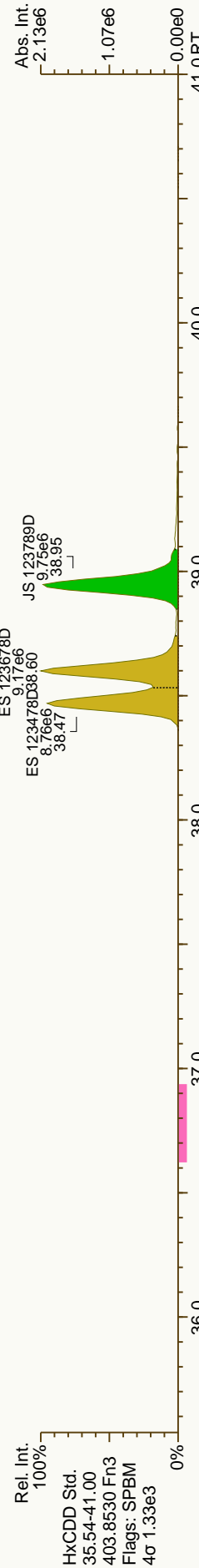
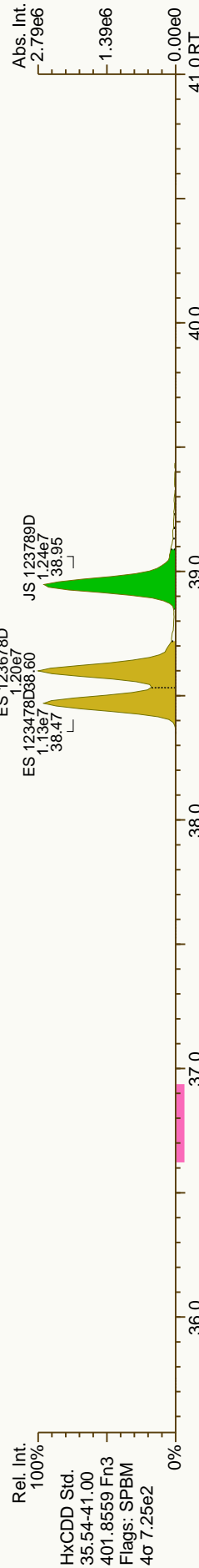
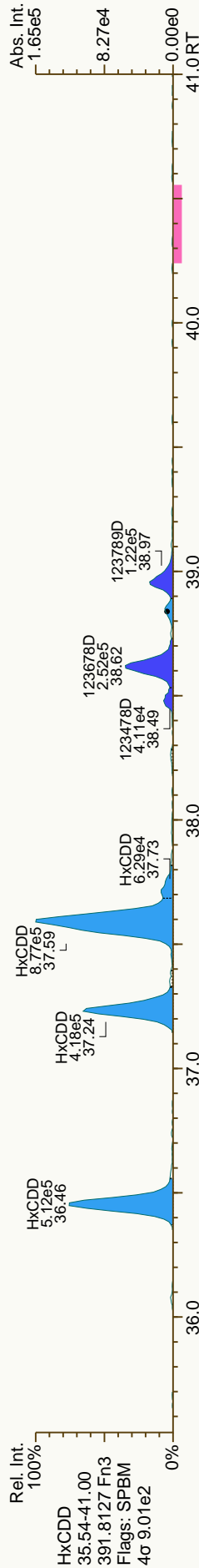
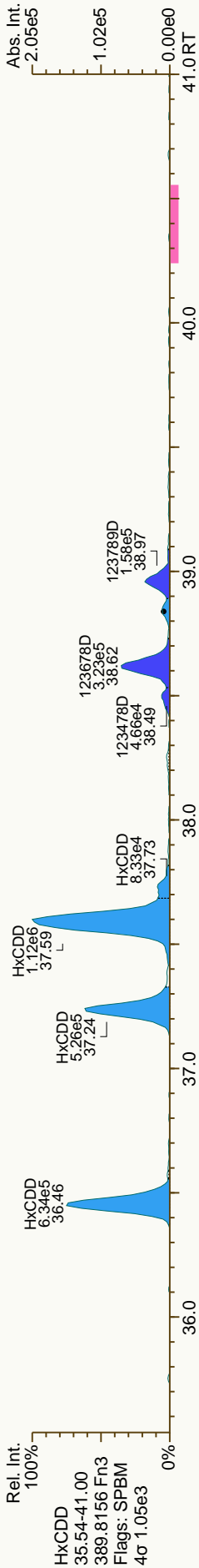
Lab ID: A4722_10216_DF_008 Acq'd: 20 Oct 2012 02:44 MDC Wt/Vol: 10.04 g ICAL: 1613_SGS
 Client ID: JW-EA09-SS33-120507 UTP: 21-Oct-2012 10:25 MDC J-level: 0.498 pg/g Split: 1 Checkcode: 866-110-SQS
 Datafile: 121019P2-03 Report: 21 Oct 2012 10:25 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

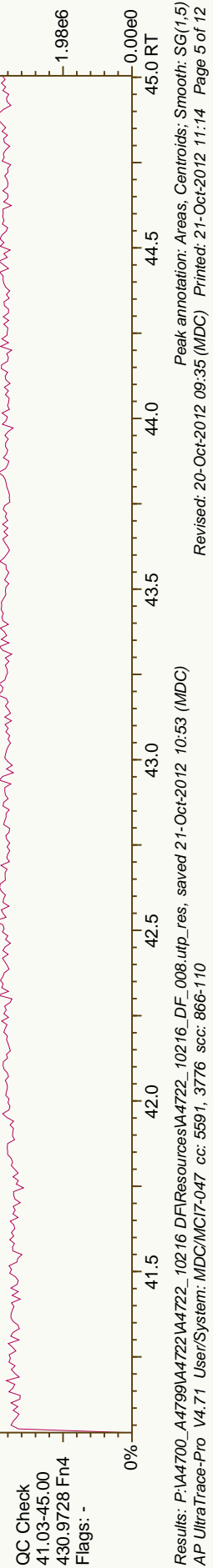
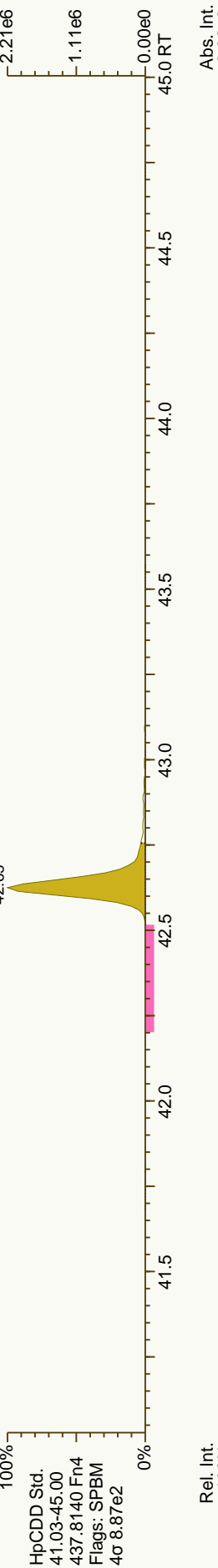
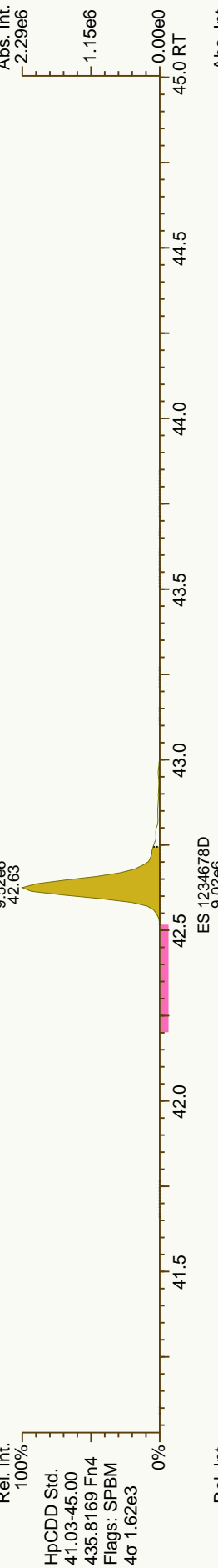
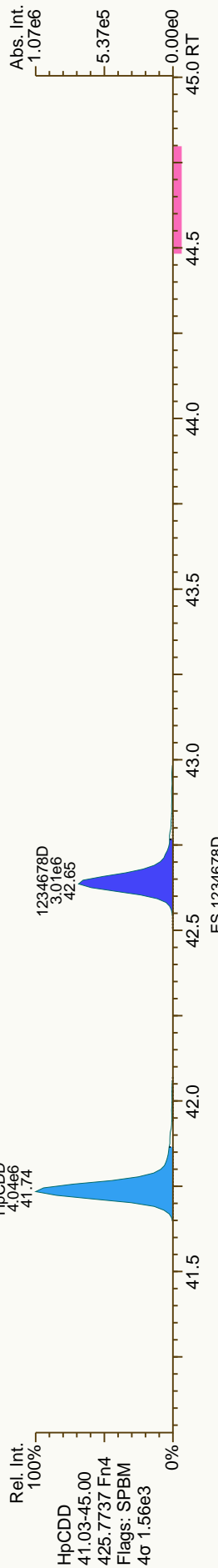
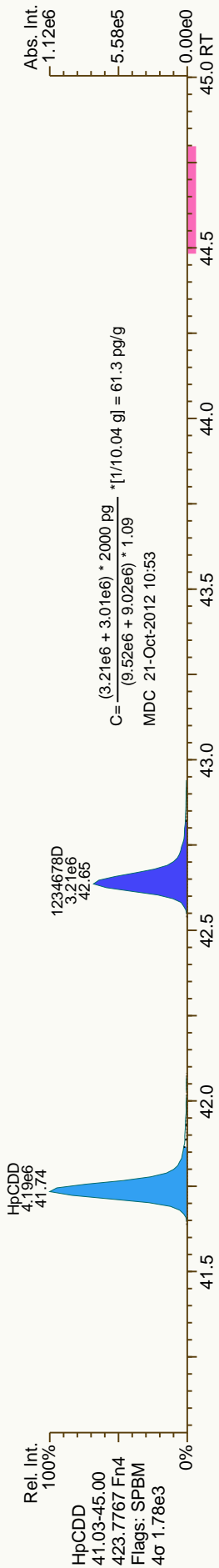
Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	PeCDF	31.58		0.9847	0.9841	-1.2	1.13E+05	1.17	N	1.00	0.59	1600	0.0927
2	PeCDF	31.65		0.9870	0.9865	-1.0	3.94E+04	1.37	Y	1.00	0.205	1600	0.0927
3	PeCDF	31.84		0.9930	0.9924	-1.2	2.73E+04	1.07	N	1.00	0.142	1600	0.0927
4	12378-PeCDF	32.10		1.0007	1.0006	-0.2	7.56E+04	1.66	Y	0.99	0.405	1600	0.0964
	PeCDF	32.43		1.0113	1.0108	-1.0	1.20E+05	1.34	Y	1.00	0.626	1600	0.0927
	PeCDF	NotFnd		1.0169						1.00		1600	0.0927
	PeCDF	NotFnd		0.9917						1.00		1600	0.0927
	PeCDF	33.28		0.9962	0.9962	0	6.23E+04	1.84	N	1.00	0.324	1600	0.0927
	23478-PeCDF	33.43		1.0006	1.0009	+0.6	1.70E+05	1.38	Y	1.02	0.864	1600	0.0893
	PeCDF	NotFnd		0.0000						1.02	0	0	0
	PeCDF	NotFnd		1.0023						1.00		1600	0.0927
	PeCDF	NotFnd		1.0120						1.00		1600	0.0927
	PeCDF	NotFnd		1.0389						1.00		1600	0.0927
	HxCDF	35.67		0.9565	0.9562	-0.7	3.03E+05	1.32	Y	1.15	1.78	1344	0.0855
	HxCDF	35.91		0.9627	0.9625	-0.4	9.80E+05	1.28	Y	1.15	5.77	1344	0.0855
	NotFnd	NotFnd		0.9700						1.15		1344	0.0855
	HxCDF	36.41		0.9762	0.9760	-0.4	3.06E+04	1.49	N	1.15	0.18	1344	0.0855
	HxCDF	36.68		0.9833	0.9833	0	1.03E+06	1.29	Y	1.15	6.07	1344	0.0855
	HxCDF	37.17		0.9968	0.9965	-0.7	4.45E+04	1.43	N	1.15	0.262	1344	0.0855
	123478-HxCDF	37.32		1.0006	1.0005	-0.2	1.24E+05	1.38	Y	1.19	0.778	1344	0.0875
	123678-HxCDF	37.49		1.0005	1.0005	0	9.29E+04	1.51	N	1.16	0.496	1344	0.079
	HxCDF	NotFnd		1.0055						1.15		1344	0.0855
	HxCDF	37.86		1.0102	1.0105	+0.7	1.50E+04	1.11	Y	1.15	0.0884	1344	0.0855
	HxCDF	NotFnd		0.9933						1.15		1344	0.0855
	234678-HxCDF	38.27		1.0006	1.0005	-0.2	1.71E+05	1.22	Y	1.18	0.88	1344	0.0707
	HxCDF	NotFnd		0.0000						1.18	0	0	0
	HxCDF	NotFnd		1.0009						1.15		1344	0.0855
	123789-HxCDF	NotFnd		1.0005						1.09		1344	0.112
	HxCDF	NotFnd		0.0000						1.09	0	0	0
	123489-HxCDF	39.42		1.0013	1.0012	-0.2	2.67E+04	1.62	N	1.15	0.157	1344	0.0855
	1234678-HpCDF	41.38		1.0004	1.0004	0	1.56E+06	1.01	Y	1.35	10.9	1564	0.104
	HpCDF	41.75		1.0091	1.0093	+0.5	4.66E+04	0.95	Y	1.34	0.356	1564	0.122
	HpCDF	41.92		1.0140	1.0136	-1.0	2.59E+06	1.01	Y	1.34	19.8	1564	0.122
	1234789-HpCDF	43.26		1.0004	1.0004	0	7.60E+04	1.19	Y	1.34	0.637	1564	0.143
	OCDF	46.63		1.0057	1.0056	-0.3	1.86E+06	0.89	Y	1.40	22.6	727	0.11
	OCDF-a	NotFnd		1.0053						1.00		1331	0.282

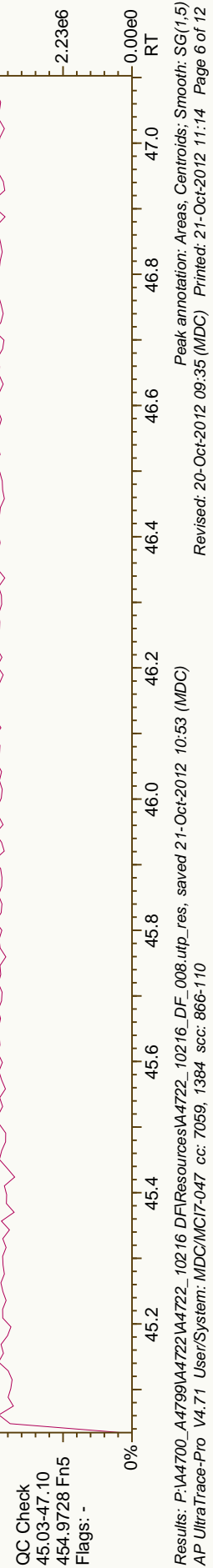
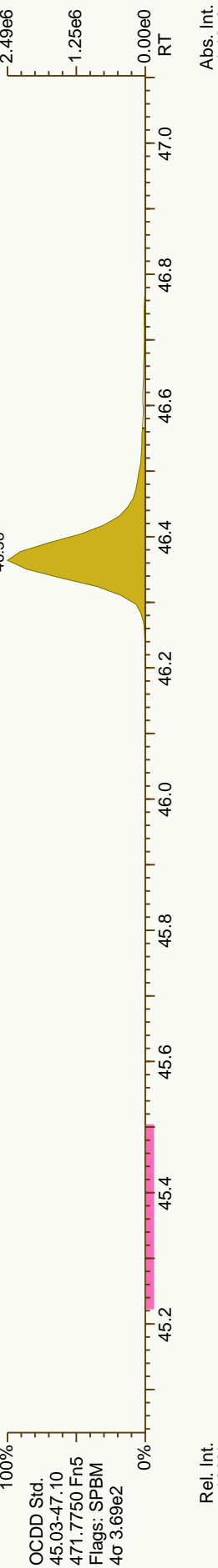
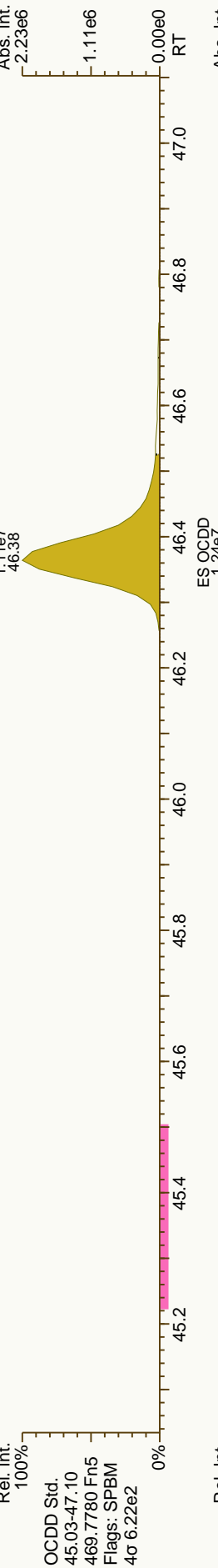
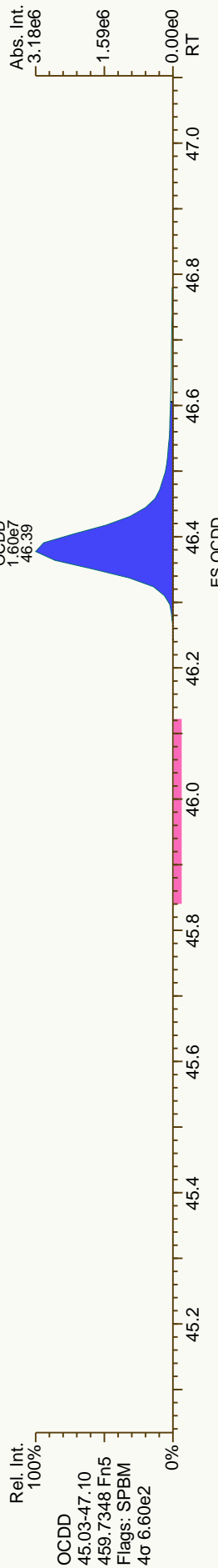
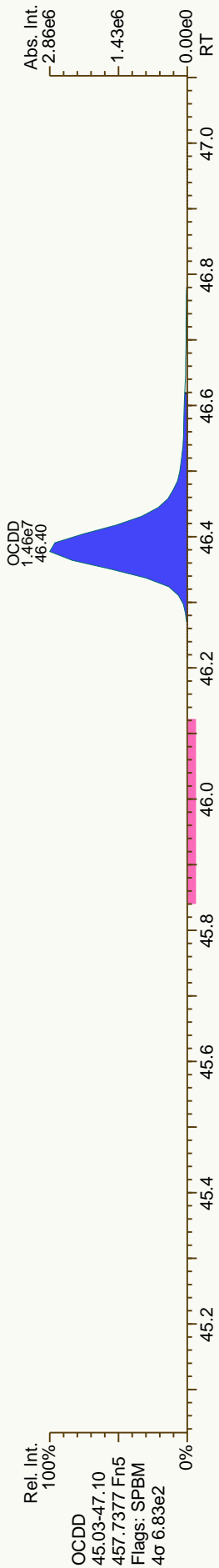


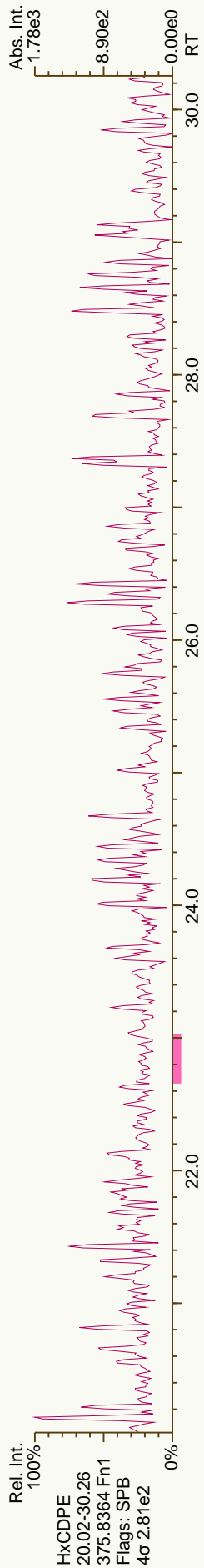
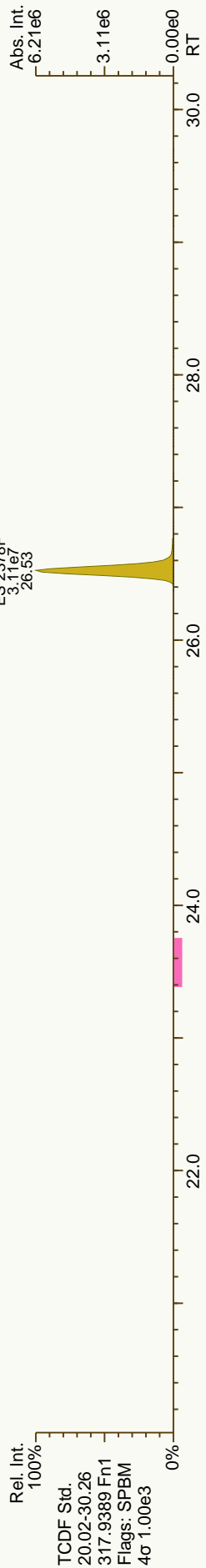
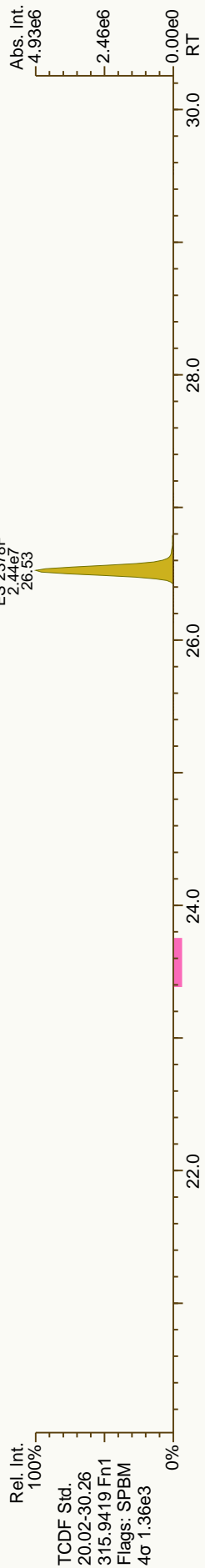
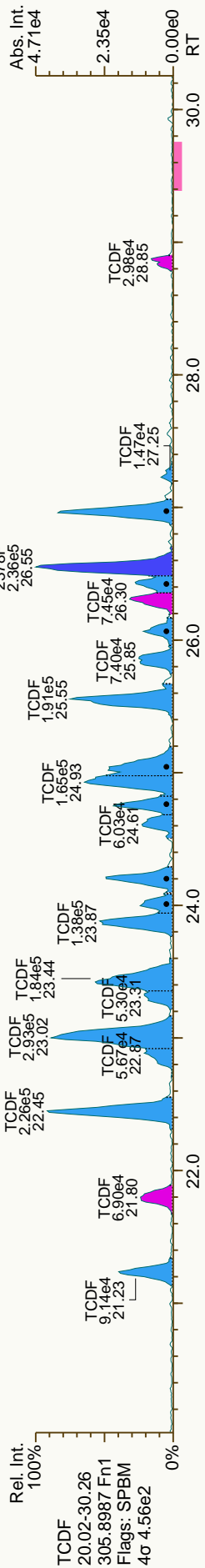
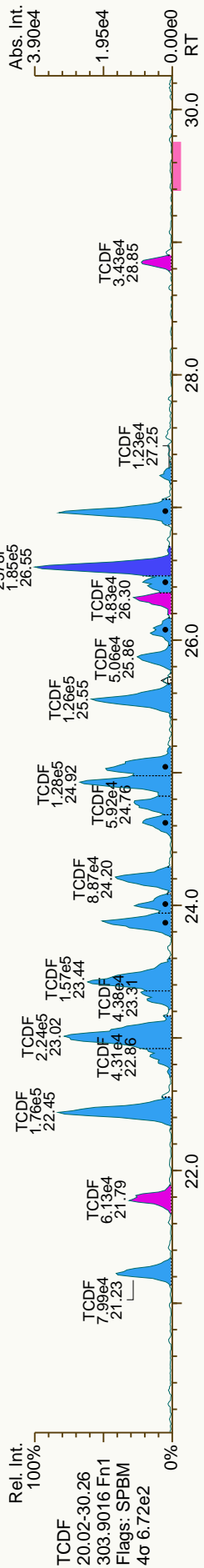


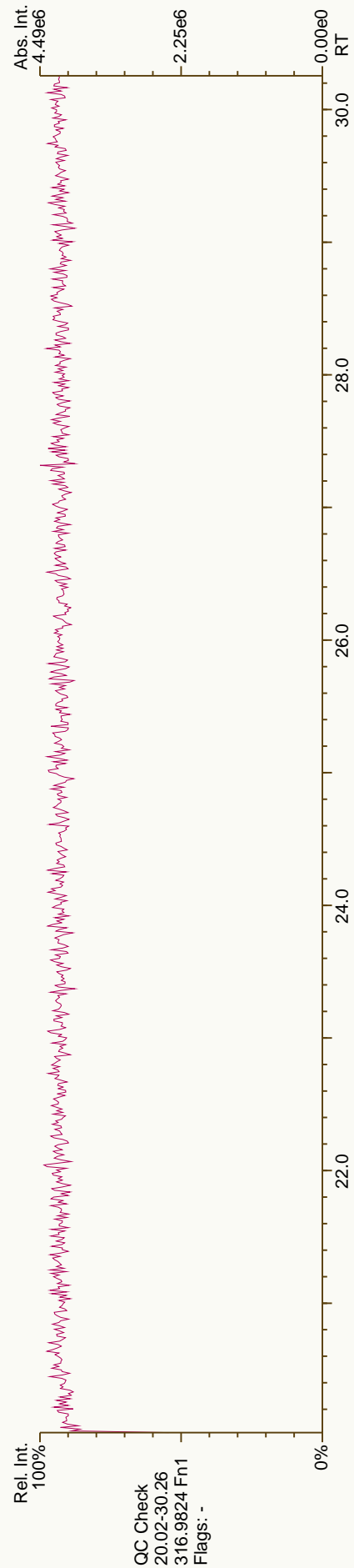
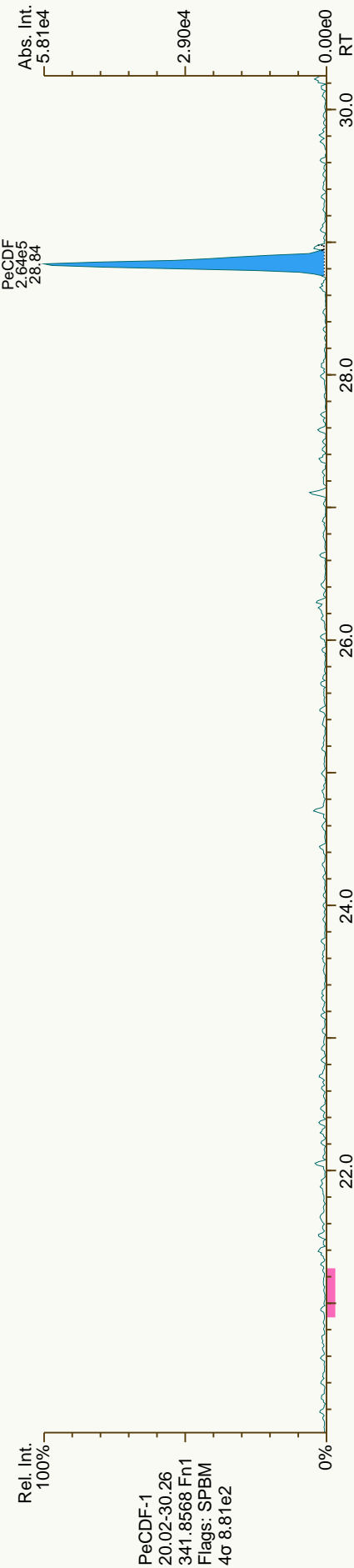
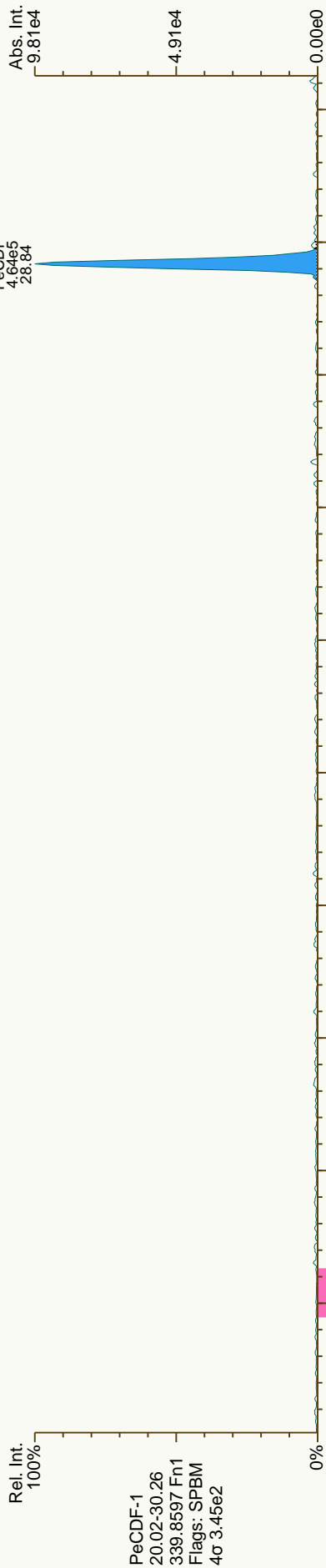


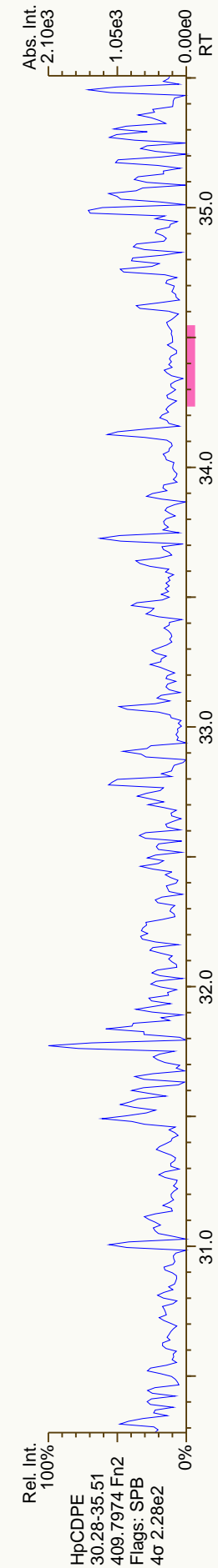
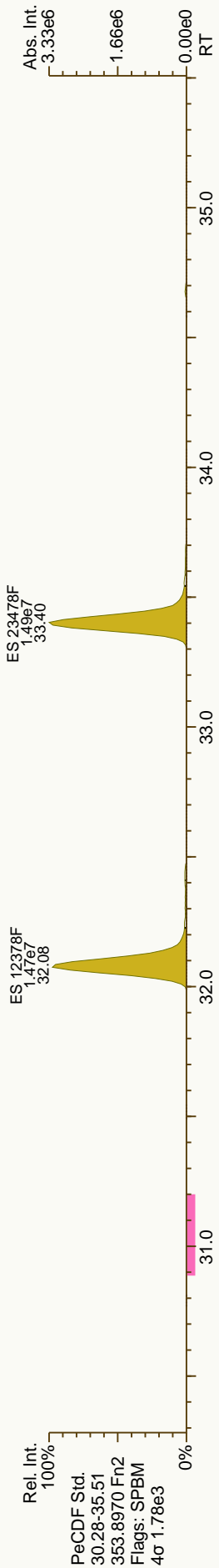
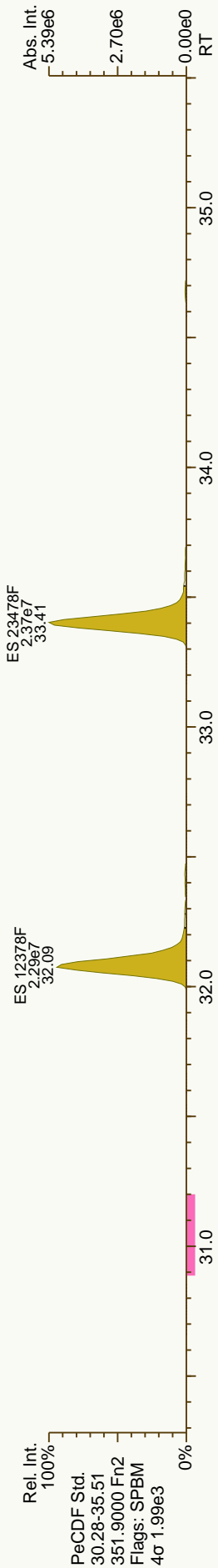
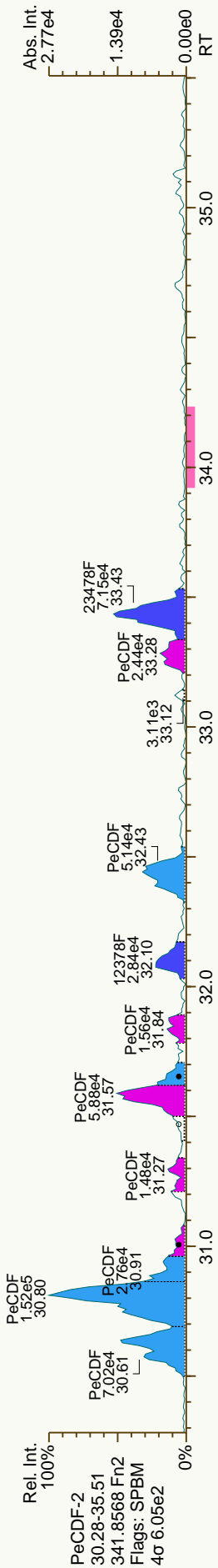
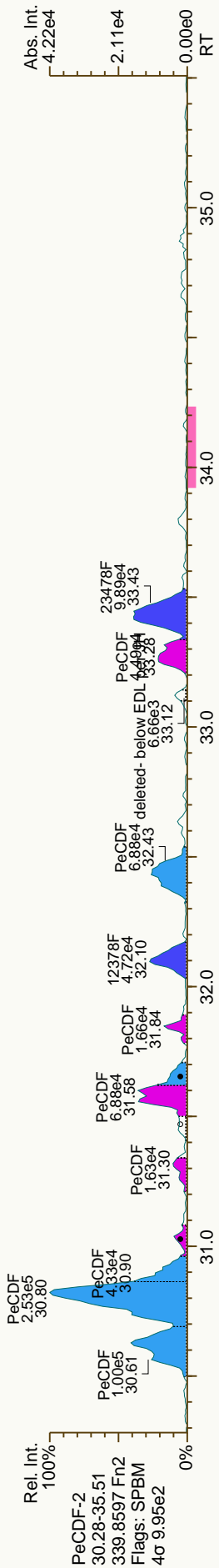


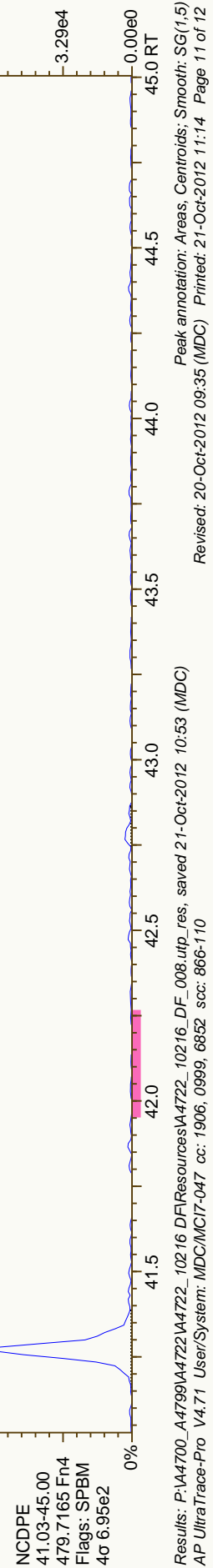
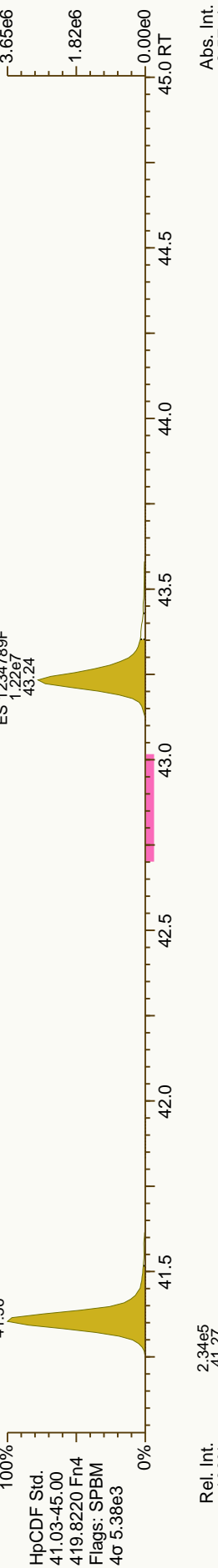
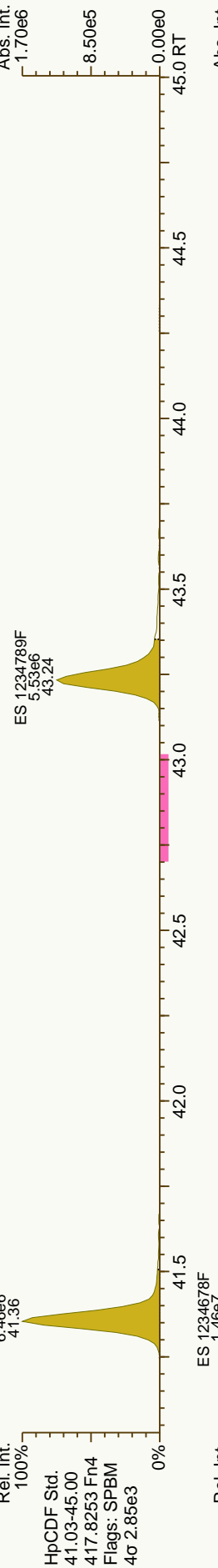
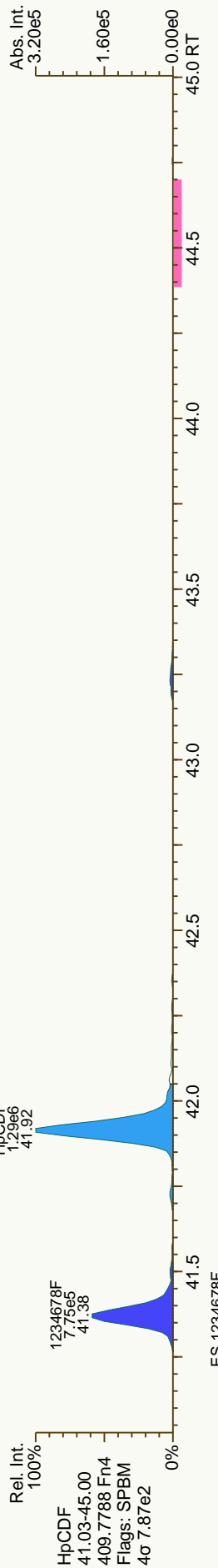
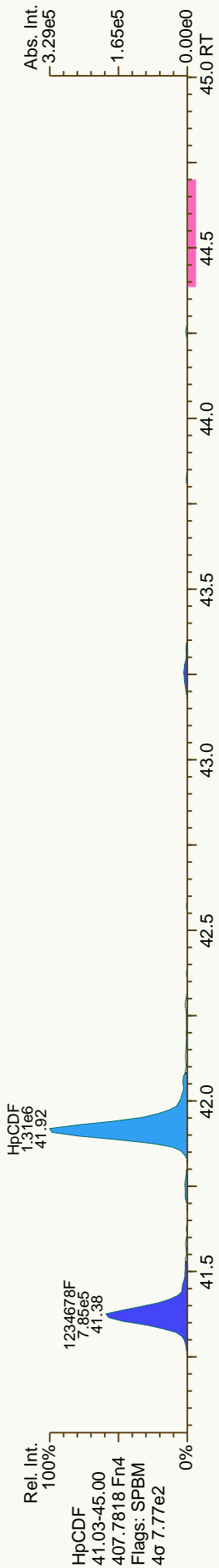


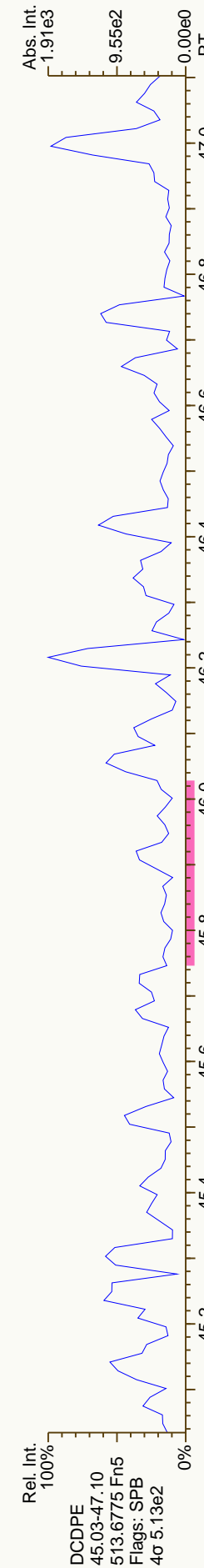
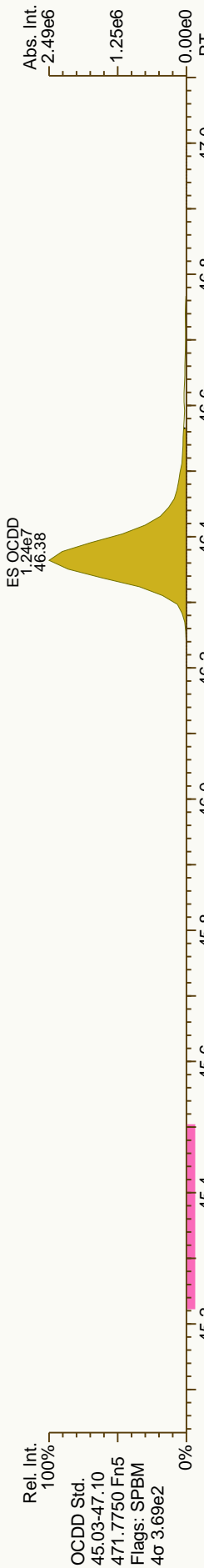
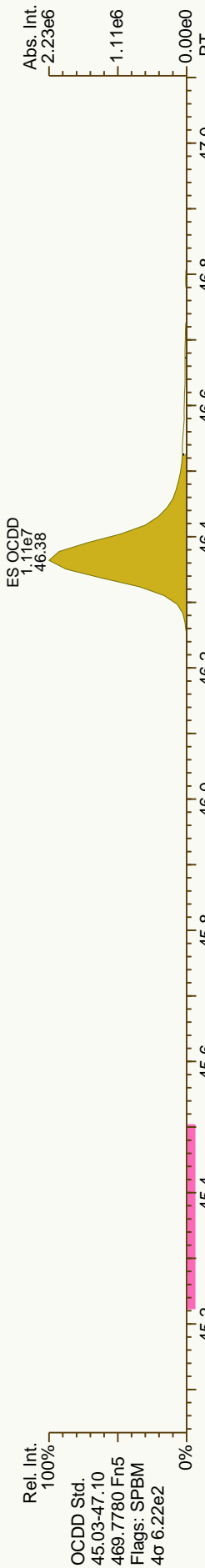
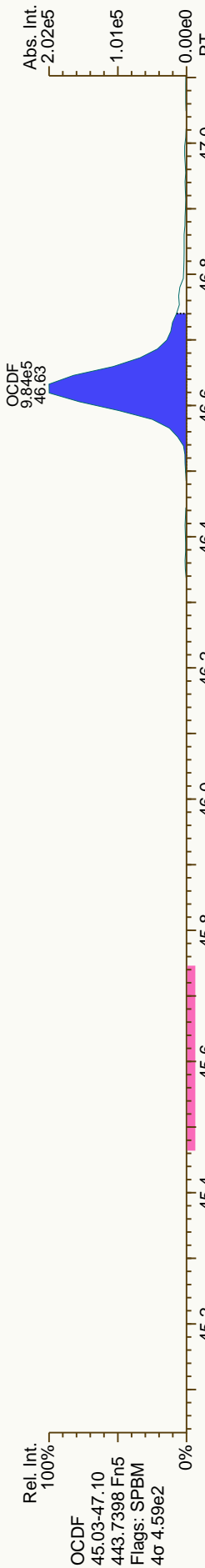
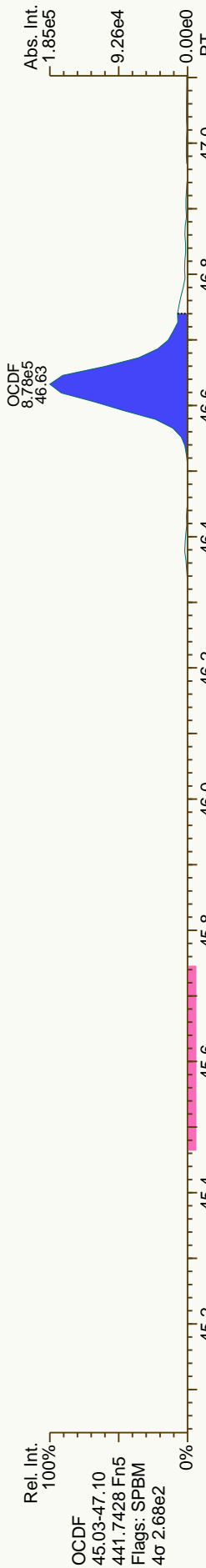












Quantify Sample Summary Report MassLynx 4.1
 ### Confirms Sample Summary ###
 Dataset: C:\MassLynx\Default.pro\Results\c31oct12b-Confirms.qld
 Last Altered: Thursday, November 01, 2012 16:02:41 Eastern Daylight Time
 Printed: Thursday, November 01, 2012 16:05:20 Eastern Daylight Time

A4722-10216-008

81203249

Method: C:\MassLynx\Default.PRO\MethDB\VF\Xms-TCDF_Smooth.mdb 01 Nov 2012 13:33:15
 Calibration: C:\MassLynx\Default.PRO\CurveDB\VF\Xms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Handwritten notes:
 2378-TCDF (100 PS/m) (20m) - 0.672 PS/g
 (6573) (11,218) (191,329)
 (830900) (11,218) (191,329)
 Rev. m/m 11/1/12

Name: c31oct12b-11
 Date: 31-Oct-2012
 Time: 20:08:09
 ID: 31203249008
 User: JHL
 Submitter:
 Task: HRMS3

Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RRT	RT	Conc	EDL	SNI	SN2	M	Height1	Noise1	Height2	Noise2	Smp S...	FV
2378-TCDF	6.573e3	2.989e3	3.584e3	0.83	NO	1.0006	20.99	0.672	0.0409	42.5	46.1	db	7.767e4	1827	9.064e4	1968	19.32	20
ES:13C-2378-TCDF	8.309e5	3.614e5	4.695e5	0.77	NO	1.0025	20.98	124.096	0.1304	2093.2	2817.5	bb	8.573e6	4096	1.123e7	3985	19.32	20
JS:13C-1234-TCDD	4.188e5	1.851e5	2.337e5	0.79	NO	0.0000	20.93	103.520	0.2201	997.7	1354.0	bb	4.285e6	4295	5.345e6	3947	19.32	20
Tetrafurans	-	2.075e4	-	-	-	-	-	5.275	0.0409	-	-	-	3.786e5	1827	-	-	19.32	20
F1 Lock Mass	-	-	-	-	-	-	-	-	-	-	-	-	-	94753	-	-	1.00	1

Quantify Sample Report MassLynx 4.1
Confirms Sample Summary

Dataset: C:\MassLynx\Default.pro\Results\c31oct12b-Confirms.qld

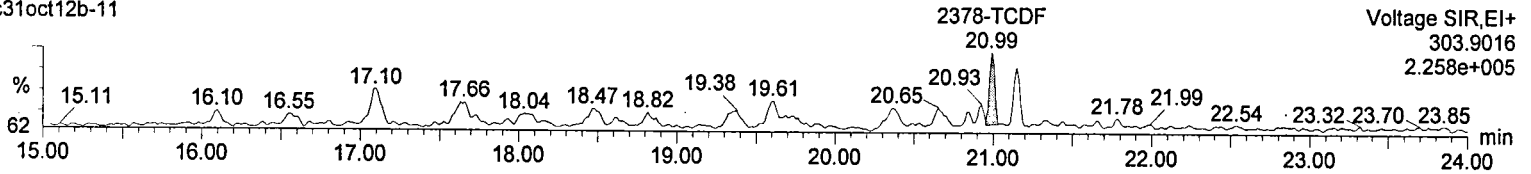
Last Altered: Thursday, 11/1/2012 11:23:28 AM Eastern Daylight Time
Printed: Thursday, 11/1/2012 11:24:51 AM Eastern Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\VFxms-TCDF_Smooth.mdb 31 Oct 2012 16:33:04
Calibration: C:\MassLynx\Default.PRO\CurveDB\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c31oct12b-11, ID: 31203249008

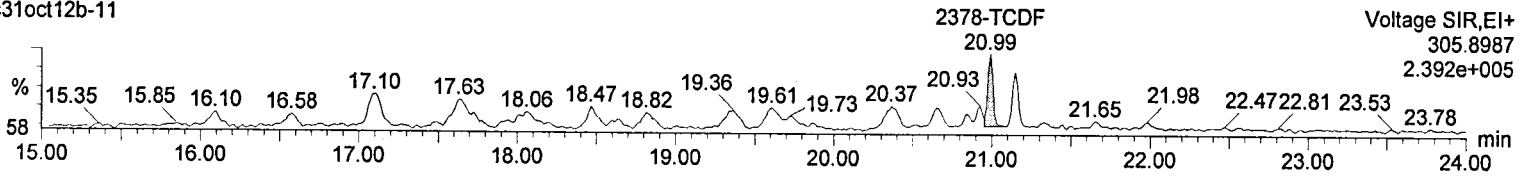
TCDF

c31oct12b-11



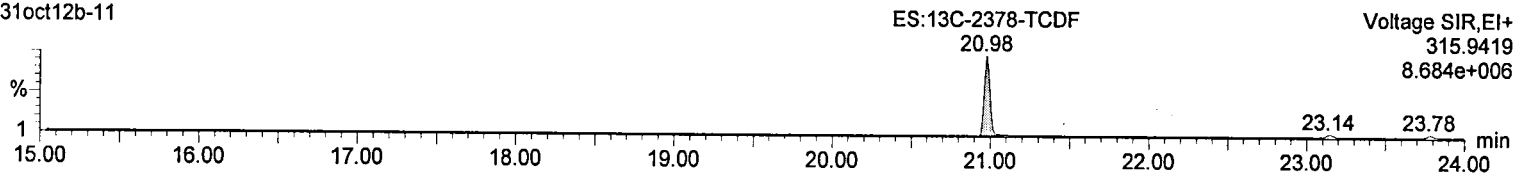
TCDF

c31oct12b-11



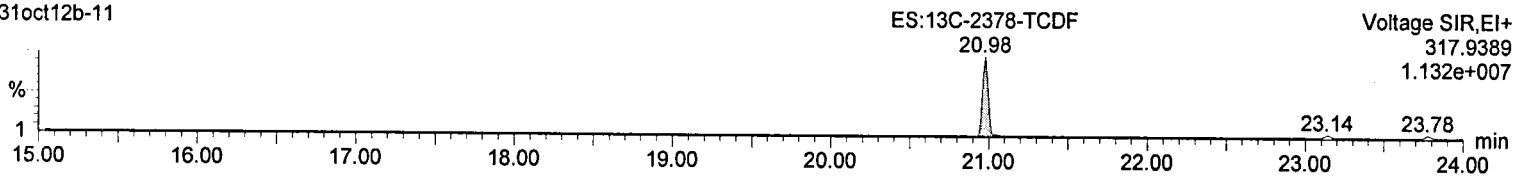
13C-TCDF

c31oct12b-11



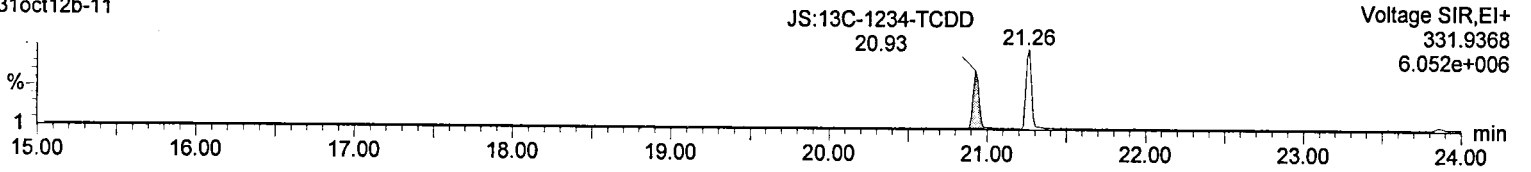
13C-TCDF

c31oct12b-11



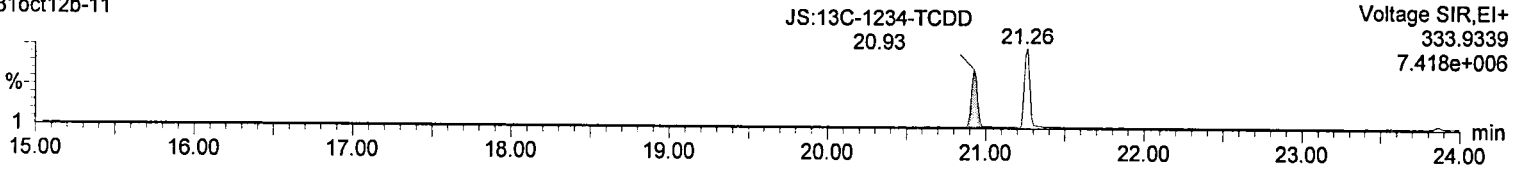
13C-TCDD

c31oct12b-11



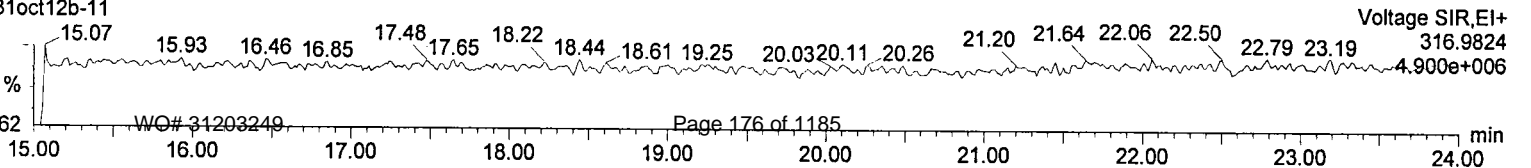
13C-TCDD

c31oct12b-11



F1 Lock Mass

c31oct12b-11



Results of JW-EA09-SS33-120507

Client Sample ID: JW-EA09-SS33-120507
 Client Project ID: Jeld-Wen Surface Sediments
 Lab Sample ID: 31203249008-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 13:24
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 52.00

Results by EPA 1668B

Parameter	Result	EMPC	Qual	DL	LOQ/CL	Units	RT	Ratio
1-MoCB	61.2			0.136	0.996	pg/g	10.44	3.22
2-MoCB	24.0			0.134	0.996	pg/g	12.29	3.36
3-MoCB	64.3			0.127	0.996	pg/g	12.45	3.23
4-DiCB	17.5			1.49	1.49	pg/g	12.67	1.50
5-DiCB	1.30			0.302	0.996	pg/g	15.09	
6-DiCB	14.6			0.719	0.996	pg/g	14.82	1.56
7-DiCB	3.64			0.675	0.996	pg/g	14.62	1.58
8-DiCB	70.2			0.696	0.996	pg/g	15.21	1.57
9-DiCB	4.85			0.767	0.996	pg/g	14.47	1.47
10-DiCB		1.31		1.06	1.06	pg/g	12.83	0.90*
11-DiCB	140			0.712	0.996	pg/g	17.38	1.57
12-DiCB C13	12.7			0.698	1.99	pg/g	17.65	1.55
14-DiCB	0.725		J	0.254	0.996	pg/g	16.66	
15-DiCB	73.2			0.656	0.996	pg/g	17.92	1.58
16-TrCB	33.6			0.310	0.996	pg/g	17.86	1.07
17-TrCB	37.2			0.226	0.996	pg/g	17.48	1.11
18-TrCB C30	73.6			0.192	1.99	pg/g	17.11	1.10
19-TrCB	4.41			0.244	0.996	pg/g	15.46	1.06
20-TrCB C28	246			0.216	1.99	pg/g	20.55	1.04
21-TrCB C33	88.9			0.213	1.99	pg/g	20.75	1.04
22-TrCB	67.4			0.227	0.996	pg/g	21.08	1.05
23-TrCB	ND		U	0.214	0.996	pg/g		
24-TrCB	0.860		J	0.170	0.996	pg/g	17.77	1.07
25-TrCB	15.8			0.213	0.996	pg/g	20.03	1.04
26-TrCB C29	29.8			0.211	1.99	pg/g	19.82	1.05
27-TrCB	6.16			0.166	0.996	pg/g	17.66	1.06
31-TrCB	181			0.204	0.996	pg/g	20.29	1.03
32-TrCB	27.8			0.159	0.996	pg/g	18.32	1.08
34-TrCB	0.954		J	0.226	0.996	pg/g	19.43	0.94
35-TrCB	7.17			0.226	0.996	pg/g	23.63	1.01
36-TrCB	2.17			0.210	0.996	pg/g	22.44	1.04
37-TrCB	85.4			0.216	0.996	pg/g	23.98	1.05
38-TrCB	ND		U	0.230	0.996	pg/g		
39-TrCB	1.03			0.199	0.996	pg/g	22.76	1.04
40-TeCB C71	84.9			0.123	1.99	pg/g	23.83	0.79
41-TeCB	14.1			0.166	0.996	pg/g	23.72	0.79
42-TeCB	48.5			0.136	0.996	pg/g	23.41	0.80
43-TeCB	5.80			0.163	0.996	pg/g	22.32	0.80
44-TeCB C47/65	214			0.122	2.99	pg/g	22.97	0.79
45-TeCB	15.9			0.144	0.996	pg/g	20.62	0.78
46-TeCB	6.14			0.157	0.996	pg/g	20.88	0.82
48-TeCB	31.5			0.129	0.996	pg/g	22.78	0.81

Results of JW-EA09-SS33-120507

Client Sample ID: **JW-EA09-SS33-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249008-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 13:24
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 52.00

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
49-TeCB C69	133			0.106	1.99	pg/g	22.54	0.79
50-TeCB C53	16.5			0.126	1.99	pg/g	20.04	0.79
51-TeCB	3.92			0.129	0.996	pg/g	20.70	0.82
52-TeCB	341			0.132	0.996	pg/g	22.12	0.80
54-TeCB	0.182		J	0.0845	0.996	pg/g	18.16	0.80
55-TeCB	3.82			0.266	0.996	pg/g	26.61	0.76
56-TeCB	120			0.275	0.996	pg/g	27.03	0.79
57-TeCB	0.932		J	0.256	0.996	pg/g	25.36	0.79
58-TeCB	0.942		J	0.255	0.996	pg/g	25.56	0.71
59-TeCB C62/75	14.8			0.0950	2.99	pg/g	23.25	0.79
60-TeCB	59.6			0.264	0.996	pg/g	27.22	0.78
61-TeCB C70/74/76	540			0.253	3.98	pg/g	26.21	0.78
63-TeCB	9.22			0.233	0.996	pg/g	25.92	0.76
64-TeCB	84.9			0.0885	0.996	pg/g	24.02	0.79
66-TeCB	306			0.266	0.996	pg/g	26.48	0.79
67-TeCB	8.35			0.248	0.996	pg/g	25.70	0.78
68-TeCB	2.16			0.236	0.996	pg/g	25.00	0.78
72-TeCB	3.68			0.256	0.996	pg/g	24.75	0.80
73-TeCB	0.553		J	0.0940	0.996	pg/g	22.24	0.89
77-TeCB	34.1			0.256	0.996	pg/g	30.18	0.79
78-TeCB	ND		U	0.286	0.996	pg/g		
79-TeCB	3.49			0.243	0.996	pg/g	28.86	0.74
80-TeCB	ND		U	0.230	0.996	pg/g		
81-TeCB		1.00		0.263	0.996	pg/g	29.71	0.96*
82-PeCB	50.9			0.224	0.996	pg/g	29.86	0.61
83-PeCB	26.9			0.232	0.996	pg/g	28.34	0.59
84-PeCB	103			0.217	0.996	pg/g	26.36	0.61
85-PeCB C116	72.6			0.147	1.99	pg/g	29.47	0.62
86-PeCB C108/119/125/87/97	310			0.160	5.98	pg/g	28.90	0.62
88-PeCB	ND		U	0.190	0.996	pg/g		
89-PeCB	3.57			0.199	0.996	pg/g	26.76	0.63
90-PeCB C101/113	480			0.162	2.99	pg/g	27.95	0.62
91-PeCB	50.0			0.171	0.996	pg/g	26.18	0.62
92-PeCB	83.9			0.191	0.996	pg/g	27.46	0.61
93-PeCB C100	2.92			0.175	1.99	pg/g	25.65	0.63
94-PeCB	1.48			0.193	0.996	pg/g	25.07	0.65
95-PeCB	279			0.182	0.996	pg/g	25.45	0.61
96-PeCB	2.04			0.127	0.996	pg/g	23.22	0.60
98-PeCB		0.598	J	0.188	0.996	pg/g	25.83	0.51*
99-PeCB	238			0.163	0.996	pg/g	28.45	0.62
102-PeCB	9.72			0.177	0.996	pg/g	25.76	0.62
103-PeCB	3.35			0.167	0.996	pg/g	24.90	0.59

Results of **JW-EA09-SS33-120507**

Client Sample ID: **JW-EA09-SS33-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249008-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 13:24
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 52.00

Results by **EPA 1668B**

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
104-PeCB	ND		U	0.0963	0.996	pg/g		
105-PeCB	220			0.152	0.996	pg/g	33.12	0.61
106-PeCB	ND		U	0.151	0.996	pg/g		
107-PeCB C124	17.4			0.143	1.99	pg/g	31.56	0.58
109-PeCB	36.2			0.135	0.996	pg/g	31.77	0.63
111-PeCB	ND		U	0.133	0.996	pg/g		
110-PeCB	602			0.155	0.996	pg/g	29.60	0.62
112-PeCB	ND		U	0.138	0.996	pg/g		
114-PeCB	10.6			0.144	0.996	pg/g	32.59	0.64
115-PeCB	7.51			0.128	0.996	pg/g	29.70	0.62
117-PeCB	14.6			0.176	0.996	pg/g	29.40	0.61
118-PeCB	526			0.142	0.996	pg/g	32.14	0.62
120-PeCB	2.36			0.135	0.996	pg/g	30.62	0.61
121-PeCB	ND		U	0.131	0.996	pg/g		
122-PeCB	5.77			0.165	0.996	pg/g	32.42	0.62
123-PeCB	6.96			0.132	0.996	pg/g	31.87	0.62
126-PeCB	2.11			0.226	0.996	pg/g	35.72	0.67
127-PeCB	ND		U	0.156	0.996	pg/g		
128-HxCB C166	91.2			0.315	1.99	pg/g	35.81	1.21
129-HxCB C138/163	528			0.112	2.99	pg/g	34.76	1.26
130-HxCB	33.5			0.140	0.996	pg/g	34.21	1.28
131-HxCB	5.63			0.136	0.996	pg/g	31.83	1.19
132-HxCB	141			0.130	0.996	pg/g	32.21	1.24
133-HxCB	8.32			0.128	0.996	pg/g	32.66	1.24
134-HxCB	24.8			0.150	0.996	pg/g	31.32	1.24
135-HxCB C151	121			0.121	1.99	pg/g	30.40	1.29
136-HxCB	45.1			0.0913	0.996	pg/g	28.34	1.26
137-HxCB	22.4			0.124	0.996	pg/g	34.40	1.21
139-HxCB C140	8.99			0.115	1.99	pg/g	31.67	1.31
141-HxCB	65.8			0.122	0.996	pg/g	33.87	1.28
142-HxCB	ND		U	0.135	0.996	pg/g		
143-HxCB	1.34			0.120	0.996	pg/g	31.41	1.18
144-HxCB	16.8			0.117	0.996	pg/g	30.87	1.26
145-HxCB	ND		U	0.0891	0.996	pg/g		
146-HxCB	55.8			0.113	0.996	pg/g	33.20	1.27
147-HxCB C149	309			0.117	1.99	pg/g	31.16	1.25
148-HxCB	0.940		J	0.118	0.996	pg/g	29.90	1.22
150-HxCB		0.559	J	0.0832	0.996	pg/g	28.06	1.54*
152-HxCB		0.334	J	0.0863	0.996	pg/g	27.91	1.54*
153-HxCB C168	366			0.0879	1.99	pg/g	33.72	1.26
154-HxCB	6.93			0.105	0.996	pg/g	30.62	1.32
155-HxCB	ND		U	0.0749	0.996	pg/g		

Results of JW-EA09-SS33-120507

Client Sample ID: **JW-EA09-SS33-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249008-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 13:24
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 52.00

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
156-HxCB C157	65.0			0.335	1.99	pg/g	38.24	1.26
158-HxCB	48.2			0.0862	0.996	pg/g	35.09	1.27
159-HxCB	ND		U	0.273	0.996	pg/g		
160-HxCB	ND		U	0.0983	0.996	pg/g		
161-HxCB	ND		U	0.0923	0.996	pg/g		
162-HxCB	1.99			0.263	0.996	pg/g	36.90	1.13
164-HxCB	29.0			0.0857	0.996	pg/g	34.49	1.25
165-HxCB	ND		U	0.101	0.996	pg/g		
167-HxCB	19.5			0.245	0.996	pg/g	37.29	1.27
169-HxCB	ND		U	0.316	0.996	pg/g		
170-HpCB	82.7			0.322	0.996	pg/g	40.46	1.06
171-HpCB C173	25.0			0.272	1.99	pg/g	37.50	1.07
172-HpCB	15.7			0.329	0.996	pg/g	38.87	1.04
174-HpCB	71.4			0.267	0.996	pg/g	36.60	1.05
175-HpCB	3.33			0.249	0.996	pg/g	35.68	1.13
176-HpCB	8.52			0.0971	0.996	pg/g	33.59	1.05
177-HpCB	51.2			0.277	0.996	pg/g	36.97	1.05
178-HpCB	19.8			0.143	0.996	pg/g	35.14	1.09
179-HpCB	36.1			0.107	0.996	pg/g	32.85	1.07
180-HpCB C193	181			0.258	1.99	pg/g	39.42	1.06
181-HpCB	0.894		J	0.238	0.996	pg/g	37.32	0.92
182-HpCB	0.716		J	0.225	0.996	pg/g	36.07	1.15
183-HpCB	42.4			0.214	0.996	pg/g	36.42	1.05
184-HpCB		0.176	J	0.107	0.996	pg/g	33.32	1.23*
185-HpCB	7.69			0.245	0.996	pg/g	36.49	1.05
186-HpCB	ND		U	0.103	0.996	pg/g		
187-HpCB	116			0.233	0.996	pg/g	35.91	1.04
188-HpCB	0.293		J	0.0943	0.996	pg/g	32.58	1.05
189-HpCB	3.51			0.164	0.996	pg/g	43.09	1.01
190-HpCB	13.6			0.240	0.996	pg/g	40.91	1.00
191-HpCB	3.54			0.240	0.996	pg/g	39.72	0.98
192-HpCB	ND		U	0.250	0.996	pg/g		
194-OcCB	50.2			0.326	0.996	pg/g	44.85	0.93
195-OcCB	15.7			0.350	0.996	pg/g	42.87	0.92
196-OcCB	23.7			0.279	0.996	pg/g	41.61	0.90
197-OcCB	5.22			0.190	0.996	pg/g	38.66	0.93
198-OcCB C199	68.5			0.290	1.99	pg/g	41.06	0.93
200-OcCB	ND		U	0.209	0.996	pg/g		
201-OcCB	8.05			0.197	0.996	pg/g	37.86	0.93
202-OcCB	17.5			0.212	0.996	pg/g	37.08	0.87
203-OcCB	44.6			0.265	0.996	pg/g	41.78	0.89
204-OcCB	ND		U	0.208	0.996	pg/g		

Results of JW-EA09-SS33-120507

Client Sample ID: **JW-EA09-SS33-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249008-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 13:24
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 52.00

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
205-OcCB	1.70			0.242	0.996	pg/g	45.24	0.96
206-NoCB	43.1			0.249	0.996	pg/g	46.69	0.75
207-NoCB	5.58			0.192	0.996	pg/g	43.46	0.75
208-NoCB	13.0			0.176	0.996	pg/g	42.68	0.74
209-DeCB	21.4			0.294	0.996	pg/g	48.03	1.16
Total Monochlorobiphenyls	149			0.132		pg/g		
Total Dichlorobiphenyls	340			1.07		pg/g		
Total Trichlorobiphenyls	909			0.230		pg/g		
Total Tetrachlorobiphenyls	2110			0.172		pg/g		
Total Pentachlorobiphenyls	3170			0.149		pg/g		
Total Hexachlorobiphenyls	2020			0.243		pg/g		
Total Heptachlorobiphenyls	683			0.209		pg/g		
Total Octachlorobiphenyls	235			0.227		pg/g		
Total Nonachlorobiphenyls	61.7			0.213		pg/g		
Total Decachlorobiphenyl	21.4			0.294		pg/g		
Total PCBs	9700			1.07		pg/g		

World Health Organization Summary

	<u>Units</u>	<u>ND=0</u>	<u>ND=½</u>	<u>ND=DL</u>
WHO-2005 TEQ	pg/g	0.240	0.245	0.250
WHO-2005 TEQ w/EMPC	pg/g	0.240	0.245	0.250

Results of JW-EA09-SS33-120507

Client Sample ID: **JW-EA09-SS33-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249008-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 13:24
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 52.00

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
1L-MoCB	58.0				4.00-100	%		
3L-MoCB	73.0				11.0-106	%		
4L-DiCB	85.0				14.0-107	%		
15L-DiCB	92.0				19.0-107	%		
19L-TrCB	87.0				1.00-108	%		
37L-TrCB	96.0				25.0-123	%		
54L-TeCB	112*				13.0-105	%		
77L-TeCB	90.0				31.0-109	%		
81L-TeCB	95.0				14.0-127	%		
104L-PeCB	108				36.0-115	%		
105L-PeCB	88.0				50.0-111	%		
114L-PeCB	84.0				41.0-121	%		
118L-PeCB	90.0				49.0-111	%		
123L-PeCB	94.0				49.0-116	%		
126L-PeCB	88.0				50.0-106	%		
155L-HxCB	106				25.0-124	%		
156L-HxCB C157L	80.0				40.0-120	%		
167L-HxCB	79.0				45.0-118	%		
169L-HxCB	68.0				37.0-117	%		
188L-HpCB	103				23.0-125	%		
189L-HpCB	106				47.0-116	%		
202L-OcCB	85.0				31.0-134	%		
205L-OcCB	108				46.0-115	%		
206L-NoCB	117				38.0-122	%		
208L-NoCB	108				31.0-126	%		
209L-DeCB	103				43.0-115	%		
28L-TrCB	103				14.0-131	%		
111L-PeCB	105				57.0-112	%		
178L-HpCB	109				57.0-125	%		

Batch Information

Analytical Batch: **HRP1313**
 Analytical Method: **EPA 1668B**
 Instrument: **APHRMS**
 Analyst: **LKB**
 Analytical Date/Time: **10/17/2012 07:31**

Prep Batch: **HXX1803**
 Prep Method: **EPA 1668B PREP S/D/T**
 Prep Date/Time: **10/10/2012 10:29**
 Prep Initial Wt./Vol.: **19.32 g**
 Prep Extract Vol: **20 uL**



Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77	33'44'-TeCB		1.0006	1.0006	0	7.76E+06	0.79	1.13	34.1	5.68E+03	0.256
PCB-81	344'5'-TeCB	EMPC	1.0006	1.0006	0	2.27E+05	0.96	1.13	1	5.68E+03	0.263
PCB-105	233'44'-PeCB		1.0007	1.0007	0	3.61E+07	0.61	1.09	220	2.34E+03	0.152
PCB-114	2344'5'-PeCB		1.0007	1.0007	0	1.78E+06	0.64	1.16	10.6	2.34E+03	0.144
PCB-118	23'44'5'-PeCB		1.0008	1.0007	-0.2	9.24E+07	0.62	1.11	526	2.34E+03	0.142
PCB-123	23'44'5'-PeCB		1.0006	1.0008	+0.4	1.31E+06	0.62	1.19	6.96	2.34E+03	0.132
PCB-126	33'44'5'-PeCB		1.0006	1.0005	-0.2	3.24E+05	0.67	1.06	2.11	3.33E+03	0.226
PCB-156/157	...-HxCB	C	1.0005	1.0002	-0.7	9.06E+06	1.26	1.11	65	3.30E+03	0.335
PCB-167	23'44'55'-HxCB		1.0006	1.0005	-0.2	2.85E+06	1.27	1.14	19.5	3.30E+03	0.245
PCB-169	33'44'55'-HxCB	NotFnd	1.0005	-		0.00E+00		1.11	ND	3.30E+03	0.316
PCB-189	233'44'55'-HpCB		1.0005	1.0005	0	4.22E+05	1.01	1.06	3.51	1.78E+03	0.164
PCB-209	DeCB		1.0004	1.0004	0	1.71E+06	1.16	1.07	21.4	1.69E+03	0.294
ES PCB-1	10.43		0.7215	0.7216	+0.1	3.81E+07	3.24	1.08	57.8 %	25 %	150 %
ES PCB-3	12.44		0.8610	0.8609	-0.1	4.79E+07	3.20	1.08	72.5 %	25 %	150 %
ES PCB-4	12.65		0.8755	0.8755	0	2.52E+07	1.62	0.49	84.7 %	25 %	150 %
ES PCB-15	17.91		1.2391	1.2391	0	6.24E+07	1.58	1.11	92.1 %	25 %	150 %
ES PCB-19	15.44		1.0683	1.0685	+0.2	2.92E+07	1.06	0.55	86.5 %	25 %	150 %
ES PCB-37	23.96		1.0844	1.0843	-0.1	5.16E+07	1.07	1.64	95.8 %	25 %	150 %
ES PCB-54	18.14		0.8213	0.8212	-0.1	3.48E+07	0.76	0.94	112 %	25 %	150 %
ES PCB-77	30.16		1.3648	1.3650	+0.4	3.99E+07	0.79	1.35	90 %	25 %	150 %
ES PCB-81	29.69		1.3435	1.3438	+0.5	4.01E+07	0.78	1.29	94.7 %	25 %	150 %
ES PCB-104	22.91		0.8203	0.8201	-0.3	2.96E+07	1.59	0.99	108 %	25 %	150 %
ES PCB-105	33.09		1.1849	1.1849	0	2.98E+07	1.59	1.23	88.1 %	25 %	150 %
ES PCB-114	32.57		1.1658	1.1660	+0.4	2.89E+07	1.65	1.25	84.4 %	25 %	150 %
ES PCB-118	32.12		1.1499	1.1500	+0.2	3.16E+07	1.61	1.28	89.9 %	25 %	150 %
ES PCB-123	31.84		1.1399	1.1401	+0.4	3.15E+07	1.61	1.22	94.3 %	25 %	150 %
ES PCB-126	35.71		1.2781	1.2784	+0.6	2.88E+07	1.62	1.20	87.5 %	25 %	150 %
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	27.75		0.7992	0.7990	-0.3	3.43E+07	1.25	1.50	106 %	25 %	150 %
ES PCB-156/157	38.23		1.1007	1.1007	0	5.01E+07	1.33	1.45	79.8 %	25 %	150 %
ES PCB-167	37.27		1.0731	1.0732	+0.2	2.56E+07	1.33	1.49	79.2 %	25 %	150 %
ES PCB-169	40.96		1.1789	1.1792	+0.7	2.07E+07	1.32	1.40	68.3 %	25 %	150 %
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	32.56		0.7266	0.7264	-0.4	2.63E+07	1.05	1.18	103 %	25 %	150 %
ES PCB-189	43.07		0.9608	0.9608	0	2.27E+07	1.07	1.49	106 %	25 %	150 %
ES PCB-202	37.06		0.8271	0.8268	-0.7	2.09E+07	0.91	1.14	85 %	25 %	150 %
ES PCB-205	45.22		1.0088	1.0088	0	1.87E+07	0.90	1.20	108 %	25 %	150 %

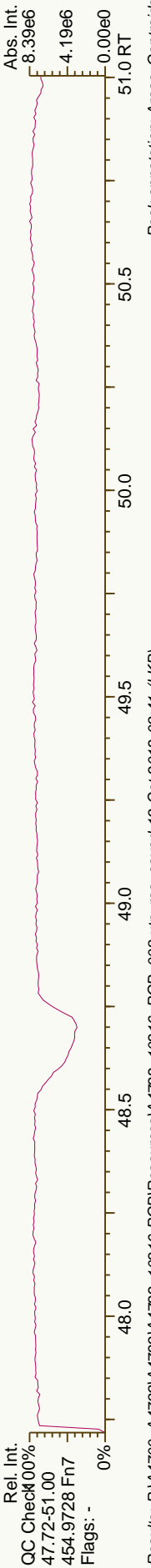
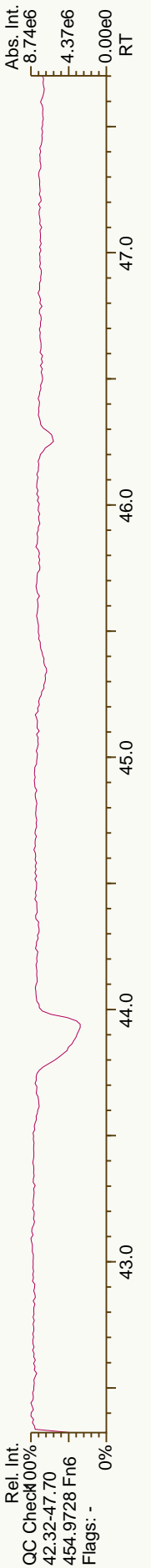
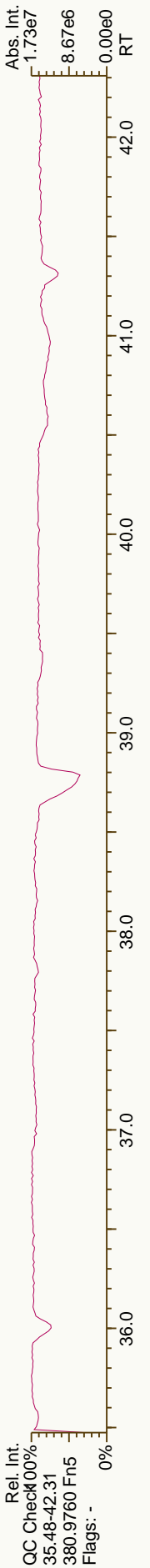
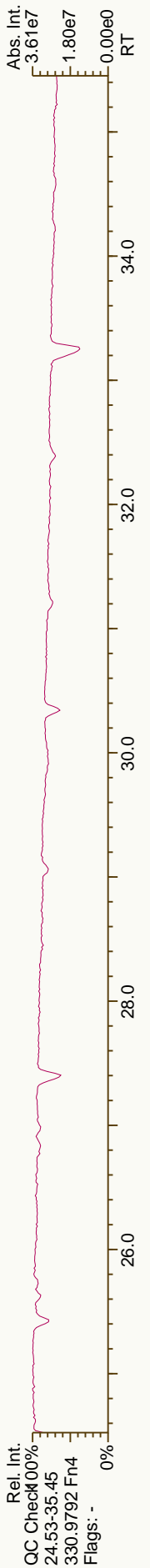
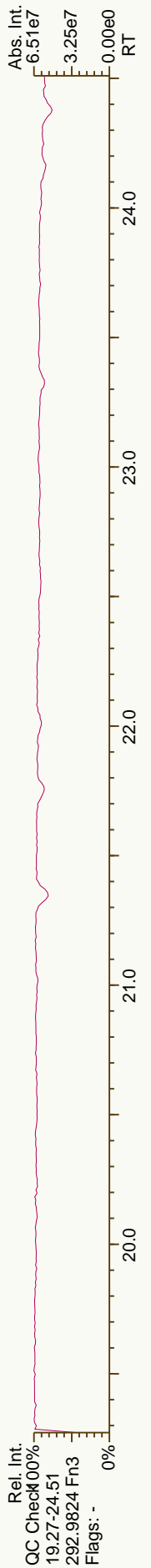
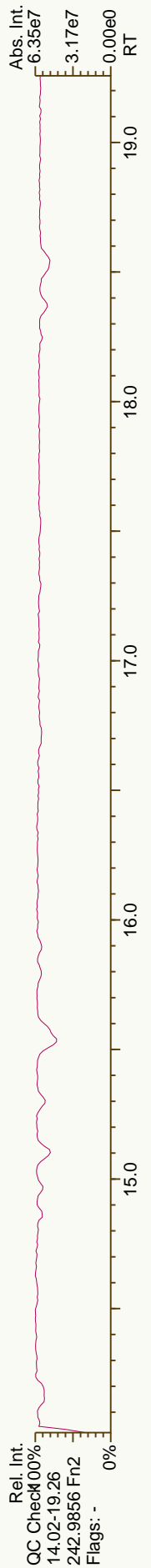
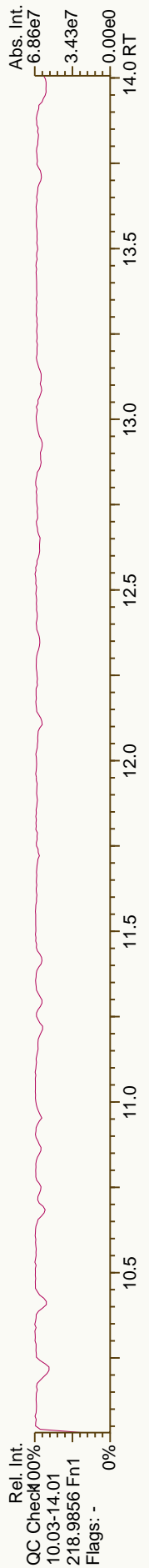
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	46.68		1.0414	1.0413	-0.3	1.47E+07	0.82	0.87	117 %	25 %	150 %
ES PCB-208	42.66		0.9519	0.9517	-0.5	1.86E+07	0.77	1.19	108 %	25 %	150 %
ES PCB-209	48.01		1.0714	1.0711	-0.9	1.48E+07	1.17	1.00	103 %	25 %	150 %
SS PCB-28	20.53		0.9294	0.9293	-0.1	5.93E+07	1.07	1.07	107 %	30 %	135 %
SS PCB-111	30.21		1.0814	1.0816	+0.4	3.53E+07	1.61	1.01	111 %	30 %	135 %
SS PCB-178	35.12		1.0112	1.0112	0	1.74E+07	1.07	0.63	106 %	30 %	135 %
CS PCB-28	20.53		0.9294	0.9293	-0.1	5.93E+07	1.07	1.76	103 %	30 %	135 %
CS PCB-111	30.21		1.0814	1.0816	+0.4	3.53E+07	1.61	1.23	105 %	30 %	135 %
CS PCB-178	35.12		1.0112	1.0112	0	1.74E+07	1.07	0.74	109 %	30 %	135 %
JS PCB-9	14.45					6.10E+07	1.56				
JS PCB-52	22.09					3.29E+07	0.77				
JS PCB-101	27.93					2.74E+07	1.59				
JS PCB-138	34.73					2.16E+07	1.27				
JS PCB-194	44.83					1.44E+07	0.89				
Totals											
Mono-CBS						149			149		0.132
Di-CBS						339			340		1.07
Tri-CBS						909			909		0.23
Tetra-CBS						2,110			2,110		0.172
Penta-CBS						3,170			3,170		0.149
Hexa-CBS						2,010			2,020		0.243
Hepta-CBS						683			683		0.209
Octa-CBS						235			235		0.227
Nona-CBS						61.7			61.7		0.213
PCB-1 2-MoCB	10.44		1.0011	1.0011	0	1.21E+07	3.22	1.03	61.2	4.77E+03	0.136
PCB-2 3-MoCB	12.29		0.9880	0.9879	-0.1	5.74E+06	3.36	1.00	24	4.77E+03	0.134
PCB-3 4-MoCB	12.45		1.0009	1.0010	+0.1	1.61E+07	3.23	1.04	64.3	4.77E+03	0.127
PCB-4 22'-DiCB	12.67		1.0011	1.0012	+0.1	2.59E+06	1.50	1.17	17.5	3.21E+04	1.49
PCB-10 26'-DiCB	12.83	EMPC	1.0140	1.0139	-0.1	2.72E+05	0.90	1.64	1.31	3.21E+04	1.06
PCB-9 25'-DiCB	14.47		1.0010	1.0010	0	1.41E+06	1.47	0.92	4.85	2.43E+04	0.767
PCB-7 24'-DiCB	14.62		1.0115	1.0114	-0.1	1.20E+06	1.58	1.05	3.64	2.43E+04	0.675
PCB-6 23'-DiCB	14.82		1.0256	1.0255	-0.1	4.50E+06	1.56	0.99	14.6	2.43E+04	0.719
PCB-5 23'-DiCB	15.09		1.0444	1.0444	0	4.00E+05	SI	0.98	1.3	1.02E+04	0.302
PCB-8 24'-DiCB	15.21		1.0523	1.0523	0	2.24E+07	1.57	1.02	70.2	2.43E+04	0.696
PCB-14 35'-DiCB	16.66	J	0.9302	0.9301	-0.1	2.66E+05	SI	1.17	0.725	1.02E+04	0.254
PCB-11 33'-DiCB	17.38		0.9709	0.9707	-0.2	4.38E+07	1.57	1.00	140	2.43E+04	0.712
PCB-13/12 34'/34'-DiCB	17.65	C	0.9859	0.9854	-0.5	4.03E+06	1.55	1.02	12.7	2.43E+04	0.698
PCB-15 44'-DiCB	17.92		1.0008	1.0009	+0.1	2.48E+07	1.58	1.08	73.2	2.43E+04	0.656

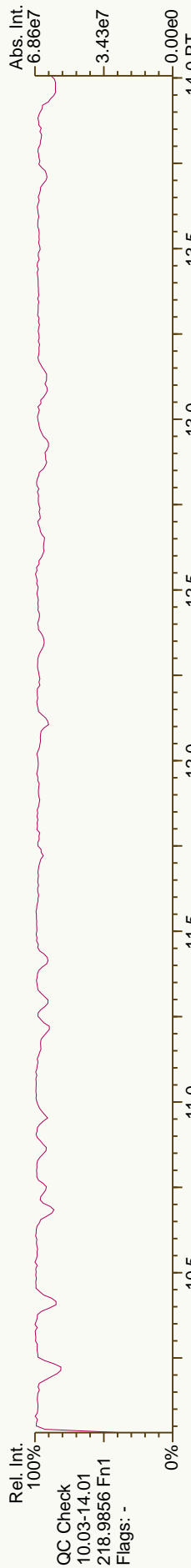
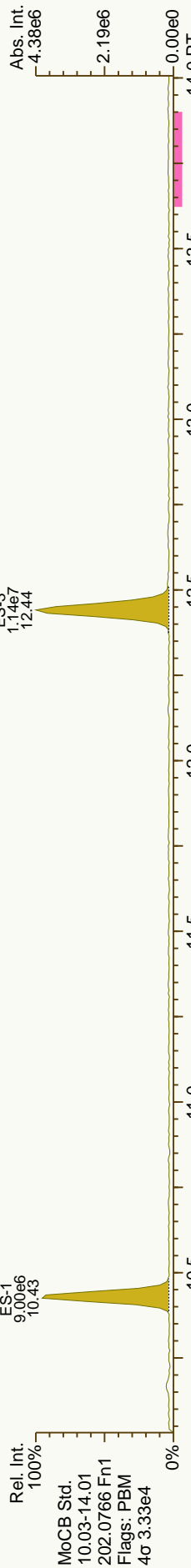
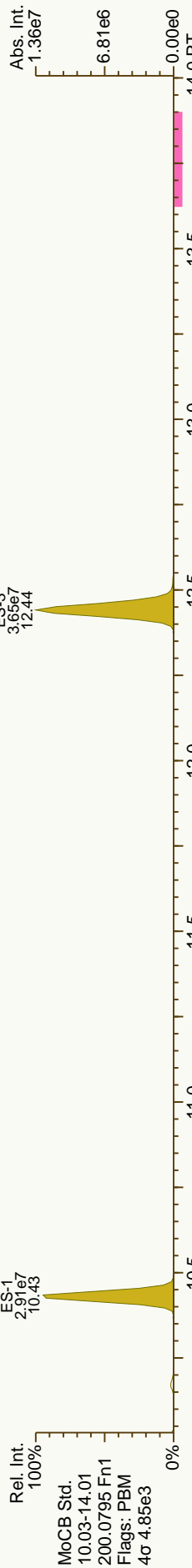
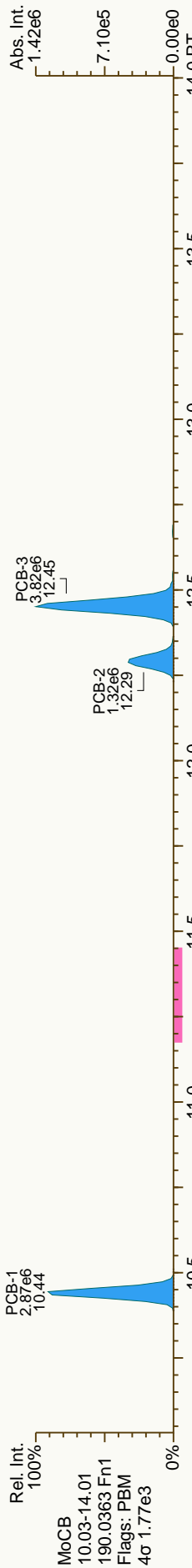
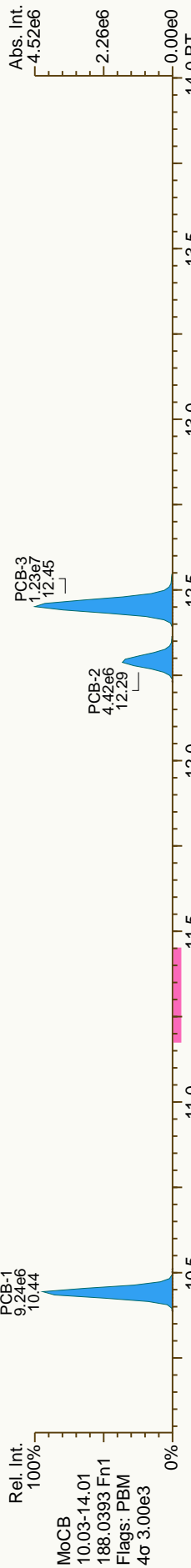
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6"-TrCB	15.46		1.0011	1.0011	0	7.07E+05	1.06	1.09	4.41	4.88E+03	0.244
PCB-30/18 246/22'5"-TrCB	17.11	C	1.1077	1.1080	+0.3	1.50E+07	1.10	1.39	73.6	4.88E+03	0.192
PCB-17 22'4"-TrCB	17.48		1.1317	1.1318	+0.1	6.45E+06	1.11	1.18	37.2	4.88E+03	0.226
PCB-27 23'6"-TrCB	17.66		1.1435	1.1435	0	1.45E+06	1.06	1.61	6.16	4.88E+03	0.166
PCB-24 236"-TrCB	17.77	J	1.1514	1.1509	-0.5	1.98E+05	1.07	1.57	0.86	4.88E+03	0.17
PCB-16 22'3"-TrCB	17.86		1.1568	1.1567	-0.1	4.24E+06	1.07	0.86	33.6	4.88E+03	0.31
PCB-32 24'6"-TrCB	18.32		1.1866	1.1865	-0.1	6.87E+06	1.08	1.68	27.8	4.88E+03	0.159
PCB-34 23'5"-TrCB	19.43	J	0.8111	0.8112	+0.1	2.61E+05	0.94	1.06	0.954	6.20E+03	0.226
PCB-23 235"-TrCB	NotFnd		0.8168	-		0.00E+00		1.11	ND	6.20E+03	0.214
PCB-26/29 23'5"/245"-TrCB	19.82	C	0.8282	0.8274	-1.0	8.72E+06	1.05	1.13	29.8	6.20E+03	0.211
PCB-25 23'4"-TrCB	20.03		0.8361	0.8359	-0.2	4.58E+06	1.04	1.12	15.8	6.20E+03	0.213
PCB-31 24'5"-TrCB	20.29		0.8472	0.8471	-0.1	5.50E+07	1.03	1.17	181	6.20E+03	0.204
PCB-28/20 244'/233'-TrCB	20.55	C	0.8581	0.8578	-0.4	7.04E+07	1.04	1.10	246	6.20E+03	0.216
PCB-21/33 234/23'4"-TrCB	20.75	C	0.8650	0.8661	+1.4	2.58E+07	1.04	1.12	88.9	6.20E+03	0.213
PCB-22 234'-TrCB	21.08		0.8802	0.8801	-0.1	1.84E+07	1.05	1.05	67.4	6.20E+03	0.227
PCB-36 33'5"-TrCB	22.44		0.9366	0.9368	+0.3	6.41E+05	1.04	1.14	2.17	6.20E+03	0.21
PCB-39 34'5"-TrCB	22.76		0.9494	0.9500	+0.8	3.20E+05	1.04	1.20	1.03	6.20E+03	0.199
PCB-38 345"-TrCB	NotFnd		0.9701	-		0.00E+00		1.04	ND	6.20E+03	0.23
PCB-35 33'4"-TrCB	23.63		0.9865	0.9865	0	1.96E+06	1.01	1.06	7.17	6.20E+03	0.226
PCB-37 344'-TrCB	23.98		1.0007	1.0008	+0.1	2.44E+07	1.05	1.10	85.4	6.20E+03	0.216
PCB-54 22'66"-TeCB	18.16	J	1.0010	1.0009	-0.1	3.84E+04	0.80	1.21	0.182	2.05E+03	0.0845
PCB-50/53 22'46'/22'56"-TeCB	20.04	C	0.9082	0.9070	-1.4	2.73E+06	0.79	0.82	16.5	1.99E+03	0.126
PCB-45 22'36"-TeCB	20.62		0.9329	0.9331	+0.2	2.31E+06	0.78	0.72	15.9	1.99E+03	0.144
PCB-51 22'46'-TeCB	20.70		0.9363	0.9367	+0.5	6.34E+05	0.82	0.80	3.92	1.99E+03	0.129
PCB-46 22'36'-TeCB	20.88		0.9450	0.9449	-0.1	8.14E+05	0.82	0.66	6.14	1.99E+03	0.157
PCB-52 22'55'-TeCB	22.12		1.0010	1.0010	0	5.39E+07	0.80	0.78	341	1.99E+03	0.132
PCB-73 23'5'6"-TeCB	22.24	J	1.0065	1.0066	+0.1	1.23E+05	0.89	1.10	0.553	1.99E+03	0.094
PCB-43 22'35"-TeCB	22.32		1.0102	1.0103	+0.1	7.41E+05	0.80	0.63	5.8	1.99E+03	0.163
PCB-69/49 23'46'/22'45"-TeCB	22.54	C	1.0192	1.0201	+1.2	2.62E+07	0.79	0.98	133	1.99E+03	0.106
PCB-48 22'45"-TeCB	22.78		1.0311	1.0311	0	5.09E+06	0.81	0.80	31.5	1.99E+03	0.129
PCB-44/47/65 ...-TeCB	22.97	C	1.0405	1.0395	-1.4	3.66E+07	0.79	0.85	214	1.99E+03	0.122
PCB-59/62/75 ...-TeCB	23.25	C	1.0526	1.0524	-0.3	3.25E+06	0.79	1.09	14.8	1.99E+03	0.095
PCB-42 22'34"-TeCB	23.41		1.0595	1.0595	0	7.46E+06	0.80	0.76	48.5	1.99E+03	0.136
PCB-41 22'34"-TeCB	23.72		1.0737	1.0738	+0.1	1.77E+06	0.79	0.62	14.1	1.99E+03	0.166
PCB-71/40 23'4'6'/22'33'-TeCB	23.83	C	1.0782	1.0784	+0.3	1.44E+07	0.79	0.84	84.9	1.99E+03	0.123
PCB-64 234'6"-TeCB	24.02		1.0872	1.0872	0	2.00E+07	0.79	1.17	84.9	1.99E+03	0.0885
PCB-72 23'55'-TeCB	24.75		0.8338	0.8338	0	8.57E+05	0.80	1.16	3.68	5.68E+03	0.256
PCB-68 23'45'-TeCB	25.00		0.8421	0.8420	-0.1	5.47E+05	0.78	1.26	2.16	5.68E+03	0.236
PCB-57 233'5"-TeCB	25.36	J	0.8540	0.8541	+0.2	2.17E+05	0.79	1.16	0.932	5.68E+03	0.256
PCB-58 233'5"-TeCB	25.56	J	0.8605	0.8608	+0.5	2.20E+05	0.71	1.16	0.942	5.68E+03	0.255
PCB-67 23'45"-TeCB	25.70		0.8657	0.8657	0	2.01E+06	0.78	1.19	8.35	5.68E+03	0.248
PCB-63 234'5"-TeCB	25.92		0.8731	0.8732	+0.2	2.36E+06	0.76	1.27	9.22	5.68E+03	0.233
PCB-61/70/74/76 ...-TeCB	26.21	C	0.8824	0.8829	+0.8	1.28E+08	0.78	1.17	540	5.68E+03	0.253
PCB-66 23'44'-TeCB	26.48		0.8919	0.8918	-0.2	6.87E+07	0.79	1.11	306	5.68E+03	0.266
PCB-55 233'4"-TeCB	26.61		0.8963	0.8963	0	8.60E+05	0.76	1.12	3.82	5.68E+03	0.266

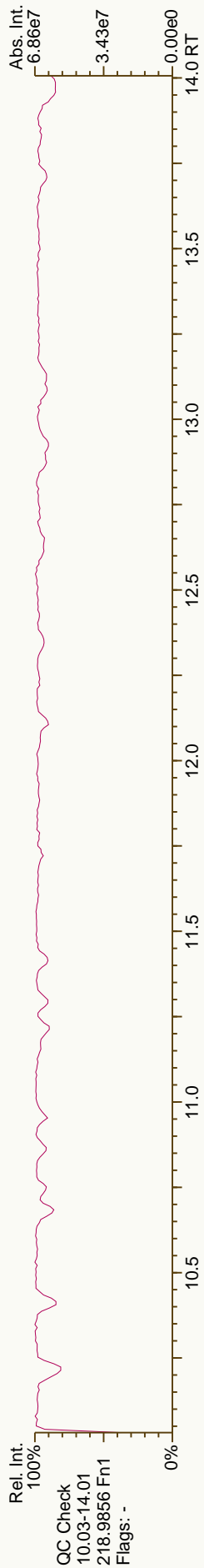
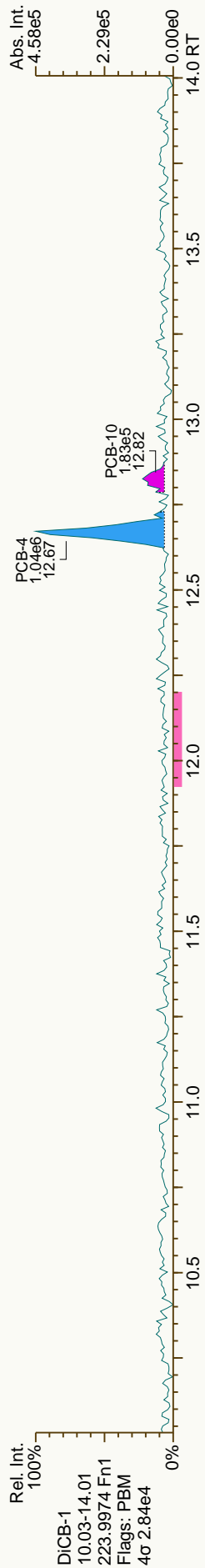
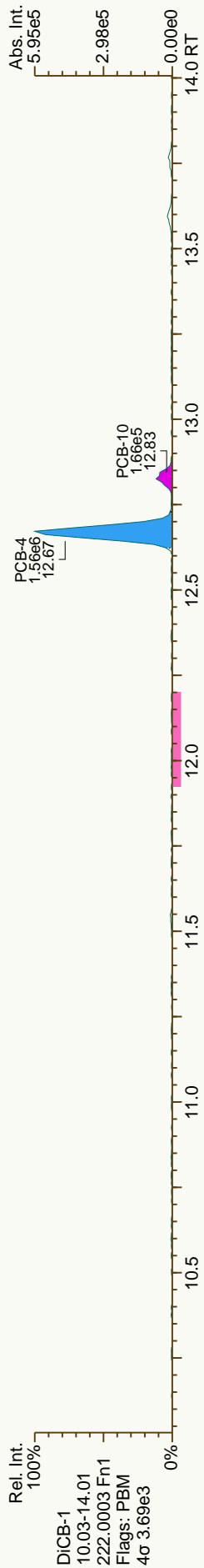
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.03		0.9106	0.9105	-0.2	2.60E+07	0.79	1.08	120	5.68E+03	0.275
PCB-60 234'-TeCB	27.22		0.9169	0.9168	-0.2	1.35E+07	0.78	1.12	59.6	5.68E+03	0.264
PCB-80 33'55'-TeCB	NotFnd		0.9232	-		0.00E+00		1.29	ND	5.68E+03	0.23
PCB-79 33'45'-TeCB	28.86		0.9724	0.9722	-0.3	8.58E+05	0.74	1.22	3.49	5.68E+03	0.243
PCB-78 33'45'-TeCB	NotFnd		0.9882	-		0.00E+00		1.04	ND	5.68E+03	0.286
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.25	ND	1.78E+03	0.0963
PCB-96 22'366'-PeCB	23.22		1.0138	1.0138	0	2.88E+05	0.60	0.95	2.04	1.78E+03	0.127
PCB-103 22'45'6'-PeCB	24.90		0.8916	0.8916	0	4.98E+05	0.59	0.94	3.35	2.34E+03	0.167
PCB-94 22'356'-PeCB	25.07		0.8978	0.8977	-0.2	1.90E+05	0.65	0.81	1.48	2.34E+03	0.193
PCB-95 22'35'6'-PeCB	25.45		0.9111	0.9111	0	3.80E+07	0.61	0.86	279	2.34E+03	0.182
PCB-100/93 22'44'6'/22'356'-PeCB	25.65	C	0.9186	0.9184	-0.3	4.14E+05	0.63	0.90	2.92	2.34E+03	0.175
PCB-102 22'456'-PeCB	25.76		0.9226	0.9222	-0.6	1.37E+06	0.62	0.89	9.72	2.34E+03	0.177
PCB-98 22'34'6'-PeCB	25.83	J EMPC	0.9249	0.9250	+0.2	7.89E+04	0.51	0.83	0.598	2.34E+03	0.188
PCB-88 22'346'-PeCB	NotFnd		0.9350	-		0.00E+00		0.83	ND	2.34E+03	0.19
PCB-91 22'34'6'-PeCB	26.18		0.9375	0.9374	-0.2	7.26E+06	0.62	0.92	50	2.34E+03	0.171
PCB-84 22'33'6'-PeCB	26.36		0.9438	0.9436	-0.3	1.18E+07	0.61	0.72	103	2.34E+03	0.217
PCB-89 22'346'-PeCB	26.76		0.9584	0.9583	-0.2	4.46E+05	0.63	0.79	3.57	2.34E+03	0.199
PCB-121 23'45'6'-PeCB	NotFnd		0.9722	-		0.00E+00		1.20	ND	2.34E+03	0.131
PCB-92 22'355'-PeCB	27.46		0.9830	0.9831	+0.2	1.09E+07	0.61	0.82	83.9	2.34E+03	0.191
PCB-113/90/101 ...-PeCB	27.95	C	0.9999	1.0008	+1.5	7.35E+07	0.62	0.97	480	2.34E+03	0.162
PCB-83 22'33'5'-PeCB	28.34		1.0148	1.0146	-0.3	2.88E+06	0.59	0.68	26.9	2.34E+03	0.232
PCB-99 22'44'5'-PeCB	28.45		1.0185	1.0185	0	3.62E+07	0.62	0.96	238	2.34E+03	0.163
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.14	ND	2.34E+03	0.138
PCB-108/119/86/97/125...-PeCB	28.90	C	1.0339	1.0347	+1.4	4.82E+07	0.62	0.98	310	2.34E+03	0.16
PCB-117 234'56'-PeCB	29.40		1.0526	1.0526	0	2.06E+06	0.61	0.89	14.6	2.34E+03	0.176
PCB-116/85 23456'/22'344'-PeCB	29.47	C	1.0553	1.0552	-0.2	1.22E+07	0.62	1.06	72.6	2.34E+03	0.147
PCB-110 233'4'6'-PeCB	29.60		1.0599	1.0599	0	9.62E+07	0.62	1.01	602	2.34E+03	0.155
PCB-115 2344'6'-PeCB	29.70		1.0629	1.0634	+0.9	1.46E+06	0.62	1.23	7.51	2.34E+03	0.128
PCB-82 22'33'4'-PeCB	29.86		1.0693	1.0691	-0.4	5.65E+06	0.61	0.70	50.9	2.34E+03	0.224
PCB-111 233'55'-PeCB	NotFnd		1.0822	-		0.00E+00		1.18	ND	2.34E+03	0.133
PCB-120 23'455'-PeCB	30.62		1.0962	1.0963	+0.2	4.34E+05	0.61	1.16	2.36	2.34E+03	0.135
PCB-107/124 ...-PeCB	31.56	C	0.9911	0.9913	+0.4	3.02E+06	0.58	1.09	17.4	2.34E+03	0.143
PCB-109 233'46'-PeCB	31.77		0.9974	0.9977	+0.6	6.66E+06	0.63	1.16	36.2	2.34E+03	0.135
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		1.04	ND	2.34E+03	0.151
PCB-122 233'4'5'-PeCB	32.42		1.0093	1.0093	0	8.45E+05	0.62	1.01	5.77	2.34E+03	0.165
PCB-127 33'455'-PeCB	NotFnd		1.0386	-		0.00E+00		1.07	ND	2.34E+03	0.156
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	1.36E+03	0.0749
PCB-152 22'3566'-HxCB	27.91	J EMPC	1.0056	1.0055	-0.2	5.44E+04	1.54	0.95	0.334	1.36E+03	0.0863
PCB-150 22'34'66'-HxCB	28.06	J EMPC	1.0111	1.0110	-0.2	9.44E+04	1.54	0.98	0.559	1.36E+03	0.0832
PCB-136 22'33'66'-HxCB	28.34		1.0213	1.0212	-0.2	6.96E+06	1.26	0.90	45.1	1.36E+03	0.0913
PCB-145 22'3466'-HxCB	NotFnd		1.0309	-		0.00E+00		0.92	ND	1.36E+03	0.0891
PCB-148 22'34'56'-HxCB	29.90	J	1.0774	1.0775	+0.2	1.12E+05	1.22	0.69	0.94	1.36E+03	0.118
PCB-151/135 ...-HxCB	30.40	C	1.0955	1.0955	0	1.40E+07	1.29	0.67	121	1.36E+03	0.121
PCB-154 22'44'56'-HxCB	30.62		1.1032	1.1033	+0.2	9.26E+05	1.32	0.78	6.93	1.36E+03	0.105
PCB-144 22'345'6'-HxCB	30.87		1.1122	1.1123	+0.2	2.02E+06	1.26	0.70	16.8	1.36E+03	0.117

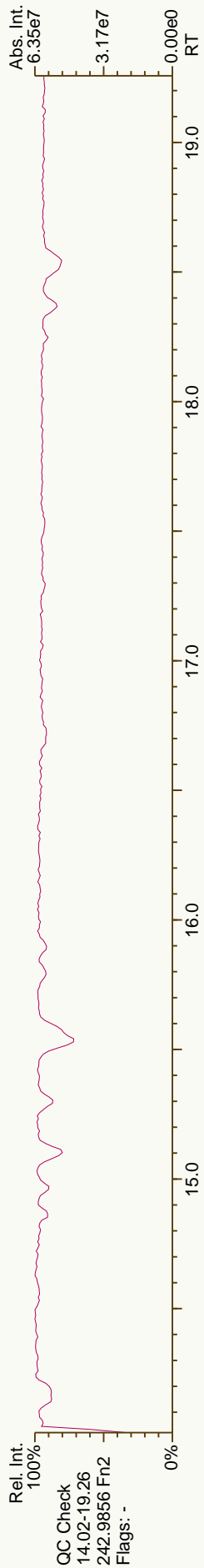
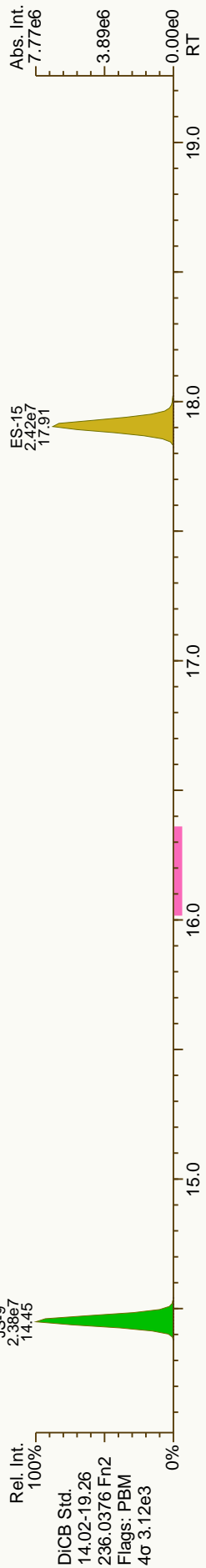
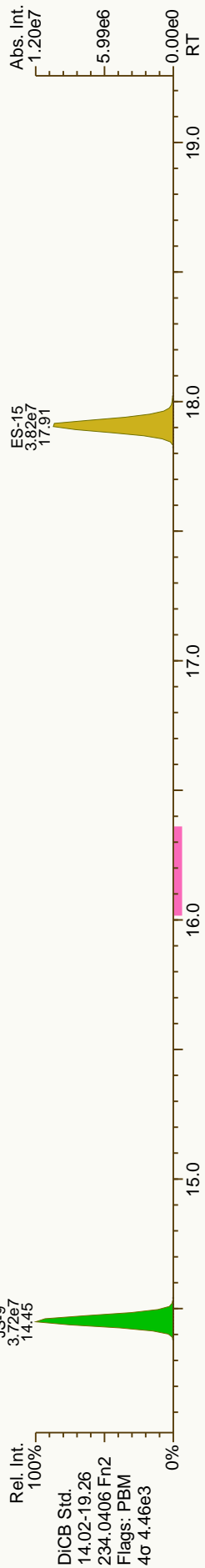
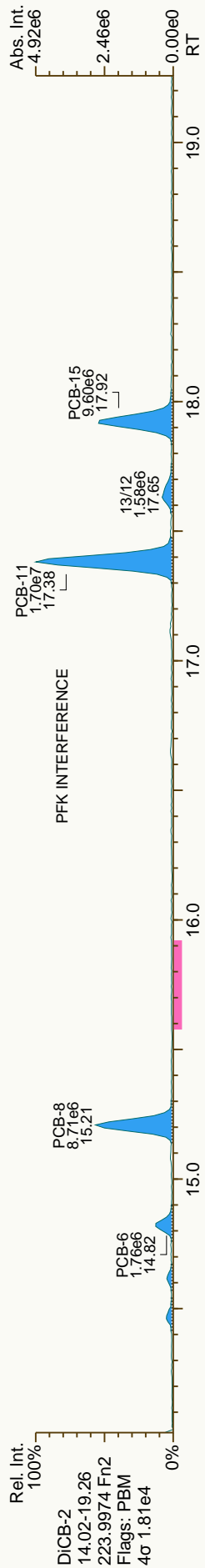
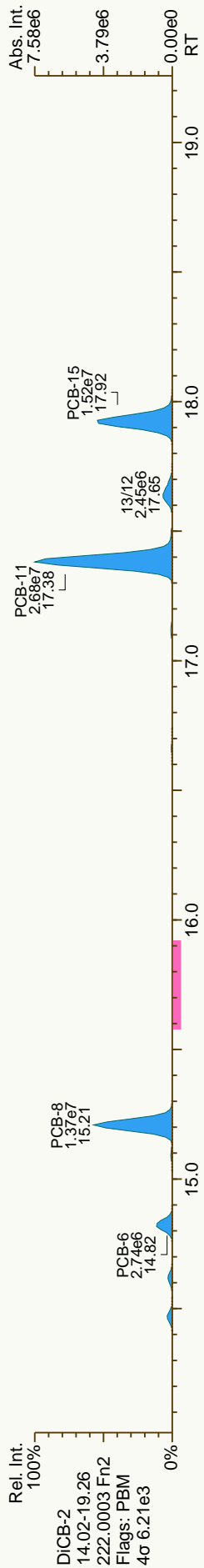
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc./ Recv.	Noise/ Recv. Low	DL/ Recv. High
PCB-147/149 ...-HxCB	31.16	C	1.1230	1.1228	-0.4	3.72E+07	1.25	0.70	309	1.36E+03	0.117
PCB-134 22'33'56'-HxCB	31.32		1.1286	1.1286	0	2.32E+06	1.24	0.54	24.8	1.36E+03	0.15
PCB-143 22'3456'-HxCB	31.41		1.1315	1.1319	+0.8	1.57E+05	1.18	0.68	1.34	1.36E+03	0.12
PCB-139/140 ...-HxCB	31.67	C	1.1413	1.1412	-0.2	1.10E+06	1.31	0.71	8.99	1.36E+03	0.115
PCB-131 22'33'46'-HxCB	31.83		1.1470	1.1470	0	5.84E+05	1.19	0.60	5.63	1.36E+03	0.136
PCB-142 22'3456'-HxCB	NotFnd		1.1518	-		0.00E+00		0.61	ND	1.36E+03	0.135
PCB-132 22'33'46'-HxCB	32.21		1.1605	1.1605	0	1.52E+07	1.24	0.63	141	1.36E+03	0.13
PCB-133 22'33'55'-HxCB	32.66		1.1765	1.1768	+0.6	9.16E+05	1.24	0.64	8.32	1.36E+03	0.128
PCB-165 233'55'6'-HxCB	NotFnd		0.9500	-		0.00E+00		0.81	ND	1.36E+03	0.101
PCB-146 22'34'55'-HxCB	33.20		0.9560	0.9558	-0.4	6.95E+06	1.27	0.72	55.8	1.36E+03	0.113
PCB-161 233'45'6'-HxCB	NotFnd		0.9593	-		0.00E+00		0.89	ND	1.36E+03	0.0923
PCB-153/168 ...-HxCB	33.72	C	0.9715	0.9709	-1.2	5.85E+07	1.26	0.93	366	1.36E+03	0.0879
PCB-141 22'3455'-HxCB	33.87		0.9753	0.9752	-0.2	7.56E+06	1.28	0.67	65.8	1.36E+03	0.122
PCB-130 22'33'45'-HxCB	34.21		0.9850	0.9850	0	3.38E+06	1.28	0.59	33.5	1.36E+03	0.114
PCB-137 22'344'5'-HxCB	34.40		0.9906	0.9905	-0.2	2.53E+06	1.21	0.66	22.4	1.36E+03	0.124
PCB-164 233'4'5'6'-HxCB	34.49		0.9931	0.9930	-0.2	4.76E+06	1.25	0.95	29	1.36E+03	0.0857
PCB-163/138/129 ...-HxCB	34.76	C	1.0012	1.0007	-1.0	6.61E+07	1.26	0.73	528	1.36E+03	0.112
PCB-160 233'456'-HxCB	NotFnd		1.0048	-		0.00E+00		0.83	ND	1.36E+03	0.0983
PCB-158 233'44'6'-HxCB	35.09		1.0103	1.0103	0	7.87E+06	1.27	0.95	48.2	1.36E+03	0.0862
PCB-128/166 ...-HxCB	35.81	C	0.9607	0.9606	-0.2	1.03E+07	1.21	0.88	91.2	3.30E+03	0.315
PCB-159 233'455'-HxCB	NotFnd		0.9834	-		0.00E+00		1.02	ND	3.30E+03	0.273
PCB-162 233'4'55'-HxCB	36.90		0.9898	0.9898	0	2.71E+05	1.13	1.06	1.99	3.30E+03	0.263
PCB-188 22'34'566'-HxCB	32.58	J	1.0006	1.0007	+0.2	3.99E+04	1.05	1.03	0.293	1.21E+03	0.0943
PCB-179 22'33'566'-HxCB	32.85		1.0088	1.0088	0	4.35E+06	1.07	0.91	36.1	1.21E+03	0.107
PCB-184 22'344'66'-HxCB	33.32	J EMPC	1.0231	1.0233	+0.4	2.12E+04	1.23	0.91	0.176	1.21E+03	0.107
PCB-176 22'33'466'-HxCB	33.59		1.0317	1.0317	0	1.13E+06	1.05	1.00	8.52	1.21E+03	0.0971
PCB-186 22'34566'-HxCB	NotFnd		1.0434	-		0.00E+00		0.94	ND	1.21E+03	0.103
PCB-178 22'33'55'6'-HxCB	35.14		1.0791	1.0792	+0.2	1.78E+06	1.09	0.68	19.8	1.21E+03	0.143
PCB-175 22'33'45'6'-HxCB	35.68		1.0956	1.0957	+0.2	3.39E+05	1.13	0.77	3.33	2.38E+03	0.249
PCB-187 22'34'55'6'-HxCB	35.91		1.1026	1.1027	+0.2	1.26E+07	1.04	0.83	116	2.38E+03	0.233
PCB-182 22'344'56'-HxCB	36.07	J	1.1079	1.1078	-0.2	8.09E+04	1.15	0.86	0.716	2.38E+03	0.225
PCB-183 22'344'5'6'-HxCB	36.42		1.1185	1.1185	0	5.02E+06	1.05	0.90	42.4	2.38E+03	0.214
PCB-185 22'3455'6'-HxCB	36.49		1.1208	1.1206	-0.4	7.97E+05	1.05	0.79	7.69	2.38E+03	0.245
PCB-174 22'33'456'-HxCB	36.60		1.1240	1.1240	0	6.78E+06	1.05	0.72	71.4	2.38E+03	0.267
PCB-177 22'33'45'6'-HxCB	36.97		1.1353	1.1353	0	4.70E+06	1.05	0.70	51.2	2.38E+03	0.277
PCB-181 22'344'56'-HxCB	37.32	J	1.1459	1.1460	+0.2	9.53E+04	0.92	0.81	0.894	2.38E+03	0.238
PCB-171/173 ...-HxCB	37.50	C	1.1512	1.1517	+1.1	2.33E+06	1.07	0.71	25	2.38E+03	0.272
PCB-172 22'33'455'-HxCB	38.87		0.9026	0.9026	0	1.26E+06	1.04	0.71	15.7	2.38E+03	0.329
PCB-192 233'455'6'-HxCB	NotFnd		0.9083	-		0.00E+00		0.93	ND	2.38E+03	0.25
PCB-180/193 ...-HxCB	39.42	C	0.9146	0.9153	+1.7	1.86E+07	1.06	0.90	181	2.38E+03	0.258
PCB-191 233'44'5'6'-HxCB	39.72		0.9222	0.9222	0	3.90E+05	0.98	0.97	3.54	2.38E+03	0.24
PCB-170 22'33'44'5'-HxCB	40.46		0.9396	0.9395	-0.2	6.80E+06	1.06	0.72	82.7	2.38E+03	0.322
PCB-190 233'44'56'-HxCB	40.91		0.9500	0.9499	-0.2	1.50E+06	1.00	0.97	13.6	2.38E+03	0.24
PCB-202 22'33'55'66'-OCCB	37.08		1.0006	1.0006	0	1.68E+06	0.87	0.91	17.5	1.80E+03	0.212
PCB-201 22'33'45'66'-OCCB	37.86		1.0215	1.0215	0	8.29E+05	0.93	0.98	8.05	1.80E+03	0.197

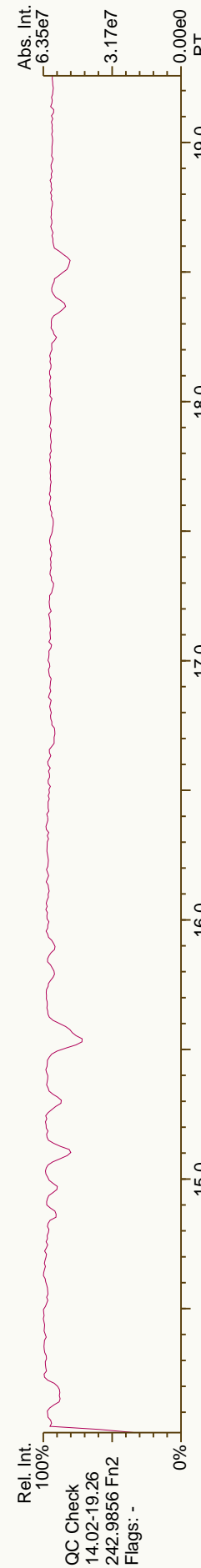
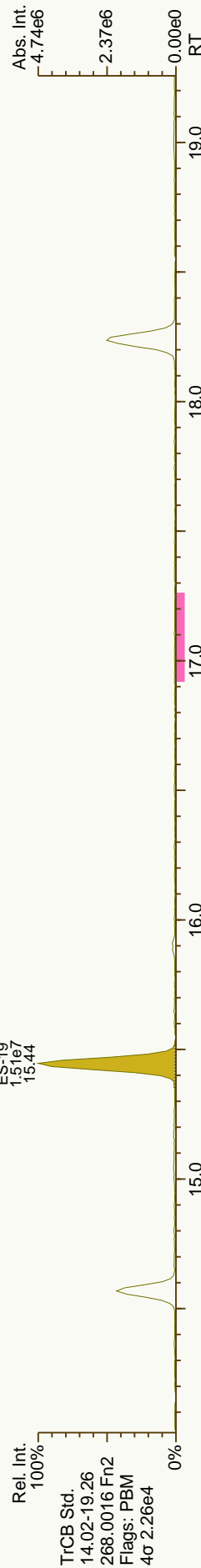
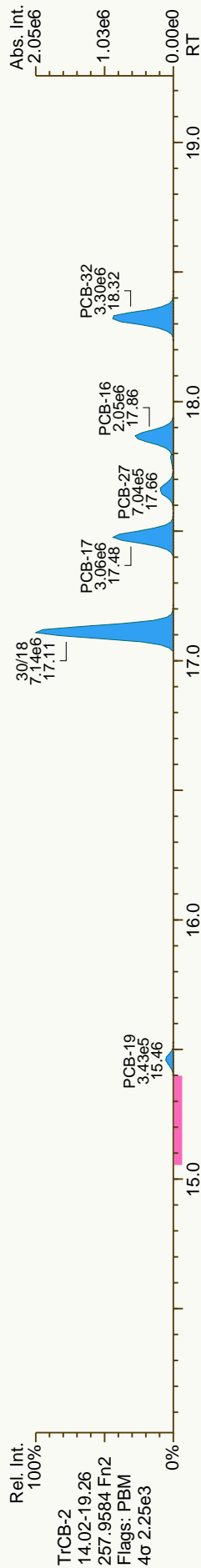
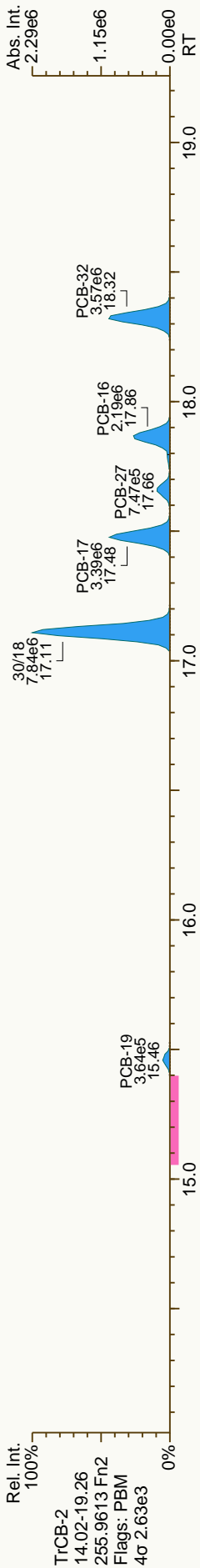
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204	22'344'566'-OCCB	NotFnd	1.0369	-		0.00E+00	0.93	0.93	ND	1.80E+03	0.208
PCB-197	22'33'44'66'-OCCB	38.66	1.0420	1.0432	+2.8	5.59E+05	0.93	1.02	5.22	1.80E+03	0.19
PCB-200	22'33'4566'-OCCB	NotFnd	1.0441	-		0.00E+00	0.93	0.93	ND	1.80E+03	0.209
PCB-198/199	...-OCCB	41.06	1.1072	1.1079	+1.7	4.80E+06	0.93	0.67	68.5	1.80E+03	0.29
PCB-196	22'33'44'56'-OCCB	41.61	1.1225	1.1227	+0.5	1.73E+06	0.90	0.70	23.7	1.80E+03	0.279
PCB-203	22'344'55'6-OCCB	41.78	1.1270	1.1273	+0.8	3.41E+06	0.89	0.73	44.6	1.80E+03	0.265
PCB-195	22'33'44'56-OCCB	42.87	0.9483	0.9481	-0.5	1.11E+06	0.92	0.75	15.7	2.29E+03	0.35
PCB-194	22'33'44'55'-OCCB	44.85	0.9917	0.9917	0	3.81E+06	0.93	0.81	50.2	2.29E+03	0.326
PCB-205	233'44'55'6-OCCB	45.24	1.0004	1.0004	0	1.74E+05	0.96	1.09	1.7	2.29E+03	0.242
PCB-208	22'33'455'66'-NoCB	42.68	1.0005	1.0005	0	1.23E+06	0.74	1.02	13	1.38E+03	0.176
PCB-207	22'33'44'566'-NoCB	43.46	1.0188	1.0188	0	4.86E+05	0.75	0.94	5.58	1.38E+03	0.192
PCB-206	22'33'44'55'6-NoCB	46.69	1.0004	1.0003	-0.3	3.11E+06	0.75	0.98	43.1	1.38E+03	0.249

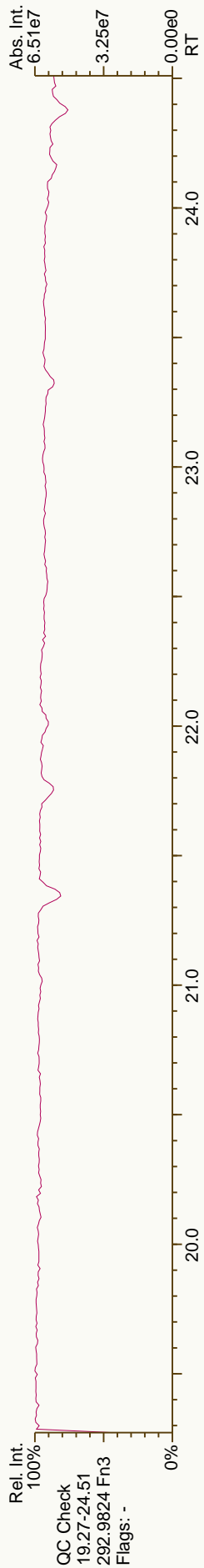
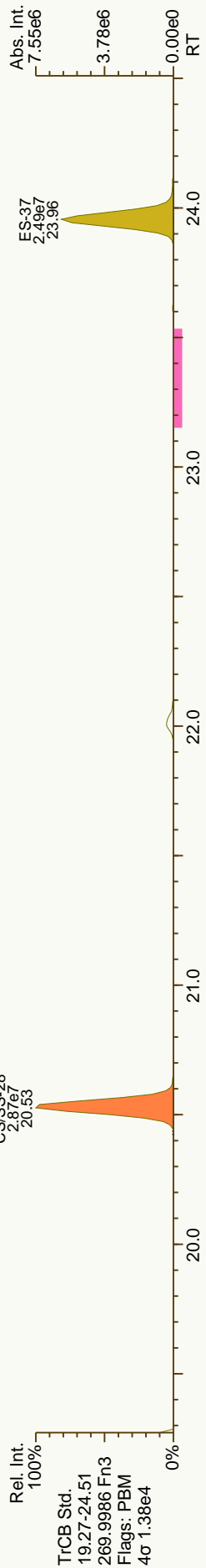
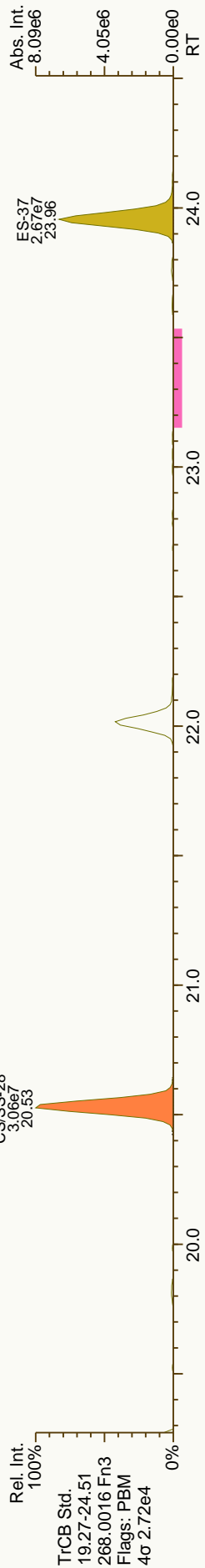
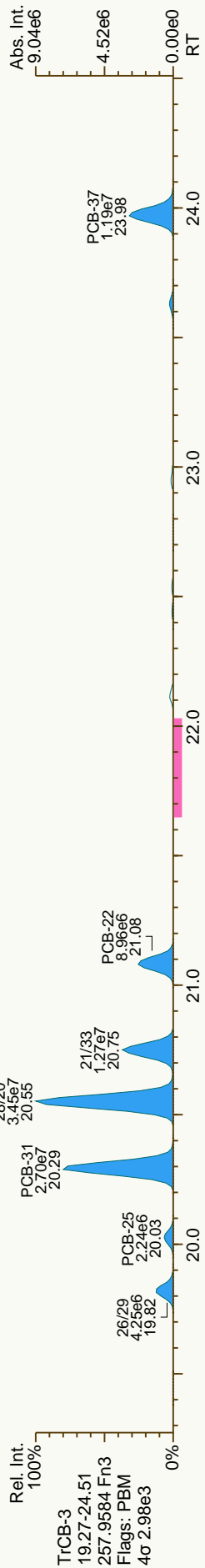
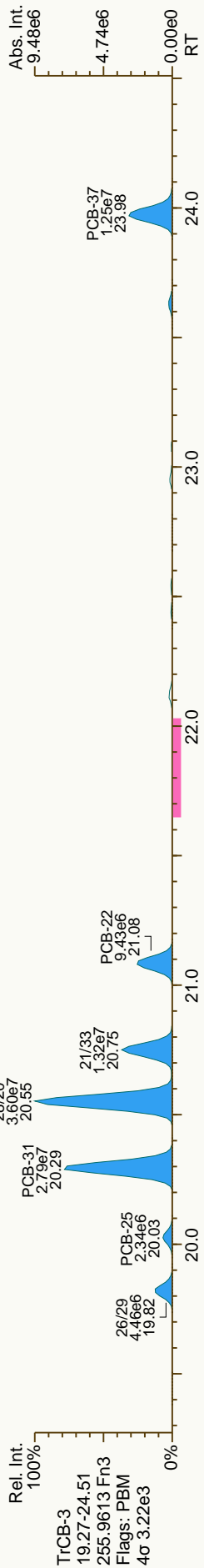


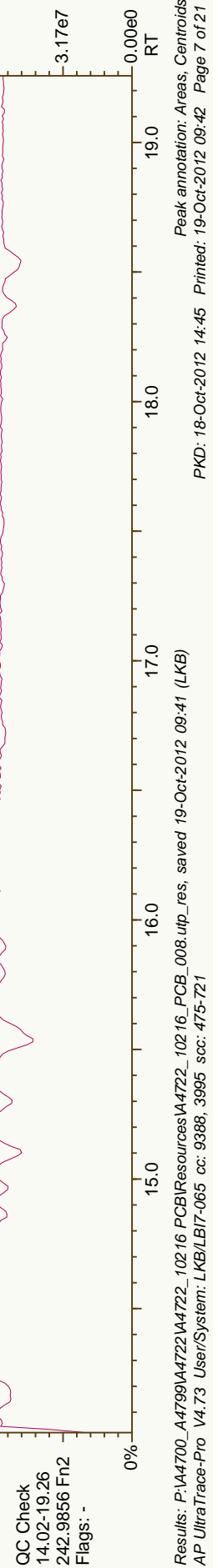
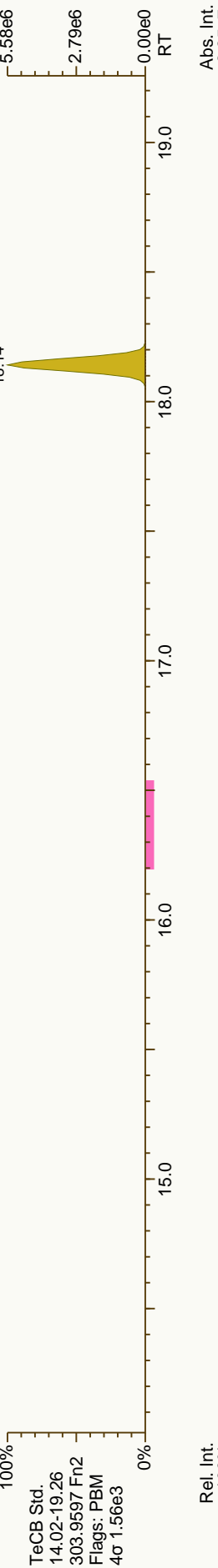
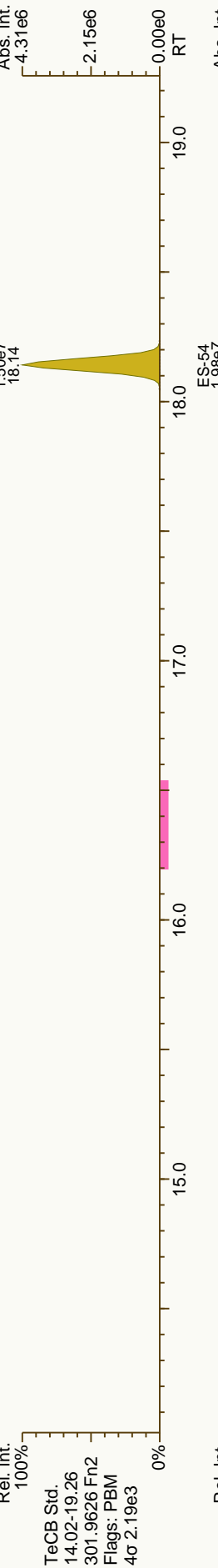
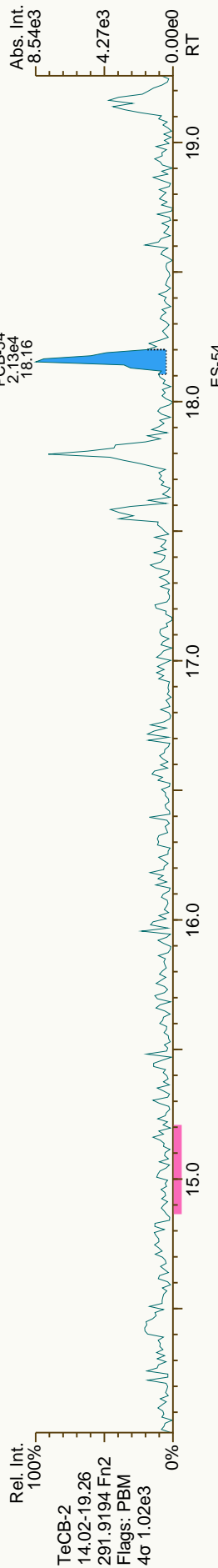
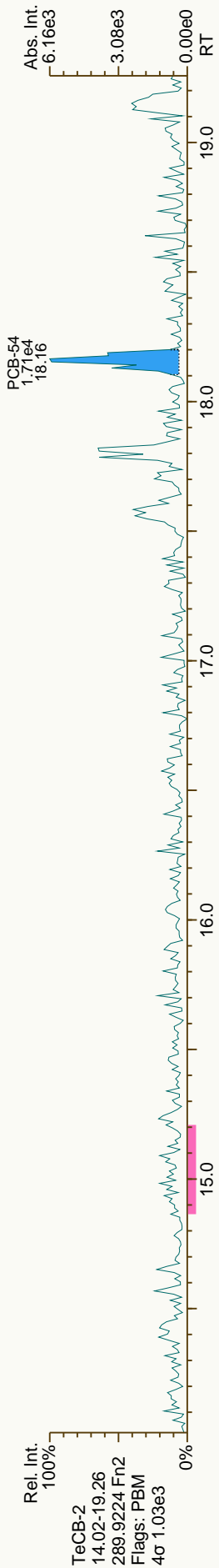


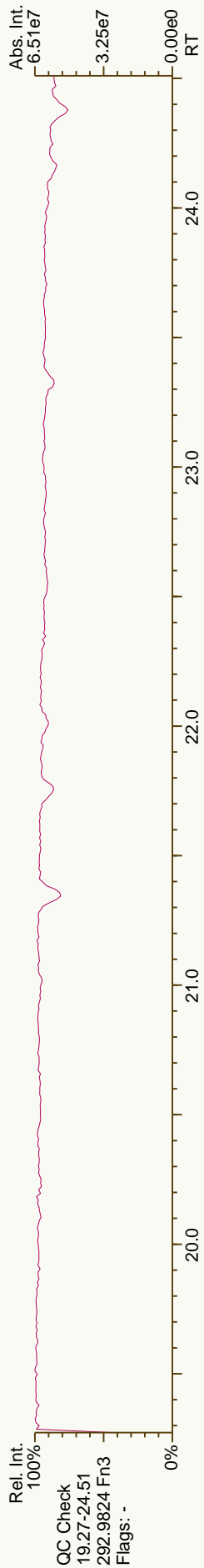
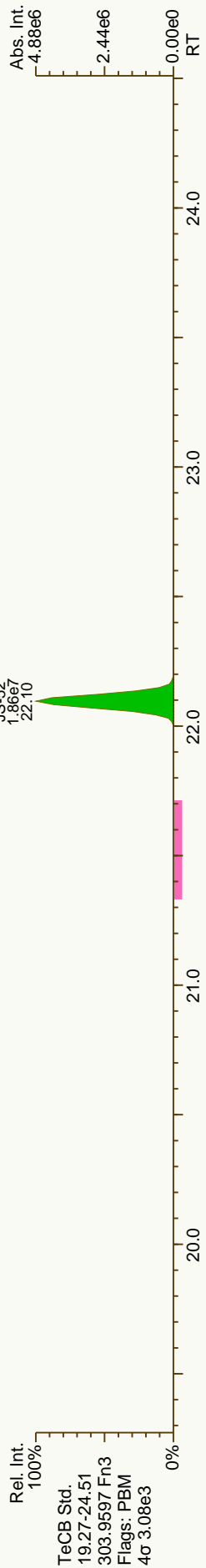
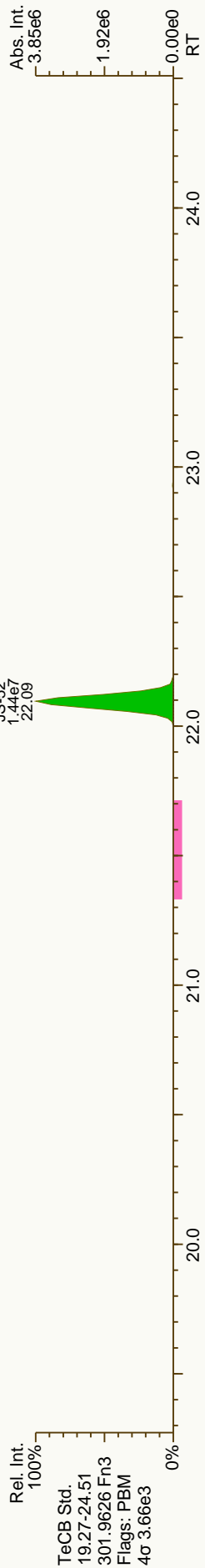
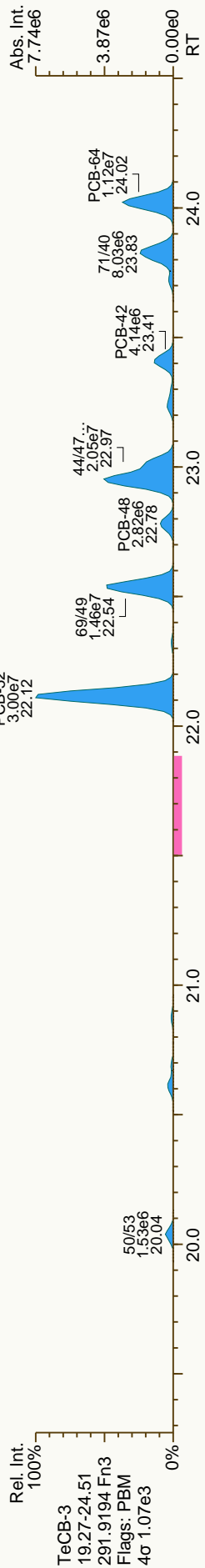
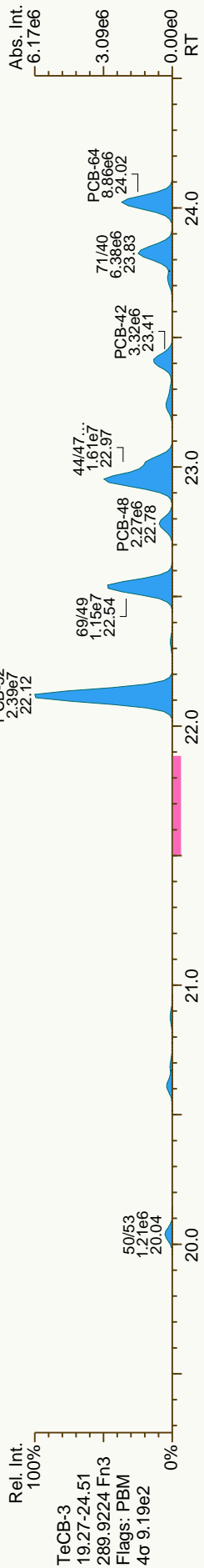


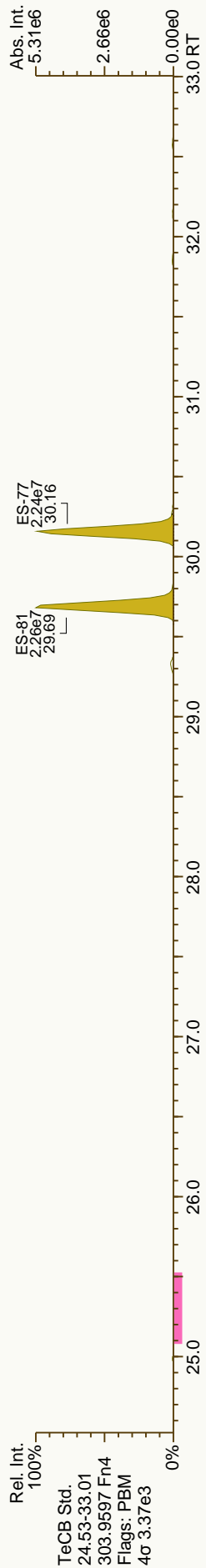
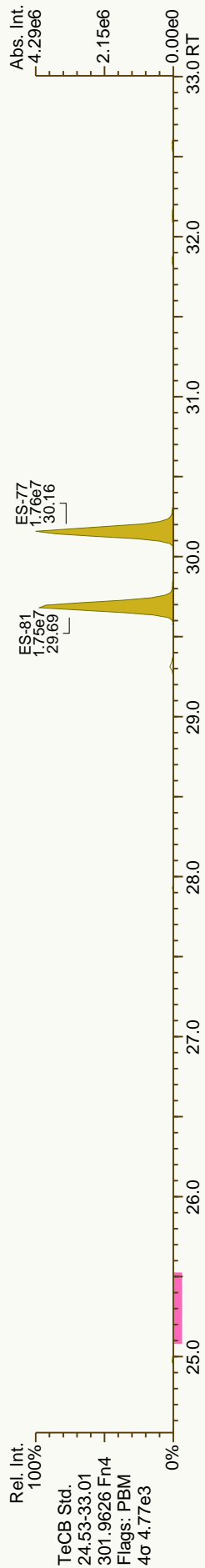
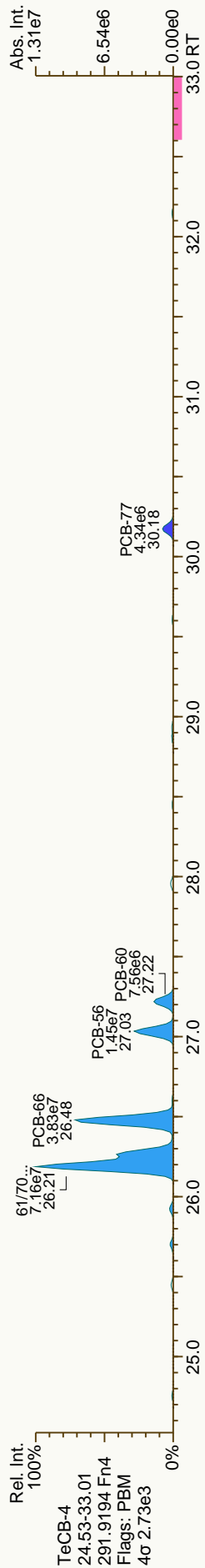
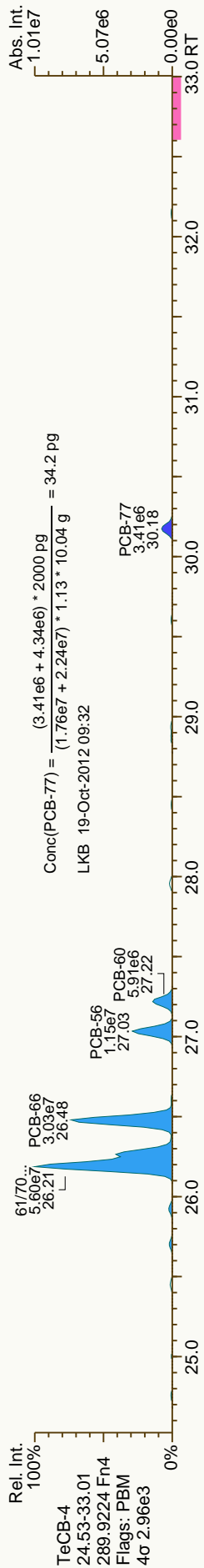


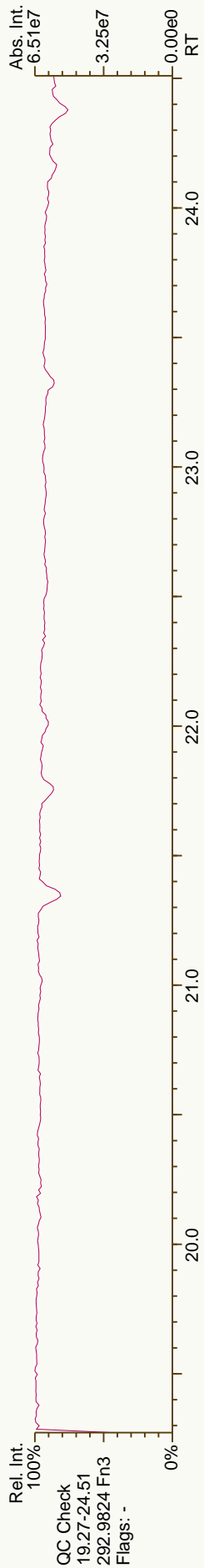
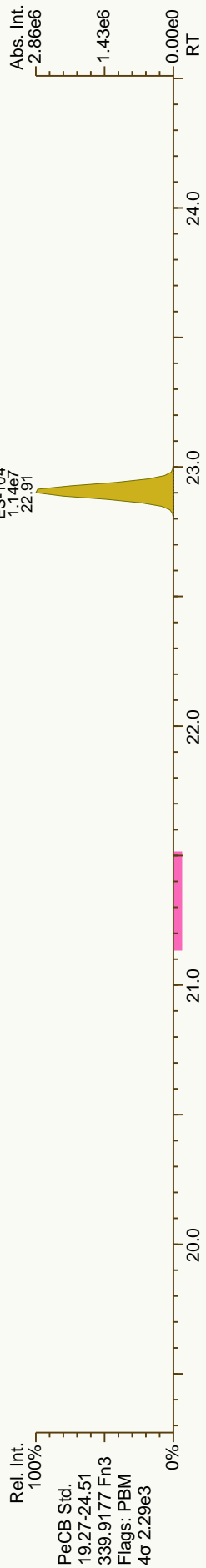
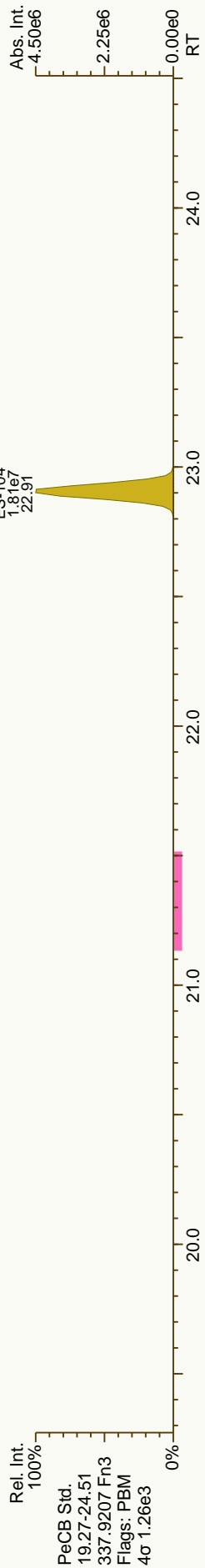
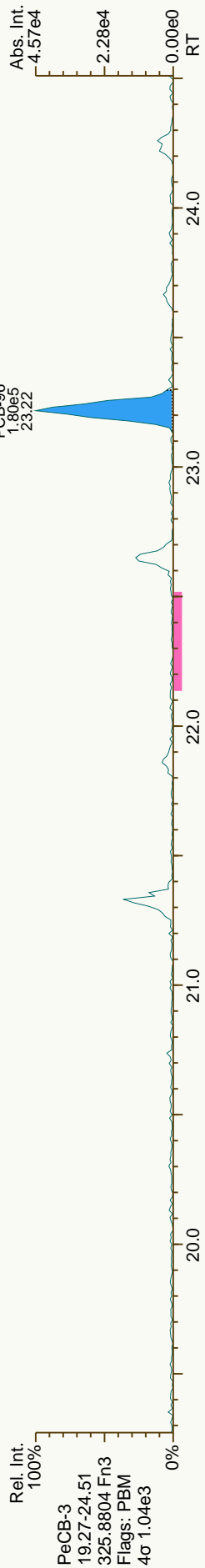
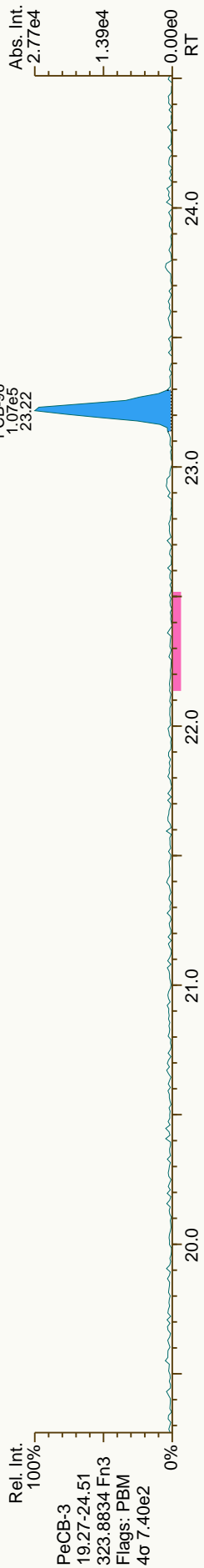


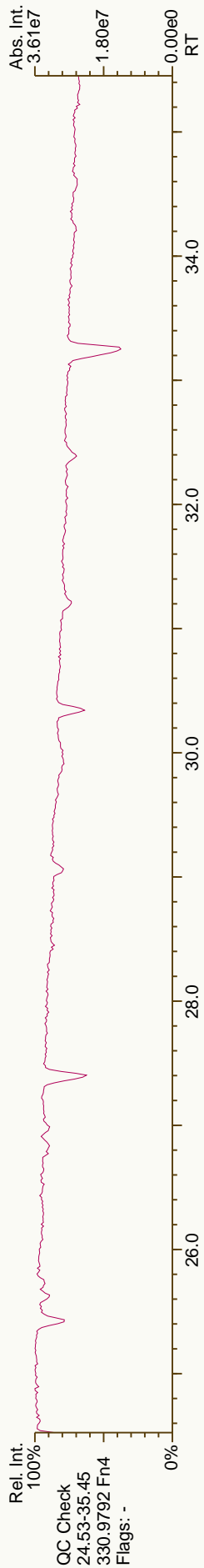
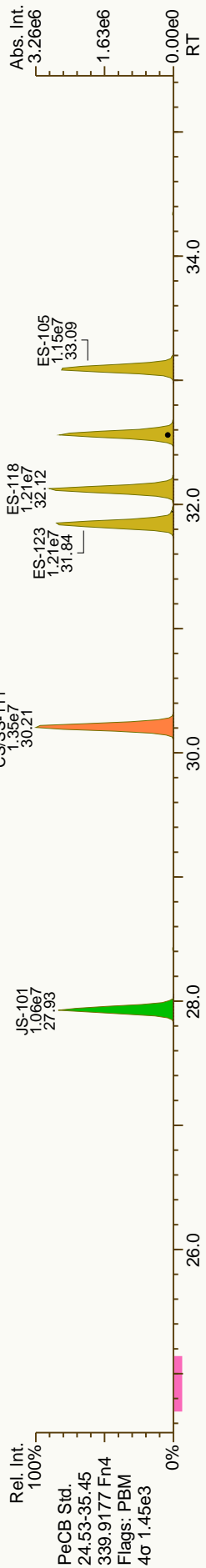
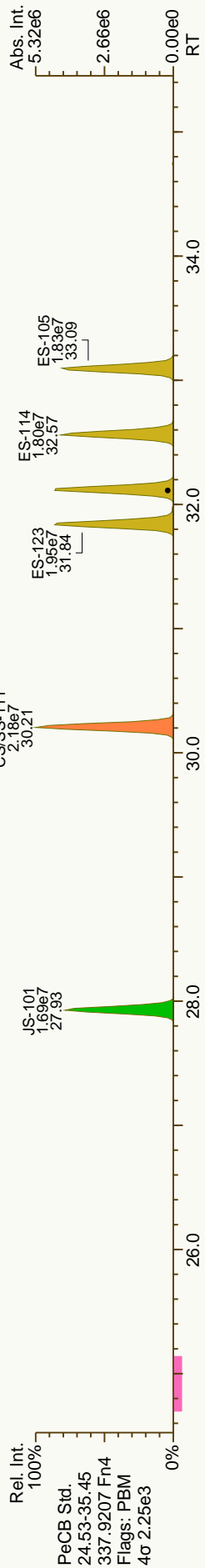
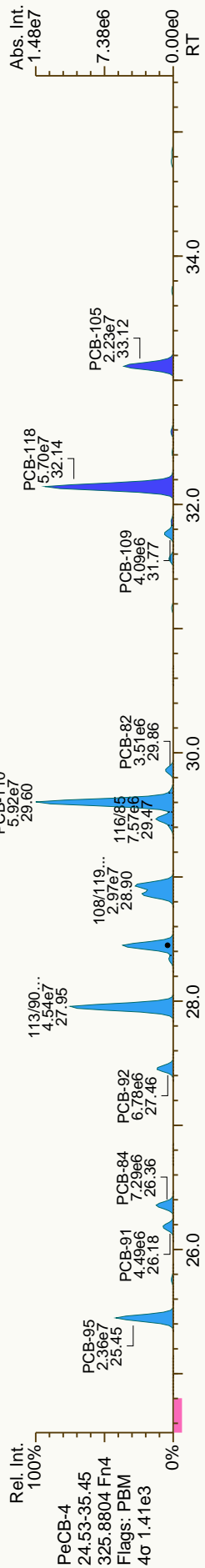
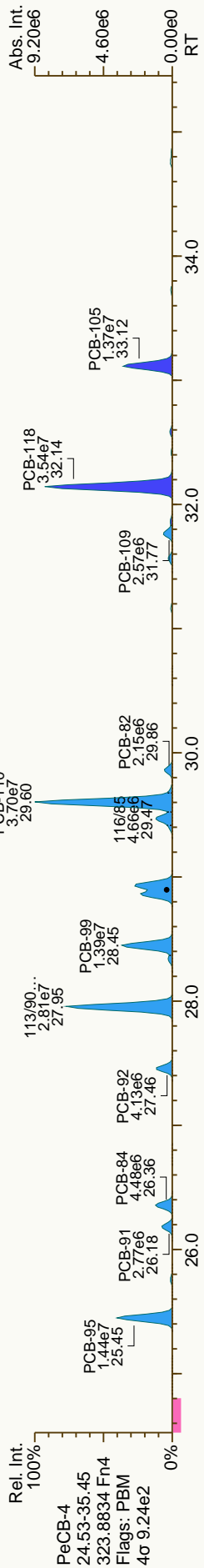


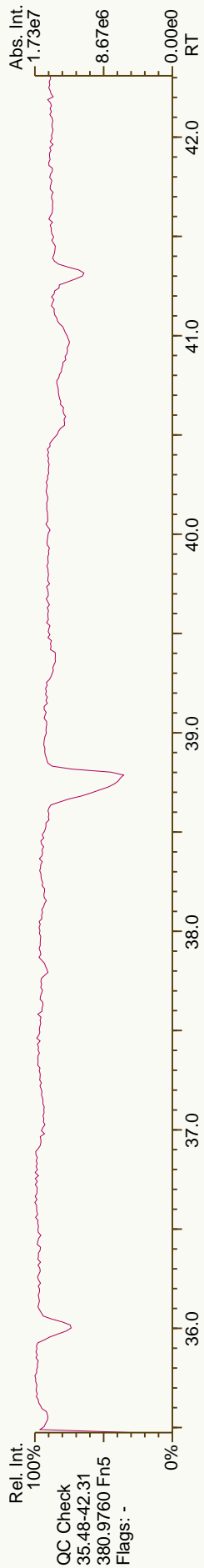
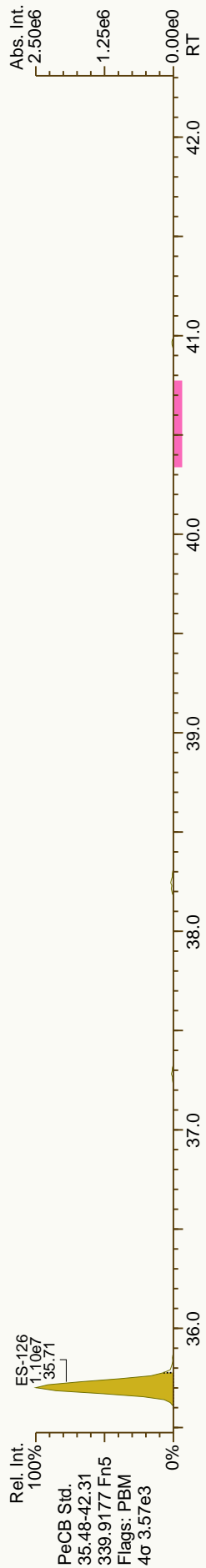
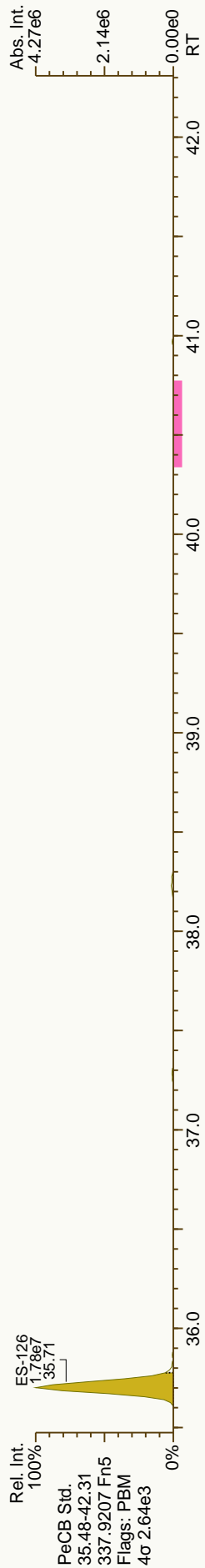
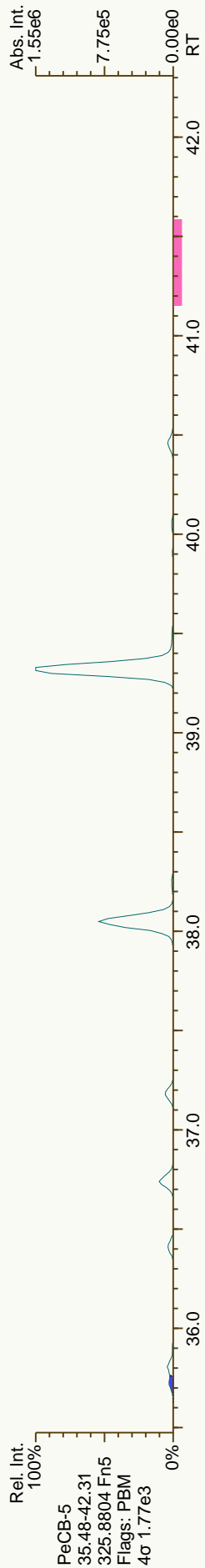
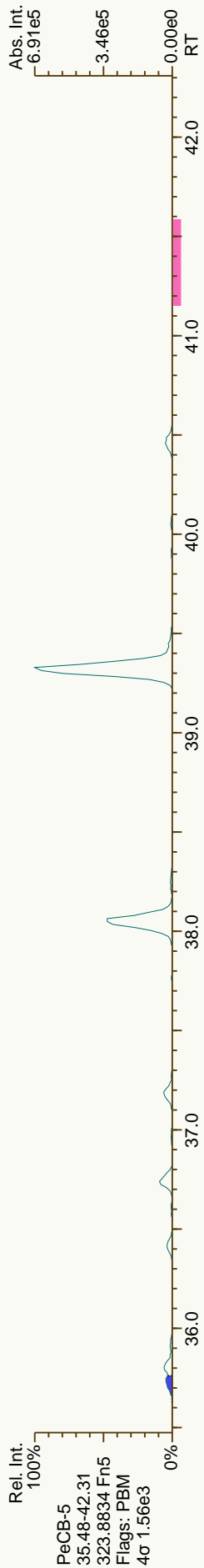


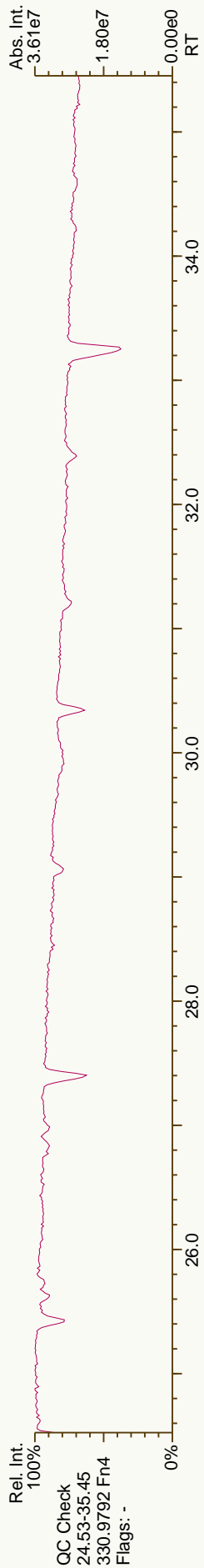
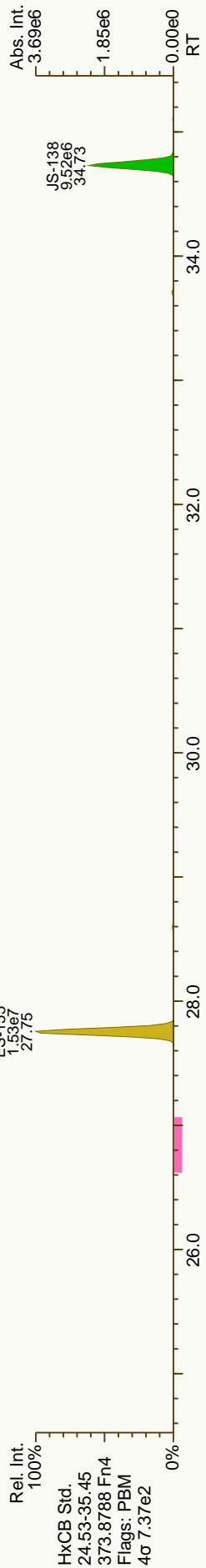
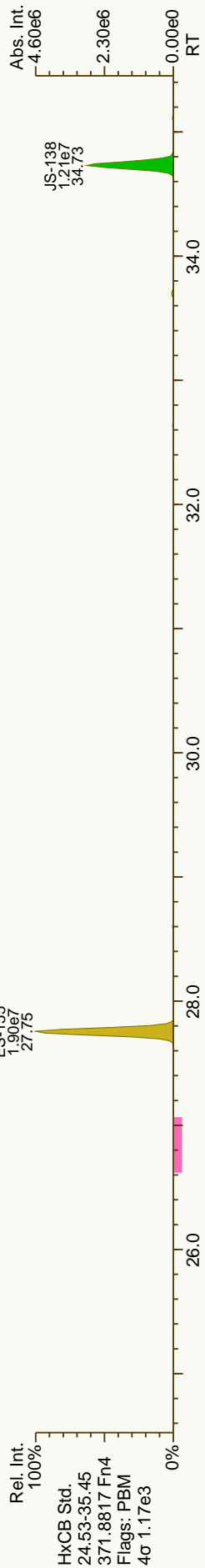
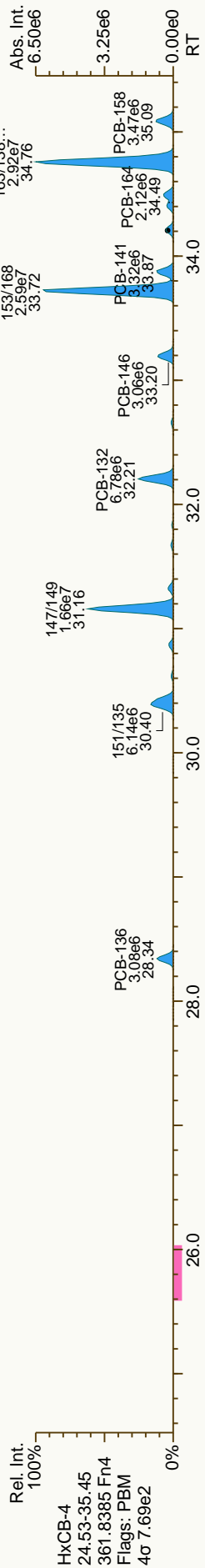
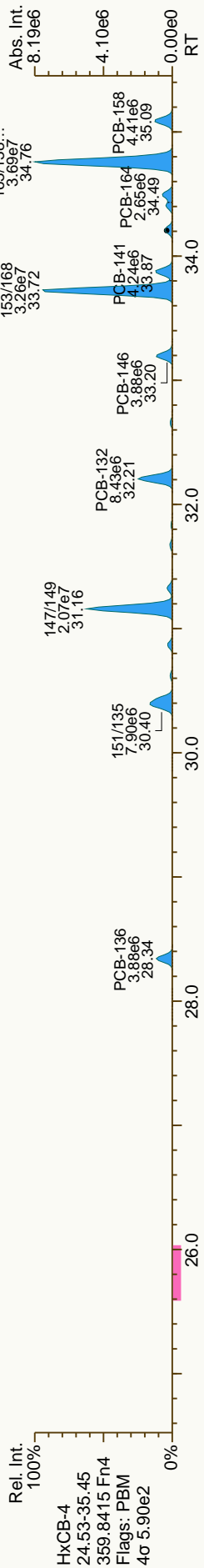


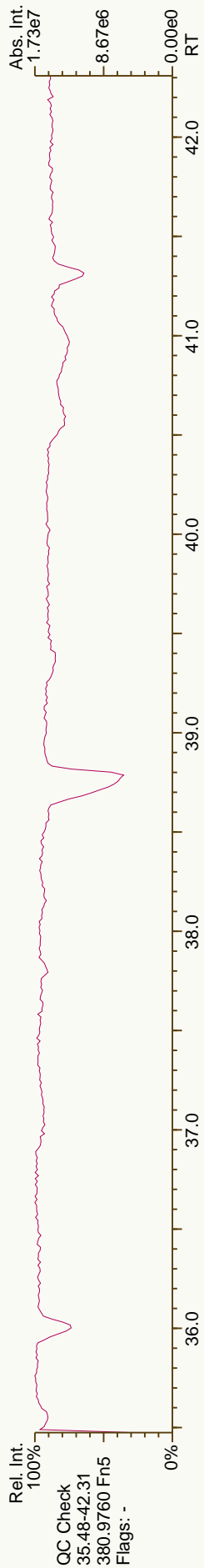
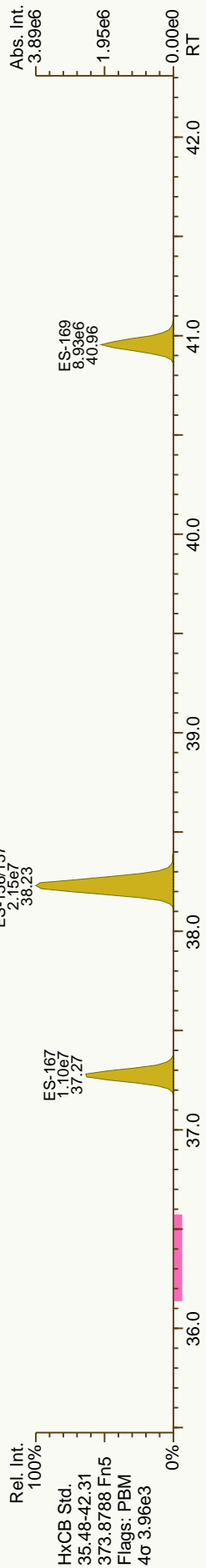
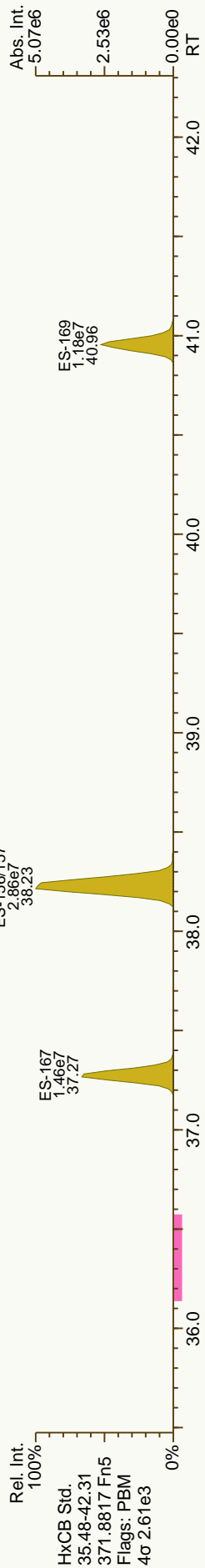
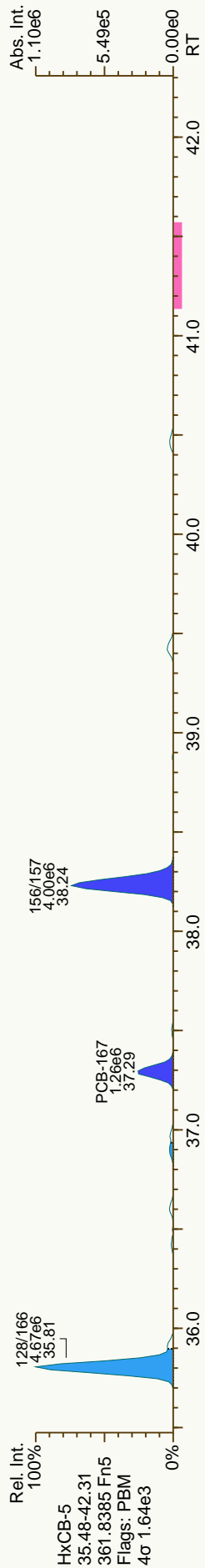
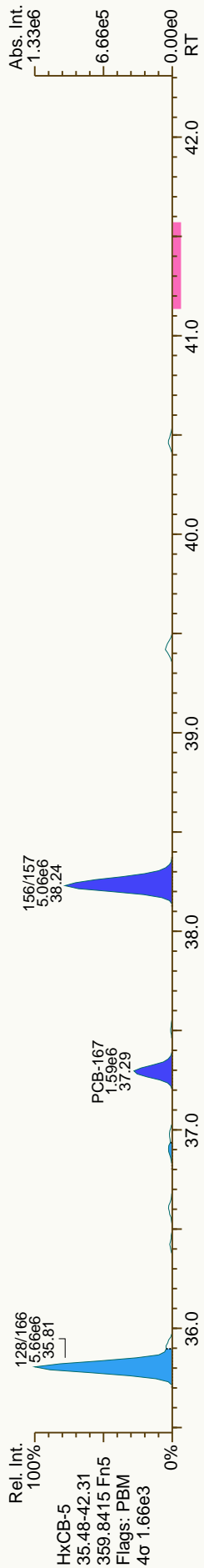


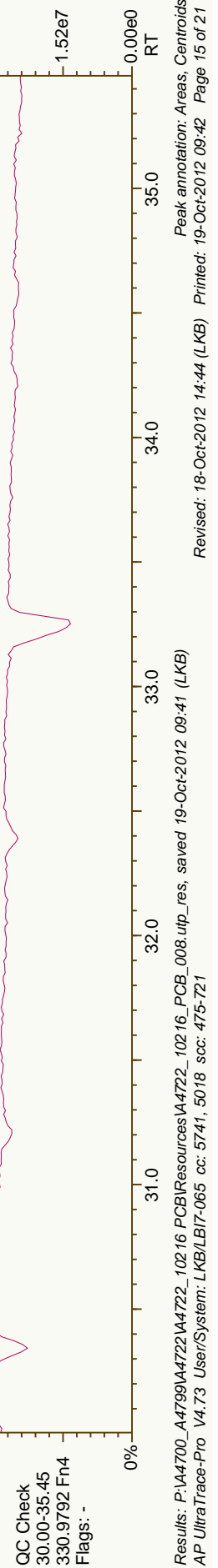
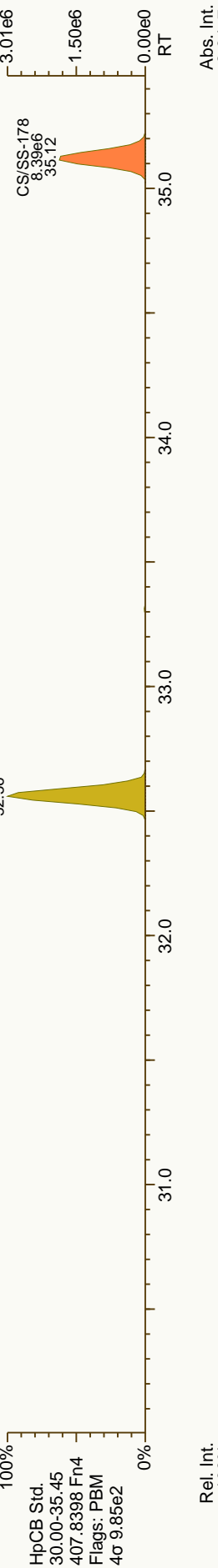
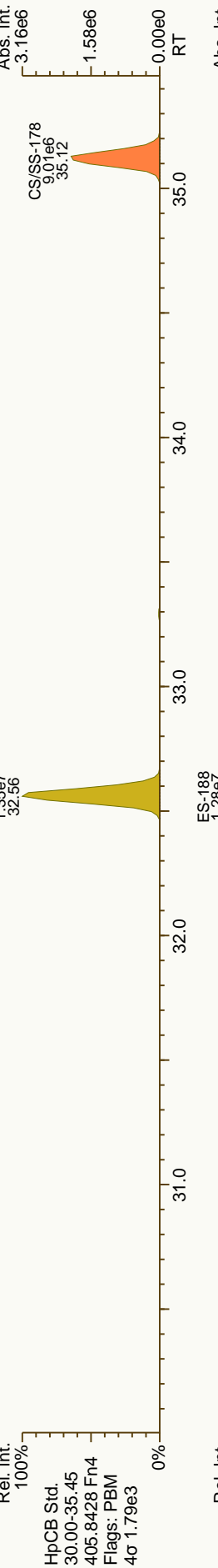
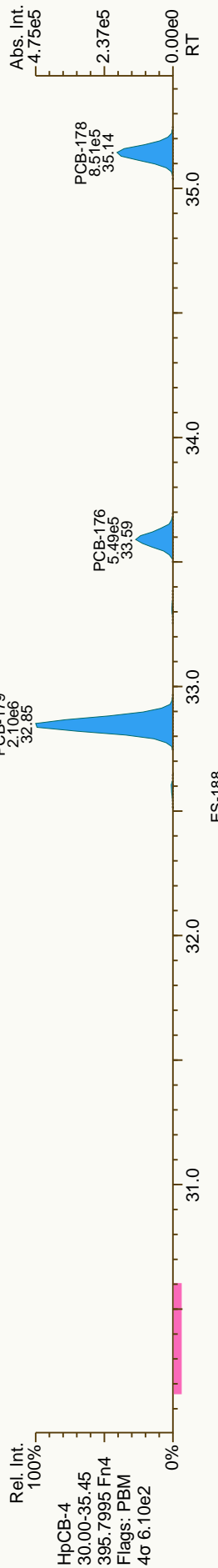
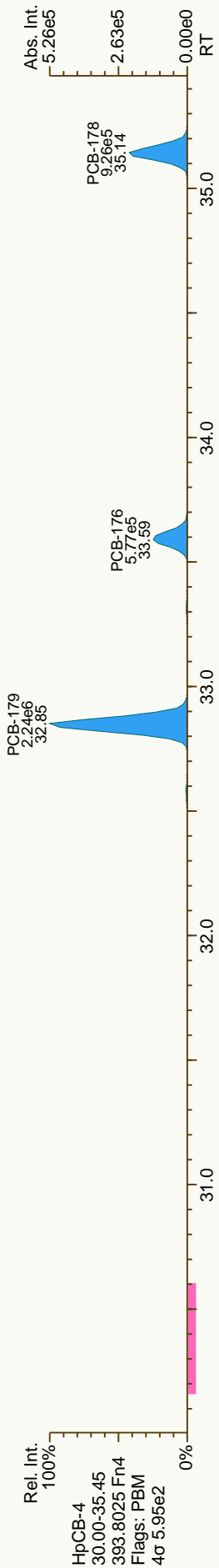


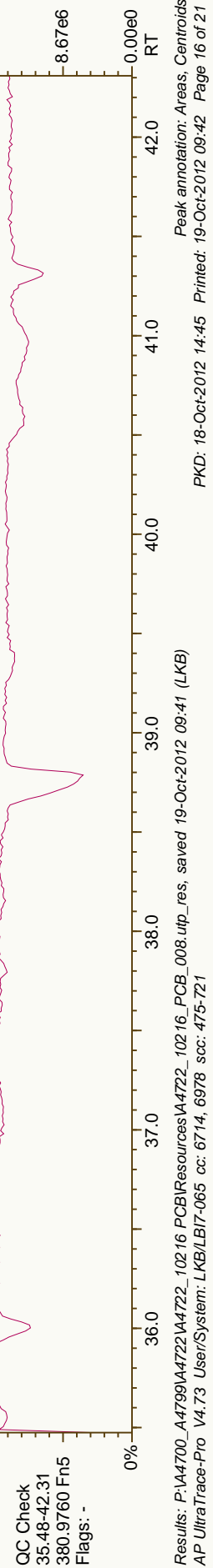
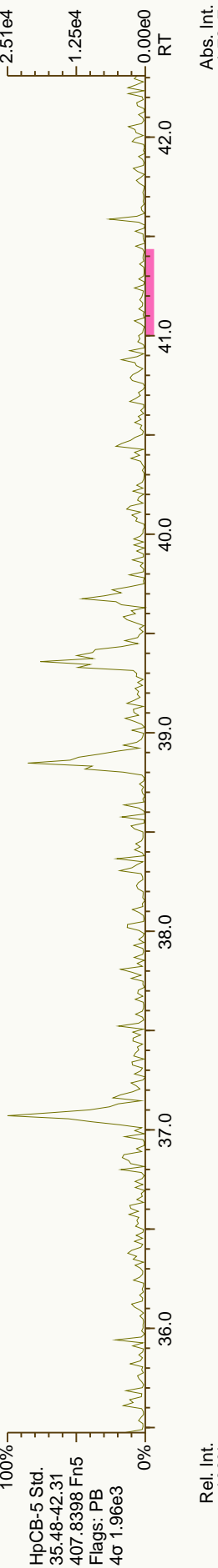
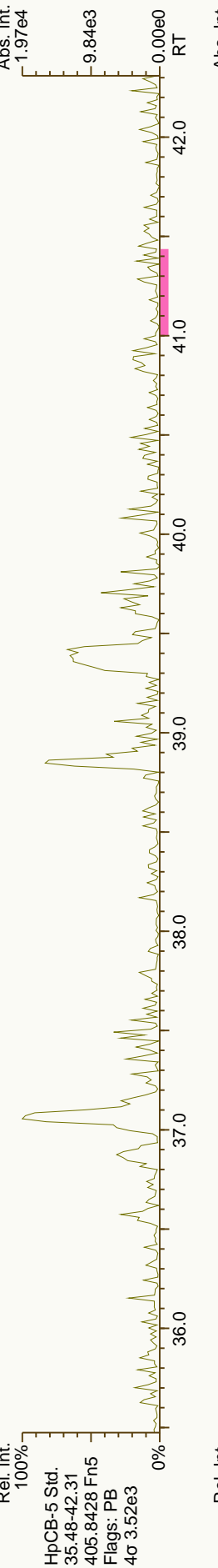
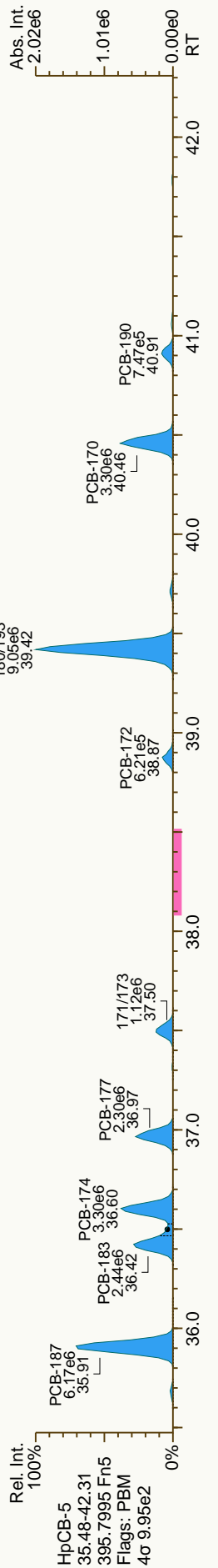
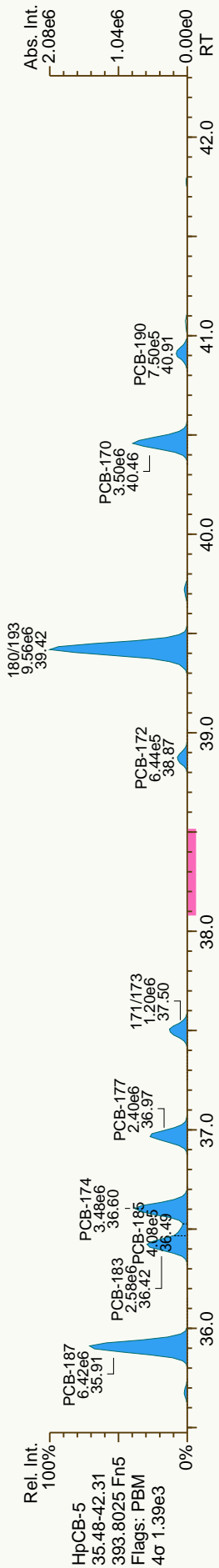


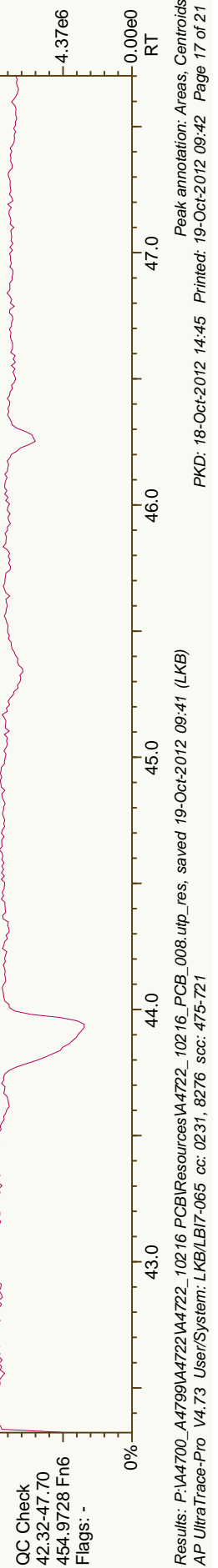
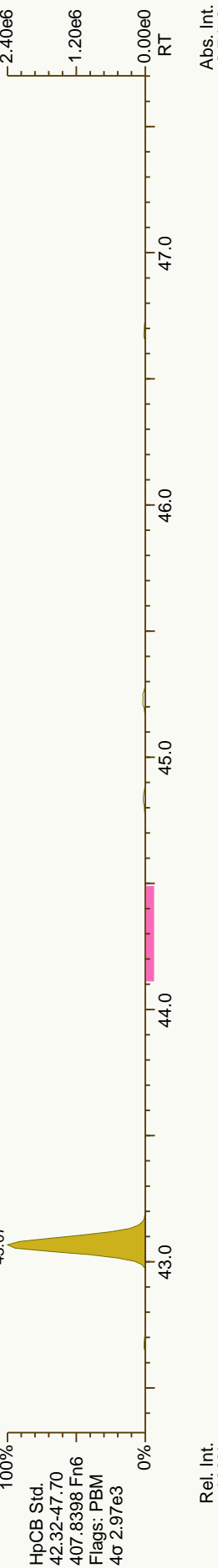
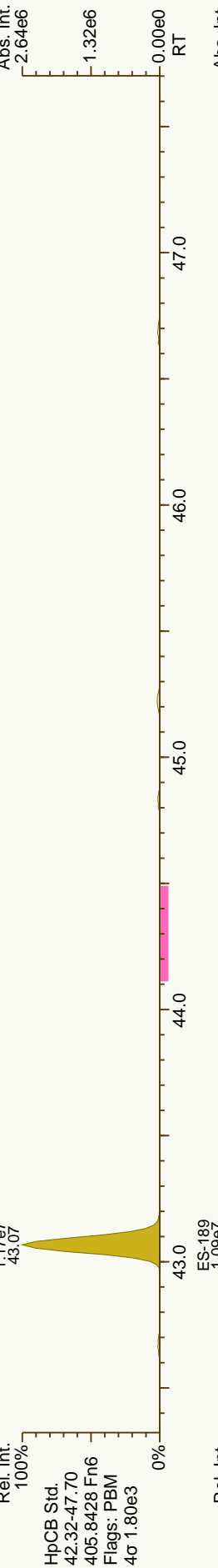
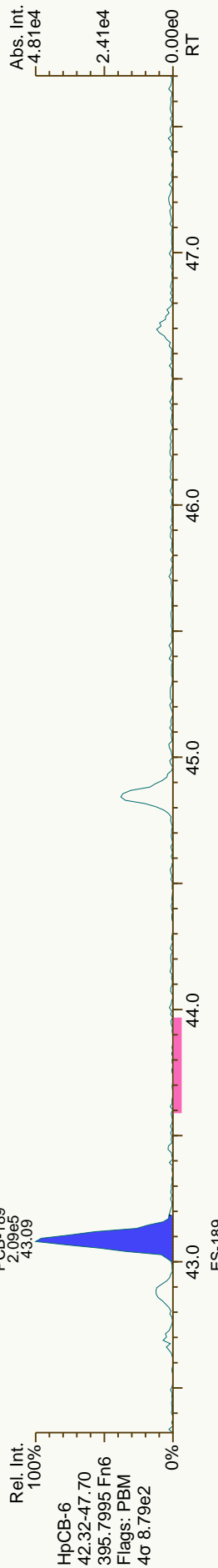
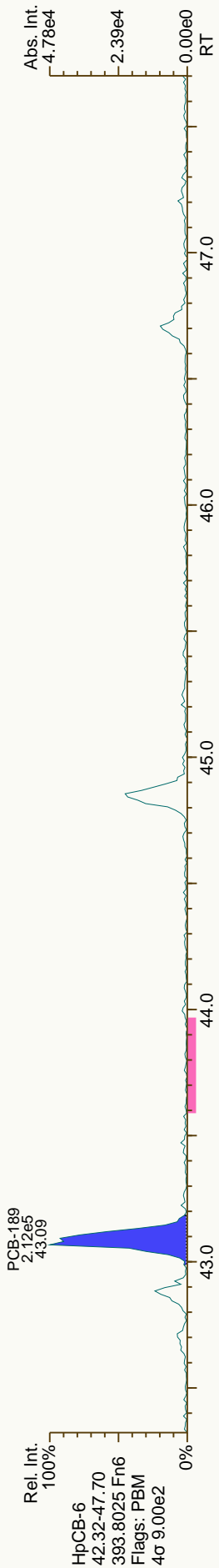


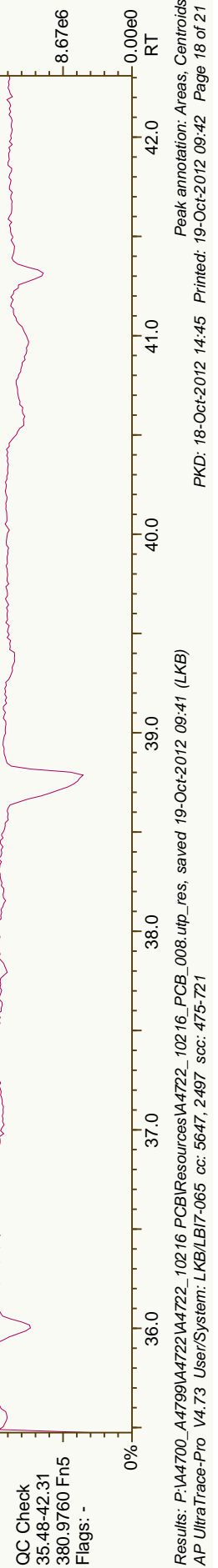
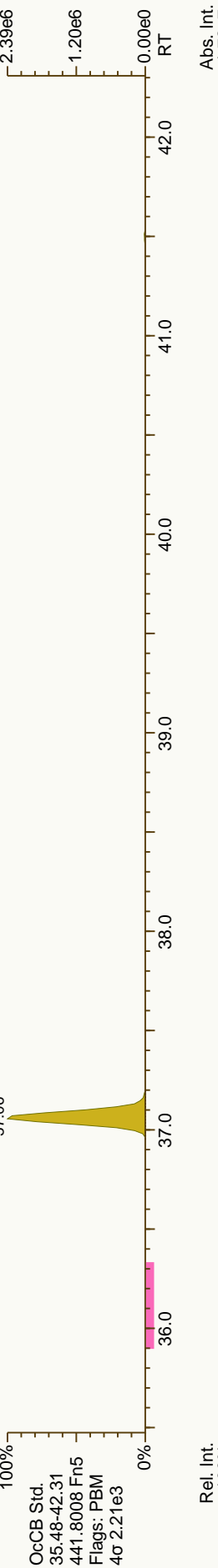
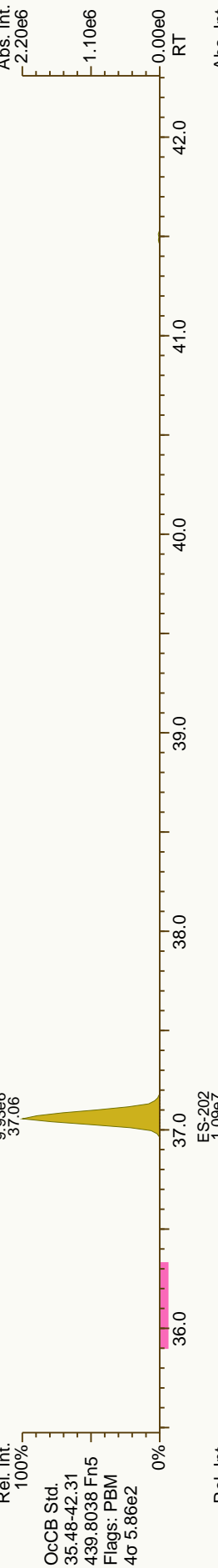
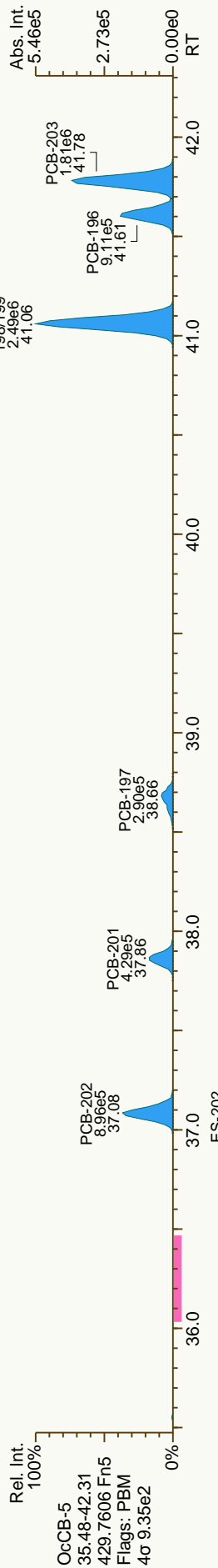
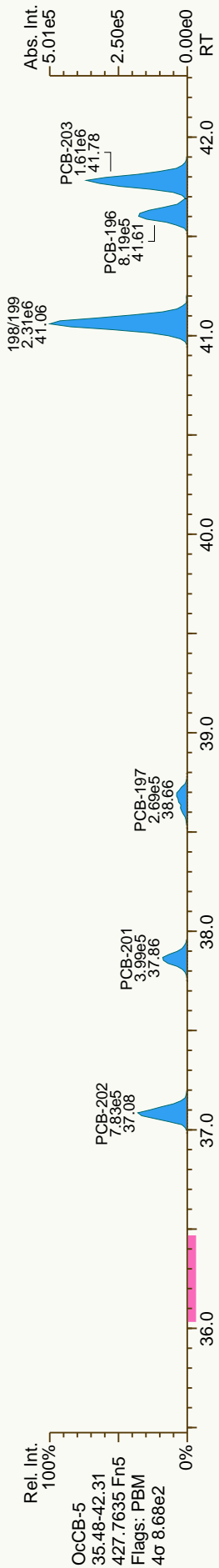


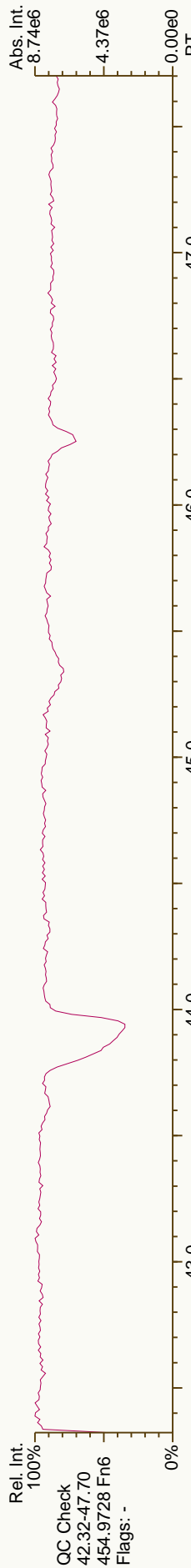
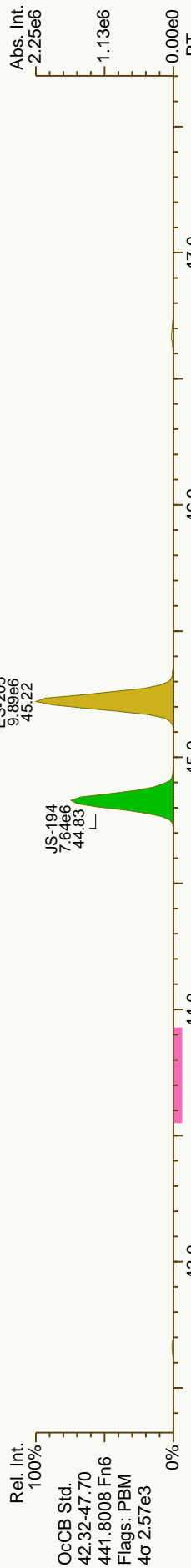
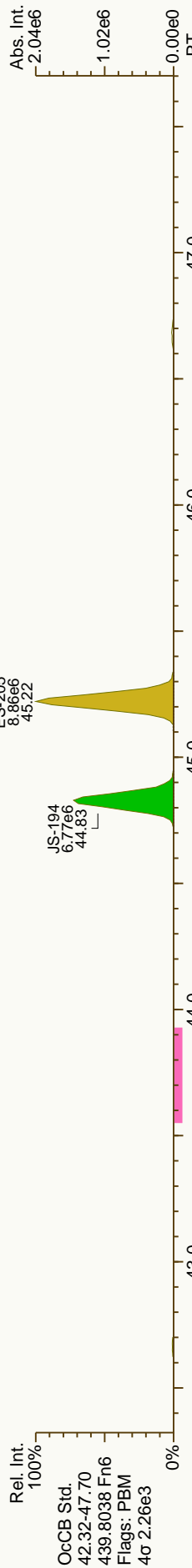
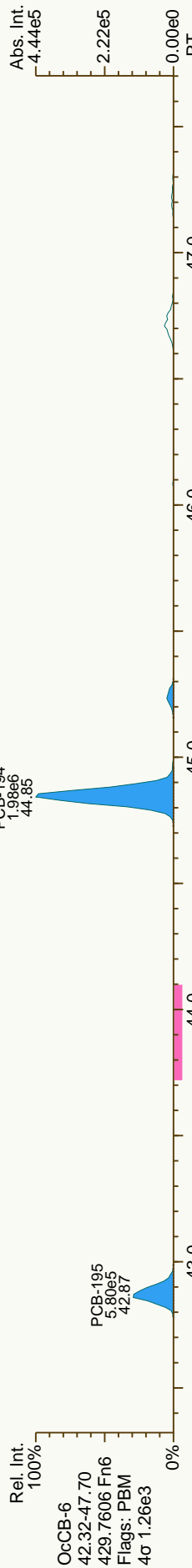
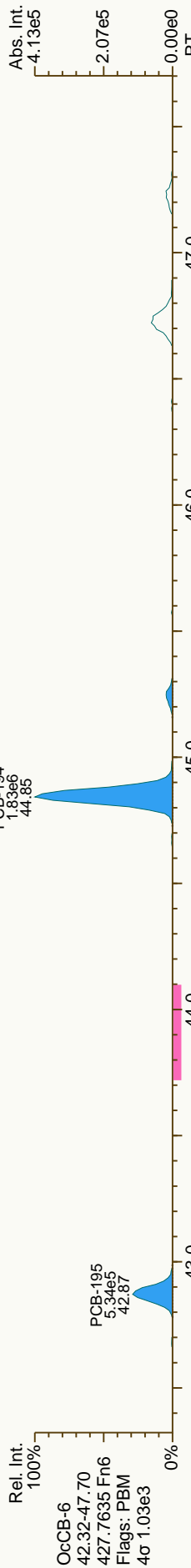


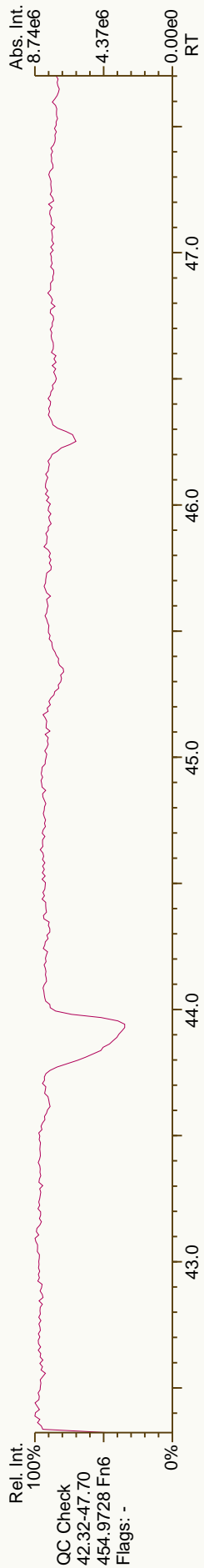
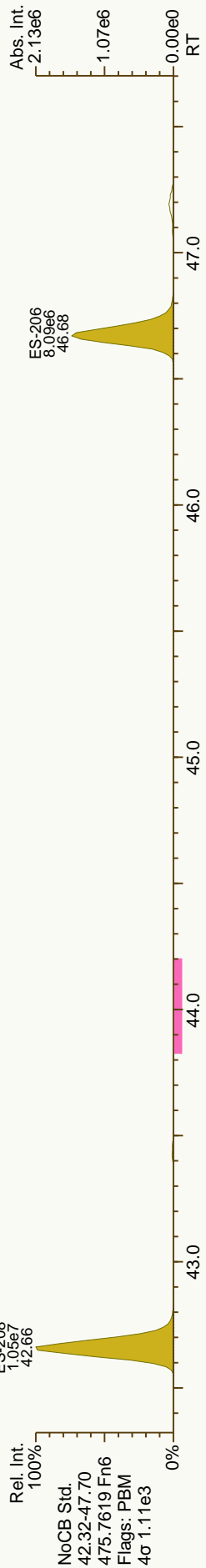
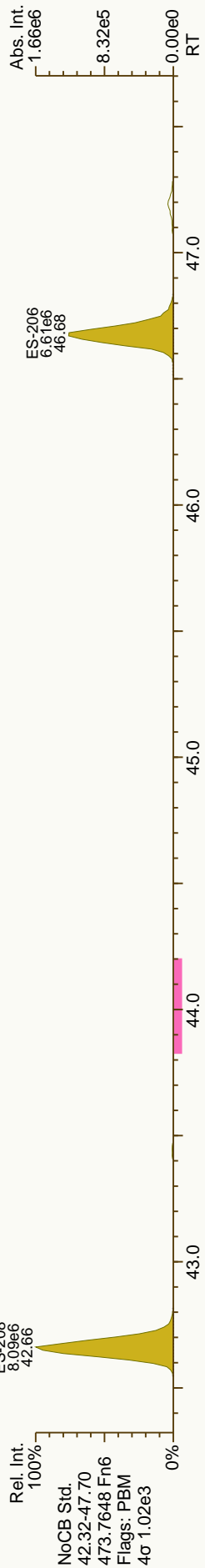
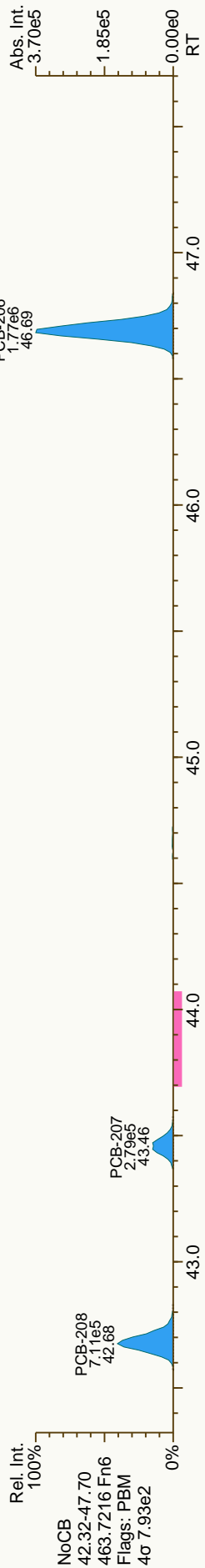
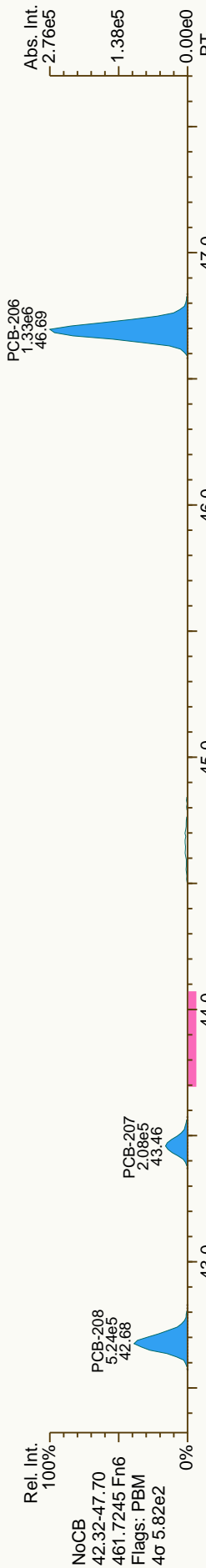


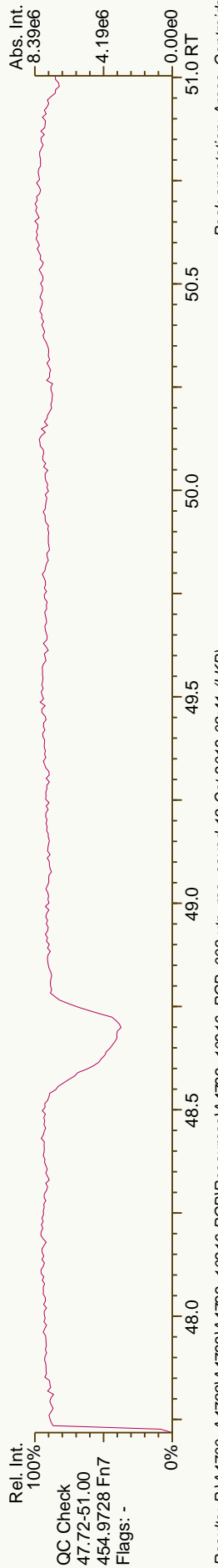
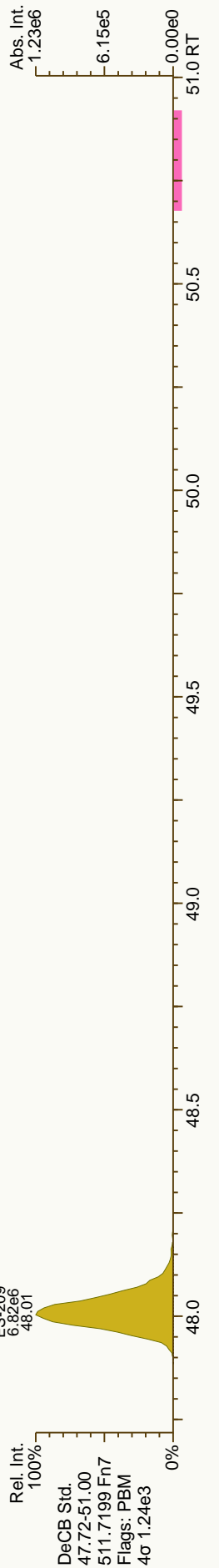
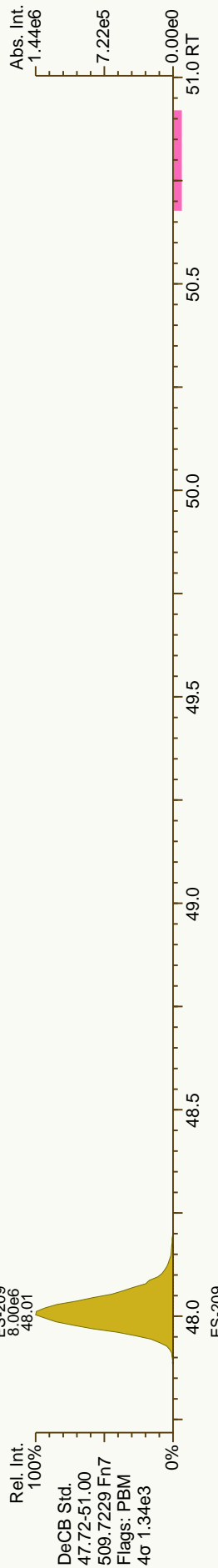
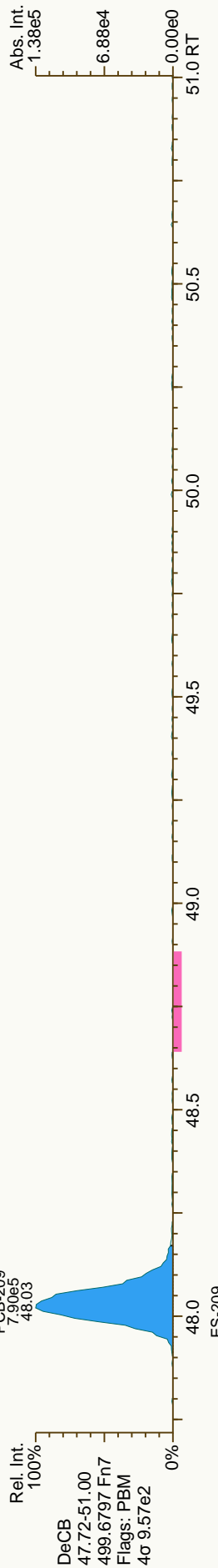
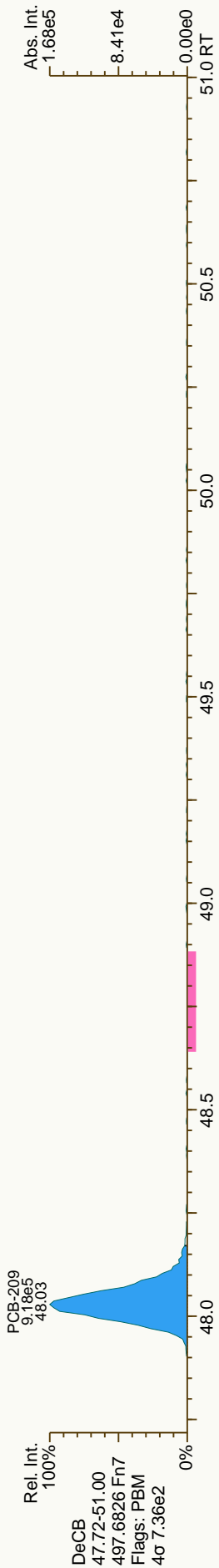












Results of JW-EA09-SS34-120507

Client Sample ID: **JW-EA09-SS34-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249009-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 14:11
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 58.30

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
2,3,7,8-TCDD		0.448	J	0.0712	0.500	pg/g	27.56	0.61*
1,2,3,7,8-PeCDD	1.20		J	0.0913	2.50	pg/g	33.84	1.75
1,2,3,4,7,8-HxCDD	1.62		J	0.193	2.50	pg/g	38.49	1.41
1,2,3,6,7,8-HxCDD	10.1			0.214	2.50	pg/g	38.62	1.32
1,2,3,7,8,9-HxCDD	4.76			0.204	2.50	pg/g	38.97	1.23
1,2,3,4,6,7,8-HpCDD	94.1			0.434	2.50	pg/g	42.65	1.02
OCDD	619			0.231	5.00	pg/g	46.40	0.89
2,3,7,8-TCDF	3.18			0.0802	0.500	pg/g	26.56	0.78
2,3,7,8-TCDF [confirm]	2.98			0.0799	1.71	pg/g	20.99	0.82
1,2,3,7,8-PeCDF	0.936		J	0.0700	2.50	pg/g	32.11	1.41
2,3,4,7,8-PeCDF	1.54		J	0.0706	2.50	pg/g	33.43	1.72
1,2,3,4,7,8-HxCDF	1.42		J	0.0618	2.50	pg/g	37.33	1.33
1,2,3,6,7,8-HxCDF	1.00		J	0.0593	2.50	pg/g	37.49	1.30
2,3,4,6,7,8-HxCDF	1.52		J	0.0632	2.50	pg/g	38.26	1.31
1,2,3,7,8,9-HxCDF	ND		U	0.0834	2.50	pg/g		
1,2,3,4,6,7,8-HpCDF	19.3			0.136	2.50	pg/g	41.38	1.04
1,2,3,4,7,8,9-HpCDF	0.975		J	0.157	2.50	pg/g	43.25	1.12
OCDF	31.5			0.145	5.00	pg/g	46.64	0.91
Total TCDD	31.9	32.5		0.0712	0.500	pg/g		
Total TCDF	39.2	39.6		0.0802	0.500	pg/g		
Total PeCDD	30.7	31.4		0.0913	2.50	pg/g		
Total PeCDF	19.7	20.4		0.0703	2.50	pg/g		
Total HxCDD	103			0.204	2.50	pg/g		
Total HxCDF	30.1	30.4		0.0662	2.50	pg/g		
Total HpCDD	214			0.434	2.50	pg/g		
Total HpCDF	52.2			0.146	2.50	pg/g		

World Health Organization Summary

	<u>Units</u>	<u>ND=0</u>	<u>ND=½</u>	<u>ND=DL</u>
WHO-2005 TEQ	pg/g	5.37	5.41	5.45
WHO-2005 TEQ w/EMPC	pg/g	5.82	5.82	5.83

Results of JW-EA09-SS34-120507

Client Sample ID: **JW-EA09-SS34-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249009-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 14:11
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 58.30

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
13C-2378-TCDD	93.0				25.0-164	%		
13C-12378-PeCDD	94.0				25.0-181	%		
13C-123478-HxCDD	91.0				32.0-141	%		
13C-123678-HxCDD	84.0				28.0-130	%		
13C-1234678-HpCDD	100				23.0-140	%		
13C-OCDD	85.0				17.0-157	%		
13C-2378-TCDF	91.0				24.0-169	%		
13C-12378-PeCDF	99.0				24.0-185	%		
13C-23478-PeCDF	89.0				21.0-178	%		
13C-123478-HxCDF	98.0				26.0-152	%		
13C-123678-HxCDF	101				26.0-123	%		
13C-234678-HxCDF	101				29.0-147	%		
13C-123789-HxCDF	98.0				28.0-136	%		
13C-1234678-HpCDF	86.0				28.0-143	%		
13C-1234789-HpCDF	97.0				26.0-138	%		
37Cl-2378-TCDD	102				35.0-197	%		

Batch Information

Analytical Batch: **HRD1902**
 Analytical Method: **EPA 1613B**
 Instrument: **APHRMS**
 Analyst: **MDC**
 Analytical Date/Time: **10/19/2012 18:57**

Prep Batch: **HXX1802**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/10/2012 09:35**
 Prep Initial Wt./Vol.: **17.15 g**
 Prep Extract Vol: **20 uL**

Analytical Batch: **HRD1912**
 Analytical Method: **EPA 1613B**
 Instrument: **HRMS3**
 Analyst: **JHL**
 Analytical Date/Time: **10/31/2012 20:42**

Prep Batch: **HXX1802**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/10/2012 09:35**
 Prep Initial Wt./Vol.: **17.15 g**
 Prep Extract Vol: **20 uL**

Lab ID: A4722_10216_DF_002

Client ID: JW-EA09-SS34-120507

Datafile: 121019P1-06

Acq'd: 19 Oct 2012 18:57 MDC

UTP: 21-Oct-2012 10:23 MDC

Report: 21 Oct 2012 10:23 MC

Wt/Vol: 10.01 g

J-level: 0.5 pg/g

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

ICAL: 1613_SGS

Checkcode: 569-853-MJL



Table with columns: Name, Act RT, QC, Pred. RRT, Act. RRT, ΔSecs, Response, Ra, OK, RRF, Conc., Noise, DL. Contains multiple rows of analytical data for various compounds like TCDD, PeCDF, HxCDD, HxCDF, HpCDF, and OCDD.

Lab ID: A4722_10216_DF_002 Acq'd: 19 Oct 2012 18:57 MDC Wt/Vol: 10.01 g ICAL: 1613_SGS
 Client ID: JW-EA09-SS34-120507 UTP: 21-Oct-2012 10:23 MDC J-level: 0.5 pg/g Split: 1 Checkcode: 569-853-MJL
 Datafile: 121019P1-06 Report: 21 Oct 2012 10:23 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37Cl)

W#	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
120329	JS 1234-TCDD	26.78		-	-	-	3.21E+07	0.81	Y	-	-
120329	JS 123789-HxCDD	38.95		-	-	-	2.33E+07	1.26	Y	-	-
	CS 37Cl-2378-TCDD	27.55		1.0291	1.0287	-0.6	7.65E+06	n/a	-	1.17	102

SS 37Cl-2378-TCDD	27.55		1.0291	1.0287	-0.6	7.65E+06	n/a	-	1.12	109
-------------------	-------	--	--------	--------	------	----------	-----	---	------	-----

Totals	Conc	EMPC	EDL
Total TCDD	31.8	32.5	0.0712
Total PeCDD	30.7	31.3	0.0912
Total HxCDD	103	103	0.203
Total HpCDD	213	213	0.433
Total Tetra-Octa Dioxins	997	998	
Total TCDF	39.1	39.5	0.0801
Total PeCDF	19.7	20.3	0.0702
Total HxCDF	30	30.4	0.0661
Total HpCDF	52.1	52.1	0.146
Total Tetra-Octa Furans	172	174	
Total Tetra-Octa Dioxins & Furans	1170	1170	

Lab ID: A4722_10216_DF_002 Acq'd: 19 Oct 2012 18:57 MDC Wt/Vol: 10.01 g ICAL: 1613_SGS
 Client ID: JW-EA09-SS34-120507 UTP: 21-Oct-2012 10:23 MDC J-level: 0.5 pg/g Split: 1 Checkcode: 569-853-MJL
 Datafile: 121019P1-06 Report: 21 Oct 2012 10:23 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

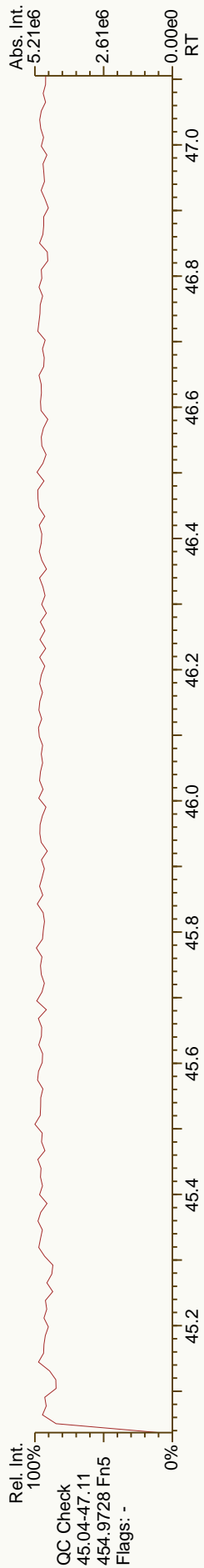
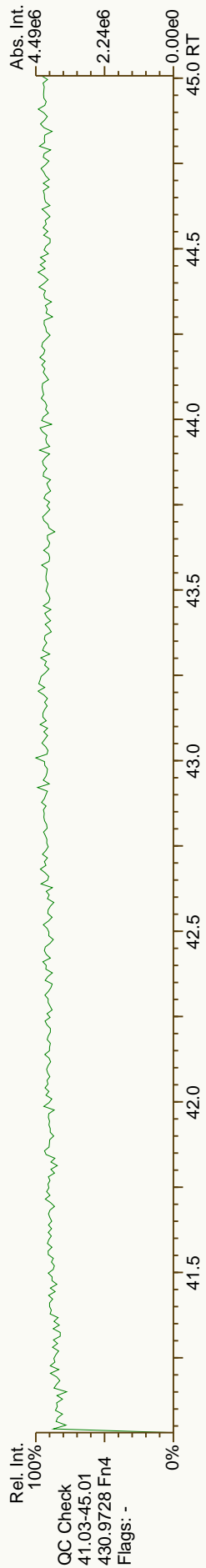
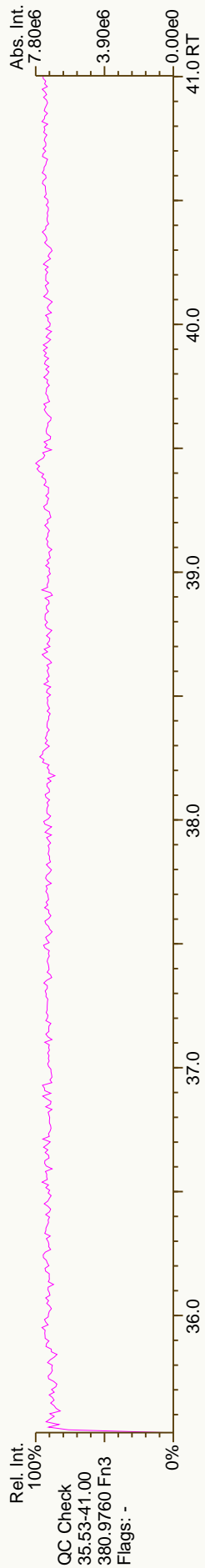
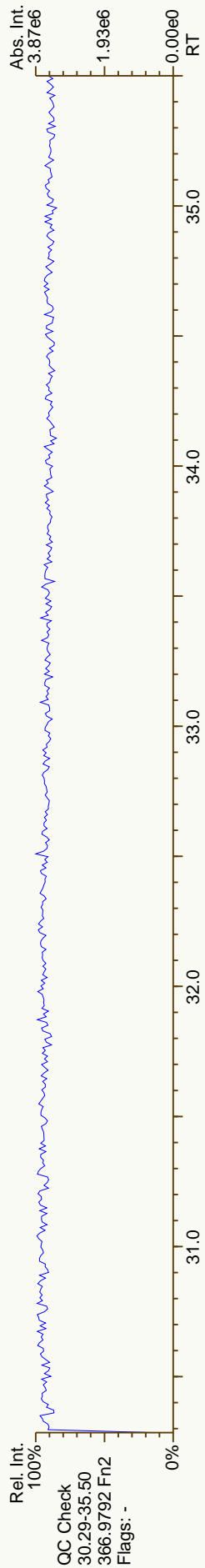
Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	TCDD	23.44		0.8504	0.8515	+1.8	1.82E+06	0.80	Y	1.08	10.8	985	0.0712
2	TCDD	23.84		0.8649	0.8660	+1.8	1.34E+06	0.76	Y	1.08	7.98	985	0.0712
3	TCDD	24.31		0.8835	0.8831	-0.7	8.84E+04	0.66	Y	1.08	0.525	985	0.0712
4	TCDD	25.19		0.9152	0.9152	0	4.18E+05	0.80	Y	1.08	2.48	985	0.0712
	TCDD	25.45		0.9241	0.9245	+0.7	2.08E+05	0.74	Y	1.08	1.23	985	0.0712
	TCDD	25.67		0.9327	0.9326	-0.2	5.11E+05	0.81	Y	1.08	3.03	985	0.0712
	TCDD	25.89		0.9408	0.9405	-0.5	7.41E+04	0.73	Y	1.08	0.44	985	0.0712
	TCDD	26.18		0.9512	0.9510	-0.3	2.76E+04	0.66	Y	1.08	0.164	985	0.0712
	TCDD	26.37		0.9580	0.9579	-0.2	9.51E+04	0.77	Y	1.08	0.564	985	0.0712
	TCDD	26.81		0.9736	0.9739	+0.5	3.69E+05	0.79	Y	1.08	2.19	985	0.0712
	TCDD	NotFnd		0.9785						1.08		985	0.0712
	TCDD	27.24		0.9884	0.9894	+1.7	3.52E+05	0.81	Y	1.08	2.09	985	0.0712
	TCDD	27.38		0.9945	0.9947	+0.3	2.98E+04	0.61	N	1.08	0.177	985	0.0712
	2378-TCDD	27.56		1.0009	1.0010	+0.2	7.54E+04	0.61	N	1.08	0.447	985	0.0712
	TCDD	27.93		1.0147	1.0147	0	5.36E+04	0.79	Y	1.08	0.318	985	0.0712
	TCDD	NotFnd		1.0206						1.08		985	0.0712
	TCDD	NotFnd		1.0423						1.08		985	0.0712
1	PeCDD	30.89		0.9131	0.9132	+0.2	9.67E+05	1.64	Y	1.07	6.91	1225	0.0912
2	PeCDD	31.51		0.9319	0.9316	-0.6	8.72E+04	1.88	N	1.07	0.624	1225	0.0912
3	PeCDD	32.17		0.9511	0.9510	-0.2	1.09E+06	1.59	Y	1.07	7.8	1225	0.0912
	PeCDD	32.39		0.9576	0.9575	-0.2	1.81E+05	1.57	Y	1.07	1.29	1225	0.0912
	PeCDD	32.50		0.9611	0.9610	-0.2	1.12E+06	1.63	Y	1.07	8	1225	0.0912
	PeCDD	32.82		0.9703	0.9702	-0.2	1.86E+05	1.39	Y	1.07	1.33	1225	0.0912
	PeCDD	33.25		0.9829	0.9830	+0.2	3.43E+05	1.60	Y	1.07	2.45	1225	0.0912
	12378-PeCDD	33.84		1.0006	1.0006	0	1.68E+05	1.75	Y	1.07	1.2	1225	0.0912
	PeCDD	33.99		1.0039	1.0051	+2.4	1.87E+05	1.45	Y	1.07	1.34	1225	0.0912
	PeCDD	34.36		1.0161	1.0160	-0.2	5.48E+04	1.60	Y	1.07	0.392	1225	0.0912
	HxCDD	36.46		0.9479	0.9478	-0.2	1.89E+06	1.27	Y	1.01	18.2	2092	0.203
	HxCDD	37.24		0.9682	0.9680	-0.5	2.16E+06	1.27	Y	1.01	20.9	2092	0.203
	HxCDD	37.59		0.9771	0.9771	0	3.97E+06	1.25	Y	1.01	38.4	2092	0.203
	HxCDD	37.75		0.9811	0.9811	0	7.88E+05	1.24	Y	1.01	7.62	2092	0.203
	123478-HxCDD	38.49		1.0004	1.0004	0	1.69E+05	1.41	Y	1.05	1.62	2092	0.193
	123678-HxCDD	38.62		1.0039	1.0039	0	1.04E+06	1.32	Y	0.98	10.1	2092	0.213
	HxCDD	38.84		1.0097	1.0097	0	1.06E+05	1.25	Y	1.01	1.03	2092	0.203
	123789-HxCDD	38.97		1.0129	1.0129	0	4.90E+05	1.23	Y	1.01	4.76	2092	0.204

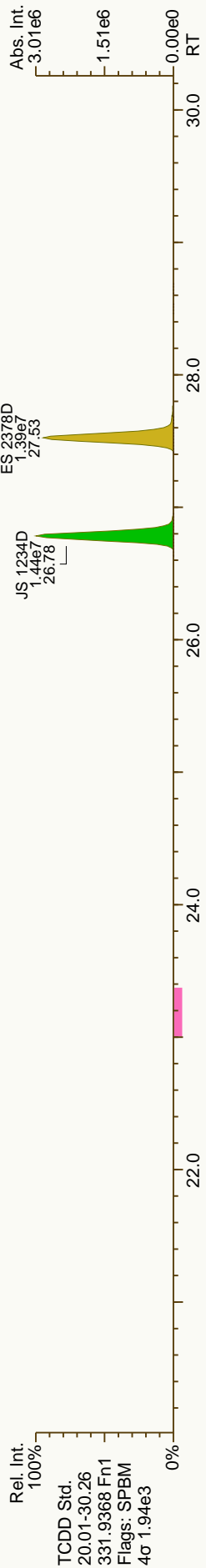
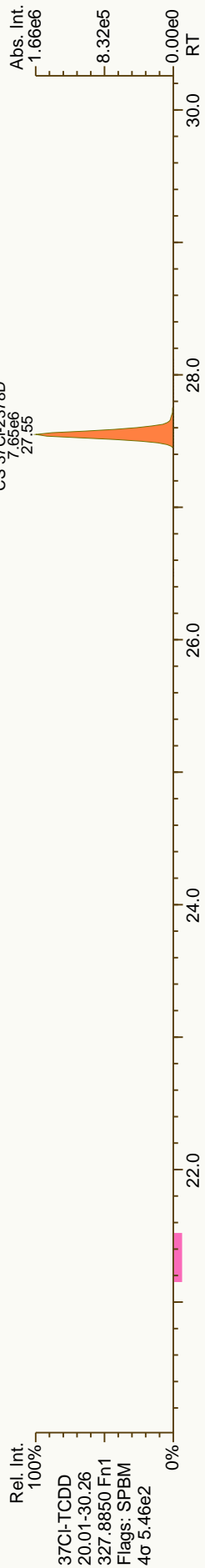
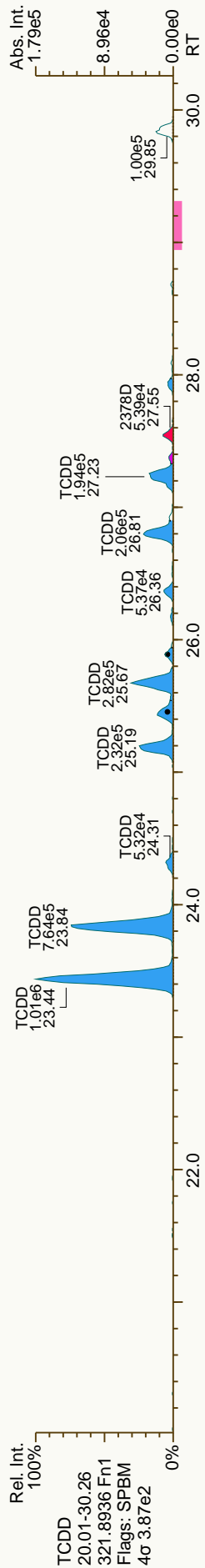
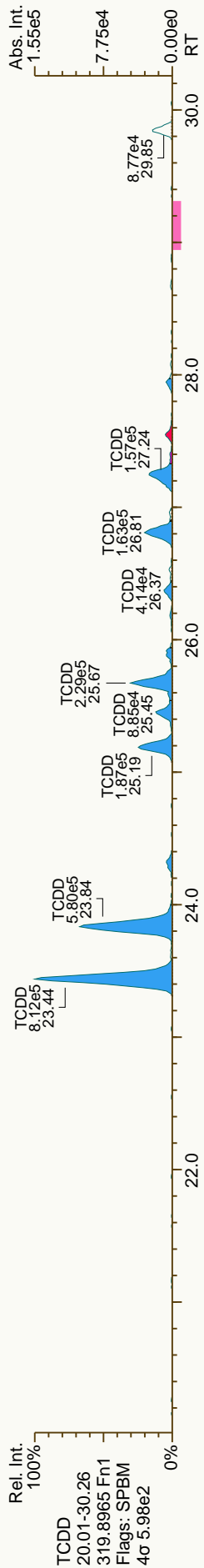
Lab ID: A4722_10216_DF_002 Acq'd: 19 Oct 2012 18:57 MDC Wt/Vol: 10.01 g ICAL: 1613_SGS
 Client ID: JW-EA09-SS34-120507 UTP: 21-Oct-2012 10:23 MDC J-level: 0.5 pg/g Split: 1 Checkcode: 569-853-MJL
 Datafile: 121019P1-06 Report: 21 Oct 2012 10:23 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

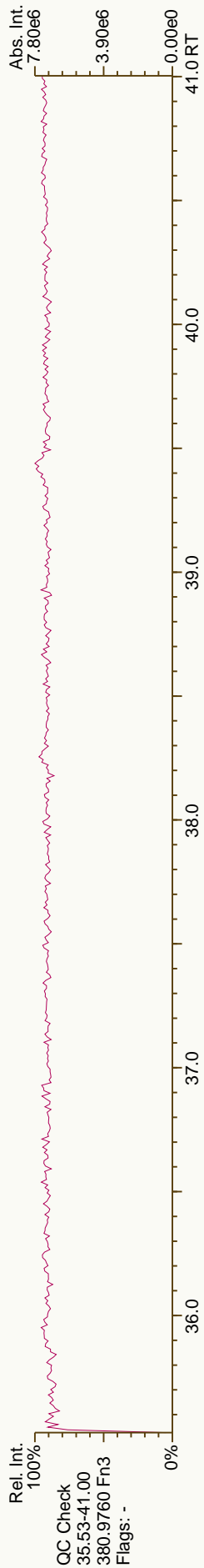
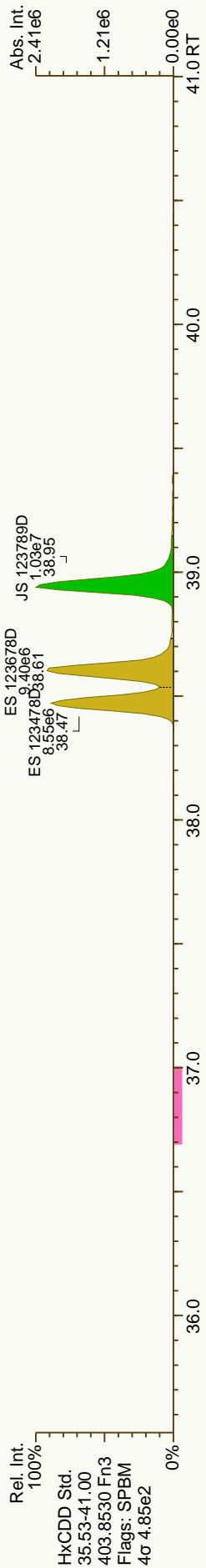
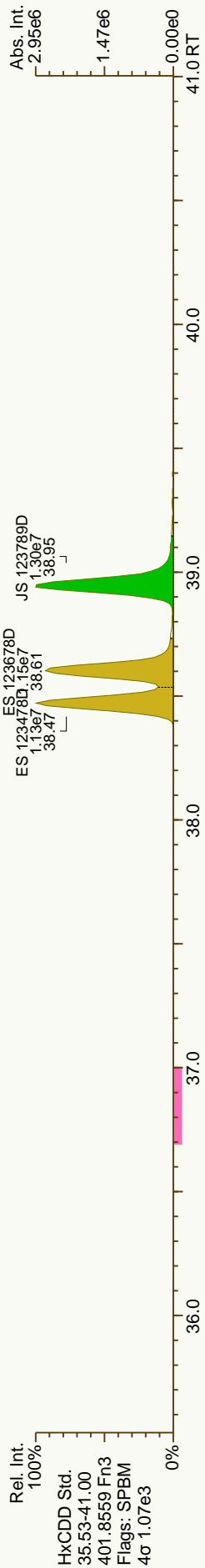
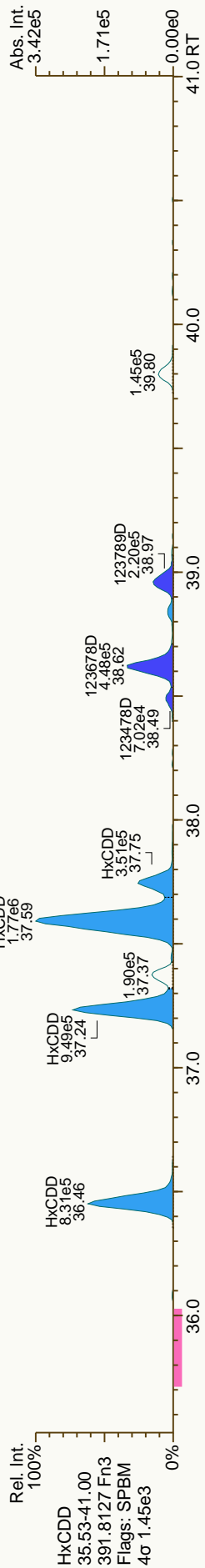
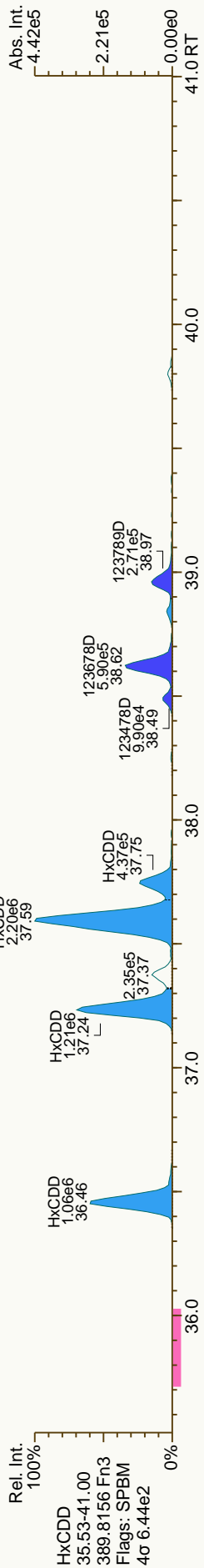
Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	HP-CDD	41.74		0.9793	0.9791	-0.5	1.21E+07	1.02	Y	1.09	119	4670	0.433
2	234678-HP-CDD	42.65		1.0005	1.0004	-0.3	9.53E+06	1.02	Y	1.09	94	4670	0.433
3	OCDD	46.40		1.0005	1.0003	-0.6	4.29E+07	0.89	Y	1.11	618	1336	0.23
4	OCDD-a	46.39		1.0001	1.0001	0	2.39E+06	2.30	Y	1.00	38.1	1280	0.244
5	TCDF	21.23		0.7983	0.8001	+2.9	4.10E+05	0.76	Y	0.98	1.65	1635	0.0801
6	TCDF	21.79		0.8218	0.8213	-0.8	2.55E+05	0.87	Y	0.98	1.03	1635	0.0801
7	TCDF	22.45		0.8463	0.8461	-0.3	7.74E+05	0.80	Y	0.98	3.12	1635	0.0801
8	TCDF	22.89		0.8625	0.8626	+0.2	3.41E+05	0.81	Y	0.98	1.37	1635	0.0801
9	TCDF	23.02		0.8677	0.8675	-0.3	1.00E+06	0.76	Y	0.98	4.05	1635	0.0801
10	TCDF	23.31		0.8787	0.8784	-0.5	2.23E+05	0.76	Y	0.98	0.9	1635	0.0801
11	TCDF	23.44		0.8840	0.8833	-1.1	6.06E+05	0.75	Y	0.98	2.45	1635	0.0801
12	TCDF	23.87		0.8998	0.8996	-0.3	4.36E+05	0.81	Y	0.98	1.76	1635	0.0801
13	TCDF	24.02		0.9054	0.9051	-0.5	2.09E+05	0.72	Y	0.98	0.843	1635	0.0801
14	TCDF	24.20		0.9125	0.9121	-0.6	3.73E+05	0.78	Y	0.98	1.5	1635	0.0801
15	TCDF	24.62		0.9279	0.9280	+0.2	1.88E+05	0.79	Y	0.98	0.757	1635	0.0801
16	TCDF	24.76		0.9334	0.9332	-0.3	3.95E+05	0.82	Y	0.98	1.59	1635	0.0801
17	TCDF	24.93		0.9381	0.9397	+2.5	6.92E+05	0.73	Y	0.98	2.79	1635	0.0801
18	TCDF	25.05		0.9439	0.9442	+0.5	5.22E+05	0.87	Y	0.98	2.1	1635	0.0801
19	TCDF	25.55		0.9630	0.9630	0	7.02E+05	0.76	Y	0.98	2.83	1635	0.0801
20	TCDF	25.67		0.9674	0.9673	-0.2	3.64E+04	0.74	Y	0.98	0.147	1635	0.0801
21	TCDF	25.86		0.9746	0.9746	0	2.52E+05	0.70	Y	0.98	1.02	1635	0.0801
22	TCDF	26.07		0.9829	0.9826	-0.5	2.00E+05	0.67	Y	0.98	0.808	1635	0.0801
23	TCDF	26.31		0.9916	0.9917	+0.2	3.04E+05	0.74	Y	0.98	1.22	1635	0.0801
24	TCDF	26.43		0.9963	0.9962	-0.2	1.81E+05	0.74	Y	0.98	0.731	1635	0.0801
25	2378-TCDF	26.56		1.0009	1.0009	0	7.87E+05	0.78	Y	0.98	3.17	1635	0.0801
26	TCDF	26.97		1.0166	1.0166	0	7.62E+05	0.73	Y	0.98	3.07	1635	0.0801
27	TCDF	27.24		1.0274	1.0268	-1.0	4.66E+04	0.76	Y	0.98	0.188	1635	0.0801
28	TCDF	NotFnd		1.0390						0.98		1635	0.0801
29	TCDF	28.86		1.0886	1.0876	-1.6	1.01E+05	1.16	N	0.98	0.406	1635	0.0801
30	PeCDF	28.84		0.8975	0.8989	+2.7	1.55E+06	1.64	Y	1.00	6.91	1179	0.0556
31	PeCDF	30.62		0.9542	0.9543	+0.2	3.58E+05	1.59	Y	1.00	1.59	1488	0.0702
32	PeCDF	30.80		0.9587	0.9599	+2.3	9.02E+05	1.54	Y	1.00	4.01	1488	0.0702
33	PeCDF	30.91		0.9636	0.9634	-0.4	1.19E+05	1.20	N	1.00	0.531	1488	0.0702
34	PeCDF	31.02		0.9671	0.9666	-1.0	4.21E+04	1.45	Y	1.00	0.187	1488	0.0702
35	PeCDF	31.31		0.9760	0.9758	-0.4	6.23E+04	1.51	Y	1.00	0.277	1488	0.0702
36	PeCDF	31.48		0.9810	0.9812	+0.4	4.02E+04	1.75	Y	1.00	0.179	1488	0.0702

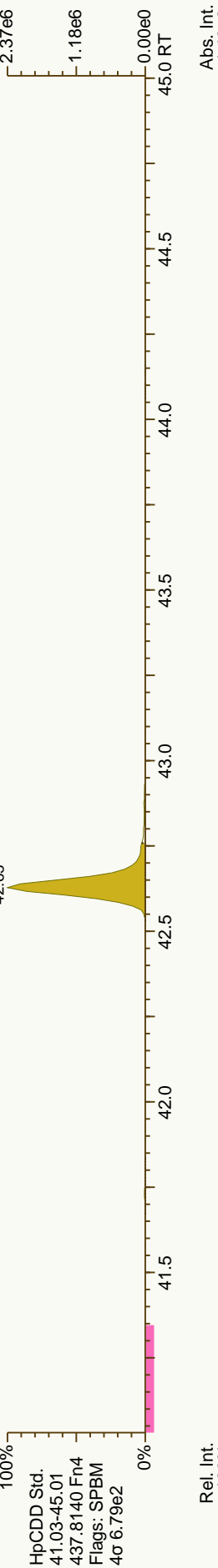
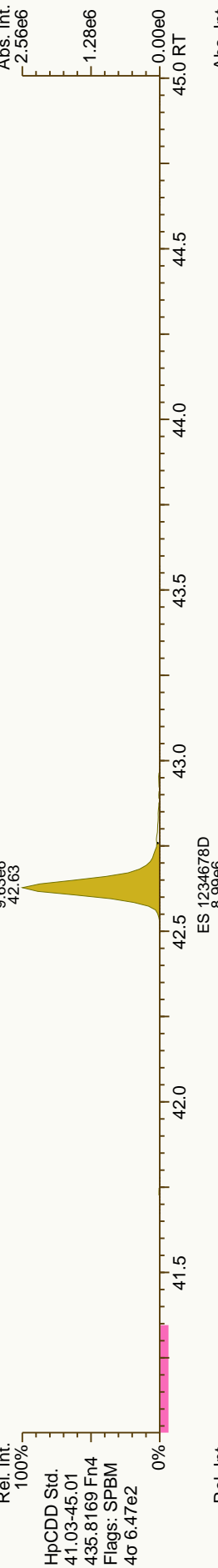
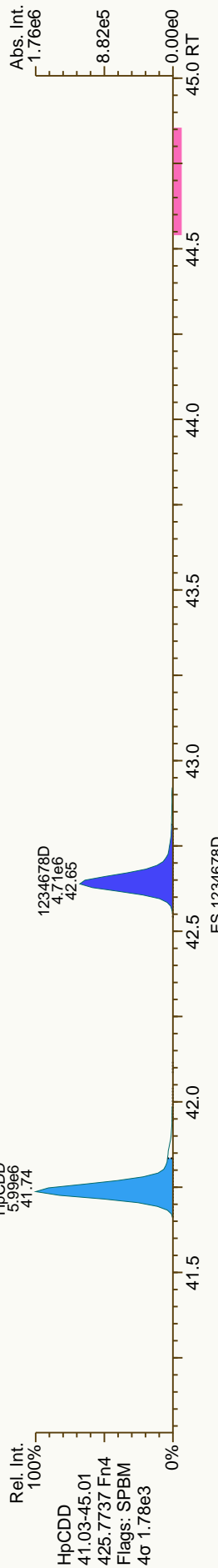
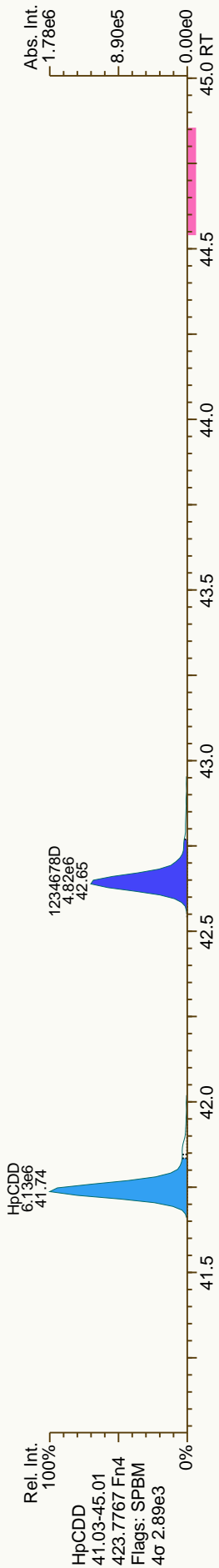
Lab ID: A4722_10216_DF_002 Acq'd: 19 Oct 2012 18:57 MDC Wt/Vol: 10.01 g ICAL: 1613_SGS
 Client ID: JW-EA09-SS34-120507 UTP: 21-Oct-2012 10:23 MDC J-level: 0.5 pg/g Split: 1 Checkcode: 569-853-MJL
 Datafile: 121019P1-06 Report: 21 Oct 2012 10:23 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C)

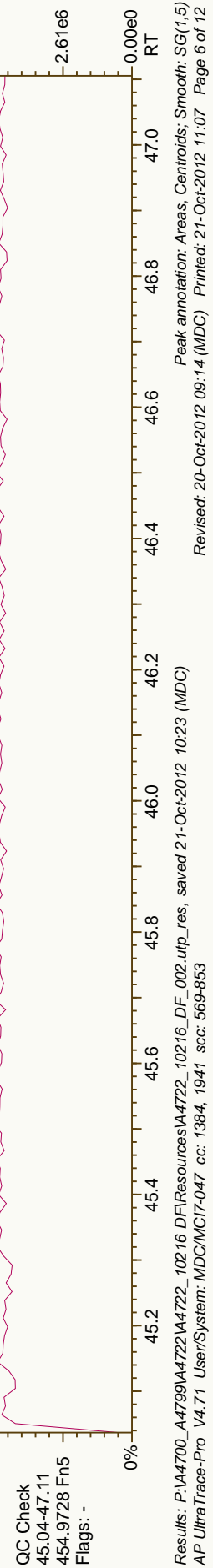
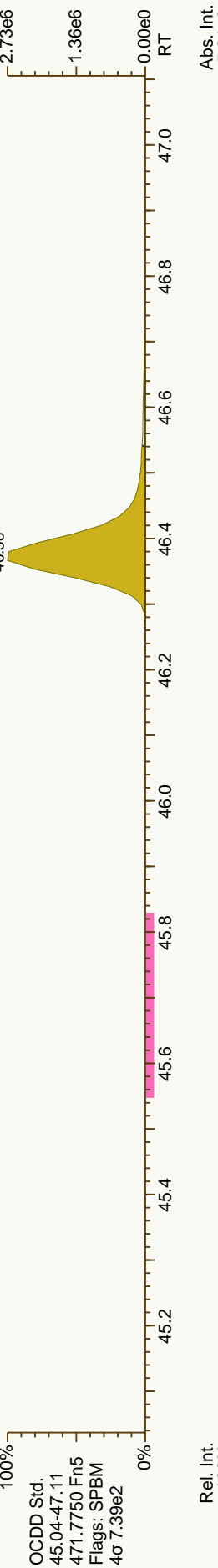
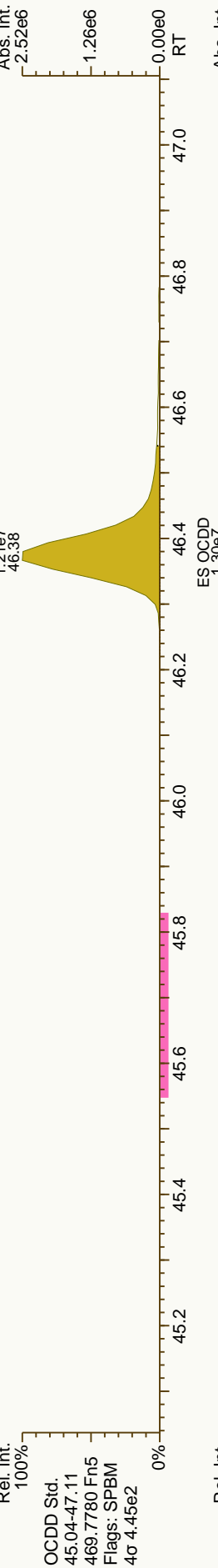
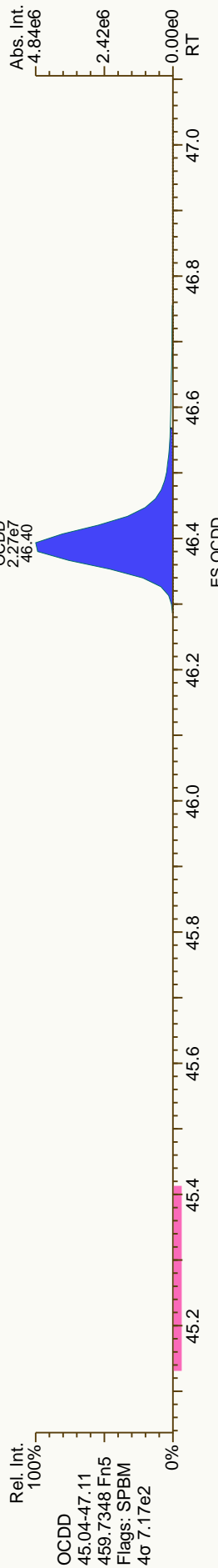
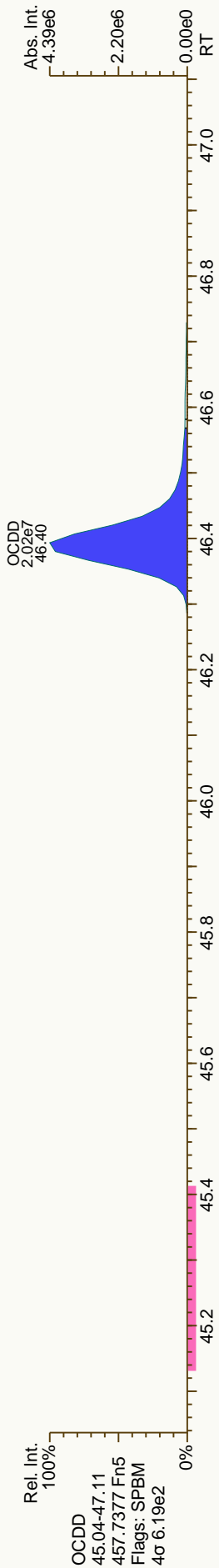
Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	PeCDF	31.60		0.9847	0.9847	0	3.37E+05	1.46	Y	1.00	1.5	1488	0.0702
2	PeCDF	31.69		0.9870	0.9877	+1.3	3.33E+04	2.01	N	1.00	0.148	1488	0.0702
3	PeCDF	31.86		0.9930	0.9930	0	6.54E+04	1.52	Y	1.00	0.291	1488	0.0702
4	12378-PeCDF	32.11		1.0007	1.0006	-0.2	2.18E+05	1.41	Y	0.99	0.935	1488	0.07
	PeCDF	32.44		1.0113	1.0110	-0.6	3.05E+05	1.50	Y	1.00	1.35	1488	0.0702
	PeCDF	NotFnd		1.0169						1.00		1488	0.0702
	PeCDF	33.12		0.9917	0.9913	-0.8	2.85E+04	1.71	Y	1.00	0.126	1488	0.0702
	PeCDF	33.28		0.9962	0.9962	0	1.72E+05	1.34	Y	1.00	0.767	1488	0.0702
	23478-PeCDF	33.43		1.0006	1.0008	+0.4	3.31E+05	1.72	Y	1.02	1.54	1488	0.0706
	PeCDF	NotFnd		0.0000						1.02	0		0
	PeCDF	NotFnd		1.0023						1.00		1488	0.0702
	PeCDF	NotFnd		1.0120						1.00		1488	0.0702
	PeCDF	NotFnd		1.0389						1.00		1488	0.0702
	HxCDF	35.67		0.9565	0.9563	-0.4	6.09E+05	1.19	Y	1.15	3.49	1121	0.0661
	HxCDF	35.91		0.9627	0.9625	-0.4	1.92E+06	1.27	Y	1.15	11	1121	0.0661
	HxCDF	36.19		0.9700	0.9702	+0.4	2.35E+04	1.08	Y	1.15	0.135	1121	0.0661
	HxCDF	36.41		0.9762	0.9762	0	7.02E+04	1.37	Y	1.15	0.402	1121	0.0661
	HxCDF	36.68		0.9833	0.9833	0	1.79E+06	1.29	Y	1.15	10.3	1121	0.0661
	HxCDF	37.18		0.9968	0.9967	-0.2	8.88E+04	1.22	Y	1.15	0.509	1121	0.0661
	123478-HxCDF	37.33		1.0006	1.0006	0	2.46E+05	1.33	Y	1.19	1.42	1121	0.0618
	123678-HxCDF	37.49		1.0005	1.0005	0	1.92E+05	1.30	Y	1.16	1	1121	0.0593
	HxCDF	NotFnd		1.0055						1.15		1121	0.0661
	HxCDF	37.86		1.0102	1.0103	+0.2	2.63E+04	1.11	Y	1.15	0.151	1121	0.0661
	HxCDF	38.01		0.9933	0.9935	+0.5	2.68E+04	1.17	Y	1.15	0.154	1121	0.0661
	234678-HxCDF	38.26		1.0006	1.0002	-0.9	2.82E+05	1.31	Y	1.18	1.52	1121	0.0632
	HxCDF	NotFnd		0.0000						1.18	0		0
	HxCDF	NotFnd		1.0009						1.15		1121	0.0661
	123789-HxCDF	NotFnd		1.0005						1.09		1121	0.0833
	HxCDF	NotFnd		0.0000						1.09	0		0
	123489-HxCDF	39.42		1.0013	1.0011	-0.5	6.74E+04	1.53	N	1.15	0.386	1121	0.0661
	1234678-HpCDF	41.38		1.0004	1.0004	0	2.76E+06	1.04	Y	1.35	19.3	1992	0.136
	HpCDF	41.73		1.0091	1.0090	-0.2	8.66E+04	0.96	Y	1.34	0.648	1992	0.146
	HpCDF	41.92		1.0140	1.0136	-1.0	4.18E+06	1.07	Y	1.34	31.2	1992	0.146
	1234789-HpCDF	43.25		1.0004	1.0003	-0.3	1.21E+05	1.12	Y	1.34	0.974	1992	0.157
	OCDF	46.64		1.0057	1.0056	-0.3	2.75E+06	0.91	Y	1.40	31.5	1060	0.145
	OCDF-a	46.63		1.0053	1.0054	+0.3	1.22E+05	2.97	N	1.00	1.95	1007	0.192

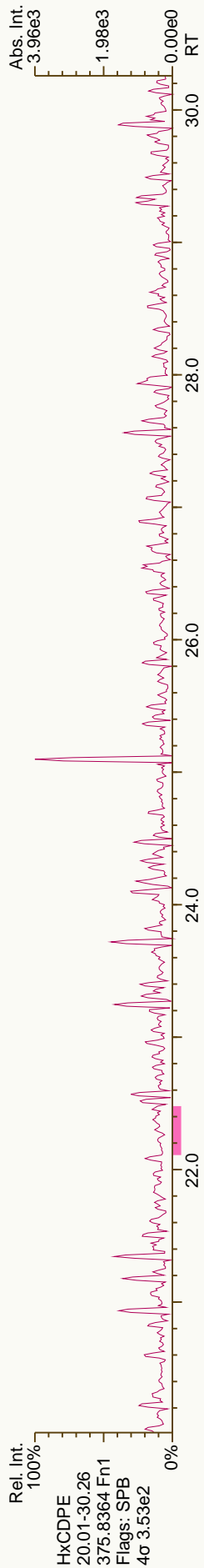
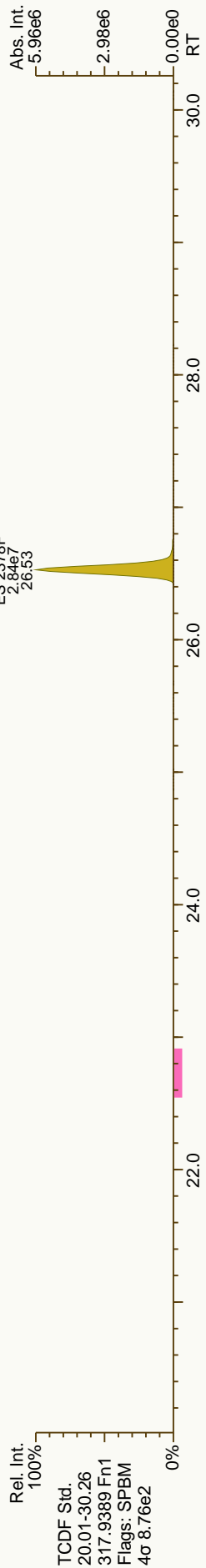
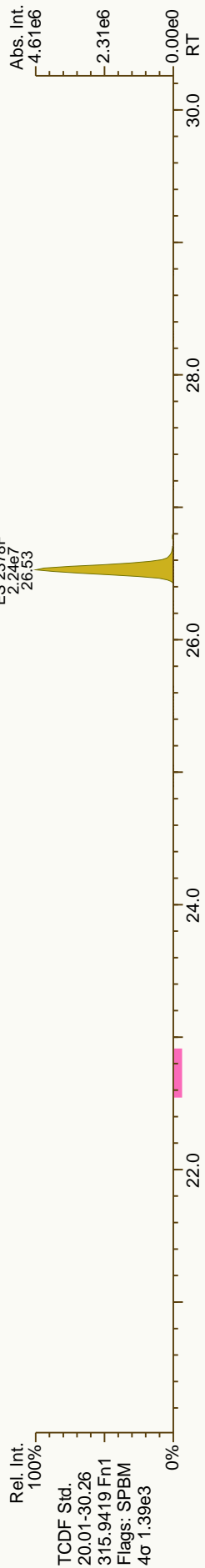
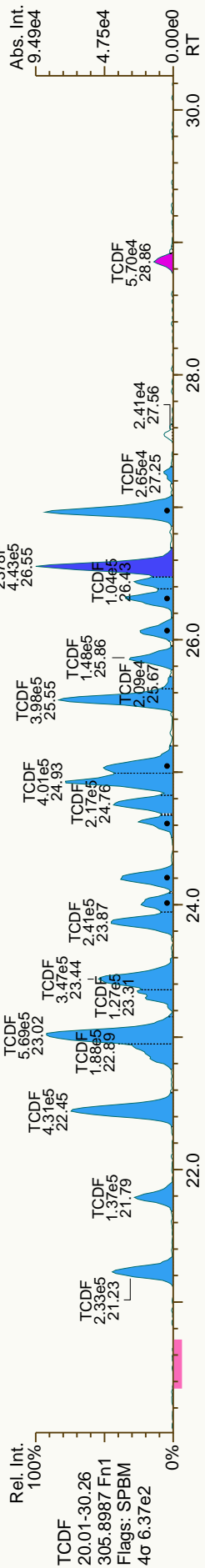
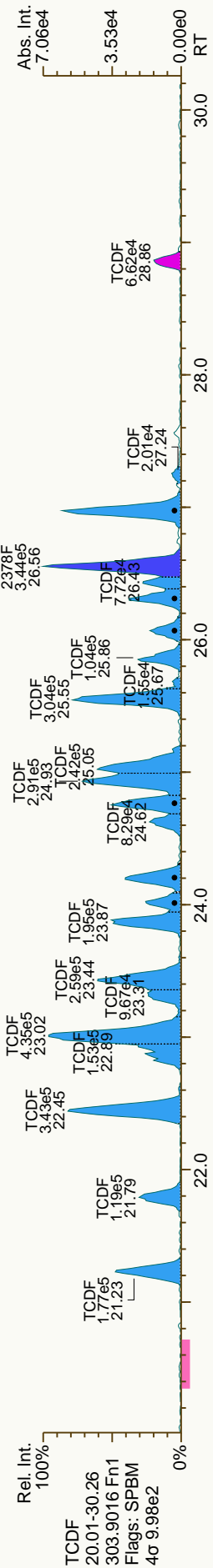


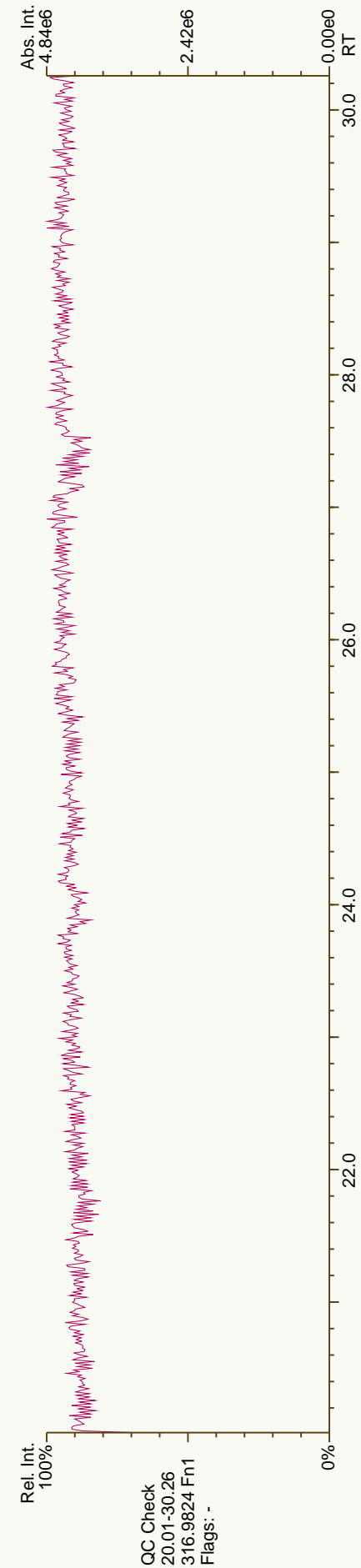
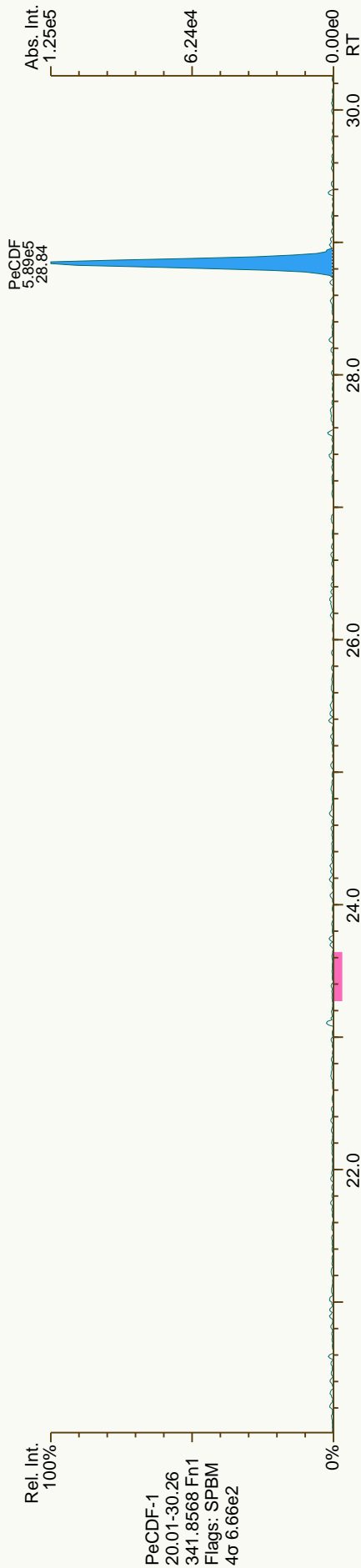
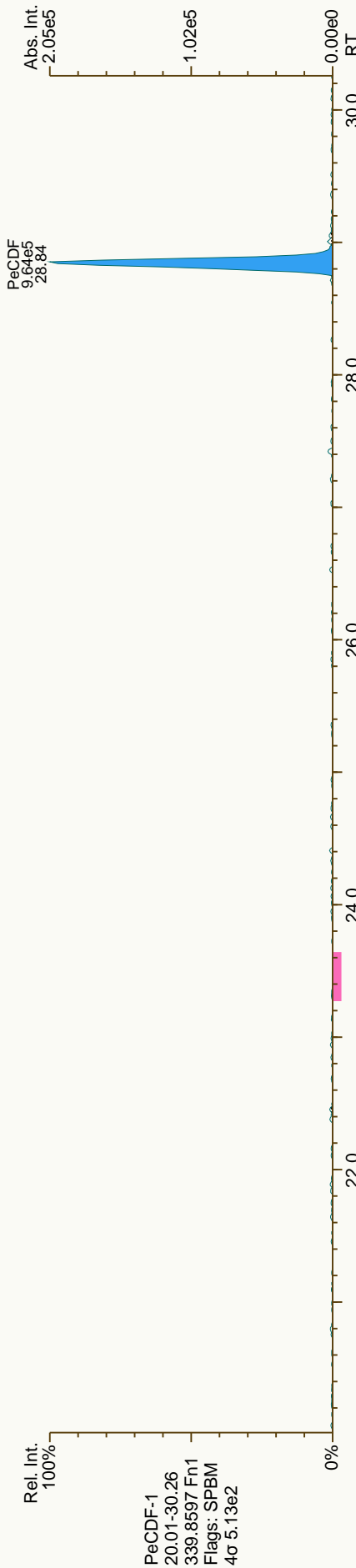


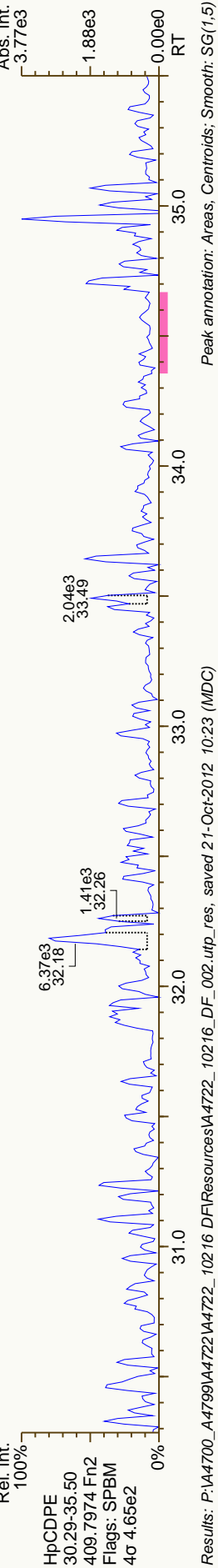
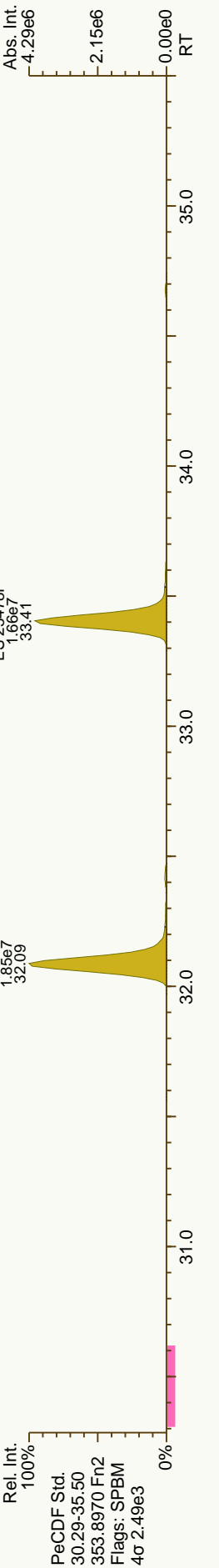
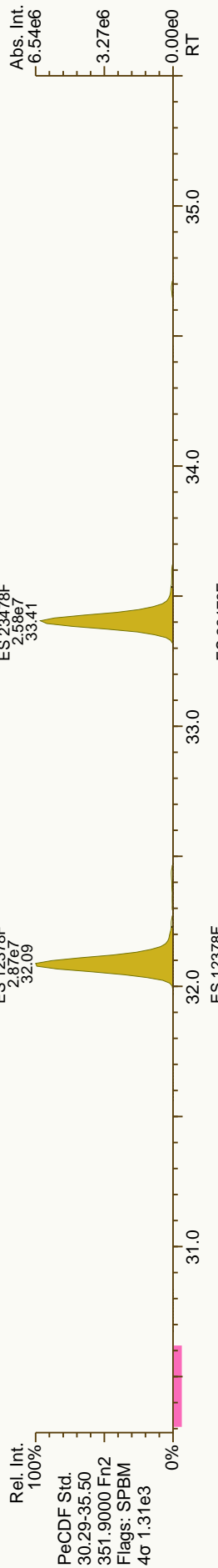
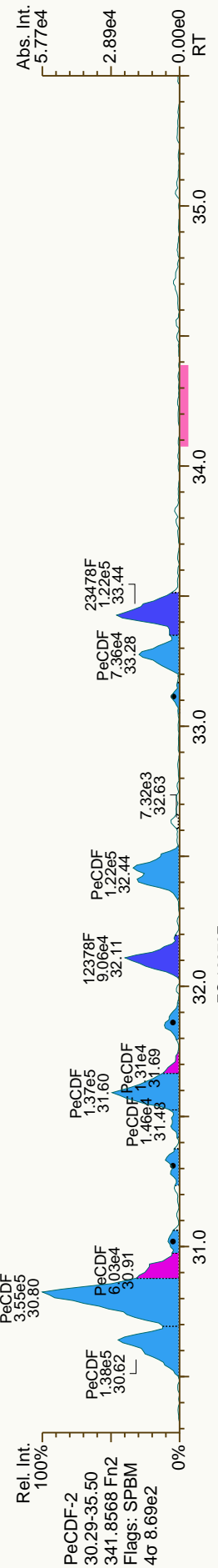
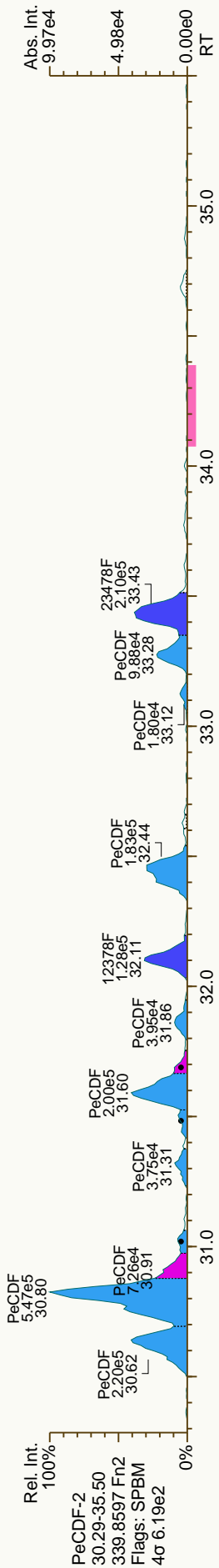


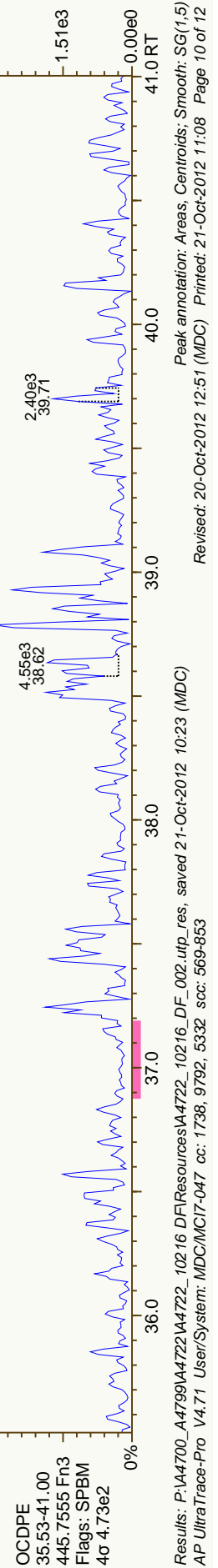
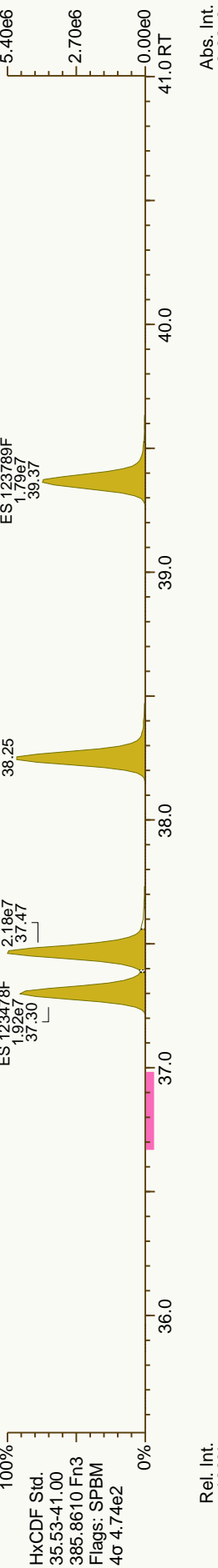
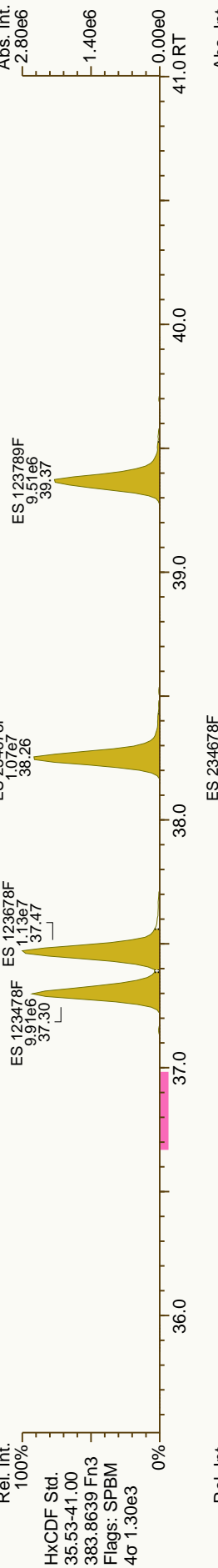
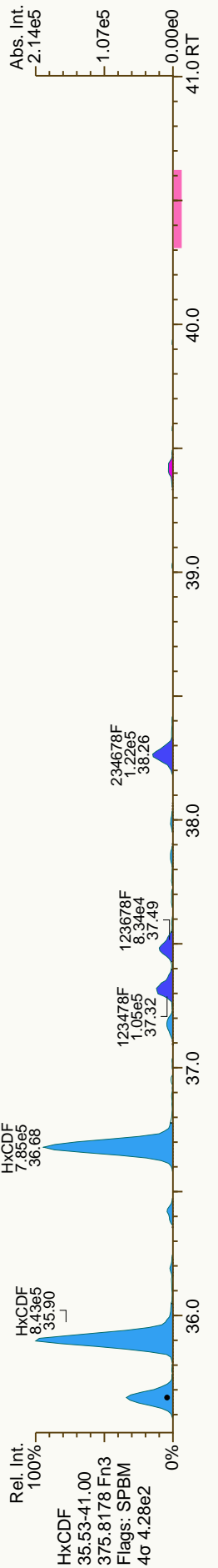
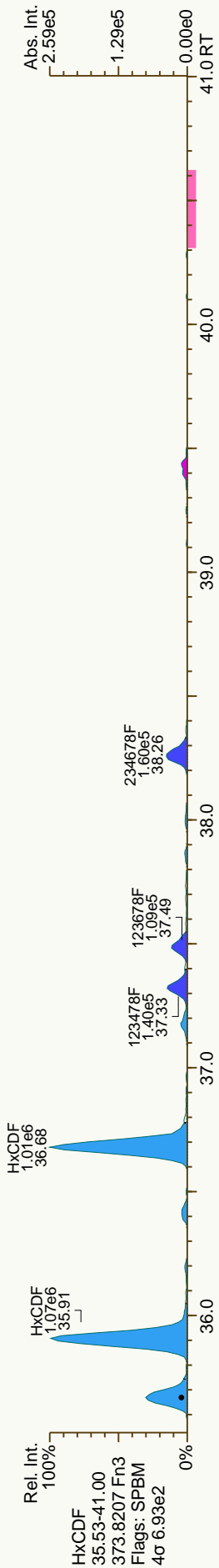


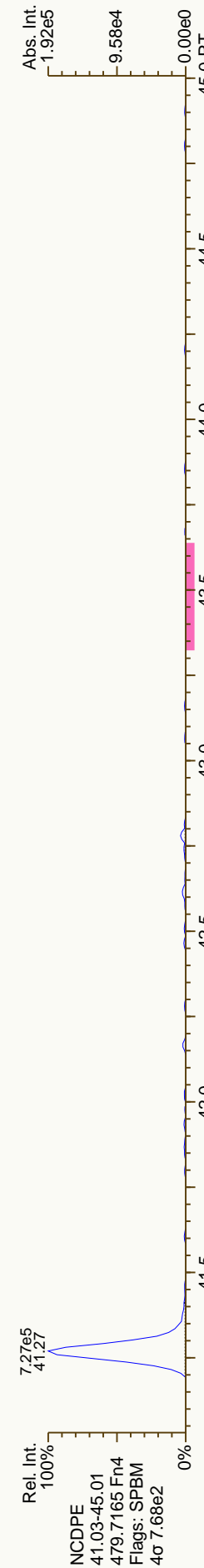
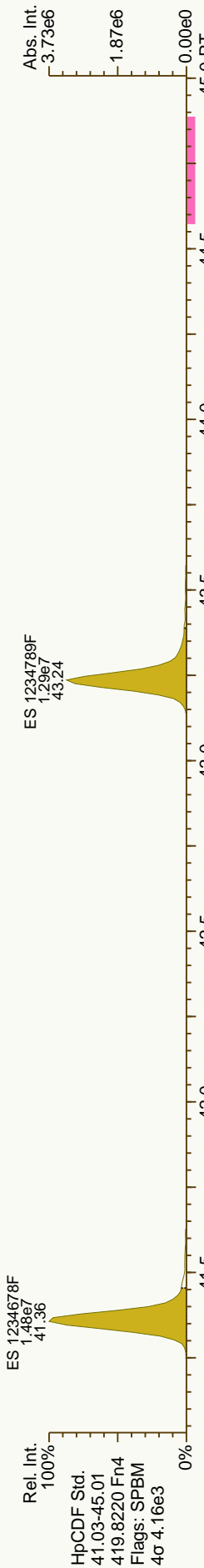
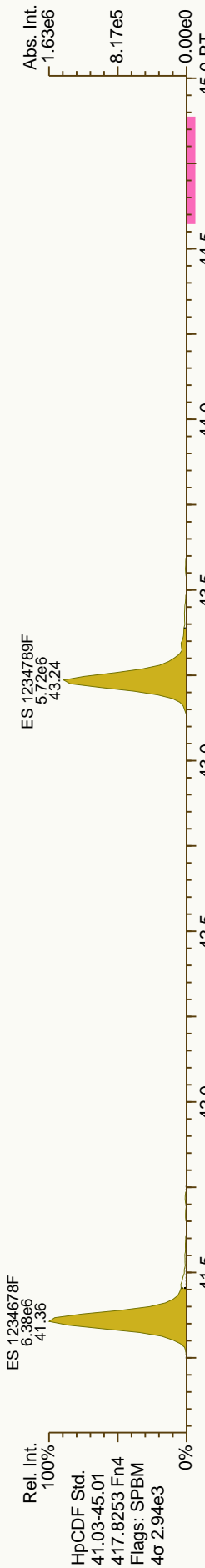
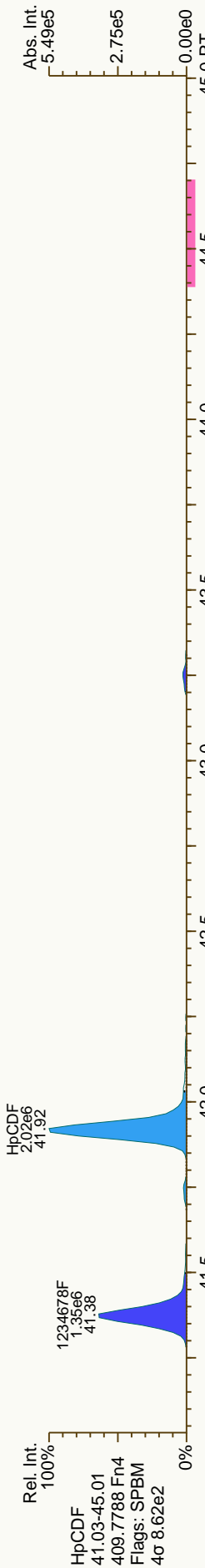
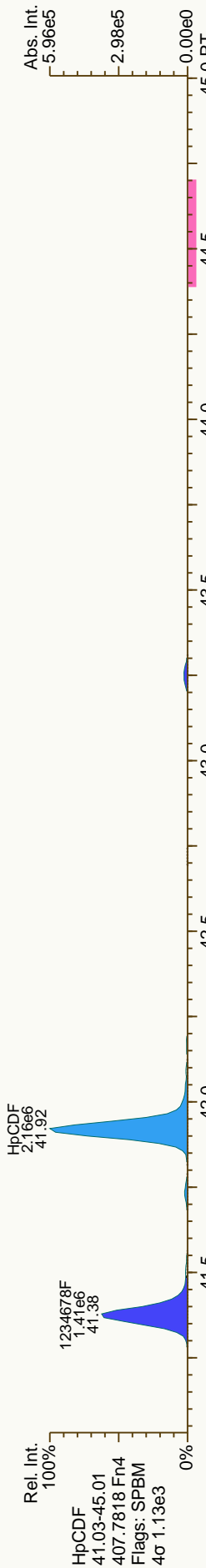


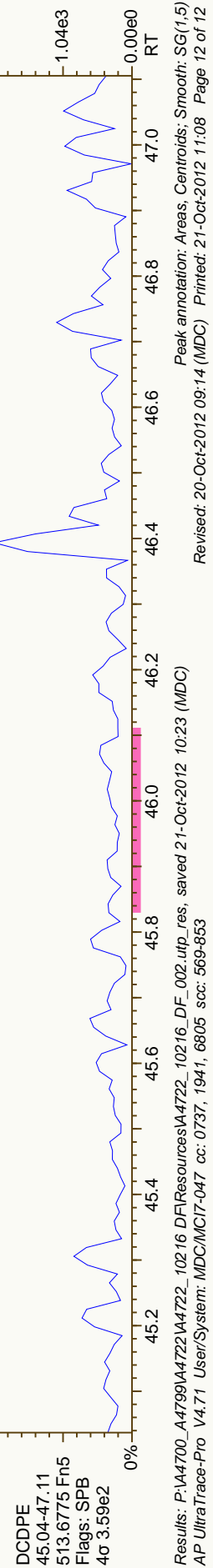
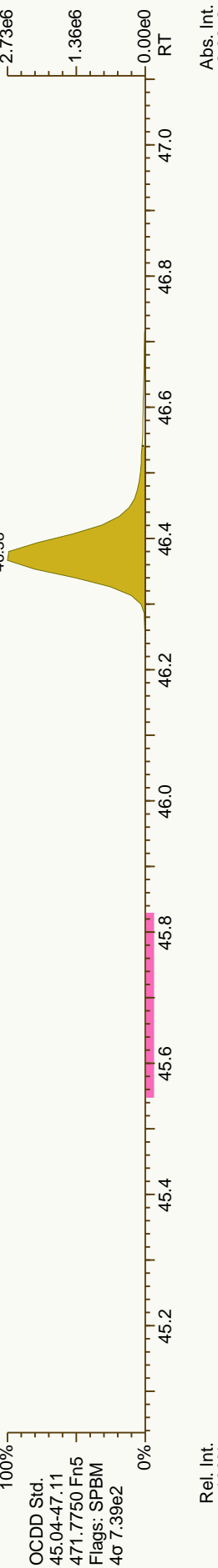
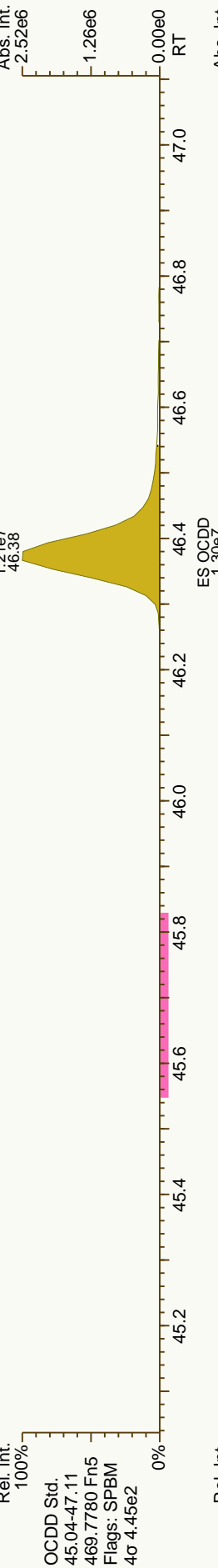
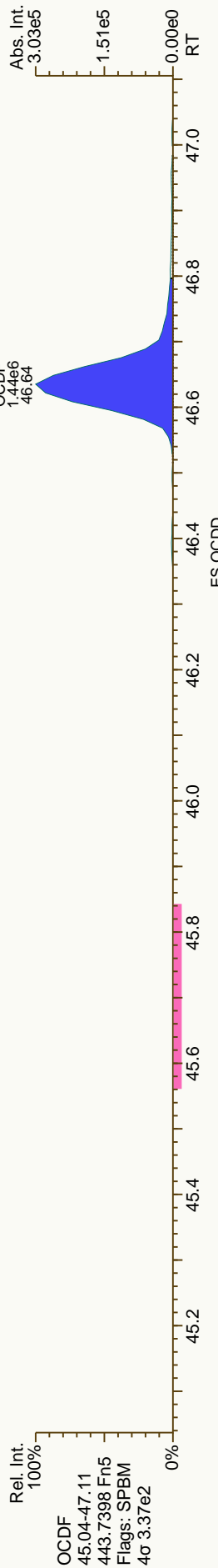
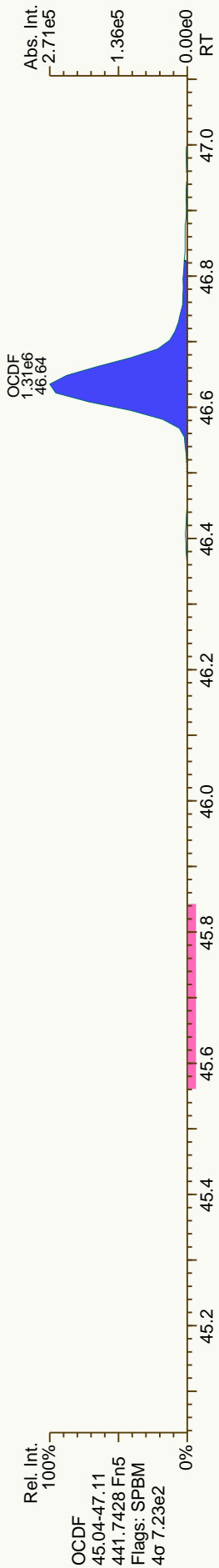












Quantify Sample Summary Report MassLynx 4.1
 ### Confirms Sample Summary ###

Dataset: C:\MassLynx\Default.pro\Results\c31oct12b-Confirms.qld

Last Altered: Thursday, November 01, 2012 16:02:41 Eastern Daylight Time
 Printed: Thursday, November 01, 2012 16:05:21 Eastern Daylight Time

A4722 - 10216 - 002

Method: C:\MassLynx\Default.PRO\MethDB\VF\Xms-TCDF_Smooth.mdb 01 Nov 2012 13:33:15
 Calibration: C:\MassLynx\Default.PRO\CurveDB\VF\Xms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c31oct12b-12
 Date: 31-Oct-2012
 Time: 20:42:19
 ID: 31203249009
 User: JHL
 Submitter:
 Task: HRMS3

2378-TCDF
 (15850) (100.25 (m)) (20 m) = 1.736 ps/s
 (873900) (12.18) (17155)
 Rec. max 11/1/12

ID	Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RRT	RT	Conc	EDL	SN1	SN2	M	Height1	Noise1	Height2	Noise2	Smp S...	FV
26	2378-TCDF	1.585e4	7.123e3	8.726e3	0.82	NO	1.0006	20.99	1.736	0.0466	80.8	104.3	db	1.679e5	2077	2.135e5	2047	17.15	20
27	ES:13C-2378-TCDF	8.739e5	3.808e5	4.932e5	0.77	NO	1.0025	20.98	110.908	0.1033	2256.6	3296.7	bb	9.228e6	4090	1.177e7	3571	17.15	20
30	JS:13C-1234-TCDD	5.552e5	2.554e5	2.998e5	0.85	NO	0.0000	20.93	116.618	0.1955	1174.9	1994.5	bd	6.007e6	5113	7.268e6	3644	17.15	20
46	Tetrafurans	-	6.765e4	-	-	-	-	-	17.010	0.0466	-	-	-	1.025e6	2077	-	-	17.15	20
58	F1 Lock Mass	-	-	-	-	-	-	-	-	-	-	-	-	-	-	104902	-	1.00	1

Quantify Sample Report MassLynx 4.1
Confirms Sample Summary

Dataset: C:\MassLynx\Default.pro\Results\c31oct12b-Confirms.qld

Last Altered: Thursday, 11/1/2012 11:23:28 AM Eastern Daylight Time

Printed: Thursday, 11/1/2012 11:24:52 AM Eastern Daylight Time

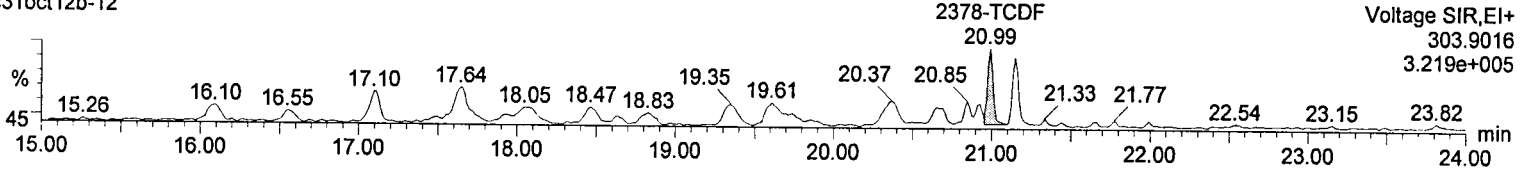
Method: C:\MassLynx\Default.PRO\MethDB\VFxms-TCDF_Smooth.mdb 31 Oct 2012 16:33:04

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c31oct12b-12, ID: 31203249009

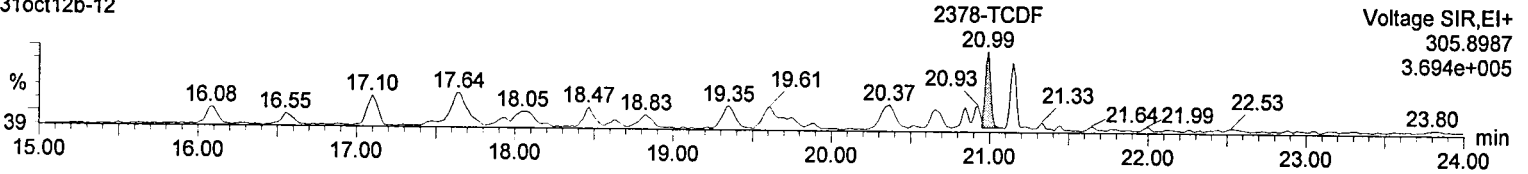
TCDF

c31oct12b-12



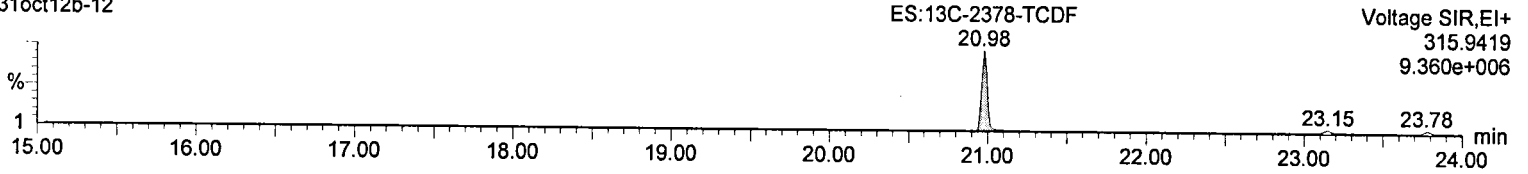
TCDF

c31oct12b-12



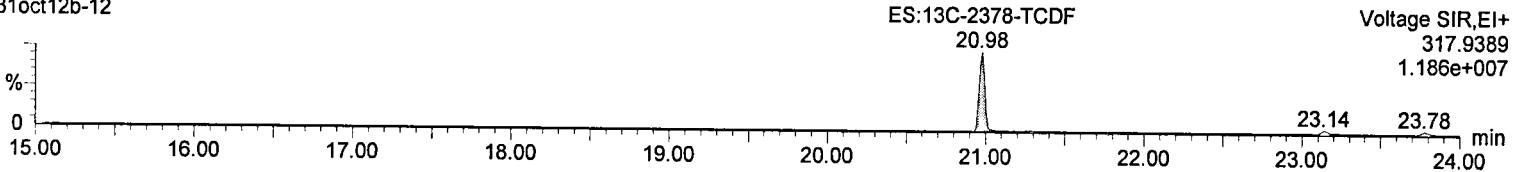
13C-TCDF

c31oct12b-12



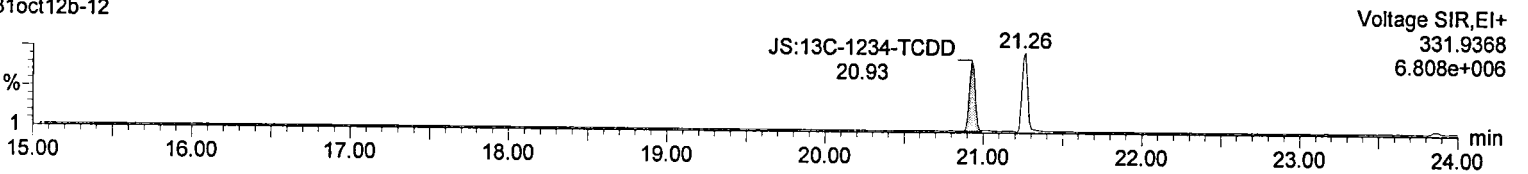
13C-TCDF

c31oct12b-12



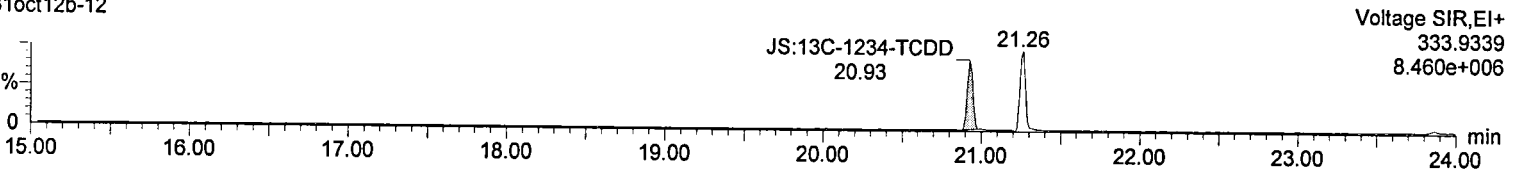
13C-TCDD

c31oct12b-12



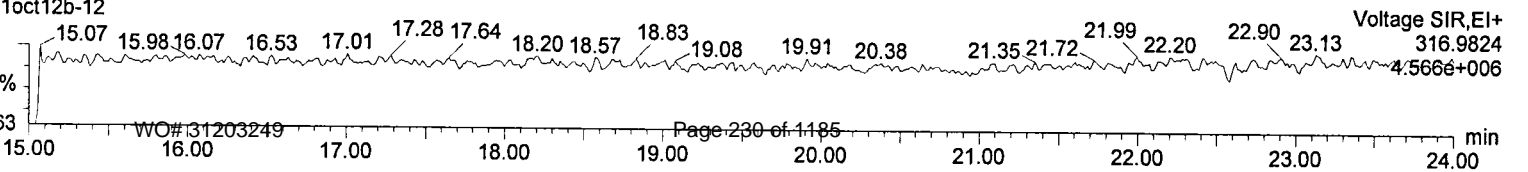
13C-TCDD

c31oct12b-12



F1 Lock Mass

c31oct12b-12



Results of JW-EA09-SS34-120507

Client Sample ID: **JW-EA09-SS34-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249009-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 14:11
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 58.30

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
1-MoCB	41.3			0.115	0.999	pg/g	10.44	3.23
2-MoCB	35.5			0.109	0.999	pg/g	12.30	3.29
3-MoCB	50.5			0.104	0.999	pg/g	12.46	3.25
4-DiCB	25.1			0.862	0.999	pg/g	12.68	1.61
5-DiCB	2.23			0.696	0.999	pg/g	15.09	1.47
6-DiCB	19.1			0.695	0.999	pg/g	14.83	1.56
7-DiCB	4.91			0.652	0.999	pg/g	14.62	1.45
8-DiCB	110			0.672	0.999	pg/g	15.21	1.57
9-DiCB	6.53			0.741	0.999	pg/g	14.47	1.46
10-DiCB		1.81		0.614	0.999	pg/g	12.84	1.11*
11-DiCB	310			0.688	0.999	pg/g	17.39	1.58
12-DiCB C13	21.2			0.674	2.00	pg/g	17.65	1.53
14-DiCB	1.46			0.585	0.999	pg/g	16.66	1.66
15-DiCB	112			0.633	0.999	pg/g	17.93	1.58
16-TrCB	66.0			0.206	0.999	pg/g	17.87	1.09
17-TrCB	70.6			0.150	0.999	pg/g	17.48	1.07
18-TrCB C30	137			0.128	2.00	pg/g	17.12	1.09
19-TrCB	8.69			0.162	0.999	pg/g	15.47	1.08
20-TrCB C28	568			0.311	2.00	pg/g	20.56	1.04
21-TrCB C33	209			0.306	2.00	pg/g	20.76	1.04
22-TrCB	155			0.326	0.999	pg/g	21.09	1.04
23-TrCB	ND		U	0.308	0.999	pg/g		
24-TrCB	1.79			0.113	0.999	pg/g	17.79	1.12
25-TrCB	35.9			0.306	0.999	pg/g	20.03	1.06
26-TrCB C29	73.2			0.304	2.00	pg/g	19.83	1.03
27-TrCB	12.8			0.110	0.999	pg/g	17.67	1.12
31-TrCB	427			0.292	0.999	pg/g	20.30	1.05
32-TrCB	47.0			0.105	0.999	pg/g	18.33	1.09
34-TrCB	2.56			0.324	0.999	pg/g	19.44	1.04
35-TrCB	16.2			0.324	0.999	pg/g	23.65	1.06
36-TrCB	5.04			0.301	0.999	pg/g	22.46	1.02
37-TrCB	157			0.311	0.999	pg/g	24.00	1.04
38-TrCB	0.817		J	0.331	0.999	pg/g	23.27	1.11
39-TrCB	2.59			0.286	0.999	pg/g	22.78	0.98
40-TeCB C71	201			0.103	2.00	pg/g	23.85	0.80
41-TeCB	23.7			0.139	0.999	pg/g	23.74	0.81
42-TeCB	103			0.113	0.999	pg/g	23.43	0.78
43-TeCB	13.3			0.136	0.999	pg/g	22.33	0.80
44-TeCB C47/65	558			0.102	3.00	pg/g	22.98	0.80
45-TeCB	35.2			0.120	0.999	pg/g	20.62	0.80
46-TeCB	13.9			0.131	0.999	pg/g	20.88	0.79
48-TeCB	66.8			0.108	0.999	pg/g	22.80	0.80

Results of JW-EA09-SS34-120507

Client Sample ID: **JW-EA09-SS34-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249009-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 14:11
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 58.30

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
49-TeCB C69	344			0.0886	2.00	pg/g	22.55	0.80
50-TeCB C53	41.9			0.105	2.00	pg/g	20.05	0.79
51-TeCB	9.68			0.108	0.999	pg/g	20.70	0.80
52-TeCB	1120			0.110	0.999	pg/g	22.13	0.80
54-TeCB	0.295		J	0.0586	0.999	pg/g	18.17	0.77
55-TeCB	6.41			0.397	0.999	pg/g	26.68	0.78
56-TeCB	271			0.411	0.999	pg/g	27.10	0.78
57-TeCB	0.800		J	0.384	0.999	pg/g	25.43	0.76
58-TeCB	1.50			0.382	0.999	pg/g	25.63	0.84
59-TeCB C62/75	29.9			0.0793	3.00	pg/g	23.27	0.81
60-TeCB	134			0.395	0.999	pg/g	27.29	0.78
61-TeCB C70/74/76	1380			0.379	4.00	pg/g	26.30	0.79
63-TeCB	18.2			0.349	0.999	pg/g	26.01	0.79
64-TeCB	177			0.0739	0.999	pg/g	24.05	0.80
66-TeCB	684			0.398	0.999	pg/g	26.55	0.79
67-TeCB	9.37			0.372	0.999	pg/g	25.79	0.77
68-TeCB	3.39			0.353	0.999	pg/g	25.06	0.71
72-TeCB	6.66			0.384	0.999	pg/g	24.81	0.78
73-TeCB	0.862		J	0.0785	0.999	pg/g	22.24	0.75
77-TeCB	77.0			0.384	0.999	pg/g	30.21	0.77
78-TeCB	ND		U	0.428	0.999	pg/g		
79-TeCB	12.9			0.363	0.999	pg/g	28.92	0.87
80-TeCB	ND		U	0.344	0.999	pg/g		
81-TeCB	2.42			0.394	0.999	pg/g	29.75	0.75
82-PeCB	204			0.184	0.999	pg/g	29.90	0.61
83-PeCB	92.8			0.191	0.999	pg/g	28.39	0.60
84-PeCB	430			0.178	0.999	pg/g	26.43	0.62
85-PeCB C116	277			0.121	2.00	pg/g	29.51	0.62
86-PeCB C108/119/125/87/97	1270			0.131	5.99	pg/g	28.95	0.62
88-PeCB	ND		U	0.156	0.999	pg/g		
89-PeCB	11.1			0.164	0.999	pg/g	26.83	0.61
90-PeCB C101/113	1900			0.133	3.00	pg/g	28.01	0.62
91-PeCB	188			0.141	0.999	pg/g	26.26	0.61
92-PeCB	357			0.157	0.999	pg/g	27.52	0.61
93-PeCB C100	4.74			0.144	2.00	pg/g	25.73	0.64
94-PeCB	3.12			0.159	0.999	pg/g	25.13	0.55
95-PeCB	646			0.150	0.999	pg/g	25.52	0.62
96-PeCB	7.03			0.0879	0.999	pg/g	23.24	0.64
98-PeCB	1.27			0.155	0.999	pg/g	25.92	0.64
99-PeCB	892			0.134	0.999	pg/g	28.50	0.63
102-PeCB	24.6			0.145	0.999	pg/g	25.85	0.61
103-PeCB	6.23			0.137	0.999	pg/g	24.95	0.60

Results of **JW-EA09-SS34-120507**

Client Sample ID: **JW-EA09-SS34-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249009-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 14:11
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 58.30

Results by **EPA 1668B**

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
104-PeCB	ND		U	0.0667	0.999	pg/g		
105-PeCB	866			0.130	0.999	pg/g	33.15	0.62
106-PeCB	ND		U	0.124	0.999	pg/g		
107-PeCB C124	74.1			0.118	2.00	pg/g	31.60	0.61
109-PeCB	135			0.111	0.999	pg/g	31.80	0.62
111-PeCB	1.53			0.109	0.999	pg/g	30.27	0.59
110-PeCB	2370			0.128	0.999	pg/g	29.64	0.62
112-PeCB	ND		U	0.113	0.999	pg/g		
114-PeCB	44.1			0.125	0.999	pg/g	32.62	0.61
115-PeCB	26.5			0.105	0.999	pg/g	29.75	0.65
117-PeCB	38.0			0.145	0.999	pg/g	29.43	0.59
118-PeCB	2090			0.121	0.999	pg/g	32.18	0.62
120-PeCB	5.86			0.111	0.999	pg/g	30.66	0.64
121-PeCB	ND		U	0.108	0.999	pg/g		
122-PeCB	23.4			0.144	0.999	pg/g	32.45	0.63
123-PeCB	27.7			0.108	0.999	pg/g	31.90	0.62
126-PeCB	3.47			0.221	0.999	pg/g	35.75	0.62
127-PeCB	ND		U	0.133	0.999	pg/g		
128-HxCB C166	399			0.425	2.00	pg/g	35.84	1.22
129-HxCB C138/163	2150			0.0937	3.00	pg/g	34.79	1.26
130-HxCB	146			0.116	0.999	pg/g	34.24	1.26
131-HxCB	28.8			0.113	0.999	pg/g	31.86	1.26
132-HxCB	624			0.109	0.999	pg/g	32.24	1.25
133-HxCB	26.6			0.107	0.999	pg/g	32.69	1.28
134-HxCB	114			0.125	0.999	pg/g	31.35	1.26
135-HxCB C151	446			0.101	2.00	pg/g	30.44	1.27
136-HxCB	191			0.0761	0.999	pg/g	28.40	1.25
137-HxCB	131			0.104	0.999	pg/g	34.44	1.27
139-HxCB C140	40.8			0.0960	2.00	pg/g	31.70	1.28
141-HxCB	278			0.102	0.999	pg/g	33.91	1.25
142-HxCB	0.510		J	0.112	0.999	pg/g	32.00	1.22
143-HxCB	6.12			0.0999	0.999	pg/g	31.44	1.30
144-HxCB	66.6			0.0976	0.999	pg/g	30.90	1.26
145-HxCB	0.743		J	0.0743	0.999	pg/g	28.66	1.39
146-HxCB	187			0.0942	0.999	pg/g	33.23	1.27
147-HxCB C149	1180			0.0973	2.00	pg/g	31.19	1.25
148-HxCB	2.09			0.0987	0.999	pg/g	29.95	1.33
150-HxCB	1.89			0.0694	0.999	pg/g	28.11	1.15
152-HxCB	1.59			0.0720	0.999	pg/g	27.96	1.16
153-HxCB C168	1290			0.0733	2.00	pg/g	33.75	1.26
154-HxCB	19.2			0.0879	0.999	pg/g	30.65	1.25
155-HxCB	ND		U	0.0625	0.999	pg/g		

Results of JW-EA09-SS34-120507

Client Sample ID: JW-EA09-SS34-120507
 Client Project ID: Jeld-Wen Surface Sediments
 Lab Sample ID: 31203249009-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 14:11
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 58.30

Results by EPA 1668B

Parameter	Result	EMPC	Qual	DL	LOQ/CL	Units	RT	Ratio
156-HxCB C157	304			0.458	2.00	pg/g	38.28	1.22
158-HxCB	222			0.0719	0.999	pg/g	35.12	1.27
159-HxCB	ND		U	0.368	0.999	pg/g		
160-HxCB	ND		U	0.0820	0.999	pg/g		
161-HxCB	ND		U	0.0770	0.999	pg/g		
162-HxCB	7.91			0.355	0.999	pg/g	36.93	1.20
164-HxCB	111			0.0715	0.999	pg/g	34.53	1.26
165-HxCB	0.501		J	0.0845	0.999	pg/g	33.02	1.32
167-HxCB	85.6			0.331	0.999	pg/g	37.33	1.24
169-HxCB	ND		U	0.415	0.999	pg/g		
170-HpCB	224			0.291	0.999	pg/g	40.50	1.04
171-HpCB C173	74.3			0.260	2.00	pg/g	37.54	1.06
172-HpCB	40.5			0.298	0.999	pg/g	38.91	1.02
174-HpCB	199			0.256	0.999	pg/g	36.63	1.05
175-HpCB	8.97			0.238	0.999	pg/g	35.71	1.04
176-HpCB	23.8			0.0840	0.999	pg/g	33.62	1.06
177-HpCB	133			0.265	0.999	pg/g	37.00	1.05
178-HpCB	44.3			0.124	0.999	pg/g	35.18	1.06
179-HpCB	84.6			0.0923	0.999	pg/g	32.88	1.06
180-HpCB C193	466			0.233	2.00	pg/g	39.46	1.04
181-HpCB	3.63			0.228	0.999	pg/g	37.35	0.99
182-HpCB	2.08			0.215	0.999	pg/g	36.11	1.01
183-HpCB	118			0.205	0.999	pg/g	36.46	1.04
184-HpCB	0.293		J	0.0922	0.999	pg/g	33.35	1.04
185-HpCB	13.2			0.234	0.999	pg/g	36.53	1.04
186-HpCB	ND		U	0.0893	0.999	pg/g		
187-HpCB	257			0.223	0.999	pg/g	35.94	1.05
188-HpCB	0.429		J	0.0815	0.999	pg/g	32.62	0.97
189-HpCB	10.5			0.182	0.999	pg/g	43.13	1.01
190-HpCB	43.6			0.217	0.999	pg/g	40.95	1.06
191-HpCB	9.85			0.218	0.999	pg/g	39.75	1.04
192-HpCB	ND		U	0.226	0.999	pg/g		
194-OcCB	102			0.251	0.999	pg/g	44.89	0.92
195-OcCB	33.1			0.270	0.999	pg/g	42.91	0.96
196-OcCB	47.7			0.186	0.999	pg/g	41.65	0.88
197-OcCB		2.66		0.127	0.999	pg/g	38.64	0.67*
198-OcCB C199	134			0.194	2.00	pg/g	41.10	0.88
200-OcCB	8.57			0.140	0.999	pg/g	38.72	0.98
201-OcCB	14.9			0.132	0.999	pg/g	37.90	0.90
202-OcCB	31.9			0.142	0.999	pg/g	37.12	0.89
203-OcCB	85.2			0.177	0.999	pg/g	41.82	0.92
204-OcCB	ND		U	0.139	0.999	pg/g		

Results of JW-EA09-SS34-120507

Client Sample ID: **JW-EA09-SS34-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249009-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 14:11
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 58.30

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
205-OcCB	3.70			0.186	0.999	pg/g	45.28	1.00
206-NoCB	70.2			0.196	0.999	pg/g	46.74	0.77
207-NoCB	9.44			0.149	0.999	pg/g	43.50	0.78
208-NoCB	21.6			0.137	0.999	pg/g	42.72	0.78
209-DeCB	29.9			0.183	0.999	pg/g	48.08	1.18
Total Monochlorobiphenyls	127			0.110		pg/g		
Total Dichlorobiphenyls	614			0.748		pg/g		
Total Trichlorobiphenyls	2000			0.236		pg/g		
Total Tetrachlorobiphenyls	5340			0.210		pg/g		
Total Pentachlorobiphenyls	12000			0.129		pg/g		
Total Hexachlorobiphenyls	8060			0.316		pg/g		
Total Heptachlorobiphenyls	1760			0.200		pg/g		
Total Octachlorobiphenyls	463			0.164		pg/g		
Total Nonachlorobiphenyls	101			0.166		pg/g		
Total Decachlorobiphenyl	29.9			0.183		pg/g		
Total PCBs	30500			0.748		pg/g		

World Health Organization Summary

	<u>Units</u>	<u>ND=0</u>	<u>ND=½</u>	<u>ND=DL</u>
WHO-2005 TEQ	pg/g	0.458	0.464	0.471
WHO-2005 TEQ w/EMPC	pg/g	0.458	0.464	0.471

Results of JW-EA09-SS34-120507

Client Sample ID: **JW-EA09-SS34-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249009-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 14:11
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 58.30

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
1L-MoCB	63.0				4.00-100	%		
3L-MoCB	72.0				11.0-106	%		
4L-DiCB	78.0				14.0-107	%		
15L-DiCB	83.0				19.0-107	%		
19L-TrCB	80.0				1.00-108	%		
37L-TrCB	80.0				25.0-123	%		
54L-TeCB	116*				13.0-105	%		
77L-TeCB	89.0				31.0-109	%		
81L-TeCB	92.0				14.0-127	%		
104L-PeCB	106				36.0-115	%		
105L-PeCB	85.0				50.0-111	%		
114L-PeCB	84.0				41.0-121	%		
118L-PeCB	89.0				49.0-111	%		
123L-PeCB	96.0				49.0-116	%		
126L-PeCB	90.0				50.0-106	%		
155L-HxCB	101				25.0-124	%		
156L-HxCB C157L	76.0				40.0-120	%		
167L-HxCB	79.0				45.0-118	%		
169L-HxCB	77.0				37.0-117	%		
188L-HpCB	98.0				23.0-125	%		
189L-HpCB	102				47.0-116	%		
202L-OcCB	83.0				31.0-134	%		
205L-OcCB	101				46.0-115	%		
206L-NoCB	122				38.0-122	%		
208L-NoCB	105				31.0-126	%		
209L-DeCB	94.0				43.0-115	%		
28L-TrCB	108				14.0-131	%		
111L-PeCB	108				57.0-112	%		
178L-HpCB	111				57.0-125	%		

Batch Information

Analytical Batch: **HRP1313**
 Analytical Method: **EPA 1668B**
 Instrument: **APHRMS**
 Analyst: **LKB**
 Analytical Date/Time: **10/17/2012 05:43**

Prep Batch: **HXX1803**
 Prep Method: **EPA 1668B PREP S/D/T**
 Prep Date/Time: **10/10/2012 10:29**
 Prep Initial Wt./Vol.: **17.15 g**
 Prep Extract Vol: **20 uL**



Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.21		1.0006	1.0006	0	2.05E+07	0.77	1.13	77	9.62E+03	0.384
PCB-81 344'5'-TeCB	29.75		1.0006	1.0006	0	6.36E+05	0.75	1.13	2.42	9.62E+03	0.394
PCB-105 233'44'-PeCB	33.15		1.0007	1.0007	0	1.55E+08	0.62	1.09	866	2.16E+03	0.13
PCB-114 2344'5'-PeCB	32.62		1.0007	1.0006	-0.2	8.31E+06	0.61	1.16	44.1	2.16E+03	0.125
PCB-118 23'44'5'-PeCB	32.18		1.0008	1.0007	-0.2	4.10E+08	0.62	1.11	2,090	2.16E+03	0.121
PCB-123 23'44'5'-PeCB	31.90		1.0006	1.0008	+0.4	6.02E+06	0.62	1.19	27.7	2.16E+03	0.108
PCB-126 33'44'5'-PeCB	35.75		1.0006	1.0002	-0.9	6.20E+05	0.62	1.06	3.47	3.59E+03	0.221
PCB-156/157 ...-HxCB	38.28	C	1.0005	1.0002	-0.7	4.67E+07	1.22	1.11	304	5.06E+03	0.458
PCB-167 23'44'55'-HxCB	37.33		1.0006	1.0005	-0.2	1.43E+07	1.24	1.14	85.6	5.06E+03	0.331
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	5.06E+03	0.415
PCB-189 233'44'55'-HpCB	43.13		1.0005	1.0004	-0.3	1.40E+06	1.01	1.06	10.5	2.23E+03	0.182
PCB-209 DeCB	48.08		1.0004	1.0004	0	2.53E+06	1.18	1.07	29.9	1.09E+03	0.183
ES PCB-1	10.43		0.7215	0.7217	+0.1	5.74E+07	3.17	1.08	63 %	25 %	150 %
ES PCB-3	12.45		0.8610	0.8614	+0.3	6.53E+07	3.14	1.08	71.6 %	25 %	150 %
ES PCB-4	12.66		0.8755	0.8760	+0.4	3.19E+07	1.61	0.49	77.5 %	25 %	150 %
ES PCB-15	17.92		1.2391	1.2394	+0.3	7.78E+07	1.59	1.11	83.2 %	25 %	150 %
ES PCB-19	15.45		1.0683	1.0691	+0.7	3.75E+07	1.03	0.55	80.3 %	25 %	150 %
ES PCB-37	23.98		1.0844	1.0848	+0.6	5.14E+07	1.10	1.64	79.9 %	25 %	150 %
ES PCB-54	18.15		0.8213	0.8212	-0.1	4.30E+07	0.76	0.94	116 %	25 %	150 %
ES PCB-77	30.20		1.3648	1.3659	+2.0	4.70E+07	0.78	1.35	88.5 %	25 %	150 %
ES PCB-81	29.73		1.3435	1.3450	+2.7	4.65E+07	0.80	1.29	91.7 %	25 %	150 %
ES PCB-104	22.92		0.8203	0.8189	-1.9	3.27E+07	1.58	0.99	106 %	25 %	150 %
ES PCB-105	33.13		1.1849	1.1834	-3.0	3.26E+07	1.61	1.23	84.7 %	25 %	150 %
ES PCB-114	32.60		1.1658	1.1645	-2.5	3.25E+07	1.60	1.25	83.5 %	25 %	150 %
ES PCB-118	32.16		1.1499	1.1487	-2.3	3.54E+07	1.60	1.28	88.5 %	25 %	150 %
ES PCB-123	31.88		1.1399	1.1388	-2.1	3.65E+07	1.65	1.22	96 %	25 %	150 %
ES PCB-126	35.74		1.2781	1.2769	-2.6	3.36E+07	1.61	1.20	89.9 %	25 %	150 %
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	27.81		0.7992	0.8000	+1.3	3.78E+07	1.24	1.50	101 %	25 %	150 %
ES PCB-156/157	38.27		1.1007	1.1008	+0.2	5.54E+07	1.33	1.45	76.1 %	25 %	150 %
ES PCB-167	37.31		1.0731	1.0733	+0.4	2.94E+07	1.32	1.49	78.7 %	25 %	150 %
ES PCB-169	41.00		1.1789	1.1793	+1.0	2.71E+07	1.31	1.40	76.9 %	25 %	150 %
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	32.59		0.7266	0.7264	-0.4	2.88E+07	1.08	1.18	97.6 %	25 %	150 %
ES PCB-189	43.11		0.9608	0.9608	0	2.53E+07	1.06	1.49	102 %	25 %	150 %
ES PCB-202	37.10		0.8271	0.8268	-0.7	2.37E+07	0.90	1.14	83.2 %	25 %	150 %
ES PCB-205	45.26		1.0088	1.0088	0	2.03E+07	0.89	1.20	101 %	25 %	150 %

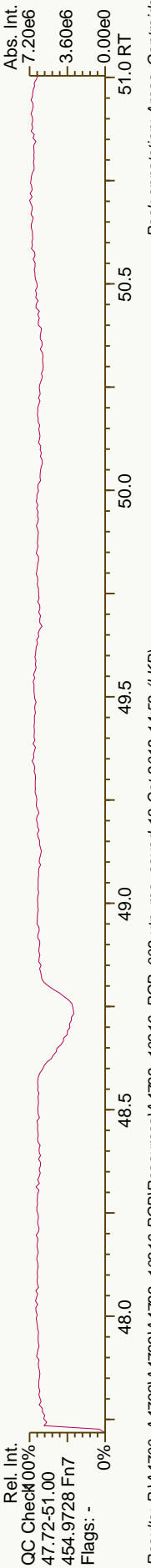
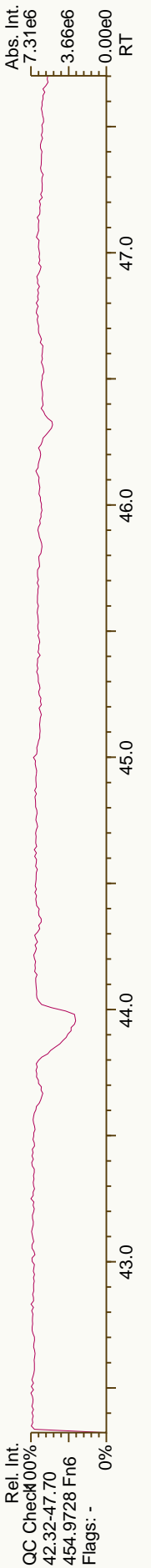
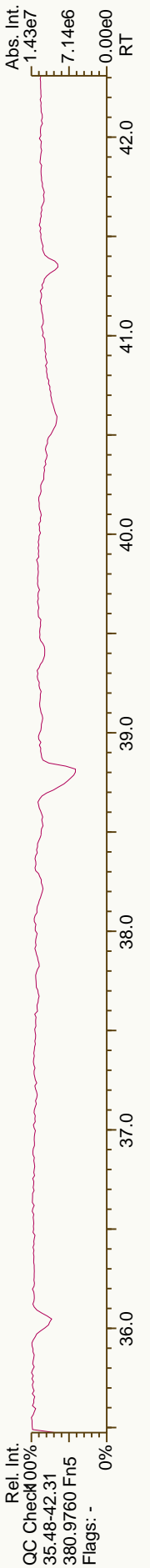
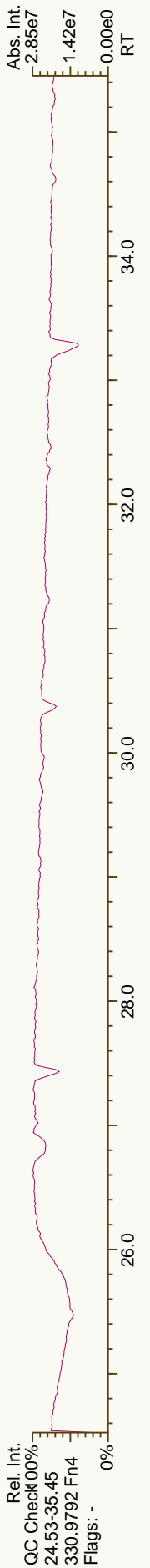
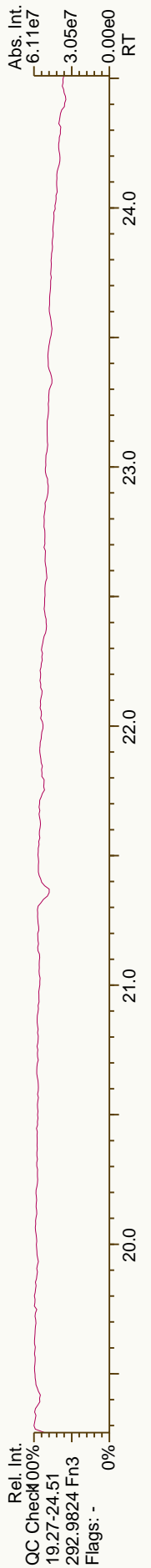
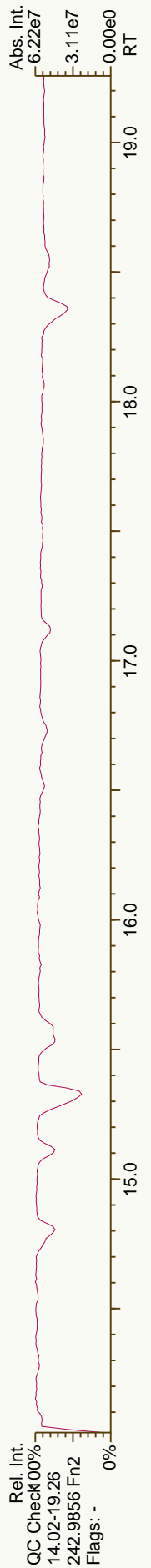
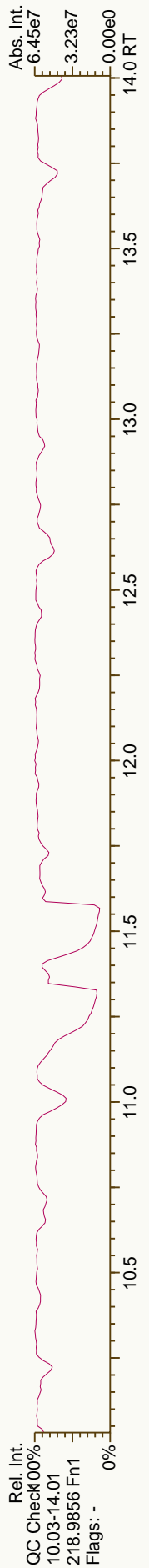
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	46.73		1.0414	1.0415	+0.3	1.77E+07	0.80	0.87	122 %	25 %	150 %
ES PCB-208	42.70		0.9519	0.9516	-0.8	2.08E+07	0.78	1.19	105 %	25 %	150 %
ES PCB-209	48.06		1.0714	1.0711	-0.9	1.57E+07	1.18	1.00	94.2 %	25 %	150 %
SS PCB-28	20.54	V	0.9294	0.9290	-0.5	7.50E+07	1.07	1.07	136 %	30 %	135 %
SS PCB-111	30.25		1.0814	1.0806	-1.5	4.11E+07	1.60	1.01	112 %	30 %	135 %
SS PCB-178	35.16		1.0112	1.0112	0	2.06E+07	1.05	0.63	114 %	30 %	135 %
CS PCB-28	20.54		0.9294	0.9290	-0.5	7.50E+07	1.07	1.76	108 %	30 %	135 %
CS PCB-111	30.25		1.0814	1.0806	-1.5	4.11E+07	1.60	1.23	108 %	30 %	135 %
CS PCB-178	35.16		1.0112	1.0112	0	2.06E+07	1.05	0.74	111 %	30 %	135 %
JS PCB-9	14.46					8.43E+07	1.57				
JS PCB-52	22.11					3.94E+07	0.77				
JS PCB-101	27.99					3.12E+07	1.64				
JS PCB-138	34.77					2.50E+07	1.26				
JS PCB-194	44.87					1.67E+07	0.91				
Totals											
Mono-CBS						127					DL 0.11
Di-CBS						613					0.748
Tri-CBS						2,000					0.236
Tetra-CBS						5,340					0.21
Penta-CBS						12,000					0.129
Hexa-CBS						8,060					0.316
Hepta-CBS						1,760					0.2
Octa-CBS						460					0.164
Nona-CBS						101					0.166
PCB-1 2-MoCB	10.44		1.0011	1.0011	0	1.23E+07	3.23	1.03	41.3	5.41E+03	0.115
PCB-2 3-MoCB	12.30		0.9880	0.9881	+0.1	1.16E+07	3.29	1.00	35.5	5.41E+03	0.109
PCB-3 4-MoCB	12.46		1.0009	1.0010	+0.1	1.72E+07	3.25	1.04	50.5	5.41E+03	0.104
PCB-4 22'-DiCB	12.68		1.0011	1.0011	0	4.68E+06	1.61	1.17	25.1	2.47E+04	0.862
PCB-10 26'-DiCB	12.84	EMPC	1.0140	1.0137	-0.2	4.74E+05	1.11	1.64	1.81	2.47E+04	0.614
PCB-9 25'-DiCB	14.47		1.0010	1.0010	0	2.35E+06	1.46	0.92	6.53	3.01E+04	0.741
PCB-7 24'-DiCB	14.62		1.0115	1.0114	-0.1	2.01E+06	1.45	1.05	4.91	3.01E+04	0.652
PCB-6 23'-DiCB	14.83		1.0256	1.0256	0	7.34E+06	1.56	0.99	19.1	3.01E+04	0.695
PCB-5 23'-DiCB	15.09		1.0444	1.0442	-0.2	8.55E+05	1.47	0.98	2.23	3.01E+04	0.696
PCB-8 24'-DiCB	15.21		1.0523	1.0522	-0.1	4.38E+07	1.57	1.02	110	3.01E+04	0.672
PCB-14 35'-DiCB	16.66		0.9302	0.9300	-0.2	6.65E+05	1.66	1.17	1.46	3.01E+04	0.585
PCB-11 33'-DiCB	17.39		0.9709	0.9705	-0.4	1.20E+08	1.58	1.00	310	3.01E+04	0.688
PCB-13/12 34'/34'-DiCB	17.65	C	0.9859	0.9853	-0.6	8.40E+06	1.53	1.02	21.2	3.01E+04	0.674
PCB-15 44'-DiCB	17.93		1.0008	1.0008	0	4.72E+07	1.58	1.08	112	3.01E+04	0.633

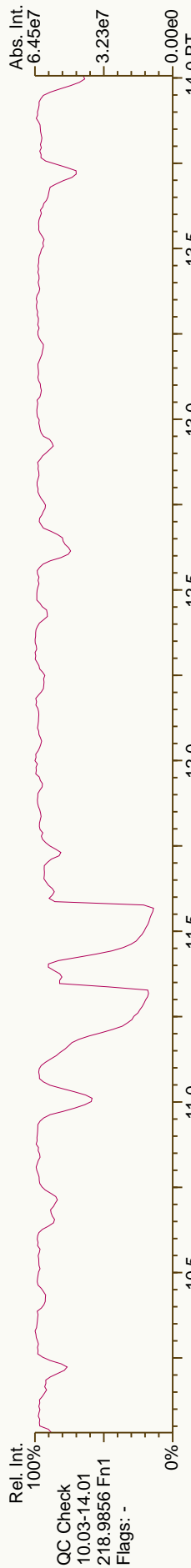
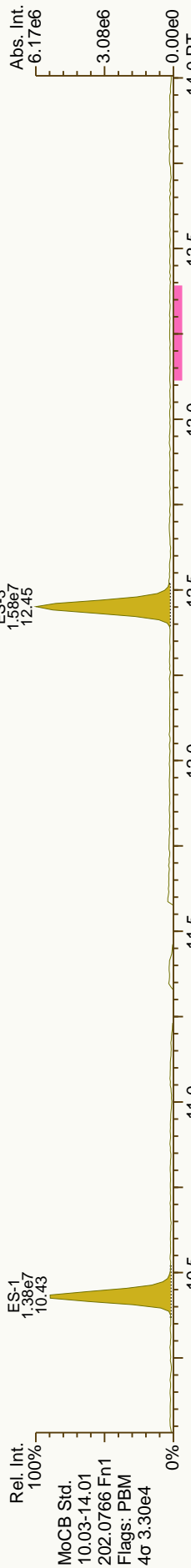
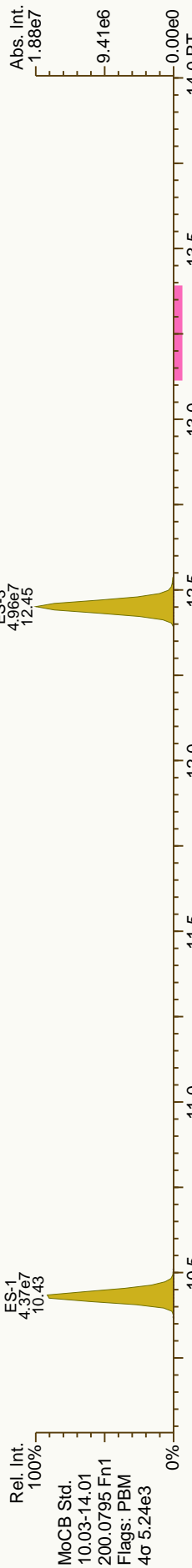
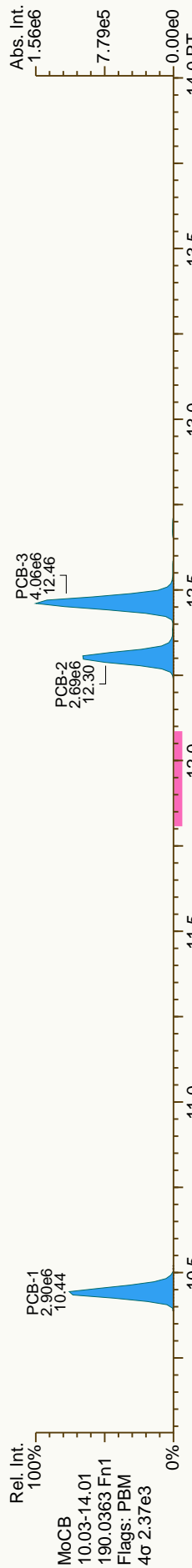
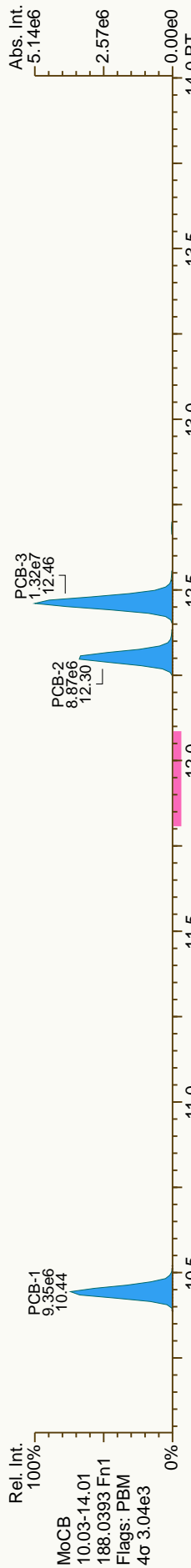
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19	22'6"-TrCB		1.0011	1.0011	0	1.78E+06	1.08	1.09	8.69	4.10E+03	0.162
PCB-30/18	246/22'5"-TrCB	C	1.1077	1.1075	-0.2	3.55E+07	1.09	1.39	137	4.10E+03	0.128
PCB-17	22'4"-TrCB		1.1317	1.1313	-0.4	1.56E+07	1.07	1.18	70.6	4.10E+03	0.15
PCB-27	23'6"-TrCB		1.1435	1.1431	-0.4	3.86E+06	1.12	1.61	12.8	4.10E+03	0.11
PCB-24	236"-TrCB		1.1514	1.1509	-0.5	5.28E+05	1.12	1.57	1.79	4.10E+03	0.113
PCB-16	22'3"-TrCB		1.1568	1.1564	-0.4	1.06E+07	1.09	0.86	66	4.10E+03	0.206
PCB-32	24'6"-TrCB		1.1866	1.1861	-0.5	1.48E+07	1.09	1.68	47	4.10E+03	0.105
PCB-34	23'5"-TrCB		0.8111	0.8104	-0.8	6.97E+05	1.04	1.06	2.56	8.95E+03	0.324
PCB-23	235"-TrCB	NotFnd	0.8168	-		0.00E+00		1.11	ND	8.95E+03	0.308
PCB-26/29	23'5'/245"-TrCB	C	0.8282	0.8267	-1.8	2.13E+07	1.03	1.13	73.2	8.95E+03	0.304
PCB-25	23'4"-TrCB		0.8361	0.8353	-1.0	1.04E+07	1.06	1.12	35.9	8.95E+03	0.306
PCB-31	24'5"-TrCB		0.8472	0.8465	-0.9	1.29E+08	1.05	1.17	427	8.95E+03	0.292
PCB-28/20	244'/233'-TrCB	C	0.8581	0.8572	-1.1	1.62E+08	1.04	1.10	568	8.95E+03	0.311
PCB-21/33	234'/23'4"-TrCB	C	0.8650	0.8655	+0.6	6.04E+07	1.04	1.12	209	8.95E+03	0.306
PCB-22	234'-TrCB		0.8802	0.8795	-0.9	4.20E+07	1.04	1.05	155	8.95E+03	0.326
PCB-36	33'5"-TrCB		0.9366	0.9364	-0.3	1.48E+06	1.02	1.14	5.04	8.95E+03	0.301
PCB-39	34'5"-TrCB		0.9494	0.9498	+0.5	7.98E+05	0.98	1.20	2.59	8.95E+03	0.286
PCB-38	345"-TrCB	J	0.9701	0.9701	0	2.18E+05	1.11	1.04	0.817	8.95E+03	0.331
PCB-35	33'4"-TrCB		0.9865	0.9863	-0.3	4.40E+06	1.06	1.06	16.2	8.95E+03	0.324
PCB-37	344'-TrCB		1.0007	1.0008	+0.1	4.46E+07	1.04	1.10	157	8.95E+03	0.311
PCB-54	22'66"-TeCB	J	1.0010	1.0011	+0.1	7.67E+04	0.77	1.21	0.295	1.66E+03	0.0586
PCB-50/53	22'46'/22'56"-TeCB	C	0.9082	0.9067	-1.8	8.02E+06	0.79	0.82	41.9	1.88E+03	0.105
PCB-45	22'36"-TeCB		0.9329	0.9327	-0.2	5.90E+06	0.80	0.72	35.2	1.88E+03	0.12
PCB-51	22'46'-TeCB		0.9363	0.9363	0	1.81E+06	0.80	0.80	9.68	1.88E+03	0.108
PCB-46	22'36'-TeCB		0.9450	0.9447	-0.4	2.13E+06	0.79	0.66	13.9	1.88E+03	0.131
PCB-52	22'55'-TeCB		1.0010	1.0010	0	2.04E+08	0.80	0.78	1,120	1.88E+03	0.11
PCB-73	23'5'6"-TeCB	J	1.0065	1.0062	-0.4	2.21E+05	0.75	1.10	0.862	1.88E+03	0.0785
PCB-43	22'35"-TeCB		1.0102	1.0102	0	1.97E+06	0.80	0.63	13.3	1.88E+03	0.136
PCB-69/49	23'46'/22'45"-TeCB	C	1.0192	1.0201	+1.2	7.81E+07	0.80	0.98	344	1.88E+03	0.0886
PCB-48	22'45"-TeCB		1.0311	1.0313	+0.3	1.25E+07	0.80	0.80	66.8	1.88E+03	0.108
PCB-44/47/65	...-TeCB	C	1.0405	1.0396	-1.2	1.10E+08	0.80	0.85	558	1.88E+03	0.102
PCB-59/62/75	...-TeCB	C	1.0526	1.0528	+0.3	7.57E+06	0.81	1.09	29.9	1.88E+03	0.0793
PCB-42	22'34"-TeCB		1.0595	1.0599	+0.6	1.83E+07	0.78	0.76	103	1.88E+03	0.113
PCB-41	22'34"-TeCB		1.0737	1.0740	+0.4	3.42E+06	0.81	0.62	23.7	1.88E+03	0.139
PCB-71/40	23'4'6'/22'33'-TeCB	C	1.0782	1.0789	+1.0	3.93E+07	0.80	0.84	201	1.88E+03	0.103
PCB-64	234'6"-TeCB		1.0872	1.0879	+1.0	4.80E+07	0.80	1.17	177	1.88E+03	0.0739
PCB-72	23'55'-TeCB		0.8338	0.8342	+0.6	1.79E+06	0.78	1.16	6.66	9.62E+03	0.384
PCB-68	23'45'-TeCB		0.8421	0.8428	+1.1	9.90E+05	0.71	1.26	3.39	9.62E+03	0.353
PCB-57	233'5"-TeCB	J	0.8540	0.8552	+1.8	2.15E+05	0.76	1.16	0.8	9.62E+03	0.384
PCB-58	233'5'-TeCB		0.8605	0.8620	+2.3	4.06E+05	0.84	1.16	1.5	9.62E+03	0.382
PCB-67	23'45"-TeCB		0.8657	0.8675	+2.8	2.60E+06	0.77	1.19	9.37	9.62E+03	0.372
PCB-63	234'5"-TeCB		0.8731	0.8749	+2.8	5.39E+06	0.79	1.27	18.2	9.62E+03	0.349
PCB-61/70/74/76	...-TeCB	C	0.8824	0.8844	+3.2	3.75E+08	0.79	1.17	1,380	9.62E+03	0.379
PCB-66	23'44'-TeCB		0.8919	0.8930	+1.8	1.77E+08	0.79	1.11	684	9.62E+03	0.398
PCB-55	233'4"-TeCB		0.8963	0.8975	+1.9	1.66E+06	0.78	1.12	6.41	9.62E+03	0.397

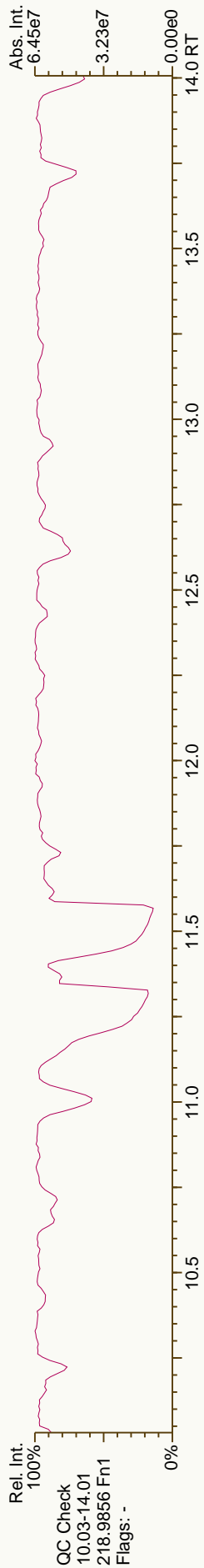
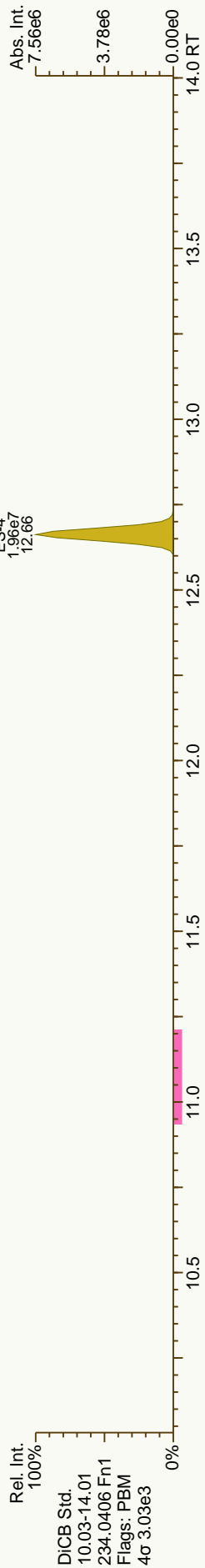
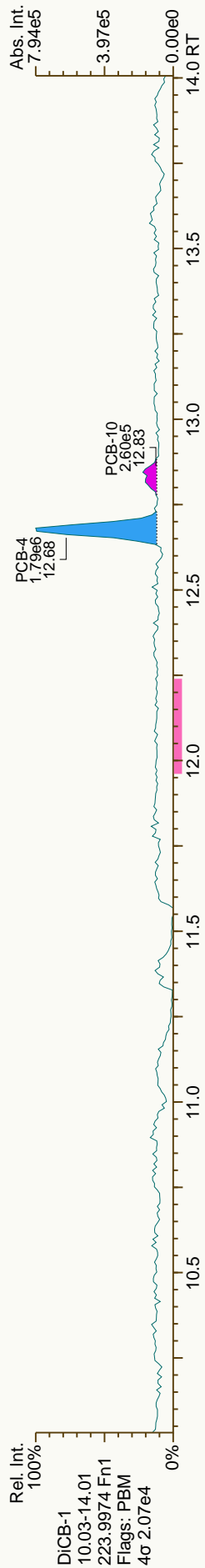
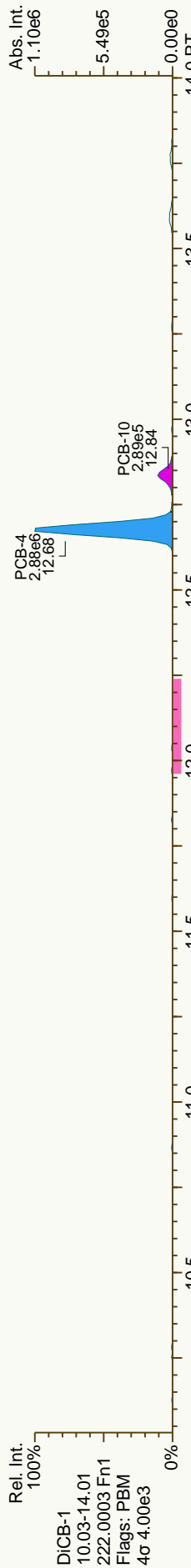
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.10		0.9106	0.9114	+1.3	6.80E+07	0.78	1.08	271	9.62E+03	0.411
PCB-60 234'-TeCB	27.29		0.9169	0.9177	+1.3	3.49E+07	0.78	1.12	134	9.62E+03	0.395
PCB-80 33'55'-TeCB	NotFnd		0.9292	-		0.00E+00		1.29	ND	9.62E+03	0.344
PCB-79 33'45'-TeCB	28.92		0.9724	0.9727	+0.5	3.67E+06	0.87	1.22	12.9	9.62E+03	0.363
PCB-78 33'45'-TeCB	NotFnd		0.9882	-		0.00E+00		1.04	ND	9.62E+03	0.428
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.25	ND	1.45E+03	0.0667
PCB-96 22'366'-PeCB	23.24		1.0138	1.0138	0	1.10E+06	0.64	0.95	7.03	1.45E+03	0.0879
PCB-103 22'45'6'-PeCB	24.95		0.8916	0.8914	-0.3	1.07E+06	0.60	0.94	6.23	2.16E+03	0.137
PCB-94 22'356'-PeCB	25.13		0.8978	0.8978	0	4.62E+05	0.55	0.81	3.12	2.16E+03	0.159
PCB-95 22'35'6'-PeCB	25.52		0.9111	0.9117	+0.9	1.02E+08	0.62	0.86	646	2.16E+03	0.15
PCB-100/93 22'44'6'/22'356'-PeCB	25.73	C	0.9186	0.9191	+0.8	7.76E+05	0.64	0.90	4.74	2.16E+03	0.144
PCB-102 22'456'-PeCB	25.85		0.9226	0.9233	+1.1	3.99E+06	0.61	0.89	24.6	2.16E+03	0.145
PCB-98 22'34'6'-PeCB	25.92		0.9249	0.9261	+1.9	1.94E+05	0.64	0.83	1.27	2.16E+03	0.155
PCB-88 22'346'-PeCB	NotFnd		0.9350	-		0.00E+00		0.83	ND	2.16E+03	0.156
PCB-91 22'34'6'-PeCB	26.26		0.9375	0.9383	+1.3	3.15E+07	0.61	0.92	188	2.16E+03	0.141
PCB-84 22'33'6'-PeCB	26.43		0.9438	0.9443	+0.8	5.67E+07	0.62	0.72	430	2.16E+03	0.178
PCB-89 22'346'-PeCB	26.83		0.9584	0.9585	+0.2	1.60E+06	0.61	0.79	11.1	2.16E+03	0.164
PCB-121 23'45'6'-PeCB	NotFnd		0.9722	-		0.00E+00		1.20	ND	2.16E+03	0.108
PCB-92 22'355'-PeCB	27.52		0.9830	0.9832	+0.3	5.35E+07	0.61	0.82	357	2.16E+03	0.157
PCB-113/90/101 ...-PeCB	28.01	C	0.9999	1.0008	+1.5	3.35E+08	0.62	0.97	1,900	2.16E+03	0.133
PCB-83 22'33'5'-PeCB	28.39		1.0148	1.0142	-1.0	1.14E+07	0.60	0.68	92.8	2.16E+03	0.191
PCB-99 22'44'5'-PeCB	28.50		1.0185	1.0182	-0.5	1.57E+08	0.63	0.96	892	2.16E+03	0.134
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.14	ND	2.16E+03	0.113
PCB-108/119/86/97/125...-PeCB	28.95	C	1.0339	1.0342	+0.5	2.27E+08	0.62	0.98	1,270	2.16E+03	0.131
PCB-117 234'56'-PeCB	29.43		1.0526	1.0515	-1.9	6.17E+06	0.59	0.89	38	2.16E+03	0.145
PCB-116/85 23456'/22'344'-PeCB	29.51	C	1.0553	1.0542	-1.9	5.38E+07	0.62	1.06	277	2.16E+03	0.121
PCB-110 233'4'6'-PeCB	29.64		1.0599	1.0590	-1.6	4.36E+08	0.62	1.01	2,370	2.16E+03	0.128
PCB-115 2344'6'-PeCB	29.75		1.0629	1.0627	-0.4	5.94E+06	0.65	1.23	26.5	2.16E+03	0.105
PCB-82 22'33'4'-PeCB	29.90		1.0693	1.0682	-2.0	2.61E+07	0.61	0.70	204	2.16E+03	0.184
PCB-111 233'55'-PeCB	30.27		1.0822	1.0814	-1.5	3.29E+05	0.59	1.18	1.53	2.16E+03	0.109
PCB-120 23'455'-PeCB	30.66		1.0962	1.0951	-2.0	1.24E+06	0.64	1.16	5.86	2.16E+03	0.111
PCB-107/124 ...-PeCB	31.60	C	0.9911	0.9913	+0.4	1.48E+07	0.61	1.09	74.1	2.16E+03	0.118
PCB-109 233'46'-PeCB	31.80		0.9974	0.9977	+0.6	2.86E+07	0.62	1.16	135	2.16E+03	0.111
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		1.04	ND	2.16E+03	0.124
PCB-122 233'4'5'-PeCB	32.45		1.0093	1.0091	-0.4	3.84E+06	0.63	1.01	23.4	2.16E+03	0.144
PCB-127 33'455'-PeCB	NotFnd		1.0386	-		0.00E+00		1.07	ND	2.16E+03	0.133
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	1.31E+03	0.0625
PCB-152 22'3566'-HxCB	27.96		1.0056	1.0054	-0.3	2.84E+05	1.16	0.95	1.59	1.31E+03	0.072
PCB-150 22'34'66'-HxCB	28.11		1.0111	1.0108	-0.5	3.51E+05	1.15	0.98	1.89	1.31E+03	0.0694
PCB-136 22'33'66'-HxCB	28.40		1.0213	1.0210	-0.5	3.23E+07	1.25	0.90	191	1.31E+03	0.0761
PCB-145 22'3466'-HxCB	28.66	J	1.0309	1.0303	-1.0	1.29E+05	1.39	0.92	0.743	1.31E+03	0.0743
PCB-148 22'34'56'-HxCB	29.95		1.0774	1.0767	-1.3	2.74E+05	1.33	0.69	2.09	1.31E+03	0.0987
PCB-151/135 ...-HxCB	30.44	C	1.0955	1.0944	-2.0	5.69E+07	1.27	0.67	446	1.31E+03	0.101
PCB-154 22'44'56'-HxCB	30.65		1.1032	1.1022	-1.8	2.81E+06	1.25	0.78	19.2	1.31E+03	0.0879
PCB-144 22'345'6'-HxCB	30.90		1.1122	1.1111	-2.0	8.80E+06	1.26	0.70	66.6	1.31E+03	0.0976

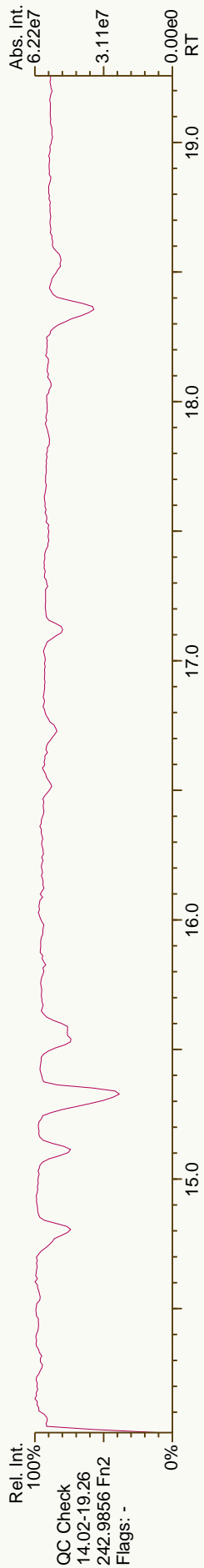
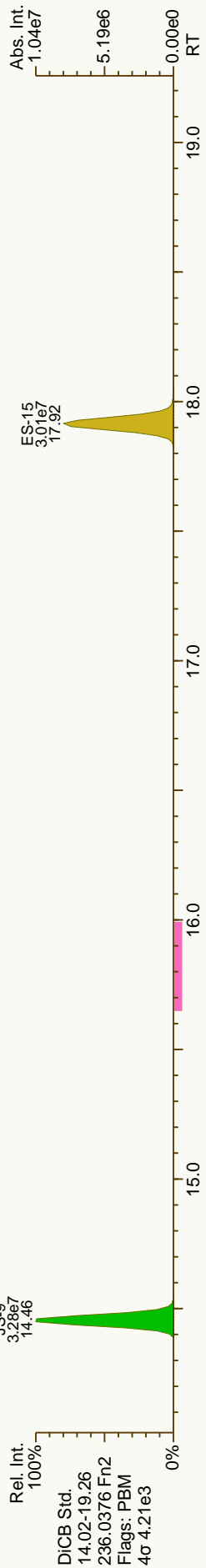
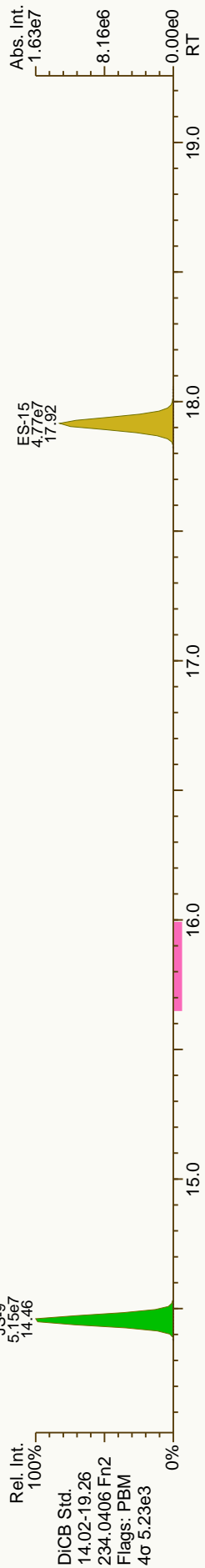
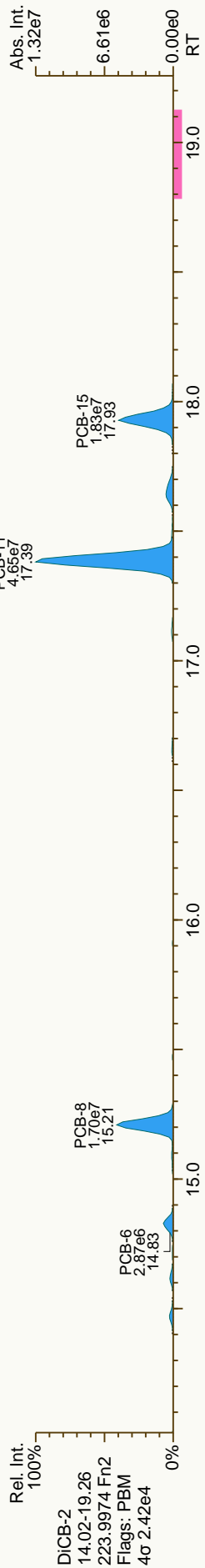
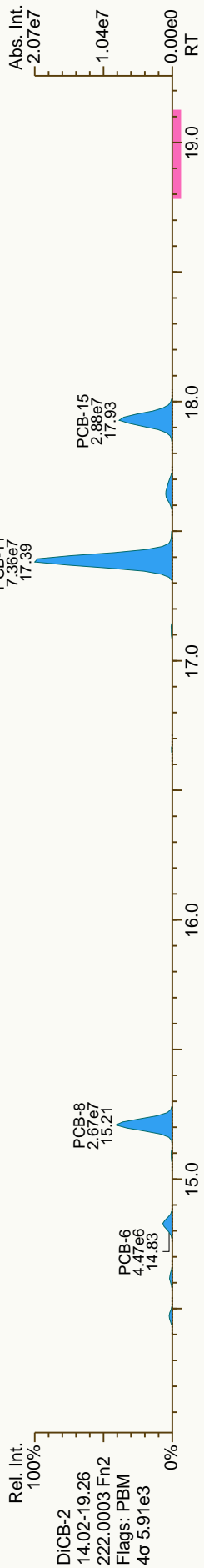
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc./ Recv.	Noise/ Recv. Low	DL/ Recv. High
PCB-147/149 ...-HxCB	31.19	C	1.1230	1.1215	-2.8	1.56E+08	1.25	0.70	1,180	1.31E+03	0.0973
PCB-134 22'33'56'-HxCB	31.35		1.1286	1.1273	-2.4	1.18E+07	1.26	0.54	114	1.31E+03	0.125
PCB-143 22'3456'-HxCB	31.44		1.1315	1.1305	-1.9	7.90E+05	1.30	0.68	6.12	1.31E+03	0.0999
PCB-139/140 ...-HxCB	31.70	C	1.1413	1.1399	-2.7	5.48E+06	1.28	0.71	40.8	1.31E+03	0.096
PCB-131 22'33'46'-HxCB	31.86		1.1470	1.1457	-2.5	3.29E+06	1.26	0.60	28.8	1.31E+03	0.113
PCB-142 22'3456'-HxCB	32.00	J	1.1518	1.1504	-2.7	5.85E+04	1.22	0.61	0.51	1.31E+03	0.112
PCB-132 22'33'46'-HxCB	32.24		1.1605	1.1591	-2.7	7.41E+07	1.25	0.63	624	1.31E+03	0.109
PCB-133 22'33'55'-HxCB	32.69		1.1765	1.1754	-2.2	3.21E+06	1.28	0.64	26.6	1.31E+03	0.107
PCB-165 233'55'6'-HxCB	33.02	J	0.9500	0.9499	-0.2	7.64E+04	1.32	0.81	0.501	1.31E+03	0.0845
PCB-146 22'34'55'-HxCB	33.23		0.9560	0.9558	-0.4	2.56E+07	1.27	0.72	187	1.31E+03	0.0942
PCB-161 233'45'6'-HxCB	NotFnd		0.9593	-		0.00E+00		0.89	ND	1.31E+03	0.077
PCB-153/168 ...-HxCB	33.75	C	0.9715	0.9709	-1.2	2.27E+08	1.26	0.93	1,290	1.31E+03	0.0733
PCB-141 22'3455'-HxCB	33.91		0.9753	0.9753	0	3.51E+07	1.25	0.67	278	1.31E+03	0.102
PCB-130 22'33'45'-HxCB	34.24		0.9850	0.9850	0	1.62E+07	1.26	0.59	146	1.31E+03	0.116
PCB-137 22'344'5'-HxCB	34.44		0.9906	0.9907	+0.2	1.62E+07	1.27	0.66	131	1.31E+03	0.104
PCB-164 233'4'5'6'-HxCB	34.53		0.9931	0.9931	0	2.00E+07	1.26	0.95	111	1.31E+03	0.0715
PCB-163/138/129 ...-HxCB	34.79	C	1.0012	1.0008	-0.8	2.95E+08	1.26	0.73	2,150	1.31E+03	0.0937
PCB-160 233'456'-HxCB	NotFnd		1.0048	-		0.00E+00		0.83	ND	1.31E+03	0.082
PCB-158 233'44'6'-HxCB	35.12		1.0103	1.0103	0	3.98E+07	1.27	0.95	222	1.31E+03	0.0719
PCB-128/166 ...-HxCB	35.84	C	0.9607	0.9605	-0.4	5.19E+07	1.22	0.88	399	5.06E+03	0.425
PCB-159 233'455'-HxCB	NotFnd		0.9834	-		0.00E+00		1.02	ND	5.06E+03	0.368
PCB-162 233'4'55'-HxCB	36.93		0.9898	0.9898	0	1.23E+06	1.20	1.06	7.91	5.06E+03	0.355
PCB-188 22'34'566'-HxCB	32.62	J	1.0006	1.0008	+0.4	6.39E+04	0.97	1.03	0.429	1.12E+03	0.0815
PCB-179 22'33'566'-HxCB	32.88		1.0088	1.0087	-0.2	1.11E+07	1.06	0.91	84.6	1.12E+03	0.0923
PCB-184 22'344'66'-HxCB	33.35	J	1.0231	1.0234	+0.6	3.85E+04	1.04	0.91	0.293	1.12E+03	0.0922
PCB-176 22'33'466'-HxCB	33.62		1.0317	1.0316	-0.2	3.44E+06	1.06	1.00	23.8	1.12E+03	0.084
PCB-186 22'34566'-HxCB	NotFnd		1.0434	-		0.00E+00		0.94	ND	1.12E+03	0.0893
PCB-178 22'33'55'6'-HxCB	35.18		1.0791	1.0793	+0.4	4.34E+06	1.06	0.68	44.3	1.12E+03	0.124
PCB-175 22'33'45'6'-HxCB	35.71		1.0956	1.0957	+0.2	9.98E+05	1.04	0.77	8.97	2.44E+03	0.238
PCB-187 22'34'55'6'-HxCB	35.94		1.1026	1.1027	+0.2	3.06E+07	1.05	0.83	257	2.44E+03	0.223
PCB-182 22'344'56'-HxCB	36.11		1.1079	1.1079	0	2.57E+05	1.01	0.86	2.08	2.44E+03	0.215
PCB-183 22'344'5'6'-HxCB	36.46		1.1185	1.1185	0	1.52E+07	1.04	0.90	118	2.44E+03	0.205
PCB-185 22'3455'6'-HxCB	36.53		1.1208	1.1209	+0.2	1.49E+06	1.04	0.79	13.2	2.44E+03	0.234
PCB-174 22'33'456'-HxCB	36.63		1.1240	1.1240	0	2.07E+07	1.05	0.72	199	2.44E+03	0.256
PCB-177 22'33'45'6'-HxCB	37.00		1.1353	1.1354	+0.2	1.33E+07	1.05	0.70	133	2.44E+03	0.265
PCB-181 22'344'56'-HxCB	37.35		1.1459	1.1461	+0.4	4.23E+05	0.99	0.81	3.63	2.44E+03	0.228
PCB-171/173 ...-HxCB	37.54	C	1.1512	1.1517	+1.1	7.57E+06	1.06	0.71	74.3	2.44E+03	0.26
PCB-172 22'33'455'-HxCB	38.91		0.9026	0.9026	0	3.63E+06	1.02	0.71	40.5	2.44E+03	0.298
PCB-192 233'455'6'-HxCB	NotFnd		0.9083	-		0.00E+00		0.93	ND	2.44E+03	0.226
PCB-180/193 ...-HxCB	39.46	C	0.9146	0.9153	+1.7	5.34E+07	1.04	0.90	466	2.44E+03	0.233
PCB-191 233'44'5'6'-HxCB	39.75		0.9222	0.9222	0	1.21E+06	1.04	0.97	9.85	2.44E+03	0.218
PCB-170 22'33'44'5'-HxCB	40.50		0.9396	0.9394	-0.5	2.06E+07	1.04	0.72	224	2.44E+03	0.291
PCB-190 233'44'56'-HxCB	40.95		0.9500	0.9499	-0.2	5.36E+06	1.06	0.97	43.6	2.44E+03	0.217
PCB-202 22'33'55'66'-OCCB	37.12		1.0006	1.0006	0	3.46E+06	0.89	0.91	31.9	1.29E+03	0.142
PCB-201 22'33'45'66'-OCCB	37.90		1.0215	1.0215	0	1.73E+06	0.90	0.98	14.9	1.29E+03	0.132

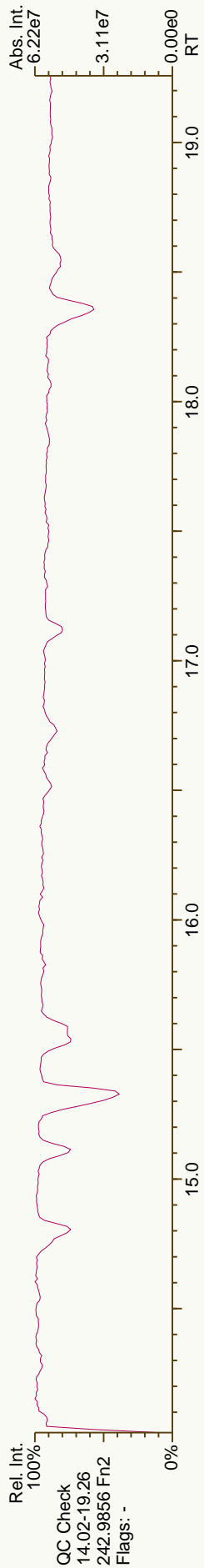
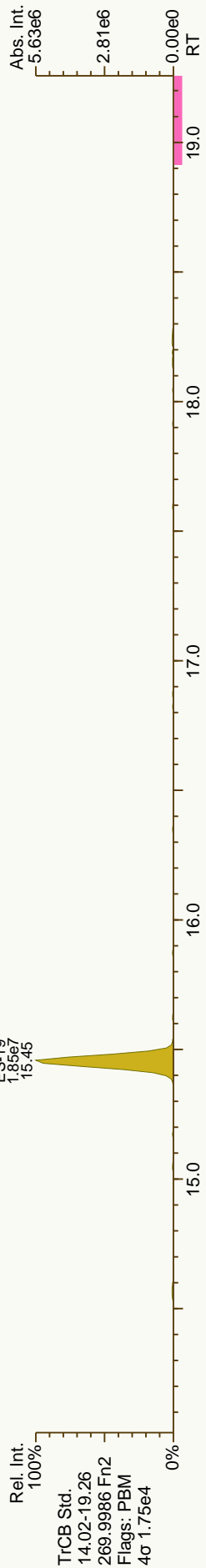
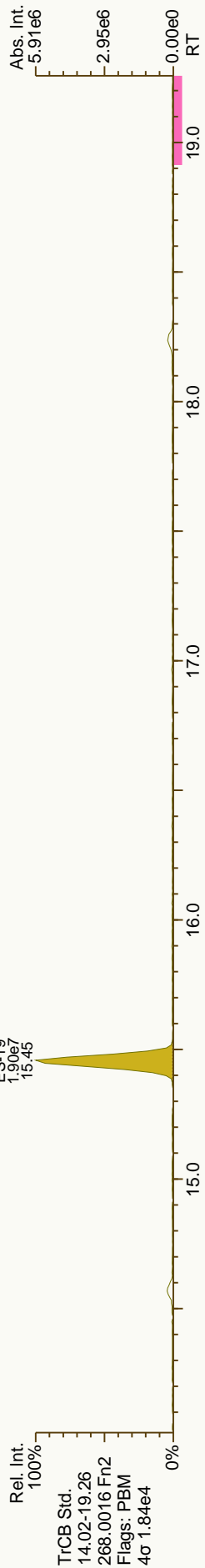
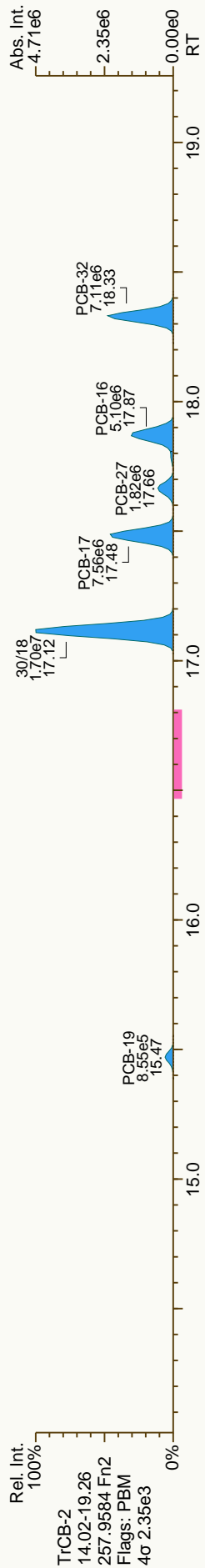
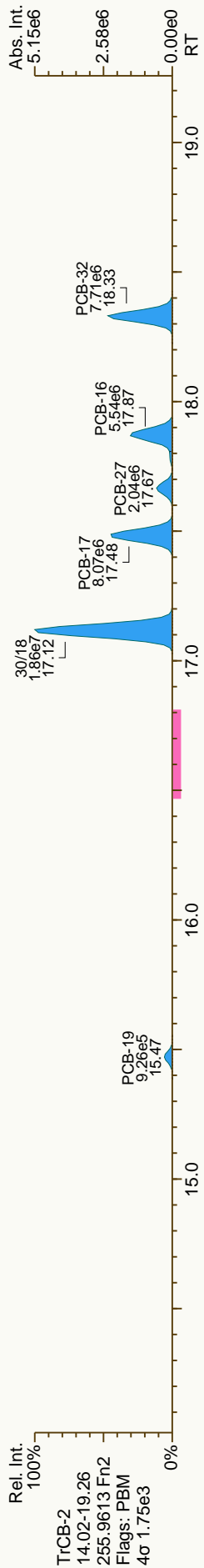
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204	22'344'566'-OCCB		1.0369	-		0.00E+00		0.93	ND	1.29E+03	0.139
PCB-197	22'33'44'66'-OCCB	EMPC	1.0420	1.0416	-0.9	3.22E+05	0.67	1.02	2.66	1.29E+03	0.127
PCB-200	22'33'4566'-OCCB		1.0441	1.0437	-0.9	9.43E+05	0.98	0.93	8.57	1.29E+03	0.14
PCB-198/199	...-OCCB	C	1.1072	1.1079	+1.7	1.06E+07	0.88	0.67	134	1.29E+03	0.194
PCB-196	22'33'44'56'-OCCB		1.1225	1.1227	+0.5	3.93E+06	0.88	0.70	47.7	1.29E+03	0.186
PCB-203	22'344'55'6-OCCB		1.1270	1.1273	+0.8	7.38E+06	0.92	0.73	85.2	1.29E+03	0.177
PCB-195	22'33'44'56-OCCB		0.9483	0.9480	-0.8	2.53E+06	0.96	0.75	33.1	1.83E+03	0.27
PCB-194	22'33'44'55'-OCCB		0.9917	0.9917	0	8.34E+06	0.92	0.81	102	1.83E+03	0.251
PCB-205	233'44'55'6-OCCB		1.0004	1.0004	0	4.09E+05	1.00	1.09	3.7	1.83E+03	0.186
PCB-208	22'33'455'66'-NoCB		1.0005	1.0005	0	2.28E+06	0.78	1.02	21.6	1.17E+03	0.137
PCB-207	22'33'44'566'-NoCB		1.0188	1.0187	-0.3	9.18E+05	0.78	0.94	9.44	1.17E+03	0.149
PCB-206	22'33'44'55'6-NoCB		1.0004	1.0002	-0.6	6.06E+06	0.77	0.98	70.2	1.17E+03	0.196

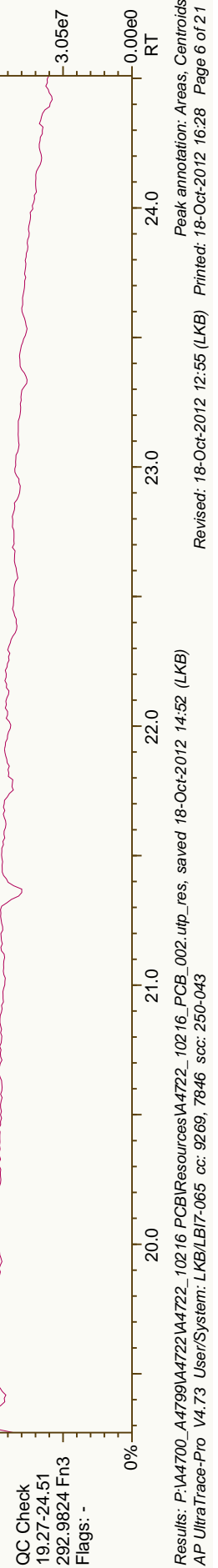
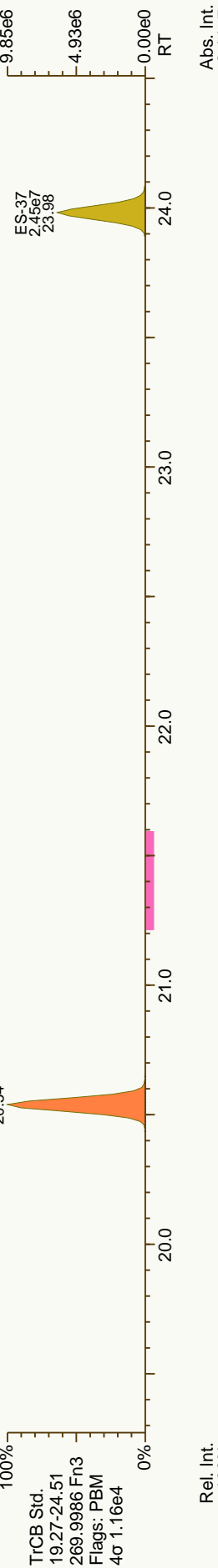
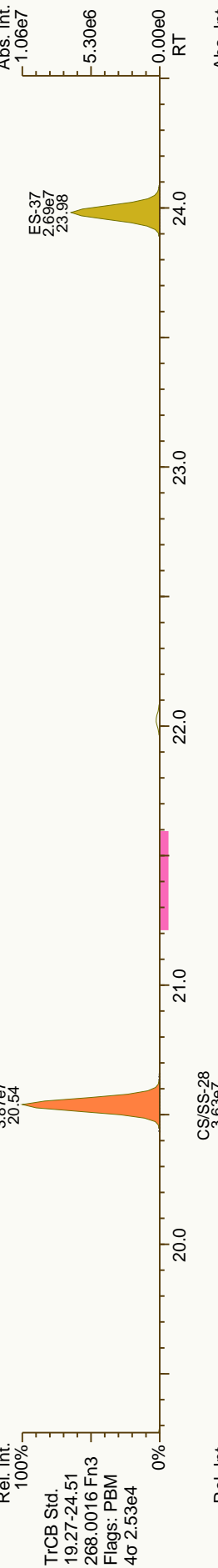
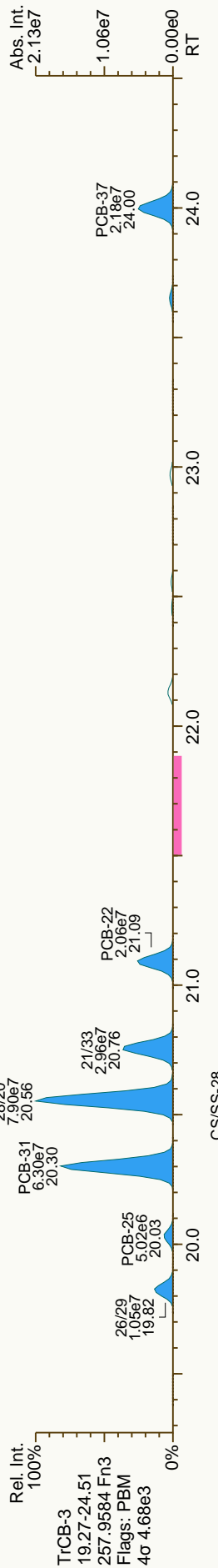
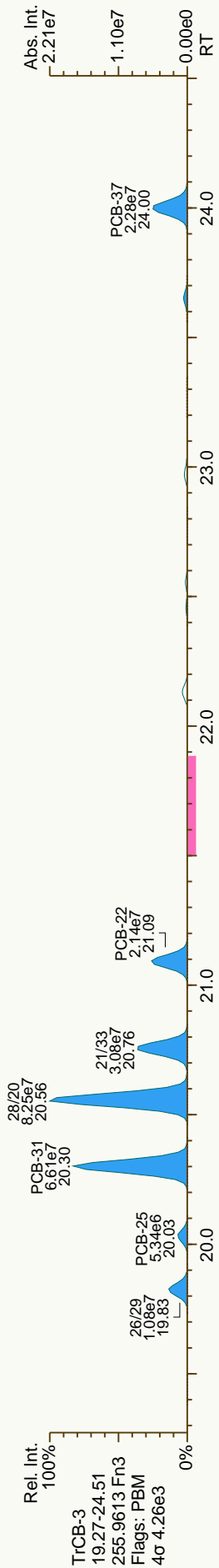


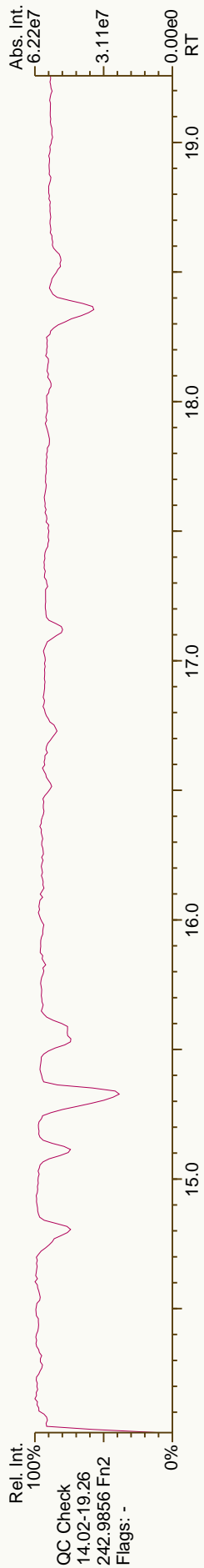
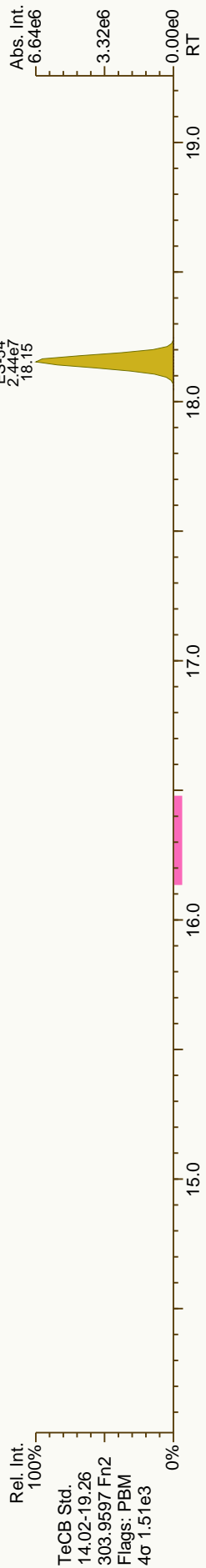
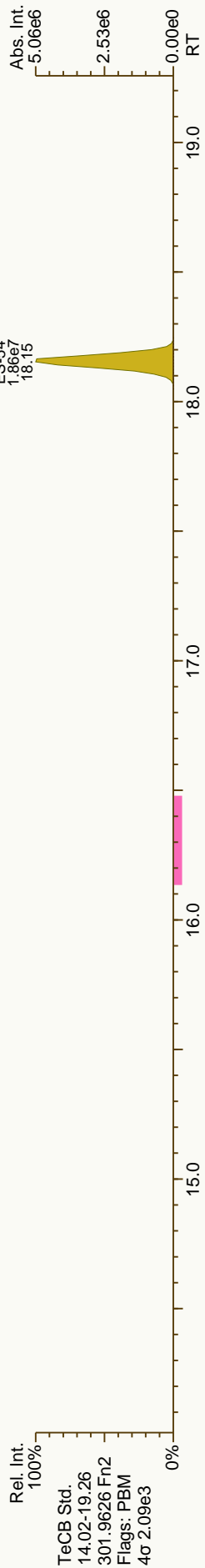
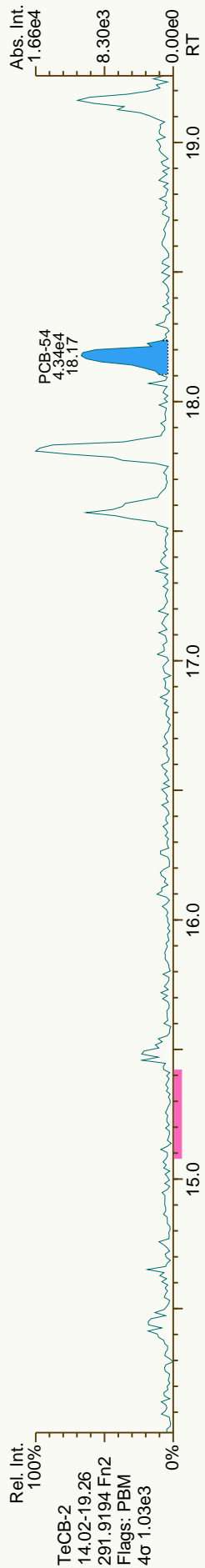
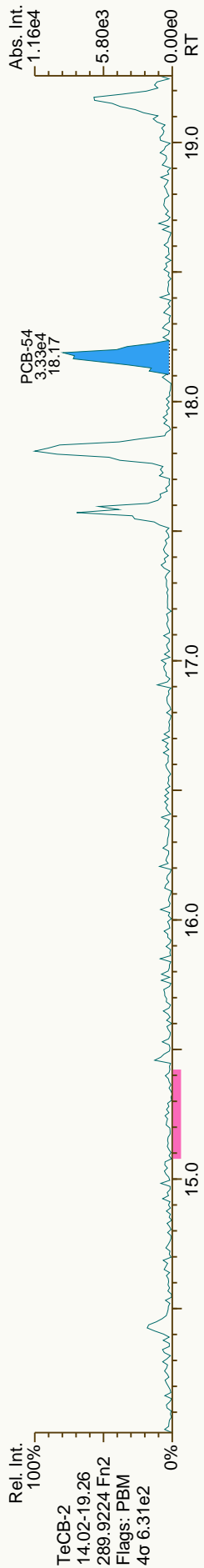


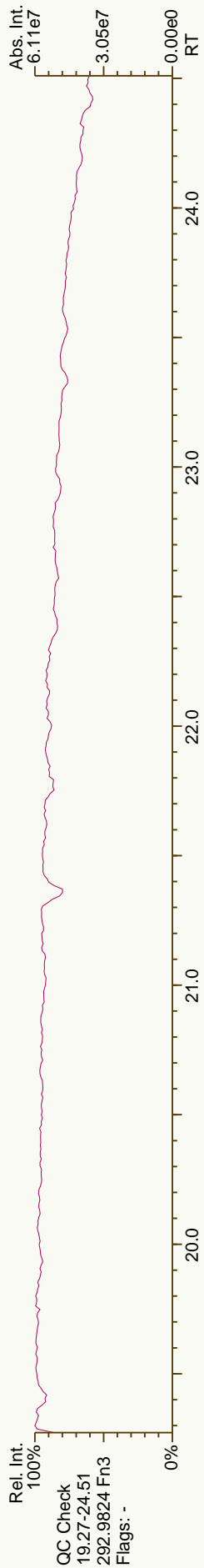
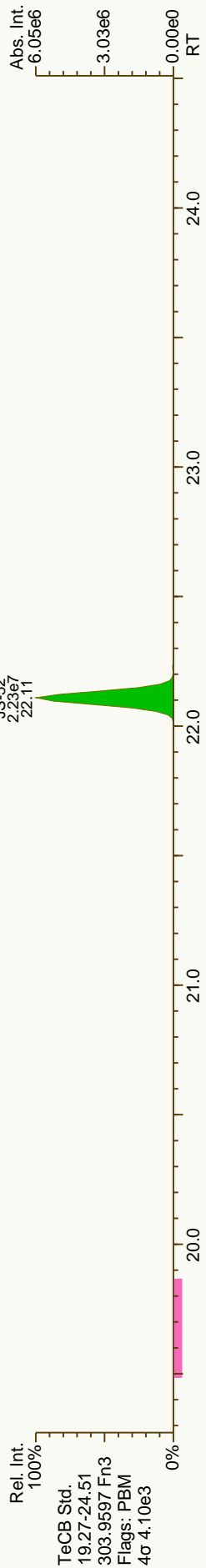
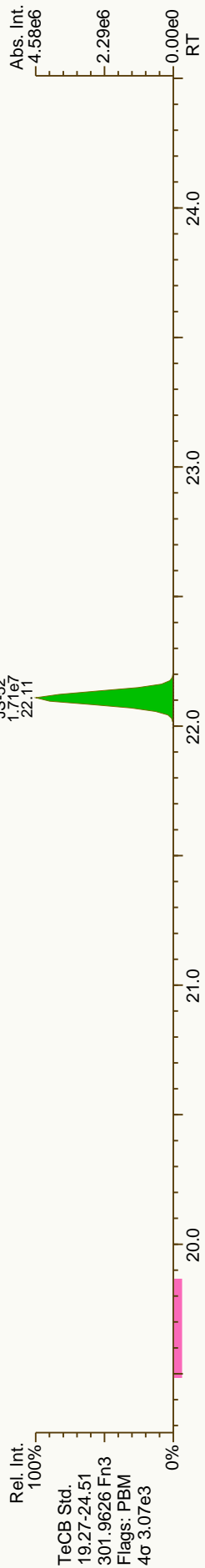
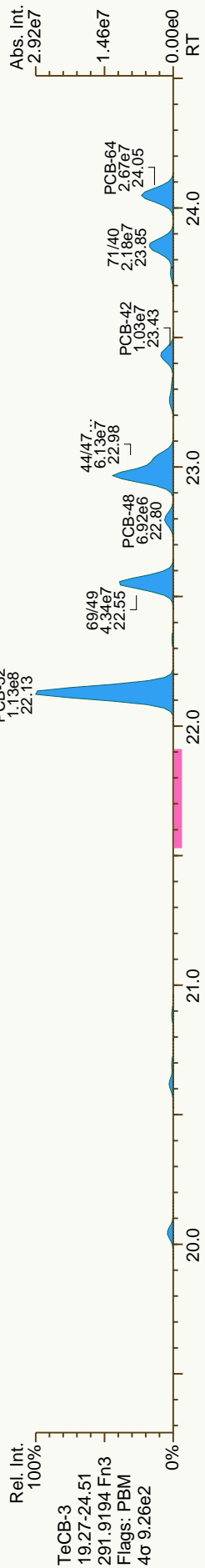
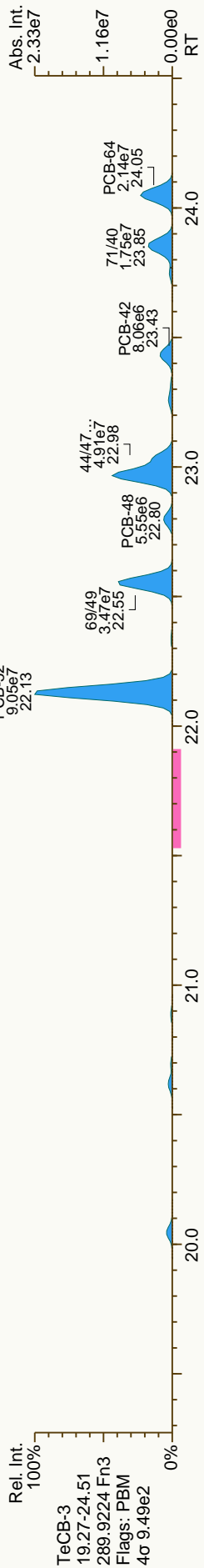


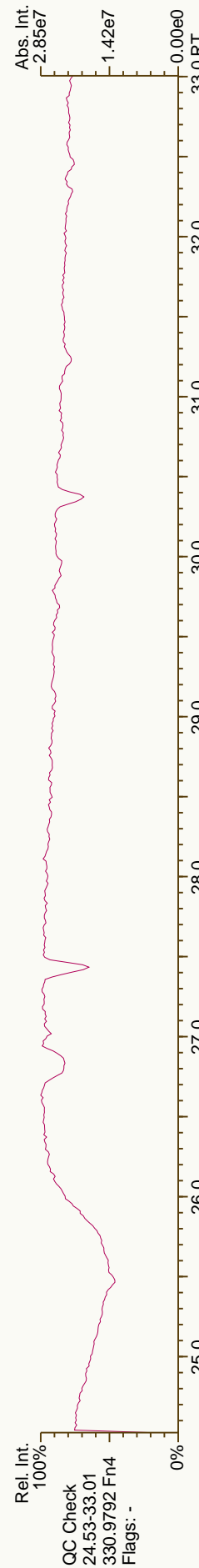
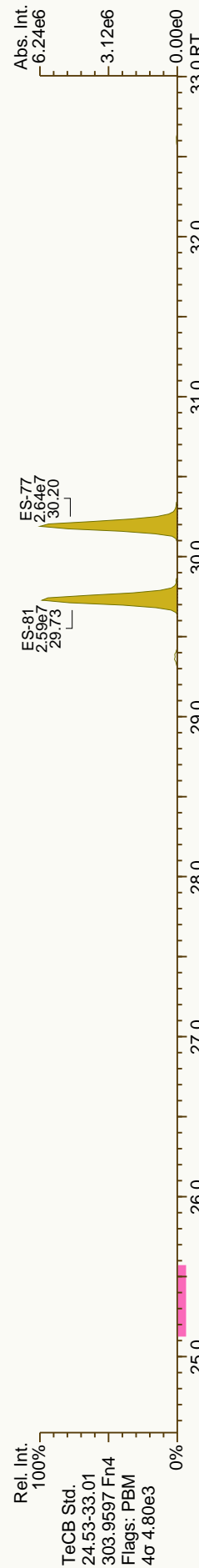
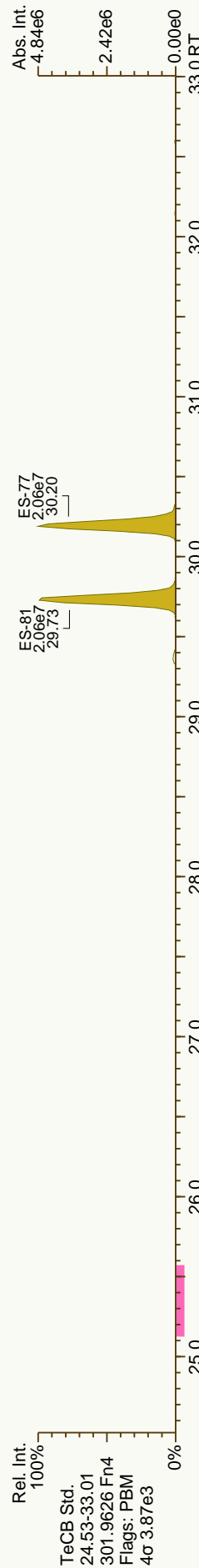
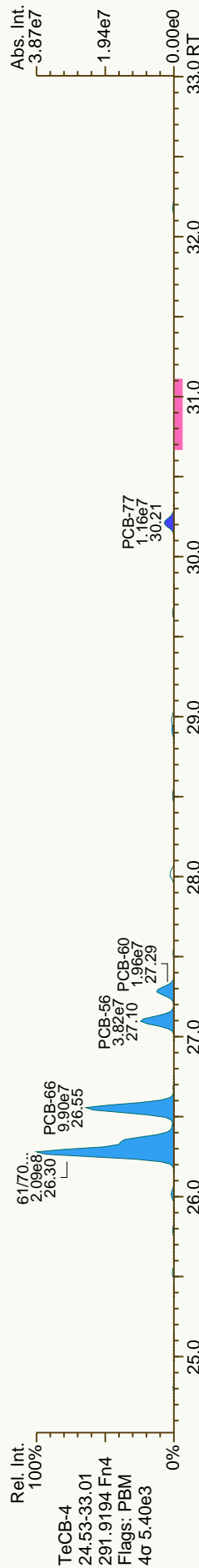
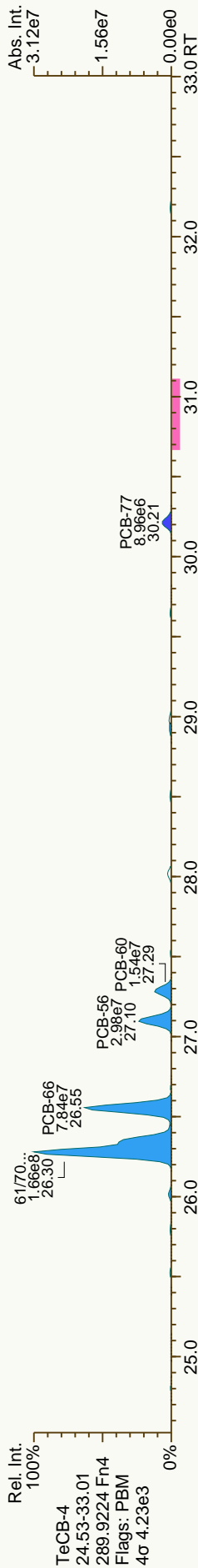


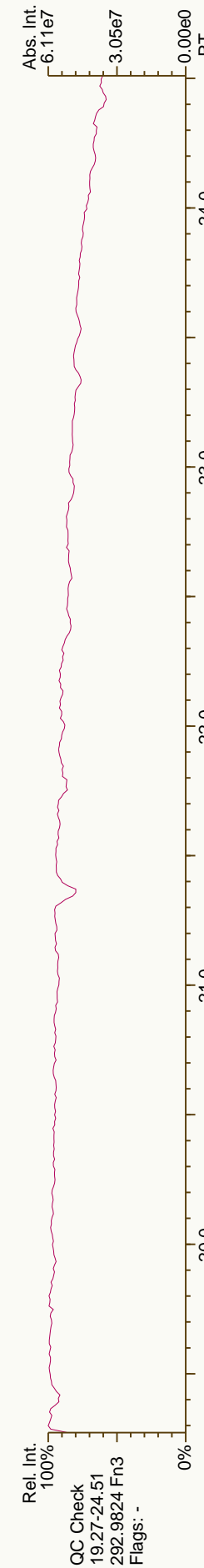
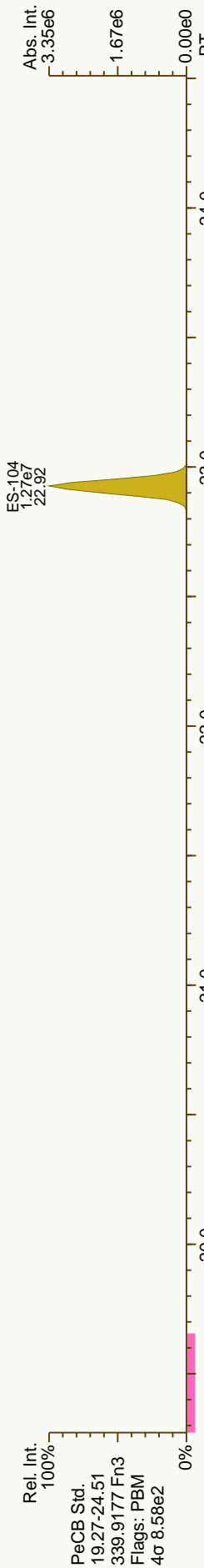
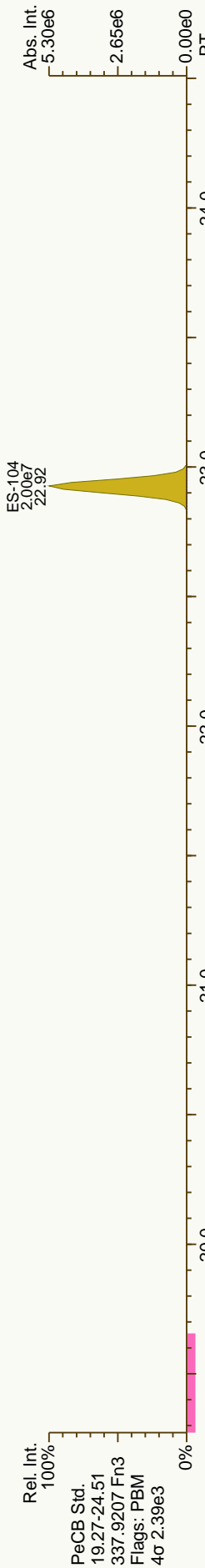
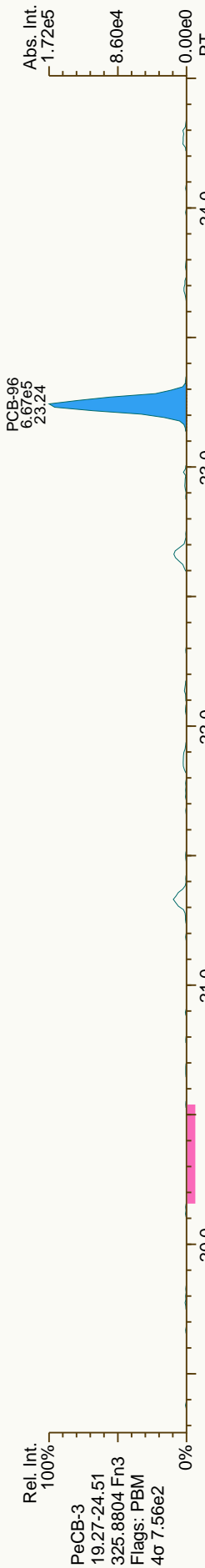
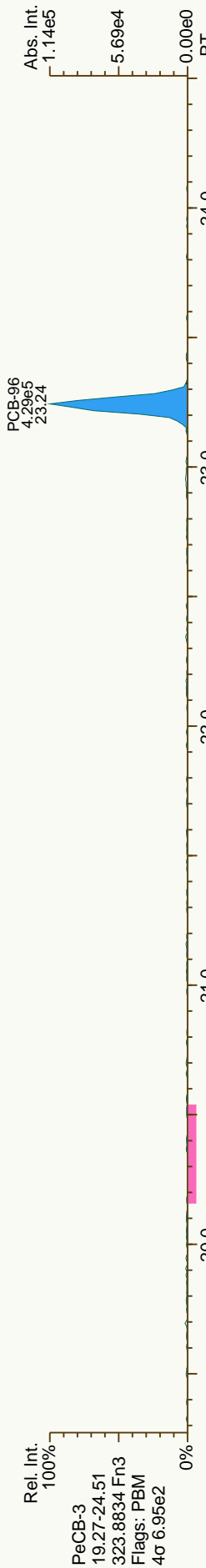


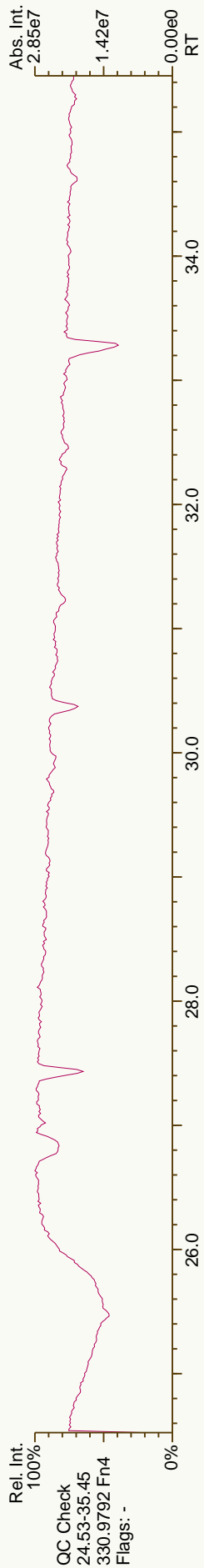
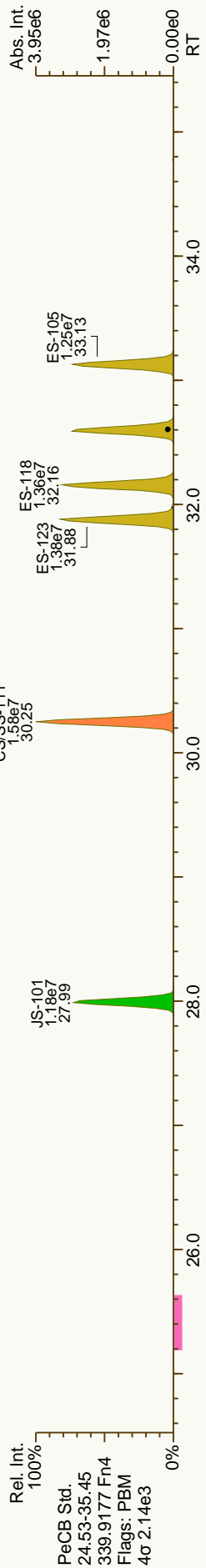
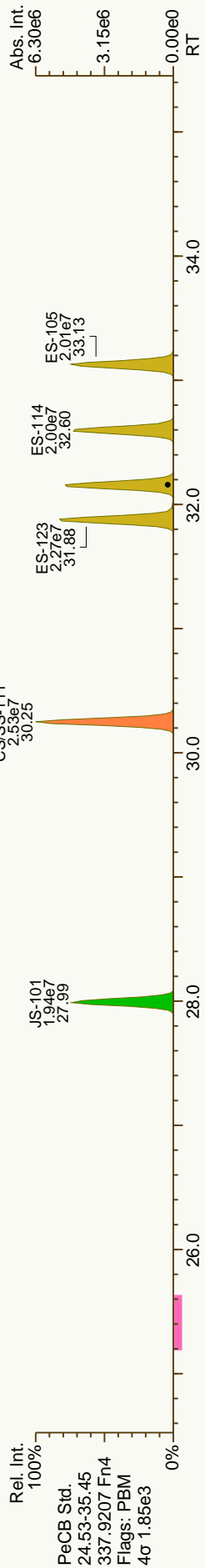
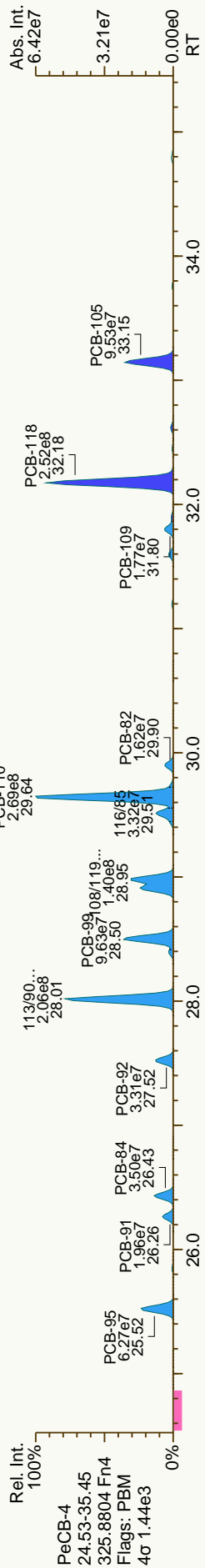
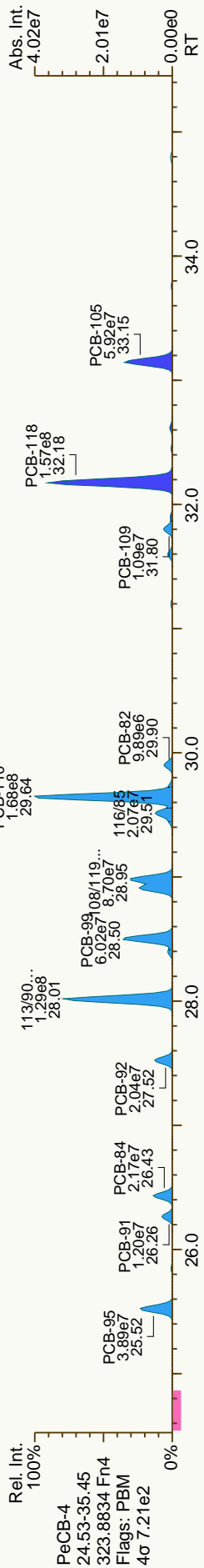


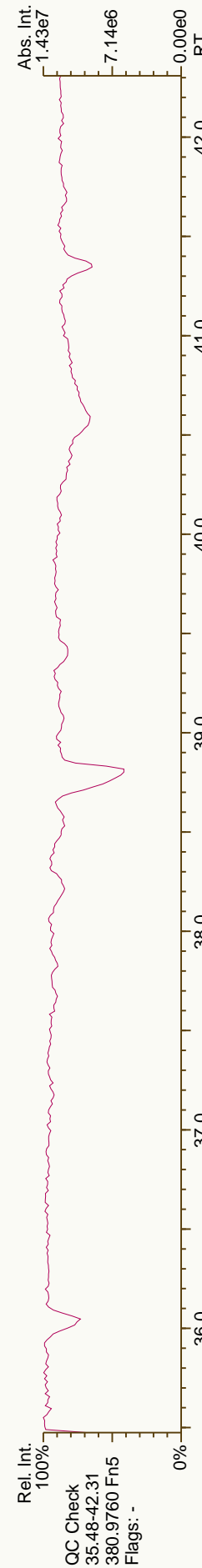
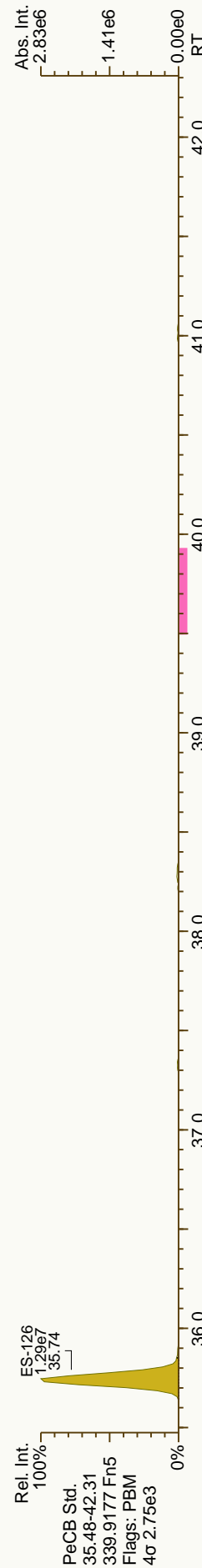
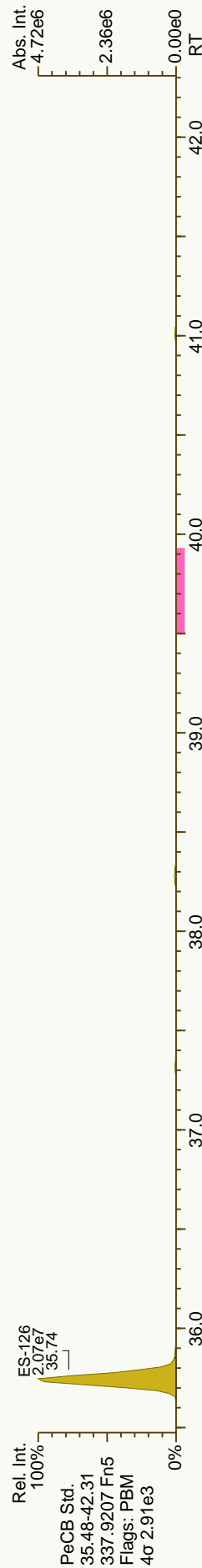
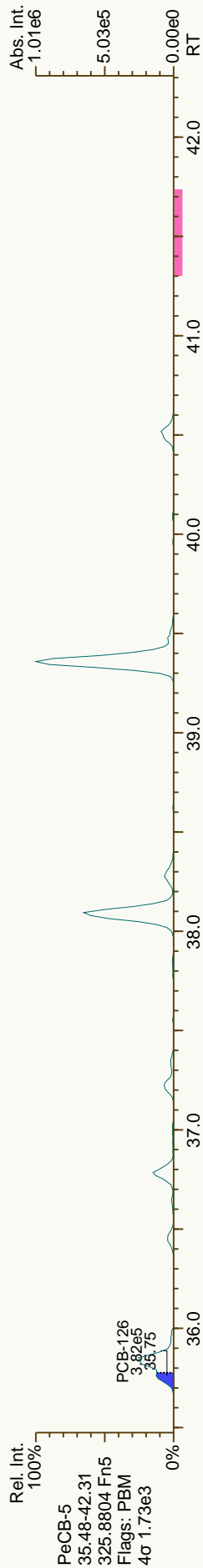
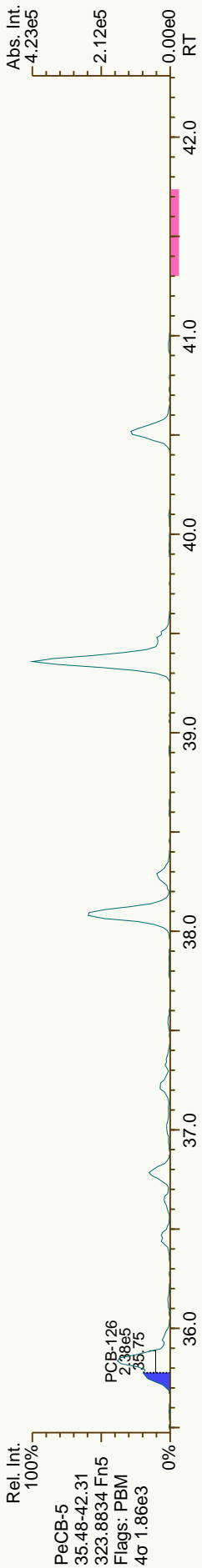


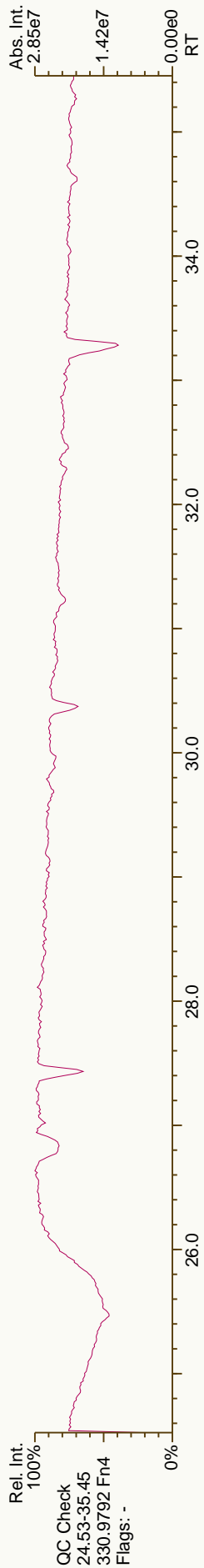
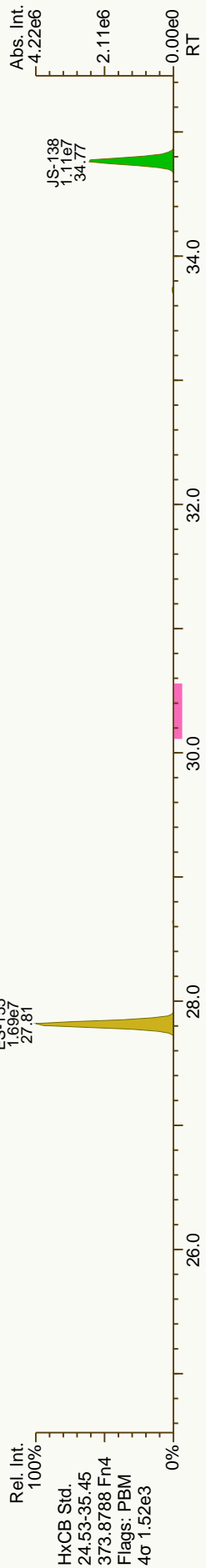
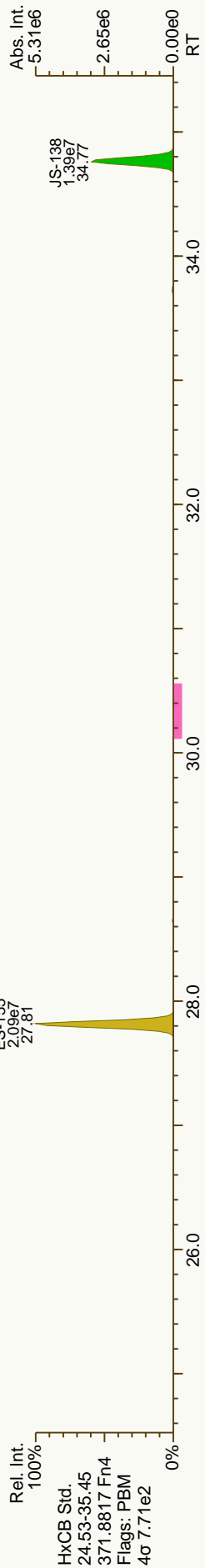
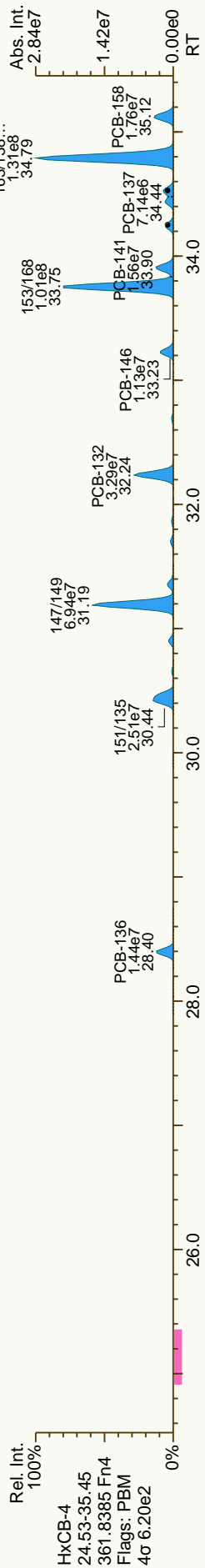
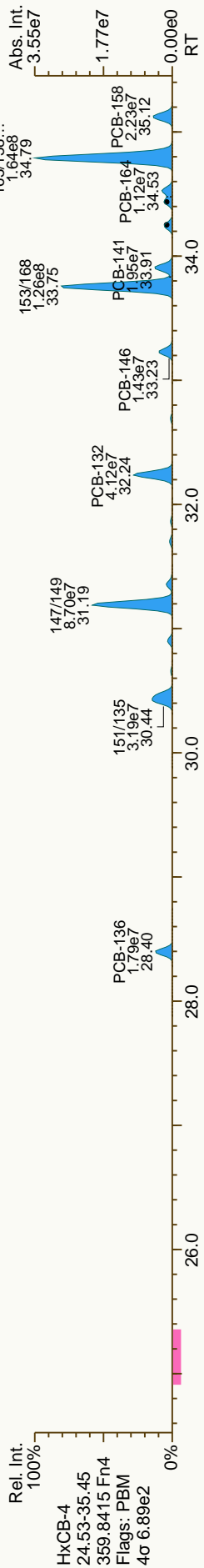


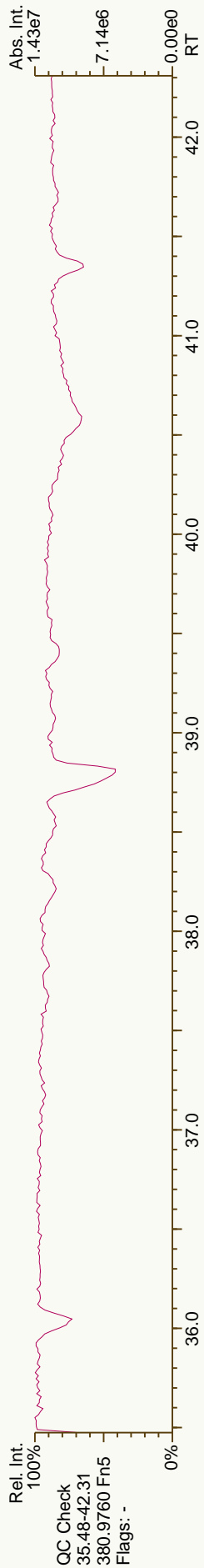
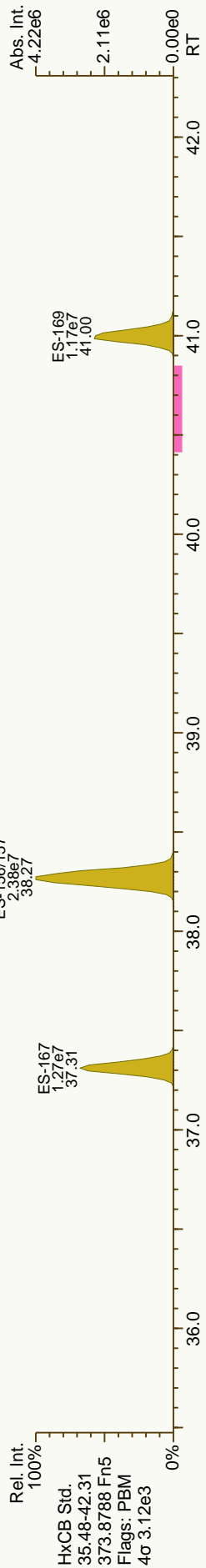
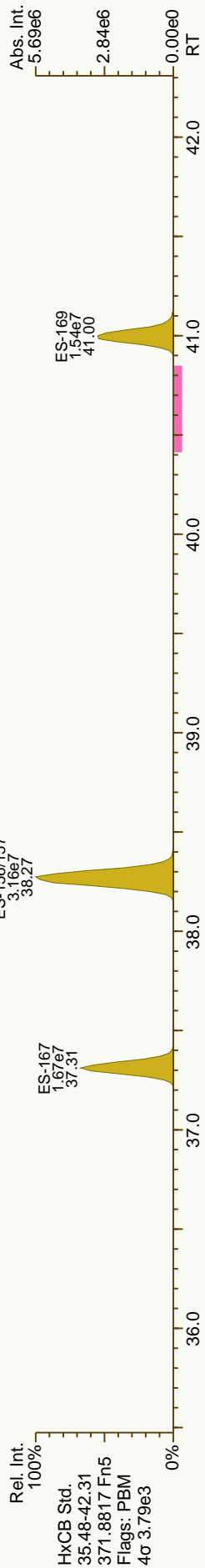
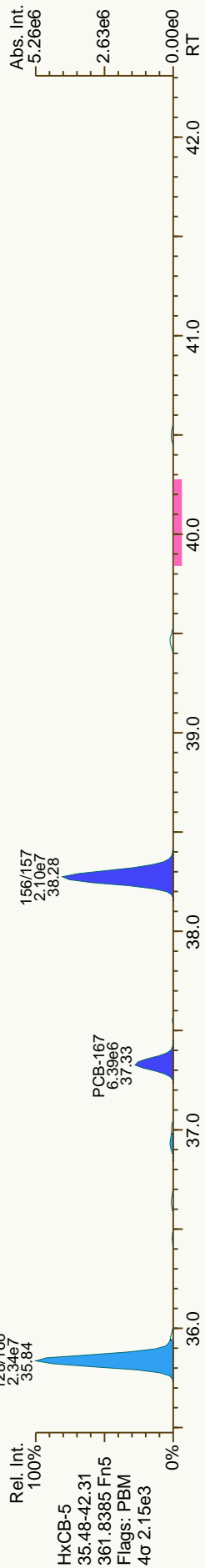
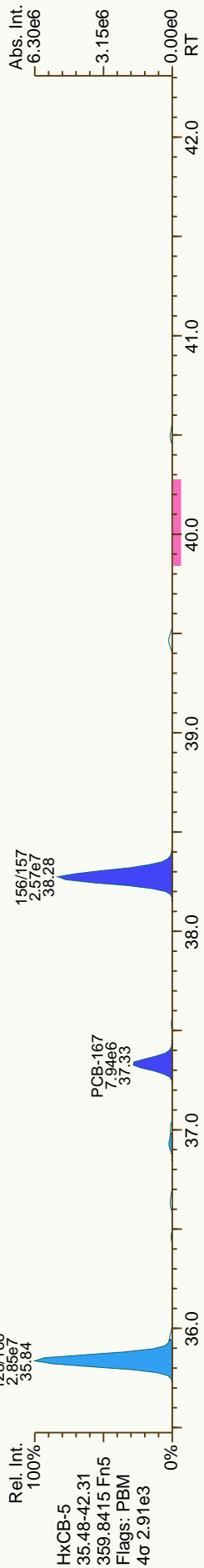


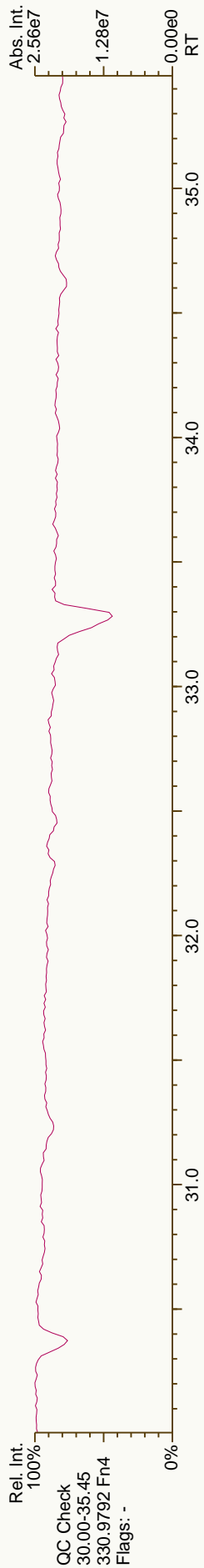
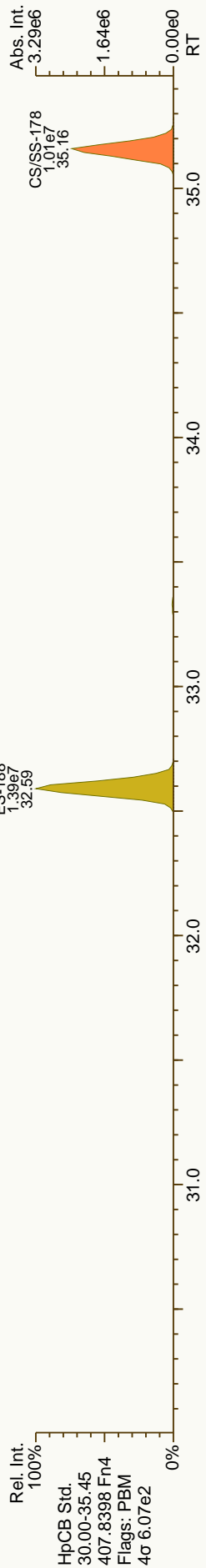
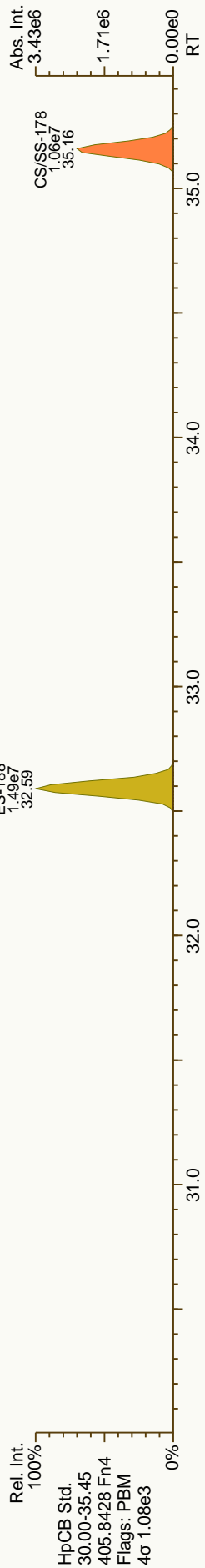
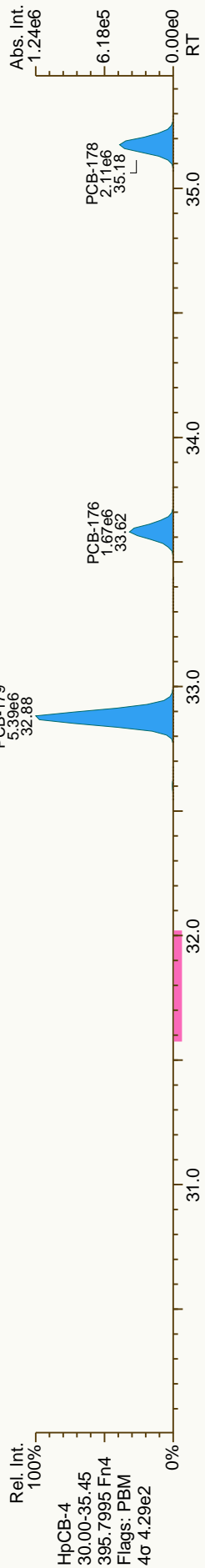
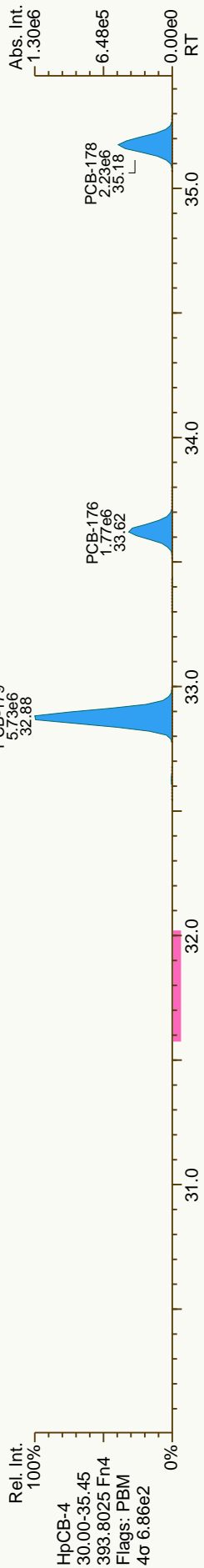


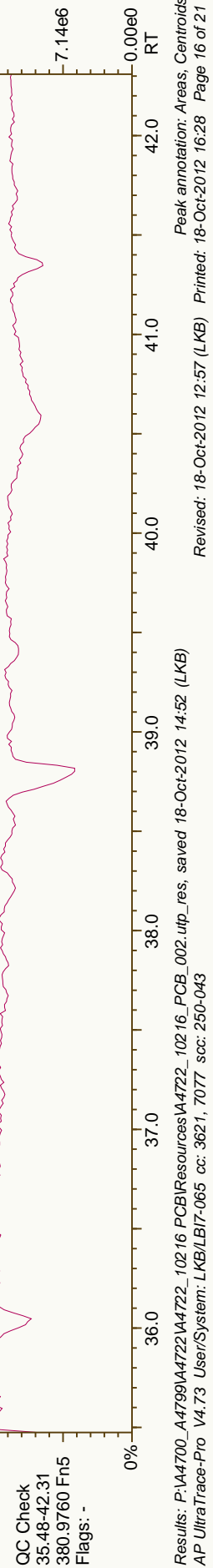
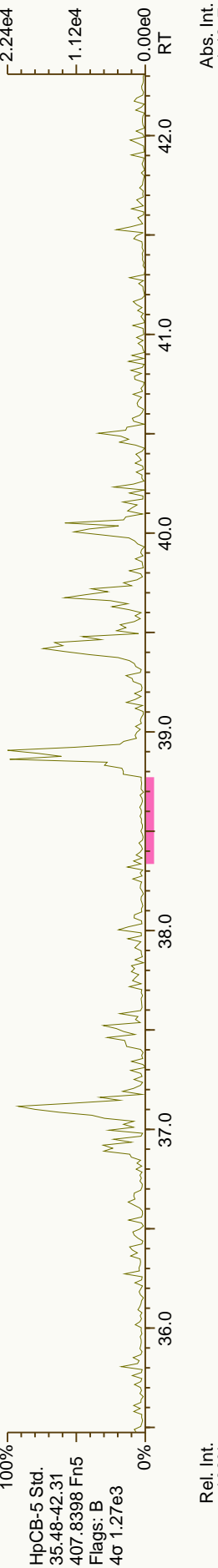
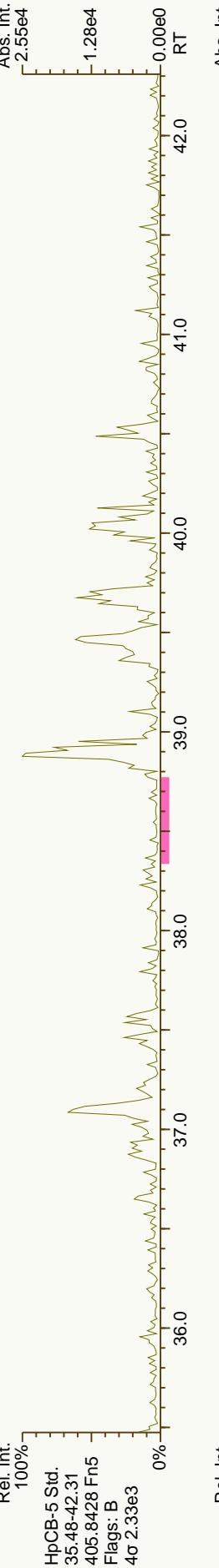
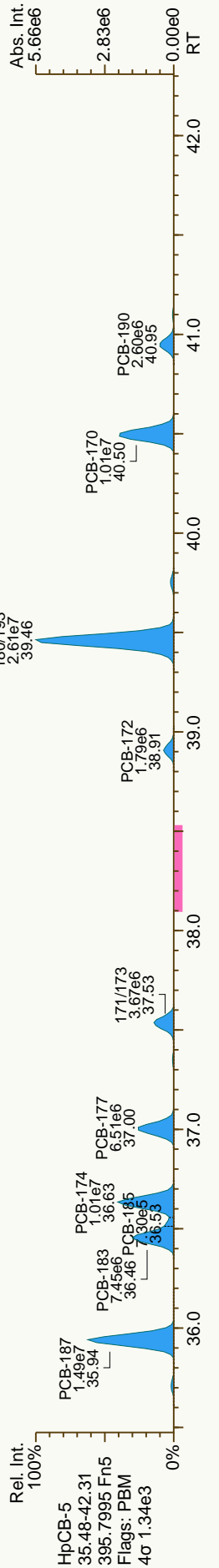
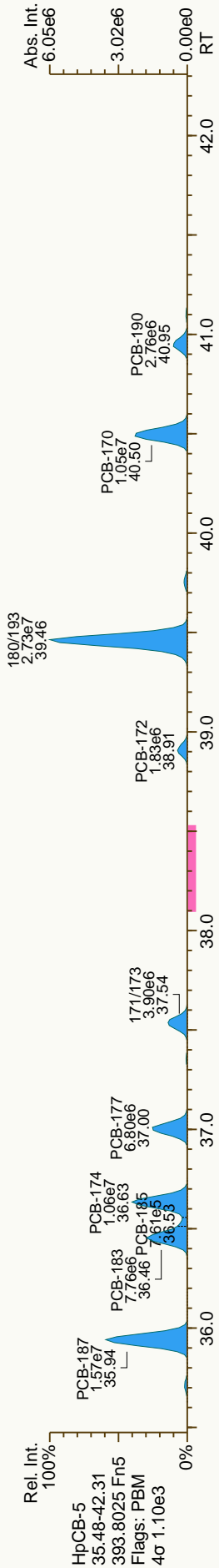


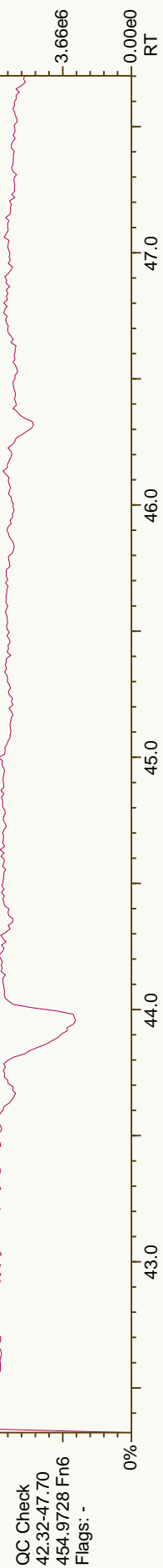
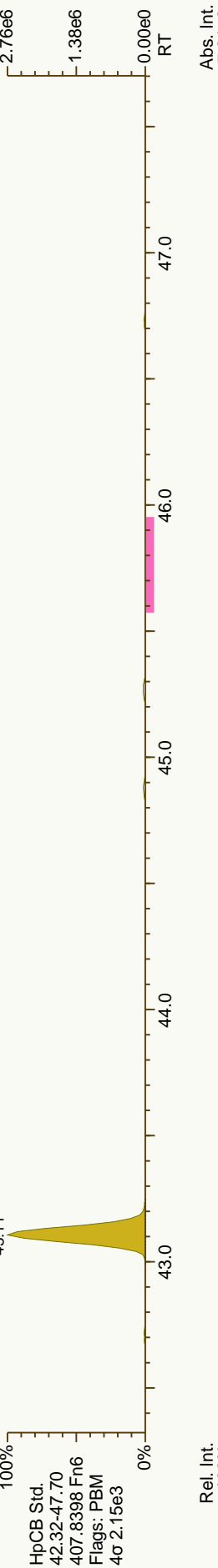
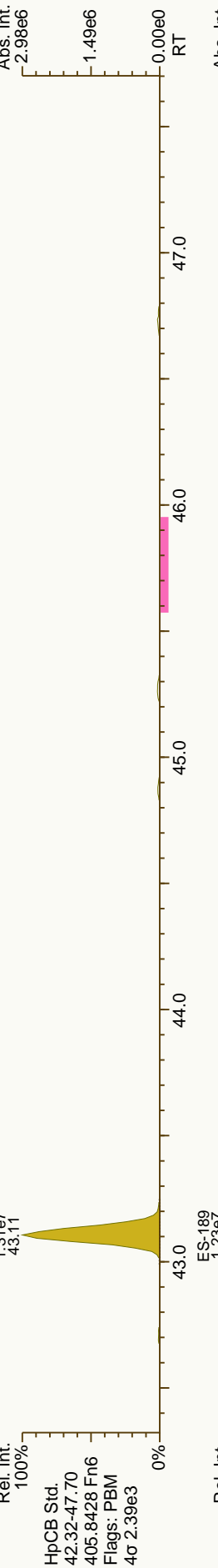
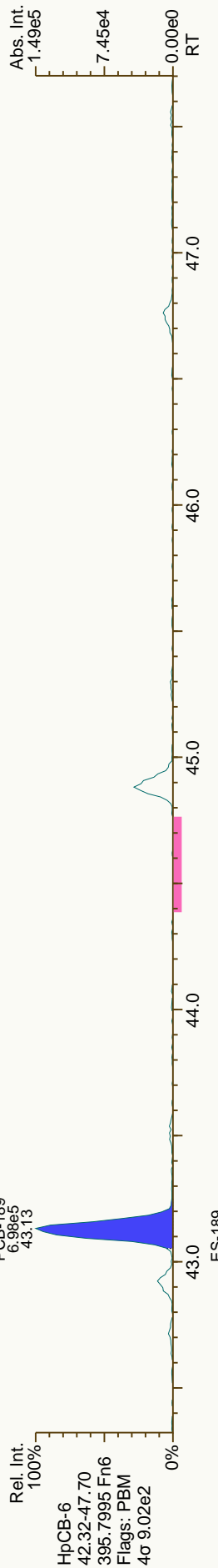


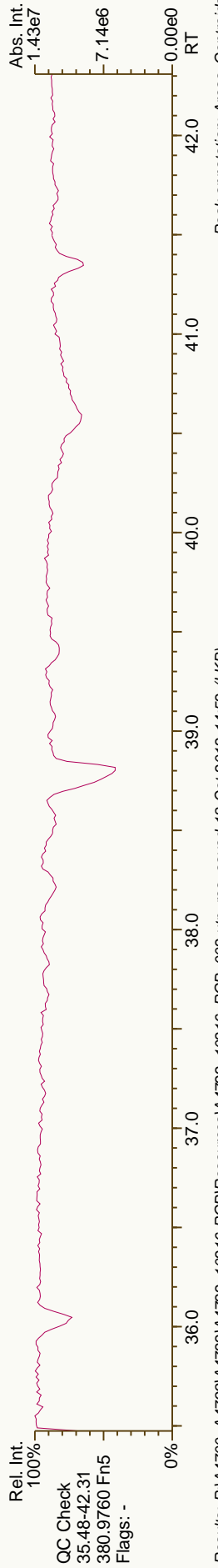
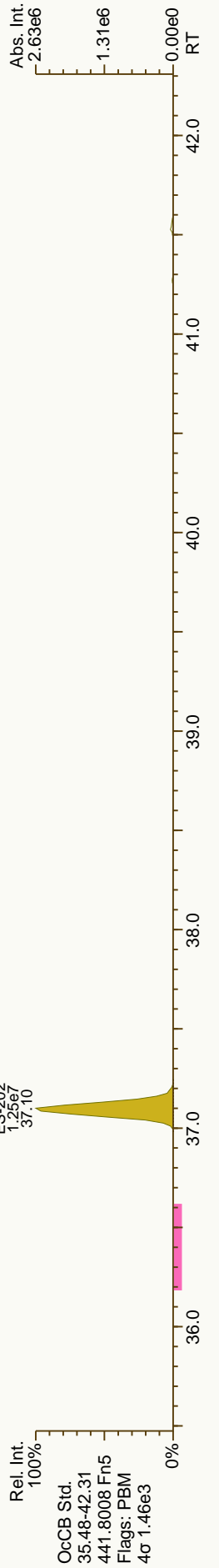
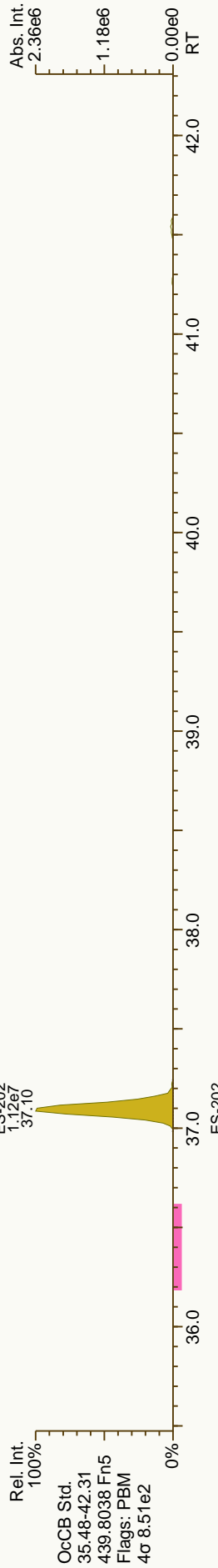
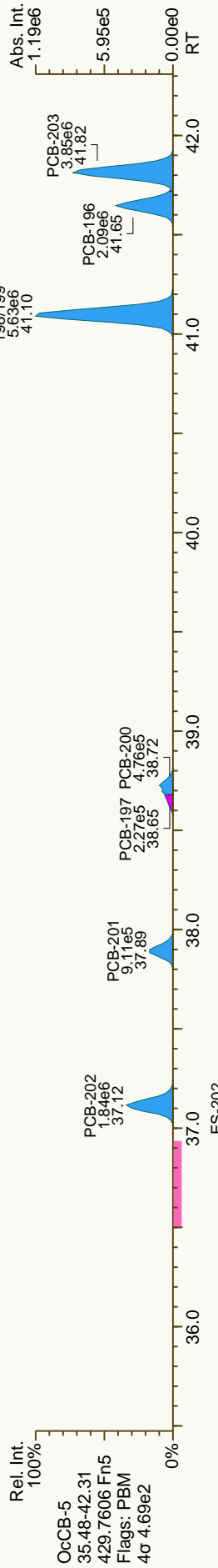
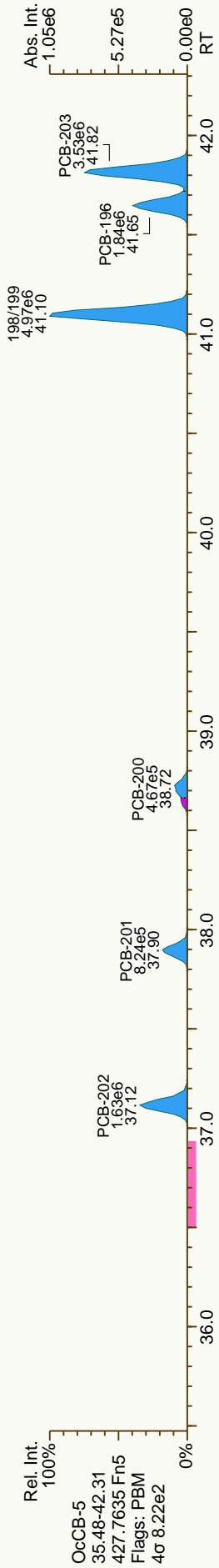


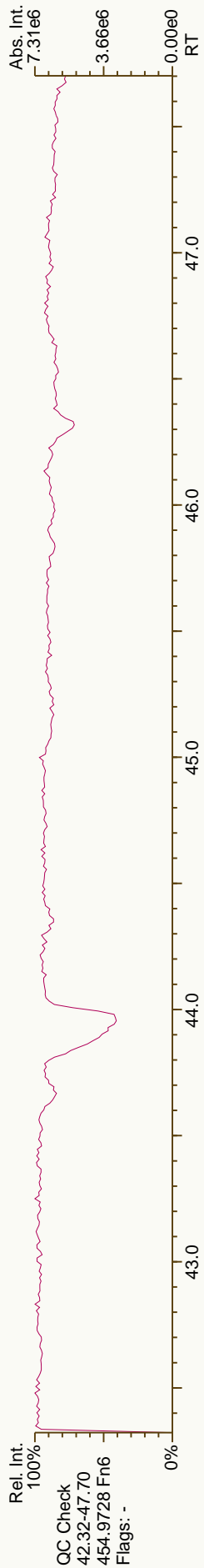
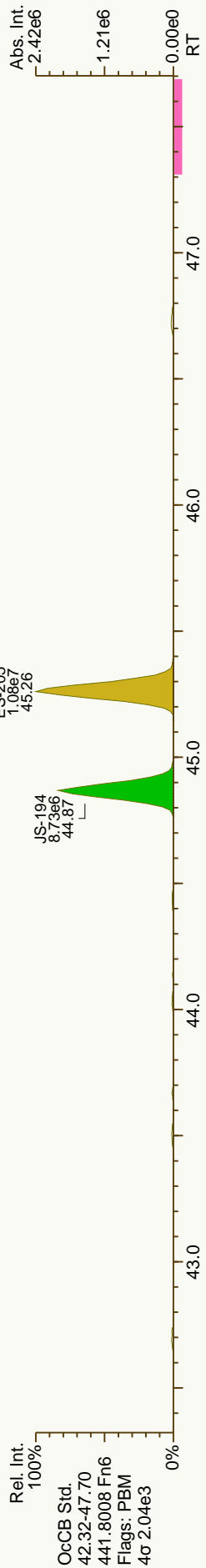
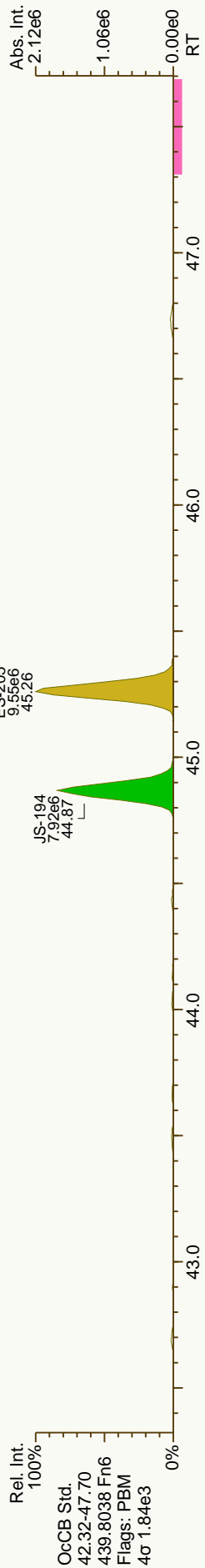
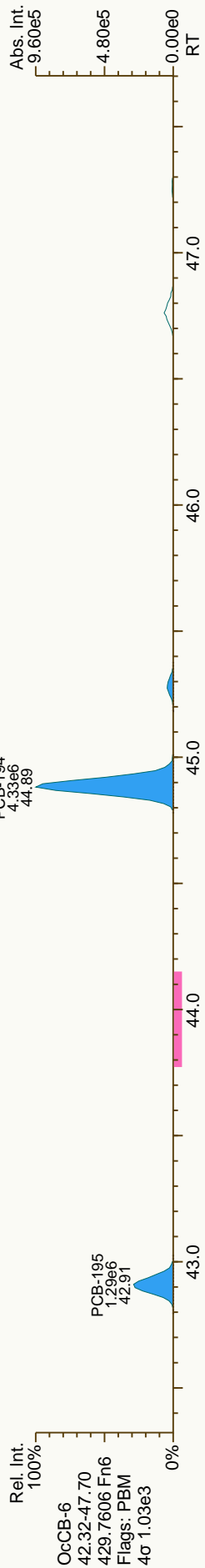
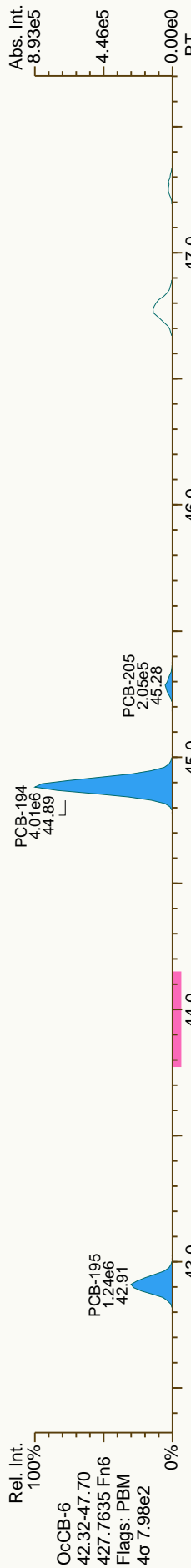


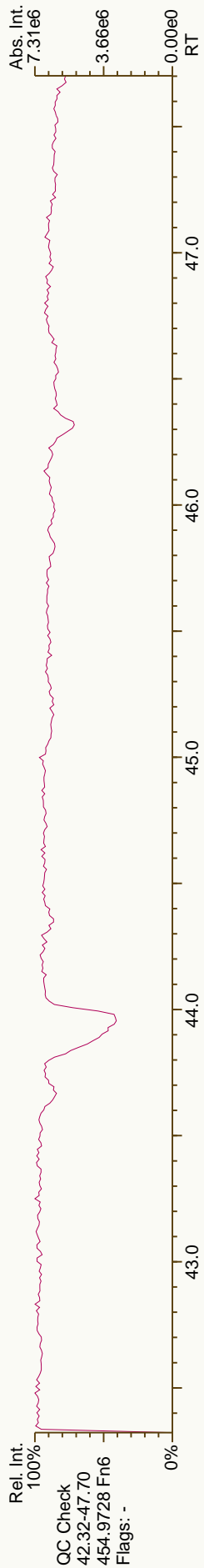
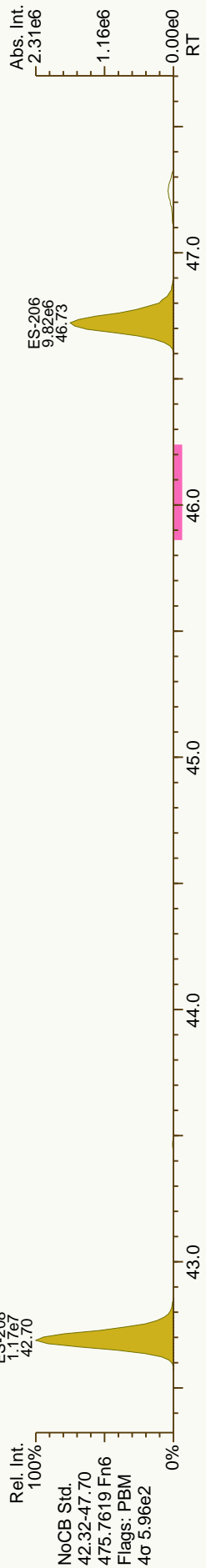
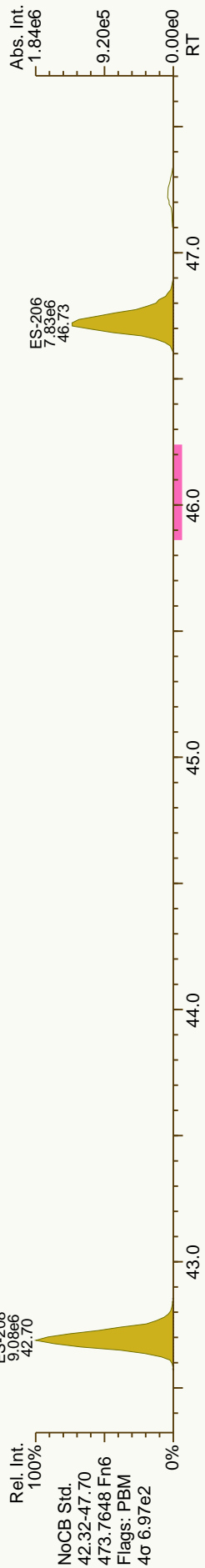
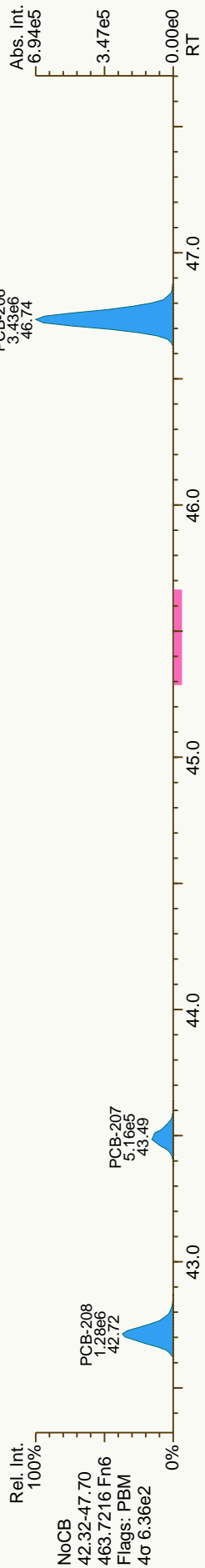
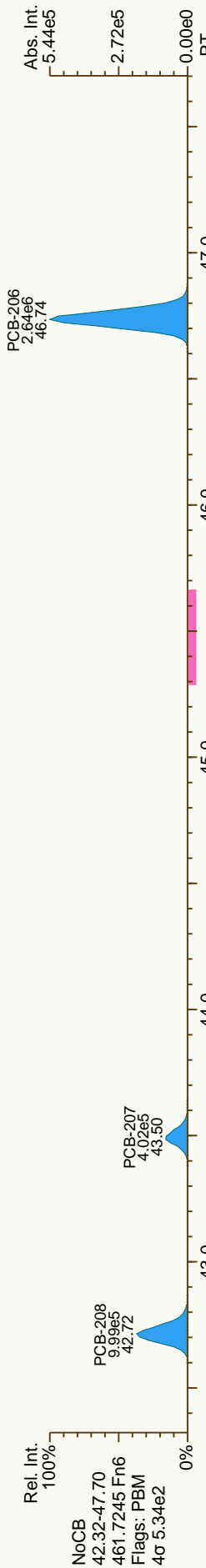


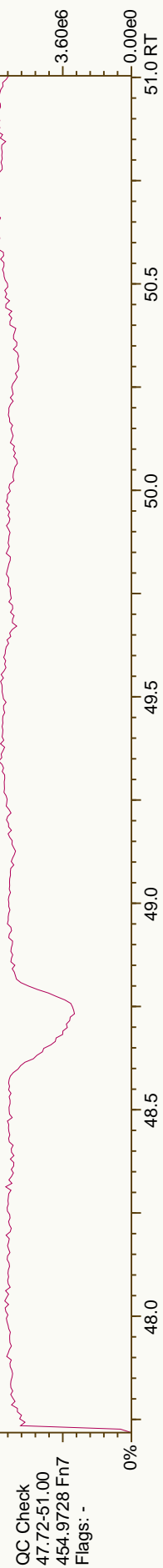
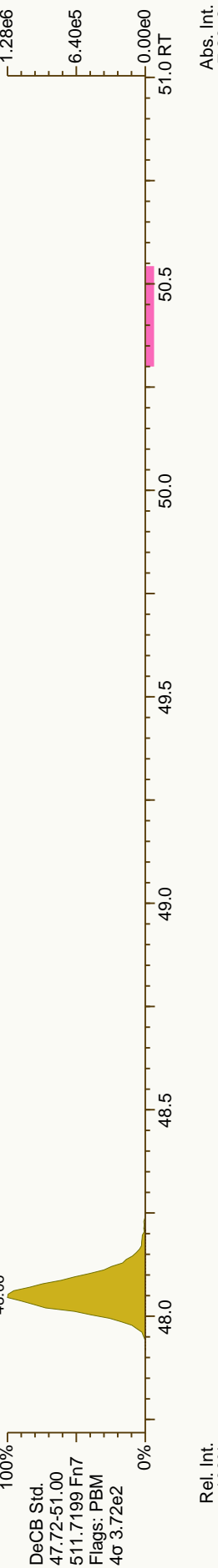
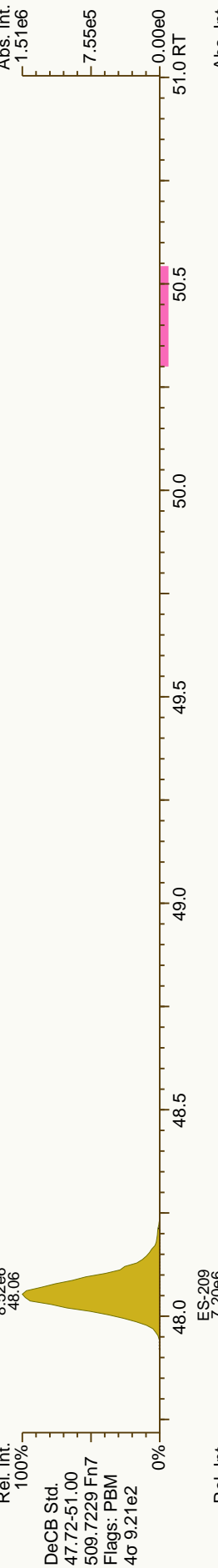
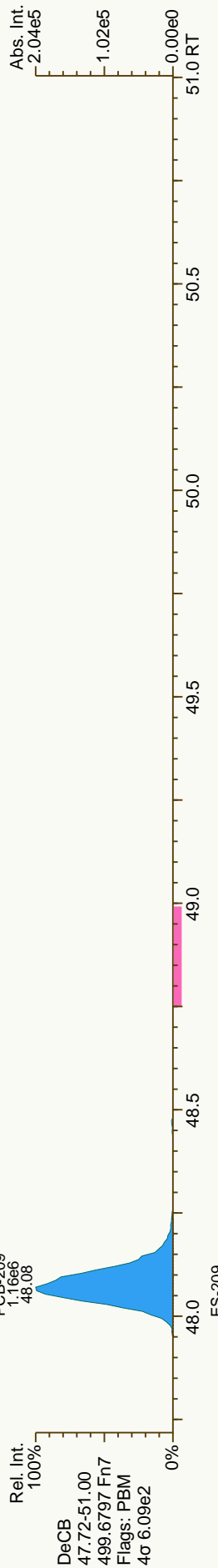
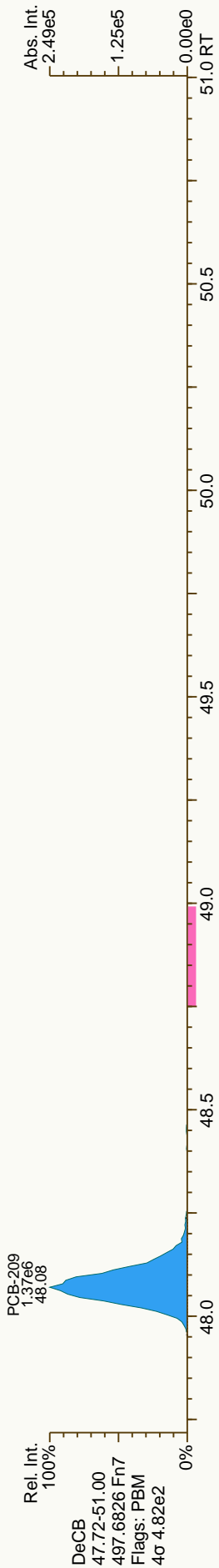












Results of JW-EA09-SS35-120507

Client Sample ID: **JW-EA09-SS35-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249010-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 13:36
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 48.90

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
2,3,7,8-TCDD	0.376		J	0.0696	0.499	pg/g	27.56	0.70
1,2,3,7,8-PeCDD	0.776		J	0.148	2.49	pg/g	33.84	1.70
1,2,3,4,7,8-HxCDD	1.12		J	0.180	2.49	pg/g	38.49	1.23
1,2,3,6,7,8-HxCDD	6.83			0.200	2.49	pg/g	38.62	1.24
1,2,3,7,8,9-HxCDD	3.30			0.191	2.49	pg/g	38.96	1.26
1,2,3,4,6,7,8-HpCDD	67.1			0.388	2.49	pg/g	42.65	1.03
OCDD	467			0.201	4.99	pg/g	46.41	0.90
2,3,7,8-TCDF	2.20			0.0784	0.499	pg/g	26.56	0.78
2,3,7,8-TCDF [confirm]	2.08			0.117	2.05	pg/g	20.99	0.83
1,2,3,7,8-PeCDF	0.575		J	0.0932	2.49	pg/g	32.10	1.52
2,3,4,7,8-PeCDF	1.19		J	0.0823	2.49	pg/g	33.44	1.39
1,2,3,4,7,8-HxCDF	0.944		J	0.0953	2.49	pg/g	37.33	1.36
1,2,3,6,7,8-HxCDF	0.719		J	0.0811	2.49	pg/g	37.49	1.12
2,3,4,6,7,8-HxCDF	1.02		J	0.0811	2.49	pg/g	38.27	1.18
1,2,3,7,8,9-HxCDF	ND		U	0.117	2.49	pg/g		
1,2,3,4,6,7,8-HpCDF	11.5			0.127	2.49	pg/g	41.38	1.04
1,2,3,4,7,8,9-HpCDF		0.623	J	0.160	2.49	pg/g	43.25	1.28*
OCDF	22.4			0.175	4.99	pg/g	46.64	0.90
Total TCDD	23.3	23.5		0.0696	0.499	pg/g		
Total TCDF	25.8	26.7		0.0784	0.499	pg/g		
Total PeCDD	21.1	21.4		0.148	2.49	pg/g		
Total PeCDF	13.5	14.6		0.0877	2.49	pg/g		
Total HxCDD	72.8			0.190	2.49	pg/g		
Total HxCDF	19.5	19.8		0.0924	2.49	pg/g		
Total HpCDD	165			0.388	2.49	pg/g		
Total HpCDF	32.0	33.1		0.142	2.49	pg/g		

World Health Organization Summary

	<u>Units</u>	<u>ND=0</u>	<u>ND=1/2</u>	<u>ND=DL</u>
WHO-2005 TEQ	pg/g	4.06	4.07	4.07
WHO-2005 TEQ w/EMPC	pg/g	4.07	4.07	4.08

Results of JW-EA09-SS35-120507

Client Sample ID: **JW-EA09-SS35-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249010-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 13:36
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 48.90

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
13C-2378-TCDD	108				25.0-164	%		
13C-12378-PeCDD	97.0				25.0-181	%		
13C-123478-HxCDD	96.0				32.0-141	%		
13C-123678-HxCDD	87.0				28.0-130	%		
13C-1234678-HpCDD	101				23.0-140	%		
13C-OCDD	88.0				17.0-157	%		
13C-2378-TCDF	93.0				24.0-169	%		
13C-12378-PeCDF	92.0				24.0-185	%		
13C-23478-PeCDF	92.0				21.0-178	%		
13C-123478-HxCDF	99.0				26.0-152	%		
13C-123678-HxCDF	102				26.0-123	%		
13C-234678-HxCDF	107				29.0-147	%		
13C-123789-HxCDF	101				28.0-136	%		
13C-1234678-HpCDF	93.0				28.0-143	%		
13C-1234789-HpCDF	100				26.0-138	%		
37Cl-2378-TCDD	118				35.0-197	%		

Batch Information

Analytical Batch: **HRD1902**
 Analytical Method: **EPA 1613B**
 Instrument: **APHRMS**
 Analyst: **MDC**
 Analytical Date/Time: **10/19/2012 18:05**

Prep Batch: **HXX1802**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/10/2012 09:35**
 Prep Initial Wt./Vol.: **20.48 g**
 Prep Extract Vol: **20 uL**

Analytical Batch: **HRD1912**
 Analytical Method: **EPA 1613B**
 Instrument: **HRMS3**
 Analyst: **JHL**
 Analytical Date/Time: **10/31/2012 21:16**

Prep Batch: **HXX1802**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/10/2012 09:35**
 Prep Initial Wt./Vol.: **20.48 g**
 Prep Extract Vol: **20 uL**

Lab ID: A4722_10216_DF_001

Client ID: JW-EA09-SS35-120507

Datafile: 121019P1-05

Acq'd: 19 Oct 2012 18:05 MDC

UTP: 20-Oct-2012 12:50 MDC

Report: 21 Oct 2012 10:22 MC

Wt/Vol: 10.02 g

J-level: 0.499 pg/g Split: 1

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

ICAL: 1613_SGS

Checksum: 825-486-FWS



Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.56		1.0009	1.0010	+0.2	5.98E+04	0.70	Y	1.08	0.376	960	0.0697
2378-PeCDD	33.84		1.0006	1.0005	-0.2	9.15E+04	1.70	Y	1.07	0.776	1672	0.148
23478-HxCDD	38.49		1.0004	1.0005	+0.2	1.01E+05	1.23	Y	1.05	1.12	1658	0.18
123678-HxCDD	38.62		1.0039	1.0040	+0.2	5.89E+05	1.24	Y	0.98	6.84	1658	0.2
123789-HxCDD	38.96		1.0129	1.0128	-0.2	2.89E+05	1.26	Y	1.01	3.3	1658	0.191
1234678-HpCDD	42.65		1.0005	1.0004	-0.3	5.57E+06	1.03	Y	1.09	67.1	3193	0.388
OCDD	46.41		1.0005	1.0004	-0.3	2.71E+07	0.90	Y	1.11	467	980	0.202
2378-TCDF	26.56		1.0009	1.0009	0	4.51E+05	0.78	Y	0.98	2.2	1288	0.0785
12378-PeCDF	32.10		1.0007	1.0004	-0.6	1.02E+05	1.52	Y	0.99	0.576	1481	0.0932
23478-PeCDF	33.44		1.0006	1.0009	+0.6	2.16E+05	1.39	Y	1.02	1.19	1481	0.0823
123478-HxCDF	37.33		1.0006	1.0005	-0.2	1.34E+05	1.36	Y	1.19	0.944	1340	0.0953
123678-HxCDF	37.49		1.0005	1.0006	+0.2	1.14E+05	1.12	Y	1.16	0.719	1340	0.0812
234678-HxCDF	38.27		1.0006	1.0003	-0.7	1.62E+05	1.18	Y	1.18	1.02	1340	0.0811
123789-HxCDF	Not Fnd		1.0005	-	-	-	-	-	1.09	-	1340	0.117
1234678-HpCDF	41.38		1.0004	1.0003	-0.2	1.46E+06	1.04	Y	1.35	11.6	1581	0.127
1234789-HpCDF	43.25		1.0004	1.0002	-0.5	6.46E+04	1.28	N	1.34	0.624	1581	0.16
OCDF	46.64		1.0057	1.0056	-0.3	1.64E+06	0.90	Y	1.40	22.4	1072	0.175
OCDF	46.64		1.0057	1.0056	-0.3	1.64E+06	0.90	Y	1.40	22.4	1072	0.175
2378-TCDD	27.53		1.0281	1.0277	-0.6	2.93E+07	0.80	Y	1.04	108		
ES 12378-PeCDD	33.82		1.2639	1.2627	-1.9	2.19E+07	1.62	Y	0.87	97		
ES 123478-HxCDD	38.47		0.9876	0.9877	+0.2	1.72E+07	1.28	Y	0.94	96.5		
ES 123678-HxCDD	38.61		0.9910	0.9911	+0.2	1.75E+07	1.26	Y	1.06	87.1		
ES 1234678-HpCDD	42.64		1.0943	1.0946	+0.7	1.52E+07	1.07	Y	0.80	101		
ES OCDD	46.39		1.1907	1.1909	+0.5	2.09E+07	0.88	Y	0.63	87.8		
ES 2378-TCDF	26.54		0.9907	0.9906	-0.2	4.19E+07	0.80	Y	1.74	92.6		
ES 12378-PeCDF	32.09		1.1992	1.1980	-1.9	3.56E+07	1.59	Y	1.49	91.6		
ES 23478-PeCDF	33.41		1.2484	1.2472	-1.9	3.55E+07	1.58	Y	1.48	92		
ES 123478-HxCDF	37.31		0.9577	0.9578	+0.2	2.38E+07	0.53	Y	1.27	98.9		
ES 123678-HxCDF	37.47		0.9619	0.9620	+0.2	2.73E+07	0.52	Y	1.41	102		
ES 234678-HpCDF	38.25		0.9821	0.9821	0	2.71E+07	0.52	Y	1.34	107		
ES 123789-HxCDF	39.37		1.0108	1.0108	0	2.29E+07	0.52	Y	1.20	101		
ES 1234678-HpCDF	41.36		1.0618	1.0620	+0.5	1.86E+07	0.43	Y	1.06	92.9		
ES 1234789-HpCDF	43.24		1.1100	1.1102	+0.5	1.55E+07	0.44	Y	0.82	99.6		

Lab ID: A4722_10216_DF_001 Acq'd: 19 Oct 2012 18:05 MDC Wt/Vol: 10.02 g ICAL: 1613_SGS
 Client ID: JW-EA09-SS35-120507 UTP: 20-Oct-2012 12:50 MDC J-level: 0.499 pg/g Split: 1 Checkcode: 825-486-FWS
 Datafile: 121019P1-05 Report: 21 Oct 2012 10:22 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C)

Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	TCDD	23.44		0.8504	0.8515	+1.8	1.21E+06	0.82	Y	1.08	7.61	960	0.0697
2	TCDD	23.84		0.8649	0.8661	+2.0	9.72E+05	0.77	Y	1.08	6.11	960	0.0697
3	TCDD	24.32		0.8835	0.8834	-0.2	5.13E+04	0.70	Y	1.08	0.322	960	0.0697
4	TCDD	25.19		0.9152	0.9152	0	5.22E+05	0.78	Y	1.08	3.28	960	0.0697
	TCDD	25.46		0.9241	0.9248	+1.2	1.20E+05	0.85	Y	1.08	0.754	960	0.0697
	TCDD	25.68		0.9327	0.9328	+0.2	1.93E+05	0.79	Y	1.08	1.21	960	0.0697
	TCDD	25.89		0.9408	0.9405	-0.5	4.35E+04	0.72	Y	1.08	0.274	960	0.0697
	TCDD	26.18		0.9512	0.9510	-0.3	1.40E+04	0.67	Y	1.08	0.0883	960	0.0697
	TCDD	26.38		0.9580	0.9582	+0.3	5.27E+04	0.75	Y	1.08	0.332	960	0.0697
	TCDD	26.81		0.9736	0.9738	+0.3	2.30E+05	0.74	Y	1.08	1.45	960	0.0697
	TCDD	Not Fnd		0.9785						1.08		960	0.0697
	TCDD	27.25		0.9884	0.9897	+2.1	2.45E+05	0.87	Y	1.08	1.54	960	0.0697
	TCDD	Not Fnd		0.9945						1.08		960	0.0697
	2378-TCDD	27.56		1.0009	1.0010	+0.2	5.98E+04	0.70	Y	1.08	0.376	960	0.0697
	TCDD	27.94		1.0147	1.0149	+0.3	3.06E+04	0.65	N	1.08	0.192	960	0.0697
	TCDD	Not Fnd		1.0206						1.08		960	0.0697
	TCDD	Not Fnd		1.0423						1.08		960	0.0697
	PeCDD	30.89		0.9131	0.9132	+0.2	5.79E+05	1.54	Y	1.07	4.91	1672	0.148
	PeCDD	31.51		0.9319	0.9316	-0.6	8.04E+04	1.62	Y	1.07	0.683	1672	0.148
	PeCDD	32.17		0.9511	0.9510	-0.2	6.27E+05	1.66	Y	1.07	5.32	1672	0.148
	PeCDD	32.39		0.9576	0.9575	-0.2	1.11E+05	1.60	Y	1.07	0.946	1672	0.148
	PeCDD	32.51		0.9611	0.9611	0	6.09E+05	1.48	Y	1.07	5.17	1672	0.148
	PeCDD	32.82		0.9703	0.9702	-0.2	1.20E+05	1.68	Y	1.07	1.02	1672	0.148
	PeCDD	33.25		0.9829	0.9831	+0.4	1.81E+05	1.47	Y	1.07	1.54	1672	0.148
	12378-PeCDD	33.84		1.0006	1.0005	-0.2	9.15E+04	1.70	Y	1.07	0.776	1672	0.148
	PeCDD	33.99		1.0039	1.0049	+2.0	9.22E+04	1.62	Y	1.07	0.782	1672	0.148
	PeCDD	34.37		1.0161	1.0163	+0.4	3.27E+04	1.29	N	1.07	0.277	1672	0.148
	HxCDD	36.46		0.9479	0.9478	-0.2	1.30E+06	1.24	Y	1.01	14.8	1658	0.19
	HxCDD	37.24		0.9682	0.9680	-0.5	1.24E+06	1.25	Y	1.01	14.1	1658	0.19
	HxCDD	37.59		0.9771	0.9771	0	2.25E+06	1.29	Y	1.01	25.6	1658	0.19
	HxCDD	37.75		0.9811	0.9812	+0.2	5.53E+05	1.21	Y	1.01	6.28	1658	0.19
	123478-HxCDD	38.49		1.0004	1.0005	+0.2	1.01E+05	1.23	Y	1.05	1.12	1658	0.18
	123678-HxCDD	38.62		1.0039	1.0040	+0.2	5.89E+05	1.24	Y	0.98	6.84	1658	0.2
	HxCDD	38.84		1.0097	1.0095	-0.5	7.31E+04	1.38	Y	1.01	0.831	1658	0.19
	123789-HxCDD	38.96		1.0129	1.0128	-0.2	2.89E+05	1.26	Y	1.01	3.3	1658	0.191

Lab ID: A4722_10216_DF_001 Acq'd: 19 Oct 2012 18:05 MDC Wt/Vol: 10.02 g ICAL: 1613_SGS
 Client ID: JW-EA09-SS35-120507 UTP: 20-Oct-2012 12:50 MDC J-level: 0.499 pg/g Split: 1 Checkcode: 825-486-FWS
 Datafile: 121019P1-05 Report: 21 Oct 2012 10:22 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	HP-CDD	41.75		0.9793	0.9791	-0.5	8.15E+06	1.03	Y	1.09	98.2	3193	0.388
2	234678-HP-CDD	42.65		1.0005	1.0004	-0.3	5.57E+06	1.03	Y	1.09	67.1	3193	0.388
3	OCDD	46.41		1.0005	1.0004	-0.3	2.71E+07	0.90	Y	1.11	467	980	0.202
4	OCDD-a	46.40		1.0001	1.0002	+0.3	1.56E+06	2.57	Y	1.00	29.7	892	0.203
5	TCDF	21.23		0.7983	0.8001	+2.9	2.27E+05	0.75	Y	0.98	1.11	1288	0.0785
6	TCDF	21.79		0.8218	0.8213	-0.8	1.60E+05	0.75	Y	0.98	0.78	1288	0.0785
7	TCDF	22.45		0.8463	0.8461	-0.3	4.81E+05	0.82	Y	0.98	2.35	1288	0.0785
8	TCDF	22.86		0.8625	0.8615	-1.6	1.28E+05	0.69	Y	0.98	0.622	1288	0.0785
9	TCDF	23.02		0.8677	0.8674	-0.5	5.96E+05	0.77	Y	0.98	2.91	1288	0.0785
10	TCDF	23.31		0.8787	0.8784	-0.5	1.19E+05	0.69	Y	0.98	0.579	1288	0.0785
11	TCDF	23.44		0.8840	0.8832	-1.3	3.25E+05	0.73	Y	0.98	1.59	1288	0.0785
12	TCDF	23.87		0.8998	0.8995	-0.5	2.44E+05	0.74	Y	0.98	1.19	1288	0.0785
13	TCDF	24.01		0.9054	0.9049	-0.8	1.48E+05	0.72	Y	0.98	0.721	1288	0.0785
14	TCDF	24.20		0.9125	0.9122	-0.5	1.95E+05	0.85	Y	0.98	0.954	1288	0.0785
15	TCDF	24.62		0.9279	0.9279	0	8.86E+04	0.68	Y	0.98	0.433	1288	0.0785
16	TCDF	24.76		0.9334	0.9331	-0.5	2.19E+05	0.77	Y	0.98	1.07	1288	0.0785
17	TCDF	24.94		0.9381	0.9398	+2.7	3.80E+05	0.78	Y	0.98	1.85	1288	0.0785
18	TCDF	25.05		0.9439	0.9441	+0.3	2.81E+05	0.70	Y	0.98	1.37	1288	0.0785
19	TCDF	25.55		0.9630	0.9630	0	3.92E+05	0.75	Y	0.98	1.92	1288	0.0785
20	TCDF	25.67		0.9674	0.9675	+0.2	2.04E+04	1.24	N	0.98	0.0996	1288	0.0785
21	TCDF	25.86		0.9746	0.9745	-0.2	1.33E+05	0.72	Y	0.98	0.647	1288	0.0785
22	TCDF	26.07		0.9829	0.9824	-0.8	9.29E+04	0.98	N	0.98	0.454	1288	0.0785
23	TCDF	26.31		0.9916	0.9916	0	1.54E+05	0.71	Y	0.98	0.75	1288	0.0785
24	TCDF	26.44		0.9963	0.9964	+0.2	1.25E+05	0.83	Y	0.98	0.612	1288	0.0785
25	2378-TCDF	26.56		1.0009	1.0009	0	4.51E+05	0.78	Y	0.98	2.2	1288	0.0785
26	TCDF	26.98		1.0166	1.0166	0	4.40E+05	0.82	Y	0.98	2.15	1288	0.0785
27	TCDF	NotFnd		1.0274						0.98		1288	0.0785
28	TCDF	NotFnd		1.0390						0.98		1288	0.0785
29	TCDF	28.86		1.0886	1.0877	-1.4	7.39E+04	0.97	N	0.98	0.361	1288	0.0785
30	PeCDF	28.85		0.8975	0.8989	+2.7	9.74E+05	1.58	Y	1.00	5.45	1493	0.0884
31	PeCDF	30.62		0.9542	0.9542	0	2.02E+05	1.56	Y	1.00	1.13	1481	0.0877
32	PeCDF	30.81		0.9587	0.9600	+2.5	4.87E+05	1.39	Y	1.00	2.73	1481	0.0877
33	PeCDF	30.91		0.9636	0.9633	-0.6	6.82E+04	1.37	Y	1.00	0.382	1481	0.0877
34	PeCDF	NotFnd		0.9671						1.00		1481	0.0877
35	PeCDF	31.32		0.9760	0.9759	-0.2	4.24E+04	1.60	Y	1.00	0.237	1481	0.0877
36	PeCDF	31.49		0.9810	0.9812	+0.4	2.08E+04	1.23	N	1.00	0.116	1481	0.0877

Lab ID: A4722_10216_DF_001

Acq'd: 19 Oct 2012 18:05 MDC

Wt/Vol: 10.02 g

ICAL: 1613_SGS

Client ID: JW-EA09-SS35-120507

UTP: 20-Oct-2012 12:50 MDC

J-level: 0.499 pg/g Split: 1

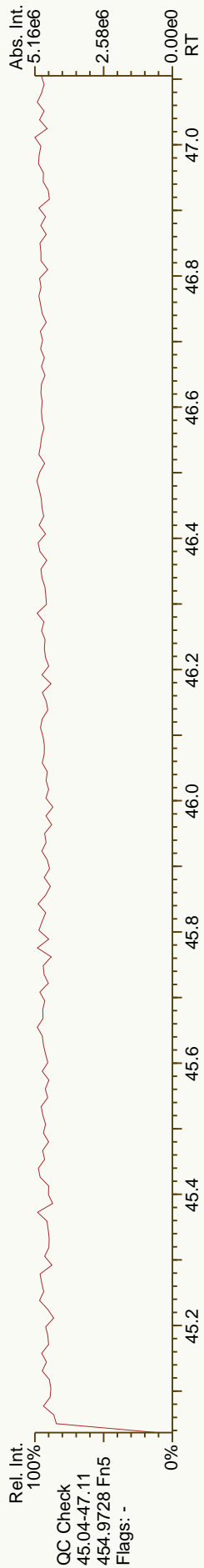
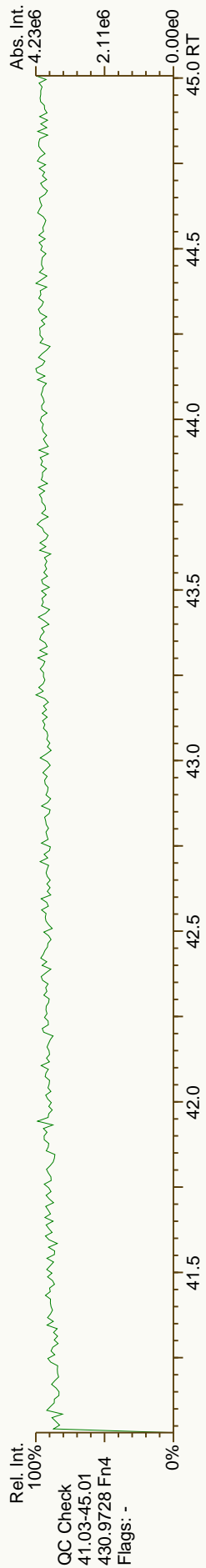
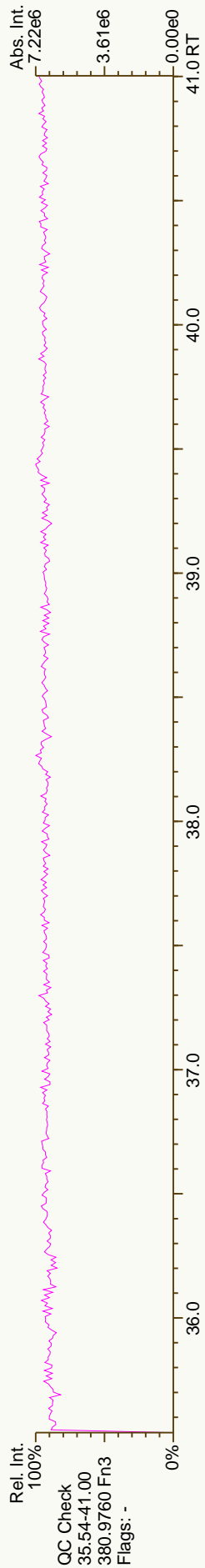
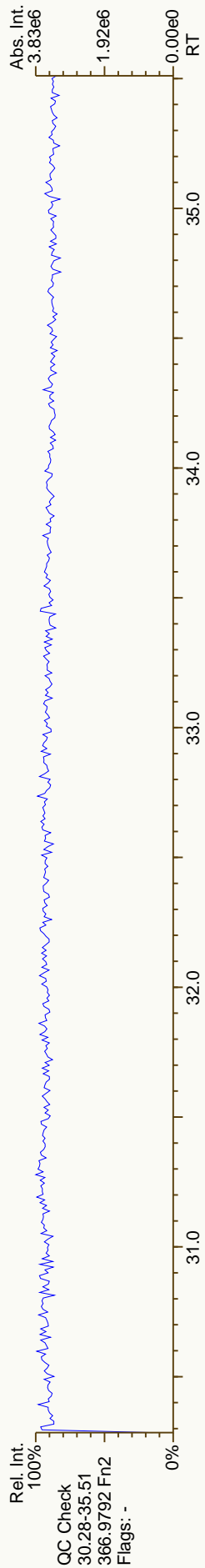
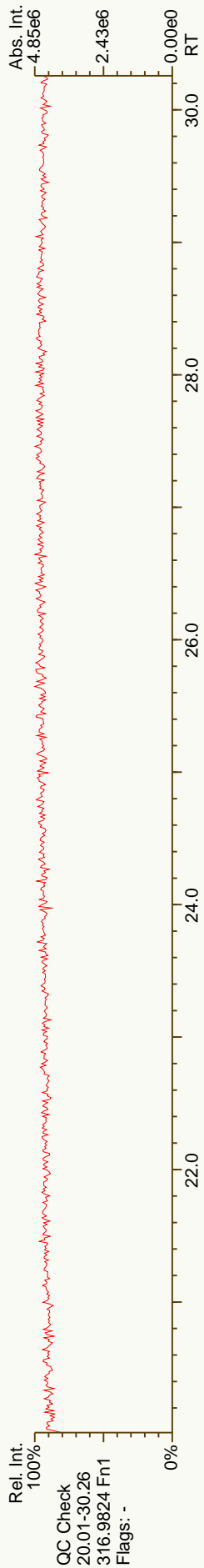
Checksum: 825-486-FWS

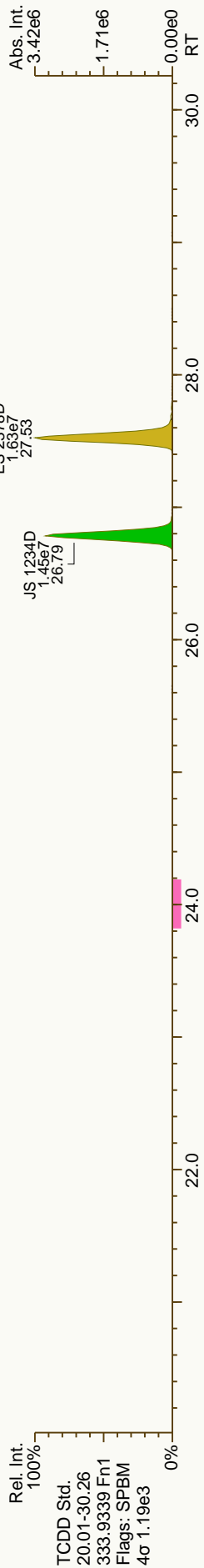
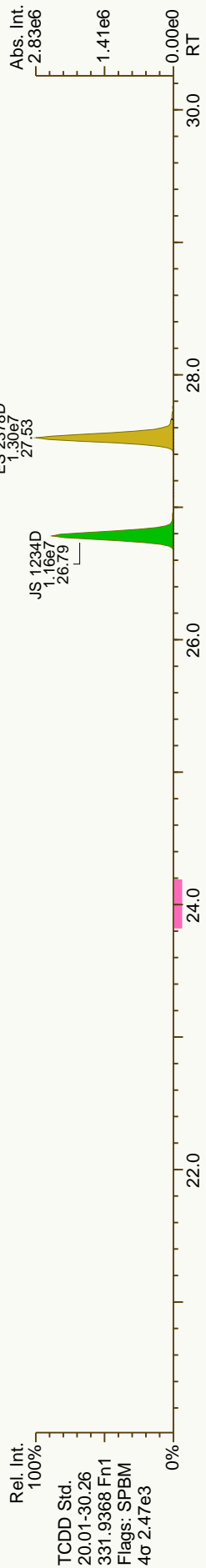
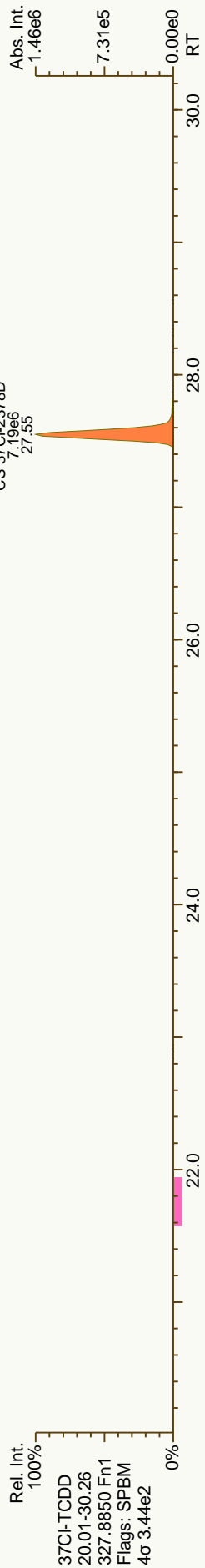
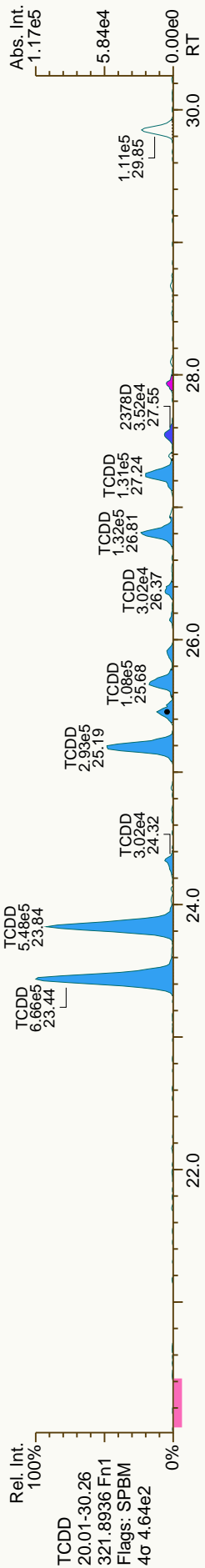
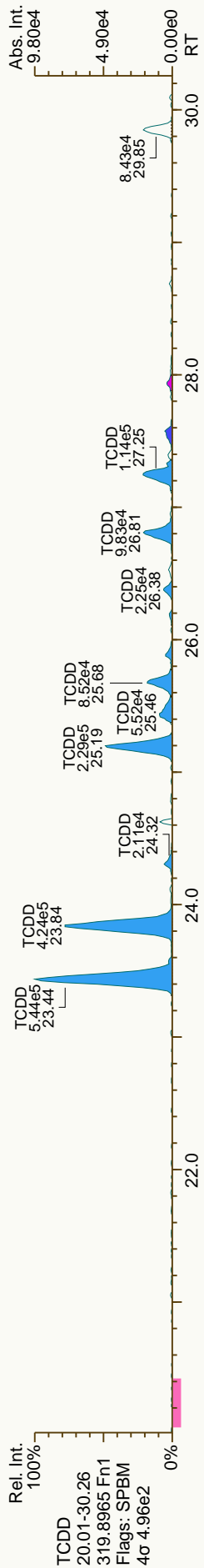
Datafile: 121019P1-05

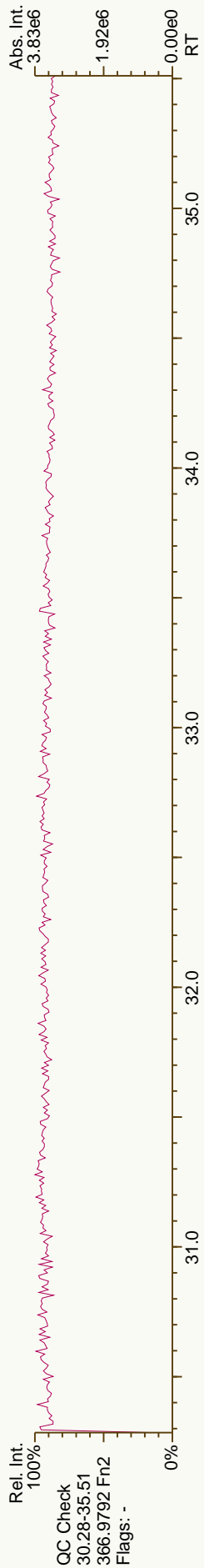
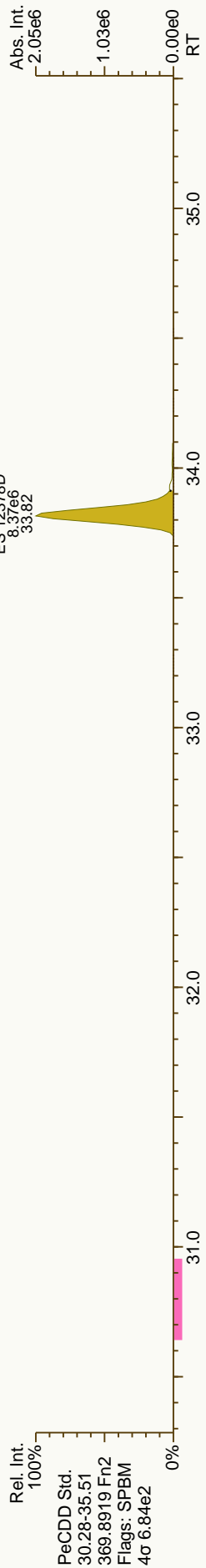
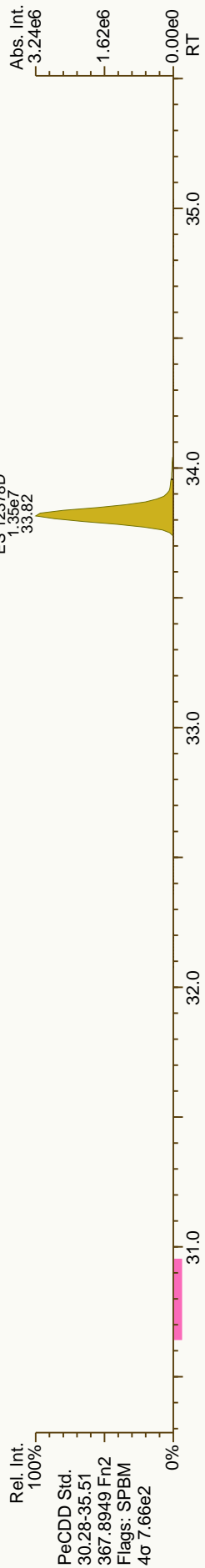
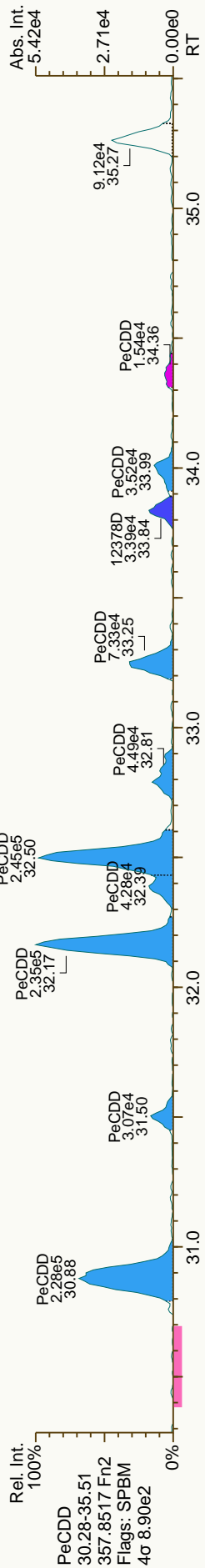
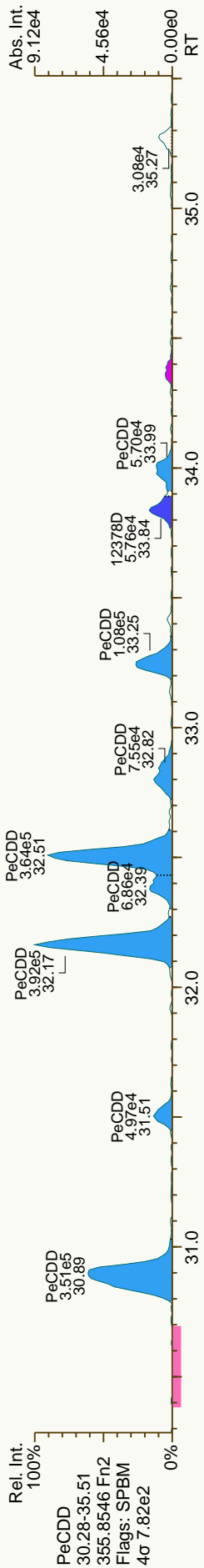
Report: 21 Oct 2012 10:22 MC

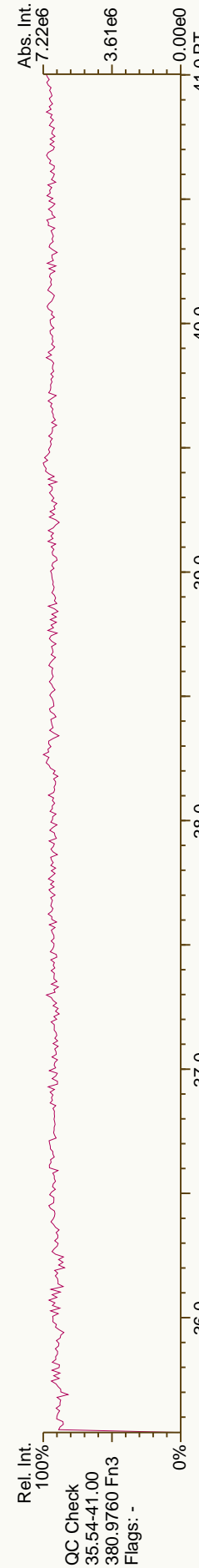
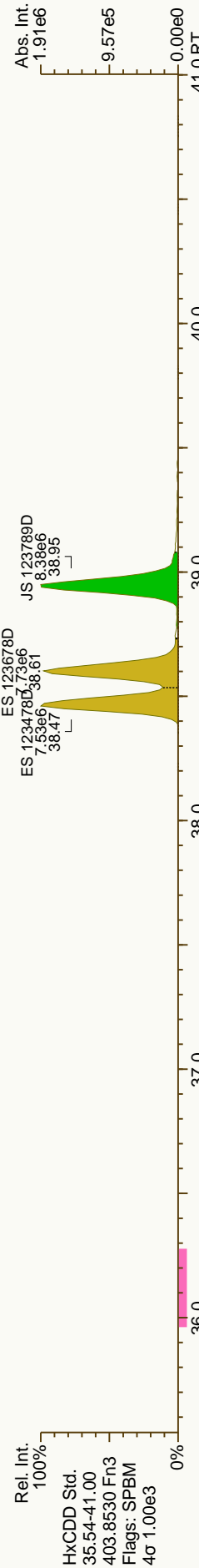
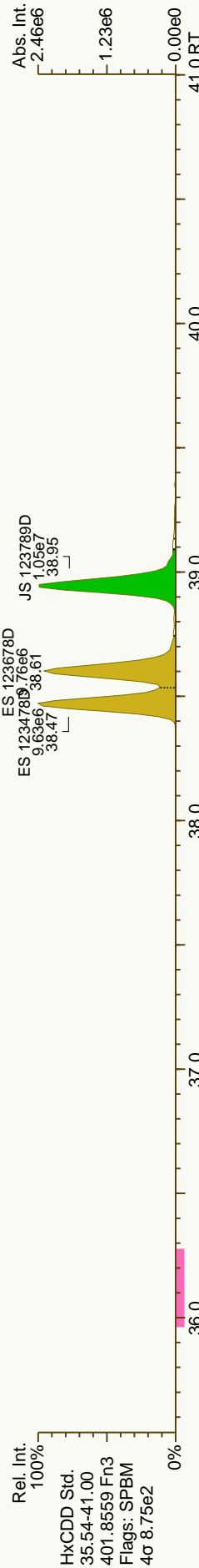
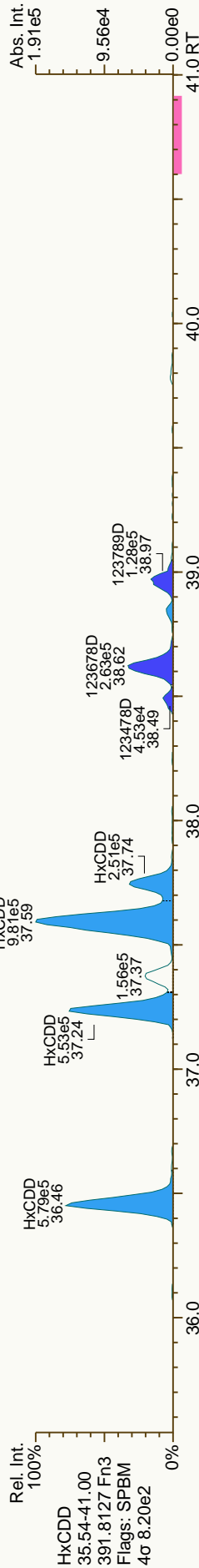
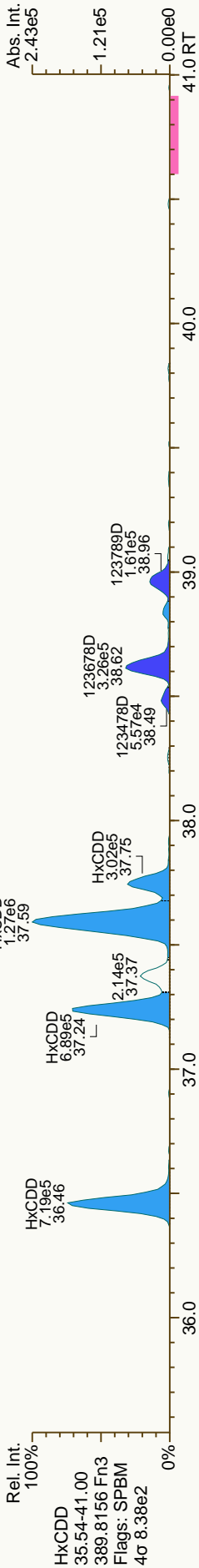
Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C)

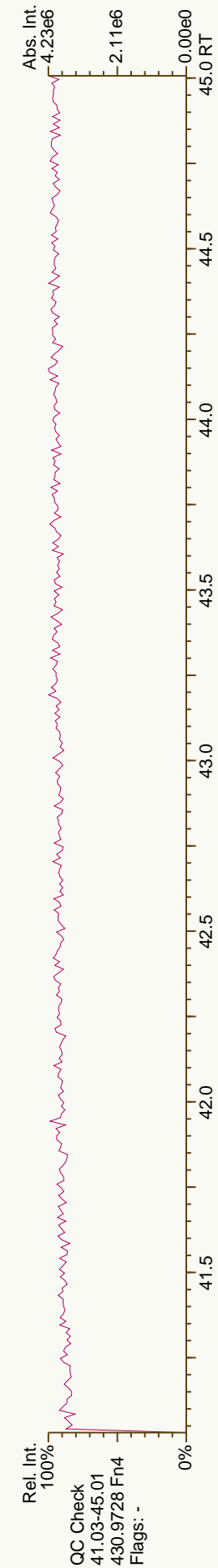
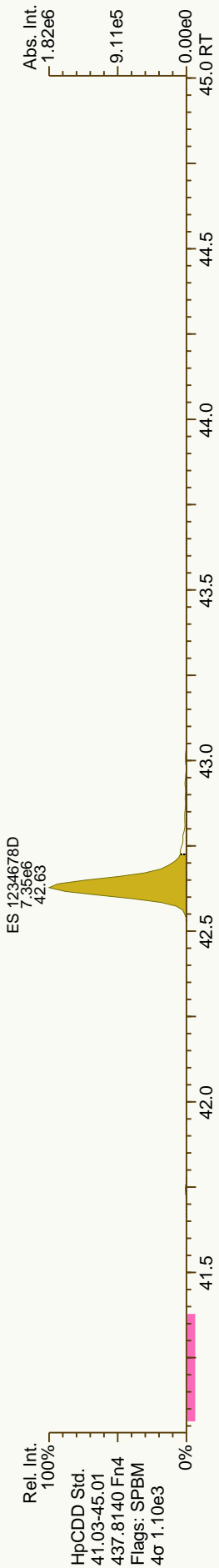
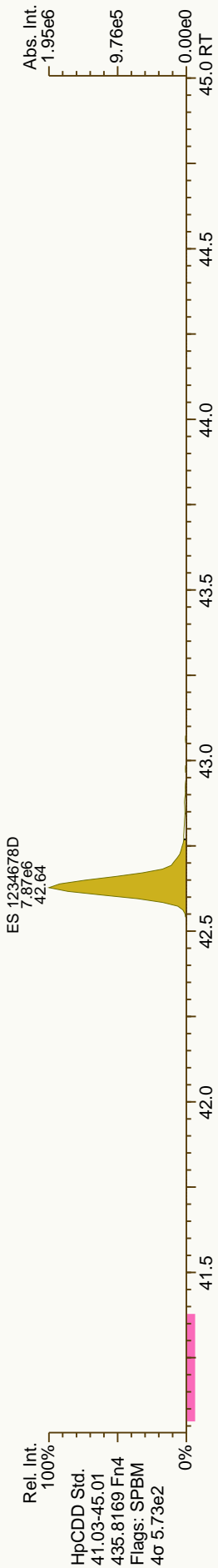
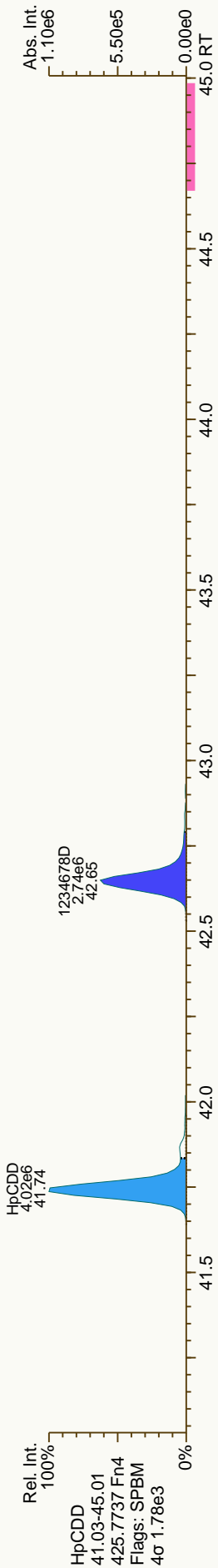
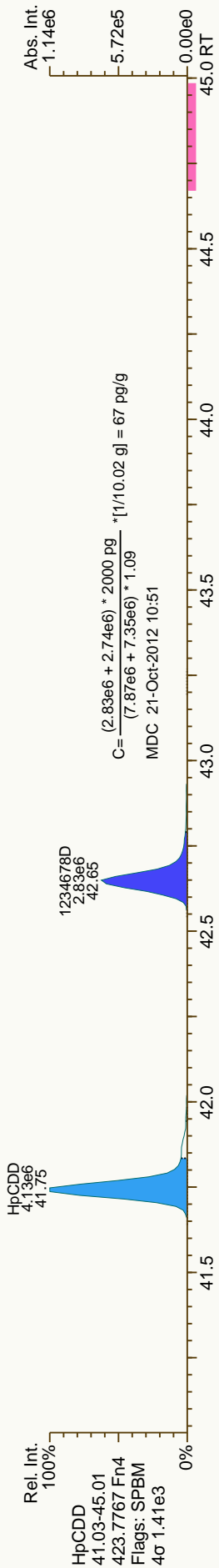
Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	PeCDF	31.59		0.9847	0.9845	-0.4	1.79E+05	1.42	Y	1.00	1	1481	0.0877
2	PeCDF	31.68		0.9870	0.9872	+0.4	2.55E+04	2.33	N	1.00	0.143	1481	0.0877
3	PeCDF	31.87		0.9930	0.9932	+0.4	3.38E+04	1.15	N	1.00	0.189	1481	0.0877
4	12378-PeCDF	32.10		1.0007	1.0004	-0.6	1.02E+05	1.52	Y	0.99	0.576	1481	0.0932
	PeCDF	32.44		1.0113	1.0111	-0.4	1.50E+05	1.47	Y	1.00	0.838	1481	0.0877
	PeCDF	NotFnd		1.0169						1.00		1481	0.0877
	PeCDF	33.12		0.9917	0.9915	-0.4	1.88E+04	1.26	N	1.00	0.105	1481	0.0877
	PeCDF	33.29		0.9962	0.9964	+0.4	9.01E+04	1.24	N	1.00	0.504	1481	0.0877
	23478-PeCDF	33.44		1.0006	1.0009	+0.6	2.16E+05	1.39	Y	1.02	1.19	1481	0.0823
	PeCDF	NotFnd		0.0000						1.02	0	0	0
	PeCDF	NotFnd		1.0023						1.00		1481	0.0877
	PeCDF	NotFnd		1.0120						1.00		1481	0.0877
	PeCDF	NotFnd		1.0389						1.00		1481	0.0877
	HxCDF	35.67		0.9565	0.9562	-0.7	3.35E+05	1.24	Y	1.15	2.3	1340	0.0924
	HxCDF	35.91		0.9627	0.9625	-0.4	9.62E+05	1.23	Y	1.15	6.59	1340	0.0924
	NotFnd	NotFnd		0.9700						1.15		1340	0.0924
	HxCDF	36.42		0.9762	0.9762	0	4.32E+04	1.26	Y	1.15	0.296	1340	0.0924
	HxCDF	36.68		0.9833	0.9833	0	1.07E+06	1.22	Y	1.15	7.34	1340	0.0924
	HxCDF	37.17		0.9968	0.9965	-0.7	4.98E+04	1.33	Y	1.15	0.341	1340	0.0924
	123478-HxCDF	37.33		1.0006	1.0005	-0.2	1.34E+05	1.36	Y	1.19	0.944	1340	0.0953
	123678-HxCDF	37.49		1.0005	1.0006	+0.2	1.14E+05	1.12	Y	1.16	0.719	1340	0.0812
	HxCDF	NotFnd		1.0055						1.15		1340	0.0924
	HxCDF	NotFnd		1.0102						1.15		1340	0.0924
	HxCDF	NotFnd		0.9933						1.15		1340	0.0924
	234678-HxCDF	38.27		1.0006	1.0003	-0.7	1.62E+05	1.18	Y	1.18	1.02	1340	0.0811
	HxCDF	NotFnd		0.0000						1.18	0	0	0
	HxCDF	NotFnd		1.0009						1.15		1340	0.0924
	123789-HxCDF	NotFnd		1.0005						1.09		1340	0.117
	HxCDF	NotFnd		0.0000						1.09	0	0	0
	123489-HxCDF	39.42		1.0013	1.0013	0	4.26E+04	1.50	N	1.15	0.292	1340	0.0924
	1234678-HpCDF	41.38		1.0004	1.0003	-0.2	1.46E+06	1.04	Y	1.35	11.6	1581	0.127
	HpCDF	41.74		1.0091	1.0092	+0.2	4.97E+04	0.78	N	1.34	0.433	1581	0.142
	HpCDF	41.92		1.0140	1.0135	-1.2	2.35E+06	1.04	Y	1.34	20.5	1581	0.142
	1234789-HpCDF	43.25		1.0004	1.0002	-0.5	6.46E+04	1.28	N	1.34	0.624	1581	0.16
	OCDF	46.64		1.0057	1.0056	-0.3	1.64E+06	0.90	Y	1.40	22.4	1072	0.175
	OCDF-a	NotFnd		1.0053						1.00		1312	0.299

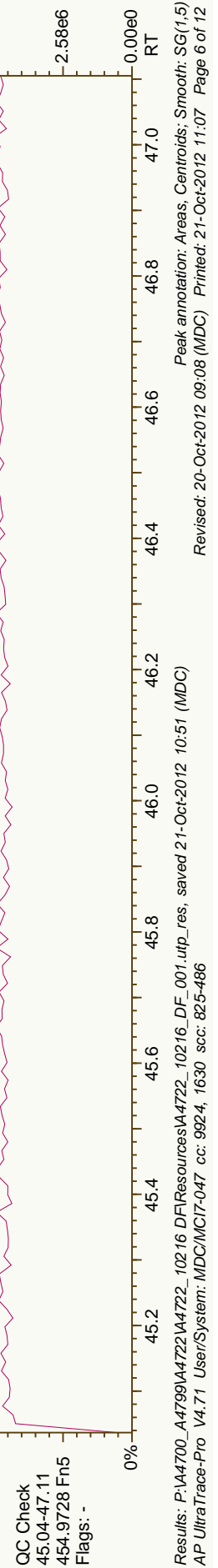
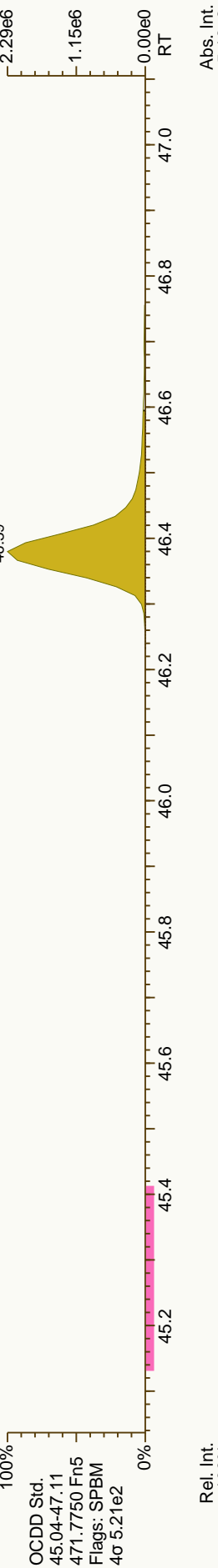
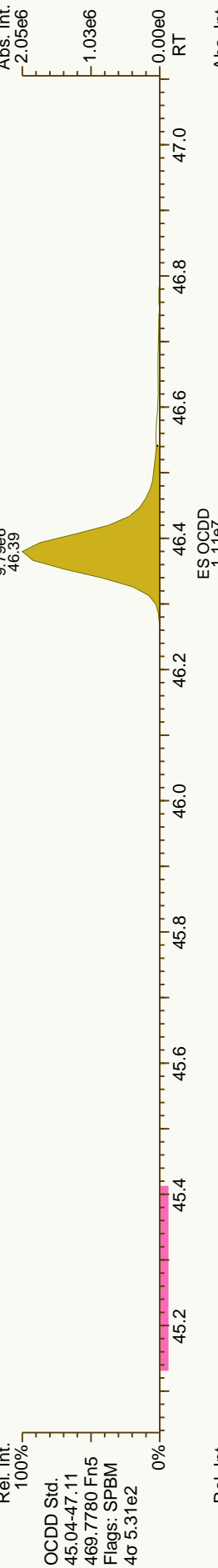
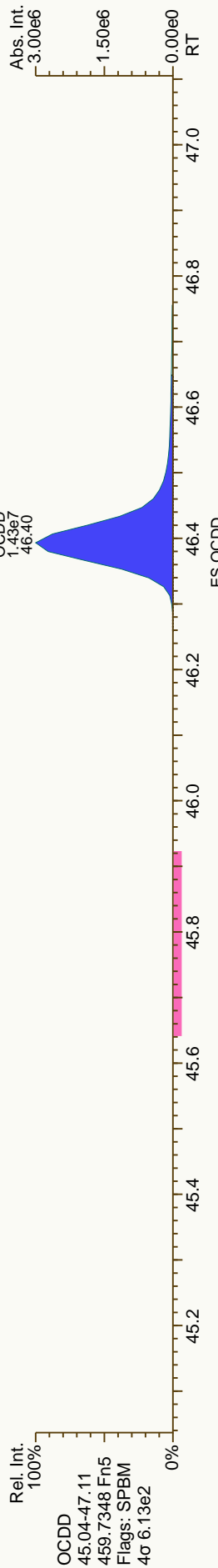
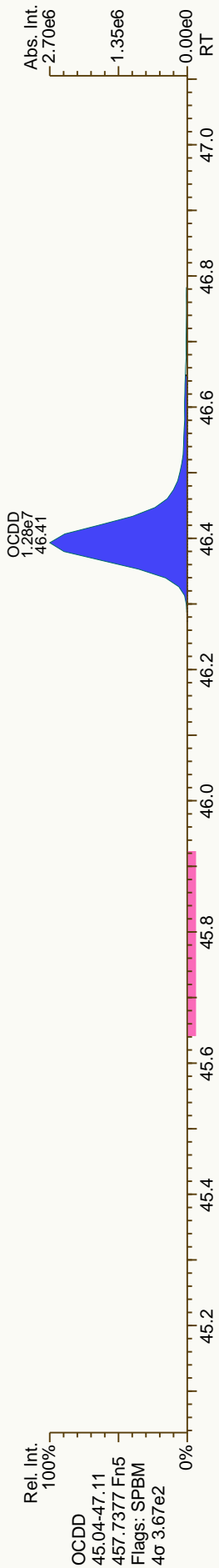


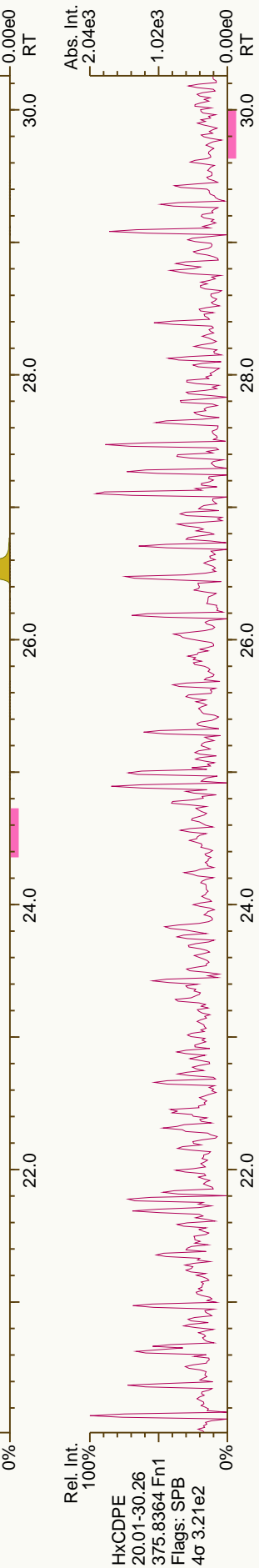
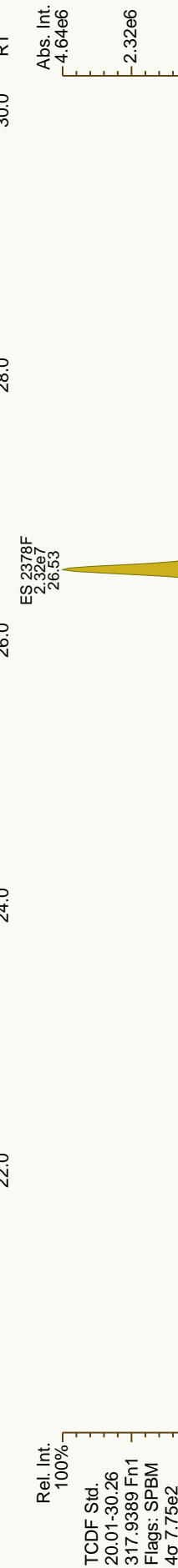
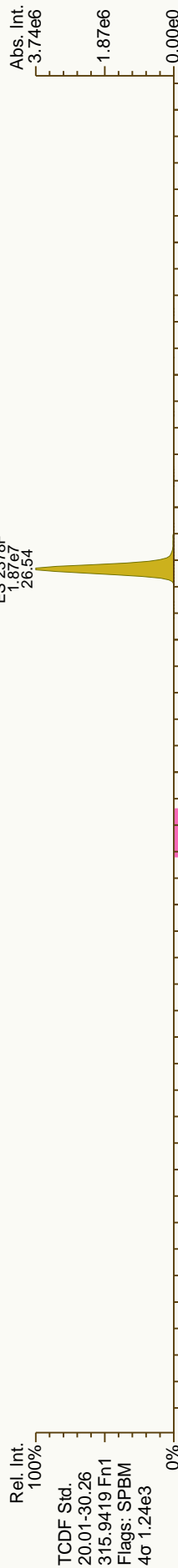
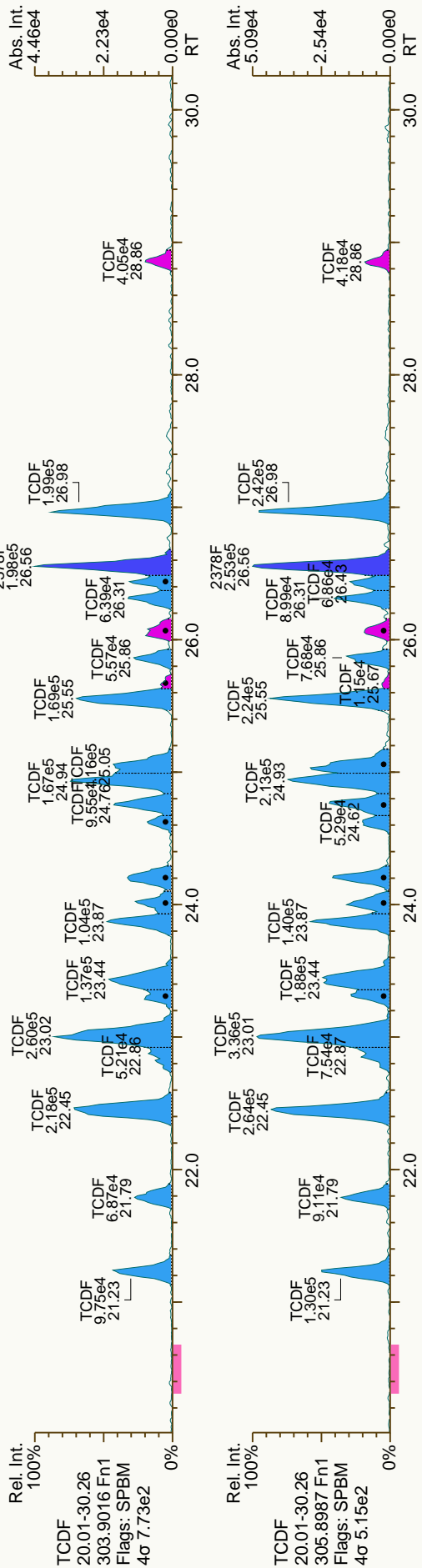


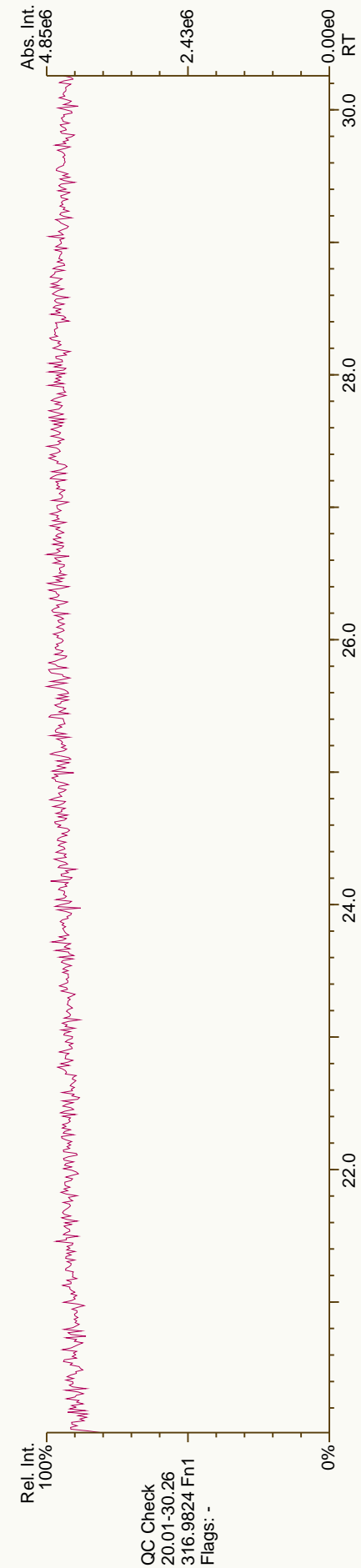
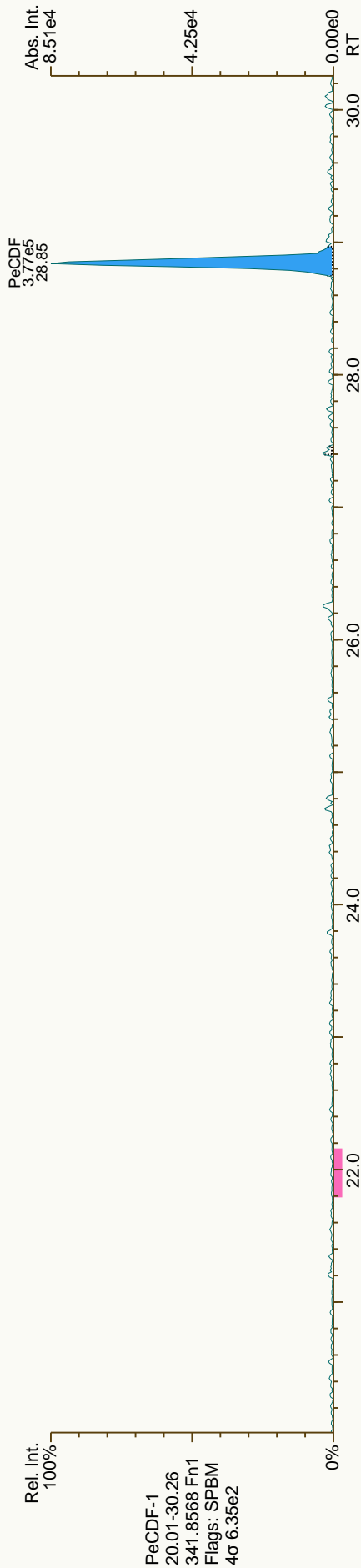
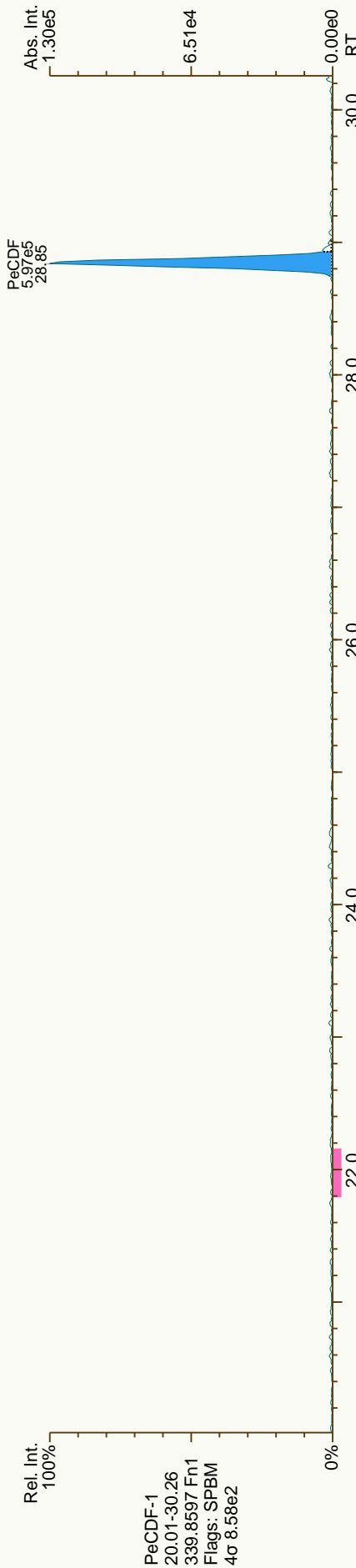


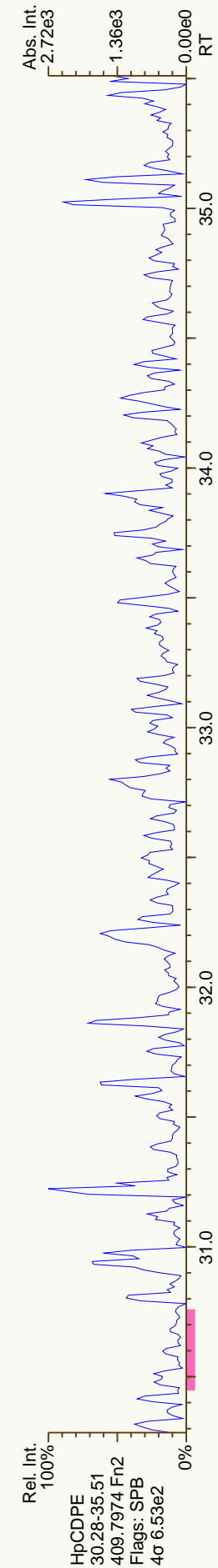
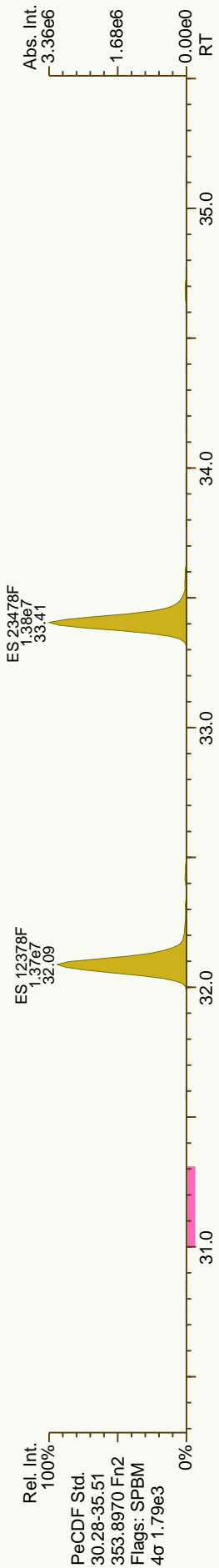
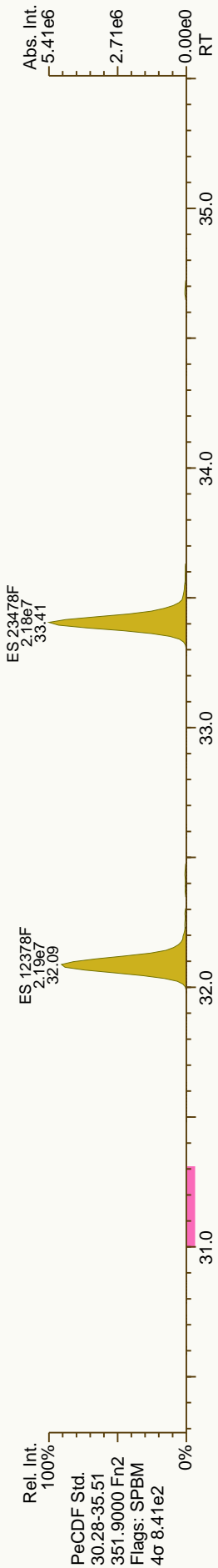
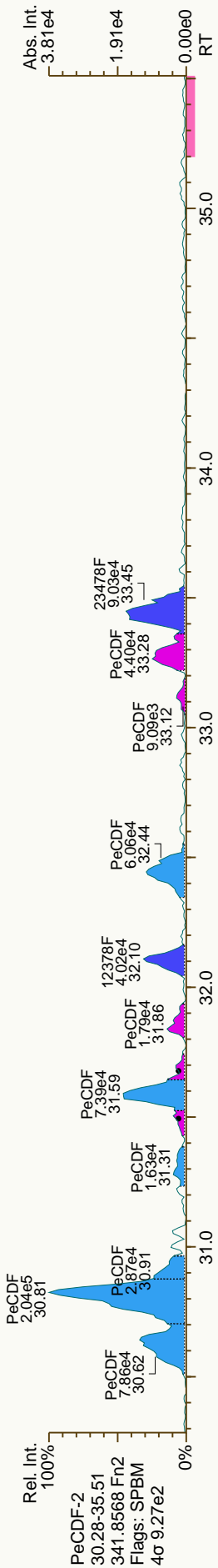
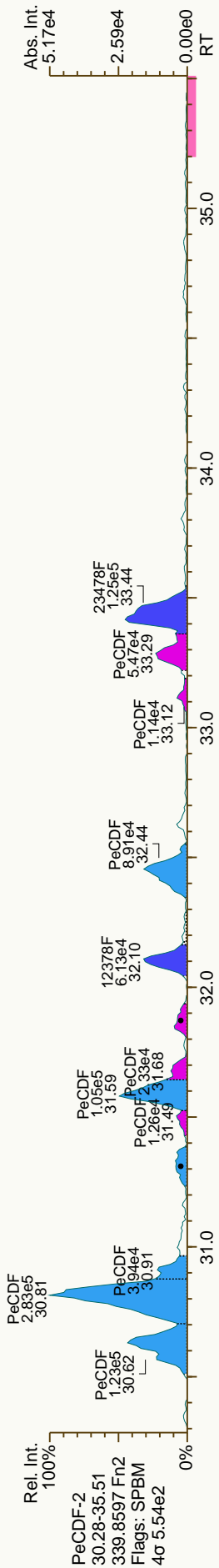


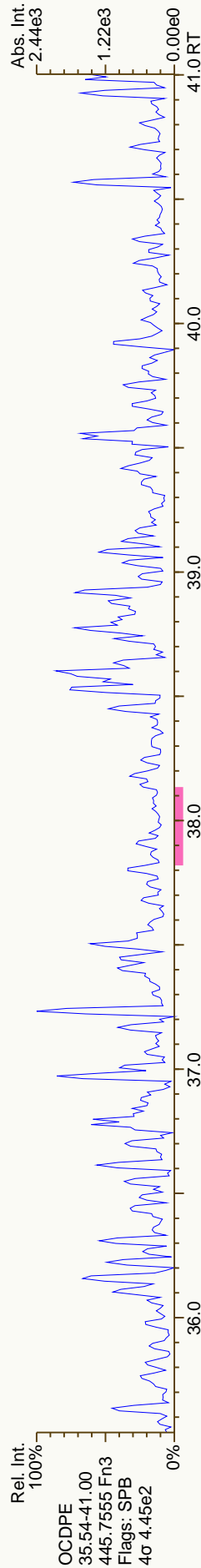
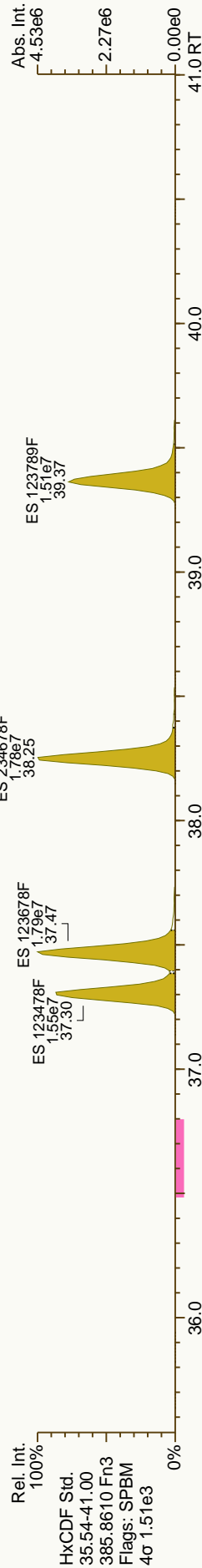
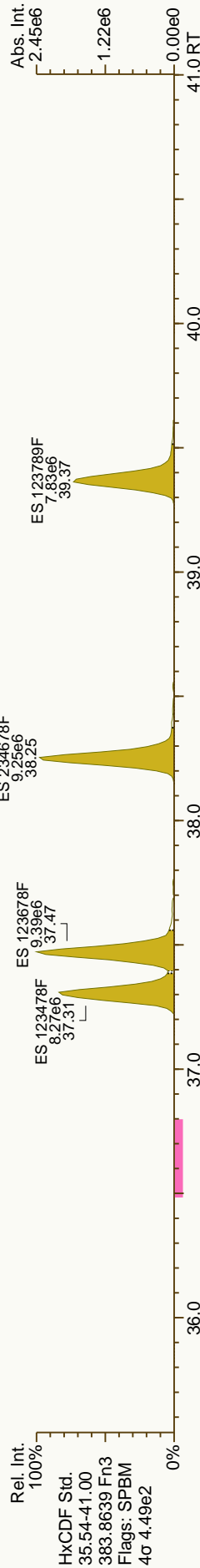
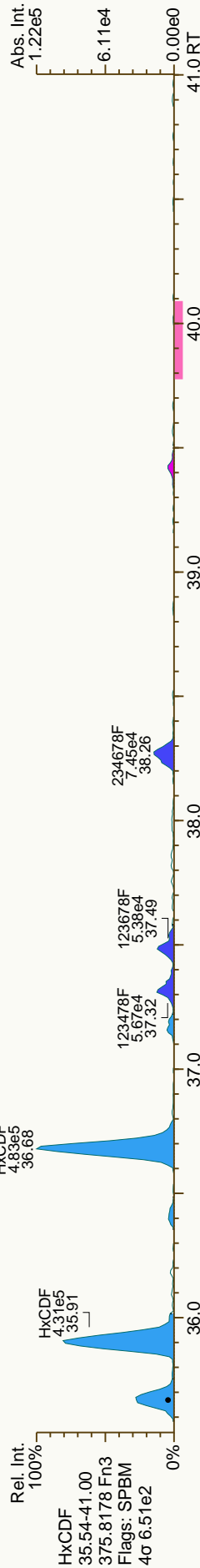
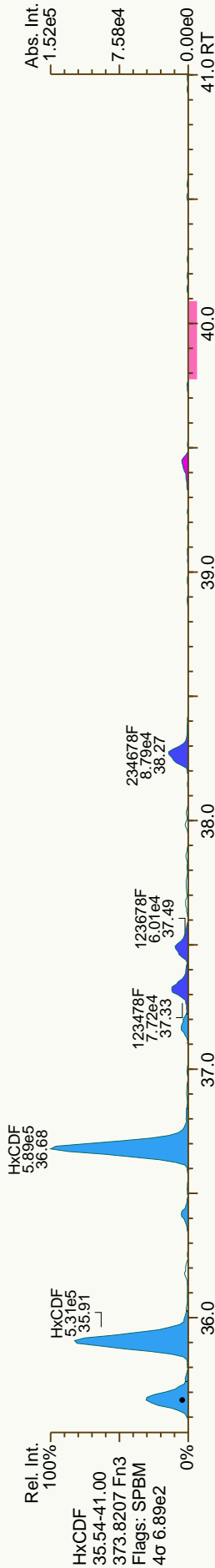


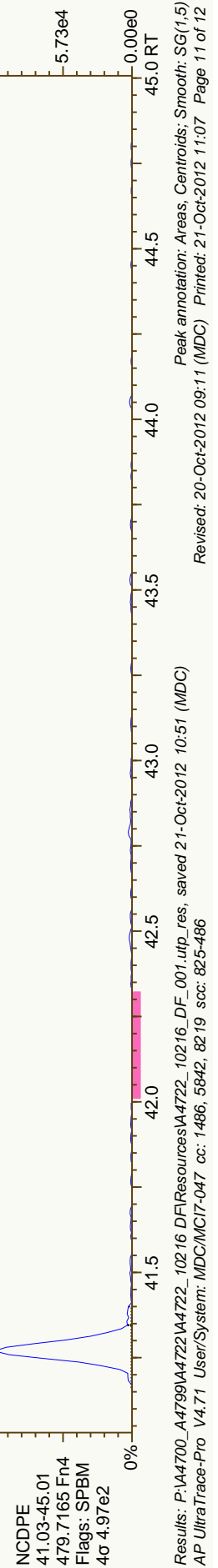
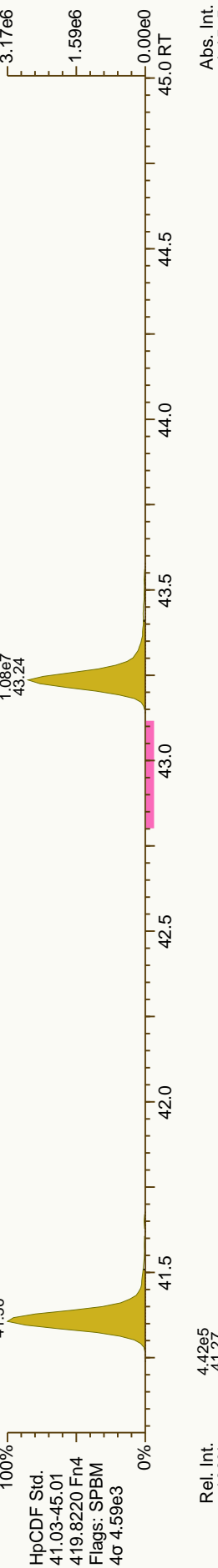
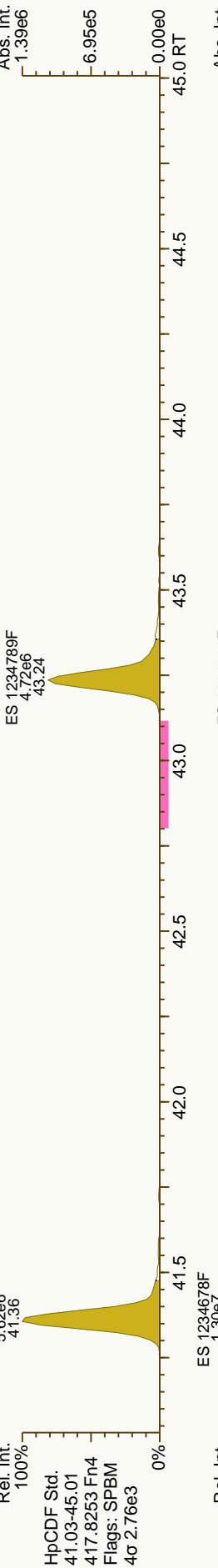
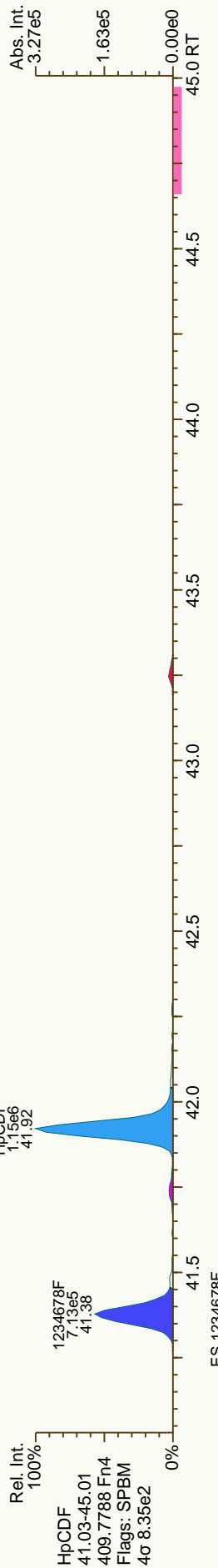
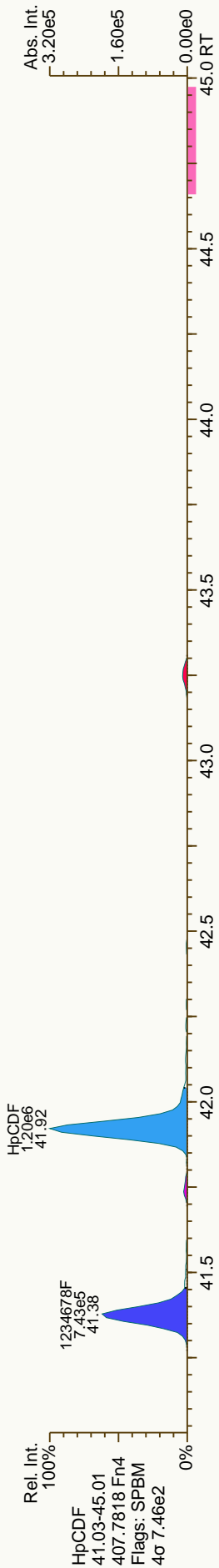


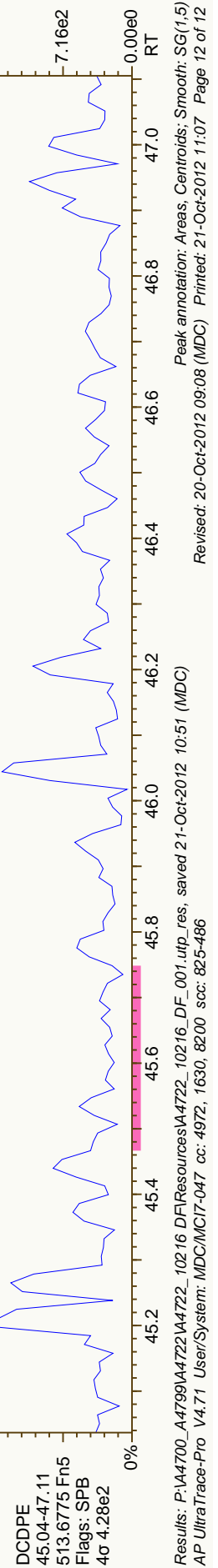
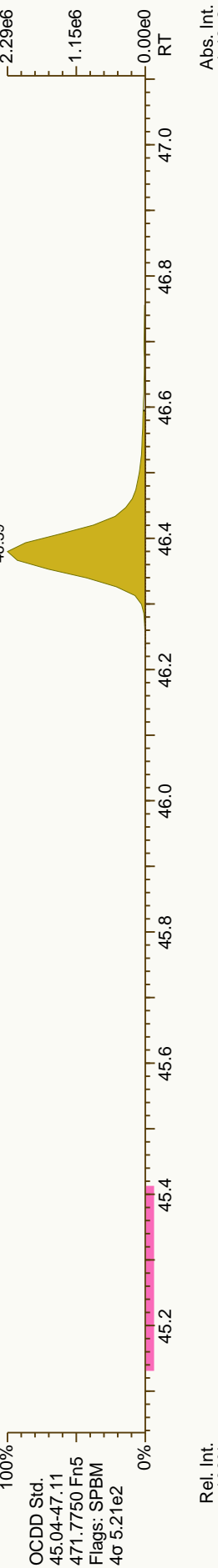
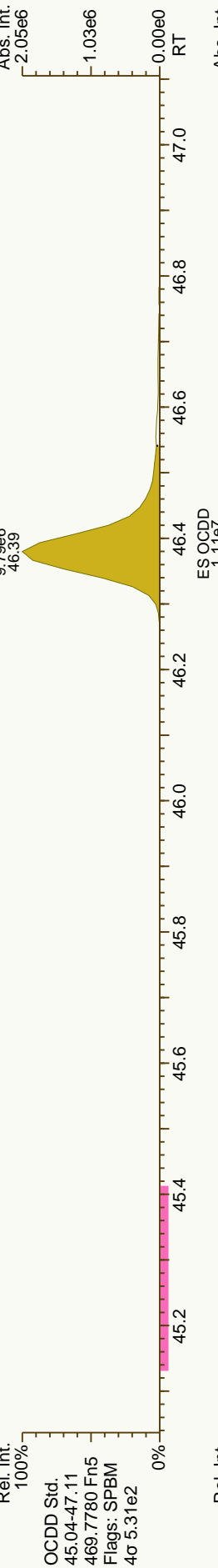
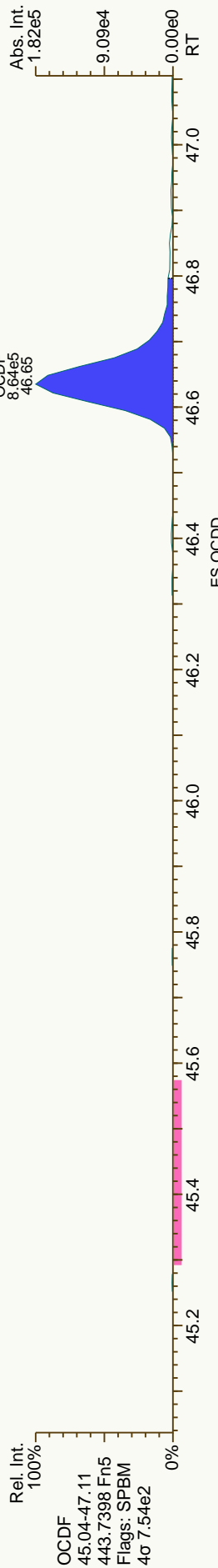
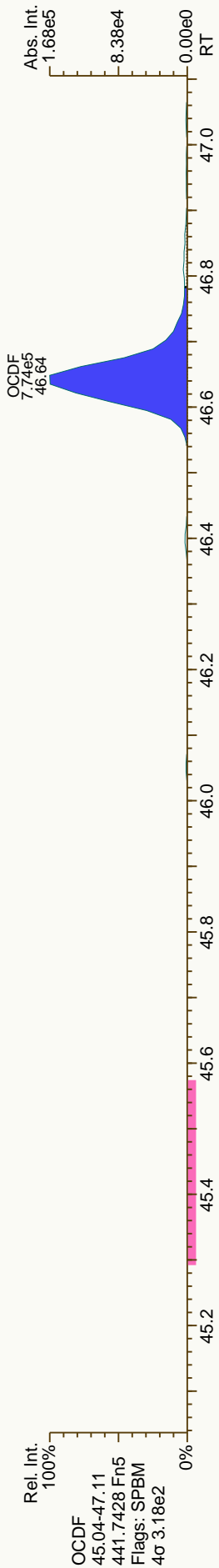












Quantify Sample Summary Report MassLynx 4.1
 ### Confirms Sample Summary ###
 Dataset: C:\MassLynx\Default.pro\Results\c31oct12b-Confirms.qld
 Last Altered: Thursday, November 01, 2012 16:02:41 Eastern Daylight Time
 Printed: Thursday, November 01, 2012 16:05:21 Eastern Daylight Time
 A4722-10210-001

31203249

Method: C:\MassLynx\Default.PRO\MethDB\VF\Xms-TCDF_Smooth.mdb 01 Nov 2012 13:33:15
 Calibration: C:\MassLynx\Default.PRO\CurveDB\VF\Xms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c31oct12b-13
 Date: 31-Oct-2012
 Time: 21:16:33
 ID: 31203249010
 User: JHL
 Submitter:
 Task: HRMS3

2378-TCDF (10035/m) (2012) 1.019 ps/g
 (8035m) (111212) (2012) (2012)
 (632300) (111212) (2012) (2012)

Rev. mar 11/11

Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RRT	RT	Conc	EDL	SN1	SN2	M	Height1	Noise1	Height2	Noise2	Smp S...	FV	
2378-TCDF	8.034e3	3.648e3	4.386e3	0.83	NO	1.0006	20.99	1.019	0.0572	38.6	53.2	dd	8.452e4	2189	1.091e5	2052	20.48	20	
ES:13C-2378-TCDF	6.323e5	2.734e5	3.589e5	0.76	NO	1.0025	20.98	101.525	0.1510	1531.7	1993.4	bb	6.426e6	4195	8.558e6	4293	20.48	20	
JS:13C-1234-TCDD	3.675e5	1.594e5	2.081e5	0.77	NO	0.0000	20.93	97.656	0.2374	813.4	1319.0	bb	3.597e6	4423	4.803e6	3642	20.48	20	
Tetrafurans	-	3.302e4	-	-	-	-	-	9.455	0.0572	-	-	-	5.015e5	2189	-	-	20.48	20	
Fl Lock Mass	-	-	-	-	-	-	-	-	-	-	-	-	-	86329	-	-	-	1.00	1

Quantify Sample Report MassLynx 4.1
Confirms Sample Summary

Dataset: C:\MassLynx\Default.pro\Results\c31oct12b-Confirms.qld

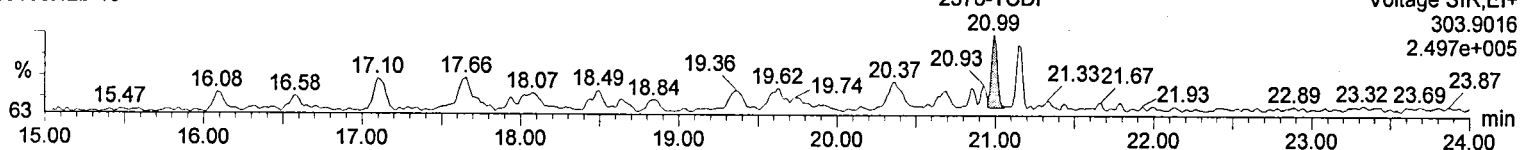
Last Altered: Thursday, 11/1/2012 11:23:28 AM Eastern Daylight Time
Printed: Thursday, 11/1/2012 11:24:54 AM Eastern Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\VFXms-TCDF_Smooth.mdb 31 Oct 2012 16:33:04
Calibration: C:\MassLynx\Default.PRO\CurveDB\VFXms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c31oct12b-13, ID: 31203249010

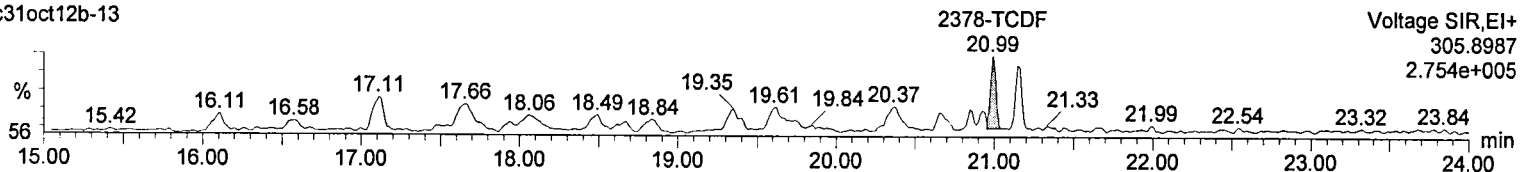
TCDF

c31oct12b-13



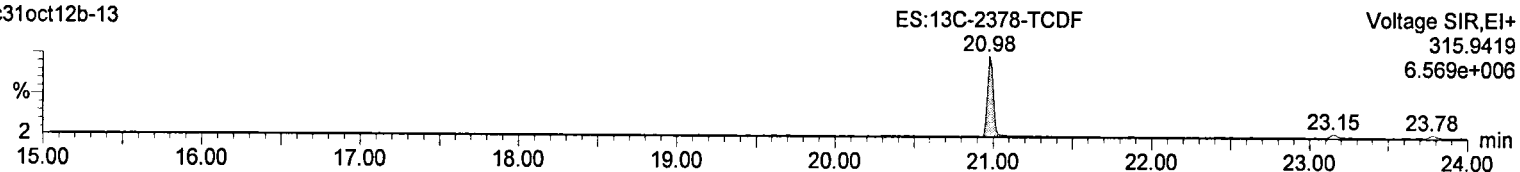
TCDF

c31oct12b-13



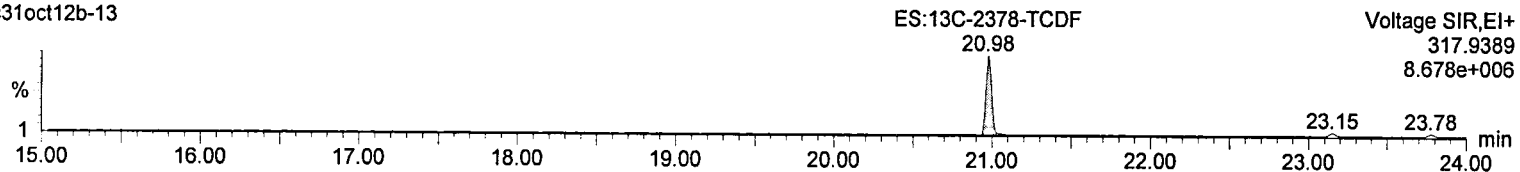
13C-TCDF

c31oct12b-13



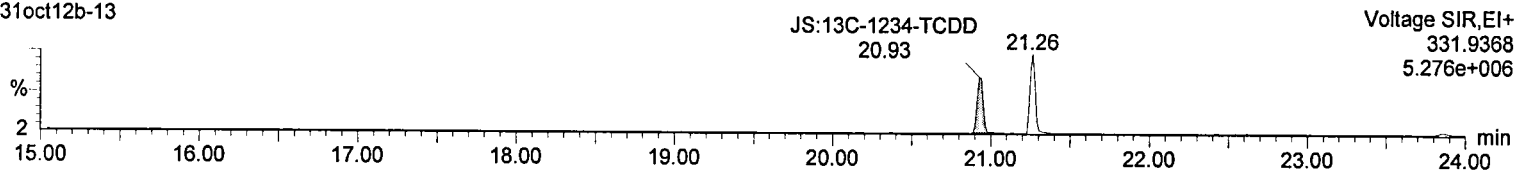
13C-TCDF

c31oct12b-13



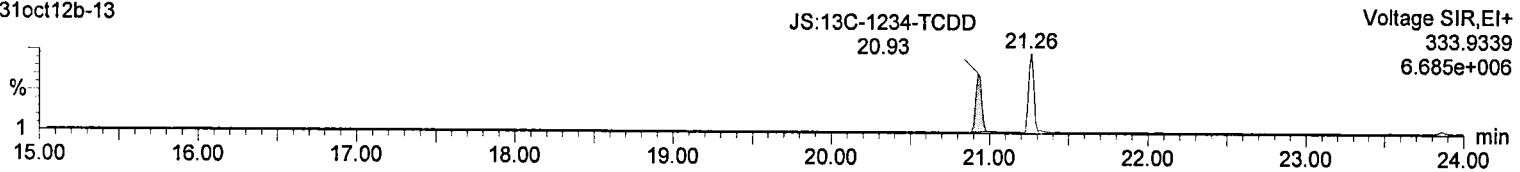
13C-TCDD

c31oct12b-13



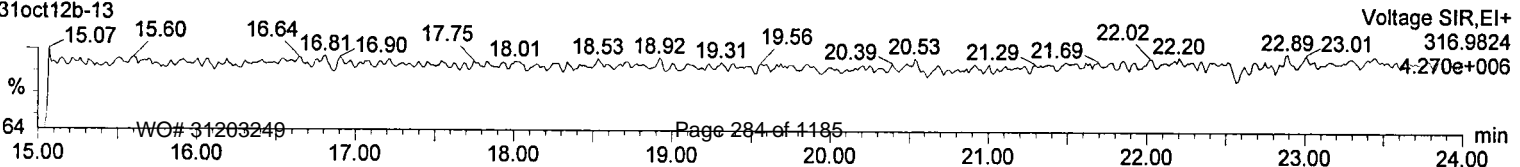
13C-TCDD

c31oct12b-13



F1 Lock Mass

c31oct12b-13



Results of JW-EA09-SS35-120507

Client Sample ID: JW-EA09-SS35-120507
 Client Project ID: Jeld-Wen Surface Sediments
 Lab Sample ID: 31203249010-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 13:36
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 48.90

Results by EPA 1668B

Parameter	Result	EMPC	Qual	DL	LOQ/CL	Units	RT	Ratio
1-MoCB	69.4			0.164	0.998	pg/g	10.44	3.21
2-MoCB	30.1			0.137	0.998	pg/g	12.29	3.26
3-MoCB	48.6			0.131	0.998	pg/g	12.45	3.22
4-DiCB	25.3			1.61	1.61	pg/g	12.67	1.62
5-DiCB	2.13			0.854	0.998	pg/g	15.08	1.56
6-DiCB	17.7			0.852	0.998	pg/g	14.81	1.59
7-DiCB	5.14			0.800	0.998	pg/g	14.61	1.45
8-DiCB	98.5			0.825	0.998	pg/g	15.20	1.61
9-DiCB	6.67			0.909	0.998	pg/g	14.46	1.41
10-DiCB	2.06			0.225	0.998	pg/g	12.83	
11-DiCB	216			0.844	0.998	pg/g	17.37	1.56
12-DiCB C13	18.1			0.827	2.00	pg/g	17.63	1.48
14-DiCB	0.853		J	0.217	0.998	pg/g	16.65	
15-DiCB	98.6			0.777	0.998	pg/g	17.91	1.56
16-TrCB	58.9			0.239	0.998	pg/g	17.85	1.05
17-TrCB	63.0			0.174	0.998	pg/g	17.47	1.08
18-TrCB C30	119			0.148	2.00	pg/g	17.10	1.08
19-TrCB	7.49			0.188	0.998	pg/g	15.46	1.15
20-TrCB C28	383			0.245	2.00	pg/g	20.54	1.04
21-TrCB C33	141			0.241	2.00	pg/g	20.73	1.03
22-TrCB	102			0.257	0.998	pg/g	21.07	1.04
23-TrCB	ND		U	0.242	0.998	pg/g		
24-TrCB		1.39		0.131	0.998	pg/g	17.77	1.47*
25-TrCB	23.5			0.241	0.998	pg/g	20.01	1.05
26-TrCB C29	45.6			0.239	2.00	pg/g	19.81	1.03
27-TrCB	10.4			0.128	0.998	pg/g	17.65	1.11
31-TrCB	286			0.230	0.998	pg/g	20.28	1.03
32-TrCB	39.7			0.122	0.998	pg/g	18.31	1.08
34-TrCB	1.58			0.255	0.998	pg/g	19.42	1.13
35-TrCB	10.9			0.256	0.998	pg/g	23.61	1.03
36-TrCB	3.44			0.237	0.998	pg/g	22.43	1.06
37-TrCB	125			0.245	0.998	pg/g	23.96	1.04
38-TrCB		0.498	J	0.260	0.998	pg/g	23.22	1.29*
39-TrCB	1.67			0.225	0.998	pg/g	22.75	1.10
40-TeCB C71	136			0.105	2.00	pg/g	23.81	0.79
41-TeCB	19.1			0.142	0.998	pg/g	23.70	0.80
42-TeCB	76.4			0.116	0.998	pg/g	23.40	0.80
43-TeCB	9.54			0.139	0.998	pg/g	22.31	0.76
44-TeCB C47/65	331			0.104	2.99	pg/g	22.95	0.79
45-TeCB	24.0			0.123	0.998	pg/g	20.60	0.80
46-TeCB	9.57			0.134	0.998	pg/g	20.86	0.84
48-TeCB	48.9			0.110	0.998	pg/g	22.76	0.82

Results of JW-EA09-SS35-120507

Client Sample ID: **JW-EA09-SS35-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249010-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 13:36
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 48.90

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
49-TeCB C69	211			0.0905	2.00	pg/g	22.52	0.79
50-TeCB C53	27.1			0.107	2.00	pg/g	20.02	0.81
51-TeCB	7.28			0.110	0.998	pg/g	20.68	0.82
52-TeCB	543			0.113	0.998	pg/g	22.10	0.80
54-TeCB	0.243		J	0.0608	0.998	pg/g	18.16	0.70
55-TeCB	5.27			0.247	0.998	pg/g	26.59	0.82
56-TeCB	186			0.255	0.998	pg/g	27.02	0.77
57-TeCB	1.43			0.238	0.998	pg/g	25.34	0.75
58-TeCB	1.38			0.237	0.998	pg/g	25.54	0.77
59-TeCB C62/75	22.9			0.0810	2.99	pg/g	23.24	0.79
60-TeCB	93.0			0.245	0.998	pg/g	27.20	0.79
61-TeCB C70/74/76	853			0.235	3.99	pg/g	26.20	0.78
63-TeCB	14.6			0.216	0.998	pg/g	25.91	0.79
64-TeCB	134			0.0754	0.998	pg/g	24.01	0.79
66-TeCB	464			0.247	0.998	pg/g	26.46	0.78
67-TeCB	12.1			0.231	0.998	pg/g	25.69	0.78
68-TeCB	3.10			0.219	0.998	pg/g	24.98	0.75
72-TeCB	5.41			0.238	0.998	pg/g	24.74	0.82
73-TeCB	0.540		J	0.0802	0.998	pg/g	22.22	0.77
77-TeCB	50.2			0.266	0.998	pg/g	30.16	0.79
78-TeCB	ND		U	0.265	0.998	pg/g		
79-TeCB	6.43			0.225	0.998	pg/g	28.85	0.73
80-TeCB	ND		U	0.213	0.998	pg/g		
81-TeCB	1.82			0.244	0.998	pg/g	29.69	0.78
82-PeCB	99.3			0.755	0.998	pg/g	29.84	0.63
83-PeCB	53.5			0.783	0.998	pg/g	28.32	0.60
84-PeCB	200			0.732	0.998	pg/g	26.35	0.62
85-PeCB C116	133			0.497	2.00	pg/g	29.45	0.62
86-PeCB C108/119/125/87/97	600			0.540	5.99	pg/g	28.88	0.62
88-PeCB	ND		U	0.642	0.998	pg/g		
89-PeCB	5.99			0.672	0.998	pg/g	26.75	0.61
90-PeCB C101/113	922			0.546	2.99	pg/g	27.94	0.62
91-PeCB	95.7			0.578	0.998	pg/g	26.17	0.62
92-PeCB	157			0.644	0.998	pg/g	27.44	0.62
93-PeCB C100	4.83			0.590	2.00	pg/g	25.64	0.59
94-PeCB	3.01			0.652	0.998	pg/g	25.06	0.64
95-PeCB	521			0.615	0.998	pg/g	25.43	0.63
96-PeCB	4.43			0.0876	0.998	pg/g	23.21	0.59
98-PeCB	1.31			0.636	0.998	pg/g	25.82	0.63
99-PeCB	430			0.551	0.998	pg/g	28.43	0.62
102-PeCB	18.3			0.596	0.998	pg/g	25.74	0.62
103-PeCB	5.54			0.564	0.998	pg/g	24.88	0.58

Results of **JW-EA09-SS35-120507**

Client Sample ID: **JW-EA09-SS35-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249010-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 13:36
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 48.90

Results by **EPA 1668B**

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
104-PeCB	ND		U	0.0665	0.998	pg/g		
105-PeCB	415			0.553	0.998	pg/g	33.10	0.63
106-PeCB	ND		U	0.510	0.998	pg/g		
107-PeCB C124	35.1			0.484	2.00	pg/g	31.55	0.61
109-PeCB	68.2			0.455	0.998	pg/g	31.75	0.62
111-PeCB	0.774		J	0.449	0.998	pg/g	30.21	0.64
110-PeCB	1130			0.525	0.998	pg/g	29.59	0.62
112-PeCB	ND		U	0.465	0.998	pg/g		
114-PeCB	21.3			0.491	0.998	pg/g	32.57	0.63
115-PeCB	13.4			0.431	0.998	pg/g	29.68	0.62
117-PeCB	28.3			0.594	0.998	pg/g	29.38	0.60
118-PeCB	989			0.482	0.998	pg/g	32.13	0.62
120-PeCB	3.36			0.456	0.998	pg/g	30.60	0.63
121-PeCB	ND		U	0.443	0.998	pg/g		
122-PeCB	11.8			0.565	0.998	pg/g	32.40	0.61
123-PeCB	12.7			0.445	0.998	pg/g	31.85	0.60
126-PeCB	2.64			0.204	0.998	pg/g	35.70	0.60
127-PeCB	ND		U	0.568	0.998	pg/g		
128-HxCB C166	186			0.276	2.00	pg/g	35.79	1.22
129-HxCB C138/163	1170			0.0600	2.99	pg/g	34.74	1.25
130-HxCB	73.9			0.0745	0.998	pg/g	34.20	1.25
131-HxCB	13.9			0.0724	0.998	pg/g	31.82	1.27
132-HxCB	333			0.0695	0.998	pg/g	32.19	1.25
133-HxCB	15.7			0.0683	0.998	pg/g	32.64	1.24
134-HxCB	56.6			0.0801	0.998	pg/g	31.31	1.27
135-HxCB C151	272			0.0647	2.00	pg/g	30.39	1.26
136-HxCB	114			0.0487	0.998	pg/g	28.33	1.27
137-HxCB	52.0			0.0664	0.998	pg/g	34.39	1.28
139-HxCB C140	19.4			0.0614	2.00	pg/g	31.66	1.28
141-HxCB	177			0.0654	0.998	pg/g	33.86	1.25
142-HxCB	ND		U	0.0720	0.998	pg/g		
143-HxCB	2.95			0.0640	0.998	pg/g	31.40	1.24
144-HxCB	40.9			0.0625	0.998	pg/g	30.85	1.24
145-HxCB	ND		U	0.0476	0.998	pg/g		
146-HxCB	109			0.0603	0.998	pg/g	33.18	1.27
147-HxCB C149	708			0.0623	2.00	pg/g	31.14	1.25
148-HxCB	1.30			0.0632	0.998	pg/g	29.89	1.39
150-HxCB	1.38			0.0444	0.998	pg/g	28.04	1.27
152-HxCB	0.835		J	0.0461	0.998	pg/g	27.89	1.27
153-HxCB C168	773			0.0469	2.00	pg/g	33.71	1.26
154-HxCB	11.7			0.0563	0.998	pg/g	30.60	1.24
155-HxCB	ND		U	0.0400	0.998	pg/g		

Results of JW-EA09-SS35-120507

Client Sample ID: **JW-EA09-SS35-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249010-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 13:36
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 48.90

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
156-HxCB C157	144			0.301	2.00	pg/g	38.23	1.23
158-HxCB	114			0.0460	0.998	pg/g	35.07	1.25
159-HxCB	ND		U	0.239	0.998	pg/g		
160-HxCB	ND		U	0.0525	0.998	pg/g		
161-HxCB	ND		U	0.0493	0.998	pg/g		
162-HxCB	3.91			0.230	0.998	pg/g	36.88	1.21
164-HxCB	68.2			0.0458	0.998	pg/g	34.47	1.26
165-HxCB	ND		U	0.0541	0.998	pg/g		
167-HxCB	43.1			0.215	0.998	pg/g	37.28	1.24
169-HxCB	ND		U	0.234	0.998	pg/g		
170-HpCB	205			0.327	0.998	pg/g	40.46	1.05
171-HpCB C173	61.2			0.299	2.00	pg/g	37.49	1.06
172-HpCB	31.8			0.335	0.998	pg/g	38.87	1.02
174-HpCB	189			0.294	0.998	pg/g	36.59	1.06
175-HpCB	8.14			0.274	0.998	pg/g	35.66	1.11
176-HpCB	21.3			0.0697	0.998	pg/g	33.58	1.02
177-HpCB	122			0.304	0.998	pg/g	36.96	1.05
178-HpCB	40.9			0.103	0.998	pg/g	35.13	1.08
179-HpCB	80.3			0.0766	0.998	pg/g	32.83	1.04
180-HpCB C193	401			0.262	2.00	pg/g	39.41	1.04
181-HpCB	2.17			0.261	0.998	pg/g	37.30	1.14
182-HpCB	1.49			0.247	0.998	pg/g	36.07	0.99
183-HpCB	99.9			0.235	0.998	pg/g	36.41	1.04
184-HpCB		0.232	J	0.0765	0.998	pg/g	33.31	1.28*
185-HpCB	19.2			0.269	0.998	pg/g	36.48	1.07
186-HpCB	ND		U	0.0741	0.998	pg/g		
187-HpCB	235			0.256	0.998	pg/g	35.89	1.04
188-HpCB	0.400		J	0.0676	0.998	pg/g	32.57	1.08
189-HpCB	7.92			0.144	0.998	pg/g	43.08	1.04
190-HpCB	38.7			0.244	0.998	pg/g	40.91	1.06
191-HpCB	8.45			0.245	0.998	pg/g	39.71	1.02
192-HpCB	ND		U	0.254	0.998	pg/g		
194-OcCB	79.1			0.149	0.998	pg/g	44.84	0.91
195-OcCB	29.0			0.160	0.998	pg/g	42.87	0.90
196-OcCB	41.9			0.129	0.998	pg/g	41.61	0.90
197-OcCB	2.91			0.0878	0.998	pg/g	38.61	0.84
198-OcCB C199	103			0.134	2.00	pg/g	41.06	0.89
200-OcCB	6.19			0.0967	0.998	pg/g	38.68	0.89
201-OcCB	11.2			0.0913	0.998	pg/g	37.85	0.92
202-OcCB	20.9			0.0981	0.998	pg/g	37.07	0.91
203-OcCB	60.9			0.123	0.998	pg/g	41.77	0.89
204-OcCB	ND		U	0.0963	0.998	pg/g		

Results of JW-EA09-SS35-120507

Client Sample ID: **JW-EA09-SS35-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249010-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 13:36
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 48.90

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
205-OcCB	3.43			0.111	0.998	pg/g	45.24	0.94
206-NoCB	35.1			0.132	0.998	pg/g	46.69	0.77
207-NoCB	4.99			0.110	0.998	pg/g	43.45	0.78
208-NoCB	11.0			0.101	0.998	pg/g	42.68	0.78
209-DeCB	19.3			0.110	0.998	pg/g	48.03	1.17
Total Monochlorobiphenyls	148			0.148		pg/g		
Total Dichlorobiphenyls	491			1.19		pg/g		
Total Trichlorobiphenyls	1420			0.216		pg/g		
Total Tetrachlorobiphenyls	3300			0.158		pg/g		
Total Pentachlorobiphenyls	5990			0.374		pg/g		
Total Hexachlorobiphenyls	4500			0.197		pg/g		
Total Heptachlorobiphenyls	1570			0.205		pg/g		
Total Octachlorobiphenyls	359			0.104		pg/g		
Total Nonachlorobiphenyls	51.1			0.116		pg/g		
Total Decachlorobiphenyl	19.3			0.110		pg/g		
Total PCBs	17800			1.19		pg/g		

World Health Organization Summary

	<u>Units</u>	<u>ND=0</u>	<u>ND=½</u>	<u>ND=DL</u>
WHO-2005 TEQ	pg/g	0.319	0.322	0.326
WHO-2005 TEQ w/EMPC	pg/g	0.319	0.322	0.326

Results of JW-EA09-SS35-120507

Client Sample ID: **JW-EA09-SS35-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249010-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 13:36
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 48.90

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
1L-MoCB	55.0				4.00-100	%		
3L-MoCB	70.0				11.0-106	%		
4L-DiCB	77.0				14.0-107	%		
15L-DiCB	88.0				19.0-107	%		
19L-TrCB	82.0				1.00-108	%		
37L-TrCB	96.0				25.0-123	%		
54L-TeCB	110*				13.0-105	%		
77L-TeCB	94.0				31.0-109	%		
81L-TeCB	100				14.0-127	%		
104L-PeCB	106				36.0-115	%		
105L-PeCB	89.0				50.0-111	%		
114L-PeCB	88.0				41.0-121	%		
118L-PeCB	92.0				49.0-111	%		
123L-PeCB	98.0				49.0-116	%		
126L-PeCB	95.0				50.0-106	%		
155L-HxCB	99.0				25.0-124	%		
156L-HxCB C157L	77.0				40.0-120	%		
167L-HxCB	79.0				45.0-118	%		
169L-HxCB	83.0				37.0-117	%		
188L-HpCB	98.0				23.0-125	%		
189L-HpCB	101				47.0-116	%		
202L-OcCB	86.0				31.0-134	%		
205L-OcCB	110				46.0-115	%		
206L-NoCB	117				38.0-122	%		
208L-NoCB	103				31.0-126	%		
209L-DeCB	102				43.0-115	%		
28L-TrCB	103				14.0-131	%		
111L-PeCB	106				57.0-112	%		
178L-HpCB	110				57.0-125	%		

Batch Information

Analytical Batch: **HRP1313**
 Analytical Method: **EPA 1668B**
 Instrument: **APHRMS**
 Analyst: **LKB**
 Analytical Date/Time: **10/17/2012 04:49**

Prep Batch: **HXX1803**
 Prep Method: **EPA 1668B PREP S/D/T**
 Prep Date/Time: **10/10/2012 10:29**
 Prep Initial Wt./Vol.: **20.48 g**
 Prep Extract Vol: **20 uL**



Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.16		1.0006	1.0006	0	1.31E+07	0.79	1.13	50.2	6.28E+03	0.266
PCB-81 344'5'-TeCB	29.69		1.0006	1.0005	-0.2	4.76E+05	0.78	1.13	1.82	6.28E+03	0.244
PCB-105 233'44'-PeCB	33.10		1.0007	1.0007	0	7.57E+07	0.63	1.09	415	9.25E+03	0.553
PCB-114 2344'5'-PeCB	32.57		1.0007	1.0006	-0.2	4.12E+06	0.63	1.16	21.3	9.25E+03	0.491
PCB-118 23'44'5'-PeCB	32.13		1.0008	1.0007	-0.2	1.96E+08	0.62	1.11	989	9.25E+03	0.482
PCB-123 23'44'5'-PeCB	31.85		1.0006	1.0008	+0.4	2.74E+06	0.60	1.19	12.7	9.25E+03	0.445
PCB-126 33'44'5'-PeCB	35.70		1.0006	1.0003	-0.6	4.85E+05	0.60	1.06	2.64	3.47E+03	0.204
PCB-156/157 ...-HxCB	38.23	C	1.0005	1.0002	-0.7	2.29E+07	1.23	1.11	144	3.47E+03	0.301
PCB-167 23'44'55'-HxCB	37.28		1.0006	1.0005	-0.2	7.48E+06	1.24	1.14	43.1	3.47E+03	0.215
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	3.47E+03	0.234
PCB-189 233'44'55'-HpCB	43.08		1.0005	1.0004	-0.3	1.17E+06	1.04	1.06	7.92	1.90E+03	0.144
PCB-209 DeCB	48.03		1.0004	1.0004	0	1.98E+06	1.17	1.07	19.3	7.89E+02	0.111
ES PCB-1	10.43		0.7215	0.7219	+0.3	4.09E+07	3.28	1.08	54.7 %	25%	150%
ES PCB-3	12.44		0.8610	0.8614	+0.3	5.25E+07	3.16	1.08	70.1 %	25%	150%
ES PCB-4	12.65		0.8755	0.8760	+0.4	2.59E+07	1.58	0.49	76.7 %	25%	150%
ES PCB-15	17.90		1.2391	1.2391	0	6.74E+07	1.58	1.11	87.8 %	25%	150%
ES PCB-19	15.44		1.0683	1.0690	+0.6	3.12E+07	1.04	0.55	81.5 %	25%	150%
ES PCB-37	23.94		1.0844	1.0842	-0.3	5.70E+07	1.08	1.64	96.3 %	25%	150%
ES PCB-54	18.14		0.8213	0.8214	+0.1	3.73E+07	0.74	0.94	110 %	25%	150%
ES PCB-77	30.14		1.3648	1.3650	+0.4	4.59E+07	0.78	1.35	94.2 %	25%	150%
ES PCB-81	29.67		1.3435	1.3439	+0.7	4.64E+07	0.79	1.29	99.7 %	25%	150%
ES PCB-104	22.89		0.8203	0.8201	-0.3	3.19E+07	1.53	0.99	106 %	25%	150%
ES PCB-105	33.08		1.1849	1.1850	+0.2	3.33E+07	1.58	1.23	88.5 %	25%	150%
ES PCB-114	32.55		1.1658	1.1660	+0.4	3.34E+07	1.64	1.25	87.8 %	25%	150%
ES PCB-118	32.10		1.1499	1.1501	+0.4	3.58E+07	1.60	1.28	91.7 %	25%	150%
ES PCB-123	31.83		1.1399	1.1402	+0.6	3.63E+07	1.62	1.22	97.9 %	25%	150%
ES PCB-126	35.69		1.2781	1.2787	+1.3	3.45E+07	1.58	1.20	94.5 %	25%	150%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	27.74		0.7992	0.7989	-0.5	3.79E+07	1.23	1.50	98.8 %	25%	150%
ES PCB-156/157	38.22		1.1007	1.1009	+0.5	5.74E+07	1.33	1.45	76.8 %	25%	150%
ES PCB-167	37.26		1.0731	1.0733	+0.4	3.05E+07	1.30	1.49	79.4 %	25%	150%
ES PCB-169	40.95		1.1789	1.1796	+1.7	3.01E+07	1.30	1.40	83.3 %	25%	150%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	32.55		0.7266	0.7261	-1.0	2.96E+07	1.06	1.18	97.8 %	25%	150%
ES PCB-189	43.06		0.9608	0.9607	-0.3	2.79E+07	1.09	1.49	101 %	25%	150%
ES PCB-202	37.05		0.8271	0.8266	-1.1	2.52E+07	0.92	1.14	86.2 %	25%	150%
ES PCB-205	45.22		1.0088	1.0088	0	2.46E+07	0.89	1.20	110 %	25%	150%

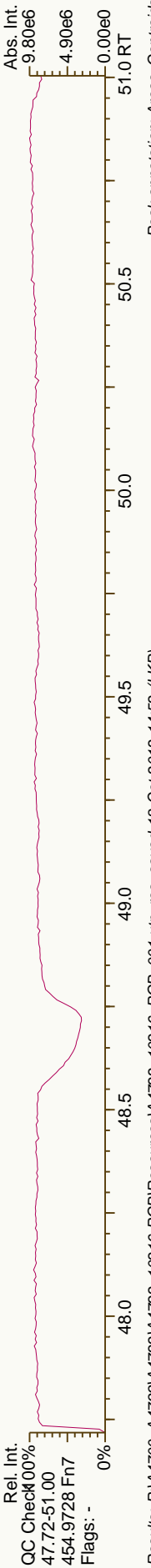
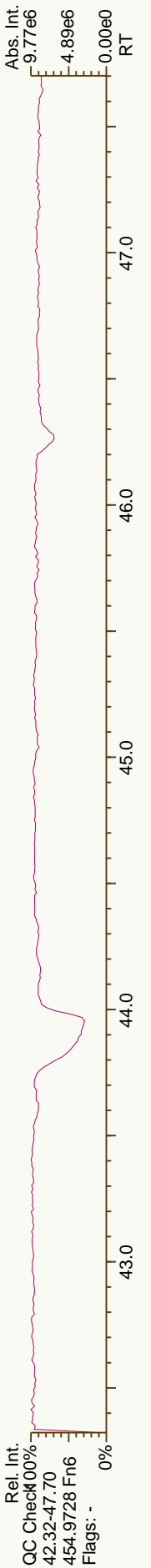
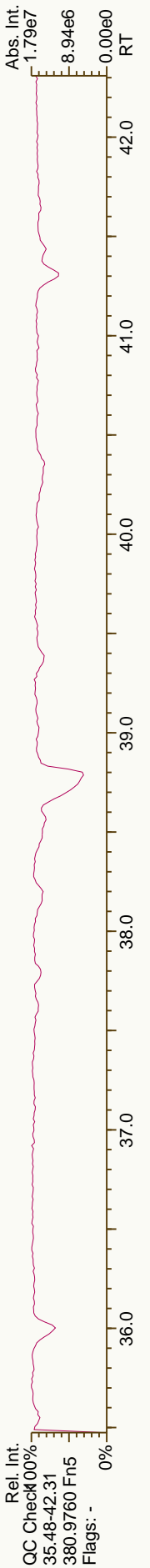
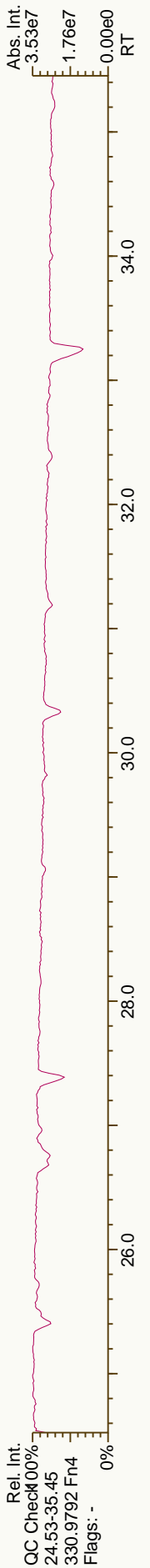
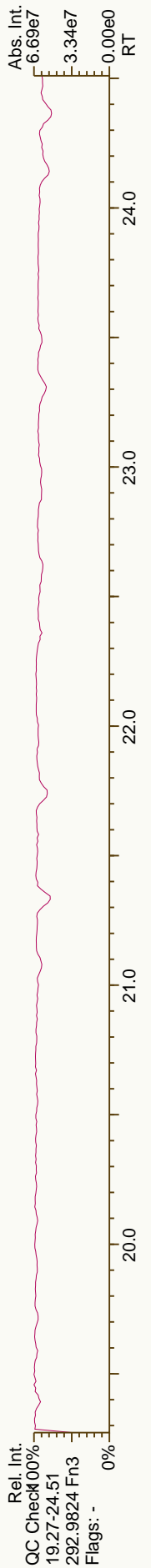
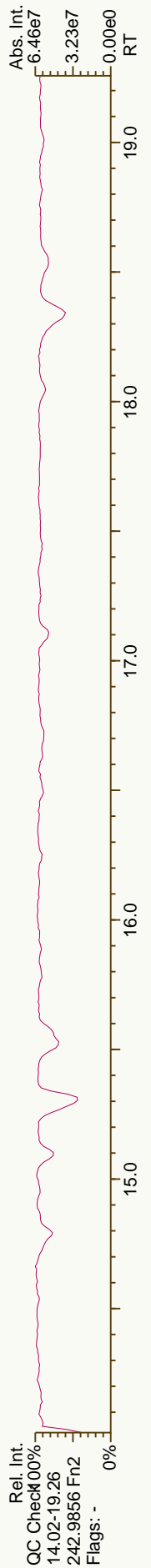
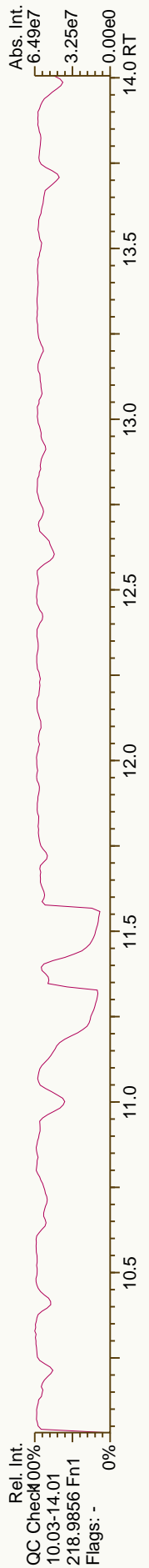
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	46.68		1.0414	1.0414	0	1.89E+07	0.79	0.87	117 %	25 %	150 %
ES PCB-208	42.65		0.9519	0.9516	-0.8	2.28E+07	0.78	1.19	103 %	25 %	150 %
ES PCB-209	48.01		1.0714	1.0712	-0.6	1.91E+07	1.17	1.00	102 %	25 %	150 %
SS PCB-28	20.52		0.9294	0.9292	-0.2	6.52E+07	1.07	1.07	107 %	30 %	135 %
SS PCB-111	30.19		1.0814	1.0816	+0.4	3.97E+07	1.62	1.01	109 %	30 %	135 %
SS PCB-178	35.11		1.0112	1.0112	0	2.09E+07	1.07	0.63	113 %	30 %	135 %
CS PCB-28	20.52		0.9294	0.9292	-0.2	6.52E+07	1.07	1.76	103 %	30 %	135 %
CS PCB-111	30.19		1.0814	1.0816	+0.4	3.97E+07	1.62	1.23	106 %	30 %	135 %
CS PCB-178	35.11		1.0112	1.0112	0	2.09E+07	1.07	0.74	110 %	30 %	135 %
JS PCB-9	14.44					6.91E+07	1.56				
JS PCB-52	22.08					3.62E+07	0.79				
JS PCB-101	27.91					3.04E+07	1.67				
JS PCB-138	34.72					2.57E+07	1.24				
JS PCB-194	44.82					1.87E+07	0.91				
Totals											
Mono-CBS						148				148	0.148
Di-CBS						491				491	1.19
Tri-CBS						1,420				1,420	0.216
Tetra-CBS						3,300				3,300	0.158
Penta-CBS						5,990				5,990	0.374
Hexa-CBS						4,500				4,500	0.197
Hepta-CBS						1,570				1,570	0.205
Octa-CBS						359				359	0.104
Nona-CBS						51.1				51.1	0.116
PCB-1 2-MoCB	10.44		1.0011	1.0011	0	1.47E+07	3.21	1.03	69.4	5.59E+03	0.164
PCB-2 3-MoCB	12.29		0.9880	0.9880	0	7.87E+06	3.26	1.00	30.1	5.59E+03	0.137
PCB-3 4-MoCB	12.45		1.0009	1.0010	+0.1	1.33E+07	3.22	1.04	48.6	5.59E+03	0.131
PCB-4 22'-DiCB	12.67		1.0011	1.0011	0	3.83E+06	1.62	1.17	25.3	3.78E+04	1.61
PCB-10 26-DiCB	12.83		1.0140	1.0137	-0.2	4.38E+05	SI	1.64	2.06	7.42E+03	0.225
PCB-9 25-DiCB	14.46		1.0010	1.0010	0	2.08E+06	1.41	0.92	6.67	3.06E+04	0.909
PCB-7 24-DiCB	14.61		1.0115	1.0114	-0.1	1.82E+06	1.45	1.05	5.14	3.06E+04	0.8
PCB-6 23'-DiCB	14.81		1.0256	1.0256	0	5.89E+06	1.59	0.99	17.7	3.06E+04	0.852
PCB-5 23-DiCB	15.08		1.0444	1.0443	-0.1	7.08E+05	1.56	0.98	2.13	3.06E+04	0.854
PCB-8 24'-DiCB	15.20		1.0523	1.0522	-0.1	3.39E+07	1.61	1.02	98.5	3.06E+04	0.825
PCB-14 35-DiCB	16.65	J	0.9302	0.9301	-0.1	3.37E+05	SI	1.17	0.853	9.27E+03	0.217
PCB-11 33'-DiCB	17.37		0.9709	0.9705	-0.4	7.27E+07	1.56	1.00	216	3.06E+04	0.844
PCB-13/12 34'/34-DiCB	17.63	C	0.9859	0.9852	-0.7	6.19E+06	1.48	1.02	18.1	3.06E+04	0.827
PCB-15 44'-DiCB	17.91		1.0008	1.0009	+0.1	3.60E+07	1.56	1.08	98.6	3.06E+04	0.777

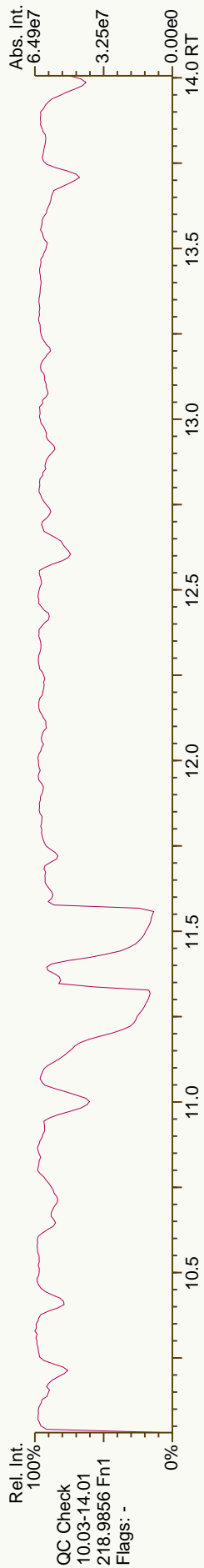
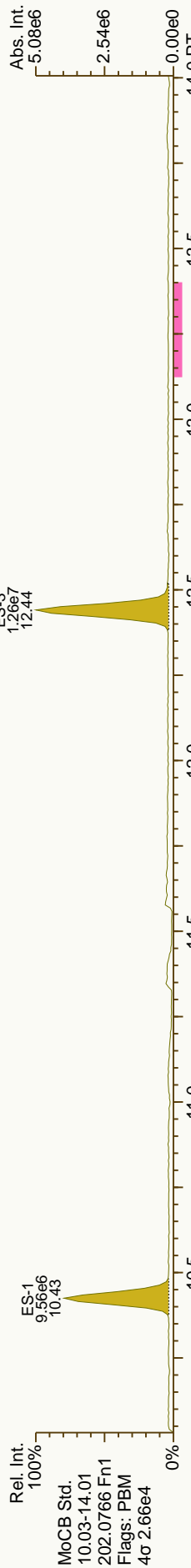
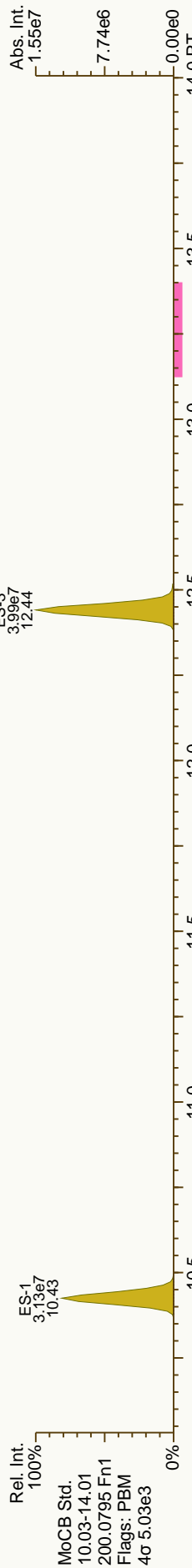
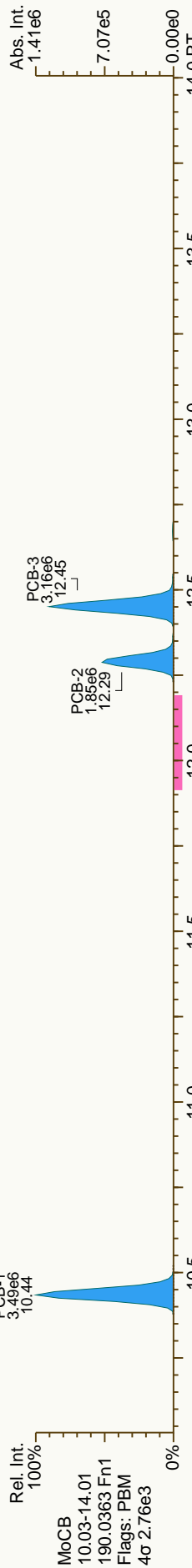
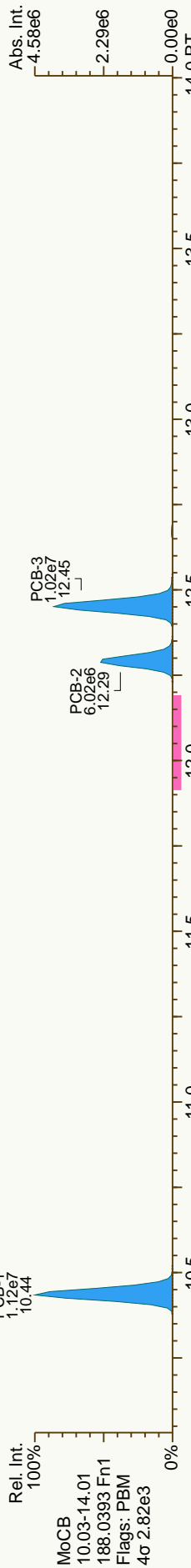
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19	22'6"-TrCB		1.0011	1.0011	0	1.28E+06	1.15	1.09	7.49	3.91E+03	0.188
PCB-30/18	246/22'5"-TrCB	C	1.1077	1.1076	-0.1	2.58E+07	1.08	1.39	119	3.91E+03	0.148
PCB-17	22'4"-TrCB		1.1317	1.1313	-0.4	1.16E+07	1.08	1.18	63	3.91E+03	0.174
PCB-27	23'6"-TrCB		1.1435	1.1431	-0.4	2.60E+06	1.11	1.61	10.4	3.91E+03	0.128
PCB-24	236"-TrCB	EMPC	1.1514	1.1509	-0.5	3.41E+05	1.47	1.57	1.39	3.91E+03	0.131
PCB-16	22'3"-TrCB		1.1568	1.1564	-0.4	7.91E+06	1.05	0.86	58.9	3.91E+03	0.239
PCB-32	24'6"-TrCB		1.1866	1.1860	-0.7	1.04E+07	1.08	1.68	39.7	3.91E+03	0.122
PCB-34	23'5"-TrCB		0.8111	0.8111	0	4.76E+05	1.13	1.06	1.58	7.60E+03	0.255
PCB-23	235"-TrCB	NotFnd	0.8168	-		0.00E+00		1.11	ND	7.60E+03	0.242
PCB-26/29	23'5'/245"-TrCB	C	0.8282	0.8273	-1.1	1.47E+07	1.03	1.13	45.6	7.60E+03	0.239
PCB-25	23'4"-TrCB		0.8361	0.8359	-0.2	7.53E+06	1.05	1.12	23.5	7.60E+03	0.241
PCB-31	24'5"-TrCB		0.8472	0.8471	-0.1	9.58E+07	1.03	1.17	286	7.60E+03	0.23
PCB-28/20	244'/233'-TrCB	C	0.8581	0.8578	-0.4	1.21E+08	1.04	1.10	383	7.60E+03	0.245
PCB-21/33	234/23'4"-TrCB	C	0.8650	0.8661	+1.4	4.50E+07	1.03	1.12	141	7.60E+03	0.241
PCB-22	234'-TrCB		0.8802	0.8801	-0.1	3.07E+07	1.04	1.05	102	7.60E+03	0.257
PCB-36	33'5"-TrCB		0.9366	0.9368	+0.3	1.12E+06	1.06	1.14	3.44	7.60E+03	0.237
PCB-39	34'5"-TrCB		0.9494	0.9502	+1.1	5.70E+05	1.10	1.20	1.67	7.60E+03	0.225
PCB-38	345"-TrCB	J EMPC	0.9701	0.9701	0	1.47E+05	1.29	1.04	0.498	7.60E+03	0.26
PCB-35	33'4"-TrCB		0.9865	0.9864	-0.1	3.27E+06	1.03	1.06	10.9	7.60E+03	0.256
PCB-37	344'-TrCB		1.0007	1.0008	+0.1	3.96E+07	1.04	1.10	125	7.60E+03	0.245
PCB-54	22'66"-TeCB	J	1.0010	1.0012	+0.2	5.49E+04	0.70	1.21	0.243	1.49E+03	0.0608
PCB-50/53	22'46'/22'56"-TeCB	C	0.9082	0.9069	-1.6	5.19E+06	0.81	0.82	27.1	2.01E+03	0.107
PCB-45	22'36"-TeCB		0.9329	0.9329	0	4.02E+06	0.80	0.72	24	2.01E+03	0.123
PCB-51	22'46'-TeCB		0.9363	0.9364	+0.1	1.36E+06	0.82	0.80	7.28	2.01E+03	0.11
PCB-46	22'36'-TeCB		0.9450	0.9449	-0.1	1.46E+06	0.84	0.66	9.57	2.01E+03	0.134
PCB-52	22'55'-TeCB		1.0010	1.0009	-0.1	9.90E+07	0.80	0.78	543	2.01E+03	0.113
PCB-73	23'5'6"-TeCB	J	1.0065	1.0064	-0.1	1.38E+05	0.77	1.10	0.54	2.01E+03	0.0802
PCB-43	22'35"-TeCB		1.0102	1.0102	0	1.41E+06	0.76	0.63	9.54	2.01E+03	0.139
PCB-69/49	23'46'/22'45"-TeCB	C	1.0192	1.0200	+1.1	4.79E+07	0.79	0.98	211	2.01E+03	0.0905
PCB-48	22'45"-TeCB		1.0311	1.0310	-0.1	9.13E+06	0.82	0.80	48.9	2.01E+03	0.11
PCB-44/47/65	...-TeCB	C	1.0405	1.0395	-1.4	6.56E+07	0.79	0.85	331	2.01E+03	0.104
PCB-59/62/75	...-TeCB	C	1.0526	1.0524	-0.3	5.81E+06	0.79	1.09	22.9	2.01E+03	0.081
PCB-42	22'34"-TeCB		1.0595	1.0596	+0.1	1.36E+07	0.80	0.76	76.4	2.01E+03	0.116
PCB-41	22'34"-TeCB		1.0737	1.0736	-0.1	2.77E+06	0.80	0.62	19.1	2.01E+03	0.142
PCB-71/40	23'4'6'/22'33'-TeCB	C	1.0782	1.0783	+0.1	2.66E+07	0.79	0.84	136	2.01E+03	0.105
PCB-64	234'6"-TeCB		1.0872	1.0872	0	3.65E+07	0.79	1.17	134	2.01E+03	0.0754
PCB-72	23'55'-TeCB		0.8338	0.8336	-0.3	1.46E+06	0.82	1.16	5.41	6.28E+03	0.238
PCB-68	23'45'-TeCB		0.8421	0.8420	-0.1	9.03E+05	0.75	1.26	3.1	6.28E+03	0.219
PCB-57	233'5"-TeCB		0.8540	0.8541	+0.2	3.83E+05	0.75	1.16	1.43	6.28E+03	0.238
PCB-58	233'5'-TeCB		0.8605	0.8607	+0.3	3.73E+05	0.77	1.16	1.38	6.28E+03	0.237
PCB-67	23'45"-TeCB		0.8657	0.8657	0	3.37E+06	0.78	1.19	12.1	6.28E+03	0.231
PCB-63	234'5"-TeCB		0.8731	0.8732	+0.2	4.32E+06	0.79	1.27	14.6	6.28E+03	0.216
PCB-61/70/74/76	...-TeCB	C	0.8824	0.8830	+0.9	2.32E+08	0.78	1.17	853	6.28E+03	0.235
PCB-66	23'44'-TeCB		0.8919	0.8918	-0.2	1.20E+08	0.78	1.11	464	6.28E+03	0.247
PCB-55	233'4"-TeCB		0.8963	0.8963	0	1.37E+06	0.82	1.12	5.27	6.28E+03	0.247

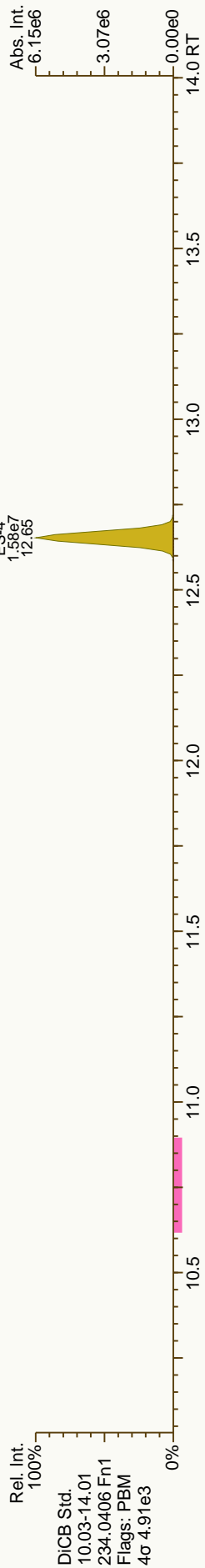
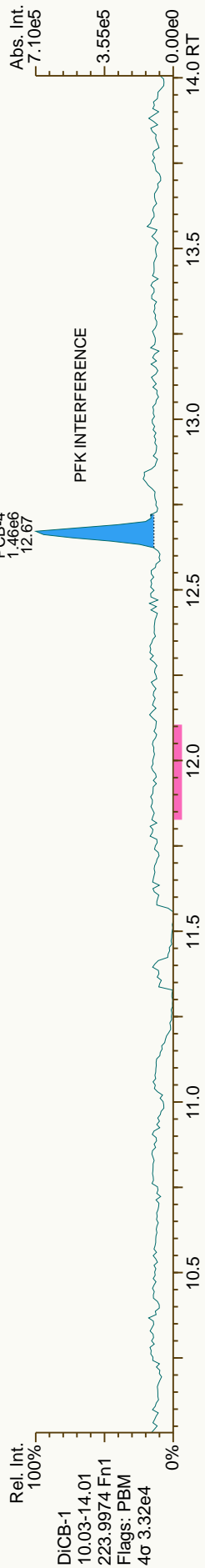
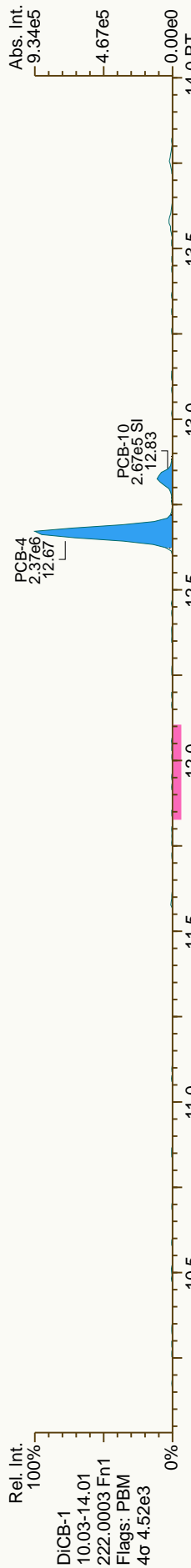
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.02		0.9106	0.9105	-0.2	4.67E+07	0.77	1.08	186	6.28E+03	0.255
PCB-60 234'-TeCB	27.20		0.9169	0.9168	-0.2	2.42E+07	0.79	1.12	93	6.28E+03	0.245
PCB-80 33'55'-TeCB	NotFnd		0.9292	-		0.00E+00		1.29	ND	6.28E+03	0.213
PCB-79 33'45'-TeCB	28.85		0.9724	0.9722	-0.3	1.83E+06	0.73	1.22	6.43	6.28E+03	0.225
PCB-78 33'45'-TeCB	NotFnd		0.9882	-		0.00E+00		1.04	ND	6.28E+03	0.265
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.25	ND	1.41E+03	0.0665
PCB-96 22'366'-PeCB	23.21		1.0138	1.0138	0	6.75E+05	0.59	0.95	4.43	1.41E+03	0.0876
PCB-103 22'45'6'-PeCB	24.88		0.8916	0.8915	-0.1	9.47E+05	0.58	0.94	5.54	9.25E+03	0.564
PCB-94 22'356'-PeCB	25.06		0.8978	0.8978	0	4.45E+05	0.64	0.81	3.01	9.25E+03	0.652
PCB-95 22'35'6'-PeCB	25.43		0.9111	0.9112	+0.2	8.17E+07	0.63	0.86	521	9.25E+03	0.615
PCB-100/93 22'44'6'/22'356'-PeCB	25.64	C	0.9186	0.9184	-0.3	7.89E+05	0.59	0.90	4.83	9.25E+03	0.59
PCB-102 22'456'-PeCB	25.74		0.9226	0.9223	-0.5	2.96E+06	0.62	0.89	18.3	9.25E+03	0.596
PCB-98 22'34'6'-PeCB	25.82		0.9249	0.9250	+0.2	1.98E+05	0.63	0.83	1.31	9.25E+03	0.636
PCB-88 22'346'-PeCB	NotFnd		0.9350	-		0.00E+00		0.83	ND	9.25E+03	0.642
PCB-91 22'34'6'-PeCB	26.17		0.9375	0.9376	+0.2	1.60E+07	0.62	0.92	95.7	9.25E+03	0.578
PCB-84 22'33'6'-PeCB	26.35		0.9438	0.9438	0	2.63E+07	0.62	0.72	200	9.25E+03	0.732
PCB-89 22'346'-PeCB	26.75		0.9584	0.9584	0	8.58E+05	0.61	0.79	5.99	9.25E+03	0.672
PCB-121 23'45'6'-PeCB	NotFnd		0.9722	-		0.00E+00		1.20	ND	9.25E+03	0.443
PCB-92 22'355'-PeCB	27.44		0.9830	0.9831	+0.2	2.35E+07	0.62	0.82	157	9.25E+03	0.644
PCB-113/90/101 ...-PeCB	27.94	C	0.9999	1.0008	+1.5	1.63E+08	0.62	0.97	922	9.25E+03	0.546
PCB-83 22'33'5'-PeCB	28.32		1.0148	1.0147	-0.2	6.58E+06	0.60	0.68	53.5	9.25E+03	0.783
PCB-99 22'44'5'-PeCB	28.43		1.0185	1.0185	0	7.53E+07	0.62	0.96	430	9.25E+03	0.551
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.14	ND	9.25E+03	0.465
PCB-108/119/86/97/125...-PeCB	28.88	C	1.0339	1.0348	+1.6	1.07E+08	0.62	0.98	600	9.25E+03	0.54
PCB-117 234'56'-PeCB	29.38		1.0526	1.0527	+0.2	4.59E+06	0.60	0.89	28.3	9.25E+03	0.594
PCB-116/85 23456'/22'344'-PeCB	29.45	C	1.0553	1.0552	-0.2	2.58E+07	0.62	1.06	133	9.25E+03	0.497
PCB-110 233'4'6'-PeCB	29.59		1.0599	1.0599	0	2.08E+08	0.62	1.01	1,130	9.25E+03	0.525
PCB-115 2344'6'-PeCB	29.68		1.0629	1.0635	+1.1	3.00E+06	0.62	1.23	13.4	9.25E+03	0.431
PCB-82 22'33'4'-PeCB	29.84		1.0693	1.0692	-0.2	1.27E+07	0.63	0.70	99.3	9.25E+03	0.755
PCB-111 233'55'-PeCB	30.21	J	1.0822	1.0824	+0.4	1.66E+05	0.64	1.18	0.774	9.25E+03	0.449
PCB-120 23'455'-PeCB	30.60		1.0962	1.0963	+0.2	7.10E+05	0.63	1.16	3.36	9.25E+03	0.456
PCB-107/124 ...-PeCB	31.55	C	0.9911	0.9913	+0.4	6.99E+06	0.61	1.09	35.1	9.25E+03	0.484
PCB-109 233'46'-PeCB	31.75		0.9974	0.9977	+0.6	1.44E+07	0.62	1.16	68.2	9.25E+03	0.455
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		1.04	ND	9.25E+03	0.51
PCB-122 233'4'5'-PeCB	32.40		1.0093	1.0092	-0.2	2.00E+06	0.61	1.01	11.8	9.25E+03	0.565
PCB-127 33'455'-PeCB	NotFnd		1.0386	-		0.00E+00		1.07	ND	9.25E+03	0.568
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	8.40E+02	0.04
PCB-152 22'3566'-HxCB	27.89	J	1.0056	1.0056	0	1.50E+05	1.27	0.95	0.835	8.40E+02	0.0461
PCB-150 22'34'66'-HxCB	28.04		1.0111	1.0111	0	2.58E+05	1.27	0.98	1.38	8.40E+02	0.0444
PCB-136 22'33'66'-HxCB	28.33		1.0213	1.0213	0	1.94E+07	1.27	0.90	114	8.40E+02	0.0487
PCB-145 22'3466'-HxCB	NotFnd		1.0309	-		0.00E+00		0.92	ND	8.40E+02	0.0476
PCB-148 22'34'56'-HxCB	29.89		1.0774	1.0776	+0.4	1.71E+05	1.39	0.69	1.3	8.40E+02	0.0632
PCB-151/135 ...-HxCB	30.39	C	1.0955	1.0955	0	3.49E+07	1.26	0.67	272	8.40E+02	0.0647
PCB-154 22'44'56'-HxCB	30.60		1.1032	1.1034	+0.4	1.72E+06	1.24	0.78	11.7	8.40E+02	0.0563
PCB-144 22'345'6'-HxCB	30.85		1.1122	1.1124	+0.4	5.43E+06	1.24	0.70	40.9	8.40E+02	0.0625

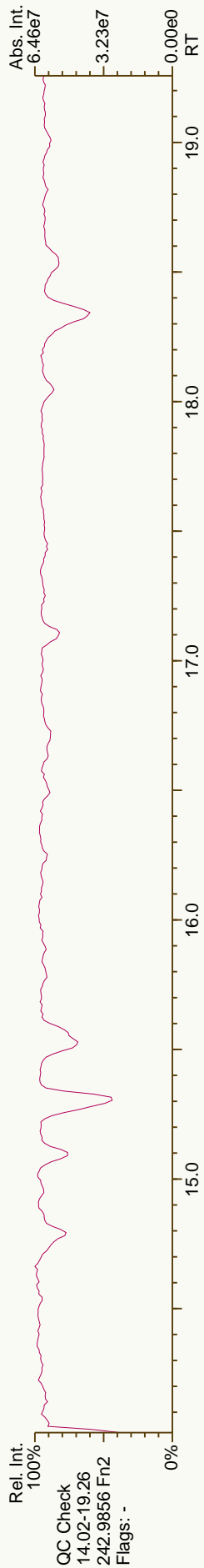
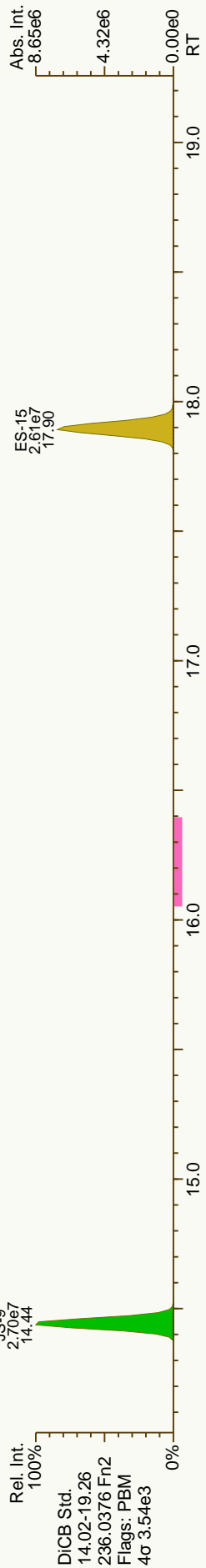
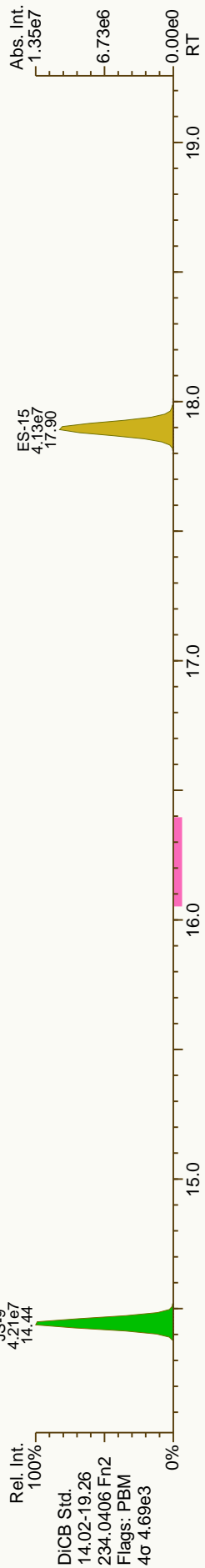
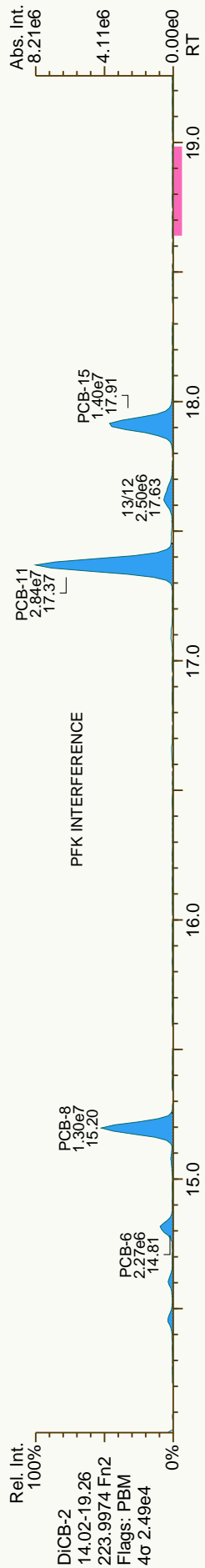
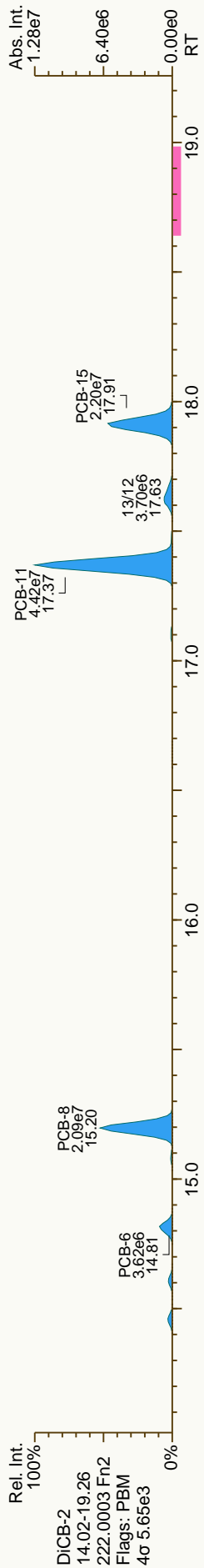
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc./ Recv.	Noise/ Recv. Low	DL/ Recv. High
PCB-147/149 ...-HxCB	31.14	C	1.1230	1.1229	-0.2	9.43E+07	1.25	0.70	708	8.40E+02	0.0623
PCB-134 22'33'56'-HxCB	31.31		1.1286	1.1288	+0.4	5.86E+06	1.27	0.54	56.6	8.40E+02	0.0801
PCB-143 22'3456'-HxCB	31.40		1.1315	1.1320	+0.9	3.83E+05	1.24	0.68	2.95	8.40E+02	0.064
PCB-139/140 ...-HxCB	31.66	C	1.1413	1.1413	0	2.62E+06	1.28	0.71	19.4	8.40E+02	0.0614
PCB-131 22'33'46'-HxCB	31.82		1.1470	1.1471	+0.2	1.59E+06	1.27	0.60	13.9	8.40E+02	0.0724
PCB-142 22'3456'-HxCB	NotFnd		1.1518	-		0.00E+00		0.61	ND	8.40E+02	0.072
PCB-132 22'33'46'-HxCB	32.19		1.1605	1.1606	+0.2	3.97E+07	1.25	0.63	333	8.40E+02	0.0695
PCB-133 22'33'55'-HxCB	32.64		1.1765	1.1769	+0.8	1.91E+06	1.24	0.64	15.7	8.40E+02	0.0683
PCB-165 233'55'6'-HxCB	NotFnd		0.9500	-		0.00E+00		0.81	ND	8.40E+02	0.0541
PCB-146 22'34'55'-HxCB	33.18		0.9560	0.9557	-0.6	1.50E+07	1.27	0.72	109	8.40E+02	0.0603
PCB-161 233'45'6'-HxCB	NotFnd		0.9593	-		0.00E+00		0.89	ND	8.40E+02	0.0493
PCB-153/168 ...-HxCB	33.71	C	0.9715	0.9708	-1.4	1.37E+08	1.26	0.93	773	8.40E+02	0.0469
PCB-141 22'3455'-HxCB	33.86		0.9753	0.9752	-0.2	2.25E+07	1.25	0.67	177	8.40E+02	0.0654
PCB-130 22'33'45'-HxCB	34.20		0.9850	0.9850	0	8.22E+06	1.25	0.59	73.9	8.40E+02	0.0745
PCB-137 22'344'5'-HxCB	34.39		0.9906	0.9905	-0.2	6.50E+06	1.28	0.66	52	8.40E+02	0.0664
PCB-164 233'4'5'6'-HxCB	34.47		0.9931	0.9930	-0.2	1.24E+07	1.26	0.95	68.2	8.40E+02	0.0458
PCB-163/138/129 ...-HxCB	34.74	C	1.0012	1.0007	-1.0	1.61E+08	1.25	0.73	1,170	8.40E+02	0.06
PCB-160 233'456'-HxCB	NotFnd		1.0048	-		0.00E+00		0.83	ND	8.40E+02	0.0525
PCB-158 233'44'6'-HxCB	35.07		1.0103	1.0103	0	2.06E+07	1.25	0.95	114	8.40E+02	0.046
PCB-128/166 ...-HxCB	35.79	C	0.9607	0.9605	-0.4	2.51E+07	1.22	0.88	186	3.47E+03	0.276
PCB-159 233'455'-HxCB	NotFnd		0.9834	-		0.00E+00		1.02	ND	3.47E+03	0.239
PCB-162 233'4'55'-HxCB	36.88		0.9898	0.9897	-0.2	6.32E+05	1.21	1.06	3.91	3.47E+03	0.23
PCB-188 22'34'566'-HxCB	32.57	J	1.0006	1.0007	+0.2	6.12E+04	1.08	1.03	0.4	9.73E+02	0.0676
PCB-179 22'33'566'-HxCB	32.83		1.0088	1.0087	-0.2	1.09E+07	1.04	0.91	80.3	9.73E+02	0.0766
PCB-184 22'344'66'-HxCB	33.31	J EMPC	1.0231	1.0234	+0.6	3.14E+04	1.28	0.91	0.232	9.73E+02	0.0765
PCB-176 22'33'466'-HxCB	33.58		1.0317	1.0317	0	3.17E+06	1.02	1.00	21.3	9.73E+02	0.0697
PCB-186 22'34566'-HxCB	NotFnd		1.0434	-		0.00E+00		0.94	ND	9.73E+02	0.0741
PCB-178 22'33'55'6'-HxCB	35.13		1.0791	1.0793	+0.4	4.13E+06	1.08	0.68	40.9	9.73E+02	0.103
PCB-175 22'33'45'6'-HxCB	35.66		1.0956	1.0958	+0.4	9.31E+05	1.11	0.77	8.14	2.94E+03	0.274
PCB-187 22'34'55'6'-HxCB	35.89		1.1026	1.1028	+0.4	2.87E+07	1.04	0.83	235	2.94E+03	0.256
PCB-182 22'344'56'-HxCB	36.07		1.1079	1.1082	+0.6	1.89E+05	0.99	0.86	1.49	2.94E+03	0.247
PCB-183 22'344'5'6'-HxCB	36.41		1.1185	1.1186	+0.2	1.33E+07	1.04	0.90	99.9	2.94E+03	0.235
PCB-185 22'3455'6'-HxCB	36.48		1.1208	1.1207	-0.2	2.24E+06	1.07	0.79	19.2	2.94E+03	0.269
PCB-174 22'33'456'-HxCB	36.59		1.1240	1.1241	+0.2	2.02E+07	1.06	0.72	189	2.94E+03	0.294
PCB-177 22'33'45'6'-HxCB	36.96		1.1353	1.1355	+0.4	1.25E+07	1.05	0.70	122	2.94E+03	0.304
PCB-181 22'344'56'-HxCB	37.30		1.1459	1.1462	+0.7	2.60E+05	1.14	0.81	2.17	2.94E+03	0.261
PCB-171/173 ...-HxCB	37.49	C	1.1512	1.1519	+1.6	6.41E+06	1.06	0.71	61.2	2.94E+03	0.299
PCB-172 22'33'455'-HxCB	38.87		0.9026	0.9026	0	3.14E+06	1.02	0.71	31.8	2.94E+03	0.335
PCB-192 233'455'6'-HxCB	NotFnd		0.9083	-		0.00E+00		0.93	ND	2.94E+03	0.254
PCB-180/193 ...-HxCB	39.41	C	0.9146	0.9153	+1.7	5.06E+07	1.04	0.90	401	2.94E+03	0.262
PCB-191 233'44'5'6'-HxCB	39.71		0.9222	0.9221	-0.2	1.14E+06	1.02	0.97	8.45	2.94E+03	0.245
PCB-170 22'33'44'5'-HxCB	40.46		0.9396	0.9395	-0.2	2.08E+07	1.05	0.72	205	2.94E+03	0.327
PCB-190 233'44'56'-HxCB	40.91		0.9500	0.9500	0	5.25E+06	1.06	0.97	38.7	2.94E+03	0.244
PCB-202 22'33'55'66'-OCCB	37.07		1.0006	1.0006	0	2.41E+06	0.91	0.91	20.9	9.69E+02	0.0981
PCB-201 22'33'45'66'-OCCB	37.85		1.0215	1.0216	+0.2	1.39E+06	0.92	0.98	11.2	9.69E+02	0.0913

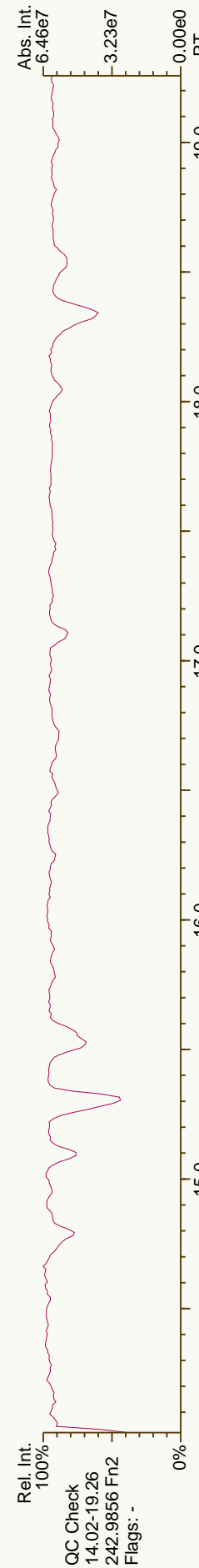
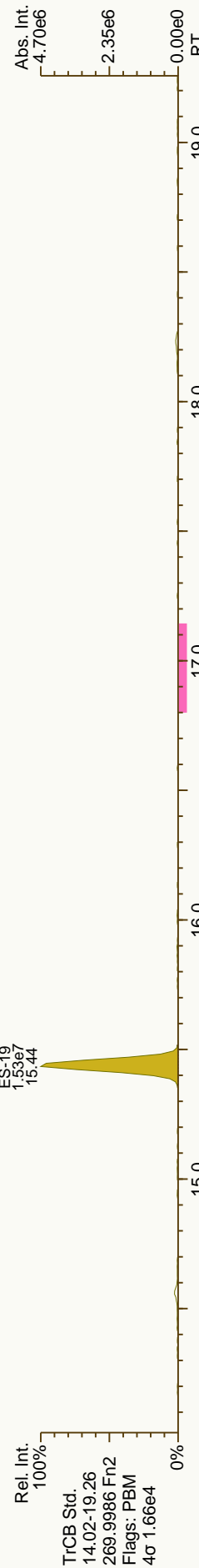
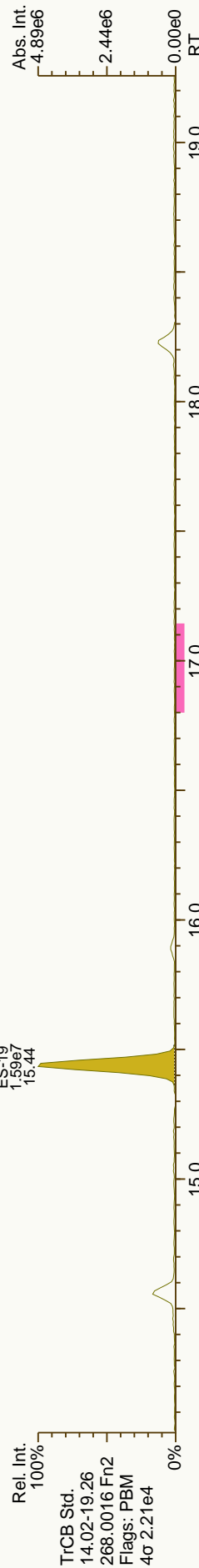
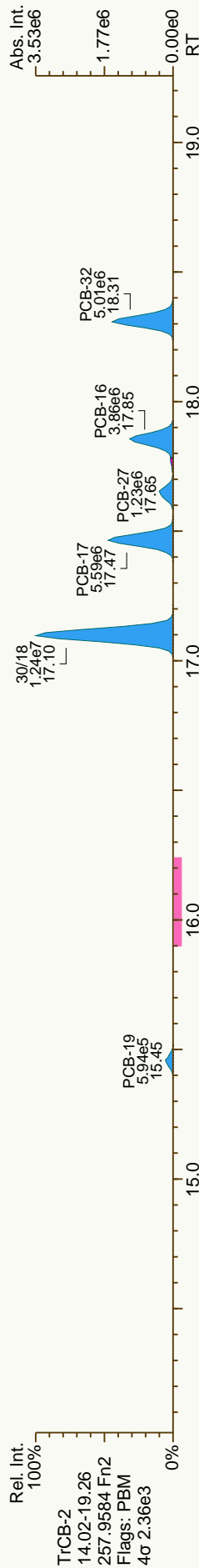
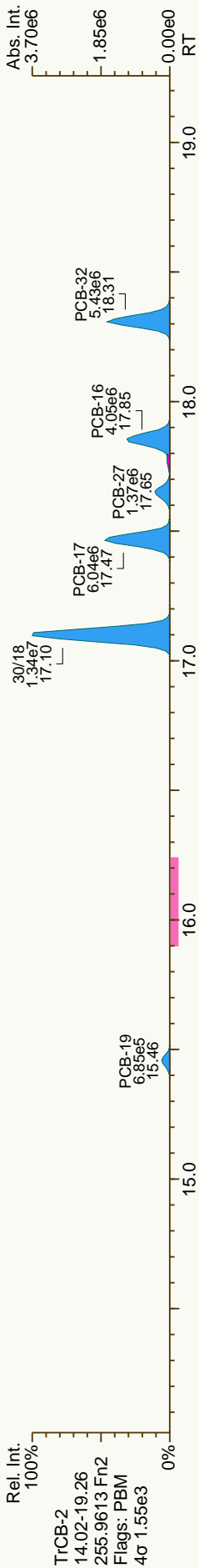
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204	22'344'566'-OCCB	NotFnd	1.0369	-		0.00E+00	0.84	0.93	ND	9.69E+02	0.0963
PCB-197	22'33'44'66'-OCCB		1.0420	1.0420	0	3.75E+05	0.84	1.02	2.91	9.69E+02	0.0878
PCB-200	22'33'4566'-OCCB		1.0441	1.0439	-0.5	7.24E+05	0.89	0.93	6.19	9.69E+02	0.0967
PCB-198/199	...-OCCB	C	1.1072	1.1081	+2.2	8.71E+06	0.89	0.67	103	9.69E+02	0.134
PCB-196	22'33'44'56'-OCCB		1.1225	1.1230	+1.2	3.68E+06	0.90	0.70	41.9	9.69E+02	0.129
PCB-203	22'344'55'6-OCCB		1.1270	1.1275	+1.3	5.62E+06	0.89	0.73	60.9	9.69E+02	0.123
PCB-195	22'33'44'56-OCCB		0.9483	0.9480	-0.8	2.69E+06	0.90	0.75	29	1.33E+03	0.16
PCB-194	22'33'44'55'-OCCB		0.9917	0.9917	0	7.87E+06	0.91	0.81	79.1	1.33E+03	0.149
PCB-205	233'44'55'6-OCCB		1.0004	1.0004	0	4.61E+05	0.94	1.09	3.43	1.33E+03	0.111
PCB-208	22'33'455'66'-NoCB		1.0005	1.0005	0	1.28E+06	0.78	1.02	11	9.18E+02	0.101
PCB-207	22'33'44'566'-NoCB		1.0188	1.0187	-0.3	5.32E+05	0.78	0.94	4.99	9.18E+02	0.11
PCB-206	22'33'44'55'6-NoCB		1.0004	1.0003	-0.3	3.26E+06	0.77	0.98	35.1	9.18E+02	0.132

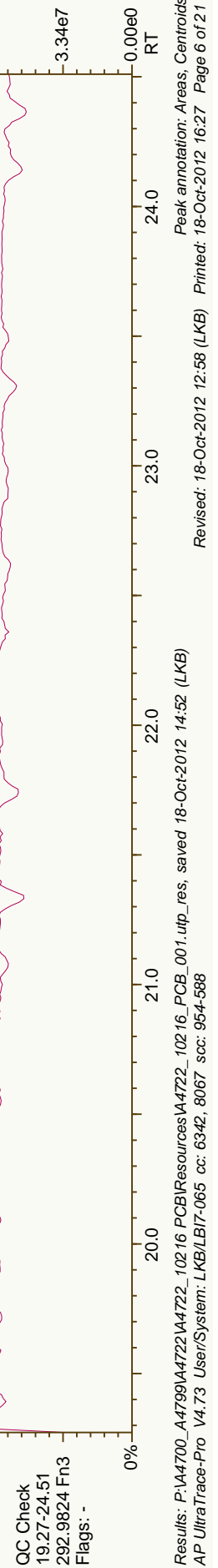
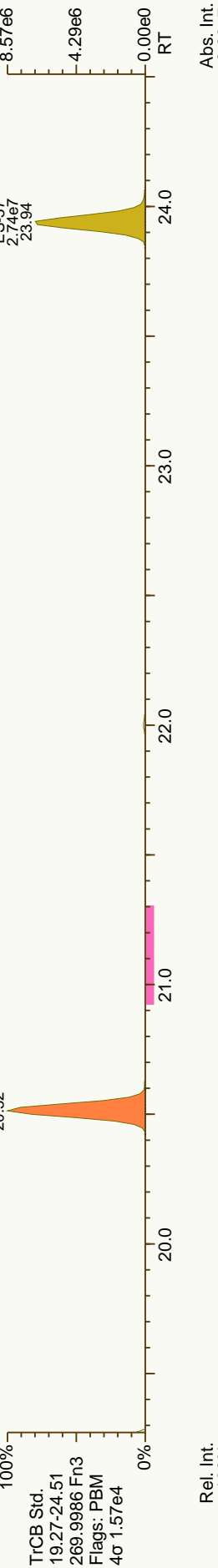
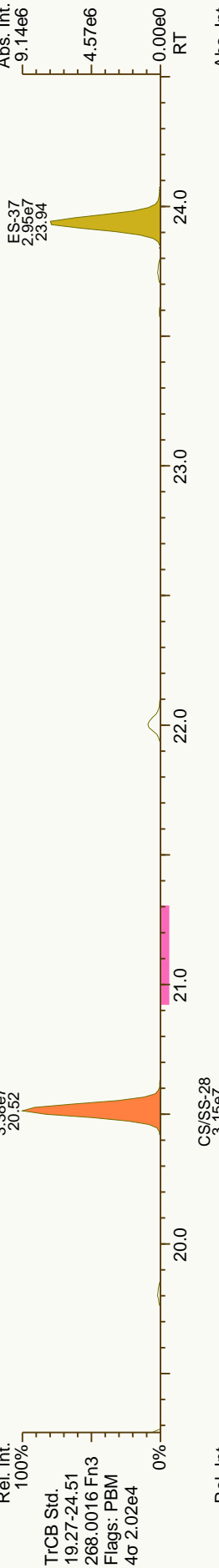
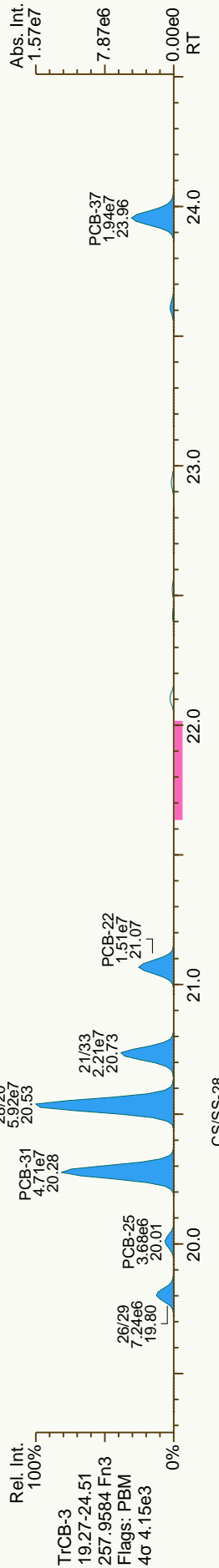
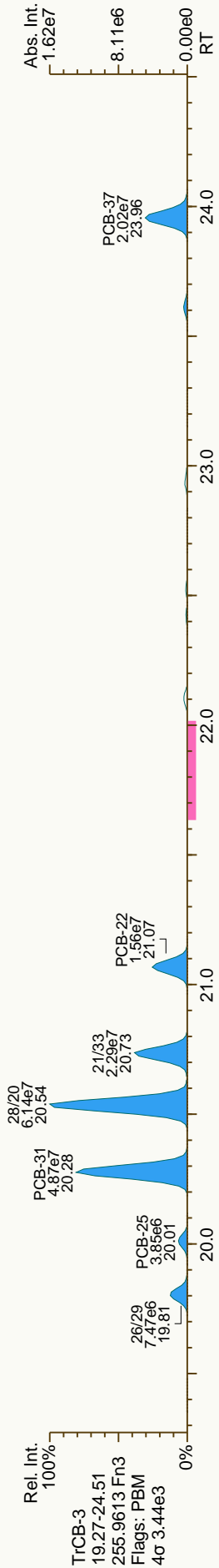


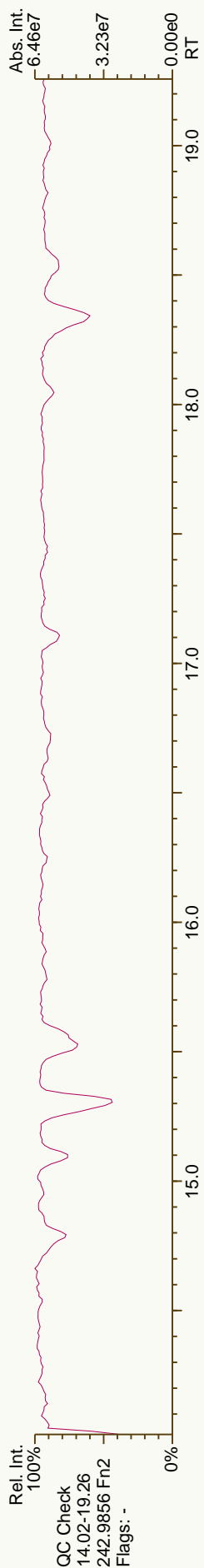
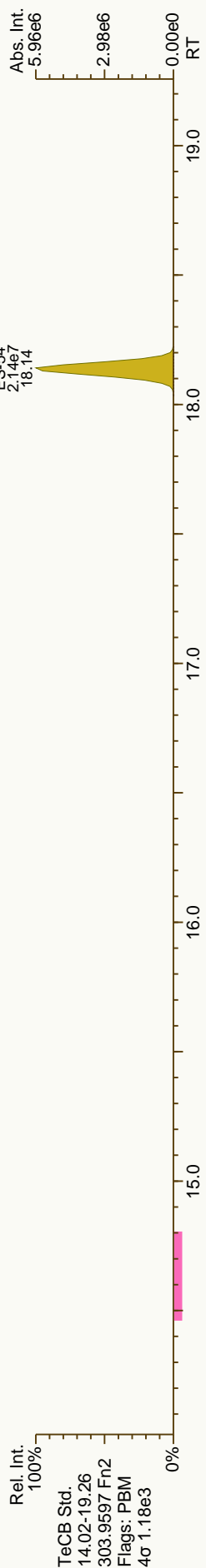
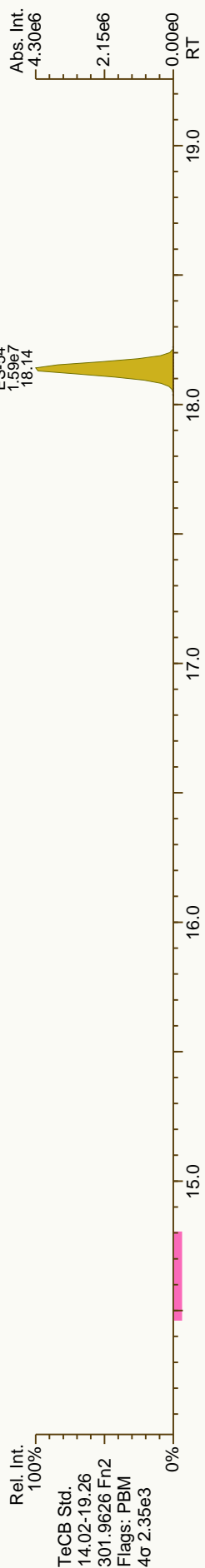
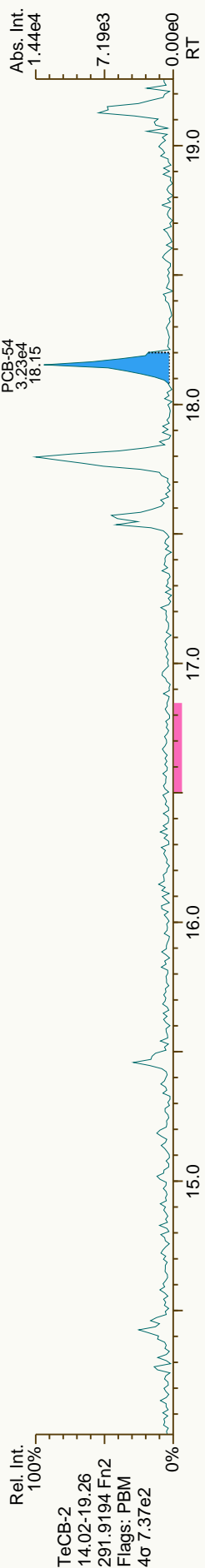
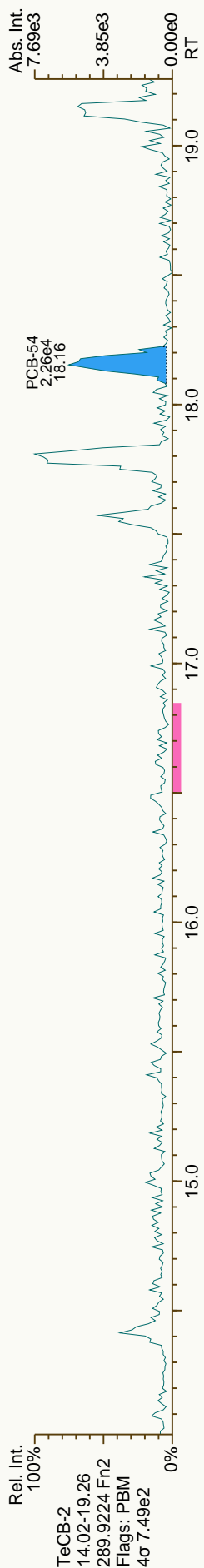


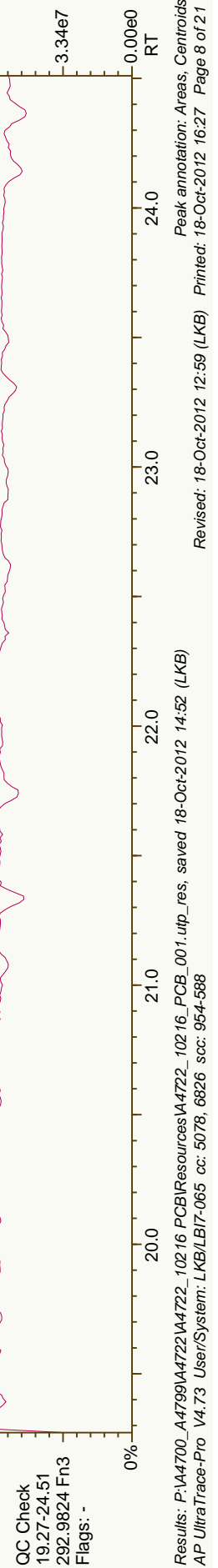
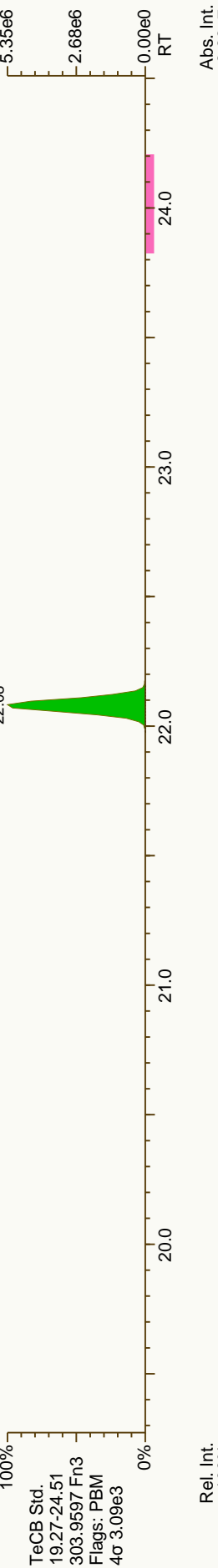
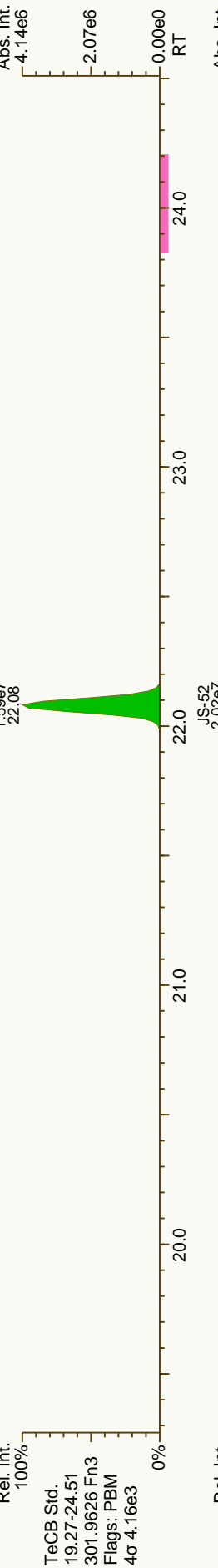
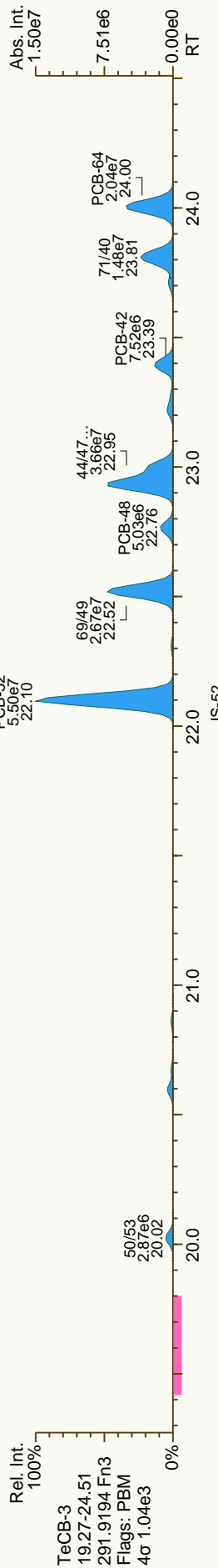
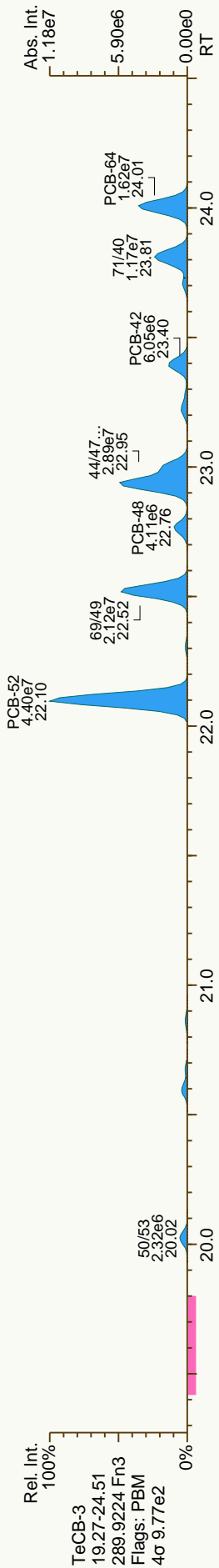


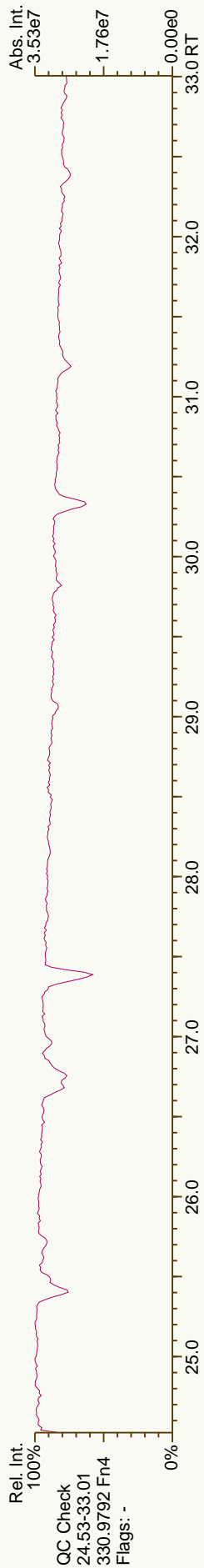
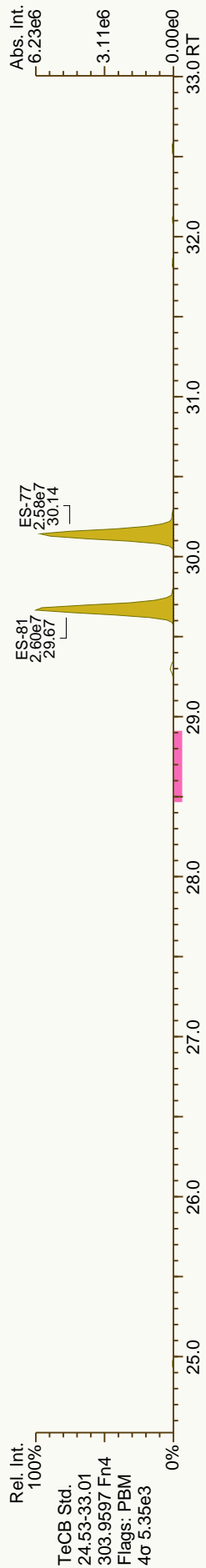
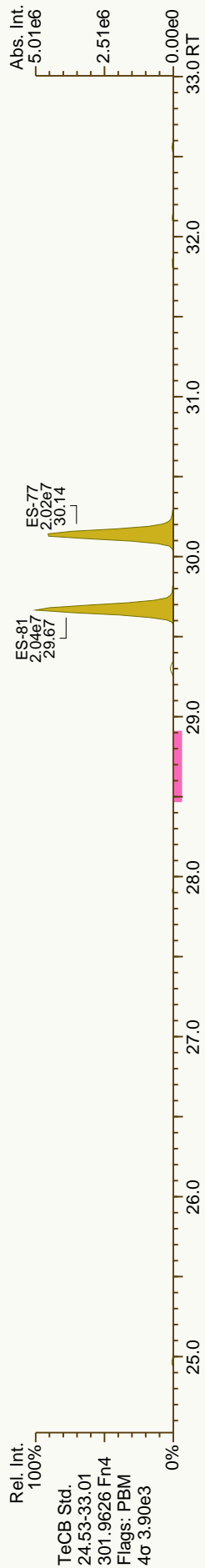
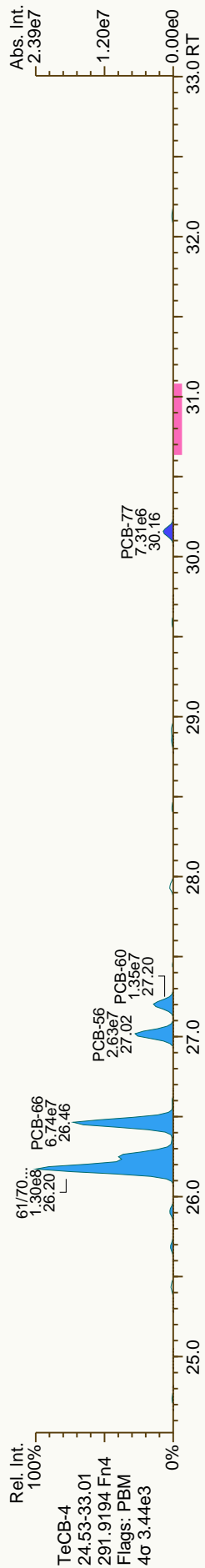
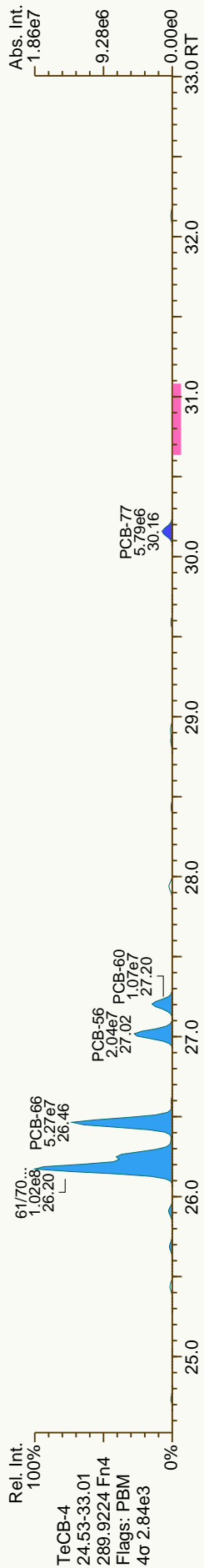


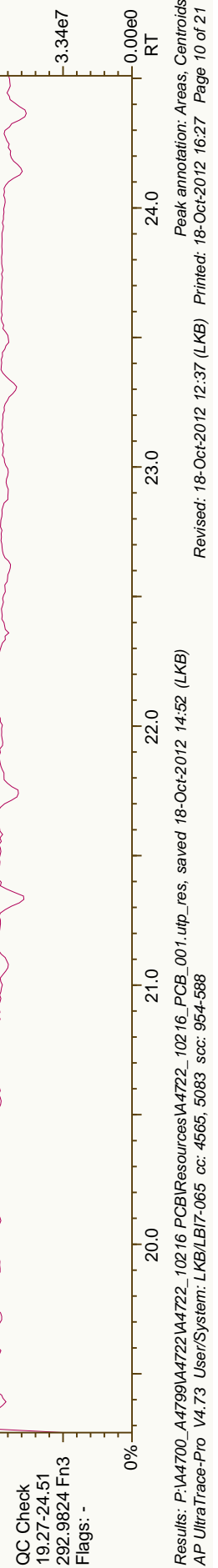
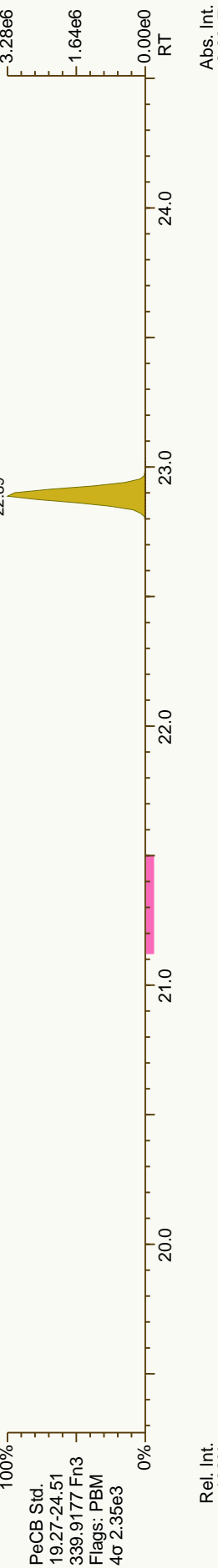
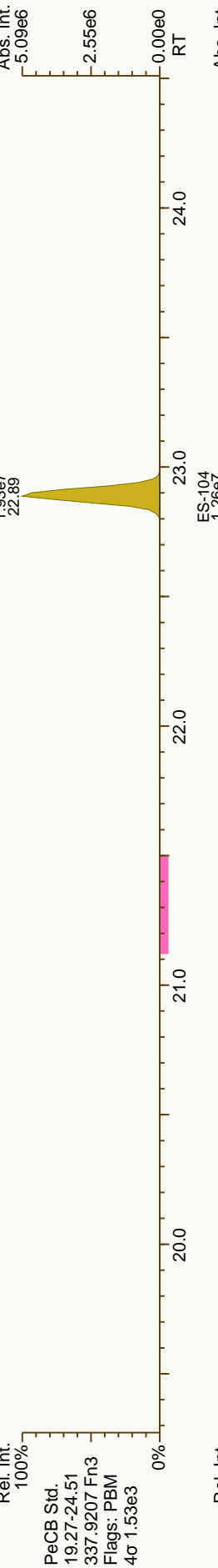
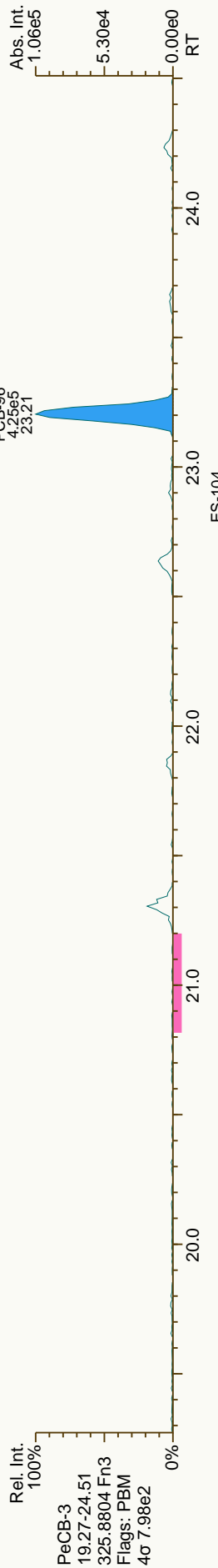
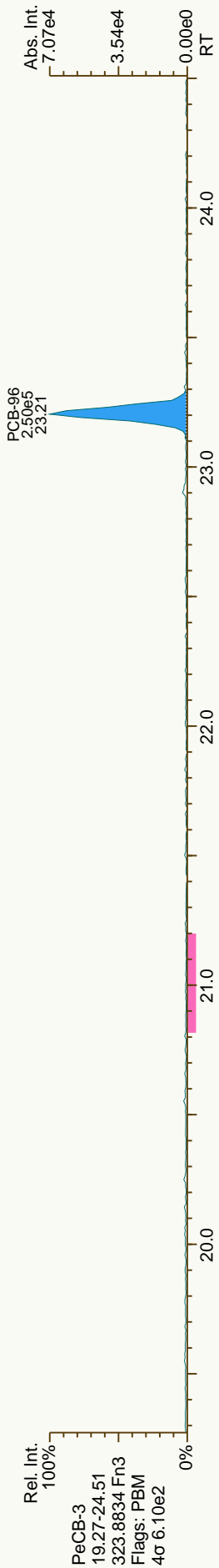


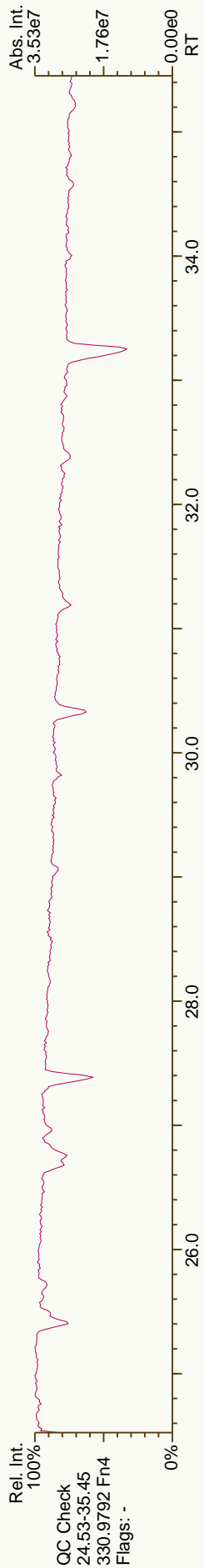
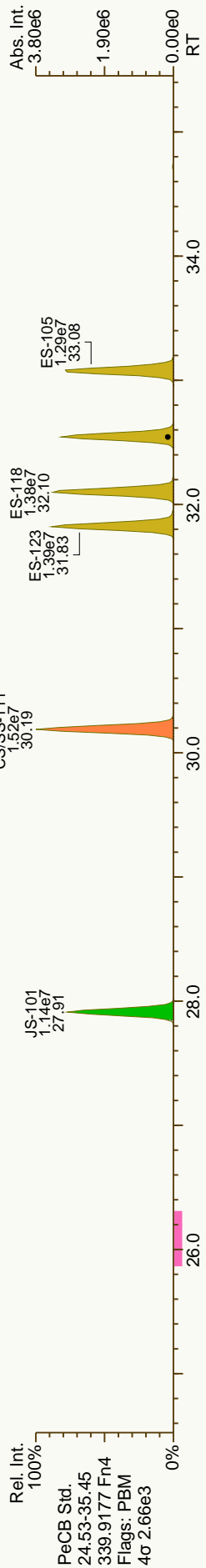
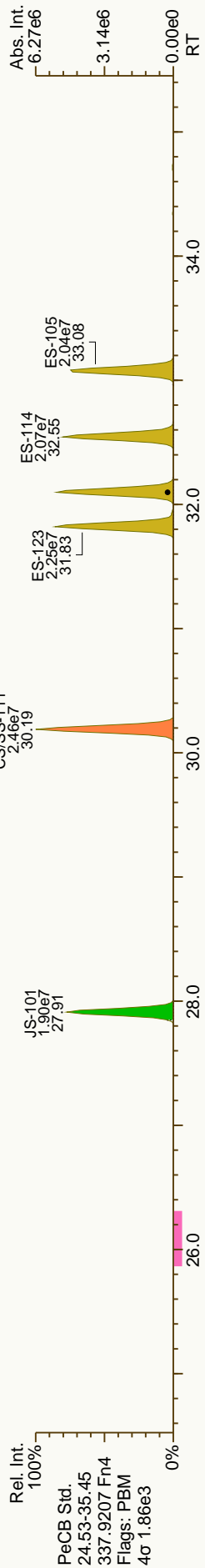
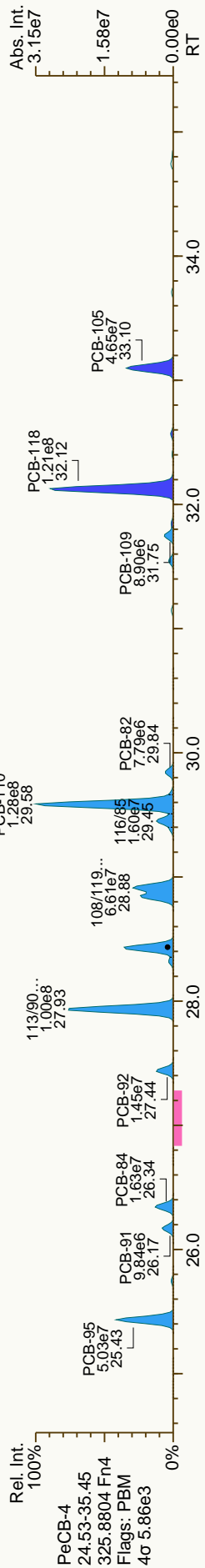
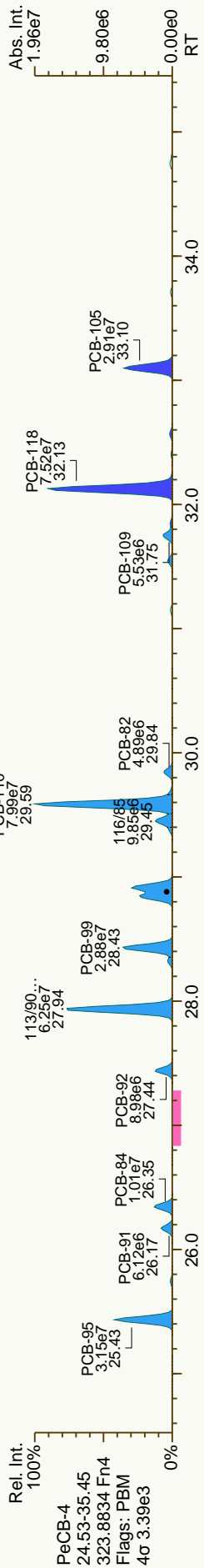


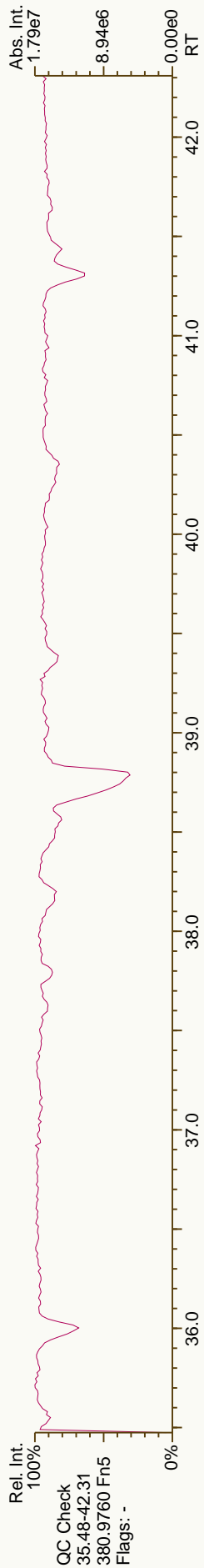
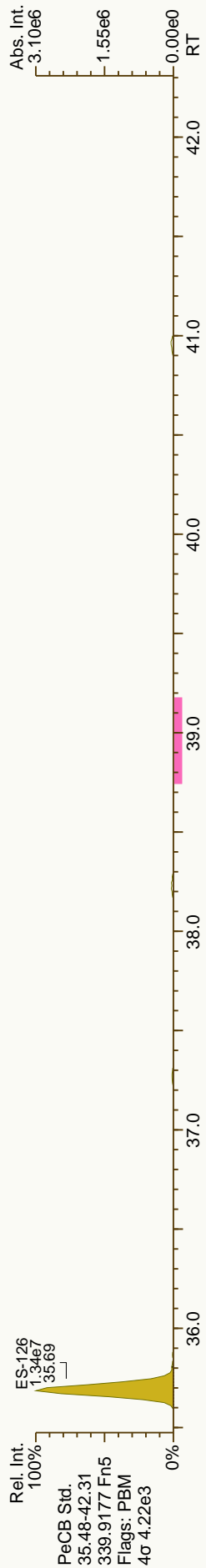
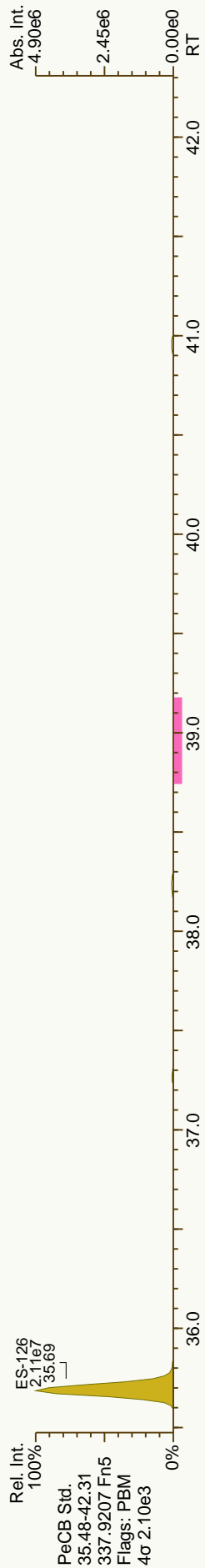
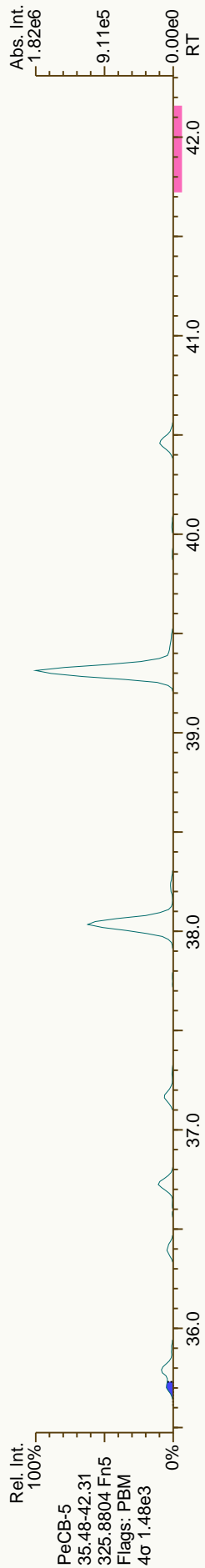
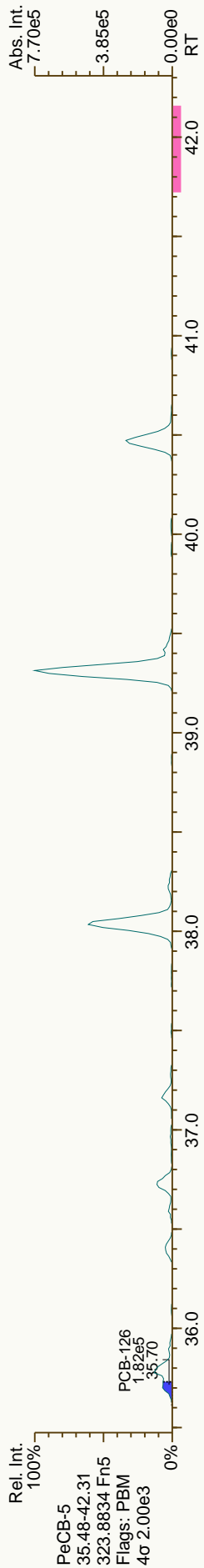


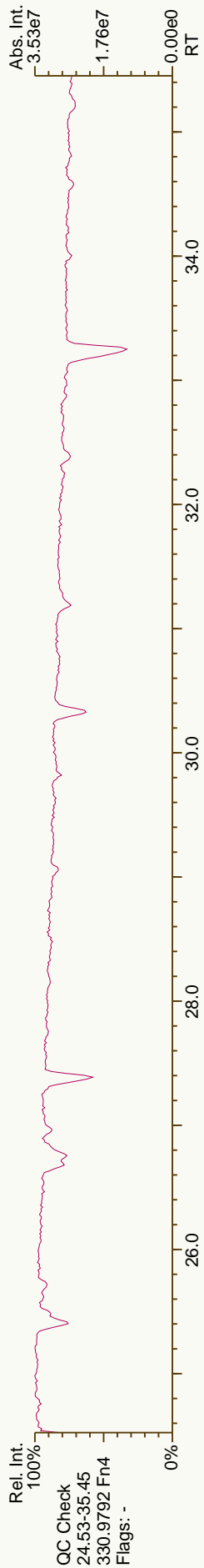
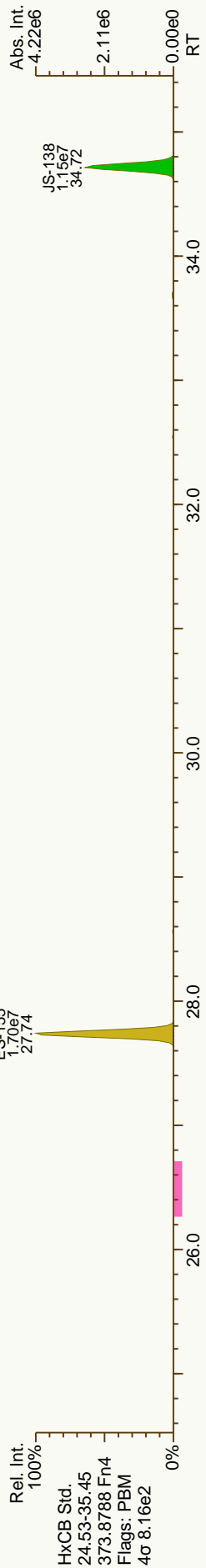
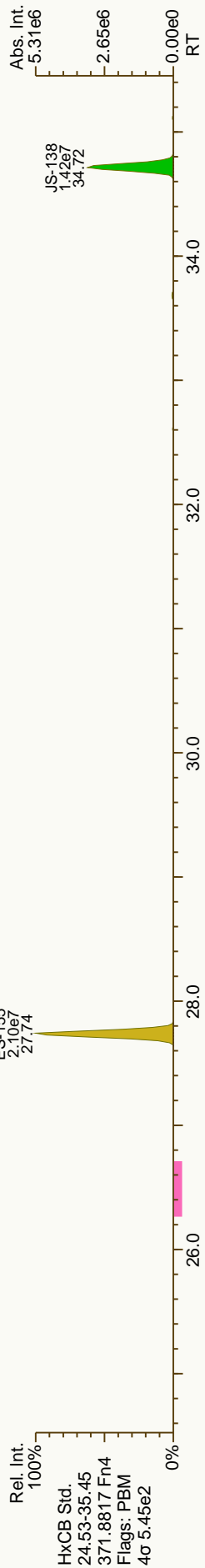
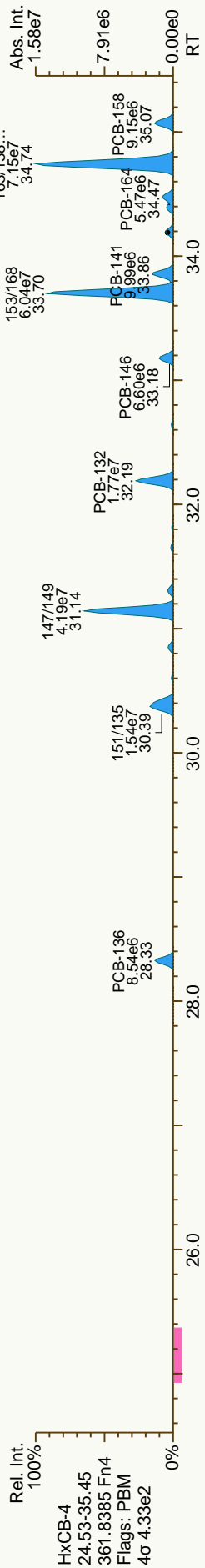
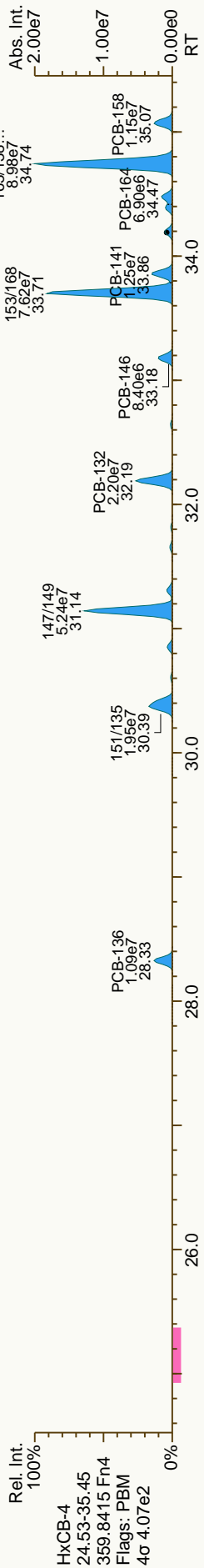


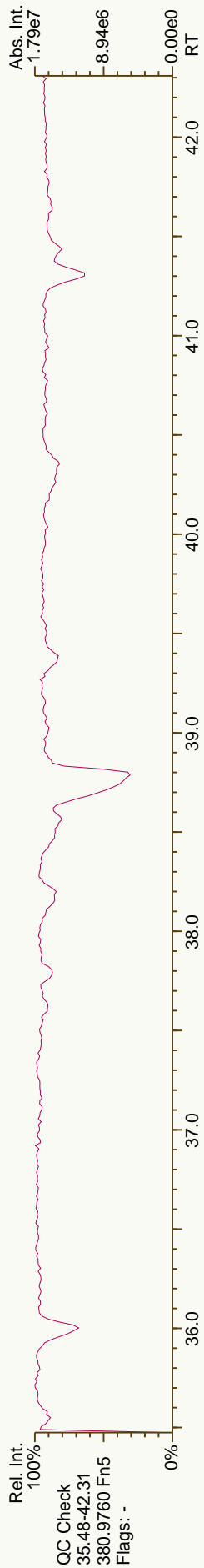
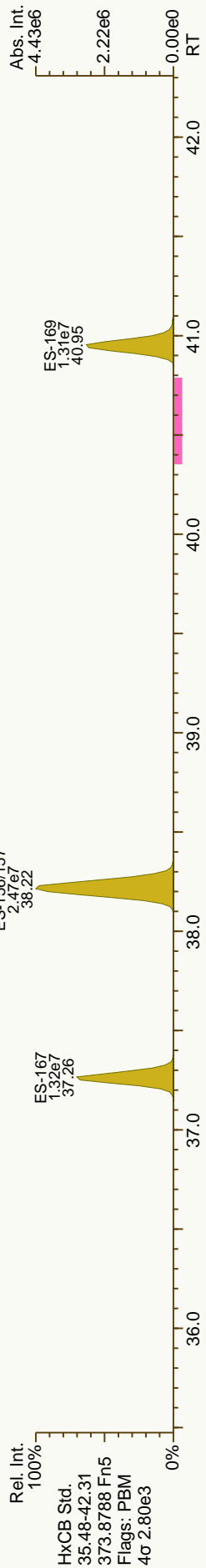
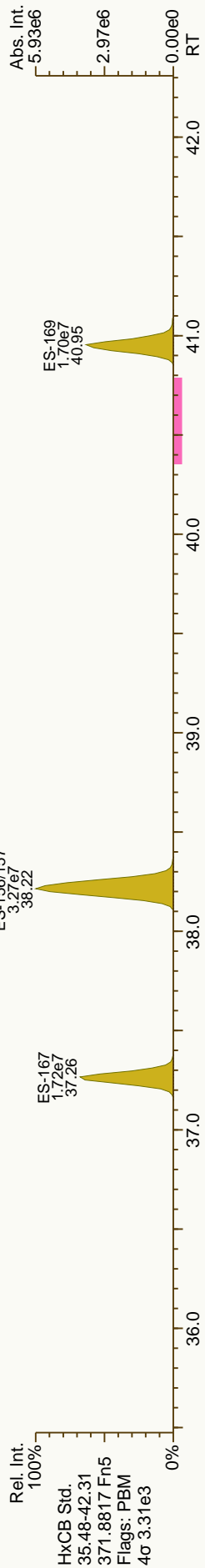
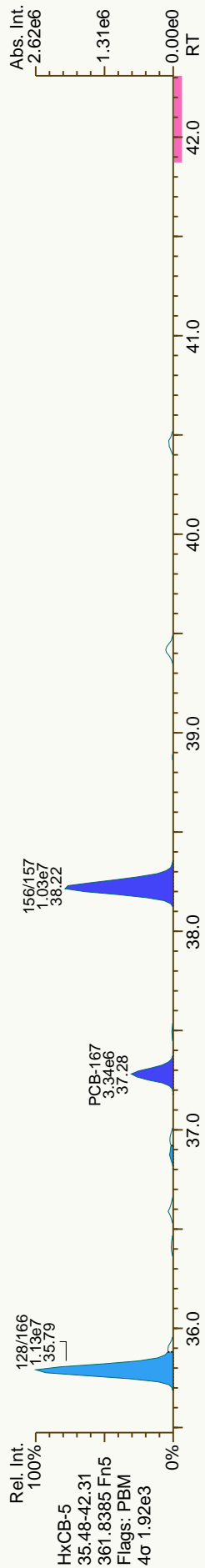
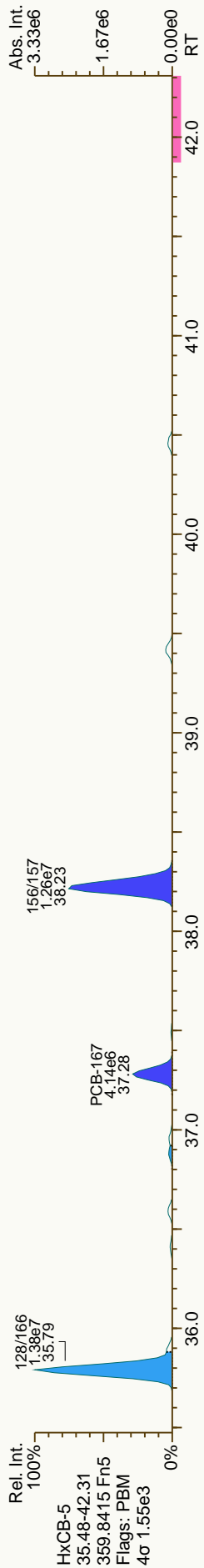


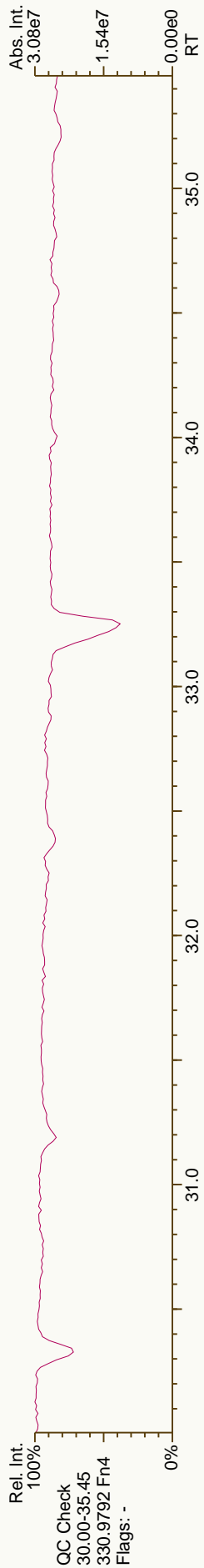
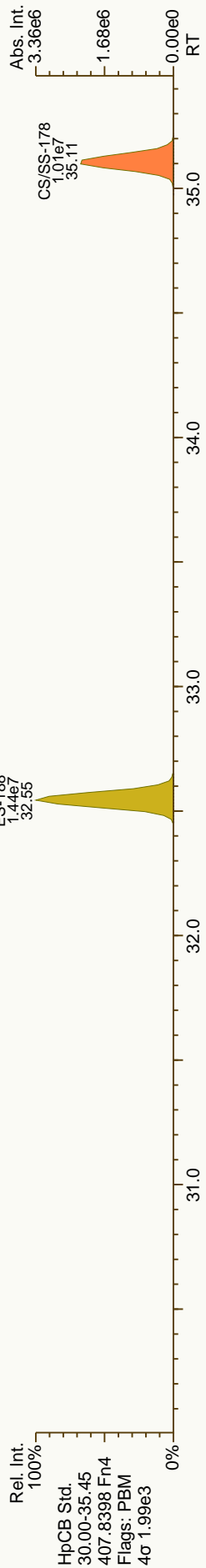
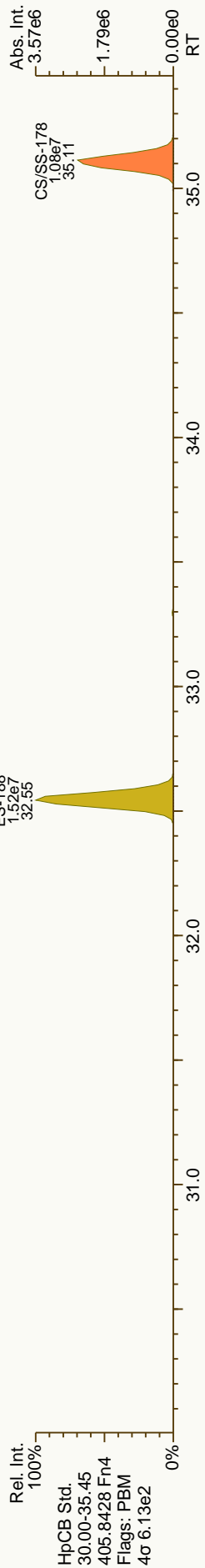
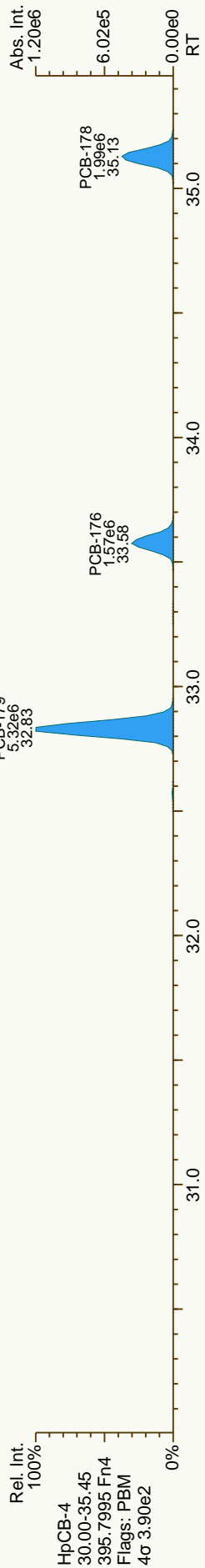
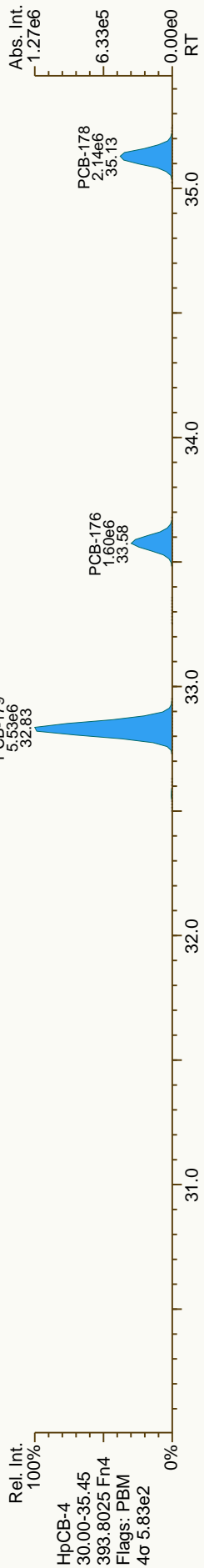


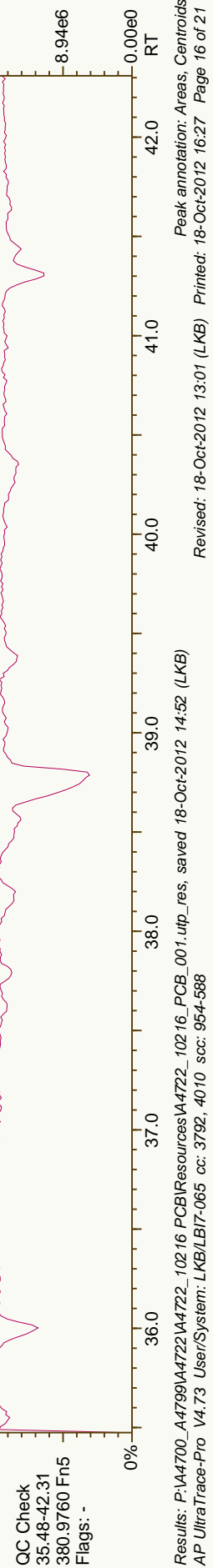
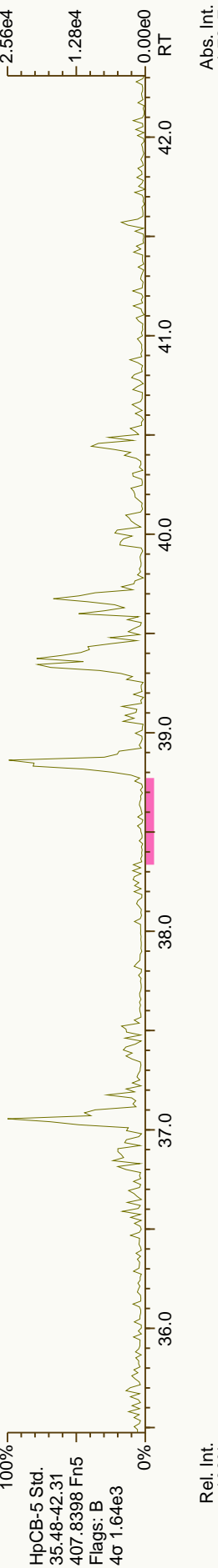
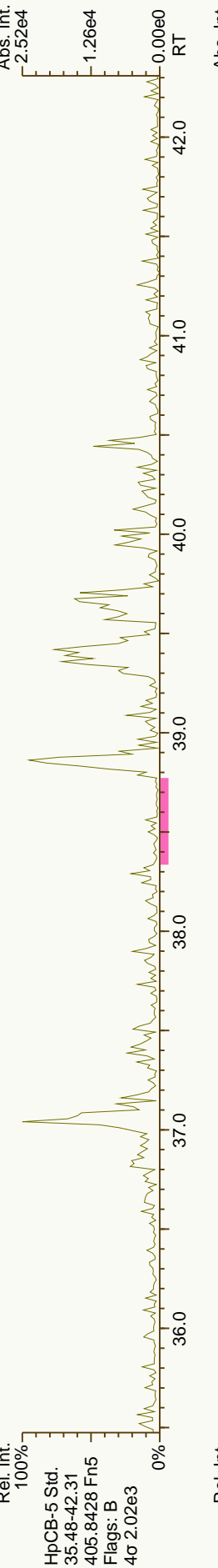
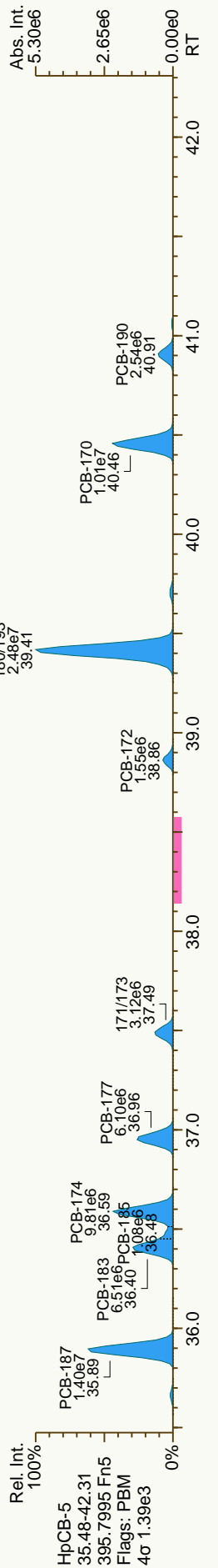
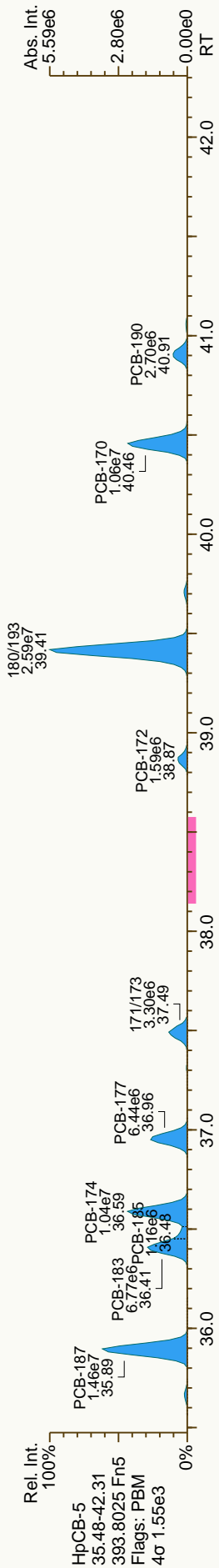


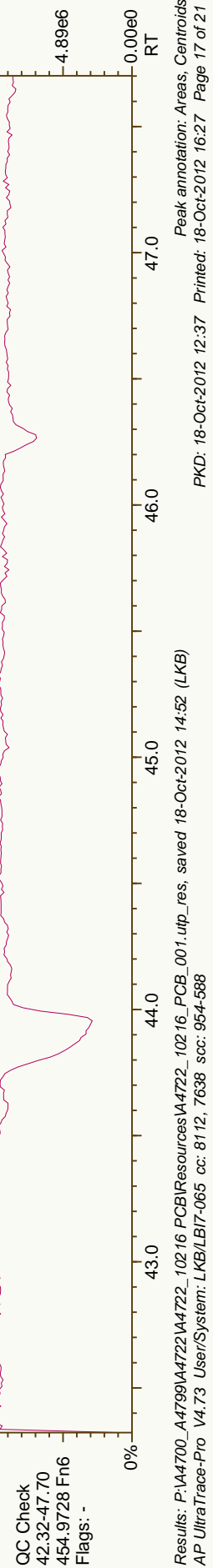
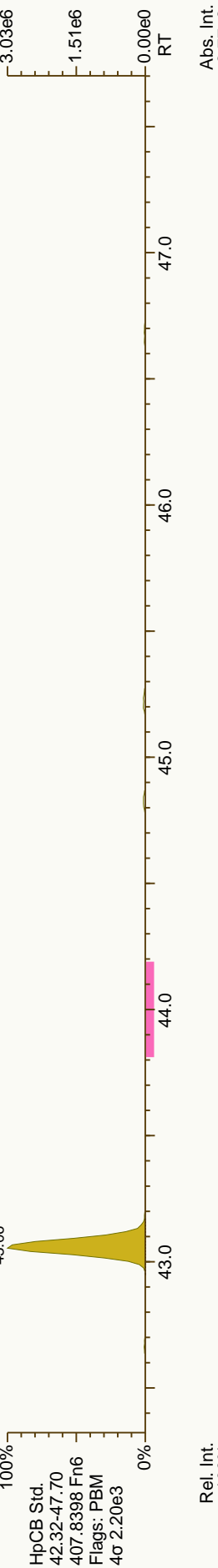
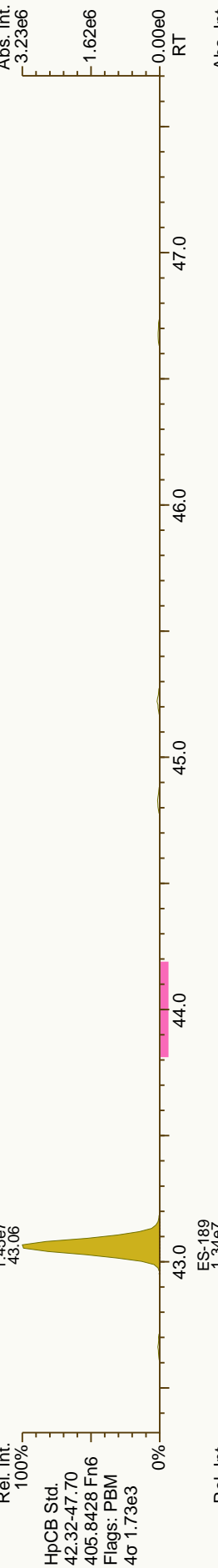
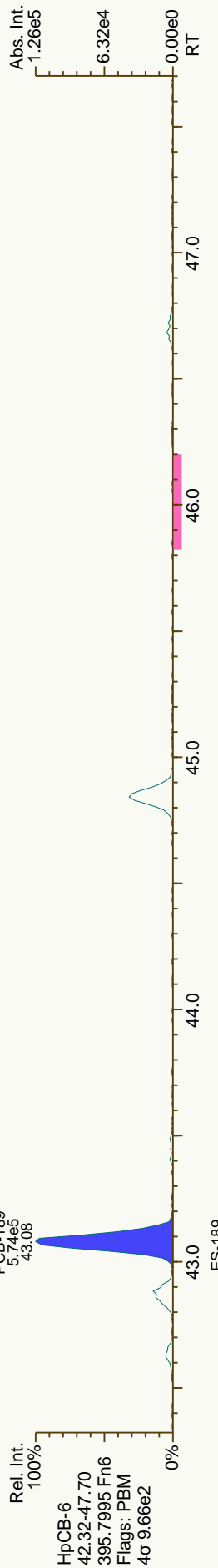
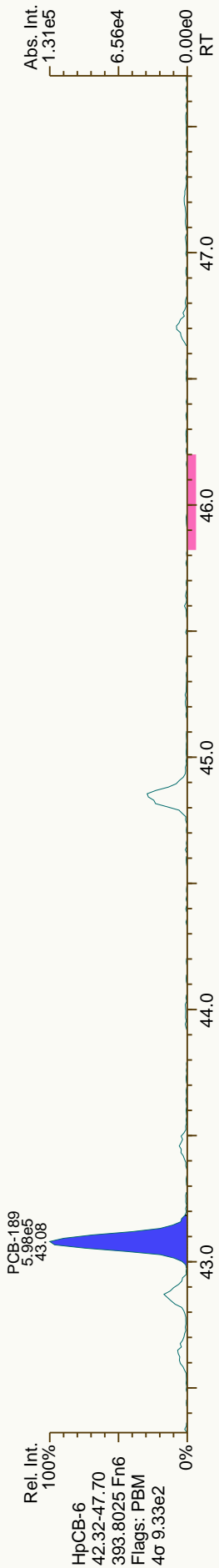


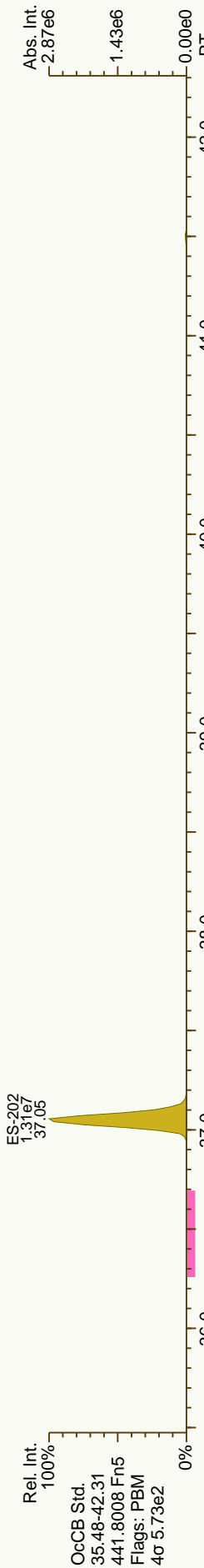
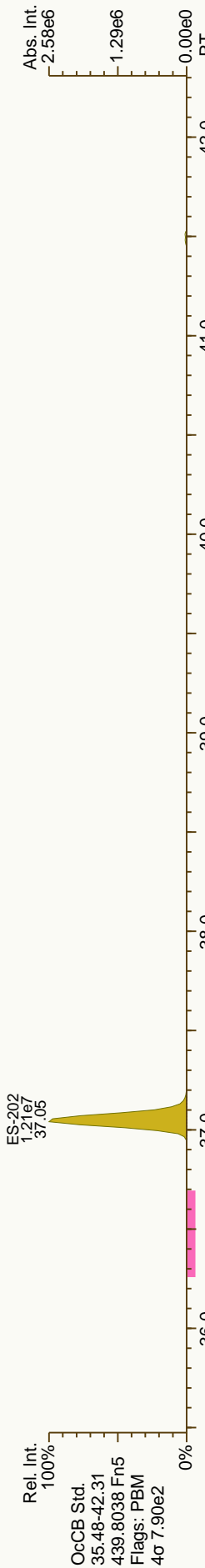
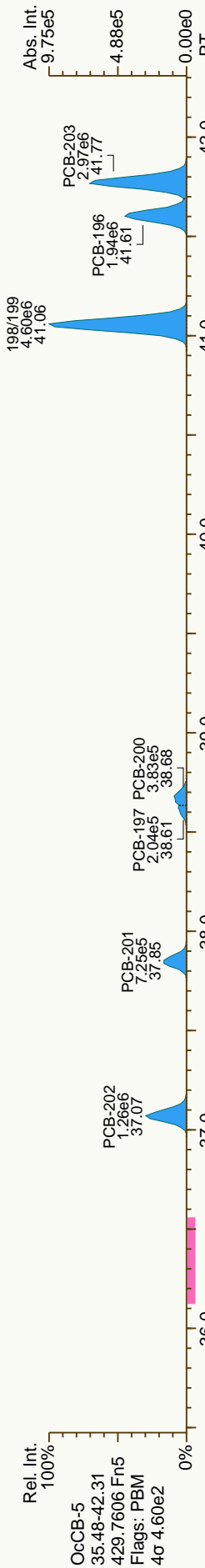
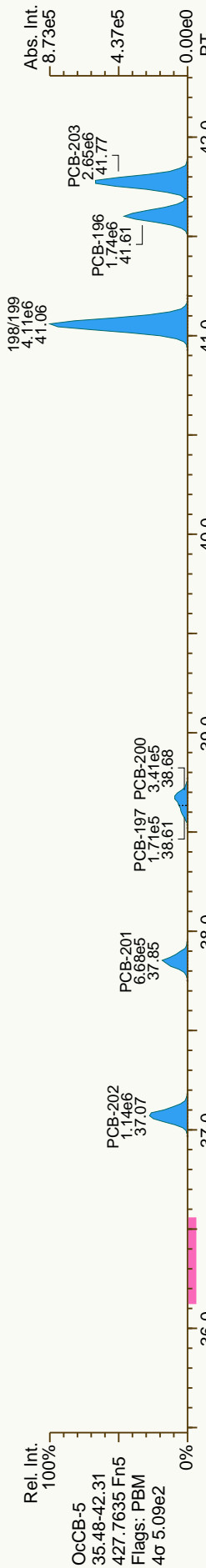


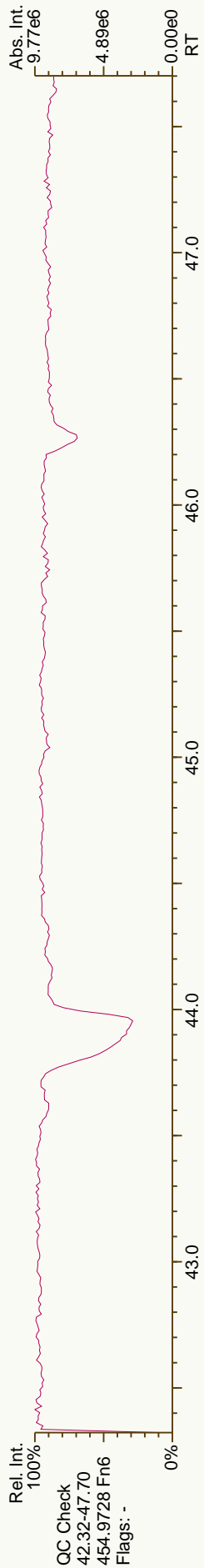
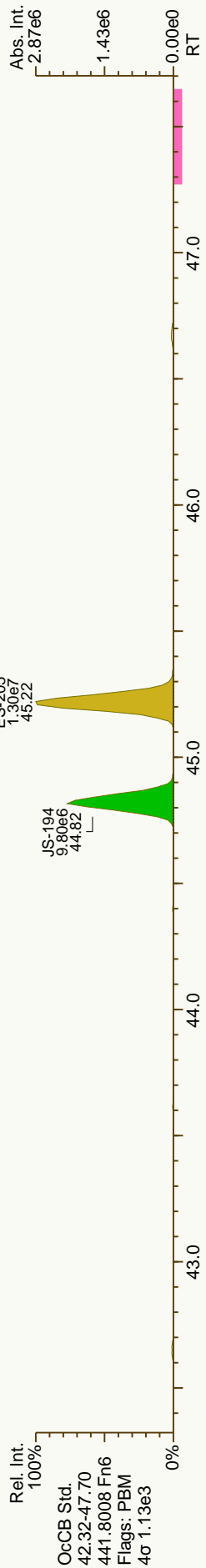
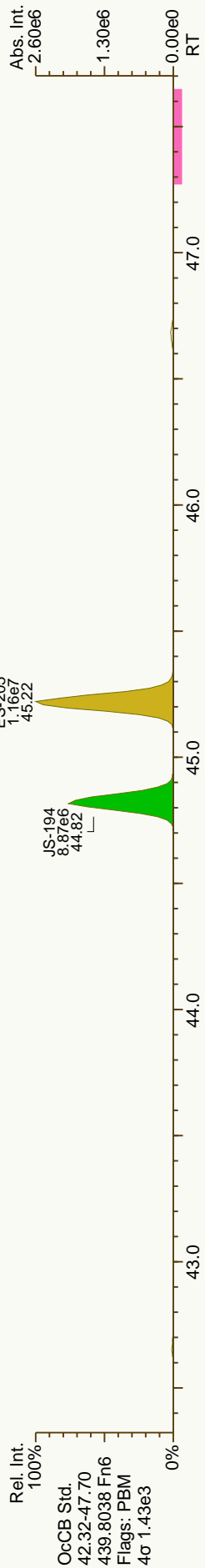
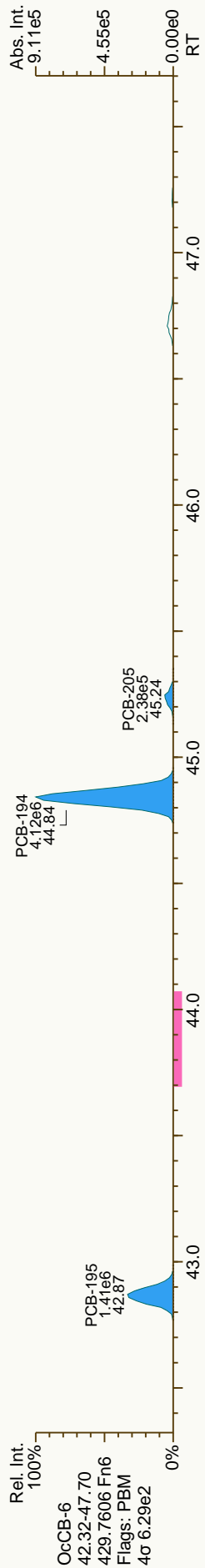
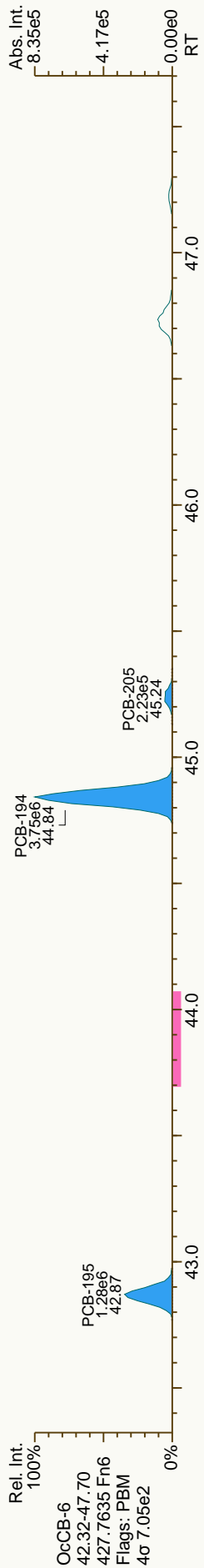


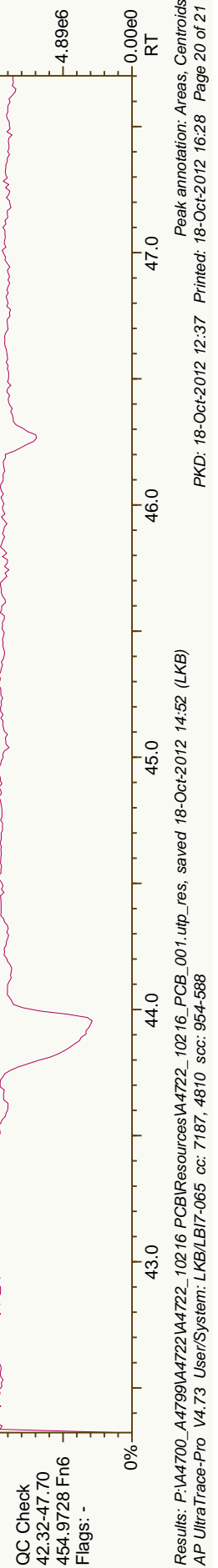
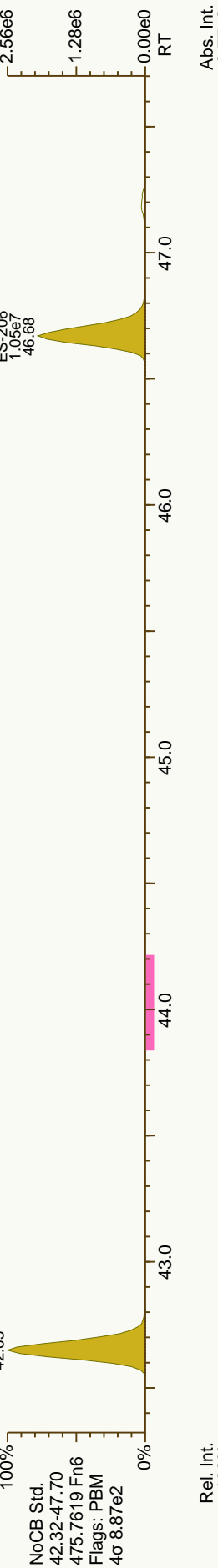
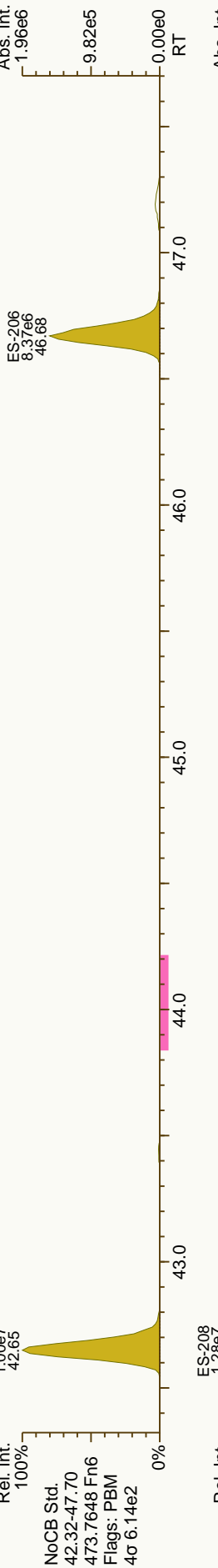
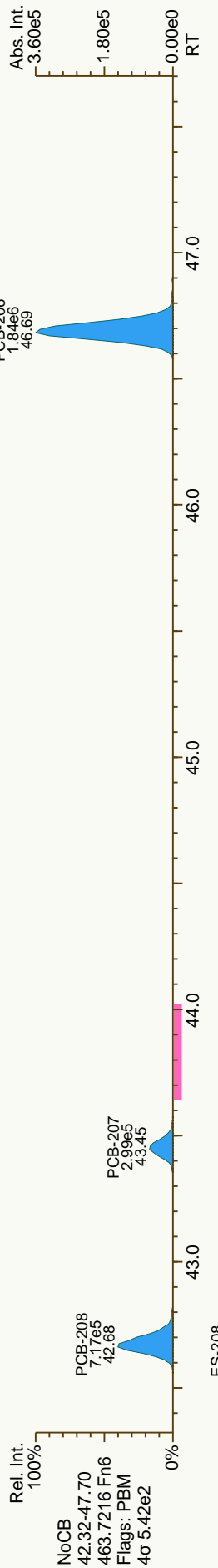
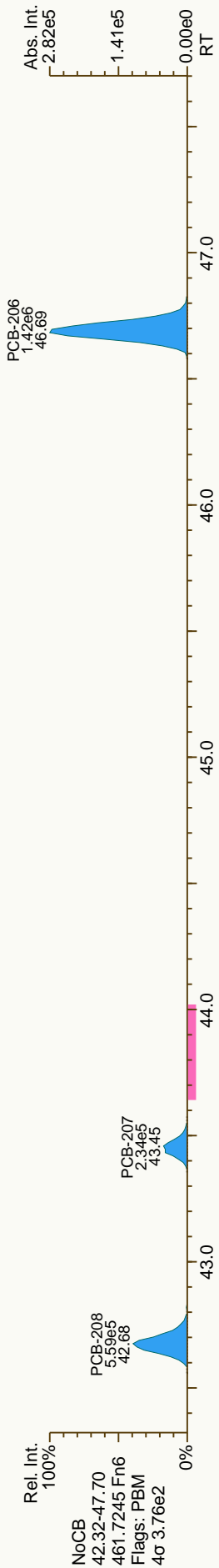


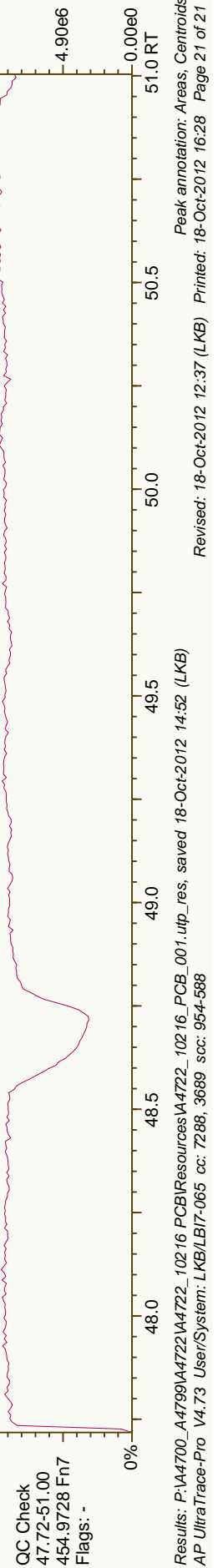
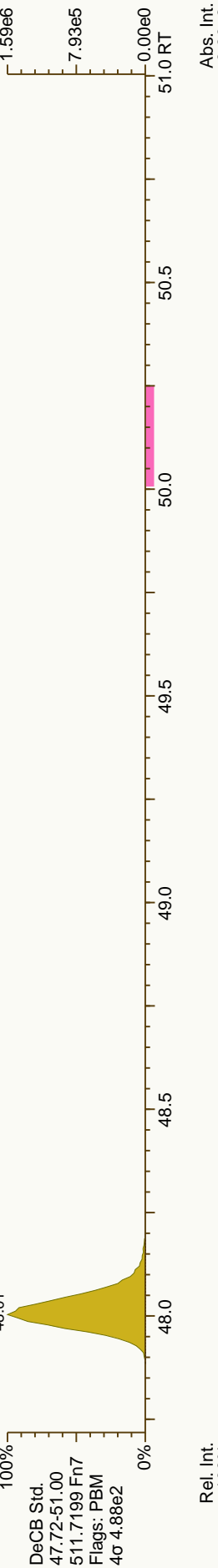
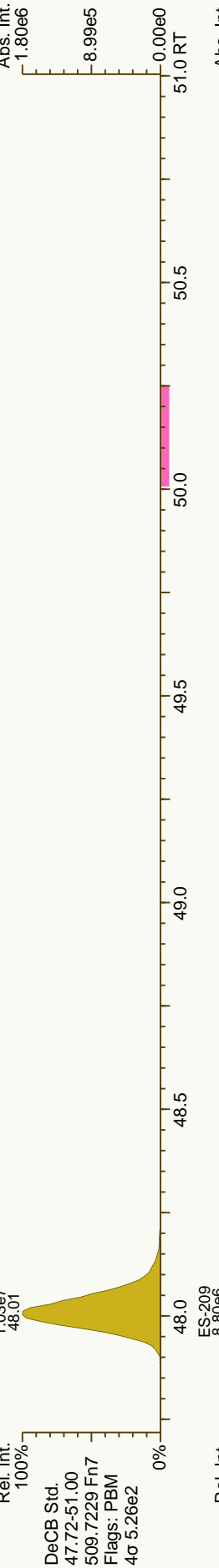
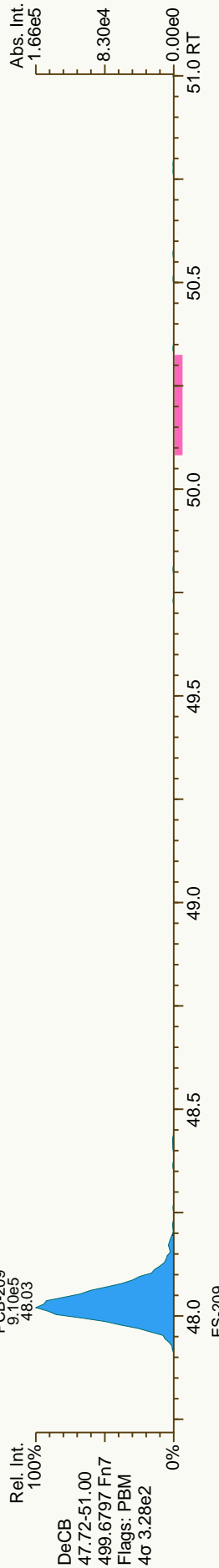
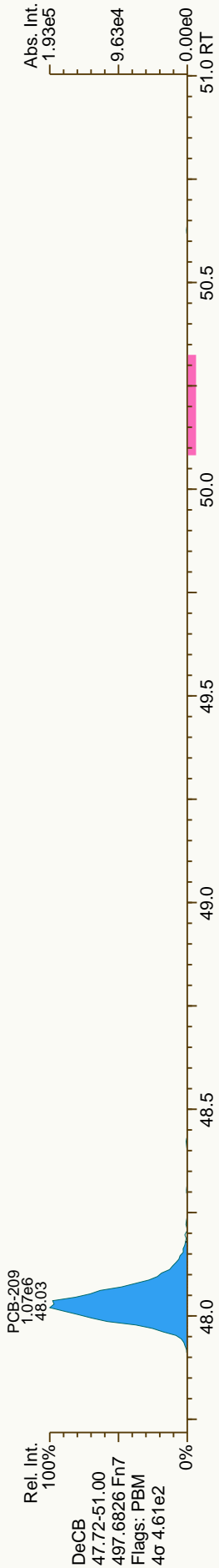












Results of JW-EA09-SS36-120507

Client Sample ID: **JW-EA09-SS36-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249011-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 14:01
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 61.30

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
2,3,7,8-TCDD	0.745			0.0852	0.498	pg/g	27.55	0.74
1,2,3,7,8-PeCDD	1.56		J	0.152	2.49	pg/g	33.84	1.60
1,2,3,4,7,8-HxCDD	2.08		J	0.214	2.49	pg/g	38.49	1.32
1,2,3,6,7,8-HxCDD	8.16			0.230	2.49	pg/g	38.63	1.38
1,2,3,7,8,9-HxCDD	4.52			0.223	2.49	pg/g	38.97	1.24
1,2,3,4,6,7,8-HpCDD	93.8			0.573	2.49	pg/g	42.65	1.04
OCDD	656			0.255	4.98	pg/g	46.40	0.90
2,3,7,8-TCDF	6.44			0.0684	0.498	pg/g	26.55	0.73
2,3,7,8-TCDF [confirm]	5.71			0.137	1.63	pg/g	20.99	0.72
1,2,3,7,8-PeCDF	1.44		J	0.0895	2.49	pg/g	32.11	1.51
2,3,4,7,8-PeCDF	2.68			0.0865	2.49	pg/g	33.44	1.40
1,2,3,4,6,7,8-HxCDF	1.84		J	0.117	2.49	pg/g	37.33	1.14
1,2,3,6,7,8-HxCDF	1.53		J	0.102	2.49	pg/g	37.50	1.10
2,3,4,6,7,8-HxCDF	2.03		J	0.103	2.49	pg/g	38.27	1.23
1,2,3,7,8,9-HxCDF	ND		U	0.162	2.49	pg/g		
1,2,3,4,6,7,8-HpCDF	21.4			0.183	2.49	pg/g	41.38	1.01
1,2,3,4,7,8,9-HpCDF		1.31	J	0.227	2.49	pg/g	43.26	1.25*
OCDF	37.2			0.160	4.98	pg/g	46.65	0.91
Total TCDD	56.3	56.9		0.0852	0.498	pg/g		
Total TCDF	77.0	78.0		0.0684	0.498	pg/g		
Total PeCDD	44.1	44.5		0.152	2.49	pg/g		
Total PeCDF	32.7	33.8		0.0880	2.49	pg/g		
Total HxCDD	98.6			0.222	2.49	pg/g		
Total HxCDF	38.3	38.9		0.118	2.49	pg/g		
Total HpCDD	230			0.573	2.49	pg/g		
Total HpCDF	59.5	60.8		0.203	2.49	pg/g		

World Health Organization Summary

	<u>Units</u>	<u>ND=0</u>	<u>ND=½</u>	<u>ND=DL</u>
WHO-2005 TEQ	pg/g	7.10	7.11	7.12
WHO-2005 TEQ w/EMPC	pg/g	7.11	7.12	7.13

Results of JW-EA09-SS36-120507

Client Sample ID: **JW-EA09-SS36-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249011-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 14:01
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 61.30

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
13C-2378-TCDD	97.0				25.0-164	%		
13C-12378-PeCDD	86.0				25.0-181	%		
13C-123478-HxCDD	93.0				32.0-141	%		
13C-123678-HxCDD	89.0				28.0-130	%		
13C-1234678-HpCDD	99.0				23.0-140	%		
13C-OCDD	87.0				17.0-157	%		
13C-2378-TCDF	93.0				24.0-169	%		
13C-12378-PeCDF	85.0				24.0-185	%		
13C-23478-PeCDF	85.0				21.0-178	%		
13C-123478-HxCDF	100				26.0-152	%		
13C-123678-HxCDF	108				26.0-123	%		
13C-234678-HxCDF	108				29.0-147	%		
13C-123789-HxCDF	91.0				28.0-136	%		
13C-1234678-HpCDF	88.0				28.0-143	%		
13C-1234789-HpCDF	96.0				26.0-138	%		
37Cl-2378-TCDD	108				35.0-197	%		

Batch Information

Analytical Batch: **HRD1902**
 Analytical Method: **EPA 1613B**
 Instrument: **APHRMS**
 Analyst: **MDC**
 Analytical Date/Time: **10/19/2012 20:39**

Prep Batch: **HXX1802**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/10/2012 09:35**
 Prep Initial Wt./Vol.: **16.4 g**
 Prep Extract Vol: **20 uL**

Analytical Batch: **HRD1912**
 Analytical Method: **EPA 1613B**
 Instrument: **HRMS3**
 Analyst: **JHL**
 Analytical Date/Time: **10/31/2012 21:50**

Prep Batch: **HXX1802**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/10/2012 09:35**
 Prep Initial Wt./Vol.: **16.4 g**
 Prep Extract Vol: **20 uL**

Lab ID: A4722_10216_DF_004

Client ID: JW-EA09-SS36-120507

Datafile: 121019P1-08

Acq'd: 19 Oct 2012 20:39 MDC

UTP: 20-Oct-2012 12:48 MDC

Report: 21 Oct 2012 10:23 MC

Wt/Vol: 10.05 g

J-level: 0.498 pg/g Split: 1

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C)

ICAL: 1613_SGS

Checkcode: 122-947-TYL



Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	2378-TCDD	27.55		1.0009	1.0010	+0.2	1.07E+05	0.74	Y	1.08	0.744	997	0.0852
2	2378-PeCDD	33.84		1.0006	1.0005	-0.2	1.63E+05	1.60	Y	1.07	1.56	1438	0.152
3	23478-HxCDD	38.49		1.0004	1.0004	0	1.56E+05	1.32	Y	1.05	2.07	1621	0.214
4	123678-HxCDD	38.63		1.0039	1.0039	0	6.18E+05	1.38	Y	0.98	8.16	1621	0.23
1	123789-HxCDD	38.97		1.0129	1.0129	0	3.40E+05	1.24	Y	1.01	4.52	1621	0.223
1	1234678-HpCDD	42.65		1.0005	1.0004	-0.3	6.61E+06	1.04	Y	1.09	93.7	4221	0.573
1	OCDD	46.40		1.0005	1.0004	-0.3	3.24E+07	0.90	Y	1.11	656	1047	0.254
2	2378-TCDF	26.55		1.0009	1.0010	+0.2	1.33E+06	0.73	Y	0.98	6.44	1135	0.0683
1	12378-PeCDF	32.11		1.0007	1.0006	-0.2	2.36E+05	1.51	Y	0.99	1.44	1349	0.0895
1	23478-PeCDF	33.44		1.0006	1.0010	+0.8	4.48E+05	1.40	Y	1.02	2.68	1349	0.0865
1	123478-HxCDF	37.33		1.0006	1.0005	-0.2	2.27E+05	1.14	Y	1.19	1.83	1380	0.117
1	123678-HxCDF	37.50		1.0005	1.0006	+0.2	2.22E+05	1.10	Y	1.16	1.53	1380	0.102
1	234678-HxCDF	38.27		1.0006	1.0004	-0.5	2.83E+05	1.23	Y	1.18	2.03	1380	0.103
1	123789-HxCDF	Not Fnd		1.0005	-	-	-	-	-	1.09	-	1380	0.162
1	1234678-HpCDF	41.38		1.0004	1.0004	0	2.19E+06	1.01	Y	1.35	21.4	1897	0.183
1	1234789-HpCDF	43.26		1.0004	1.0003	-0.3	1.13E+05	1.25	N	1.34	1.31	1897	0.227
2	OCDF	46.65		1.0057	1.0057	0	2.32E+06	0.91	Y	1.40	37.2	832	0.16
1	ES 2378-TCDD	27.52		1.0281	1.0277	-0.6	2.63E+07	0.81	Y	1.04	96.7		
1	ES 12378-PeCDD	33.83		1.2639	1.2630	-1.4	1.94E+07	1.58	Y	0.87	85.8		
1	ES 123478-HxCDD	38.48		0.9876	0.9876	0	1.43E+07	1.29	Y	0.94	93.2		
1	ES 123678-HxCDD	38.61		0.9910	0.9911	+0.2	1.53E+07	1.28	Y	1.06	88.5		
1	ES 1234678-HpCDD	42.64		1.0943	1.0944	+0.2	1.29E+07	1.06	Y	0.80	98.9		
1	ES OCDD	46.38		1.1907	1.1906	-0.2	1.78E+07	0.89	Y	0.63	86.5		
1	ES 2378-TCDF	26.53		0.9907	0.9905	-0.3	4.21E+07	0.80	Y	1.74	92.9		
1	ES 12378-PeCDF	32.09		1.1992	1.1982	-1.6	3.30E+07	1.58	Y	1.49	84.6		
1	ES 23478-PeCDF	33.41		1.2484	1.2476	-1.3	3.28E+07	1.61	Y	1.48	84.8		
1	ES 123478-HxCDF	37.31		0.9577	0.9576	-0.2	2.07E+07	0.52	Y	1.27	99.8		
1	ES 123678-HxCDF	37.47		0.9619	0.9619	0	2.49E+07	0.52	Y	1.41	108		
1	ES 234678-HpCDF	38.26		0.9821	0.9821	0	2.36E+07	0.53	Y	1.34	108		
1	ES 123789-HxCDF	39.38		1.0108	1.0108	0	1.79E+07	0.54	Y	1.20	90.9		
1	ES 1234678-HpCDF	41.36		1.0618	1.0618	0	1.51E+07	0.42	Y	1.06	87.5		
1	ES 1234789-HpCDF	43.25		1.1100	1.1101	+0.2	1.29E+07	0.43	Y	0.82	96.2		

Lab ID: A4722_10216_DF_004 Acq'd: 19 Oct 2012 20:39 MDC Wt/Vol: 10.05 g ICAL: 1613_SGS
 Client ID: JW-EA09-SS36-120507 UTP: 20-Oct-2012 12:48 MDC J-level: 0.498 pg/g Split: 1 Checkcode: 122-947-TYL
 Datafile: 121019P1-08 Report: 21 Oct 2012 10:23 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37Cl)

WV#	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
120329	JS 1234-TCDD	26.78		-	-	-	2.61E+07	0.80	Y	-	-
120329	JS 123789-HxCDD	38.96		-	-	-	1.63E+07	1.27	Y	-	-
	CS 37Cl-2378-TCDD	27.55		1.0291	1.0287	-0.6	6.59E+06	n/a	-	1.17	108

	SS 37Cl-2378-TCDD	27.55		1.0291	1.0287	-0.6	6.59E+06	n/a	-	1.12	111
--	-------------------	-------	--	--------	--------	------	----------	-----	---	------	-----

Totals	Conc	EMPC	EDL
Total TCDD	56.3	56.9	0.0852
Total PeCDD	44.1	44.5	0.152
Total HxCDD	98.5	98.5	0.222
Total HpCDD	230	230	0.573
Total Tetra-Octa Dioxins	1080	1090	
Total TCDF	77	77.9	0.0683
Total PeCDF	32.7	33.8	0.0879
Total HxCDF	38.3	38.9	0.118
Total HpCDF	59.4	60.7	0.203
Total Tetra-Octa Furans	245	249	
Total Tetra-Octa Dioxins & Furans	1330	1330	

Lab ID: A4722_10216_DF_004 Acq'd: 19 Oct 2012 20:39 MDC Wt/Vol: 10.05 g ICAL: 1613_SGS
 Client ID: JW-EA09-SS36-120507 UTP: 20-Oct-2012 12:48 MDC J-level: 0.498 pg/g Split: 1 Checkcode: 122-947-TYL
 Datafile: 121019P1-08 Report: 21 Oct 2012 10:23 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

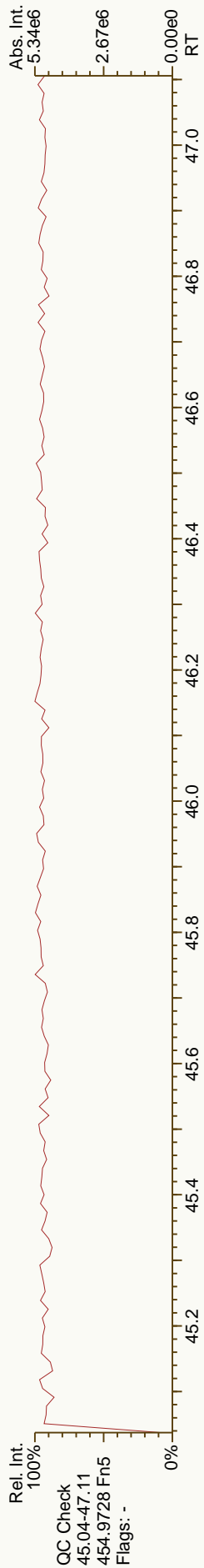
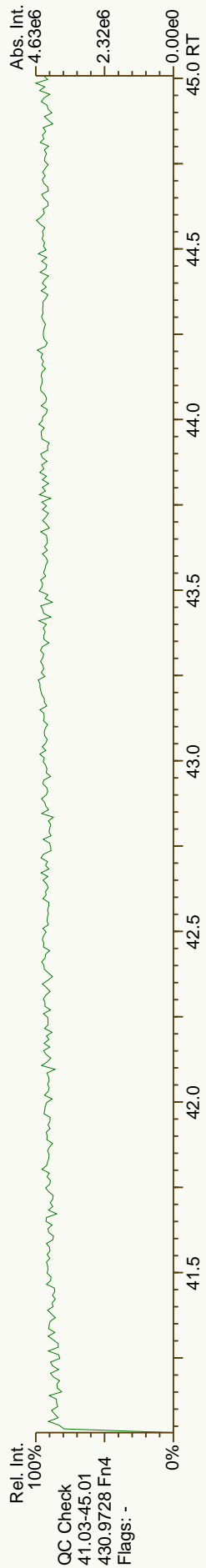
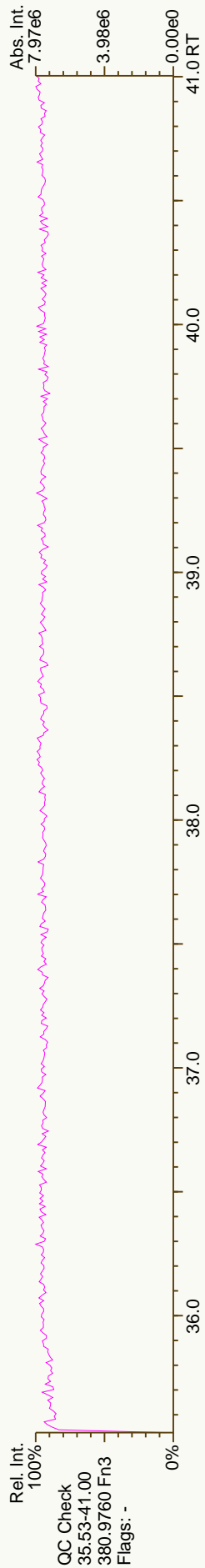
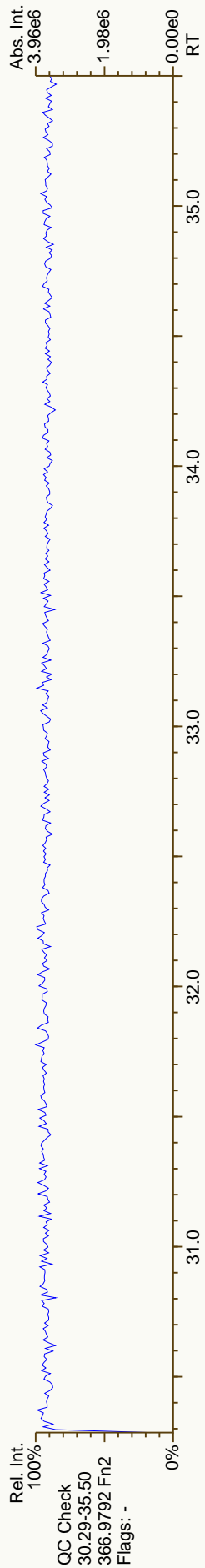
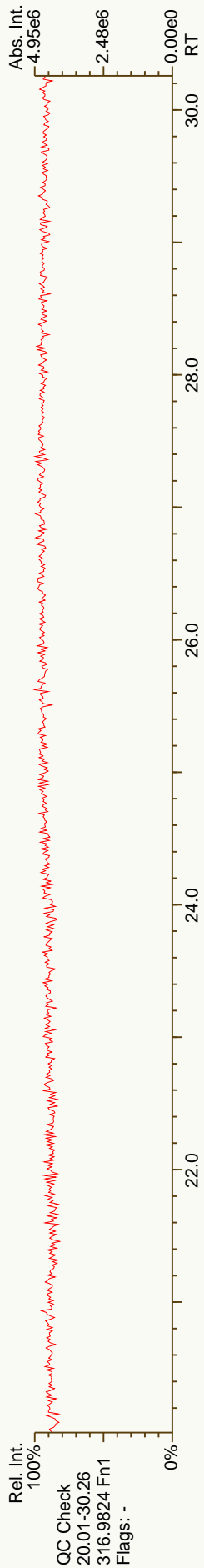
Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	TCDD	23.43		0.8504	0.8514	+1.7	3.11E+06	0.79	Y	1.08	21.7	997	0.0852
2	TCDD	23.83		0.8649	0.8659	+1.7	2.07E+06	0.77	Y	1.08	14.4	997	0.0852
3	TCDD	24.31		0.8835	0.8832	-0.5	6.10E+04	1.36	N	1.08	0.426	997	0.0852
4	TCDD	25.19		0.9152	0.9151	-0.2	3.75E+05	0.83	Y	1.08	2.62	997	0.0852
	TCDD	25.45		0.9241	0.9247	+1.0	3.36E+05	0.84	Y	1.08	2.35	997	0.0852
	TCDD	25.67		0.9327	0.9328	+0.2	4.80E+05	0.79	Y	1.08	3.35	997	0.0852
	TCDD	25.90		0.9408	0.9409	+0.2	1.06E+05	0.74	Y	1.08	0.739	997	0.0852
	TCDD	26.16		0.9512	0.9505	-1.2	2.46E+04	0.59	N	1.08	0.172	997	0.0852
	TCDD	26.37		0.9580	0.9581	+0.2	1.18E+05	0.66	Y	1.08	0.822	997	0.0852
	TCDD	26.80		0.9736	0.9739	+0.5	7.09E+05	0.74	Y	1.08	4.95	997	0.0852
	TCDD	26.92		0.9785	0.9780	-0.8	4.12E+04	0.86	Y	1.08	0.288	997	0.0852
	TCDD	27.23		0.9884	0.9893	+1.5	4.82E+05	0.80	Y	1.08	3.37	997	0.0852
	TCDD	27.37		0.9945	0.9944	-0.2	3.77E+04	0.80	Y	1.08	0.263	997	0.0852
	2378-TCDD	27.55		1.0009	1.0010	+0.2	1.07E+05	0.74	Y	1.08	0.744	997	0.0852
	TCDD	27.93		1.0147	1.0148	+0.2	9.20E+04	0.78	Y	1.08	0.642	997	0.0852
	NotFnd			1.0206						1.08		997	0.0852
	NotFnd			1.0423						1.08		997	0.0852
	PeCDD	30.89		0.9131	0.9131	0	1.19E+06	1.60	Y	1.07	11.4	1438	0.152
	PeCDD	31.51		0.9319	0.9317	-0.4	8.86E+04	1.53	Y	1.07	0.846	1438	0.152
	PeCDD	32.17		0.9511	0.9510	-0.2	1.27E+06	1.62	Y	1.07	12.1	1438	0.152
	PeCDD	32.39		0.9576	0.9574	-0.4	1.93E+05	1.65	Y	1.07	1.84	1438	0.152
	PeCDD	32.51		0.9611	0.9612	+0.2	1.02E+06	1.63	Y	1.07	9.76	1438	0.152
	PeCDD	32.81		0.9703	0.9701	-0.4	1.81E+05	1.69	Y	1.07	1.73	1438	0.152
	PeCDD	33.25		0.9829	0.9831	+0.4	4.67E+05	1.77	Y	1.07	4.45	1438	0.152
	12378-PeCDD	33.84		1.0006	1.0005	-0.2	1.63E+05	1.60	Y	1.07	1.56	1438	0.152
	PeCDD	33.95		1.0039	1.0036	-0.6	4.74E+04	1.54	Y	1.07	0.453	1438	0.152
	PeCDD	34.36		1.0161	1.0159	-0.4	3.97E+04	0.98	N	1.07	0.379	1438	0.152
	HxCDD	36.46		0.9479	0.9476	-0.7	1.51E+06	1.28	Y	1.01	20	1621	0.222
	HxCDD	37.24		0.9682	0.9680	-0.5	2.26E+06	1.30	Y	1.01	29.9	1621	0.222
	HxCDD	37.60		0.9771	0.9773	+0.5	2.44E+06	1.36	Y	1.01	32.3	1621	0.222
	HxCDD	NotFnd		0.9811						1.01		1621	0.222
	123478-HxCDD	38.49		1.0004	1.0004	0	1.56E+05	1.32	Y	1.05	2.07	1621	0.214
	123678-HxCDD	38.63		1.0039	1.0039	0	6.18E+05	1.38	Y	0.98	8.16	1621	0.23
	HxCDD	38.84		1.0097	1.0096	-0.2	1.17E+05	1.23	Y	1.01	1.56	1621	0.222
	123789-HxCDD	38.97		1.0129	1.0129	0	3.40E+05	1.24	Y	1.01	4.52	1621	0.223

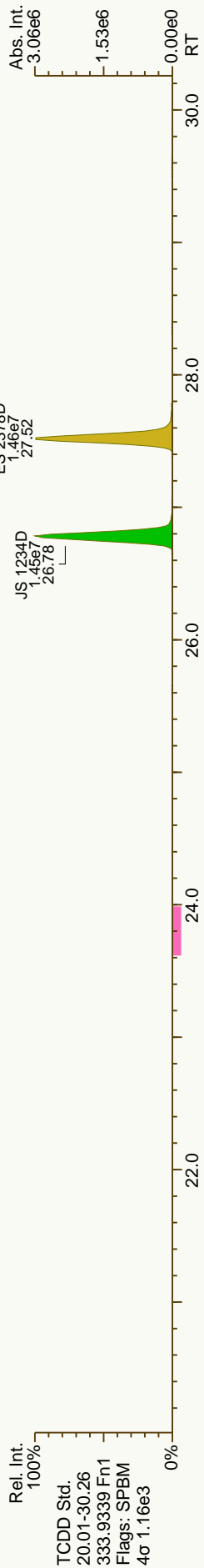
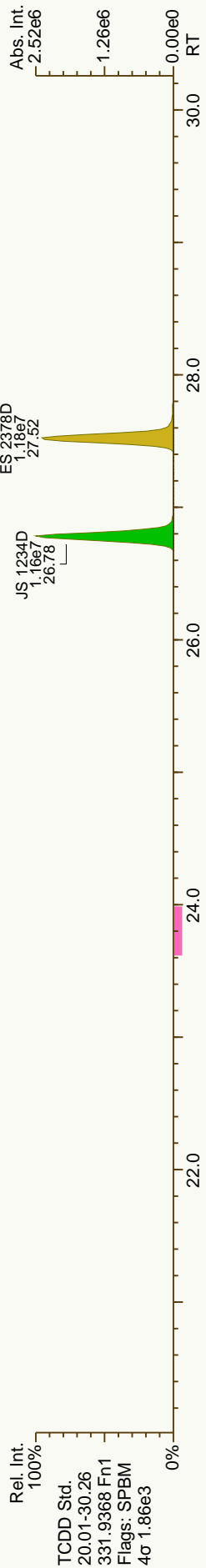
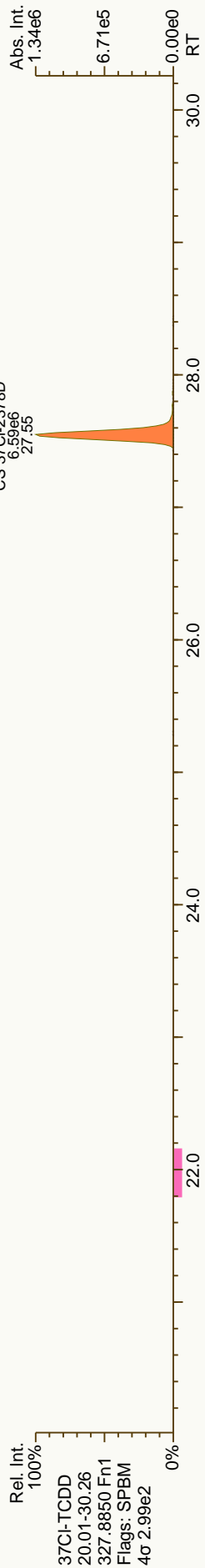
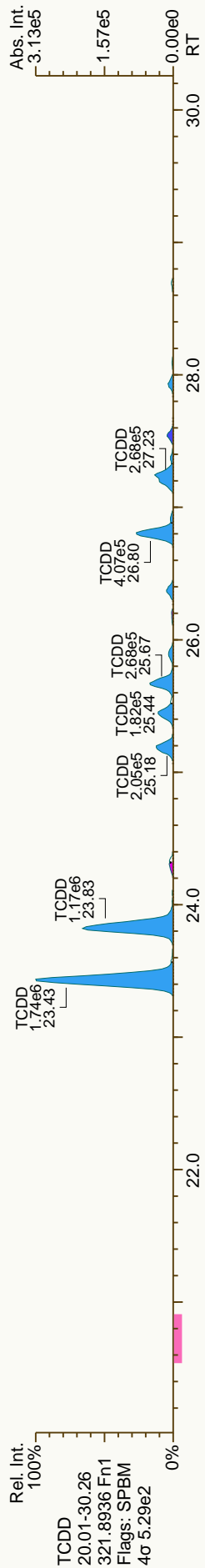
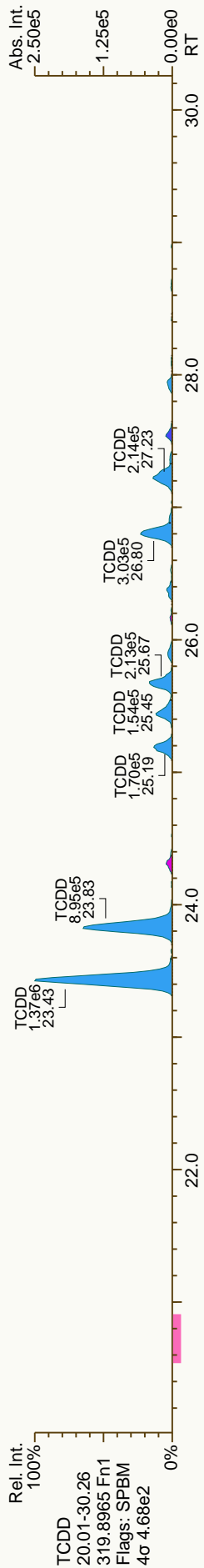
Lab ID: A4722_10216_DF_004 Acq'd: 19 Oct 2012 20:39 MDC Wt/Vol: 10.05 g ICAL: 1613_SGS
 Client ID: JW-EA09-SS36-120507 UTP: 20-Oct-2012 12:48 MDC J-level: 0.498 pg/g Split: 1 Checkcode: 122-947-TYL
 Datafile: 121019P1-08 Report: 21 Oct 2012 10:23 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

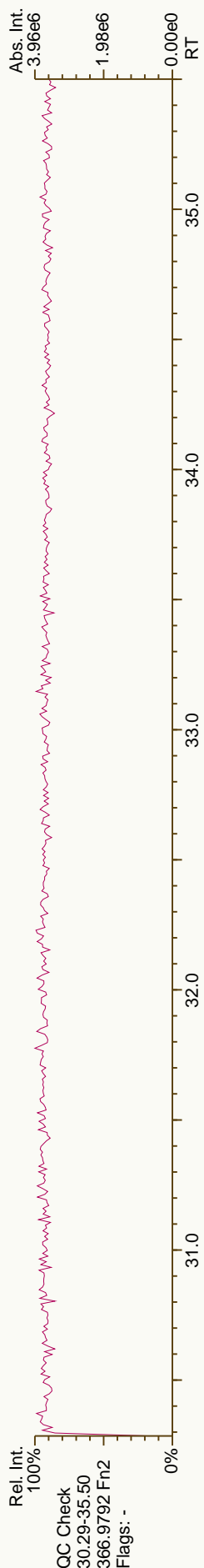
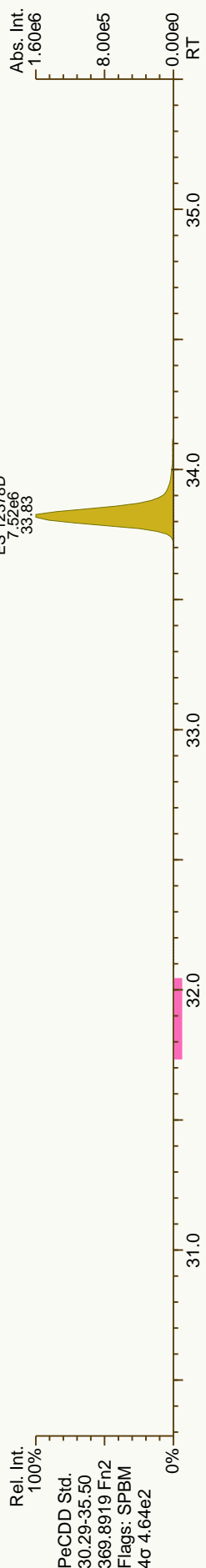
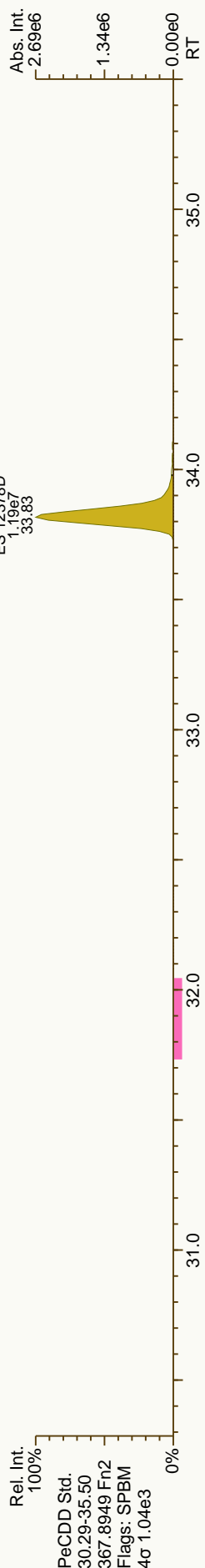
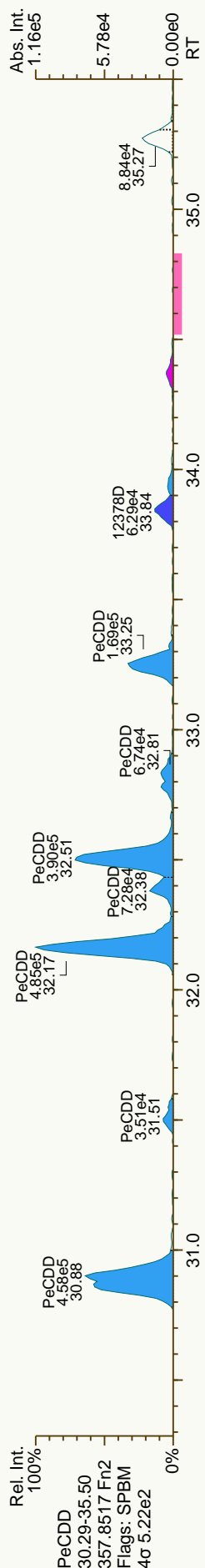
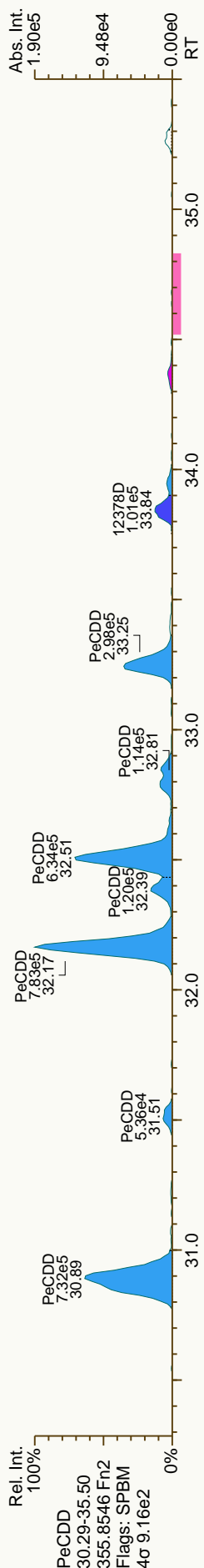
Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	HP-CDD	41.75		0.9793	0.9791	-0.5	9.61E+06	1.03	Y	1.09	136	4221	0.573
2	234678-HP-CDD	42.65		1.0005	1.0004	-0.3	6.61E+06	1.04	Y	1.09	93.7	4221	0.573
3	OCDD	46.40		1.0005	1.0004	-0.3	3.24E+07	0.90	Y	1.11	656	1047	0.254
4	OCDD-a	46.40		1.0001	1.0003	+0.6	1.90E+06	2.66	Y	1.00	42.6	1241	0.334
5	TCDF	21.22		0.7983	0.8000	+2.7	7.20E+05	0.77	Y	0.98	3.49	1135	0.0683
6	TCDF	21.79		0.8218	0.8213	-0.8	4.30E+05	0.80	Y	0.98	2.08	1135	0.0683
7	TCDF	22.44		0.8463	0.8458	-0.8	1.10E+06	0.83	Y	0.98	5.32	1135	0.0683
8	TCDF	22.86		0.8625	0.8617	-1.3	3.55E+05	0.70	Y	0.98	1.72	1135	0.0683
9	TCDF	23.01		0.8677	0.8673	-0.6	2.05E+06	0.82	Y	0.98	9.93	1135	0.0683
10	TCDF	23.29		0.8787	0.8780	-1.1	2.93E+05	0.71	Y	0.98	1.42	1135	0.0683
11	TCDF	23.43		0.8840	0.8832	-1.3	1.18E+06	0.82	Y	0.98	5.69	1135	0.0683
12	TCDF	23.86		0.8998	0.8995	-0.5	7.72E+05	0.78	Y	0.98	3.74	1135	0.0683
13	TCDF	24.01		0.9054	0.9052	-0.3	3.25E+05	0.77	Y	0.98	1.58	1135	0.0683
14	TCDF	24.20		0.9125	0.9123	-0.3	6.78E+05	0.81	Y	0.98	3.28	1135	0.0683
15	TCDF	24.62		0.9279	0.9280	+0.2	3.75E+05	0.74	Y	0.98	1.81	1135	0.0683
16	TCDF	24.76		0.9334	0.9333	-0.2	4.88E+05	0.79	Y	0.98	2.36	1135	0.0683
17	TCDF	24.93		0.9381	0.9396	+2.4	1.06E+06	0.75	Y	0.98	5.14	1135	0.0683
18	TCDF	25.04		0.9439	0.9440	+0.2	8.45E+05	0.75	Y	0.98	4.09	1135	0.0683
19	TCDF	25.55		0.9630	0.9630	0	1.19E+06	0.81	Y	0.98	5.75	1135	0.0683
20	TCDF	25.67		0.9674	0.9676	+0.3	8.79E+04	0.72	Y	0.98	0.425	1135	0.0683
21	TCDF	25.85		0.9746	0.9746	0	4.30E+05	0.80	Y	0.98	2.08	1135	0.0683
22	TCDF	26.07		0.9829	0.9827	-0.3	2.68E+05	0.81	Y	0.98	1.3	1135	0.0683
23	TCDF	26.30		0.9916	0.9915	-0.2	4.16E+05	0.76	Y	0.98	2.01	1135	0.0683
24	TCDF	26.43		0.9963	0.9964	+0.2	3.06E+05	0.82	Y	0.98	1.48	1135	0.0683
25	2378-TCDF	26.55		1.0009	1.0010	+0.2	1.33E+06	0.73	Y	0.98	6.44	1135	0.0683
26	TCDF	26.97		1.0166	1.0166	0	1.11E+06	0.80	Y	0.98	5.37	1135	0.0683
27	TCDF	27.26		1.0274	1.0277	+0.5	9.92E+04	0.85	Y	0.98	0.48	1135	0.0683
28	TCDF	27.58		1.0390	1.0396	+1.0	4.96E+04	1.08	N	0.98	0.24	1135	0.0683
29	TCDF	28.85		1.0886	1.0877	-1.4	1.47E+05	1.07	N	0.98	0.711	1135	0.0683
30	PeCDF	28.84		0.8975	0.8988	+2.5	1.88E+06	1.52	Y	1.00	11.3	1013	0.066
31	PeCDF	30.62		0.9542	0.9542	0	4.29E+05	1.37	Y	1.00	2.59	1349	0.0879
32	PeCDF	30.80		0.9587	0.9599	+2.3	1.14E+06	1.38	Y	1.00	6.9	1349	0.0879
33	PeCDF	30.91		0.9636	0.9633	-0.6	1.66E+05	1.71	Y	1.00	1	1349	0.0879
34	PeCDF	31.02		0.9671	0.9667	-0.8	5.32E+04	1.21	N	1.00	0.321	1349	0.0879
35	PeCDF	31.32		0.9760	0.9758	-0.4	7.84E+04	1.31	N	1.00	0.473	1349	0.0879
36	PeCDF	31.49		0.9810	0.9813	+0.6	3.82E+04	1.26	N	1.00	0.231	1349	0.0879

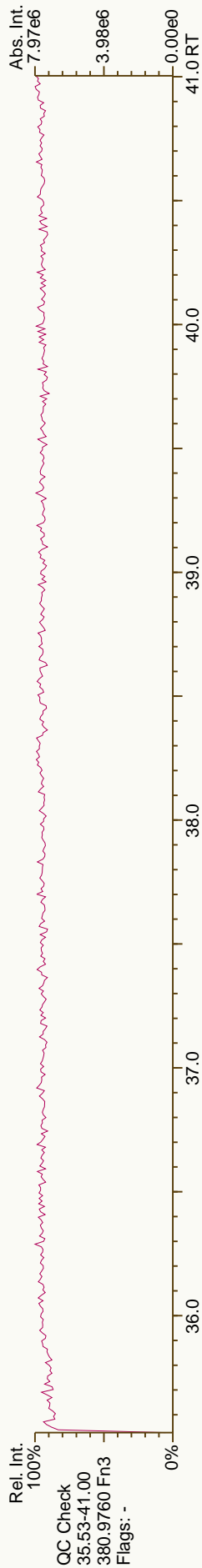
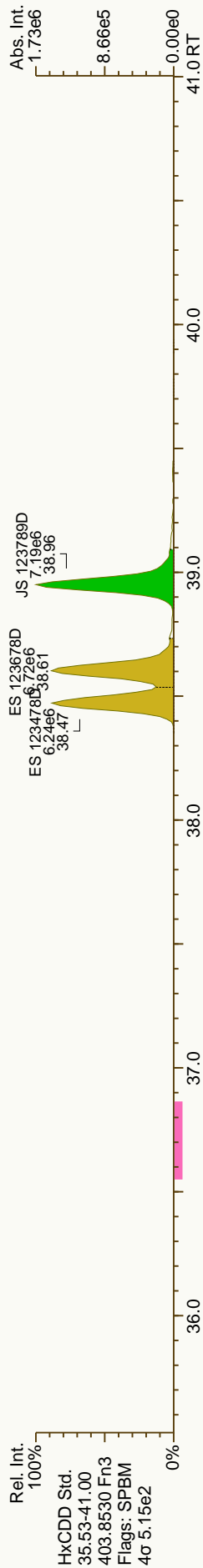
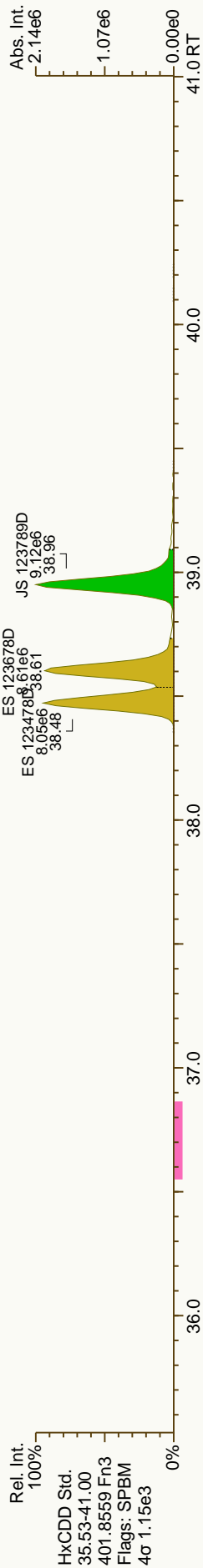
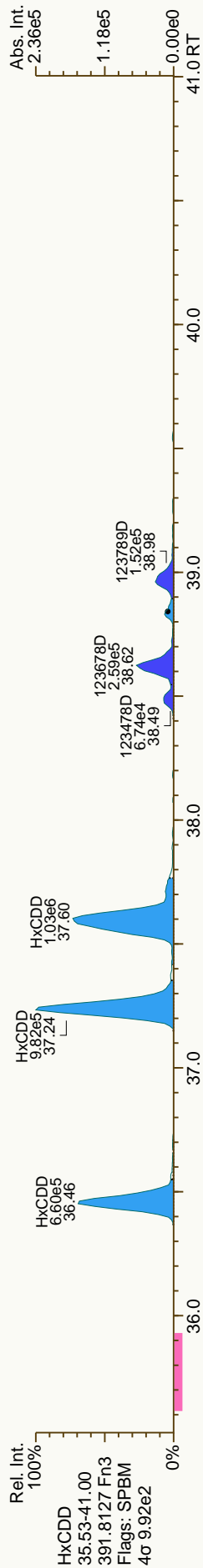
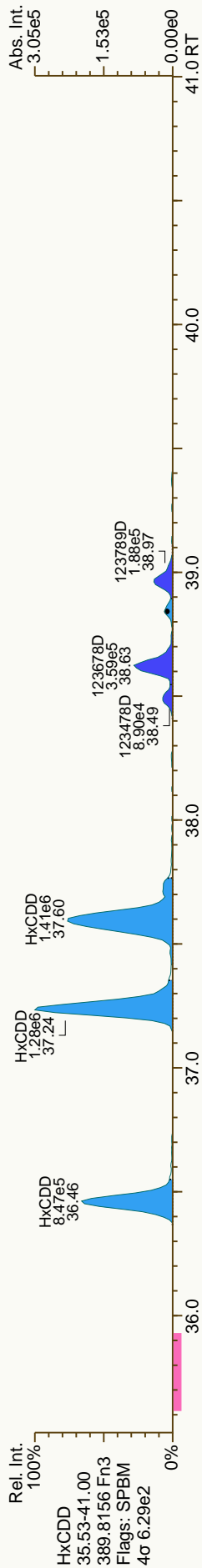
Lab ID: A4722_10216_DF_004 Acq'd: 19 Oct 2012 20:39 MDC Wt/Vol: 10.05 g ICAL: 1613_SGS
 Client ID: JW-EA09-SS36-120507 UTP: 20-Oct-2012 12:48 MDC J-level: 0.498 pg/g Split: 1 Checkcode: 122-947-TYL
 Datafile: 121019P1-08 Report: 21 Oct 2012 10:23 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

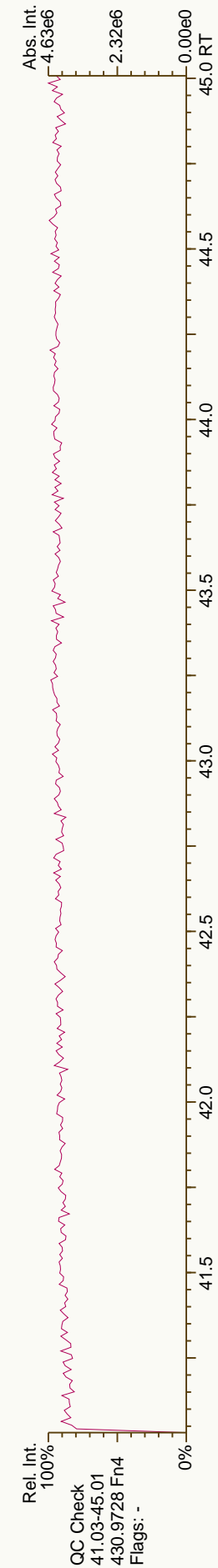
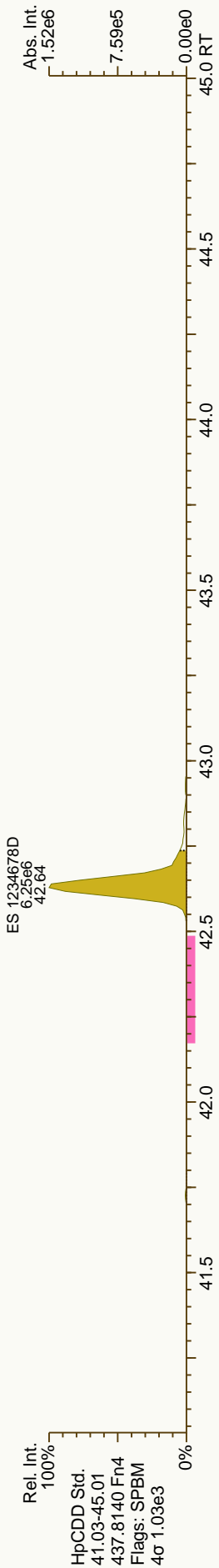
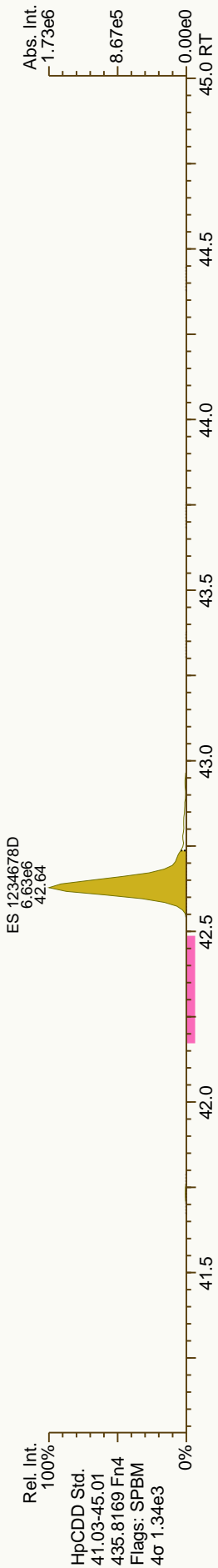
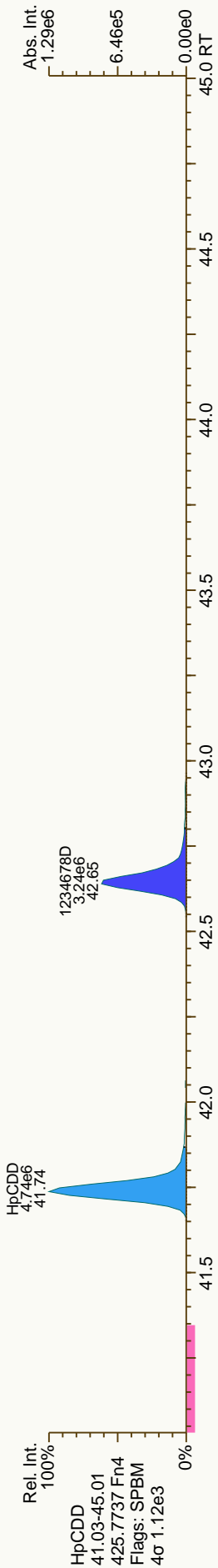
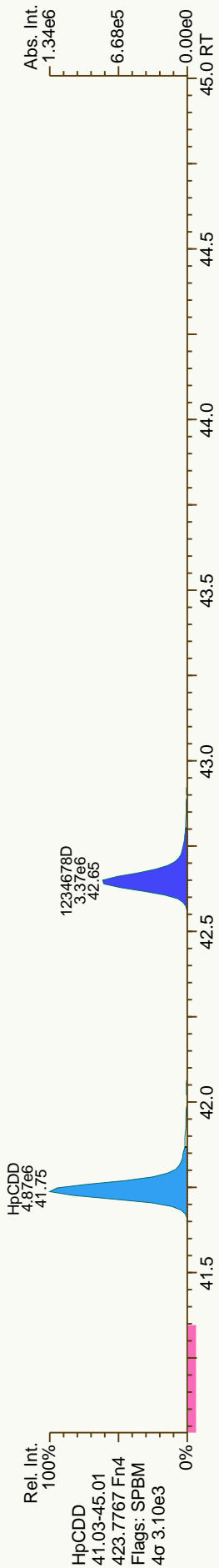
Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	PeCDF	31.59		0.9847	0.9843	-0.8	3.66E+05	1.65	Y	1.00	2.21	1349	0.0879
2	PeCDF	31.67		0.9870	0.9868	-0.4	8.96E+04	1.78	Y	1.00	0.541	1349	0.0879
3	PeCDF	31.85		0.9930	0.9926	-0.8	7.39E+04	1.39	Y	1.00	0.446	1349	0.0879
4	12378-PeCDF	32.11		1.0007	1.0006	-0.2	2.36E+05	1.51	Y	0.99	1.44	1349	0.0895
	PeCDF	32.44		1.0113	1.0108	-1.0	3.25E+05	1.42	Y	1.00	1.96	1349	0.0879
	PeCDF	32.62		1.0169	1.0166	-0.6	3.30E+04	1.36	Y	1.00	0.199	1349	0.0879
	PeCDF	33.12		0.9917	0.9912	-1.0	3.07E+04	1.78	Y	1.00	0.185	1349	0.0879
	PeCDF	33.28		0.9962	0.9961	-0.2	1.83E+05	1.65	Y	1.00	1.1	1349	0.0879
	23478-PeCDF	33.44		1.0006	1.0010	+0.8	4.48E+05	1.40	Y	1.02	2.68	1349	0.0865
	PeCDF	NotFnd		0.0000						1.02	0		0
	PeCDF	NotFnd		1.0023						1.00	1349		0.0879
	PeCDF	NotFnd		1.0120						1.00	1349		0.0879
	PeCDF	34.70		1.0389	1.0386	-0.6	2.53E+04	1.73	Y	1.00	0.153	1349	0.0879
	HxCDF	35.67		0.9565	0.9562	-0.7	5.17E+05	1.16	Y	1.15	4.1	1380	0.118
	HxCDF	35.91		0.9627	0.9626	-0.2	1.73E+06	1.28	Y	1.15	13.7	1380	0.118
	HxCDF	36.19		0.9700	0.9700	0	2.18E+04	1.08	Y	1.15	0.173	1380	0.118
	HxCDF	36.42		0.9762	0.9762	0	7.60E+04	1.23	Y	1.15	0.602	1380	0.118
	HxCDF	36.69		0.9833	0.9834	+0.2	1.71E+06	1.22	Y	1.15	13.6	1380	0.118
	HxCDF	37.19		0.9968	0.9968	0	7.74E+04	0.94	N	1.15	0.613	1380	0.118
	123478-HxCDF	37.33		1.0006	1.0005	-0.2	2.27E+05	1.14	Y	1.19	1.83	1380	0.117
	123678-HxCDF	37.50		1.0005	1.0006	+0.2	2.22E+05	1.10	Y	1.16	1.53	1380	0.102
	HxCDF	NotFnd		1.0055						1.15		1380	0.118
	HxCDF	37.84		1.0102	1.0098	-0.9	2.70E+04	1.32	Y	1.15	0.214	1380	0.118
	HxCDF	NotFnd		0.9933						1.15		1380	0.118
	234678-HxCDF	38.27		1.0006	1.0004	-0.5	2.83E+05	1.23	Y	1.18	2.03	1380	0.103
	HxCDF	NotFnd		0.0000						1.18	0		0
	HxCDF	NotFnd		1.0009						1.15	1380		0.118
	123789-HxCDF	NotFnd		1.0005						1.09	1380		0.162
	HxCDF	NotFnd		0.0000						1.09	0		0
	123489-HxCDF	39.43		1.0013	1.0012	-0.2	5.85E+04	1.06	Y	1.15	0.464	1380	0.118
	1234678-HpCDF	41.38		1.0004	1.0004	0	2.19E+06	1.01	Y	1.35	21.4	1897	0.183
	HpCDF	41.73		1.0091	1.0089	-0.5	8.82E+04	1.03	Y	1.34	0.933	1897	0.203
	HpCDF	41.92		1.0140	1.0136	-1.0	3.51E+06	1.01	Y	1.34	37.1	1897	0.203
	1234789-HpCDF	43.26		1.0004	1.0003	-0.3	1.13E+05	1.25	N	1.34	1.31	1897	0.227
	OCDF	46.65		1.0057	1.0057	0	2.32E+06	0.91	Y	1.40	37.2	832	0.16
	OCDF-a	46.63		1.0053	1.0053	0	7.07E+04	4.79	N	1.00	1.58	732	0.197

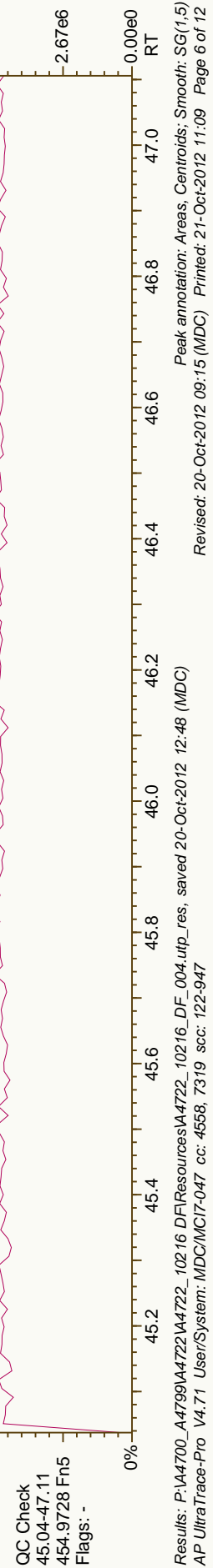
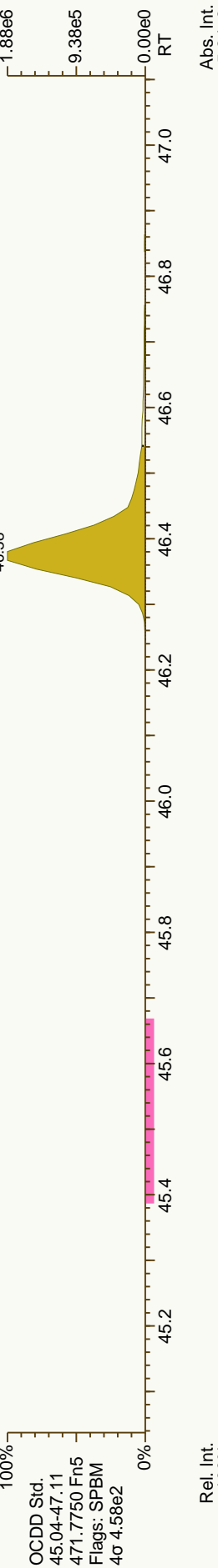
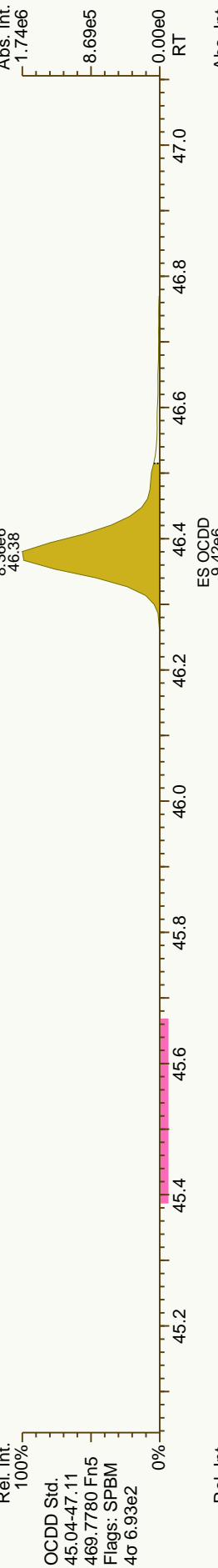
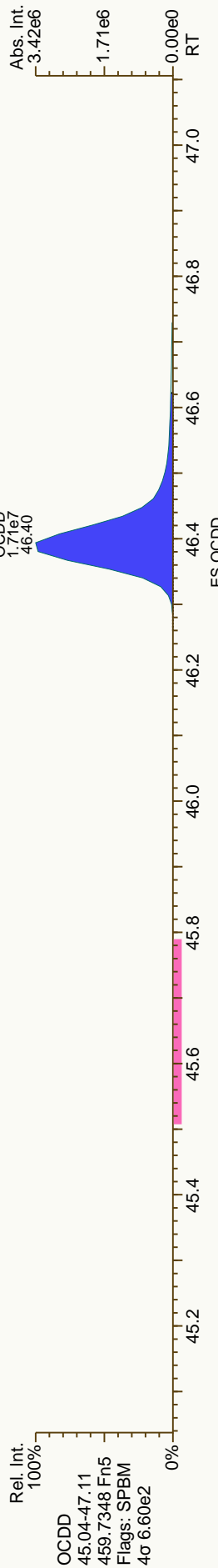
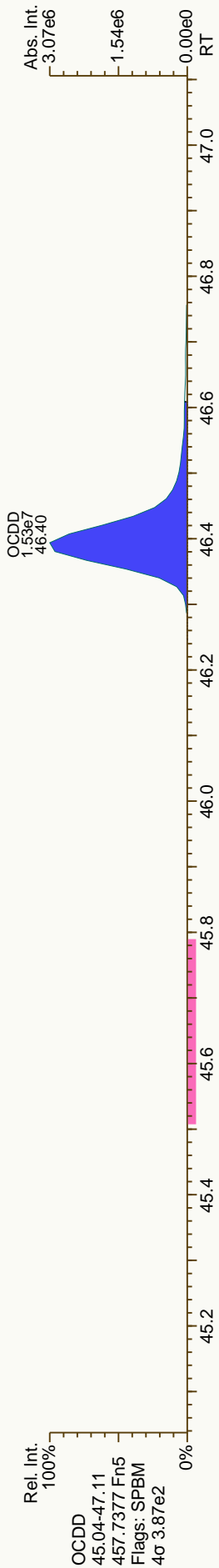


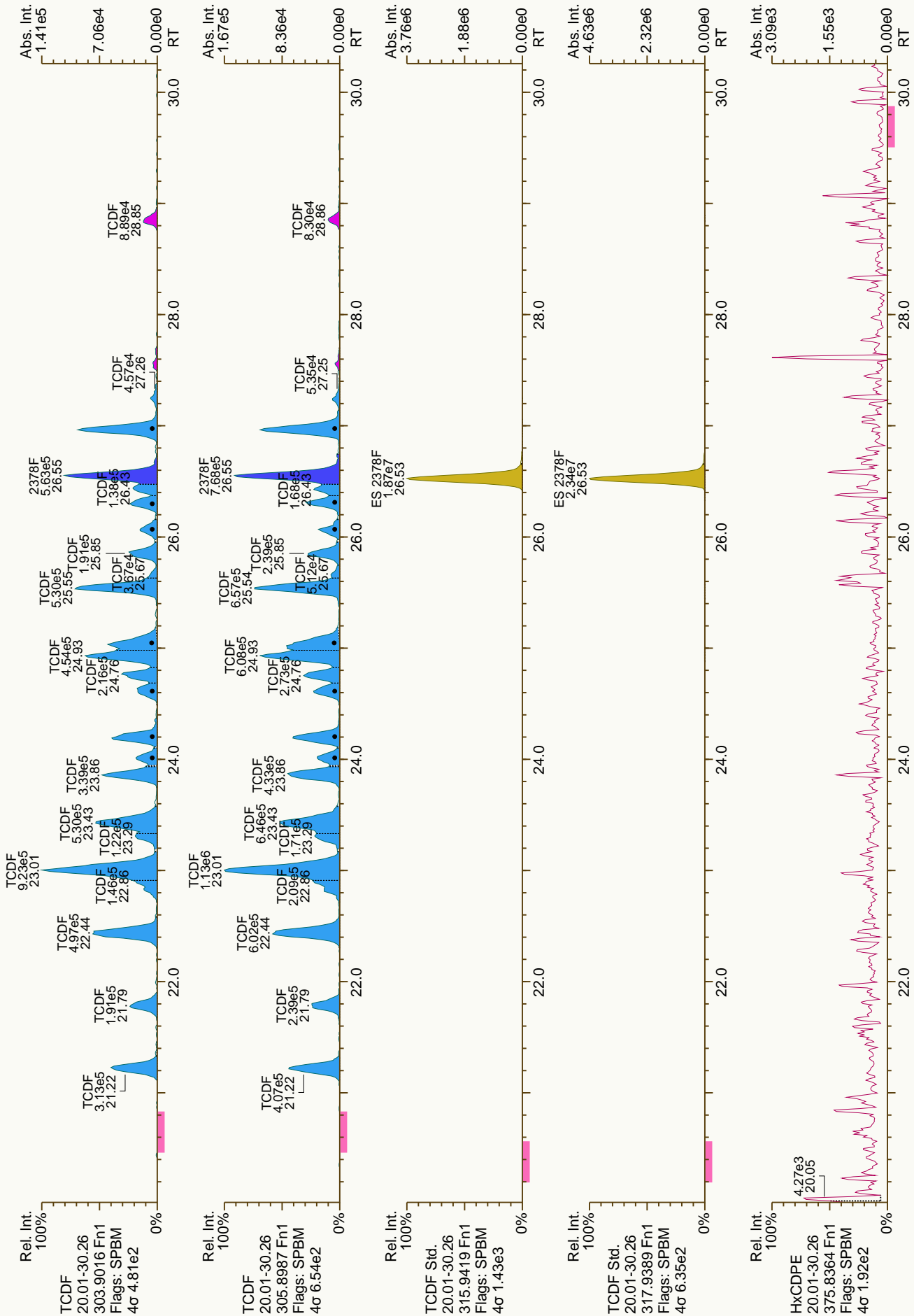


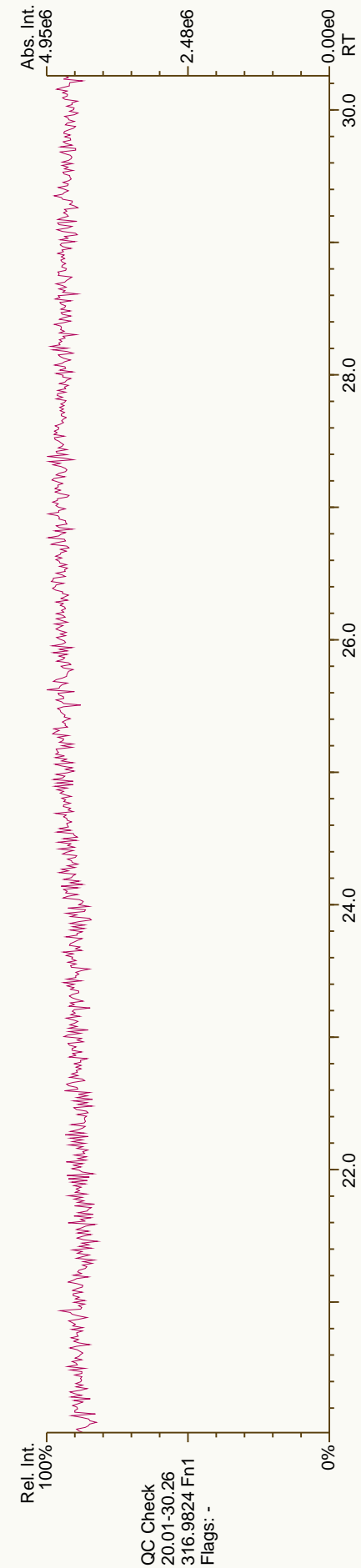
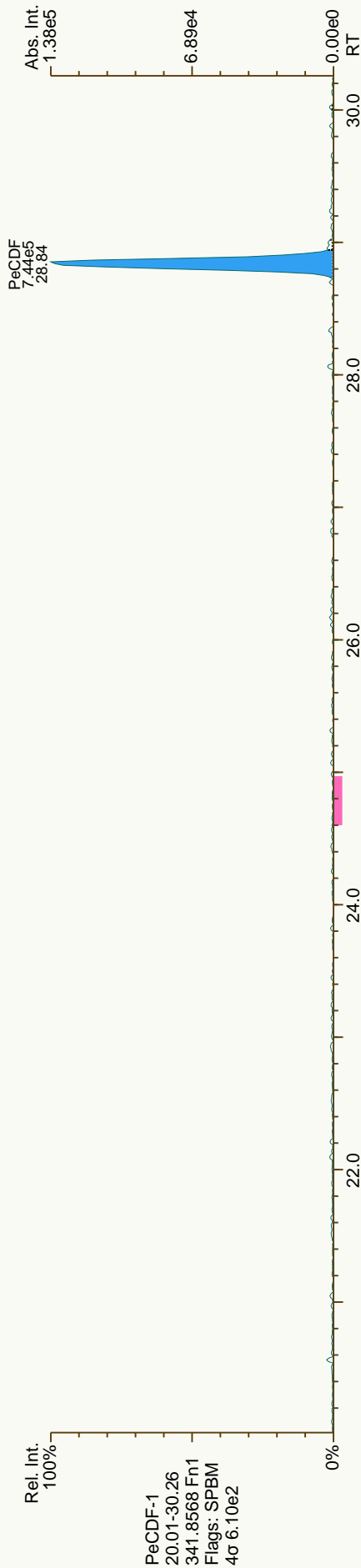
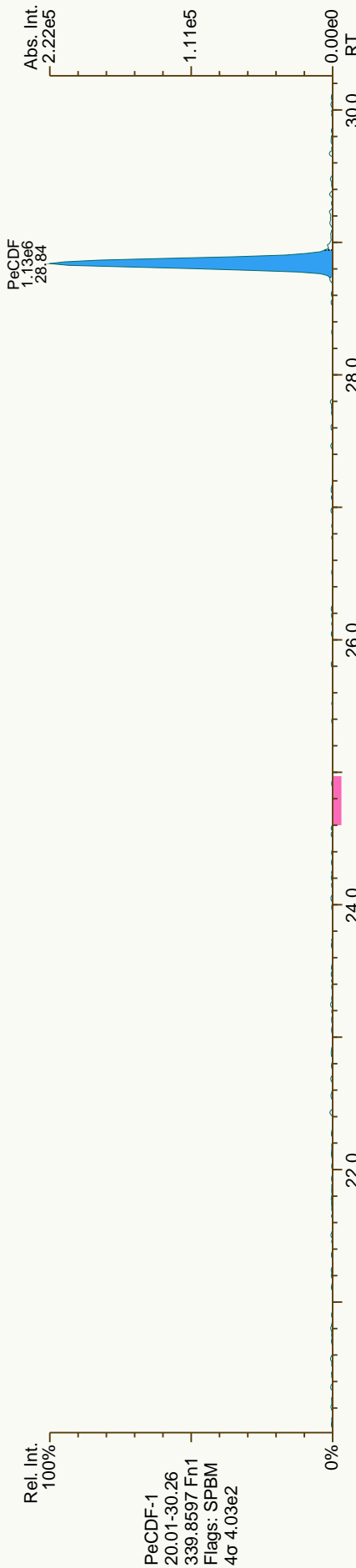


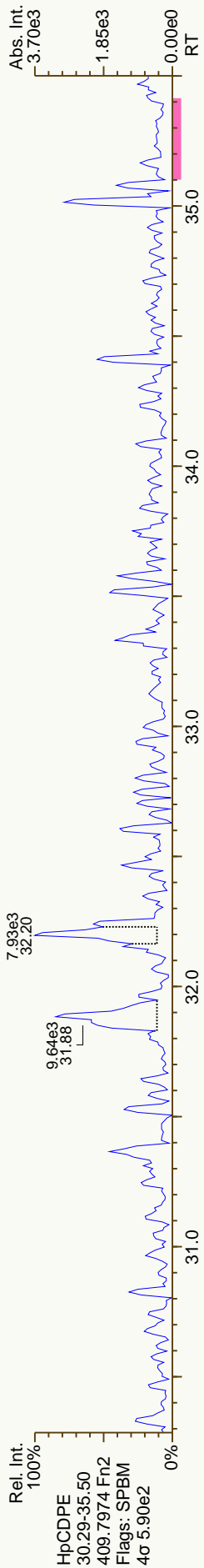
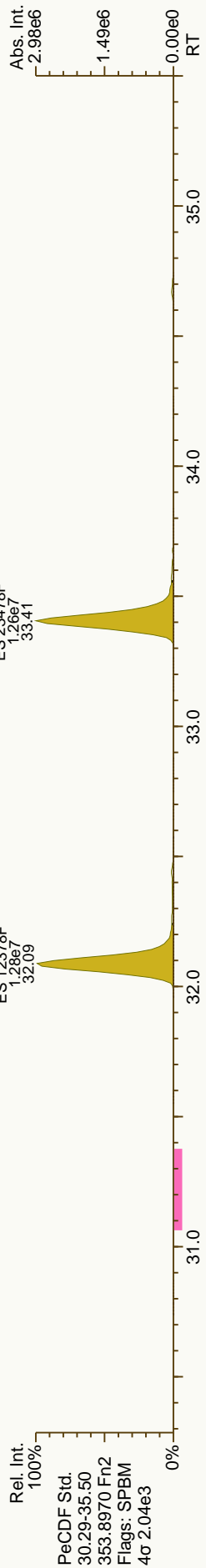
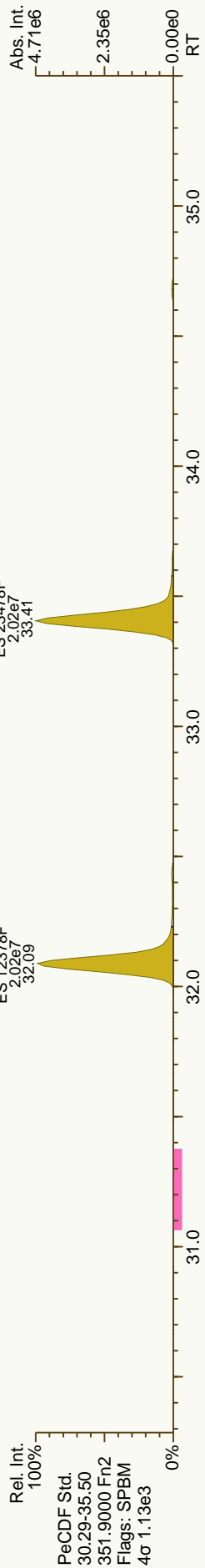
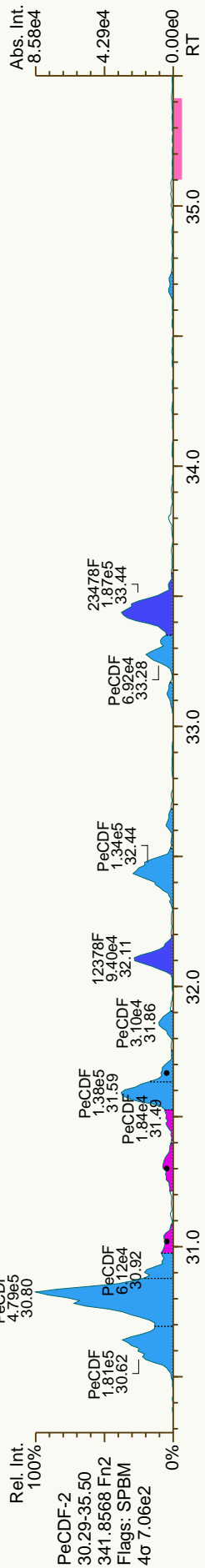
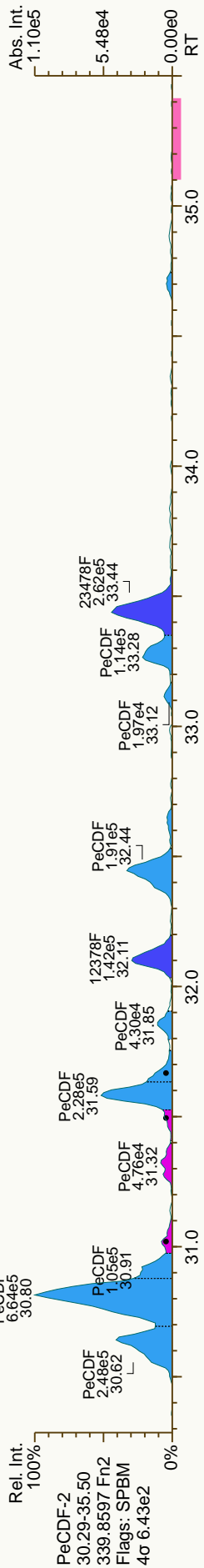


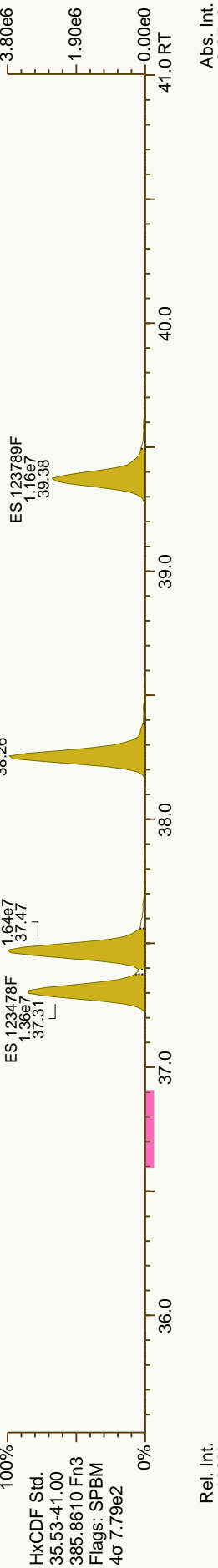
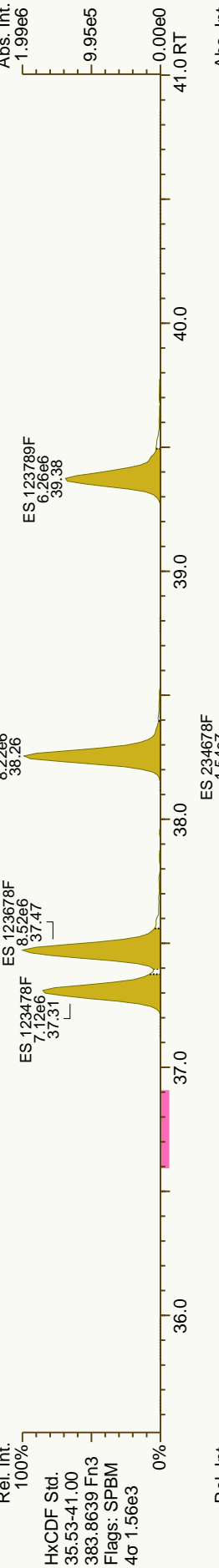
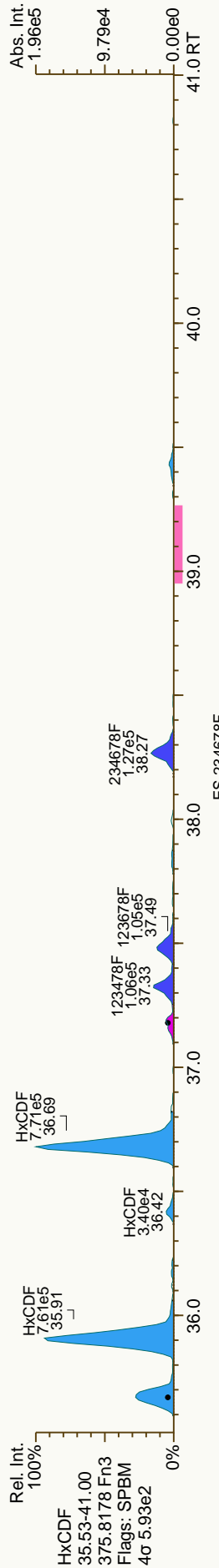
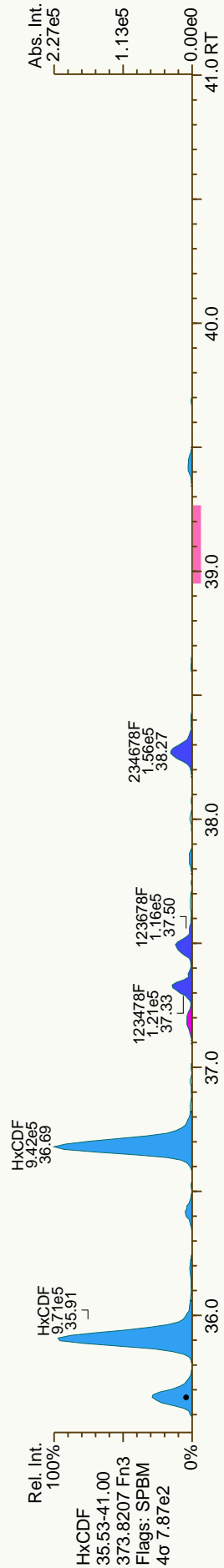


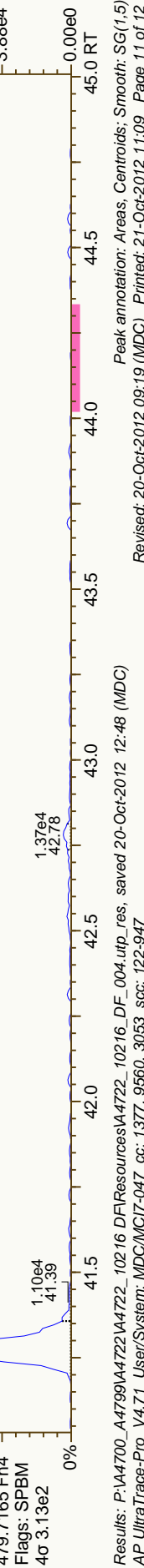
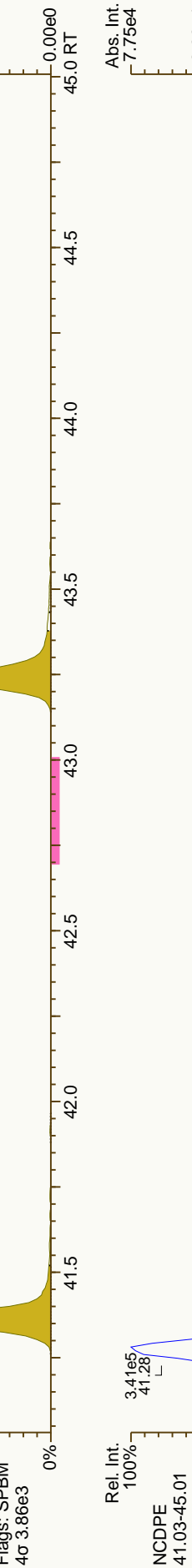
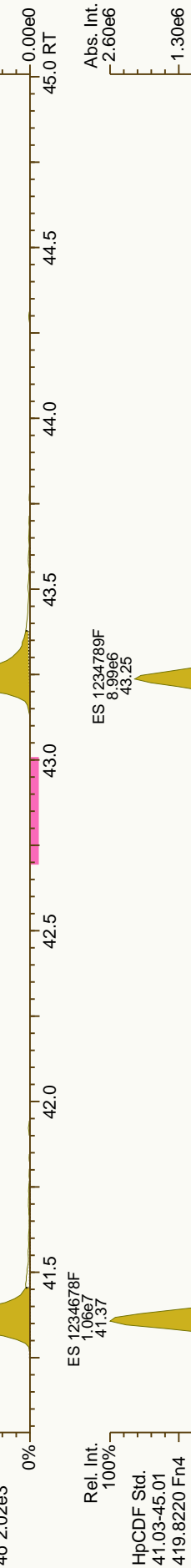
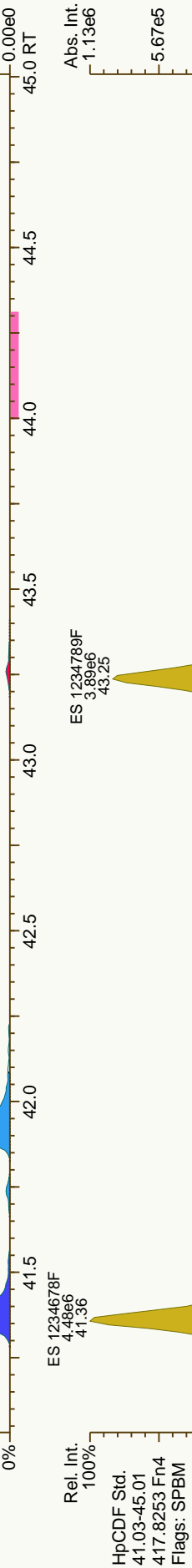
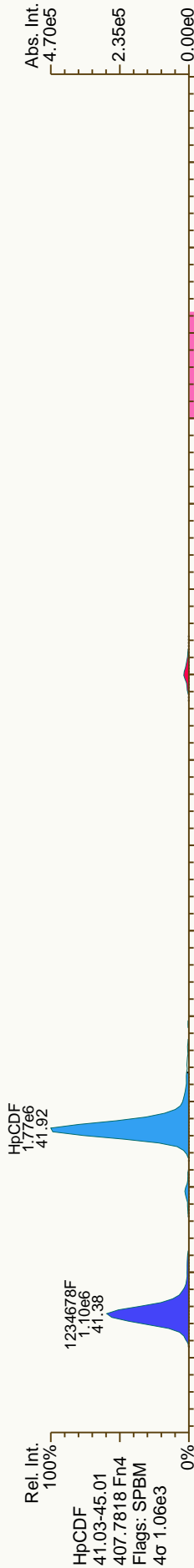


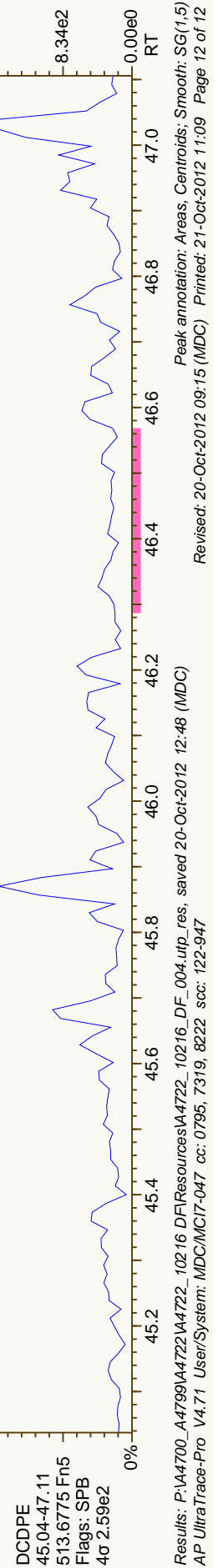
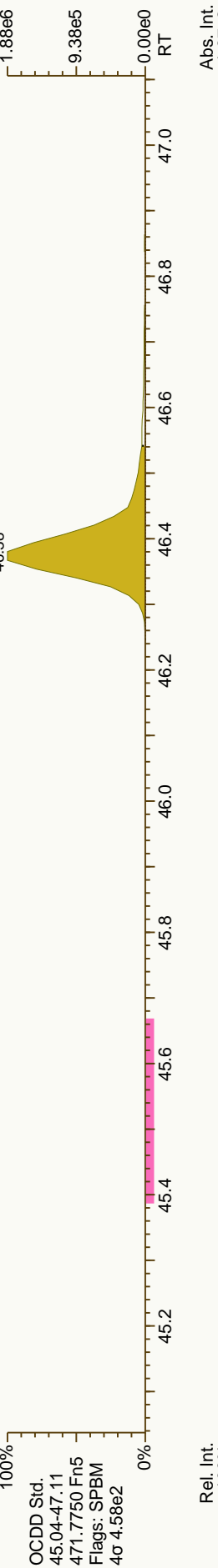
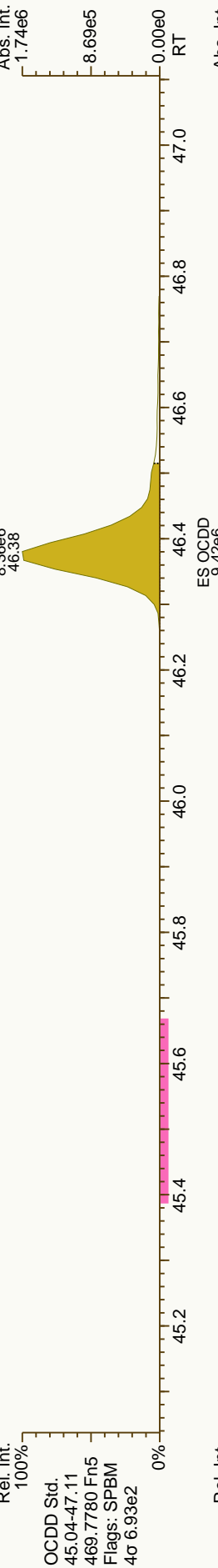
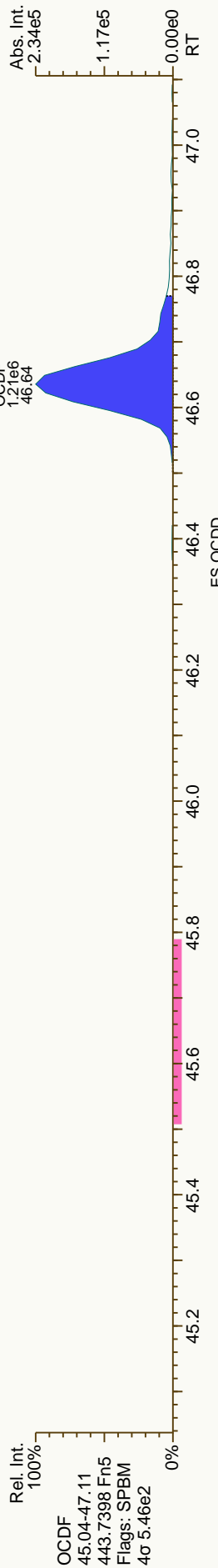
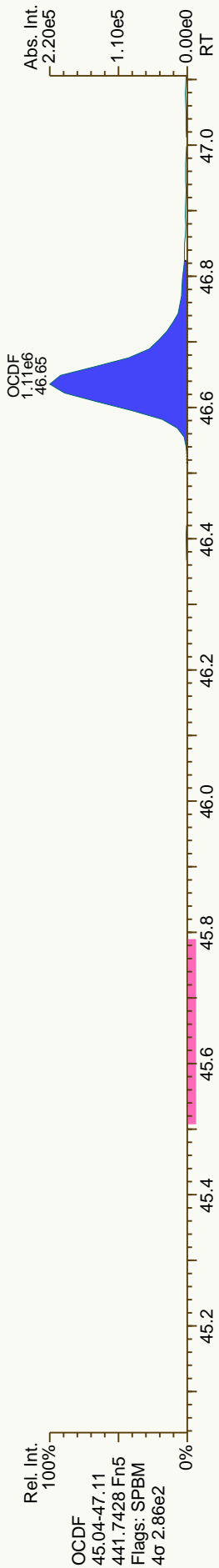












Quantify Sample Summary Report

MassLynx 4.1
 ### Confirms Sample Summary ###

Dataset: C:\MassLynx\Default.pro\Results\c31oct12b-Confirms.qld

Last Altered: Thursday, November 01, 2012 16:02:41 Eastern Daylight Time
 Printed: Thursday, November 01, 2012 16:05:22 Eastern Daylight Time

A4722-10216-001

31203249

Method: C:\MassLynx\Default.PRO\MethDB\VF\Xms-TCDF_Smooth.mdb 01 Nov 2012 13:33:15
 Calibration: C:\MassLynx\Default.PRO\CurveDB\VF\Xms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c31oct12b-14
 Date: 31-Oct-2012
 Time: 21:50:46
 ID: 31203249011
 User: JHL
 Submitter:
 Task: HRMS3

2378-TCDF (100751m) (20m) - 3.495 ps/s
 (20610) (1.218) (10.110)
 (590400) (1.218)

pen mps 11/1/12

Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RRT	RT	Conc	EDL	SN1	SN2	M	Height1	Noise1	Height2	Noise2	Smp S...	FV	
2378-TCDF	2.061e4	8.635e3	1.197e4	0.72	NO	1.0000	20.99	3.495	0.0840	94.2	123.7	db	1.935e5	2054	2.876e5	2326	16.40	20	
ES:13C-2378-TCDF	5.904e5	2.662e5	3.242e5	0.82	NO	1.0025	20.99	124.948	0.1948	1317.1	1818.6	bb	5.887e6	4469	7.705e6	4237	16.40	20	
JS:13C-1234-TCDD	3.482e5	1.565e5	1.917e5	0.82	NO	0.0000	20.94	121.951	0.3022	837.6	1177.8	bb	3.701e6	4419	4.409e6	3743	16.40	20	
Tetrafurans	-	9.703e4	-	-	-	-	-	37.521	0.0840	-	-	-	1.386e6	2054	-	-	16.40	20	
F1 Lock Mass	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83737	-	-	1.00	1

Quantify Sample Report MassLynx 4.1
Confirms Sample Summary

Dataset: C:\MassLynx\Default.pro\Results\c31oct12b-Confirms.qld

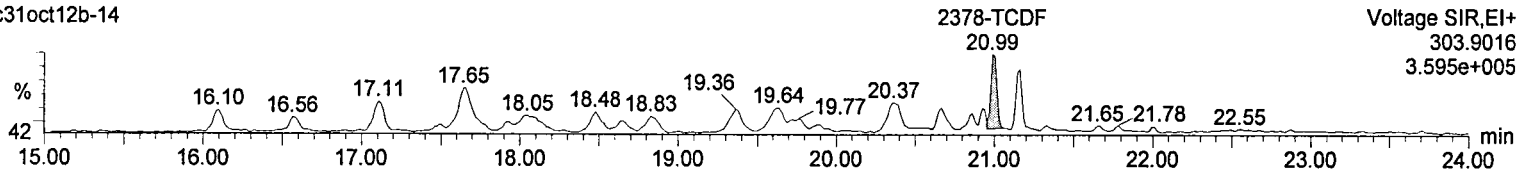
Last Altered: Thursday, 11/1/2012 11:23:28 AM Eastern Daylight Time
Printed: Thursday, 11/1/2012 11:24:55 AM Eastern Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\VFxms-TCDF_Smooth.mdb 31 Oct 2012 16:33:04
Calibration: C:\MassLynx\Default.PRO\CurveDB\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c31oct12b-14, ID: 31203249011

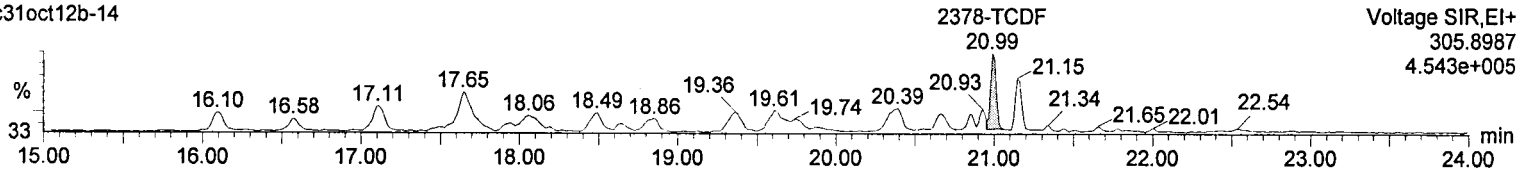
TCDF

c31oct12b-14



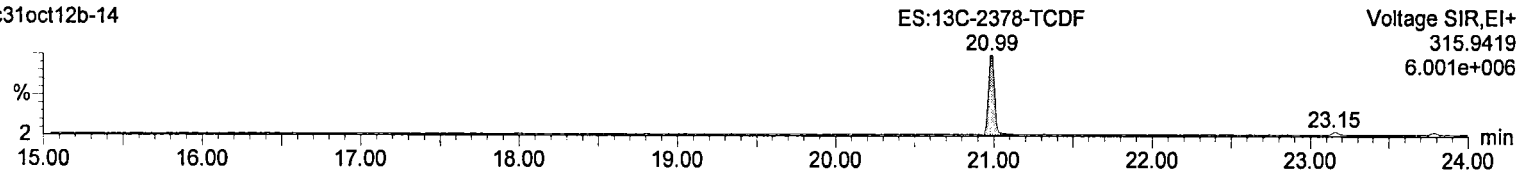
TCDF

c31oct12b-14



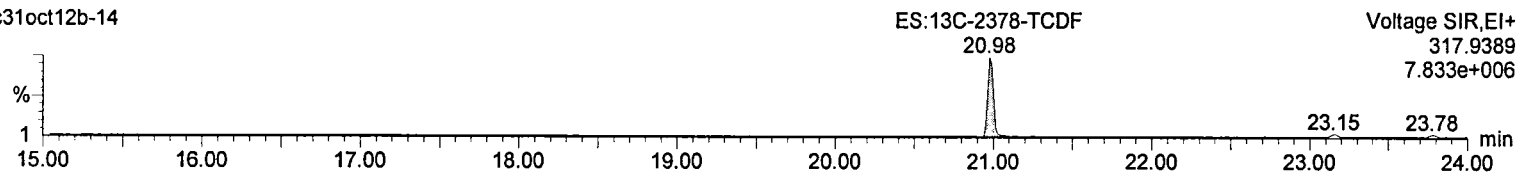
13C-TCDF

c31oct12b-14



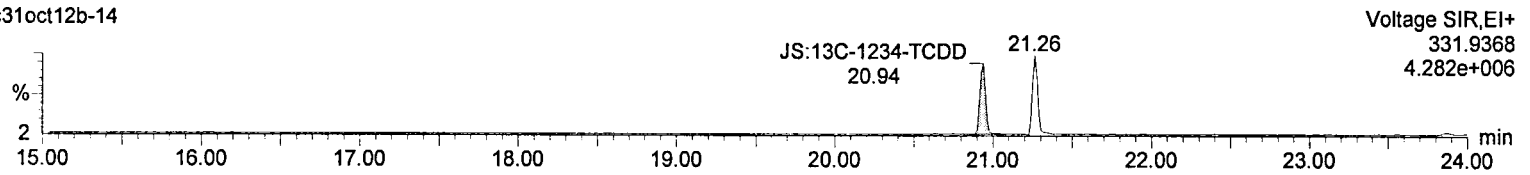
13C-TCDF

c31oct12b-14



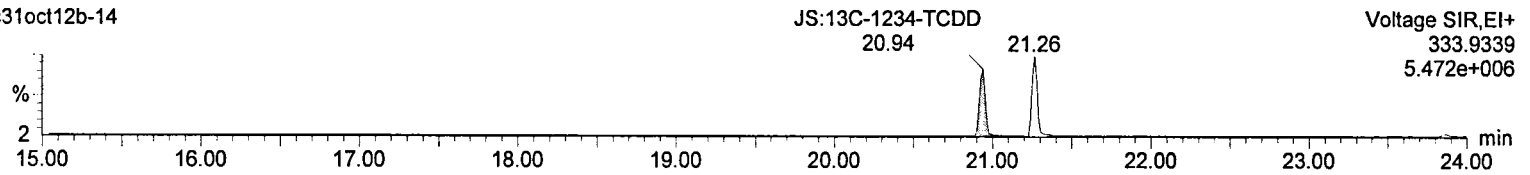
13C-TCDD

c31oct12b-14



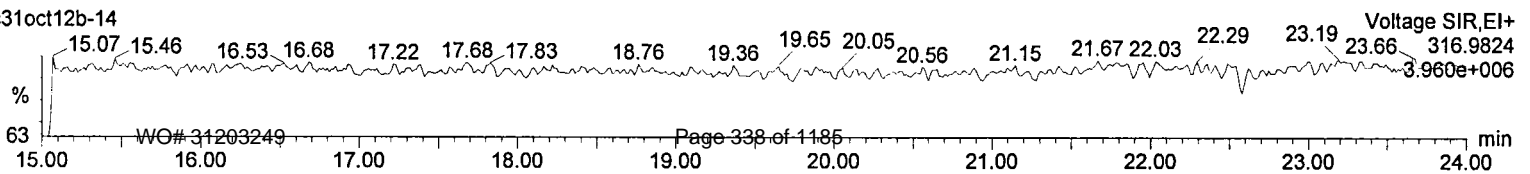
13C-TCDD

c31oct12b-14



F1 Lock Mass

c31oct12b-14



Results of JW-EA09-SS36-120507

Client Sample ID: **JW-EA09-SS36-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249011-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 14:01
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 61.30

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
1-MoCB	79.4			0.165	0.995	pg/g	10.44	3.14
2-MoCB	58.2			0.170	0.995	pg/g	12.29	3.20
3-MoCB	82.9			0.162	0.995	pg/g	12.46	3.29
4-DiCB	76.3			1.78	1.78	pg/g	12.67	1.57
5-DiCB	4.85			1.11	1.11	pg/g	15.09	1.55
6-DiCB	48.5			1.11	1.11	pg/g	14.82	1.57
7-DiCB	9.85			1.04	1.04	pg/g	14.62	1.45
8-DiCB	273			1.07	1.07	pg/g	15.21	1.58
9-DiCB	13.9			1.18	1.18	pg/g	14.47	1.46
10-DiCB		4.11		1.27	1.27	pg/g	12.83	1.81*
11-DiCB	750			1.10	1.10	pg/g	17.39	1.58
12-DiCB C13	42.2			1.08	1.99	pg/g	17.65	1.58
14-DiCB	2.81			0.933	0.995	pg/g	16.66	1.64
15-DiCB	232			1.01	1.01	pg/g	17.93	1.59
16-TrCB	249			0.365	0.995	pg/g	17.87	1.08
17-TrCB	242			0.266	0.995	pg/g	17.48	1.07
18-TrCB C30	542			0.226	1.99	pg/g	17.12	1.09
19-TrCB	35.6			0.287	0.995	pg/g	15.46	1.10
20-TrCB C28	1520			0.627	1.99	pg/g	20.56	1.04
21-TrCB C33	589			0.617	1.99	pg/g	20.76	1.04
22-TrCB	444			0.657	0.995	pg/g	21.10	1.05
23-TrCB	0.825		J	0.621	0.995	pg/g	19.58	1.10
24-TrCB	4.22			0.200	0.995	pg/g	17.78	1.08
25-TrCB	91.3			0.617	0.995	pg/g	20.04	1.05
26-TrCB C29	194			0.612	1.99	pg/g	19.83	1.04
27-TrCB	41.6			0.196	0.995	pg/g	17.67	1.10
31-TrCB	1230			0.590	0.995	pg/g	20.31	1.04
32-TrCB	170			0.187	0.995	pg/g	18.33	1.09
34-TrCB	8.08			0.654	0.995	pg/g	19.44	1.03
35-TrCB	39.5			0.655	0.995	pg/g	23.66	1.05
36-TrCB	9.79			0.607	0.995	pg/g	22.47	1.00
37-TrCB	390			0.627	0.995	pg/g	24.00	1.04
38-TrCB	ND		U	0.667	0.995	pg/g		
39-TrCB	7.54			0.577	0.995	pg/g	22.79	1.06
40-TeCB C71	711			0.240	1.99	pg/g	23.85	0.80
41-TeCB	118			0.326	0.995	pg/g	23.75	0.77
42-TeCB	384			0.266	0.995	pg/g	23.44	0.81
43-TeCB	50.0			0.319	0.995	pg/g	22.34	0.80
44-TeCB C47/65	1680			0.238	2.99	pg/g	22.99	0.80
45-TeCB	157			0.281	0.995	pg/g	20.63	0.79
46-TeCB	60.3			0.308	0.995	pg/g	20.89	0.81
48-TeCB	253			0.252	0.995	pg/g	22.81	0.78

Results of JW-EA09-SS36-120507

Client Sample ID: **JW-EA09-SS36-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249011-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 14:01
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 61.30

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
49-TeCB C69	1050			0.208	1.99	pg/g	22.56	0.80
50-TeCB C53	162			0.246	1.99	pg/g	20.05	0.81
51-TeCB	33.9			0.252	0.995	pg/g	20.71	0.83
52-TeCB	2960			0.259	0.995	pg/g	22.14	0.80
54-TeCB	1.05			0.117	0.995	pg/g	18.18	0.83
55-TeCB	25.3			0.966	0.995	pg/g	26.66	0.76
56-TeCB	817			1.00	1.00	pg/g	27.09	0.78
57-TeCB	6.17			0.933	0.995	pg/g	25.40	0.70
58-TeCB	7.33			0.929	0.995	pg/g	25.61	0.82
59-TeCB C62/75	109			0.186	2.99	pg/g	23.28	0.80
60-TeCB	438			0.961	0.995	pg/g	27.28	0.78
61-TeCB C70/74/76	3710			0.920	3.98	pg/g	26.26	0.78
63-TeCB	68.7			0.848	0.995	pg/g	25.97	0.78
64-TeCB	600			0.173	0.995	pg/g	24.05	0.79
66-TeCB	1930			0.967	0.995	pg/g	26.53	0.79
67-TeCB	45.8			0.903	0.995	pg/g	25.75	0.77
68-TeCB	14.5			0.859	0.995	pg/g	25.05	0.78
72-TeCB	25.6			0.932	0.995	pg/g	24.80	0.78
73-TeCB	2.63			0.184	0.995	pg/g	22.26	0.77
77-TeCB	194			0.974	0.995	pg/g	30.21	0.78
78-TeCB	ND		U	1.04	1.04	pg/g		
79-TeCB	27.4			0.883	0.995	pg/g	28.90	0.74
80-TeCB	ND		U	0.835	0.995	pg/g		
81-TeCB	6.55			0.957	0.995	pg/g	29.74	0.76
82-PeCB	462			0.324	0.995	pg/g	29.89	0.63
83-PeCB	237			0.337	0.995	pg/g	28.37	0.62
84-PeCB	999			0.314	0.995	pg/g	26.40	0.62
85-PeCB C116	597			0.214	1.99	pg/g	29.50	0.62
86-PeCB C108/119/125/87/97	2850			0.232	5.97	pg/g	28.93	0.62
88-PeCB	ND		U	0.276	0.995	pg/g		
89-PeCB	26.9			0.289	0.995	pg/g	26.82	0.63
90-PeCB C101/113	4650			0.235	2.99	pg/g	27.99	0.62
91-PeCB	440			0.248	0.995	pg/g	26.23	0.62
92-PeCB	1010			0.277	0.995	pg/g	27.51	0.62
93-PeCB C100	22.2			0.254	1.99	pg/g	25.69	0.62
94-PeCB	13.3			0.280	0.995	pg/g	25.12	0.60
95-PeCB	2720			0.264	0.995	pg/g	25.49	0.62
96-PeCB	20.2			0.161	0.995	pg/g	23.25	0.64
98-PeCB	3.60			0.273	0.995	pg/g	25.89	0.63
99-PeCB	2110			0.237	0.995	pg/g	28.48	0.63
102-PeCB	109			0.256	0.995	pg/g	25.81	0.63
103-PeCB	45.1			0.242	0.995	pg/g	24.94	0.63

Results of **JW-EA09-SS36-120507**

Client Sample ID: **JW-EA09-SS36-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249011-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 14:01
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 61.30

Results by **EPA 1668B**

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
104-PeCB	ND		U	0.123	0.995	pg/g		
105-PeCB	1670			0.229	0.995	pg/g	33.15	0.63
106-PeCB	ND		U	0.219	0.995	pg/g		
107-PeCB C124	146			0.208	1.99	pg/g	31.60	0.61
109-PeCB	292			0.196	0.995	pg/g	31.80	0.61
111-PeCB	ND		U	0.193	0.995	pg/g		
110-PeCB	5130		E	0.225	0.995	pg/g	29.63	0.62
112-PeCB	ND		U	0.200	0.995	pg/g		
114-PeCB	84.1			0.211	0.995	pg/g	32.62	0.62
115-PeCB	65.8			0.185	0.995	pg/g	29.73	0.63
117-PeCB	119			0.255	0.995	pg/g	29.43	0.61
118-PeCB	4000		E	0.209	0.995	pg/g	32.18	0.62
120-PeCB	22.4			0.196	0.995	pg/g	30.65	0.62
121-PeCB	ND		U	0.190	0.995	pg/g		
122-PeCB	43.2			0.243	0.995	pg/g	32.45	0.62
123-PeCB	52.3			0.191	0.995	pg/g	31.90	0.63
126-PeCB	7.16			0.337	0.995	pg/g	35.75	0.61
127-PeCB	ND		U	0.235	0.995	pg/g		
128-HxCB C166	751			0.733	1.99	pg/g	35.84	1.23
129-HxCB C138/163	4300			0.156	2.99	pg/g	34.79	1.25
130-HxCB	301			0.194	0.995	pg/g	34.25	1.26
131-HxCB	57.4			0.188	0.995	pg/g	31.86	1.25
132-HxCB	1360			0.181	0.995	pg/g	32.24	1.26
133-HxCB	74.9			0.178	0.995	pg/g	32.69	1.25
134-HxCB	259			0.208	0.995	pg/g	31.35	1.25
135-HxCB C151	1360			0.168	1.99	pg/g	30.43	1.26
136-HxCB	533			0.127	0.995	pg/g	28.38	1.27
137-HxCB	184			0.173	0.995	pg/g	34.44	1.24
139-HxCB C140	80.4			0.160	1.99	pg/g	31.70	1.23
141-HxCB	645			0.170	0.995	pg/g	33.91	1.26
142-HxCB	ND		U	0.187	0.995	pg/g		
143-HxCB	13.7			0.166	0.995	pg/g	31.44	1.23
144-HxCB	186			0.162	0.995	pg/g	30.90	1.27
145-HxCB	1.45			0.124	0.995	pg/g	28.63	1.12
146-HxCB	527			0.157	0.995	pg/g	33.23	1.27
147-HxCB C149	3090			0.162	1.99	pg/g	31.19	1.26
148-HxCB	8.18			0.164	0.995	pg/g	29.93	1.20
150-HxCB	3.54			0.116	0.995	pg/g	28.10	1.28
152-HxCB	3.03			0.120	0.995	pg/g	27.95	1.34
153-HxCB C168	2930			0.122	1.99	pg/g	33.76	1.26
154-HxCB	57.4			0.146	0.995	pg/g	30.65	1.27
155-HxCB	ND		U	0.104	0.995	pg/g		

Results of JW-EA09-SS36-120507

Client Sample ID: **JW-EA09-SS36-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249011-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 14:01
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 61.30

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
156-HxCB C157	538			0.753	1.99	pg/g	38.28	1.23
158-HxCB	428			0.120	0.995	pg/g	35.12	1.26
159-HxCB	ND		U	0.634	0.995	pg/g		
160-HxCB	ND		U	0.136	0.995	pg/g		
161-HxCB	ND		U	0.128	0.995	pg/g		
162-HxCB	15.1			0.612	0.995	pg/g	36.94	1.28
164-HxCB	264			0.119	0.995	pg/g	34.52	1.27
165-HxCB	1.36			0.141	0.995	pg/g	33.03	1.24
167-HxCB	160			0.570	0.995	pg/g	37.33	1.24
169-HxCB	ND		U	0.824	0.995	pg/g		
170-HpCB	586			0.515	0.995	pg/g	40.50	1.03
171-HpCB C173	191			0.425	1.99	pg/g	37.54	1.03
172-HpCB	110			0.528	0.995	pg/g	38.91	1.06
174-HpCB	578			0.418	0.995	pg/g	36.63	1.05
175-HpCB	28.0			0.389	0.995	pg/g	35.74	1.02
176-HpCB	66.1			0.120	0.995	pg/g	33.62	1.05
177-HpCB	342			0.433	0.995	pg/g	37.00	1.05
178-HpCB	116			0.177	0.995	pg/g	35.18	1.06
179-HpCB	251			0.132	0.995	pg/g	32.88	1.06
180-HpCB C193	1200			0.413	1.99	pg/g	39.46	1.05
181-HpCB	7.30			0.372	0.995	pg/g	37.35	1.06
182-HpCB	4.82			0.351	0.995	pg/g	36.11	1.07
183-HpCB	310			0.335	0.995	pg/g	36.46	1.04
184-HpCB	0.573		J	0.132	0.995	pg/g	33.35	1.08
185-HpCB	38.7			0.383	0.995	pg/g	36.53	1.06
186-HpCB	ND		U	0.128	0.995	pg/g		
187-HpCB	658			0.364	0.995	pg/g	35.94	1.05
188-HpCB	0.753		J	0.117	0.995	pg/g	32.62	1.11
189-HpCB	23.3			0.295	0.995	pg/g	43.13	1.06
190-HpCB	89.7			0.385	0.995	pg/g	40.95	1.05
191-HpCB	25.8			0.385	0.995	pg/g	39.75	1.07
192-HpCB	ND		U	0.401	0.995	pg/g		
194-OcCB	237			0.569	0.995	pg/g	44.89	0.91
195-OcCB	82.6			0.611	0.995	pg/g	42.91	0.93
196-OcCB	112			0.345	0.995	pg/g	41.65	0.90
197-OcCB	5.88			0.235	0.995	pg/g	38.64	0.93
198-OcCB C199	259			0.359	1.99	pg/g	41.10	0.90
200-OcCB	20.7			0.259	0.995	pg/g	38.72	0.93
201-OcCB	30.3			0.244	0.995	pg/g	37.90	0.90
202-OcCB	55.6			0.263	0.995	pg/g	37.12	0.91
203-OcCB	160			0.328	0.995	pg/g	41.82	0.90
204-OcCB	ND		U	0.258	0.995	pg/g		

Results of JW-EA09-SS36-120507

Client Sample ID: **JW-EA09-SS36-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249011-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 14:01
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 61.30

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
205-OcCB	8.86			0.422	0.995	pg/g	45.29	0.88
206-NoCB	79.5			0.324	0.995	pg/g	46.75	0.78
207-NoCB	13.6			0.275	0.995	pg/g	43.50	0.74
208-NoCB	29.9			0.253	0.995	pg/g	42.72	0.80
209-DeCB	45.5			0.386	0.995	pg/g	48.09	1.18
Total Monochlorobiphenyls	220			0.163		pg/g		
Total Dichlorobiphenyls	1460			1.39		pg/g		
Total Trichlorobiphenyls	5810			0.457		pg/g		
Total Tetrachlorobiphenyls	15700			0.510		pg/g		
Total Pentachlorobiphenyls	28000			0.217		pg/g		
Total Hexachlorobiphenyls	18100			0.563		pg/g		
Total Heptachlorobiphenyls	4620			0.332		pg/g		
Total Octachlorobiphenyls	971			0.342		pg/g		
Total Nonachlorobiphenyls	123			0.289		pg/g		
Total Decachlorobiphenyl	45.5			0.386		pg/g		
Total PCBs	75000			1.39		pg/g		

World Health Organization Summary

	<u>Units</u>	<u>ND=0</u>	<u>ND=½</u>	<u>ND=DL</u>
WHO-2005 TEQ	pg/g	0.933	0.946	0.958
WHO-2005 TEQ w/EMPC	pg/g	0.933	0.946	0.958

Results of JW-EA09-SS36-120507

Client Sample ID: **JW-EA09-SS36-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249011-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 14:01
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 61.30

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
1L-MoCB	57.0				4.00-100	%		
3L-MoCB	69.0				11.0-106	%		
4L-DiCB	75.0				14.0-107	%		
15L-DiCB	78.0				19.0-107	%		
19L-TrCB	77.0				1.00-108	%		
37L-TrCB	79.0				25.0-123	%		
54L-TeCB	111*				13.0-105	%		
77L-TeCB	83.0				31.0-109	%		
81L-TeCB	85.0				14.0-127	%		
104L-PeCB	91.0				36.0-115	%		
105L-PeCB	77.0				50.0-111	%		
114L-PeCB	77.0				41.0-121	%		
118L-PeCB	81.0				49.0-111	%		
123L-PeCB	86.0				49.0-116	%		
126L-PeCB	84.0				50.0-106	%		
155L-HxCB	99.0				25.0-124	%		
156L-HxCB C157L	72.0				40.0-120	%		
167L-HxCB	73.0				45.0-118	%		
169L-HxCB	60.0				37.0-117	%		
188L-HpCB	93.0				23.0-125	%		
189L-HpCB	99.0				47.0-116	%		
202L-OcCB	77.0				31.0-134	%		
205L-OcCB	95.0				46.0-115	%		
206L-NoCB	136*				38.0-122	%		
208L-NoCB	99.0				31.0-126	%		
209L-DeCB	88.0				43.0-115	%		
28L-TrCB	105				14.0-131	%		
111L-PeCB	103				57.0-112	%		
178L-HpCB	106				57.0-125	%		

Batch Information

Analytical Batch: **HRP1313**
 Analytical Method: **EPA 1668B**
 Instrument: **APHRMS**
 Analyst: **LKB**
 Analytical Date/Time: **10/17/2012 06:37**

Prep Batch: **HXX1803**
 Prep Method: **EPA 1668B PREP S/D/T**
 Prep Date/Time: **10/10/2012 10:29**
 Prep Initial Wt./Vol.: **16.4 g**
 Prep Extract Vol: **20 uL**



Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77	33'44'-TeCB		1.0006	1.0006	0	3.28E+07	0.78	1.13	194	1.55E+04	0.974
PCB-81	344'5'-TeCB		1.0006	1.0005	-0.2	1.09E+06	0.76	1.13	6.55	1.55E+04	0.957
PCB-105	233'44'-PeCB		1.0007	1.0007	0	1.90E+08	0.63	1.09	1,670	2.43E+03	0.229
PCB-114	2344'5'-PeCB		1.0007	1.0007	0	1.03E+07	0.62	1.16	84.1	2.43E+03	0.211
PCB-118	23'44'5'-PeCB	E	1.0008	1.0007	-0.2	5.03E+08	0.62	1.11	4,000	2.43E+03	0.209
PCB-123	23'44'5'-PeCB		1.0006	1.0007	+0.2	7.13E+06	0.63	1.19	52.3	2.43E+03	0.191
PCB-126	33'44'5'-PeCB		1.0006	1.0002	-0.9	8.32E+05	0.61	1.06	7.16	3.45E+03	0.337
PCB-156/157	...-HxCB	C	1.0005	1.0002	-0.7	5.38E+07	1.23	1.11	538	5.48E+03	0.753
PCB-167	23'44'55'-HxCB		1.0006	1.0005	-0.2	1.70E+07	1.24	1.14	160	5.48E+03	0.57
PCB-169	33'44'55'-HxCB	NotFnd	1.0005	-		0.00E+00		1.11	ND	5.48E+03	0.824
PCB-189	233'44'55'-HpCB		1.0005	1.0004	-0.3	2.00E+06	1.06	1.06	23.3	2.24E+03	0.295
PCB-209	DeCB		1.0004	1.0004	0	2.38E+06	1.18	1.07	45.5	1.45E+03	0.386
ES PCB-1	10.43		0.7215	0.7215	0	3.58E+07	3.30	1.08	57.3 %	25%	150%
ES PCB-3	12.44		0.8610	0.8610	0	4.33E+07	3.18	1.08	69.2 %	25%	150%
ES PCB-4	12.66		0.8755	0.8755	0	2.13E+07	1.63	0.49	75.4 %	25%	150%
ES PCB-15	17.92		1.2391	1.2396	+0.5	5.01E+07	1.57	1.11	78 %	25%	150%
ES PCB-19	15.45		1.0683	1.0686	+0.3	2.48E+07	1.04	0.55	77.4 %	25%	150%
ES PCB-37	23.99		1.0844	1.0847	+0.4	3.46E+07	1.08	1.64	79.2 %	25%	150%
ES PCB-54	18.16		0.8213	0.8210	-0.3	2.79E+07	0.77	0.94	111 %	25%	150%
ES PCB-77	30.19		1.3648	1.3652	+0.7	2.97E+07	0.79	1.35	82.5 %	25%	150%
ES PCB-81	29.72		1.3435	1.3441	+1.1	2.94E+07	0.79	1.29	85.3 %	25%	150%
ES PCB-104	22.93		0.8203	0.8199	-0.6	1.97E+07	1.55	0.99	91.2 %	25%	150%
ES PCB-105	33.13		1.1849	1.1844	-1.0	2.07E+07	1.62	1.23	77 %	25%	150%
ES PCB-114	32.60		1.1658	1.1655	-0.6	2.10E+07	1.66	1.25	77.3 %	25%	150%
ES PCB-118	32.16		1.1499	1.1496	-0.6	2.26E+07	1.57	1.28	81.2 %	25%	150%
ES PCB-123	31.88		1.1399	1.1396	-0.6	2.28E+07	1.62	1.22	86.2 %	25%	150%
ES PCB-126	35.74		1.2781	1.2779	-0.4	2.18E+07	1.57	1.20	83.5 %	25%	150%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	27.80		0.7992	0.7995	+0.5	2.54E+07	1.25	1.50	99.2 %	25%	150%
ES PCB-156/157	38.27		1.1007	1.1007	0	3.60E+07	1.34	1.45	72.3 %	25%	150%
ES PCB-167	37.31		1.0731	1.0733	+0.4	1.86E+07	1.32	1.49	72.9 %	25%	150%
ES PCB-169	41.00		1.1789	1.1794	+1.2	1.44E+07	1.31	1.40	60 %	25%	150%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	32.59		0.7266	0.7263	-0.6	1.87E+07	1.03	1.18	92.8 %	25%	150%
ES PCB-189	43.11		0.9608	0.9608	0	1.62E+07	1.07	1.49	99 %	25%	150%
ES PCB-202	37.10		0.8271	0.8267	-0.9	1.49E+07	0.89	1.14	76.8 %	25%	150%
ES PCB-205	45.27		1.0088	1.0088	0	1.25E+07	0.91	1.20	94.5 %	25%	150%

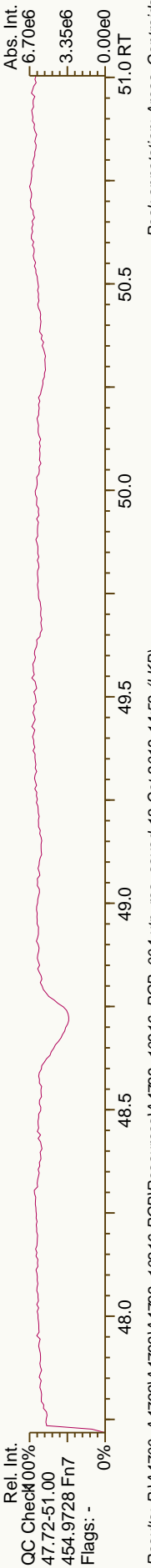
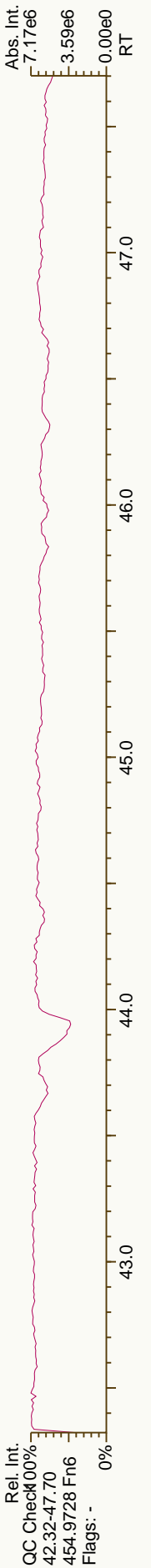
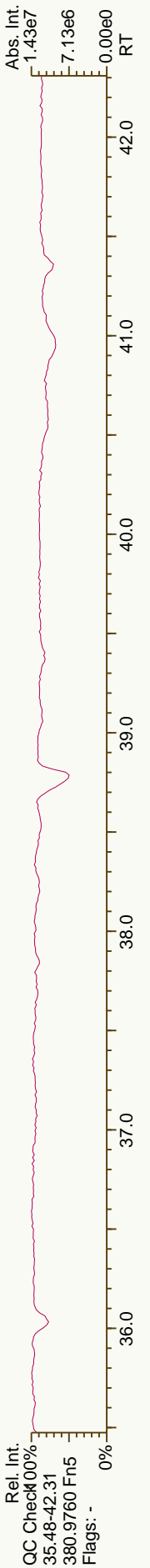
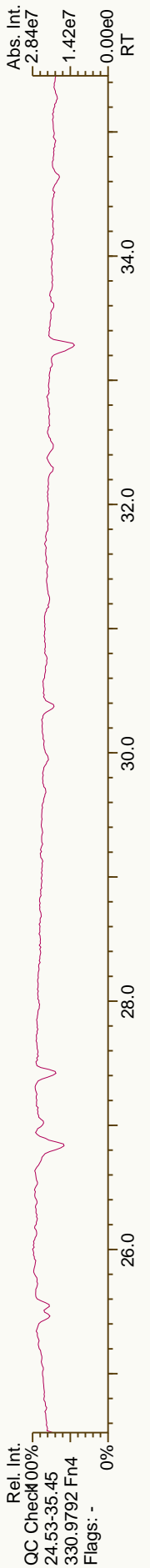
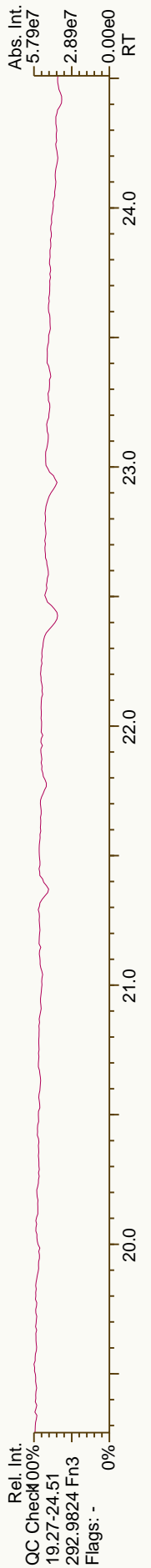
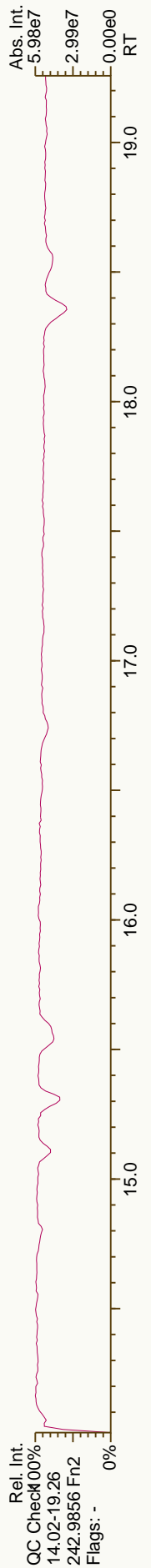
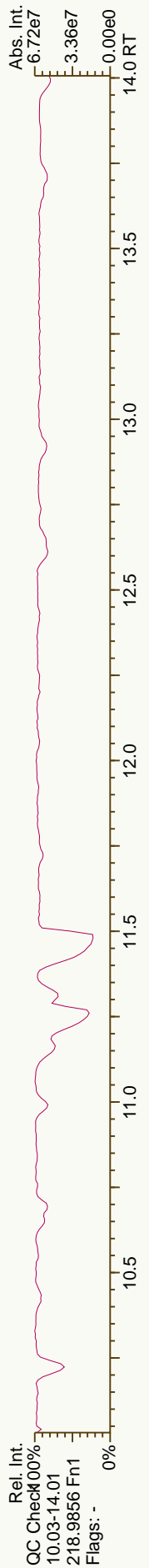
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	46.74		1.0414	1.0417	+0.8	1.29E+07	0.82	0.87	136 %	25 %	150 %
ES PCB-208	42.70		0.9519	0.9515	-1.0	1.30E+07	0.78	1.19	99.4 %	25 %	150 %
ES PCB-209	48.06		1.0714	1.0711	-0.9	9.70E+06	1.19	1.00	88.2 %	25 %	150 %
SS PCB-28	20.54		0.9294	0.9290	-0.5	4.92E+07	1.06	1.07	132 %	30 %	135 %
SS PCB-111	30.24		1.0814	1.0812	-0.4	2.73E+07	1.63	1.01	119 %	30 %	135 %
SS PCB-178	35.16		1.0112	1.0112	0	1.34E+07	1.07	0.63	114 %	30 %	135 %
CS PCB-28	20.54		0.9294	0.9290	-0.5	4.92E+07	1.06	1.76	105 %	30 %	135 %
CS PCB-111	30.24		1.0814	1.0812	-0.4	2.73E+07	1.63	1.23	103 %	30 %	135 %
CS PCB-178	35.16		1.0112	1.0112	0	1.34E+07	1.07	0.74	106 %	30 %	135 %
JS PCB-9	14.45					5.78E+07	1.57				
JS PCB-52	22.11					2.68E+07	0.79				
JS PCB-101	27.97					2.17E+07	1.62				
JS PCB-138	34.77					1.71E+07	1.24				
JS PCB-194	44.87					1.10E+07	0.93				
Totals											
						NON-EMPC	EMPC		DL		
						Mono-CBS	220	220	0.163		
						Di-CBS	1,450	1,460	1.39		
						Tri-CBS	5,810	5,810	0.457		
						Tetra-CBS	15,700	15,700	0.51		
						Penta-CBS	28,000	28,000	0.217		
						Hexa-CBS	18,100	18,100	0.563		
						Hepta-CBS	4,620	4,620	0.332		
						Octa-CBS	971	971	0.342		
						Nona-CBS	123	123	0.289		
PCB-1 2-MoCB	10.44		1.0011	1.0011	0	1.47E+07	3.14	1.03	79.4	5.36E+03	0.165
PCB-2 3-MoCB	12.29		0.9880	0.9879	-0.1	1.26E+07	3.20	1.00	58.2	5.36E+03	0.17
PCB-3 4-MoCB	12.46		1.0009	1.0010	+0.1	1.88E+07	3.29	1.04	82.9	5.36E+03	0.162
PCB-4 22'-DiCB	12.67		1.0011	1.0011	0	9.54E+06	1.57	1.17	76.3	3.23E+04	1.78
PCB-10 26'-DiCB	12.83	EMPC	1.0140	1.0139	-0.1	7.22E+05	1.81	1.64	4.11	3.23E+04	1.27
PCB-9 25'-DiCB	14.47		1.0010	1.0010	0	3.24E+06	1.46	0.92	13.9	3.04E+04	1.18
PCB-7 24'-DiCB	14.62		1.0115	1.0114	-0.1	2.60E+06	1.45	1.05	9.85	3.04E+04	1.04
PCB-6 23'-DiCB	14.82		1.0256	1.0255	-0.1	1.20E+07	1.57	0.99	48.5	3.04E+04	1.11
PCB-5 23'-DiCB	15.09		1.0444	1.0443	-0.1	1.20E+06	1.55	0.98	4.85	3.04E+04	1.11
PCB-8 24'-DiCB	15.21		1.0523	1.0523	0	7.01E+07	1.58	1.02	273	3.04E+04	1.07
PCB-14 35'-DiCB	16.66		0.9302	0.9299	-0.3	8.29E+05	1.64	1.17	2.81	3.04E+04	0.933
PCB-11 33'-DiCB	17.39		0.9709	0.9705	-0.4	1.88E+08	1.58	1.00	750	3.04E+04	1.1
PCB-13/12 34'/34'-DiCB	17.65	C	0.9859	0.9853	-0.6	1.08E+07	1.58	1.02	42.2	3.04E+04	1.08
PCB-15 44'-DiCB	17.93		1.0008	1.0008	0	6.32E+07	1.59	1.08	232	3.04E+04	1.01

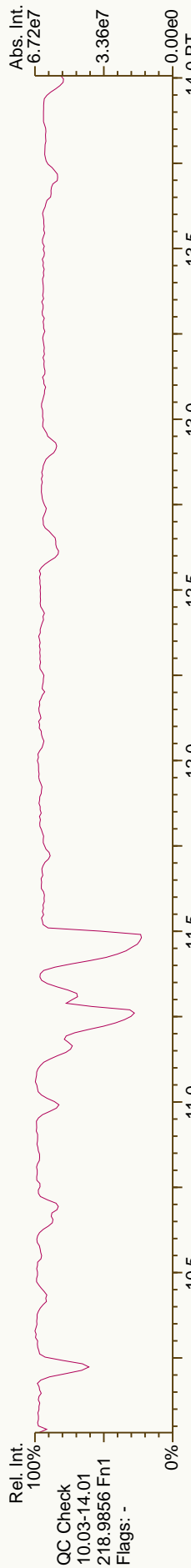
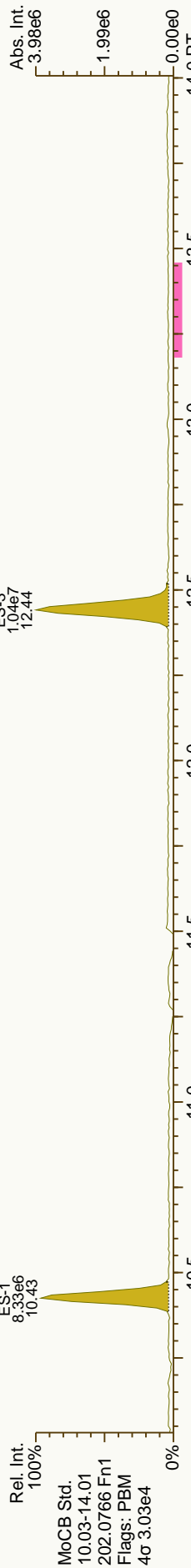
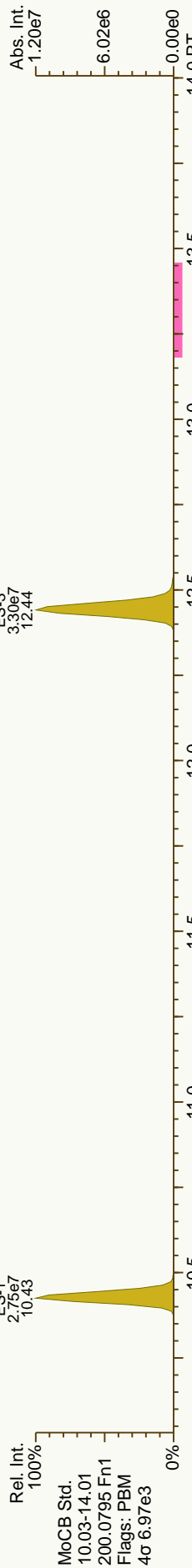
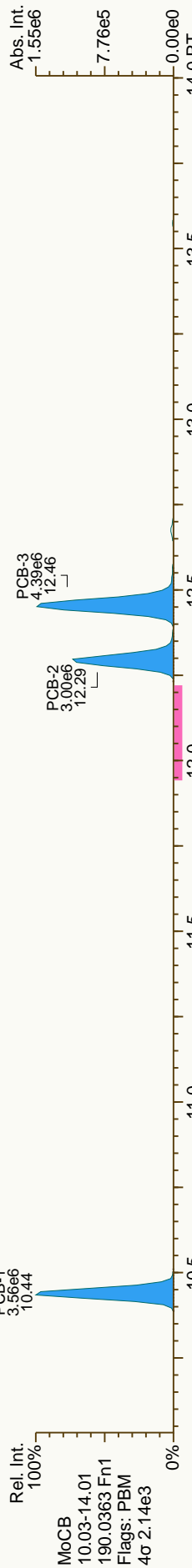
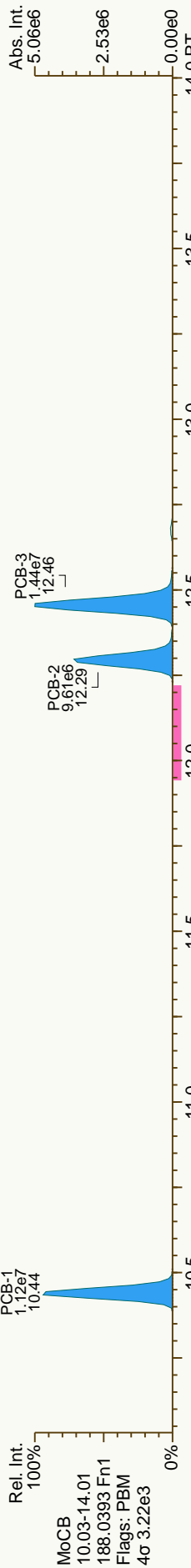
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc./Recv.	Noise/Recv. Low	DL/Recv. High
PCB-19	22'6"-TrCB		1.0011	1.0011	0	4.85E+06	1.10	1.09	35.6	4.69E+03	0.287
PCB-30/18	246/22'5"-TrCB	C	1.1077	1.1082	+0.5	9.36E+07	1.09	1.39	542	4.69E+03	0.226
PCB-17	22'4"-TrCB		1.1317	1.1319	+0.2	3.55E+07	1.07	1.18	242	4.69E+03	0.266
PCB-27	23'6"-TrCB		1.1435	1.1437	+0.2	8.32E+06	1.10	1.61	41.6	4.69E+03	0.196
PCB-24	236"-TrCB		1.1514	1.1509	-0.5	8.26E+05	1.08	1.57	4.22	4.69E+03	0.2
PCB-16	22'3"-TrCB		1.1568	1.1570	+0.2	2.66E+07	1.08	0.86	249	4.69E+03	0.365
PCB-32	24'6"-TrCB		1.1866	1.1869	+0.3	3.57E+07	1.09	1.68	170	4.69E+03	0.187
PCB-34	23'5"-TrCB		0.8111	0.8105	-0.7	1.49E+06	1.03	1.06	8.08	1.19E+04	0.654
PCB-23	235"-TrCB	J	0.8168	0.8163	-0.6	1.60E+05	1.10	1.11	0.825	1.19E+04	0.621
PCB-26/29	23'5'/245"-TrCB	C	0.8282	0.8268	-1.7	3.82E+07	1.04	1.13	194	1.19E+04	0.612
PCB-25	23'4"-TrCB		0.8361	0.8354	-0.8	1.78E+07	1.05	1.12	91.3	1.19E+04	0.617
PCB-31	24'5"-TrCB		0.8472	0.8466	-0.7	2.52E+08	1.04	1.17	1,230	1.19E+04	0.59
PCB-28/20	244'/233'-TrCB	C	0.8581	0.8573	-1.0	2.92E+08	1.04	1.10	1,520	1.19E+04	0.627
PCB-21/33	234'/23'4"-TrCB	C	0.8650	0.8656	+0.7	1.15E+08	1.04	1.12	589	1.19E+04	0.617
PCB-22	234'-TrCB		0.8802	0.8796	-0.8	8.14E+07	1.05	1.05	444	1.19E+04	0.657
PCB-36	33'5"-TrCB		0.9366	0.9366	0	1.94E+06	1.00	1.14	9.79	1.19E+04	0.607
PCB-39	34'5"-TrCB		0.9494	0.9502	+1.1	1.57E+06	1.06	1.20	7.54	1.19E+04	0.577
PCB-38	345"-TrCB		0.9701	-		0.00E+00		1.04	ND	1.19E+04	0.667
PCB-35	33'4"-TrCB		0.9865	0.9863	-0.3	7.26E+06	1.05	1.06	39.5	1.19E+04	0.655
PCB-37	344'-TrCB		1.0007	1.0008	+0.1	7.49E+07	1.04	1.10	390	1.19E+04	0.627
PCB-54	22'66"-TeCB		1.0010	1.0011	+0.1	1.78E+05	0.83	1.21	1.05	2.12E+03	0.117
PCB-50/53	22'46'/22'56"-TeCB	C	0.9082	0.9067	-1.8	1.97E+07	0.81	0.82	162	2.91E+03	0.246
PCB-45	22'36"-TeCB		0.9329	0.9328	-0.1	1.67E+07	0.79	0.72	157	2.91E+03	0.281
PCB-51	22'46'-TeCB		0.9363	0.9364	+0.1	4.01E+06	0.83	0.80	33.9	2.91E+03	0.252
PCB-46	22'36'-TeCB		0.9450	0.9446	-0.5	5.86E+06	0.81	0.66	60.3	2.91E+03	0.308
PCB-52	22'55'-TeCB		1.0010	1.0010	0	3.43E+08	0.80	0.78	2,960	2.91E+03	0.259
PCB-73	23'5'6"-TeCB		1.0065	1.0067	+0.3	4.27E+05	0.77	1.10	2.63	2.91E+03	0.184
PCB-43	22'35"-TeCB		1.0102	1.0102	0	4.68E+06	0.80	0.63	50	2.91E+03	0.319
PCB-69/49	23'46'/22'45"-TeCB	C	1.0192	1.0203	+1.5	1.52E+08	0.80	0.98	1,050	2.91E+03	0.208
PCB-48	22'45"-TeCB		1.0311	1.0314	+0.4	3.00E+07	0.78	0.80	253	2.91E+03	0.252
PCB-44/47/65	...-TeCB	C	1.0405	1.0398	-1.0	2.11E+08	0.80	0.85	1,680	2.91E+03	0.238
PCB-59/62/75	...-TeCB	C	1.0526	1.0526	0	1.76E+07	0.80	1.09	109	2.91E+03	0.186
PCB-42	22'34"-TeCB		1.0595	1.0598	+0.4	4.33E+07	0.81	0.76	384	2.91E+03	0.266
PCB-41	22'34"-TeCB		1.0737	1.0741	+0.6	1.09E+07	0.77	0.62	118	2.91E+03	0.326
PCB-71/40	23'4'6'/22'33'-TeCB	C	1.0782	1.0787	+0.7	8.85E+07	0.80	0.84	711	2.91E+03	0.24
PCB-64	234'6"-TeCB		1.0872	1.0877	+0.7	1.04E+08	0.79	1.17	600	2.91E+03	0.173
PCB-72	23'55'-TeCB		0.8338	0.8343	+0.7	4.38E+06	0.78	1.16	25.6	1.55E+04	0.932
PCB-68	23'45'-TeCB		0.8421	0.8427	+0.9	2.68E+06	0.78	1.26	14.5	1.55E+04	0.859
PCB-57	233'5"-TeCB		0.8540	0.8547	+1.1	1.05E+06	0.70	1.16	6.17	1.55E+04	0.933
PCB-58	233'5'-TeCB		0.8605	0.8615	+1.5	1.26E+06	0.82	1.16	7.33	1.55E+04	0.929
PCB-67	23'45"-TeCB		0.8657	0.8664	+1.1	8.07E+06	0.77	1.19	45.8	1.55E+04	0.903
PCB-63	234'5"-TeCB		0.8731	0.8738	+1.1	1.29E+07	0.78	1.27	68.7	1.55E+04	0.848
PCB-61/70/74/76	...-TeCB	C	0.8824	0.8836	+1.9	6.41E+08	0.78	1.17	3,710	1.55E+04	0.92
PCB-66	23'44'-TeCB		0.8919	0.8925	+1.0	3.17E+08	0.79	1.11	1,930	1.55E+04	0.967
PCB-55	233'4"-TeCB		0.8963	0.8968	+0.8	4.17E+06	0.76	1.12	25.3	1.55E+04	0.966

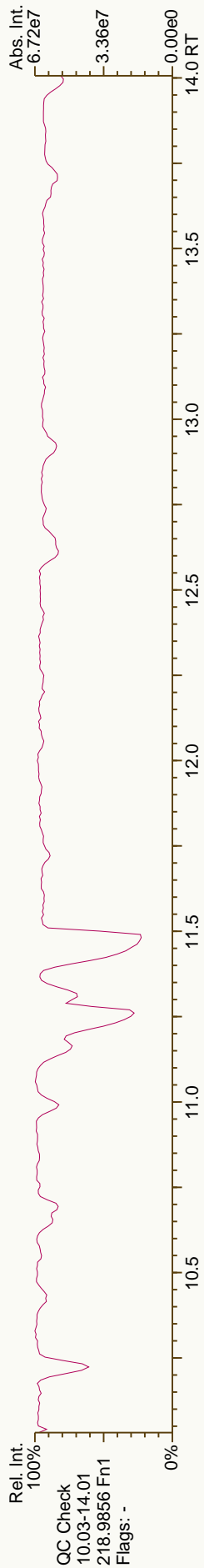
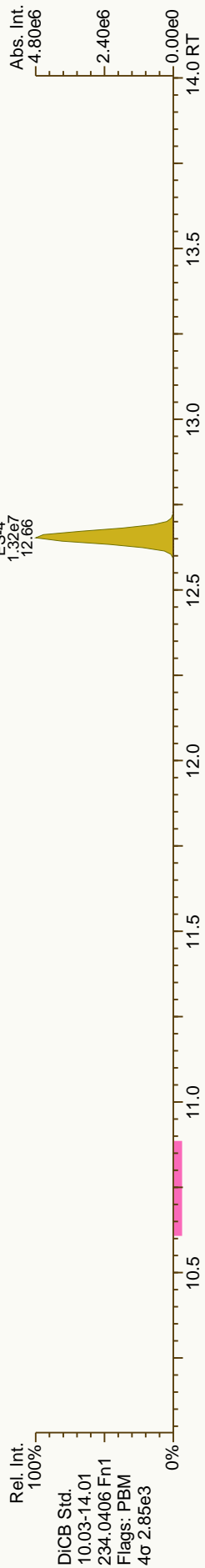
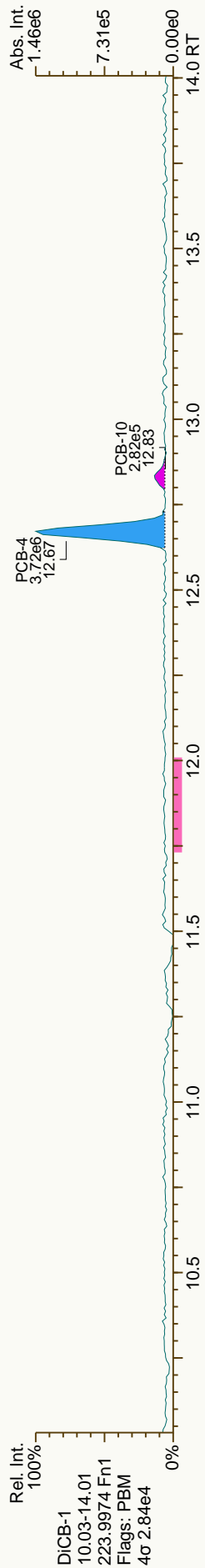
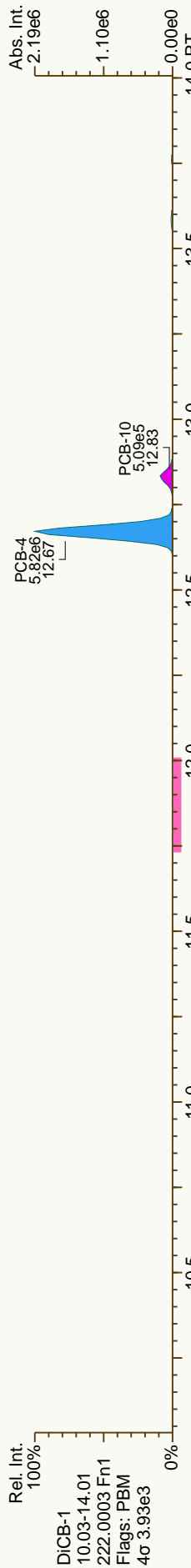
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.09		0.9106	0.9114	+1.3	1.30E+08	0.78	1.08	817	1.55E+04	1
PCB-60 234'-TeCB	27.28		0.9169	0.9177	+1.3	7.25E+07	0.78	1.12	438	1.55E+04	0.961
PCB-80 33'55'-TeCB	NotFnd		0.9292	-		0.00E+00		1.29	ND	1.55E+04	0.835
PCB-79 33'45'-TeCB	28.90		0.9724	0.9721	-0.5	4.95E+06	0.74	1.22	27.4	1.55E+04	0.883
PCB-78 33'45'-TeCB	NotFnd		0.9882	-		0.00E+00		1.04	ND	1.55E+04	1.04
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.25	ND	1.54E+03	0.123
PCB-96 22'366'-PeCB	23.25		1.0138	1.0136	-0.3	1.90E+06	0.64	0.95	20.2	1.54E+03	0.161
PCB-103 22'45'6'-PeCB	24.94		0.8916	0.8918	+0.3	4.85E+06	0.63	0.94	45.1	2.43E+03	0.242
PCB-94 22'356'-PeCB	25.12		0.8978	0.8980	+0.3	1.23E+06	0.60	0.81	13.3	2.43E+03	0.28
PCB-95 22'35'6'-PeCB	25.49		0.9111	0.9114	+0.5	2.69E+08	0.62	0.86	2,720	2.43E+03	0.264
PCB-100/93 22'44'6'/22'356'-PeCB	25.69	C	0.9186	0.9186	0	2.29E+06	0.62	0.90	22.2	2.43E+03	0.254
PCB-102 22'456'-PeCB	25.81		0.9226	0.9226	0	1.11E+07	0.63	0.89	109	2.43E+03	0.256
PCB-98 22'34'6'-PeCB	25.89		0.9249	0.9258	+1.4	3.44E+05	0.63	0.83	3.6	2.43E+03	0.273
PCB-88 22'346'-PeCB	NotFnd		0.9350	-		0.00E+00		0.83	ND	2.43E+03	0.276
PCB-91 22'34'6'-PeCB	26.23		0.9375	0.9377	+0.3	4.62E+07	0.62	0.92	440	2.43E+03	0.248
PCB-84 22'33'6'-PeCB	26.40		0.9438	0.9439	+0.2	8.29E+07	0.62	0.72	999	2.43E+03	0.314
PCB-89 22'346'-PeCB	26.82		0.9584	0.9588	+0.6	2.43E+06	0.63	0.79	26.9	2.43E+03	0.289
PCB-121 23'45'6'-PeCB	NotFnd		0.9722	-		0.00E+00		1.20	ND	2.43E+03	0.19
PCB-92 22'355'-PeCB	27.51		0.9830	0.9835	+0.8	9.50E+07	0.62	0.82	1,010	2.43E+03	0.277
PCB-113/90/101 ...-PeCB	27.99	C	0.9999	1.0008	+1.5	5.17E+08	0.62	0.97	4,650	2.43E+03	0.235
PCB-83 22'33'5'-PeCB	28.37		1.0148	1.0143	-0.9	1.84E+07	0.62	0.68	237	2.43E+03	0.337
PCB-99 22'44'5'-PeCB	28.48		1.0185	1.0182	-0.5	2.33E+08	0.63	0.96	2,110	2.43E+03	0.237
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.14	ND	2.43E+03	0.2
PCB-108/119/86/97/125...-PeCB	28.93	C	1.0339	1.0344	+0.9	3.20E+08	0.62	0.98	2,850	2.43E+03	0.232
PCB-117 234'56'-PeCB	29.43		1.0526	1.0522	-0.7	1.21E+07	0.61	0.89	119	2.43E+03	0.255
PCB-116/85 23456'/22'344'-PeCB	29.50	C	1.0553	1.0547	-1.1	7.29E+07	0.62	1.06	597	2.43E+03	0.214
PCB-110 233'4'6'-PeCB	29.63	E	1.0599	1.0594	-0.9	5.94E+08	0.62	1.01	5,130	2.43E+03	0.225
PCB-115 2344'6'-PeCB	29.73		1.0629	1.0629	0	9.27E+06	0.63	1.23	65.8	2.43E+03	0.185
PCB-82 22'33'4'-PeCB	29.89		1.0693	1.0686	-1.3	3.72E+07	0.63	0.70	462	2.43E+03	0.324
PCB-111 233'55'-PeCB	NotFnd		1.0822	-		0.00E+00		1.18	ND	2.43E+03	0.193
PCB-120 23'455'-PeCB	30.65		1.0962	1.0959	-0.6	2.99E+06	0.62	1.16	22.4	2.43E+03	0.196
PCB-107/124 ...-PeCB	31.60	C	0.9911	0.9912	+0.2	1.83E+07	0.61	1.09	146	2.43E+03	0.208
PCB-109 233'46'-PeCB	31.80		0.9974	0.9976	+0.4	3.90E+07	0.61	1.16	292	2.43E+03	0.196
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		1.04	ND	2.43E+03	0.219
PCB-122 233'4'5'-PeCB	32.45		1.0093	1.0091	-0.4	4.58E+06	0.62	1.01	43.2	2.43E+03	0.243
PCB-127 33'455'-PeCB	NotFnd		1.0386	-		0.00E+00		1.07	ND	2.43E+03	0.235
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	1.45E+03	0.104
PCB-152 22'3566'-HxCB	27.95		1.0056	1.0055	-0.2	3.65E+05	1.34	0.95	3.03	1.45E+03	0.12
PCB-150 22'34'66'-HxCB	28.10		1.0111	1.0109	-0.3	4.43E+05	1.28	0.98	3.54	1.45E+03	0.116
PCB-136 22'33'66'-HxCB	28.38		1.0213	1.0209	-0.7	6.09E+07	1.27	0.90	533	1.45E+03	0.127
PCB-145 22'3466'-HxCB	28.63		1.0309	1.0302	-1.2	1.69E+05	1.12	0.92	1.45	1.45E+03	0.124
PCB-148 22'34'56'-HxCB	29.93		1.0774	1.0770	-0.7	7.21E+05	1.20	0.69	8.18	1.45E+03	0.164
PCB-151/135 ...-HxCB	30.43	C	1.0955	1.0948	-1.3	1.17E+08	1.26	0.67	1,360	1.45E+03	0.168
PCB-154 22'44'56'-HxCB	30.65		1.1032	1.1027	-0.9	5.67E+06	1.27	0.78	57.4	1.45E+03	0.146
PCB-144 22'345'6'-HxCB	30.90		1.1122	1.1116	-1.1	1.65E+07	1.27	0.70	186	1.45E+03	0.162

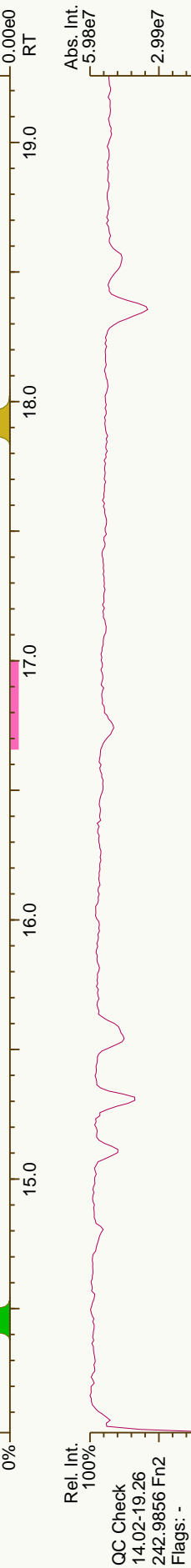
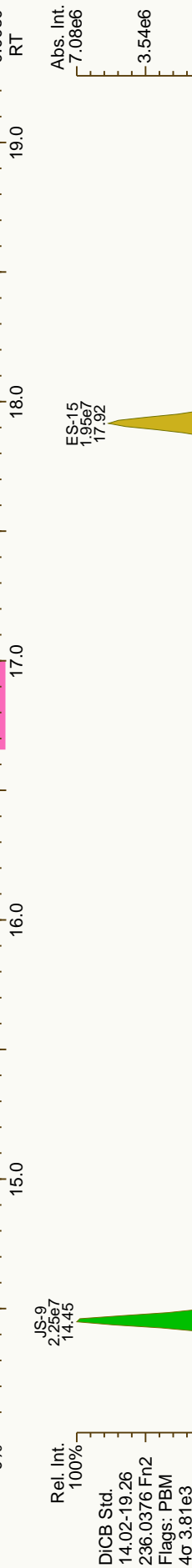
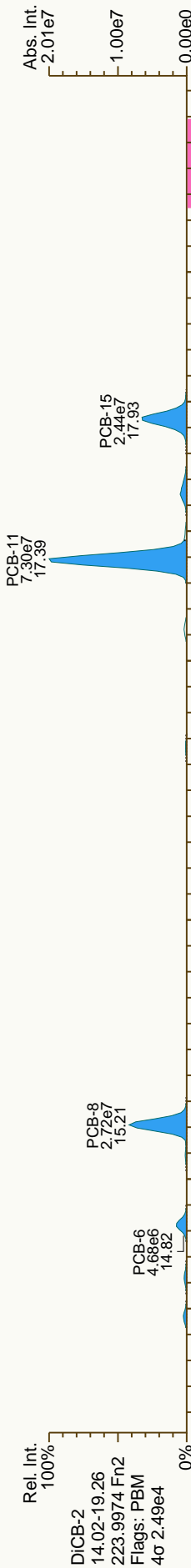
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc./Recv.	Noise/Recv. Low	DL/Recv. High
PCB-147/149 ...-HxCB	31.19	C	1.1230	1.1221	-1.7	2.76E+08	1.26	0.70	3,090	1.45E+03	0.162
PCB-134 22'33'56'-HxCB	31.35		1.1286	1.1280	-1.1	1.80E+07	1.25	0.54	259	1.45E+03	0.208
PCB-143 22'34'56'-HxCB	31.44		1.1315	1.1312	-0.6	1.19E+06	1.23	0.68	13.7	1.45E+03	0.166
PCB-139/140 ...-HxCB	31.70	C	1.1413	1.1405	-1.5	7.28E+06	1.23	0.71	80.4	1.45E+03	0.16
PCB-131 22'33'46'-HxCB	31.86		1.1470	1.1463	-1.3	4.42E+06	1.25	0.60	57.4	1.45E+03	0.188
PCB-142 22'34'56'-HxCB	NotFnd		1.1518	-		0.00E+00		0.61	ND	1.45E+03	0.187
PCB-132 22'33'46'-HxCB	32.24		1.1605	1.1599	-1.2	1.09E+08	1.26	0.63	1,360	1.45E+03	0.181
PCB-133 22'33'55'-HxCB	32.69		1.1765	1.1762	-0.6	6.10E+06	1.25	0.64	74.9	1.45E+03	0.178
PCB-165 233'55'6'-HxCB	33.03		0.9500	0.9500	0	1.40E+05	1.24	0.81	1.36	1.45E+03	0.141
PCB-146 22'34'55'-HxCB	33.23		0.9560	0.9558	-0.4	4.87E+07	1.27	0.72	527	1.45E+03	0.157
PCB-161 233'45'6'-HxCB	NotFnd		0.9593	-		0.00E+00		0.89	ND	1.45E+03	0.128
PCB-153/168 ...-HxCB	33.76	C	0.9715	0.9709	-1.2	3.48E+08	1.26	0.93	2,930	1.45E+03	0.122
PCB-141 22'34'55'-HxCB	33.91		0.9753	0.9752	-0.2	5.49E+07	1.26	0.67	645	1.45E+03	0.17
PCB-130 22'33'45'-HxCB	34.25		0.9850	0.9850	0	2.25E+07	1.26	0.59	301	1.45E+03	0.194
PCB-137 22'34'45'-HxCB	34.44		0.9906	0.9905	-0.2	1.54E+07	1.24	0.66	184	1.45E+03	0.173
PCB-164 233'4'5'6'-HxCB	34.52		0.9931	0.9930	-0.2	3.21E+07	1.27	0.95	264	1.45E+03	0.119
PCB-163/138/129 ...-HxCB	34.79	C	1.0012	1.0007	-1.0	3.99E+08	1.25	0.73	4,300	1.45E+03	0.156
PCB-160 233'45'6'-HxCB	NotFnd		1.0048	-		0.00E+00		0.83	ND	1.45E+03	0.136
PCB-158 233'44'6'-HxCB	35.12		1.0103	1.0103	0	5.18E+07	1.26	0.95	428	1.45E+03	0.12
PCB-128/166 ...-HxCB	35.84	C	0.9607	0.9604	-0.6	6.21E+07	1.23	0.88	751	5.48E+03	0.733
PCB-159 233'45'5'-HxCB	NotFnd		0.9834	-		0.00E+00		1.02	ND	5.48E+03	0.634
PCB-162 233'4'55'-HxCB	36.94		0.9898	0.9899	+0.2	1.49E+06	1.28	1.06	15.1	5.48E+03	0.612
PCB-188 22'34'56'6'-HxCB	32.62	J	1.0006	1.0007	+0.2	7.31E+04	1.11	1.03	0.753	1.07E+03	0.117
PCB-179 22'33'56'6'-HxCB	32.88		1.0088	1.0087	-0.2	2.15E+07	1.06	0.91	251	1.07E+03	0.132
PCB-184 22'34'46'6'-HxCB	33.35	J	1.0231	1.0233	+0.4	4.92E+04	1.08	0.91	0.573	1.07E+03	0.132
PCB-176 22'33'46'6'-HxCB	33.62		1.0317	1.0317	0	6.23E+06	1.05	1.00	66.1	1.07E+03	0.12
PCB-186 22'34'56'6'-HxCB	NotFnd		1.0434	-		0.00E+00		0.94	ND	1.07E+03	0.128
PCB-178 22'33'55'6'-HxCB	35.18		1.0791	1.0793	+0.4	7.43E+06	1.06	0.68	116	1.07E+03	0.177
PCB-175 22'33'45'6'-HxCB	35.74		1.0956	1.0966	+2.1	2.03E+06	1.02	0.77	28	2.67E+03	0.389
PCB-187 22'34'55'6'-HxCB	35.94		1.1026	1.1028	+0.4	5.10E+07	1.05	0.83	658	2.67E+03	0.364
PCB-182 22'34'44'56'6'-HxCB	36.11		1.1079	1.1079	0	3.88E+05	1.07	0.86	4.82	2.67E+03	0.351
PCB-183 22'34'44'5'6'-HxCB	36.46		1.1185	1.1186	+0.2	2.62E+07	1.04	0.90	310	2.67E+03	0.335
PCB-185 22'34'55'6'-HxCB	36.53		1.1208	1.1209	+0.2	2.85E+06	1.06	0.79	38.7	2.67E+03	0.383
PCB-174 22'33'45'6'-HxCB	36.63		1.1240	1.1240	0	3.91E+07	1.05	0.72	578	2.67E+03	0.418
PCB-177 22'33'45'6'-HxCB	37.00		1.1353	1.1354	+0.2	2.24E+07	1.05	0.70	342	2.67E+03	0.433
PCB-181 22'34'45'6'-HxCB	37.35		1.1459	1.1460	+0.2	5.54E+05	1.06	0.81	7.3	2.67E+03	0.372
PCB-171/173 ...-HxCB	37.54	C	1.1512	1.1517	+1.1	1.27E+07	1.03	0.71	191	2.67E+03	0.425
PCB-172 22'33'45'5'-HxCB	38.91		0.9026	0.9025	-0.2	6.27E+06	1.06	0.71	110	2.67E+03	0.528
PCB-192 233'45'5'6'-HxCB	NotFnd		0.9083	-		0.00E+00		0.93	ND	2.67E+03	0.401
PCB-180/193 ...-HxCB	39.46	C	0.9146	0.9153	+1.7	8.77E+07	1.05	0.90	1,200	2.67E+03	0.413
PCB-191 233'44'5'6'-HxCB	39.75		0.9222	0.9221	-0.2	2.03E+06	1.07	0.97	25.8	2.67E+03	0.385
PCB-170 22'33'44'5'-HxCB	40.50		0.9396	0.9394	-0.5	3.44E+07	1.03	0.72	586	2.67E+03	0.515
PCB-190 233'44'56'-HxCB	40.95		0.9500	0.9499	-0.2	7.05E+06	1.05	0.97	89.7	2.67E+03	0.385
PCB-202 22'33'55'6'6'-OCCB	37.12		1.0006	1.0006	0	3.82E+06	0.91	0.91	55.6	1.59E+03	0.263
PCB-201 22'33'45'6'6'-OCCB	37.90		1.0215	1.0215	0	2.23E+06	0.90	0.98	30.3	1.59E+03	0.244

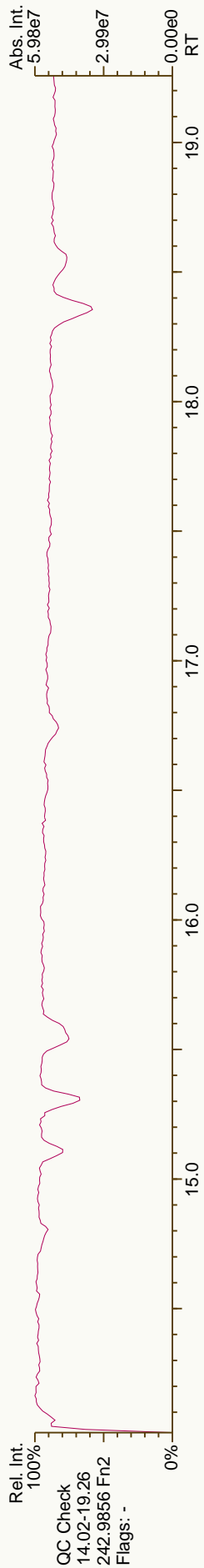
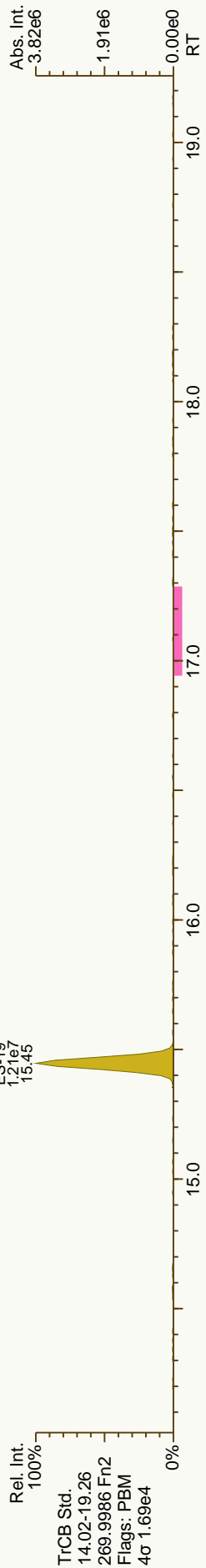
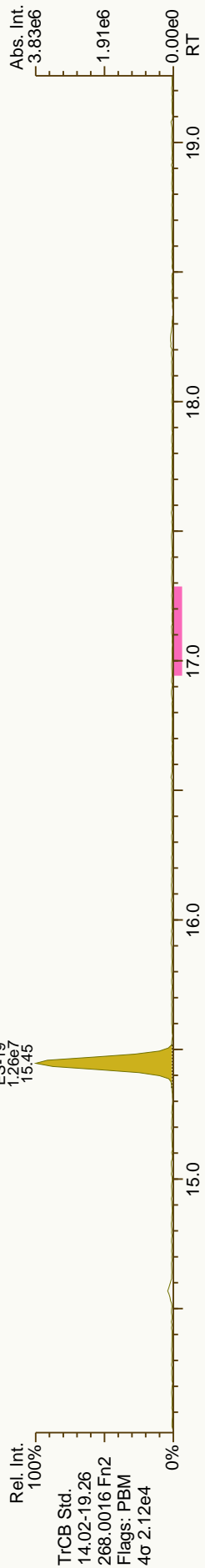
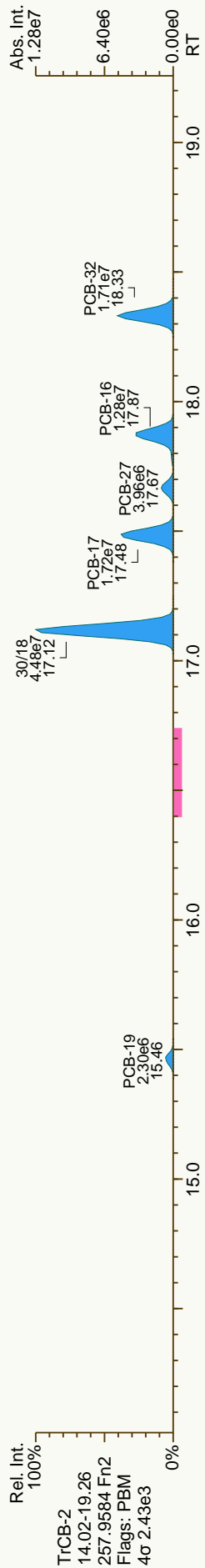
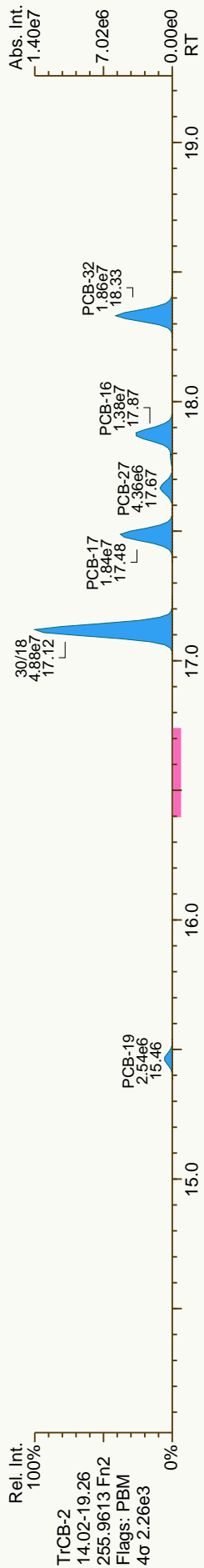
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204	22'344'566'-OCCB	NotFnd	1.0369	-		0.00E+00	0.93	0.93	ND	1.59E+03	0.258
PCB-197	22'33'44'66'-OCCB		1.0420	1.0417	-0.7	4.51E+05	0.93	1.02	5.88	1.59E+03	0.235
PCB-200	22'33'4566'-OCCB		1.0441	1.0437	-0.9	1.44E+06	0.93	0.93	20.7	1.59E+03	0.259
PCB-198/199	...-OCCB	C	1.1072	1.1079	+1.7	1.30E+07	0.90	0.67	259	1.59E+03	0.359
PCB-196	22'33'44'56'-OCCB		1.1225	1.1227	+0.5	5.88E+06	0.90	0.70	112	1.59E+03	0.345
PCB-203	22'344'55'6-OCCB		1.1270	1.1273	+0.8	8.77E+06	0.90	0.73	160	1.59E+03	0.328
PCB-195	22'33'44'56-OCCB		0.9483	0.9479	-1.0	3.89E+06	0.93	0.75	82.6	2.44E+03	0.611
PCB-194	22'33'44'55'-OCCB		0.9917	0.9917	0	1.20E+07	0.91	0.81	237	2.44E+03	0.569
PCB-205	233'44'55'6-OCCB		1.0004	1.0005	+0.3	6.04E+05	0.88	1.09	8.86	2.44E+03	0.422
PCB-208	22'33'455'66'-NoCB		1.0005	1.0005	0	1.99E+06	0.80	1.02	29.9	1.31E+03	0.253
PCB-207	22'33'44'566'-NoCB		1.0188	1.0187	-0.3	8.30E+05	0.74	0.94	13.6	1.31E+03	0.275
PCB-206	22'33'44'55'6-NoCB		1.0004	1.0001	-0.8	5.05E+06	0.78	0.98	79.5	1.31E+03	0.324

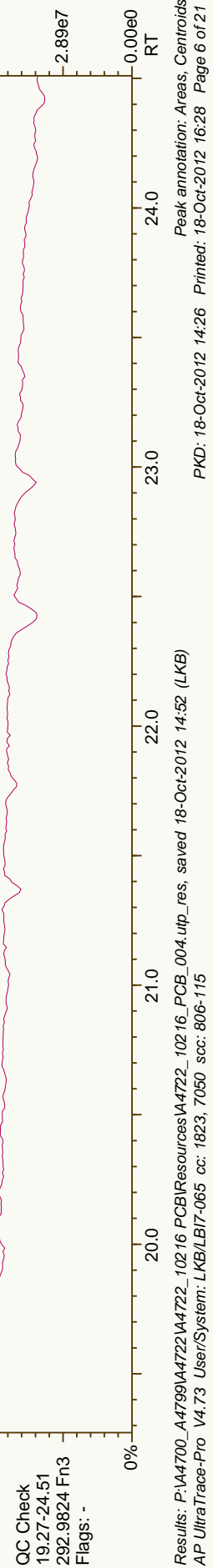
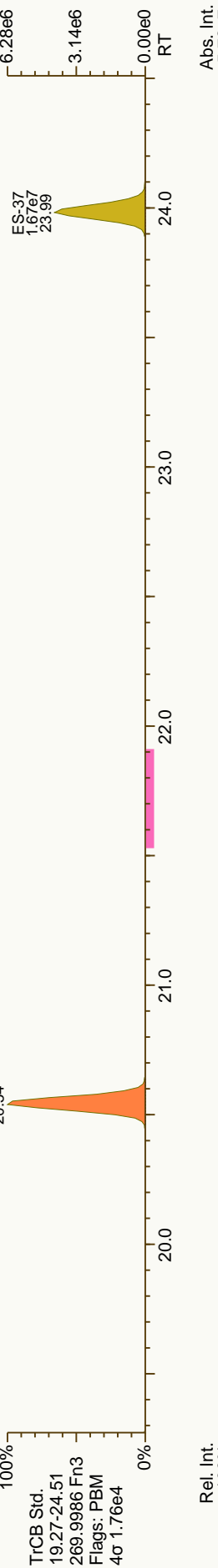
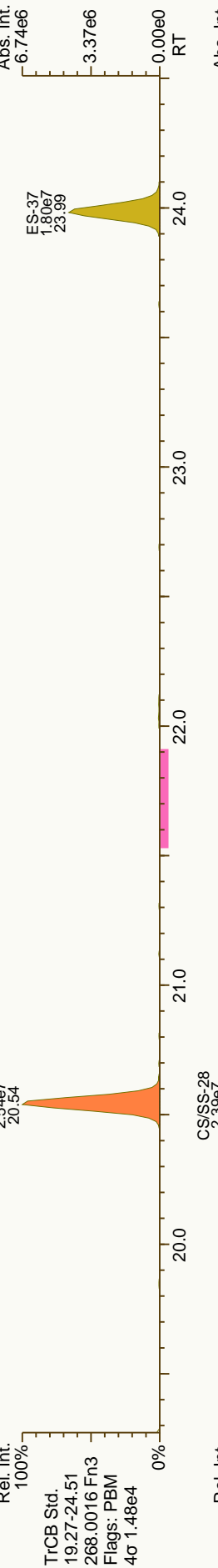
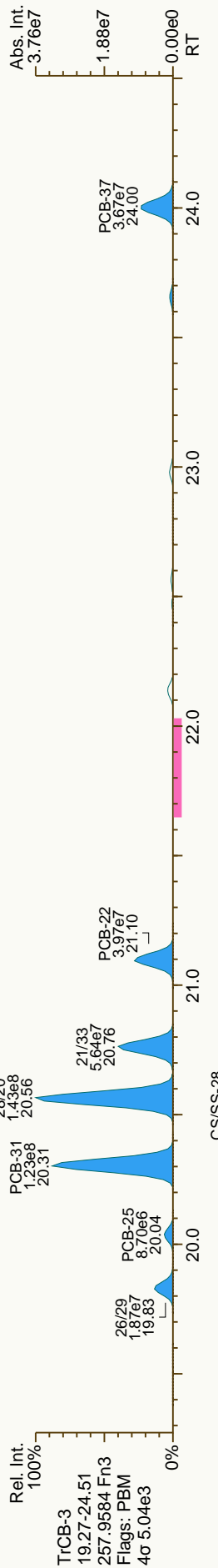
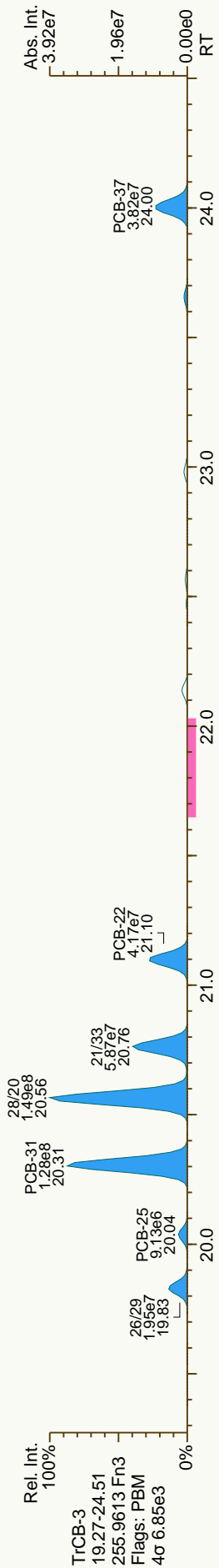


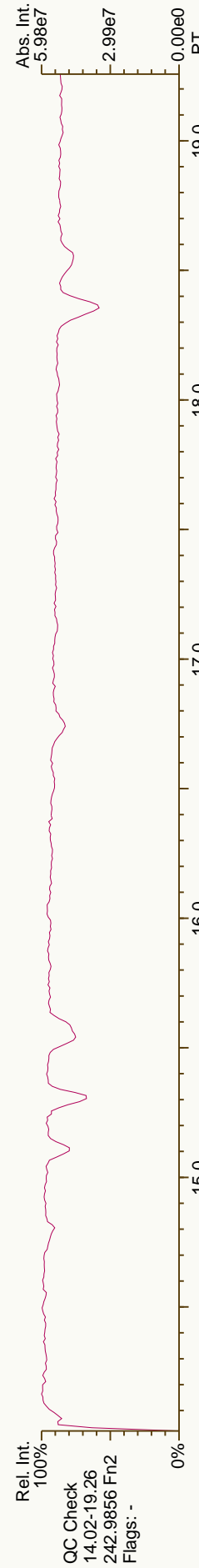
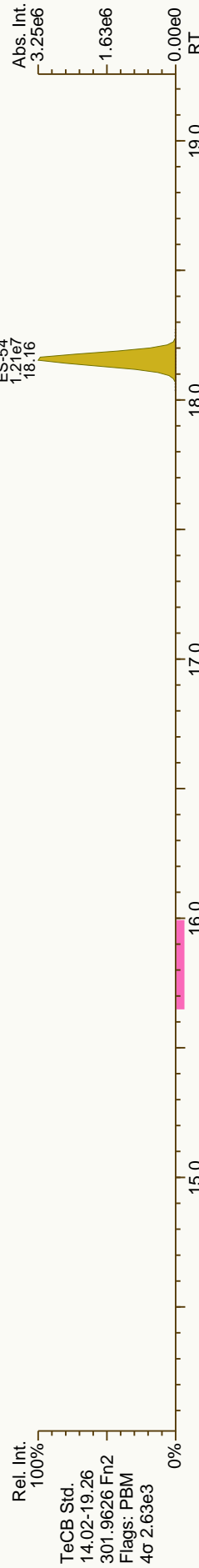
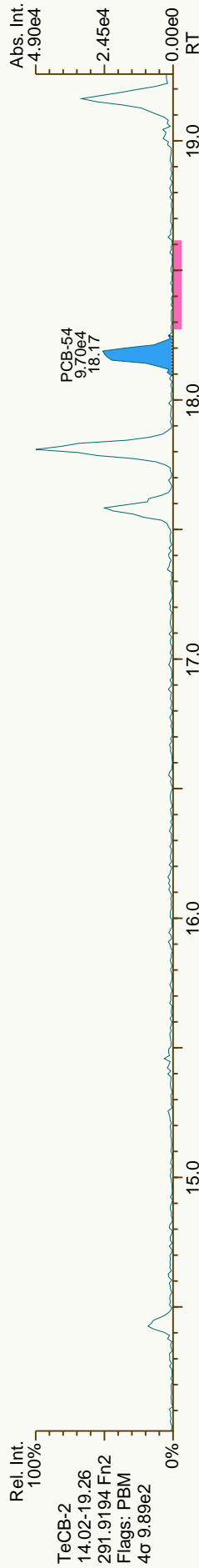
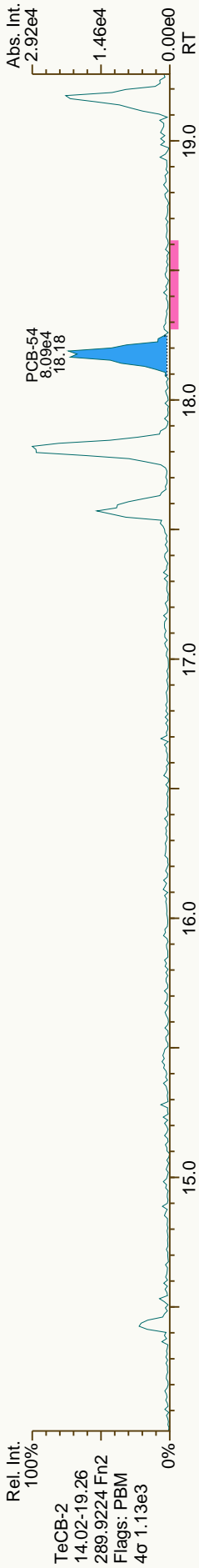


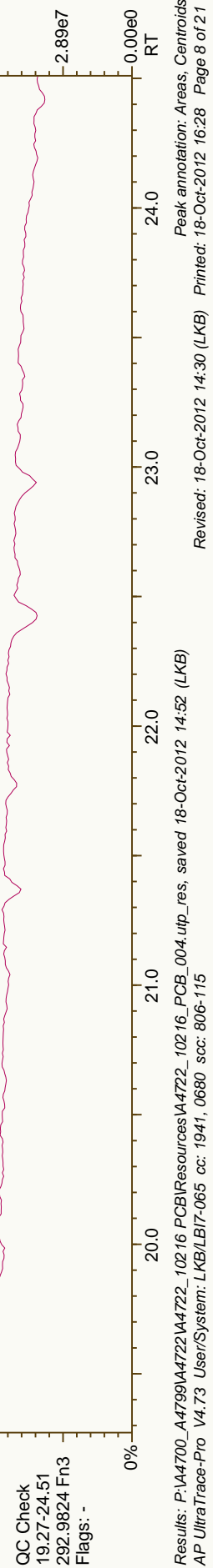
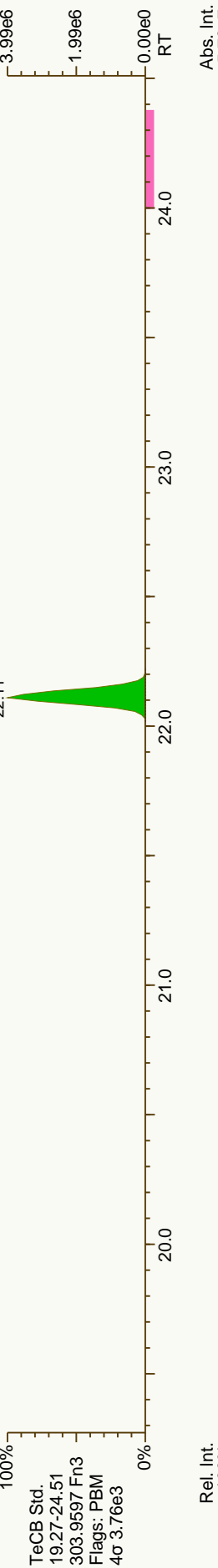
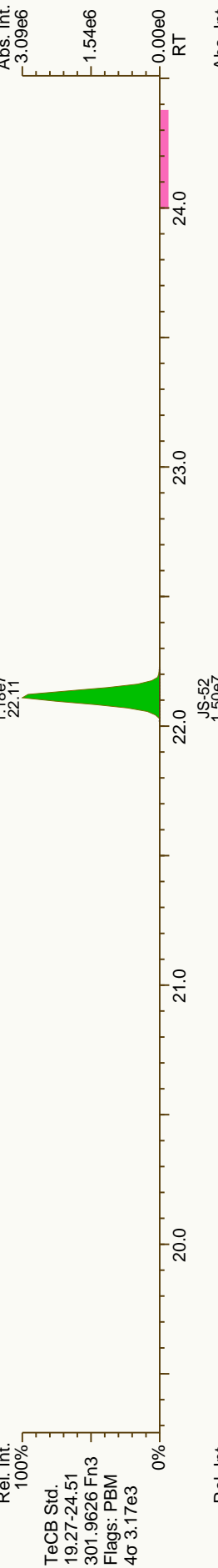
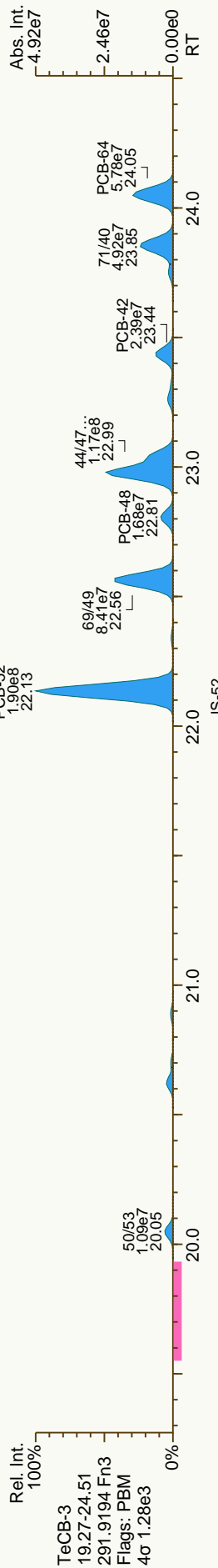
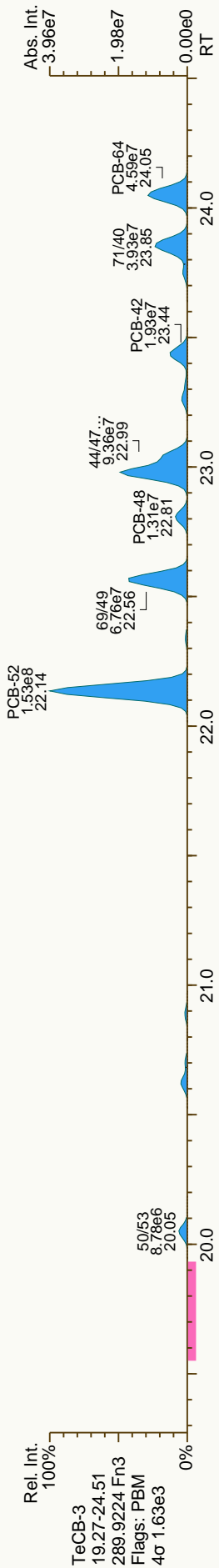




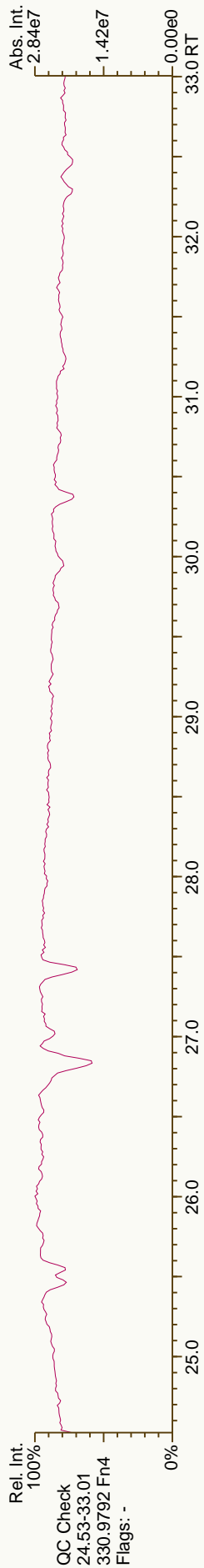
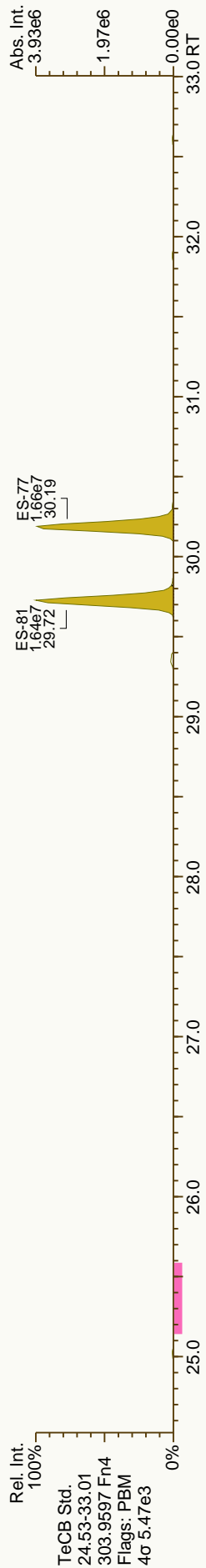
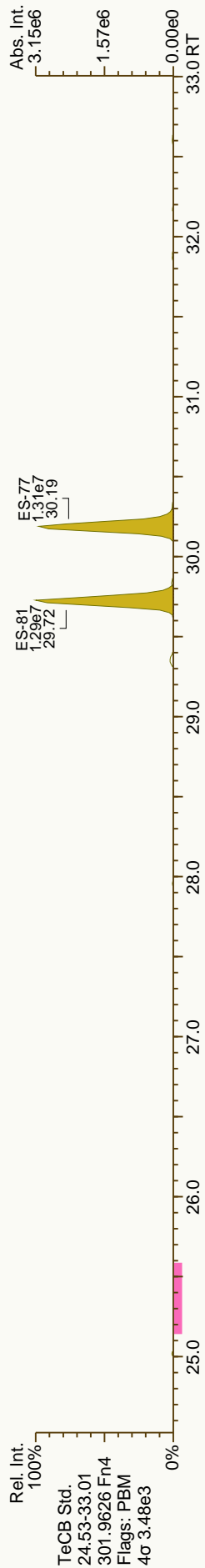
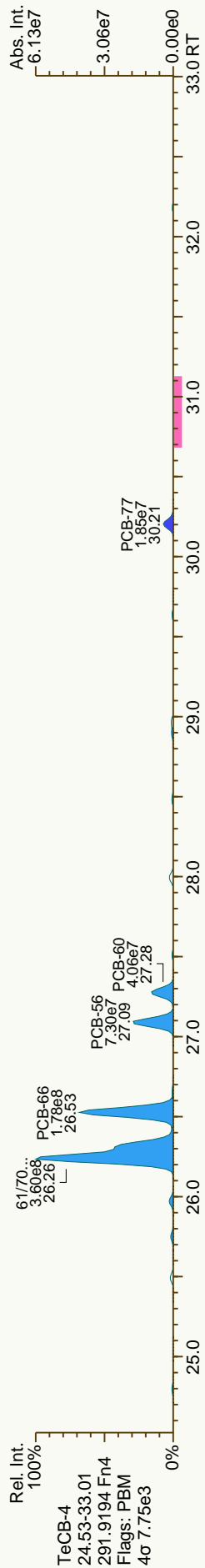
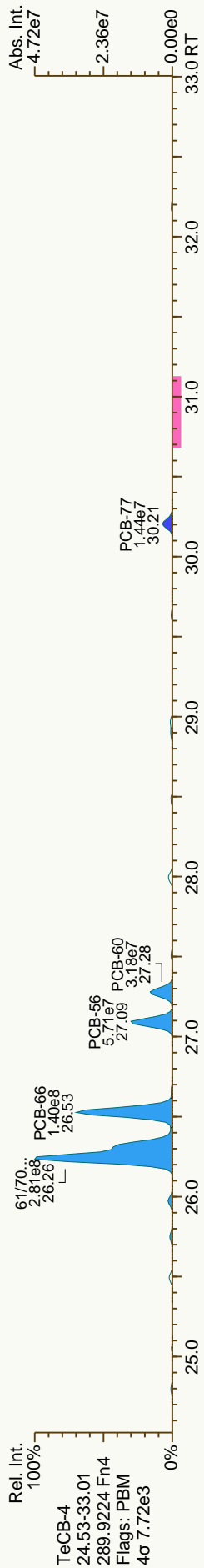


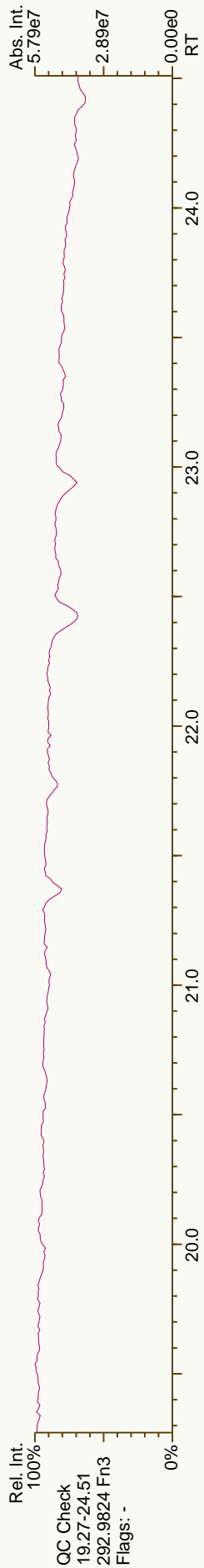
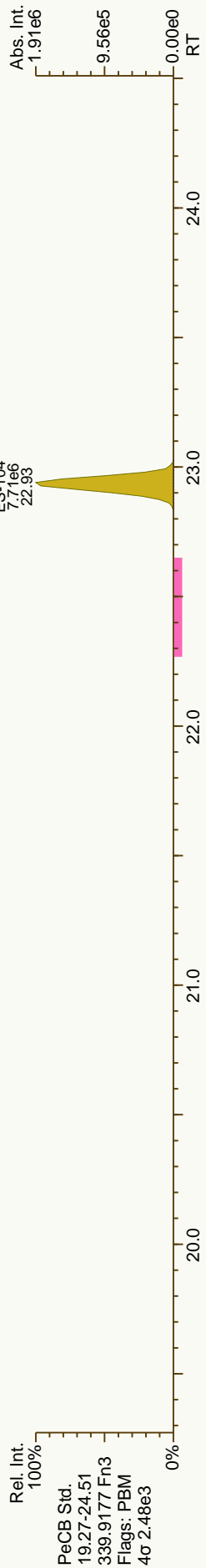
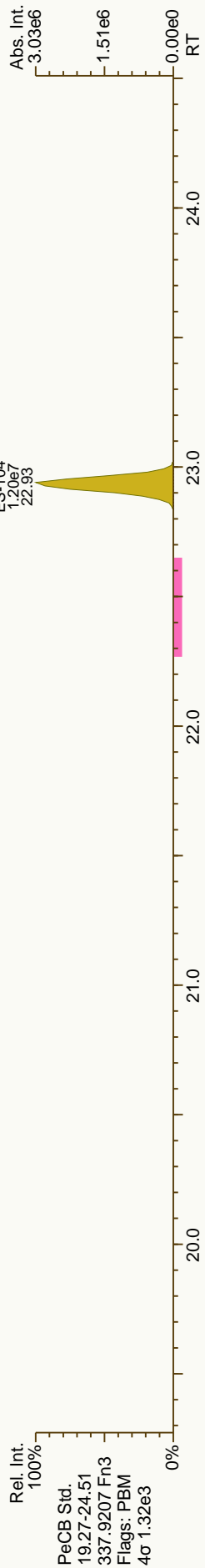
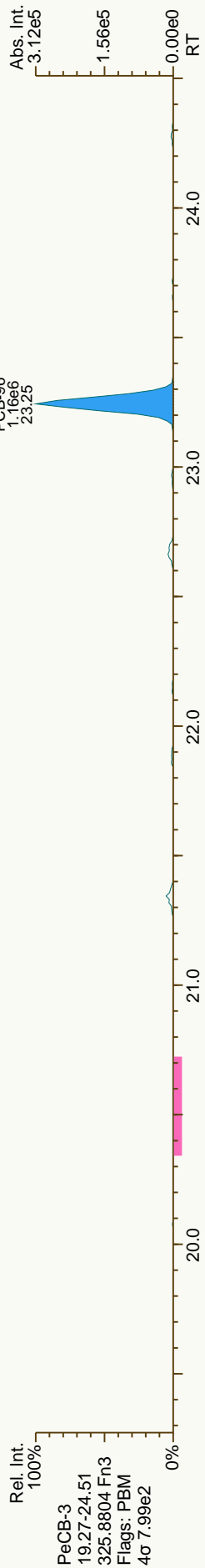
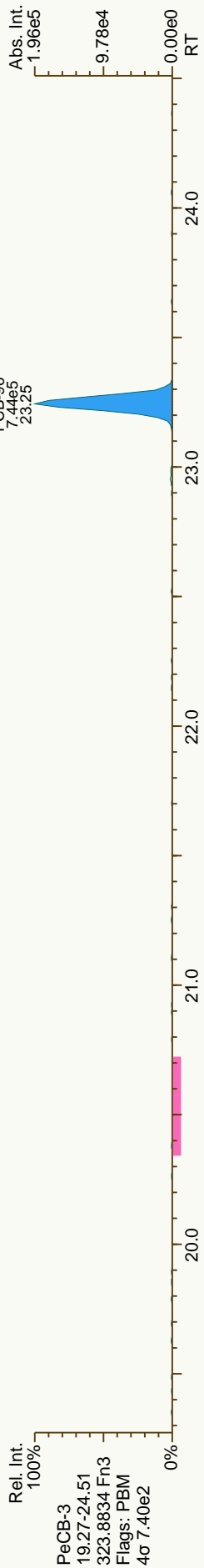


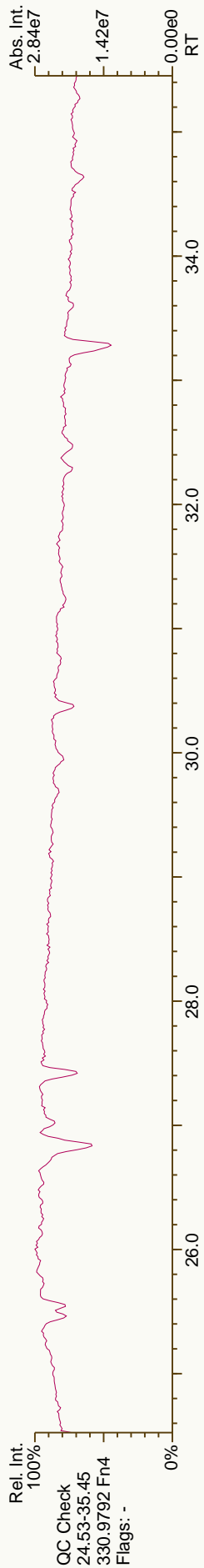
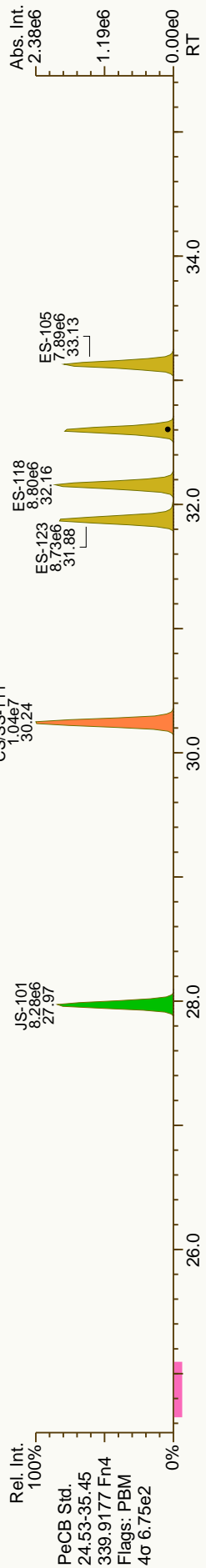
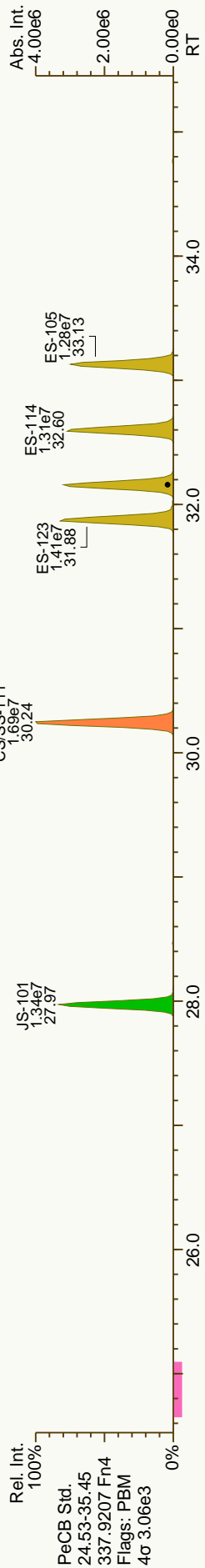
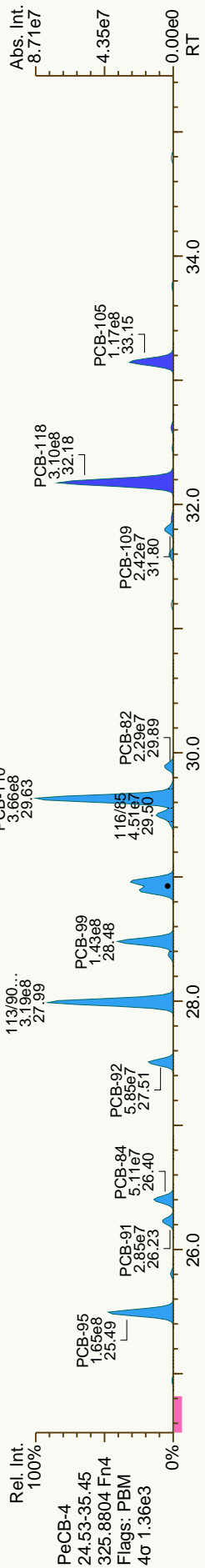
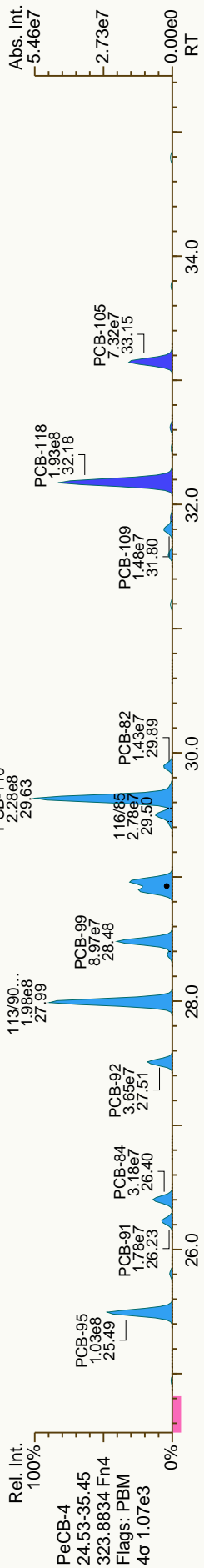


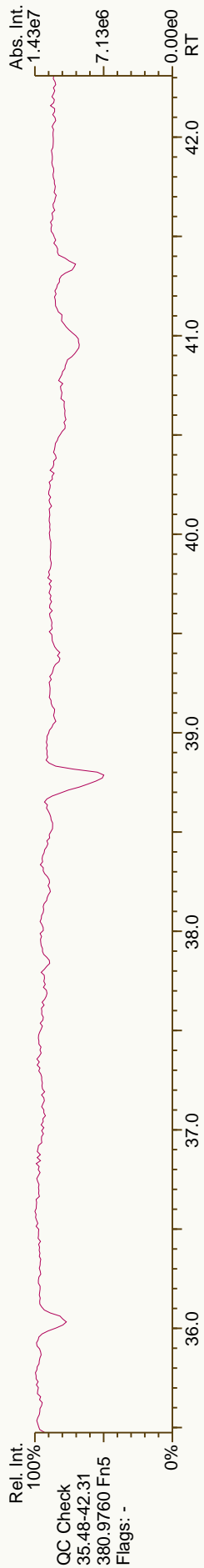
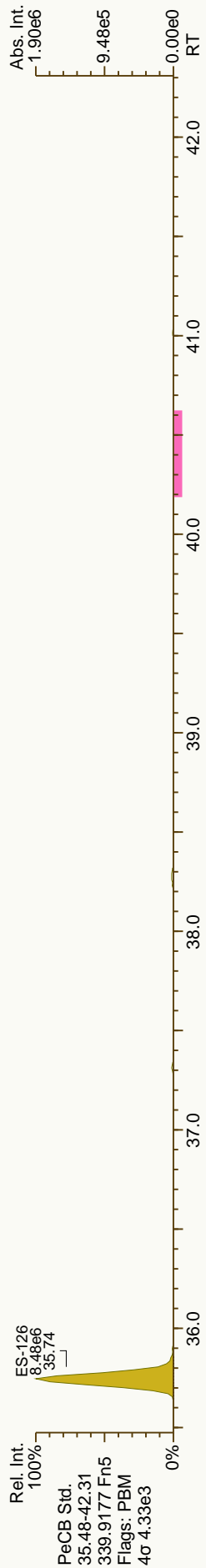
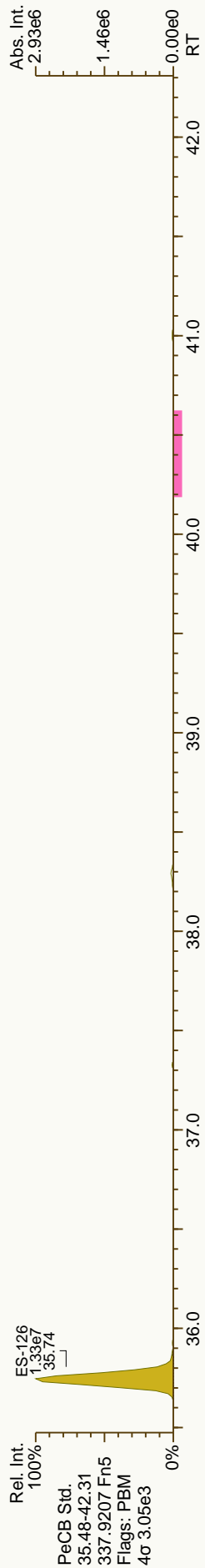
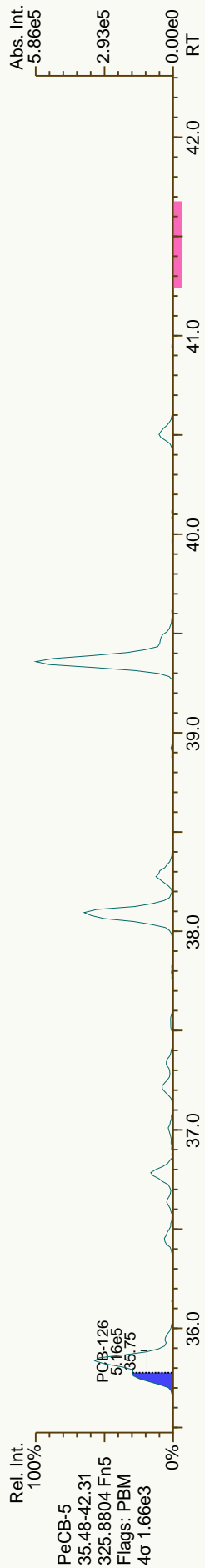
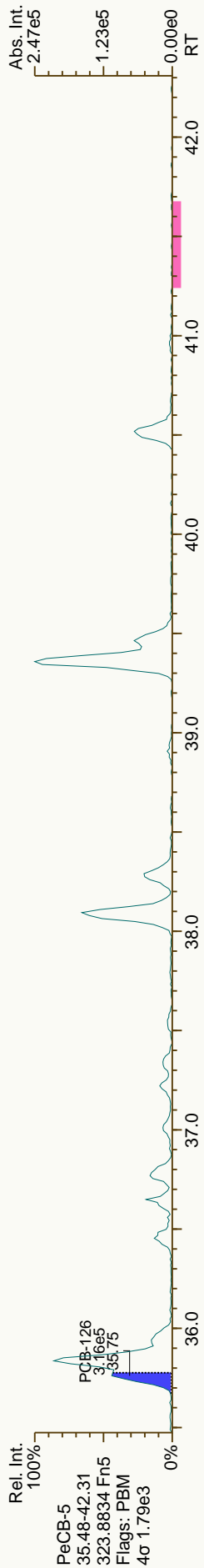


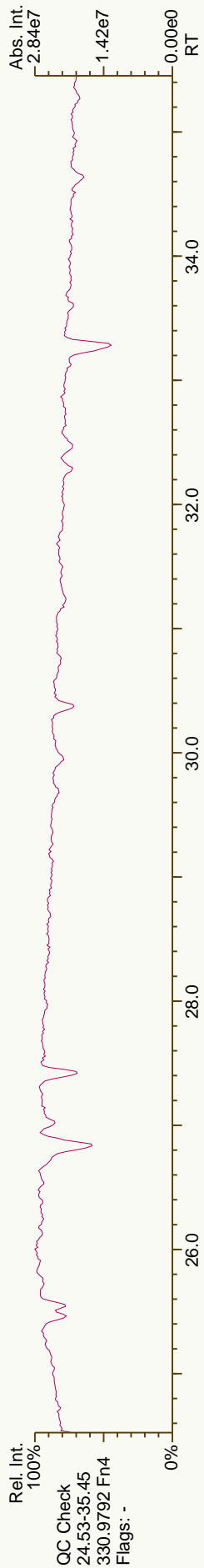
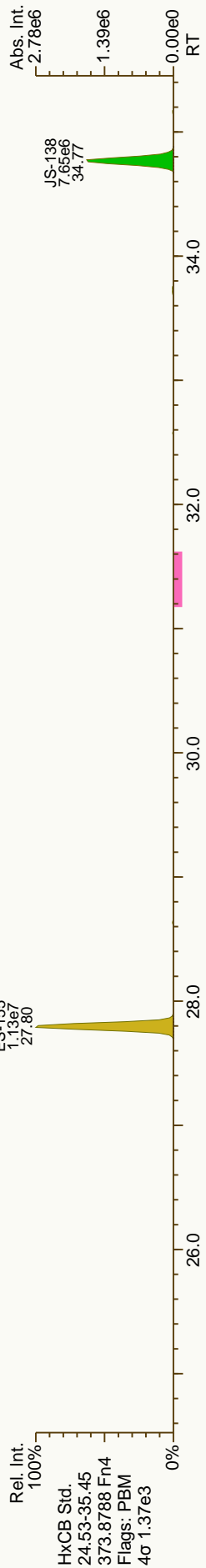
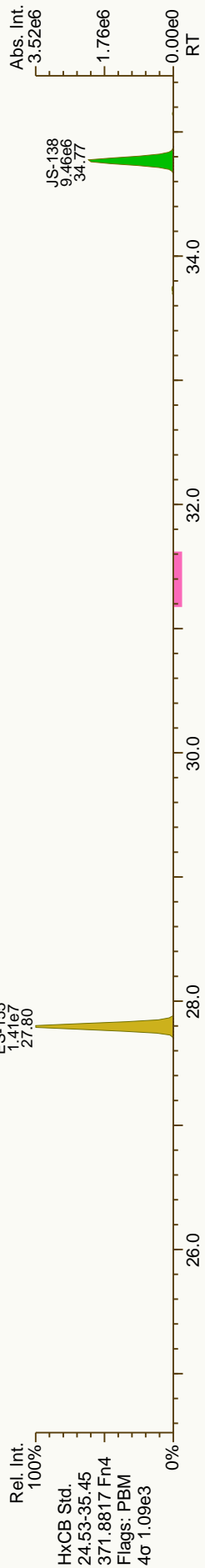
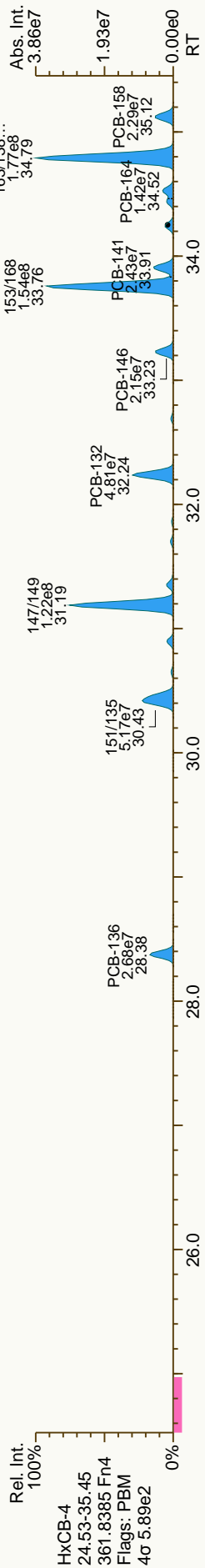
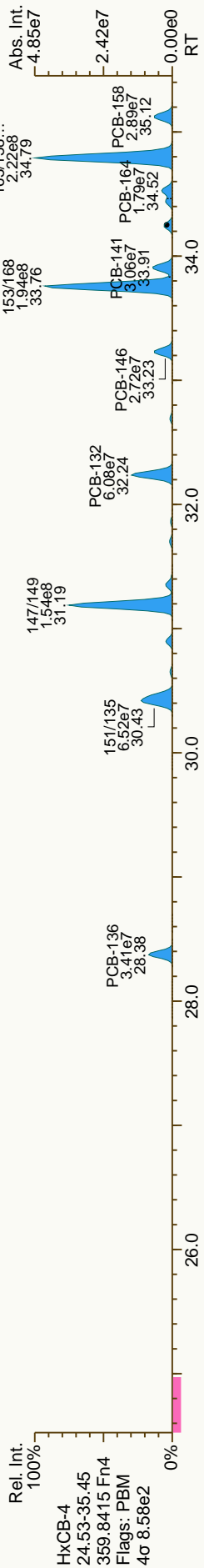
WO# 31203249



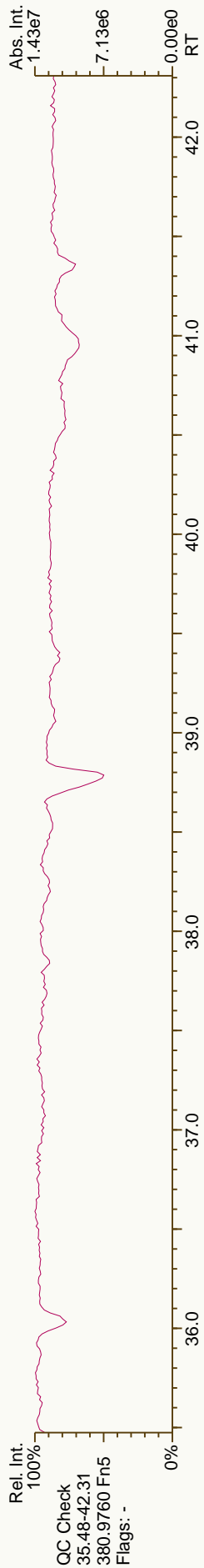
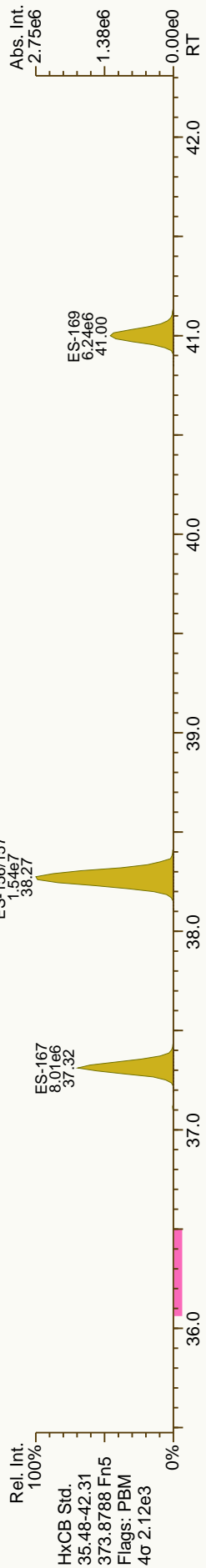
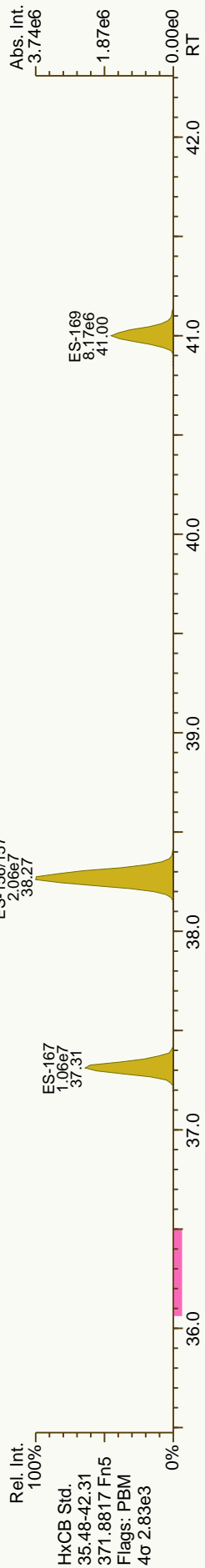
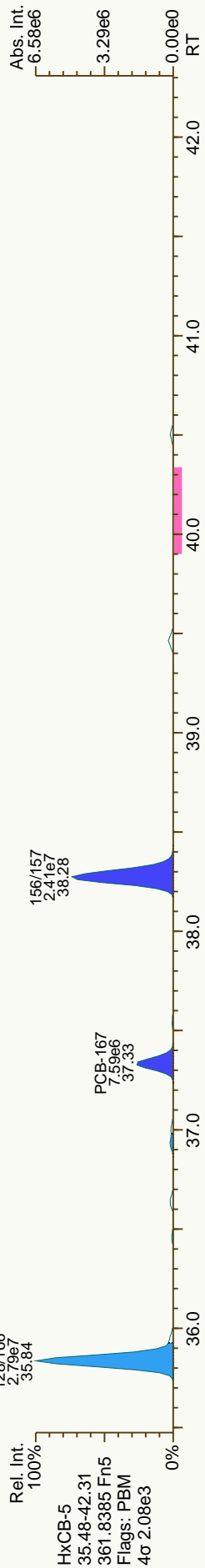
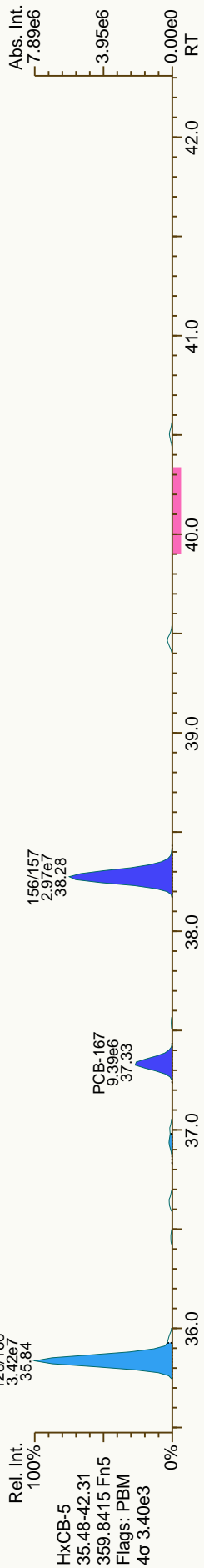


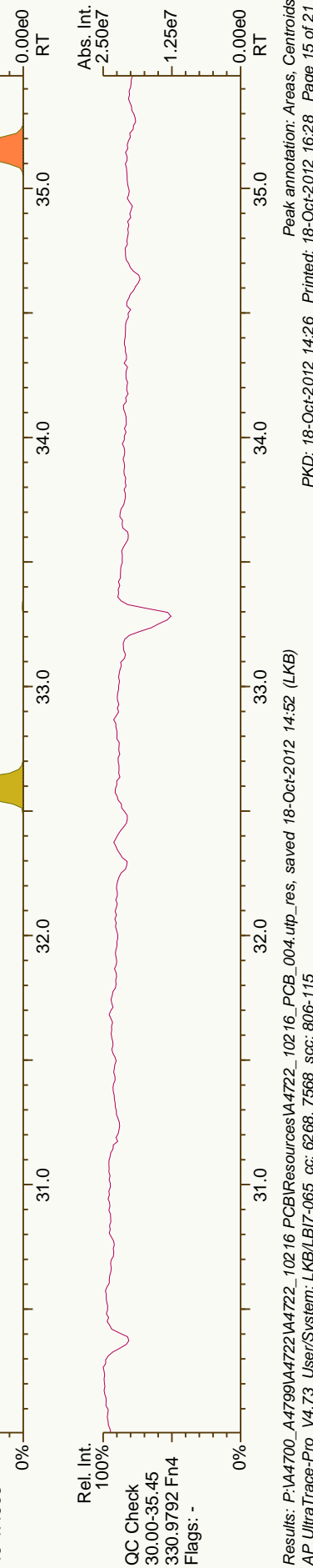
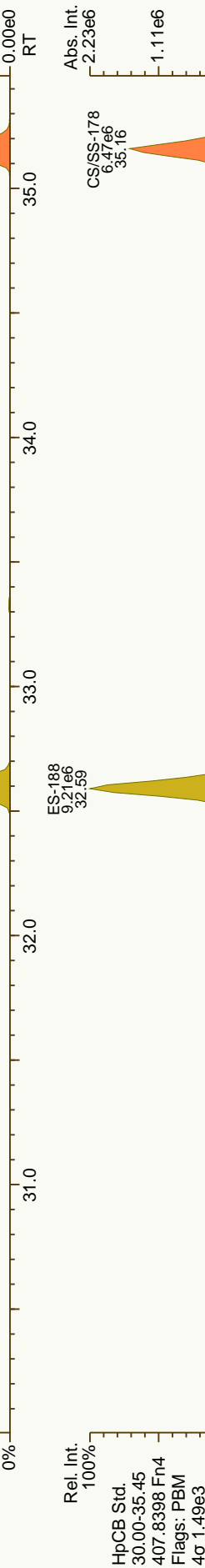
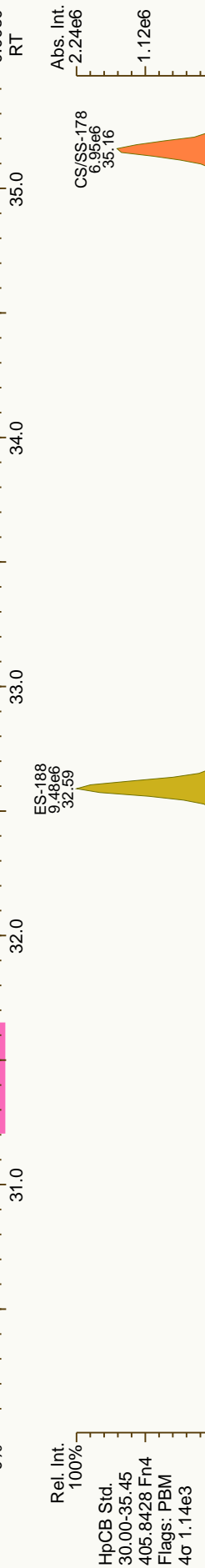
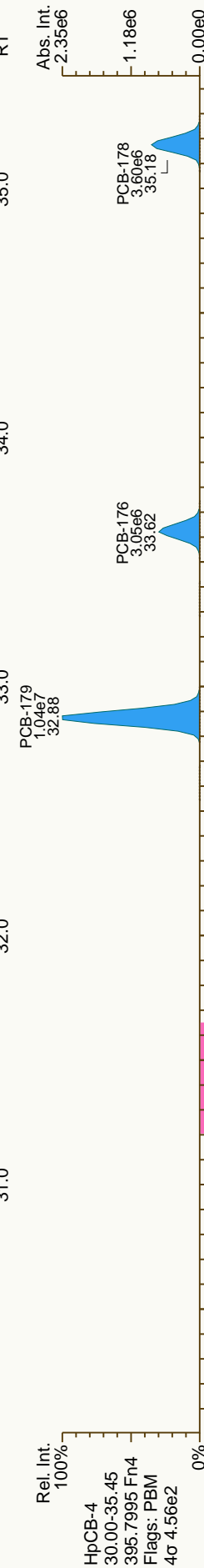
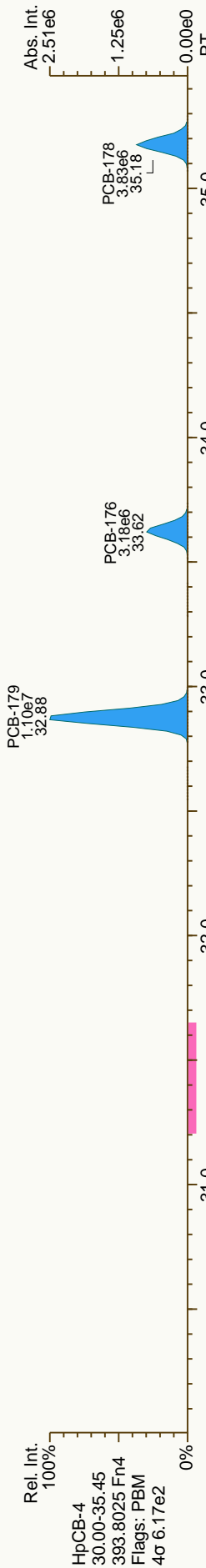


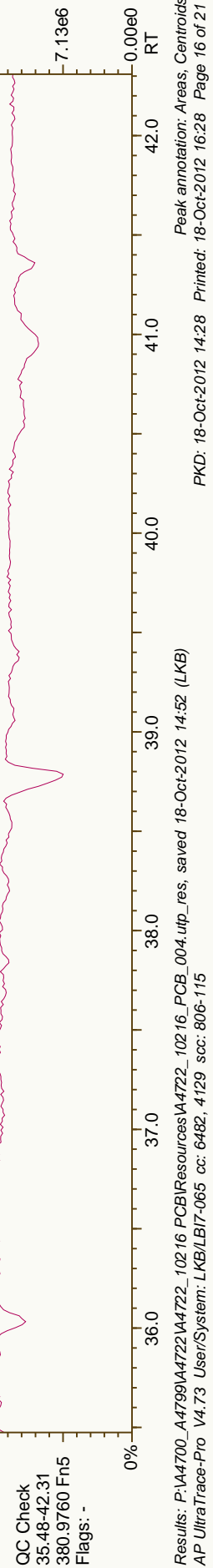
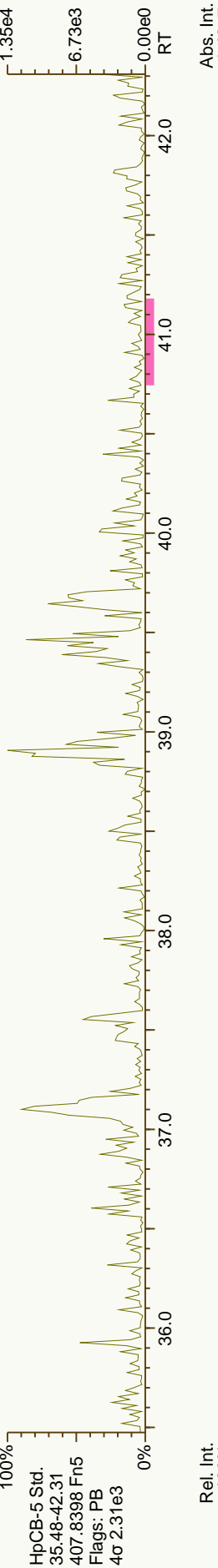
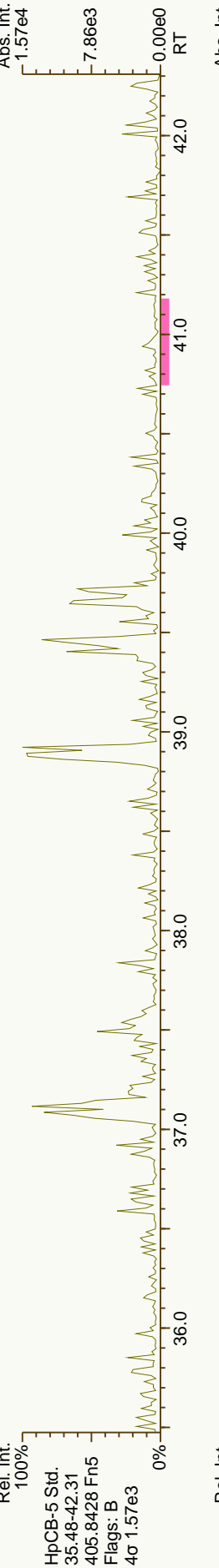
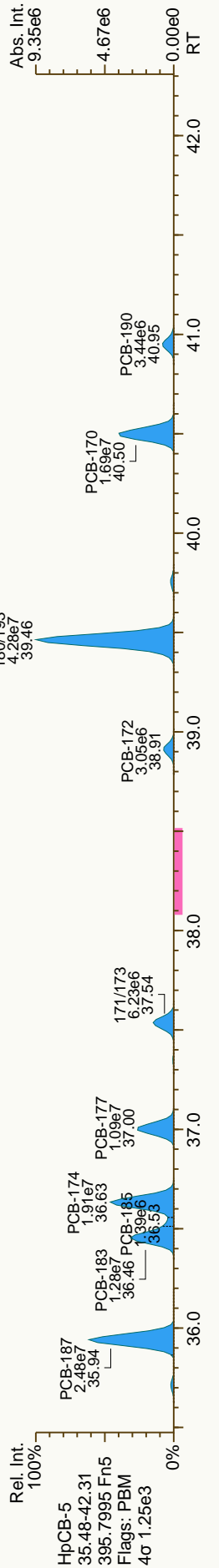
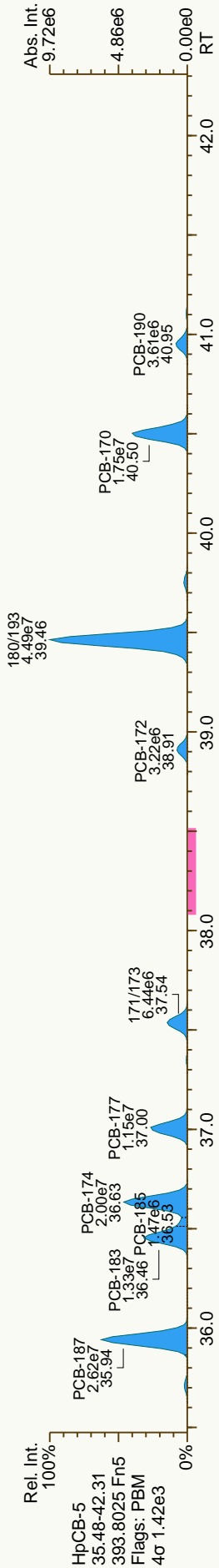


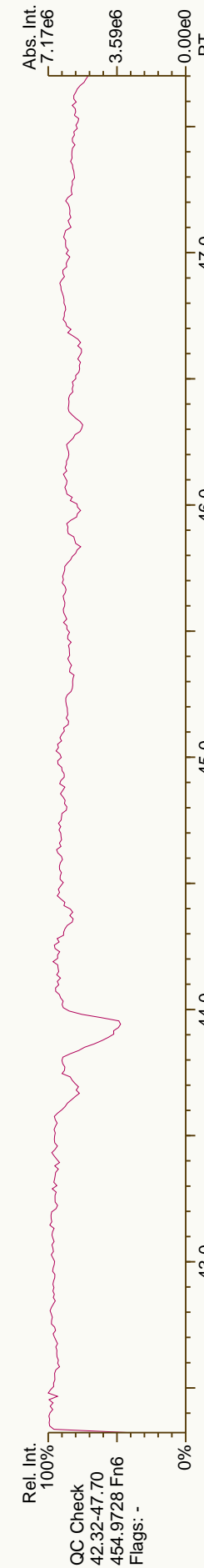
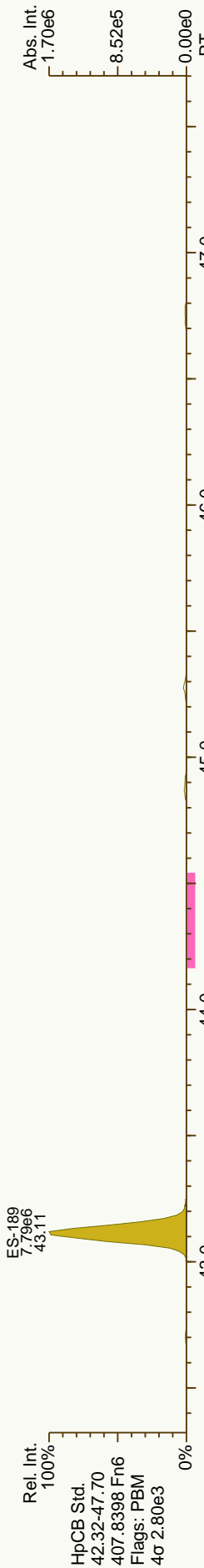
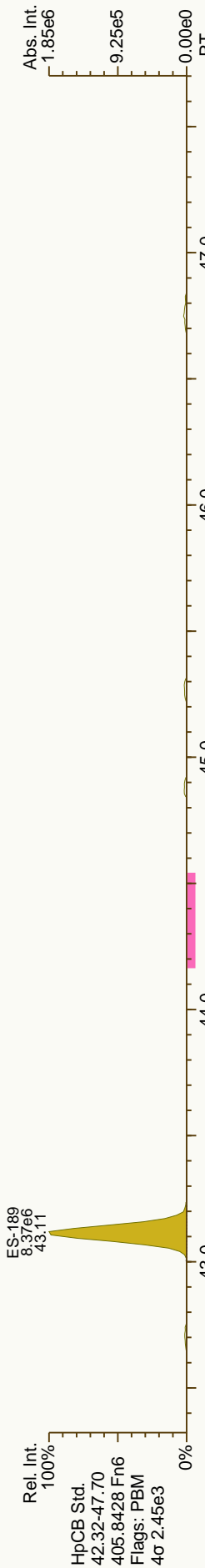
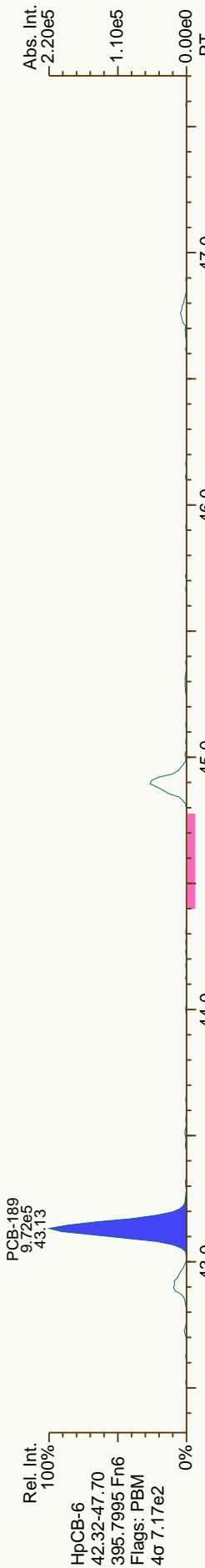
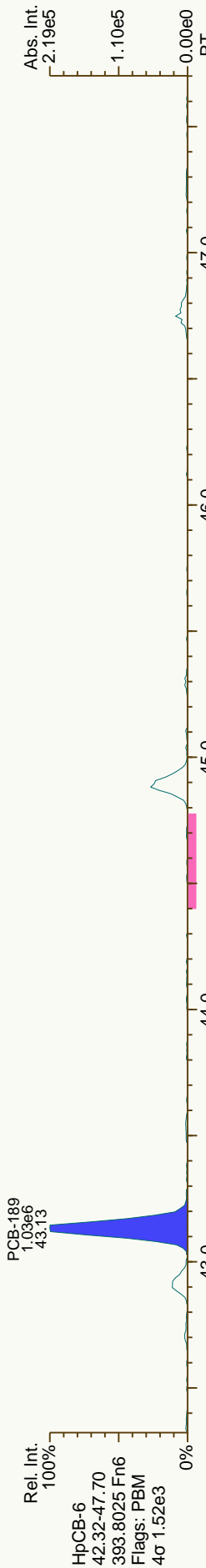


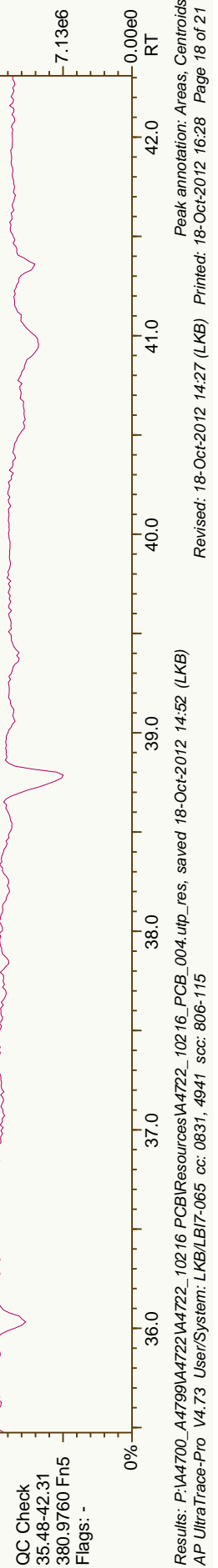
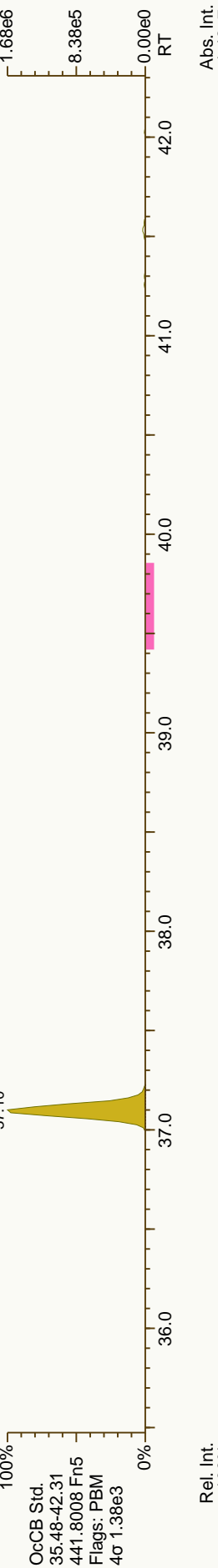
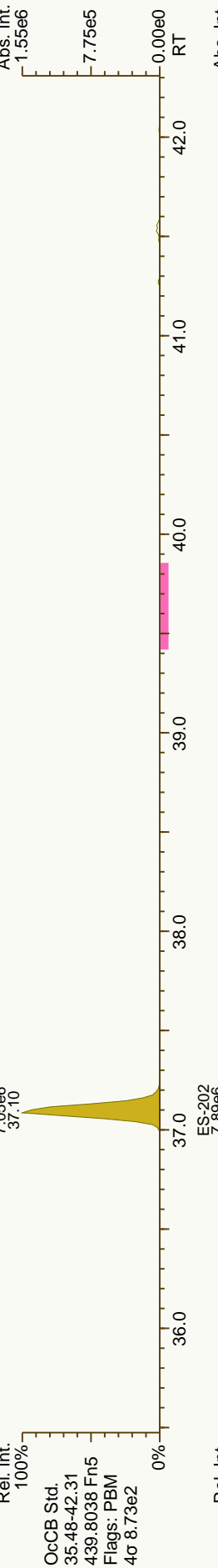
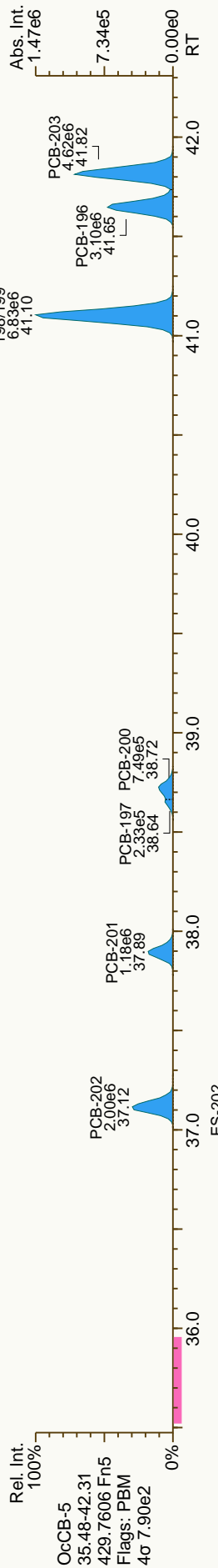
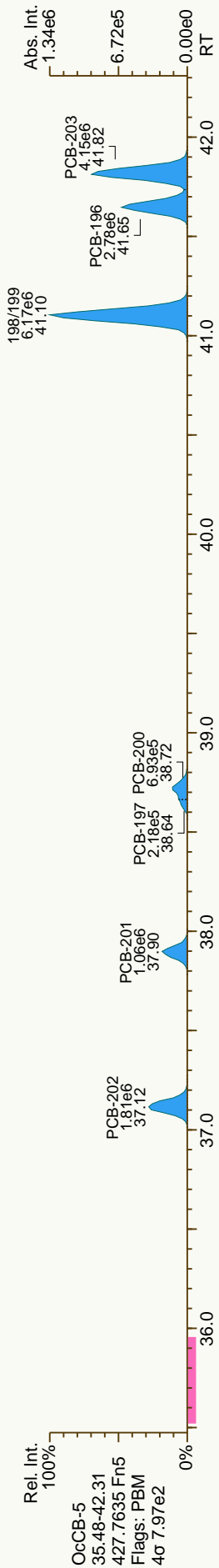
WO# 31203249

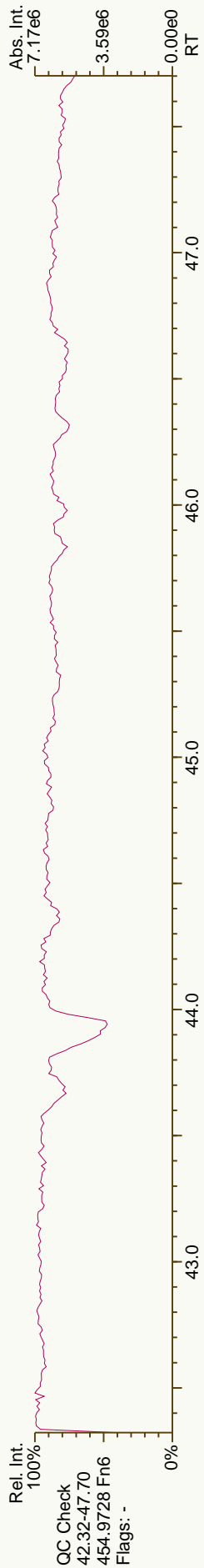
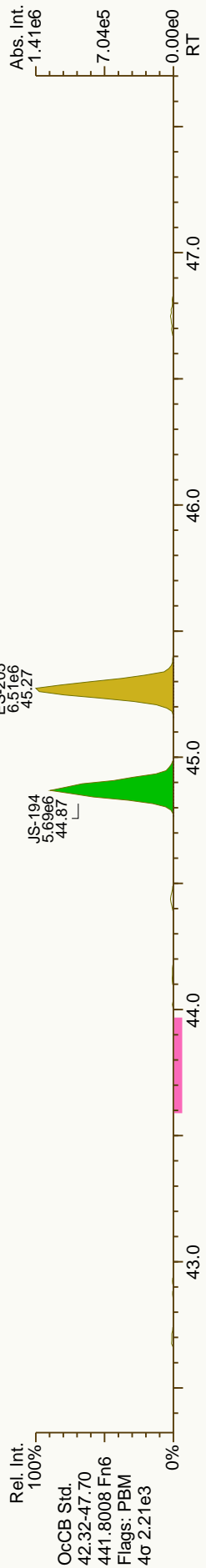
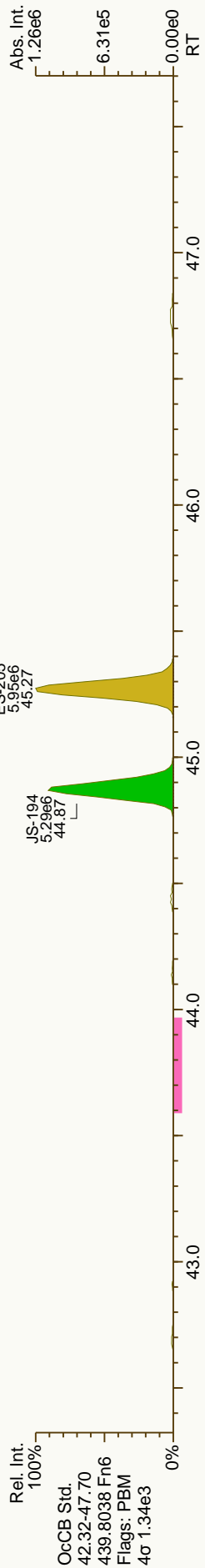
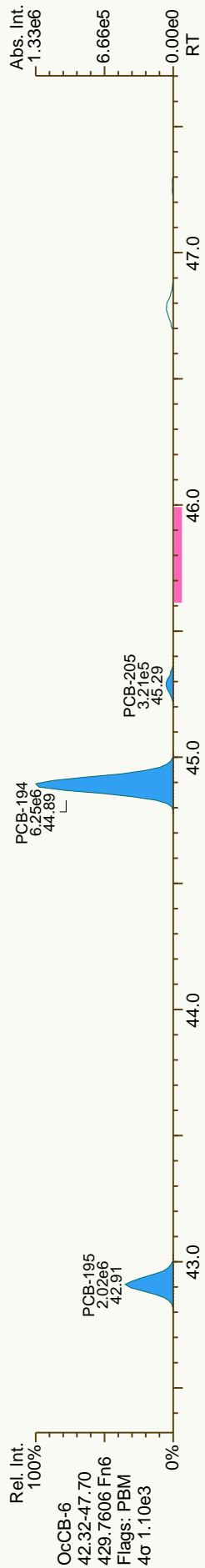
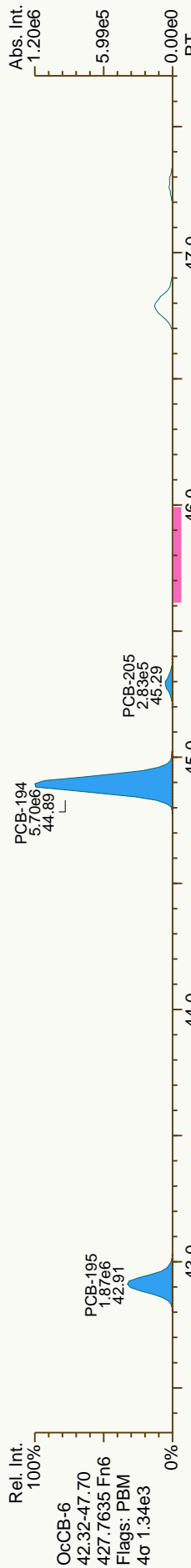


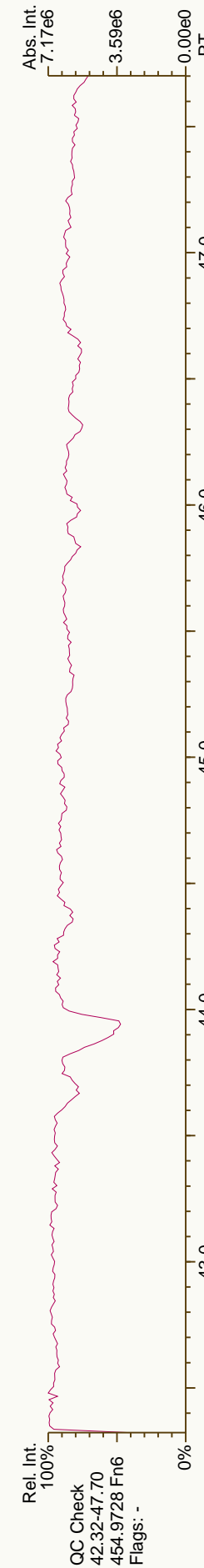
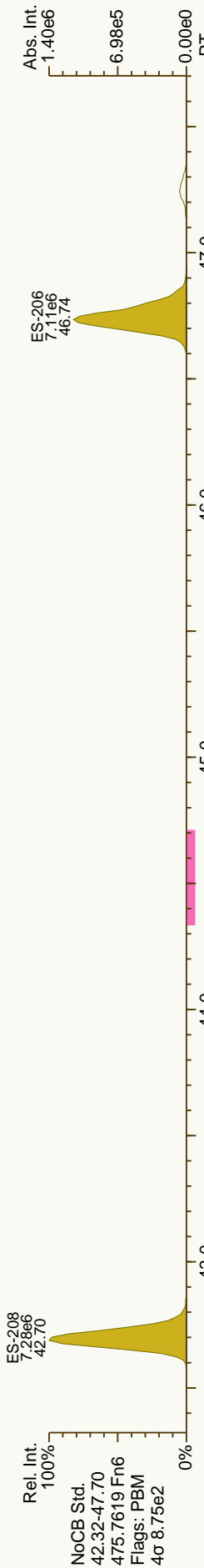
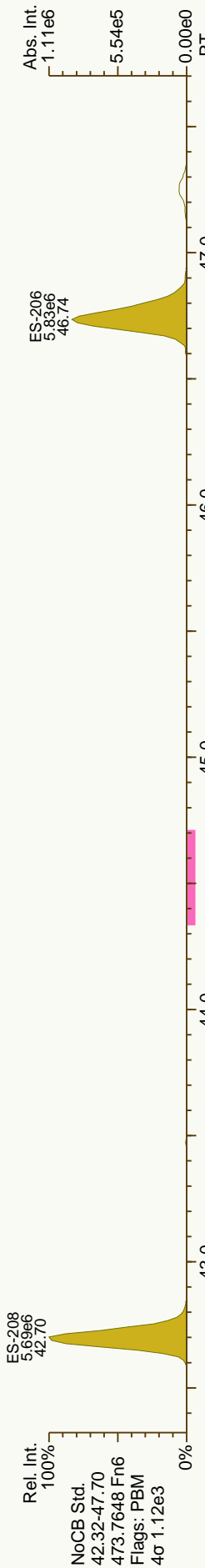
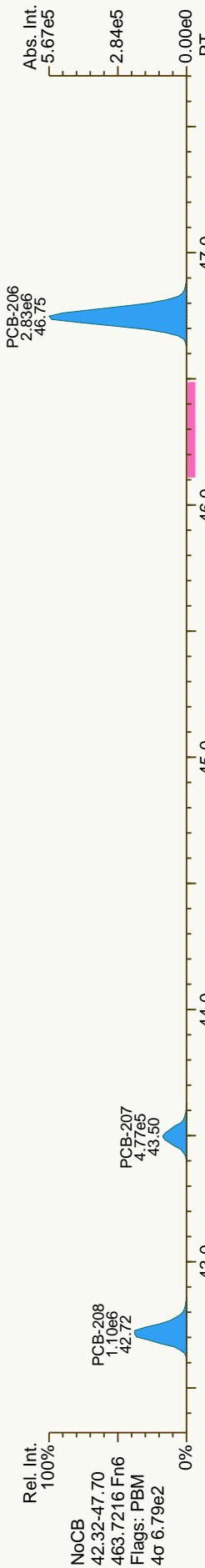
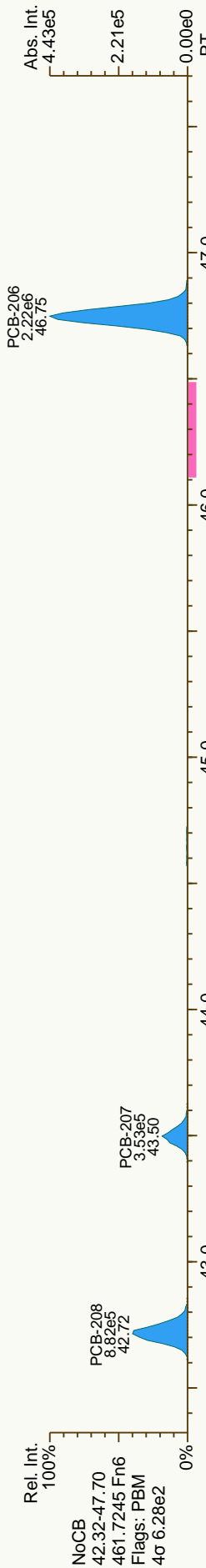


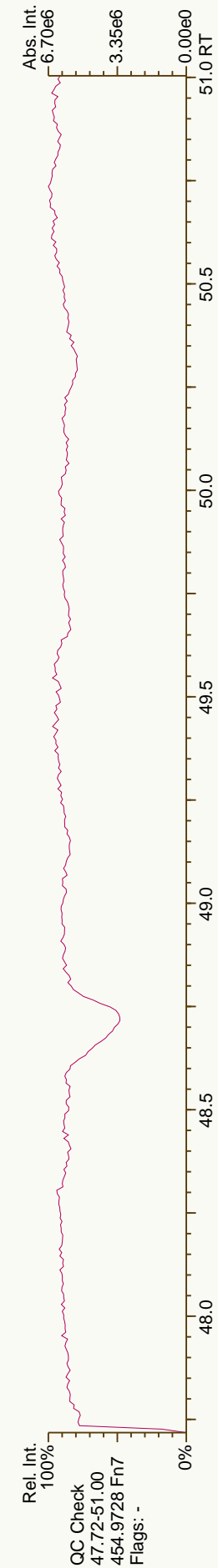
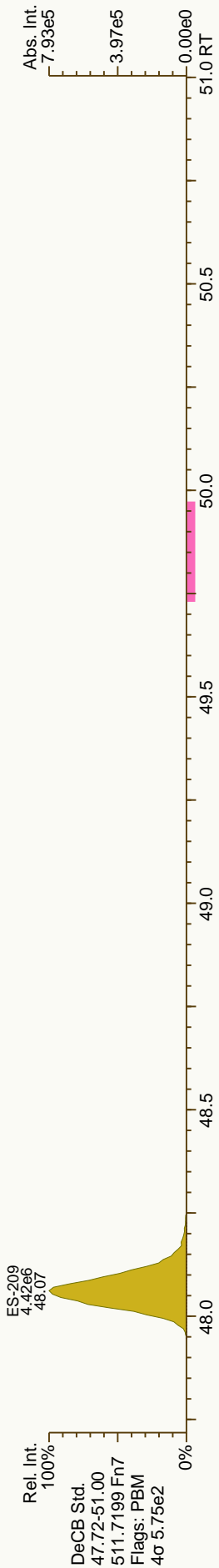
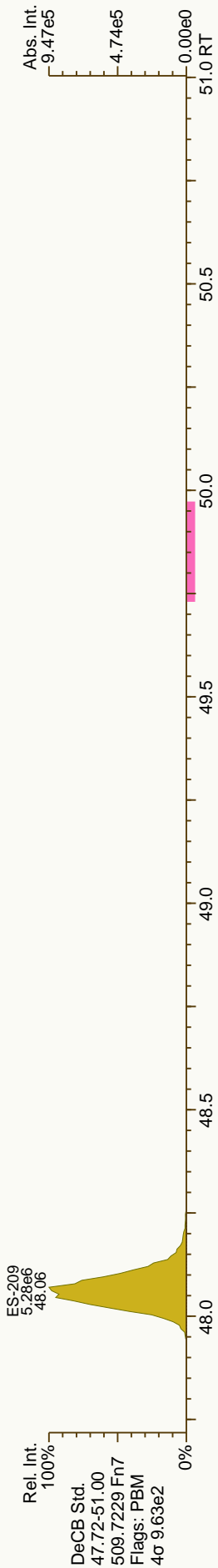
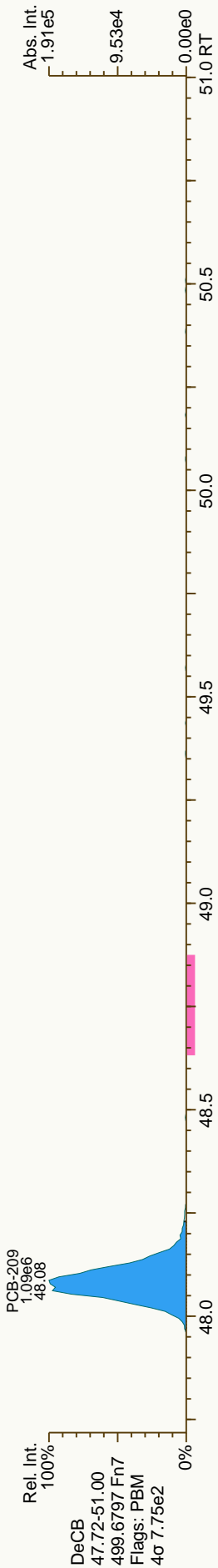
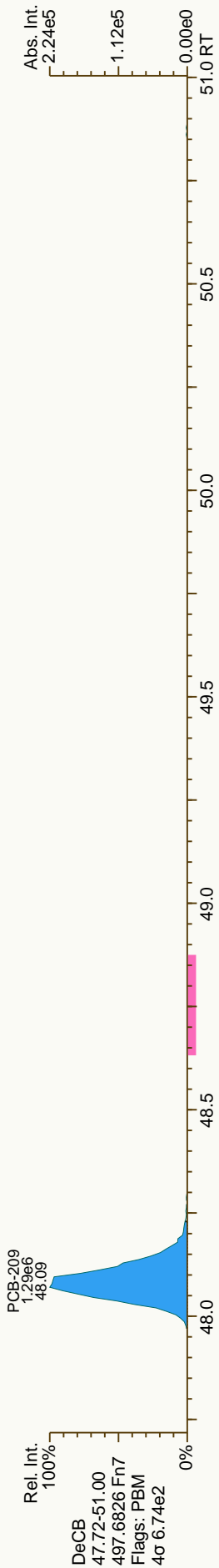












Results of JW-EA08-SS131-120507

Client Sample ID: **JW-EA08-SS131-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249012-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 11:15
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 60.10

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
2,3,7,8-TCDD		0.492	J	0.0614	0.499	pg/g	27.55	0.66*
1,2,3,7,8-PeCDD	2.10		J	0.0756	2.49	pg/g	33.84	1.45
1,2,3,4,7,8-HxCDD	3.59			0.109	2.49	pg/g	38.48	1.31
1,2,3,6,7,8-HxCDD	42.8			0.115	2.49	pg/g	38.62	1.25
1,2,3,7,8,9-HxCDD	15.1			0.113	2.49	pg/g	38.96	1.26
1,2,3,4,6,7,8-HpCDD	467			0.579	2.49	pg/g	42.64	1.06
OCDD	3630			0.111	4.99	pg/g	46.39	0.90
2,3,7,8-TCDF	2.96			0.0420	0.499	pg/g	26.56	0.77
2,3,7,8-TCDF [confirm]	2.59			0.0752	1.66	pg/g	21.00	0.83
1,2,3,7,8-PeCDF	1.57		J	0.0745	2.49	pg/g	32.10	1.57
2,3,4,7,8-PeCDF	3.49			0.0686	2.49	pg/g	33.44	1.40
1,2,3,4,7,8-HxCDF	5.14			0.129	2.49	pg/g	37.32	1.25
1,2,3,6,7,8-HxCDF	3.54			0.120	2.49	pg/g	37.48	1.24
2,3,4,6,7,8-HxCDF	5.38			0.107	2.49	pg/g	38.26	1.25
1,2,3,7,8,9-HxCDF	ND		U	0.157	2.49	pg/g		
1,2,3,4,6,7,8-HpCDF	101			0.175	2.49	pg/g	41.37	1.02
1,2,3,4,7,8,9-HpCDF	4.69			0.205	2.49	pg/g	43.24	1.01
OCDF	143			0.0670	4.99	pg/g	46.63	0.90
Total TCDD	28.5	29.3		0.0614	0.499	pg/g		
Total TCDF	36.0	36.9		0.0420	0.499	pg/g		
Total PeCDD	28.4	28.8		0.0756	2.49	pg/g		
Total PeCDF	43.2	43.9		0.0715	2.49	pg/g		
Total HxCDD	294			0.112	2.49	pg/g		
Total HxCDF	146			0.126	2.49	pg/g		
Total HpCDD	894			0.579	2.49	pg/g		
Total HpCDF	298			0.188	2.49	pg/g		

World Health Organization Summary

	<u>Units</u>	<u>ND=0</u>	<u>ND=1/2</u>	<u>ND=DL</u>
WHO-2005 TEQ	pg/g	17.9	17.9	17.9
WHO-2005 TEQ w/EMPC	pg/g	18.4	18.4	18.4

Results of JW-EA08-SS131-120507

Client Sample ID: **JW-EA08-SS131-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203249012-A
 Lab Project ID: 31203249

Collection Date: 05/07/2012 11:15
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 60.10

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
13C-2378-TCDD	115				25.0-164	%		
13C-12378-PeCDD	108				25.0-181	%		
13C-123478-HxCDD	94.0				32.0-141	%		
13C-123678-HxCDD	85.0				28.0-130	%		
13C-1234678-HpCDD	105				23.0-140	%		
13C-OCDD	98.0				17.0-157	%		
13C-2378-TCDF	112				24.0-169	%		
13C-12378-PeCDF	102				24.0-185	%		
13C-23478-PeCDF	102				21.0-178	%		
13C-123478-HxCDF	95.0				26.0-152	%		
13C-123678-HxCDF	102				26.0-123	%		
13C-234678-HxCDF	106				29.0-147	%		
13C-123789-HxCDF	95.0				28.0-136	%		
13C-1234678-HpCDF	96.0				28.0-143	%		
13C-1234789-HpCDF	105				26.0-138	%		
37Cl-2378-TCDD	133				35.0-197	%		

Batch Information

Analytical Batch: **HRD1902**
 Analytical Method: **EPA 1613B**
 Instrument: **APHRMS**
 Analyst: **MDC**
 Analytical Date/Time: **10/20/2012 06:09**

Prep Batch: **HXX1802**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/10/2012 09:35**
 Prep Initial Wt./Vol.: **16.67 g**
 Prep Extract Vol: **20 uL**

Analytical Batch: **HRD1912**
 Analytical Method: **EPA 1613B**
 Instrument: **HRMS3**
 Analyst: **JHL**
 Analytical Date/Time: **10/31/2012 22:24**

Prep Batch: **HXX1802**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/10/2012 09:35**
 Prep Initial Wt./Vol.: **16.67 g**
 Prep Extract Vol: **20 uL**

Lab ID: A4722_10216_DF_012

Client ID: JW-EA08-SS131-120507

Datafile: 121019P2-07

Acq'd: 20 Oct 2012 06:09 MDC

UTP: 20-Oct-2012 12:55 MDC

Report: 21 Oct 2012 10:28 MC

Wt/Vol: 10.02 g

J-level: 0.499 pg/g Split: 1

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37Cl)

ICAL: 1613_SGS

Checkcode: 040-828-BBK



WV#	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
27.55	2378-TCDD	1.0009	1.0010	+0.2	1.21E+05	0.66	N	1.08	0.492	1303	0.0614		
33.84	2378-PeCDD	1.0006	1.0006	0	4.02E+05	1.45	Y	1.07	2.1	1435	0.0756		
38.48	23478-HxCDD	1.0004	1.0004	0	5.63E+05	1.31	Y	1.05	3.59	1717	0.109		
38.62	123678-HxCDD	1.0039	1.0039	0	6.40E+06	1.25	Y	0.98	42.8	1717	0.115		
38.96	123789-HxCDD	1.0129	1.0129	0	2.30E+06	1.26	Y	1.01	15.1	1717	0.113		
42.64	1234678-HpCDD	1.0005	1.0003	-0.5	7.15E+07	1.06	Y	1.09	467	9464	0.579		
46.39	OCDD	1.0005	1.0003	-0.6	4.15E+08	0.90	Y	1.11	3.630	1191	0.111		
26.56	2378-TCDF	1.0009	1.0009	0	1.06E+06	0.77	Y	0.98	2.96	1247	0.042		
32.10	12378-PeCDF	1.0007	1.0005	-0.4	4.49E+05	1.57	Y	0.99	1.57	1957	0.0746		
33.44	23478-PeCDF	1.0006	1.0010	+0.8	1.01E+06	1.40	Y	1.02	3.49	1957	0.0686		
37.32	123478-HxCDF	1.0006	1.0005	-0.2	1.24E+06	1.25	Y	1.19	5.14	3173	0.129		
37.48	123678-HxCDF	1.0005	1.0005	0	9.87E+05	1.24	Y	1.16	3.54	3173	0.12		
38.26	234678-HxCDF	1.0006	1.0003	-0.7	1.51E+06	1.25	Y	1.18	5.38	3173	0.107		
Not Fnd	123789-HxCDF	1.0005	-	-	-	-	-	1.09	-	3173	0.157		
41.37	1234678-HpCDF	1.0004	1.0003	-0.2	2.34E+07	1.02	Y	1.35	101	4177	0.175		
43.24	1234789-HpCDF	1.0004	1.0003	-0.3	9.09E+05	1.01	Y	1.34	4.69	4177	0.205		
46.63	OCDF	1.0057	1.0056	-0.3	2.06E+07	0.90	Y	1.40	143	904	0.0671		
27.53	ES 2378-TCDD	1.0281	1.0277	-0.6	4.54E+07	0.79	Y	1.04	115				
33.82	ES 12378-PeCDD	1.2639	1.2627	-1.9	3.56E+07	1.59	Y	0.87	108				
38.47	ES 123478-HxCDD	0.9876	0.9877	+0.2	2.98E+07	1.27	Y	0.94	94.4				
38.60	ES 123678-HxCDD	0.9910	0.9911	+0.2	3.04E+07	1.25	Y	1.06	85.2				
42.63	ES 1234678-HpCDD	1.0943	1.0945	+0.5	2.81E+07	1.07	Y	0.80	105				
46.37	ES OCDD	1.1907	1.1906	-0.2	4.12E+07	0.91	Y	0.63	97.5				
26.53	ES 2378-TCDF	0.9907	0.9906	-0.2	7.33E+07	0.80	Y	1.74	112				
32.09	ES 12378-PeCDF	1.1992	1.1980	-1.9	5.75E+07	1.55	Y	1.49	102				
33.41	ES 23478-PeCDF	1.2484	1.2472	-1.9	5.70E+07	1.57	Y	1.48	102				
37.30	ES 123478-HxCDF	0.9577	0.9577	0	4.06E+07	0.53	Y	1.27	95				
37.47	ES 123678-HxCDF	0.9619	0.9620	+0.2	4.81E+07	0.53	Y	1.41	102				
38.25	ES 234678-HpCDF	0.9821	0.9821	0	4.76E+07	0.52	Y	1.34	106				
39.37	ES 123789-HxCDF	1.0108	1.0107	-0.2	3.84E+07	0.52	Y	1.20	95				
41.36	ES 1234678-HpCDF	1.0618	1.0619	+0.2	3.41E+07	0.44	Y	1.06	95.9				
43.23	ES 1234789-HpCDF	1.1100	1.1100	0	2.90E+07	0.44	Y	0.82	105				

Lab ID: A4722_10216_DF_012 Acq'd: 20 Oct 2012 06:09 MDC Wt/Vol: 10.02 g ICAL: 1613_SGS
 Client ID: JW-EA08-SS131-120507 UTP: 20-Oct-2012 12:55 MDC J-level: 0.499 pg/g Split: 1 Checkcode: 040-828-BBK
 Datafile: 121019P2-07 Report: 21 Oct 2012 10:28 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C)

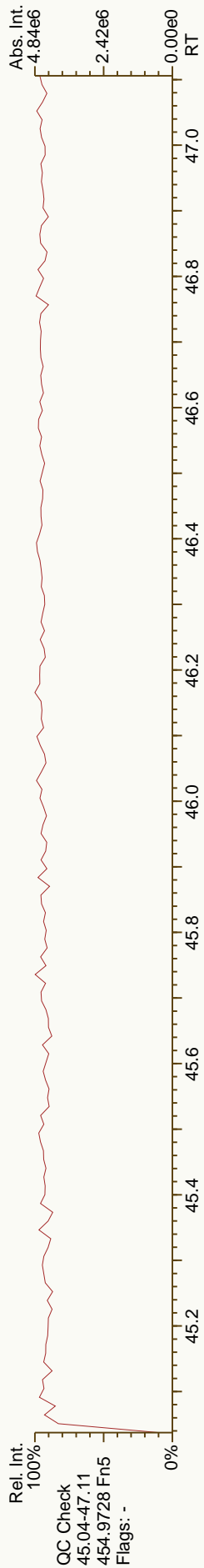
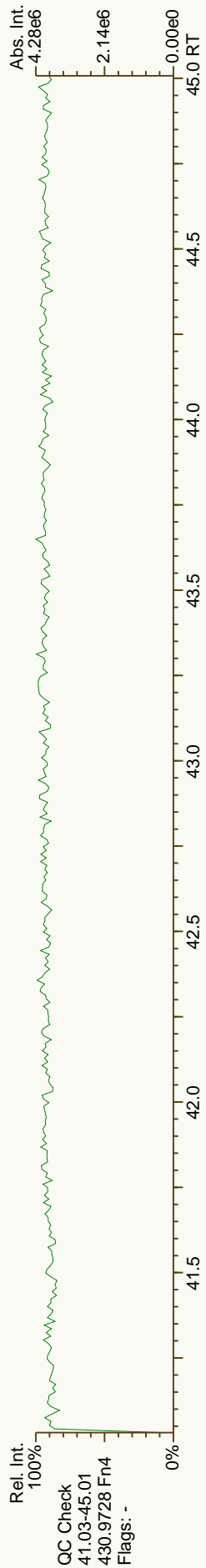
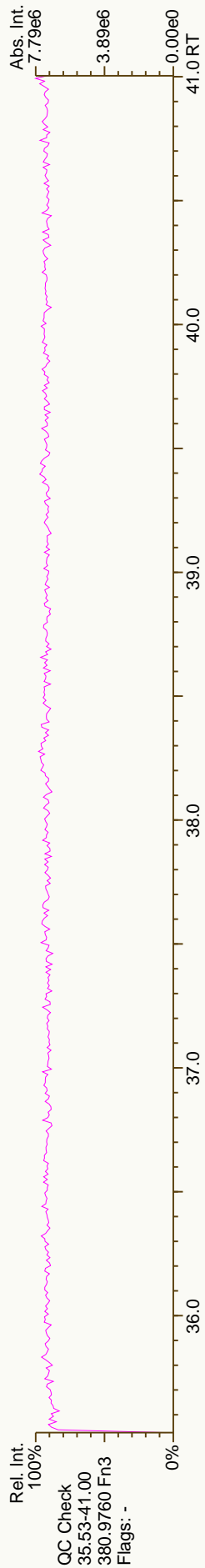
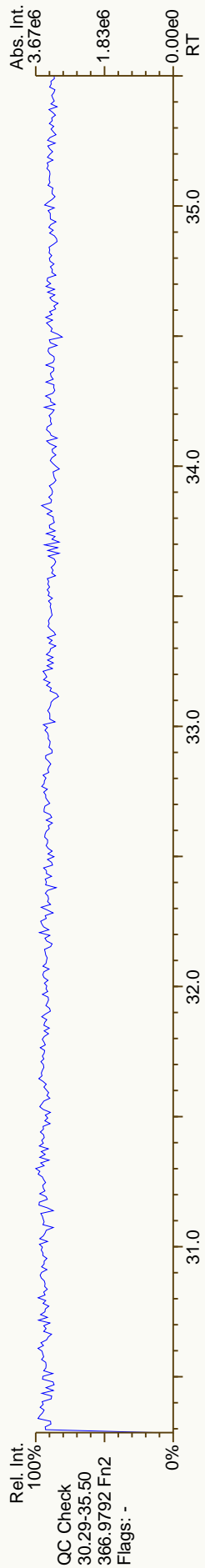
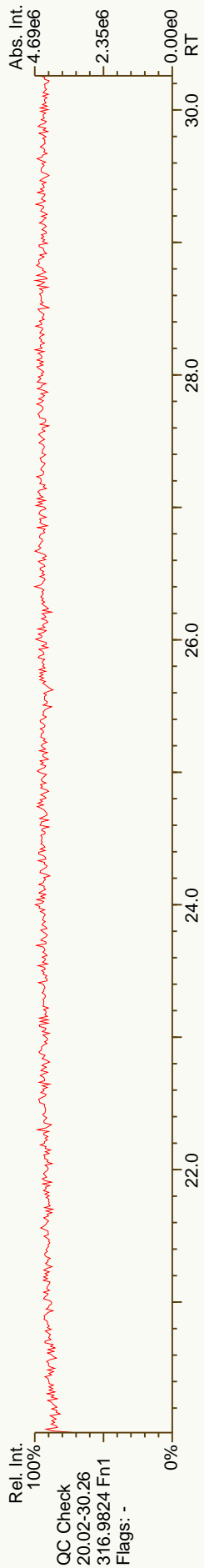
WV#	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	TCDD	23.44		0.8504	0.8514	+1.7	2.34E+06	0.79	Y	1.08	9.49	1303	0.0614
2	TCDD	23.84		0.8649	0.8659	+1.7	1.65E+06	0.81	Y	1.08	6.72	1303	0.0614
3	TCDD	24.31		0.8835	0.8832	-0.5	8.96E+04	0.87	Y	1.08	0.364	1303	0.0614
4	TCDD	25.19		0.9152	0.9151	-0.2	6.69E+05	0.76	Y	1.08	2.72	1303	0.0614
	TCDD	25.45		0.9241	0.9246	+0.8	3.35E+05	0.80	Y	1.08	1.36	1303	0.0614
	TCDD	25.68		0.9327	0.9328	+0.2	4.73E+05	0.76	Y	1.08	1.92	1303	0.0614
	TCDD	25.90		0.9408	0.9409	+0.2	1.13E+05	0.77	Y	1.08	0.46	1303	0.0614
	TCDD	26.18		0.9512	0.9510	-0.3	3.91E+04	0.92	N	1.08	0.158	1303	0.0614
	TCDD	26.37		0.9580	0.9582	+0.3	1.12E+05	0.75	Y	1.08	0.456	1303	0.0614
	TCDD	26.80		0.9736	0.9738	+0.3	5.48E+05	0.81	Y	1.08	2.22	1303	0.0614
	TCDD	26.94		0.9785	0.9786	+0.2	2.53E+04	0.97	N	1.08	0.103	1303	0.0614
	TCDD	27.23		0.9884	0.9893	+1.5	4.99E+05	0.80	Y	1.08	2.03	1303	0.0614
	TCDD	27.39		0.9945	0.9950	+0.8	4.69E+04	0.75	Y	1.08	0.19	1303	0.0614
	2378-TCDD	27.55		1.0009	1.0010	+0.2	1.21E+05	0.66	N	1.08	0.492	1303	0.0614
	TCDD	27.94		1.0147	1.0149	+0.3	1.01E+05	0.72	Y	1.08	0.411	1303	0.0614
	TCDD	28.09		1.0206	1.0206	0	2.31E+04	0.85	Y	1.08	0.0937	1303	0.0614
	TCDD	28.68		1.0423	1.0419	-0.7	2.43E+04	0.79	Y	1.08	0.0987	1303	0.0614
	TCDD	30.89		0.9131	0.9133	+0.4	1.49E+06	1.54	Y	1.07	7.8	1435	0.0756
	TCDD	31.51		0.9319	0.9316	-0.6	1.58E+05	1.53	Y	1.07	0.826	1435	0.0756
	TCDD	32.16		0.9511	0.9510	-0.2	1.18E+06	1.56	Y	1.07	6.17	1435	0.0756
	TCDD	32.39		0.9576	0.9576	0	4.35E+05	1.60	Y	1.07	2.27	1435	0.0756
	TCDD	32.51		0.9611	0.9611	0	9.00E+05	1.58	Y	1.07	4.7	1435	0.0756
	TCDD	32.81		0.9703	0.9703	0	3.41E+05	1.46	Y	1.07	1.78	1435	0.0756
	TCDD	33.25		0.9829	0.9831	+0.4	4.13E+05	1.66	Y	1.07	2.16	1435	0.0756
	12378-PeCDD	33.84		1.0006	1.0006	0	4.02E+05	1.45	Y	1.07	2.1	1435	0.0756
	PeCDD	33.95		1.0039	1.0039	0	7.88E+04	1.29	N	1.07	0.411	1435	0.0756
	PeCDD	34.36		1.0161	1.0158	-0.6	1.14E+05	1.41	Y	1.07	0.597	1435	0.0756
	HxCDD	36.46		0.9479	0.9478	-0.2	8.30E+06	1.27	Y	1.01	54.3	1717	0.112
	HxCDD	37.24		0.9682	0.9681	-0.2	2.95E+06	1.24	Y	1.01	19.3	1717	0.112
	HxCDD	37.59		0.9771	0.9772	+0.2	2.28E+07	1.26	Y	1.01	149	1717	0.112
	HxCDD	37.74		0.9811	0.9812	+0.2	1.16E+06	1.26	Y	1.01	7.62	1717	0.112
	123478-HxCDD	38.48		1.0004	1.0004	0	5.63E+05	1.31	Y	1.05	3.59	1717	0.109
	123678-HxCDD	38.62		1.0039	1.0039	0	6.40E+06	1.25	Y	0.98	42.8	1717	0.115
	HxCDD	38.84		1.0097	1.0097	0	3.32E+05	1.26	Y	1.01	2.18	1717	0.112
	123789-HxCDD	38.96		1.0129	1.0129	0	2.30E+06	1.26	Y	1.01	15.1	1717	0.113

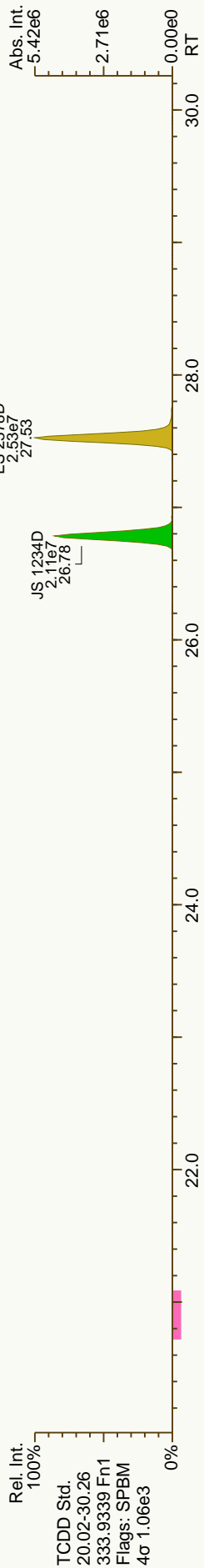
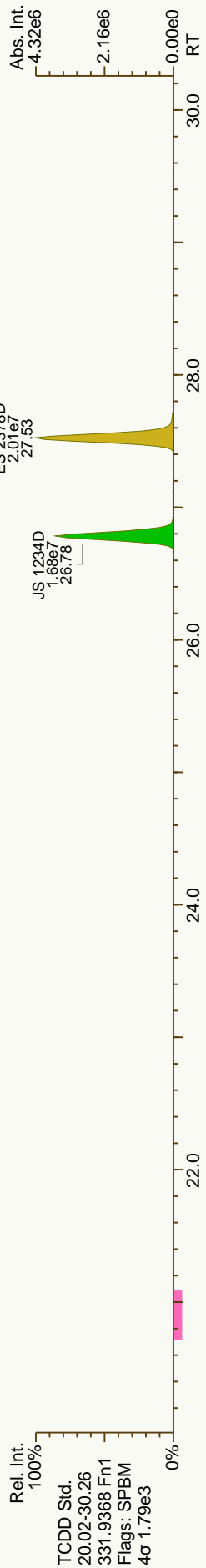
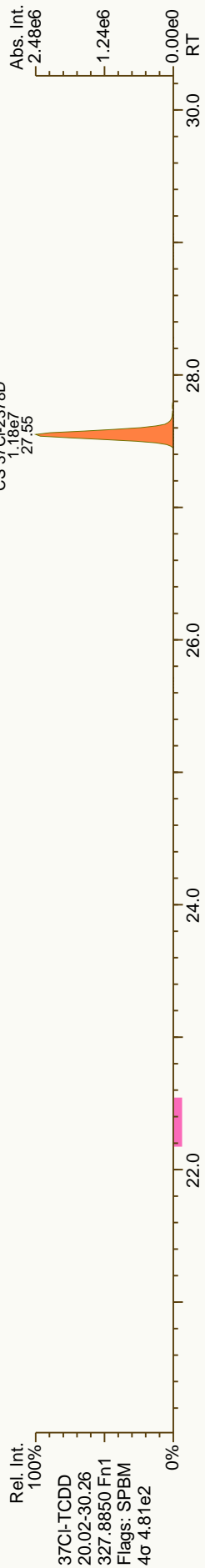
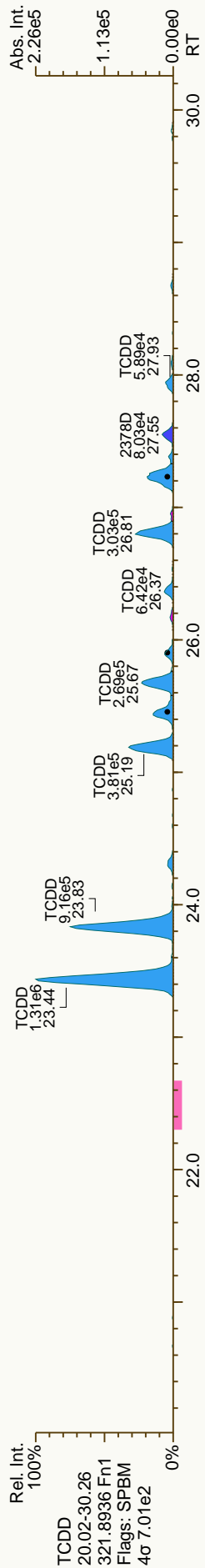
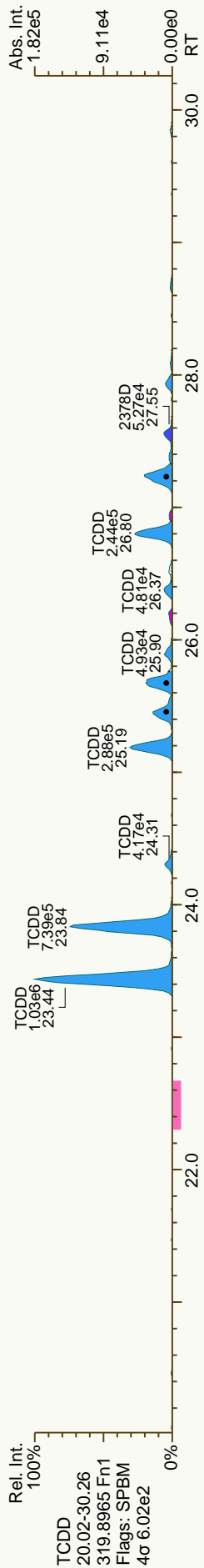
Lab ID: A4722_10216_DF_012 Acq'd: 20 Oct 2012 06:09 MDC Wt/Vol: 10.02 g ICAL: 1613_SGS
 Client ID: JW-EA08-SS131-120507 UTP: 20-Oct-2012 12:55 MDC J-level: 0.499 pg/g Split: 1 Checkcode: 040-828-BBK
 Datafile: 121019P2-07 Report: 21 Oct 2012 10:28 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

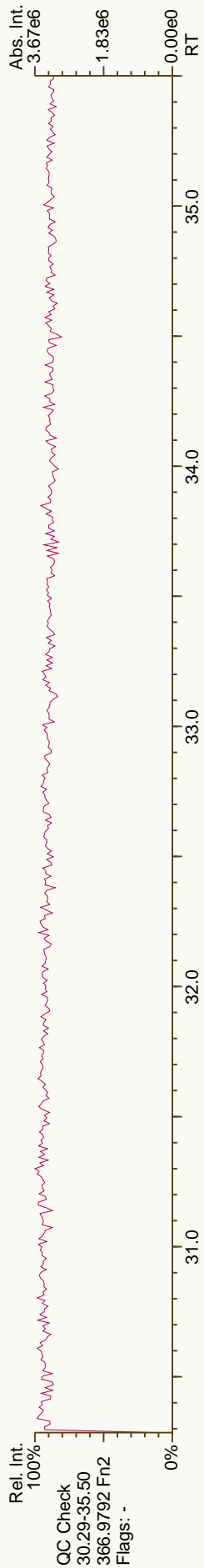
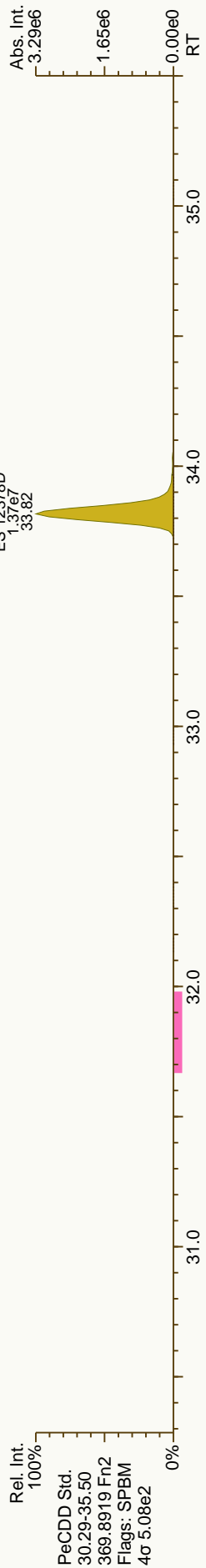
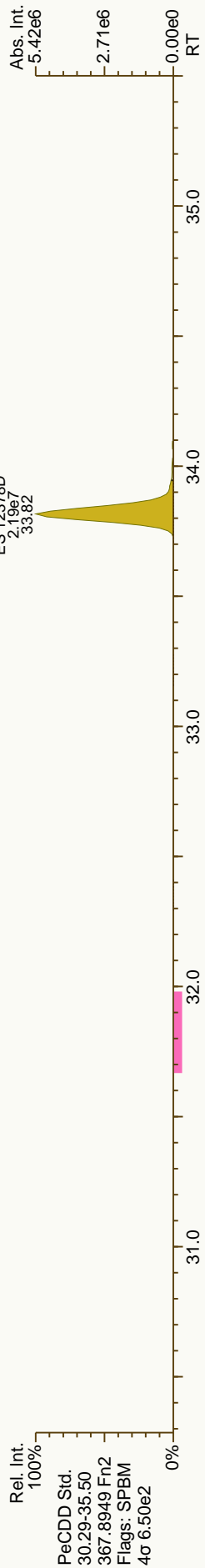
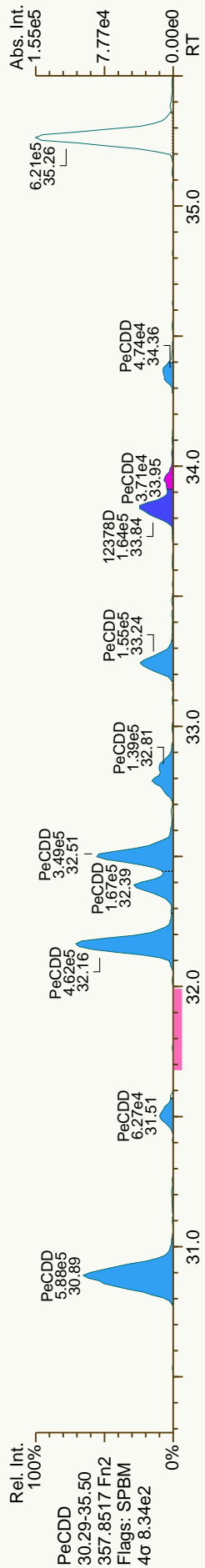
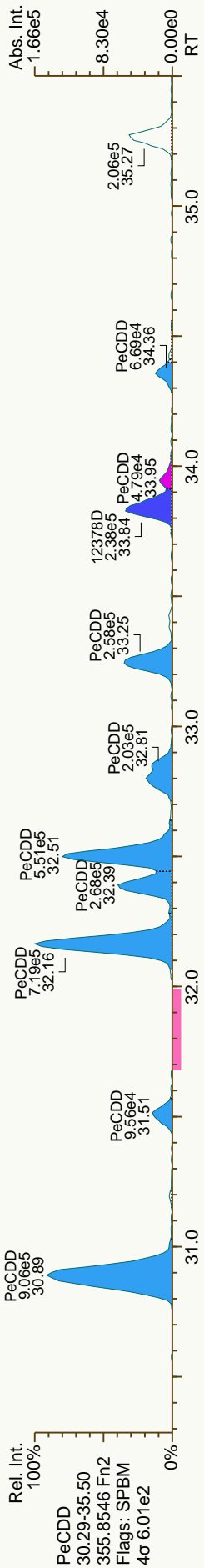
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
HP-CDD	41.74		0.9793	0.9791	-0.5	6.54E+07	1.05	Y	1.09	427	9464	0.579
234678-HP-CDD	42.64		1.0005	1.0003	-0.5	7.15E+07	1.06	Y	1.09	467	9464	0.579
OCDD	46.39		1.0005	1.0003	-0.6	4.15E+08	0.90	Y	1.11	3,630	1191	0.111
OCDD-a	46.38		1.0001	1.0002	+0.3	2.45E+07	2.52	Y	1.00	237	1662	0.172
TCDF	21.22		0.7983	0.7999	+2.5	4.99E+05	0.77	Y	0.98	1.39	1247	0.042
TCDF	21.79		0.8218	0.8212	-1.0	3.24E+05	0.70	Y	0.98	0.905	1247	0.042
TCDF	22.44		0.8463	0.8459	-0.6	1.33E+06	0.77	Y	0.98	3.71	1247	0.042
TCDF	22.84		0.8625	0.8609	-2.5	1.78E+05	0.82	Y	0.98	0.496	1247	0.042
TCDF	23.00		0.8677	0.8670	-1.1	1.49E+06	0.78	Y	0.98	4.14	1247	0.042
TCDF	23.29		0.8787	0.8779	-1.3	1.99E+05	0.76	Y	0.98	0.555	1247	0.042
TCDF	23.43		0.8840	0.8831	-1.4	9.44E+05	0.78	Y	0.98	2.63	1247	0.042
TCDF	23.87		0.8998	0.8997	-0.2	8.00E+05	0.79	Y	0.98	2.23	1247	0.042
TCDF	24.01		0.9054	0.9050	-0.6	2.08E+05	0.85	Y	0.98	0.58	1247	0.042
TCDF	24.20		0.9125	0.9120	-0.8	4.49E+05	0.80	Y	0.98	1.25	1247	0.042
TCDF	24.62		0.9279	0.9278	-0.2	2.45E+05	0.78	Y	0.98	0.685	1247	0.042
TCDF	24.76		0.9334	0.9332	-0.3	4.11E+05	0.87	Y	0.98	1.15	1247	0.042
TCDF	24.93		0.9381	0.9397	+2.5	1.02E+06	0.78	Y	0.98	2.84	1247	0.042
TCDF	25.05		0.9439	0.9442	+0.5	6.06E+05	0.83	Y	0.98	1.69	1247	0.042
TCDF	25.55		0.9630	0.9629	-0.2	9.42E+05	0.81	Y	0.98	2.63	1247	0.042
TCDF	25.66		0.9674	0.9673	-0.2	4.07E+04	0.91	N	0.98	0.113	1247	0.042
TCDF	25.86		0.9746	0.9746	0	3.13E+05	0.70	Y	0.98	0.874	1247	0.042
TCDF	26.07		0.9829	0.9827	-0.3	2.26E+05	0.82	Y	0.98	0.629	1247	0.042
TCDF	26.31		0.9916	0.9915	-0.2	3.64E+05	0.78	Y	0.98	1.02	1247	0.042
TCDF	26.44		0.9963	0.9965	+0.3	2.94E+05	0.80	Y	0.98	0.821	1247	0.042
2378-TCDF	26.56		1.0009	1.0009	0	1.06E+06	0.77	Y	0.98	2.96	1247	0.042
TCDF	26.97		1.0166	1.0166	0	9.22E+05	0.79	Y	0.98	2.57	1247	0.042
TCDF	27.25		1.0274	1.0271	-0.5	5.14E+04	0.66	Y	0.98	0.143	1247	0.042
TCDF	27.55		1.0390	1.0384	-1.0	3.57E+04	0.69	Y	0.98	0.0995	1247	0.042
TCDF	28.86		1.0886	1.0877	-1.4	2.98E+05	0.91	N	0.98	0.831	1247	0.042
PeCDF	28.85		0.8975	0.8990	+2.9	5.75E+06	1.64	Y	1.00	20	1412	0.0516
PeCDF	30.62		0.9542	0.9543	+0.2	4.97E+05	1.40	Y	1.00	1.73	1957	0.0715
PeCDF	30.80		0.9587	0.9600	+2.5	2.44E+06	1.50	Y	1.00	8.5	1957	0.0715
PeCDF	30.92		0.9636	0.9636	0	2.05E+05	1.62	Y	1.00	0.711	1957	0.0715
PeCDF	31.03		0.9671	0.9669	-0.4	6.20E+04	1.83	N	1.00	0.216	1957	0.0715
PeCDF	31.31		0.9760	0.9758	-0.4	8.88E+04	1.07	N	1.00	0.309	1957	0.0715
PeCDF	31.48		0.9810	0.9810	0	3.20E+04	1.11	N	1.00	0.111	1957	0.0715

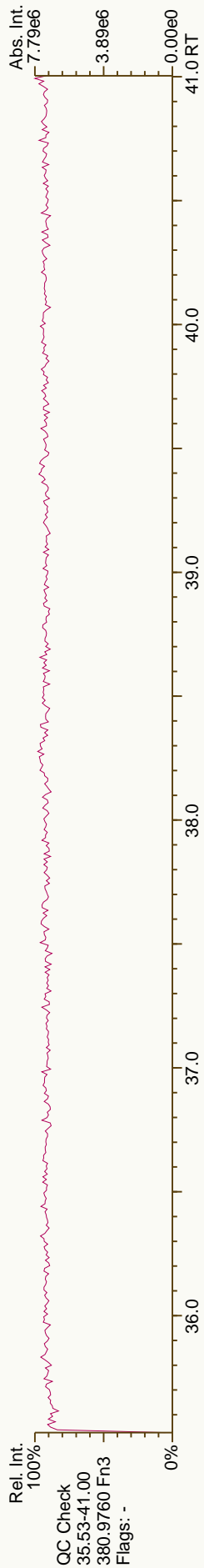
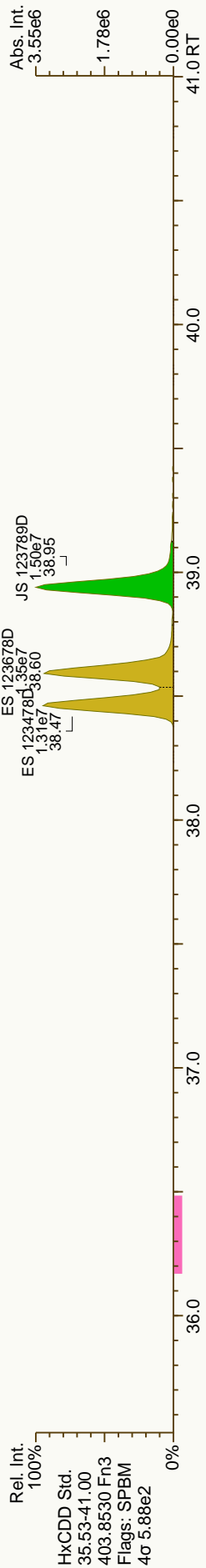
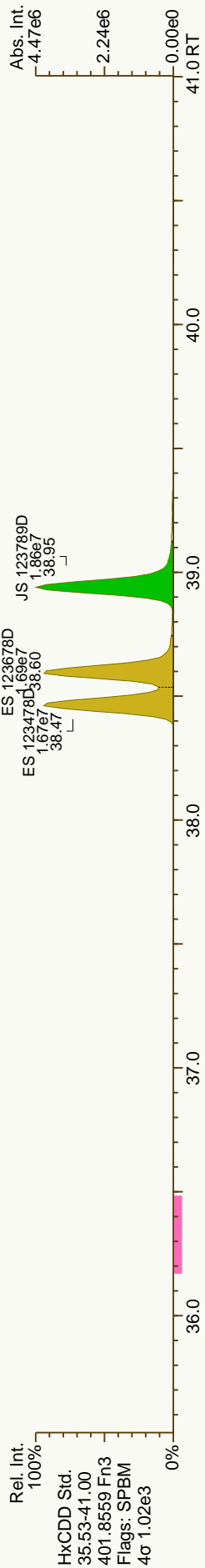
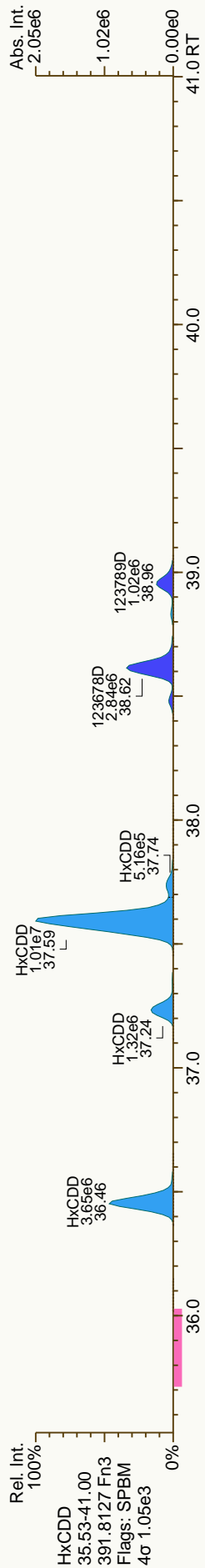
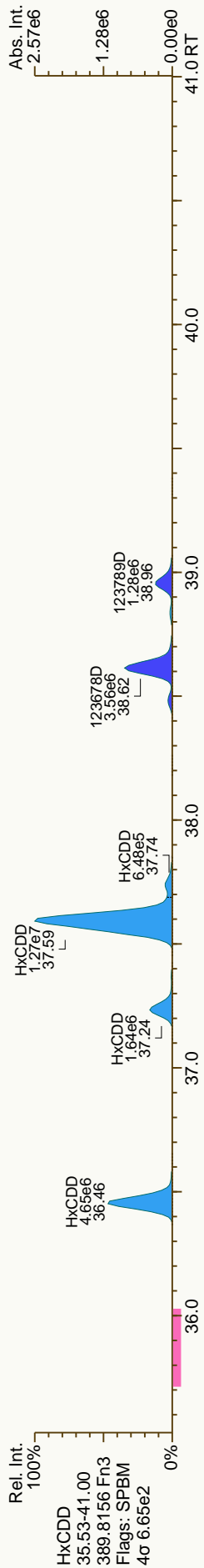
Lab ID: A4722_10216_DF_012 Acq'd: 20 Oct 2012 06:09 MDC Wt/Vol: 10.02 g ICAL: 1613_SGS
 Client ID: JW-EA08-SS131-120507 UTP: 20-Oct-2012 12:55 MDC J-level: 0.499 pg/g Split: 1 Checkcode: 040-828-BBK
 Datafile: 121019P2-07 Report: 21 Oct 2012 10:28 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

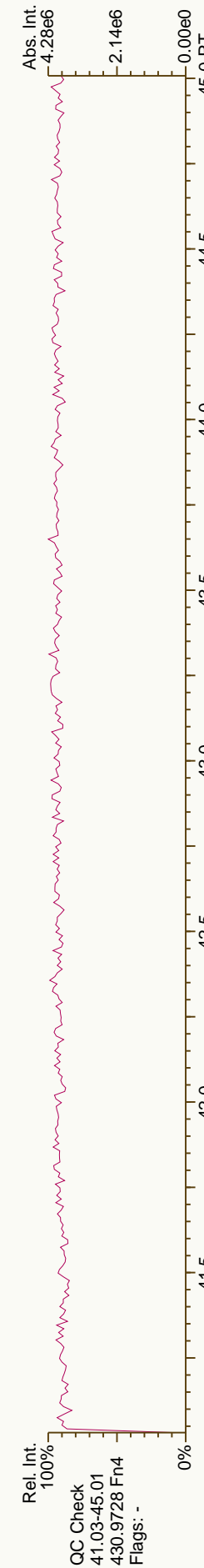
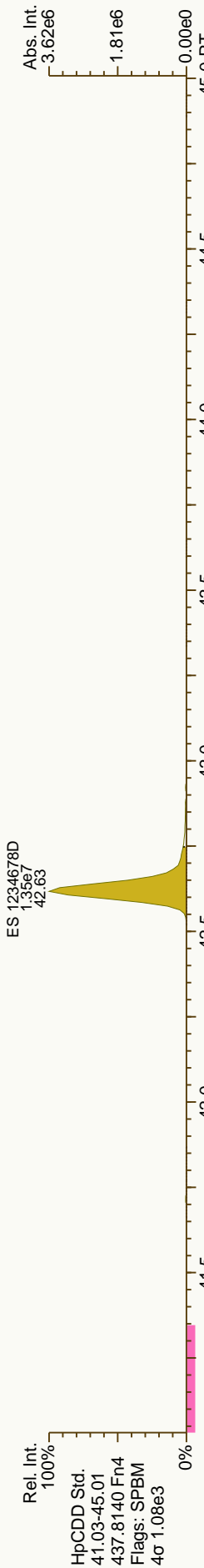
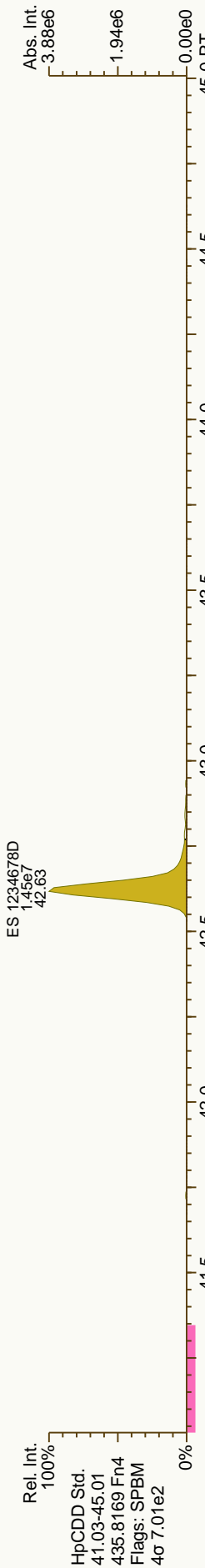
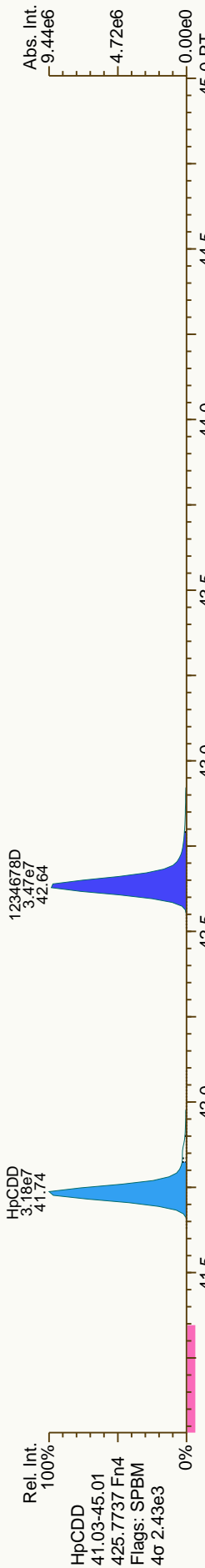
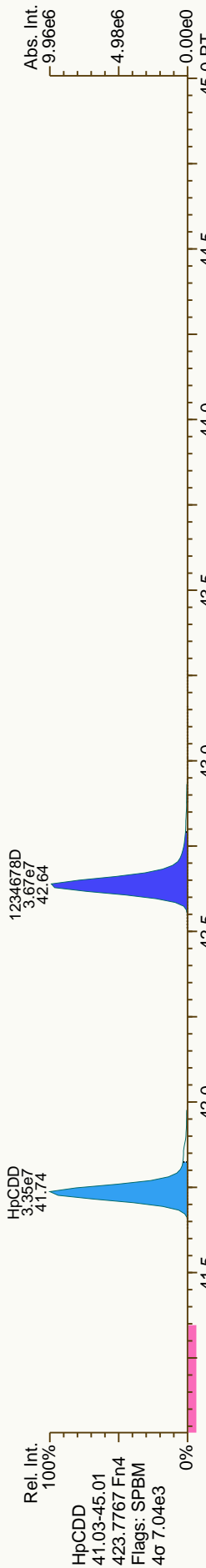
Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	PeCDF	31.58		0.9847	0.9843	-0.8	8.31E+05	1.56	Y	1.00	2.89	1957	0.0715
2	PeCDF	31.66		0.9870	0.9868	-0.4	1.74E+05	1.49	Y	1.00	0.605	1957	0.0715
3	PeCDF	31.86		0.9930	0.9929	-0.2	1.92E+05	1.75	Y	1.00	0.667	1957	0.0715
4	12378-PeCDF	32.10		1.0007	1.0005	-0.4	4.49E+05	1.57	Y	0.99	1.57	1957	0.0746
	PeCDF	32.45		1.0113	1.0112	-0.2	5.55E+05	1.59	Y	1.00	1.93	1957	0.0715
	PeCDF	32.63		1.0169	1.0170	+0.2	3.80E+04	1.58	Y	1.00	0.132	1957	0.0715
	PeCDF	33.12		0.9917	0.9915	-0.4	3.07E+04	1.99	N	1.00	0.107	1957	0.0715
	PeCDF	33.28		0.9962	0.9961	-0.2	2.27E+05	1.41	Y	1.00	0.789	1957	0.0715
	23478-PeCDF	33.44		1.0006	1.0010	+0.8	1.01E+06	1.40	Y	1.02	3.49	1957	0.0686
	PeCDF	NotFnd		0.0000						1.02	0		0
	PeCDF	NotFnd		1.0023						1.00	1957		0.0715
	PeCDF	NotFnd		1.0120						1.00	1957		0.0715
	PeCDF	34.70		1.0389	1.0387	-0.4	5.73E+04	1.71	Y	1.00	0.199	1957	0.0715
	HxCDF	35.67		0.9565	0.9563	-0.4	4.04E+06	1.22	Y	1.15	16	3173	0.126
	HxCDF	35.90		0.9627	0.9626	-0.2	1.22E+07	1.26	Y	1.15	48.6	3173	0.126
	NotFnd	NotFnd		0.9700						1.15		3173	0.126
	HxCDF	36.41		0.9762	0.9762	0	2.30E+05	1.20	Y	1.15	0.911	3173	0.126
	HxCDF	36.68		0.9833	0.9833	0	1.61E+07	1.26	Y	1.15	63.9	3173	0.126
	HxCDF	37.17		0.9968	0.9966	-0.4	2.21E+05	1.28	Y	1.15	0.876	3173	0.126
	123478-HxCDF	37.32		1.0006	1.0005	-0.2	1.24E+06	1.25	Y	1.19	5.14	3173	0.129
	123678-HxCDF	37.48		1.0005	1.0005	0	9.87E+05	1.24	Y	1.16	3.54	3173	0.12
	NotFnd	NotFnd		1.0055						1.15		3173	0.126
	HxCDF	37.85		1.0102	1.0102	0	6.84E+04	1.34	Y	1.15	0.271	3173	0.126
	HxCDF	NotFnd		0.9933						1.15		3173	0.126
	234678-HxCDF	38.26		1.0006	1.0003	-0.7	1.51E+06	1.25	Y	1.18	5.38	3173	0.107
	HxCDF	NotFnd		0.0000						1.18	0		0
	HxCDF	NotFnd		1.0009						1.15		3173	0.126
	123789-HxCDF	NotFnd		1.0005						1.09		3173	0.157
	HxCDF	NotFnd		0.0000						1.09	0		0
	123489-HxCDF	39.41		1.0013	1.0012	-0.2	3.96E+05	1.30	Y	1.15	1.57	3173	0.126
	1234678-HpCDF	41.37		1.0004	1.0003	-0.2	2.34E+07	1.02	Y	1.35	101	4177	0.175
	HpCDF	41.73		1.0091	1.0090	-0.2	4.00E+05	1.17	Y	1.34	1.89	4177	0.188
	HpCDF	41.91		1.0140	1.0135	-1.2	4.03E+07	1.02	Y	1.34	190	4177	0.188
	1234789-HpCDF	43.24		1.0004	1.0003	-0.3	9.09E+05	1.01	Y	1.34	4.69	4177	0.205
	OCDF	46.63		1.0057	1.0056	-0.3	2.06E+07	0.90	Y	1.40	143	904	0.0671
	OCDF-a	46.62		1.0053	1.0054	+0.3	1.28E+06	2.24	Y	1.00	12.4	768	0.0795

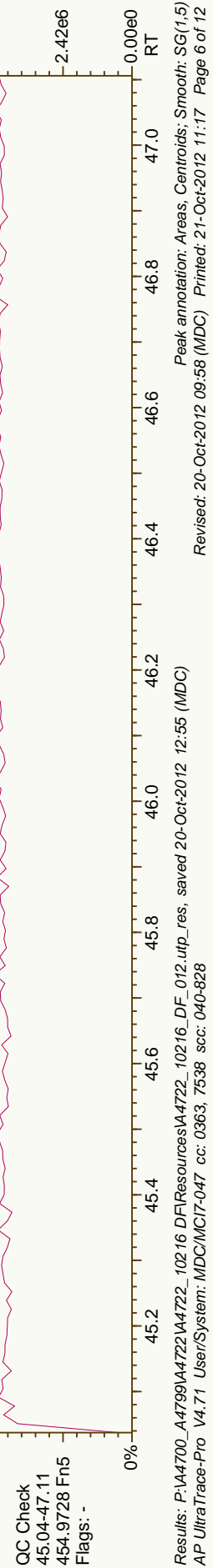
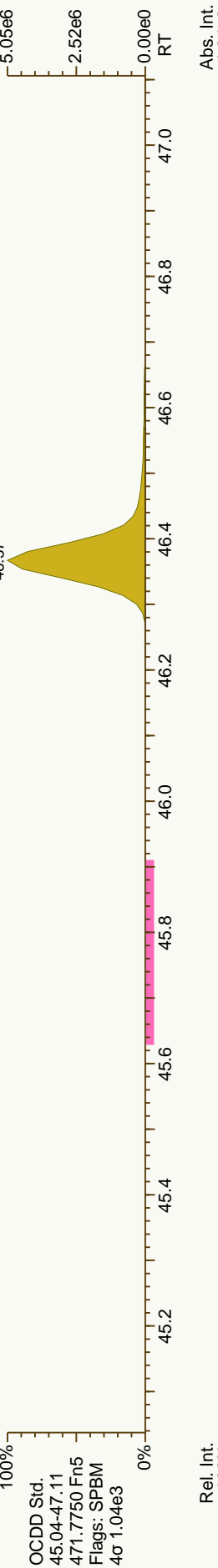
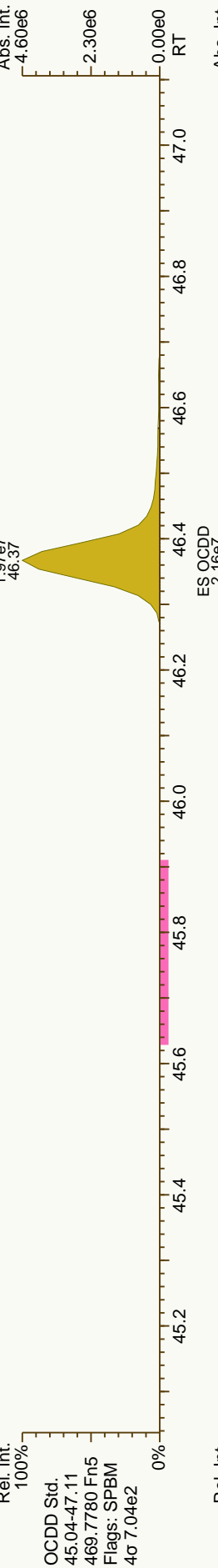
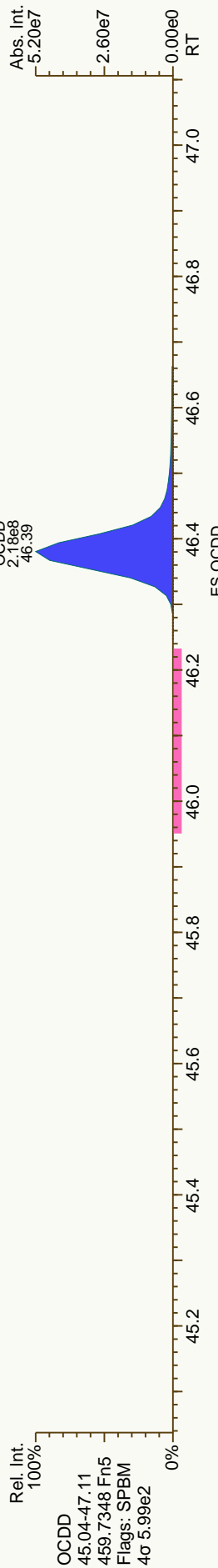
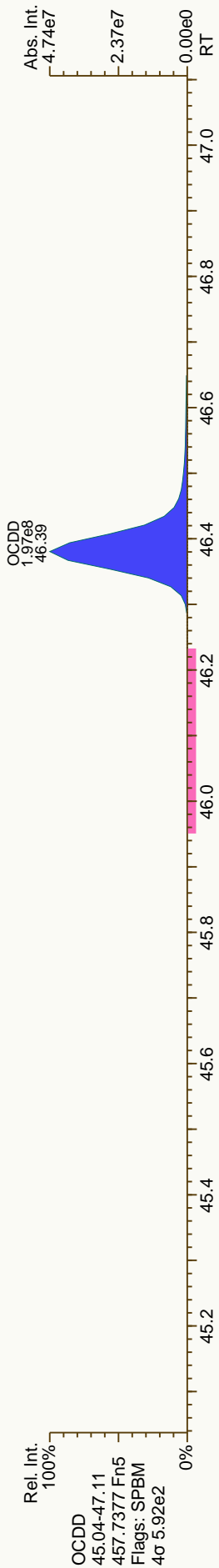


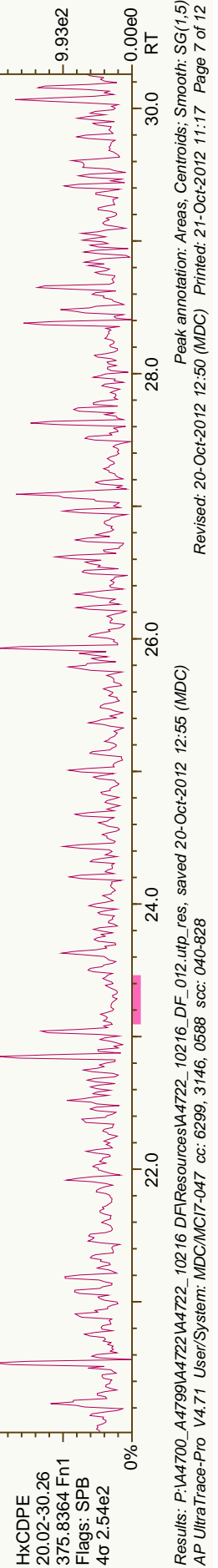
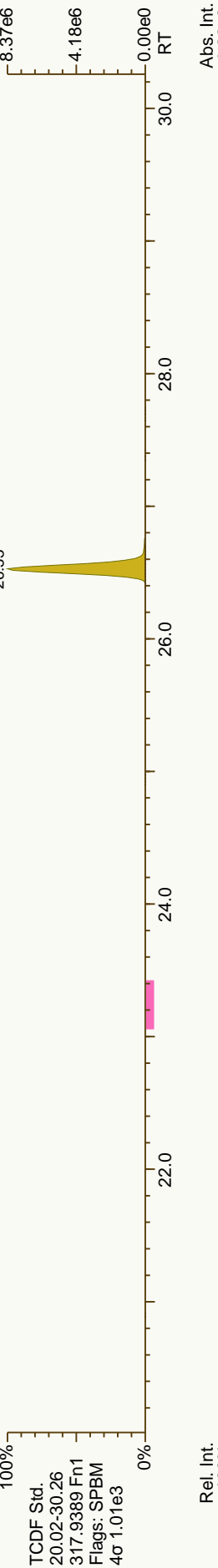
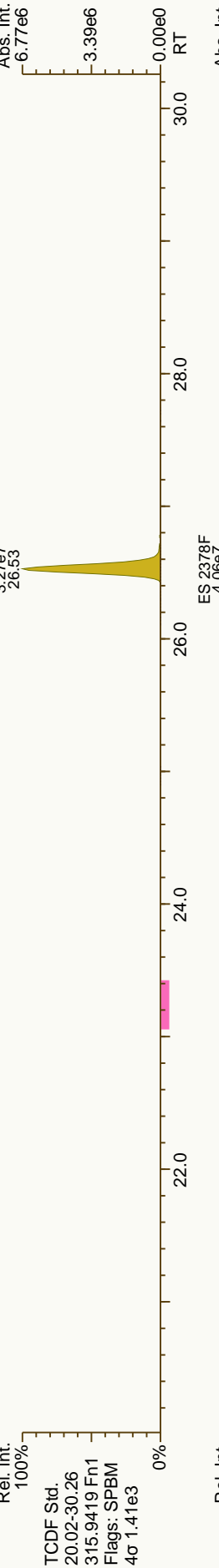
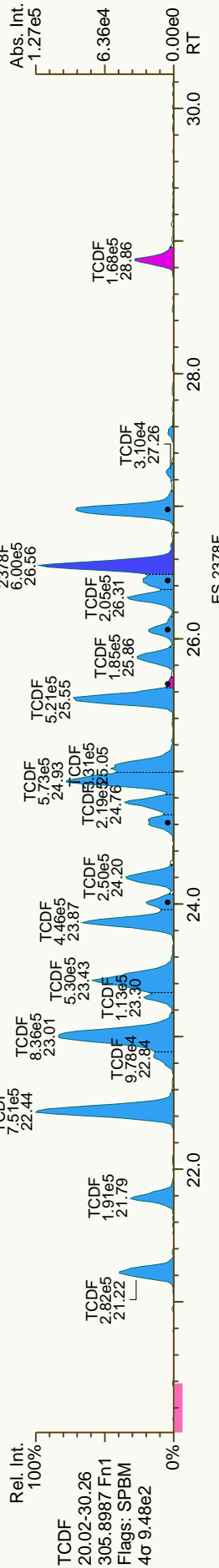
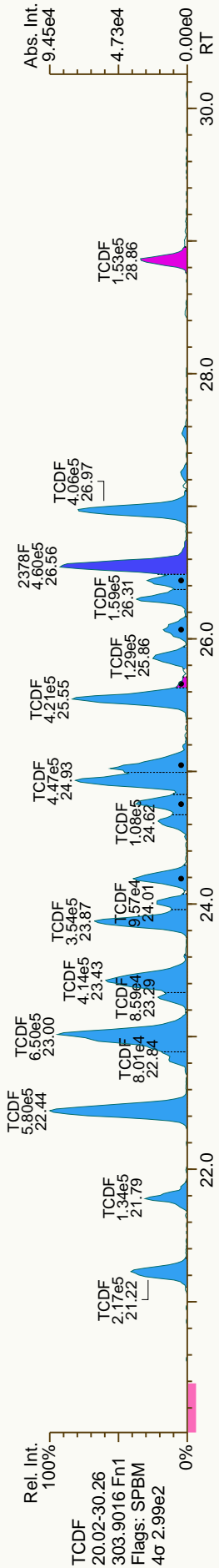


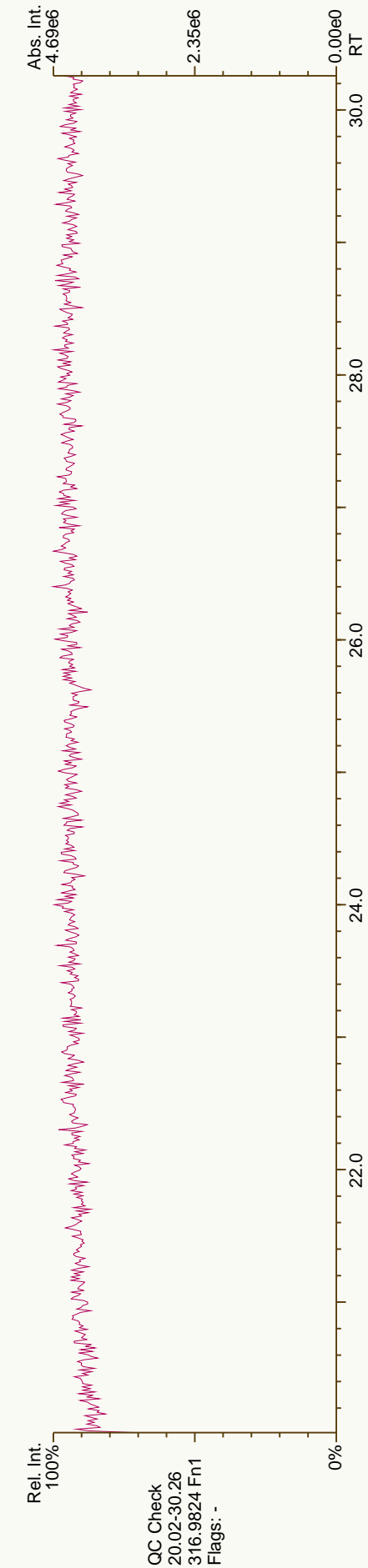
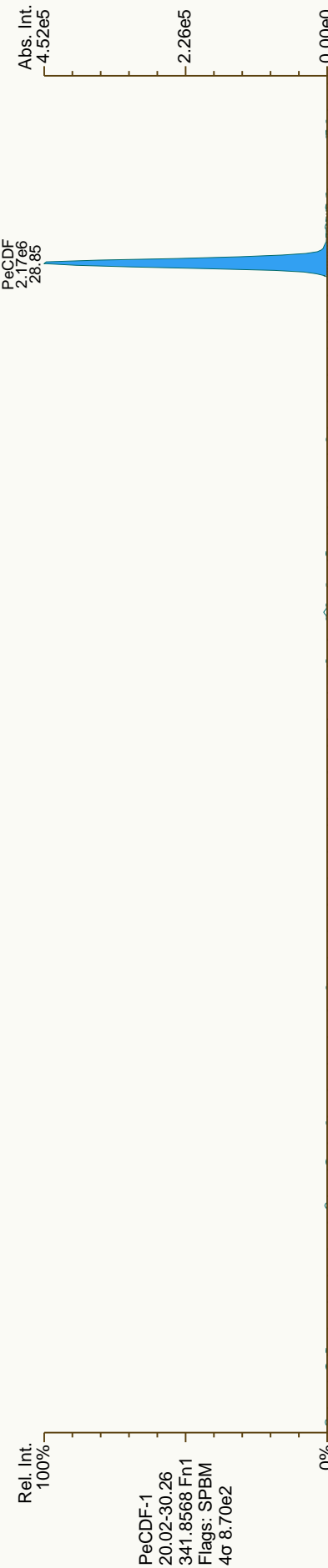
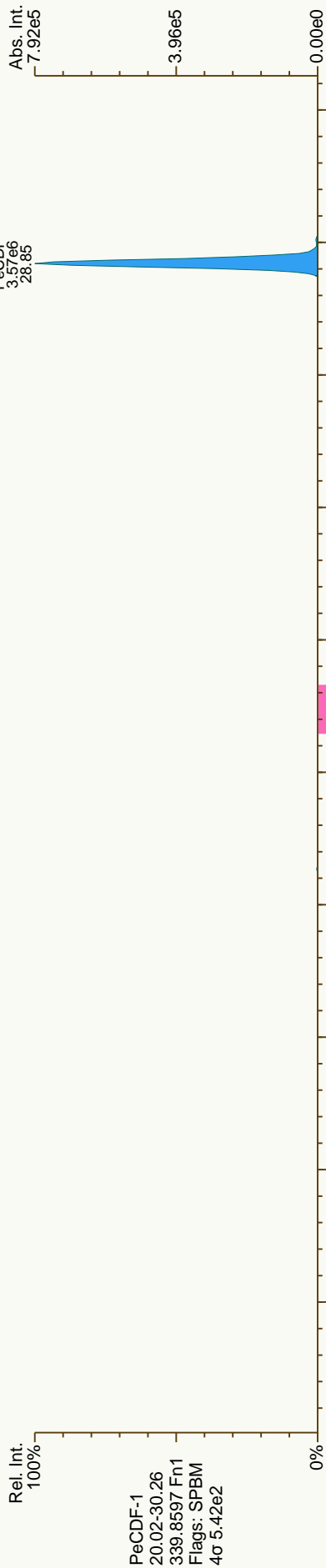


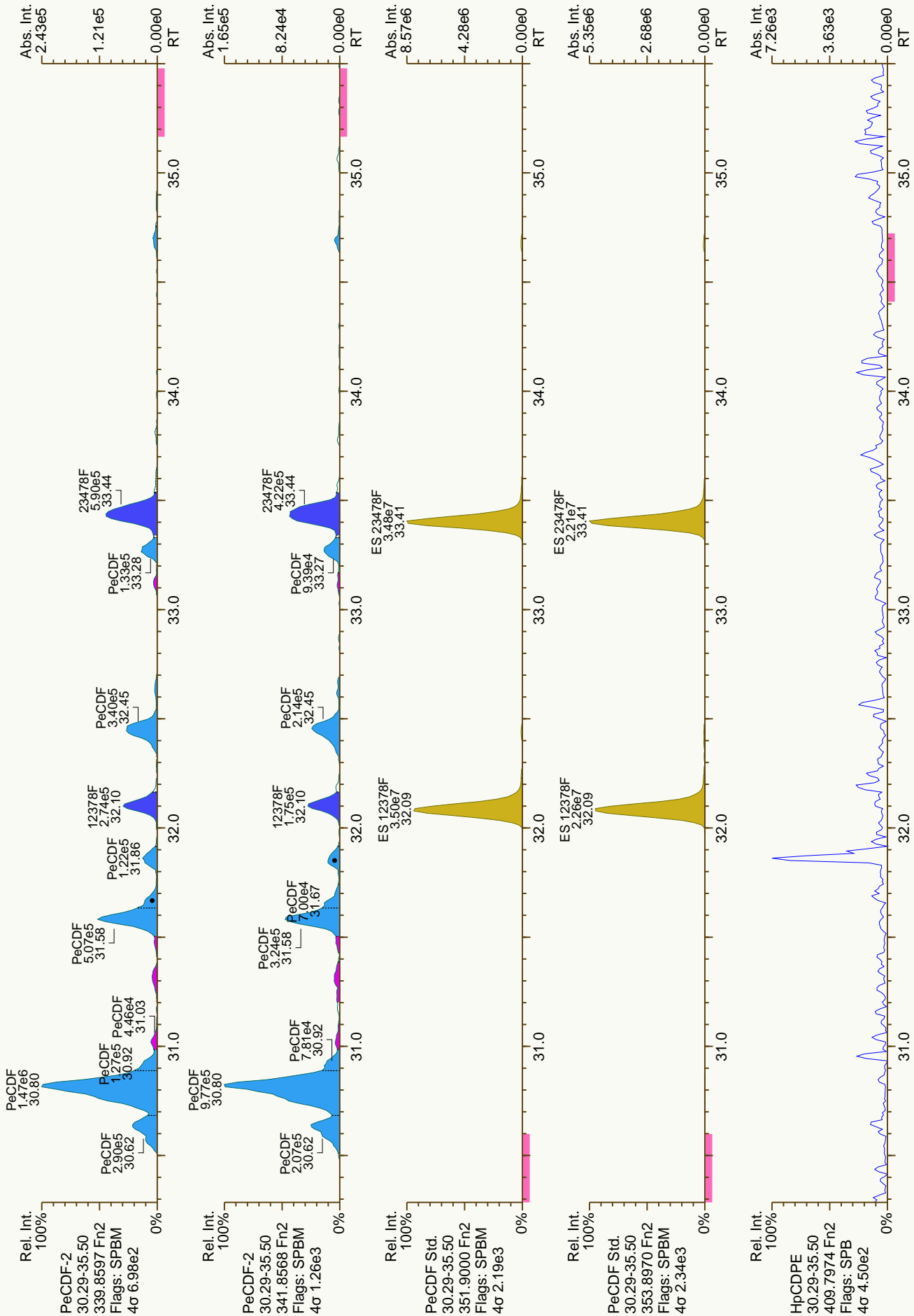


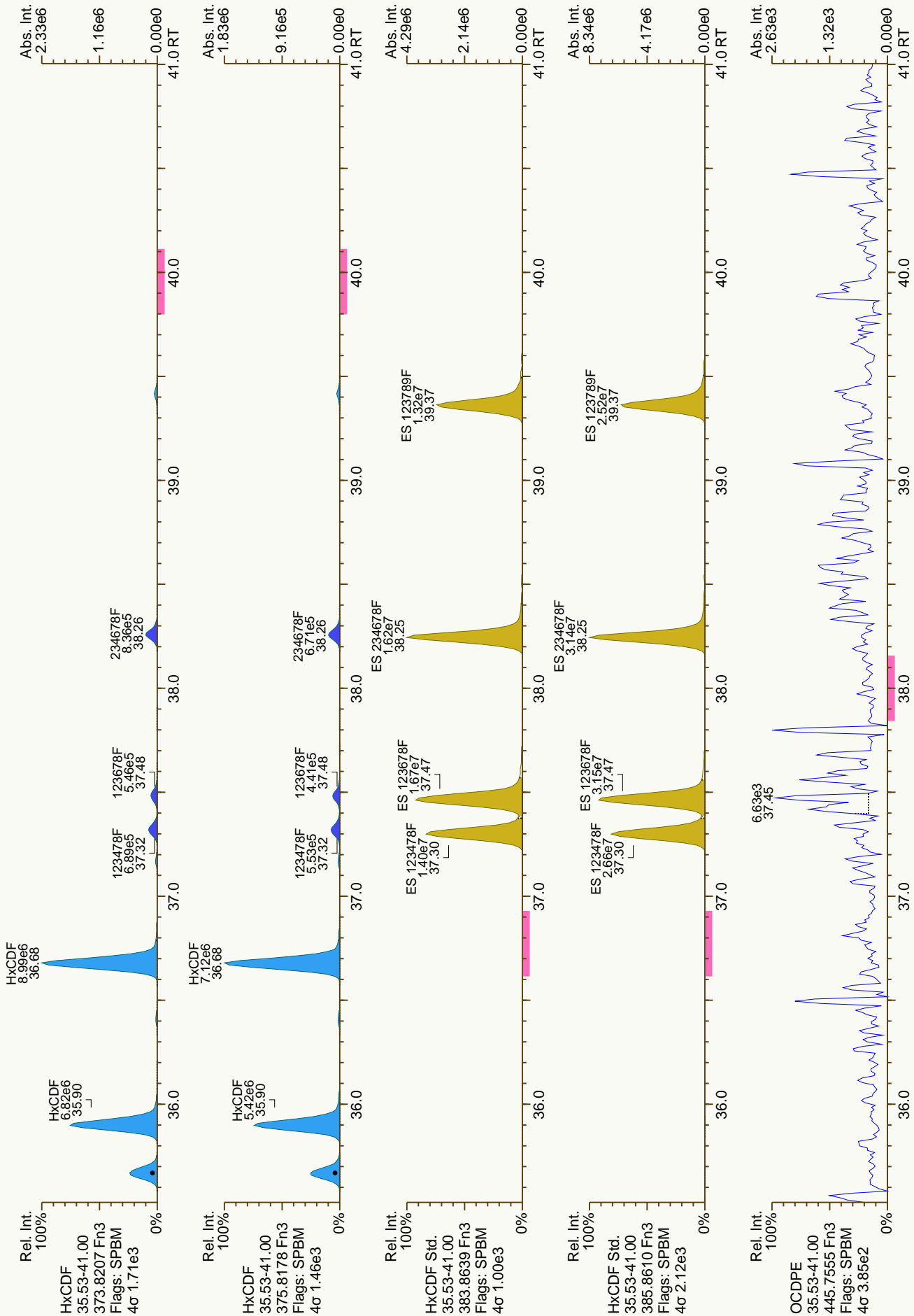


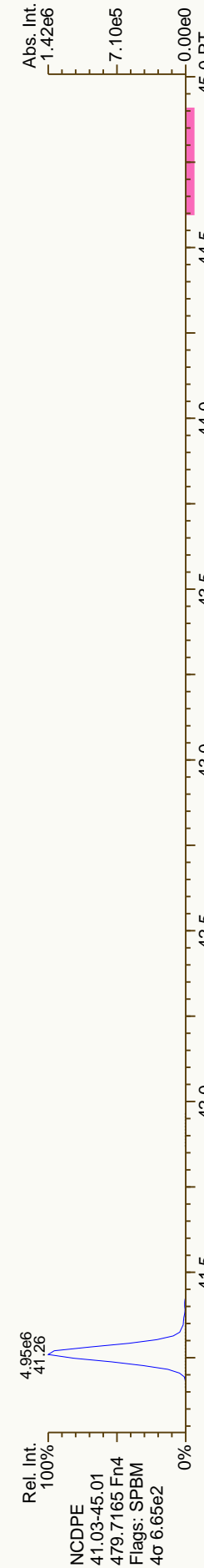
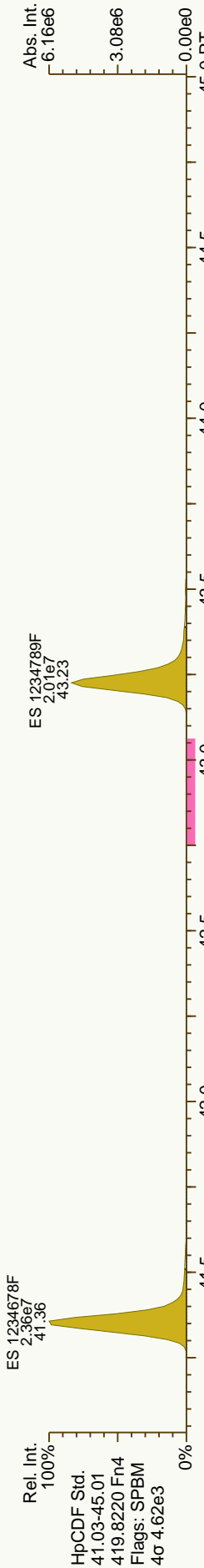
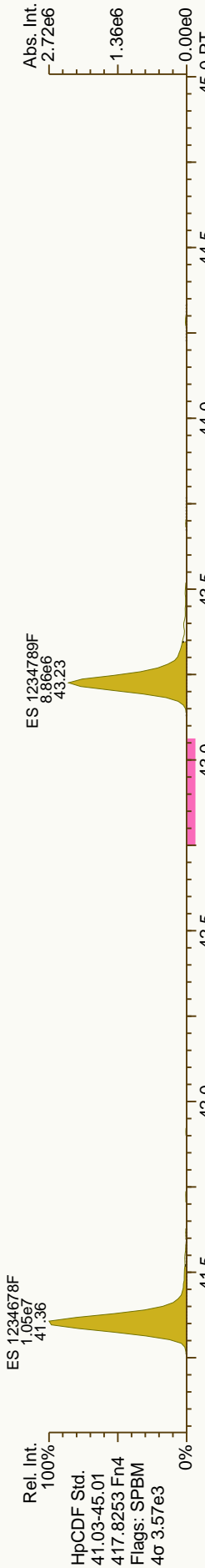
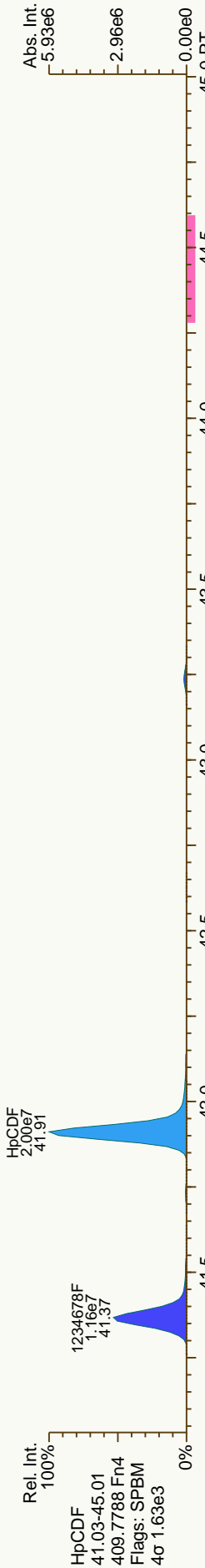
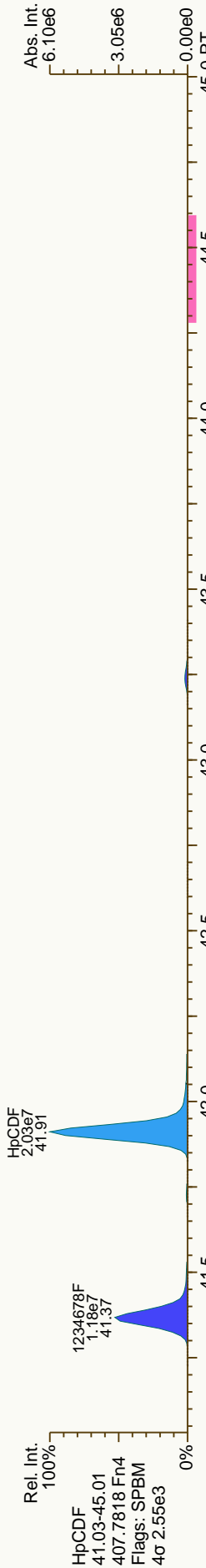


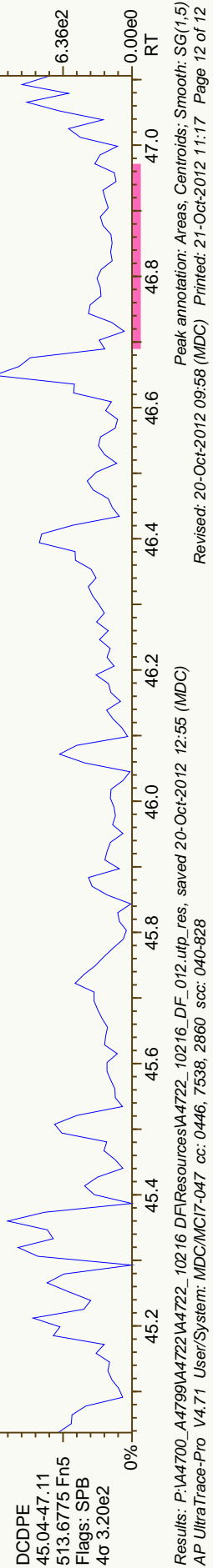
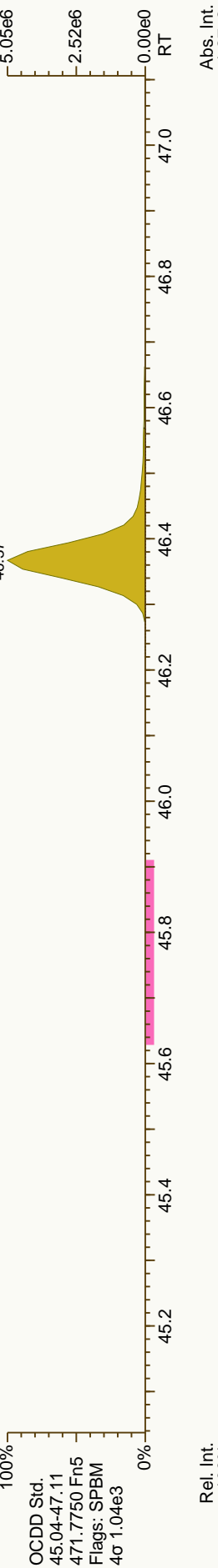
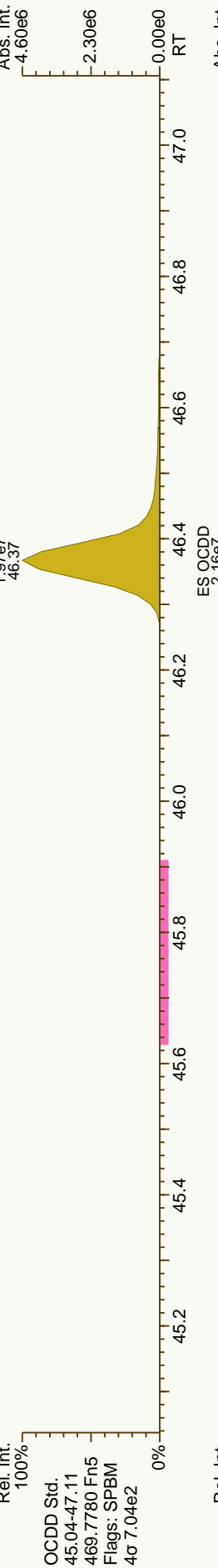
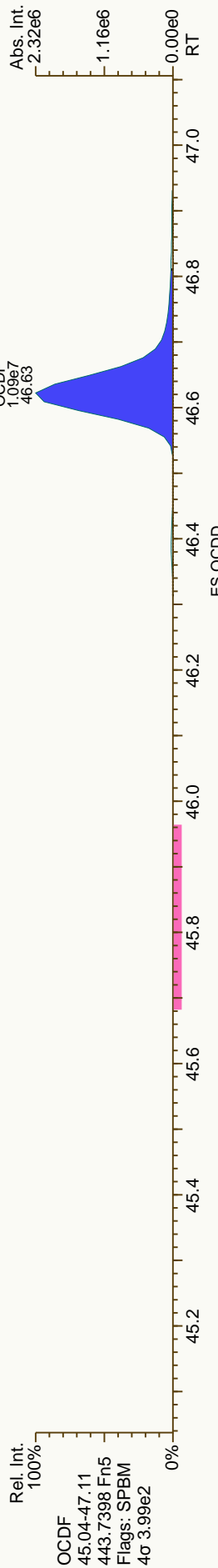
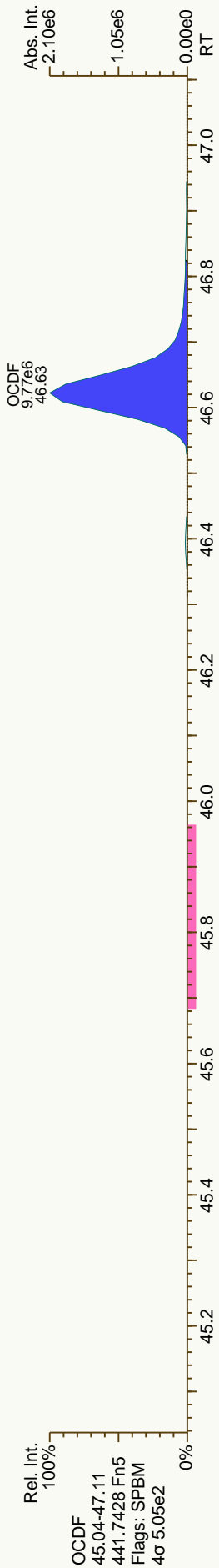












Quantify Sample Summary Report MassLynx 4.1
 ### Confirms Sample Summary ###

Dataset: C:\MassLynx\Default.pro\Results\c31oct12b-Confirms.qld

Last Altered: Thursday, November 01, 2012 16:02:41 Eastern Daylight Time
 Printed: Thursday, November 01, 2012 16:05:23 Eastern Daylight Time

A4722-10216-012

31203249

Method: C:\MassLynx\Default.PRO\MethDB\VF\Xms-TCDF_Smooth.mdb 01 Nov 2012 13:33:15
 Calibration: C:\MassLynx\Default.PRO\CurveDB\VF\Xms-100212a_Confirm-ID.cdb 31 Oct 2012 15:37:39

Name: c31oct12b-15
 Date: 31-Oct-2012
 Time: 22:24:59
 ID: 31203249012
 User: JHL
 Submitter:
 Task: HRMS3

2378-TCDF
 (13870) (100 PS/μm) (200μ) ~ 1.560 PS/μ
 (874000) (1.218) (140.475)

Rev. mff 11/1/12

Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RRT	RT	Conc	EDL	SN1	SN2	M	Height1	Noise1	Height2	Noise2	Smp S...	FV
2378-TCDF	1.387e4	6.299e3	7.588e3	0.83	NO	1.0006	21.00	1.559	0.0452	75.8	97.6	db	1.440e5	1898	1.797e5	1840	16.67	20
ES:13C-2378-TCDF	8.760e5	3.858e5	4.902e5	0.79	NO	1.0025	20.99	147.152	0.1410	2284.3	2797.2	bb	8.978e6	3930	1.109e7	3965	16.67	20
JS:13C-1234-TCDD	4.315e5	1.944e5	2.371e5	0.82	NO	0.0000	20.94	119.976	0.2225	1273.1	1441.6	bb	4.571e6	3591	5.673e6	3935	16.67	20
Tetrafurans	-	7.225e4	-	-	-	-	-	18.998	0.0452	-	-	-	1.087e6	1898	-	-	16.67	20
F1 Lock Mass	-	-	-	-	-	-	-	-	-	-	-	-	-	84492	-	-	1.00	1

Quantify Sample Report MassLynx 4.1

Confirms Sample Summary

Dataset: C:\MassLynx\Default.pro\Results\c31oct12b-Confirms.qld

Last Altered: Thursday, 11/1/2012 11:23:28 AM Eastern Daylight Time

Printed: Thursday, 11/1/2012 11:24:56 AM Eastern Daylight Time

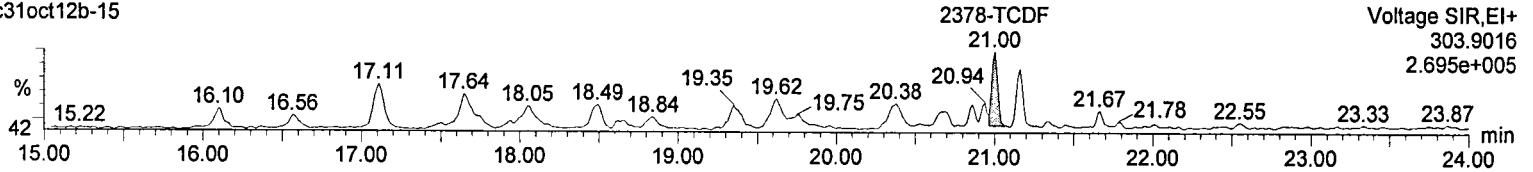
Method: C:\MassLynx\Default.PRO\MethDB\VFxms-TCDF_Smooth.mdb 31 Oct 2012 16:33:04

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c31oct12b-15, ID: 31203249012

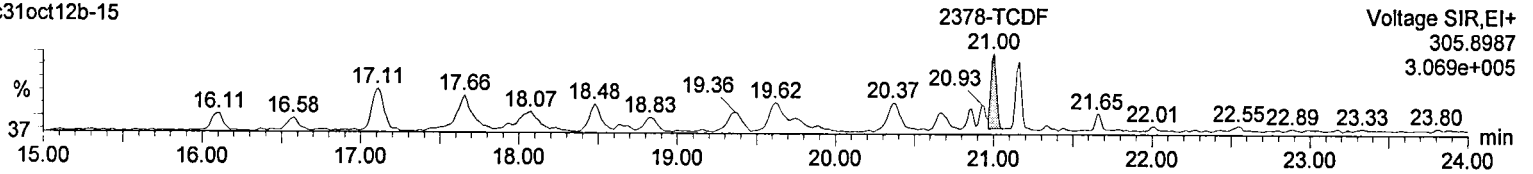
TCDF

c31oct12b-15



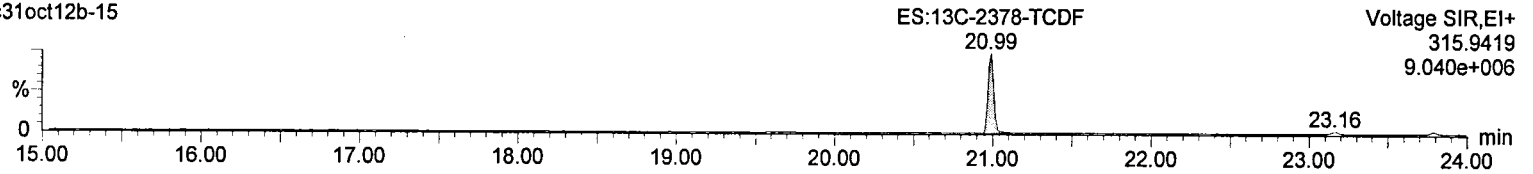
TCDF

c31oct12b-15



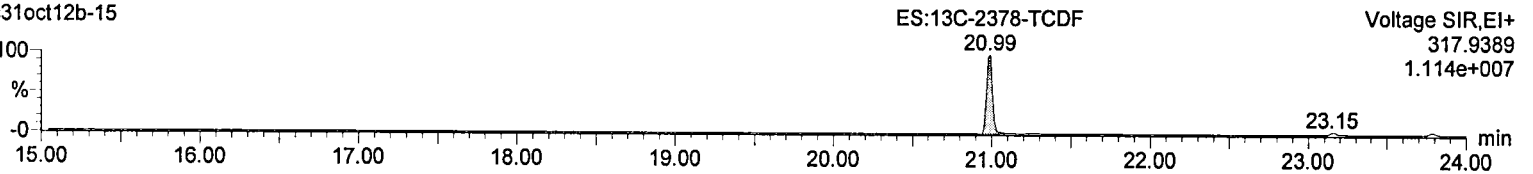
13C-TCDF

c31oct12b-15



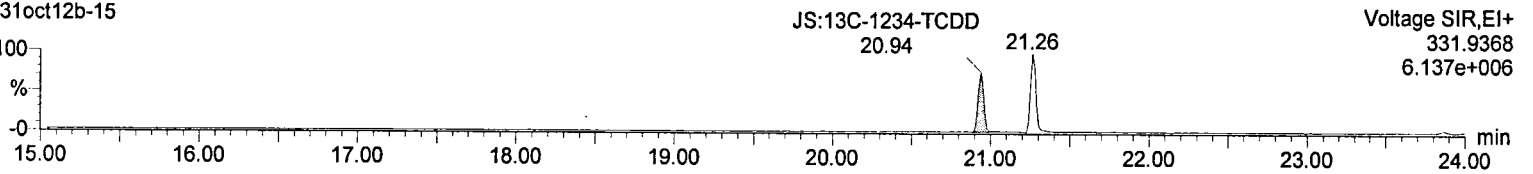
13C-TCDF

c31oct12b-15



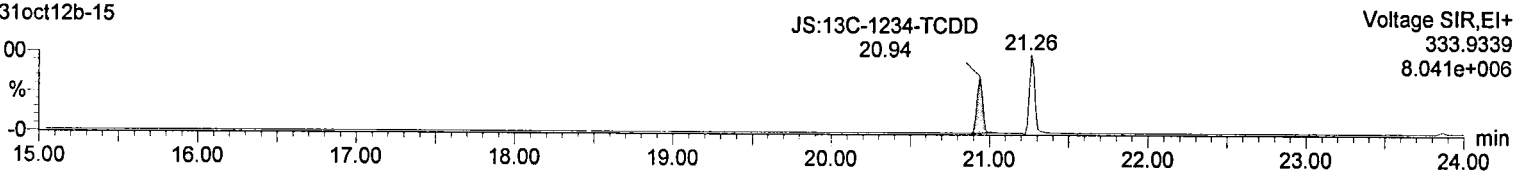
13C-TCDD

c31oct12b-15



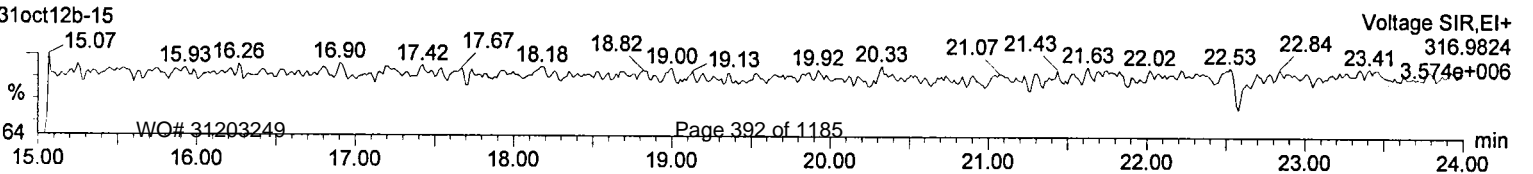
13C-TCDD

c31oct12b-15



F1 Lock Mass

c31oct12b-15



Batch Summary

Analytical Method: EPA 1613B

Prep Method: EPA 1613 PREP S/D/T

Prep Batch: HXX1802

Prep Date: 10/10/2012 09:35

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Analysis Date</u>	<u>Analytical Batch</u>	<u>Instrument</u>	<u>Analyst</u>
OPR for HBN 30584 [HXX/1802]	95223	10/19/2012 15:32	HRD1902	APHRMS	MDC
LMB for HBN 30584 [HXX/1802]	95222	10/19/2012 17:14	HRD1902	APHRMS	MDC
JW-EA09-SS35-120507	31203249010	10/19/2012 18:05	HRD1902	APHRMS	MDC
JW-EA09-SS34-120507	31203249009	10/19/2012 18:57	HRD1902	APHRMS	MDC
JW-EA09-SS36-120507	31203249011	10/19/2012 20:39	HRD1902	APHRMS	MDC
JW-EA08-SS31-120507	31203249006	10/19/2012 21:30	HRD1902	APHRMS	MDC
JW-EA08-SS29-120507	31203249004	10/19/2012 22:21	HRD1902	APHRMS	MDC
JW-EA07-SS27-120507	31203249002	10/20/2012 01:53	HRD1902	APHRMS	MDC
JW-EA09-SS33-120507	31203249008	10/20/2012 02:44	HRD1902	APHRMS	MDC
JW-EA08-SS30-120507	31203249005	10/20/2012 03:35	HRD1902	APHRMS	MDC
JW-EA07-SS28-120507	31203249003	10/20/2012 04:27	HRD1902	APHRMS	MDC
JW-EA07-SS26-120507	31203249001	10/20/2012 05:18	HRD1902	APHRMS	MDC
JW-EA08-SS131-120507	31203249012	10/20/2012 06:09	HRD1902	APHRMS	MDC
JW-EA07-SS26-120507	31203249001	10/31/2012 16:08	HRD1912	HRMS3	JHL
JW-EA07-SS27-120507	31203249002	10/31/2012 16:42	HRD1912	HRMS3	JHL
JW-EA07-SS28-120507	31203249003	10/31/2012 17:17	HRD1912	HRMS3	JHL
JW-EA08-SS29-120507	31203249004	10/31/2012 17:51	HRD1912	HRMS3	JHL
JW-EA08-SS30-120507	31203249005	10/31/2012 18:25	HRD1912	HRMS3	JHL
JW-EA08-SS31-120507	31203249006	10/31/2012 18:59	HRD1912	HRMS3	JHL
JW-EA09-SS33-120507	31203249008	10/31/2012 20:08	HRD1912	HRMS3	JHL
JW-EA09-SS34-120507	31203249009	10/31/2012 20:42	HRD1912	HRMS3	JHL
JW-EA09-SS35-120507	31203249010	10/31/2012 21:16	HRD1912	HRMS3	JHL
JW-EA09-SS36-120507	31203249011	10/31/2012 21:50	HRD1912	HRMS3	JHL
JW-EA08-SS131-120507	31203249012	10/31/2012 22:24	HRD1912	HRMS3	JHL

Method Blank Summary

Blank ID: LMB for HBN 30584 [HXX/1802]

Matrix: Soil-Solid as dry weight

Blank Lab ID: 95222

QC for Samples:

31203249001, 31203249002, 31203249003, 31203249004, 31203249005, 31203249006, 31203249008,
31203249009, 31203249010, 31203249011, 31203249012

Results by EPA 1613B

Parameter	Result	EMPC	Qual	DL	LOQ/CL	Units	RT	Ratio
2,3,7,8-TCDD	ND		U	0.0792	0.500	pg/g		
1,2,3,7,8-PeCDD	ND		U	0.102	2.50	pg/g		
1,2,3,4,7,8-HxCDD	ND		U	0.159	2.50	pg/g		
1,2,3,6,7,8-HxCDD	ND		U	0.173	2.50	pg/g		
1,2,3,7,8,9-HxCDD	ND		U	0.166	2.50	pg/g		
1,2,3,4,6,7,8-HpCDD	ND		U	0.198	2.50	pg/g		
OCDD	1.35		J	0.272	5.00	pg/g	46.40	0.99
2,3,7,8-TCDF	ND		U	0.0454	0.500	pg/g		
1,2,3,7,8-PeCDF	ND		U	0.0790	2.50	pg/g		
2,3,4,7,8-PeCDF	ND		U	0.0802	2.50	pg/g		
1,2,3,4,7,8-HxCDF	ND		U	0.0973	2.50	pg/g		
1,2,3,6,7,8-HxCDF	ND		U	0.0890	2.50	pg/g		
2,3,4,6,7,8-HxCDF	ND		U	0.0969	2.50	pg/g		
1,2,3,7,8,9-HxCDF	ND		U	0.141	2.50	pg/g		
1,2,3,4,6,7,8-HpCDF	ND		U	0.106	2.50	pg/g		
1,2,3,4,7,8,9-HpCDF	ND		U	0.128	2.50	pg/g		
OCDF	ND		U	0.161	5.00	pg/g		
Total TCDD	ND		U	0.0792	0.500	pg/g		
Total TCDF	ND		U	0.0454	0.500	pg/g		
Total PeCDD	ND		U	0.102	2.50	pg/g		
Total PeCDF	ND		U	0.0796	2.50	pg/g		
Total HxCDD	ND		U	0.166	2.50	pg/g		
Total HxCDF	ND		U	0.103	2.50	pg/g		
Total HpCDD	ND	0.203	J	0.198	2.50	pg/g		
Total HpCDF	ND		U	0.116	2.50	pg/g		

Labeled Standards

13C-2378-TCDD	91.0				25.0-164	%		
13C-12378-PeCDD	79.0				25.0-181	%		
13C-123478-HxCDD	90.0				32.0-141	%		
13C-123678-HxCDD	82.0				28.0-130	%		
13C-1234678-HpCDD	90.0				23.0-140	%		
13C-OCDD	76.0				17.0-157	%		
13C-2378-TCDF	87.0				24.0-169	%		
13C-12378-PeCDF	80.0				24.0-185	%		
13C-23478-PeCDF	77.0				21.0-178	%		
13C-123478-HxCDF	92.0				26.0-152	%		
13C-123678-HxCDF	98.0				26.0-123	%		
13C-234678-HxCDF	99.0				29.0-147	%		
13C-123789-HxCDF	80.0				28.0-136	%		

Method Blank Summary

Blank ID: LMB for HBN 30584 [HXX/1802]

Matrix: Soil-Solid as dry weight

Blank Lab ID: 95222

QC for Samples:

31203249001, 31203249002, 31203249003, 31203249004, 31203249005, 31203249006, 31203249008,
31203249009, 31203249010, 31203249011, 31203249012

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
13C-1234678-HpCDF	80.0				28.0-143	%		
13C-1234789-HpCDF	87.0				26.0-138	%		
37Cl-2378-TCDD	107				35.0-197	%		

Batch Information

Analytical Batch: **HRD1902**

Prep Batch: **HXX1802**

Analytical Method: **EPA 1613B**

Prep Method: **EPA 1613 PREP S/D/T**

Instrument: **APHRMS**

Prep Date/Time: **10/10/2012 09:35**

Analyst: **MDC**

Prep Initial Wt./Vol.: **10 g**

Analytical Date/Time: **10/19/2012 17:14**

Prep Extract Vol: **20 uL**

Lab ID: MB1_10216_DF_SDS
 Client ID: MB1_10216_DF_SDS
 Datafile: 121019P1-04

Acq'd: 19 Oct 2012 17:14 MDC
 UTP: 21-Oct-2012 10:21 MDC
 Report: 21 Oct 2012 10:21 MC

Wt/Vol: 10.00 g
 J-level: 0.5 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)
 ICAL: 1613_SGS
 Checkcode: 334-294-RCM



Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.08	-	880	0.0792
2378-PeCDD	NotFnd		1.0006	-		-	-	-	1.07	-	923	0.102
23478-HxCDD	NotFnd		1.0004	-		-	-	-	1.05	-	1208	0.159
123678-HxCDD	NotFnd		1.0039	-		-	-	-	0.98	-	1208	0.173
123789-HxCDD	NotFnd		1.0129	-		-	-	-	1.01	-	1208	0.166
1234678-HpCDD	NotFnd		1.0005	-		-	-	-	1.09	-	1249	0.198
OCDD	46.40		1.0005	1.0002	-0.8	6.47E+04	0.99	Y	1.11	1.35	1066	0.272
2378-TCDF	NotFnd		1.0009	-		-	-	-	0.98	-	733	0.0454
12378-PeCDF	NotFnd		1.0007	-		-	-	-	0.99	-	1153	0.079
23478-PeCDF	NotFnd		1.0006	-		-	-	-	1.02	-	1153	0.0802
123478-HxCDF	NotFnd		1.0006	-		-	-	-	1.19	-	1179	0.0973
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.16	-	1179	0.089
234678-HxCDF	NotFnd		1.0006	-		-	-	-	1.18	-	1179	0.0969
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.09	-	1179	0.141
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.35	-	1023	0.106
1234789-HpCDF	NotFnd		1.0004	-		-	-	-	1.34	-	1023	0.128
OCDF	NotFnd		1.0057	-		-	-	-	1.40	-	797	0.161
Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %		
ES 2378-TCDD	27.53		1.0281	1.0277	-0.6	2.56E+07	0.81	Y	1.04	90.5		
ES 12378-PeCDD	33.83		1.2639	1.2629	-1.6	1.86E+07	1.57	Y	0.87	79		
ES 123478-HxCDD	38.48		0.9876	0.9877	+0.2	1.53E+07	1.26	Y	0.94	90.3		
ES 123678-HxCDD	38.61		0.9910	0.9911	+0.2	1.57E+07	1.26	Y	1.06	82.2		
ES 1234678-HpCDD	42.64		1.0943	1.0945	+0.5	1.30E+07	1.07	Y	0.80	90.4		
ES OCDD	46.39		1.1907	1.1906	-0.2	1.73E+07	0.89	Y	0.63	76.4		
ES 2378-TCDF	26.54		0.9907	0.9906	-0.2	4.08E+07	0.81	Y	1.74	86.6		
ES 12378-PeCDF	32.10		1.1992	1.1982	-1.6	3.24E+07	1.61	Y	1.49	80.1		
ES 23478-PeCDF	33.42		1.2484	1.2475	-1.4	3.12E+07	1.57	Y	1.48	77.5		
ES 123478-HxCDF	37.31		0.9577	0.9577	0	2.10E+07	0.53	Y	1.27	91.8		
ES 123678-HxCDF	37.48		0.9619	0.9619	0	2.49E+07	0.53	Y	1.41	98.1		
ES 234678-HpCDF	38.26		0.9821	0.9821	0	2.38E+07	0.51	Y	1.34	98.6		
ES 123789-HxCDF	39.38		1.0108	1.0108	0	1.74E+07	0.56	Y	1.20	80.4		
ES 1234678-HpCDF	41.37		1.0618	1.0618	0	1.53E+07	0.45	Y	1.06	80.2		
ES 1234789-HpCDF	43.25		1.1100	1.1101	+0.2	1.28E+07	0.46	Y	0.82	86.7		

Lab ID: MB1_10216_DF_SDS Acq'd: 19 Oct 2012 17:14 MDC Wt/Vol: 10.00 g ICAL: 1613_SGS
 Client ID: MB1_10216_DF_SDS UTP: 21-Oct-2012 10:21 MDC J-level: 0.5 pg/g Split: 1 Checkcode: 334-294-RCM
 Datafile: 121019P1-04 Report: 21 Oct 2012 10:21 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37Cl)

W#	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
120329	JS 1234-TCDD	26.79		-	-	-	2.71E+07	0.80	Y	-	-
120329	JS 123789-HxCDD	38.96		-	-	-	1.80E+07	1.25	Y	-	-
	CS 37Cl-2378-TCDD	27.56		1.0291	1.0286	-0.8	6.83E+06	n/a	-	1.17	107

	SS 37Cl-2378-TCDD	27.56		1.0291	1.0286	-0.8	6.83E+06	n/a	-	1.12	119
--	-------------------	-------	--	--------	--------	------	----------	-----	---	------	-----

Totals	Conc	EMPC	EDL
Total TCDD	0	0	0.0792
Total PeCDD	0	0	0.102
Total HxCDD	0	0	0.166
Total HpCDD	0	0.203	0.198
Total Tetra-Octa Dioxins	1.35	1.55	
Total TCDF	0	0	0.0454
Total PeCDF	0	0	0.0796
Total HxCDF	0	0	0.103
Total HpCDF	0	0	0.116
Total Tetra-Octa Furans	0	0	
Total Tetra-Octa Dioxins & Furans	1.35	1.55	

Lab ID: MB1_10216_DF_SDS Acq'd: 19 Oct 2012 17:14 MDC Wt/Vol: 10.00 g ICAL: 1613_SGS
 Client ID: MB1_10216_DF_SDS UTP: 21-Oct-2012 10:21 MDC J-level: 0.5 pg/g Split: 1 Checkcode: 334-294-RCM
 Datafile: 121019P1-04 Report: 21 Oct 2012 10:21 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

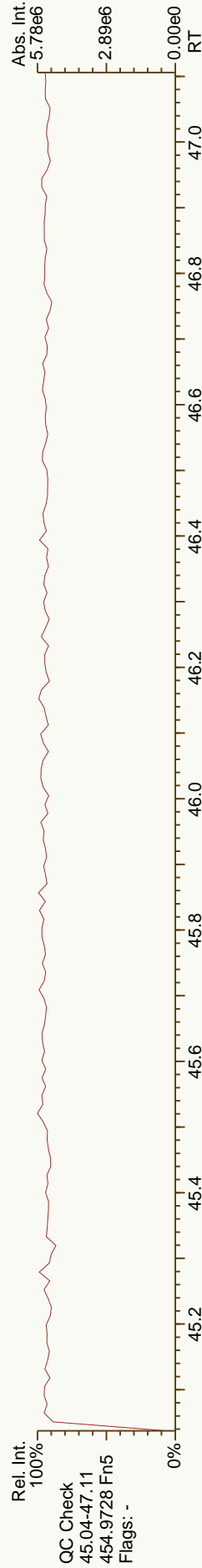
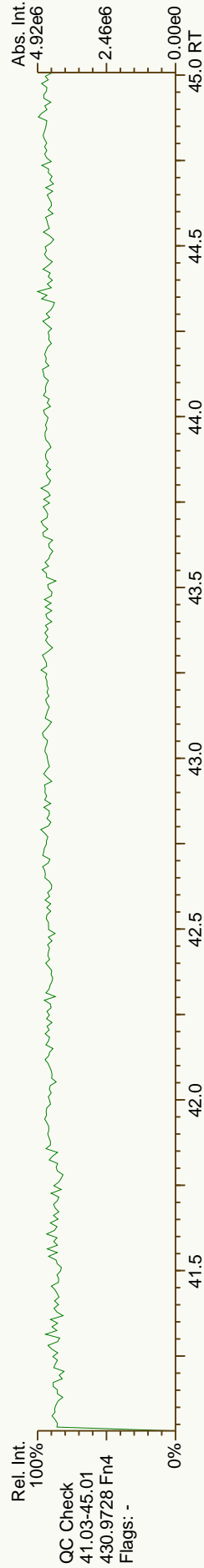
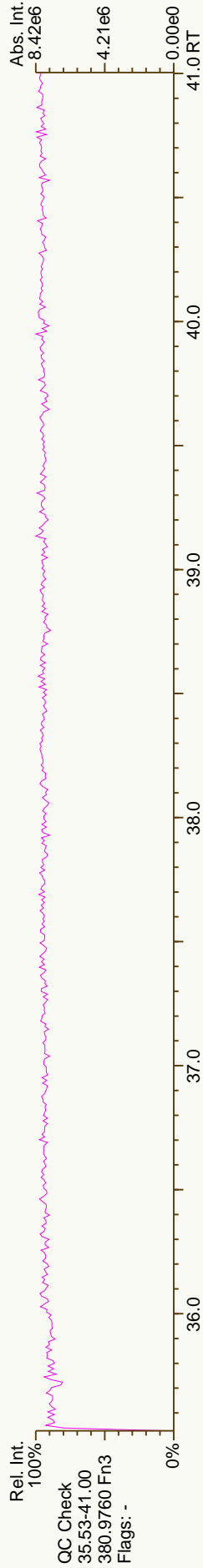
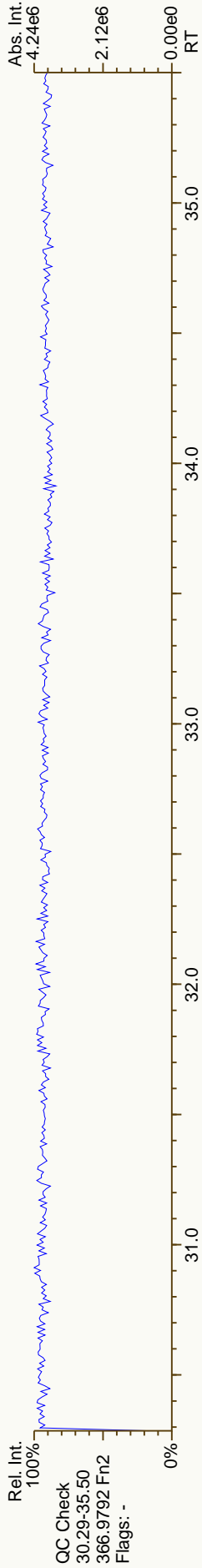
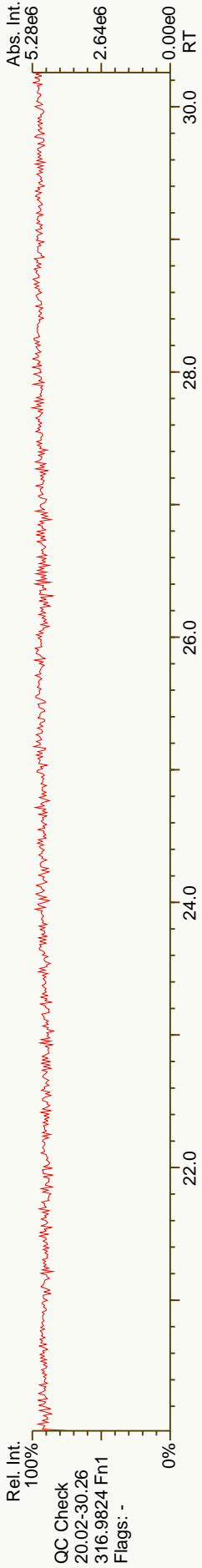
Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	TCDD	NotFnd		0.8504				1.08		1.08		880	0.0792
2	TCDD	NotFnd		0.8649				1.08		1.08		880	0.0792
3	TCDD	NotFnd		0.8835				1.08		1.08		880	0.0792
4	TCDD	NotFnd		0.9152				1.08		1.08		880	0.0792
	TCDD	NotFnd		0.9241				1.08		1.08		880	0.0792
	TCDD	NotFnd		0.9327				1.08		1.08		880	0.0792
	TCDD	NotFnd		0.9408				1.08		1.08		880	0.0792
	TCDD	NotFnd		0.9512				1.08		1.08		880	0.0792
	TCDD	NotFnd		0.9580				1.08		1.08		880	0.0792
	TCDD	NotFnd		0.9736				1.08		1.08		880	0.0792
	TCDD	NotFnd		0.9785				1.08		1.08		880	0.0792
	TCDD	NotFnd		0.9884				1.08		1.08		880	0.0792
	TCDD	NotFnd		0.9945				1.08		1.08		880	0.0792
	2378-TCDD	NotFnd		1.0009				1.08		1.08		880	0.0792
	TCDD	NotFnd		1.0147				1.08		1.08		880	0.0792
	TCDD	NotFnd		1.0206				1.08		1.08		880	0.0792
	TCDD	NotFnd		1.0423				1.08		1.08		880	0.0792
	TCDD	NotFnd		0.9131				1.07		1.07		923	0.102
	TCDD	NotFnd		0.9319				1.07		1.07		923	0.102
	TCDD	NotFnd		0.9511				1.07		1.07		923	0.102
	TCDD	NotFnd		0.9576				1.07		1.07		923	0.102
	TCDD	NotFnd		0.9611				1.07		1.07		923	0.102
	TCDD	NotFnd		0.9703				1.07		1.07		923	0.102
	TCDD	NotFnd		0.9829				1.07		1.07		923	0.102
	12378-PeCDD	NotFnd		1.0006				1.07		1.07		923	0.102
	PeCDD	NotFnd		1.0039				1.07		1.07		923	0.102
	PeCDD	NotFnd		1.0161				1.07		1.07		923	0.102
	HxCDD	NotFnd		0.9479				1.01		1.01		1208	0.166
	HxCDD	NotFnd		0.9682				1.01		1.01		1208	0.166
	HxCDD	NotFnd		0.9771				1.01		1.01		1208	0.166
	HxCDD	NotFnd		0.9811				1.01		1.01		1208	0.166
	123478-HxCDD	NotFnd		1.0004				1.05		1.05		1208	0.159
	123678-HxCDD	NotFnd		1.0039				0.98		0.98		1208	0.173
	HxCDD	NotFnd		1.0097				1.01		1.01		1208	0.166
	123789-HxCDD	NotFnd		1.0129				1.01		1.01		1208	0.166

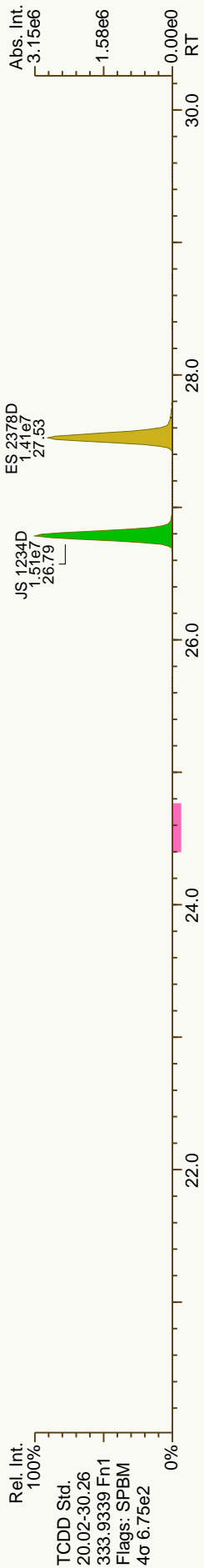
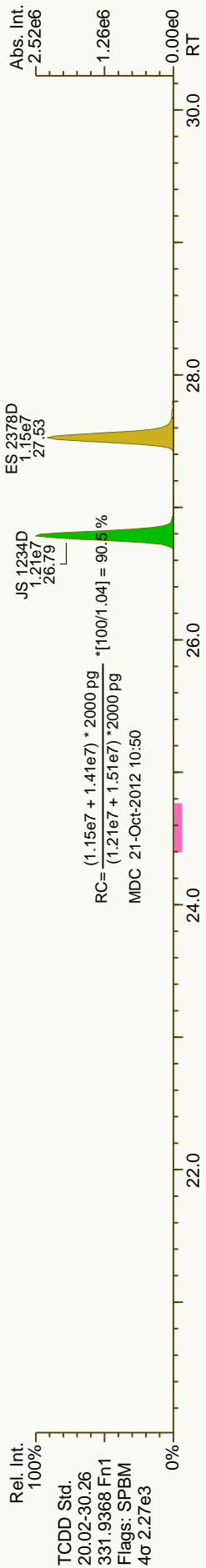
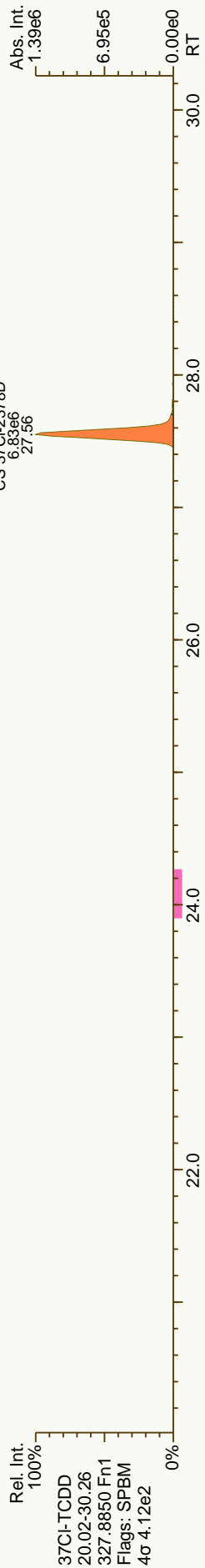
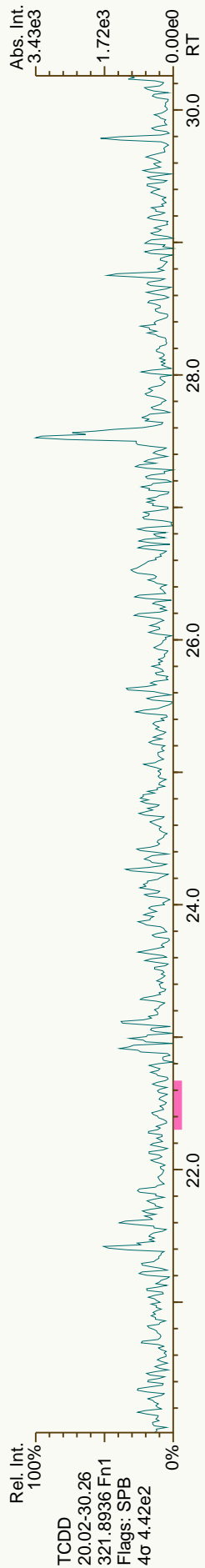
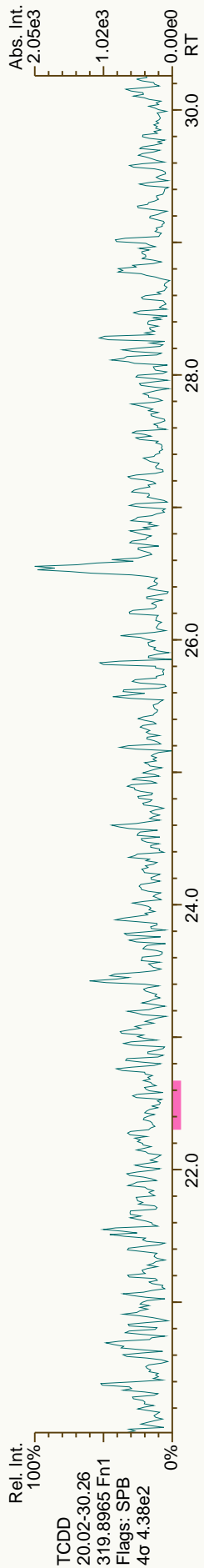
Lab ID: MB1_10216_DF_SDS Acq'd: 19 Oct 2012 17:14 MDC Wt/Vol: 10.00 g ICAL: 1613_SGS
 Client ID: MB1_10216_DF_SDS UTP: 21-Oct-2012 10:21 MDC J-level: 0.5 pg/g Split: 1 Checkcode: 334-294-RCM
 Datafile: 121019P1-04 Report: 21 Oct 2012 10:21 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

W#	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	HpCDD	41.76		0.9793	0.9794	+0.3	1.43E+04	1.24	N	1.09	0.203	1249	0.198
2	234678-HpCDD	NotFnd		1.0005						1.09		1249	0.198
3	OCDD	46.40		1.0005	1.0002	-0.8	6.47E+04	0.99	Y	1.11	1.35	1066	0.272
4	OCDD-a	NotFnd		1.0001						1.00		770	0.217
5	TCDF	NotFnd		0.7983						0.98		733	0.0454
6	TCDF	NotFnd		0.8218						0.98		733	0.0454
7	TCDF	NotFnd		0.8463						0.98		733	0.0454
8	TCDF	NotFnd		0.8625						0.98		733	0.0454
9	TCDF	NotFnd		0.8677						0.98		733	0.0454
10	TCDF	NotFnd		0.8787						0.98		733	0.0454
11	TCDF	NotFnd		0.8840						0.98		733	0.0454
12	TCDF	NotFnd		0.8998						0.98		733	0.0454
13	TCDF	NotFnd		0.9054						0.98		733	0.0454
14	TCDF	NotFnd		0.9125						0.98		733	0.0454
15	TCDF	NotFnd		0.9279						0.98		733	0.0454
16	TCDF	NotFnd		0.9334						0.98		733	0.0454
17	TCDF	NotFnd		0.9381						0.98		733	0.0454
18	TCDF	NotFnd		0.9439						0.98		733	0.0454
19	TCDF	NotFnd		0.9630						0.98		733	0.0454
20	TCDF	NotFnd		0.9674						0.98		733	0.0454
21	TCDF	NotFnd		0.9746						0.98		733	0.0454
22	TCDF	NotFnd		0.9829						0.98		733	0.0454
23	TCDF	NotFnd		0.9916						0.98		733	0.0454
24	TCDF	NotFnd		0.9963						0.98		733	0.0454
25	2378-TCDF	NotFnd		1.0009						0.98		733	0.0454
26	TCDF	NotFnd		1.0166						0.98		733	0.0454
27	TCDF	NotFnd		1.0274						0.98		733	0.0454
28	TCDF	NotFnd		1.0390						0.98		733	0.0454
29	TCDF	NotFnd		1.0886						0.98		733	0.0454
30	PeCDF	NotFnd		0.8975						1.00		1338	0.0924
31	PeCDF	NotFnd		0.9542						1.00		1153	0.0796
32	PeCDF	NotFnd		0.9587						1.00		1153	0.0796
33	PeCDF	NotFnd		0.9636						1.00		1153	0.0796
34	PeCDF	NotFnd		0.9671						1.00		1153	0.0796
35	PeCDF	NotFnd		0.9760						1.00		1153	0.0796
36	PeCDF	NotFnd		0.9810						1.00		1153	0.0796

Lab ID: MB1_10216_DF_SDS Acq'd: 19 Oct 2012 17:14 MDC Wt/Vol: 10.00 g ICAL: 1613_SGS
 Client ID: MB1_10216_DF_SDS UTP: 21-Oct-2012 10:21 MDC J-level: 0.5 pg/g Split: 1 Checkcode: 334-294-RCM
 Datafile: 121019P1-04 Report: 21 Oct 2012 10:21 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

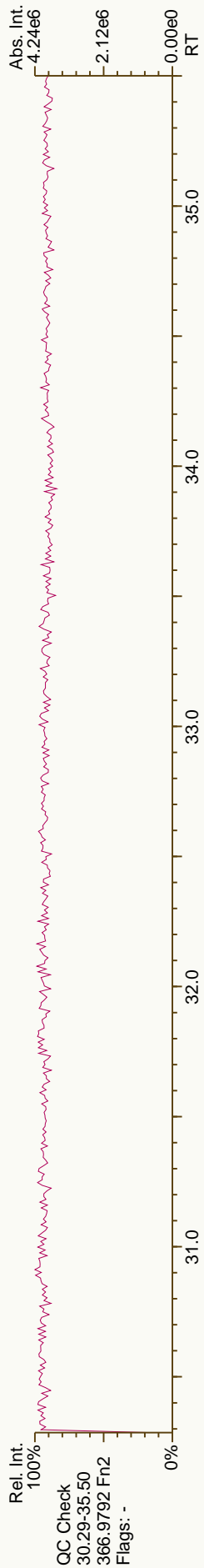
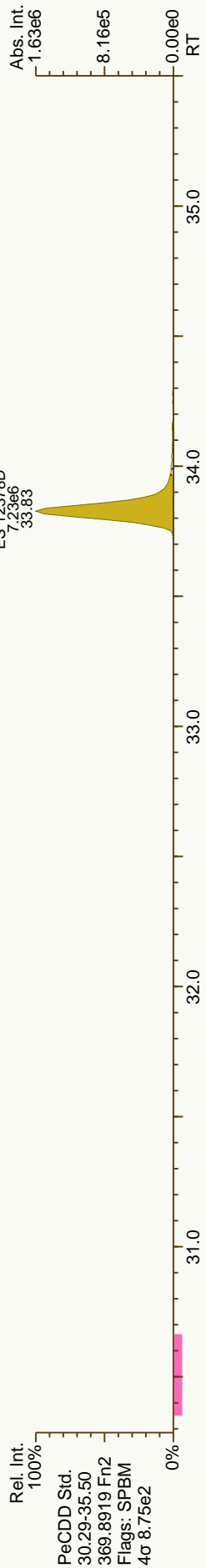
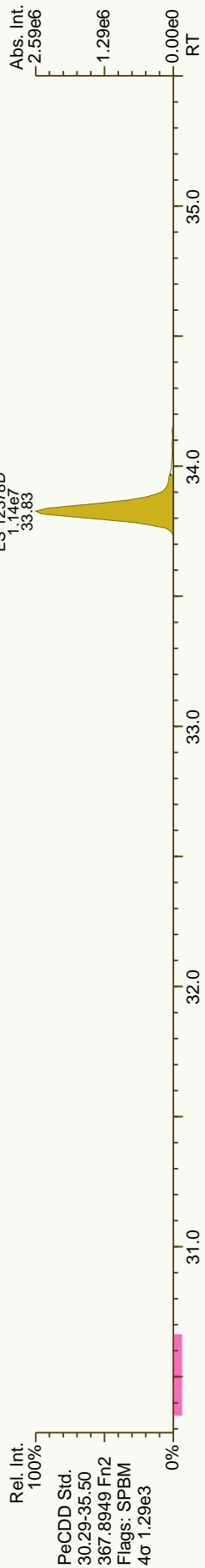
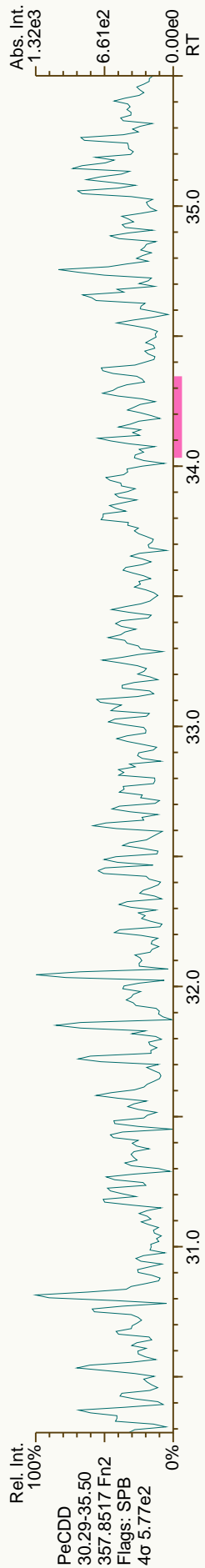
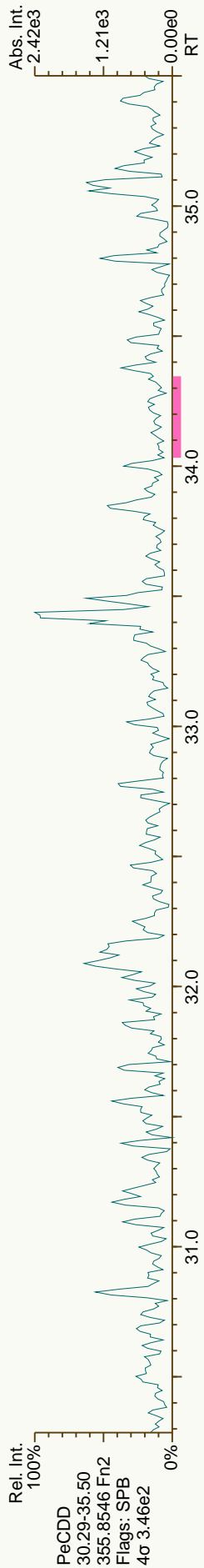
Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	PeCDF	NotFnd		0.9847				1.00		1.00		1153	0.0796
2	PeCDF	NotFnd		0.9870				1.00		1.00		1153	0.0796
3	PeCDF	NotFnd		0.9930				1.00		1.00		1153	0.0796
4	12378-PeCDF	NotFnd		1.0007				0.99		0.99		1153	0.079
5	PeCDF	NotFnd		1.0113				1.00		1.00		1153	0.0796
6	PeCDF	NotFnd		1.0169				1.00		1.00		1153	0.0796
7	PeCDF	NotFnd		0.9917				1.00		1.00		1153	0.0796
8	PeCDF	NotFnd		0.9962				1.00		1.00		1153	0.0796
9	23478-PeCDF	NotFnd		1.0006				1.02		1.02		1153	0.0802
10	PeCDF	NotFnd		0.0000				1.02		1.02	0	0	0
11	PeCDF	NotFnd		1.0023				1.00		1.00		1153	0.0796
12	PeCDF	NotFnd		1.0120				1.00		1.00		1153	0.0796
13	PeCDF	NotFnd		1.0389				1.00		1.00		1153	0.0796
14	HxCDF	NotFnd		0.9565				1.15		1.15		1179	0.103
15	HxCDF	NotFnd		0.9627				1.15		1.15		1179	0.103
16	HxCDF	NotFnd		0.9700				1.15		1.15		1179	0.103
17	HxCDF	NotFnd		0.9762				1.15		1.15		1179	0.103
18	HxCDF	NotFnd		0.9833				1.15		1.15		1179	0.103
19	HxCDF	NotFnd		0.9968				1.15		1.15		1179	0.103
20	123478-HxCDF	NotFnd		1.0006				1.19		1.19		1179	0.0973
21	123678-HxCDF	NotFnd		1.0005				1.16		1.16		1179	0.089
22	HxCDF	NotFnd		1.0055				1.15		1.15		1179	0.103
23	HxCDF	NotFnd		1.0102				1.15		1.15		1179	0.103
24	HxCDF	NotFnd		0.9933				1.15		1.15		1179	0.103
25	234678-HxCDF	NotFnd		1.0006				1.18		1.18		1179	0.0969
26	HxCDF	NotFnd		0.0000				1.18		1.18	0	0	0
27	HxCDF	NotFnd		1.0009				1.15		1.15		1179	0.103
28	123789-HxCDF	NotFnd		1.0005				1.09		1.09		1179	0.141
29	HxCDF	NotFnd		0.0000				1.09		1.09	0	0	0
30	123489-HxCDF	NotFnd		1.0013				1.15		1.15		1179	0.103
31	1234678-HpCDF	NotFnd		1.0004				1.35		1.35		1023	0.106
32	HpCDF	NotFnd		1.0091				1.34		1.34		1023	0.116
33	HpCDF	NotFnd		1.0140				1.34		1.34		1023	0.116
34	1234789-HpCDF	NotFnd		1.0004				1.34		1.34		1023	0.128
35	OCDF	NotFnd		1.0057				1.40		1.40		797	0.161
36	OCDF-a	NotFnd		1.0053				1.00		1.00		1002	0.283

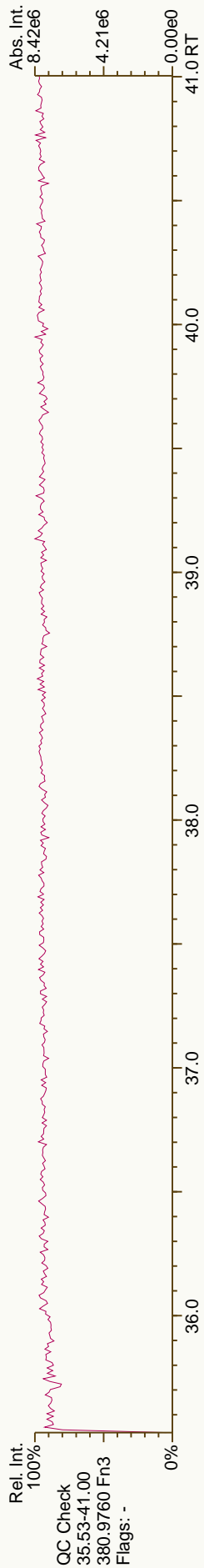
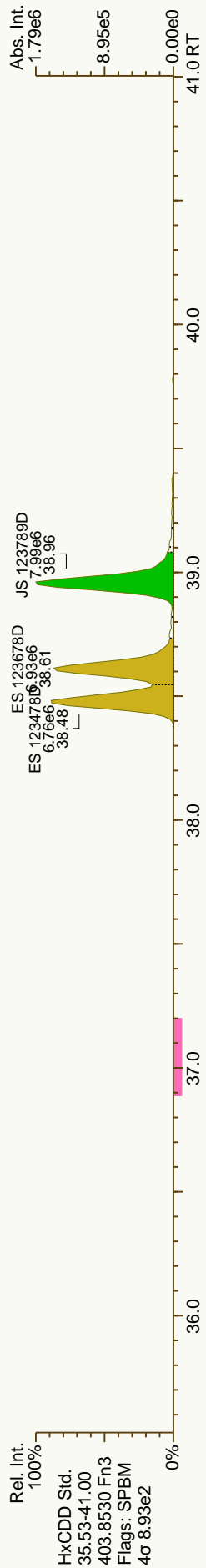
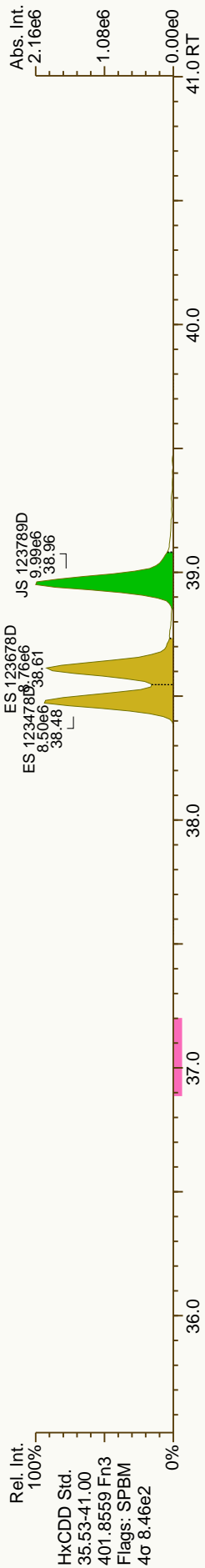
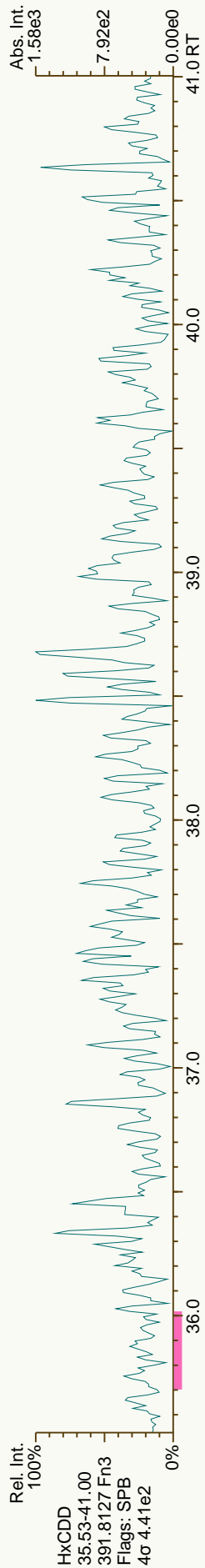
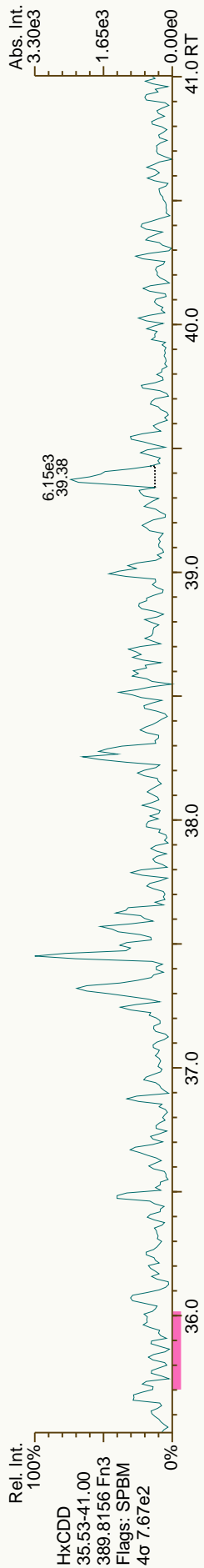


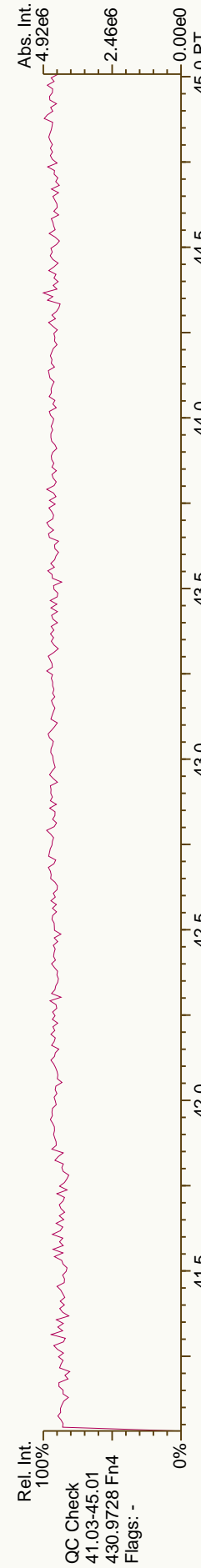
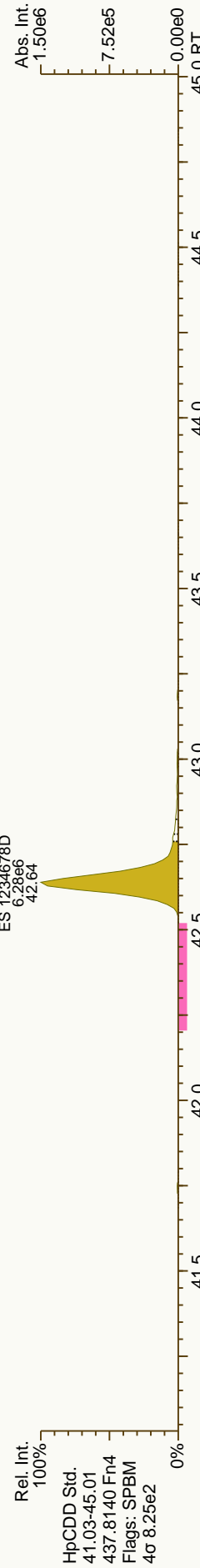
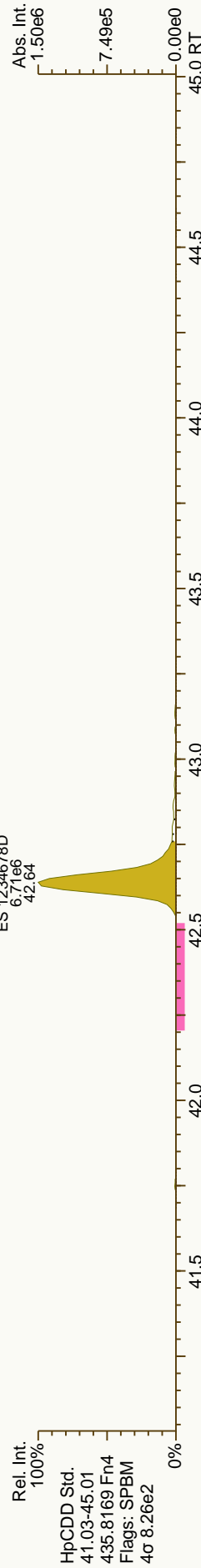
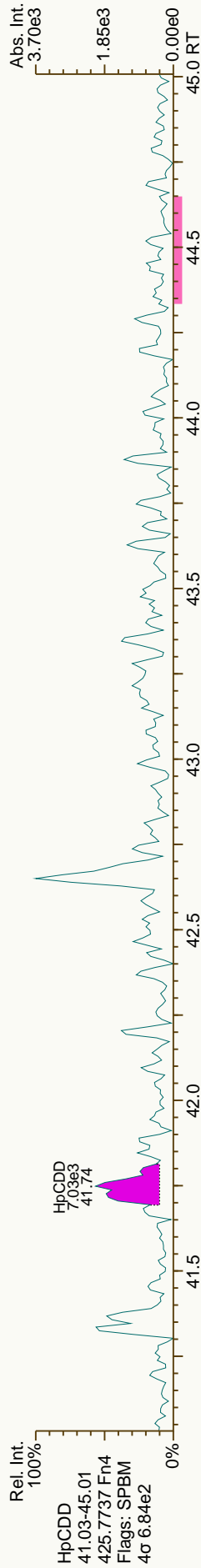


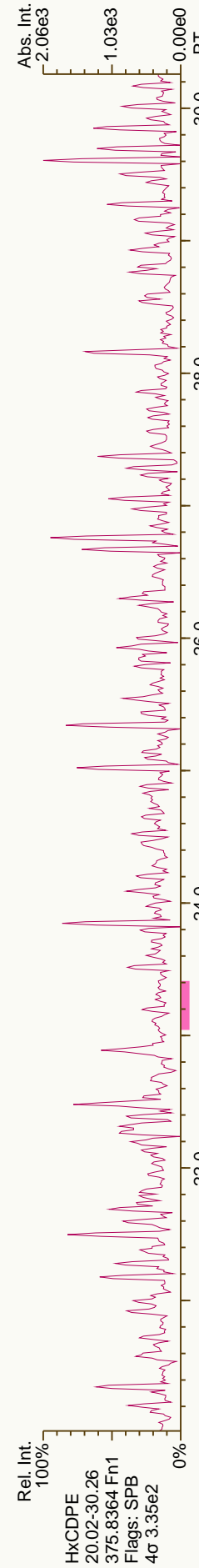
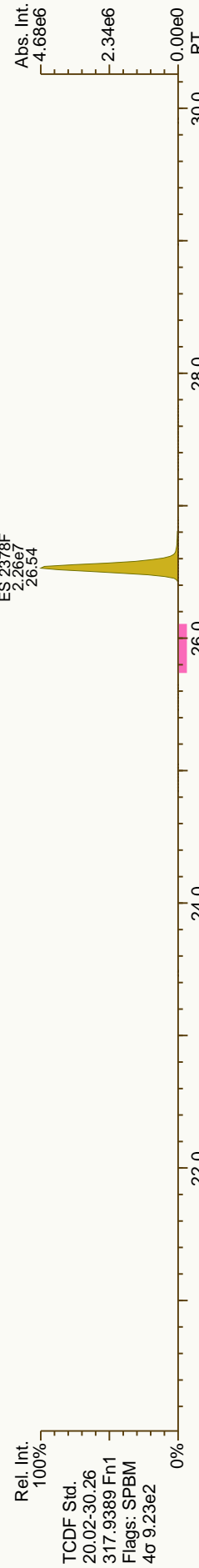
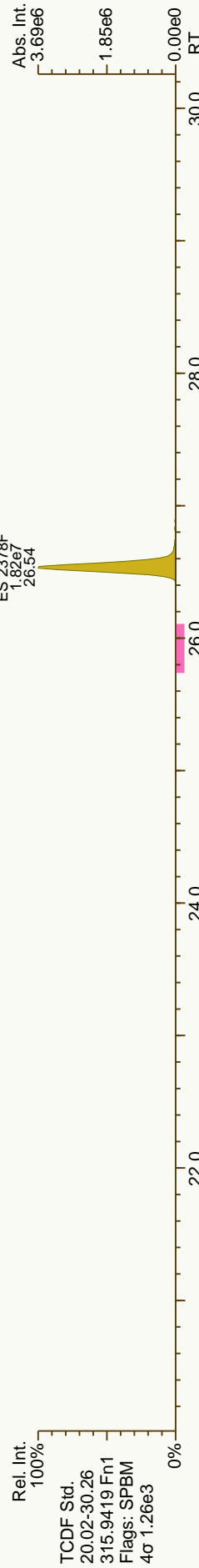
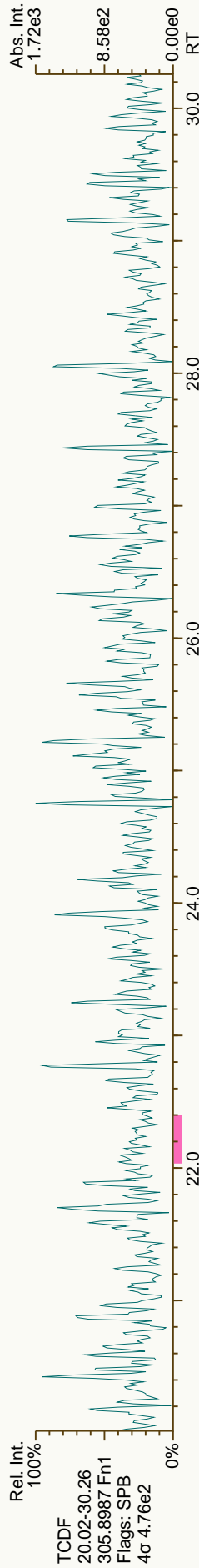
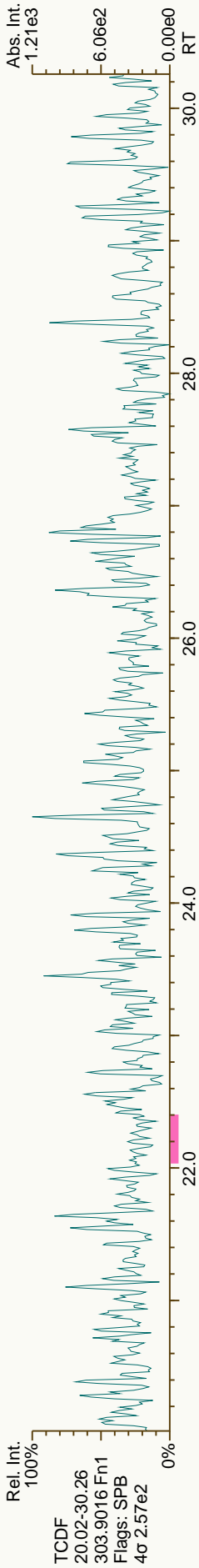
$$RC = \frac{(1.15e7 + 1.41e7) * 2000 \text{ pg}}{(1.21e7 + 1.51e7) * 2000 \text{ pg}} * [100/1.04] = 90.5\%$$

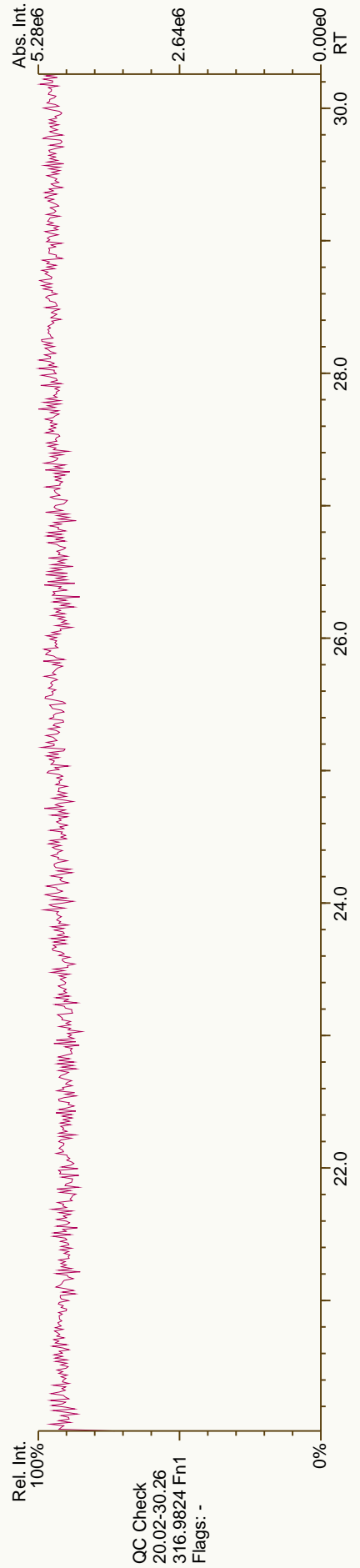
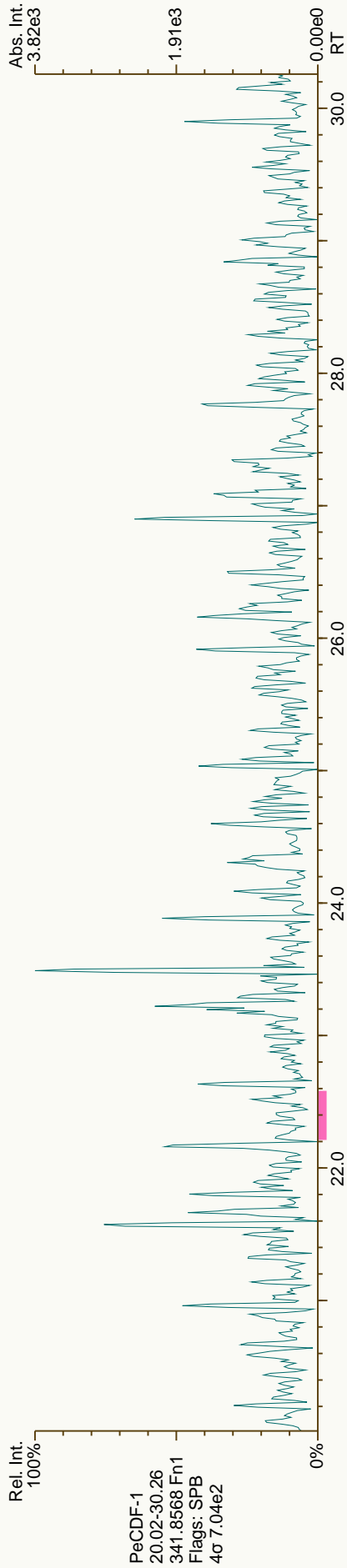
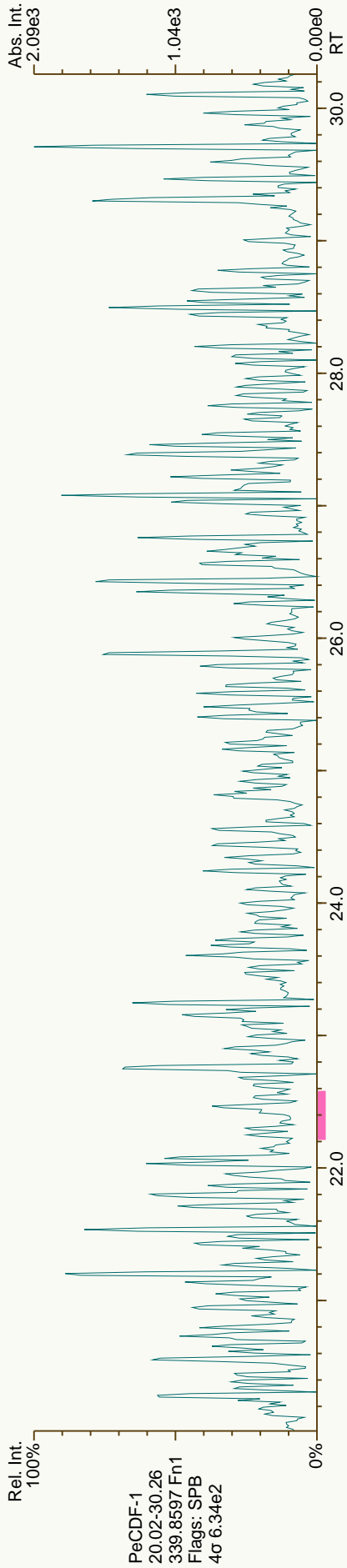
MDC 21-Oct-2012 10:50

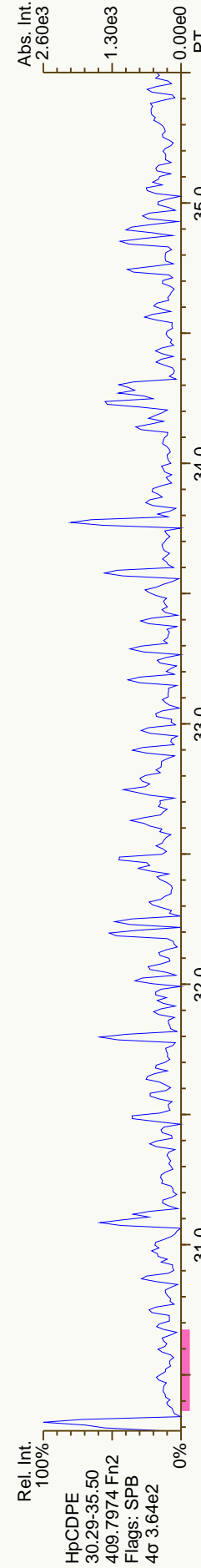
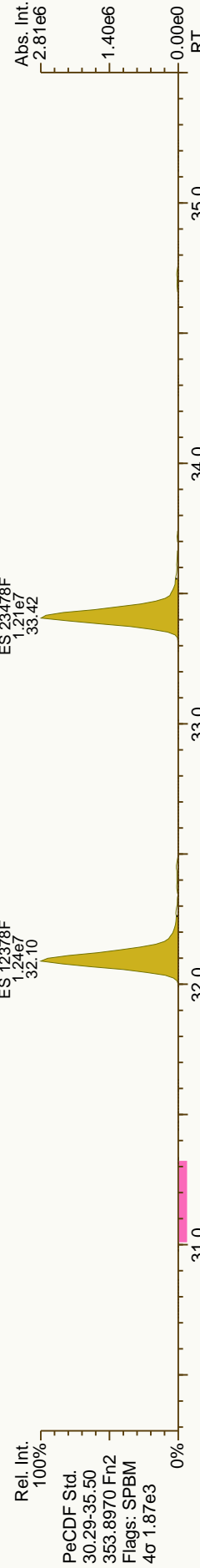
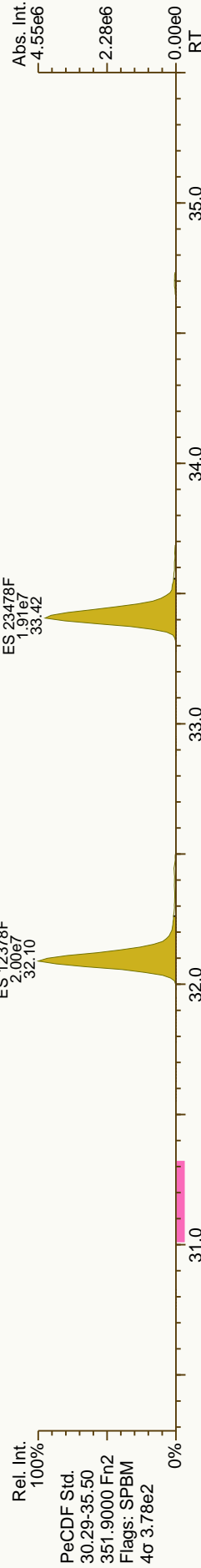
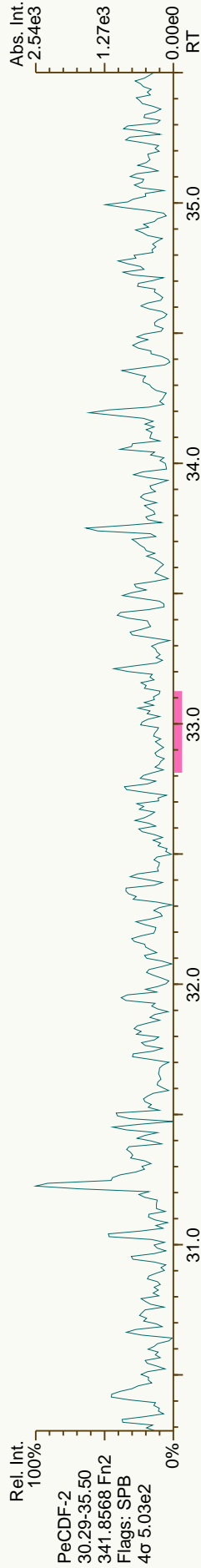
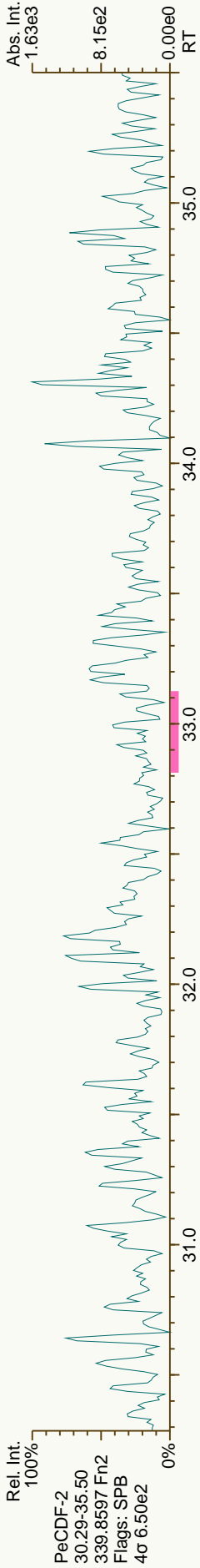


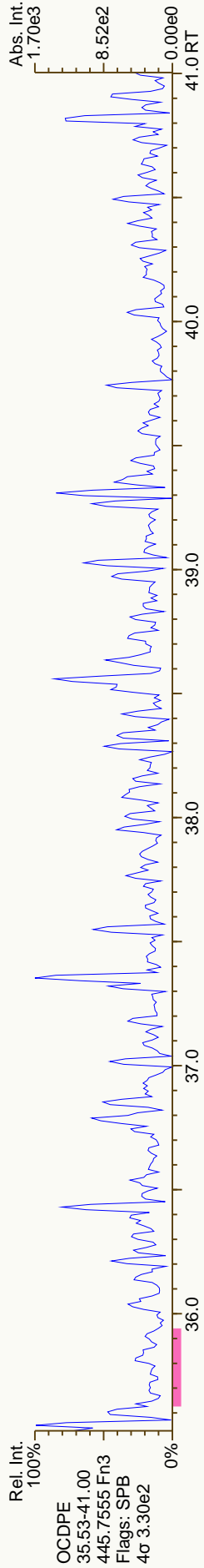
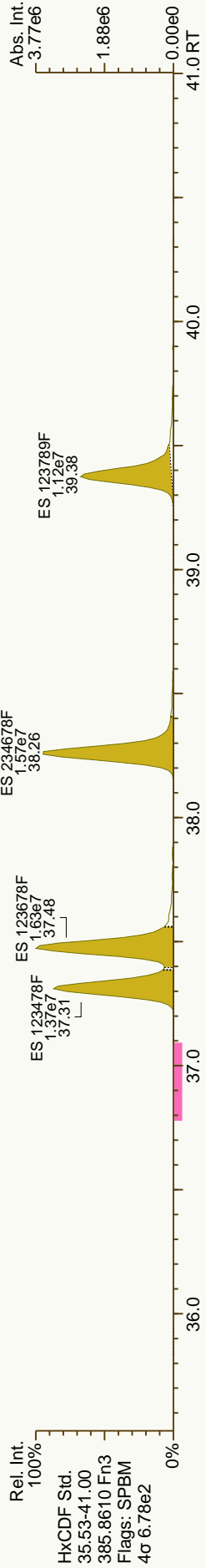
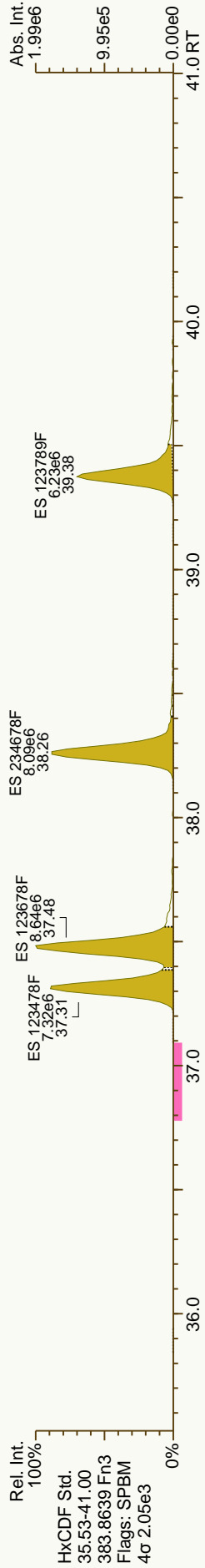
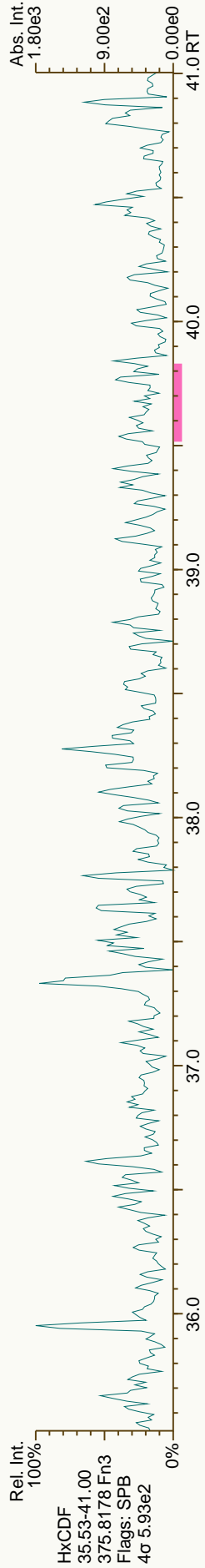
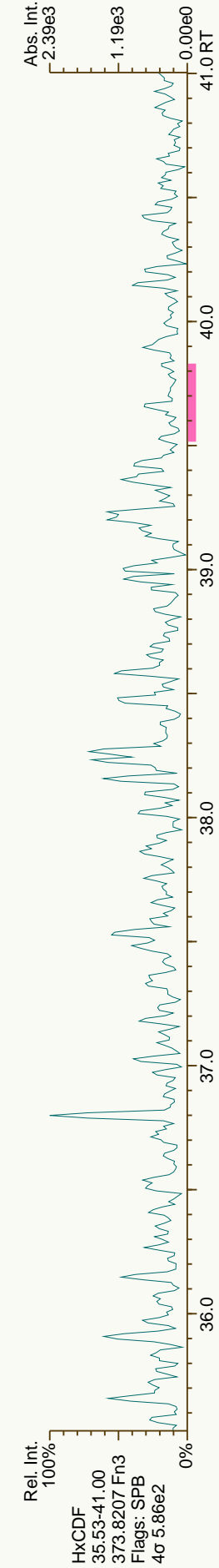


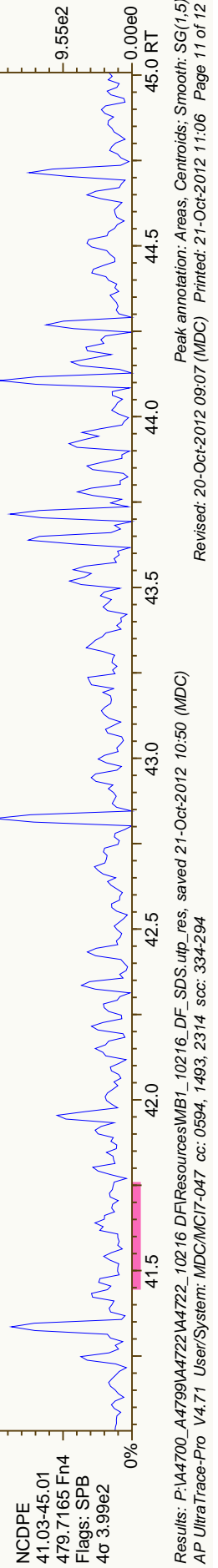
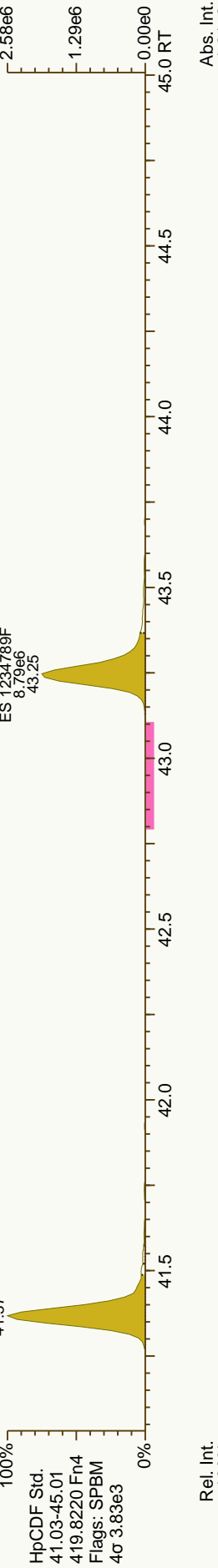
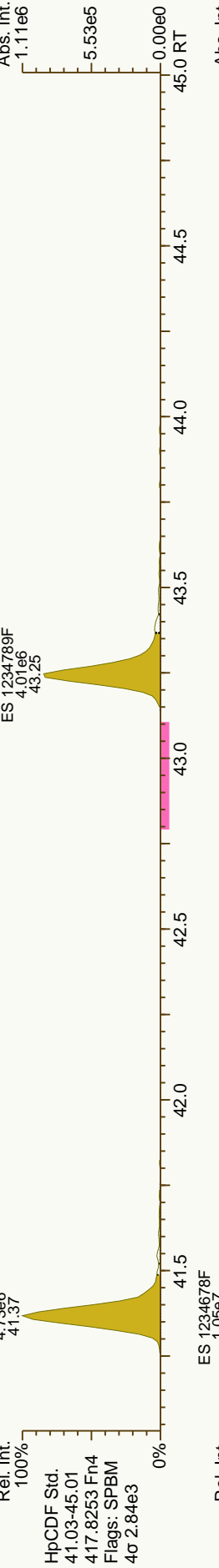
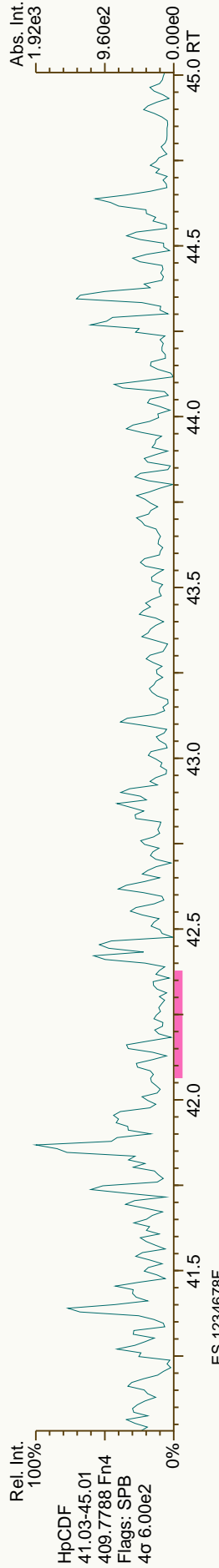
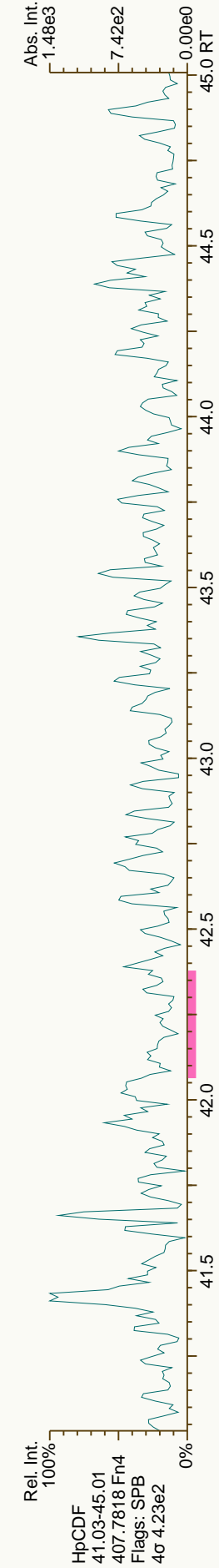


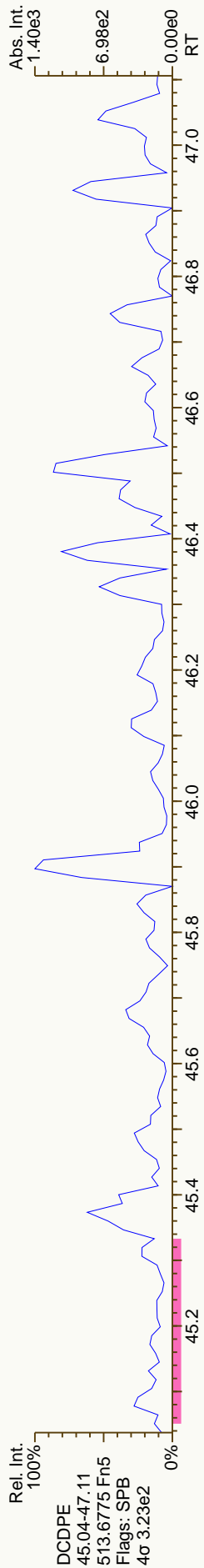
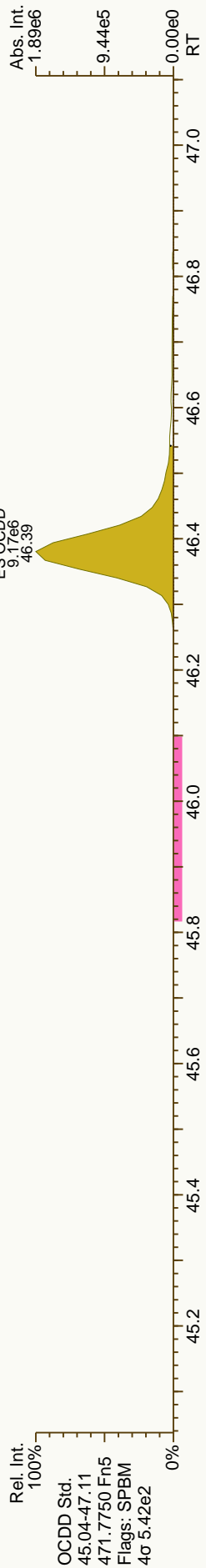
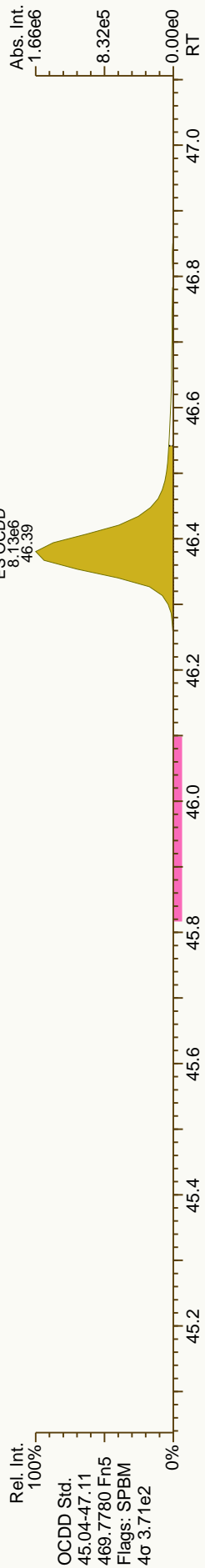
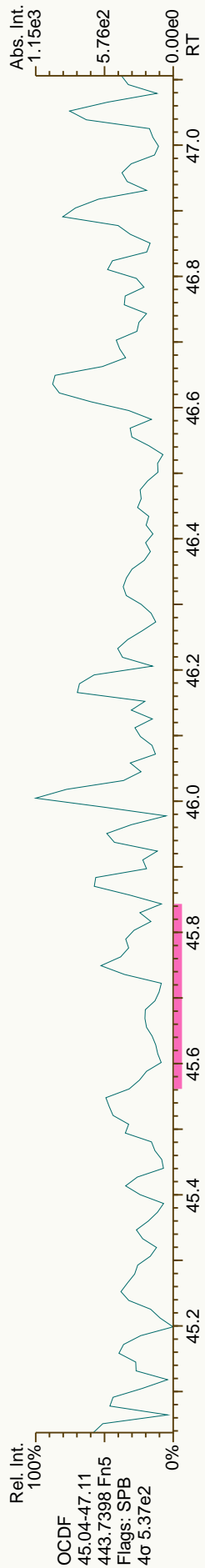
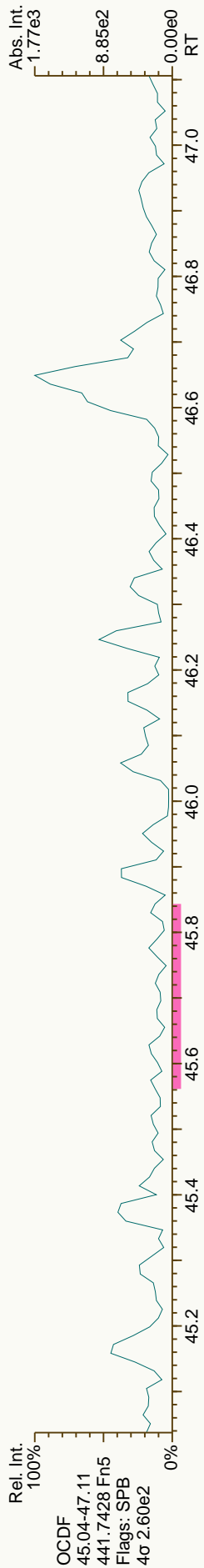












Blank Spike Summary

Blank Spike ID: OPR for HBN 30584 [HXX/1802]
 Blank Spike Lab ID: 95223
 Date Analyzed: 10/19/2012 15:32

Matrix: Soil-Solid as dry weight

QC for Samples: 31203249001, 31203249002, 31203249003, 31203249004, 31203249005, 31203249006,
 31203249008, 31203249009, 31203249010, 31203249011, 31203249012

Results by EPA 1613B

Blank Spike (pg/g)

Parameter	Spike	Result	Rec (%)	CL
2,3,7,8-TCDD	20.0	21.6	108	67.0-158
1,2,3,7,8-PeCDD	100	99.7	100	70.0-142
1,2,3,4,7,8-HxCDD	100	111	111	70.0-164
1,2,3,6,7,8-HxCDD	100	117	117	76.0-134
1,2,3,7,8,9-HxCDD	100	117	117	64.0-162
1,2,3,4,6,7,8-HpCDD	100	104	104	70.0-140
OCDD	200	220	110	78.0-144
2,3,7,8-TCDF	20.0	22.2	111	75.0-158
1,2,3,7,8-PeCDF	100	115	115	80.0-134
2,3,4,7,8-PeCDF	100	106	106	68.0-160
1,2,3,4,7,8-HxCDF	100	116	116	72.0-134
1,2,3,6,7,8-HxCDF	100	110	110	84.0-130
2,3,4,6,7,8-HxCDF	100	105	105	70.0-156
1,2,3,7,8,9-HxCDF	100	118	118	78.0-130
1,2,3,4,6,7,8-HpCDF	100	108	108	82.0-122
1,2,3,4,7,8,9-HpCDF	100	105	105	78.0-138
OCDF	200	233	117	63.0-170

Labeled Standards

13C-2378-TCDD	104	25.0-164
13C-12378-PeCDD	87	25.0-181
13C-123478-HxCDD	90	32.0-141
13C-123678-HxCDD	88	28.0-130
13C-1234678-HpCDD	96	23.0-140
13C-OCDD	82	17.0-157
13C-2378-TCDF	97	24.0-169
13C-12378-PeCDF	80	24.0-185
13C-23478-PeCDF	86	21.0-178
13C-123478-HxCDF	94	26.0-152
13C-123678-HxCDF	101	26.0-123
13C-234678-HxCDF	103	29.0-147
13C-123789-HxCDF	90	28.0-136
13C-1234678-HpCDF	87	28.0-143
13C-1234789-HpCDF	94	26.0-138
37Cl-2378-TCDD	117	35.0-197

Blank Spike Summary

Blank Spike ID: OPR for HBN 30584 [HXX/1802]
 Blank Spike Lab ID: 95223
 Date Analyzed: 10/19/2012 15:32

Matrix: Soil-Solid as dry weight

QC for Samples: 31203249001, 31203249002, 31203249003, 31203249004, 31203249005, 31203249006,
 31203249008, 31203249009, 31203249010, 31203249011, 31203249012

Results by EPA 1613B

Blank Spike (%)

<u>Parameter</u>	<u>Spike</u>	<u>Result</u>	<u>Rec (%)</u>	<u>CL</u>
------------------	--------------	---------------	----------------	-----------

Batch Information

Analytical Batch: **HRD1902**
 Analytical Method: **EPA 1613B**
 Instrument: **APHRMS**
 Analyst: **MDC**

Prep Batch: **HXX1802**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/10/2012 09:35**
 Spike Init Wt./Vol.: **10 g** Extract Vol: **20 uL**

Lab ID: OPR1_10216_DF
 Client ID: 0_10216_OPR001
 Datafile: 121019P1-02



Acq'd: 19 Oct 2012 15:32 MDC
 UTP: 20-Oct-2012 12:47 MDC
 Report: 21 Oct 2012 10:20 MC

Wt/Vol: 10.00 g
 J-level: 0.5 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)
 ICAL: 1613_SGS
 Checkcode: 179-693-HMX

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.56		1.0009	1.0010	+0.2	3.23E+06	0.79	Y	1.08	21.6	1111	0.0894
2378-PeCDD	33.85		1.0006	1.0007	+0.2	1.02E+07	1.59	Y	1.07	99.7	1025	0.108
23478-HxCDD	38.50		1.0004	1.0005	+0.2	8.41E+06	1.27	Y	1.05	111	1007	0.133
123678-HxCDD	38.63		1.0039	1.0040	+0.2	9.17E+06	1.27	Y	0.98	117	1007	0.142
123789-HxCDD	38.98		1.0129	1.0131	+0.5	9.02E+06	1.31	Y	1.01	117	1007	0.138
1234678-HpCDD	42.65		1.0005	1.0004	-0.3	7.38E+06	1.03	Y	1.09	104	1586	0.243
OCDD	46.41		1.0005	1.0005	0	1.07E+07	0.91	Y	1.11	220	1686	0.422
2378-TCDF	26.56		1.0009	1.0009	0	4.63E+06	0.78	Y	0.98	22.2	976	0.0599
12378-PeCDF	32.12		1.0007	1.0007	0	1.71E+07	1.48	Y	0.99	115	2036	0.147
23478-PeCDF	33.44		1.0006	1.0006	0	1.76E+07	1.53	Y	1.02	106	2036	0.135
123478-HxCDF	37.33		1.0006	1.0005	-0.2	1.40E+07	1.24	Y	1.19	116	1594	0.131
123678-HxCDF	37.50		1.0005	1.0005	0	1.54E+07	1.26	Y	1.16	110	1594	0.121
234678-HxCDF	38.28		1.0006	1.0005	-0.2	1.46E+07	1.25	Y	1.18	105	1594	0.124
123789-HxCDF	39.40		1.0005	1.0005	0	1.19E+07	1.27	Y	1.09	118	1594	0.19
1234678-HpCDF	41.38		1.0004	1.0004	0	1.15E+07	1.05	Y	1.35	108	2624	0.241
1234789-HpCDF	43.26		1.0004	1.0004	0	9.24E+06	1.06	Y	1.34	105	2624	0.327
OCDF	46.65		1.0057	1.0057	0	1.43E+07	0.93	Y	1.40	233	881	0.175
ES 2378-TCDD	27.53		1.0281	1.0278	-0.5	2.76E+07	0.79	Y	1.04	104		
ES 12378-PeCDD	33.83		1.2639	1.2629	-1.6	1.91E+07	1.62	Y	0.87	86.7		
ES 123478-HxCDD	38.48		0.9876	0.9876	0	1.45E+07	1.23	Y	0.94	90.3		
ES 123678-HxCDD	38.61		0.9910	0.9911	+0.2	1.59E+07	1.28	Y	1.06	87.9		
ES 1234678-HpCDD	42.64		1.0943	1.0944	+0.2	1.31E+07	1.07	Y	0.80	95.9		
ES OCDD	46.39		1.1907	1.1906	-0.2	1.76E+07	0.91	Y	0.63	81.7		
ES 2378-TCDF	26.54		0.9907	0.9906	-0.2	4.26E+07	0.81	Y	1.74	96.6		
ES 12378-PeCDF	32.10		1.1992	1.1982	-1.6	3.02E+07	1.56	Y	1.49	79.6		
ES 23478-PeCDF	33.42		1.2484	1.2475	-1.4	3.26E+07	1.56	Y	1.48	86.5		
ES 123478-HxCDF	37.31		0.9577	0.9577	0	2.04E+07	0.52	Y	1.27	93.9		
ES 123678-HxCDF	37.48		0.9619	0.9619	0	2.43E+07	0.53	Y	1.41	101		
ES 234678-HpCDF	38.26		0.9821	0.9822	+0.2	2.37E+07	0.52	Y	1.34	103		
ES 123789-HxCDF	39.38		1.0108	1.0109	+0.2	1.85E+07	0.53	Y	1.20	90.2		
ES 1234678-HpCDF	41.37		1.0618	1.0618	0	1.58E+07	0.44	Y	1.06	87.4		
ES 1234789-HpCDF	43.25		1.1100	1.1100	0	1.31E+07	0.44	Y	0.82	93.8		

Lab ID: OPR1_10216_DF Acq'd: 19 Oct 2012 15:32 MDC Wt/Vol: 10.00 g ICAL: 1613_SGS
 Client ID: 0_10216_OPR001 UTP: 20-Oct-2012 12:47 MDC J-level: 0.5 pg/g Split: 1 Checkcode: 179-693-HMX
 Datafile: 121019P1-02 Report: 21 Oct 2012 10:20 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37Cl)

WV#	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
120329	JS 1234-TCDD	26.79		-	-	-	2.54E+07	0.81	Y	-	-
120329	JS 123789-HxCDD	38.96		-	-	-	1.71E+07	1.26	Y	-	-
	CS 37Cl-2378-TCDD	27.56		1.0291	1.0287	-0.6	6.96E+06	n/a	-	1.17	117

	SS 37Cl-2378-TCDD	27.56		1.0291	1.0287	-0.6	6.96E+06	n/a	-	1.12	112
--	-------------------	-------	--	--------	--------	------	----------	-----	---	------	-----

Totals	Conc	EMPC	EDL
Total TCDD	21.6	21.6	0.0894
Total PeCDD	99.7	99.7	0.108
Total HxCDD	345	345	0.137
Total HpCDD	104	104	0.243
Total Tetra-Octa Dioxins	791	791	
Total TCDF	22.2	22.4	0.0599
Total PeCDF	221	222	0.141
Total HxCDF	448	449	0.138
Total HpCDF	213	213	0.28
Total Tetra-Octa Furans	1140	1140	
Total Tetra-Octa Dioxins & Furans	1930	1930	

Lab ID: OPR1_10216_DF Acq'd: 19 Oct 2012 15:32 MDC Wt/Vol: 10.00 g ICAL: 1613_SGS
 Client ID: 0_10216_OPR001 UTP: 20-Oct-2012 12:47 MDC J-level: 0.5 pg/g Split: 1 Checkcode: 179-693-HMX
 Datafile: 121019P1-02 Report: 21 Oct 2012 10:20 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	TCDD	NotFnd		0.8504						1.08		1111	0.0894
2	TCDD	NotFnd		0.8649						1.08		1111	0.0894
3	TCDD	NotFnd		0.8835						1.08		1111	0.0894
4	TCDD	NotFnd		0.9152						1.08		1111	0.0894
	TCDD	NotFnd		0.9241						1.08		1111	0.0894
	TCDD	NotFnd		0.9327						1.08		1111	0.0894
	TCDD	NotFnd		0.9408						1.08		1111	0.0894
	TCDD	NotFnd		0.9512						1.08		1111	0.0894
	TCDD	NotFnd		0.9580						1.08		1111	0.0894
	TCDD	NotFnd		0.9736						1.08		1111	0.0894
	TCDD	NotFnd		0.9785						1.08		1111	0.0894
	TCDD	NotFnd		0.9884						1.08		1111	0.0894
	TCDD	NotFnd		0.9945						1.08		1111	0.0894
	2378-TCDD	27.56		1.0009	1.0010	+0.2	3.23E+06	0.79	Y	1.08	21.6	1111	0.0894
	TCDD	NotFnd		1.0147						1.08		1111	0.0894
	TCDD	NotFnd		1.0206						1.08		1111	0.0894
	TCDD	NotFnd		1.0423						1.08		1111	0.0894
	PeCDD	NotFnd		0.9131						1.07		1025	0.108
	PeCDD	NotFnd		0.9319						1.07		1025	0.108
	PeCDD	NotFnd		0.9511						1.07		1025	0.108
	PeCDD	NotFnd		0.9576						1.07		1025	0.108
	PeCDD	NotFnd		0.9611						1.07		1025	0.108
	PeCDD	NotFnd		0.9703						1.07		1025	0.108
	PeCDD	NotFnd		0.9829						1.07		1025	0.108
	12378-PeCDD	33.85		1.0006	1.0007	+0.2	1.02E+07	1.59	Y	1.07	99.7	1025	0.108
	PeCDD	NotFnd		1.0039						1.07		1025	0.108
	PeCDD	NotFnd		1.0161						1.07		1025	0.108
	HxCDD	NotFnd		0.9479						1.01		1007	0.137
	HxCDD	NotFnd		0.9682						1.01		1007	0.137
	HxCDD	NotFnd		0.9771						1.01		1007	0.137
	HxCDD	NotFnd		0.9811						1.01		1007	0.137
	123478-HxCDD	38.50		1.0004	1.0005	+0.2	8.41E+06	1.27	Y	1.05	111	1007	0.133
	123678-HxCDD	38.63		1.0039	1.0040	+0.2	9.17E+06	1.27	Y	0.98	117	1007	0.142
	HxCDD	NotFnd		1.0097						1.01		1007	0.137
	123789-HxCDD	38.98		1.0129	1.0131	+0.5	9.02E+06	1.31	Y	1.01	117	1007	0.138

Lab ID: OPR1_10216_DF Acq'd: 19 Oct 2012 15:32 MDC Wt/Vol: 10.00 g ICAL: 1613_SGS
 Client ID: 0_10216_OPR001 UTP: 20-Oct-2012 12:47 MDC J-level: 0.5 pg/g Split: 1 Checkcode: 179-693-HMX
 Datafile: 121019P1-02 Report: 21 Oct 2012 10:20 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

WV#	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	HP-CDD	41.75		0.9793	0.9791	-0.5	4.49E+04	1.31	N	1.09	0.631	1586	0.243
2	234678-HP-CDD	42.65		1.0005	1.0004	-0.3	7.38E+06	1.03	Y	1.09	104	1586	0.243
3	OCDD	46.41		1.0005	1.0005	0	1.07E+07	0.91	Y	1.11	220	1686	0.422
4	OCDD-a	46.39		1.0001	1.0002	+0.3	6.44E+05	2.82	Y	1.00	14.7	1089	0.302
5	TCDF	NotFnd		0.7983						0.98		976	0.0599
6	TCDF	NotFnd		0.8218						0.98		976	0.0599
7	TCDF	NotFnd		0.8463						0.98		976	0.0599
8	TCDF	NotFnd		0.8625						0.98		976	0.0599
9	TCDF	NotFnd		0.8677						0.98		976	0.0599
10	TCDF	NotFnd		0.8787						0.98		976	0.0599
11	TCDF	NotFnd		0.8840						0.98		976	0.0599
12	TCDF	NotFnd		0.8998						0.98		976	0.0599
13	TCDF	NotFnd		0.9054						0.98		976	0.0599
14	TCDF	NotFnd		0.9125						0.98		976	0.0599
15	TCDF	NotFnd		0.9279						0.98		976	0.0599
16	TCDF	NotFnd		0.9334						0.98		976	0.0599
17	TCDF	NotFnd		0.9381						0.98		976	0.0599
18	TCDF	NotFnd		0.9439						0.98		976	0.0599
19	TCDF	25.55		0.9630	0.9628	-0.3	3.41E+04	1.02	N	0.98	0.164	976	0.0599
20	TCDF	NotFnd		0.9674						0.98		976	0.0599
21	TCDF	NotFnd		0.9746						0.98		976	0.0599
22	TCDF	NotFnd		0.9829						0.98		976	0.0599
23	TCDF	NotFnd		0.9916						0.98		976	0.0599
24	TCDF	NotFnd		0.9963						0.98		976	0.0599
25	2378-TCDF	26.56		1.0009	1.0009	0	4.63E+06	0.78	Y	0.98	22.2	976	0.0599
26	TCDF	NotFnd		1.0166						0.98		976	0.0599
27	TCDF	NotFnd		1.0274						0.98		976	0.0599
28	TCDF	NotFnd		1.0390						0.98		976	0.0599
29	TCDF	NotFnd		1.0886						0.98		976	0.0599
30	PeCDF	NotFnd		0.8975						1.00	1544	2036	0.141
31	PeCDF	NotFnd		0.9542						1.00	2036	2036	0.141
32	PeCDF	NotFnd		0.9587						1.00	2036	2036	0.141
33	PeCDF	NotFnd		0.9636						1.00	2036	2036	0.141
34	PeCDF	NotFnd		0.9671						1.00	2036	2036	0.141
35	PeCDF	NotFnd		0.9760						1.00	2036	2036	0.141
36	PeCDF	NotFnd		0.9810						1.00	2036	2036	0.141

Lab ID: OPR1_10216_DF

Acq'd: 19 Oct 2012 15:32 MDC

Wt/Vol: 10.00 g

ICAL: 1613_SGS

Client ID: 0_10216_OPR001

UTP: 20-Oct-2012 12:47 MDC

J-level: 0.5 pg/g Split: 1

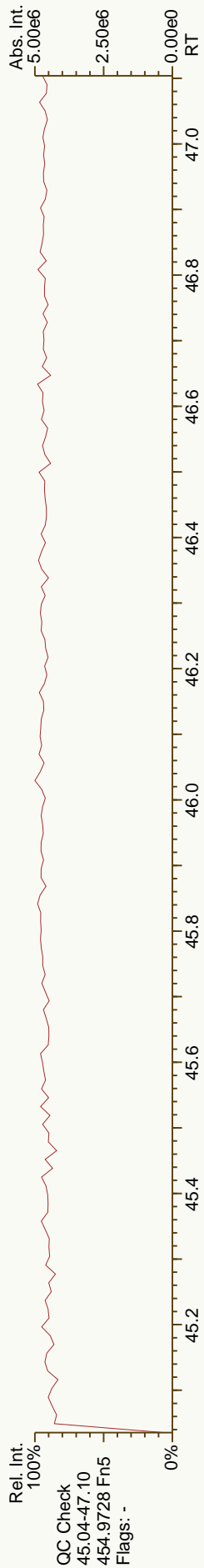
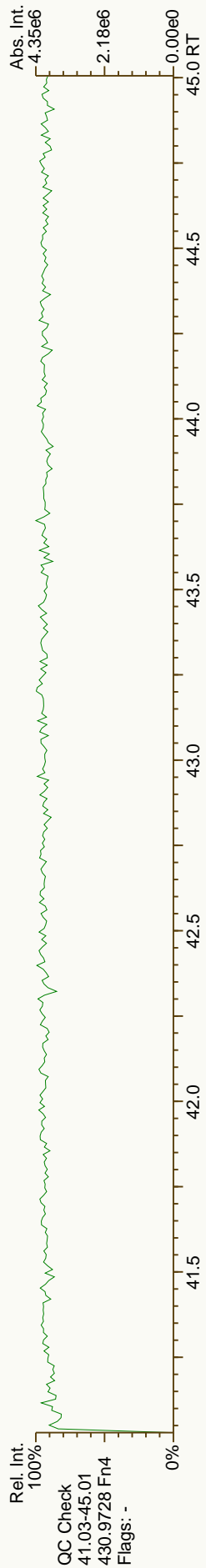
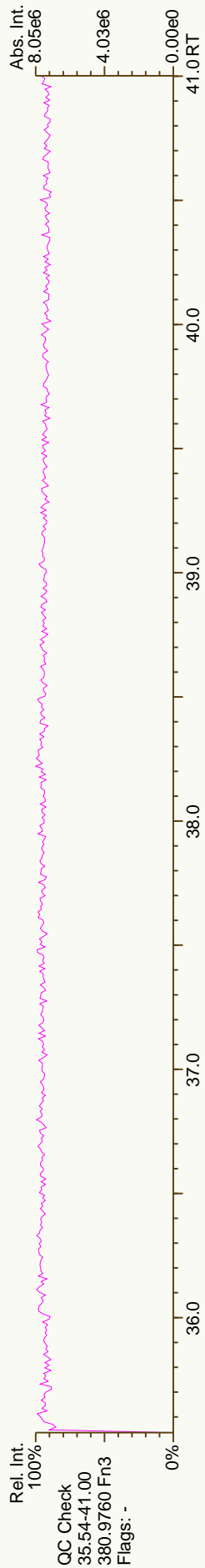
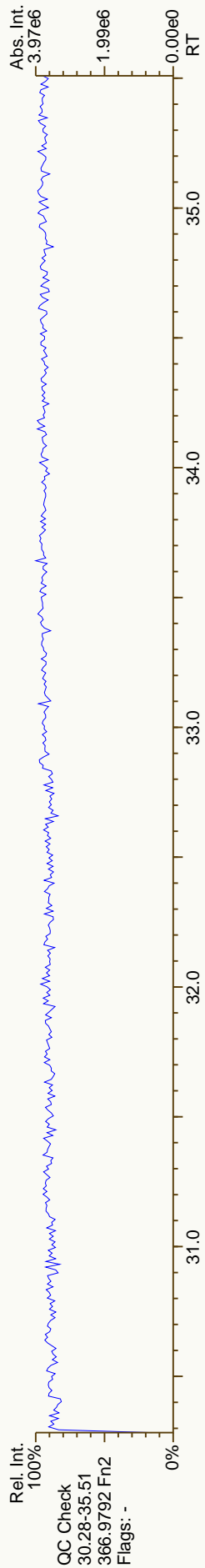
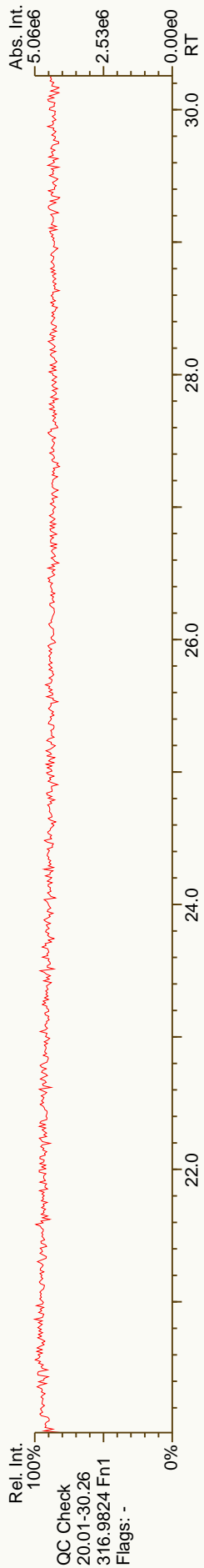
Checkcode: 179-693-HMX

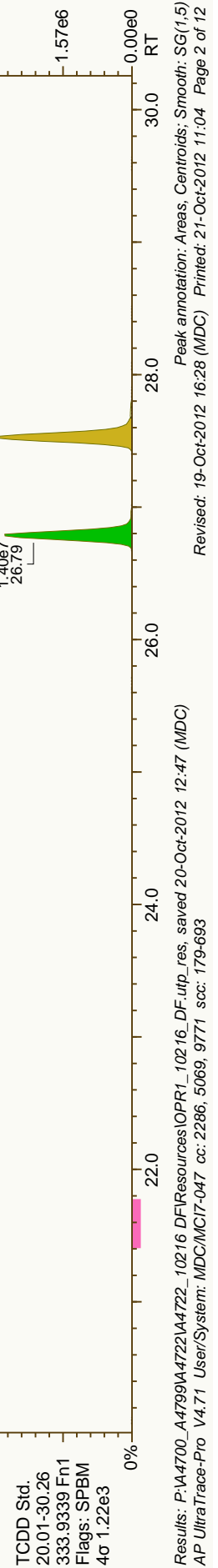
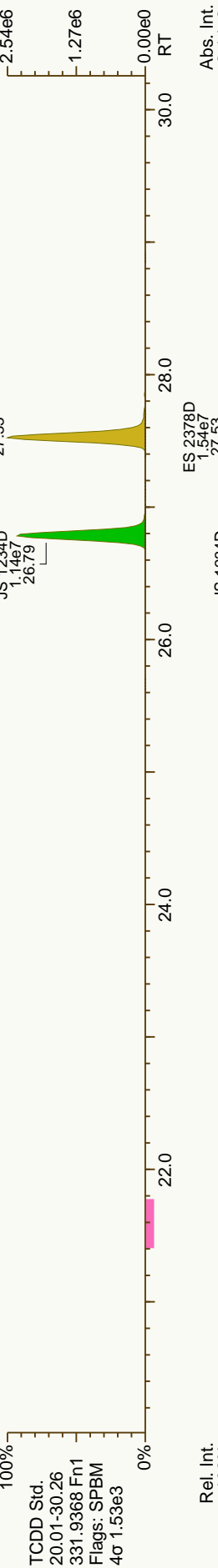
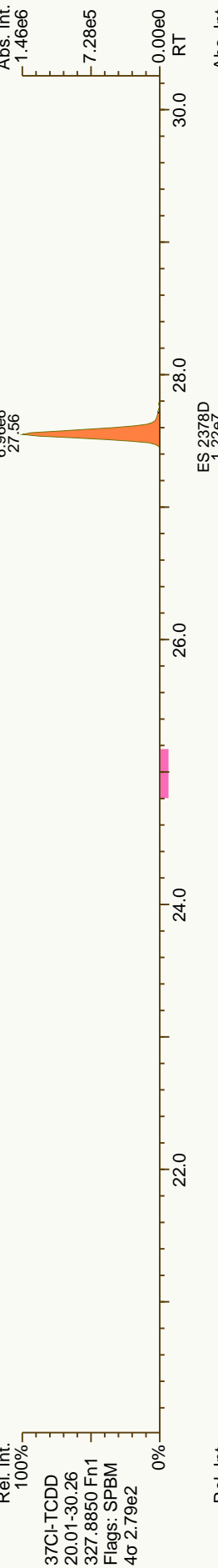
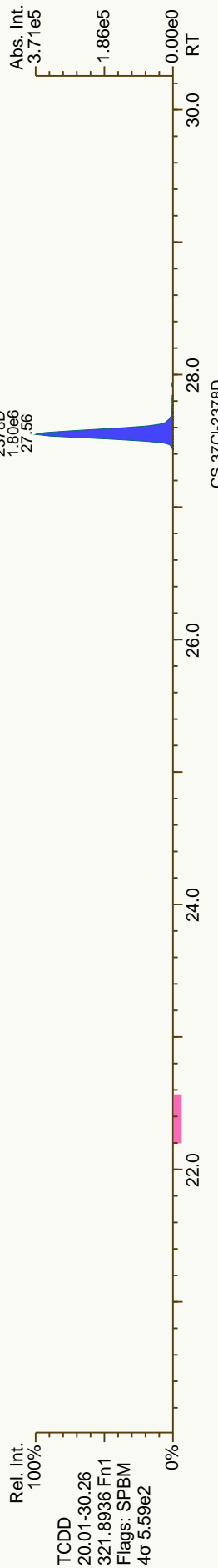
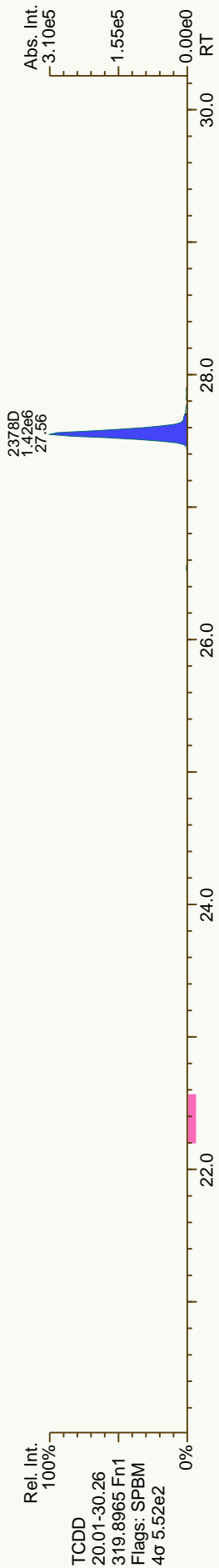
Datafile: 121019P1-02

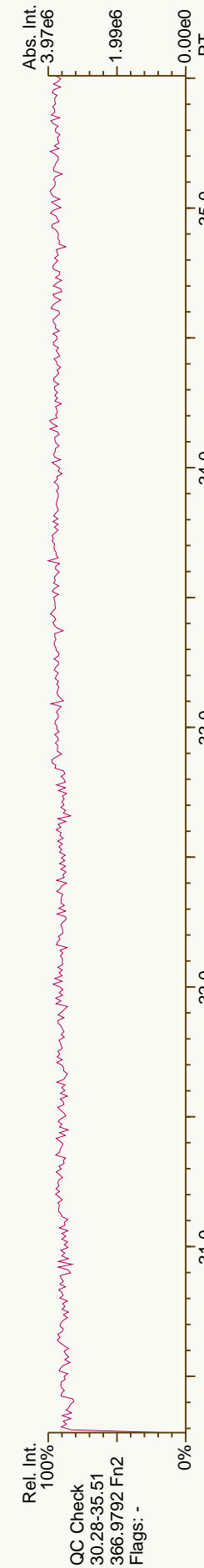
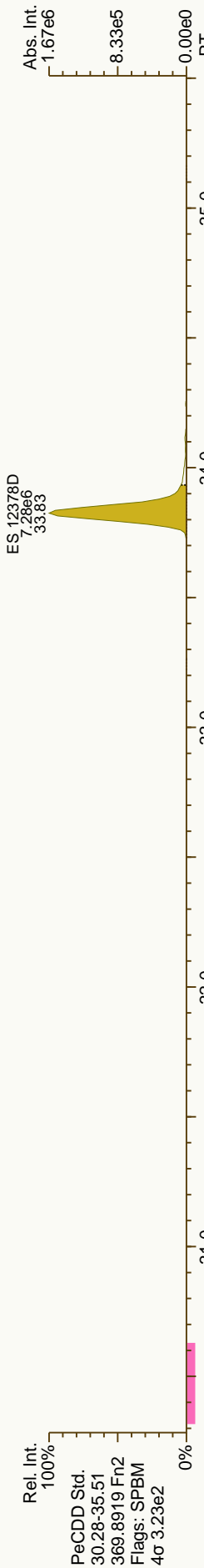
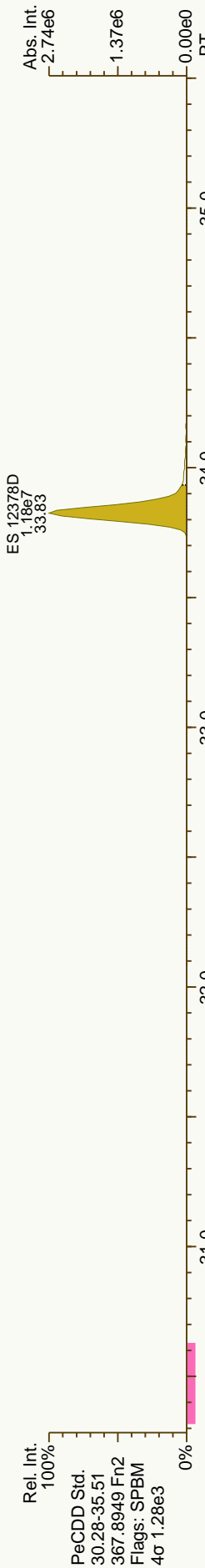
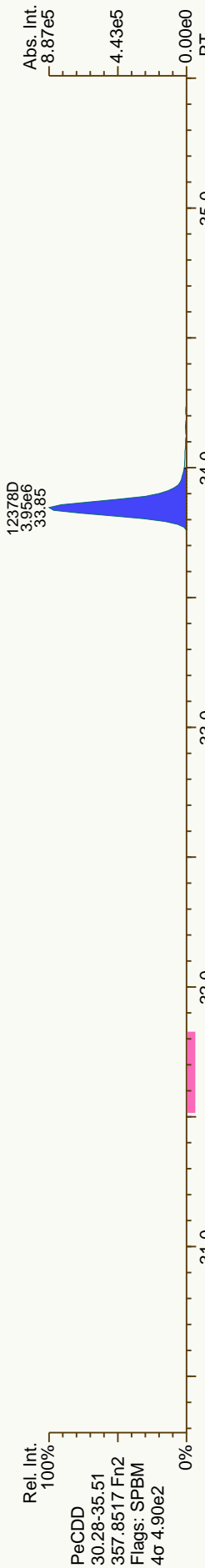
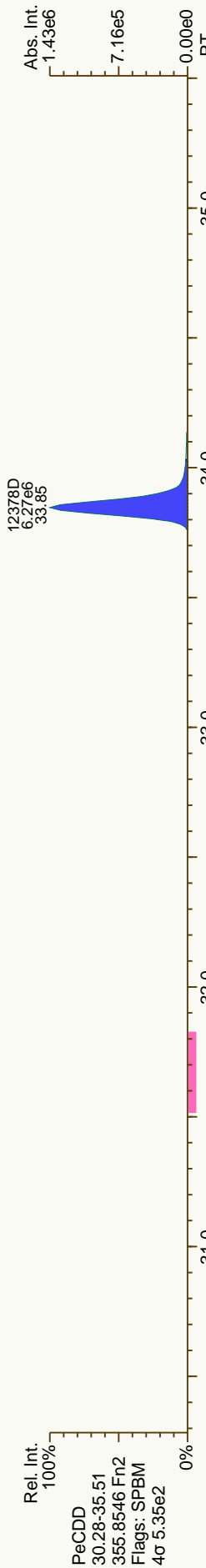
Report: 21 Oct 2012 10:20 MC

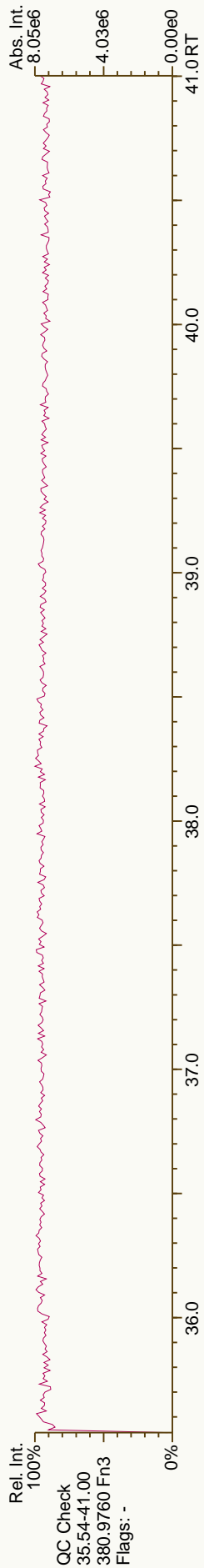
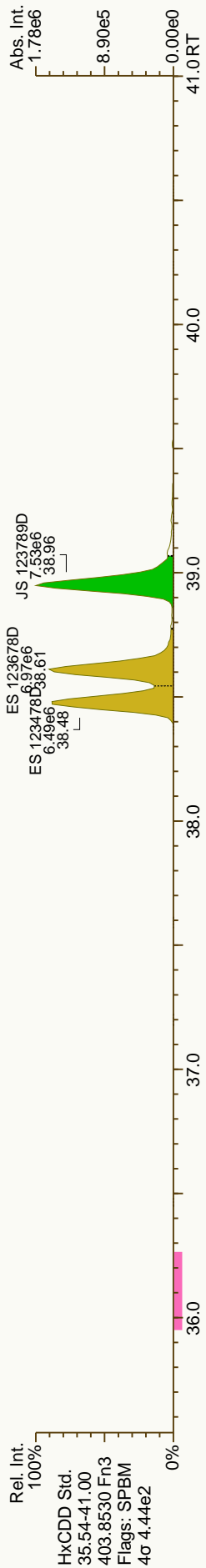
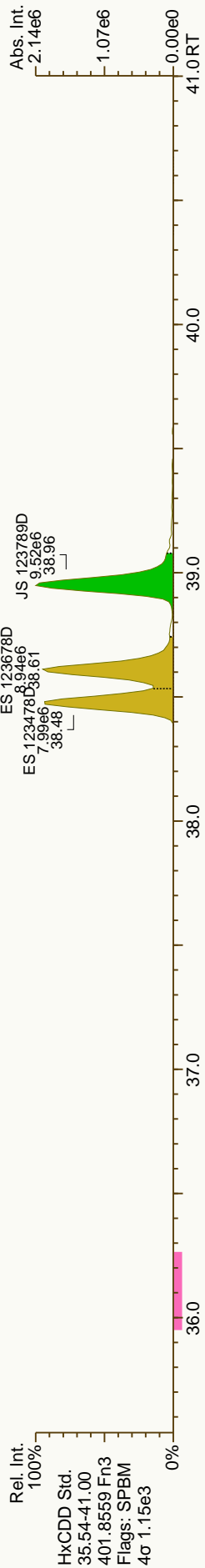
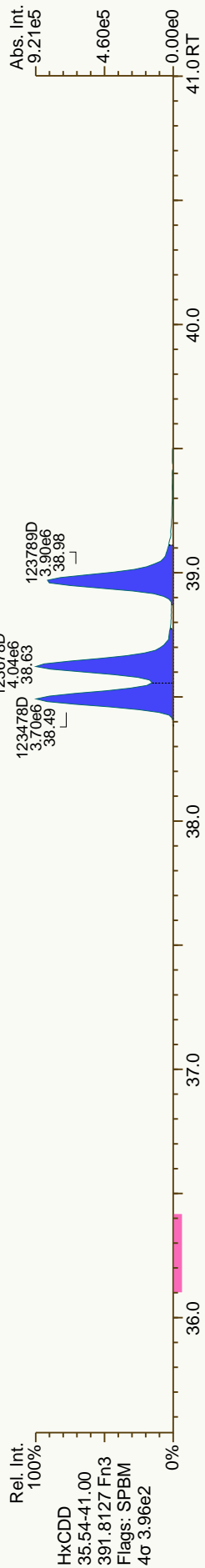
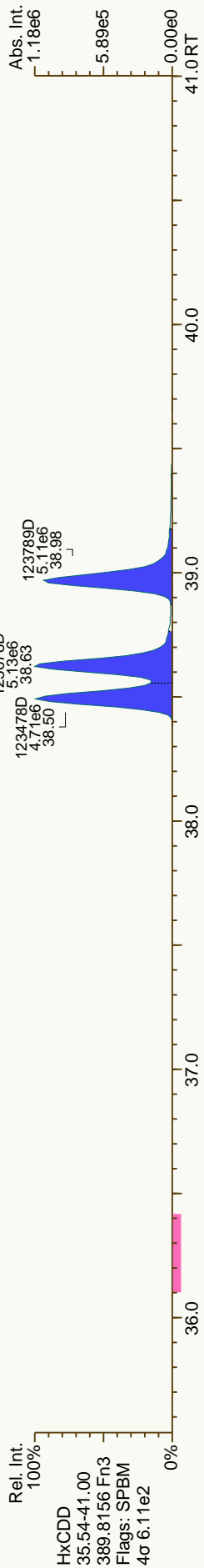
Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

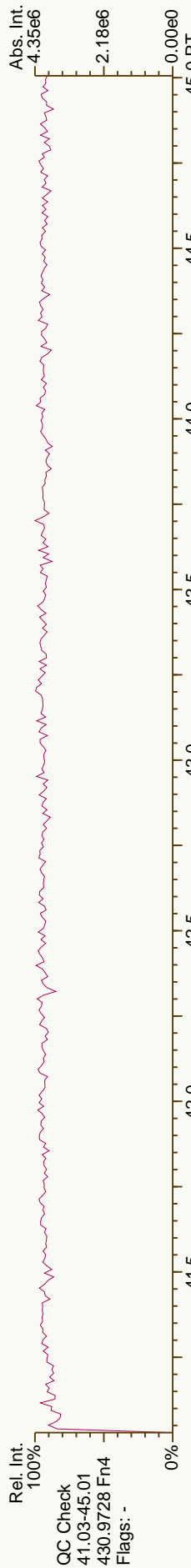
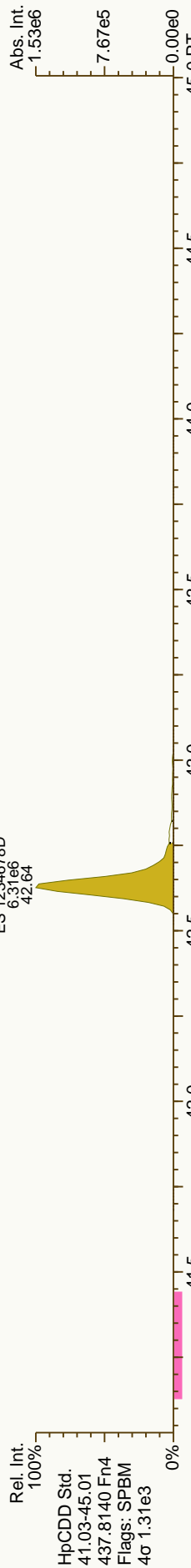
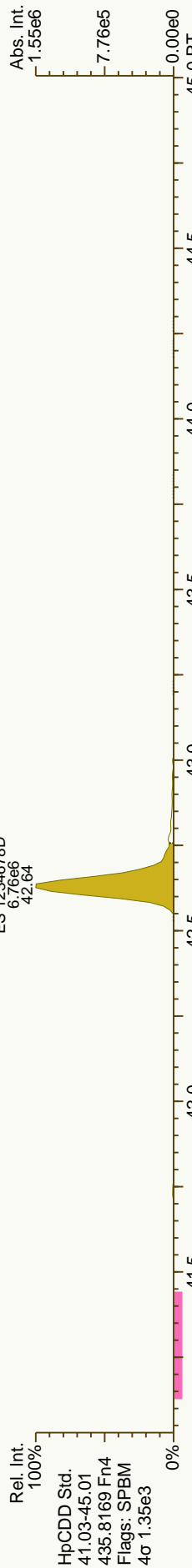
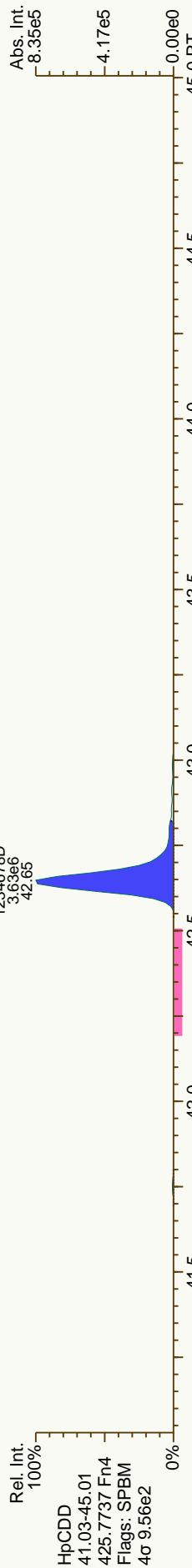
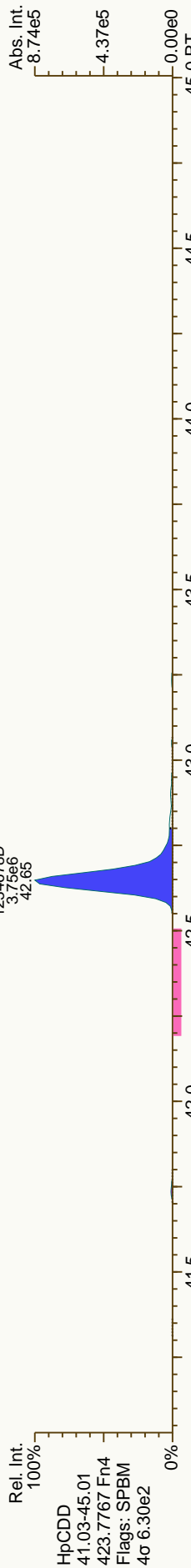
Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	PeCDF	NotFnd		0.9847						1.00		2036	0.141
2	PeCDF	NotFnd		0.9870						1.00		2036	0.141
3	PeCDF	31.87		0.9930	0.9931	+0.2	4.06E+04	1.83	N	1.00	0.258	2036	0.141
4	12378-PeCDF	32.12		1.0007	1.0007	0	1.71E+07	1.48	Y	0.99	115	2036	0.147
	PeCDF	NotFnd		1.0113						1.00		2036	0.141
	PeCDF	NotFnd		1.0169						1.00		2036	0.141
	PeCDF	NotFnd		0.9917						1.00		2036	0.141
	PeCDF	33.28		0.9962	0.9960	-0.4	7.82E+04	1.61	Y	1.00	0.497	2036	0.141
	23478-PeCDF	33.44		1.0006	1.0006	0	1.76E+07	1.53	Y	1.02	106	2036	0.135
	PeCDF	NotFnd		0.0000						1.02	0	0	0
	PeCDF	NotFnd		1.0023						1.00		2036	0.141
	PeCDF	NotFnd		1.0120						1.00		2036	0.141
	PeCDF	34.69		1.0389	1.0381	-1.6	3.82E+04	0.98	N	1.00	0.243	2036	0.141
	HxCDF	35.68		0.9565	0.9563	-0.4	2.55E+04	1.48	N	1.15	0.203	1594	0.138
	HxCDF	35.91		0.9627	0.9625	-0.4	3.50E+04	1.05	N	1.15	0.28	1594	0.138
	HxCDF	NotFnd		0.9700						1.15		1594	0.138
	HxCDF	NotFnd		0.9762						1.15		1594	0.138
	HxCDF	NotFnd		0.9833						1.15		1594	0.138
	HxCDF	37.15		0.9968	0.9958	-2.2	1.62E+04	1.07	Y	1.15	0.129	1594	0.138
	123478-HxCDF	37.33		1.0006	1.0005	-0.2	1.40E+07	1.24	Y	1.19	116	1594	0.131
	123678-HxCDF	37.50		1.0005	1.0005	0	1.54E+07	1.26	Y	1.16	110	1594	0.121
	HxCDF	NotFnd		1.0055						1.15		1594	0.138
	HxCDF	NotFnd		1.0102						1.15		1594	0.138
	HxCDF	NotFnd		0.9933						1.15		1594	0.138
	234678-HxCDF	38.28		1.0006	1.0005	-0.2	1.46E+07	1.25	Y	1.18	105	1594	0.124
	HxCDF	NotFnd		0.0000						1.18	0	0	0
	HxCDF	NotFnd		1.0009						1.15		1594	0.138
	123789-HxCDF	39.40		1.0005	1.0005	0	1.19E+07	1.27	Y	1.09	118	1594	0.19
	HxCDF	NotFnd		0.0000						1.09	0	0	0
	123489-HxCDF	NotFnd		1.0013						1.15		1594	0.138
	1234678-HpCDF	41.38		1.0004	1.0004	0	1.15E+07	1.05	Y	1.35	108	2624	0.241
	HpCDF	NotFnd		1.0091						1.34		2624	0.28
	HpCDF	NotFnd		1.0140						1.34		2624	0.28
	1234789-HpCDF	43.26		1.0004	1.0004	0	9.24E+06	1.06	Y	1.34	105	2624	0.327
	OCDF	46.65		1.0057	1.0057	0	1.43E+07	0.93	Y	1.40	233	881	0.175
	OCDF-a	46.64		1.0053	1.0055	+0.6	8.22E+05	2.40	Y	1.00	18.7	557	0.154

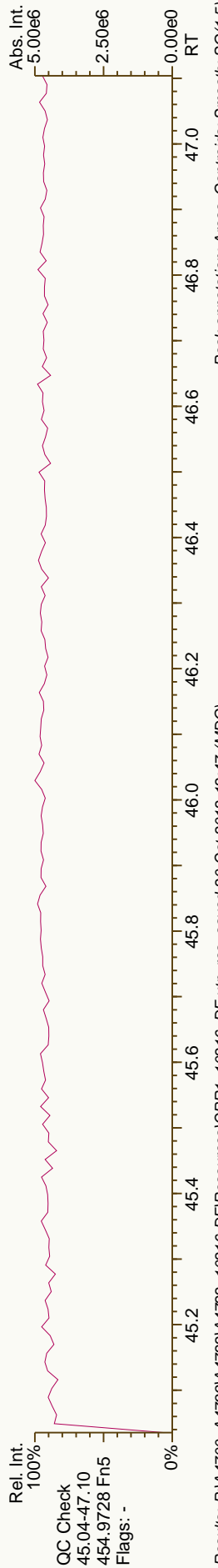
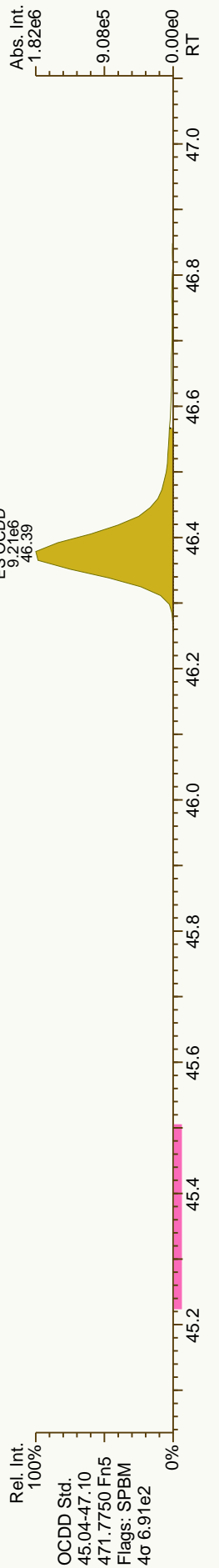
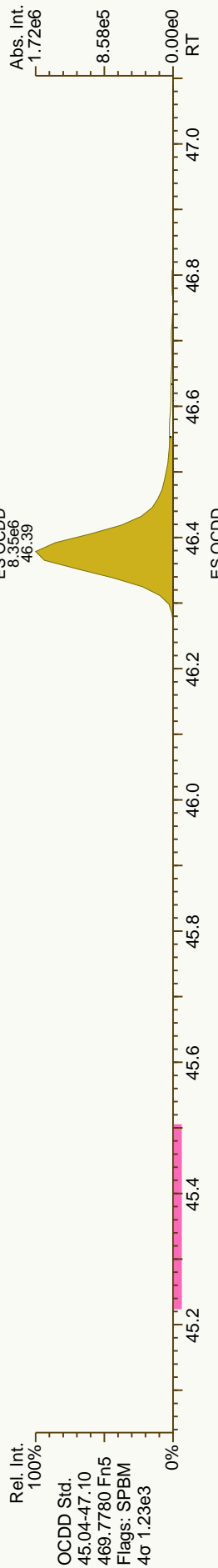
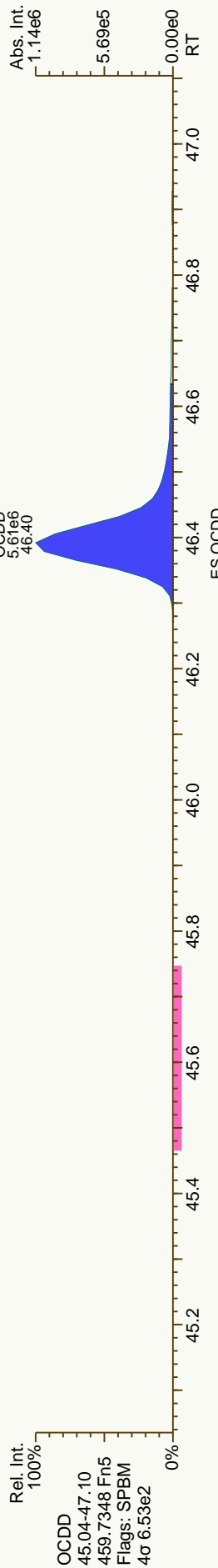
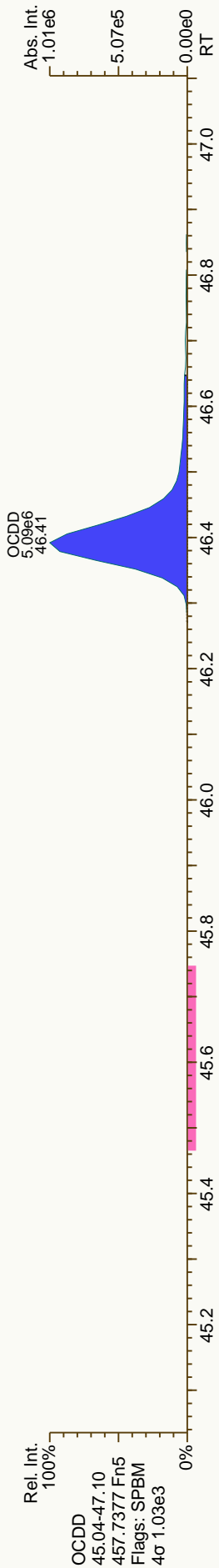


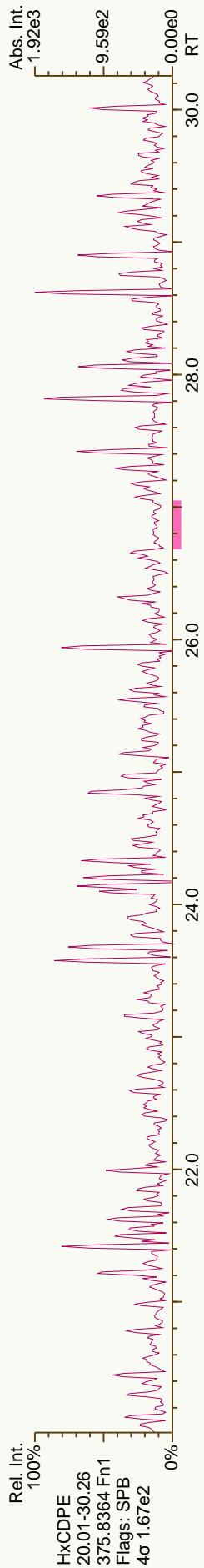
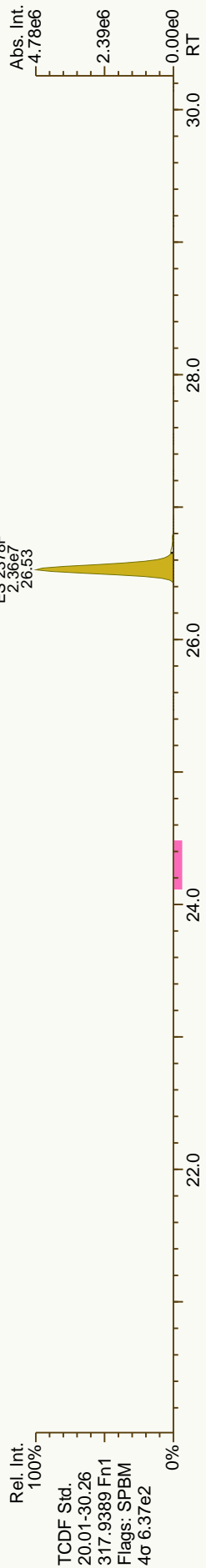
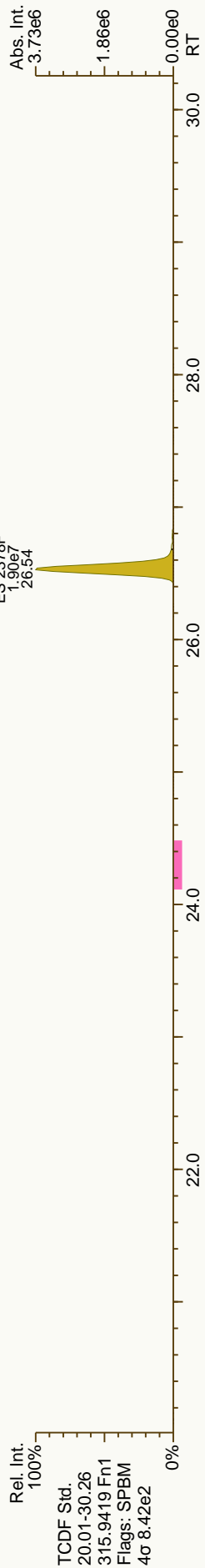
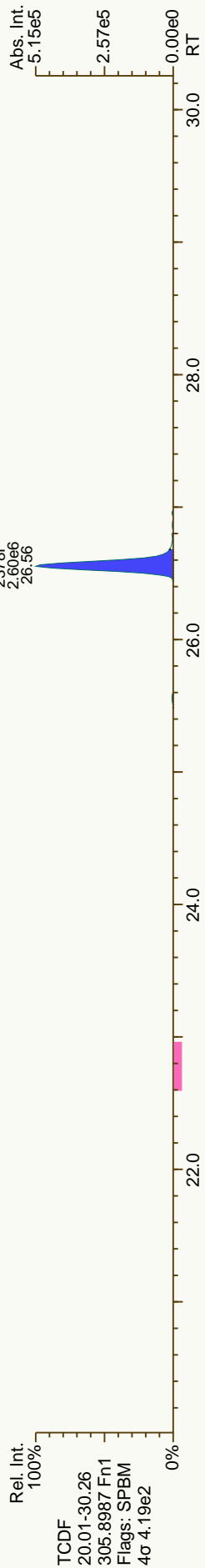
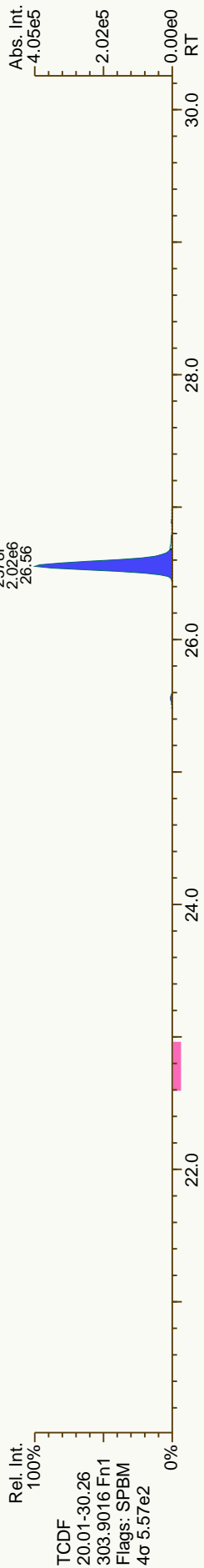


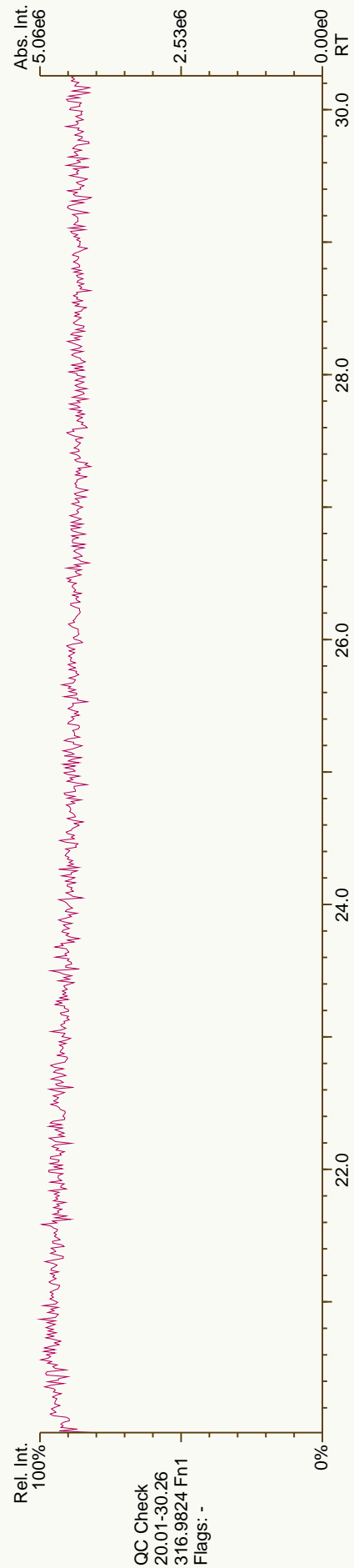
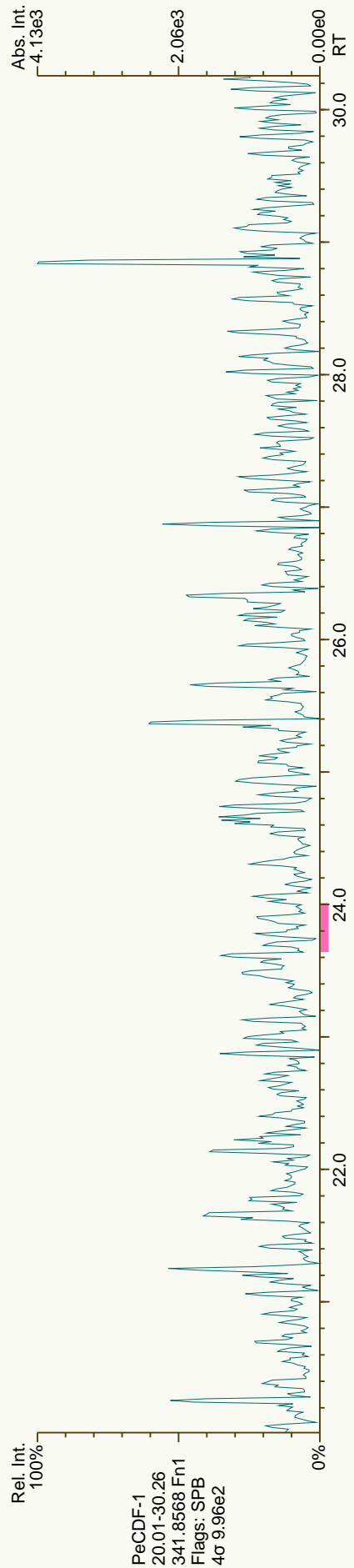
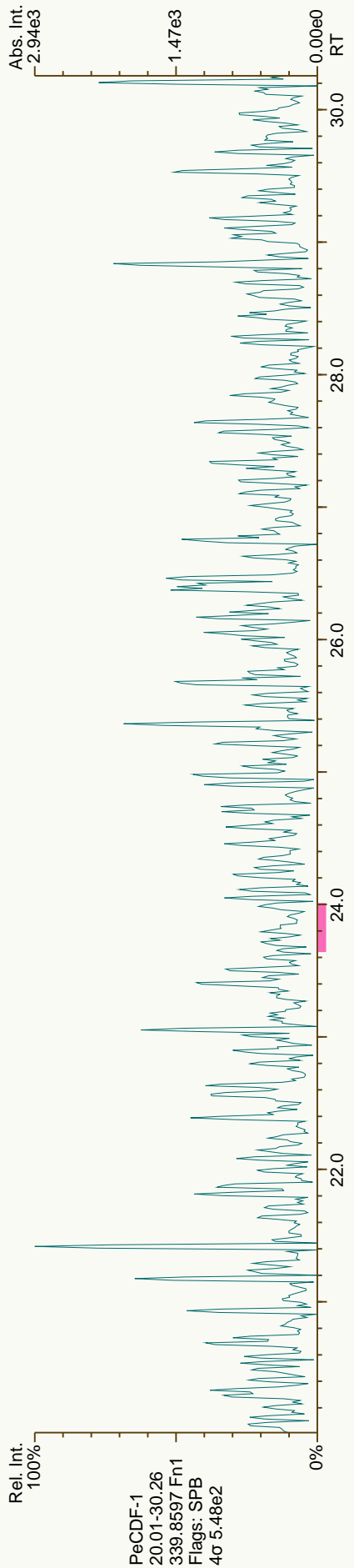


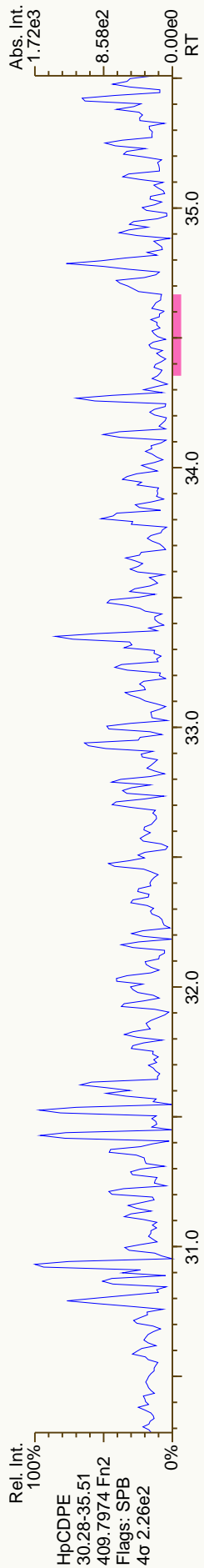
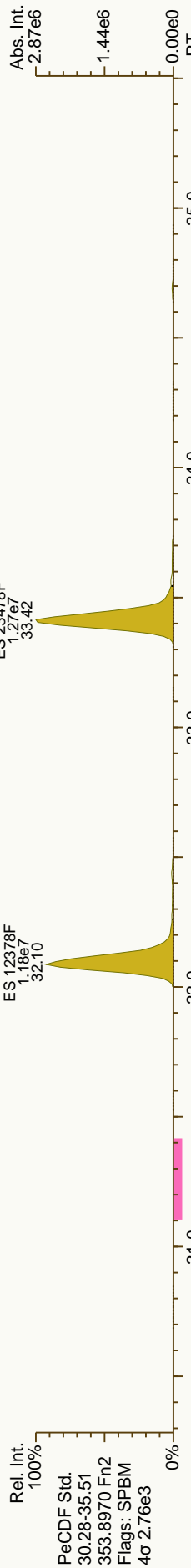
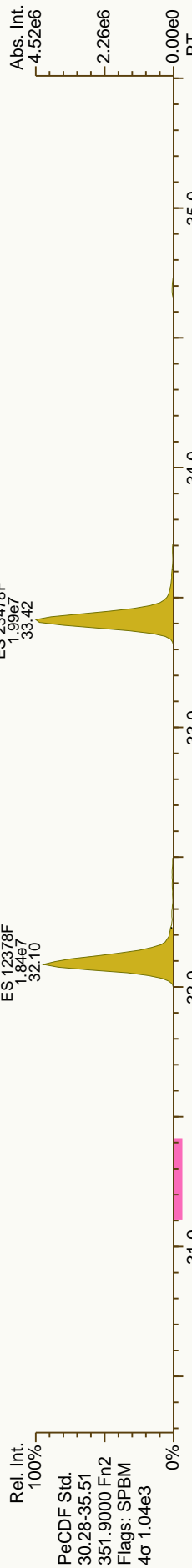
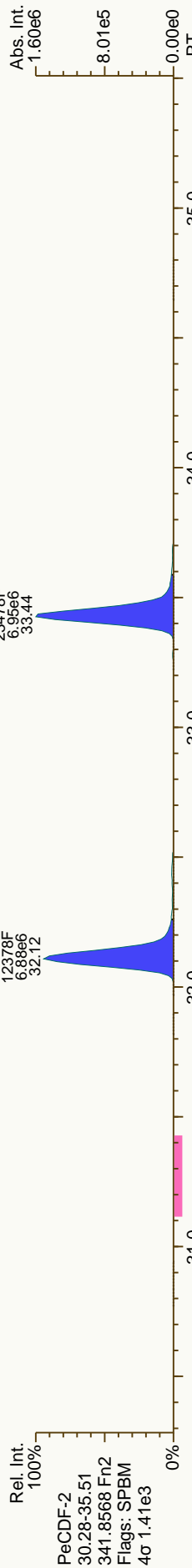
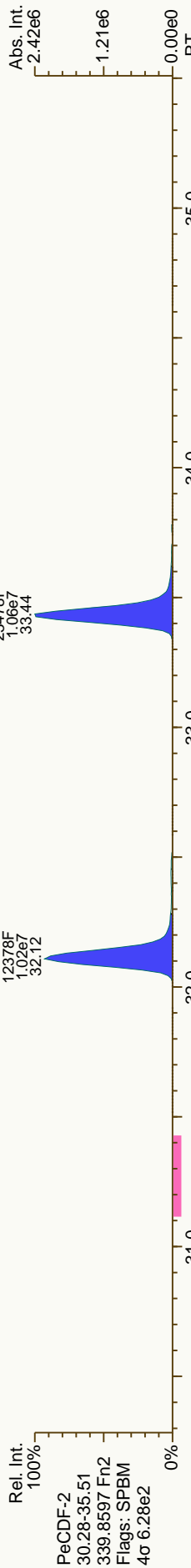


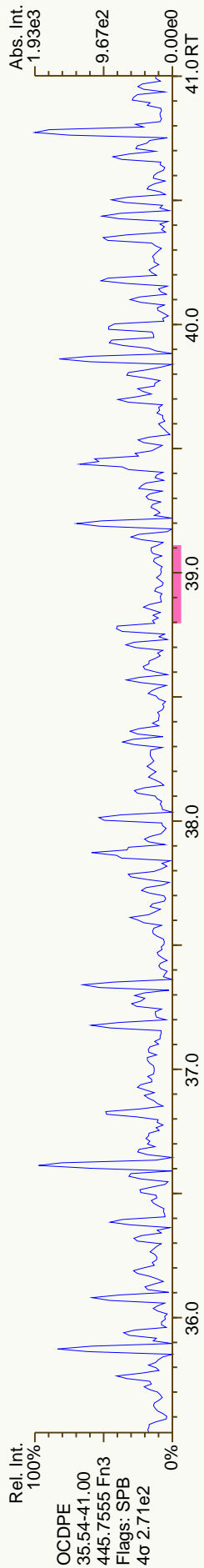
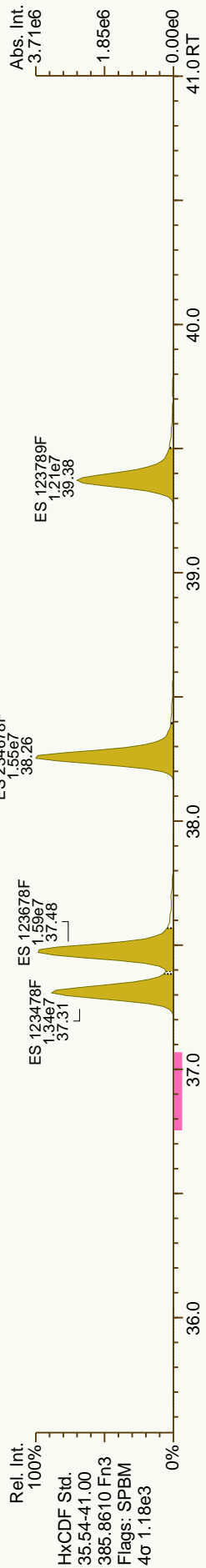
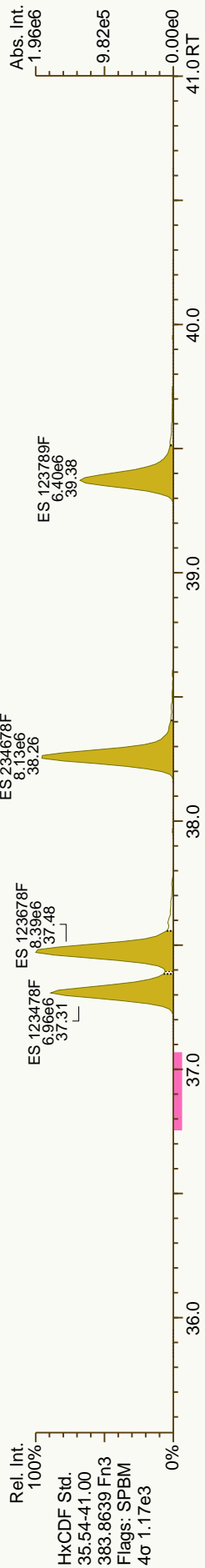
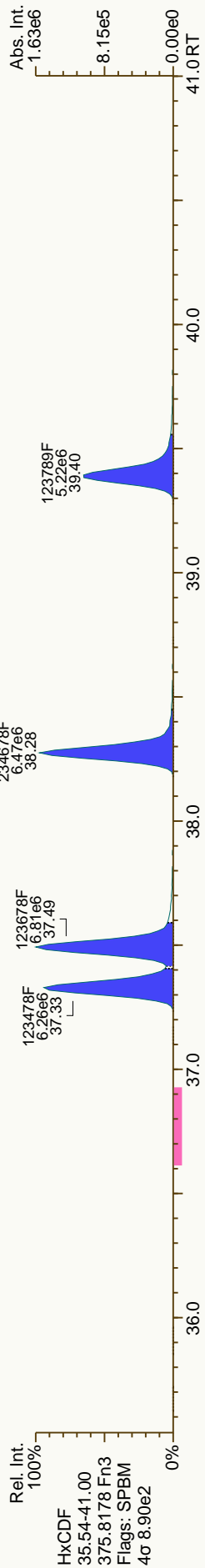
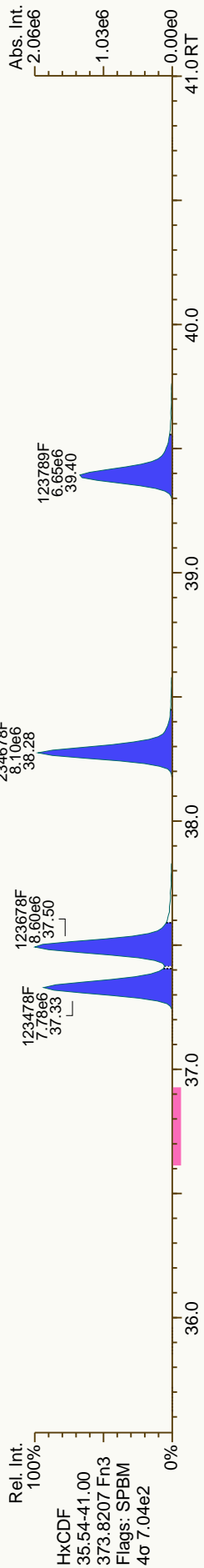




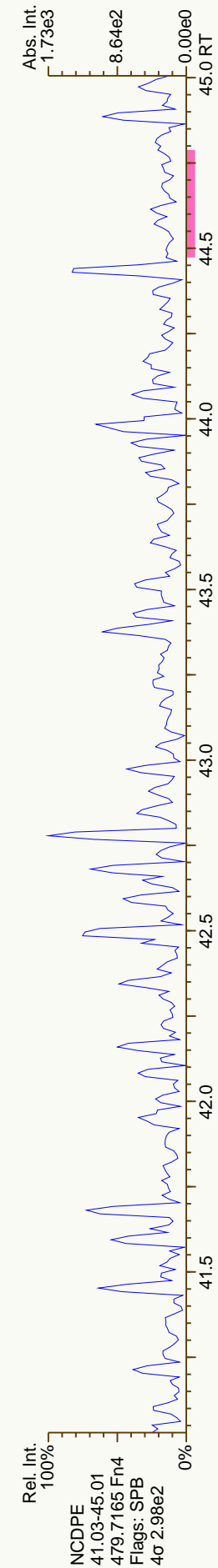
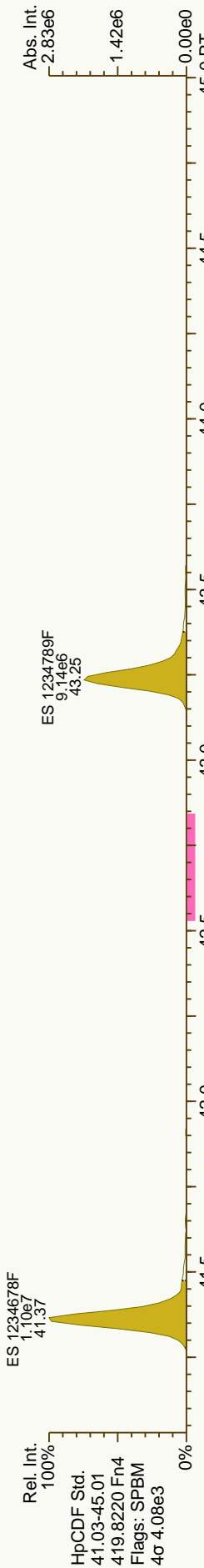
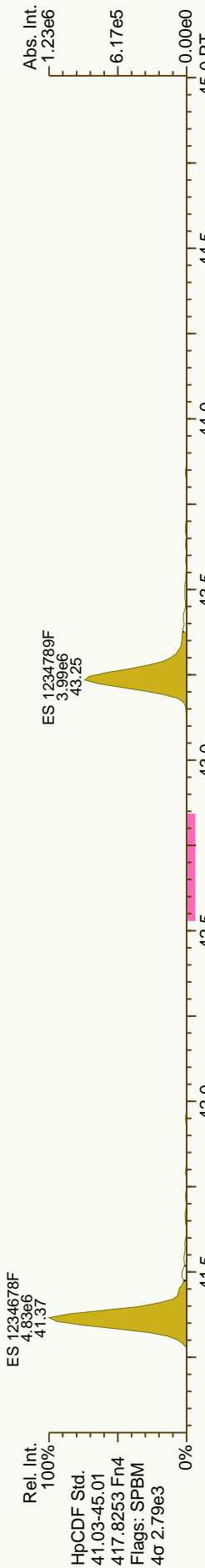
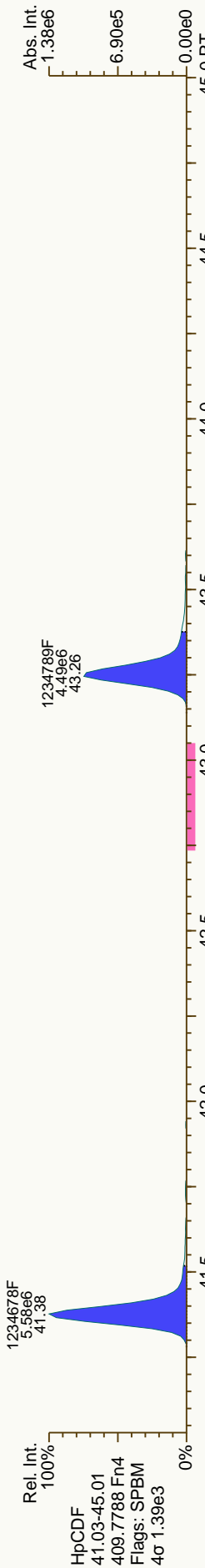
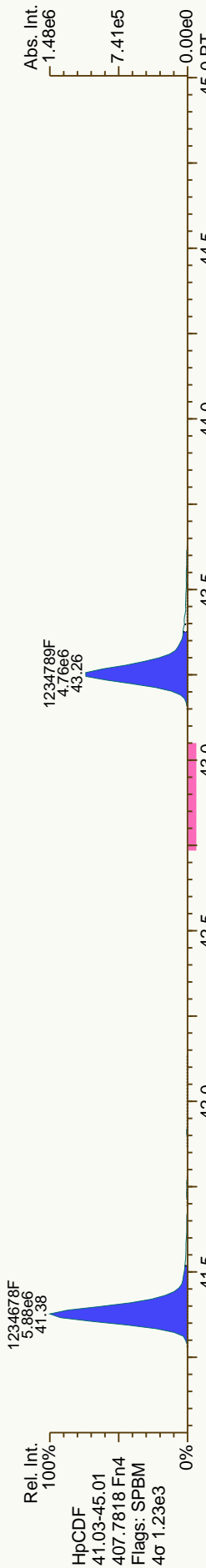


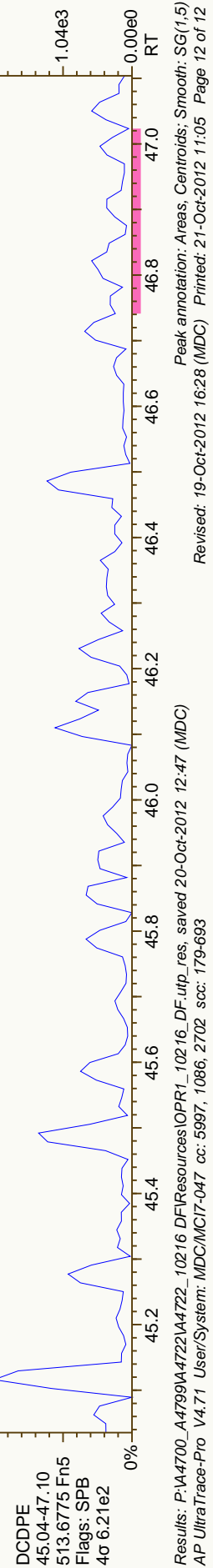
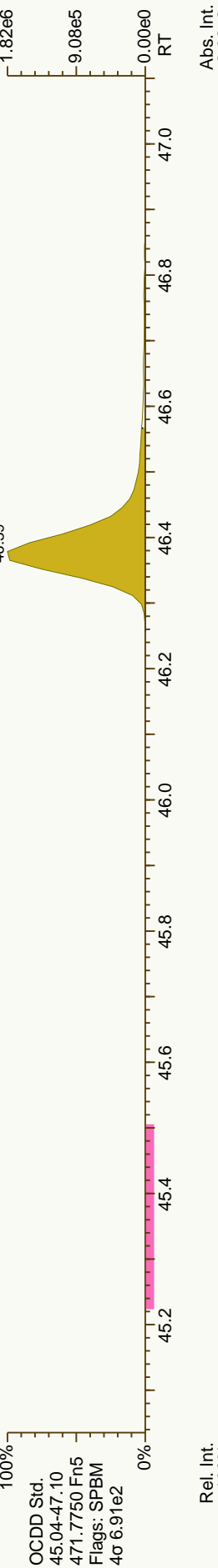
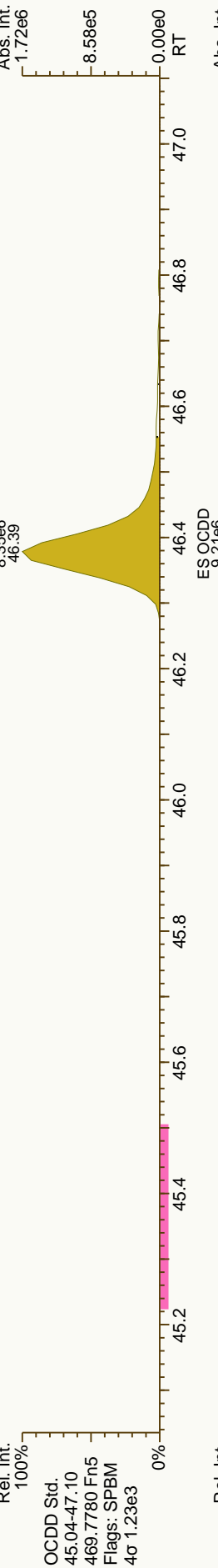
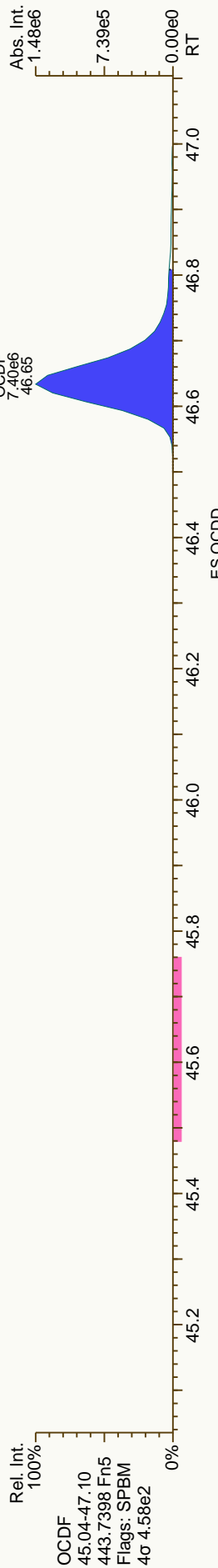
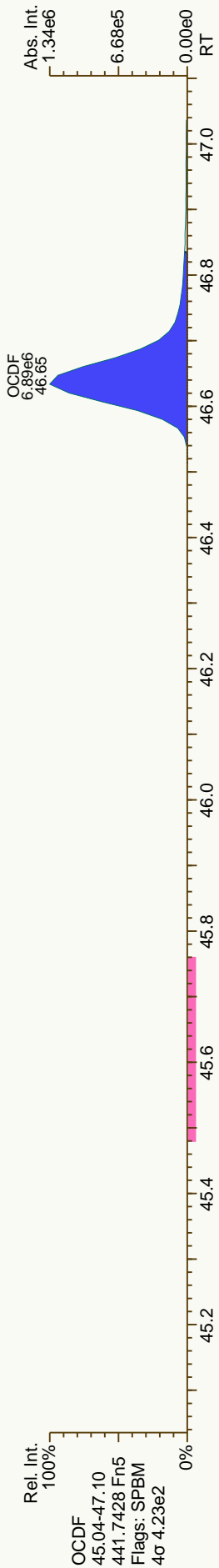






WO# 31203249







Project Initiation Form

Project Number: A4722

Initiation Date: 09-Oct-12

Client Name: JELDWENOR

Sample Matrix: Soil

Analysis Method: 1668 PCB / 1613

TAT: 15 days

Project Manager: Amy

Special Instructions

11 samples M1613, 4 samples for 1668A

1, 2, 4, 8 PF/PCB

5500 spikes, OPR

%solids, report on dry-weight basis

12 is 50-p

report, INV via Horizon

Reporting Instructions

11 samples M1613, 4 samples for 1668A

5500 spikes, OPR

%solids, report on dry-weight basis

report, INV via Horizon

PM Initials: aboehm

Date: 09-Oct-2012

TRANSFER: M 10/11/12
 RECEIVED: MS 10/11/12

HRD 1902

WO# 3120249



1613 PCDD/F

Solids

Project #	Batch #	Extract Inlt/Date:	M 10/10/12	ASECS Inlt/Date:	M 10/16/12		
A4722	10216						
AP Sample ID	Client Sample ID	Extract WT (g)	SDS # M/S/ToL	RV Initials #	(Td) 20-1	ASECS #	Observations
A4722_10216_001	JW-EA09-SS35-120507 (10)	20.48	10	mm1 1	VS	4	Moist brown RL
A4722_10216_002	JW-EA09-SS34-120507 (9)	17.15	11	mm1 1	VS	5	See 001
A4722_10216_003	JW-EA08-SS32-120507 (7)	19.88	12, 13, 14	mm1 2	VS	10	See 001
A4722_10216_004	JW-EA09-SS36-120507 (11)	16.40	12, 13	mm1 1	VS	6	See 001
A4722_10216_005	JW-EA08-SS31-120507 (6)	16.76	15	mm1 1	VS	9	See 001
A4722_10216_006	JW-EA08-SS29-120507 (4)	20.80	16	mm1 1	VS	8	See 001
A4722_10216_007	JW-EA07-SS27-120507 (2)	19.40	17	mm1 2	VS	16	See 001
A4722_10216_008	JW-EA09-SS33-120507 (8)	19.32	13	mm1 1	VS	7	See 001
A4722_10216_009	JW-EA08-SS30-120507 (5)	20.22	18	mm1 1	VS	15	See 001
A4722_10216_010	JW-EA07-SS28-120507 (3)	17.04	19	mm1 4	VS	14	See 001
A4722_10216_011	JW-EA07-SS26-120507 (1)	16.99	20	mm1 3	VS	13	See 001
A4722_10216_012	JW-EA08-SS131-120507 (12)	16.67	21	mm1 4	VS	12	See 001
Special Instructions							
11 samples M1613, 4 samples for 1668A							
5500 spikes, OPR							
%solids, report on dry-weight basis							
report, INV via Horizon							
				Supply IDs			
		Toluene	DH016	Acid Silica	10/11/2012		
		CH ₂ Cl ₂	DH320	Base Silica	10/08/2012		
		Sand	-	HydroMatrix	10/11/2012		
		Florisil	10102012	Tetradecane	10/25/2011		
		Hexane	DG914	U.S.O.	10/15/2012		
		Silica	09282012	NH ₂ SiK Silicate	08/20/2012		

Start 5:30 am
 Stop 10:00 am

Start 4:45 pm
 Stop 11:00 am



1613 PCDD/F

Solids

Project #		Batch #		10216					
A4722		A4722		10216					
SPIKE PROFILE PCDD/Fs									
Analyte	Spike Compounds	Spike Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent		
PCDD/F	ES AS/CS Ax BCS3 JS Td Batch CS3	2 ng	200 uL	10 pg/uL	1	20 uL	Td		
		2 ng	200 uL	10 pg/uL	1	20 uL	Td		
		0.2 ng	200 uL	1 pg/uL	1	20 uL	Td		
		2 ng	200 uL	10 pg/uL	1	20 uL	Td		
		Spiker Initials/Date: <i>NA 10/10/12</i>							
		AP Sample ID	Client Sample ID	PCDD/F ES Amount: <i>40 uL</i>	PCDD/F MX Amount: <i>40 uL</i>	PCDD/F CS Amount: <i>40 uL</i>	PCDD/F JS Amount: <i>20 uL</i>	Amount:	Observer Initials
		A4722_10216_001	JW-EA09-SS35-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>		
		A4722_10216_002	JW-EA09-SS34-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>		
		A4722_10216_003	JW-EA08-SS32-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>		
		A4722_10216_004	JW-EA09-SS36-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>		
		A4722_10216_005	JW-EA08-SS31-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>		
		A4722_10216_006	JW-EA08-SS29-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>		
A4722_10216_007	JW-EA07-SS27-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>				
A4722_10216_008	JW-EA09-SS33-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>				
A4722_10216_009	JW-EA08-SS30-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>				
A4722_10216_010	JW-EA07-SS28-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>				
A4722_10216_011	JW-EA07-SS26-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>				
A4722_10216_012	JW-EA08-SS131-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>				
Standard Information									
Std. Type	MIX	ES	ES	CS	JS				
Spike ID	<i>540.86</i>	<i>540.70</i>		<i>540.67</i>		<i>540.69</i>			
SIL #									
Concentration	<i>0.005</i>	<i>0.05</i>		<i>0.01</i>		<i>0.10</i>			
Units	<i>ng/g</i>	<i>ng/g</i>		<i>ng/g</i>		<i>ng/g</i>			
Exp. Date	<i>10-2-13</i>	<i>8-9-13</i>		<i>10/2/13</i>		<i>8/9/13</i>			
Spike amount (µL)	40	40		40		40			

NA 10/10/12

EE M
10/10/12

1668A



1668 PCB

Solids

Project # A4722 Batch # 10216

SPIKE PROFILE PCBs

Analyte	Spike Compounds	Spike Amount	Spike Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent	Spike Initials/Date:	
								PCB ES	PCB MX
PCB	ES	2 ng	20 uL	100 pg/uL	1	20 uL	Nonane	MA 10/10/12	MA 10/16/12
	CS	2 ng	20 uL	100 pg/uL	1	20 uL	Nonane		
	JS	2 ng	10 uL	200 pg/uL	1	20 uL	Nonane		
	AAP68A Batch CS3 AAP68A	1 ng 1 ng	20 uL 20 uL	50 pg/uL 50 pg/uL	1 1	20 uL 20 uL	Nonane Nonane		
AP Sample ID	Client Sample ID	Amount: 40 uL Observer Initials	Amount: 50 uL Observer Initials	Amount: 40 uL Observer Initials	Amount: 20 uL Observer Initials	Amount:	Observer Initials		
A4722_10216_001	JW-EA09-SS35-120507	VS	-	VS	mn1				
A4722_10216_002	JW-EA09-SS34-120507	VS	-	VS	mn1				
A4722_10216_004	JW-EA09-SS36-120507	VS	-	VS	mn1				
A4722_10216_008	JW-EA09-SS33-120507	VS	-	VS	mn1				
MB1_10216	Method Blank	VS	-	VS	mn1				
OPR1_10216	0_10216_OPR001	VS	VS	VS	mn1				
		10-10-12	10-10-12	10-12-12	10-16-12				

Standard Information

Std. Type	PCB ES	MX	CS	PCB JS
Spike ID	540-89	540-52B	540-72	540-90
SIL #				
Concentration	0.05	0.01	0.05	0.1
Units	ng/uL	ng/uL	ng/uL	ng/l
Exp. Date	10-2-13	8-28-13	8-10-13	10-13-13
Spike amount (uL)	40	50	40	20

FWT 5018
10.02 48.9226
10.01 58.35
10.05 61.26
10.07 52.289
10.10
LIS 10-05-12

% Solids

Project: 4722

Chemist: WSS

Batch #: 10216

Date: 10/9/12

Procedure:

Tare Balance.

Add boat and weigh. Record "Boat Wt."

Add the sample (2-10 g) to the boat and record "Wet Wt. + Boat Wt." (total).

Dry in oven overnight @ 107° C.

Tare Balance

Return dish to toploader and record "Residue + Boat Wt."

AP Sample ID	Boat Wt. (g)	Wet Wt. + Boat Wt.	Chem/Date	Residue + Boat Wt. (g)	Chem/Date	Comments
001 A	1.34	4.90	WSS	3.12	VS	} 20.44
B	1.34	6.23	WSS	3.70	VS	
C	1.35	3.70	WSS	2.49	VS	
002 A	1.33	4.40	WSS	3.10	VS	} 17.14
B	1.35	5.66	WSS	3.87	VS	
C	1.35	5.05	WSS	3.53	VS	
003 A	1.34	4.13	WSS	2.75	VS	} 19.73
B	1.34	5.98	WSS	3.69	VS	
C	1.32	3.74	WSS	2.55	VS	
004 A	1.34	5.57	WSS	3.92	VS	} 16.32
B	1.36	4.81	WSS	3.48	VS	
C	1.35	4.97	WSS	3.57	VS	
005 A	1.32	3.91	WSS	2.86	VS	} 16.63
B	1.34	4.34	WSS	3.18	VS	
C	1.34	4.63	WSS	3.30	VS	
006 A	1.33	4.89	WSS	3.01	VS	} 20.79
B	1.34	4.64	WSS	2.94	VS	
C	1.35	4.93	WSS	3.09	VS	

10-10-12

10/9/12

% Solids

Project: 4722
 Chemist: WSS
 Batch #: 10216
 Date: 10/9/12

Procedure:
 Tare Balance.
 Add boat and weigh. Record "Boat Wt."
 Add the sample (2-10 g) to the boat and record "Wet Wt. + Boat Wt." (total).
 Dry in oven overnight @ 107° C.
 Tare Balance
 Return dish to toploader and record "Residue + Boat Wt."

AP Sample ID	Boat Wt. (g)	Wet Wt. + Boat Wt.	Chem/Date	Residue + Boat Wt. (g)	Chem/Date	Comments
007 A	1.35	5.09	WSS	3.28	VS	} TE VS 10-10-12
B	1.35	4.31	WSS	2.87	VS	} 19.24 19.39
C	1.33	5.08	WSS	3.27	VS	
008 A	1.35	5.20	WSS	3.31	VS	} TE VS 10-10-12 19.24
B	1.35	4.39	WSS	2.93	VS	} 20.20
C	1.34	5.32	WSS	3.45	VS	
009 A	1.33	4.24	WSS	2.77	VS	} 20.20
B	1.34	4.80	WSS	3.05	VS	
C	1.35	3.95	WSS	2.64	VS	
010 A	1.34	5.10	WSS	3.55	VS	} TE VS 10-10-12
B	1.35	5.56	WSS	3.87	VS	} 16.97
C	1.33	4.77	WSS	3.33	VS	
011 A	1.32	5.81	WSS	3.94	VS	} TE VS 10-10-12
B	1.36	5.83	WSS	4.01	VS	} 17.67 16.63
C	1.33	6.41	WSS	4.34	VS	} 16.96
			10/11/12		10-10-12	



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s: _____ A4722 _____

Comments: _____

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_001	1.34	4.9	3.12	50.00%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	6.23	3.7	48.26%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.35	3.7	2.49	48.51%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	4.9	3.12	50.00%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	6.23	3.7	48.26%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.35	3.7	2.49	48.51%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	4.9	3.12	50.00%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	6.23	3.7	48.26%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	6.23	3.7	48.26%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.35	3.7	2.49	48.51%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	6.23	3.7	48.26%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	6.23	3.7	48.26%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.35	3.7	2.49	48.51%	48.92%	1.92%		20.44	20.48	10.02



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_002	1.33	4.4	3.1	57.65%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.35	5.66	3.87	58.47%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.35	5.05	3.53	58.92%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.33	4.4	3.1	57.65%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.35	5.66	3.87	58.47%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.35	5.05	3.53	58.92%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.33	4.4	3.1	57.65%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.35	5.66	3.87	58.47%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.35	5.05	3.53	58.92%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.33	4.4	3.1	57.65%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.35	5.66	3.87	58.47%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.35	5.05	3.53	58.92%	58.35%	1.10%		17.14	17.15	10.01



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_003	1.34	4.13	2.75	50.54%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.34	5.98	3.69	50.65%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.34	4.13	2.75	50.54%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.34	5.98	3.69	50.65%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.32	3.74	2.55	50.83%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.32	3.74	2.55	50.83%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.34	4.13	2.75	50.54%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.34	5.98	3.69	50.65%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.32	3.74	2.55	50.83%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.34	4.13	2.75	50.54%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.34	5.98	3.69	50.65%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.32	3.74	2.55	50.83%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.34	4.13	2.75	50.54%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.34	5.98	3.69	50.65%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.32	3.74	2.55	50.83%	50.67%	0.29%		19.73	19.88	10.07



Wt. Volume Results for Extraction Batch 10216

Comments:

Batch Project #'s:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_004	1.34	5.57	3.92	60.99%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.36	4.81	3.48	61.45%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.35	4.97	3.57	61.33%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.34	5.57	3.92	60.99%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.36	4.81	3.48	61.45%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.35	4.97	3.57	61.33%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.34	5.57	3.92	60.99%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.36	4.81	3.48	61.45%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.35	4.97	3.57	61.33%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.36	4.81	3.48	61.45%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.35	4.97	3.57	61.33%	61.26%	0.39%		16.32	16.4	10.05



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_005	1.32	3.91	2.86	59.46%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.34	4.34	3.18	61.33%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.34	4.63	3.3	59.57%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.32	3.91	2.86	59.46%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.34	4.34	3.18	61.33%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.34	4.63	3.3	59.57%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.32	3.91	2.86	59.46%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.34	4.34	3.18	61.33%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.34	4.63	3.3	59.57%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.32	3.91	2.86	59.46%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.34	4.34	3.18	61.33%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.34	4.63	3.3	59.57%	60.12%	1.75%		16.63	16.76	10.08



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_006	1.33	4.89	3.01	47.19%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.34	4.64	2.94	48.48%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.35	4.93	3.09	48.60%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.33	4.89	3.01	47.19%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.34	4.64	2.94	48.48%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.35	4.93	3.09	48.60%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.33	4.89	3.01	47.19%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.34	4.64	2.94	48.48%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.35	4.93	3.09	48.60%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.33	4.89	3.01	47.19%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.34	4.64	2.94	48.48%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.35	4.93	3.09	48.60%	48.09%	1.63%		20.79	20.8	10

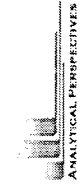


Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_007	1.35	5.09	3.28	51.60%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.35	4.31	2.87	51.35%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.33	5.08	3.27	51.73%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.35	5.09	3.28	51.60%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.35	4.31	2.87	51.35%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.33	5.08	3.27	51.73%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.35	5.09	3.28	51.60%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.35	4.31	2.87	51.35%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.33	5.08	3.27	51.73%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.35	5.09	3.28	51.60%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.35	4.31	2.87	51.35%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.33	5.08	3.27	51.73%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.35	5.09	3.28	51.60%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.35	4.31	2.87	51.35%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.33	5.08	3.27	51.73%	51.56%	0.37%		19.39	19.4	10

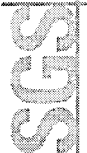


Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_008	1.35	5.2	3.31	50.91%	52.28%	32.22%	0.54	19.27	19.32	10.1
A4722_008	1.35	4.39	3.45	69.08%	52.28%	32.22%	0.54	19.27	19.32	10.1
A4722_008	1.34	5.32	2.76	35.68%	52.28%	32.22%	0.54	19.27	19.32	10.1
A4722_008	1.35	5.2	3.31	50.91%	52.28%	27.60%	0.62	18.76	19.32	10.1
A4722_008	1.35	4.39	3.45	69.08%	52.28%	27.60%	0.62	18.76	19.32	10.1
A4722_008	1.34	5.32	2.93	39.95%	52.28%	27.60%	0.62	18.76	19.32	10.1
A4722_008	1.35	5.2	3.31	50.91%	52.28%	2.03%		19.24	19.32	10.1
A4722_008	1.35	4.39	2.93	51.97%	52.28%	2.03%		19.24	19.32	10.1
A4722_008	1.34	5.32	3.45	53.02%	52.28%	2.03%		19.24	19.32	10.1
A4722_008	1.35	5.2	3.31	50.91%	52.28%	2.03%		19.24	19.32	10.1
A4722_008	1.35	4.39	2.93	51.97%	52.28%	2.03%		19.24	19.32	10.1
A4722_008	1.34	5.32	3.45	53.02%	52.28%	2.03%		19.24	19.32	10.1



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residuc+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_009	1.33	4.24	2.77	49.48%	51.45%	0.21%		20.2	20.22	10.4
A4722_009	1.34	4.8	3.05	49.42%	51.45%	0.21%		20.2	20.22	10.4
A4722_009	1.35	3.95	2.64	49.62%	51.45%	0.21%		20.2	20.22	10.4
A4722_009	1.33	4.24	3.45	72.85%	51.45%	23.51%	0.99	17.45	20.22	10.4
A4722_009	1.34	4.8	3.05	49.42%	51.45%	23.51%	0.99	17.45	20.22	10.4
A4722_009	1.35	3.95	2.64	49.62%	51.45%	23.51%	0.99	17.45	20.22	10.4
A4722_009	1.33	4.24	2.77	49.48%	51.45%	0.21%		20.2	20.22	10.4
A4722_009	1.34	4.8	3.05	49.42%	51.45%	0.21%		20.2	20.22	10.4
A4722_009	1.35	3.95	2.64	49.62%	51.45%	0.21%		20.2	20.22	10.4
A4722_009	1.33	4.24	2.77	49.48%	51.45%	0.21%		20.2	20.22	10.4
A4722_009	1.34	4.8	3.05	49.42%	51.45%	0.21%		20.2	20.22	10.4
A4722_009	1.35	3.95	2.64	49.62%	51.45%	0.21%		20.2	20.22	10.4



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qrest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_010	1.34	5.1	3.55	58.78%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.35	5.56	3.87	59.86%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.33	4.77	3.33	58.14%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.34	5.1	3.55	58.78%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.35	5.56	3.87	59.86%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.33	4.77	3.33	58.14%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.34	5.1	3.55	58.78%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.35	5.56	3.87	59.86%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.33	4.77	3.33	58.14%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.35	5.56	3.87	59.86%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.33	4.77	3.33	58.14%	58.93%	1.48%		16.97	17.04	10.04



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_011	1.32	5.81	3.94	58.35%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.36	5.83	4.01	59.28%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.33	6.41	4.34	59.25%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.32	5.81	3.94	58.35%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.36	5.83	4.01	59.28%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.33	6.41	4.34	59.25%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.32	5.81	3.94	58.35%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.36	5.83	4.01	59.28%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.33	6.41	4.34	59.25%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.32	5.81	3.94	58.35%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.36	5.83	4.01	59.28%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.33	6.41	4.34	59.25%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.32	5.81	3.94	58.35%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.36	5.83	4.01	59.28%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.33	6.41	4.34	59.25%	58.96%	0.90%		16.96	16.99	10.02



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

*Duplicate of 005
18-OCT-12 ARB*

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_012	1.32	3.91	2.86	59.46%	57.49%	1.75%		16.63	16.67	9.58
A4722_012	1.34	4.34	3.18	61.33%	57.49%	1.75%		16.63	16.67	9.58
A4722_012	1.34	4.63	3.3	59.57%	57.49%	1.75%		16.63	16.67	9.58
A4722_012	1.32	3.91	2.86	59.46%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.34	4.64	3.18	55.76%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.34	4.93	3.3	54.60%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.32	3.91	2.86	59.46%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.34	4.64	3.18	55.76%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.34	4.93	3.3	54.60%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.32	3.91	2.86	59.46%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.34	4.64	3.18	55.76%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.34	4.93	3.3	54.60%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.32	3.91	2.86	59.46%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.34	4.64	3.18	55.76%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.34	4.93	3.3	54.60%	57.49%	4.48%		17.67	16.67	9.58

Project # A4722 Batch # 10216

Inter-Department Communication Sheet

* MB was taken low on 16000, MA 10/16/12

* NO, OPA, OOL + OOB per portion sulfur treated, MA 10/16/12

18-OCT-12 Per instructions; Sample 012 is dup of 005
90 solid sheets created by LIMS have incorrect/duplicate
entries. Corrected manually by JSS

Sample 003 needs to be re-extracted. due to low ES recoveries in the
D/E extract NO 22oct 12

Special Instructions

11 samples M1613, 4 samples for 1668A

5500 spikes, OPR

%solids, report on dry-weight basis

Analytical Perspectives - Injection Log

Run file: 121019P1
 MS Method: DF_CL4-8B
 GC Column: DB5
 GC Method: DB5MS_60M

Data file	S#	Vial#	Lab ID	Sample ID (Chrom. Text)	Analyst	Acq date	Acq time
121019P1	1	8	CS3_121019_DF_PA	CS3_121019_DF_PA S40-67B 1	MDC		
121019P1	2	32	OPR1_10216_DF	OPR1_10216_DF	MDC		
121019P1	3	15	SBS_121019_DF_PA	SBS_121019_DF_PA solvent blank 1	MDC		
121019P1	4	31	MB1_10216_DF_SDS	MB1_10216_DF_SDS	MDC		
121019P1	5	33	A4722_10216_DF_001	A4722_10216_DF_001 JW-EA09-SS35-120507 10.02	MDC		
121019P1	6	34	A4722_10216_DF_002	A4722_10216_DF_002 JW-EA09-SS34-120507 10.01	MDC		
121019P1	7	35	A4722_10216_DF_003	A4722_10216_DF_003 JW-EA08-SS32-120507 10.07	MDC		
121019P1	8	36	A4722_10216_DF_004	A4722_10216_DF_004 JW-EA09-SS36-120507 10.05	MDC		
121019P1	9	37	A4722_10216_DF_005	A4722_10216_DF_005 JW-EA08-SS31-120507 10.08	MDC		
121019P1	10	38	A4722_10216_DF_006	A4722_10216_DF_006 JW-EA08-SS29-120507 10.00	MDC		
121019P1	11	15	SBS_121019_DF_PB	SBS_121019_DF_PB solvent blank 1	MDC		
121019P1	12	8	CS3_121019_DF_PB	CS3_121019_DF_PB S40-67B 1	MDC		

OK owl 22 Oct 12

Analytical Perspectives - Injection Log

Run file: 121019P2
 MS Method: DF_CL4-8B
 GC Column: DB5
 GC Method: DB5MS_60M

Data file S#	Vial#	Lab ID	Sample ID (Chrom. Text)	Analyst	Acq date	Acq time
121019P2	1	SBS_121019_DF_PC	SBS_121019_DF_PC solvent blank 1	MDC		
121019P2	2	A4722_10216_DF_007	A4722_10216_DF_007 JW-EA07-SS27-120507	MDC	10.00	
121019P2	3	A4722_10216_DF_008	A4722_10216_DF_008 JW-EA09-SS33-120507	MDC	10.04	
121019P2	4	A4722_10216_DF_009	A4722_10216_DF_009 JW-EA08-SS30-120507	MDC	10.01	
121019P2	5	A4722_10216_DF_010	A4722_10216_DF_010 JW-EA07-SS28-120507	MDC	10.04	
121019P2	6	A4722_10216_DF_011	A4722_10216_DF_011 JW-EA07-SS26-120507	MDC	10.02	
121019P2	7	A4722_10216_DF_012	A4722_10216_DF_012 JW-EA08-SS131-120507	MDC	10.02	
121019P2	8	SBS_121019_DF_PD	SBS_121019_DF_PD solvent blank 1	MDC		
121019P2	9	CS3_121019_DF_PC	CS3_121019_DF_PC S40-67B 1	MDC		

OK out 22 Oct 12

Sample List Report

MassLynx 4.1 SCN 881

Sample List: C:\MassLynx\Default.pro\Sampledb\mm7-12-10-17-pcb.SPL
Last Modified: Wednesday, October 17, 2012 11:58:59 Eastern Daylight Time
Printed: Wednesday, October 17, 2012 13:07:01 Eastern Daylight Time

File Name	Lab ID	Sample ID	MS File	Inlet File	Vial #	User	Task (=Expt.)	Conditions (=GC prog)	Inj. Vol.
1 121017X01	CS3_121017_PCB_XA	RETCON S40-92	pcb-2012-01	pcb90_a	Tray1:06	* LKB	pcb-2012-01	pcb90_a	1.000000
2 121017X02	OPR1_10216_PCB	0_10216_OPR001	pcb-2012-01	pcb90_a	Tray1:19	-LKB	pcb-2012-01	pcb90_a	1.000000
3 121017X03	SBS_121017_PCB_XA	SIL 9-41-1	pcb-2012-01	pcb90_a	Tray1:02	-LKB	pcb-2012-01	pcb90_a	1.000000
4 121017X04	MB1_10216_PCB_SDS	Method Blank	pcb-2012-01	pcb90_a	Tray1:20	LKB	pcb-2012-01	pcb90_a	1.000000
5 121017X05	A4722_10216_PCB_001	JW-EA09-SS35-120507	pcb-2012-01	pcb90_a	Tray1:21	LKB	pcb-2012-01	pcb90_a	1.000000
6 121017X06	A4722_10216_PCB_002	JW-EA09-SS34-120507	pcb-2012-01	pcb90_a	Tray1:22	LKB	pcb-2012-01	pcb90_a	1.000000
7 121017X07	A4722_10216_PCB_004	JW-EA09-SS36-120507	pcb-2012-01	pcb90_a	Tray1:23	LKB	pcb-2012-01	pcb90_a	1.000000
8 121017X08	A4722_10216_PCB_008	JW-EA09-SS33-120507	pcb-2012-01	pcb90_a	Tray1:24	LKB	pcb-2012-01	pcb90_a	1.000000
9 121017X09	SBS_121017_PCB_XB	SIL 9-41-1	pcb-2012-01	pcb90_a	Tray1:02	LKB	pcb-2012-01	pcb90_a	1.000000

Handwritten notes:
 JMW
 16 Oct 12
 17 Oct 12
 11:57.12

Batch Summary

Analytical Method: EPA 1613B

Prep Method: EPA 1613 PREP S/D/T

Prep Batch: HXX1857

Prep Date: 10/22/2012 00:00

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Analysis Date</u>	<u>Analytical Batch</u>	<u>Instrument</u>	<u>Analyst</u>
OPR for HBN 31093 [HXX/1857]	97484	10/27/2012 14:25	HRD1904	APHRMS	MDC
LMB for HBN 31093 [HXX/1857]	97483	10/27/2012 16:59	HRD1904	APHRMS	MDC
JW-EA08-SS32-120507	31203249007	10/27/2012 17:50	HRD1904	APHRMS	MDC
JW-EA08-SS32-120507	31203249007	10/31/2012 19:33	HRD1912	HRMS3	JHL

Method Blank Summary

Blank ID: LMB for HBN 31093 [HXX/1857]
 Blank Lab ID: 97483
 QC for Samples:
 31203249007

Matrix: Soil-Solid as dry weight

Results by EPA 1613B

Parameter	Result	EMPC	Qual	DL	LOQ/CL	Units	RT	Ratio
2,3,7,8-TCDD	ND		U	0.0850	0.500	pg/g		
1,2,3,7,8-PeCDD	ND		U	0.0945	2.50	pg/g		
1,2,3,4,7,8-HxCDD	ND		U	0.117	2.50	pg/g		
1,2,3,6,7,8-HxCDD	ND		U	0.129	2.50	pg/g		
1,2,3,7,8,9-HxCDD	ND		U	0.124	2.50	pg/g		
1,2,3,4,6,7,8-HpCDD	ND		U	0.180	2.50	pg/g		
OCDD	ND		U	0.306	5.00	pg/g		
2,3,7,8-TCDF	ND		U	0.0670	0.500	pg/g		
1,2,3,7,8-PeCDF	ND		U	0.0831	2.50	pg/g		
2,3,4,7,8-PeCDF	ND		U	0.0824	2.50	pg/g		
1,2,3,4,7,8-HxCDF	ND		U	0.103	2.50	pg/g		
1,2,3,6,7,8-HxCDF	ND		U	0.0903	2.50	pg/g		
2,3,4,6,7,8-HxCDF	ND		U	0.0960	2.50	pg/g		
1,2,3,7,8,9-HxCDF	ND		U	0.155	2.50	pg/g		
1,2,3,4,6,7,8-HpCDF	ND		U	0.108	2.50	pg/g		
1,2,3,4,7,8,9-HpCDF	ND		U	0.160	2.50	pg/g		
OCDF	ND		U	0.222	5.00	pg/g		
Total TCDD	ND		U	0.0850	0.500	pg/g		
Total TCDF	ND		U	0.0670	0.500	pg/g		
Total PeCDD	ND		U	0.0945	2.50	pg/g		
Total PeCDF	ND		U	0.0828	2.50	pg/g		
Total HxCDD	ND		U	0.124	2.50	pg/g		
Total HxCDF	ND		U	0.108	2.50	pg/g		
Total HpCDD	ND		U	0.180	2.50	pg/g		
Total HpCDF	ND		U	0.131	2.50	pg/g		

Labeled Standards

13C-2378-TCDD	146				25.0-164	%		
13C-12378-PeCDD	137				25.0-181	%		
13C-123478-HxCDD	89.0				32.0-141	%		
13C-123678-HxCDD	85.0				28.0-130	%		
13C-1234678-HpCDD	89.0				23.0-140	%		
13C-OCDD	81.0				17.0-157	%		
13C-2378-TCDF	130				24.0-169	%		
13C-12378-PeCDF	127				24.0-185	%		
13C-23478-PeCDF	128				21.0-178	%		
13C-123478-HxCDF	79.0				26.0-152	%		
13C-123678-HxCDF	88.0				26.0-123	%		
13C-234678-HxCDF	83.0				29.0-147	%		
13C-123789-HxCDF	74.0				28.0-136	%		

Method Blank Summary

Blank ID: LMB for HBN 31093 [HXX/1857]
 Blank Lab ID: 97483
 QC for Samples:
 31203249007

Matrix: Soil-Solid as dry weight

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
13C-1234678-HpCDF	79.0				28.0-143	%		
13C-1234789-HpCDF	78.0				26.0-138	%		
37Cl-2378-TCDD	168				35.0-197	%		

Batch Information

Analytical Batch: **HRD1904**
 Analytical Method: **EPA 1613B**
 Instrument: **APHRMS**
 Analyst: **MDC**
 Analytical Date/Time: **10/27/2012 16:59**

Prep Batch: **HXX1857**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/22/2012 00:00**
 Prep Initial Wt./Vol.: **10 g**
 Prep Extract Vol: **20 uL**

Lab ID: MB1_10270_DF_SDS
 Client ID: MB1_10270_DF_SDS
 Datafile: 121026P4-06

Acq'd: 27 Oct 2012 16:59 MDC
 UTP: 28-Oct-2012 08:38 MDC
 Report: 28 Oct 2012 08:38 MC

Wt/Vol: 10.00 g
 J-level: 0.5 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37Cl)
 ICAL: 1613_SGS
 Checkcode: 117-058-RTM



Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.08	-	628	0.085
2378-PeCDD	NotFnd		1.0006	-		-	-	-	1.07	-	576	0.0945
23478-HxCDD	NotFnd		1.0004	-		-	-	-	1.05	-	667	0.117
123678-HxCDD	NotFnd		1.0039	-		-	-	-	0.98	-	667	0.129
123789-HxCDD	NotFnd		1.0129	-		-	-	-	1.01	-	667	0.124
1234678-HpCDD	NotFnd		1.0005	-		-	-	-	1.09	-	876	0.18
OCDD	NotFnd		1.0005	-		-	-	-	1.11	-	789	0.306
2378-TCDF	NotFnd		1.0009	-		-	-	-	0.98	-	630	0.067
12378-PeCDF	NotFnd		1.0007	-		-	-	-	0.99	-	748	0.0831
23478-PeCDF	NotFnd		1.0006	-		-	-	-	1.02	-	748	0.0824
123478-HxCDF	NotFnd		1.0006	-		-	-	-	1.19	-	774	0.103
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.16	-	774	0.0903
234678-HxCDF	NotFnd		1.0006	-		-	-	-	1.18	-	774	0.096
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.09	-	774	0.155
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.35	-	771	0.108
1234789-HpCDF	NotFnd		1.0004	-		-	-	-	1.34	-	771	0.16
OCDF	NotFnd		1.0057	-		-	-	-	1.40	-	720	0.222
Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %			
ES 2378-TCDD	27.51	1.0281	1.0281	0	1.69E+07	0.79	Y	1.04	146			
ES 12378-PeCDD	33.82	1.2639	1.2640	+0.2	1.32E+07	1.64	Y	0.87	137			
ES 123478-HxCDD	38.47	0.9876	0.9875	-0.2	1.14E+07	1.33	Y	0.94	89.5			
ES 123678-HxCDD	38.60	0.9910	0.9909	-0.2	1.22E+07	1.27	Y	1.06	84.9			
ES 1234678-HpCDD	42.64	1.0943	1.0946	+0.7	9.69E+06	1.06	Y	0.80	89.4			
ES OCDD	46.40	1.1907	1.1910	+0.7	1.39E+07	0.92	Y	0.63	81.1			
ES 2378-TCDF	26.51	0.9907	0.9909	+0.3	2.51E+07	0.79	Y	1.74	130			
ES 12378-PeCDF	32.09	1.1992	1.1992	0	2.10E+07	1.57	Y	1.49	127			
ES 23478-PeCDF	33.41	1.2484	1.2485	+0.2	2.10E+07	1.57	Y	1.48	128			
ES 123478-HxCDF	37.30	0.9577	0.9575	-0.5	1.36E+07	0.52	Y	1.27	78.6			
ES 123678-HxCDF	37.47	0.9619	0.9618	-0.2	1.68E+07	0.53	Y	1.41	87.6			
ES 234678-HpCDF	38.25	0.9821	0.9819	-0.5	1.52E+07	0.51	Y	1.34	83.4			
ES 123789-HxCDF	39.38	1.0108	1.0109	+0.2	1.21E+07	0.54	Y	1.20	74.2			
ES 1234678-HpCDF	41.36	1.0618	1.0619	+0.2	1.13E+07	0.44	Y	1.06	78.7			
ES 1234789-HpCDF	43.25	1.1100	1.1102	+0.5	8.70E+06	0.45	Y	0.82	78			

Lab ID: MB1_10270_DF_SDS Acq'd: 27 Oct 2012 16:59 MDC Wt/Vol: 10.00 g ICAL: 1613_SGS
 Client ID: MB1_10270_DF_SDS UTP: 28-Oct-2012 08:38 MDC J-level: 0.5 pg/g Split: 1 Checkcode: 117-058-RTM
 Datafile: 121026P4-06 Report: 28 Oct 2012 08:38 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

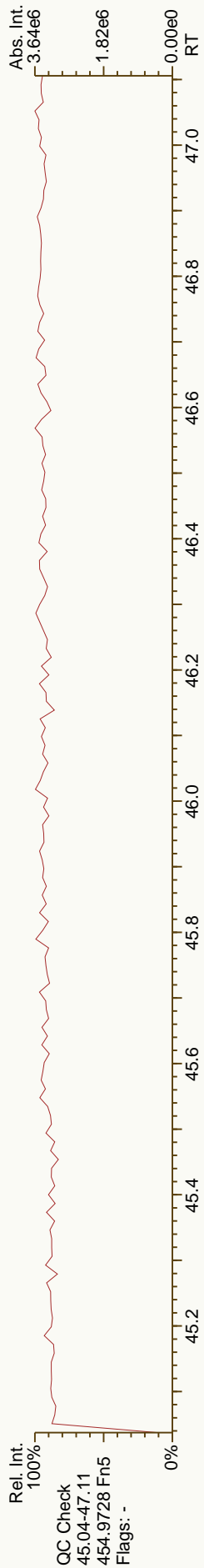
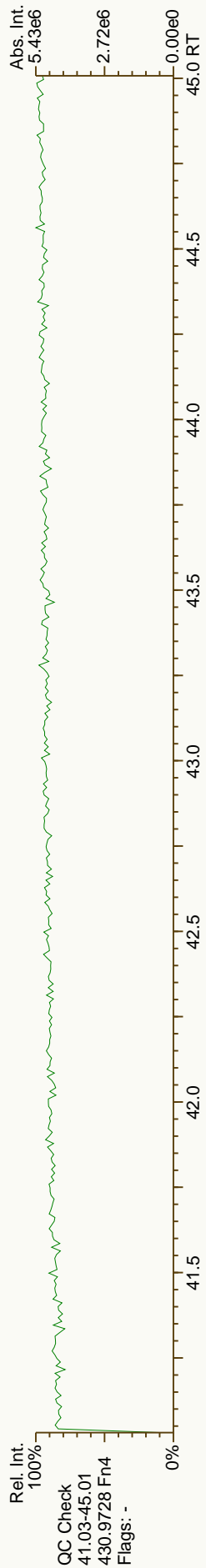
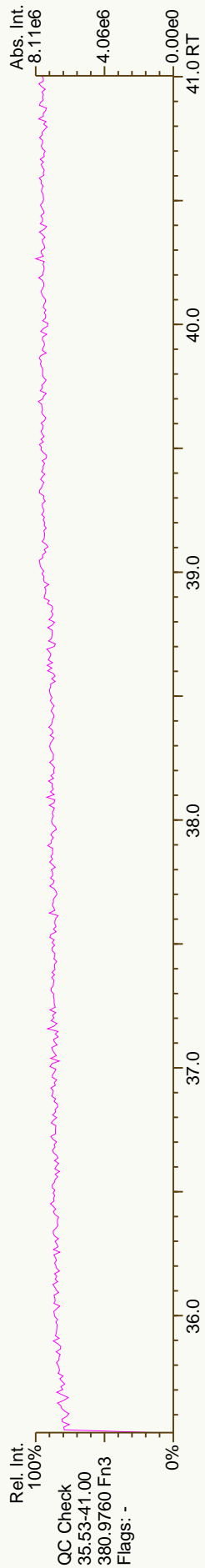
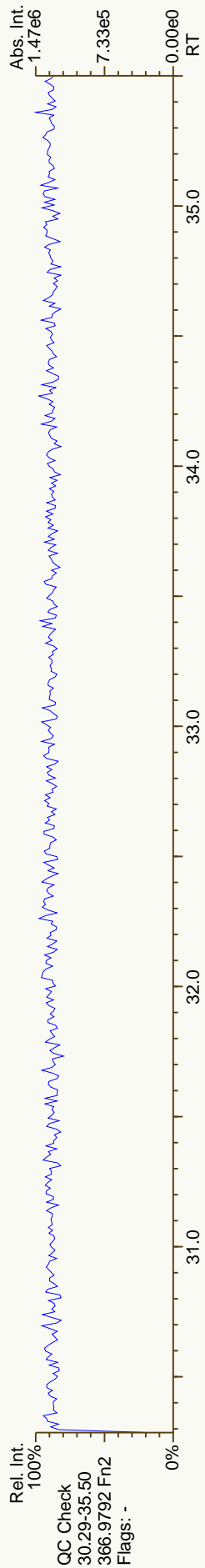
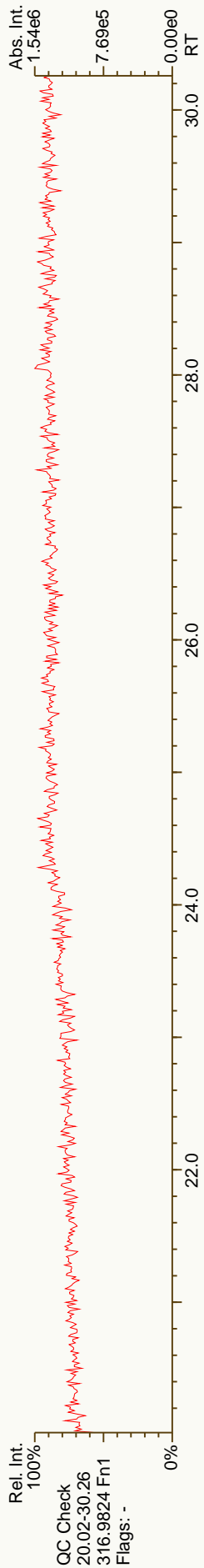
W#	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	TCDD	NotFnd		0.8504				1.08				628	0.085
2	TCDD	NotFnd		0.8649				1.08				628	0.085
3	TCDD	NotFnd		0.8835				1.08				628	0.085
4	TCDD	NotFnd		0.9152				1.08				628	0.085
	TCDD	NotFnd		0.9241				1.08				628	0.085
	TCDD	NotFnd		0.9327				1.08				628	0.085
	TCDD	NotFnd		0.9408				1.08				628	0.085
	TCDD	NotFnd		0.9512				1.08				628	0.085
	TCDD	NotFnd		0.9580				1.08				628	0.085
	TCDD	NotFnd		0.9736				1.08				628	0.085
	TCDD	NotFnd		0.9785				1.08				628	0.085
	TCDD	NotFnd		0.9884				1.08				628	0.085
	TCDD	NotFnd		0.9945				1.08				628	0.085
	2378-TCDD	NotFnd		1.0009				1.08				628	0.085
	TCDD	NotFnd		1.0147				1.08				628	0.085
	TCDD	NotFnd		1.0206				1.08				628	0.085
	TCDD	NotFnd		1.0423				1.08				628	0.085
	TCDD	NotFnd		0.9131				1.07				576	0.0945
	TCDD	NotFnd		0.9319				1.07				576	0.0945
	TCDD	NotFnd		0.9511				1.07				576	0.0945
	TCDD	NotFnd		0.9576				1.07				576	0.0945
	TCDD	NotFnd		0.9611				1.07				576	0.0945
	TCDD	NotFnd		0.9703				1.07				576	0.0945
	TCDD	NotFnd		0.9829				1.07				576	0.0945
	12378-PeCDD	NotFnd		1.0006				1.07				576	0.0945
	PeCDD	NotFnd		1.0039				1.07				576	0.0945
	PeCDD	NotFnd		1.0161				1.07				576	0.0945
	HxCDD	NotFnd		0.9479				1.01				667	0.124
	HxCDD	NotFnd		0.9682				1.01				667	0.124
	HxCDD	NotFnd		0.9771				1.01				667	0.124
	HxCDD	NotFnd		0.9811				1.01				667	0.124
	123478-HxCDD	NotFnd		1.0004				1.05				667	0.117
	123678-HxCDD	NotFnd		1.0039				0.98				667	0.129
	HxCDD	NotFnd		1.0097				1.01				667	0.124
	123789-HxCDD	NotFnd		1.0129				1.01				667	0.124

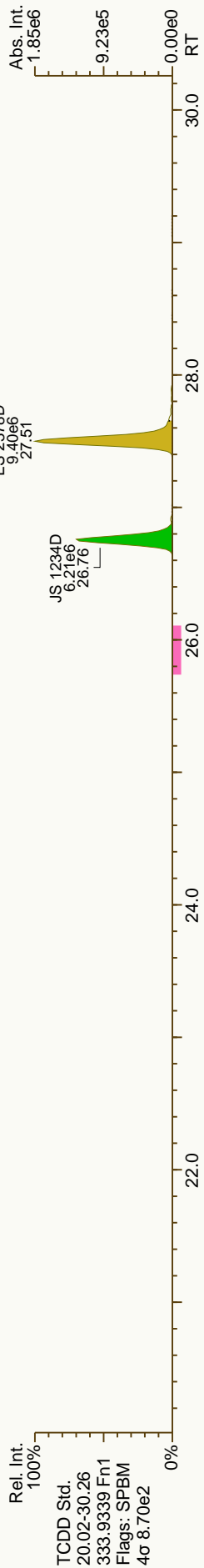
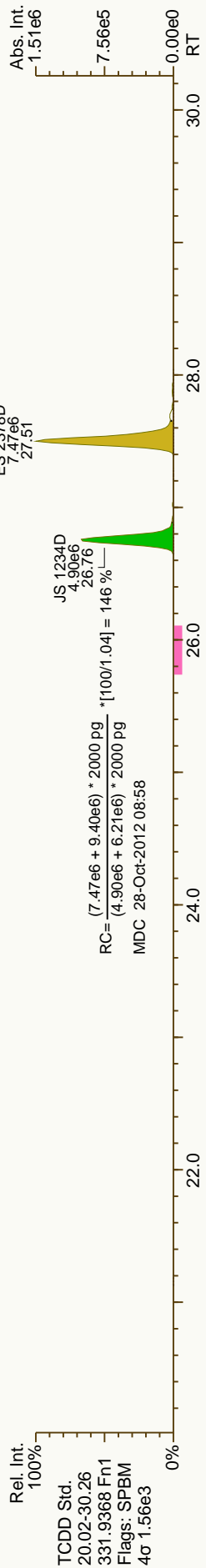
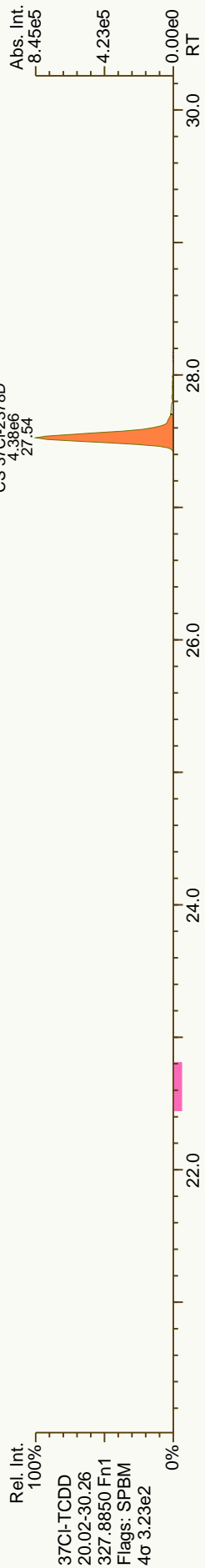
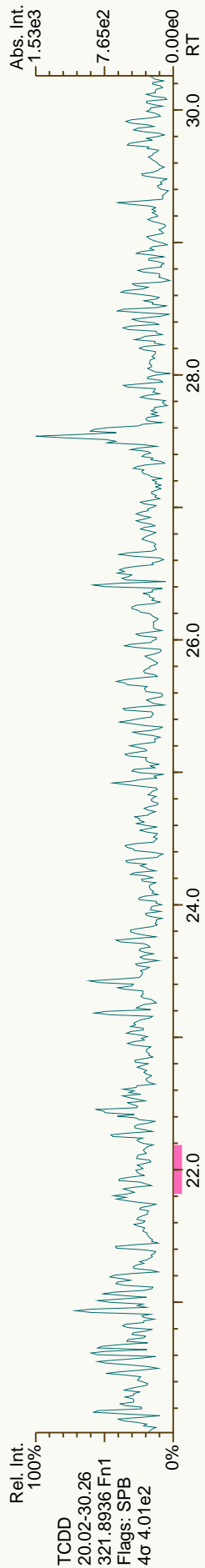
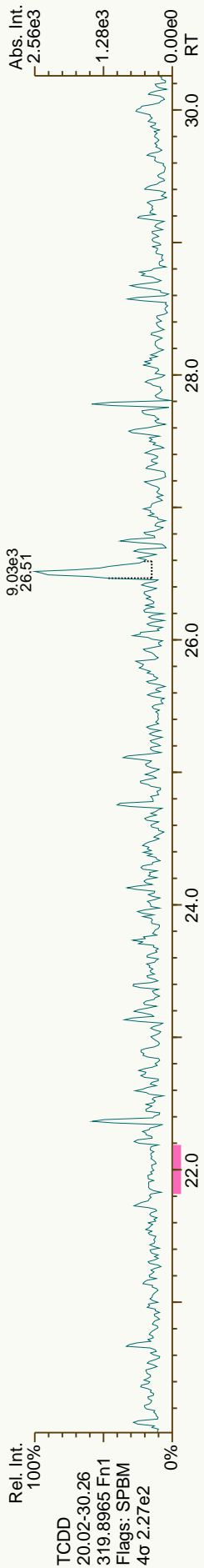
Lab ID: MB1_10270_DF_SDS Acq'd: 27 Oct 2012 16:59 MDC Wt/Vol: 10.00 g ICAL: 1613_SGS
 Client ID: MB1_10270_DF_SDS UTP: 28-Oct-2012 08:38 MDC J-level: 0.5 pg/g Split: 1 Checkcode: 117-058-RTM
 Datafile: 121026P4-06 Report: 28 Oct 2012 08:38 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

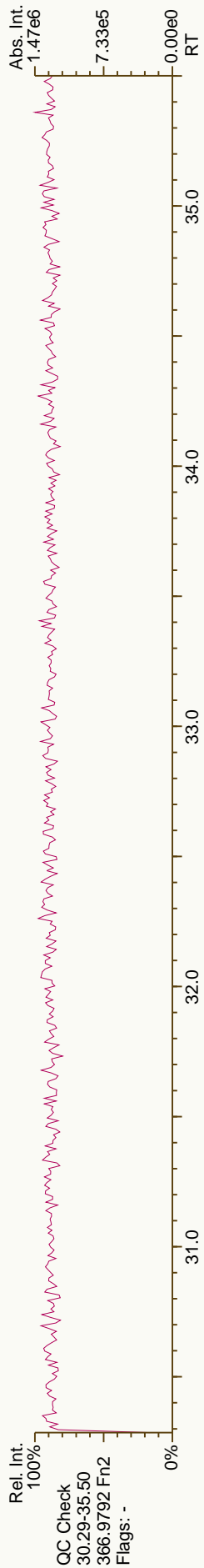
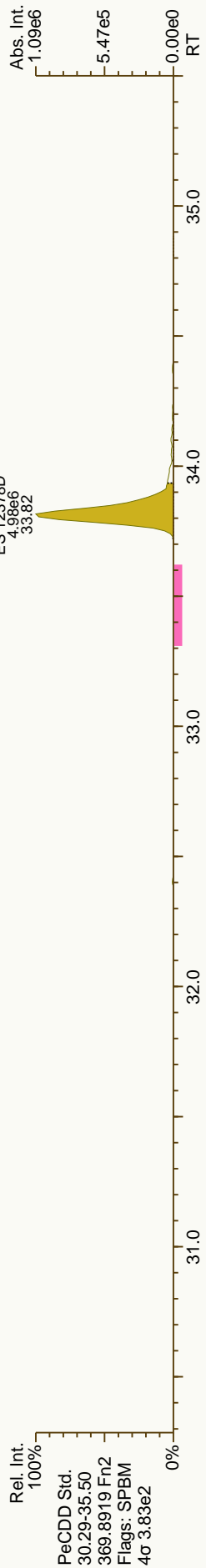
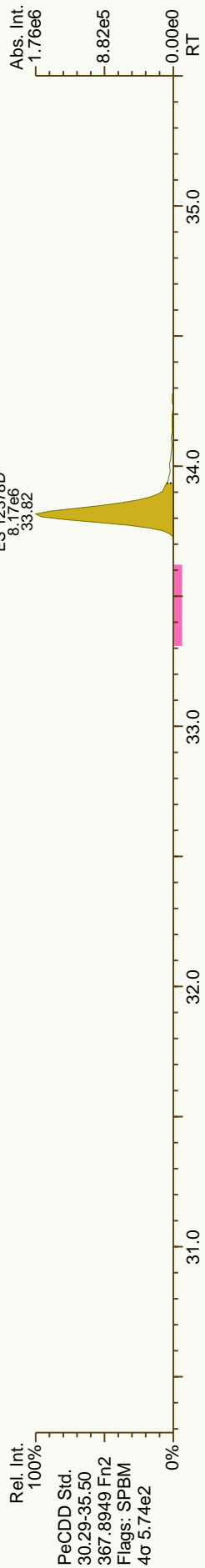
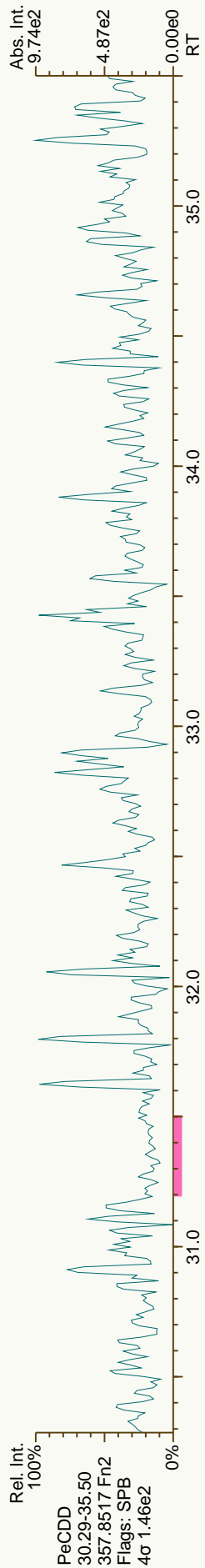
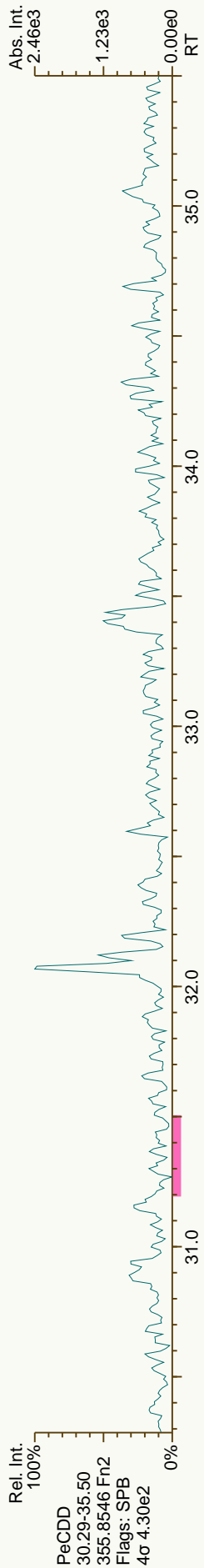
W#	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	gHpCDD	NotFnd		0.9793				1.09				876	0.18
2	234678-HpCDD	NotFnd		1.0005				1.09				876	0.18
3	OCDD	NotFnd		1.0005				1.11				789	0.306
4	OCDD-a	NotFnd		1.0001				1.00				555	0.238
5	TCDF	NotFnd		0.7983				0.98				630	0.067
6	TCDF	NotFnd		0.8218				0.98				630	0.067
7	TCDF	NotFnd		0.8463				0.98				630	0.067
8	TCDF	NotFnd		0.8625				0.98				630	0.067
9	TCDF	NotFnd		0.8677				0.98				630	0.067
10	TCDF	NotFnd		0.8787				0.98				630	0.067
11	TCDF	NotFnd		0.8840				0.98				630	0.067
12	TCDF	NotFnd		0.8998				0.98				630	0.067
13	TCDF	NotFnd		0.9054				0.98				630	0.067
14	TCDF	NotFnd		0.9125				0.98				630	0.067
15	TCDF	NotFnd		0.9279				0.98				630	0.067
16	TCDF	NotFnd		0.9334				0.98				630	0.067
17	TCDF	NotFnd		0.9381				0.98				630	0.067
18	TCDF	NotFnd		0.9439				0.98				630	0.067
19	TCDF	NotFnd		0.9630				0.98				630	0.067
20	TCDF	NotFnd		0.9674				0.98				630	0.067
21	TCDF	NotFnd		0.9746				0.98				630	0.067
22	TCDF	NotFnd		0.9829				0.98				630	0.067
23	TCDF	NotFnd		0.9916				0.98				630	0.067
24	TCDF	NotFnd		0.9963				0.98				630	0.067
25	2378-TCDF	NotFnd		1.0009				0.98				630	0.067
26	TCDF	NotFnd		1.0166				0.98				630	0.067
27	TCDF	NotFnd		1.0274				0.98				630	0.067
28	TCDF	NotFnd		1.0390				0.98				630	0.067
29	TCDF	NotFnd		1.0886				0.98				630	0.067
30	PeCDF	NotFnd		0.8975				1.00				1031	0.114
31	PeCDF	NotFnd		0.9542				1.00				748	0.0828
32	PeCDF	NotFnd		0.9587				1.00				748	0.0828
33	PeCDF	NotFnd		0.9636				1.00				748	0.0828
34	PeCDF	NotFnd		0.9671				1.00				748	0.0828
35	PeCDF	NotFnd		0.9760				1.00				748	0.0828
36	PeCDF	NotFnd		0.9810				1.00				748	0.0828

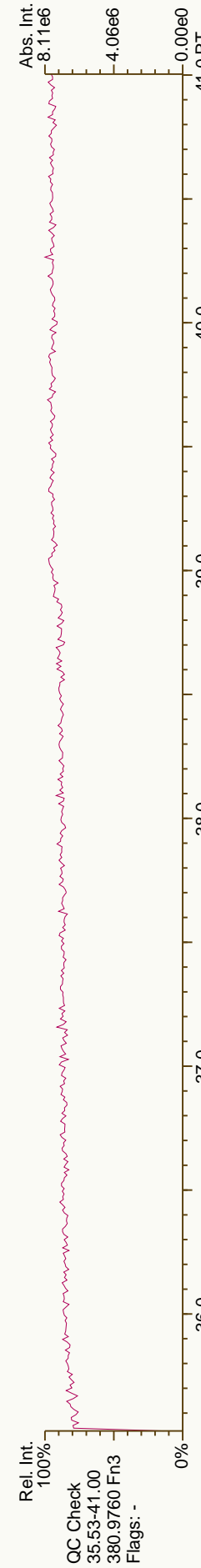
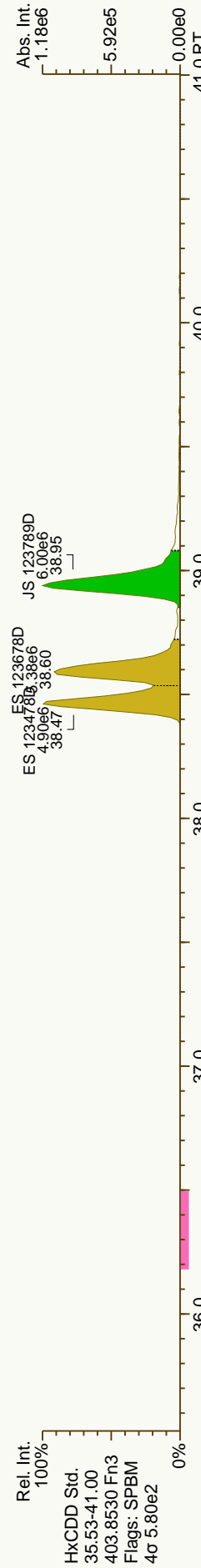
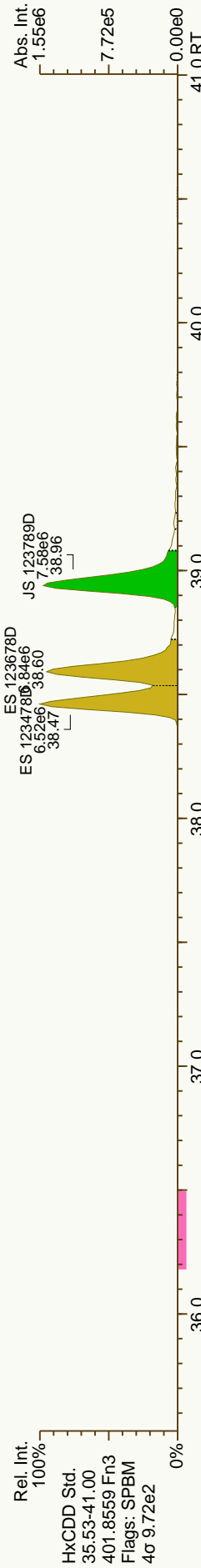
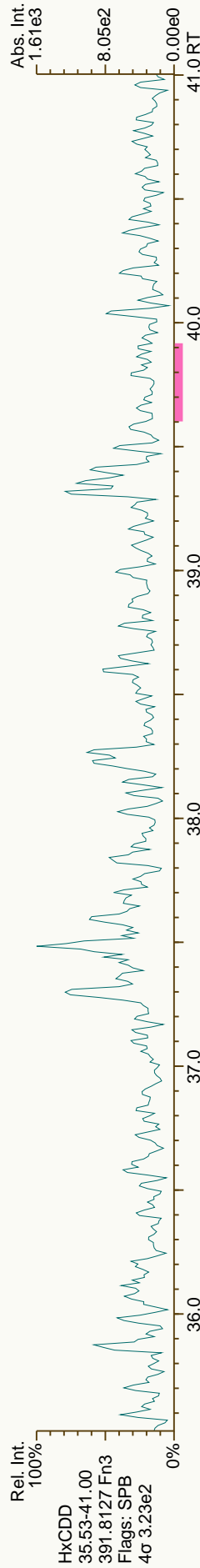
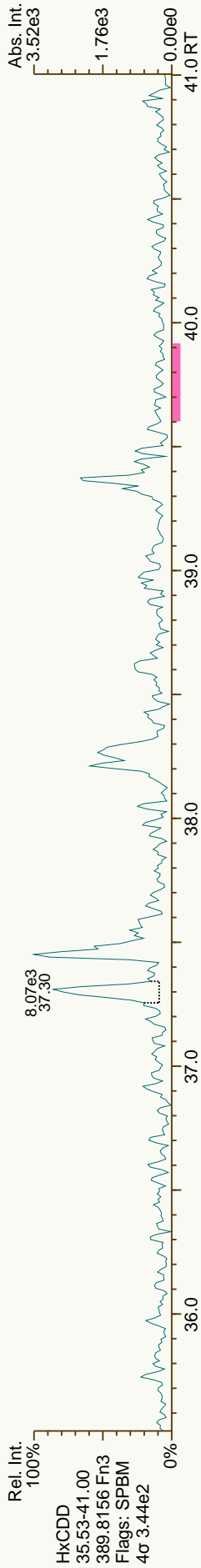
Lab ID: MB1_10270_DF_SDS Acq'd: 27 Oct 2012 16:59 MDC Wt/Vol: 10.00 g ICAL: 1613_SGS
 Client ID: MB1_10270_DF_SDS UTP: 28-Oct-2012 08:38 MDC J-level: 0.5 pg/g Split: 1 Checkcode: 117-058-RTM
 Datafile: 121026P4-06 Report: 28 Oct 2012 08:38 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

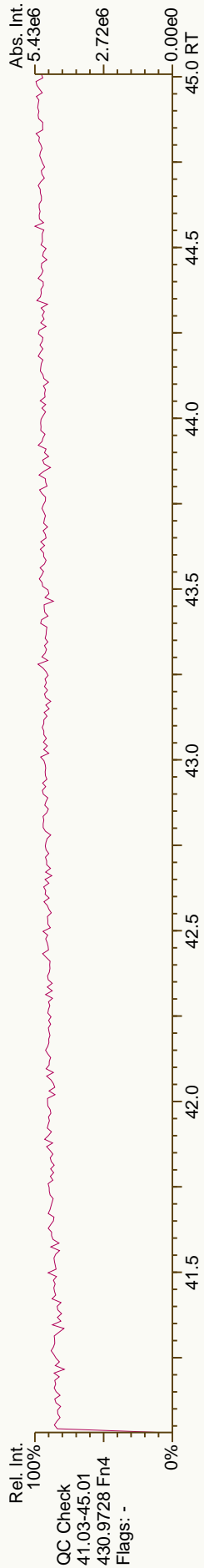
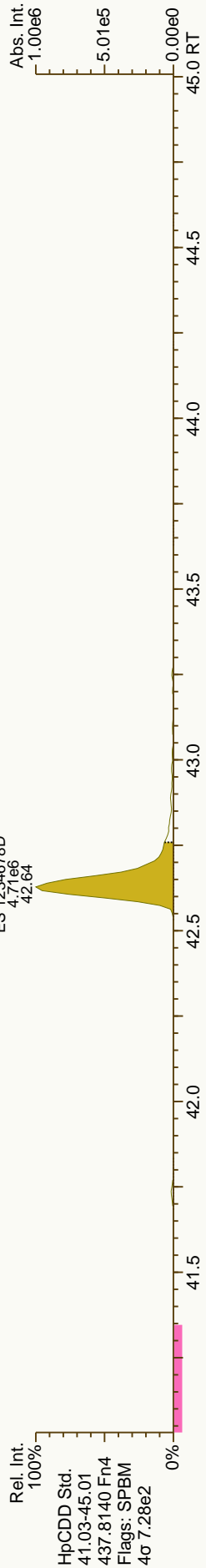
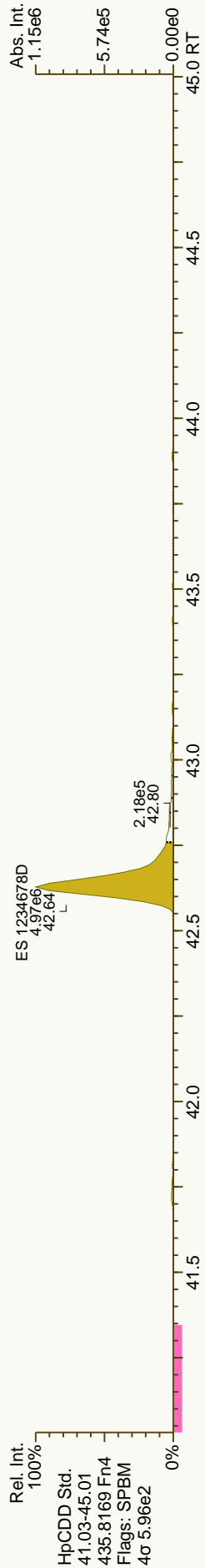
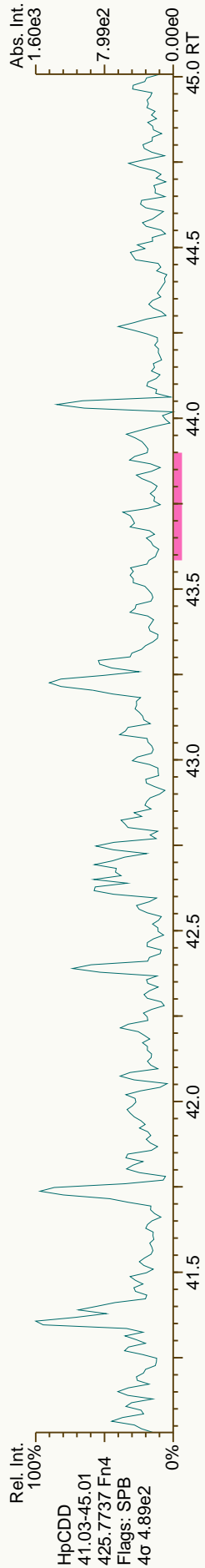
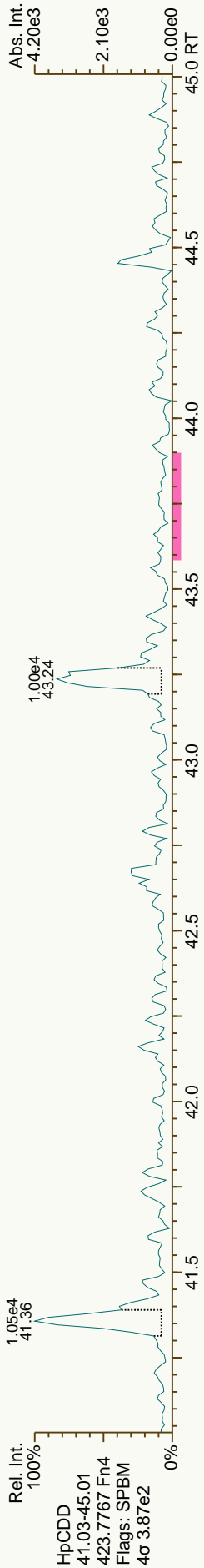
Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	PeCDF	NotFnd		0.9847				1.00		1.00		748	0.0828
2	PeCDF	NotFnd		0.9870				1.00		1.00		748	0.0828
3	PeCDF	NotFnd		0.9930				1.00		1.00		748	0.0828
4	12378-PeCDF	NotFnd		1.0007				0.99		0.99		748	0.0831
5	PeCDF	NotFnd		1.0113				1.00		1.00		748	0.0828
6	PeCDF	NotFnd		1.0169				1.00		1.00		748	0.0828
7	PeCDF	NotFnd		0.9917				1.00		1.00		748	0.0828
8	PeCDF	NotFnd		0.9962				1.00		1.00		748	0.0828
9	23478-PeCDF	NotFnd		1.0006				1.02		1.02		748	0.0824
10	PeCDF	NotFnd		0.0000				1.02		1.02		0	0
11	PeCDF	NotFnd		1.0023				1.00		1.00		748	0.0828
12	PeCDF	NotFnd		1.0120				1.00		1.00		748	0.0828
13	PeCDF	NotFnd		1.0389				1.00		1.00		748	0.0828
14	HxCDF	NotFnd		0.9565				1.15		1.15		774	0.108
15	HxCDF	NotFnd		0.9627				1.15		1.15		774	0.108
16	HxCDF	NotFnd		0.9700				1.15		1.15		774	0.108
17	HxCDF	NotFnd		0.9762				1.15		1.15		774	0.108
18	HxCDF	NotFnd		0.9833				1.15		1.15		774	0.108
19	HxCDF	NotFnd		0.9968				1.15		1.15		774	0.108
20	123478-HxCDF	NotFnd		1.0006				1.19		1.19		774	0.103
21	123678-HxCDF	NotFnd		1.0005				1.16		1.16		774	0.0903
22	HxCDF	NotFnd		1.0055				1.15		1.15		774	0.108
23	HxCDF	NotFnd		1.0102				1.15		1.15		774	0.108
24	HxCDF	NotFnd		0.9933				1.15		1.15		774	0.108
25	234678-HxCDF	NotFnd		1.0006				1.18		1.18		774	0.096
26	HxCDF	NotFnd		0.0000				1.18		1.18		0	0
27	HxCDF	NotFnd		1.0009				1.15		1.15		774	0.108
28	123789-HxCDF	NotFnd		1.0005				1.09		1.09		774	0.155
29	HxCDF	NotFnd		0.0000				1.09		1.09		0	0
30	123489-HxCDF	NotFnd		1.0013				1.15		1.15		774	0.108
31	1234678-HpCDF	NotFnd		1.0004				1.35		1.35		771	0.108
32	HpCDF	NotFnd		1.0091				1.34		1.34		771	0.131
33	HpCDF	NotFnd		1.0140				1.34		1.34		771	0.131
34	1234789-HpCDF	NotFnd		1.0004				1.34		1.34		771	0.16
35	OCDF	NotFnd		1.0057				1.40		1.40		720	0.222
36	OCDF-a	NotFnd		1.0053				1.00		1.00		536	0.23

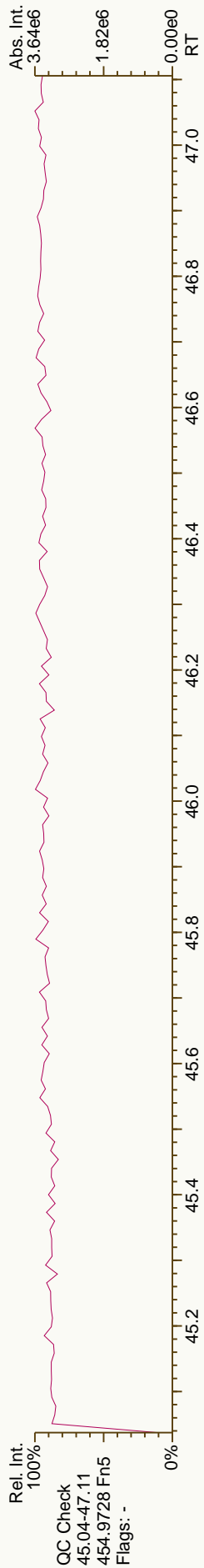
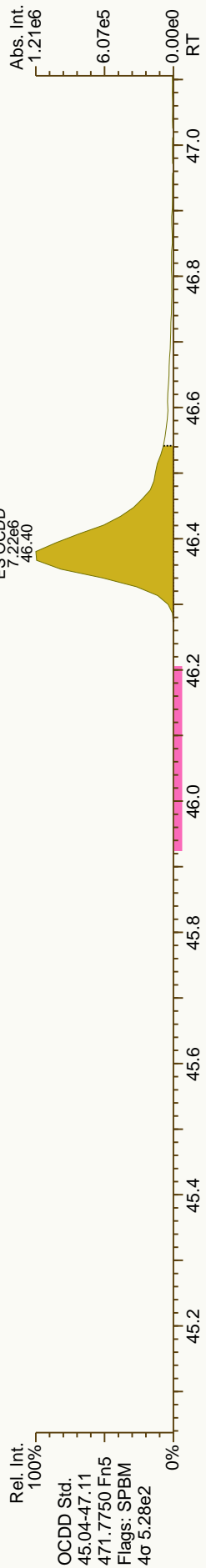
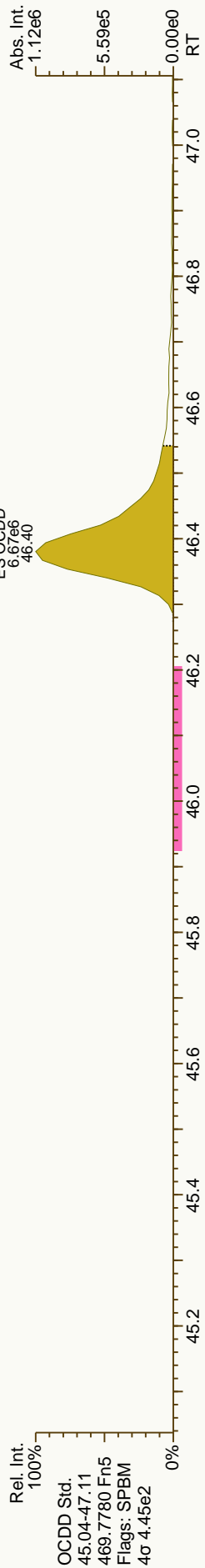
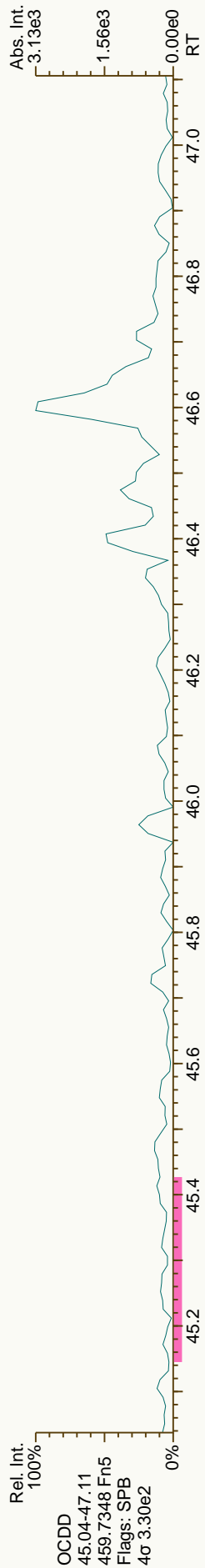
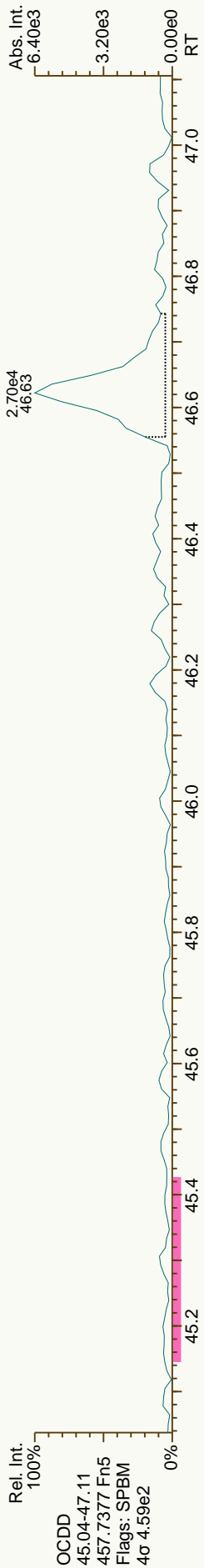


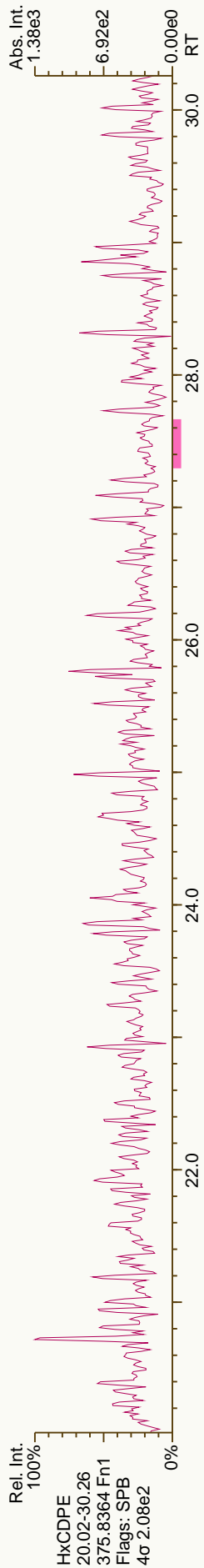
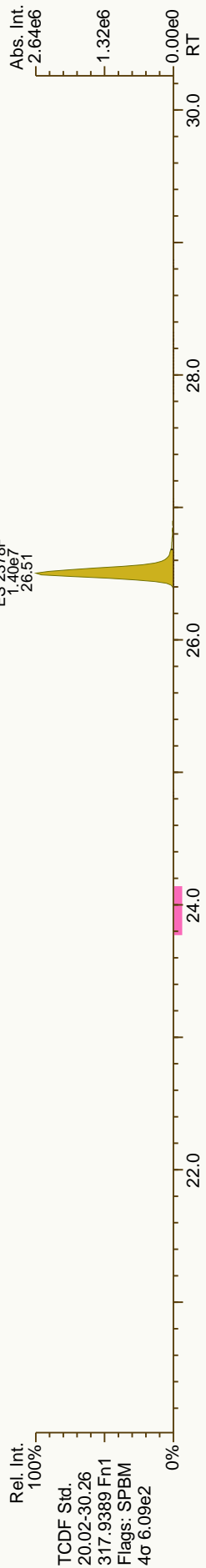
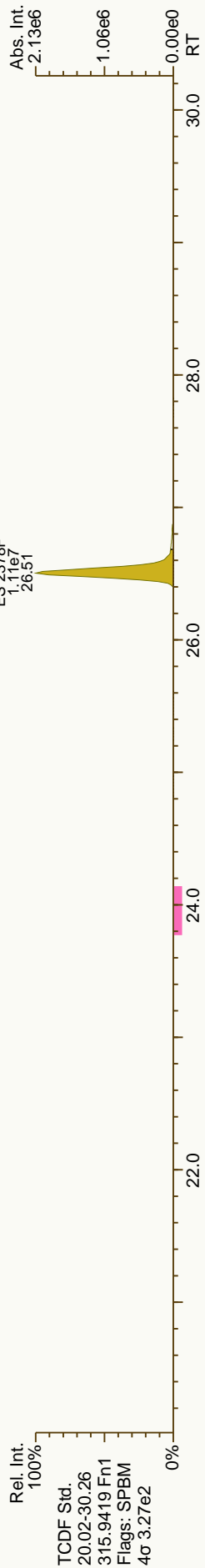
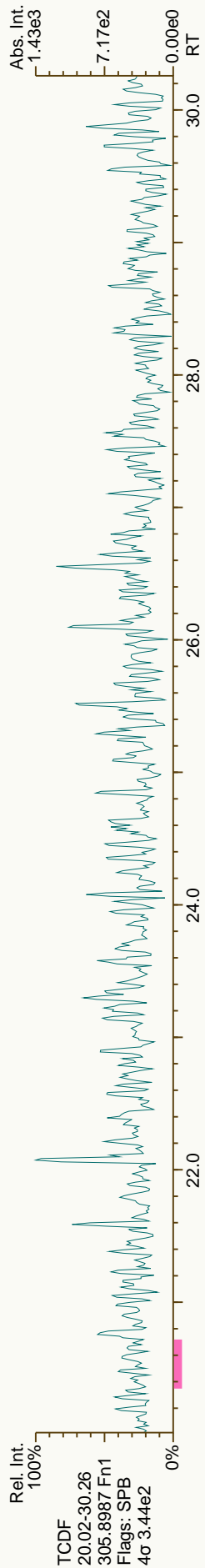
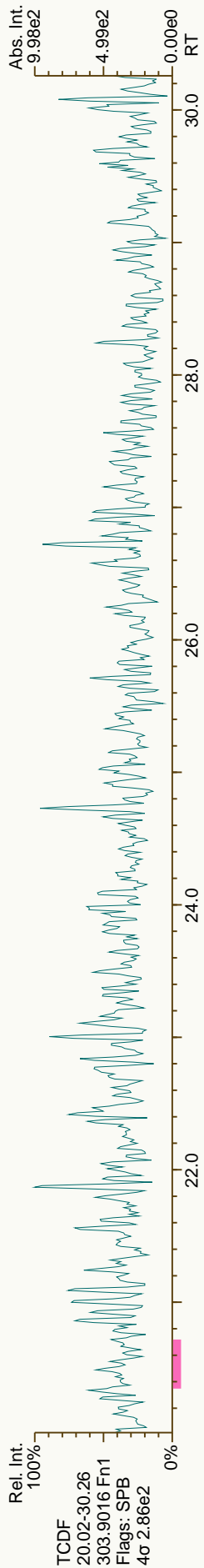


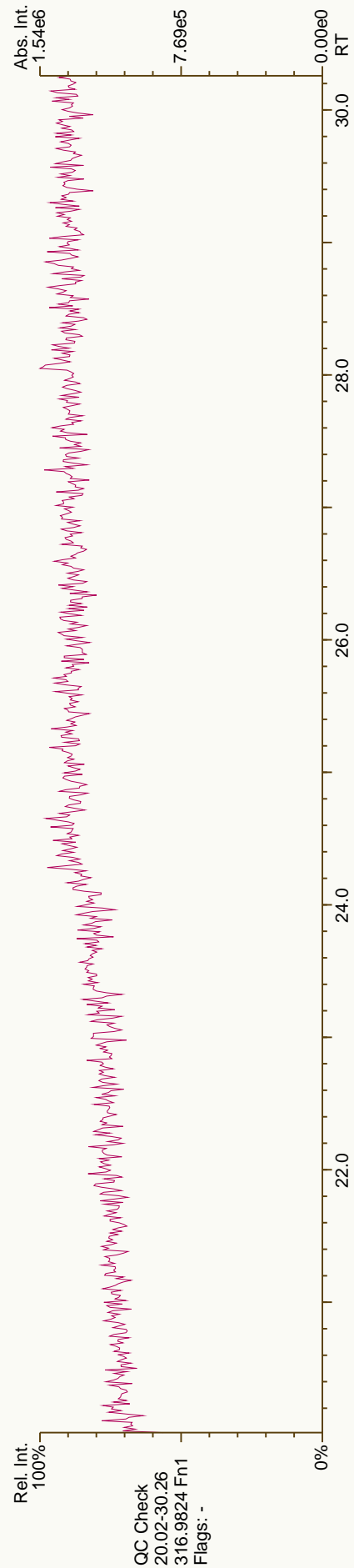
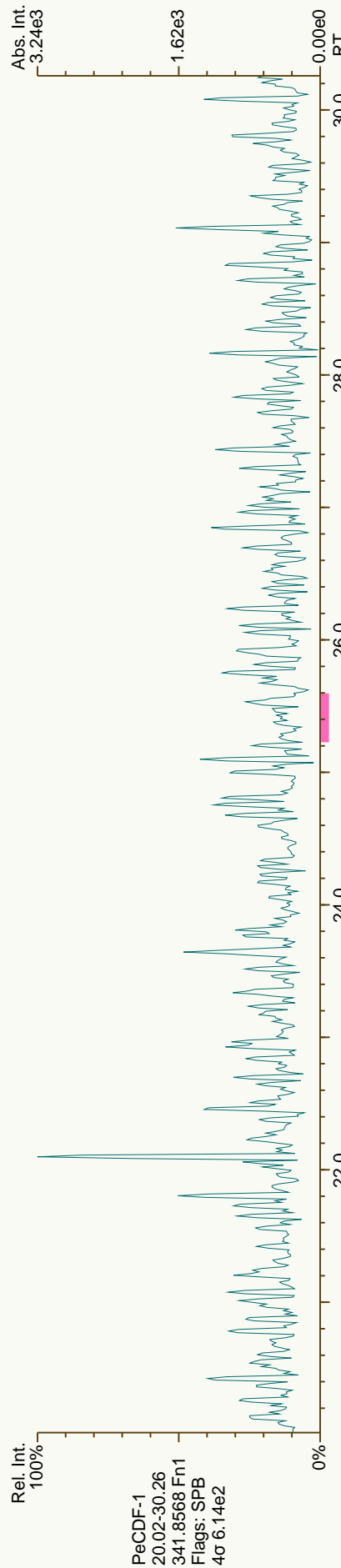
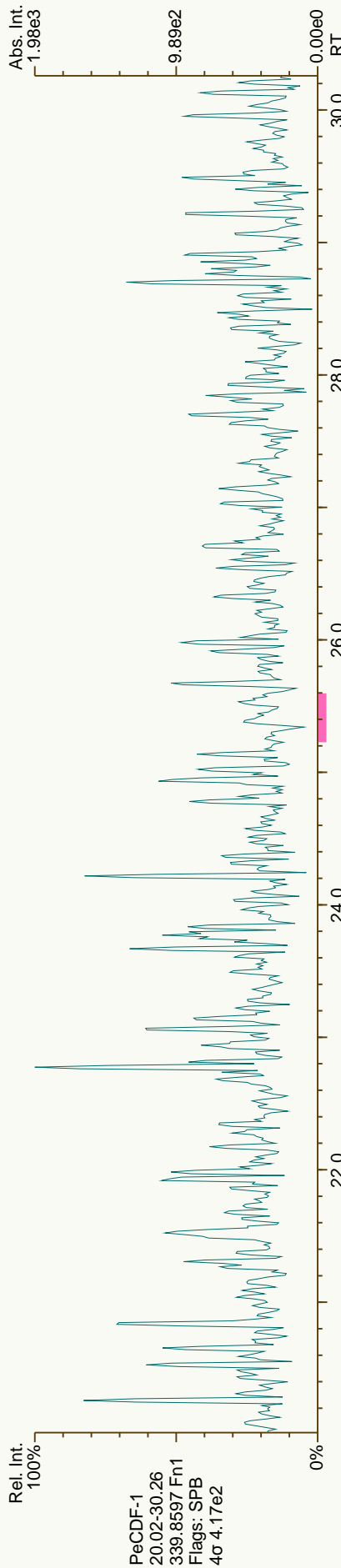


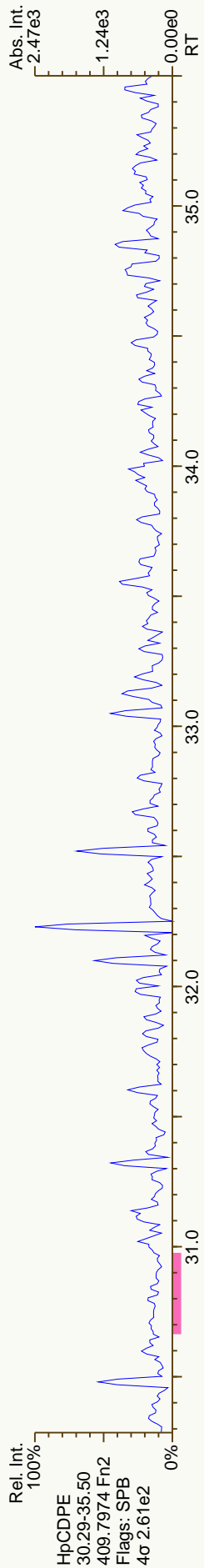
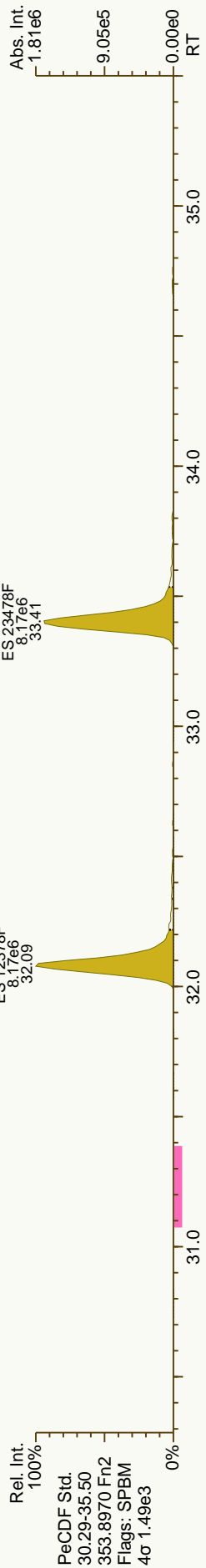
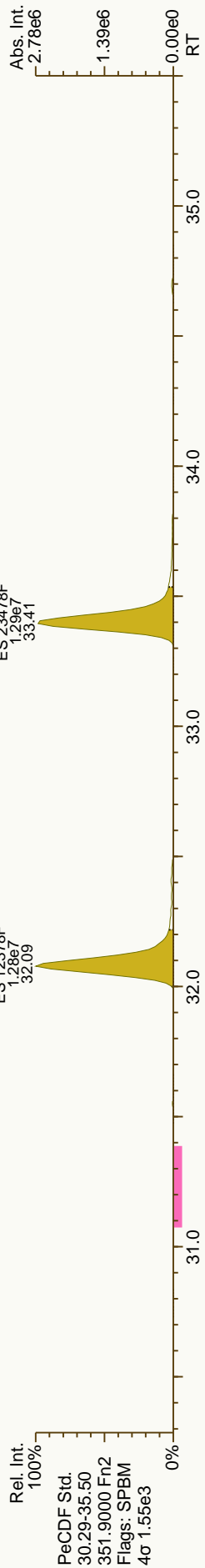
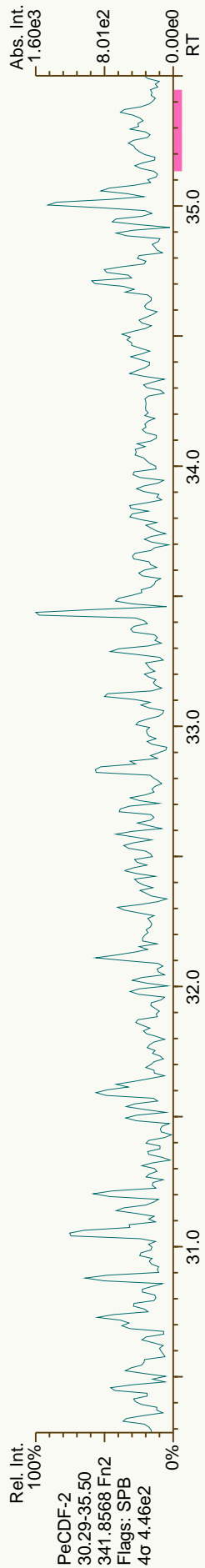
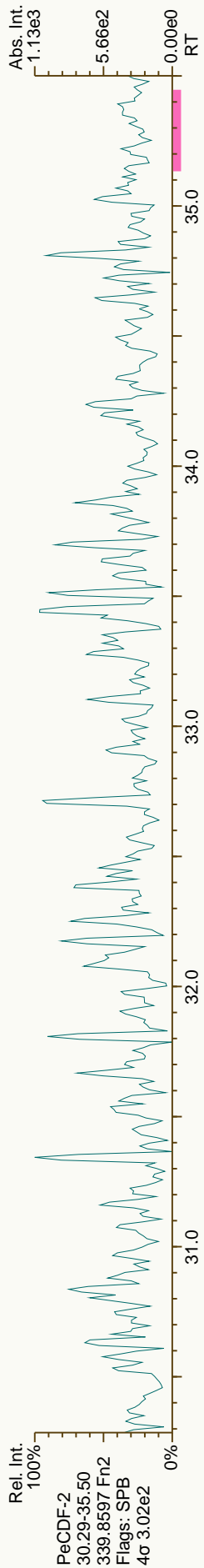


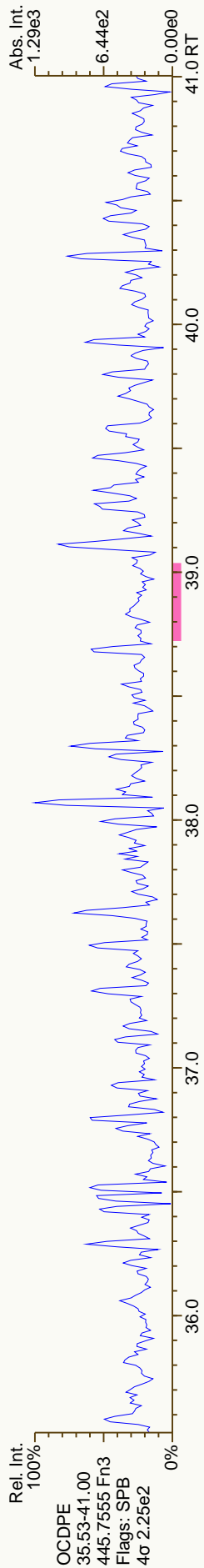
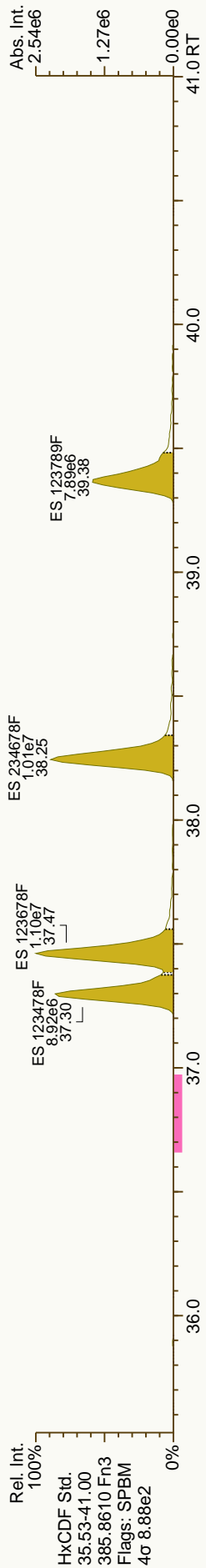
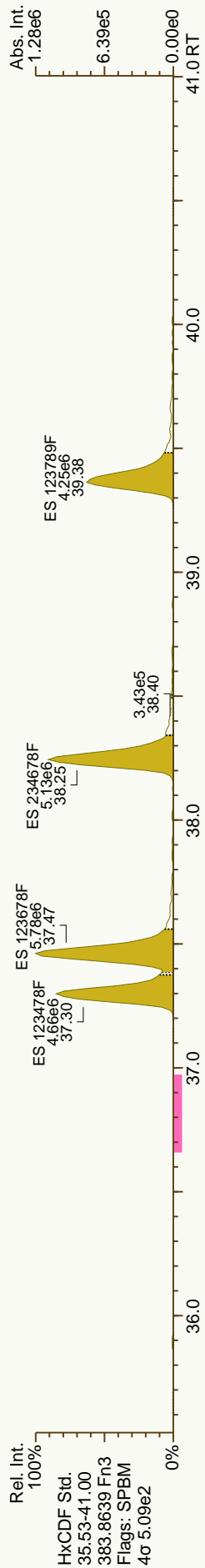
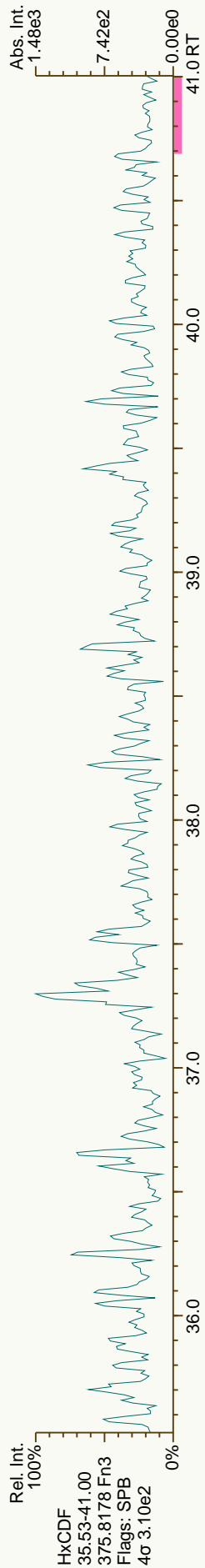
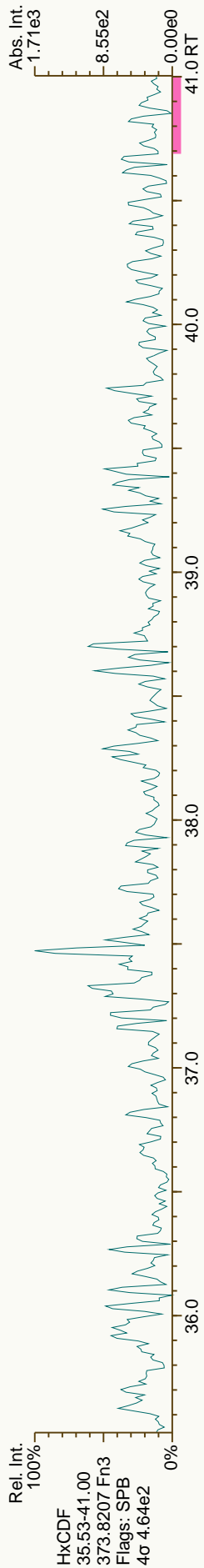


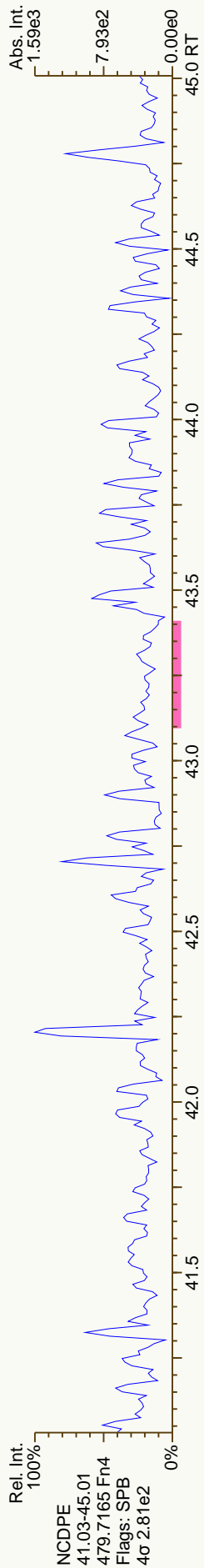
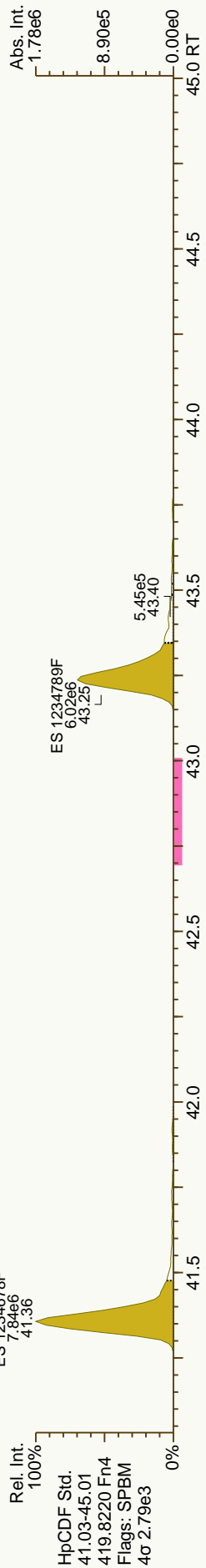
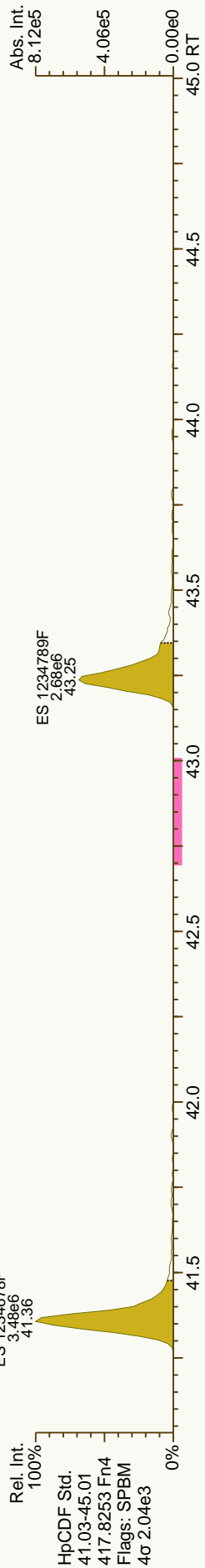
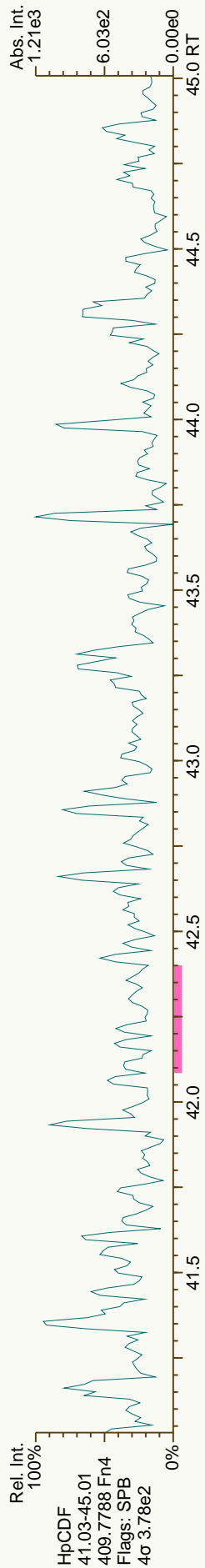
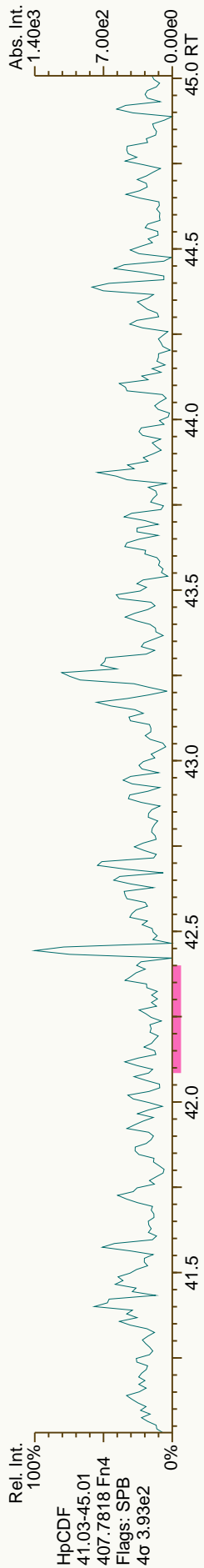


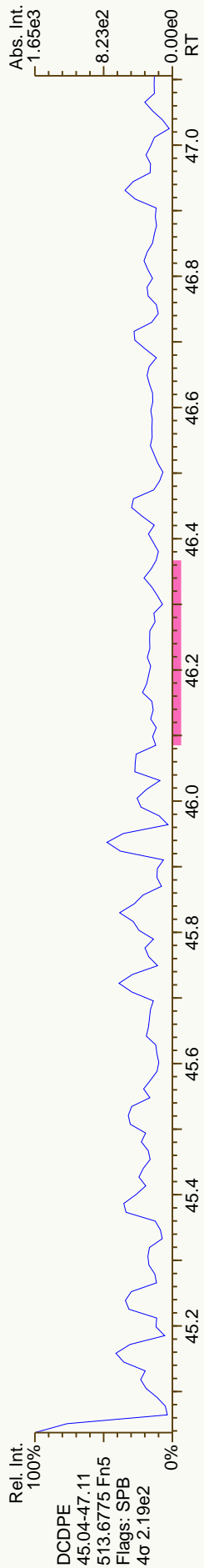
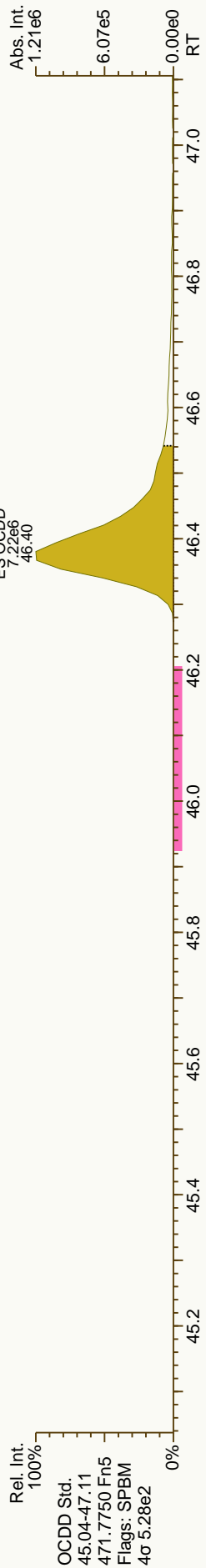
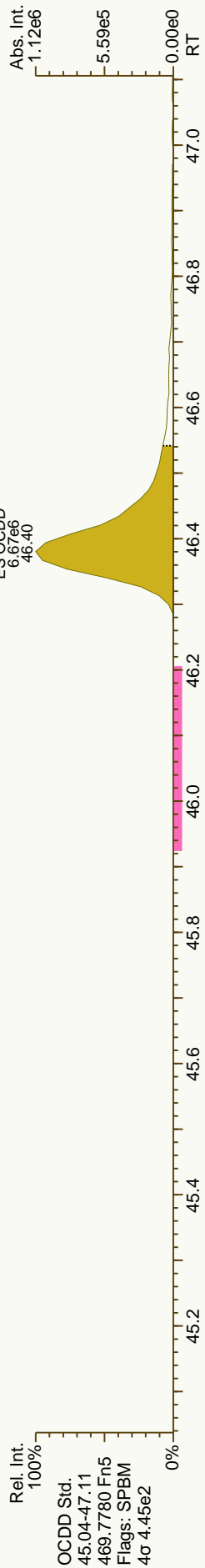
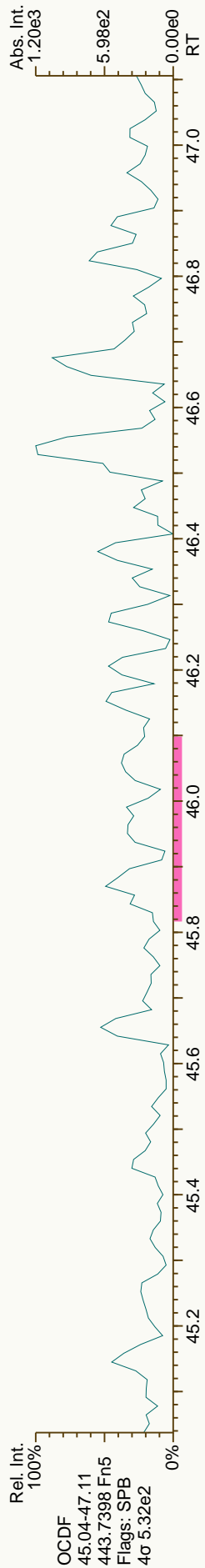
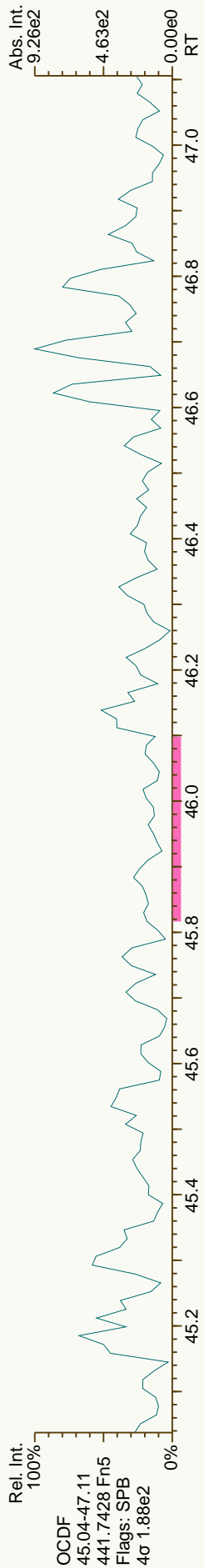












Blank Spike Summary

Blank Spike ID: OPR for HBN 31093 [HXX/1857]

Blank Spike Lab ID: 97484

Date Analyzed: 10/27/2012 14:25

Matrix: Soil-Solid as dry weight

QC for Samples: 31203249007

Results by EPA 1613B

Blank Spike (pg/g)

Parameter	Spike	Result	Rec (%)	CL
2,3,7,8-TCDD	20.0	21.7	108	67.0-158
1,2,3,7,8-PeCDD	100	94.9	95	70.0-142
1,2,3,4,7,8-HxCDD	100	110	110	70.0-164
1,2,3,6,7,8-HxCDD	100	112	112	76.0-134
1,2,3,7,8,9-HxCDD	100	114	114	64.0-162
1,2,3,4,6,7,8-HpCDD	100	99.2	99	70.0-140
OCDD	200	213	107	78.0-144
2,3,7,8-TCDF	20.0	21.9	110	75.0-158
1,2,3,7,8-PeCDF	100	109	109	80.0-134
2,3,4,7,8-PeCDF	100	102	102	68.0-160
1,2,3,4,7,8-HxCDF	100	113	113	72.0-134
1,2,3,6,7,8-HxCDF	100	106	106	84.0-130
2,3,4,6,7,8-HxCDF	100	104	104	70.0-156
1,2,3,7,8,9-HxCDF	100	113	113	78.0-130
1,2,3,4,6,7,8-HpCDF	100	102	102	82.0-122
1,2,3,4,7,8,9-HpCDF	100	103	103	78.0-138
OCDF	200	229	115	63.0-170

Labeled Standards

13C-2378-TCDD	124	25.0-164
13C-12378-PeCDD	126	25.0-181
13C-123478-HxCDD	85	32.0-141
13C-123678-HxCDD	86	28.0-130
13C-1234678-HpCDD	94	23.0-140
13C-OCDD	83	17.0-157
13C-2378-TCDF	111	24.0-169
13C-12378-PeCDF	115	24.0-185
13C-23478-PeCDF	115	21.0-178
13C-123478-HxCDF	78	26.0-152
13C-123678-HxCDF	90	26.0-123
13C-234678-HxCDF	84	29.0-147
13C-123789-HxCDF	78	28.0-136
13C-1234678-HpCDF	79	28.0-143
13C-1234789-HpCDF	85	26.0-138
37Cl-2378-TCDD	146	35.0-197

Blank Spike Summary

Blank Spike ID: OPR for HBN 31093 [HXX/1857]
 Blank Spike Lab ID: 97484
 Date Analyzed: 10/27/2012 14:25

Matrix: Soil-Solid as dry weight

QC for Samples: 31203249007

Results by EPA 1613B

Blank Spike (%)

<u>Parameter</u>	<u>Spike</u>	<u>Result</u>	<u>Rec (%)</u>	<u>CL</u>
------------------	--------------	---------------	----------------	-----------

Batch Information

Analytical Batch: HRD1904
 Analytical Method: EPA 1613B
 Instrument: APHRMS
 Analyst: MDC

Prep Batch: HXX1857
 Prep Method: EPA 1613 PREP S/D/T
 Prep Date/Time: 10/22/2012 00:00
 Spike Init Wt./Vol.: 10 g Extract Vol: 20 uL

Lab ID: OPR1_10270_DF
 Client ID: 0_10270_OPR001
 Datafile: 121026P4-03

Acq'd: 27 Oct 2012 14:25 MDC
 UTP: 02-Nov-2012 15:23 MDC
 Report: 02 Nov 2012 15:23 MC

Wt/Vol: 10.00 g
 J-level: 0.5 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37Cl)



ICAL: 1613_SGS

Checkcode: 890-387-MZL

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.53		1.0009	1.0010	+0.2	2.03E+06	0.78	Y	1.08	21.7	724	0.0957
2378-PeCDD	33.83		1.0006	1.0007	+0.2	7.48E+06	1.61	Y	1.07	94.9	902	0.135
23478-HxCDD	38.47		1.0004	1.0005	+0.2	6.72E+06	1.26	Y	1.05	110	1014	0.194
123678-HxCDD	38.60		1.0039	1.0039	0	7.30E+06	1.24	Y	0.98	112	1014	0.214
123789-HxCDD	38.95		1.0129	1.0130	+0.2	7.15E+06	1.24	Y	1.01	114	1014	0.205
1234678-HpCDD	42.64		1.0005	1.0003	-0.5	5.88E+06	1.06	Y	1.09	99.2	1229	0.265
OCDD	46.39		1.0005	1.0004	-0.3	9.02E+06	0.88	Y	1.11	213	745	0.287
2378-TCDF	26.53		1.0009	1.0009	0	2.75E+06	0.78	Y	0.98	21.9	643	0.066
12378-PeCDF	32.09		1.0007	1.0007	0	1.23E+07	1.54	Y	0.99	109	1313	0.136
23478-PeCDF	33.41		1.0006	1.0006	0	1.19E+07	1.51	Y	1.02	102	1313	0.136
123478-HxCDF	37.30		1.0006	1.0005	-0.2	9.71E+06	1.24	Y	1.19	113	1336	0.167
123678-HxCDF	37.47		1.0005	1.0005	0	1.14E+07	1.26	Y	1.16	106	1336	0.146
234678-HxCDF	38.26		1.0006	1.0005	-0.2	1.02E+07	1.22	Y	1.18	104	1336	0.17
123789-HxCDF	39.38		1.0005	1.0005	0	8.43E+06	1.25	Y	1.09	113	1336	0.262
1234678-HpCDF	41.36		1.0004	1.0004	0	8.43E+06	1.02	Y	1.35	102	2506	0.388
1234789-HpCDF	43.25		1.0004	1.0007	+0.8	6.99E+06	1.02	Y	1.34	103	2506	0.534
OCDF	46.64		1.0057	1.0057	0	1.22E+07	0.93	Y	1.40	229	739	0.226
Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %		
ES 2378-TCDD	27.50		1.0281	1.0278	-0.5	1.73E+07	0.80	Y	1.04	124		
ES 12378-PeCDD	33.81		1.2639	1.2634	-0.8	1.47E+07	1.62	Y	0.87	126		
ES 123478-HxCDD	38.45		0.9876	0.9875	-0.2	1.16E+07	1.29	Y	0.94	84.8		
ES 123678-HxCDD	38.59		0.9910	0.9910	0	1.33E+07	1.24	Y	1.06	85.9		
ES 1234678-HpCDD	42.62		1.0943	1.0946	+0.7	1.09E+07	1.09	Y	0.80	93.5		
ES OCDD	46.38		1.1907	1.1910	+0.7	1.53E+07	0.91	Y	0.63	83.2		
ES 2378-TCDF	26.51		0.9907	0.9908	+0.2	2.57E+07	0.78	Y	1.74	111		
ES 12378-PeCDF	32.07		1.1992	1.1986	-1.0	2.29E+07	1.61	Y	1.49	115		
ES 23478-PeCDF	33.39		1.2484	1.2479	-0.8	2.28E+07	1.56	Y	1.48	115		
ES 123478-HxCDF	37.29		0.9577	0.9575	-0.5	1.45E+07	0.54	Y	1.27	78.2		
ES 123678-HxCDF	37.45		0.9619	0.9618	-0.2	1.86E+07	0.52	Y	1.41	90.2		
ES 234678-HpCDF	38.24		0.9821	0.9820	-0.2	1.66E+07	0.54	Y	1.34	84.5		
ES 123789-HxCDF	39.36		1.0108	1.0108	0	1.38E+07	0.52	Y	1.20	78.3		
ES 1234678-HpCDF	41.34		1.0618	1.0618	0	1.22E+07	0.45	Y	1.06	79.3		
ES 1234789-HpCDF	43.23		1.1100	1.1102	+0.5	1.01E+07	0.45	Y	0.82	84.6		

Lab ID: OPR1_10270_DF Acq'd: 27 Oct 2012 14:25 MDC Wt/Vol: 10.00 g ICAL: 1613_SGS
 Client ID: 0_10270_OPR001 UTP: 02-Nov-2012 15:23 MDC J-level: 0.5 pg/g Split: 1 Checkcode: 890-387-MZL
 Datafile: 121026P4-03 Report: 02 Nov 2012 15:23 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37Cl)

WV#	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
120329	JS 1234-TCDD	26.76		-	-	-	1.34E+07	0.80	Y	-	-
120329	JS 123789-HxCDD	38.94		-	-	-	1.46E+07	1.28	Y	-	-
	CS 37Cl-2378-TCDD	27.53		1.0291	1.0288	-0.5	4.57E+06	n/a	-	1.17	146

	SS 37Cl-2378-TCDD	27.53		1.0291	1.0288	-0.5	4.57E+06	n/a	-	1.12	118
--	-------------------	-------	--	--------	--------	------	----------	-----	---	------	-----

Totals	Conc	EMPC	EDL
Total TCDD	21.7	21.7	0.0957
Total PeCDD	94.9	94.9	0.135
Total HxCDD	336	336	0.204
Total HpCDD	100	100	0.265
Total Tetra-Octa Dioxins	766	766	
Total TCDF	22.1	22.1	0.066
Total PeCDF	212	212	0.136
Total HxCDF	436	436	0.181
Total HpCDF	205	205	0.453
Total Tetra-Octa Furans	1100	1100	
Total Tetra-Octa Dioxins & Furans	1870	1870	

Lab ID: OPR1_10270_DF Acq'd: 27 Oct 2012 14:25 MDC Wt/Vol: 10.00 g ICAL: 1613_SGS
 Client ID: 0_10270_OPR001 UTP: 02-Nov-2012 15:23 MDC J-level: 0.5 pg/g Split: 1 Checkcode: 890-387-MZL
 Datafile: 121026P4-03 Report: 02 Nov 2012 15:23 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37C1)

Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	TCDD	NotFnd		0.8504						1.08		724	0.0957
2	TCDD	NotFnd		0.8649						1.08		724	0.0957
3	TCDD	NotFnd		0.8835						1.08		724	0.0957
4	TCDD	NotFnd		0.9152						1.08		724	0.0957
	TCDD	NotFnd		0.9241						1.08		724	0.0957
	TCDD	NotFnd		0.9327						1.08		724	0.0957
	TCDD	NotFnd		0.9408						1.08		724	0.0957
	TCDD	NotFnd		0.9512						1.08		724	0.0957
	TCDD	NotFnd		0.9580						1.08		724	0.0957
	TCDD	NotFnd		0.9736						1.08		724	0.0957
	TCDD	NotFnd		0.9785						1.08		724	0.0957
	TCDD	NotFnd		0.9884						1.08		724	0.0957
	TCDD	NotFnd		0.9945						1.08		724	0.0957
	2378--TCDD	27.53		1.0009	1.0010	+0.2	2.03E+06	0.78	Y	1.08	21.7	724	0.0957
	TCDD	NotFnd		1.0147						1.08		724	0.0957
	TCDD	NotFnd		1.0206						1.08		724	0.0957
	TCDD	NotFnd		1.0423						1.08		724	0.0957
	PeCDD	NotFnd		0.9131						1.07		902	0.135
	PeCDD	NotFnd		0.9319						1.07		902	0.135
	PeCDD	NotFnd		0.9511						1.07		902	0.135
	PeCDD	NotFnd		0.9576						1.07		902	0.135
	PeCDD	NotFnd		0.9611						1.07		902	0.135
	PeCDD	NotFnd		0.9703						1.07		902	0.135
	PeCDD	NotFnd		0.9829						1.07		902	0.135
	12378-PeCDD	33.83		1.0006	1.0007	+0.2	7.48E+06	1.61	Y	1.07	94.9	902	0.135
	PeCDD	NotFnd		1.0039						1.07		902	0.135
	PeCDD	NotFnd		1.0161						1.07		902	0.135
	HxCDD	NotFnd		0.9479						1.01		1014	0.204
	HxCDD	NotFnd		0.9682						1.01		1014	0.204
	HxCDD	NotFnd		0.9771						1.01		1014	0.204
	HxCDD	NotFnd		0.9811						1.01		1014	0.204
	123478-HxCDD	38.47		1.0004	1.0005	+0.2	6.72E+06	1.26	Y	1.05	110	1014	0.194
	123678-HxCDD	38.60		1.0039	1.0039	0	7.30E+06	1.24	Y	0.98	112	1014	0.214
	HxCDD	NotFnd		1.0097						1.01		1014	0.204
	123789-HxCDD	38.95		1.0129	1.0130	+0.2	7.15E+06	1.24	Y	1.01	114	1014	0.205

Lab ID: OPR1_10270_DF

Acq'd: 27 Oct 2012 14:25 MDC

Wt/Vol: 10.00 g

ICAL: 1613_SGS

Client ID: 0_10270_OPR001

UTP: 02-Nov-2012 15:23 MDC

J-level: 0.5 pg/g Split: 1

Checkcode: 890-387-MZL

Datafile: 121026P4-03

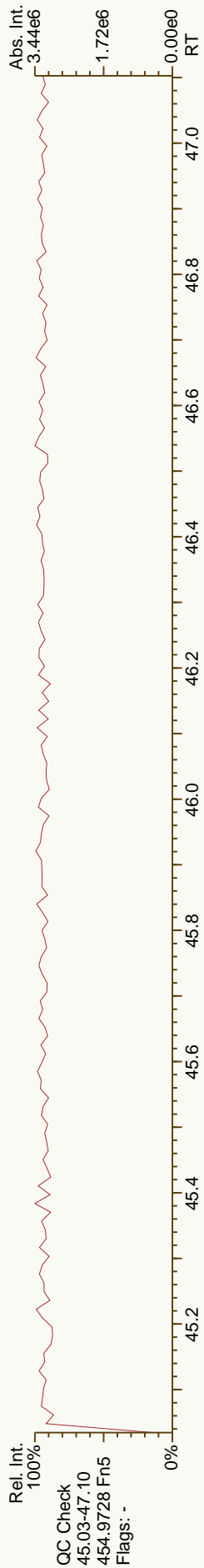
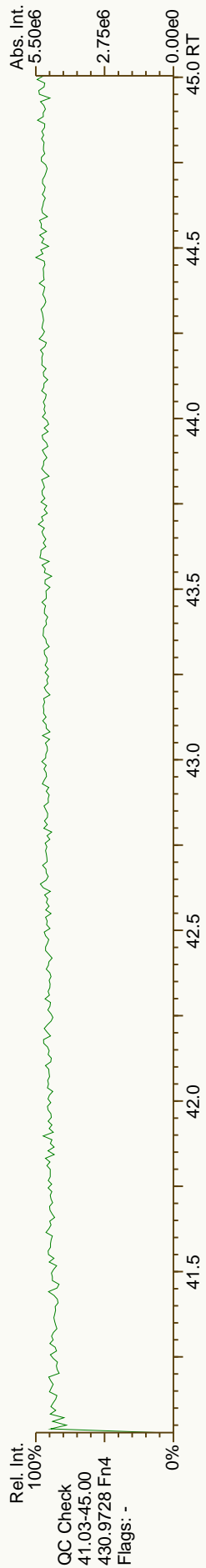
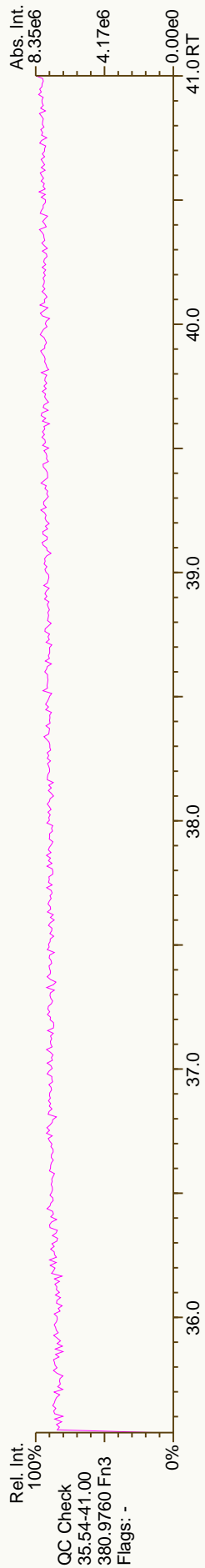
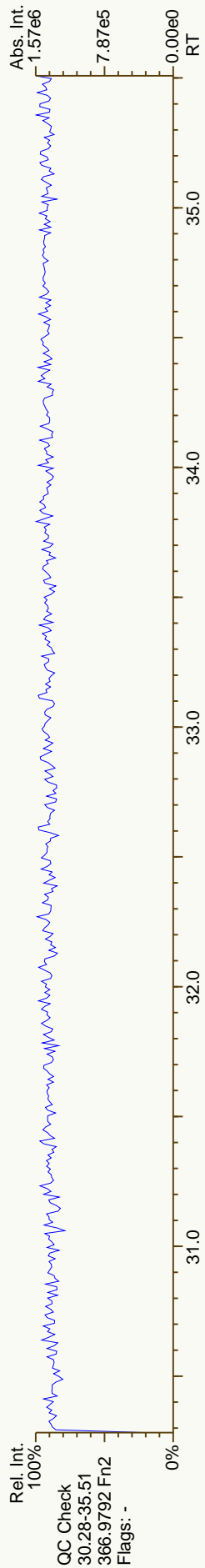
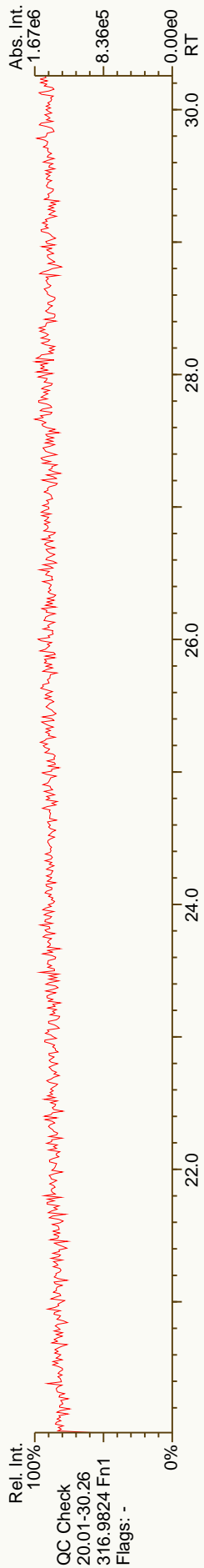
Report: 02 Nov 2012 15:23 MC

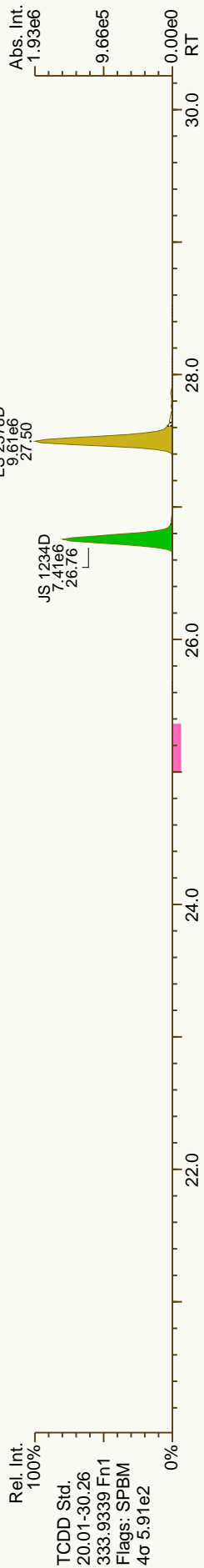
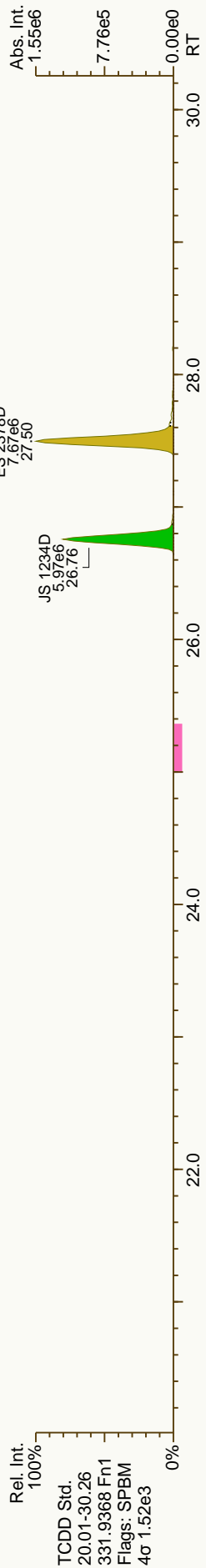
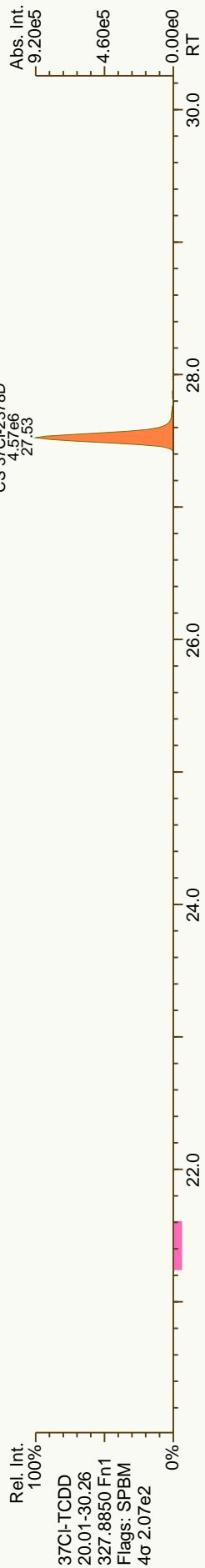
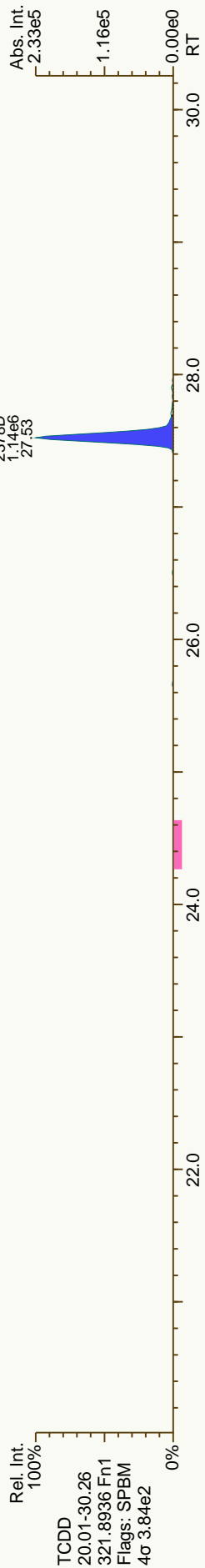
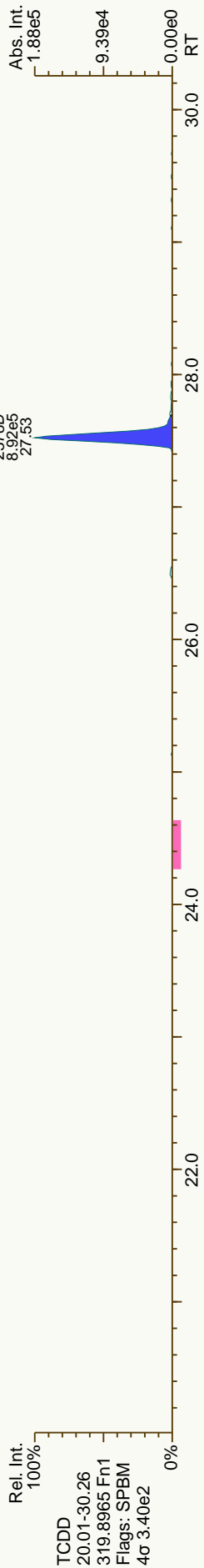
Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

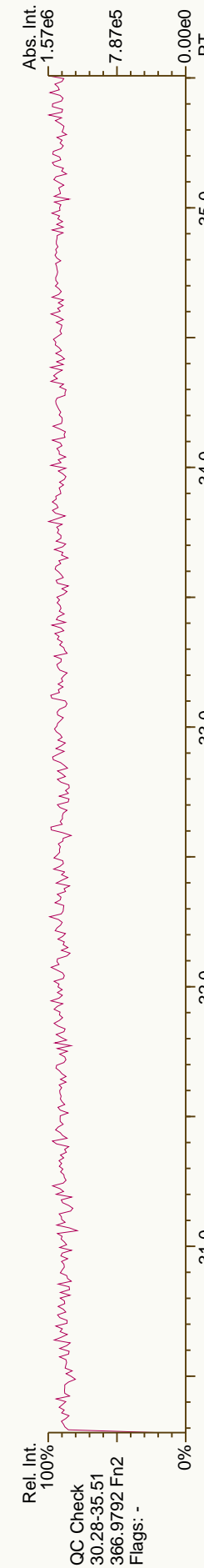
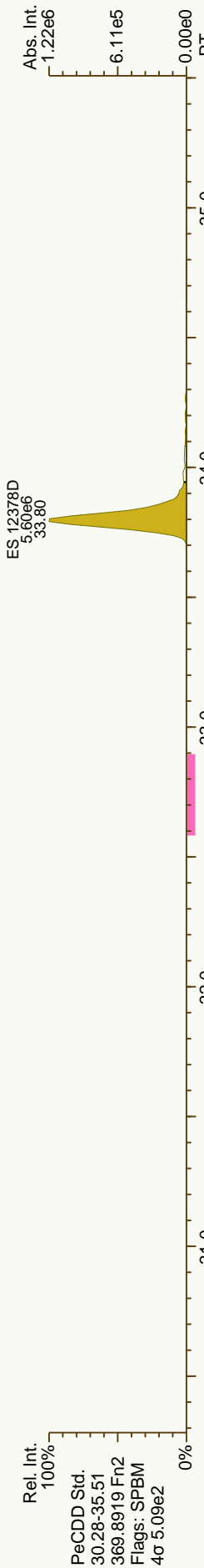
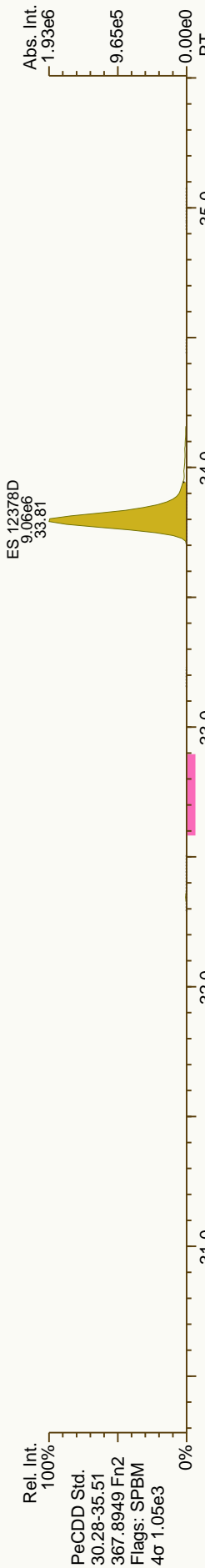
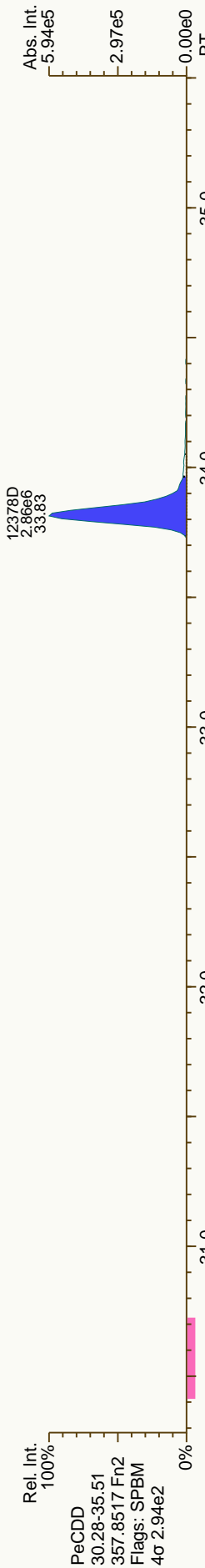
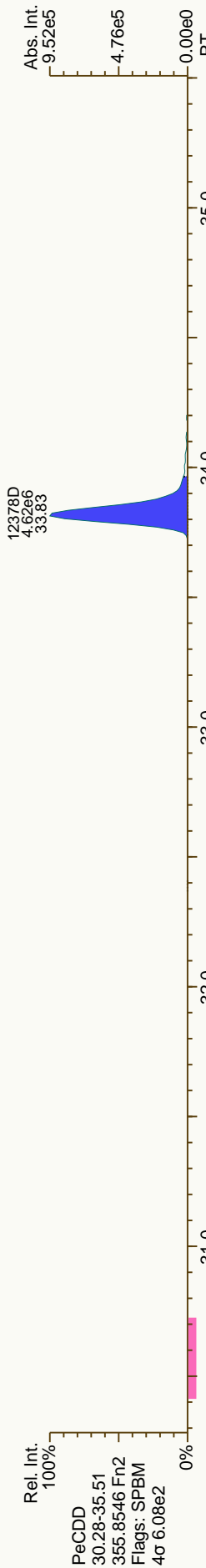
Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	HP-CDD	41.73		0.9793	0.9791	-0.5	6.72E+04	0.93	Y	1.09	1.13	1229	0.265
2	234678-HP-CDD	42.64		1.0005	1.0003	-0.5	5.88E+06	1.06	Y	1.09	99.2	1229	0.265
3	OCDD	46.39		1.0005	1.0004	-0.3	9.02E+06	0.88	Y	1.11	213	745	0.287
4	OCDD-a	46.37		1.0001	0.9998	-0.8	4.45E+05	2.26	Y	1.00	11.7	815	0.348
5	TCDF	NotFnd		0.7983						0.98		643	0.066
6	TCDF	NotFnd		0.8218						0.98		643	0.066
7	TCDF	NotFnd		0.8463						0.98		643	0.066
8	TCDF	NotFnd		0.8625						0.98		643	0.066
9	TCDF	NotFnd		0.8677						0.98		643	0.066
10	TCDF	NotFnd		0.8787						0.98		643	0.066
11	TCDF	NotFnd		0.8840						0.98		643	0.066
12	TCDF	NotFnd		0.8998						0.98		643	0.066
13	TCDF	NotFnd		0.9054						0.98		643	0.066
14	TCDF	NotFnd		0.9125						0.98		643	0.066
15	TCDF	NotFnd		0.9279						0.98		643	0.066
16	TCDF	NotFnd		0.9334						0.98		643	0.066
17	TCDF	NotFnd		0.9381						0.98		643	0.066
18	TCDF	NotFnd		0.9439						0.98		643	0.066
19	TCDF	25.52		0.9630	0.9628	-0.3	2.72E+04	0.70	Y	0.98	0.217	643	0.066
20	TCDF	NotFnd		0.9674						0.98		643	0.066
21	TCDF	NotFnd		0.9746						0.98		643	0.066
22	TCDF	NotFnd		0.9829						0.98		643	0.066
23	TCDF	NotFnd		0.9916						0.98		643	0.066
24	TCDF	NotFnd		0.9963						0.98		643	0.066
25	2378-TCDF	26.53		1.0009	1.0009	0	2.75E+06	0.78	Y	0.98	21.9	643	0.066
26	TCDF	NotFnd		1.0166						0.98		643	0.066
27	TCDF	NotFnd		1.0274						0.98		643	0.066
28	TCDF	NotFnd		1.0390						0.98		643	0.066
29	TCDF	NotFnd		1.0886						0.98		643	0.066
30	PeCDF	NotFnd		0.8975						1.00		775	0.0804
31	PeCDF	NotFnd		0.9542						1.00		1313	0.136
32	PeCDF	NotFnd		0.9587						1.00		1313	0.136
33	PeCDF	NotFnd		0.9636						1.00		1313	0.136
34	PeCDF	NotFnd		0.9671						1.00		1313	0.136
35	PeCDF	NotFnd		0.9760						1.00		1313	0.136
36	PeCDF	NotFnd		0.9810						1.00		1313	0.136

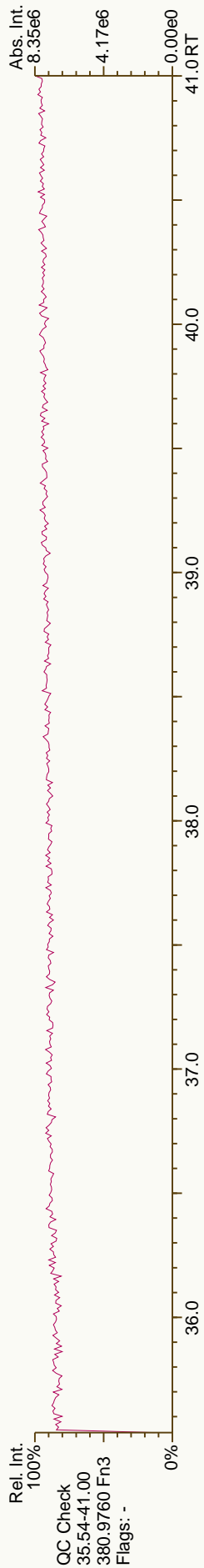
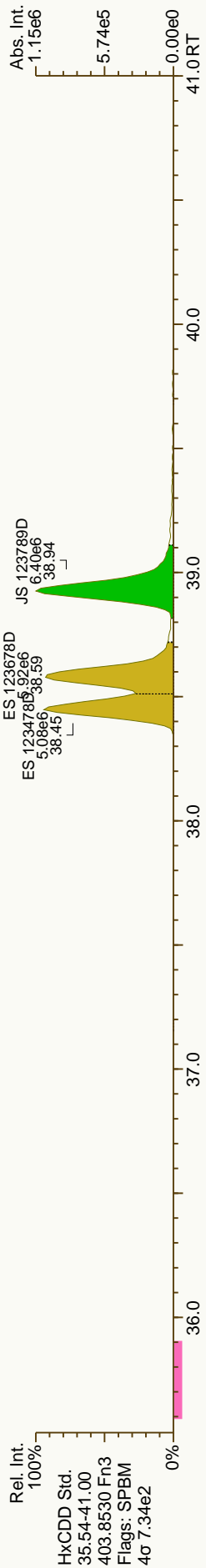
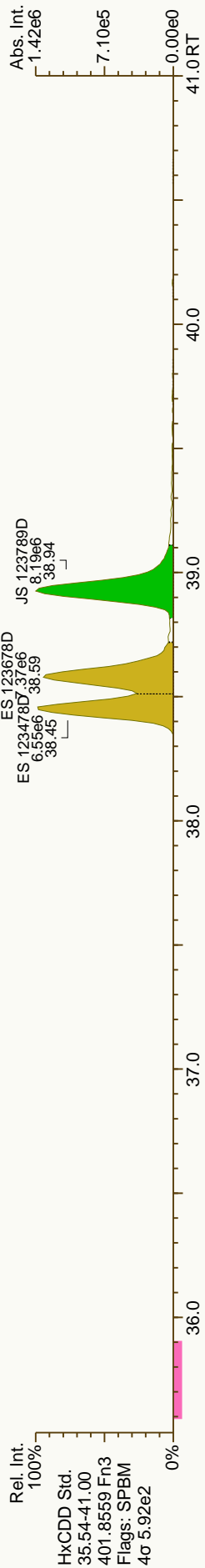
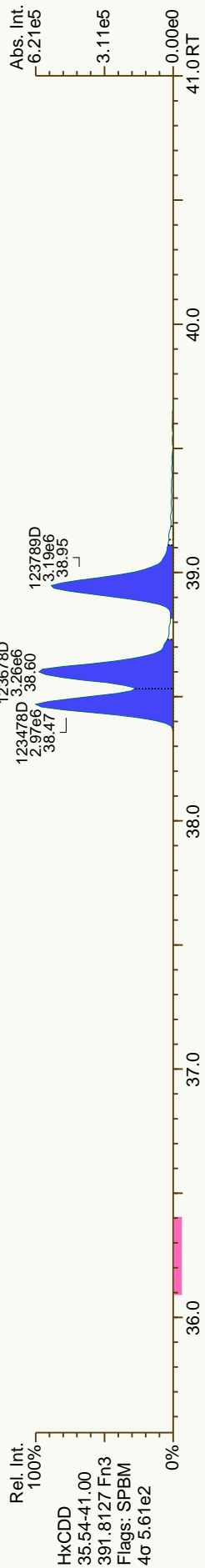
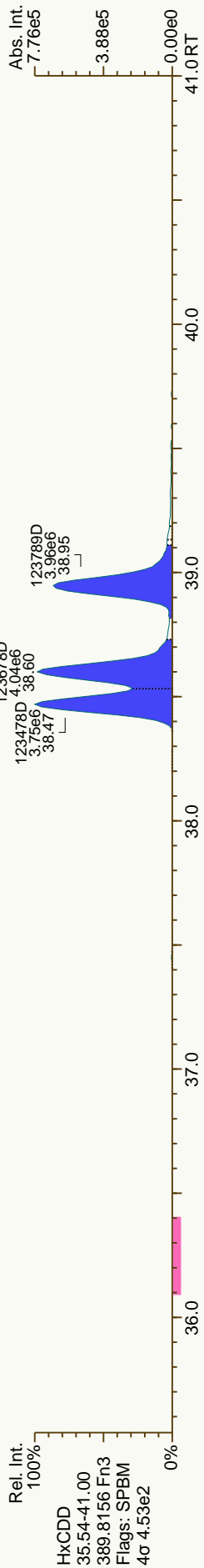
Lab ID: OPR1_10270_DF Acq'd: 27 Oct 2012 14:25 MDC Wt/Vol: 10.00 g ICAL: 1613_SGS
 Client ID: 0_10270_OPR001 UTP: 02-Nov-2012 15:23 MDC J-level: 0.5 pg/g Split: 1 Checkcode: 890-387-MZL
 Datafile: 121026P4-03 Report: 02 Nov 2012 15:23 MC Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

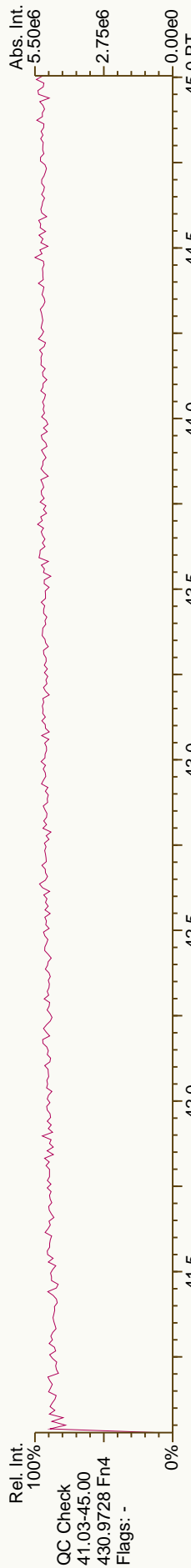
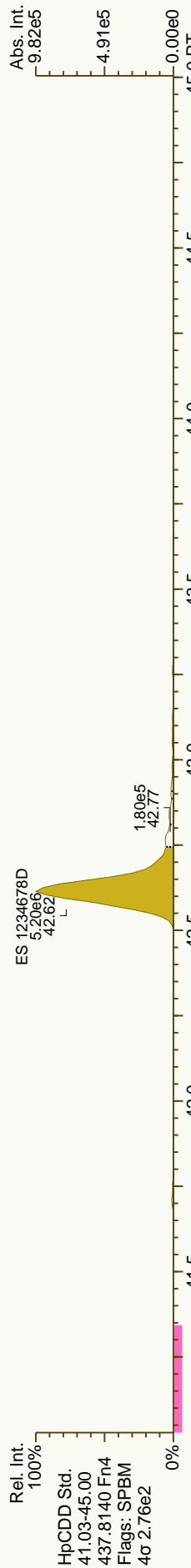
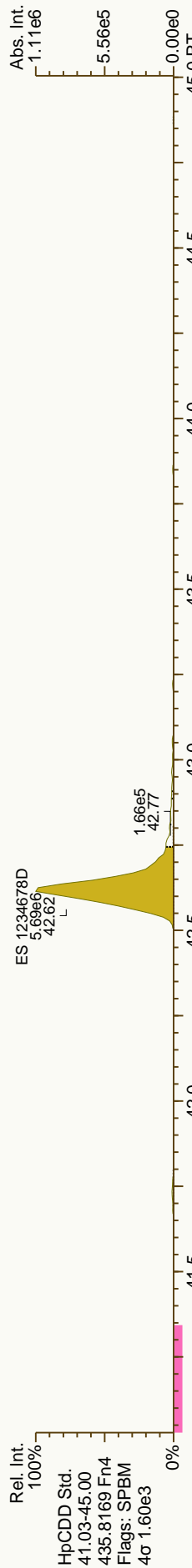
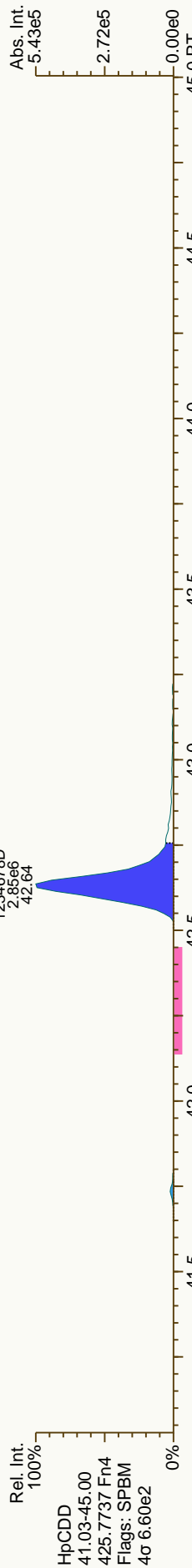
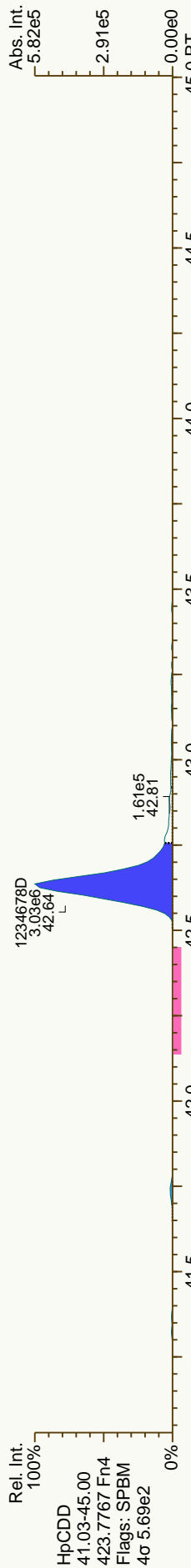
Comp #	Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
1	PeCDF	31.56	0.9847	0.9842	-1.0	4.10E+04	1.65	Y	1.00	0.358	1313	0.136	
2	PeCDF	NotFnd	0.9870						1.00		1313	0.136	
3	PeCDF	31.85	0.9930	0.9930	0	3.02E+04	2.02	N	1.00	0.263	1313	0.136	
4	12378-PeCDF	32.09	1.0007	1.0007	0	1.23E+07	1.54	Y	0.99	109	1313	0.136	
	PeCDF	NotFnd	1.0113						1.00		1313	0.136	
	PeCDF	NotFnd	1.0169						1.00		1313	0.136	
	PeCDF	NotFnd	0.9917						1.00		1313	0.136	
	PeCDF	NotFnd	0.9962						1.00		1313	0.136	
	23478-PeCDF	33.41	1.0006	1.0006	0	1.19E+07	1.51	Y	1.02	102	1313	0.136	
	PeCDF	NotFnd	0.0000						1.02	0			
	PeCDF	NotFnd	1.0023						1.00		1313	0.136	
	PeCDF	NotFnd	1.0120						1.00		1313	0.136	
	PeCDF	34.69	1.0389	1.0388	-0.2	2.52E+04	1.33	Y	1.00	0.22	1313	0.136	
	HxCDF	NotFnd	0.9565						1.15		1336	0.181	
	HxCDF	35.90	0.9627	0.9628	+0.2	4.42E+04	1.29	Y	1.15	0.485	1336	0.181	
	HxCDF	NotFnd	0.9700						1.15		1336	0.181	
	HxCDF	NotFnd	0.9762						1.15		1336	0.181	
	HxCDF	NotFnd	0.9833						1.15		1336	0.181	
	HxCDF	NotFnd	0.9968						1.15		1336	0.181	
	123478-HxCDF	37.30	1.0006	1.0005	-0.2	9.71E+06	1.24	Y	1.19	113	1336	0.167	
	123678-HxCDF	37.47	1.0005	1.0005	0	1.14E+07	1.26	Y	1.16	106	1336	0.146	
	HxCDF	NotFnd	1.0055						1.15		1336	0.181	
	HxCDF	NotFnd	1.0102						1.15		1336	0.181	
	HxCDF	NotFnd	0.9933						1.15		1336	0.181	
	234678-HxCDF	38.26	1.0006	1.0005	-0.2	1.02E+07	1.22	Y	1.18	104	1336	0.17	
	HxCDF	NotFnd	0.0000						1.18	0			
	HxCDF	NotFnd	1.0009						1.15		1336	0.181	
	123789-HxCDF	39.38	1.0005	1.0005	0	8.43E+06	1.25	Y	1.09	113	1336	0.262	
	HxCDF	NotFnd	0.0000						1.09	0			
	123489-HxCDF	NotFnd	1.0013						1.15		1336	0.181	
	1234678-HpCDF	41.36	1.0004	1.0004	0	8.43E+06	1.02	Y	1.35	102	2506	0.388	
	HpCDF	NotFnd	1.0091						1.34		2506	0.453	
	HpCDF	NotFnd	1.0140						1.34		2506	0.453	
	1234789-HpCDF	43.25	1.0004	1.0007	+0.8	6.99E+06	1.02	Y	1.34	103	2506	0.534	
	OCDF	46.64	1.0057	1.0057	0	1.22E+07	0.93	Y	1.40	229	739	0.226	
	OCDF-a	46.61	1.0053	1.0051	-0.6	6.37E+05	2.44	Y	1.00	16.7	673	0.287	

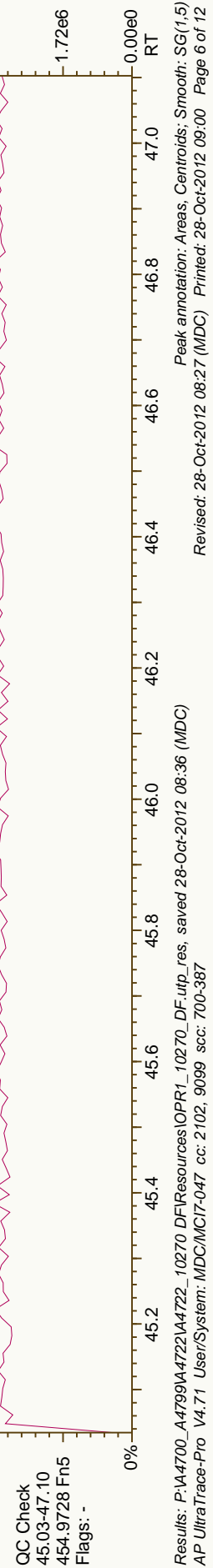
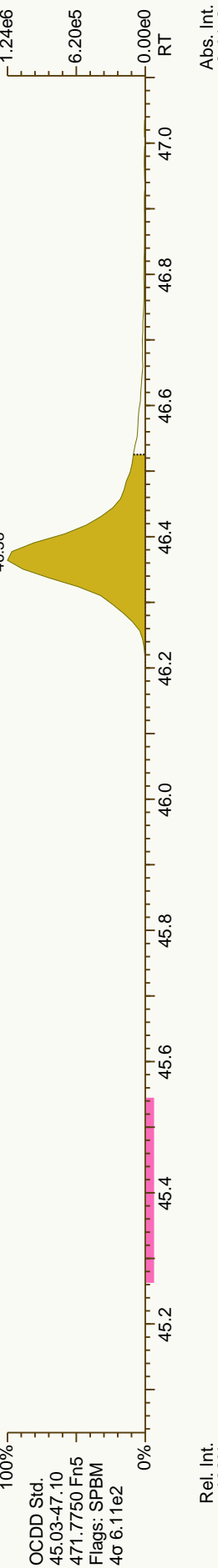
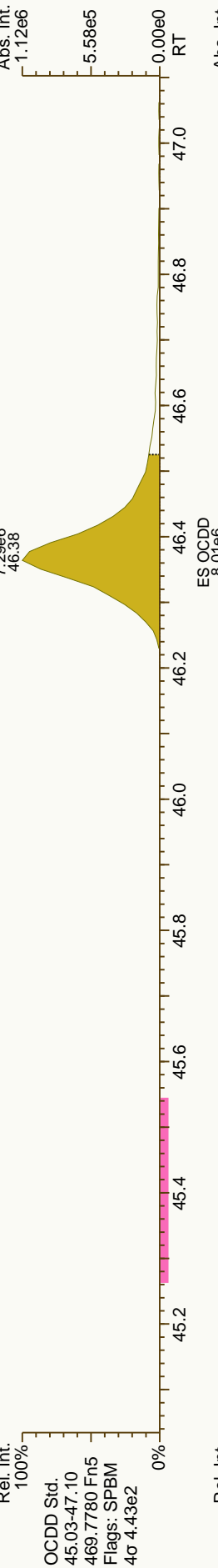
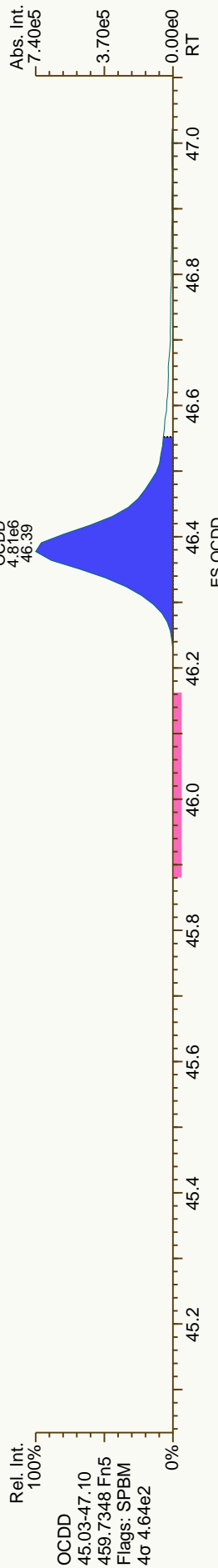
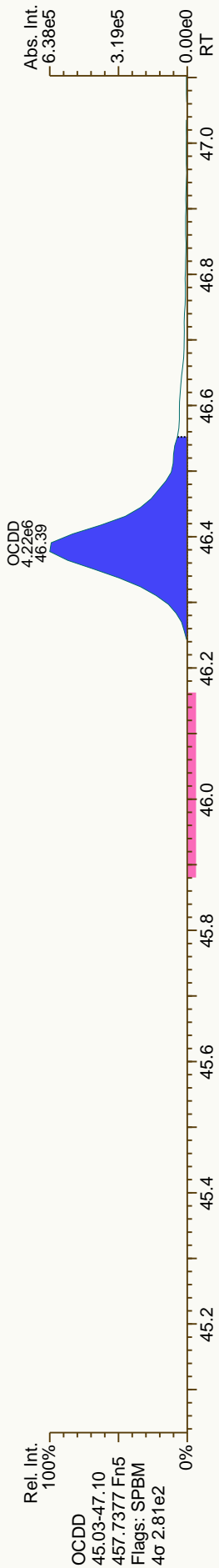


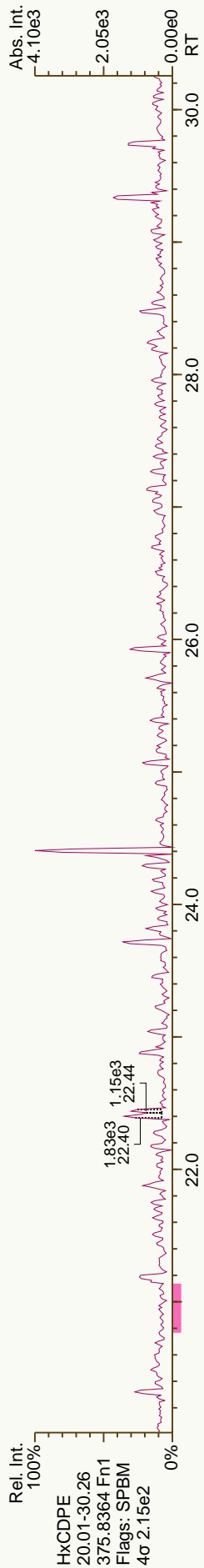
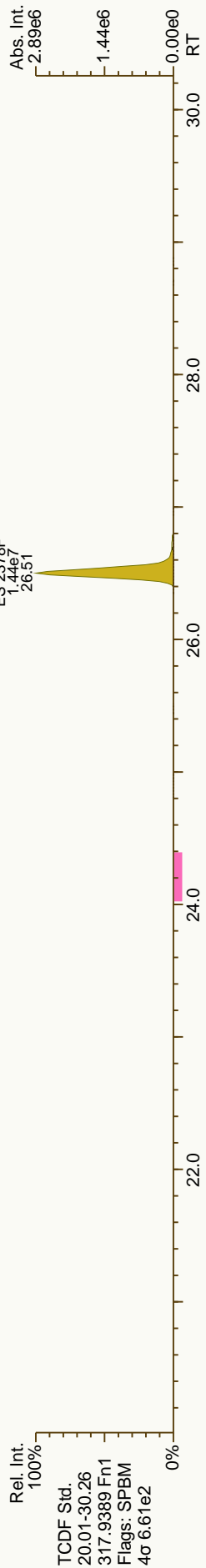
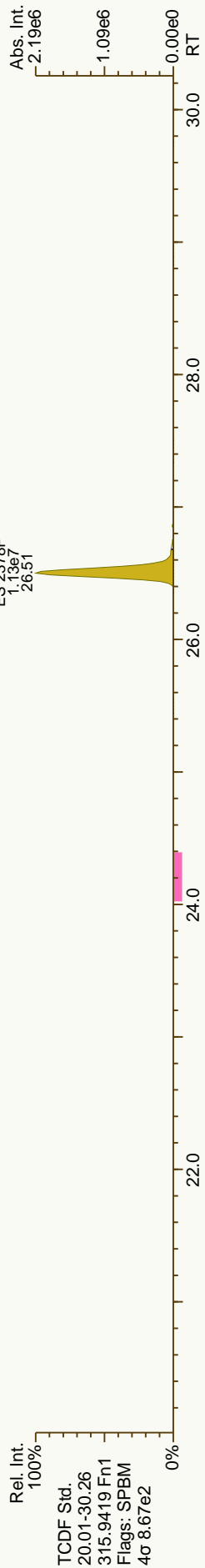
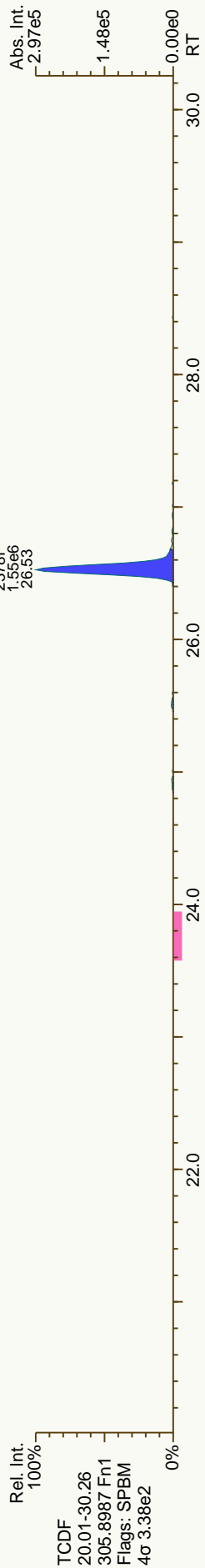
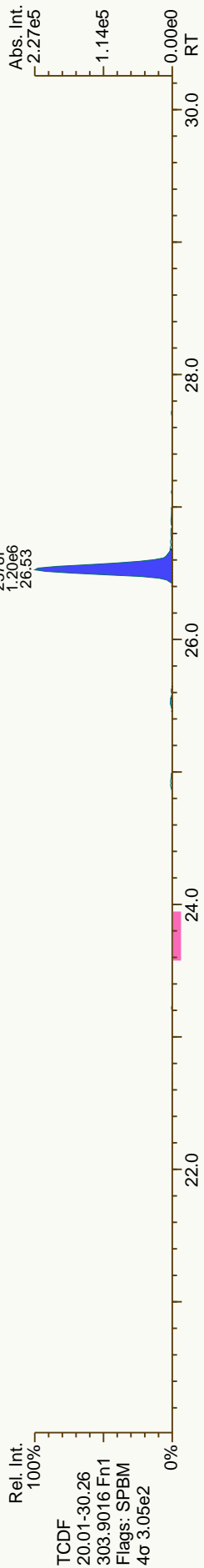


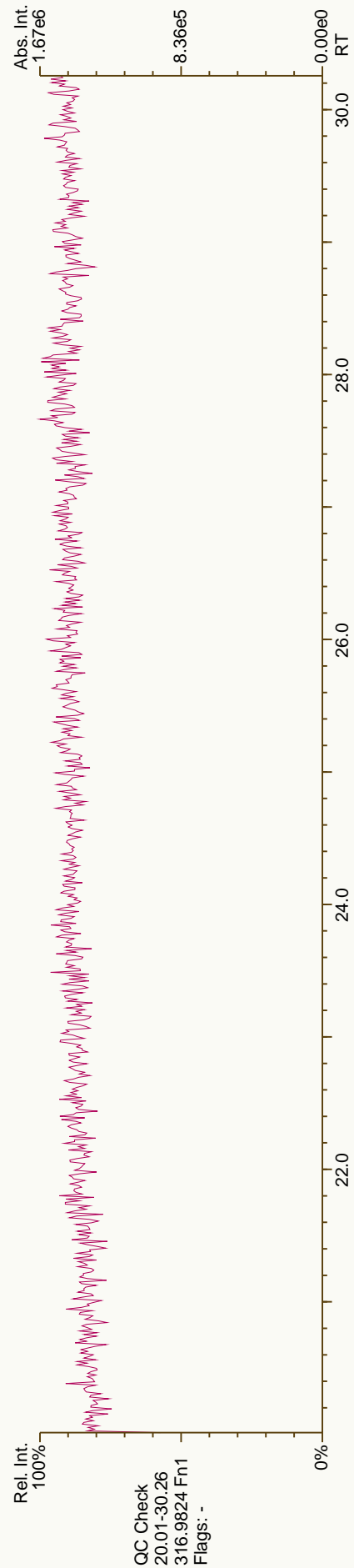
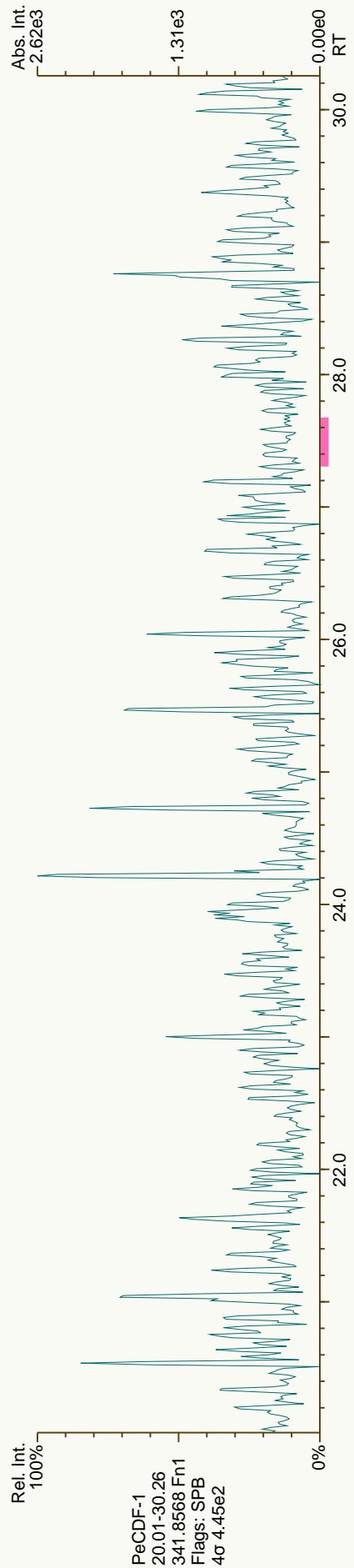
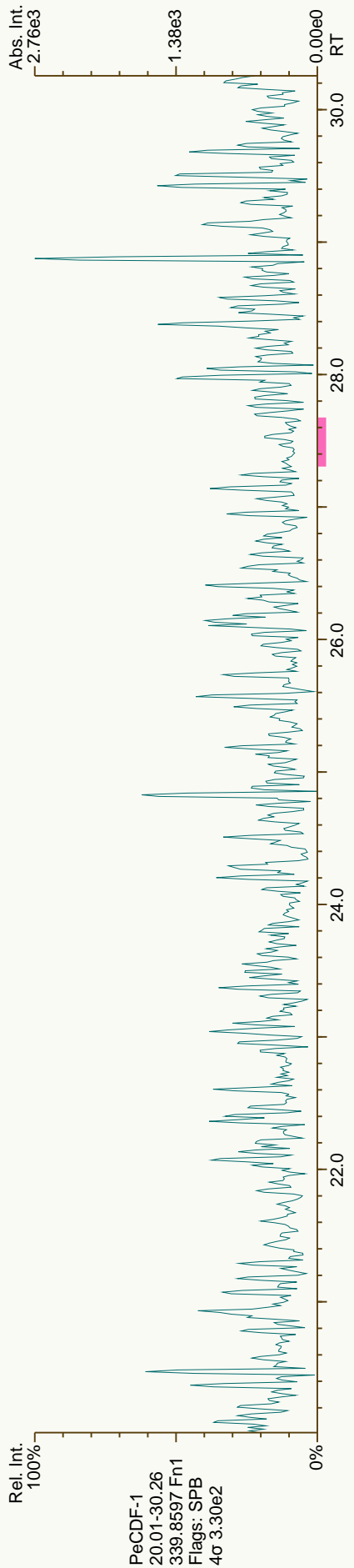


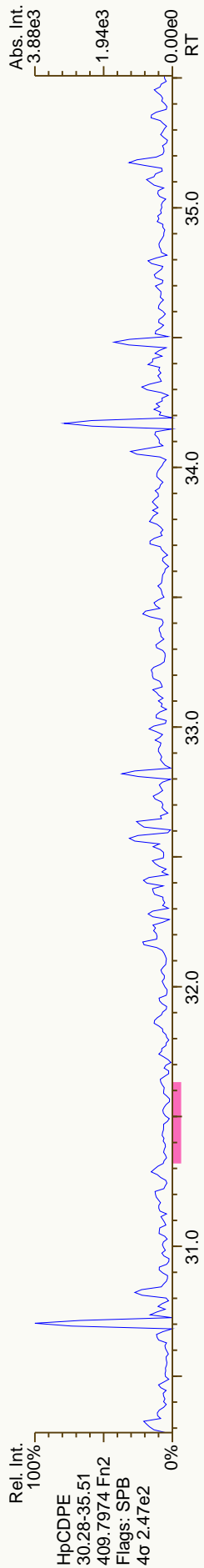
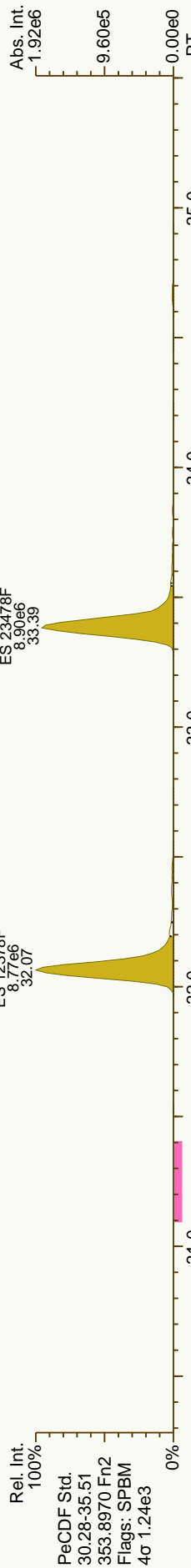
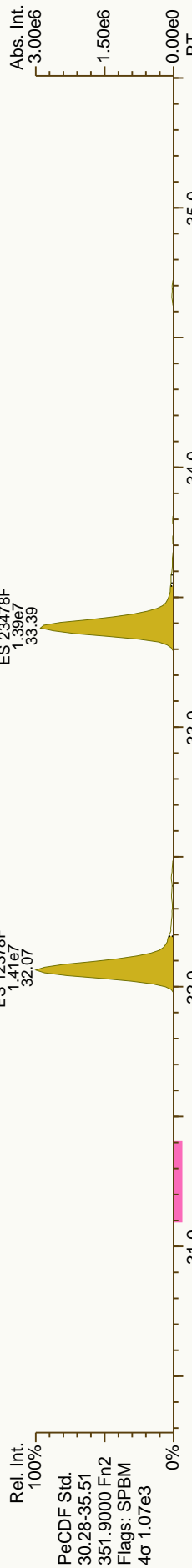
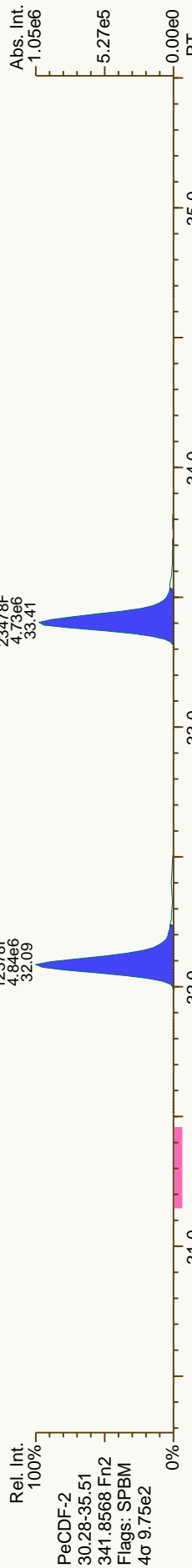
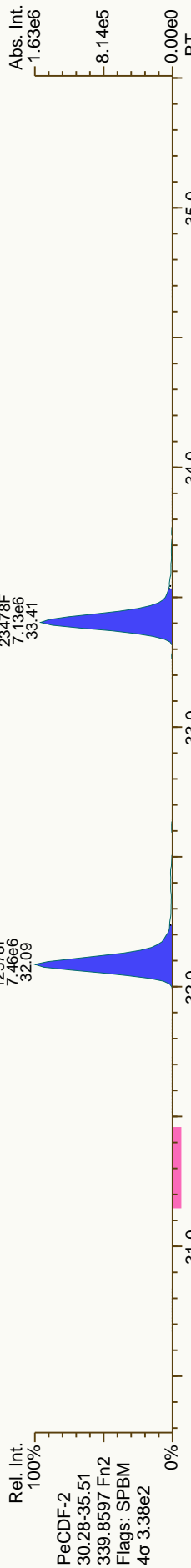


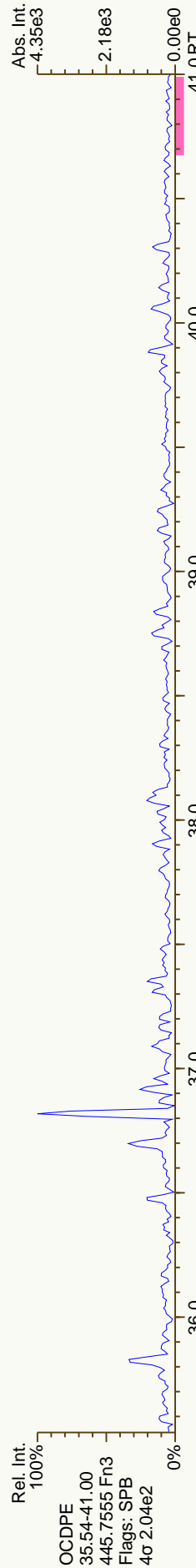
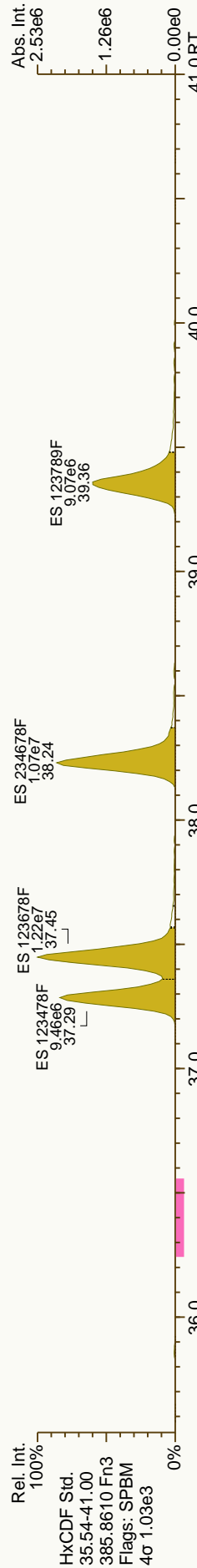
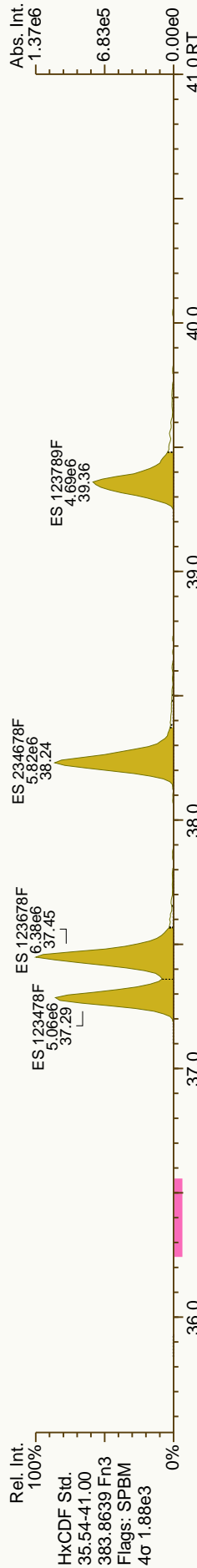
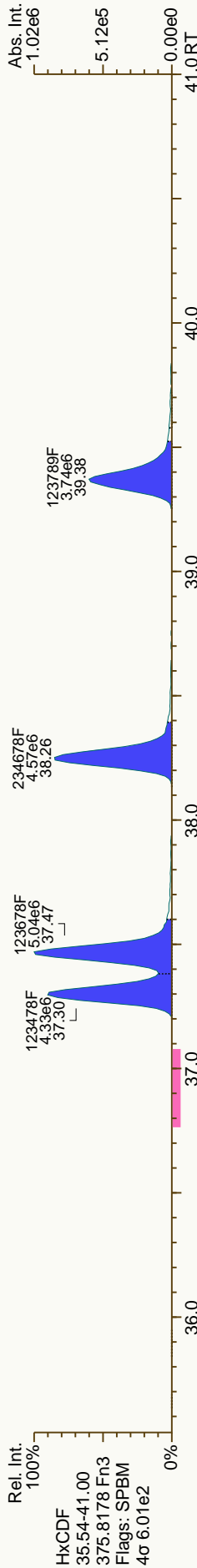
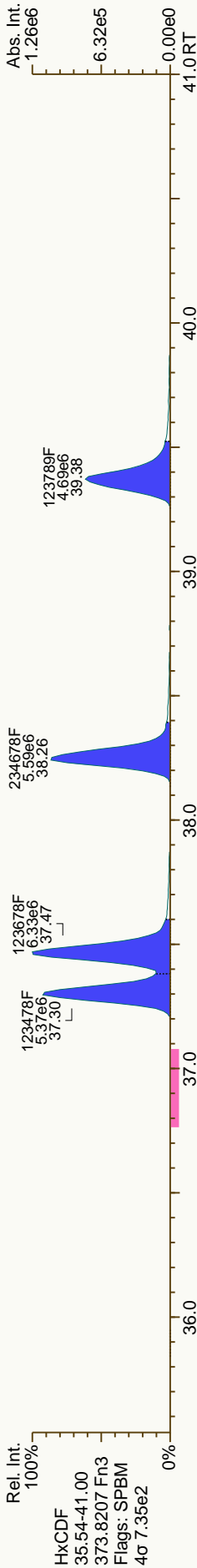


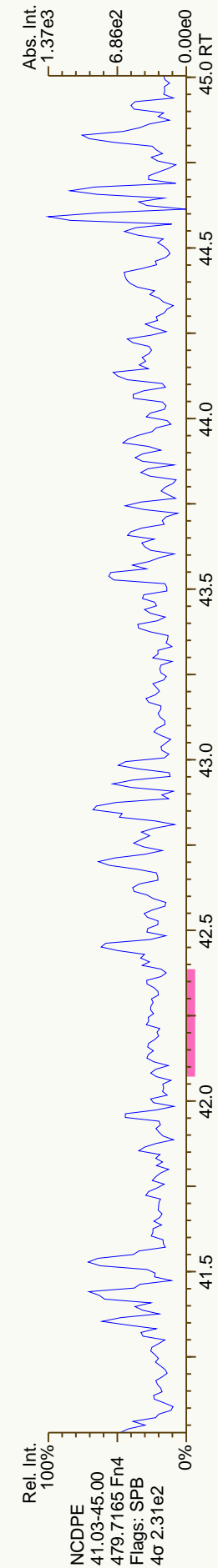
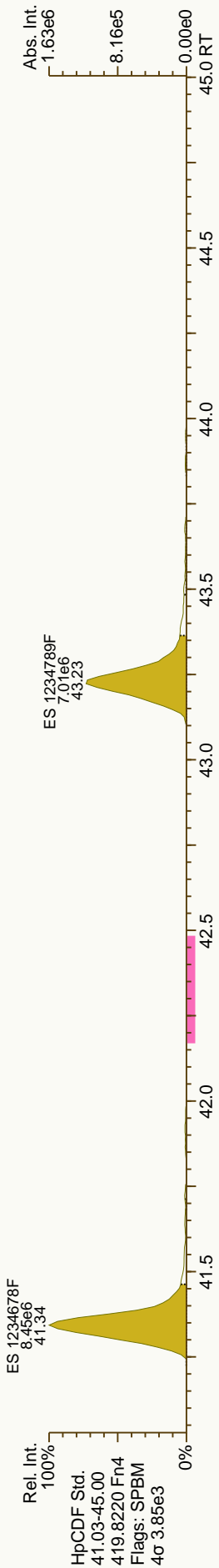
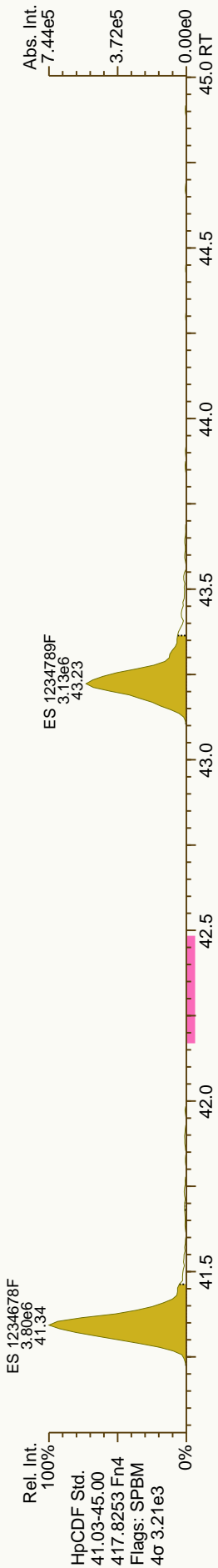
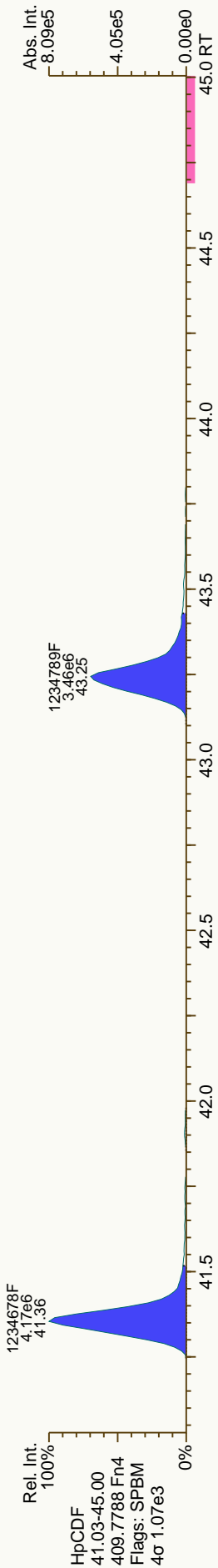
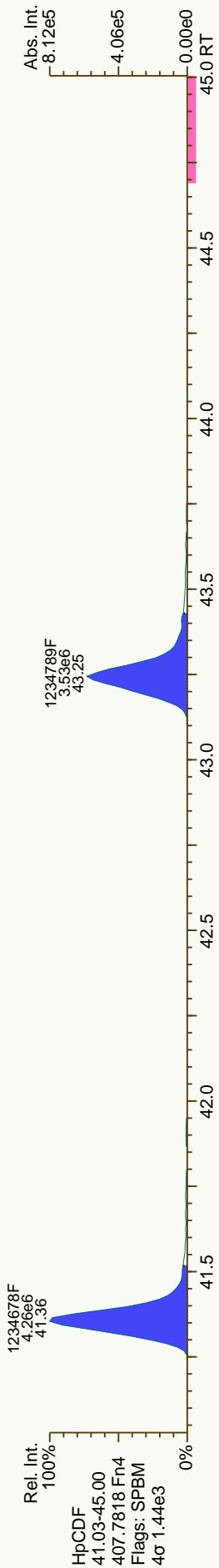


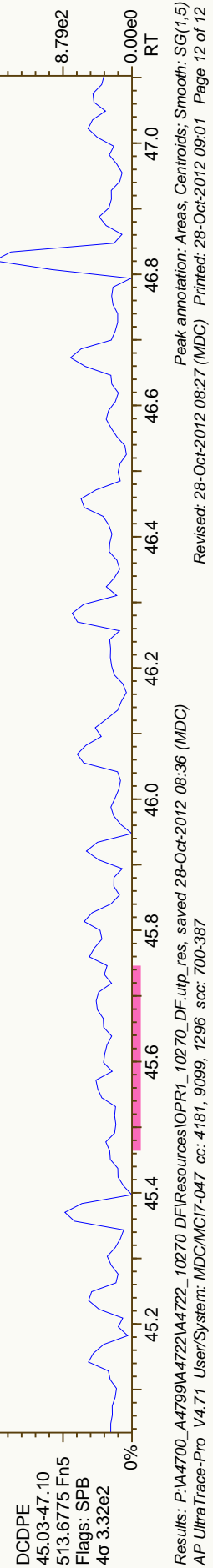
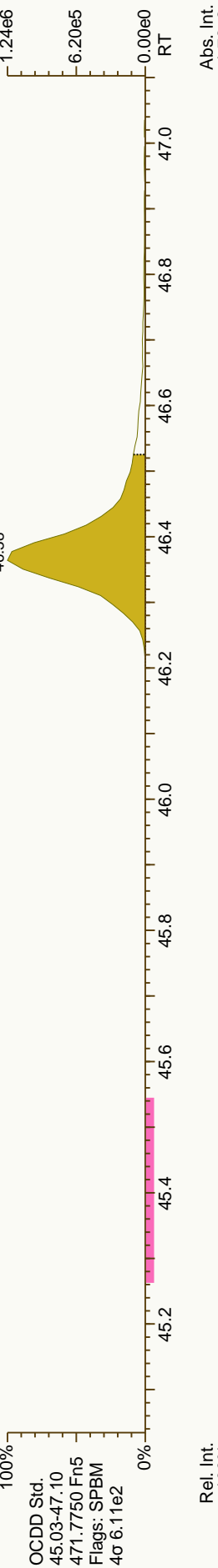
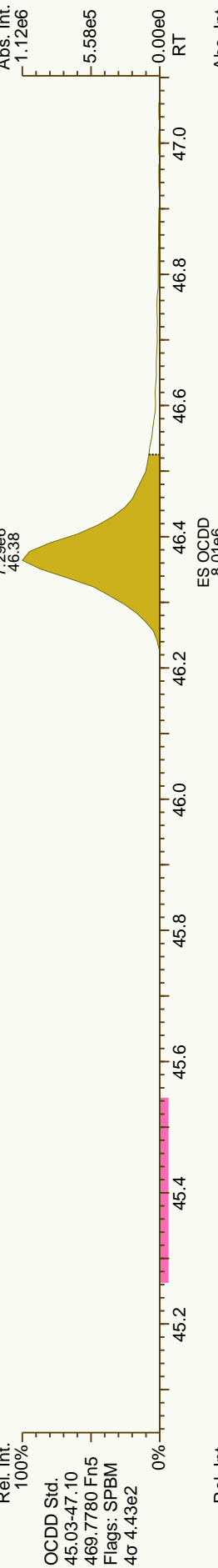
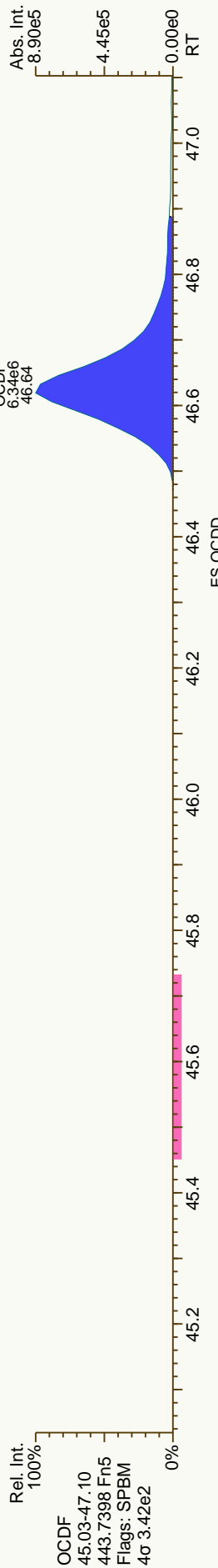
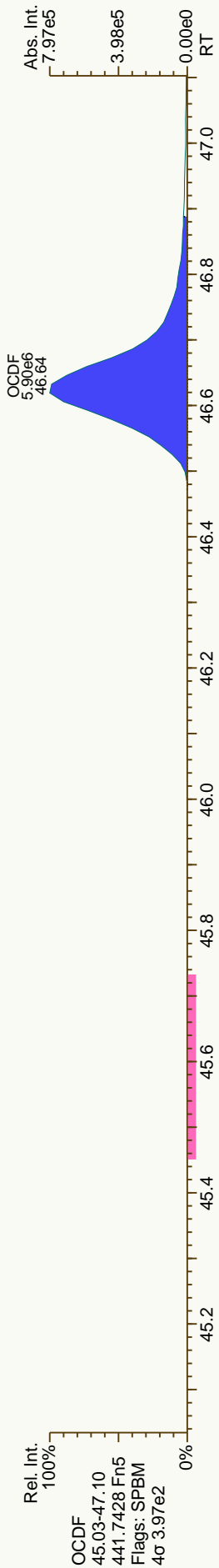














1613 PCDD/F

Solids

Project # A4722-R Batch # 10270

SPIKE PROFILE PCDD/Fs

Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
PCDD/F	ES	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	AS/CS	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	Ax BCS3	0.2 ng	200 uL	1 pg/uL	1	20 uL	Td
	JS Td Batch CS3	2 ng	200 uL	10 pg/uL	1	20 uL	Td

Spiker Initials/Date:		wss 10/22/12		MM 10-23-12		MM 10-25-12	
AP Sample ID	Client Sample ID	PCDD/F ES Amount: 4072	PCDD/F Mx Amount: 4072	PCDD/F CS Amount: 40 uL	PCDD/F JS Amount: 20 uL	Amount:	Amount:
		Observer Initials	Observer Initials	Observer Initials	Observer Initials	Observer Initials	Observer Initials
A4722_10270_003-R	JW-EA08-SS32-120507	MM	—	MM	VS		
MB1_10270	Method Blank	MM	—	MM	VS		
OPR1_10270	0_10270_OPR001	MM	MM	MM	VS		
		10/22/12	10/22/12	10-23-12	10-25-12		

Standard Information

Std. Type	PCDD/F ES	PCDD/F Mx	PCDD/F CS	PCDD/F JS
Spike ID	540-101	540-86	546-85	540-87
SIL #	—	—	—	—
Concentration	0.05 ng/μL	0.005 ng/μL	0.01 ng/μL	0.1 ng/μL
Units	ng/μL	ng/μL	ng/μL	ng/μL
Exp. Date	10/16/13	10/21/13	9-20-13	10-2-13
Spike amount (μL)	40	40	40	20



1613 PCDD/F

Solid

Project # A4722-R Batch # 10270

Inter-Department Communication Sheet

M11613-30-12

Special Instructions

11 samples M11613, 4 samples for 1668A

5500 spikes, OPR

%solids, report on dry-weight basis

Analytical Perspectives - Injection Log

Run file: 121026P4 GC Column: DB5
 MS Method: DF_CL4-8B GC Method: DB5MS_60M

Data file S#	Vial#	Lab ID	Sample ID (Chrom. Text)	Analyst	Acq date	Acq time
121026P4	1	8	CS3_121026_DF_PA	MDC		
121026P4	2	33	OPR1_10265_DF	MDC		
121026P4	3	34	OPR1_10270_DF	MDC		
121026P4	4	15	SBS_121026_DF_PE solvent blank 1	MDC		
121026P4	5	31	MB1_10265_DF_TLX	MDC		
121026P4	6	32	MB1_10270_DF_SDS	MDC		
121026P4	7	35	A4722_10270_DF_003-R	MDC		
121026P4	8	36	A4768_10265_DF_001	MDC		
121026P4	9	37	A4768_10265_DF_002	MDC		
121026P4	10	15	SBS_121026_DF_PF solvent blank 1	MDC		
121026P4	11	8	CS3_121026_DF_PB	MDC		

DL out 2A Oct 12

Batch Summary

Analytical Method: EPA 1668B

Prep Method: EPA 1668B PREP S/D/T

Prep Batch: HXX1803

Prep Date: 10/10/2012 10:29

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Analysis Date</u>	<u>Analytical Batch</u>	<u>Instrument</u>	<u>Analyst</u>
OPR for HBN 30587 [HXX/1803]	95253	10/17/2012 02:09	HRP1313	APHRMS	LKB
MB for HBN 30587 [HXX/1803]	95252	10/17/2012 03:55	HRP1313	APHRMS	LKB
JW-EA09-SS35-120507	31203249010	10/17/2012 04:49	HRP1313	APHRMS	LKB
JW-EA09-SS34-120507	31203249009	10/17/2012 05:43	HRP1313	APHRMS	LKB
JW-EA09-SS36-120507	31203249011	10/17/2012 06:37	HRP1313	APHRMS	LKB
JW-EA09-SS33-120507	31203249008	10/17/2012 07:31	HRP1313	APHRMS	LKB

Method Blank Summary

Blank ID: MB for HBN 30587 [HXX/1803]

Matrix: Soil-Solid as dry weight

Blank Lab ID: 95252

QC for Samples:

31203249008, 31203249009, 31203249010, 31203249011

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
1-MoCB	0.348		J	0.147	1.00	pg/g	10.46	3.24
2-MoCB	0.256		J	0.0910	1.00	pg/g	12.30	3.00
3-MoCB	0.234		J	0.0868	1.00	pg/g	12.46	3.05
4-DiCB	0.336		J	0.0998	1.00	pg/g	12.67	
5-DiCB	ND		U	0.545	1.00	pg/g		
6-DiCB	ND		U	0.544	1.00	pg/g		
7-DiCB	ND		U	0.511	1.00	pg/g		
8-DiCB	0.620		J	0.159	1.00	pg/g	15.20	
9-DiCB	ND		U	0.580	1.00	pg/g		
10-DiCB	ND		U	0.972	1.00	pg/g		
11-DiCB	7.17			0.539	1.00	pg/g	17.37	1.43
12-DiCB C13	ND		U	0.528	2.00	pg/g		
14-DiCB	ND		U	0.458	1.00	pg/g		
15-DiCB	0.233		J	0.150	1.00	pg/g	17.90	
16-TrCB	ND		U	0.202	1.00	pg/g		
17-TrCB	ND		U	0.147	1.00	pg/g		
18-TrCB C30		0.392	J	0.125	2.00	pg/g	17.09	1.26*
19-TrCB	ND		U	0.159	1.00	pg/g		
20-TrCB C28	0.605		J	0.107	2.00	pg/g	20.53	1.00
21-TrCB C33	0.331		J	0.105	2.00	pg/g	20.73	1.02
22-TrCB	0.192		J	0.112	1.00	pg/g	21.06	1.09
23-TrCB	ND		U	0.106	1.00	pg/g		
24-TrCB	ND		U	0.110	1.00	pg/g		
25-TrCB	ND		U	0.105	1.00	pg/g		
26-TrCB C29	ND		U	0.105	2.00	pg/g		
27-TrCB	ND		U	0.108	1.00	pg/g		
31-TrCB	0.445		J	0.101	1.00	pg/g	20.27	1.12
32-TrCB	ND		U	0.103	1.00	pg/g		
34-TrCB	ND		U	0.112	1.00	pg/g		
35-TrCB	ND		U	0.112	1.00	pg/g		
36-TrCB	ND		U	0.104	1.00	pg/g		
37-TrCB	0.135		J	0.107	1.00	pg/g	23.95	0.92
38-TrCB	ND		U	0.114	1.00	pg/g		
39-TrCB	ND		U	0.0986	1.00	pg/g		
40-TeCB C71	0.152		J	0.0747	2.00	pg/g	23.79	0.74
41-TeCB	ND		U	0.101	1.00	pg/g		
42-TeCB	ND		U	0.0825	1.00	pg/g		
43-TeCB	ND		U	0.0993	1.00	pg/g		
44-TeCB C47/65	0.440		J	0.0740	3.00	pg/g	22.94	0.80
45-TeCB	ND		U	0.0875	1.00	pg/g		

Method Blank Summary

Blank ID: MB for HBN 30587 [HXX/1803]

Matrix: Soil-Solid as dry weight

Blank Lab ID: 95252

QC for Samples:

31203249008, 31203249009, 31203249010, 31203249011

Results by EPA 1668B

Parameter	Result	EMPC	Qual	DL	LOQ/CL	Units	RT	Ratio
46-TeCB	ND		U	0.0956	1.00	pg/g		
48-TeCB	ND		U	0.0785	1.00	pg/g		
49-TeCB C69	0.205		J	0.0646	2.00	pg/g	22.51	0.78
50-TeCB C53	ND		U	0.0765	2.00	pg/g		
51-TeCB	ND		U	0.0784	1.00	pg/g		
52-TeCB	0.649		J	0.0803	1.00	pg/g	22.09	0.81
54-TeCB	ND		U	0.0422	1.00	pg/g		
55-TeCB	ND		U	0.0689	1.00	pg/g		
56-TeCB	0.134		J	0.0713	1.00	pg/g	26.99	0.79
57-TeCB	ND		U	0.0665	1.00	pg/g		
58-TeCB	ND		U	0.0662	1.00	pg/g		
59-TeCB C62/75	ND		U	0.0578	3.00	pg/g		
60-TeCB	ND		U	0.0685	1.00	pg/g		
61-TeCB C70/74/76	0.523		J	0.0656	4.00	pg/g	26.17	0.77
63-TeCB	ND		U	0.0604	1.00	pg/g		
64-TeCB	0.133		J	0.0538	1.00	pg/g	23.99	0.71
66-TeCB	0.231		J	0.0690	1.00	pg/g	26.44	0.71
67-TeCB	ND		U	0.0644	1.00	pg/g		
68-TeCB	ND		U	0.0612	1.00	pg/g		
72-TeCB	ND		U	0.0665	1.00	pg/g		
73-TeCB	ND		U	0.0572	1.00	pg/g		
77-TeCB	ND		U	0.0704	1.00	pg/g		
78-TeCB	ND		U	0.0741	1.00	pg/g		
79-TeCB	ND		U	0.0629	1.00	pg/g		
80-TeCB	ND		U	0.0596	1.00	pg/g		
81-TeCB	ND		U	0.0682	1.00	pg/g		
82-PeCB	ND		U	0.104	1.00	pg/g		
83-PeCB	ND		U	0.108	1.00	pg/g		
84-PeCB		0.112	J	0.100	1.00	pg/g	26.33	0.94*
85-PeCB C116	ND		U	0.0683	2.00	pg/g		
86-PeCB C108/119/125/87/97	0.445		J	0.0741	6.00	pg/g	28.85	0.60
88-PeCB	ND		U	0.0881	1.00	pg/g		
89-PeCB	ND		U	0.0923	1.00	pg/g		
90-PeCB C101/113	0.714		J	0.0751	3.00	pg/g	27.91	0.63
91-PeCB	ND		U	0.0793	1.00	pg/g		
92-PeCB	ND		U	0.0885	1.00	pg/g		
93-PeCB C100	ND		U	0.0810	2.00	pg/g		
94-PeCB	ND		U	0.0896	1.00	pg/g		
95-PeCB	0.635		J	0.0844	1.00	pg/g	25.41	0.61
96-PeCB	ND		U	0.0730	1.00	pg/g		

Method Blank Summary

Blank ID: MB for HBN 30587 [HXX/1803]

Matrix: Soil-Solid as dry weight

Blank Lab ID: 95252

QC for Samples:

31203249008, 31203249009, 31203249010, 31203249011

Results by EPA 1668B

Parameter	Result	EMPC	Qual	DL	LOQ/CL	Units	RT	Ratio
98-PeCB	ND		U	0.0873	1.00	pg/g		
99-PeCB	0.226		J	0.0756	1.00	pg/g	28.40	0.63
102-PeCB	ND		U	0.0819	1.00	pg/g		
103-PeCB	ND		U	0.0775	1.00	pg/g		
104-PeCB	ND		U	0.0554	1.00	pg/g		
105-PeCB	0.238		J	0.0706	1.00	pg/g	33.06	0.63
106-PeCB	ND		U	0.0700	1.00	pg/g		
107-PeCB C124	ND		U	0.0664	2.00	pg/g		
109-PeCB	ND		U	0.0625	1.00	pg/g		
111-PeCB	ND		U	0.0617	1.00	pg/g		
110-PeCB	0.669		J	0.0720	1.00	pg/g	29.56	0.69
112-PeCB	ND		U	0.0638	1.00	pg/g		
114-PeCB	ND		U	0.0715	1.00	pg/g		
115-PeCB	ND		U	0.0592	1.00	pg/g		
117-PeCB	ND		U	0.0816	1.00	pg/g		
118-PeCB		0.440	J	0.0669	1.00	pg/g	32.09	0.76*
120-PeCB	ND		U	0.0626	1.00	pg/g		
121-PeCB	ND		U	0.0608	1.00	pg/g		
122-PeCB	ND		U	0.0822	1.00	pg/g		
123-PeCB	ND		U	0.0612	1.00	pg/g		
126-PeCB	ND		U	0.0785	1.00	pg/g		
127-PeCB	ND		U	0.0724	1.00	pg/g		
128-HxCB C166		0.123	J	0.0723	2.00	pg/g	35.74	1.54*
129-HxCB C138/163	1.40		J	0.0591	3.00	pg/g	34.70	1.23
130-HxCB	ND		U	0.0734	1.00	pg/g		
131-HxCB	ND		U	0.0713	1.00	pg/g		
132-HxCB		0.422	J	0.0684	1.00	pg/g	32.16	1.03*
133-HxCB	ND		U	0.0672	1.00	pg/g		
134-HxCB	ND		U	0.0788	1.00	pg/g		
135-HxCB C151	0.593		J	0.0637	2.00	pg/g	30.35	1.22
136-HxCB	0.254		J	0.0480	1.00	pg/g	28.30	1.16
137-HxCB	ND		U	0.0653	1.00	pg/g		
139-HxCB C140	ND		U	0.0605	2.00	pg/g		
141-HxCB	0.331		J	0.0643	1.00	pg/g	33.81	1.33
142-HxCB	ND		U	0.0708	1.00	pg/g		
143-HxCB	ND		U	0.0630	1.00	pg/g		
144-HxCB	ND		U	0.0615	1.00	pg/g		
145-HxCB	ND		U	0.0468	1.00	pg/g		
146-HxCB	0.155		J	0.0594	1.00	pg/g	33.14	1.26
147-HxCB C149	1.19		J	0.0613	2.00	pg/g	31.11	1.21

Method Blank Summary

Blank ID: MB for HBN 30587 [HXX/1803]

Matrix: Soil-Solid as dry weight

Blank Lab ID: 95252

QC for Samples:

31203249008, 31203249009, 31203249010, 31203249011

Results by EPA 1668B

Parameter	Result	EMPC	Qual	DL	LOQ/CL	Units	RT	Ratio
148-HxCB	ND		U	0.0622	1.00	pg/g		
150-HxCB	ND		U	0.0437	1.00	pg/g		
152-HxCB	ND		U	0.0454	1.00	pg/g		
153-HxCB C168	1.06		J	0.0462	2.00	pg/g	33.66	1.24
154-HxCB	ND		U	0.0554	1.00	pg/g		
155-HxCB	ND		U	0.0394	1.00	pg/g		
156-HxCB C157		0.136	J	0.0716	2.00	pg/g	38.17	1.47*
158-HxCB	0.105		J	0.0453	1.00	pg/g	35.03	1.24
159-HxCB	ND		U	0.0626	1.00	pg/g		
160-HxCB	ND		U	0.0517	1.00	pg/g		
161-HxCB	ND		U	0.0485	1.00	pg/g		
162-HxCB	ND		U	0.0604	1.00	pg/g		
164-HxCB		0.0722	J	0.0451	1.00	pg/g	34.43	2.00*
165-HxCB	ND		U	0.0533	1.00	pg/g		
167-HxCB	ND		U	0.0562	1.00	pg/g		
169-HxCB	ND		U	0.0581	1.00	pg/g		
170-HpCB		0.467	J	0.108	1.00	pg/g	40.39	0.83*
171-HpCB C173	0.170		J	0.110	2.00	pg/g	37.44	0.90
172-HpCB	ND		U	0.111	1.00	pg/g		
174-HpCB	0.766		J	0.108	1.00	pg/g	36.53	0.98
175-HpCB	ND		U	0.101	1.00	pg/g		
176-HpCB	ND		U	0.0672	1.00	pg/g		
177-HpCB	0.370		J	0.112	1.00	pg/g	36.91	0.92
178-HpCB	ND		U	0.0990	1.00	pg/g		
179-HpCB		0.217	J	0.0739	1.00	pg/g	32.80	1.42*
180-HpCB C193	1.26		J	0.0868	2.00	pg/g	39.35	1.10
181-HpCB	ND		U	0.0964	1.00	pg/g		
182-HpCB	ND		U	0.0910	1.00	pg/g		
183-HpCB	0.373		J	0.0868	1.00	pg/g	36.37	1.01
184-HpCB	ND		U	0.0738	1.00	pg/g		
185-HpCB	ND		U	0.0991	1.00	pg/g		
186-HpCB	ND		U	0.0715	1.00	pg/g		
187-HpCB	0.687		J	0.0944	1.00	pg/g	35.84	0.95
188-HpCB	ND		U	0.0653	1.00	pg/g		
189-HpCB	ND		U	0.0524	1.00	pg/g		
190-HpCB		0.0925	J	0.0809	1.00	pg/g	40.83	0.78*
191-HpCB	ND		U	0.0810	1.00	pg/g		
192-HpCB	ND		U	0.0843	1.00	pg/g		
194-OcCB	0.384		J	0.0640	1.00	pg/g	44.76	0.94
195-OcCB		0.124	J	0.0687	1.00	pg/g	42.81	1.21*

Method Blank Summary

Blank ID: MB for HBN 30587 [HXX/1803]

Matrix: Soil-Solid as dry weight

Blank Lab ID: 95252

QC for Samples:

31203249008, 31203249009, 31203249010, 31203249011

Results by EPA 1668B

Parameter	Result	EMPC	Qual	DL	LOQ/CL	Units	RT	Ratio
196-OcCB	0.155		J	0.0711	1.00	pg/g	41.54	0.91
197-OcCB	ND		U	0.0485	1.00	pg/g		
198-OcCB C199	0.365		J	0.0740	2.00	pg/g	40.99	1.01
200-OcCB	ND		U	0.0534	1.00	pg/g		
201-OcCB	ND		U	0.0504	1.00	pg/g		
202-OcCB	ND		U	0.0542	1.00	pg/g		
203-OcCB		0.187	J	0.0678	1.00	pg/g	41.70	1.19*
204-OcCB	ND		U	0.0532	1.00	pg/g		
205-OcCB	ND		U	0.0475	1.00	pg/g		
206-NoCB	ND		U	0.117	1.00	pg/g		
207-NoCB	ND		U	0.0952	1.00	pg/g		
208-NoCB	ND		U	0.0876	1.00	pg/g		
209-DeCB	0.0947		J	0.0718	1.00	pg/g	47.94	1.05
Total Monochlorobiphenyls	0.838			0.117		pg/g		
Total Dichlorobiphenyls	8.36			0.125		pg/g		
Total Trichlorobiphenyls	2.10			0.133		pg/g		
Total Tetrachlorobiphenyls	2.46			0.0676		pg/g		
Total Pentachlorobiphenyls	3.48			0.0673		pg/g		
Total Hexachlorobiphenyls	5.85			0.0563		pg/g		
Total Heptachlorobiphenyls	4.40			0.0824		pg/g		
Total Octachlorobiphenyls	1.22			0.0508		pg/g		
Total Nonachlorobiphenyls	ND		U	0.102		pg/g		
Total Decachlorobiphenyl	0.0947			0.0718		pg/g		
Total PCBs	28.8			0.133		pg/g		

Labeled Standards

1L-MoCB	63.0				4.00-100	%		
3L-MoCB	74.0				11.0-106	%		
4L-DiCB	82.0				14.0-107	%		
15L-DiCB	92.0				19.0-107	%		
19L-TrCB	88.0				1.00-108	%		
37L-TrCB	94.0				25.0-123	%		
54L-TeCB	109*				13.0-105	%		
77L-TeCB	99.0				31.0-109	%		
81L-TeCB	105				14.0-127	%		
104L-PeCB	99.0				36.0-115	%		
105L-PeCB	94.0				50.0-111	%		
114L-PeCB	89.0				41.0-121	%		
118L-PeCB	94.0				49.0-111	%		
123L-PeCB	100				49.0-116	%		

Method Blank Summary

Blank ID: MB for HBN 30587 [HXX/1803]

Matrix: Soil-Solid as dry weight

Blank Lab ID: 95252

QC for Samples:

31203249008, 31203249009, 31203249010, 31203249011

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
126L-PeCB	101				50.0-106	%		
155L-HxCB	86.0				25.0-124	%		
156L-HxCB C157L	80.0				40.0-120	%		
167L-HxCB	79.0				45.0-118	%		
169L-HxCB	83.0				37.0-117	%		
188L-HpCB	92.0				23.0-125	%		
189L-HpCB	96.0				47.0-116	%		
202L-OcCB	86.0				31.0-134	%		
205L-OcCB	105				46.0-115	%		
206L-NoCB	102				38.0-122	%		
208L-NoCB	98.0				31.0-126	%		
209L-DeCB	97.0				43.0-115	%		
28L-TrCB	103				14.0-131	%		
111L-PeCB	110				57.0-112	%		
178L-HpCB	111				57.0-125	%		

Batch Information

Analytical Batch: **HRP1313**

Prep Batch: **HXX1803**

Analytical Method: **EPA 1668B**

Prep Method: **EPA 1668B PREP S/D/T**

Instrument: **APHRMS**

Prep Date/Time: **10/10/2012 10:29**

Analyst: **LKB**

Prep Initial Wt./Vol.: **10 g**

Analytical Date/Time: **10/17/2012 03:55**

Prep Extract Vol: **20 uL**



Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00	1.13		ND	2.13E+03	0.0704
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00	1.13		ND	2.13E+03	0.0682
PCB-105 233'44'-PeCB	33.06	J	1.0007	1.0006	-0.2	5.95E+04	0.63	1.09	0.238	1.72E+03	0.0706
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00	1.16		ND	1.72E+03	0.0715
PCB-118 23'44'5'-PeCB	32.09	J EMPC	1.0008	1.0007	-0.2	1.17E+05	0.76	1.11	0.44	1.72E+03	0.0669
PCB-123 23'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00	1.19		ND	1.72E+03	0.0612
PCB-126 33'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00	1.06		ND	1.87E+03	0.0785
PCB-156/157 ...-HxCB	38.17	J EMPC C	1.0005	1.0003	-0.5	3.17E+04	1.47	1.11	0.136	1.24E+03	0.0716
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00	1.14		ND	1.24E+03	0.0562
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00	1.11		ND	1.24E+03	0.0581
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00	1.06		ND	1.04E+03	0.0524
PCB-209 DeCB	47.94	J	1.0004	1.0002	-0.6	1.44E+04	1.05	1.07	0.0947	8.05E+02	0.0718
ES PCB-1	10.44		0.7215	0.7230	+0.9	5.15E+07	3.23	1.08	63.3 %	25%	150%
ES PCB-3	12.45		0.8610	0.8617	+0.5	5.99E+07	3.14	1.08	73.6 %	25%	150%
ES PCB-4	12.66		0.8755	0.8761	+0.5	3.02E+07	1.60	0.49	82.2 %	25%	150%
ES PCB-15	17.89		1.2391	1.2385	-0.6	7.68E+07	1.59	1.11	92 %	25%	150%
ES PCB-19	15.44		1.0683	1.0691	+0.7	3.65E+07	1.04	0.55	87.6 %	25%	150%
ES PCB-37	23.92		1.0844	1.0843	-0.1	6.59E+07	1.07	1.64	93.7 %	25%	150%
ES PCB-54	18.13		0.8213	0.8215	+0.2	4.41E+07	0.76	0.94	109 %	25%	150%
ES PCB-77	30.11		1.3648	1.3646	-0.4	5.74E+07	0.78	1.35	99.1 %	25%	150%
ES PCB-81	29.64		1.3435	1.3434	-0.2	5.79E+07	0.77	1.29	105 %	25%	150%
ES PCB-104	22.88		0.8203	0.8203	0	3.89E+07	1.56	0.99	98.8 %	25%	150%
ES PCB-105	33.04		1.1849	1.1847	-0.4	4.57E+07	1.65	1.23	93.6 %	25%	150%
ES PCB-114	32.51		1.1658	1.1657	-0.2	4.41E+07	1.66	1.25	89.3 %	25%	150%
ES PCB-118	32.06		1.1499	1.1498	-0.2	4.79E+07	1.59	1.28	94.3 %	25%	150%
ES PCB-123	31.79		1.1399	1.1399	0	4.81E+07	1.63	1.22	99.6 %	25%	150%
ES PCB-126	35.64		1.2781	1.2779	-0.4	4.81E+07	1.59	1.20	101 %	25%	150%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	27.71		0.7992	0.7993	+0.2	4.69E+07	1.26	1.50	86.3 %	25%	150%
ES PCB-156/157	38.16		1.1007	1.1006	-0.2	8.45E+07	1.29	1.45	79.9 %	25%	150%
ES PCB-167	37.20		1.0731	1.0730	-0.2	4.31E+07	1.31	1.49	79.4 %	25%	150%
ES PCB-169	40.87		1.1789	1.1789	0	4.24E+07	1.32	1.40	83.1 %	25%	150%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	32.51		0.7266	0.7267	+0.2	3.95E+07	1.09	1.18	92.4 %	25%	150%
ES PCB-189	42.98		0.9608	0.9608	0	4.15E+07	1.05	1.49	95.7 %	25%	150%
ES PCB-202	37.00		0.8271	0.8271	0	3.55E+07	0.91	1.14	86 %	25%	150%
ES PCB-205	45.13		1.0088	1.0088	0	3.68E+07	0.90	1.20	105 %	25%	150%

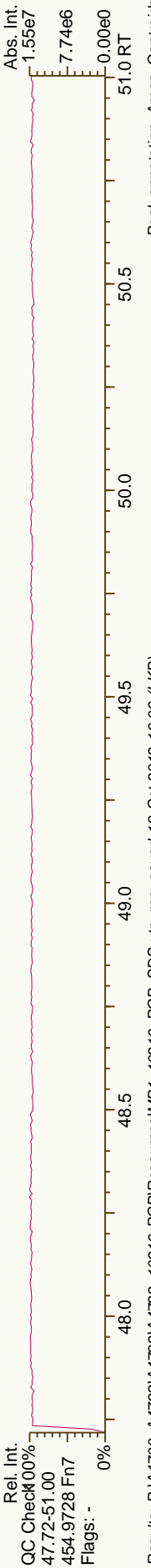
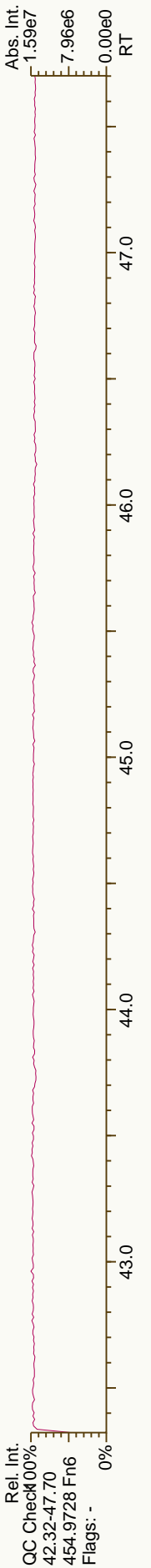
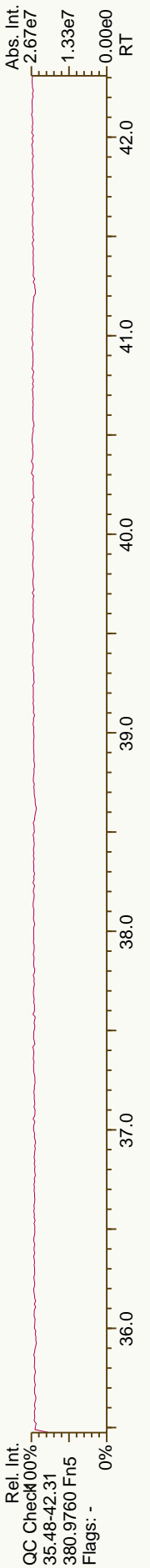
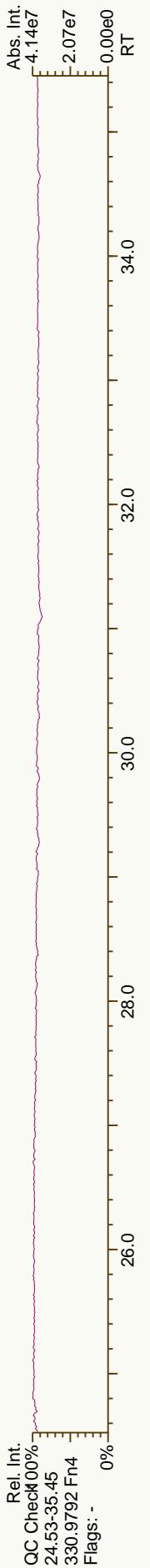
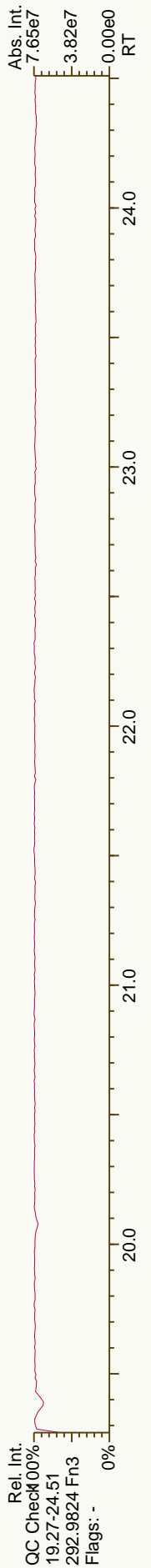
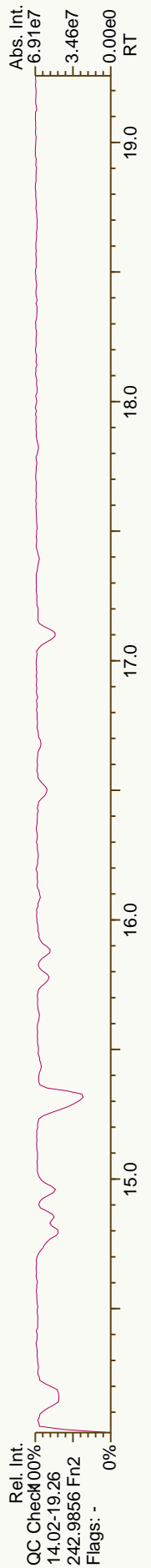
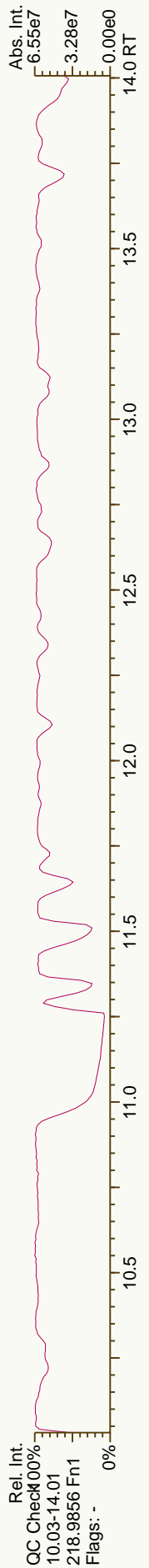
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	46.58		1.0414	1.0413	-0.3	2.58E+07	0.79	0.87	102 %	25 %	150 %
ES PCB-208	42.59		0.9519	0.9519	0	3.39E+07	0.79	1.19	97.6 %	25 %	150 %
ES PCB-209	47.93		1.0714	1.0713	-0.3	2.84E+07	1.19	1.00	97.2 %	25 %	150 %
SS PCB-28	20.51		0.9294	0.9294	0	7.75E+07	1.06	1.07	110 %	30 %	135 %
SS PCB-111	30.16		1.0814	1.0814	0	5.34E+07	1.61	1.01	111 %	30 %	135 %
SS PCB-178	35.06		1.0112	1.0112	0	2.99E+07	1.09	0.63	121 %	30 %	135 %
CS PCB-28	20.51		0.9294	0.9294	0	7.75E+07	1.06	1.76	103 %	30 %	135 %
CS PCB-111	30.16		1.0814	1.0814	0	5.34E+07	1.61	1.23	110 %	30 %	135 %
CS PCB-178	35.06		1.0112	1.0112	0	2.99E+07	1.09	0.74	111 %	30 %	135 %
JS PCB-9	14.45					7.52E+07	1.57				
JS PCB-52	22.07					4.30E+07	0.77				
JS PCB-101	27.89					3.96E+07	1.63				
JS PCB-138	34.67					3.63E+07	1.27				
JS PCB-194	44.74					2.92E+07	0.90				
Totals											
Mono-CBS						0.838		0.838	0.117		
Di-CBS						8.36		8.36	0.125		
Tri-CBS						1.71		2.1	0.133		
Tetra-CBS						2.46		2.46	0.0676		
Penta-CBS						2.93		3.48	0.0673		
Hexa-CBS						5.1		5.85	0.0563		
Hepta-CBS						3.62		4.4	0.0824		
Octa-CBS						0.904		1.22	0.0508		
Nona-CBS						0		0	0.102		
PCB-1 2-MoCB	10.46	J	1.0011	1.0010	-0.1	9.26E+04	3.24	1.03	0.348	4.12E+03	0.147
PCB-2 3-MoCB	12.30	J	0.9880	0.9882	+0.1	7.64E+04	3.00	1.00	0.256	4.12E+03	0.091
PCB-3 4-MoCB	12.46	J	1.0009	1.0010	+0.1	7.30E+04	3.05	1.04	0.234	4.12E+03	0.0868
PCB-4 22'-DiCB	12.67	J	1.0011	1.0013	+0.2	5.94E+04	SI	1.17	0.336	2.63E+03	0.0998
PCB-10 26'-DiCB	NotFnd		1.0140	-		0.00E+00		1.64	ND	3.59E+04	0.972
PCB-9 25'-DiCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	2.40E+04	0.58
PCB-7 24'-DiCB	NotFnd		1.0115	-		0.00E+00		1.05	ND	2.40E+04	0.511
PCB-6 23'-DiCB	NotFnd		1.0256	-		0.00E+00		0.99	ND	2.40E+04	0.544
PCB-5 23'-DiCB	NotFnd		1.0444	-		0.00E+00		0.98	ND	2.40E+04	0.545
PCB-8 24'-DiCB	15.20	J	1.0523	1.0519	-0.4	2.43E+05	SI	1.02	0.62	7.23E+03	0.159
PCB-14 35'-DiCB	NotFnd		0.9302	-		0.00E+00		1.17	ND	2.40E+04	0.458
PCB-11 33'-DiCB	17.37		0.9709	0.9709	0	2.74E+06	1.43	1.00	7.17	2.40E+04	0.539
PCB-13/12 34'/34'-DiCB	NotFnd	C	0.9859	-		0.00E+00		1.02	ND	2.40E+04	0.528
PCB-15 44'-DiCB	17.90	J	1.0008	1.0007	-0.1	9.67E+04	SI	1.08	0.233	7.23E+03	0.15

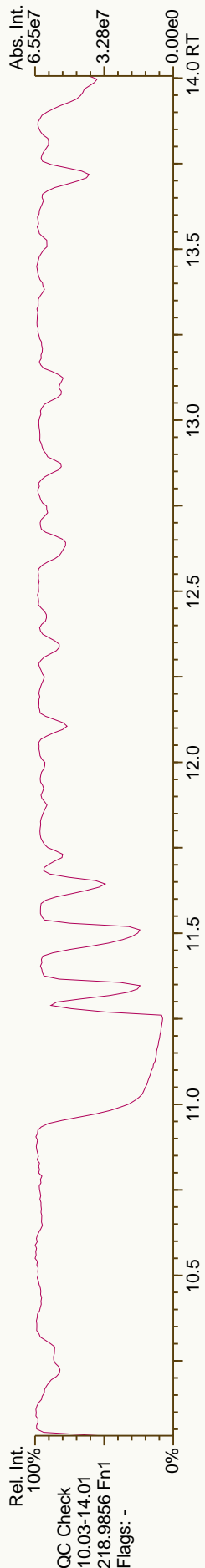
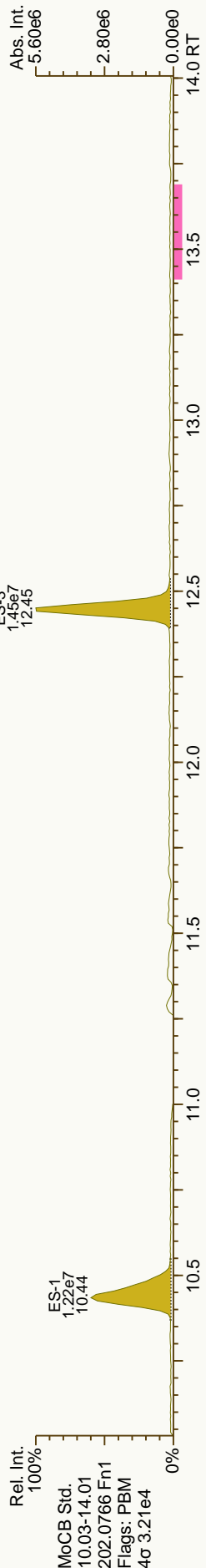
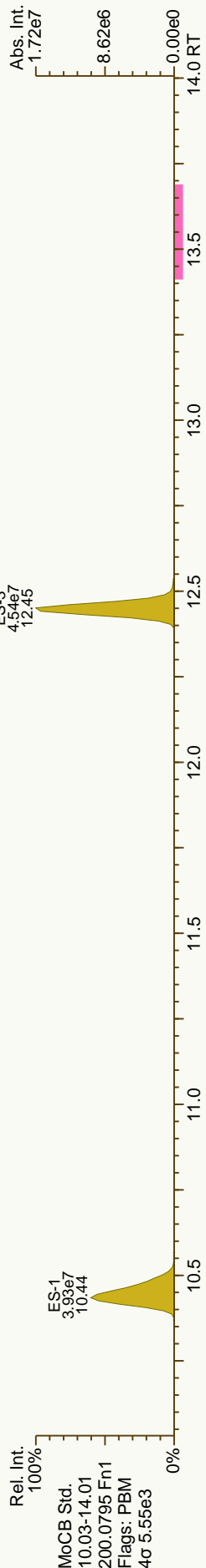
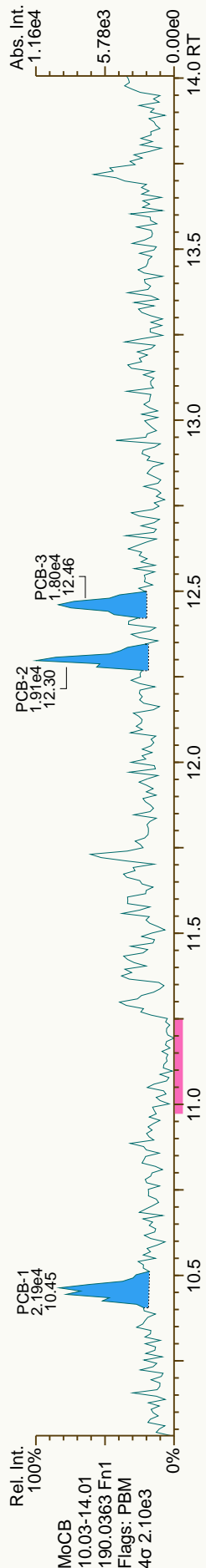
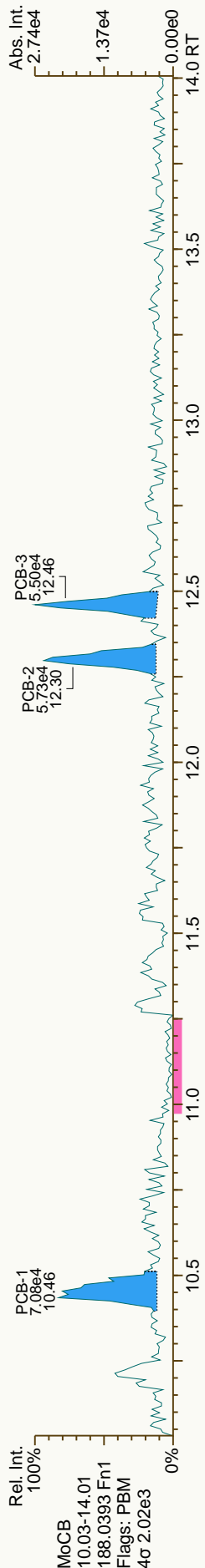
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19	22'6"-TrCB	NotFnd	1.0011	-		0.00E+00		1.09	ND	4.04E+03	0.159
PCB-30/18	246/22'5"-TrCB	J EMPC C	1.1077	1.1068	-0.9	9.93E+04	1.26	1.39	0.392	4.04E+03	0.125
PCB-17	22'4"-TrCB	NotFnd	1.1317	-		0.00E+00		1.18	ND	4.04E+03	0.147
PCB-27	23'6"-TrCB	NotFnd	1.1435	-		0.00E+00		1.61	ND	4.04E+03	0.108
PCB-24	236"-TrCB	NotFnd	1.1514	-		0.00E+00		1.57	ND	4.04E+03	0.11
PCB-16	22'3"-TrCB	NotFnd	1.1568	-		0.00E+00		0.86	ND	4.04E+03	0.202
PCB-32	24'6"-TrCB	NotFnd	1.1866	-		0.00E+00		1.68	ND	4.04E+03	0.103
PCB-34	23'5"-TrCB	NotFnd	0.8111	-		0.00E+00		1.06	ND	3.83E+03	0.112
PCB-23	235"-TrCB	NotFnd	0.8168	-		0.00E+00		1.11	ND	3.83E+03	0.106
PCB-26/29	23'5'/245"-TrCB	NotFnd	0.8282	-		0.00E+00		1.13	ND	3.83E+03	0.105
PCB-25	23'4"-TrCB	NotFnd	0.8361	-		0.00E+00		1.12	ND	3.83E+03	0.105
PCB-31	24'5"-TrCB	20.27	0.8472	0.8474	+0.2	1.72E+05	1.12	1.17	0.445	3.83E+03	0.101
PCB-28/20	244'/233'-TrCB	J C	0.8581	0.8579	-0.2	2.20E+05	1.00	1.10	0.605	3.83E+03	0.107
PCB-21/33	234/23'4"-TrCB	J C	0.8650	0.8663	+1.6	1.22E+05	1.02	1.12	0.331	3.83E+03	0.105
PCB-22	234'-TrCB	J	0.8802	0.8803	+0.1	6.66E+04	1.09	1.05	0.192	3.83E+03	0.112
PCB-36	33'5"-TrCB	NotFnd	0.9366	-		0.00E+00		1.14	ND	3.83E+03	0.104
PCB-39	34'5"-TrCB	NotFnd	0.9494	-		0.00E+00		1.20	ND	3.83E+03	0.0986
PCB-38	345"-TrCB	NotFnd	0.9701	-		0.00E+00		1.04	ND	3.83E+03	0.114
PCB-35	33'4"-TrCB	NotFnd	0.9865	-		0.00E+00		1.06	ND	3.83E+03	0.112
PCB-37	344'-TrCB	J	1.0007	1.0008	+0.1	4.90E+04	0.92	1.10	0.135	3.83E+03	0.107
PCB-54	22'66"-TeCB	NotFnd	1.0010	-		0.00E+00		1.21	ND	1.33E+03	0.0422
PCB-50/53	22'46'/22'56"-TeCB	NotFnd	0.9082	-		0.00E+00		0.82	ND	1.75E+03	0.0765
PCB-45	22'36"-TeCB	NotFnd	0.9329	-		0.00E+00		0.72	ND	1.75E+03	0.0875
PCB-51	22'46'-TeCB	NotFnd	0.9363	-		0.00E+00		0.80	ND	1.75E+03	0.0784
PCB-46	22'36'-TeCB	NotFnd	0.9450	-		0.00E+00		0.66	ND	1.75E+03	0.0956
PCB-52	22'55'-TeCB	22.09	1.0010	1.0010	0	1.47E+05	0.81	0.78	0.649	1.75E+03	0.0803
PCB-73	23'5'6"-TeCB	NotFnd	1.0065	-		0.00E+00		1.10	ND	1.75E+03	0.0572
PCB-43	22'35"-TeCB	NotFnd	1.0102	-		0.00E+00		0.63	ND	1.75E+03	0.0993
PCB-69/49	23'46'/22'45"-TeCB	22.51	1.0192	1.0201	+1.2	5.78E+04	0.78	0.98	0.205	1.75E+03	0.0646
PCB-48	22'45"-TeCB	NotFnd	1.0311	-		0.00E+00		0.80	ND	1.75E+03	0.0785
PCB-44/47/65	...-TeCB	22.94	1.0405	1.0394	-1.5	1.08E+05	0.80	0.85	0.44	1.75E+03	0.074
PCB-59/62/75	...-TeCB	NotFnd	1.0526	-		0.00E+00		1.09	ND	1.75E+03	0.0578
PCB-42	22'34'-TeCB	NotFnd	1.0595	-		0.00E+00		0.76	ND	1.75E+03	0.0825
PCB-41	22'34"-TeCB	NotFnd	1.0737	-		0.00E+00		0.62	ND	1.75E+03	0.101
PCB-71/40	23'4'6'/22'33'-TeCB	23.79	1.0782	1.0784	+0.3	3.71E+04	0.74	0.84	0.152	1.75E+03	0.0747
PCB-64	234'6"-TeCB	23.99	1.0872	1.0872	0	4.50E+04	0.71	1.17	0.133	1.75E+03	0.0538
PCB-72	23'55'-TeCB	NotFnd	0.8338	-		0.00E+00		1.16	ND	2.13E+03	0.0665
PCB-68	23'45'-TeCB	NotFnd	0.8421	-		0.00E+00		1.26	ND	2.13E+03	0.0612
PCB-57	233'5"-TeCB	NotFnd	0.8540	-		0.00E+00		1.16	ND	2.13E+03	0.0665
PCB-58	233'5'-TeCB	NotFnd	0.8605	-		0.00E+00		1.16	ND	2.13E+03	0.0662
PCB-67	23'45"-TeCB	NotFnd	0.8657	-		0.00E+00		1.19	ND	2.13E+03	0.0644
PCB-63	234'5"-TeCB	NotFnd	0.8731	-		0.00E+00		1.27	ND	2.13E+03	0.0604
PCB-61/70/74/76	...-TeCB	26.17	0.8824	0.8829	+0.8	1.77E+05	0.77	1.17	0.523	2.13E+03	0.0656
PCB-66	23'44'-TeCB	26.44	0.8919	0.8920	+0.2	7.46E+04	0.71	1.11	0.231	2.13E+03	0.069
PCB-55	233'4"-TeCB	NotFnd	0.8963	-		0.00E+00		1.12	ND	2.13E+03	0.0689

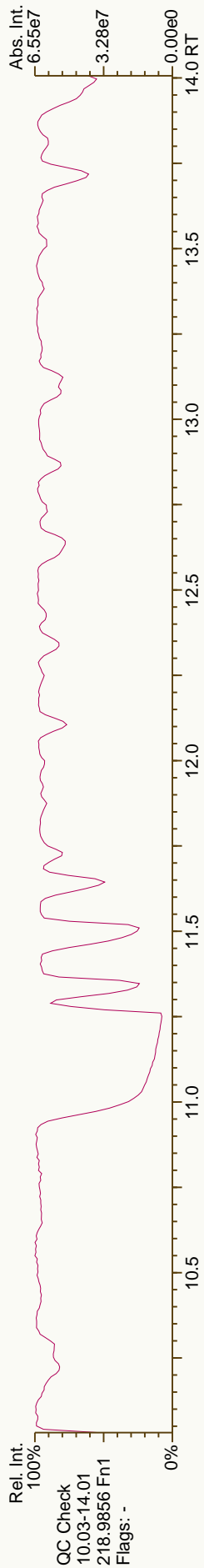
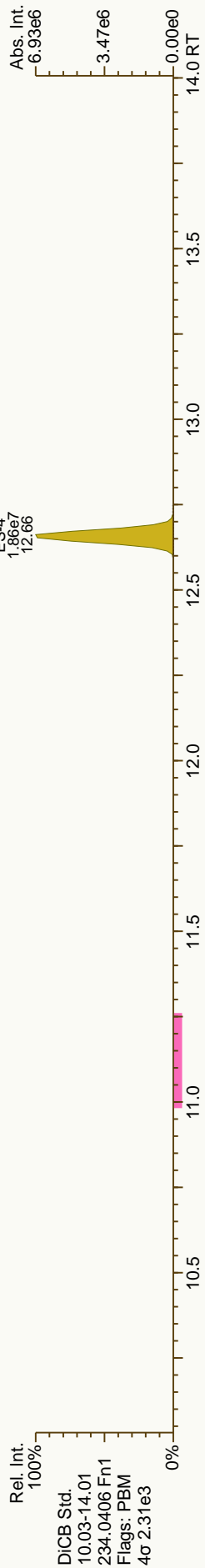
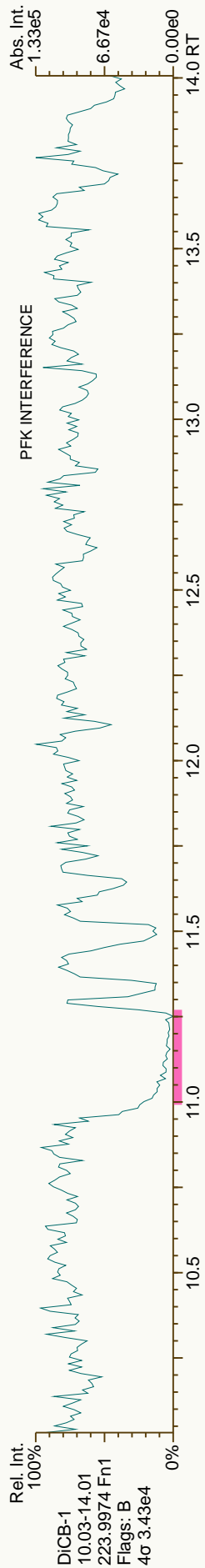
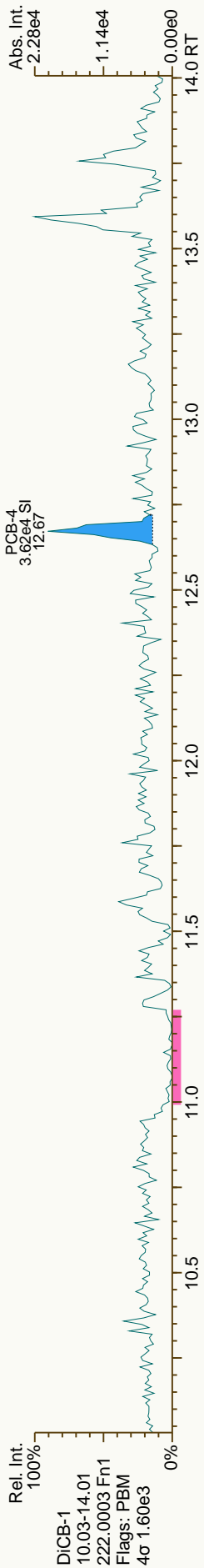
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56	233'4'-TeCB	J	0.9106	0.9106	0	4.18E+04	0.79	1.08	0.134	2.13E+03	0.0713
PCB-60	234'-TeCB	NotFnd	0.9169	-	-	0.00E+00	-	1.12	ND	2.13E+03	0.0685
PCB-80	33'55'-TeCB	NotFnd	0.9292	-	-	0.00E+00	-	1.29	ND	2.13E+03	0.0596
PCB-79	33'45'-TeCB	NotFnd	0.9724	-	-	0.00E+00	-	1.22	ND	2.13E+03	0.0629
PCB-78	33'45'-TeCB	NotFnd	0.9882	-	-	0.00E+00	-	1.04	ND	2.13E+03	0.0741
PCB-104	22'466'-PeCB	NotFnd	1.0009	-	-	0.00E+00	-	1.25	ND	1.49E+03	0.0554
PCB-96	22'366'-PeCB	NotFnd	1.0138	-	-	0.00E+00	-	0.95	ND	1.49E+03	0.073
PCB-103	22'45'6'-PeCB	NotFnd	0.8916	-	-	0.00E+00	-	0.94	ND	1.72E+03	0.0775
PCB-94	22'356'-PeCB	NotFnd	0.8978	-	-	0.00E+00	-	0.81	ND	1.72E+03	0.0896
PCB-95	22'35'6'-PeCB	J	0.9111	0.9111	0	1.31E+05	0.61	0.86	0.635	1.72E+03	0.0844
PCB-100/93	22'44'6'/22'356'-PeCB	C	0.9186	-	-	0.00E+00	-	0.90	ND	1.72E+03	0.081
PCB-102	22'456'-PeCB	NotFnd	0.9226	-	-	0.00E+00	-	0.89	ND	1.72E+03	0.0819
PCB-98	22'34'6'-PeCB	NotFnd	0.9249	-	-	0.00E+00	-	0.83	ND	1.72E+03	0.0873
PCB-88	22'346'-PeCB	NotFnd	0.9350	-	-	0.00E+00	-	0.83	ND	1.72E+03	0.0881
PCB-91	22'34'6'-PeCB	NotFnd	0.9375	-	-	0.00E+00	-	0.92	ND	1.72E+03	0.0793
PCB-84	22'33'6'-PeCB	J EMPC	0.9438	0.9440	+0.3	1.95E+04	0.94	0.72	0.112	1.72E+03	0.1
PCB-89	22'346'-PeCB	NotFnd	0.9584	-	-	0.00E+00	-	0.79	ND	1.72E+03	0.0923
PCB-121	23'45'6'-PeCB	NotFnd	0.9722	-	-	0.00E+00	-	1.20	ND	1.72E+03	0.0608
PCB-92	22'355'-PeCB	NotFnd	0.9830	-	-	0.00E+00	-	0.82	ND	1.72E+03	0.0885
PCB-113/90/101	...-PeCB	J C	0.9999	1.0009	+1.7	1.66E+05	0.63	0.97	0.714	1.72E+03	0.0751
PCB-83	22'33'5'-PeCB	NotFnd	1.0148	-	-	0.00E+00	-	0.68	ND	1.72E+03	0.108
PCB-99	22'44'5'-PeCB	J	1.0185	1.0185	0	5.22E+04	0.63	0.96	0.226	1.72E+03	0.0756
PCB-112	233'56'-PeCB	NotFnd	1.0218	-	-	0.00E+00	-	1.14	ND	1.72E+03	0.0638
PCB-108/119/86/97/125	...-PeCB	J C	1.0339	1.0345	+1.0	1.05E+05	0.60	0.98	0.445	1.72E+03	0.0741
PCB-117	234'56'-PeCB	NotFnd	1.0526	-	-	0.00E+00	-	0.89	ND	1.72E+03	0.0816
PCB-116/85	23456'/22'344'-PeCB	C	1.0553	-	-	0.00E+00	-	1.06	ND	1.72E+03	0.0683
PCB-110	233'4'6'-PeCB	J	1.0599	1.0599	0	1.62E+05	0.69	1.01	0.669	1.72E+03	0.072
PCB-115	2344'6'-PeCB	NotFnd	1.0629	-	-	0.00E+00	-	1.23	ND	1.72E+03	0.0592
PCB-82	22'33'4'-PeCB	NotFnd	1.0693	-	-	0.00E+00	-	0.70	ND	1.72E+03	0.104
PCB-111	233'55'-PeCB	NotFnd	1.0822	-	-	0.00E+00	-	1.18	ND	1.72E+03	0.0617
PCB-120	23'455'-PeCB	NotFnd	1.0962	-	-	0.00E+00	-	1.16	ND	1.72E+03	0.0626
PCB-107/124	...-PeCB	C	0.9911	-	-	0.00E+00	-	1.09	ND	1.72E+03	0.0664
PCB-109	233'46'-PeCB	NotFnd	0.9974	-	-	0.00E+00	-	1.16	ND	1.72E+03	0.0625
PCB-106	233'45'-PeCB	NotFnd	1.0038	-	-	0.00E+00	-	1.04	ND	1.72E+03	0.07
PCB-122	233'4'5'-PeCB	NotFnd	1.0093	-	-	0.00E+00	-	1.01	ND	1.72E+03	0.0822
PCB-127	33'455'-PeCB	NotFnd	1.0386	-	-	0.00E+00	-	1.07	ND	1.72E+03	0.0724
PCB-155	22'44'66'-HxCB	NotFnd	1.0008	-	-	0.00E+00	-	1.09	ND	1.03E+03	0.0394
PCB-152	22'3566'-HxCB	NotFnd	1.0056	-	-	0.00E+00	-	0.95	ND	1.03E+03	0.0454
PCB-150	22'34'66'-HxCB	NotFnd	1.0111	-	-	0.00E+00	-	0.98	ND	1.03E+03	0.0437
PCB-136	22'33'66'-HxCB	J	1.0213	1.0212	-0.2	5.34E+04	1.16	0.90	0.254	1.03E+03	0.048
PCB-145	22'3466'-HxCB	NotFnd	1.0309	-	-	0.00E+00	-	0.92	ND	1.03E+03	0.0468
PCB-148	22'34'56'-HxCB	NotFnd	1.0774	-	-	0.00E+00	-	0.69	ND	1.03E+03	0.0622
PCB-151/135	...-HxCB	J C	1.0955	1.0951	-0.7	9.38E+04	1.22	0.67	0.593	1.03E+03	0.0637
PCB-154	22'44'56'-HxCB	NotFnd	1.1032	-	-	0.00E+00	-	0.78	ND	1.03E+03	0.0554
PCB-144	22'345'6'-HxCB	NotFnd	1.1122	-	-	0.00E+00	-	0.70	ND	1.03E+03	0.0615

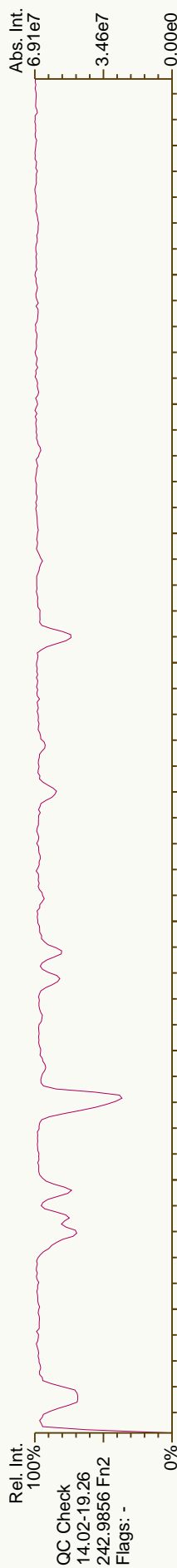
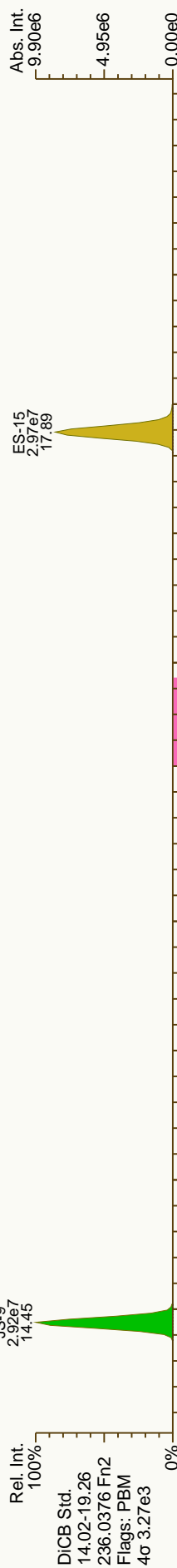
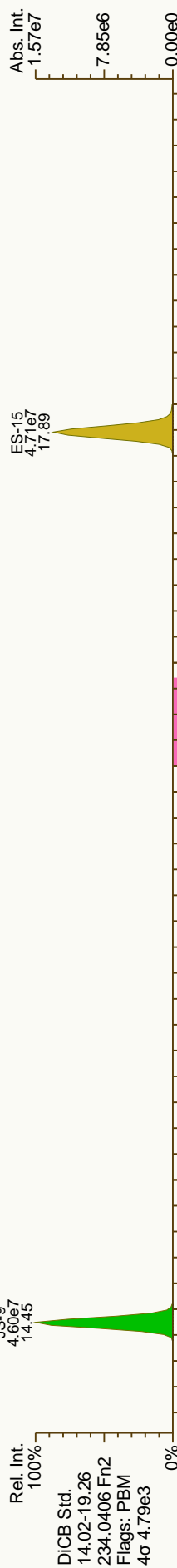
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	31.11	J C	1.1230	1.1228	-0.4	1.96E+05	1.21	0.70	1.19	1.03E+03	0.0613
PCB-134 22'33'56'-HxCB	NotFnd		1.1286	-		0.00E+00		0.54	ND	1.03E+03	0.0788
PCB-143 22'3456'-HxCB	NotFnd		1.1315	-		0.00E+00		0.68	ND	1.03E+03	0.063
PCB-139/140 ...-HxCB	NotFnd	C	1.1413	-		0.00E+00		0.71	ND	1.03E+03	0.0605
PCB-131 22'33'46'-HxCB	NotFnd		1.1470	-		0.00E+00		0.60	ND	1.03E+03	0.0713
PCB-142 22'3456'-HxCB	NotFnd		1.1518	-		0.00E+00		0.61	ND	1.03E+03	0.0708
PCB-132 22'33'46'-HxCB	32.16	J EMPC	1.1605	1.1604	-0.2	6.21E+04	1.03	0.63	0.422	1.03E+03	0.0684
PCB-133 22'33'55'-HxCB	NotFnd		1.1765	-		0.00E+00		0.64	ND	1.03E+03	0.0672
PCB-165 233'55'6'-HxCB	NotFnd		0.9500	-		0.00E+00		0.81	ND	1.03E+03	0.0533
PCB-146 22'34'55'-HxCB	33.14	J	0.9560	0.9558	-0.4	2.62E+04	1.26	0.72	0.155	1.03E+03	0.0594
PCB-161 233'45'6'-HxCB	NotFnd		0.9593	-		0.00E+00		0.89	ND	1.03E+03	0.0485
PCB-153/168 ...-HxCB	33.66	J C	0.9715	0.9709	-1.2	2.32E+05	1.24	0.93	1.06	1.03E+03	0.0462
PCB-141 22'3455'-HxCB	33.81	J	0.9753	0.9752	-0.2	5.18E+04	1.33	0.67	0.331	1.03E+03	0.0643
PCB-130 22'33'45'-HxCB	NotFnd		0.9850	-		0.00E+00		0.59	ND	1.03E+03	0.0734
PCB-137 22'344'5'-HxCB	NotFnd		0.9906	-		0.00E+00		0.66	ND	1.03E+03	0.0653
PCB-164 233'4'5'6'-HxCB	34.43	J EMPC	0.9931	0.9931	0	1.61E+04	2.00	0.95	0.0722	1.03E+03	0.0451
PCB-163/138/129 ...-HxCB	34.70	J C	1.0012	1.0008	-0.8	2.39E+05	1.23	0.73	1.4	1.03E+03	0.0591
PCB-160 233'456'-HxCB	NotFnd		1.0048	-		0.00E+00		0.83	ND	1.03E+03	0.0517
PCB-158 233'44'6'-HxCB	35.03	J	1.0103	1.0104	+0.2	2.34E+04	1.24	0.95	0.105	1.03E+03	0.0453
PCB-128/166 ...-HxCB	35.74	J EMPC C	0.9607	0.9608	+0.2	2.34E+04	1.54	0.88	0.123	1.24E+03	0.0723
PCB-159 233'455'-HxCB	NotFnd		0.9834	-		0.00E+00		1.02	ND	1.24E+03	0.0626
PCB-162 233'4'55'-HxCB	NotFnd		0.9898	-		0.00E+00		1.06	ND	1.24E+03	0.0604
PCB-188 22'34'566'-HxCB	NotFnd		1.0006	-		0.00E+00		1.03	ND	1.27E+03	0.0653
PCB-179 22'33'566'-HxCB	32.80	J EMPC	1.0088	1.0090	+0.4	3.92E+04	1.42	0.91	0.217	1.27E+03	0.0739
PCB-184 22'344'66'-HxCB	NotFnd		1.0231	-		0.00E+00		0.91	ND	1.27E+03	0.0738
PCB-176 22'33'466'-HxCB	NotFnd		1.0317	-		0.00E+00		1.00	ND	1.27E+03	0.0672
PCB-186 22'34566'-HxCB	NotFnd		1.0434	-		0.00E+00		0.94	ND	1.27E+03	0.0715
PCB-178 22'33'55'6'-HxCB	NotFnd		1.0791	-		0.00E+00		0.68	ND	1.27E+03	0.099
PCB-175 22'33'45'6'-HxCB	NotFnd		1.0956	-		0.00E+00		0.77	ND	1.47E+03	0.101
PCB-187 22'34'55'6'-HxCB	35.84	J	1.1026	1.1025	-0.2	1.12E+05	0.95	0.83	0.687	1.47E+03	0.0944
PCB-182 22'344'56'-HxCB	NotFnd		1.1079	-		0.00E+00		0.86	ND	1.47E+03	0.091
PCB-183 22'344'5'6'-HxCB	36.37	J	1.1185	1.1186	+0.2	6.62E+04	1.01	0.90	0.373	1.47E+03	0.0868
PCB-185 22'3455'6'-HxCB	NotFnd		1.1208	-		0.00E+00		0.79	ND	1.47E+03	0.0991
PCB-174 22'33'456'-HxCB	36.53	J	1.1240	1.1238	-0.4	1.09E+05	0.98	0.72	0.766	1.47E+03	0.108
PCB-177 22'33'45'6'-HxCB	36.91	J	1.1353	1.1353	0	5.09E+04	0.92	0.70	0.37	1.47E+03	0.112
PCB-181 22'344'56'-HxCB	NotFnd		1.1459	-		0.00E+00		0.81	ND	1.47E+03	0.0964
PCB-171/173 ...-HxCB	37.44	J C	1.1512	1.1516	+0.9	2.38E+04	0.90	0.71	0.17	1.47E+03	0.11
PCB-172 22'33'455'-HxCB	NotFnd		0.9026	-		0.00E+00		0.71	ND	1.47E+03	0.111
PCB-192 233'455'6'-HxCB	NotFnd		0.9083	-		0.00E+00		0.93	ND	1.47E+03	0.0843
PCB-180/193 ...-HxCB	39.35	J C	0.9146	0.9154	+1.9	2.35E+05	1.10	0.90	1.26	1.47E+03	0.0868
PCB-191 233'44'5'6'-HxCB	NotFnd		0.9222	-		0.00E+00		0.97	ND	1.47E+03	0.081
PCB-170 22'33'44'5'-HxCB	40.39	J EMPC	0.9396	0.9396	0	7.00E+04	0.83	0.72	0.467	1.47E+03	0.108
PCB-190 233'44'56'-HxCB	40.83	J EMPC	0.9500	0.9499	-0.2	1.85E+04	0.78	0.97	0.0925	1.47E+03	0.0809
PCB-202 22'33'55'66'-OCCB	NotFnd		1.0006	-		0.00E+00		0.91	ND	7.80E+02	0.0542
PCB-201 22'33'45'66'-OCCB	NotFnd		1.0215	-		0.00E+00		0.98	ND	7.80E+02	0.0504

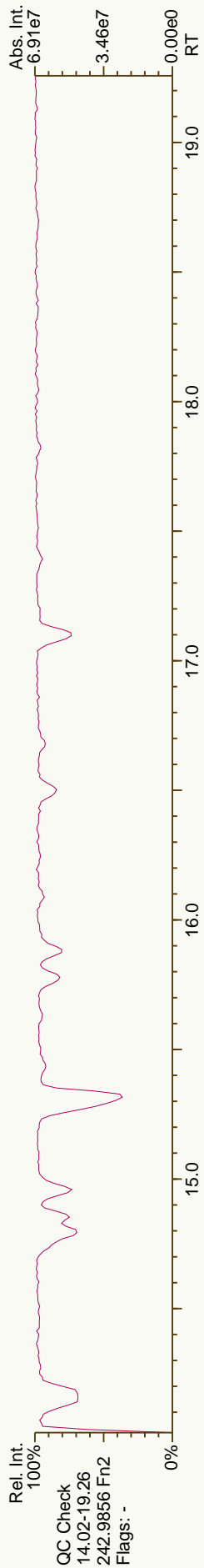
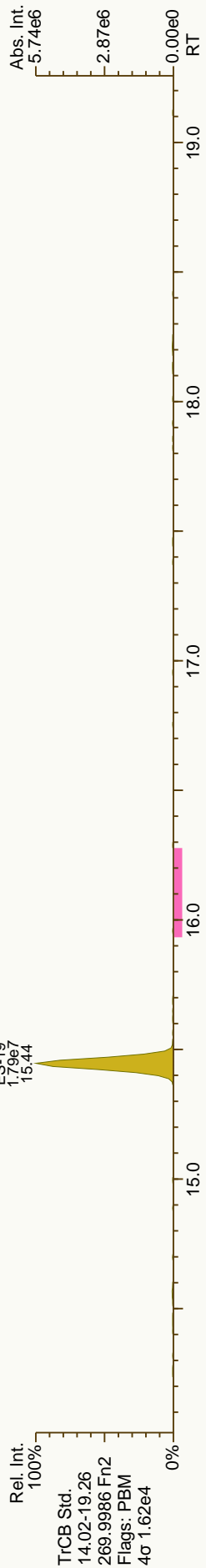
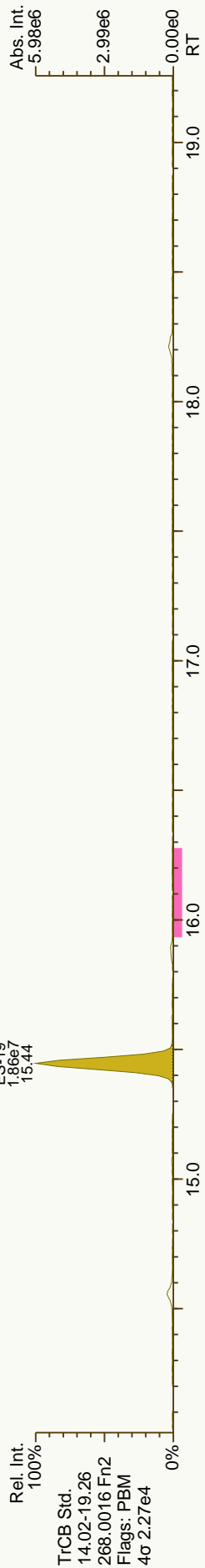
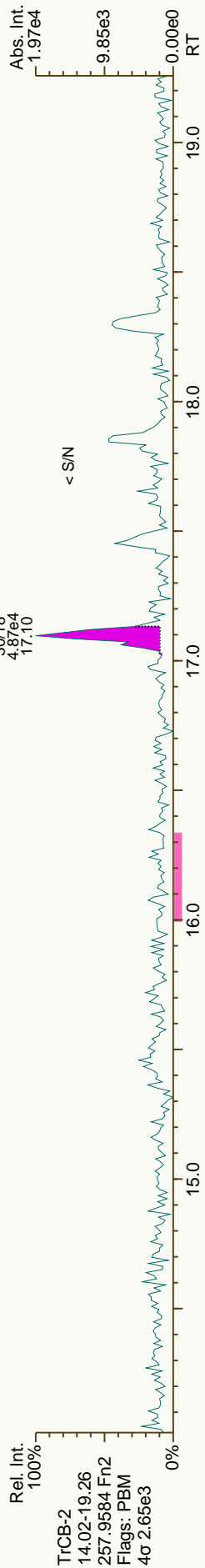
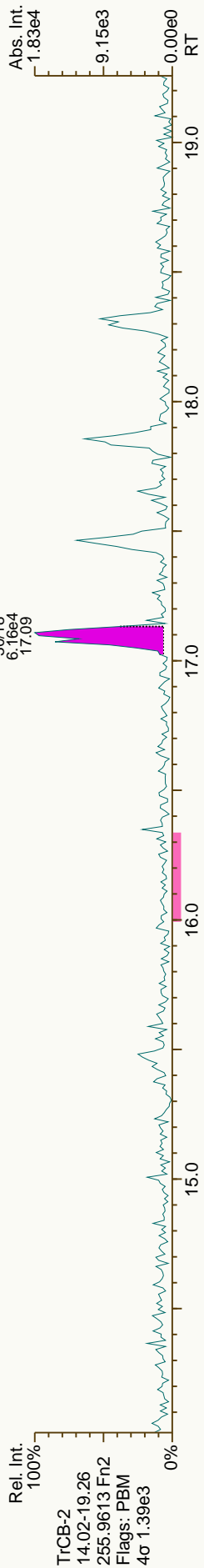
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204	22'344'566'-OCCB		1.0369	-		0.00E+00		0.93	ND	7.80E+02	0.0532
PCB-197	22'33'44'66'-OCCB		1.0420	-		0.00E+00		1.02	ND	7.80E+02	0.0485
PCB-200	22'33'4566'-OCCB		1.0441	-		0.00E+00		0.93	ND	7.80E+02	0.0534
PCB-198/199	...-OCCB	J C	1.1072	1.1078	+1.5	4.34E+04	1.01	0.67	0.365	7.80E+02	0.074
PCB-196	22'33'44'56'-OCCB	J	1.1225	1.1227	+0.5	1.92E+04	0.91	0.70	0.155	7.80E+02	0.0711
PCB-203	22'344'55'6-OCCB	J EMPC	1.1270	1.1269	-0.3	2.43E+04	1.19	0.73	0.187	7.80E+02	0.0678
PCB-195	22'33'44'56-OCCB	J EMPC	0.9483	0.9485	+0.5	1.71E+04	1.21	0.75	0.124	8.44E+02	0.0687
PCB-194	22'33'44'55'-OCCB	J	0.9917	0.9917	0	5.70E+04	0.94	0.81	0.384	8.44E+02	0.064
PCB-205	233'44'55'6-OCCB		1.0004	-		0.00E+00		1.09	ND	8.44E+02	0.0475
PCB-208	22'33'455'66'-NoCB		1.0005	-		0.00E+00		1.02	ND	1.21E+03	0.0876
PCB-207	22'33'44'566'-NoCB		1.0188	-		0.00E+00		0.94	ND	1.21E+03	0.0952
PCB-206	22'33'44'55'6-NoCB		1.0004	-		0.00E+00		0.98	ND	1.21E+03	0.117



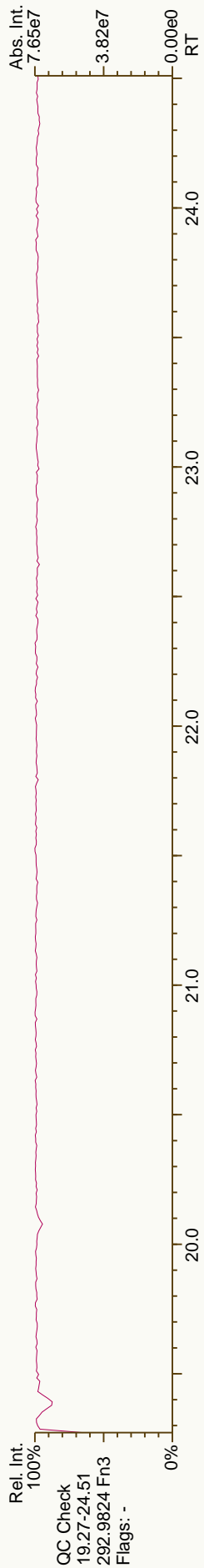
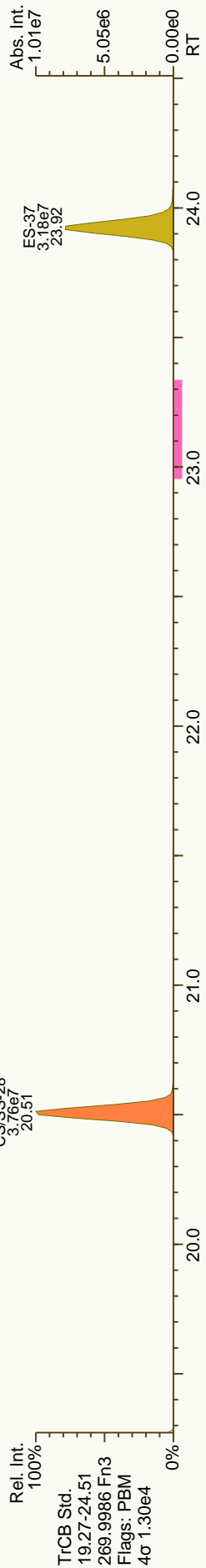
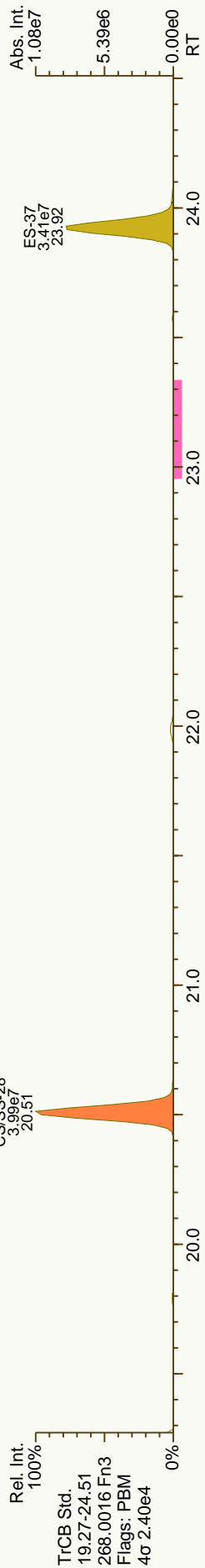
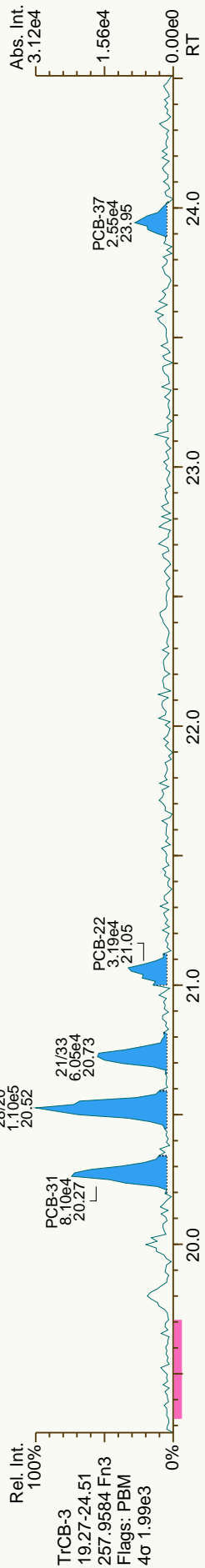
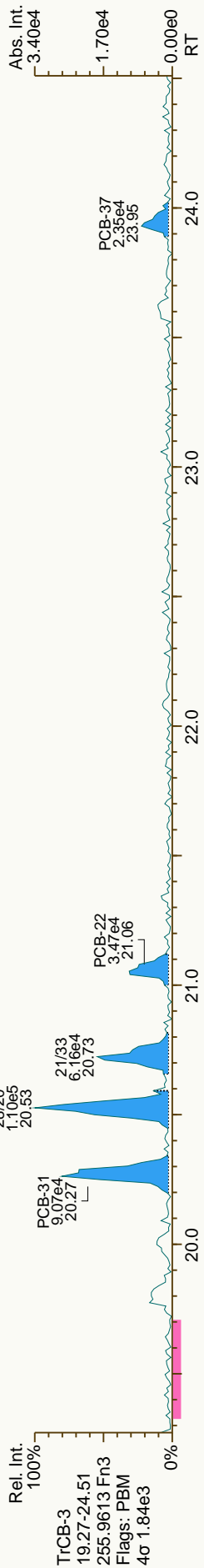


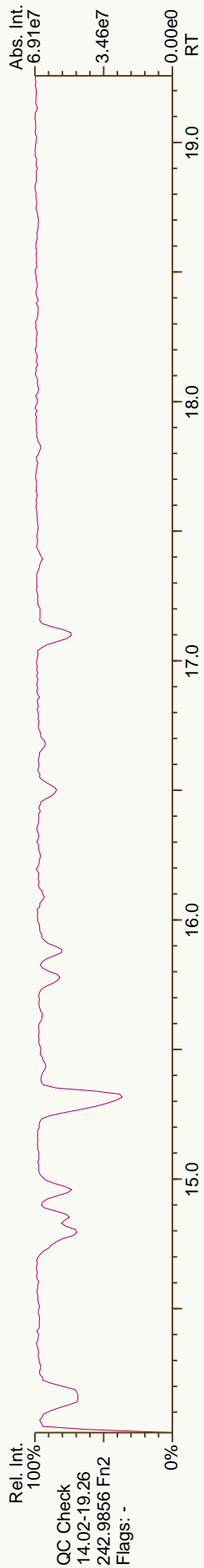
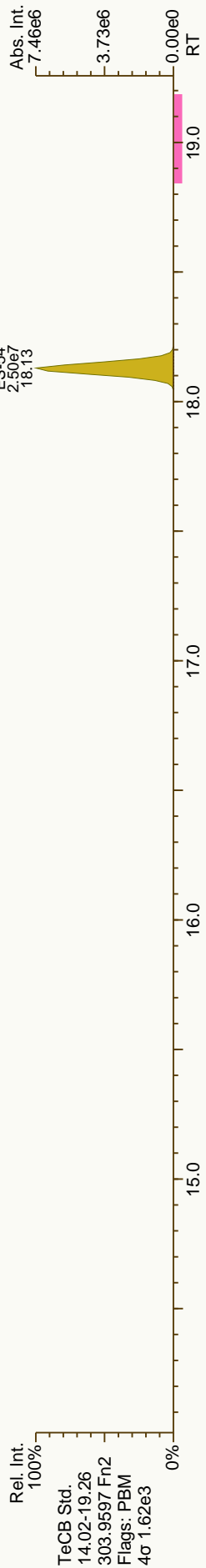
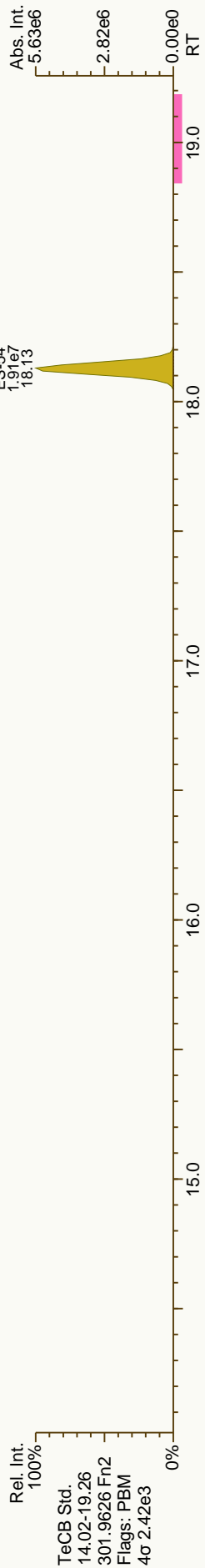
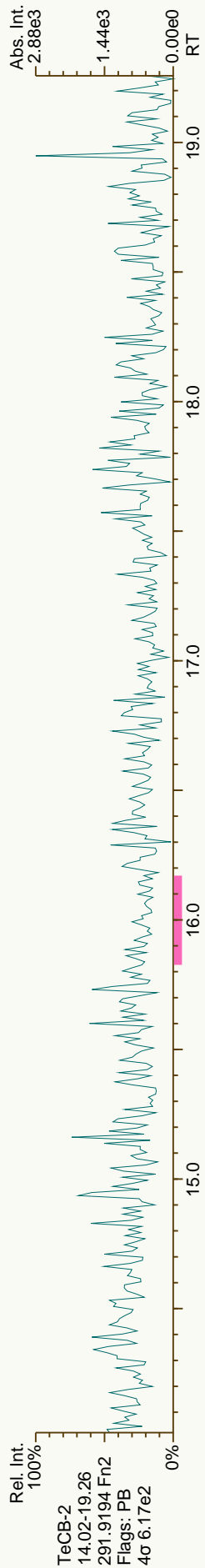
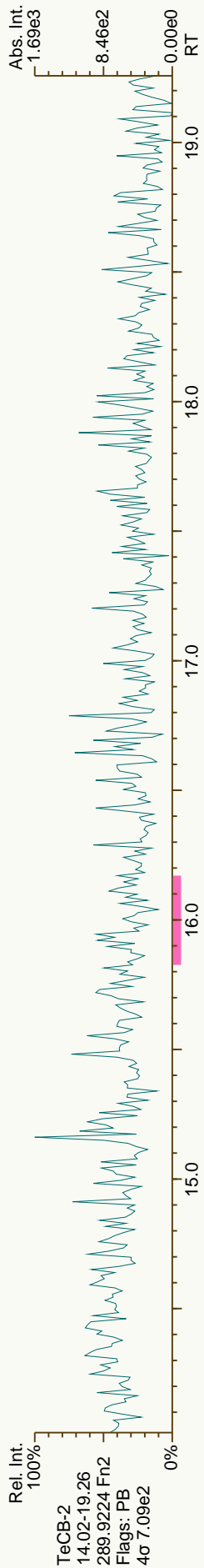


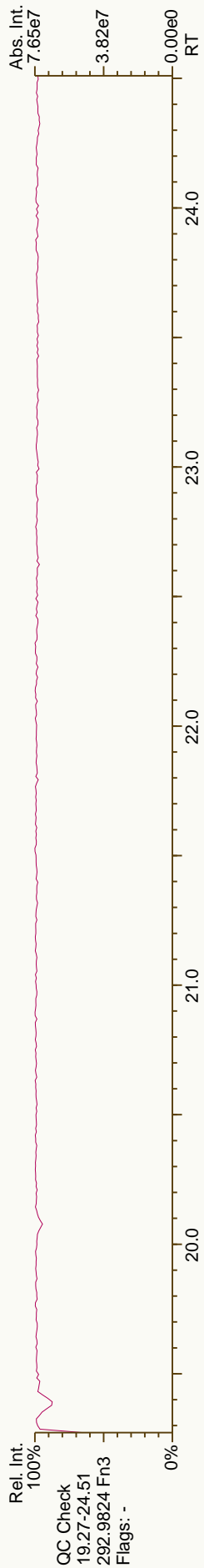
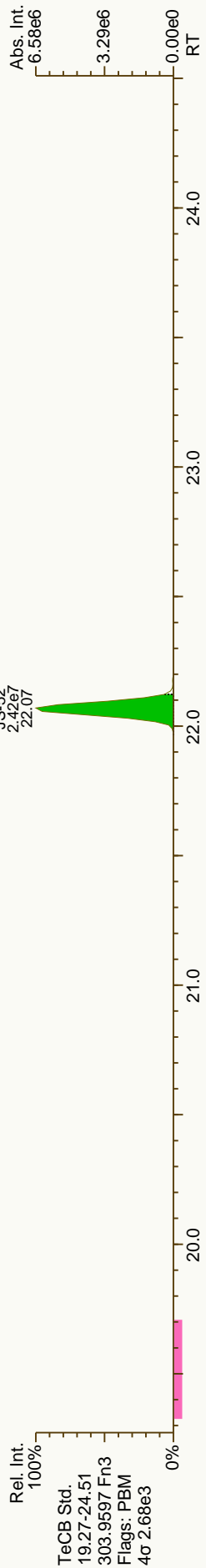
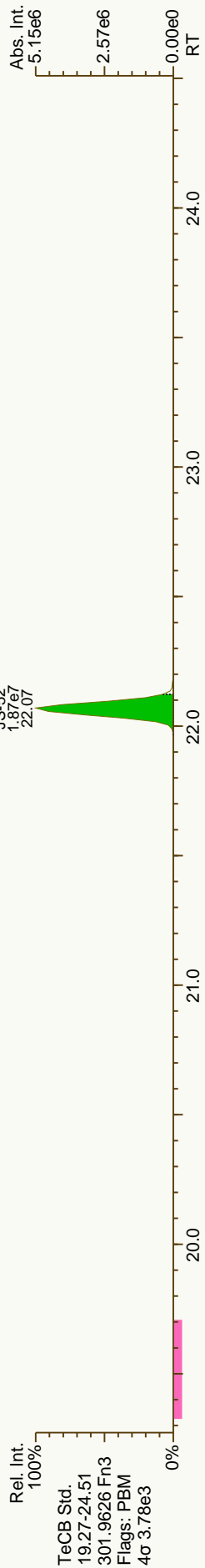
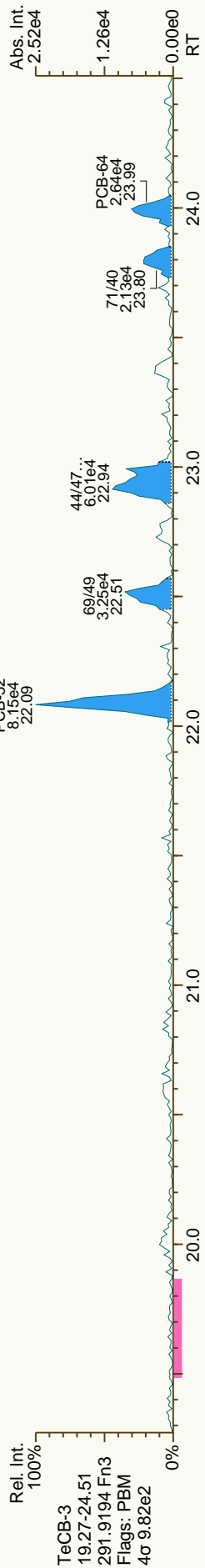
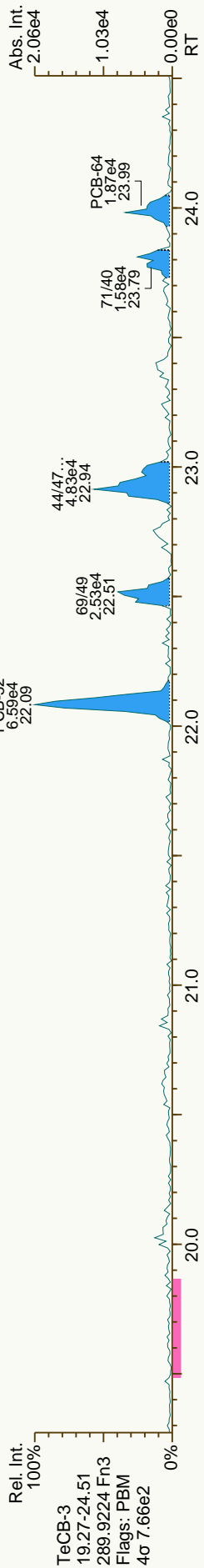


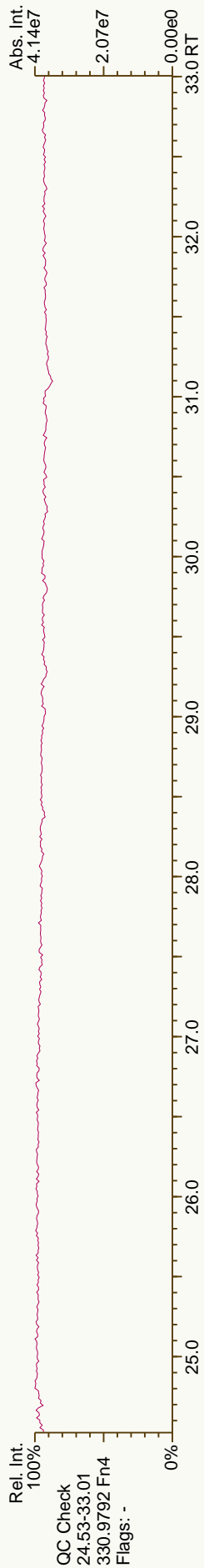
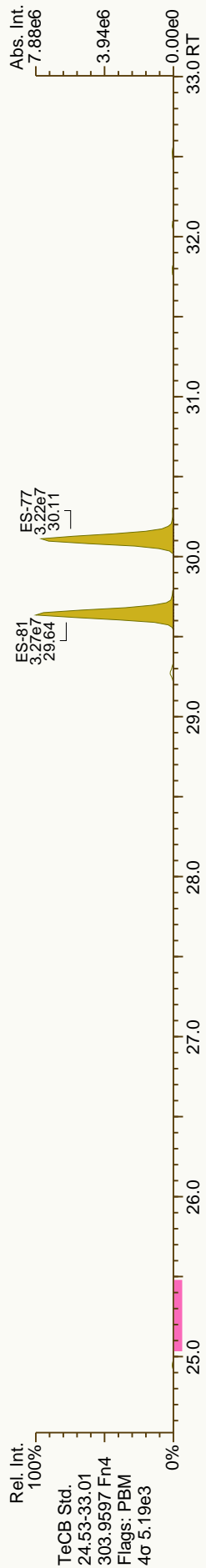
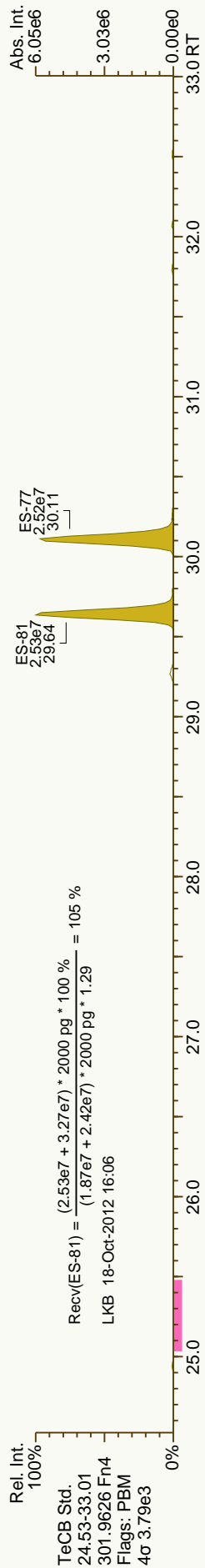
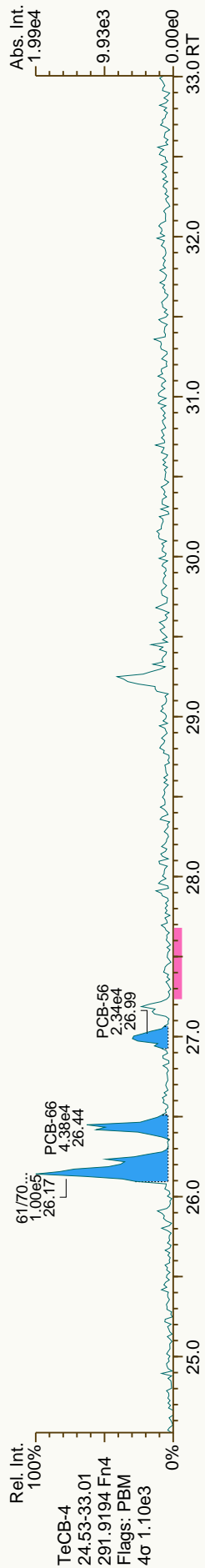
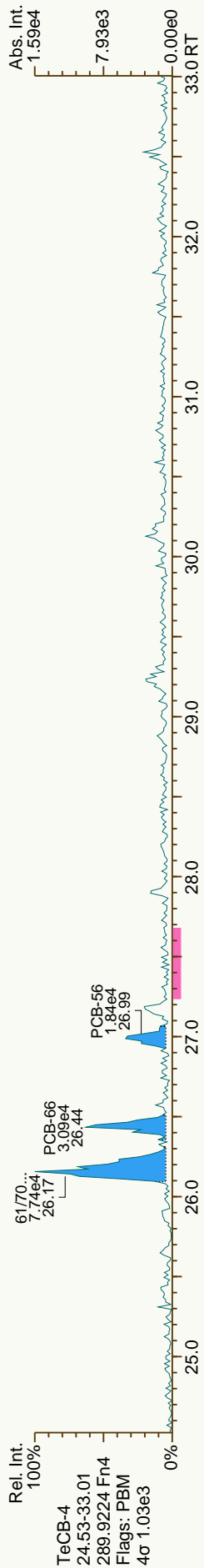


WO# 31203249



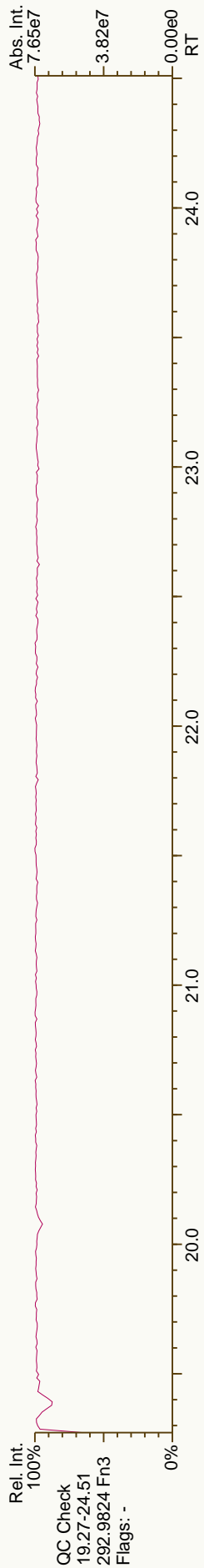
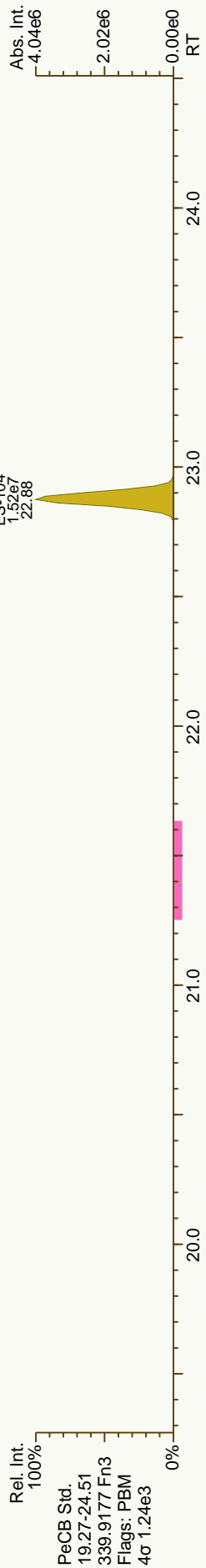
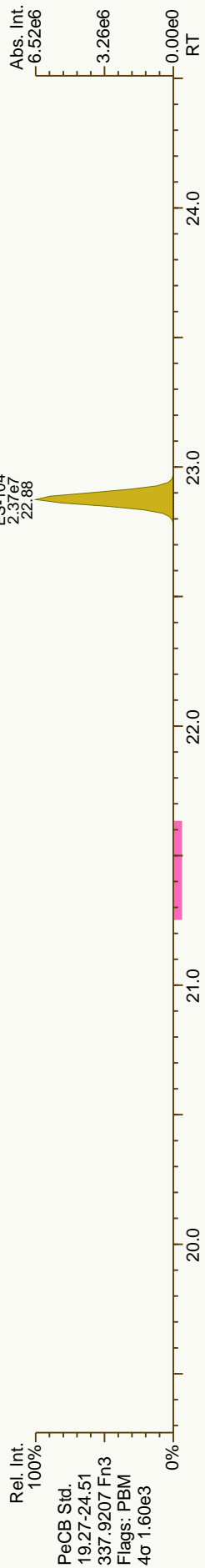
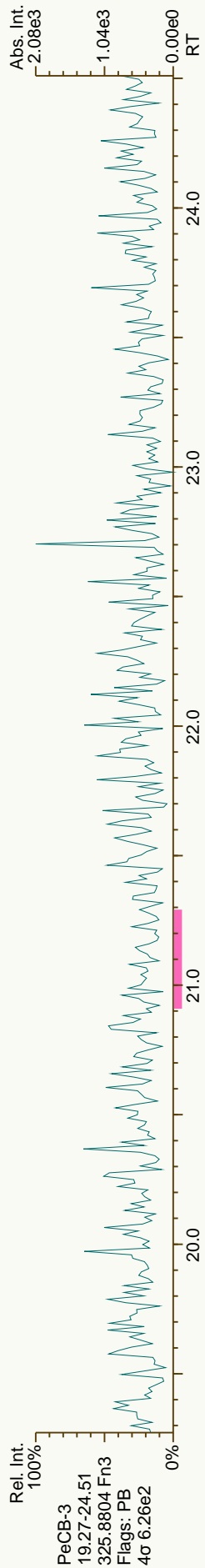
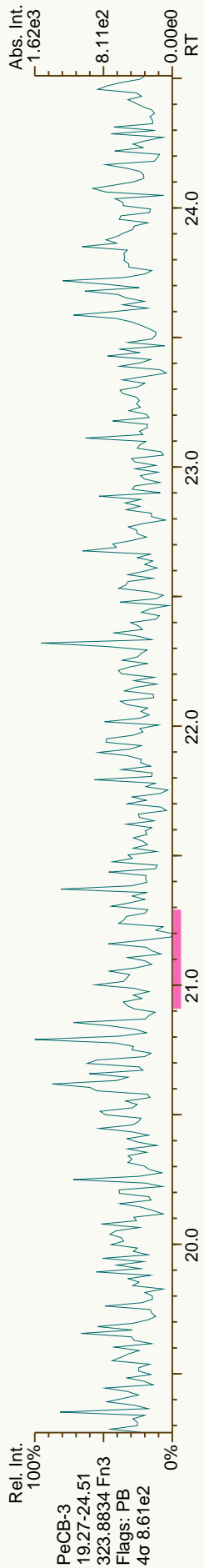


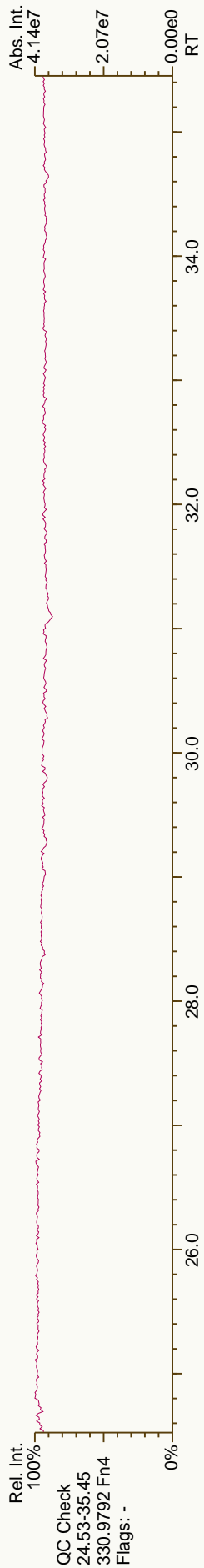
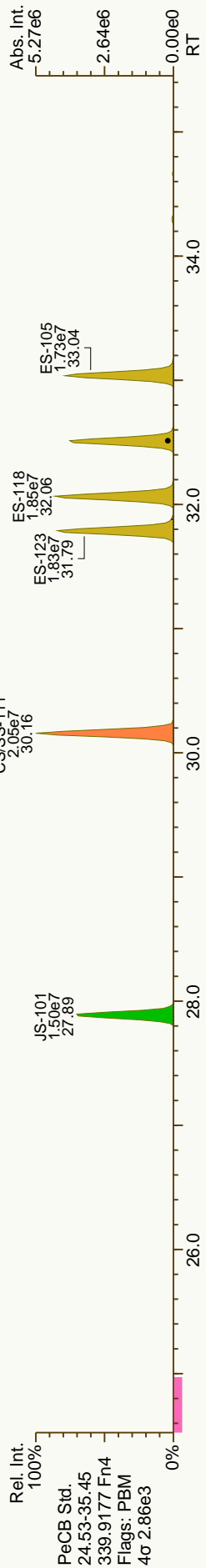
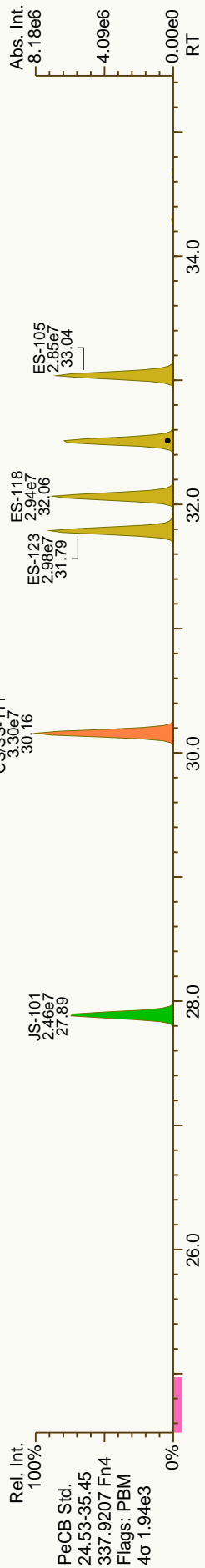
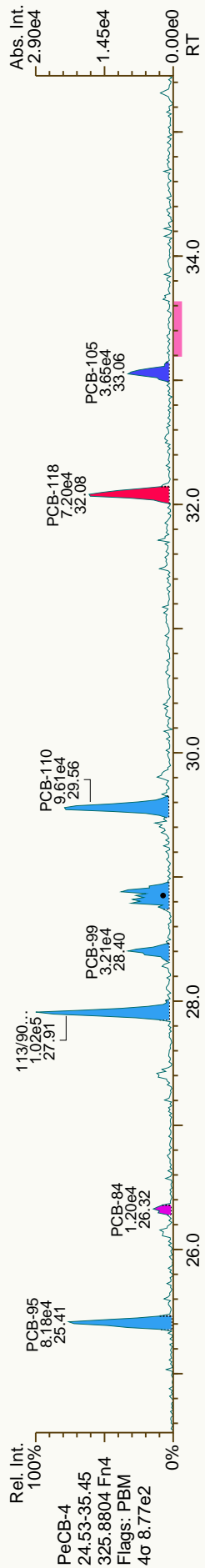
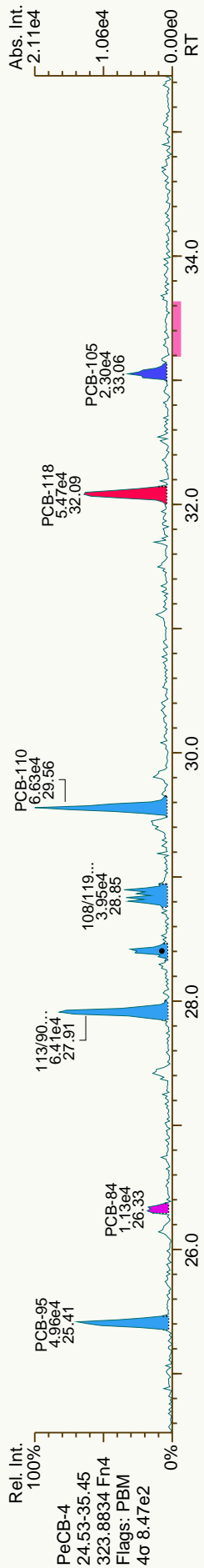


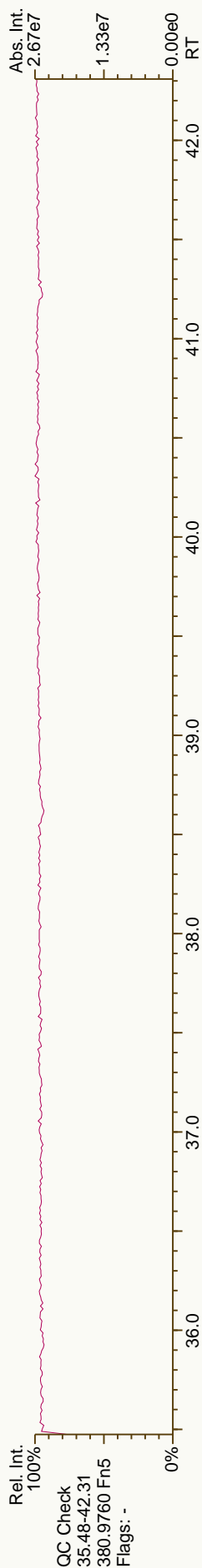
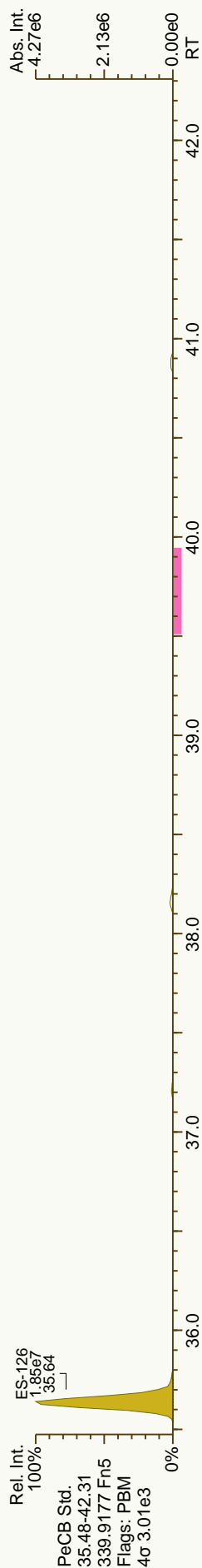
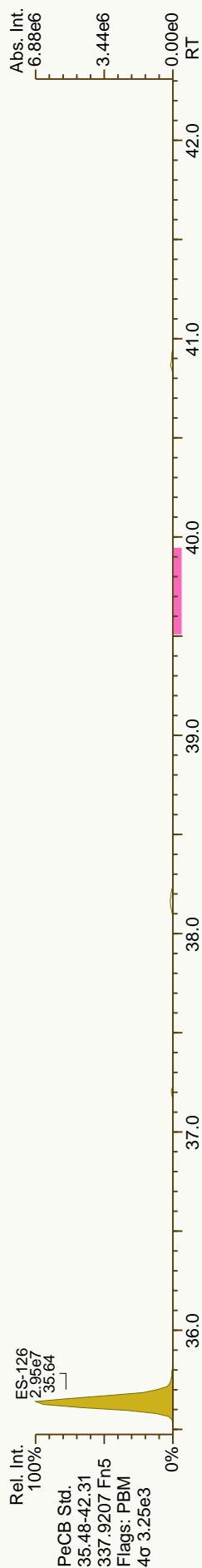
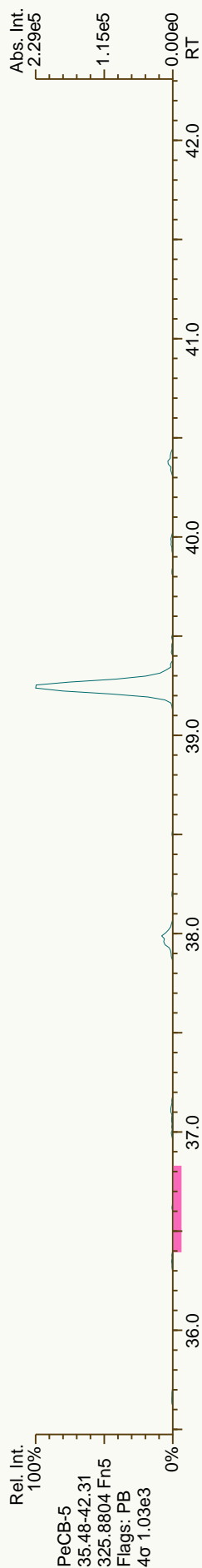
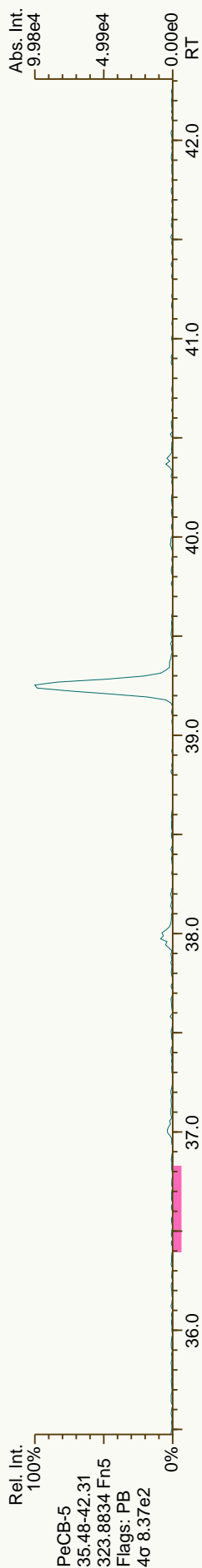


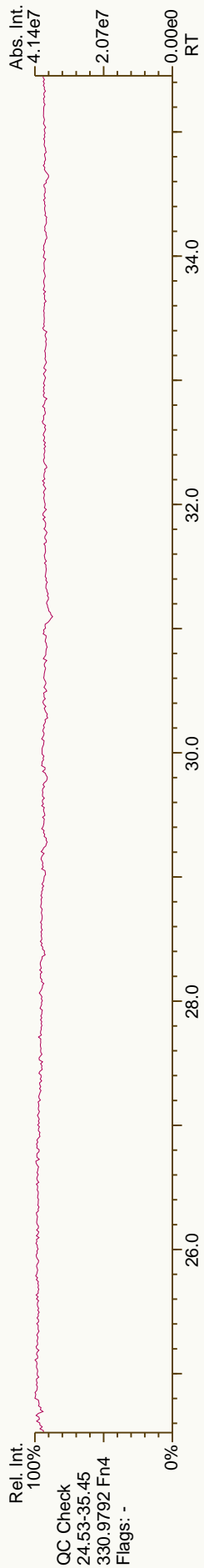
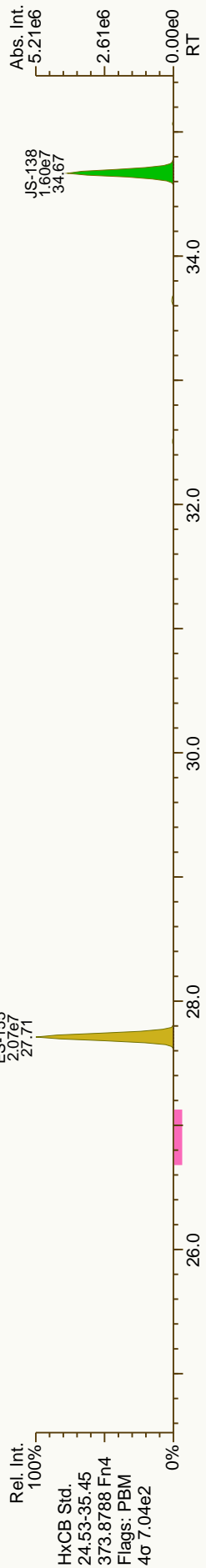
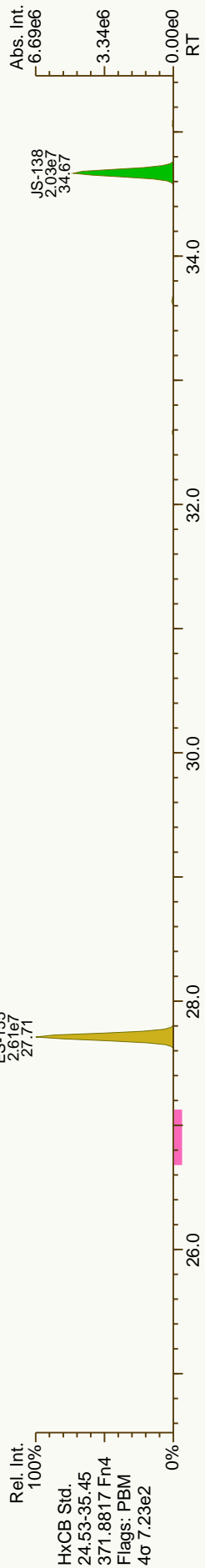
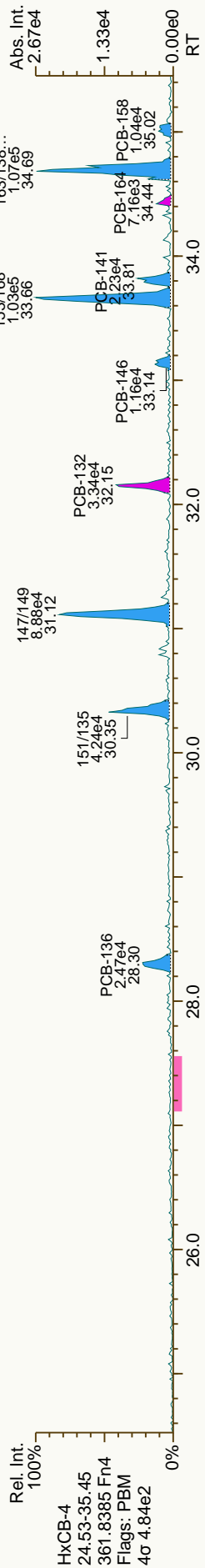
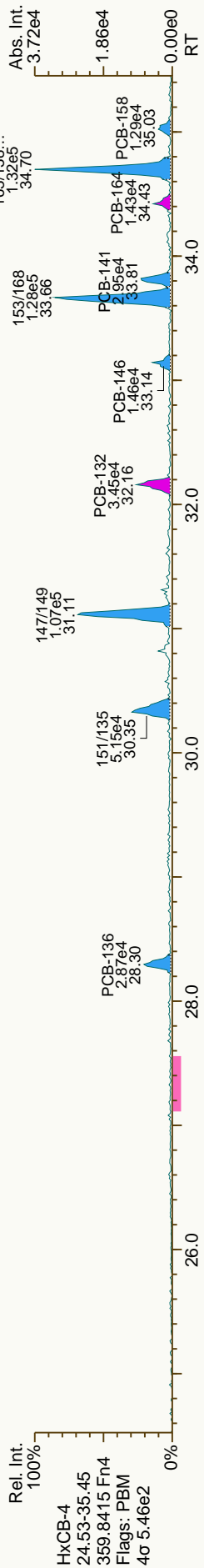
$$\text{Recv}(ES-81) = \frac{(2.53e7 + 3.27e7) * 2000 \text{ pg} * 100 \%}{(1.87e7 + 2.42e7) * 2000 \text{ pg} * 1.29} = 105 \%$$

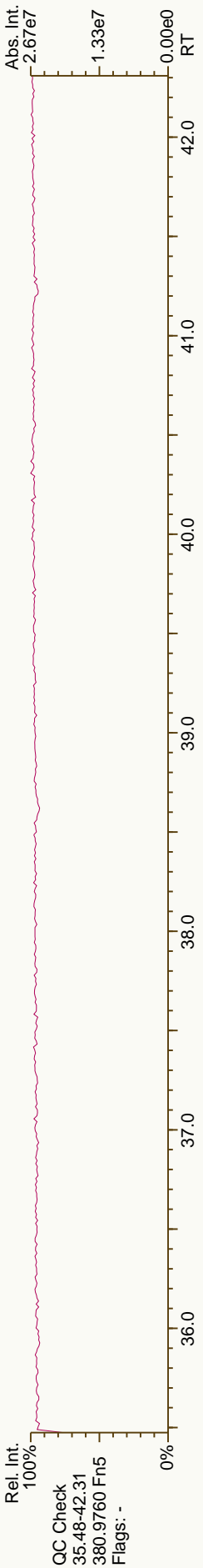
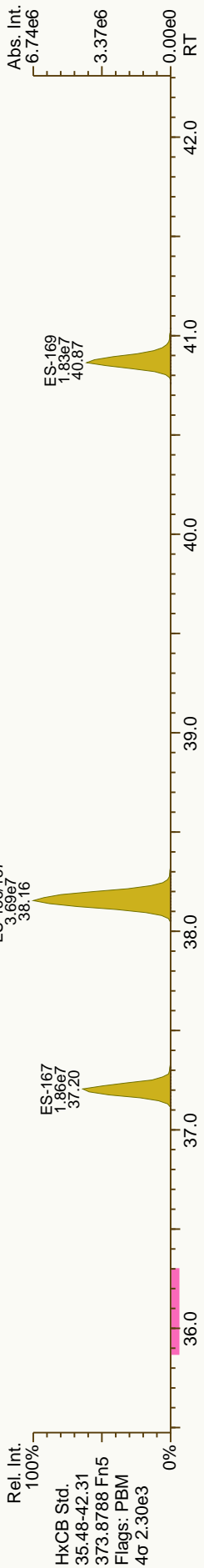
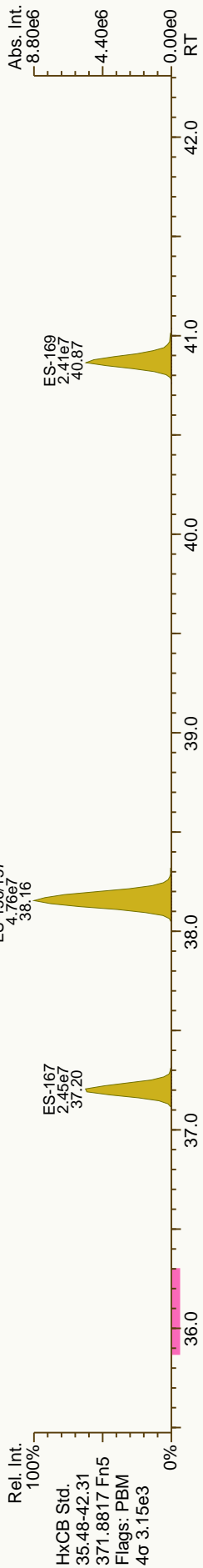
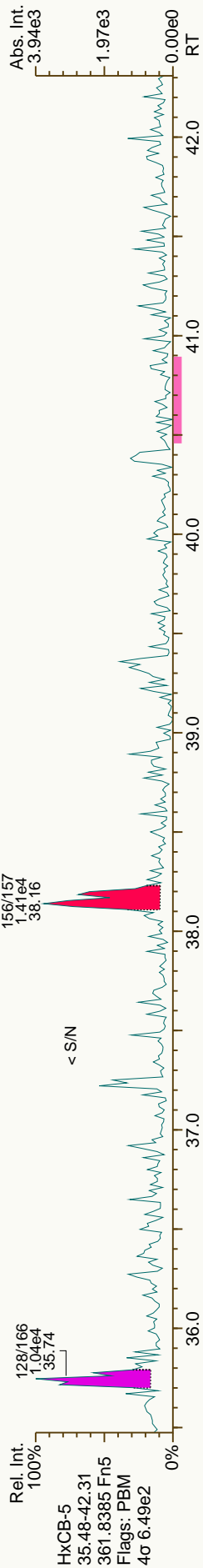
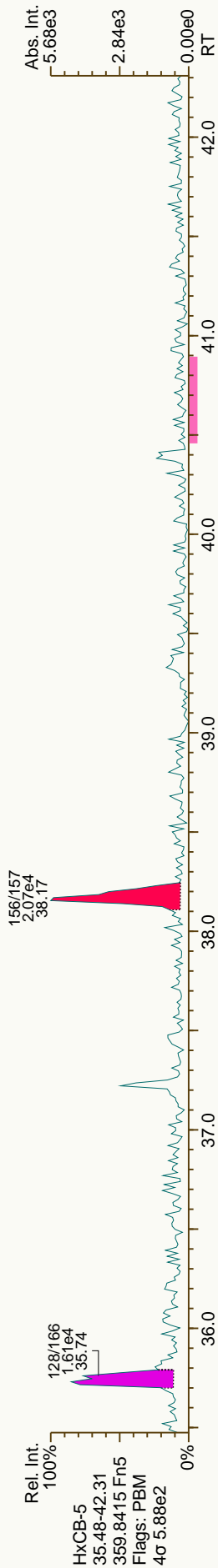
LKB 18-Oct-2012 16:06

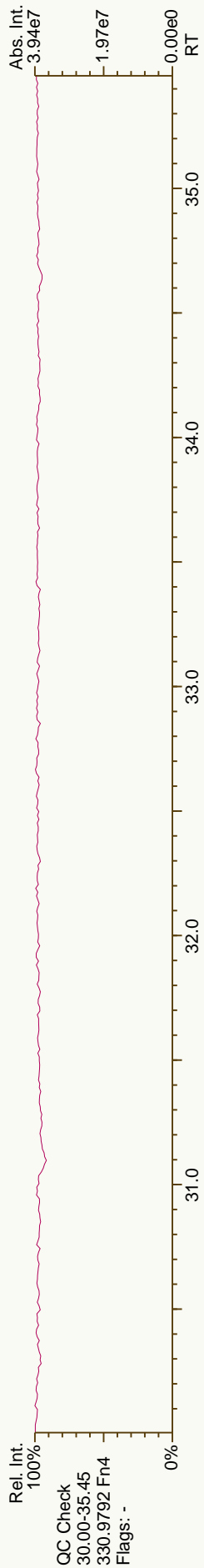
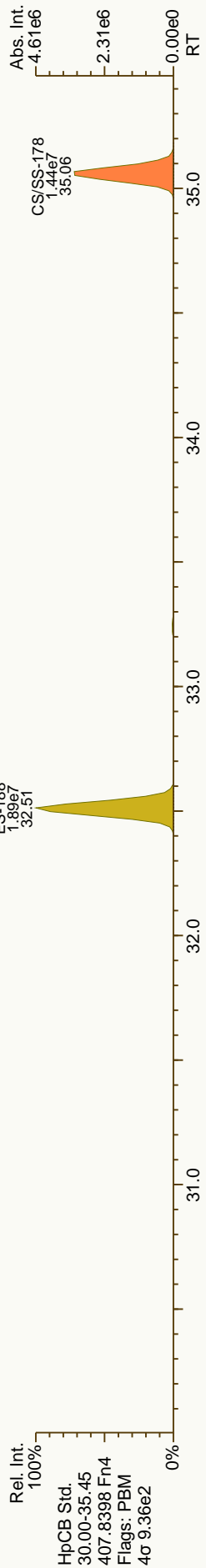
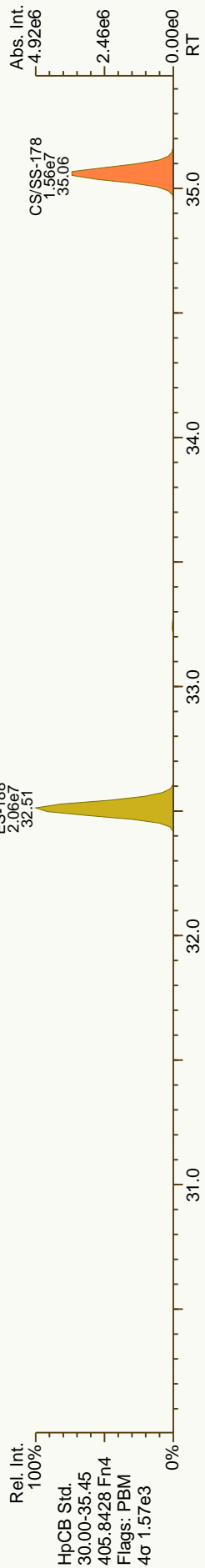
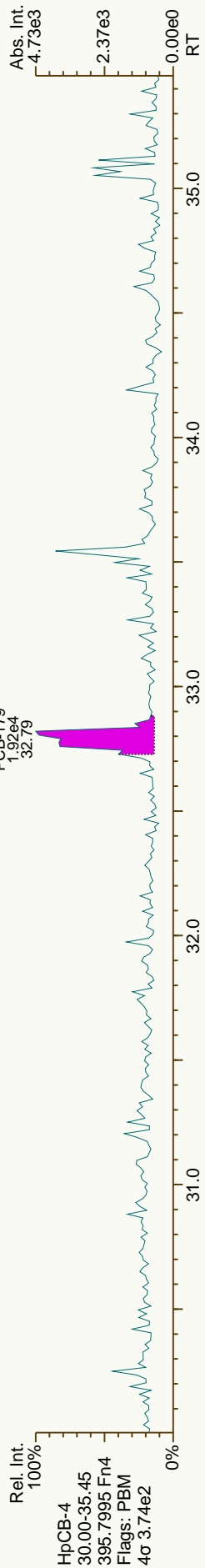
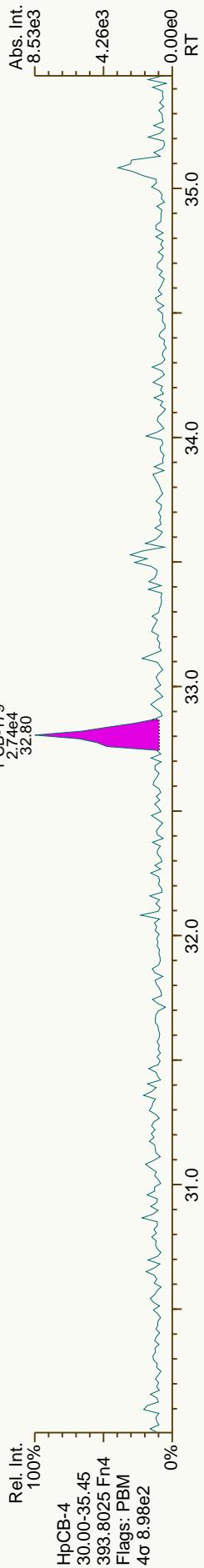


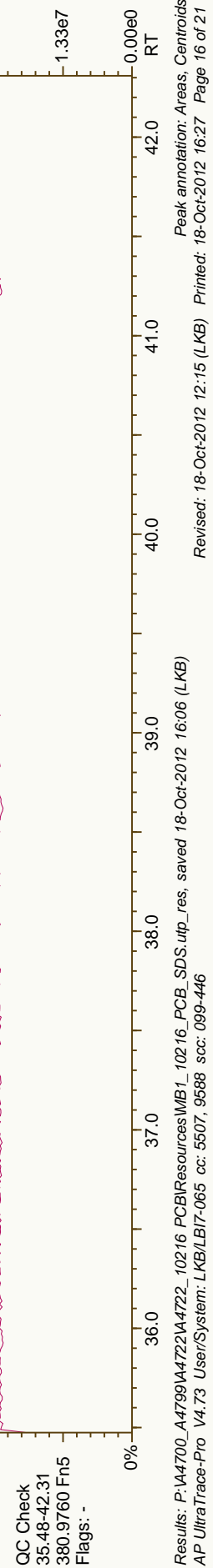
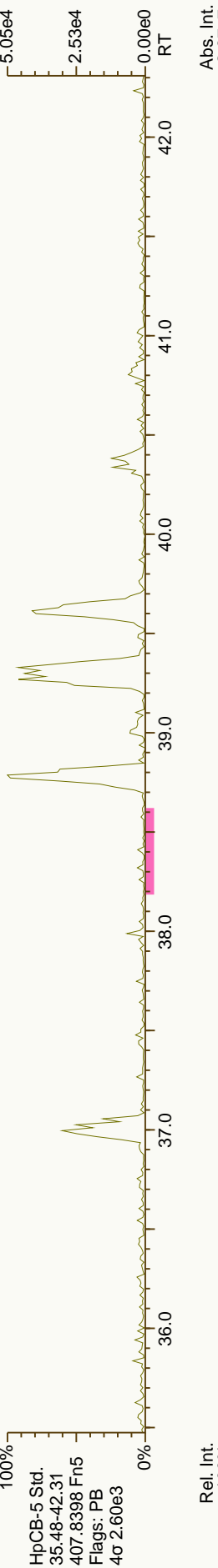
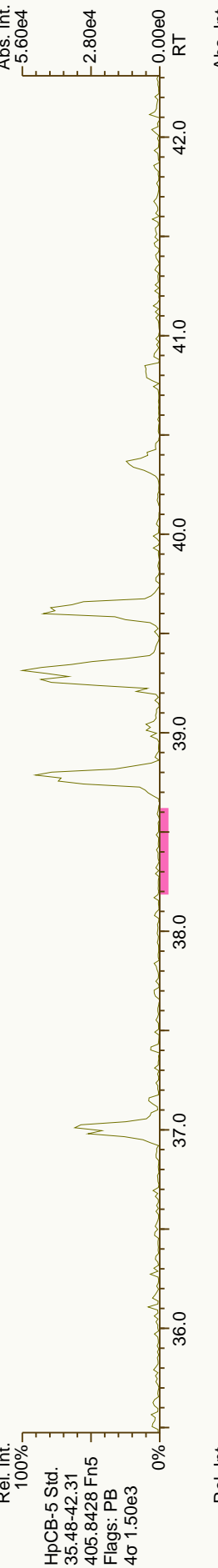
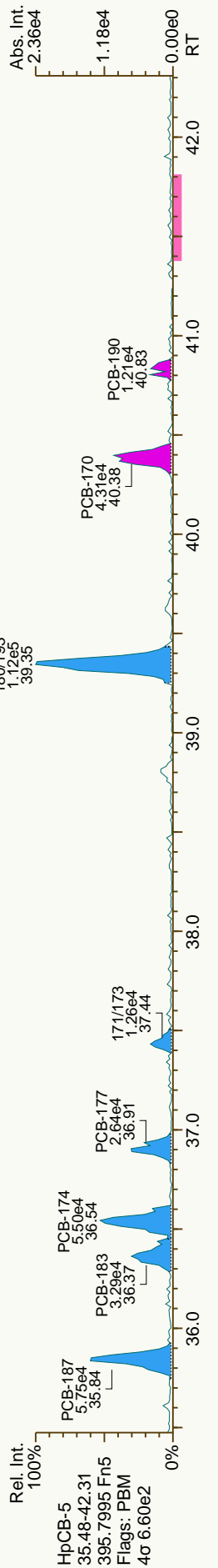
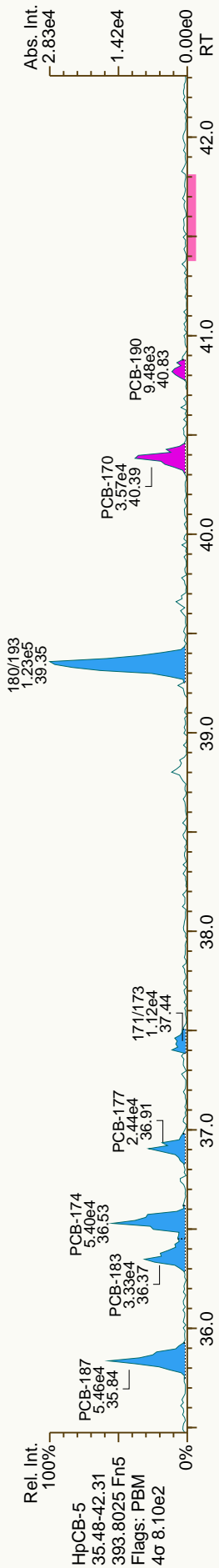


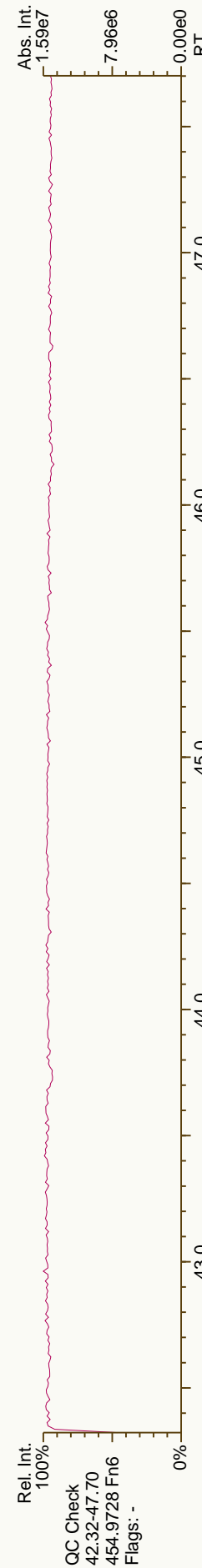
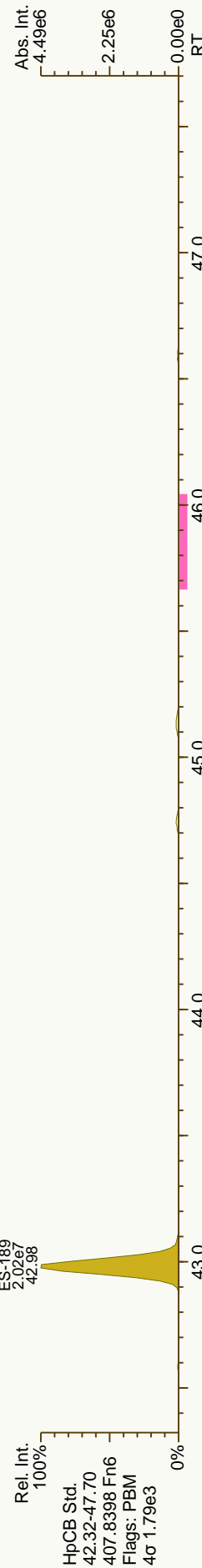
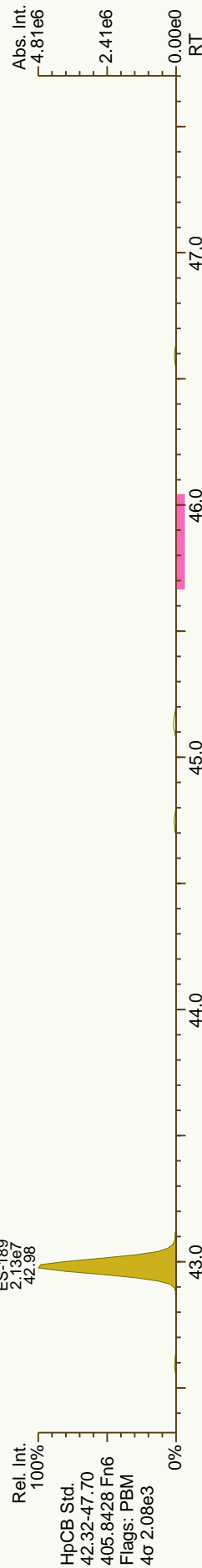
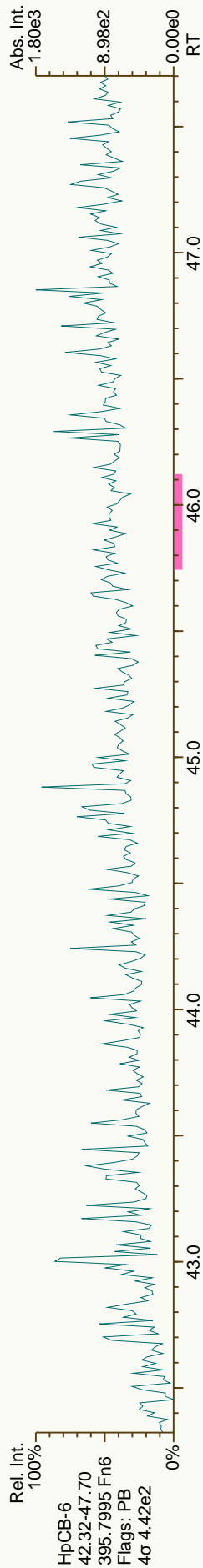
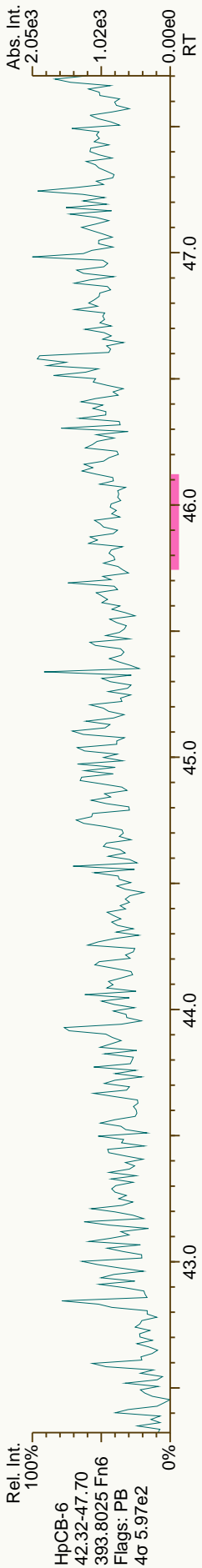


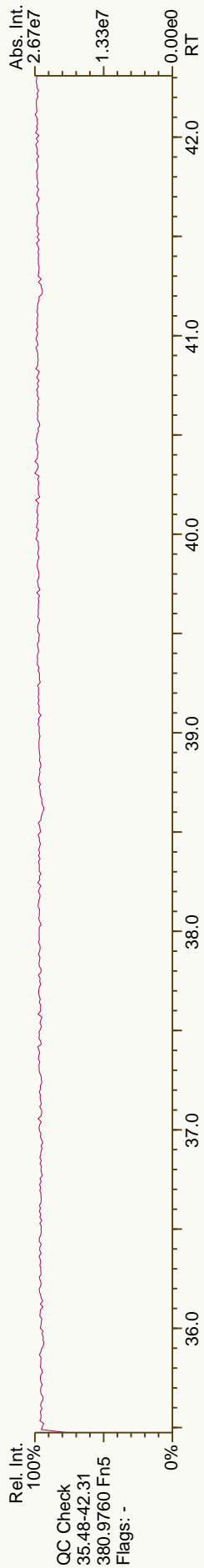
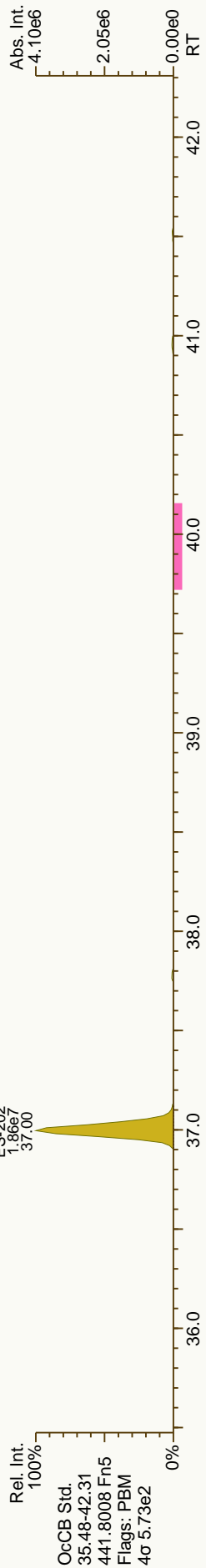
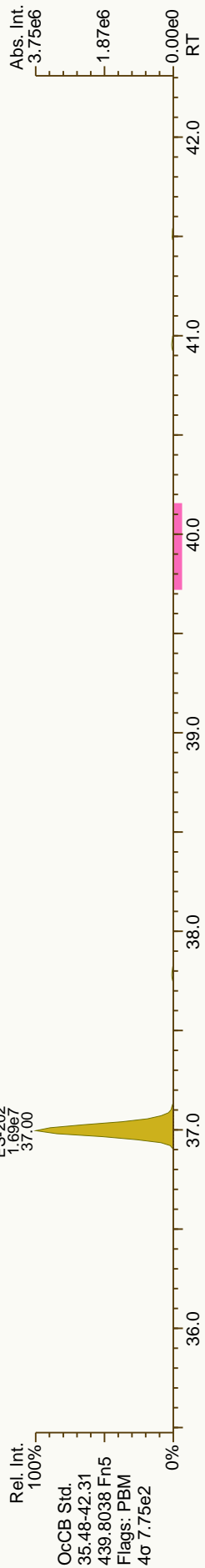
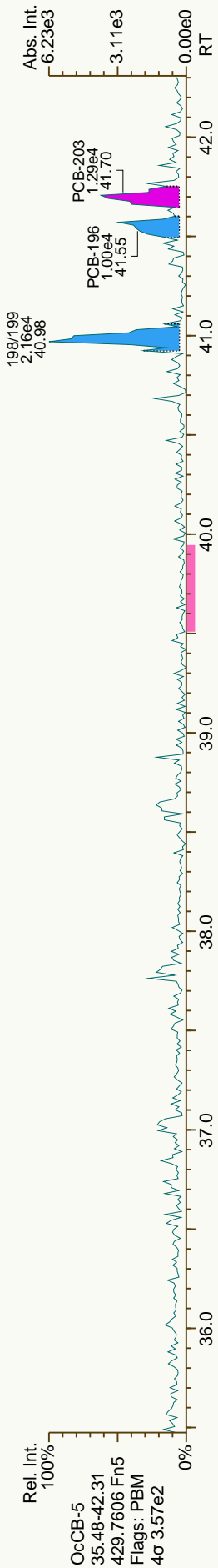
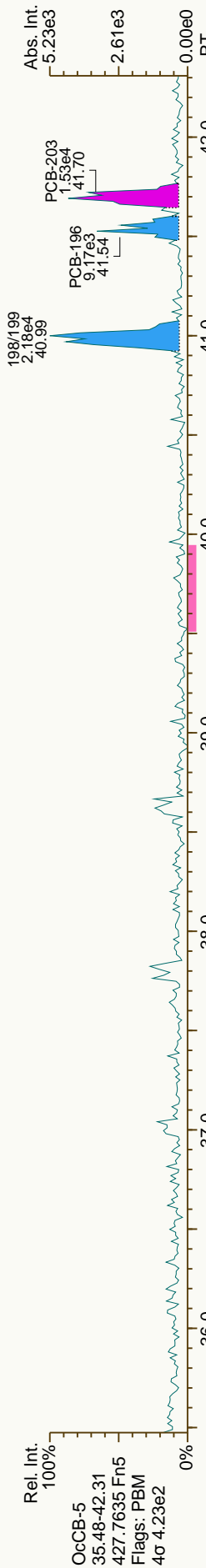


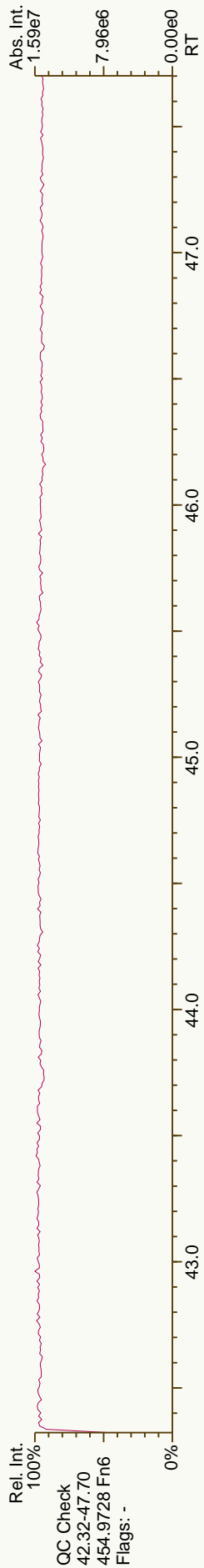
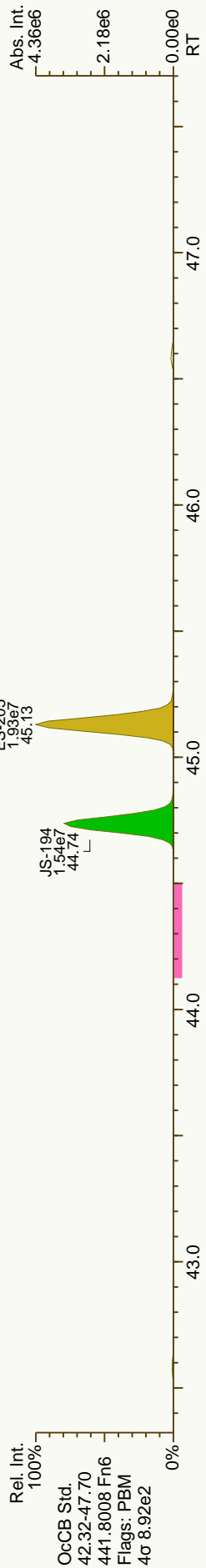
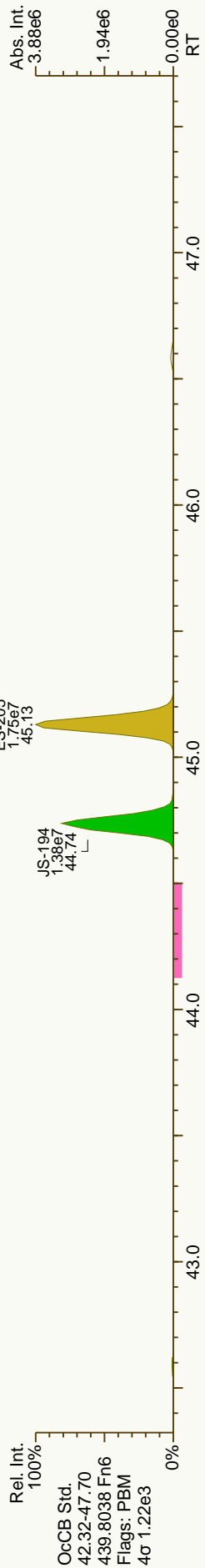
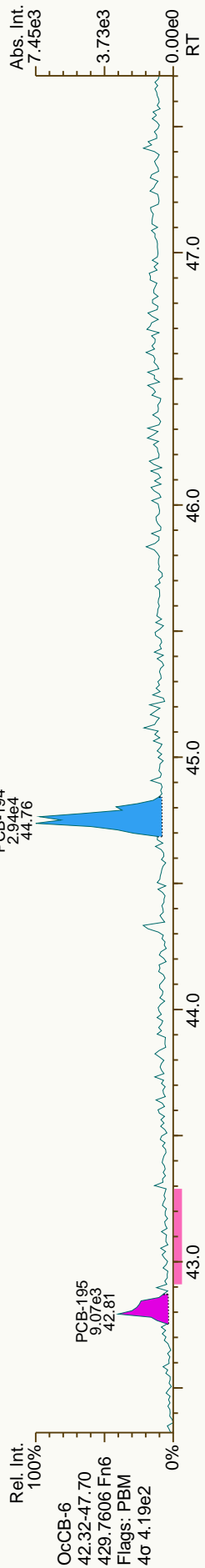
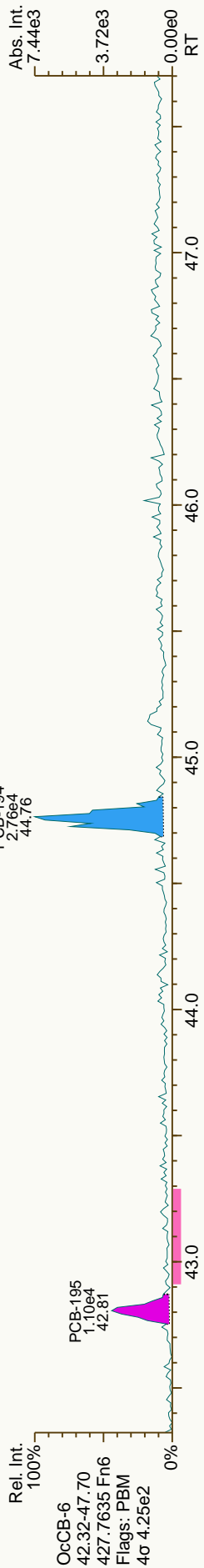


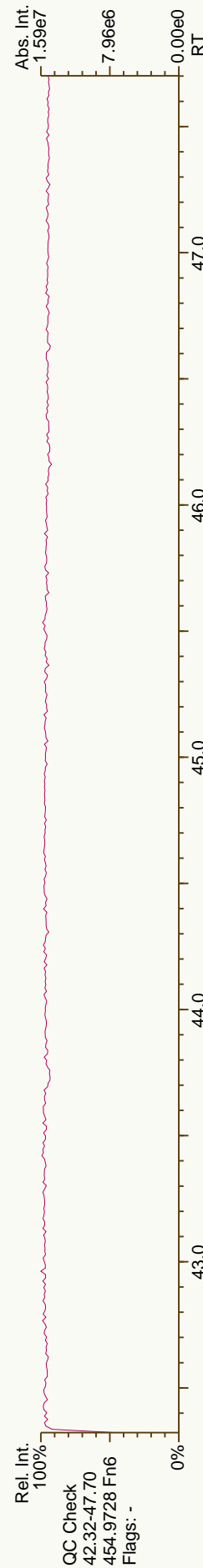
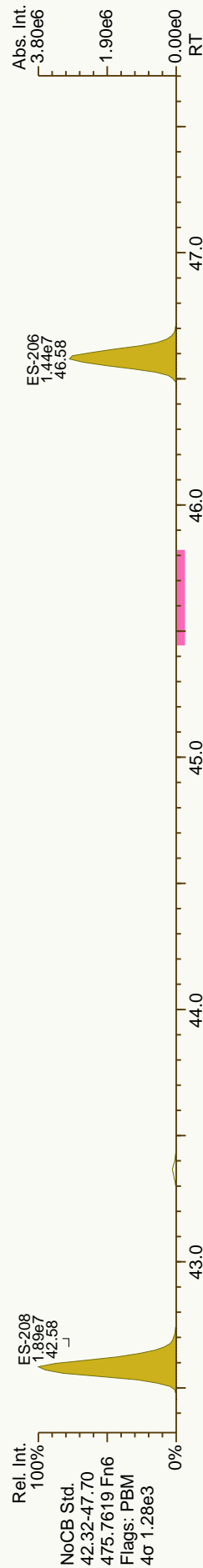
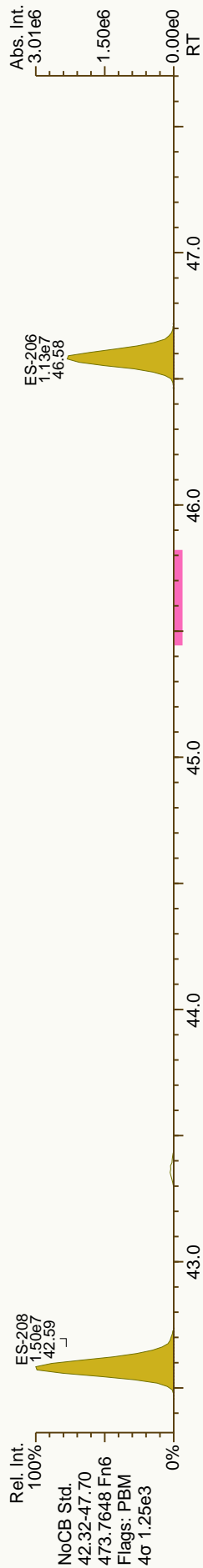
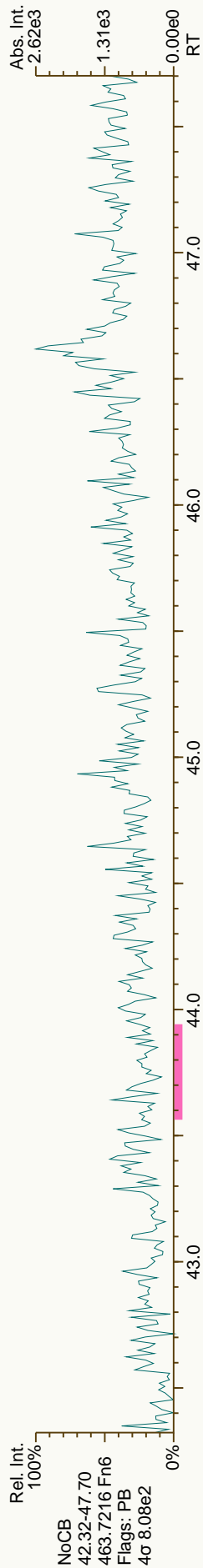
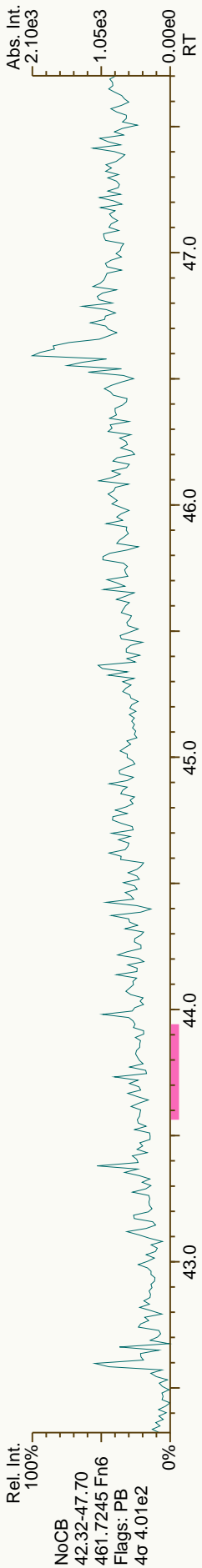


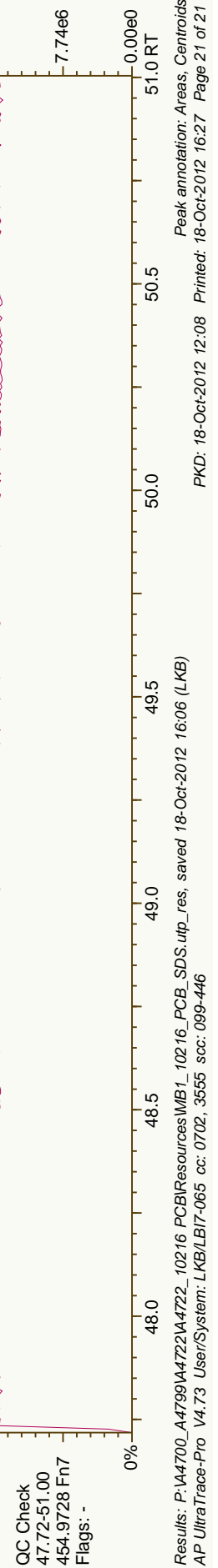
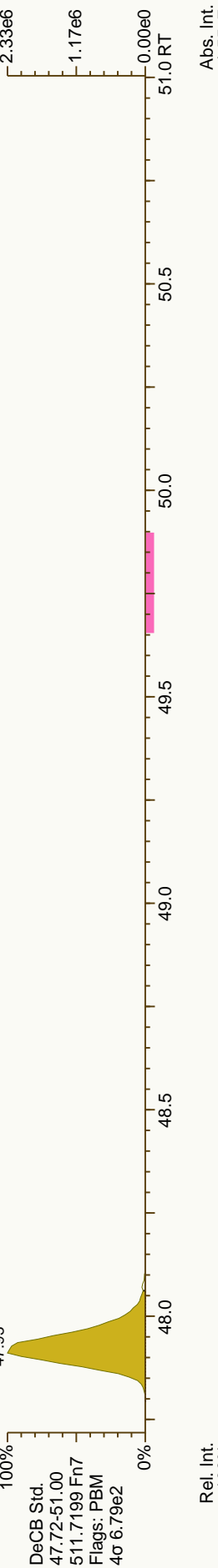
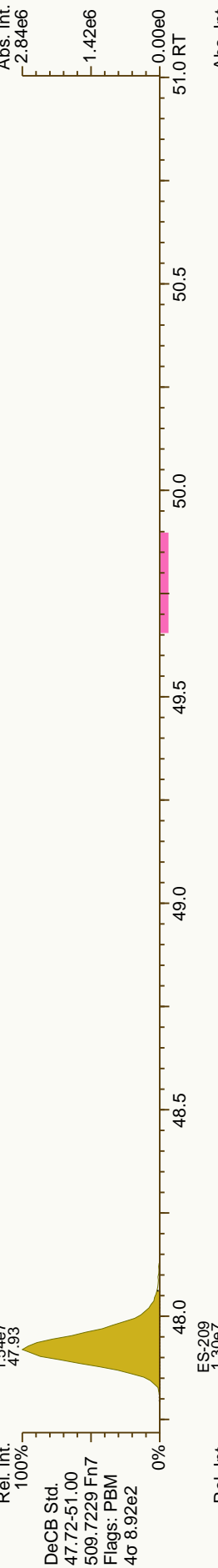
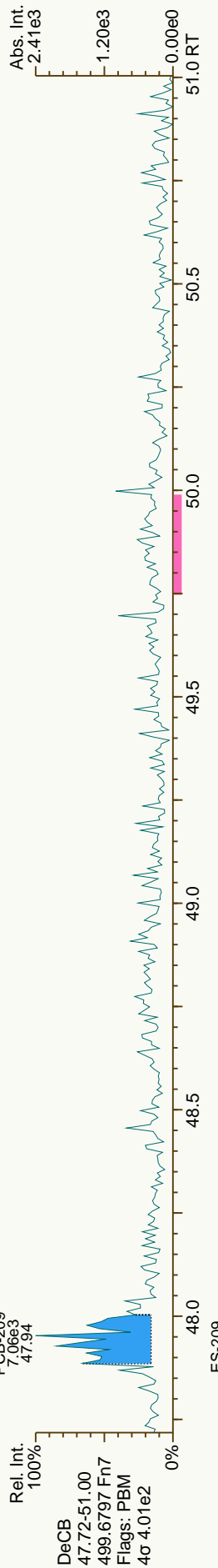
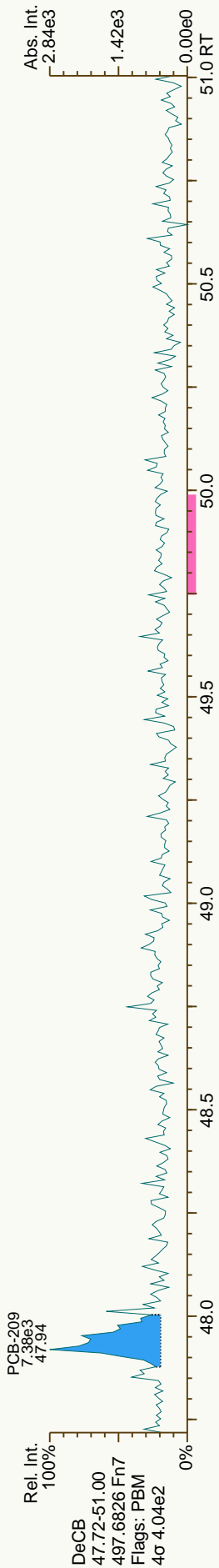












Blank Spike Summary

Blank Spike ID: OPR for HBN 30587 [HXX/1803]

Blank Spike Lab ID: 95253

Date Analyzed: 10/17/2012 02:09

Matrix: Soil-Solid as dry weight

QC for Samples: 31203249008, 31203249009, 31203249010, 31203249011

Results by EPA 1668B

Parameter	Blank Spike (pg/g)			CL
	Spike	Result	Rec (%)	
1-MoCB	50.0	55.2	110	71.0-132
3-MoCB	50.0	54.2	108	72.0-123
4-DiCB	50.0	52.4	105	73.0-114
15-DiCB	50.0	49.2	98	76.0-116
19-TrCB	50.0	49.4	99	79.0-109
37-TrCB	50.0	50.2	100	64.0-122
54-TeCB	50.0	46.6	93	76.0-114
77-TeCB	50.0	47.0	94	71.0-116
81-TeCB	50.0	46.0	92	70.0-116
104-PeCB	50.0	45.8	92	74.0-117
105-PeCB	50.0	49.6	99	73.0-117
114-PeCB	50.0	49.2	98	74.0-113
118-PeCB	50.0	49.8	100	81.0-112
123-PeCB	50.0	44.2	88	74.0-109
126-PeCB	50.0	47.2	94	74.0-113
155-HxCB	50.0	47.6	95	79.0-112
156-HxCB C157	100	96.2	96	78.0-117
167-HxCB	50.0	47.2	94	78.0-117
169-HxCB	50.0	46.2	92	79.0-107
188-HpCB	50.0	50.8	102	73.0-108
189-HpCB	50.0	49.2	98	81.0-113
202-OcCB	50.0	58.4	117*	77.0-114
205-OcCB	50.0	44.2	88	74.0-112
206-NoCB	50.0	49.2	98	79.0-115
208-NoCB	50.0	48.2	96	76.0-115
209-DeCB	50.0	49.6	99	77.0-116

Labeled Standards

1L-MoCB	69	4.00-100
3L-MoCB	77	11.0-106
4L-DiCB	80	14.0-107
15L-DiCB	90	19.0-107
19L-TrCB	86	1.00-108
37L-TrCB	93	25.0-123
54L-TeCB	102	13.0-105

Blank Spike Summary

Blank Spike ID: OPR for HBN 30587 [HXX/1803]
 Blank Spike Lab ID: 95253
 Date Analyzed: 10/17/2012 02:09

Matrix: Soil-Solid as dry weight

QC for Samples: 31203249008, 31203249009, 31203249010, 31203249011

Results by EPA 1668B

Parameter	Blank Spike (%)			CL
	Spike	Result	Rec (%)	
77L-TeCB			102	31.0-109
81L-TeCB			108	14.0-127
104L-PeCB			96	36.0-115
105L-PeCB			93	50.0-111
114L-PeCB			88	41.0-121
118L-PeCB			94	49.0-111
123L-PeCB			99	49.0-116
126L-PeCB			101	50.0-106
155L-HxCB			85	25.0-124
156L-HxCB C157L			81	40.0-120
167L-HxCB			79	45.0-118
169L-HxCB			82	37.0-117
188L-HpCB			93	23.0-125
189L-HpCB			97	47.0-116
202L-OcCB			87	31.0-134
205L-OcCB			108	46.0-115
206L-NoCB			104	38.0-122
208L-NoCB			100	31.0-126
209L-DeCB			102	43.0-115
28L-TrCB			97	14.0-131
111L-PeCB			107	57.0-112
178L-HpCB			108	57.0-125

Batch Information

Analytical Batch: HRP1313
 Analytical Method: EPA 1668B
 Instrument: APhRMS
 Analyst: LKB

Prep Batch: HXX1803
 Prep Method: EPA 1668B PREP S/D/T
 Prep Date/Time: 10/10/2012 10:29
 Spike Init Wt./Vol.: 10 g Extract Vol: 20 uL



Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77	33'44'	-TeCB	1.0006	1.0006	0	1.33E+07	0.79	1.13	23.5	2.37E+03	0.0454
PCB-81	344'5'	-TeCB	1.0006	1.0006	0	1.31E+07	0.78	1.13	23	2.37E+03	0.0437
PCB-105	233'44'	-PeCB	1.0007	1.0006	-0.2	1.07E+07	0.62	1.09	24.8	1.85E+03	0.045
PCB-114	2344'5'	-PeCB	1.0007	1.0007	0	1.08E+07	0.62	1.16	24.6	1.85E+03	0.0452
PCB-118	23'44'5'	-PeCB	1.0008	1.0007	-0.2	1.15E+07	0.61	1.11	24.9	1.85E+03	0.0409
PCB-123	23'44'5'	-PeCB	1.0006	1.0007	+0.2	1.10E+07	0.62	1.19	22.1	1.85E+03	0.0397
PCB-126	33'44'5'	-PeCB	1.0006	1.0005	-0.2	1.05E+07	0.62	1.06	23.6	2.62E+03	0.0639
PCB-156/157	...	-HxCB	1.0005	1.0005	0	1.99E+07	1.23	1.11	48.1	2.02E+03	0.0674
PCB-167	23'44'55'	-HxCB	1.0006	1.0005	-0.2	1.00E+07	1.23	1.14	23.6	2.02E+03	0.0515
PCB-169	33'44'55'	-HxCB	1.0005	1.0005	0	9.34E+06	1.25	1.11	23.1	2.02E+03	0.056
PCB-189	233'44'55'	-HpCB	1.0005	1.0004	-0.3	9.43E+06	1.05	1.06	24.6	1.52E+03	0.0429
PCB-209	DeCB		1.0004	1.0004	0	6.82E+06	1.18	1.07	24.8	8.39E+02	0.0433
ES PCB-1	10.43		0.7215	0.7222	+0.4	4.55E+07	3.22	1.08	68.6 %	30%	140%
ES PCB-3	12.44		0.8610	0.8614	+0.3	5.11E+07	3.17	1.08	77 %	30%	140%
ES PCB-4	12.65		0.8755	0.8759	+0.3	2.40E+07	1.62	0.49	80.2 %	30%	140%
ES PCB-15	17.89		1.2391	1.2387	-0.4	6.10E+07	1.58	1.11	89.6 %	30%	140%
ES PCB-19	15.44		1.0683	1.0687	+0.4	2.92E+07	1.06	0.55	85.9 %	30%	140%
ES PCB-37	23.93		1.0844	1.0843	-0.1	5.50E+07	1.08	1.64	92.6 %	30%	140%
ES PCB-54	18.13		0.8213	0.8214	+0.1	3.49E+07	0.75	0.94	102 %	30%	140%
ES PCB-77	30.11		1.3648	1.3646	-0.4	5.00E+07	0.79	1.35	102 %	30%	140%
ES PCB-81	29.64		1.3435	1.3434	-0.2	5.06E+07	0.80	1.29	108 %	30%	140%
ES PCB-104	22.88		0.8203	0.8203	0	3.31E+07	1.60	0.99	96.2 %	30%	140%
ES PCB-105	33.04		1.1849	1.1847	-0.4	3.95E+07	1.63	1.23	92.6 %	30%	140%
ES PCB-114	32.51		1.1658	1.1657	-0.2	3.79E+07	1.63	1.25	87.7 %	30%	140%
ES PCB-118	32.06		1.1499	1.1497	-0.4	4.17E+07	1.62	1.28	94 %	30%	140%
ES PCB-123	31.79		1.1399	1.1399	0	4.18E+07	1.61	1.22	99.1 %	30%	140%
ES PCB-126	35.64		1.2781	1.2780	-0.2	4.18E+07	1.61	1.20	101 %	30%	140%
ES PCB-153	-		-	-	-	-	-	-	-	-	-
ES PCB-155	27.71		0.7992	0.7993	+0.2	4.06E+07	1.25	1.50	85.4 %	30%	140%
ES PCB-156/157	38.16		1.1007	1.1007	0	7.47E+07	1.30	1.45	80.8 %	30%	140%
ES PCB-167	37.20		1.0731	1.0730	-0.2	3.73E+07	1.28	1.49	78.5 %	30%	140%
ES PCB-169	40.87		1.1789	1.1789	0	3.64E+07	1.28	1.40	81.5 %	30%	140%
ES PCB-170	-		-	-	-	-	-	-	-	-	-
ES PCB-180	-		-	-	-	-	-	-	-	-	-
ES PCB-188	32.51		0.7266	0.7267	+0.2	3.47E+07	1.05	1.18	92.7 %	30%	140%
ES PCB-189	42.98		0.9608	0.9608	0	3.62E+07	1.04	1.49	96.8 %	30%	140%
ES PCB-202	37.00		0.8271	0.8271	0	3.16E+07	0.89	1.14	87.4 %	30%	140%
ES PCB-205	45.13		1.0088	1.0089	+0.3	3.26E+07	0.88	1.20	108 %	30%	140%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	46.58		1.0414	1.0414	0	2.27E+07	0.78	0.87	104 %	30 %	140 %
ES PCB-208	42.58		0.9519	0.9519	0	2.99E+07	0.78	1.19	99.9 %	30 %	140 %
ES PCB-209	47.93		1.0714	1.0714	0	2.56E+07	1.20	1.00	102 %	30 %	140 %
SS PCB-28	20.51		0.9294	0.9294	0	6.20E+07	1.07	1.07	105 %	40 %	125 %
SS PCB-111	30.16		1.0814	1.0814	0	4.52E+07	1.62	1.01	108 %	40 %	125 %
SS PCB-178	35.06		1.0112	1.0112	0	2.54E+07	1.04	0.63	116 %	40 %	125 %
CS PCB-28	20.51		0.9294	0.9294	0	6.20E+07	1.07	1.76	97.1 %	40 %	125 %
CS PCB-111	30.16		1.0814	1.0814	0	4.52E+07	1.62	1.23	107 %	40 %	125 %
CS PCB-178	35.06		1.0112	1.0112	0	2.54E+07	1.04	0.74	108 %	40 %	125 %
JS PCB-9	14.44					6.13E+07	1.57				
JS PCB-52	22.07					3.63E+07	0.79				
JS PCB-101	27.89					3.46E+07	1.57				
JS PCB-138	34.67					3.18E+07	1.28				
JS PCB-194	44.73					2.52E+07	0.88				
Totals											
						NON-EMPC			EMPC		DL
						Mono-CBS	54.7		54.7		0.08
						Di-CBS	54		54		0.512
						Tri-CBS	49.8		49.8		0.0792
						Tetra-CBS	69.8		69.8		0.044
						Penta-CBS	143		143		0.0445
						Hexa-CBS	119		119		0.0497
						Hepta-CBS	50		50		0.0469
						Octa-CBS	51.3		51.3		0.0374
						Nona-CBS	48.7		48.7		0.0661
PCB-1 2-MoCB	10.44		1.0011	1.0012	+0.1	1.30E+07	3.18	1.03	27.6	5.91E+03	0.0889
PCB-2 3-MoCB	NotFnd		0.9880	-		0.00E+00		1.00	ND	5.91E+03	0.0746
PCB-3 4-MoCB	12.45		1.0009	1.0010	+0.1	1.45E+07	3.19	1.04	27.1	5.91E+03	0.0712
PCB-4 22'-DiCB	12.66		1.0011	1.0011	0	7.35E+06	1.60	1.17	26.2	2.88E+04	0.666
PCB-10 26'-DiCB	NotFnd		1.0140	-		0.00E+00		1.64	ND	2.88E+04	0.474
PCB-9 25'-DiCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	2.62E+04	0.418
PCB-7 24'-DiCB	NotFnd		1.0115	-		0.00E+00		1.05	ND	2.62E+04	0.368
PCB-6 23'-DiCB	NotFnd		1.0256	-		0.00E+00		0.99	ND	2.62E+04	0.392
PCB-5 23'-DiCB	NotFnd		1.0444	-		0.00E+00		0.98	ND	2.62E+04	0.393
PCB-8 24'-DiCB	NotFnd		1.0523	-		0.00E+00		1.02	ND	2.62E+04	0.38
PCB-14 35'-DiCB	NotFnd		0.9302	-		0.00E+00		1.17	ND	2.62E+04	0.33
PCB-11 33'-DiCB	17.37	J	0.9709	0.9708	-0.1	1.95E+06	1.52	1.00	3.21	2.62E+04	0.388
PCB-13/12 34'/34'-DiCB	NotFnd	C	0.9859	-		0.00E+00		1.02	ND	2.62E+04	0.381
PCB-15 44'-DiCB	17.91		1.0008	1.0009	+0.1	1.62E+07	1.58	1.08	24.6	2.62E+04	0.358

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19	22'6"-TrCB		1.0011	1.0011	0	7.87E+06	1.09	1.09	24.7	3.92E+03	0.0958
PCB-30/18	246/22'5"-TrCB	C	1.1077	-	-	0.00E+00		1.39	ND	3.92E+03	0.0756
PCB-17	22'4"-TrCB		1.1317	-	-	0.00E+00		1.18	ND	3.92E+03	0.0887
PCB-27	23'6"-TrCB		1.1435	-	-	0.00E+00		1.61	ND	3.92E+03	0.0652
PCB-24	236"-TrCB		1.1514	-	-	0.00E+00		1.57	ND	3.92E+03	0.0667
PCB-16	22'3"-TrCB		1.1568	-	-	0.00E+00		0.86	ND	3.92E+03	0.122
PCB-32	24'6"-TrCB		1.1866	-	-	0.00E+00		1.68	ND	3.92E+03	0.0623
PCB-34	23'5"-TrCB		0.8111	-	-	0.00E+00		1.06	ND	3.72E+03	0.0652
PCB-23	235"-TrCB		0.8168	-	-	0.00E+00		1.11	ND	3.72E+03	0.0619
PCB-26/29	23'5"/245"-TrCB		0.8282	-	-	0.00E+00		1.13	ND	3.72E+03	0.0611
PCB-25	23'4"-TrCB		0.8361	-	-	0.00E+00		1.12	ND	3.72E+03	0.0615
PCB-31	24'5"-TrCB		0.8472	-	-	0.00E+00		1.17	ND	3.72E+03	0.0588
PCB-28/20	244' / 233' -TrCB	C	0.8581	-	-	0.00E+00		1.10	ND	3.72E+03	0.0626
PCB-21/33	234' / 23'4' -TrCB	C	0.8650	-	-	0.00E+00		1.12	ND	3.72E+03	0.0616
PCB-22	234' -TrCB		0.8802	-	-	0.00E+00		1.05	ND	3.72E+03	0.0656
PCB-36	33'5"-TrCB		0.9366	-	-	0.00E+00		1.14	ND	3.72E+03	0.0606
PCB-39	34'5"-TrCB		0.9494	-	-	0.00E+00		1.20	ND	3.72E+03	0.0576
PCB-38	345"-TrCB		0.9701	-	-	0.00E+00		1.04	ND	3.72E+03	0.0665
PCB-35	33'4"-TrCB		0.9865	-	-	0.00E+00		1.06	ND	3.72E+03	0.0653
PCB-37	344' -TrCB		1.0007	1.0008	+0.1	1.52E+07	1.04	1.10	25.1	3.72E+03	0.0625
PCB-54	22'66"-TeCB		1.0010	1.0010	0	9.84E+06	0.78	1.21	23.3	1.78E+03	0.0358
PCB-50/53	22'46"/22'56"-TeCB		0.9082	-	-	0.00E+00		0.82	ND	1.84E+03	0.0465
PCB-45	22'36"-TeCB		0.9329	-	-	0.00E+00		0.72	ND	1.84E+03	0.0531
PCB-51	22'46"-TeCB		0.9363	-	-	0.00E+00		0.80	ND	1.84E+03	0.0476
PCB-46	22'36"-TeCB		0.9450	-	-	0.00E+00		0.66	ND	1.84E+03	0.0581
PCB-52	22'55"-TeCB		1.0010	-	-	0.00E+00		0.78	ND	1.84E+03	0.0488
PCB-73	23'5'6"-TeCB		1.0065	-	-	0.00E+00		1.10	ND	1.84E+03	0.0347
PCB-43	22'35"-TeCB		1.0102	-	-	0.00E+00		0.63	ND	1.84E+03	0.0603
PCB-69/49	23'46"/22'45"-TeCB	C	1.0192	-	-	0.00E+00		0.98	ND	1.84E+03	0.0392
PCB-48	22'45"-TeCB		1.0311	-	-	0.00E+00		0.80	ND	1.84E+03	0.0476
PCB-44/47/65	...-TeCB	C	1.0405	-	-	0.00E+00		0.85	ND	1.84E+03	0.0449
PCB-59/62/75	...-TeCB	C	1.0526	-	-	0.00E+00		1.09	ND	1.84E+03	0.0351
PCB-42	22'34"-TeCB		1.0595	-	-	0.00E+00		0.76	ND	1.84E+03	0.0501
PCB-41	22'34"-TeCB		1.0737	-	-	0.00E+00		0.62	ND	1.84E+03	0.0615
PCB-71/40	23'4'6"/22'33'-TeCB	C	1.0782	-	-	0.00E+00		0.84	ND	1.84E+03	0.0454
PCB-64	234'6"-TeCB		1.0872	-	-	0.00E+00		1.17	ND	1.84E+03	0.0327
PCB-72	23'55"-TeCB		0.8338	-	-	0.00E+00		1.16	ND	2.37E+03	0.0426
PCB-68	23'45"-TeCB		0.8421	-	-	0.00E+00		1.26	ND	2.37E+03	0.0392
PCB-57	233'5"-TeCB		0.8540	-	-	0.00E+00		1.16	ND	2.37E+03	0.0426
PCB-58	233'5"-TeCB		0.8605	-	-	0.00E+00		1.16	ND	2.37E+03	0.0424
PCB-67	23'45"-TeCB		0.8657	-	-	0.00E+00		1.19	ND	2.37E+03	0.0413
PCB-63	234'5"-TeCB		0.8731	-	-	0.00E+00		1.27	ND	2.37E+03	0.0387
PCB-61/70/74/76	...-TeCB	C	0.8824	-	-	0.00E+00		1.17	ND	2.37E+03	0.042
PCB-66	23'44"-TeCB		0.8919	-	-	0.00E+00		1.11	ND	2.37E+03	0.0442
PCB-55	233'4"-TeCB		0.8963	-	-	0.00E+00		1.12	ND	2.37E+03	0.0441

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9106	-		0.00E+00		1.08	ND	2.37E+03	0.0457
PCB-60 234'-TeCB	NotFnd		0.9169	-		0.00E+00		1.12	ND	2.37E+03	0.0439
PCB-80 33'55'-TeCB	NotFnd		0.9292	-		0.00E+00		1.29	ND	2.37E+03	0.0382
PCB-79 33'45'-TeCB	NotFnd		0.9724	-		0.00E+00		1.22	ND	2.37E+03	0.0403
PCB-78 33'45'-TeCB	NotFnd		0.9882	-		0.00E+00		1.04	ND	2.37E+03	0.0475
PCB-104 22'466'-PeCB	22.90		1.0009	1.0009	0	9.52E+06	0.64	1.25	22.9	1.40E+03	0.0323
PCB-96 22'366'-PeCB	NotFnd		1.0138	-		0.00E+00		0.95	ND	1.40E+03	0.0425
PCB-103 22'45'6'-PeCB	NotFnd		0.8916	-		0.00E+00		0.94	ND	1.85E+03	0.0503
PCB-94 22'356'-PeCB	NotFnd		0.8978	-		0.00E+00		0.81	ND	1.85E+03	0.0582
PCB-95 22'35'6'-PeCB	NotFnd		0.9111	-		0.00E+00		0.86	ND	1.85E+03	0.0548
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9186	-		0.00E+00		0.90	ND	1.85E+03	0.0526
PCB-102 22'456'-PeCB	NotFnd		0.9226	-		0.00E+00		0.89	ND	1.85E+03	0.0532
PCB-98 22'34'6'-PeCB	NotFnd		0.9249	-		0.00E+00		0.83	ND	1.85E+03	0.0567
PCB-88 22'346'-PeCB	NotFnd		0.9350	-		0.00E+00		0.83	ND	1.85E+03	0.0572
PCB-91 22'34'6'-PeCB	NotFnd		0.9375	-		0.00E+00		0.92	ND	1.85E+03	0.0516
PCB-84 22'33'6'-PeCB	NotFnd		0.9438	-		0.00E+00		0.72	ND	1.85E+03	0.0653
PCB-89 22'346'-PeCB	NotFnd		0.9584	-		0.00E+00		0.79	ND	1.85E+03	0.06
PCB-121 23'45'6'-PeCB	NotFnd		0.9722	-		0.00E+00		1.20	ND	1.85E+03	0.0395
PCB-92 22'355'-PeCB	NotFnd		0.9830	-		0.00E+00		0.82	ND	1.85E+03	0.0575
PCB-113/90/101 ...-PeCB	NotFnd	C	0.9999	-		0.00E+00		0.97	ND	1.85E+03	0.0488
PCB-83 22'33'5'-PeCB	NotFnd		1.0148	-		0.00E+00		0.68	ND	1.85E+03	0.0699
PCB-99 22'44'5'-PeCB	NotFnd		1.0185	-		0.00E+00		0.96	ND	1.85E+03	0.0491
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.14	ND	1.85E+03	0.0414
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0339	-		0.00E+00		0.98	ND	1.85E+03	0.0482
PCB-117 234'56'-PeCB	NotFnd		1.0526	-		0.00E+00		0.89	ND	1.85E+03	0.053
PCB-116/85 23456'/22'344'-PeCB	NotFnd	C	1.0553	-		0.00E+00		1.06	ND	1.85E+03	0.0444
PCB-110 233'4'6'-PeCB	NotFnd		1.0599	-		0.00E+00		1.01	ND	1.85E+03	0.0468
PCB-115 2344'6'-PeCB	NotFnd		1.0629	-		0.00E+00		1.23	ND	1.85E+03	0.0384
PCB-82 22'33'4'-PeCB	NotFnd		1.0693	-		0.00E+00		0.70	ND	1.85E+03	0.0673
PCB-111 233'55'-PeCB	NotFnd		1.0822	-		0.00E+00		1.18	ND	1.85E+03	0.0401
PCB-120 23'455'-PeCB	NotFnd		1.0962	-		0.00E+00		1.16	ND	1.85E+03	0.0406
PCB-107/124 ...-PeCB	NotFnd	C	0.9911	-		0.00E+00		1.09	ND	1.85E+03	0.0432
PCB-109 233'46'-PeCB	NotFnd		0.9974	-		0.00E+00		1.16	ND	1.85E+03	0.0406
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		1.04	ND	1.85E+03	0.0455
PCB-122 233'4'5'-PeCB	NotFnd		1.0093	-		0.00E+00		1.01	ND	1.85E+03	0.052
PCB-127 33'455'-PeCB	NotFnd		1.0386	-		0.00E+00		1.07	ND	1.85E+03	0.0462
PCB-155 22'44'66'-HxCB	27.73		1.0008	1.0008	0	1.05E+07	1.26	1.09	23.8	1.05E+03	0.0237
PCB-152 22'3566'-HxCB	NotFnd		1.0056	-		0.00E+00		0.95	ND	1.05E+03	0.0273
PCB-150 22'34'66'-HxCB	NotFnd		1.0111	-		0.00E+00		0.98	ND	1.05E+03	0.0263
PCB-136 22'33'66'-HxCB	NotFnd		1.0213	-		0.00E+00		0.90	ND	1.05E+03	0.0289
PCB-145 22'3466'-HxCB	NotFnd		1.0309	-		0.00E+00		0.92	ND	1.05E+03	0.0282
PCB-148 22'34'56'-HxCB	NotFnd		1.0774	-		0.00E+00		0.69	ND	1.05E+03	0.0374
PCB-151/135 ...-HxCB	NotFnd	C	1.0955	-		0.00E+00		0.67	ND	1.05E+03	0.0383
PCB-154 22'44'56'-HxCB	NotFnd		1.1032	-		0.00E+00		0.78	ND	1.05E+03	0.0333
PCB-144 22'345'6'-HxCB	NotFnd		1.1122	-		0.00E+00		0.70	ND	1.05E+03	0.037

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	NotFnd	C	1.1230	-	-	0.00E+00	0.70	0.70	ND	1.05E+03	0.0369
PCB-134 22'33'56'-HxCB	NotFnd		1.1286	-	-	0.00E+00	0.54	0.54	ND	1.05E+03	0.0474
PCB-143 22'3456'-HxCB	NotFnd		1.1315	-	-	0.00E+00	0.68	0.68	ND	1.05E+03	0.0379
PCB-139/140 ...-HxCB	NotFnd	C	1.1413	-	-	0.00E+00	0.71	0.71	ND	1.05E+03	0.0364
PCB-131 22'33'46'-HxCB	NotFnd		1.1470	-	-	0.00E+00	0.60	0.60	ND	1.05E+03	0.0428
PCB-142 22'3456'-HxCB	NotFnd		1.1518	-	-	0.00E+00	0.61	0.61	ND	1.05E+03	0.0426
PCB-132 22'33'46'-HxCB	NotFnd		1.1605	-	-	0.00E+00	0.63	0.63	ND	1.05E+03	0.0411
PCB-133 22'33'55'-HxCB	NotFnd		1.1765	-	-	0.00E+00	0.64	0.64	ND	1.05E+03	0.0404
PCB-165 233'55'6'-HxCB	NotFnd		0.9500	-	-	0.00E+00	0.81	0.81	ND	1.05E+03	0.032
PCB-146 22'34'55'-HxCB	NotFnd		0.9560	-	-	0.00E+00	0.72	0.72	ND	1.05E+03	0.0357
PCB-161 233'45'6'-HxCB	NotFnd		0.9593	-	-	0.00E+00	0.89	0.89	ND	1.05E+03	0.0292
PCB-153/168 ...-HxCB	NotFnd	C	0.9715	-	-	0.00E+00	0.93	0.93	ND	1.05E+03	0.0278
PCB-141 22'3455'-HxCB	NotFnd		0.9753	-	-	0.00E+00	0.67	0.67	ND	1.05E+03	0.0387
PCB-130 22'33'45'-HxCB	NotFnd		0.9850	-	-	0.00E+00	0.59	0.59	ND	1.05E+03	0.0441
PCB-137 22'344'5'-HxCB	NotFnd		0.9906	-	-	0.00E+00	0.66	0.66	ND	1.05E+03	0.0393
PCB-164 233'4'5'6'-HxCB	NotFnd		0.9931	-	-	0.00E+00	0.95	0.95	ND	1.05E+03	0.0271
PCB-163/138/129 ...-HxCB	NotFnd	C	1.0012	-	-	0.00E+00	0.73	0.73	ND	1.05E+03	0.0355
PCB-160 233'456'-HxCB	NotFnd		1.0048	-	-	0.00E+00	0.83	0.83	ND	1.05E+03	0.0311
PCB-158 233'44'6'-HxCB	NotFnd		1.0103	-	-	0.00E+00	0.95	0.95	ND	1.05E+03	0.0272
PCB-128/166 ...-HxCB	NotFnd	C	0.9607	-	-	0.00E+00	0.88	0.88	ND	2.02E+03	0.0663
PCB-159 233'455'-HxCB	NotFnd		0.9834	-	-	0.00E+00	1.02	1.02	ND	2.02E+03	0.0574
PCB-162 233'4'55'-HxCB	NotFnd		0.9898	-	-	0.00E+00	1.06	1.06	ND	2.02E+03	0.0553
PCB-188 22'34'566'-HxCB	32.53		1.0006	1.0007	+0.2	9.11E+06	1.06	1.03	25.4	1.07E+03	0.0317
PCB-179 22'33'566'-HxCB	NotFnd		1.0088	-	-	0.00E+00	0.91	0.91	ND	1.07E+03	0.0359
PCB-184 22'344'66'-HxCB	NotFnd		1.0231	-	-	0.00E+00	0.91	0.91	ND	1.07E+03	0.0359
PCB-176 22'33'466'-HxCB	NotFnd		1.0317	-	-	0.00E+00	1.00	1.00	ND	1.07E+03	0.0327
PCB-186 22'34566'-HxCB	NotFnd		1.0434	-	-	0.00E+00	0.94	0.94	ND	1.07E+03	0.0347
PCB-178 22'33'55'6'-HxCB	NotFnd		1.0791	-	-	0.00E+00	0.68	0.68	ND	1.07E+03	0.0481
PCB-175 22'33'45'6'-HxCB	NotFnd		1.0956	-	-	0.00E+00	0.77	0.77	ND	1.38E+03	0.0548
PCB-187 22'34'55'6'-HxCB	NotFnd		1.1026	-	-	0.00E+00	0.83	0.83	ND	1.38E+03	0.0513
PCB-182 22'344'56'6'-HxCB	NotFnd		1.1079	-	-	0.00E+00	0.86	0.86	ND	1.38E+03	0.0494
PCB-183 22'344'5'6'-HxCB	NotFnd		1.1185	-	-	0.00E+00	0.90	0.90	ND	1.38E+03	0.0472
PCB-185 22'3455'6'-HxCB	NotFnd		1.1208	-	-	0.00E+00	0.79	0.79	ND	1.38E+03	0.0539
PCB-174 22'33'456'6'-HxCB	NotFnd		1.1240	-	-	0.00E+00	0.72	0.72	ND	1.38E+03	0.0588
PCB-177 22'33'45'6'-HxCB	NotFnd		1.1353	-	-	0.00E+00	0.70	0.70	ND	1.38E+03	0.0609
PCB-181 22'344'56'-HxCB	NotFnd		1.1459	-	-	0.00E+00	0.81	0.81	ND	1.38E+03	0.0524
PCB-171/173 ...-HxCB	NotFnd	C	1.1512	-	-	0.00E+00	0.71	0.71	ND	1.38E+03	0.0599
PCB-172 22'33'455'-HxCB	NotFnd		0.9026	-	-	0.00E+00	0.71	0.71	ND	1.38E+03	0.0583
PCB-192 233'455'6'-HxCB	NotFnd		0.9083	-	-	0.00E+00	0.93	0.93	ND	1.38E+03	0.0442
PCB-180/193 ...-HxCB	NotFnd	C	0.9146	-	-	0.00E+00	0.90	0.90	ND	1.38E+03	0.0456
PCB-191 233'44'5'6'-HxCB	NotFnd		0.9222	-	-	0.00E+00	0.97	0.97	ND	1.38E+03	0.0425
PCB-170 22'33'44'5'-HxCB	NotFnd		0.9396	-	-	0.00E+00	0.72	0.72	ND	1.38E+03	0.0569
PCB-190 233'44'56'-HxCB	NotFnd		0.9500	-	-	0.00E+00	0.97	0.97	ND	1.38E+03	0.0425
PCB-202 22'33'55'66'6'-OxCB	37.02		1.0006	1.0006	0	8.43E+06	0.89	0.91	29.2	9.12E+02	0.0361
PCB-201 22'33'45'66'6'-OxCB	NotFnd		1.0215	-	-	0.00E+00	0.98	0.98	ND	9.12E+02	0.0336

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204	22'344'566'-OCCB	NotFnd	1.0369	-	0.00E+00	0.93	ND	9.12E+02	0.0355		
PCB-197	22'33'44'66'-OCCB	NotFnd	1.0420	-	0.00E+00	1.02	ND	9.12E+02	0.0324		
PCB-200	22'33'4566'-OCCB	NotFnd	1.0441	-	0.00E+00	0.93	ND	9.12E+02	0.0356		
PCB-198/199	...-OCCB	C	1.1072	-	0.00E+00	0.67	ND	9.12E+02	0.0494		
PCB-196	22'33'44'56'-OCCB	NotFnd	1.1225	-	0.00E+00	0.70	ND	9.12E+02	0.0474		
PCB-203	22'344'55'6-OCCB	NotFnd	1.1270	-	0.00E+00	0.73	ND	9.12E+02	0.0452		
PCB-195	22'33'44'56-OCCB	NotFnd	0.9483	-	0.00E+00	0.75	ND	1.24E+03	0.056		
PCB-194	22'33'44'55'-OCCB	NotFnd	0.9917	-	0.00E+00	0.81	ND	1.24E+03	0.0522		
PCB-205	233'44'55'6-OCCB	45.15	1.0004	1.0004	0	7.85E+06	0.93	22.1	1.24E+03	0.0387	
PCB-208	22'33'455'66'-NoCB	42.60	1.0005	1.0005	0	7.32E+06	0.77	24.1	1.38E+03	0.0559	
PCB-207	22'33'44'566'-NoCB	NotFnd	1.0188	-	0.00E+00	0.94	ND	1.38E+03	0.0608		
PCB-206	22'33'44'55'6-NoCB	46.60	1.0004	1.0004	0	5.47E+06	0.78	24.6	1.38E+03	0.0763	

METHOD HR-PCB

PCB ONGOING PRECISION AND RECOVERY (OPR)

FORM 8A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM7_PCB_07132012_25JUL12
 Instrument ID: MM9 GC Column ID:
 VER Data Filename: 121017X02 Analysis Date: 17-OCT-2012 14:09:18
 Lab ID: OPR1_10216_PCB

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)	OK
PCB-1 2-MoCB	25	111	50 - 150	Y
PCB-3 4-MoCB	25	108	50 - 150	Y
PCB-4 22'-DiCB	25	105	50 - 150	Y
PCB-15 44'-DiCB	25	98.4	50 - 150	Y
PCB-19 22'6'-TriCB	25	98.6	50 - 150	Y
PCB-37 344'-TriCB	25	100	50 - 150	Y
PCB-54 22'66'-TeCB	25	93.4	50 - 150	Y
PCB-77 33'44'-TeCB	25	93.9	50 - 150	Y
PCB-81 344'5'-TeCB	25	92.1	50 - 150	Y
PCB-104 22'466'-PeCB	25	91.7	50 - 150	Y
PCB-105 233'44'-PeCB	25	99.2	50 - 150	Y
PCB-114 2344'5'-PeCB	25	98.3	50 - 150	Y
PCB-118 23'44'5'-PeCB	25	99.5	50 - 150	Y
PCB-123 23'44'5'-PeCB	25	88.2	50 - 150	Y
PCB-126 33'44'5'-PeCB	25	94.5	50 - 150	Y
PCB-155 22'44'66'-HxCB	25	95.2	50 - 150	Y
PCB-156/157 ...-HxCB	50	96.2	50 - 150	Y
PCB-167 23'44'55'-HxCB	25	94.4	50 - 150	Y
PCB-169 33'44'55'-HxCB	25	92.4	50 - 150	Y
PCB-188 22'34'566'-HpCB	25	102	50 - 150	Y
PCB-189 233'44'55'-HpCB	25	98.5	50 - 150	Y
PCB-202 22'33'55'66'-OcCB	25	117	50 - 150	Y
PCB-205 233'44'55'6'-OcCB	25	88.4	50 - 150	Y
PCB-206 22'33'44'55'6'-NoCB	25	98.5	50 - 150	Y
PCB-208 22'33'455'66'-NoCB	25	96.2	50 - 150	Y
PCB-209 DeCB	25	99.2	50 - 150	Y

Contract-required recovery limits for OPR as specified in Table 6, Method 1668A.

Processed: 18 Oct 2012 14:57 Analyst: LB

METHOD HR-PCB

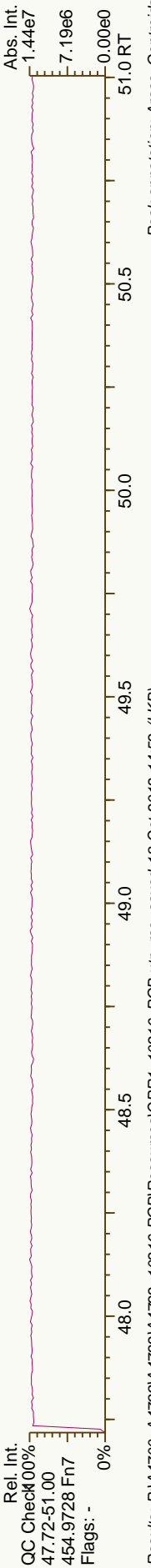
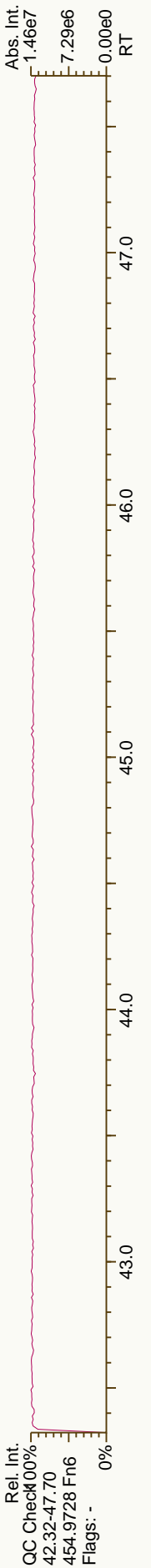
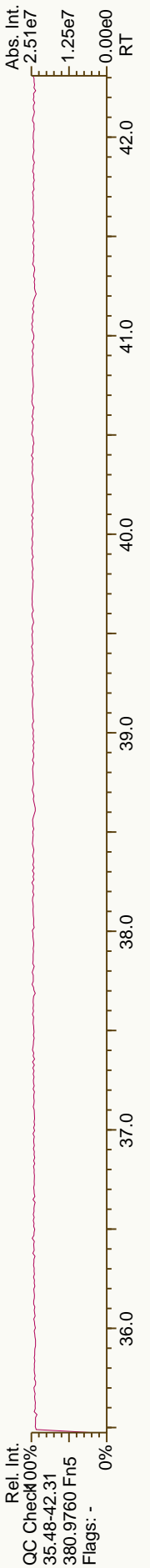
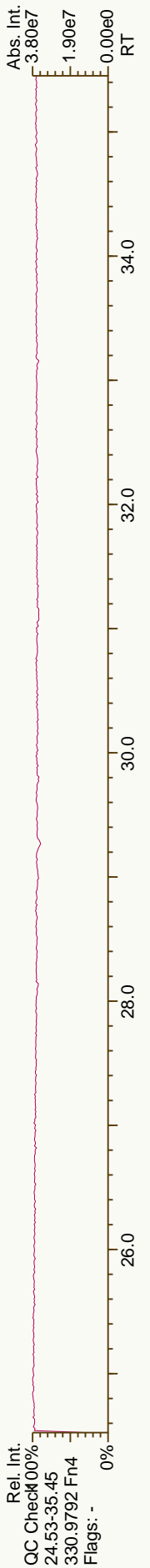
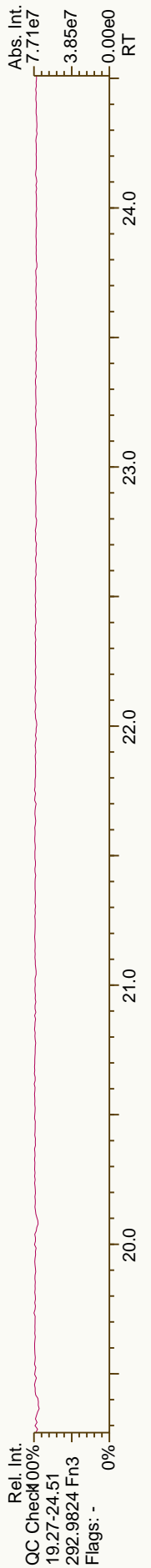
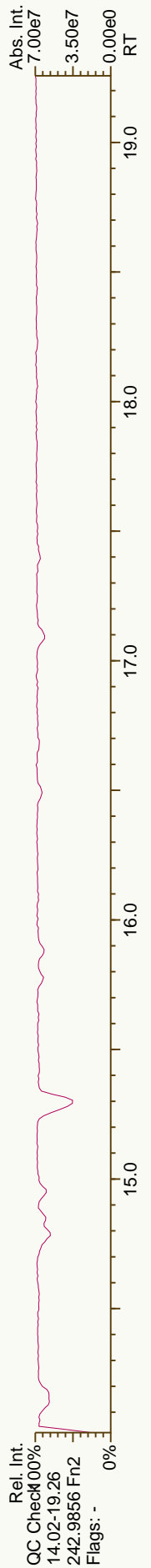
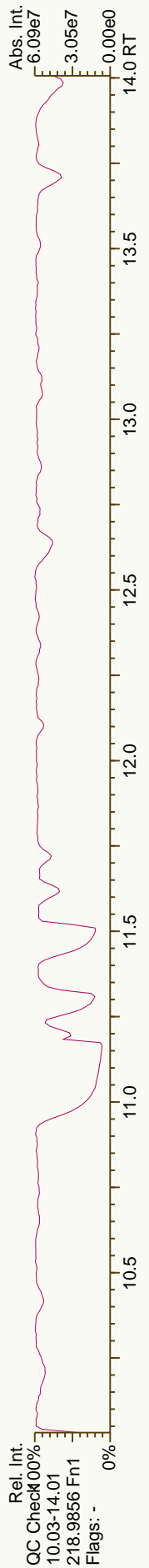
PCB ONGOING PRECISION AND RECOVERY (OPR)

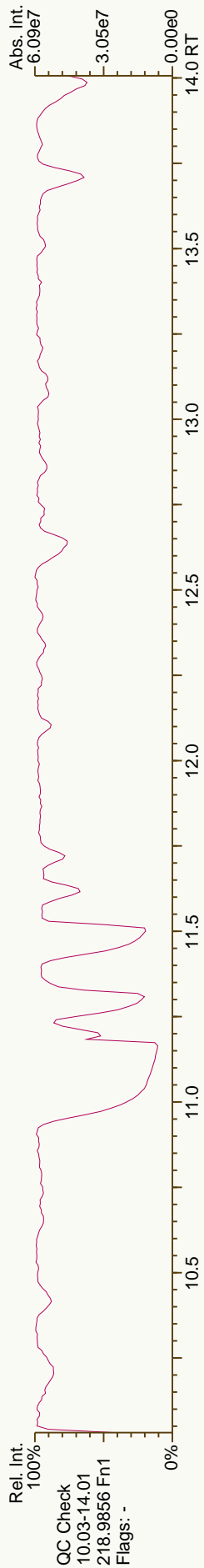
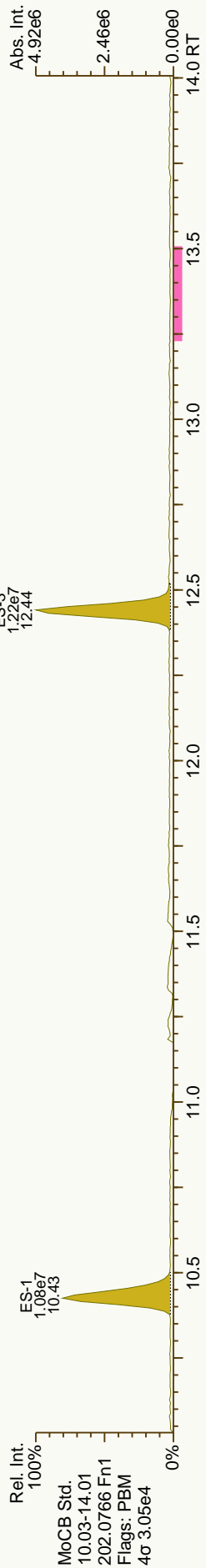
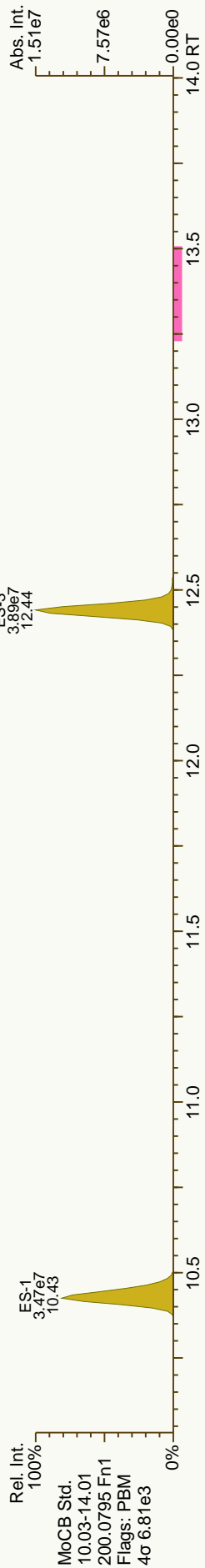
FORM 8B

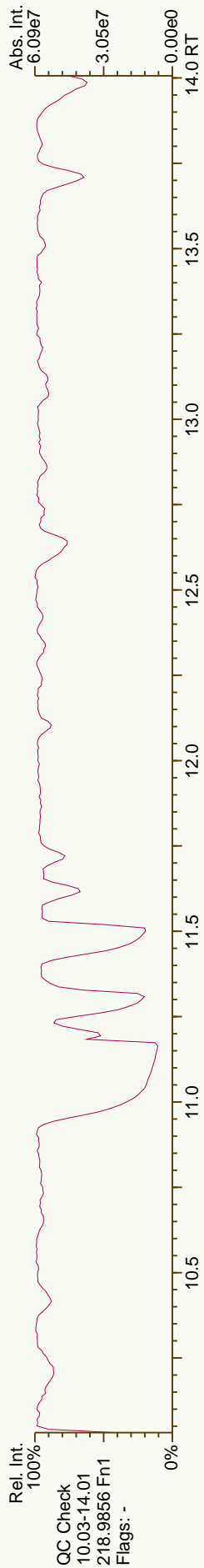
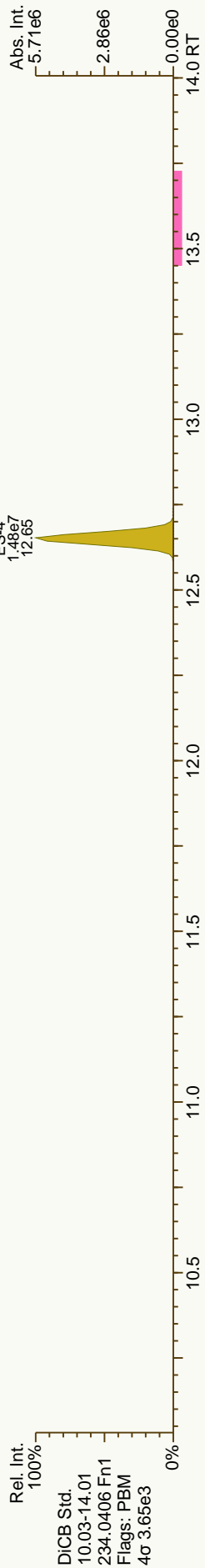
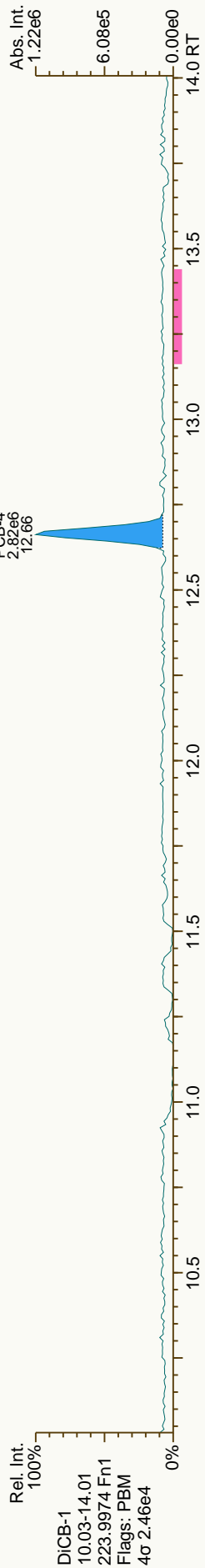
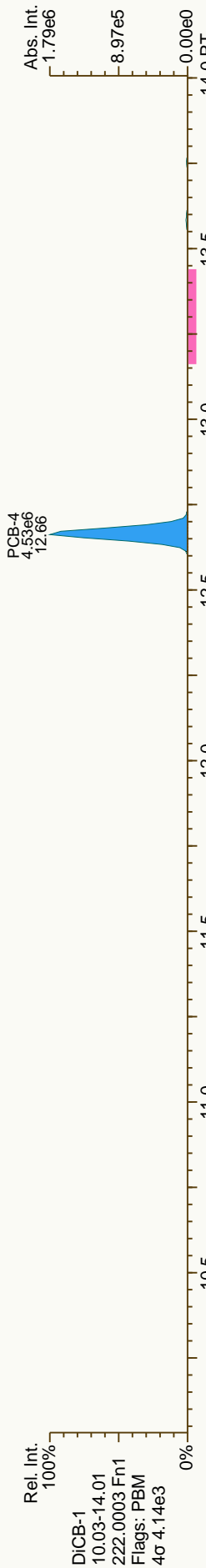
Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM7_PCB_07132012_25JUL12
 Instrument ID: MM9 GC Column ID:
 VER Data Filename: 121017X02 Analysis Date: 17-OCT-2012 14:09:18
 Lab ID: OPR1_10216_PCB

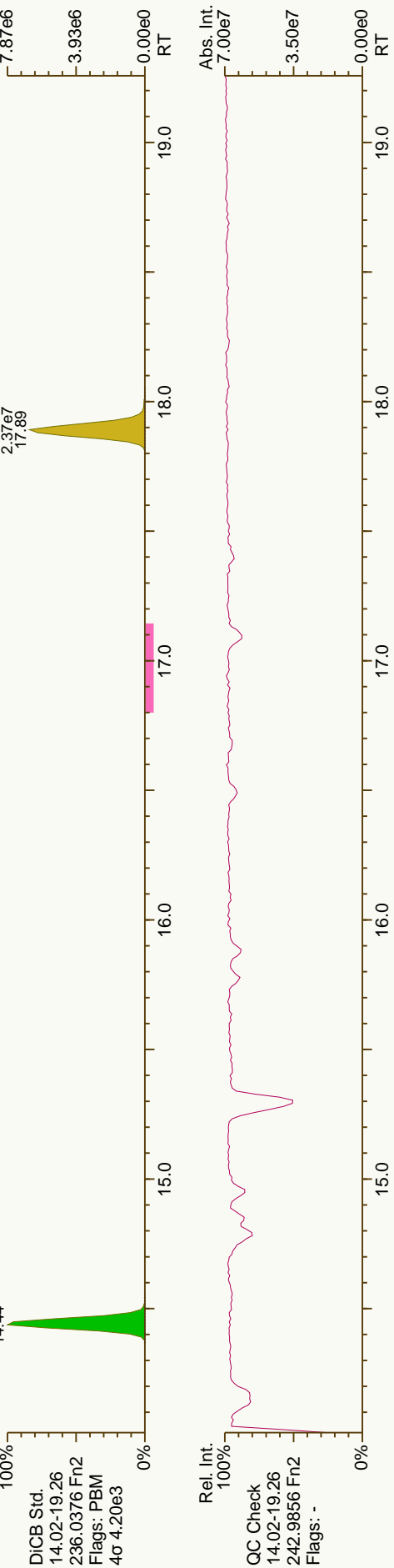
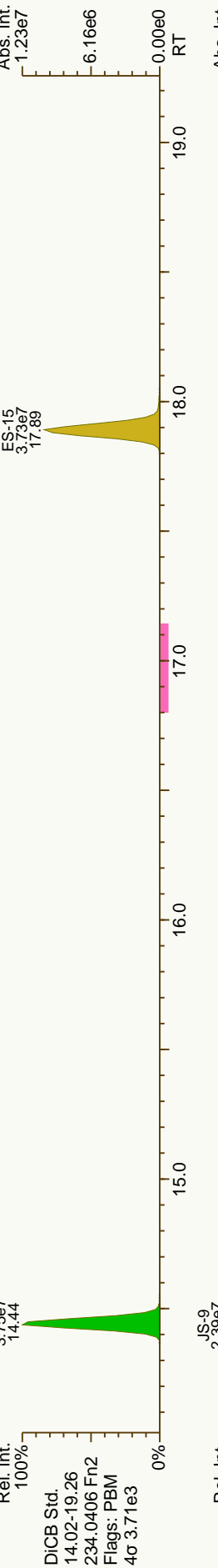
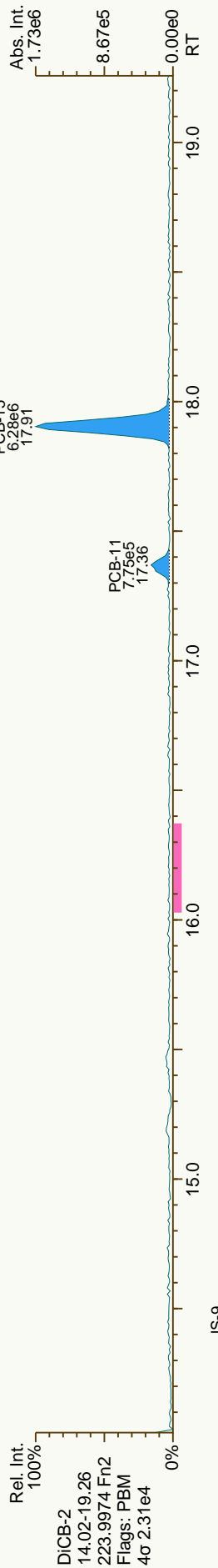
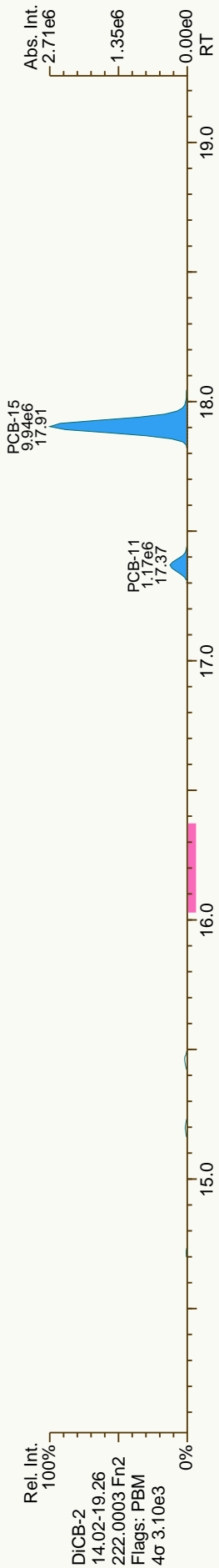
LABELLED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)	OK
ES PCB-1	100	68.6	30 - 140	Y
ES PCB-3	100	77	30 - 140	Y
ES PCB-4	100	80.2	30 - 140	Y
ES PCB-15	100	89.6	30 - 140	Y
ES PCB-19	100	85.9	30 - 140	Y
ES PCB-37	100	92.6	30 - 140	Y
ES PCB-54	100	102	30 - 140	Y
ES PCB-77	100	102	30 - 140	Y
ES PCB-81	100	108	30 - 140	Y
ES PCB-104	100	96.2	30 - 140	Y
ES PCB-105	100	92.6	30 - 140	Y
ES PCB-114	100	87.7	30 - 140	Y
ES PCB-118	100	94	30 - 140	Y
ES PCB-123	100	99.1	30 - 140	Y
ES PCB-126	100	101	30 - 140	Y
ES PCB-153	100	-	30 - 140	-
ES PCB-155	100	85.4	30 - 140	Y
ES PCB-156/157	200	80.8	30 - 140	Y
ES PCB-167	100	78.5	30 - 140	Y
ES PCB-169	100	81.5	30 - 140	Y
ES PCB-170	100	-	30 - 140	-
ES PCB-180	100	-	30 - 140	-
ES PCB-188	100	92.7	30 - 140	Y
ES PCB-189	100	96.8	30 - 140	Y
ES PCB-202	100	87.4	30 - 140	Y
ES PCB-205	100	108	30 - 140	Y
ES PCB-206	100	104	30 - 140	Y
ES PCB-208	100	99.9	30 - 140	Y
ES PCB-209	100	102	30 - 140	Y
CLEANUP STANDARDS				
CS PCB-28	100	97.1	40 - 125	Y
CS PCB-111	100	107	40 - 125	Y
CS PCB-178	100	108	40 - 125	Y

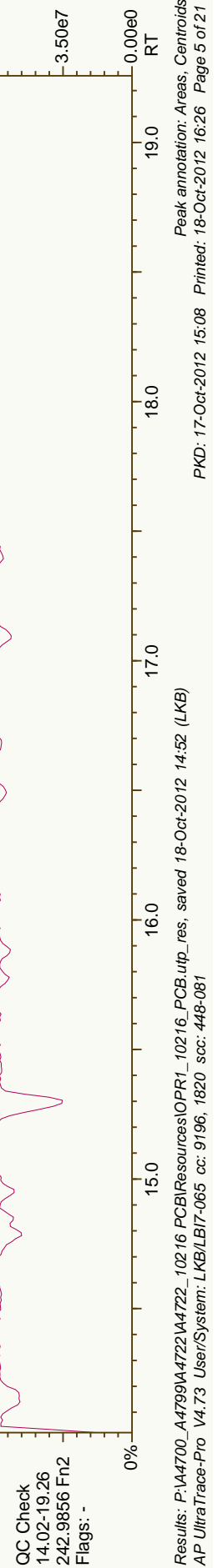
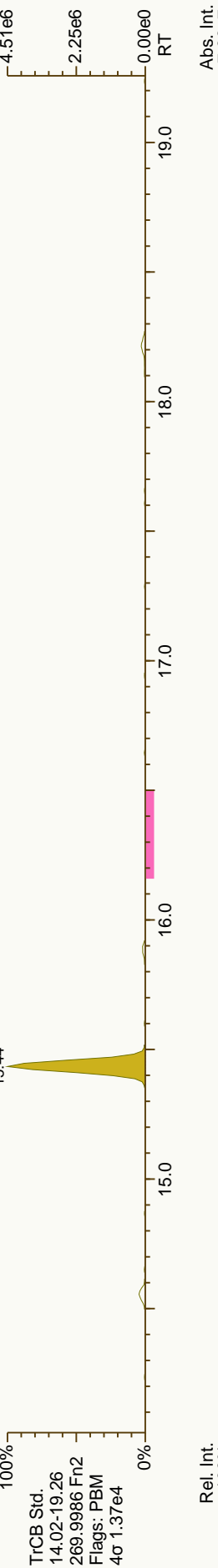
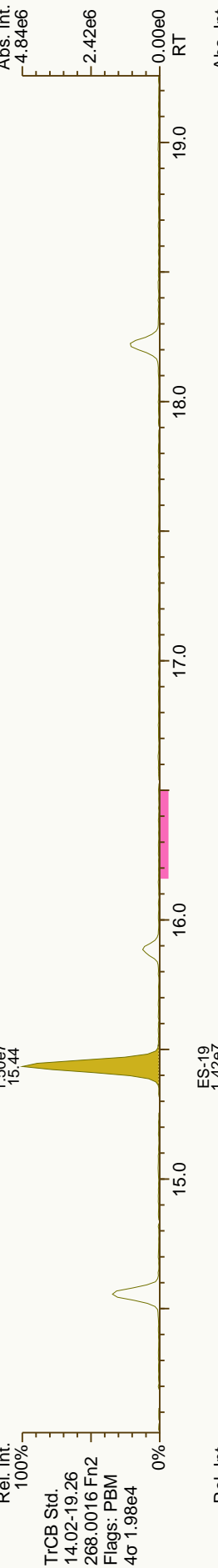
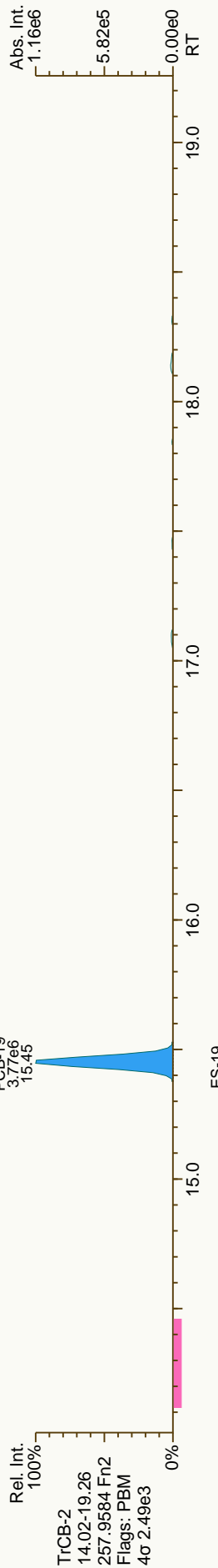
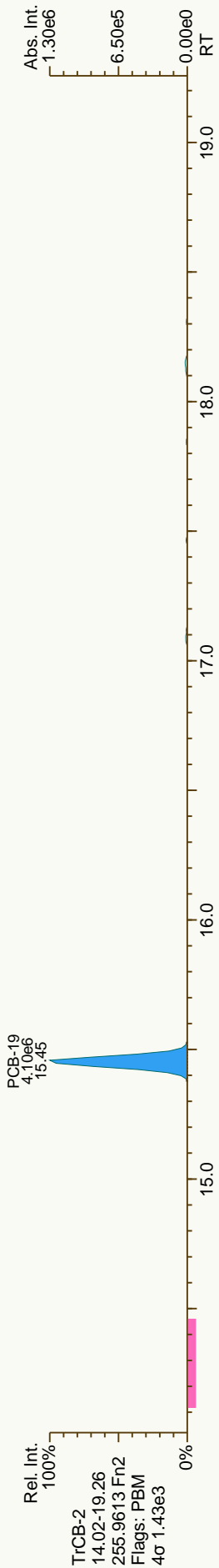
Processed: 18 Oct 2012 14:57 Analyst: LB

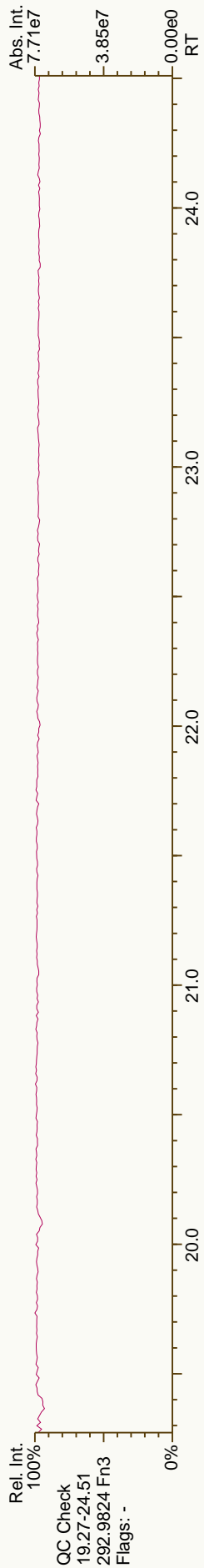
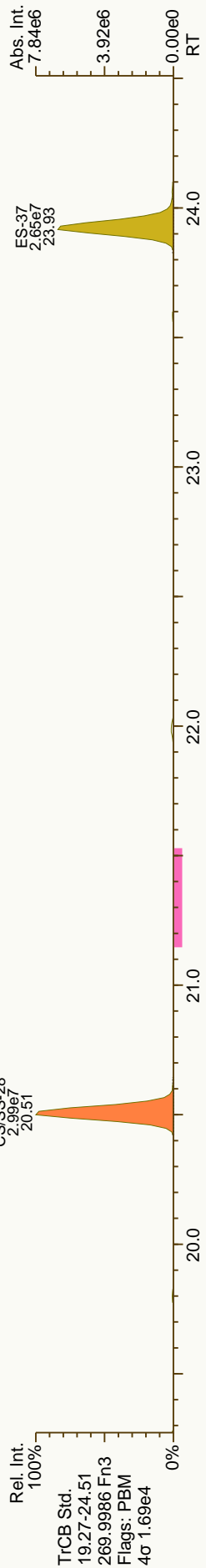
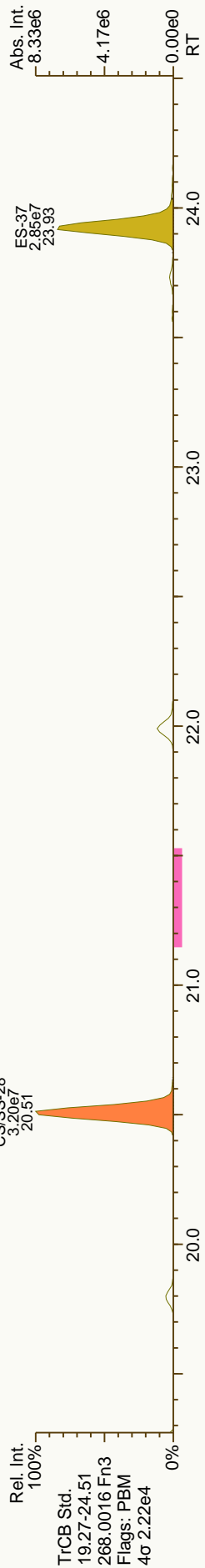
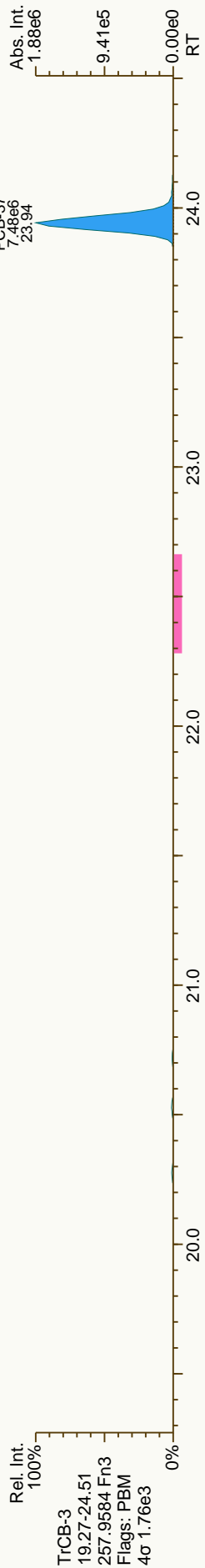
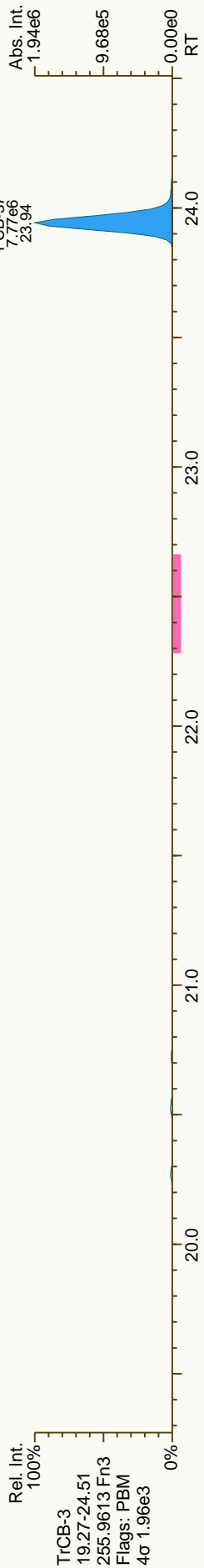


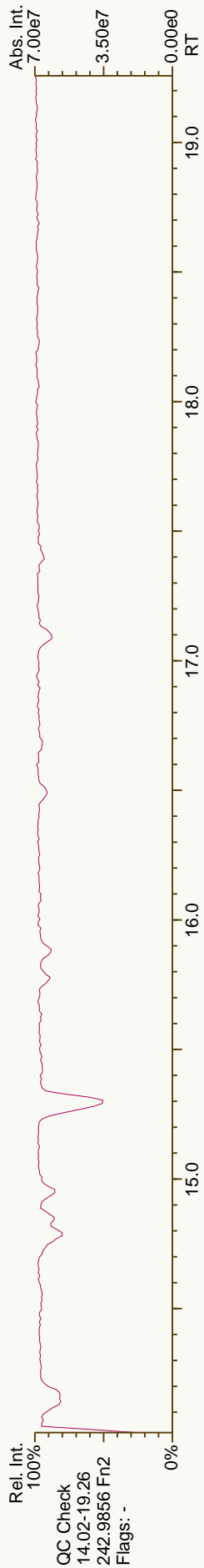
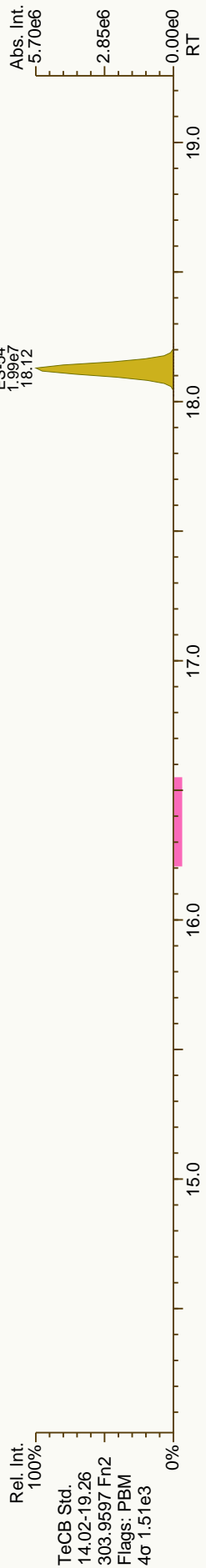
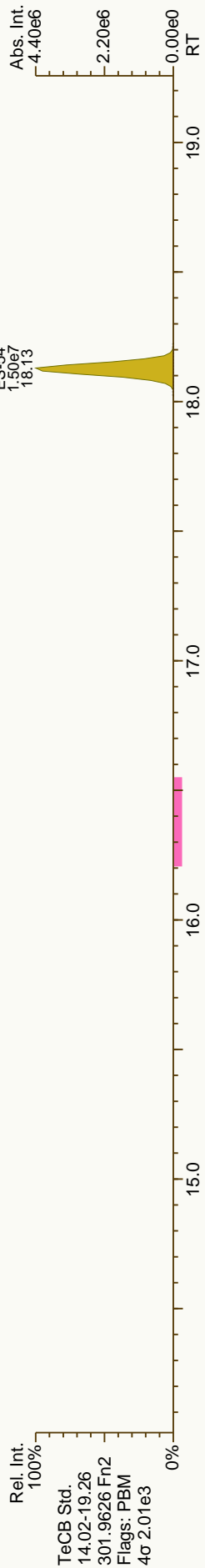
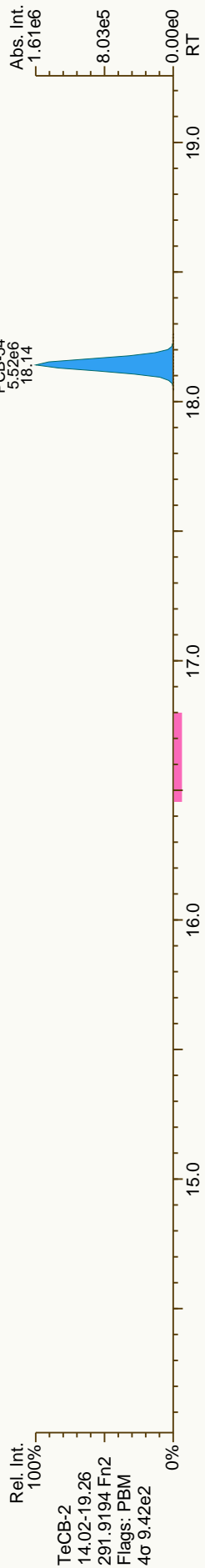
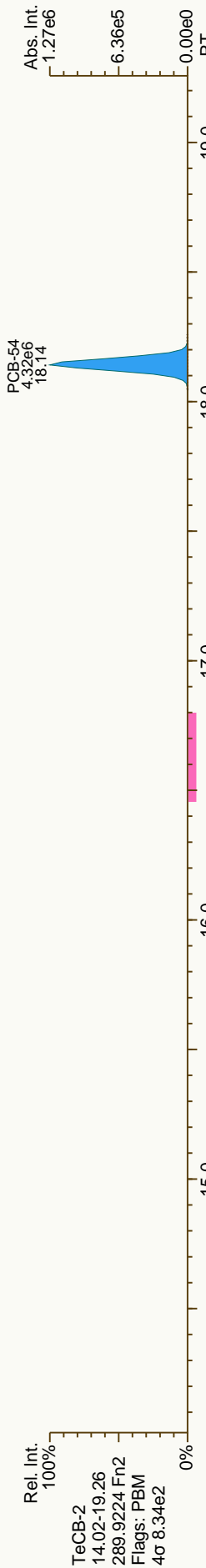


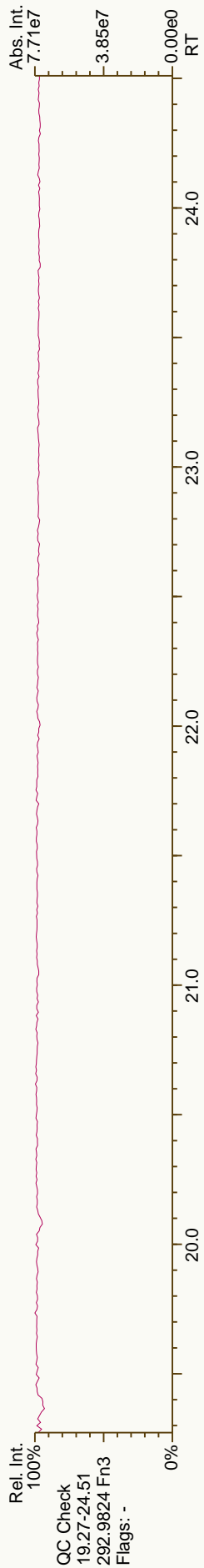
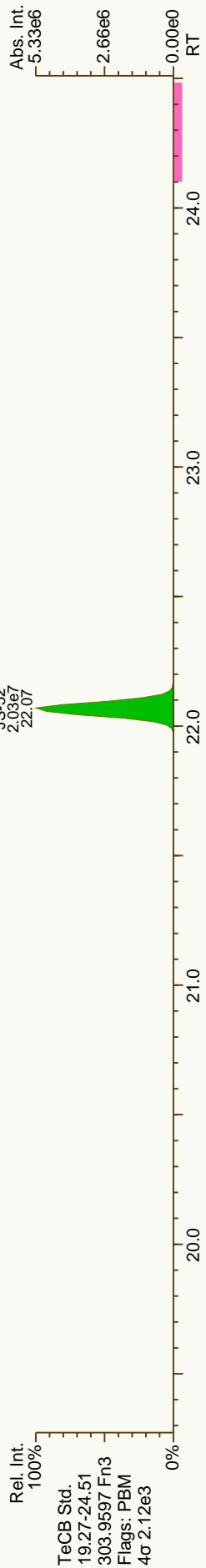
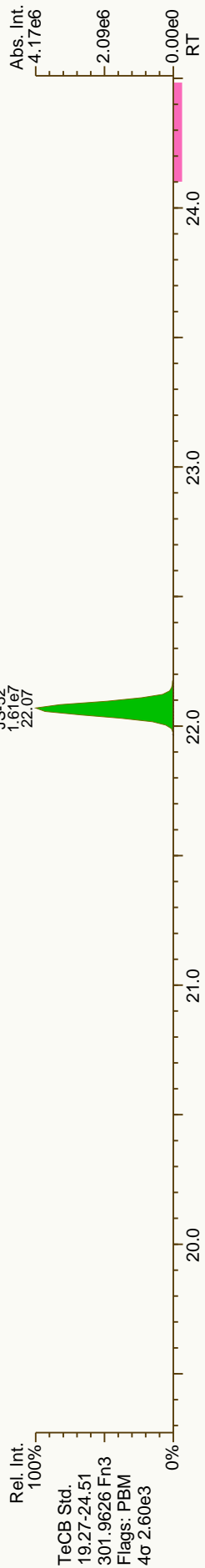
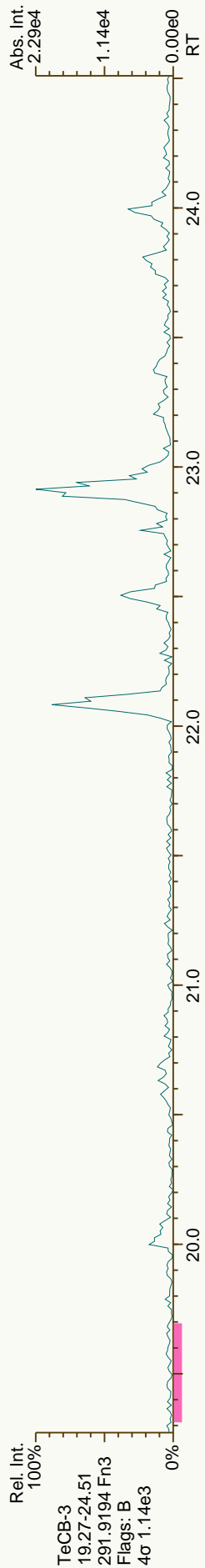
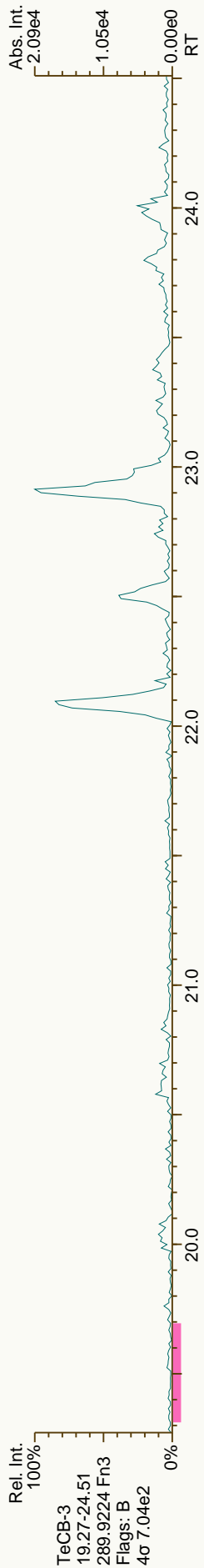


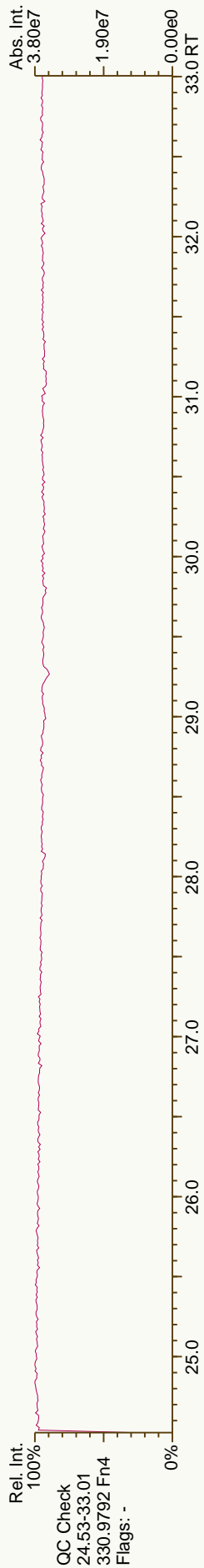
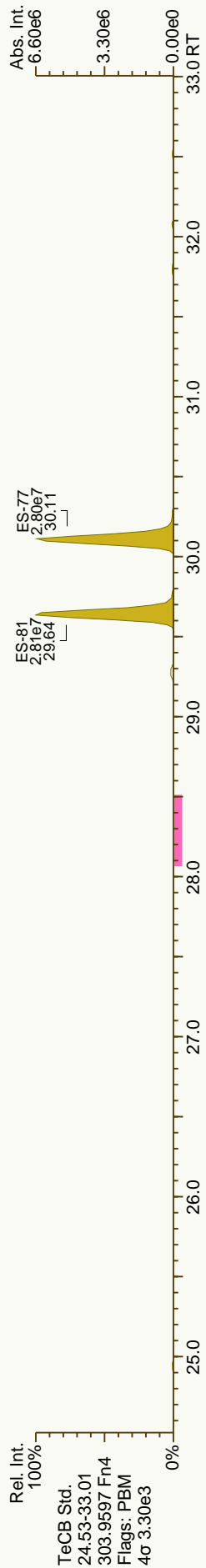
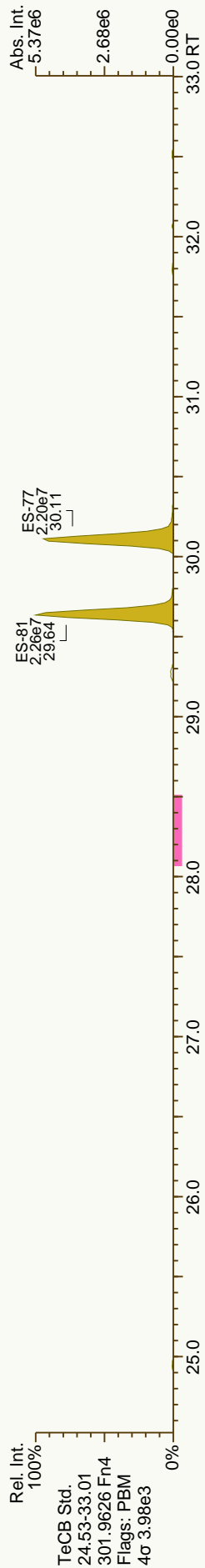
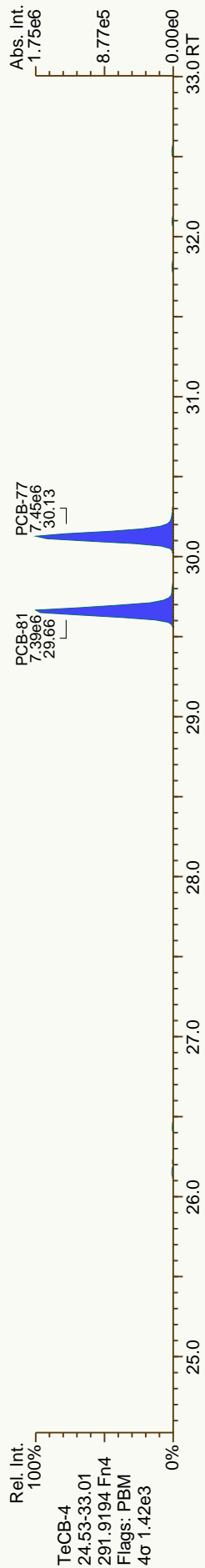
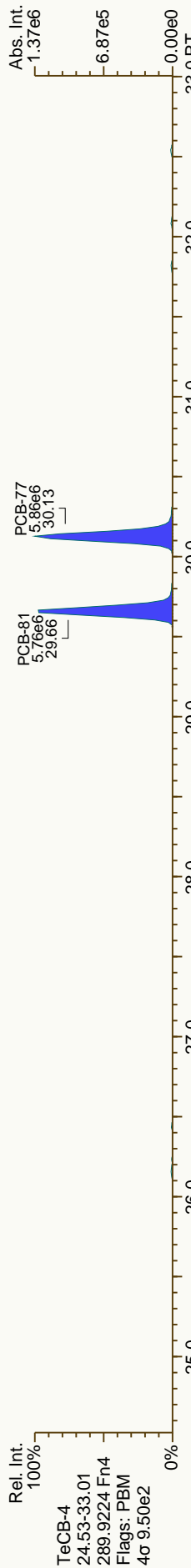


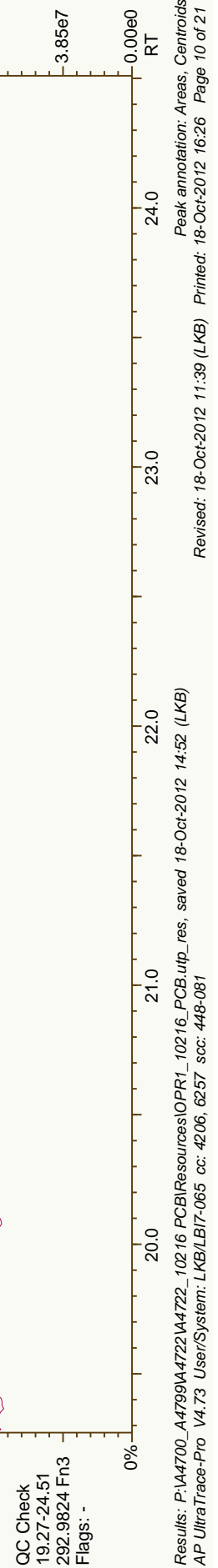
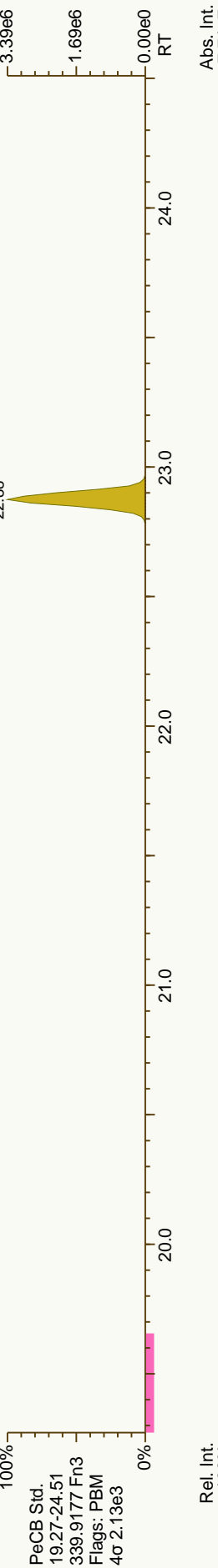
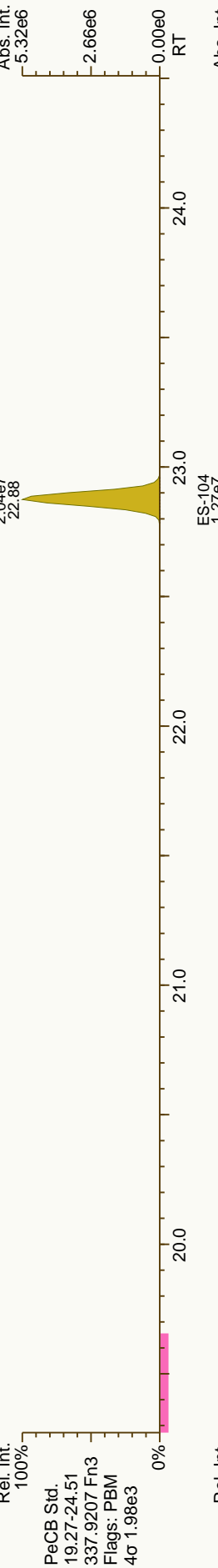
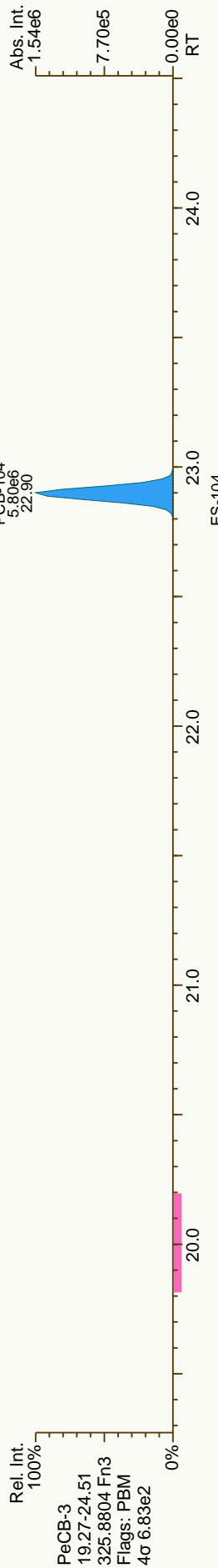
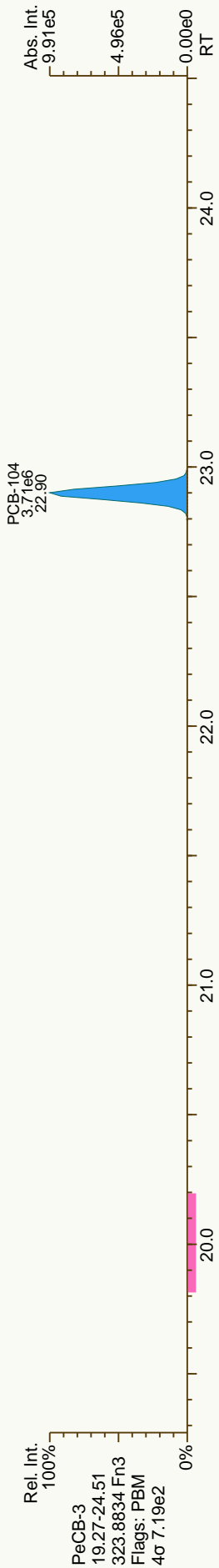


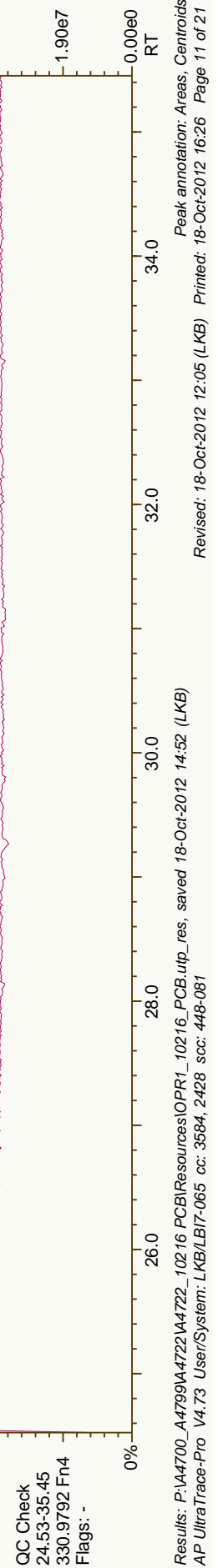
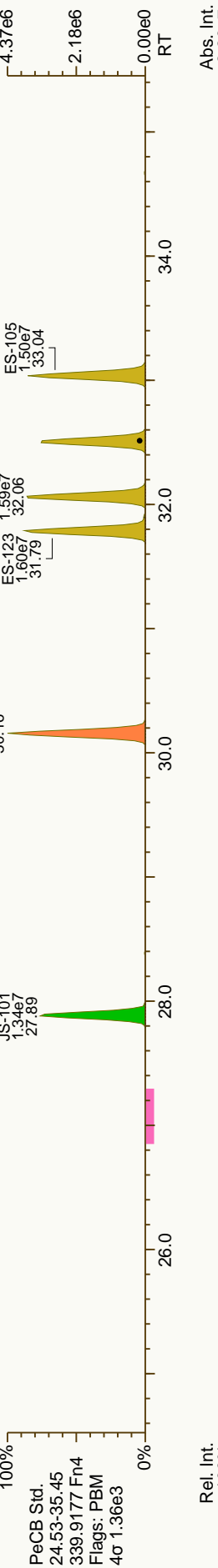
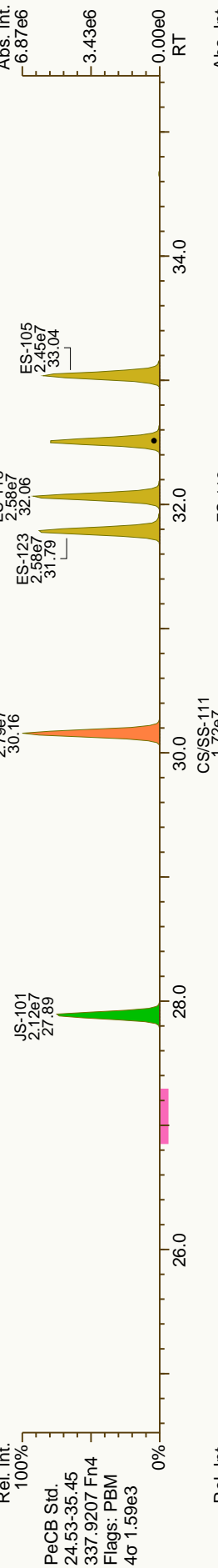
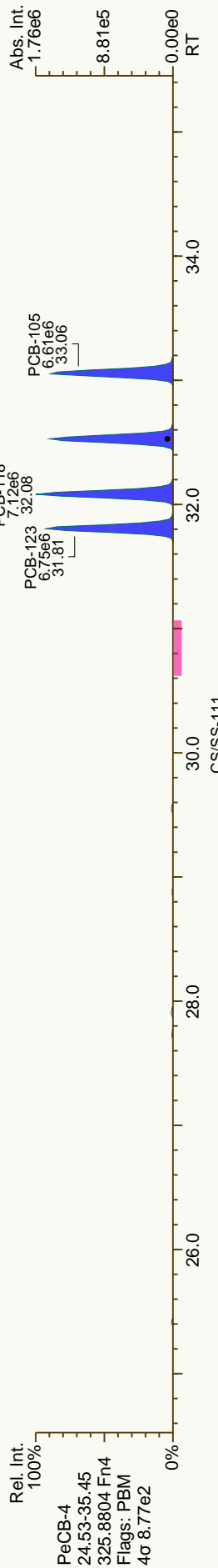
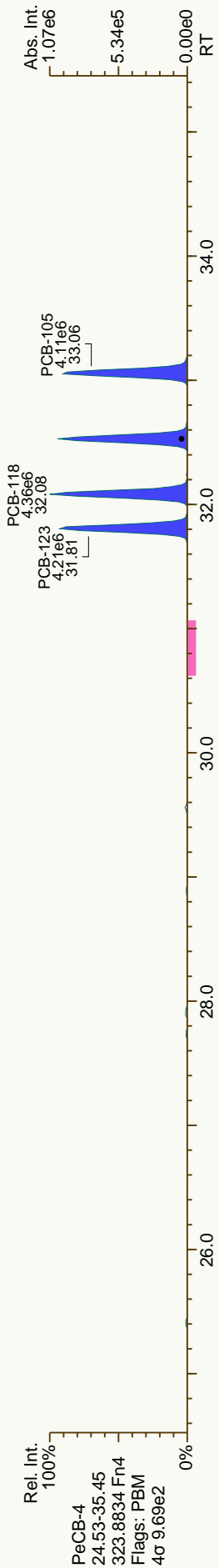


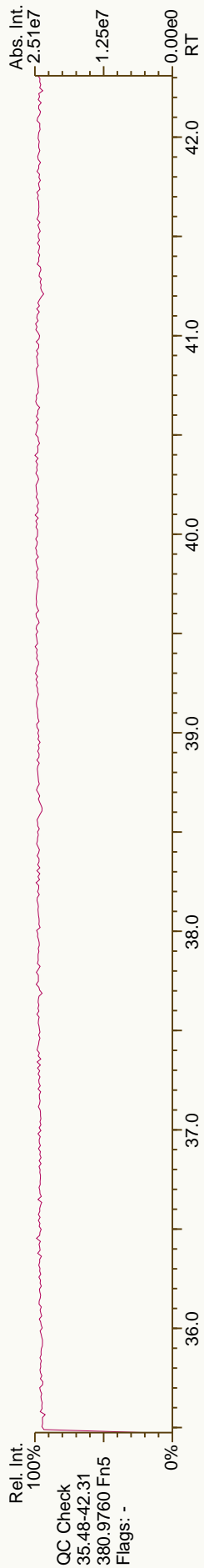
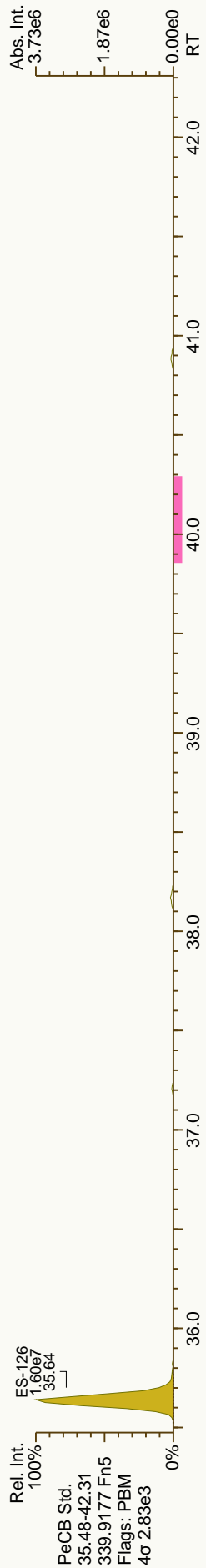
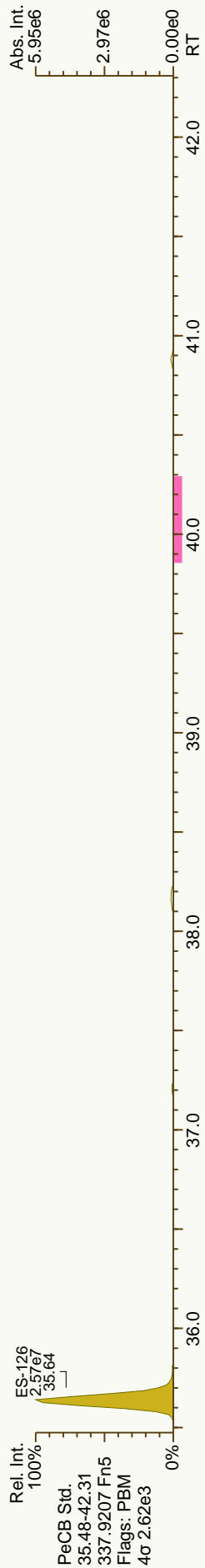
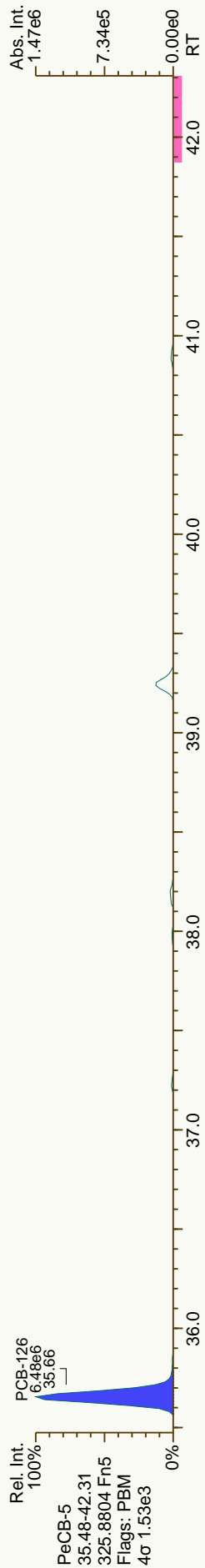
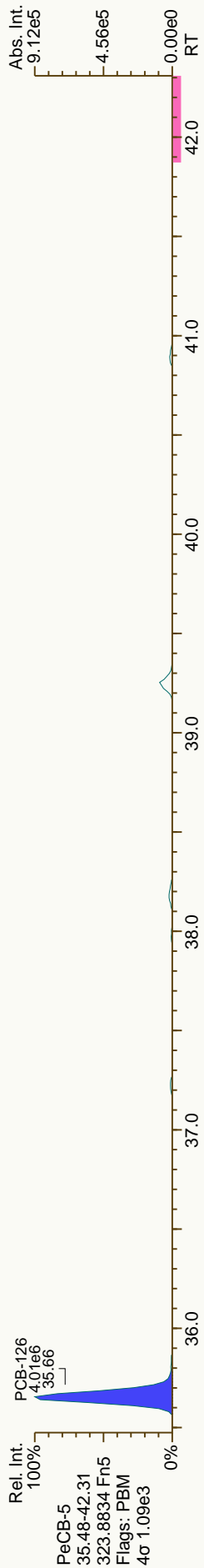


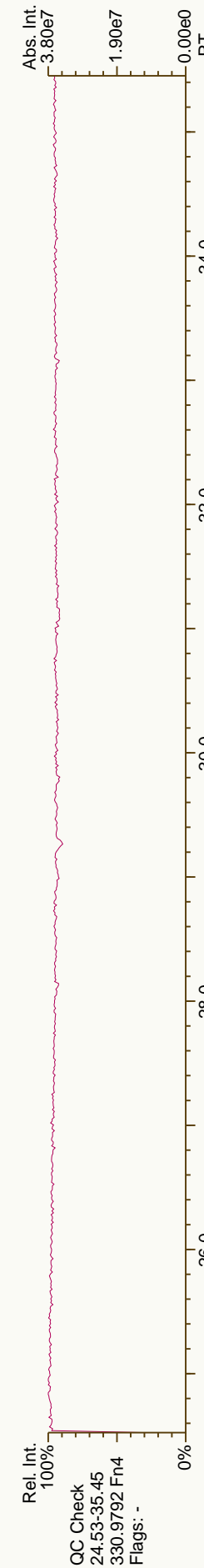
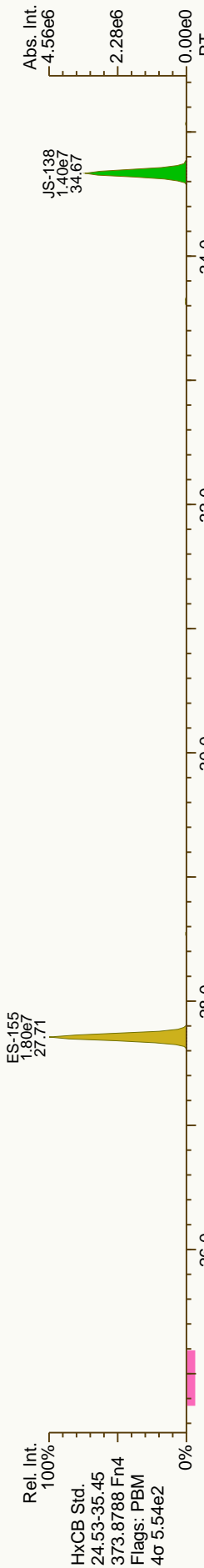
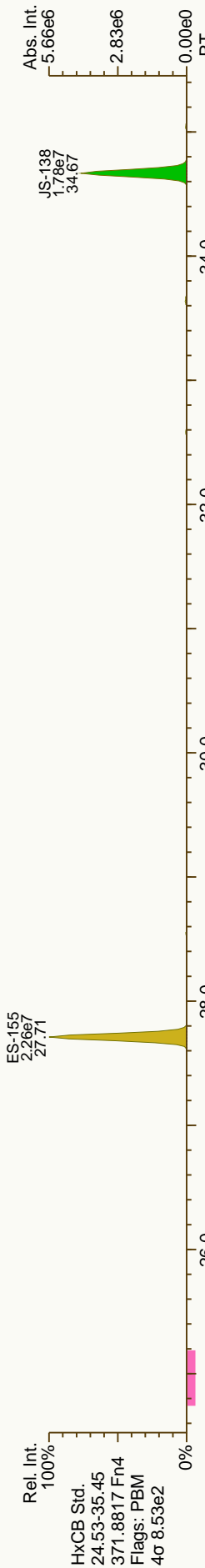
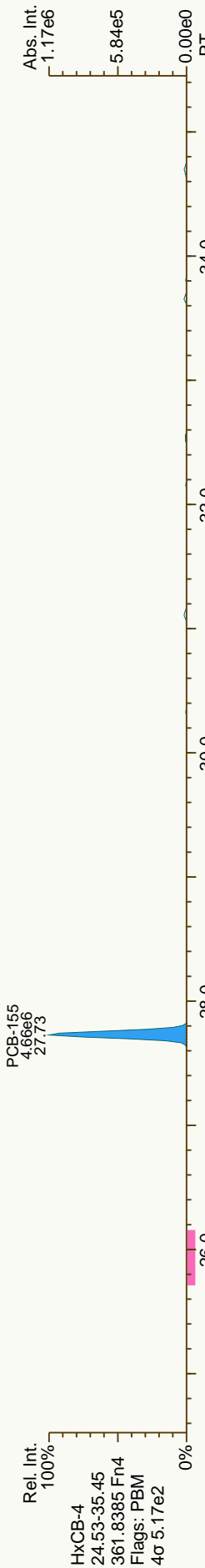
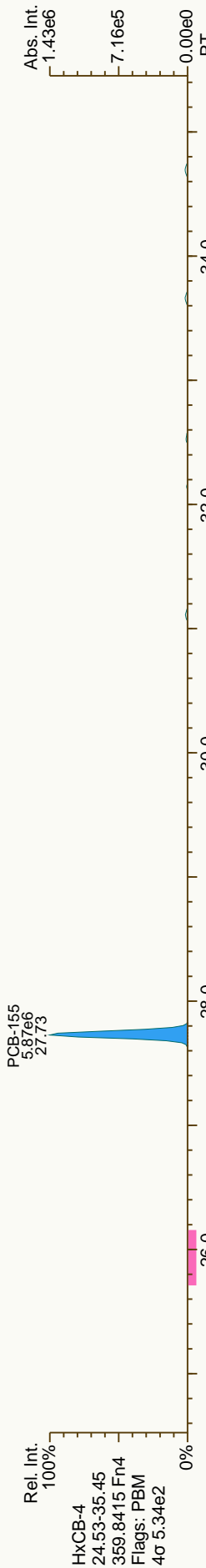


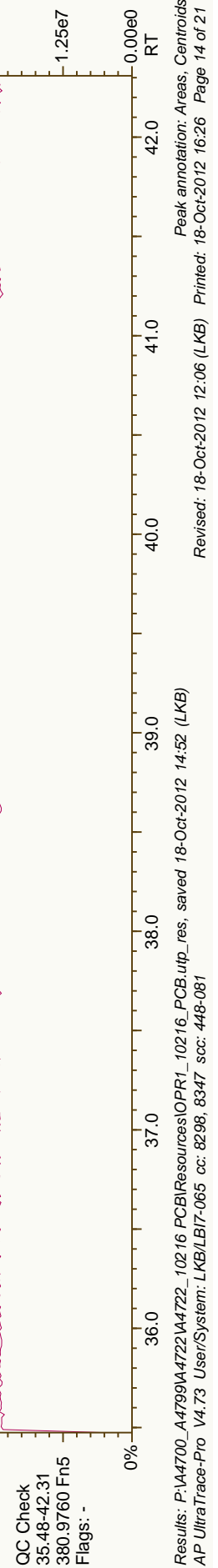
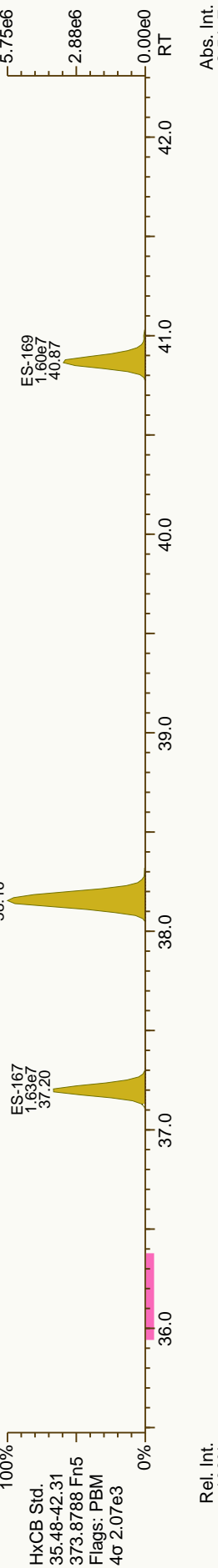
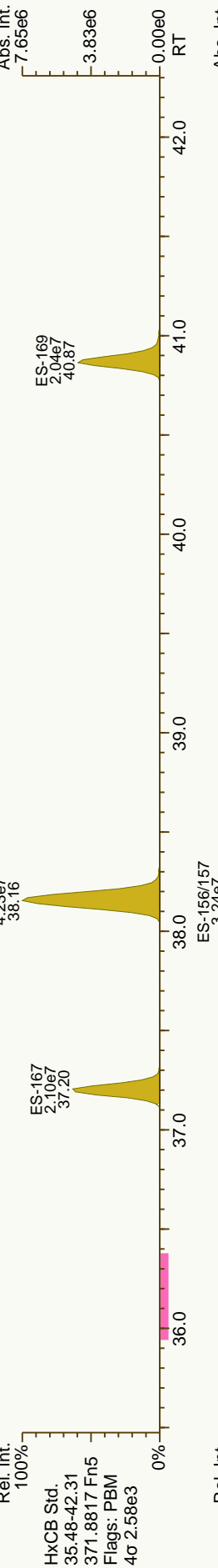
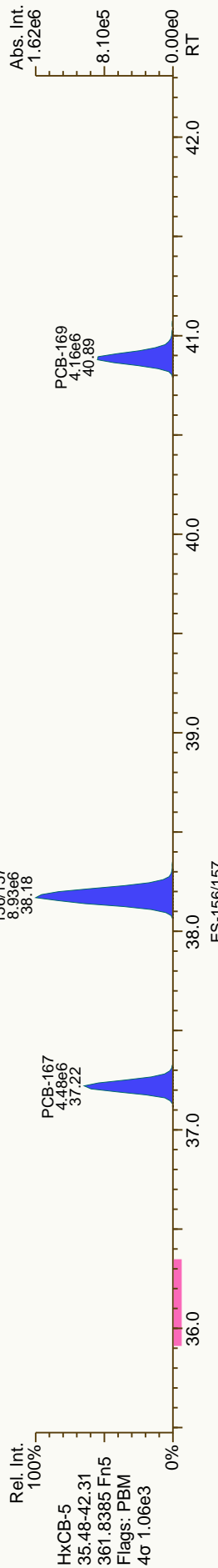
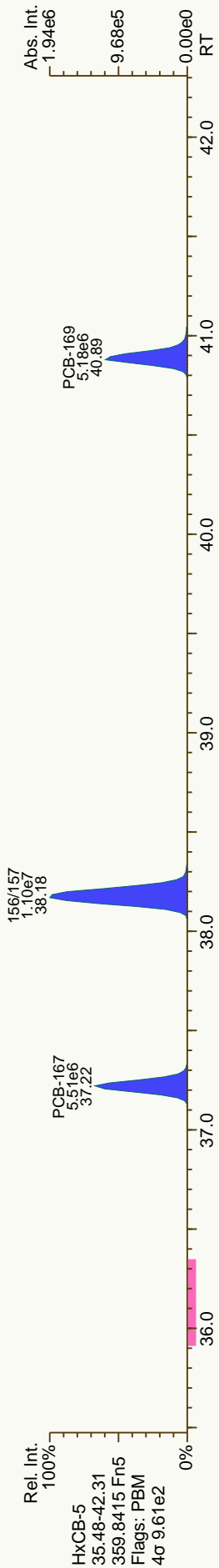


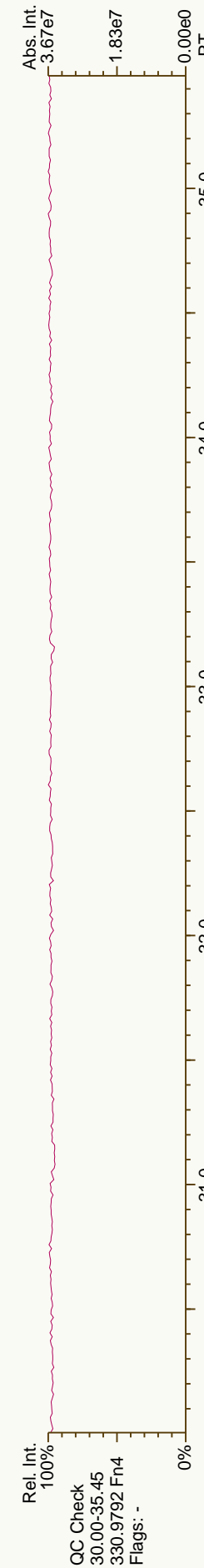
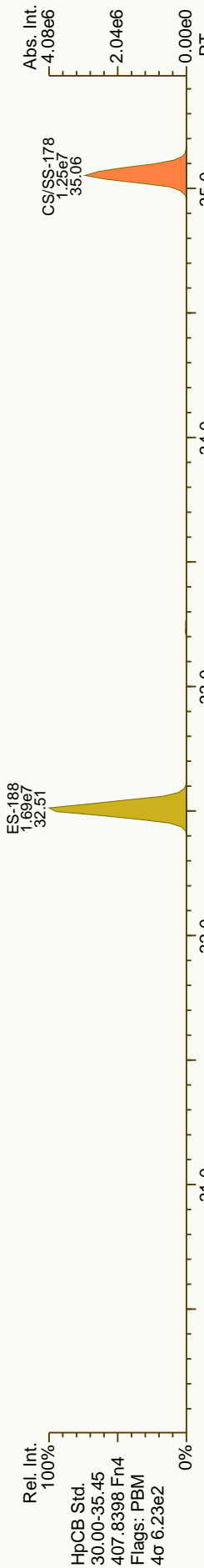
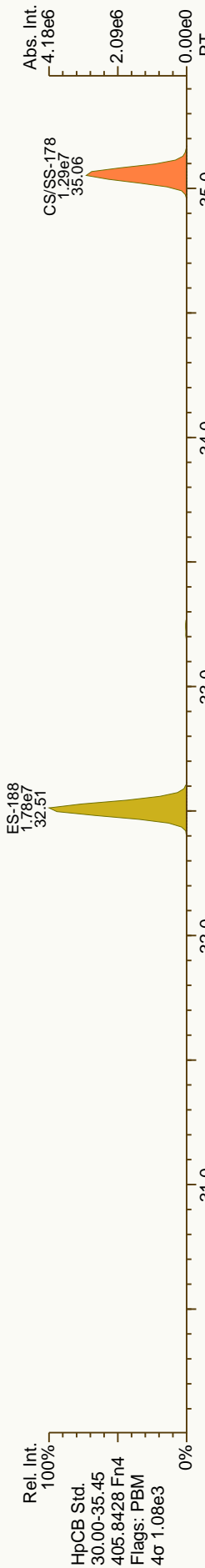
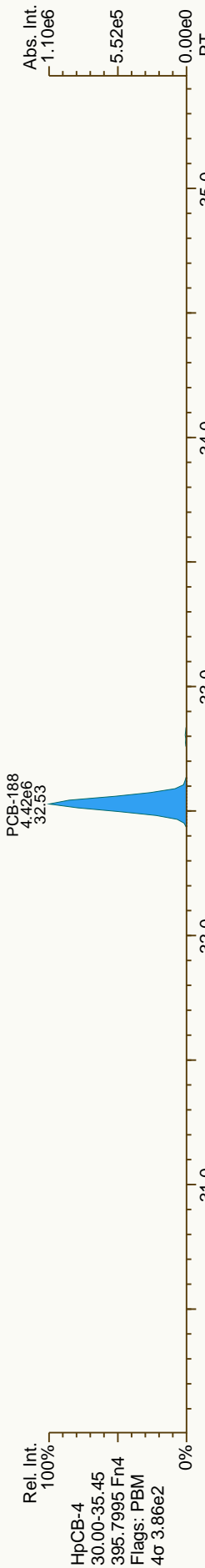
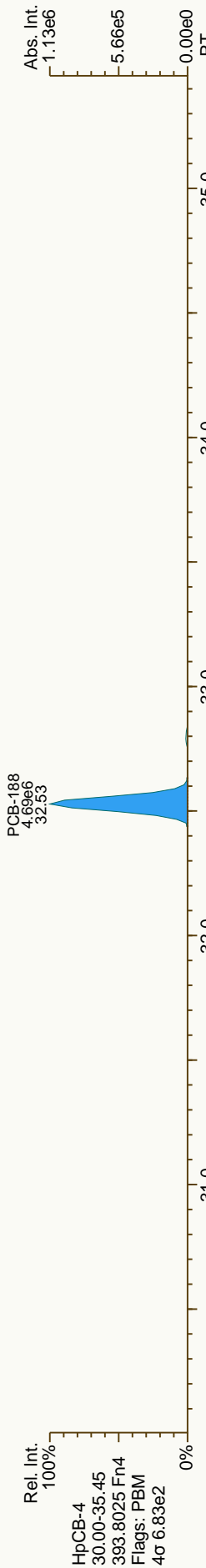


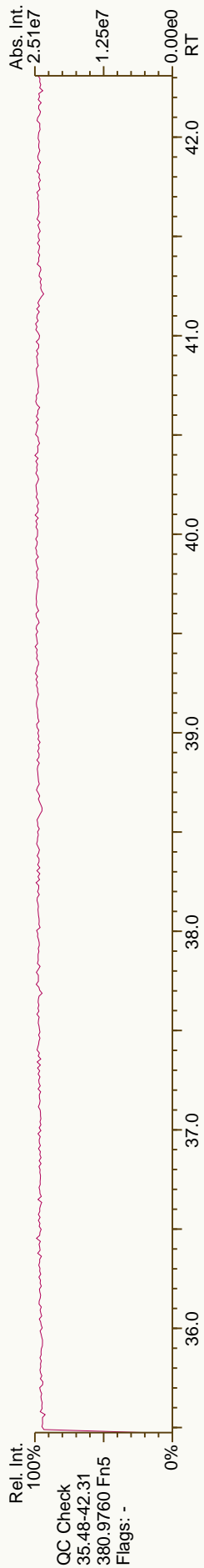
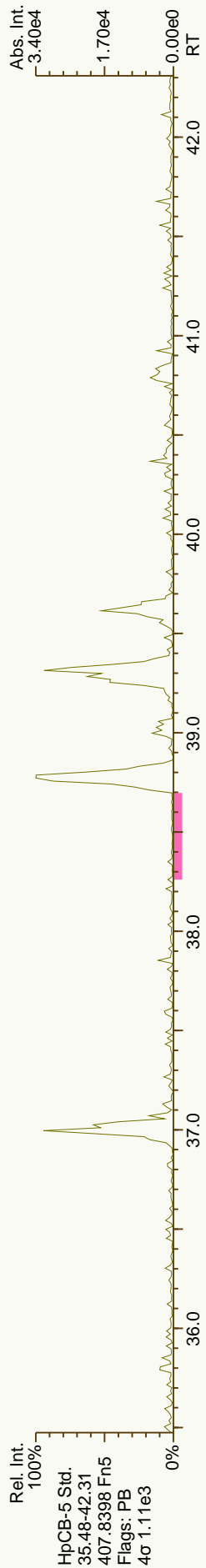
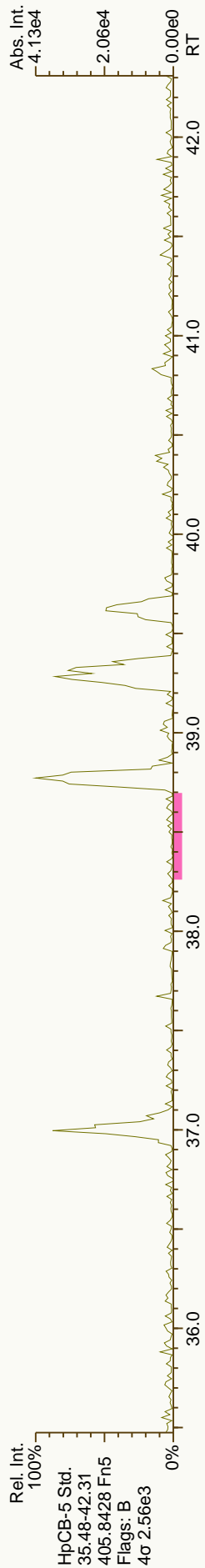
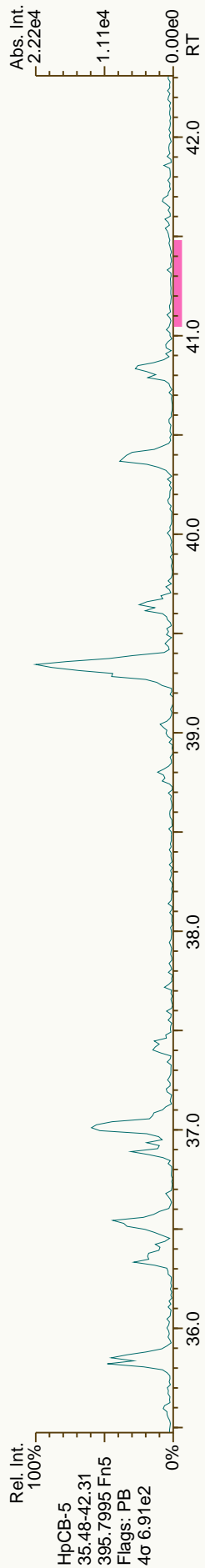
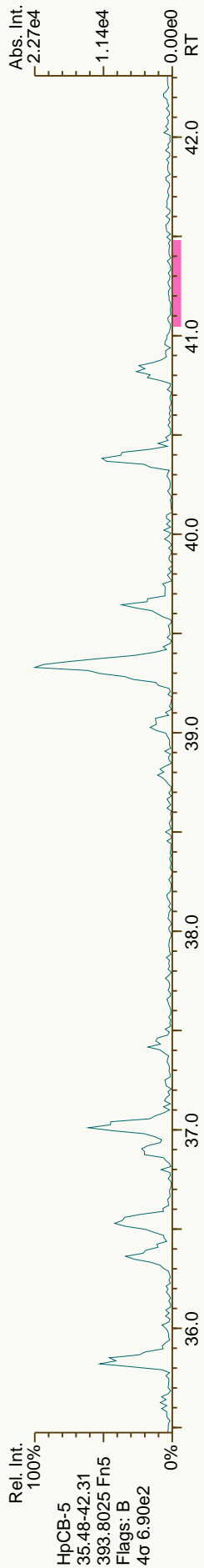


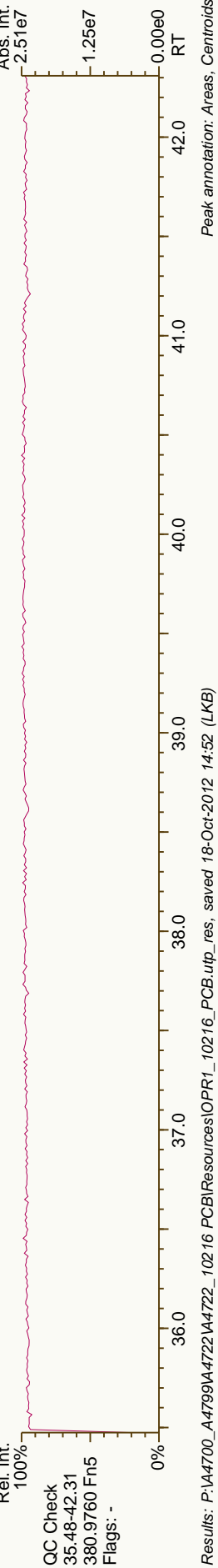
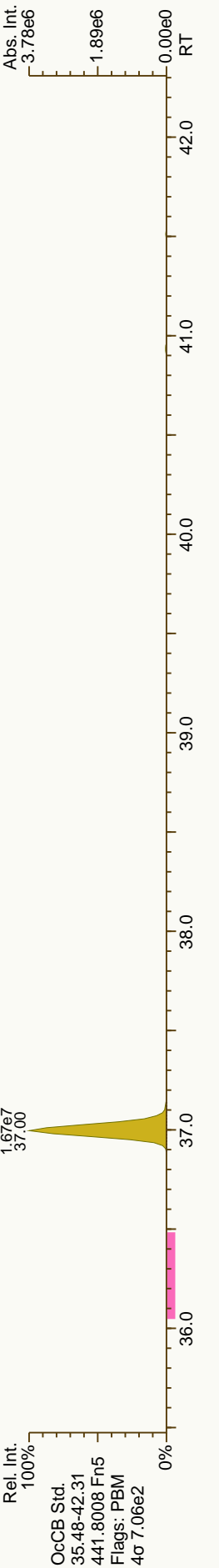
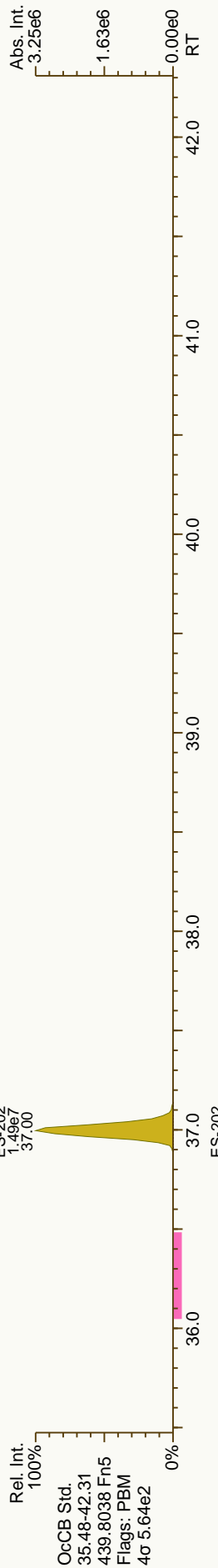
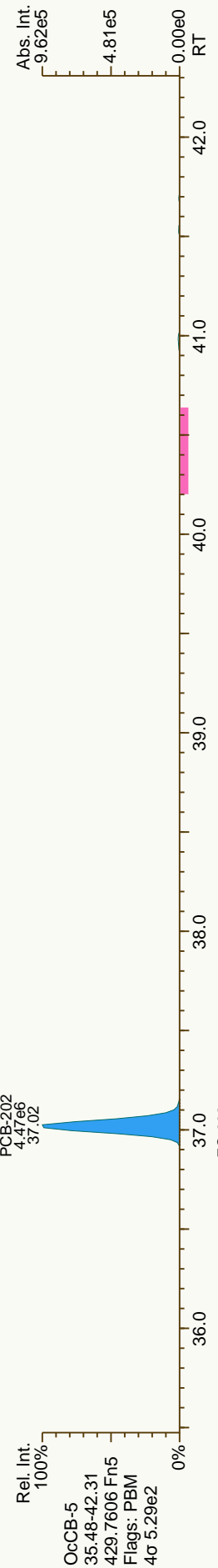
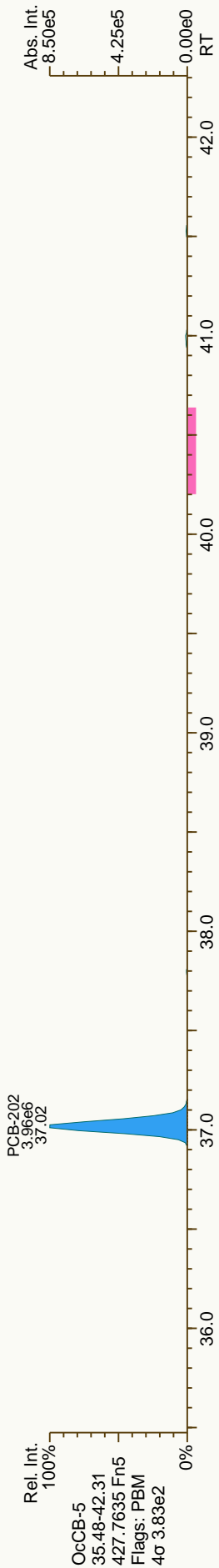


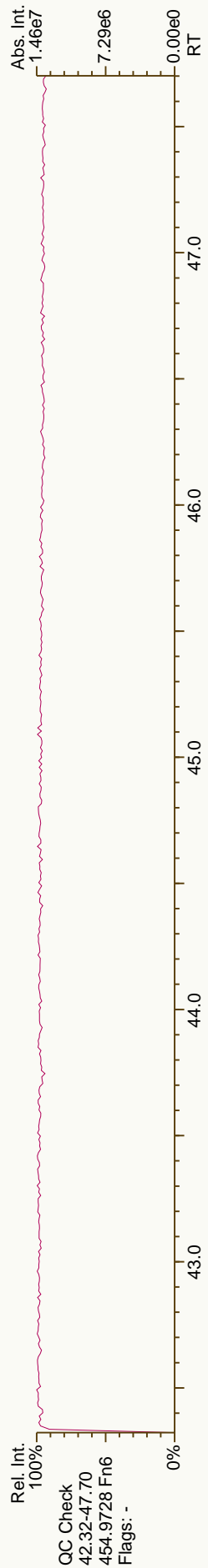
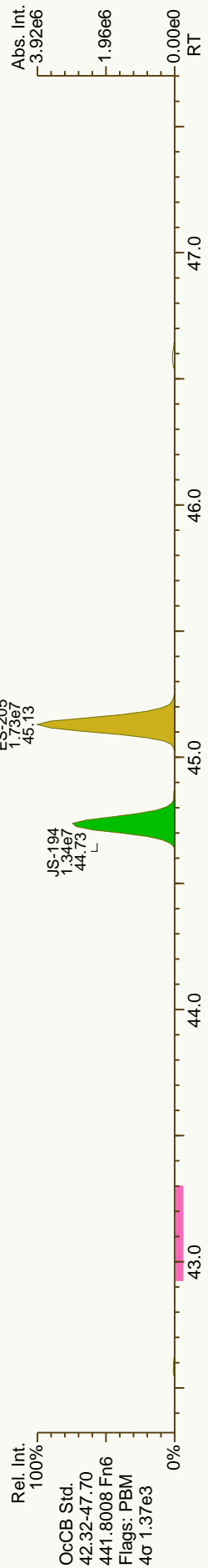
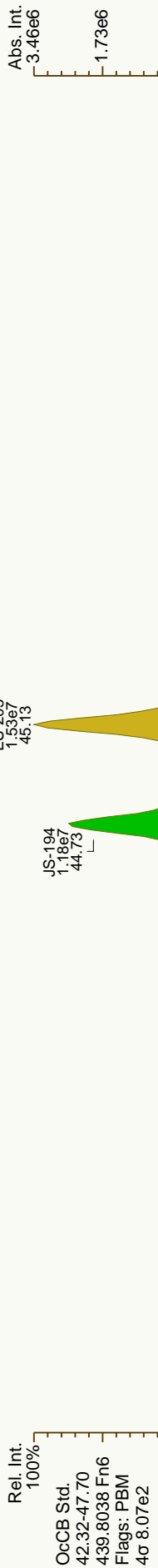
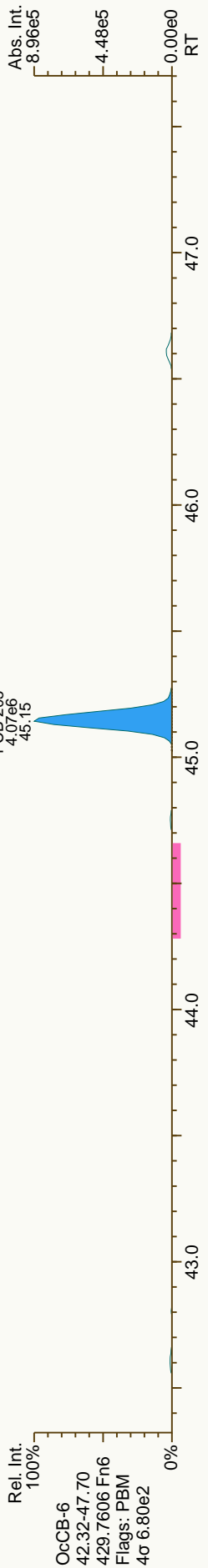
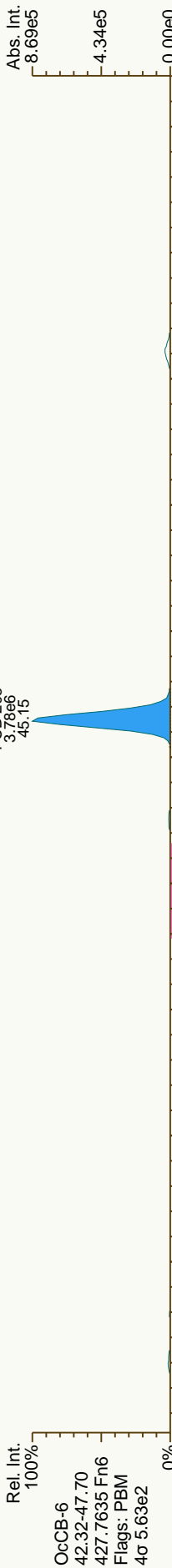


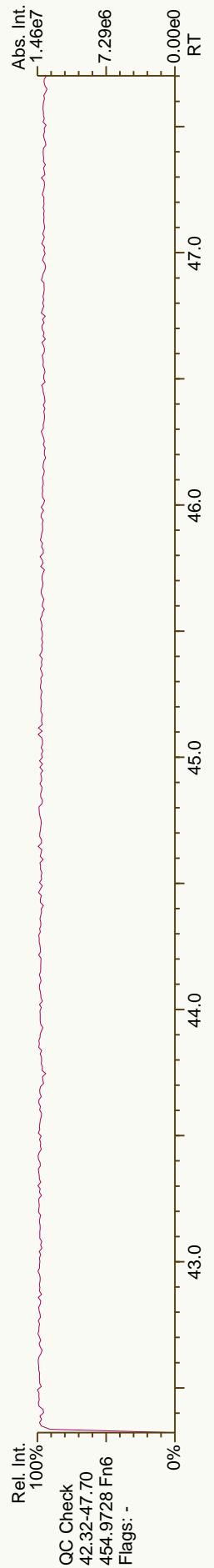
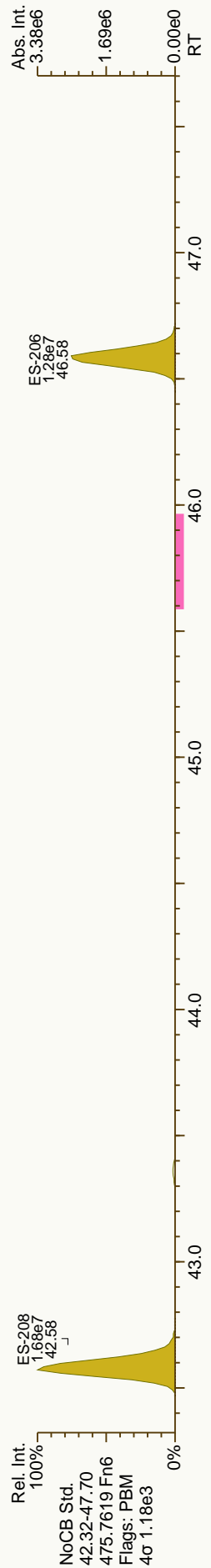
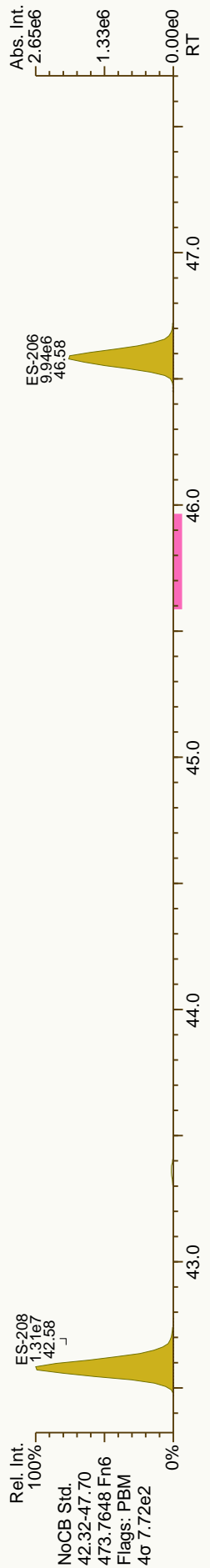
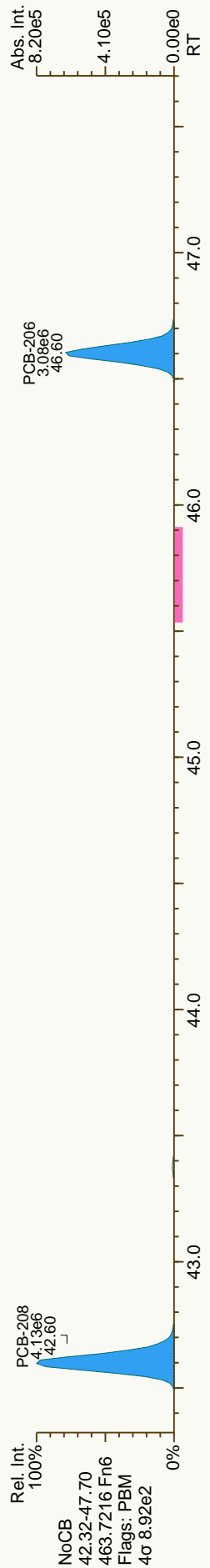
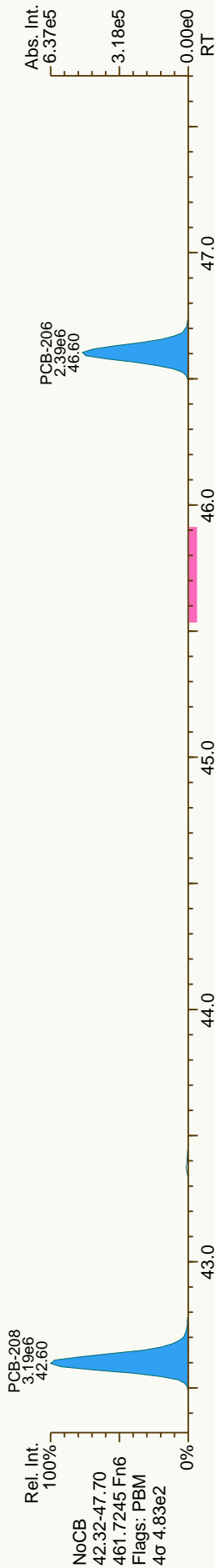


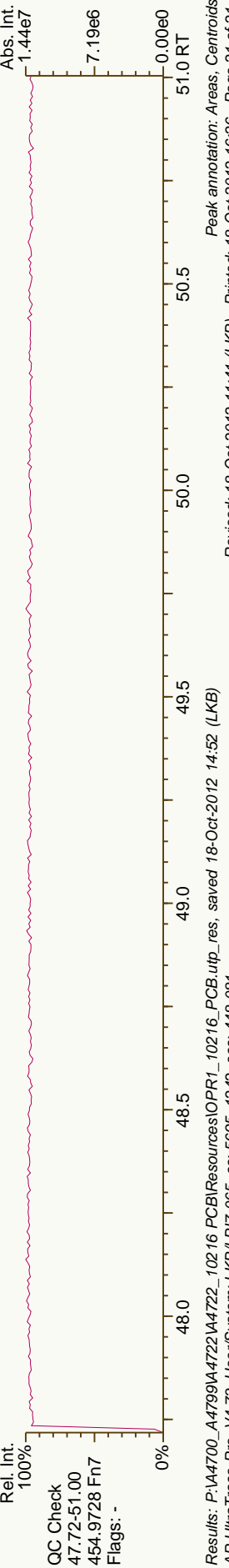
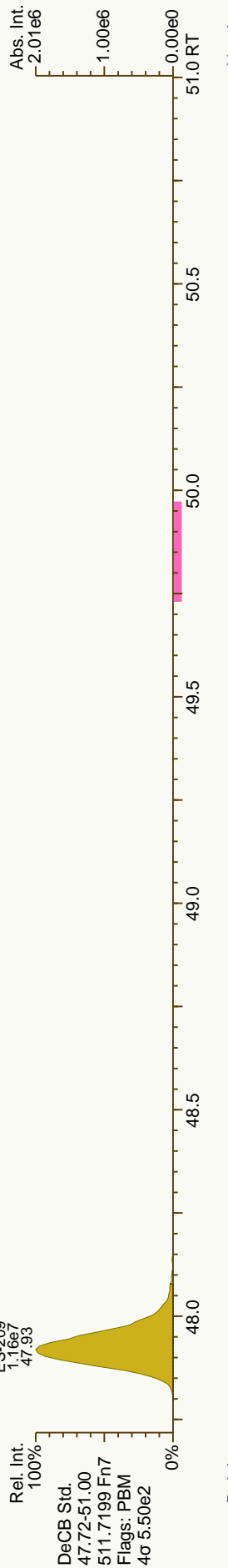
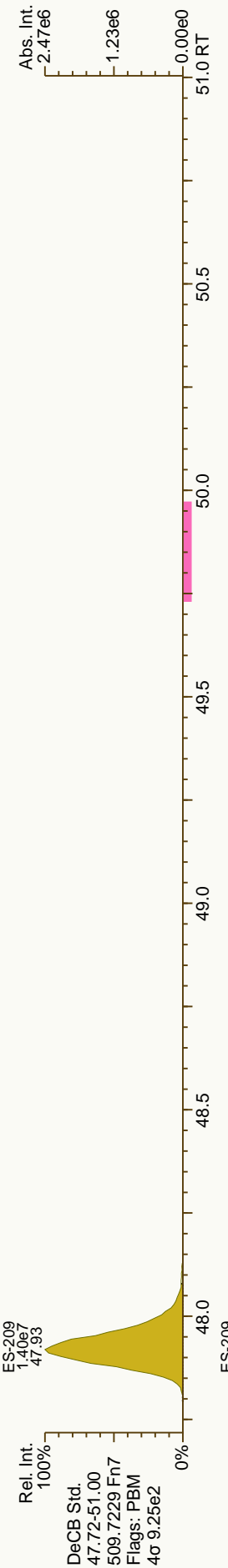
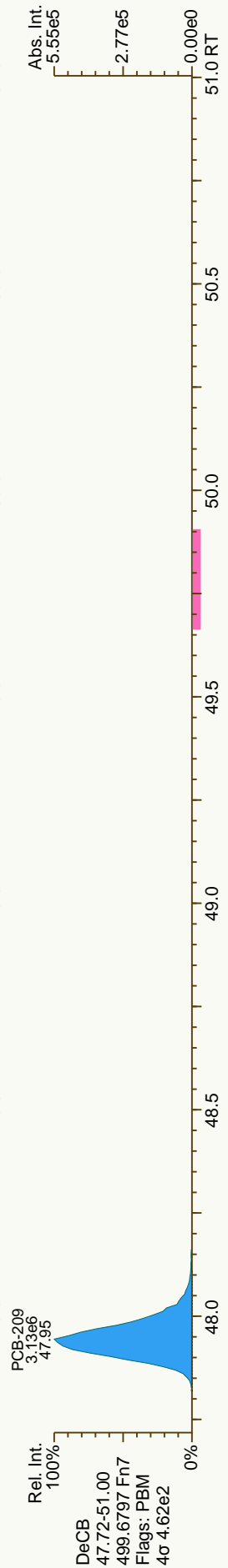
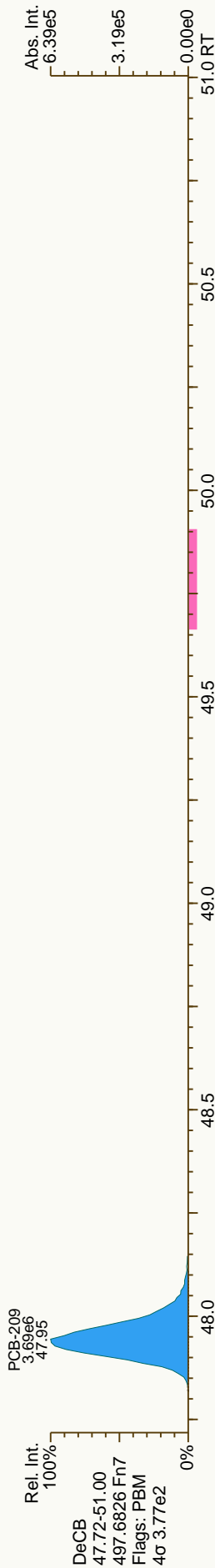














Project Initiation Form

Project Number: A4722

Initiation Date: 09-Oct-12

Client Name: JELDWENOR

Sample Matrix: Soil

Analysis Method: 1668 PCB 7/6/13

TAT: 15 days

Project Manager: Amy

Special Instructions

11 samples M1613, 4 samples for 1668A

1, 2, 4, 8 PF/PCB

5500 spikes, OPR

%solids, report on dry-weight basis

12 is 50-p

report, INV via Horizon

Reporting Instructions

11 samples M1613, 4 samples for 1668A

5500 spikes, OPR

%solids, report on dry-weight basis

report, INV via Horizon

PM Initials: aboehm

Date: 09-Oct-2012

TRANSFER: M 10/11/12
 RECEIVED: MS 10/11/12

HRD 1902

WO# 3120249



1613 PCDD/F

Solids

Project #	Batch #	Extract Init/Date	ASECS Init/Date	Transfer Init/Date			
A4722	10216	M 10/10/12	M 10/15/12	M 10/16/12			
AP Sample ID	Client Sample ID	Extract WT (g)	SDS #	RV	(Td)	ASECS #	Observations
A4722_10216_001	JW-EA09-SS35-120507 (10)	20.48	10	1	VS	4	Moist brown RL
A4722_10216_002	JW-EA09-SS34-120507 (9)	17.15	11	1	VS	5	See 001
A4722_10216_003	JW-EA08-SS32-120507 (7)	19.88	12	2	VS	10	See 001
A4722_10216_004	JW-EA09-SS36-120507 (11)	16.40	13	1	VS	6	See 001
A4722_10216_005	JW-EA08-SS31-120507 (6)	16.76	15	1	VS	9	See 001
A4722_10216_006	JW-EA08-SS29-120507 (4)	20.80	16	1	VS	8	See 001
A4722_10216_007	JW-EA07-SS27-120507 (2)	19.40	17	2	VS	16	See 001
A4722_10216_008	JW-EA09-SS33-120507 (8)	19.32	13	1	VS	7	See 001
A4722_10216_009	JW-EA08-SS30-120507 (5)	20.22	18	1	VS	15	See 001
A4722_10216_010	JW-EA07-SS28-120507 (3)	17.04	19	4	VS	14	See 001
A4722_10216_011	JW-EA07-SS26-120507 (1)	16.99	20	3	VS	13	See 001
A4722_10216_012	JW-EA08-SS131-120507 (12)	16.67	21	4	VS	12	See 001
Special Instructions							
11 samples M1613, 4 samples for 1668A							
5500 spikes, OPR							
%solids, report on dry-weight basis							
report, INV via Horizon							
				Supply IDs			
		Toluene	DH016	Acid Silica	10/11/2012		
		CH ₂ Cl ₂	DH320	Base Silica	10082012		
		Sand	-	HydroMatrix	10/11/2012		
		Florisil	10102012	Tetradecane	10252011		
		Hexane	DG914	U.S.O.	10152012		
		Silica	09282012	NH ₂ SiK Silicate	08202012		
		Cycle Time					
Start		5:30 am					
Stop		10:00 am					
Start		4:45 pm					
Stop		11:00 am					



1613 PCDD/F

Solids

Project #		Batch #		10216		SPIKE PROFILE PCDD/Fs		
Analyte	Spike Compounds	Spike Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent	
PCDD/F	ES	2 ng	200 uL	10 pg/uL	1	20 uL	Td	
	AS/CS	2 ng	200 uL	10 pg/uL	1	20 uL	Td	
	Ax BCS3	0.2 ng	200 uL	1 pg/uL	1	20 uL	Td	
	JS	2 ng	200 uL	10 pg/uL	1	20 uL	Td	
	Td Batch CS3		20 uL			20 uL	Td	
	Spiker Initials/Date: <i>NA 10/10/12</i> <i>NA 10/16/12</i>							
	AP Sample ID	Client Sample ID	PCDD/F ES Amount: <i>40 uL</i> Observer Initials	PCDD/F MX Amount: <i>40 uL</i> Observer Initials	PCDD/F CS Amount: <i>40 uL</i> Observer Initials	PCDD/F JS Amount: <i>20 uL</i> Observer Initials	Amount:	Observer Initials
	A4722_10216_001	JW-EA09-SS35-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>		
	A4722_10216_002	JW-EA09-SS34-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>		
	A4722_10216_003	JW-EA08-SS32-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>		
	A4722_10216_004	JW-EA09-SS36-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>		
	A4722_10216_005	JW-EA08-SS31-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>		
A4722_10216_006	JW-EA08-SS29-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>			
A4722_10216_007	JW-EA07-SS27-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>			
A4722_10216_008	JW-EA09-SS33-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>			
A4722_10216_009	JW-EA08-SS30-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>			
A4722_10216_010	JW-EA07-SS28-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>			
A4722_10216_011	JW-EA07-SS26-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>			
A4722_10216_012	JW-EA08-SS131-120507	<i>VS</i>	-	<i>VS</i>	<i>mn1</i>			
Standard Information <i>10-10-12</i> <i>10-12-12</i> <i>10-16-12</i>								
Std. Type	MIX	ES		CS		CS	JS	
Spike ID	<i>540.86</i>	<i>540.70</i>		<i>540.67</i>			<i>540.69</i>	
SIL #								
Concentration	<i>0.005</i>			<i>0.01</i>			<i>0.10</i>	
Units	<i>ng/uL</i>	<i>ng/uL</i>		<i>ng/uL</i>			<i>ng/uL</i>	
Exp. Date	<i>10-2-13</i>	<i>8-9-13</i>		<i>10/2/13</i>			<i>8/9/13</i>	
Spike amount (uL)	40	40		40		40	20	

NA 10/16/12

EE M

1668A



1668 PCB

Solids

Project # A4722 Batch # 10216

SPIKE PROFILE PCBs

Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
PCB	ES	2 ng	20 uL	100 pg/uL	1	20 uL	Nonane
	CS	2 ng	20 uL	100 pg/uL	1	20 uL	Nonane
	JS	2 ng	10 uL	200 pg/uL	1	20 uL	Nonane
	AAP68A Batch CS3 AAP68A	1 ng 1 ng	20 uL 20 uL	50 pg/uL 50 pg/uL	1 1	20 uL 20 uL	Nonane Nonane
Spiker Initials/Date: <u>MA 10/10/12</u> <u>MA 10/11/12</u> <u>MA 10/16/12</u>							
AP Sample ID	Client Sample ID	PCB ES Amount: <u>40 uL</u> Observer Initials	PCB MX Amount: <u>50 uL</u> Observer Initials	PCB CS Amount: <u>40 uL</u> Observer Initials	PCB JS Amount: <u>20 uL</u> Observer Initials	Amount:	Observer Initials
A4722_10216_001	JW-EA09-SS35-120507	VS	-	VS	mn1		
A4722_10216_002	JW-EA09-SS34-120507	VS	-	VS	mn1		
A4722_10216_004	JW-EA09-SS36-120507	VS	-	VS	mn1		
A4722_10216_008	JW-EA09-SS33-120507	VS	-	VS	mn1		
MB1_10216	Method Blank	VS	-	VS	mn1		
OPR1_10216	0_10216_OPR001	VS	VS	VS	mn1		
		10-10-12	10-10-12	10-12-12	10-16-12		

Standard Information

Std. Type	PCB ES	MX	CS	PCB JS
Spike ID	<u>540-89</u>	<u>540-52B</u>	<u>540-72</u>	<u>540-90</u>
SIL #	-	-	-	-
Concentration	<u>0.05</u>	<u>0.01</u>	<u>0.05</u>	<u>0.1</u>
Units	<u>ng/uL</u>	<u>ng/uL</u>	<u>ng/uL</u>	<u>ng/uL</u>
Exp. Date	<u>10-2-13</u>	<u>8-28-13</u>	<u>8-10-13</u>	<u>10-13-13</u>
Spike amount (uL)	40	50	40	20

FWT 5018
10.02 48.922
10.01 58.35
10.05 61.26
10.07 52.289
10.10 2.18
10-05-12

% Solids

Project: 4722

Chemist: WSS

Batch #: 10216

Date: 10/9/12

Procedure:

Tare Balance.

Add boat and weigh. Record "Boat Wt."

Add the sample (2-10 g) to the boat and record "Wet Wt. + Boat Wt." (total).

Dry in oven overnight @ 107° C.

Tare Balance

Return dish to toploader and record "Residue + Boat Wt."

AP Sample ID	Boat Wt. (g)	Wet Wt. + Boat Wt.	Chem/Date	Residue + Boat Wt. (g)	Chem/Date	Comments
001 A	1.34	4.90	WSS	3.12	VS	} 20.44
B	1.34	6.23	WSS	3.70	VS	
C	1.35	3.70	WSS	2.49	VS	
002 A	1.33	4.40	WSS	3.10	VS	} 17.14
B	1.35	5.66	WSS	3.87	VS	
C	1.35	5.05	WSS	3.53	VS	
003 A	1.34	4.13	WSS	2.75	VS	} 19.73
B	1.34	5.98	WSS	3.69	VS	
C	1.32	3.74	WSS	2.55	VS	
004 A	1.34	5.57	WSS	3.92	VS	} 16.32
B	1.36	4.81	WSS	3.48	VS	
C	1.35	4.97	WSS	3.57	VS	
005 A	1.32	3.91	WSS	2.86	VS	} 16.63
B	1.34	4.34	WSS	3.18	VS	
C	1.34	4.63	WSS	3.30	VS	
006 A	1.33	4.89	WSS	3.01	VS	} 20.79
B	1.34	4.64	WSS	2.94	VS	
C	1.35	4.93	WSS	3.09	VS	

10-10-12

10/9/12

% Solids

Project: 4722
 Chemist: WSS
 Batch #: 10216
 Date: 10/9/12

Procedure:
 Tare Balance.
 Add boat and weigh. Record "Boat Wt."
 Add the sample (2-10 g) to the boat and record "Wet Wt. + Boat Wt." (total).
 Dry in oven overnight @ 107° C.
 Tare Balance
 Return dish to toploader and record "Residue + Boat Wt."

AP Sample ID	Boat Wt. (g)	Wet Wt. + Boat Wt.	Chem/Date	Residue + Boat Wt. (g)	Chem/Date	Comments
007 A	1.35	5.09	WSS	3.28	VS	} TE VS 10-10-12
B	1.35	4.31	WSS	2.87	VS	} 19.24 19.39
C	1.33	5.08	WSS	3.27	VS	
008 A	1.35	5.20	WSS	3.31	VS	} TE VS 10-10-12 19.24
B	1.35	4.39	WSS	2.93	VS	} 20.20
C	1.34	5.32	WSS	3.45	VS	
009 A	1.33	4.24	WSS	2.77	VS	} 20.20
B	1.34	4.80	WSS	3.05	VS	
C	1.35	3.95	WSS	2.64	VS	
010 A	1.34	5.10	WSS	3.55	VS	} TE VS 10-10-12
B	1.35	5.56	WSS	3.87	VS	} 16.97 16.7
C	1.33	4.77	WSS	3.33	VS	
011 A	1.32	5.81	WSS	3.94	VS	} TE VS 10-10-12
B	1.36	5.83	WSS	4.01	VS	} 17.67 16.63
C	1.33	6.41	WSS	4.34	VS	} 16.96
			10/11/12		10-10-12	



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s: _____ A4722 _____

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_001	1.34	4.9	3.12	50.00%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	6.23	3.7	48.26%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.35	3.7	2.49	48.51%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	4.9	3.12	50.00%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	6.23	3.7	48.26%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.35	3.7	2.49	48.51%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	4.9	3.12	50.00%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	6.23	3.7	48.26%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	4.9	3.12	50.00%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.35	3.7	2.49	48.51%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	6.23	3.7	48.26%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	4.9	3.12	50.00%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	6.23	3.7	48.26%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	4.9	3.12	50.00%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	6.23	3.7	48.26%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	4.9	3.12	50.00%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	6.23	3.7	48.26%	48.92%	1.92%		20.44	20.48	10.02
A4722_001	1.34	4.9	3.12	50.00%	48.92%	1.92%		20.44	20.48	10.02



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_002	1.33	4.4	3.1	57.65%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.35	5.66	3.87	58.47%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.35	5.05	3.53	58.92%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.33	4.4	3.1	57.65%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.35	5.66	3.87	58.47%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.35	5.05	3.53	58.92%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.33	4.4	3.1	57.65%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.35	5.66	3.87	58.47%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.35	5.05	3.53	58.92%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.33	4.4	3.1	57.65%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.35	5.66	3.87	58.47%	58.35%	1.10%		17.14	17.15	10.01
A4722_002	1.35	5.05	3.53	58.92%	58.35%	1.10%		17.14	17.15	10.01



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_003	1.34	4.13	2.75	50.54%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.34	5.98	3.69	50.65%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.34	4.13	2.75	50.54%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.34	5.98	3.69	50.65%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.32	3.74	2.55	50.83%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.32	3.74	2.55	50.83%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.34	4.13	2.75	50.54%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.34	5.98	3.69	50.65%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.32	3.74	2.55	50.83%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.34	4.13	2.75	50.54%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.34	5.98	3.69	50.65%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.32	3.74	2.55	50.83%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.34	4.13	2.75	50.54%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.34	5.98	3.69	50.65%	50.67%	0.29%		19.73	19.88	10.07
A4722_003	1.32	3.74	2.55	50.83%	50.67%	0.29%		19.73	19.88	10.07



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s: _____

Comments: _____

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_004	1.34	5.57	3.92	60.99%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.36	4.81	3.48	61.45%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.35	4.97	3.57	61.33%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.34	5.57	3.92	60.99%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.36	4.81	3.48	61.45%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.35	4.97	3.57	61.33%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.34	5.57	3.92	60.99%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.36	4.81	3.48	61.45%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.35	4.97	3.57	61.33%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.34	5.57	3.92	60.99%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.36	4.81	3.48	61.45%	61.26%	0.39%		16.32	16.4	10.05
A4722_004	1.35	4.97	3.57	61.33%	61.26%	0.39%		16.32	16.4	10.05



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_005	1.32	3.91	2.86	59.46%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.34	4.34	3.18	61.33%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.34	4.63	3.3	59.57%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.32	3.91	2.86	59.46%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.34	4.34	3.18	61.33%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.34	4.63	3.3	59.57%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.32	3.91	2.86	59.46%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.34	4.34	3.18	61.33%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.34	4.63	3.3	59.57%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.32	3.91	2.86	59.46%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.34	4.34	3.18	61.33%	60.12%	1.75%		16.63	16.76	10.08
A4722_005	1.34	4.63	3.3	59.57%	60.12%	1.75%		16.63	16.76	10.08



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_006	1.33	4.89	3.01	47.19%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.34	4.64	2.94	48.48%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.35	4.93	3.09	48.60%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.33	4.89	3.01	47.19%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.34	4.64	2.94	48.48%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.35	4.93	3.09	48.60%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.33	4.89	3.01	47.19%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.34	4.64	2.94	48.48%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.35	4.93	3.09	48.60%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.34	4.64	2.94	48.48%	48.09%	1.63%		20.79	20.8	10
A4722_006	1.35	4.93	3.09	48.60%	48.09%	1.63%		20.79	20.8	10

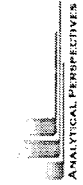


Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_007	1.35	5.09	3.28	51.60%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.35	4.31	2.87	51.35%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.33	5.08	3.27	51.73%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.35	5.09	3.28	51.60%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.35	4.31	2.87	51.35%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.33	5.08	3.27	51.73%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.35	5.09	3.28	51.60%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.35	4.31	2.87	51.35%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.33	5.08	3.27	51.73%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.35	5.09	3.28	51.60%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.35	4.31	2.87	51.35%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.33	5.08	3.27	51.73%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.35	5.09	3.28	51.60%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.35	4.31	2.87	51.35%	51.56%	0.37%		19.39	19.4	10
A4722_007	1.33	5.08	3.27	51.73%	51.56%	0.37%		19.39	19.4	10



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_008	1.35	5.2	3.31	50.91%	52.28%	32.22%	0.54	19.27	19.32	10.1
A4722_008	1.35	4.39	3.45	69.08%	52.28%	32.22%	0.54	19.27	19.32	10.1
A4722_008	1.34	5.32	2.76	35.68%	52.28%	32.22%	0.54	19.27	19.32	10.1
A4722_008	1.35	5.2	3.31	50.91%	52.28%	27.60%	0.62	18.76	19.32	10.1
A4722_008	1.35	4.39	3.45	69.08%	52.28%	27.60%	0.62	18.76	19.32	10.1
A4722_008	1.34	5.32	2.93	39.95%	52.28%	27.60%	0.62	18.76	19.32	10.1
A4722_008	1.35	5.2	3.31	50.91%	52.28%	2.03%		19.24	19.32	10.1
A4722_008	1.35	4.39	2.93	51.97%	52.28%	2.03%		19.24	19.32	10.1
A4722_008	1.34	5.32	3.45	53.02%	52.28%	2.03%		19.24	19.32	10.1
A4722_008	1.35	5.2	3.31	50.91%	52.28%	2.03%		19.24	19.32	10.1
A4722_008	1.35	4.39	2.93	51.97%	52.28%	2.03%		19.24	19.32	10.1
A4722_008	1.34	5.32	3.45	53.02%	52.28%	2.03%		19.24	19.32	10.1



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residuc+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_009	1.33	4.24	2.77	49.48%	51.45%	0.21%		20.2	20.22	10.4
A4722_009	1.34	4.8	3.05	49.42%	51.45%	0.21%		20.2	20.22	10.4
A4722_009	1.35	3.95	2.64	49.62%	51.45%	0.21%		20.2	20.22	10.4
A4722_009	1.33	4.24	3.45	72.85%	51.45%	23.51%	0.99	17.45	20.22	10.4
A4722_009	1.34	4.8	3.05	49.42%	51.45%	23.51%	0.99	17.45	20.22	10.4
A4722_009	1.35	3.95	2.64	49.62%	51.45%	23.51%	0.99	17.45	20.22	10.4
A4722_009	1.33	4.24	2.77	49.48%	51.45%	0.21%		20.2	20.22	10.4
A4722_009	1.34	4.8	3.05	49.42%	51.45%	0.21%		20.2	20.22	10.4
A4722_009	1.35	3.95	2.64	49.62%	51.45%	0.21%		20.2	20.22	10.4
A4722_009	1.33	4.24	2.77	49.48%	51.45%	0.21%		20.2	20.22	10.4
A4722_009	1.34	4.8	3.05	49.42%	51.45%	0.21%		20.2	20.22	10.4
A4722_009	1.35	3.95	2.64	49.62%	51.45%	0.21%		20.2	20.22	10.4



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qrest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_010	1.34	5.1	3.55	58.78%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.35	5.56	3.87	59.86%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.33	4.77	3.33	58.14%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.34	5.1	3.55	58.78%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.35	5.56	3.87	59.86%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.33	4.77	3.33	58.14%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.34	5.1	3.55	58.78%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.35	5.56	3.87	59.86%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.33	4.77	3.33	58.14%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.34	5.1	3.55	58.78%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.35	5.56	3.87	59.86%	58.93%	1.48%		16.97	17.04	10.04
A4722_010	1.33	4.77	3.33	58.14%	58.93%	1.48%		16.97	17.04	10.04



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_011	1.32	5.81	3.94	58.35%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.36	5.83	4.01	59.28%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.33	6.41	4.34	59.25%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.32	5.81	3.94	58.35%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.36	5.83	4.01	59.28%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.33	6.41	4.34	59.25%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.32	5.81	3.94	58.35%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.36	5.83	4.01	59.28%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.33	6.41	4.34	59.25%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.32	5.81	3.94	58.35%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.36	5.83	4.01	59.28%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.33	6.41	4.34	59.25%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.32	5.81	3.94	58.35%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.36	5.83	4.01	59.28%	58.96%	0.90%		16.96	16.99	10.02
A4722_011	1.33	6.41	4.34	59.25%	58.96%	0.90%		16.96	16.99	10.02



Wt. Volume Results for Extraction Batch 10216

Batch Project #'s:

Comments:

*Duplicate of 005
18-OCT-12 ARB*

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A4722_012	1.32	3.91	2.86	59.46%	57.49%	1.75%		16.63	16.67	9.58
A4722_012	1.34	4.34	3.18	61.33%	57.49%	1.75%		16.63	16.67	9.58
A4722_012	1.34	4.63	3.3	59.57%	57.49%	1.75%		16.63	16.67	9.58
A4722_012	1.32	3.91	2.86	59.46%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.34	4.64	3.18	55.76%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.34	4.93	3.3	54.60%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.32	3.91	2.86	59.46%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.34	4.64	3.18	55.76%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.34	4.93	3.3	54.60%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.32	3.91	2.86	59.46%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.34	4.64	3.18	55.76%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.34	4.93	3.3	54.60%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.32	3.91	2.86	59.46%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.34	4.64	3.18	55.76%	57.49%	4.48%		17.67	16.67	9.58
A4722_012	1.34	4.93	3.3	54.60%	57.49%	4.48%		17.67	16.67	9.58

Project # A4722 Batch # 10216

Inter-Department Communication Sheet

* MB was taken low on 16000, ^{per forms.} MA 10/16/12

* NO, OPA, OOL + OOB per portion sulfur treated, MA 10/16/12

18-OCT-12 Per instructions; Sample 012 is dup of 005
90 solid sheets created by LIMS have incorrect/duplicate
entries. Corrected manually by JSS

Sample 003 needs to be re-extracted. due to low ES recoveries in the
D/E extract NO 22oct 12

Special Instructions

11 samples M1613, 4 samples for 1668A

5500 spikes, OPR

%solids, report on dry-weight basis

Analytical Perspectives - Injection Log

Run file: 121019P1
MS Method: DF_CL4-8B
GC Column: DB5
GC Method: DB5MS_60M

Data file	S#	Vial#	Lab ID	Sample ID (Chrom. Text)	Analyst	Acq date	Acq time
121019P1	1	8	CS3_121019_DF_PA	CS3_121019_DF_PA S40-67B 1	MDC		
121019P1	2	32	OPR1_10216_DF	OPR1_10216_DF	MDC		
121019P1	3	15	SBS_121019_DF_PA	SBS_121019_DF_PA solvent blank 1	MDC		
121019P1	4	31	MB1_10216_DF_SDS	MB1_10216_DF_SDS	MDC		
121019P1	5	33	A4722_10216_DF_001	A4722_10216_DF_001 JW-EA09-SS35-120507	MDC	10.02	
121019P1	6	34	A4722_10216_DF_002	A4722_10216_DF_002 JW-EA09-SS34-120507	MDC	10.01	
121019P1	7	35	A4722_10216_DF_003	A4722_10216_DF_003 JW-EA08-SS32-120507	MDC	10.07	
121019P1	8	36	A4722_10216_DF_004	A4722_10216_DF_004 JW-EA09-SS36-120507	MDC	10.05	
121019P1	9	37	A4722_10216_DF_005	A4722_10216_DF_005 JW-EA08-SS31-120507	MDC	10.08	
121019P1	10	38	A4722_10216_DF_006	A4722_10216_DF_006 JW-EA08-SS29-120507	MDC	10.00	
121019P1	11	15	SBS_121019_DF_PB	SBS_121019_DF_PB solvent blank 1	MDC		
121019P1	12	8	CS3_121019_DF_PB	CS3_121019_DF_PB S40-67B 1	MDC		

OK owl 22 Oct 12

Analytical Perspectives - Injection Log

Run file: 121019P2
 MS Method: DF_CL4-8B
 GC Column: DB5
 GC Method: DB5MS_60M

Data file S#	Vial#	Lab ID	Sample ID (Chrom. Text)	Analyst	Acq date	Acq time
121019P2	1	SBS_121019_DF_PC	SBS_121019_DF_PC solvent blank 1	MDC		
121019P2	2	A4722_10216_DF_007	A4722_10216_DF_007 JW-EA07-SS27-120507	MDC	10.00	
121019P2	3	A4722_10216_DF_008	A4722_10216_DF_008 JW-EA09-SS33-120507	MDC	10.04	
121019P2	4	A4722_10216_DF_009	A4722_10216_DF_009 JW-EA08-SS30-120507	MDC	10.01	
121019P2	5	A4722_10216_DF_010	A4722_10216_DF_010 JW-EA07-SS28-120507	MDC	10.04	
121019P2	6	A4722_10216_DF_011	A4722_10216_DF_011 JW-EA07-SS26-120507	MDC	10.02	
121019P2	7	A4722_10216_DF_012	A4722_10216_DF_012 JW-EA08-SS131-120507	MDC	10.02	
121019P2	8	SBS_121019_DF_PD	SBS_121019_DF_PD solvent blank 1	MDC		
121019P2	9	CS3_121019_DF_PC	CS3_121019_DF_PC S40-67B 1	MDC		

OK out 22 Oct 12

Sample List Report

MassLynx 4.1 SCN 881

Sample List: C:\MassLynx\Default.pro\Sampledb\mm7-12-10-17-pcb.SPL
 Last Modified: Wednesday, October 17, 2012 11:58:59 Eastern Daylight Time
 Printed: Wednesday, October 17, 2012 13:07:01 Eastern Daylight Time

File Name	Lab ID	Sample ID	MS File	Inlet File	Vial #	User	Task (=Expt.)	Conditions (=GC prog)	Inj. Vol.
1 121017X01	CS3_121017_PCB_XA	RETCON S40-92	pcb-2012-01	pcb90_a	Tray1:06	* LKB	pcb-2012-01	pcb90_a	1.000000
2 121017X02	OPR1_10216_PCB	0_10216_OPR001	pcb-2012-01	pcb90_a	Tray1:19	-LKB	pcb-2012-01	pcb90_a	1.000000
3 121017X03	SBS_121017_PCB_XA	SIL 9-41-1	pcb-2012-01	pcb90_a	Tray1:02	-LKB	pcb-2012-01	pcb90_a	1.000000
4 121017X04	MB1_10216_PCB_SDS	Method Blank	pcb-2012-01	pcb90_a	Tray1:20	LKB	pcb-2012-01	pcb90_a	1.000000
5 121017X05	A4722_10216_PCB_001	JW-EA09-SS35-120507	pcb-2012-01	pcb90_a	Tray1:21	LKB	pcb-2012-01	pcb90_a	1.000000
6 121017X06	A4722_10216_PCB_002	JW-EA09-SS34-120507	pcb-2012-01	pcb90_a	Tray1:22	LKB	pcb-2012-01	pcb90_a	1.000000
7 121017X07	A4722_10216_PCB_004	JW-EA09-SS36-120507	pcb-2012-01	pcb90_a	Tray1:23	LKB	pcb-2012-01	pcb90_a	1.000000
8 121017X08	A4722_10216_PCB_008	JW-EA09-SS33-120507	pcb-2012-01	pcb90_a	Tray1:24	LKB	pcb-2012-01	pcb90_a	1.000000
9 121017X09	SBS_121017_PCB_XB	SIL 9-41-1	pcb-2012-01	pcb90_a	Tray1:02	LKB	pcb-2012-01	pcb90_a	1.000000

Handwritten notes:
 JMW
 16 Oct 12
 17 Oct 12

Dioxin/Furan ICAL Summary

SGS Analytical Perspectives

Processed: 24 Oct 2012 09:54

ICAL: 1613 SGS

Data Acquired: 01-Aug-2012

REVIEWED
By Michael Fournoy at 2:51 pm, 11/2/12

WO# 31203240

Name	Mean	% RSD	120801P2-01		120801P2-02		120801P2-03		120801P2-04		120801P2-05		120801P2-06	
			0.25	0.5	2.0	10	40	200	CS0	CS1	CS2	CS3	CS4	CS5
2378-TCDD	1.08	3.9%	1.02	1.08	1.06	1.07	1.07	1.07	1.07	1.12	1.14	1.14	1.14	
12378-PeCDF	1.07	1.6%	1.08	1.05	1.07	1.07	1.07	1.07	1.09	1.09	1.09	1.09	1.09	
123478-HxCDD	1.05	2.0%	1.05	1.01	1.04	1.05	1.05	1.07	1.07	1.07	1.07	1.07	1.07	
123678-HxCDD	0.98	2.4%	1.01	0.96	0.96	0.97	0.97	0.99	0.99	0.99	0.99	1.01	1.01	
123789-HxCDD	1.01	1.7%	1.01	1.01	0.99	0.99	0.99	1.01	1.01	1.01	1.01	1.04	1.04	
1234678-HpCDD	1.09	2.8%	1.05	1.07	1.08	1.08	1.08	1.08	1.11	1.11	1.11	1.14	1.14	
OCDD	1.11	2.5%	1.08	1.10	1.12	1.08	1.08	1.08	1.13	1.13	1.13	1.14	1.14	
2378-TCDF	0.98	1.9%	0.96	0.99	0.95	1.00	1.00	1.00	0.97	0.97	0.97	0.98	0.98	
12378-PeCDF	0.99	2.1%	0.96	0.97	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.02	1.02	
23478-PeCDF	1.02	3.4%	0.96	1.01	1.01	1.03	1.03	1.03	1.03	1.03	1.03	1.06	1.06	
123478-HxCDF	1.19	1.9%	1.17	1.16	1.20	1.19	1.19	1.20	1.20	1.20	1.20	1.22	1.22	
123678-HxCDF	1.16	1.9%	1.14	1.13	1.16	1.14	1.14	1.16	1.17	1.17	1.17	1.19	1.19	
234678-HxCDF	1.18	3.3%	1.15	1.14	1.15	1.25	1.25	1.17	1.17	1.17	1.17	1.19	1.19	
123789-HxCDF	1.09	1.9%	1.08	1.06	1.09	1.08	1.08	1.09	1.09	1.09	1.09	1.12	1.12	
1234678-HpCDF	1.35	2.7%	1.30	1.30	1.36	1.37	1.37	1.37	1.38	1.38	1.38	1.39	1.39	
1234789-HpCDF	1.34	3.3%	1.30	1.28	1.33	1.34	1.34	1.34	1.39	1.39	1.39	1.38	1.38	
OCDF	1.40	6.9%	1.30	1.34	1.35	1.36	1.36	1.36	1.49	1.49	1.49	1.54	1.54	
ES 2378-TCDD	1.04	2.2%	1.03	1.03	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.09	1.09	
ES 12378-PeCDD	0.87	5.6%	0.83	0.85	0.86	0.82	0.82	0.82	0.89	0.89	0.89	0.95	0.95	
ES 123478-HxCDD	0.94	1.5%	0.93	0.93	0.93	0.95	0.95	0.95	0.95	0.95	0.95	0.96	0.96	
ES 123678-HxCDD	1.06	1.9%	1.06	1.06	1.05	1.10	1.10	1.10	1.07	1.07	1.07	1.04	1.04	
ES 1234678-HpCDD	0.80	2.7%	0.82	0.81	0.77	0.77	0.77	0.77	0.80	0.80	0.80	0.82	0.82	
ES OCDD	0.63	8.0%	0.61	0.62	0.57	0.61	0.61	0.61	0.65	0.65	0.65	0.72	0.72	
ES 2378-TCDF	1.74	2.8%	1.73	1.74	1.77	1.65	1.65	1.65	1.74	1.74	1.74	1.80	1.80	
ES 12378-PeCDF	1.49	4.8%	1.44	1.47	1.50	1.41	1.41	1.41	1.53	1.53	1.53	1.61	1.61	
ES 23478-PeCDF	1.48	4.8%	1.42	1.47	1.47	1.41	1.41	1.41	1.52	1.52	1.52	1.60	1.60	
ES 123478-HxCDF	1.27	2.1%	1.30	1.30	1.24	1.28	1.28	1.28	1.28	1.28	1.28	1.24	1.24	
ES 123678-HxCDF	1.41	3.0%	1.41	1.48	1.36	1.43	1.43	1.43	1.41	1.41	1.41	1.38	1.38	
ES 234678-HxCDF	1.34	2.7%	1.38	1.38	1.35	1.29	1.29	1.29	1.35	1.35	1.35	1.32	1.32	
ES 123789-HxCDF	1.20	1.9%	1.23	1.19	1.18	1.18	1.18	1.18	1.22	1.22	1.22	1.22	1.22	
ES 1234678-HpCDF	1.06	2.1%	1.06	1.07	1.03	1.04	1.04	1.04	1.06	1.06	1.06	1.10	1.10	
ES 1234789-HpCDF	0.82	3.9%	0.82	0.83	0.80	0.79	0.79	0.79	0.82	0.82	0.82	0.88	0.88	

Page 590 of 1185

APPROVED
By Bryan Vining at 10:24 am, Oct 24, 2012

ICAL: 1613_SGS

Data Acquired: 18-Jun-2009

	120801P2-01	120801P2-02	120801P2-03	120801P2-04	120801P2-05	120801P2-06
	0.25	0.5	2.0	10	40	200
	CS0	CS1	CS2	CS3	CS4	CS5
Name	% RSD	Mean				
CS 37Cl-2378-TCDD	4.8%	1.17	1.14	1.15	1.19	1.27

	1.11	1.17	1.14	1.15	1.19	1.27
--	------	------	------	------	------	------

SS 37Cl-2378-TCDD	3.0%	1.12	1.14	1.11	1.15	1.17
-------------------	------	------	------	------	------	------

Totals

Total TCDD	3.9%	1.08	1.08	1.06	1.07	1.14
Total PeCDD	1.6%	1.07	1.05	1.07	1.07	1.09
Total HxCDD	1.7%	1.01	0.99	1.00	1.01	1.04
Total HpCDD	2.8%	1.09	1.07	1.08	1.08	1.14
Total TCDF	1.9%	0.98	0.99	0.95	1.00	0.98
Total PeCDF	2.7%	1.00	0.99	1.00	1.01	1.04
Total HxCDF	1.8%	1.15	1.12	1.15	1.16	1.18
Total HpCDF	2.9%	1.34	1.29	1.34	1.36	1.38

Instrument: MM1 (AutoSpec-Ultima)		MS Experiment: DF_CL4-8B		GC Program: DB5MS_60M					
#	Datfile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	120801P2-01	31	1613_CS_0,5	1.00	1613_CS_0,5	MDC	627-866	01-AUG-2012	10:27:13
2	120801P2-02	32	1613_CS1	1.00	1613_CS1	MDC	432-273	01-AUG-2012	11:17:24
3	120801P2-03	33	1613_CS2	1.00	1613_CS2	MDC	440-192	01-AUG-2012	12:07:35
4	120801P2-04	34	1613_CS3	1.00	1613_CS3	MDC	279-058	01-AUG-2012	12:57:42
5	120801P2-05	35	1613_CS4	1.00	1613_CS4	MDC	262-366	01-AUG-2012	13:47:53
6	120801P2-06	36	1613_CS5	1.00	1613_CS5	MDC	188-721	01-AUG-2012	14:38:05

REVIEWED

By Michael D H Chu at 4:47 pm, Aug 01, 2012

APPROVED

By Jeremy Kadylak at 2:22 pm, Oct 22, 2012

Dioxin/Furan QC Summary

Lab ID: 1613_CS 0.5

Sample ID: 1613_CS 0.5

Acq'd: 01 Aug 2012 10:27 MDC

UTP: 01-Aug-2012 13:03 MDC

Report: 16 Oct 2012 09:39 MC

ICAL: 1613_SGS

Checkcode: 627-866-FSN

Datafile: 120801P2-01

Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.12	1.85E+05	0.82	Y	1.08	1.02	-5%
12378-PeCDD	32.76	7.98E+05	1.54	Y	1.07	1.08	1%
123478-HxCDD	37.53	7.23E+05	1.29	Y	1.05	1.05	0%
123678-HxCDD	37.66	7.87E+05	1.31	Y	0.98	1.01	3%
123789-HxCDD	38.01	7.44E+05	1.24	Y	1.01	1.01	0%
1234678-HpCDD	41.84	6.33E+05	1.13	Y	1.09	1.05	-3%
OCDD	45.40	9.72E+05	0.92	Y	1.11	1.08	-3%
2378-TCDF	25.04	2.93E+05	0.77	Y	0.98	0.96	-1%
12378-PeCDF	30.94	1.22E+06	1.54	Y	0.99	0.96	-3%
23478-PeCDF	32.33	1.20E+06	1.49	Y	1.02	0.96	-6%
123478-HxCDF	36.32	1.11E+06	1.23	Y	1.19	1.17	-2%
123678-HxCDF	36.49	1.19E+06	1.22	Y	1.16	1.14	-1%
234678-HxCDF	37.31	1.17E+06	1.26	Y	1.18	1.15	-2%
123789-HxCDF	38.44	9.81E+05	1.24	Y	1.09	1.08	0%
1234678-HpCDF	40.41	1.02E+06	1.00	Y	1.35	1.30	-3%
1234789-HpCDF	42.42	7.86E+05	0.98	Y	1.34	1.30	-3%
OCDF	45.63	1.17E+06	0.86	Y	1.40	1.30	-7%
ES 2378-TCDD	26.09	7.24E+07	0.80	Y	1.04	1.03	-2%
ES 12378-PeCDD	32.73	5.89E+07	1.61	Y	0.87	0.83	-4%
ES 123478-HxCDD	37.51	5.51E+07	1.28	Y	0.94	0.93	-1%
ES 123678-HxCDD	37.64	6.23E+07	1.25	Y	1.06	1.06	0%
ES 1234678-HpCDD	41.83	4.82E+07	1.06	Y	0.80	0.82	2%
ES OCDD	45.38	7.21E+07	0.93	Y	0.63	0.61	-3%
ES 2378-TCDF	25.02	1.22E+08	0.79	Y	1.74	1.73	-1%
ES 12378-PeCDF	30.92	1.02E+08	1.64	Y	1.49	1.44	-4%
ES 23478-PeCDF	32.31	1.01E+08	1.56	Y	1.48	1.42	-4%
ES 123478-HxCDF	36.30	7.64E+07	0.53	Y	1.27	1.30	2%
ES 123678-HxCDF	36.47	8.34E+07	0.53	Y	1.41	1.41	0%
ES 234678-HxCDF	37.29	8.15E+07	0.53	Y	1.34	1.38	3%
ES 123789-HxCDF	38.43	7.24E+07	0.53	Y	1.20	1.23	2%
ES 1234678-HpCDF	40.40	6.27E+07	0.45	Y	1.06	1.06	0%
ES 1234789-HpCDF	42.41	4.84E+07	0.46	Y	0.82	0.82	0%

Dioxin/Furan QC Summary

Lab ID: 1613_CS 0.5

Sample ID: 1613_CS 0.5

Acq'd: 01 Aug 2012 10:27 MDC

UTP: 01-Aug-2012 13:03 MDC

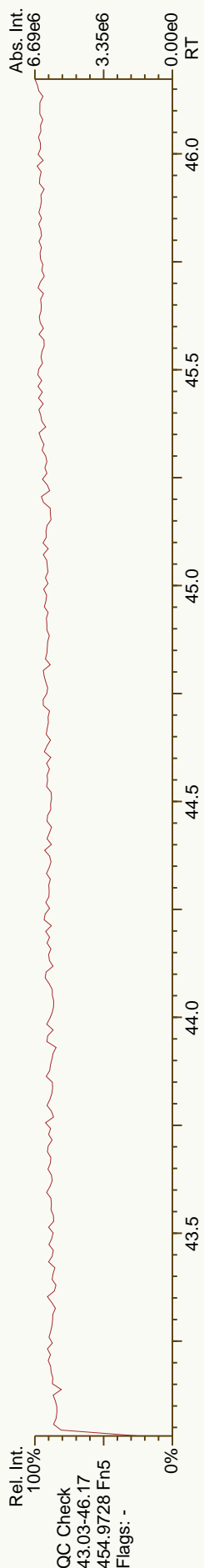
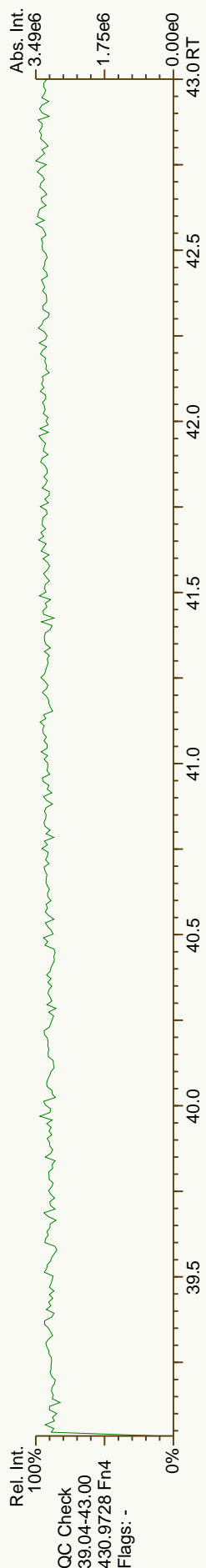
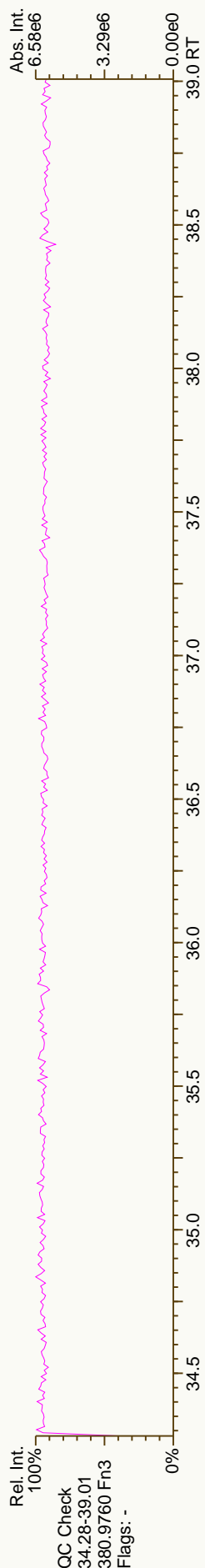
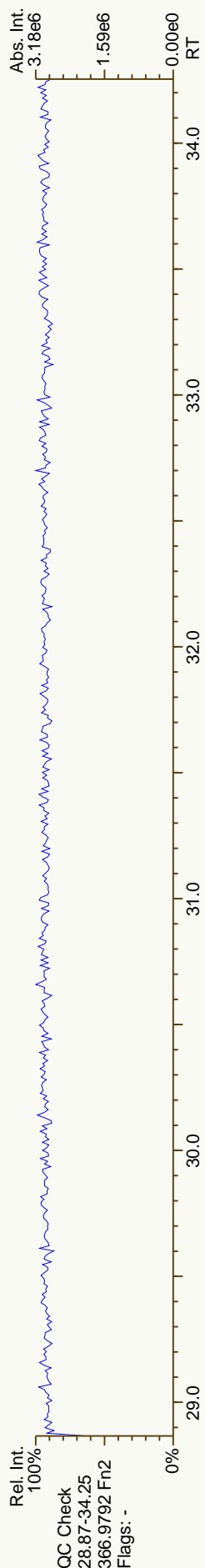
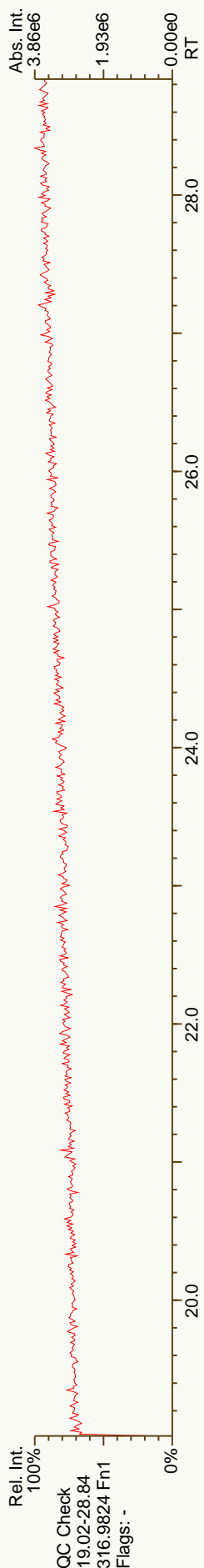
Report: 16 Oct 2012 09:39 MC

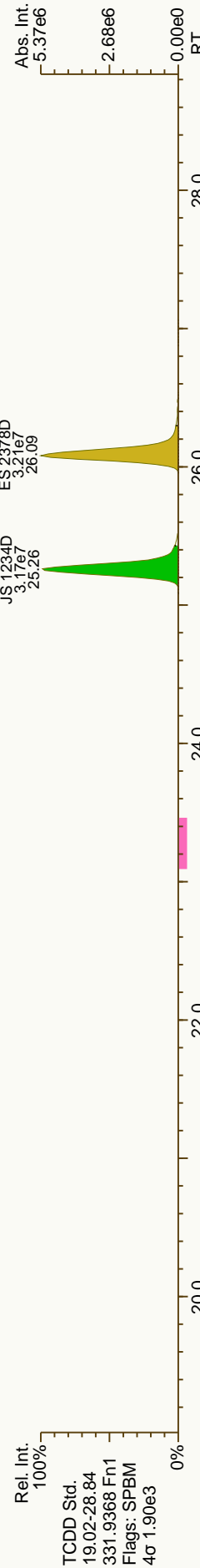
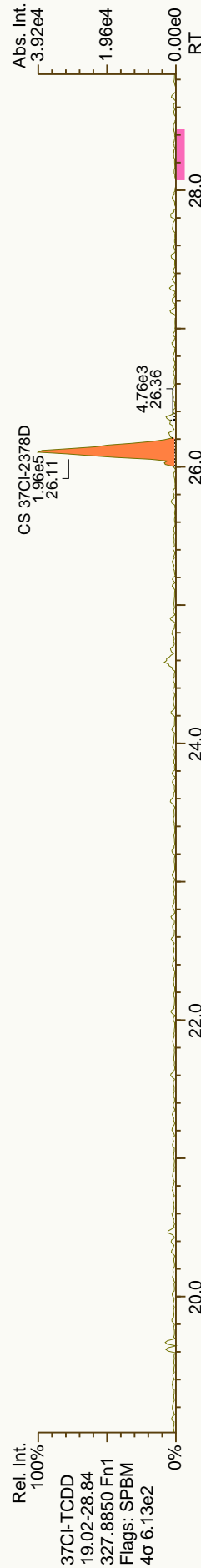
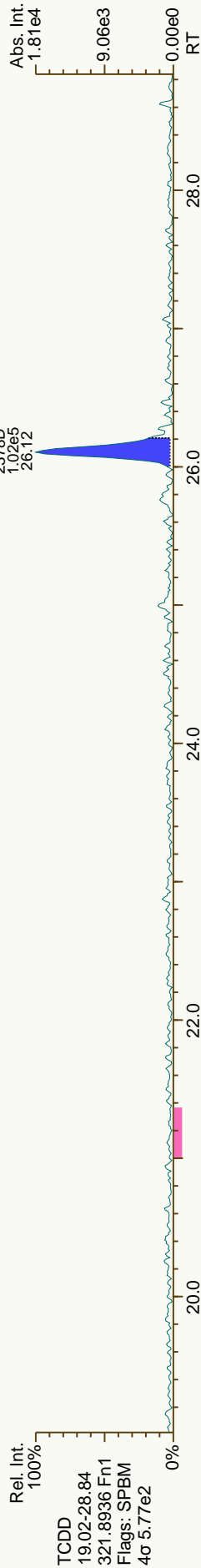
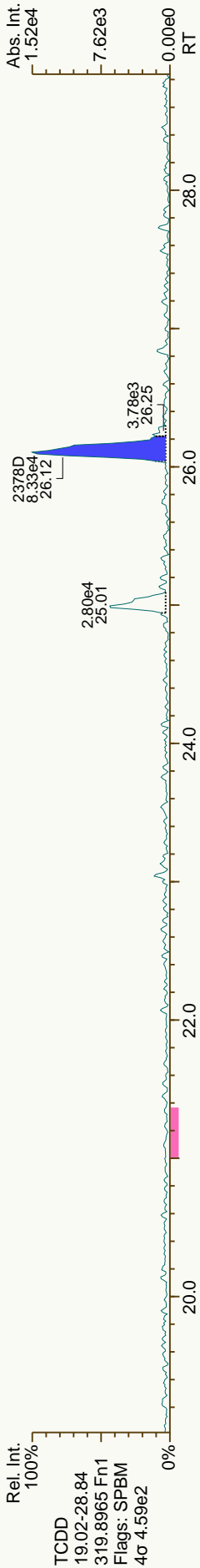
ICAL: 1613_SGS

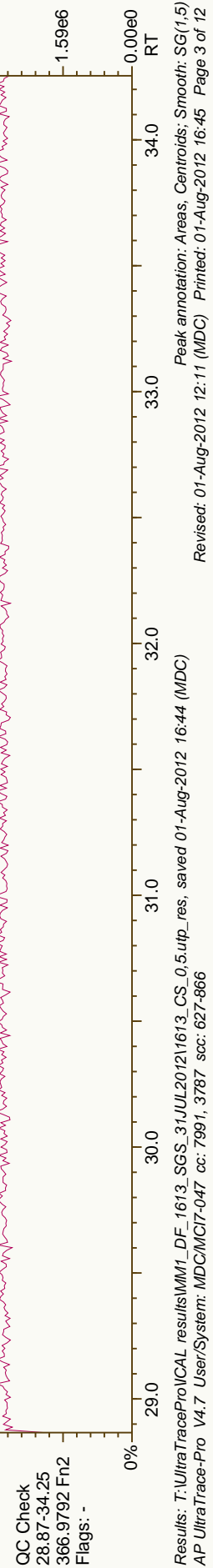
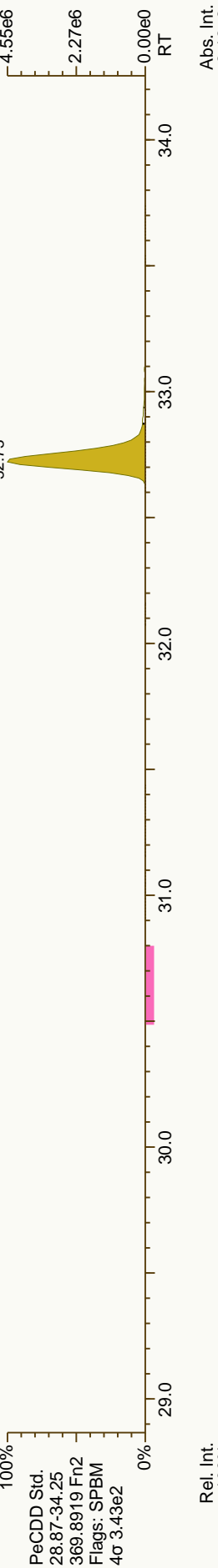
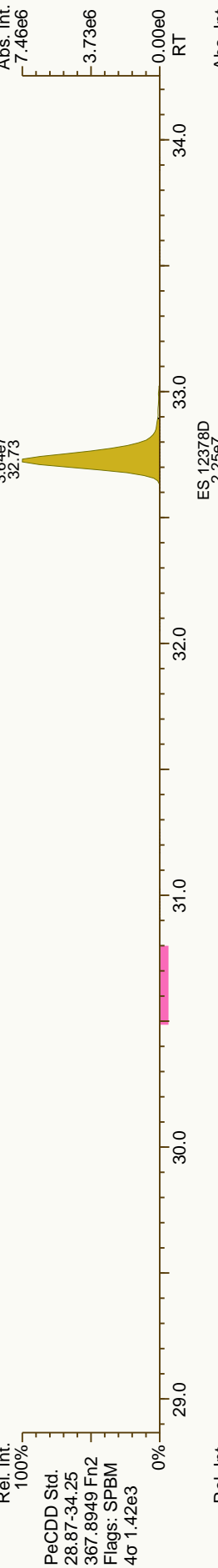
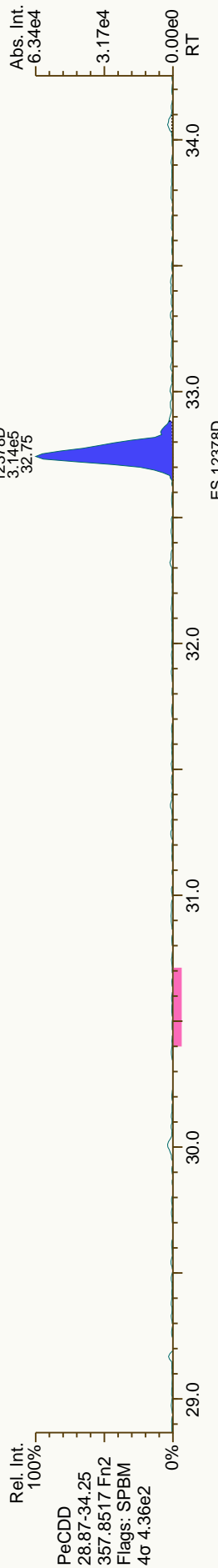
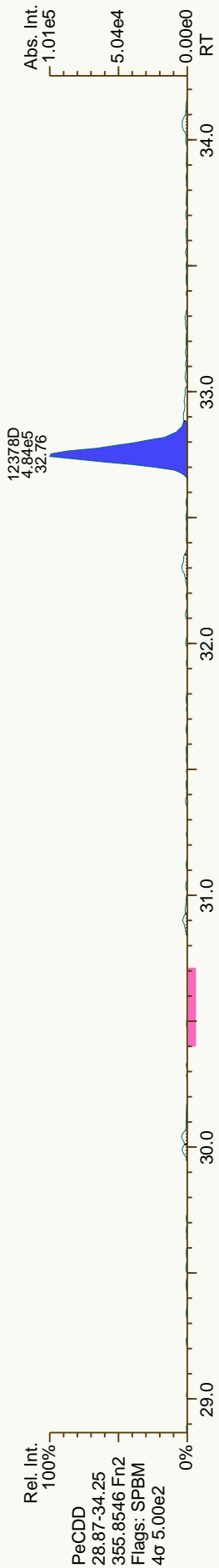
Checkcode: 627-866

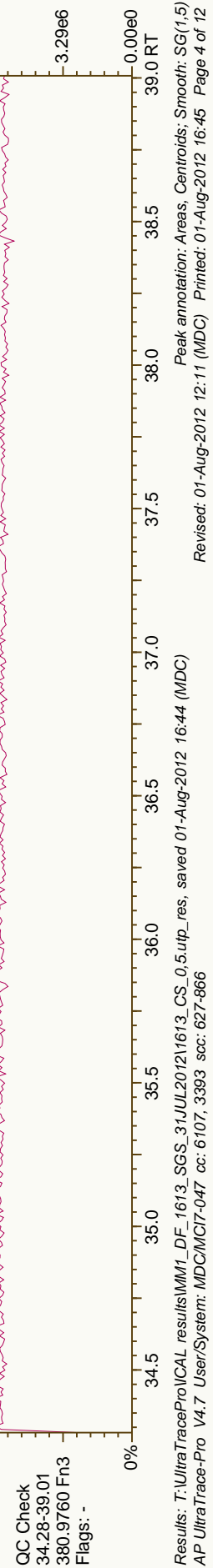
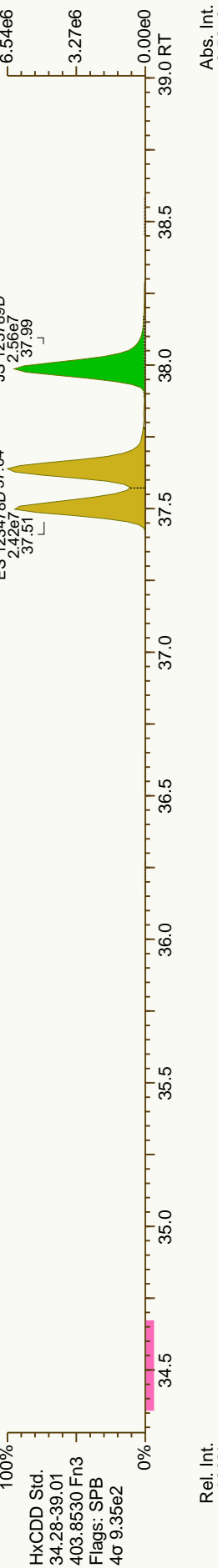
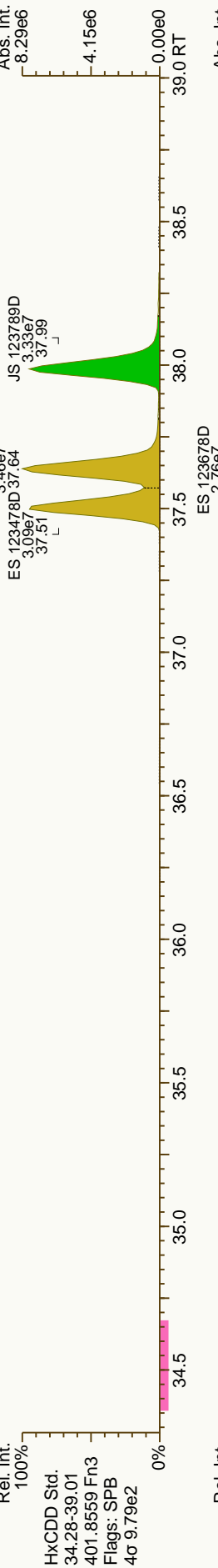
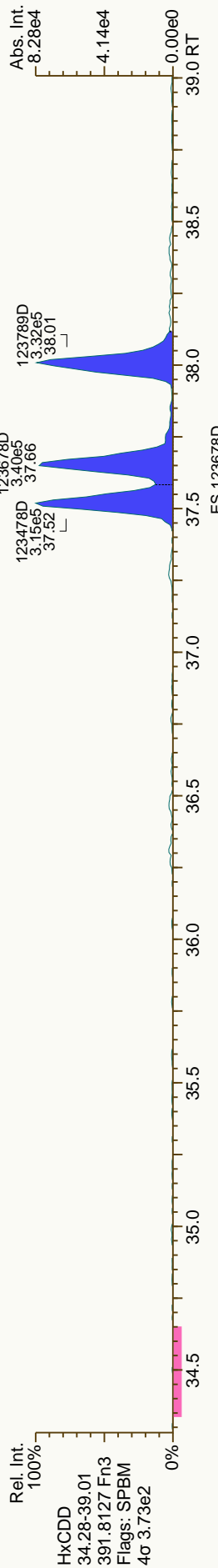
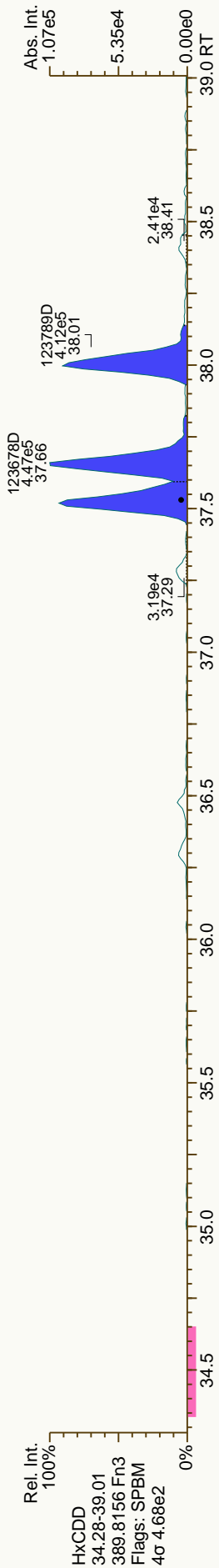
Datafile: 120801P2-01

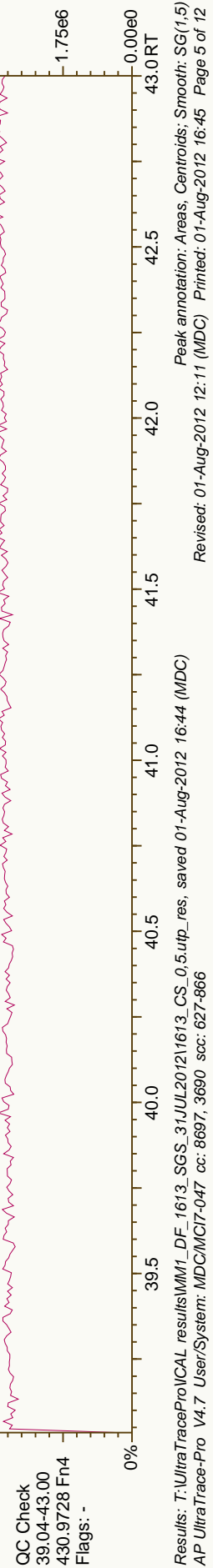
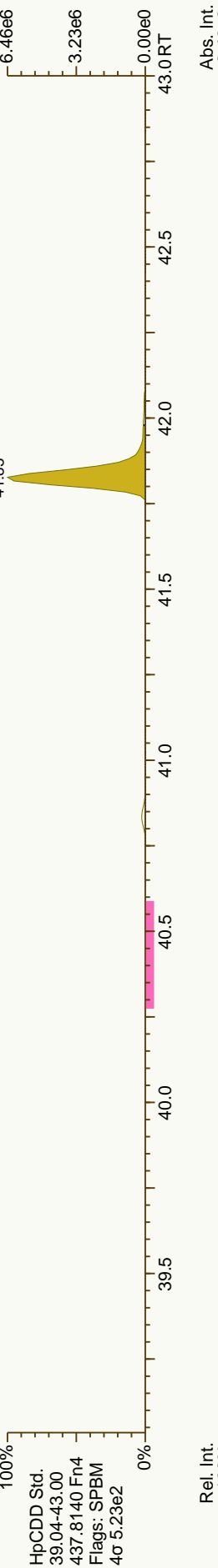
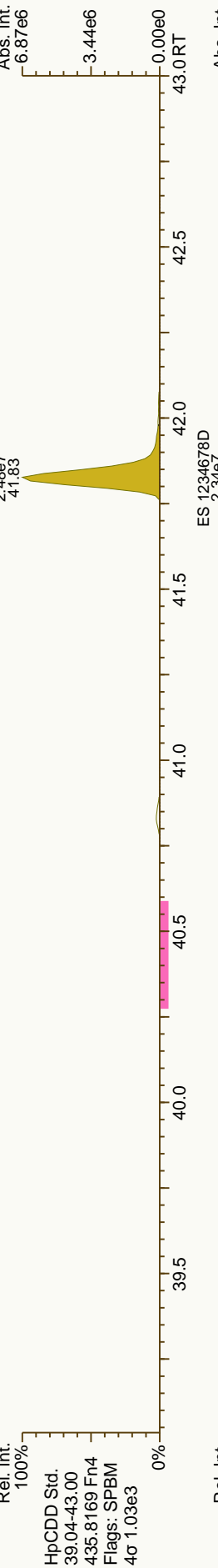
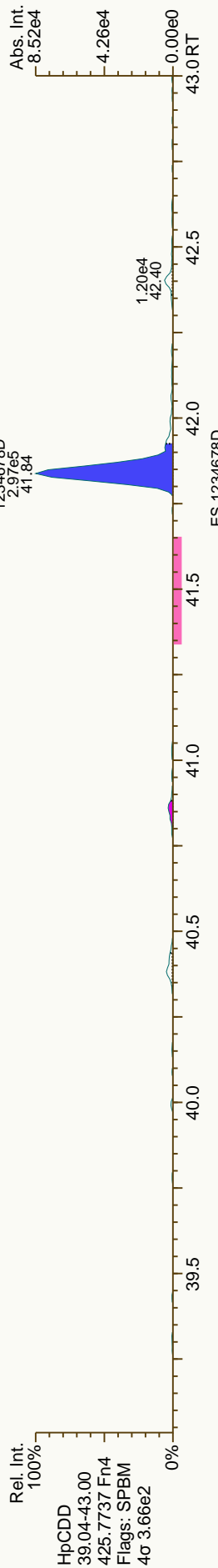
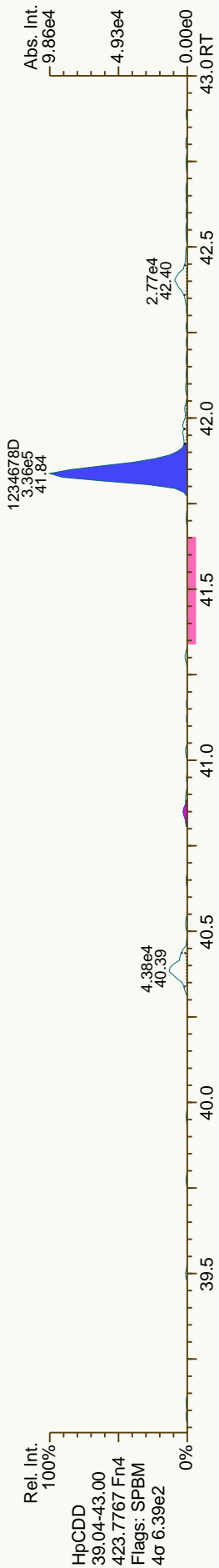
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
J5 1234-TCDD	25.26	7.06E+07	0.82	Y	-	-	-
J5 123789-HxCDD	37.99	5.89E+07	1.30	Y	-	-	-
CS 37Cl-2378-TCDD	26.11	1.96E+05	n/a	-	1.17	1.11	-5%
SS 37Cl-2378-TCDD	26.11	1.96E+05	n/a	-	1.12	1.08	-4%

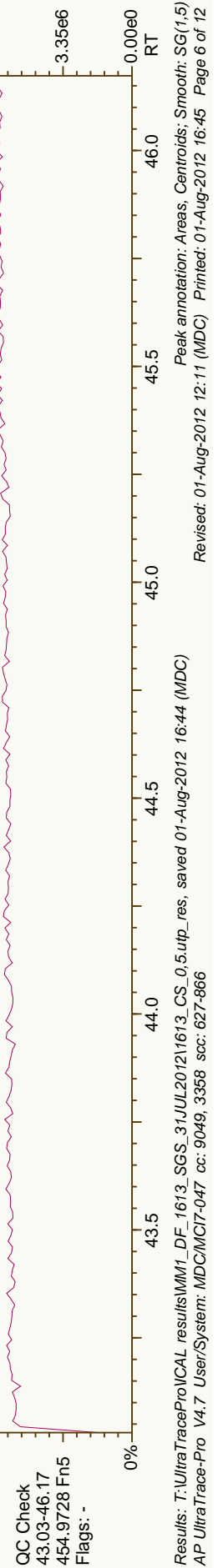
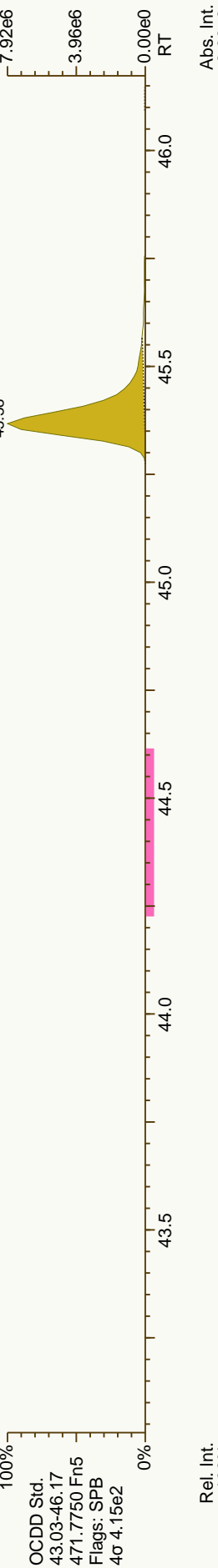
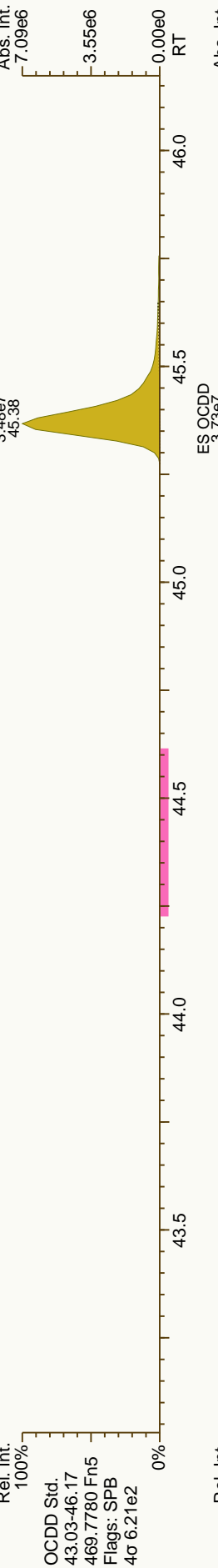
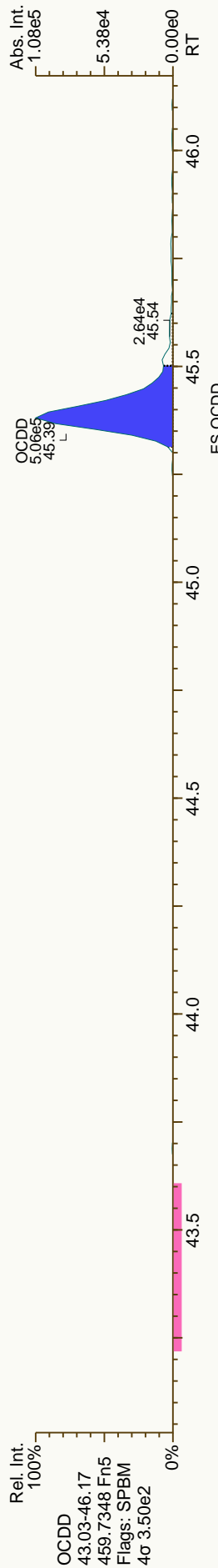
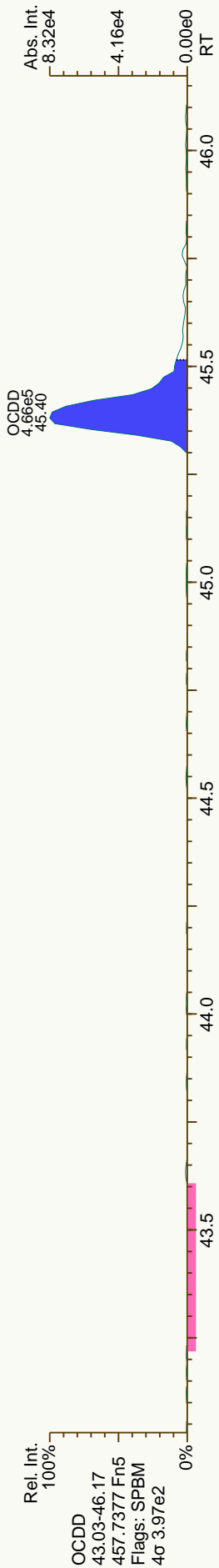


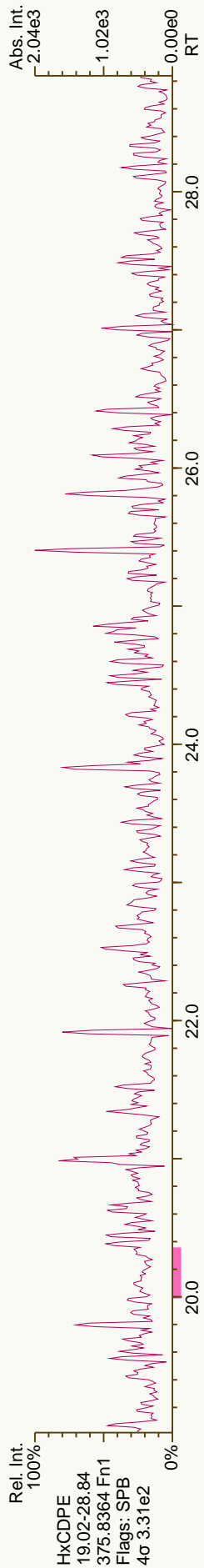
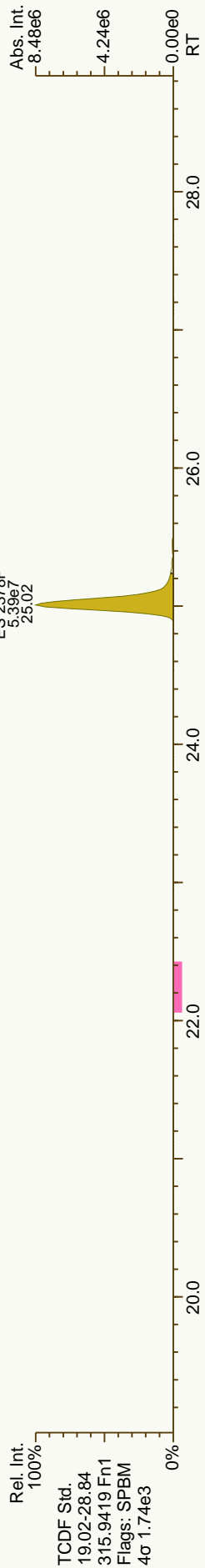
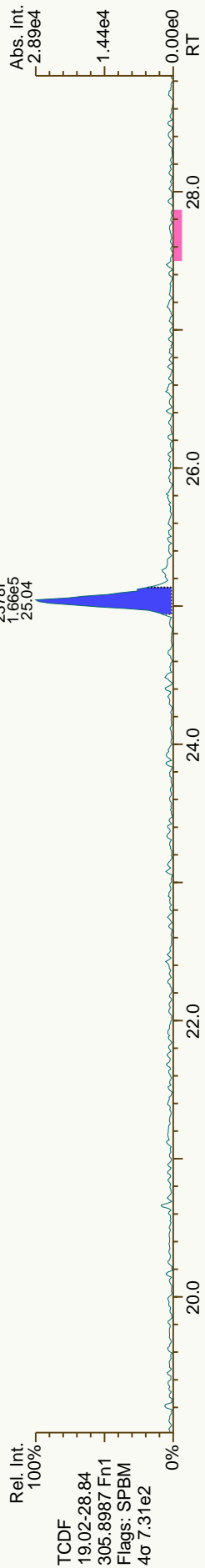
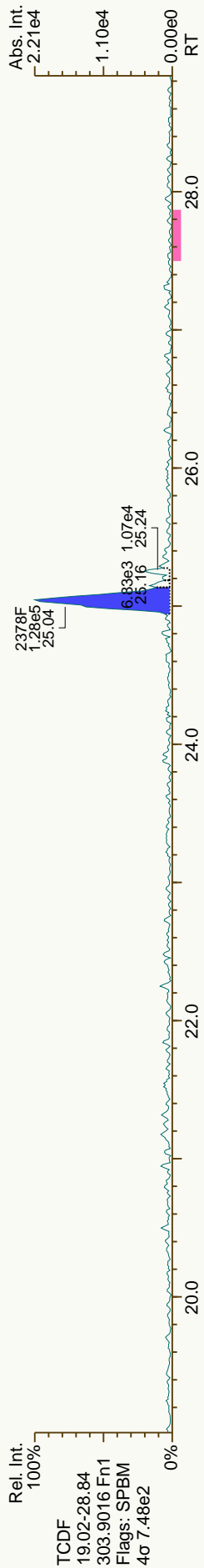


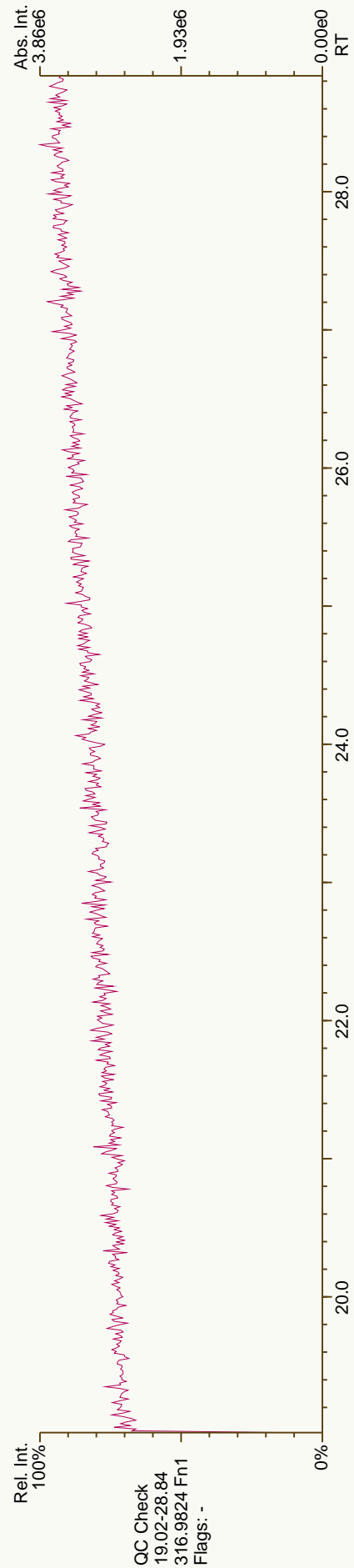
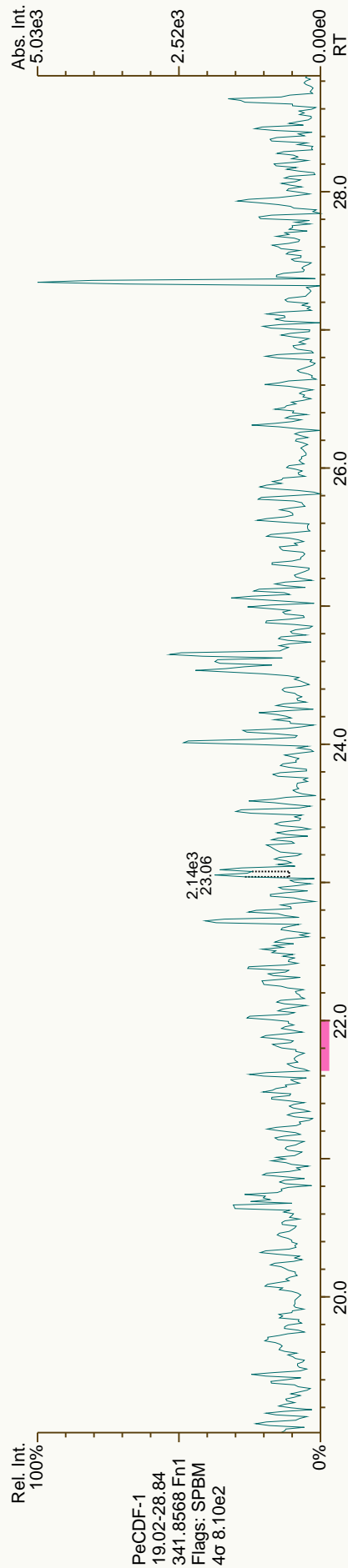
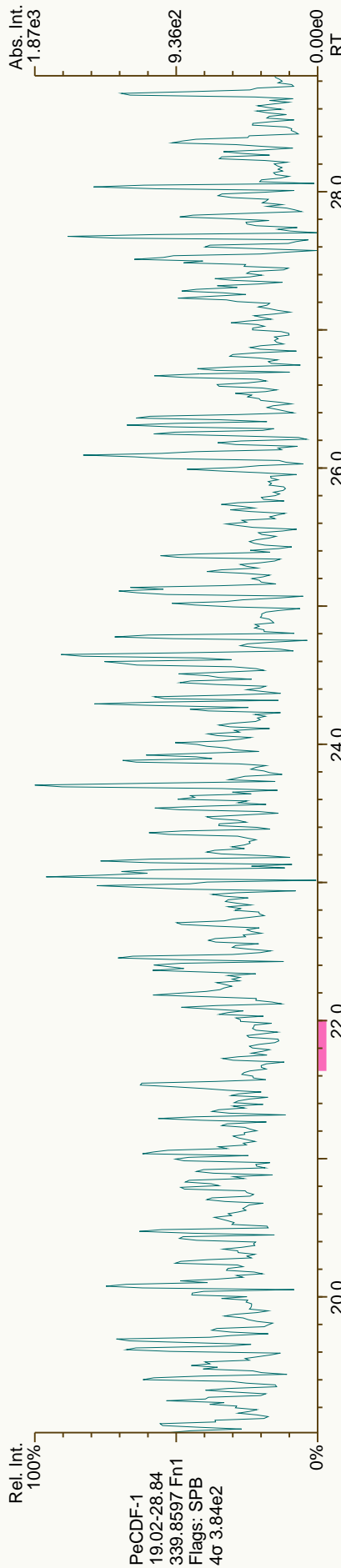


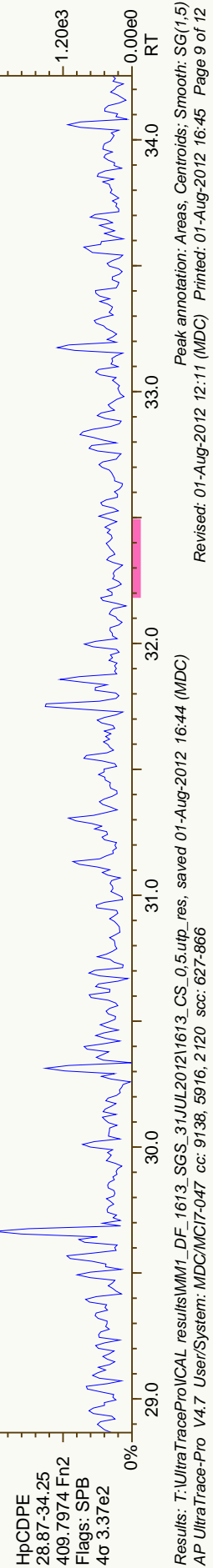
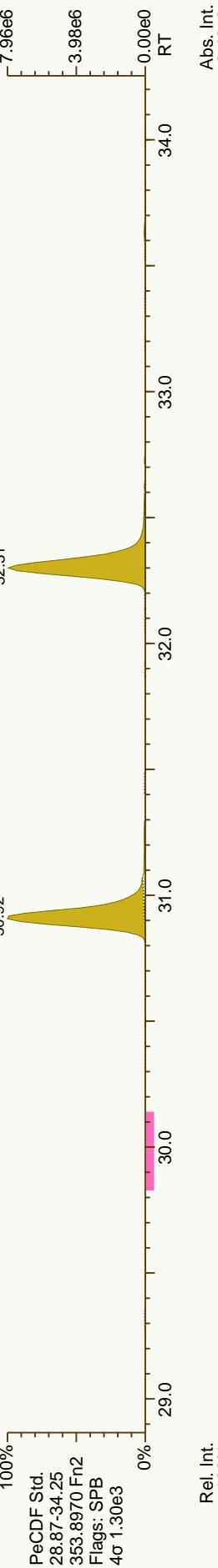
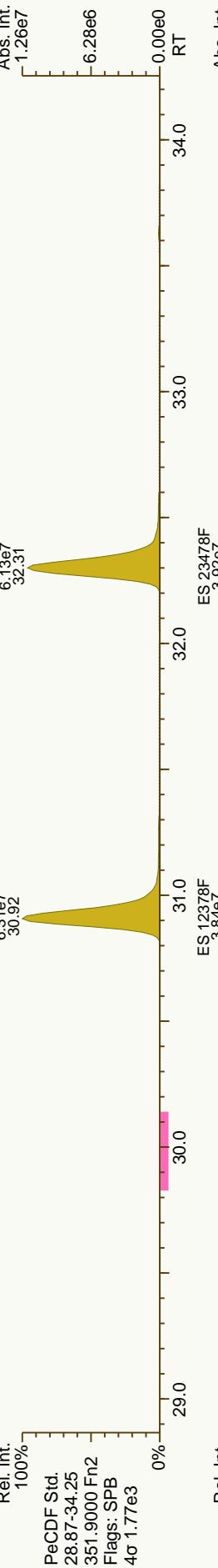
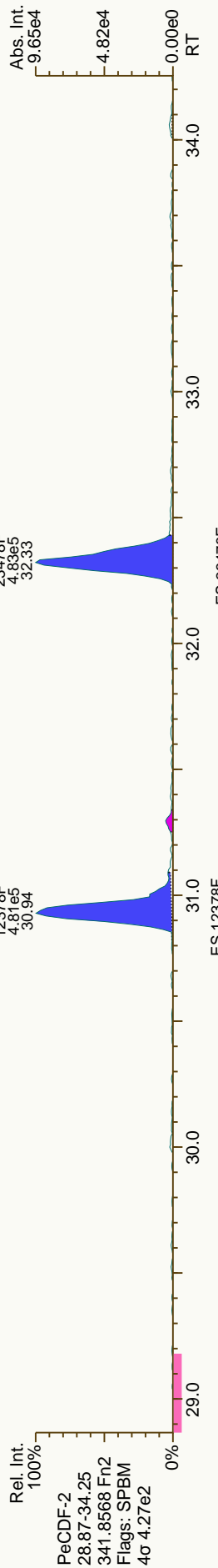
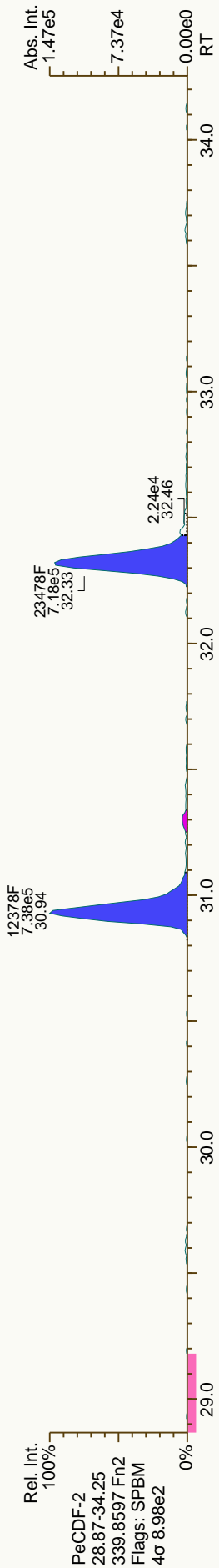


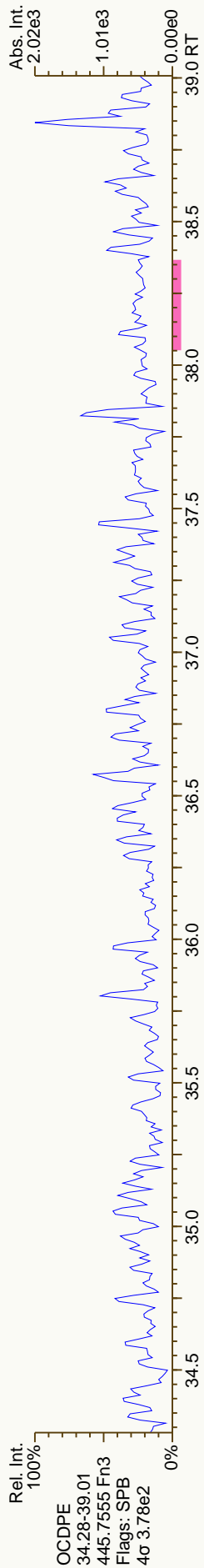
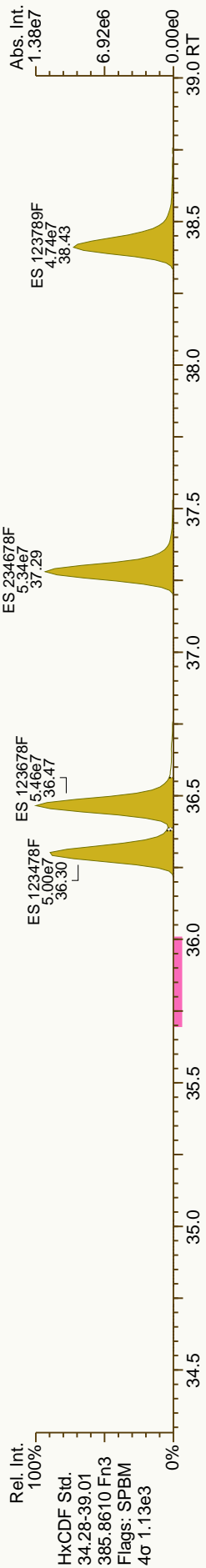
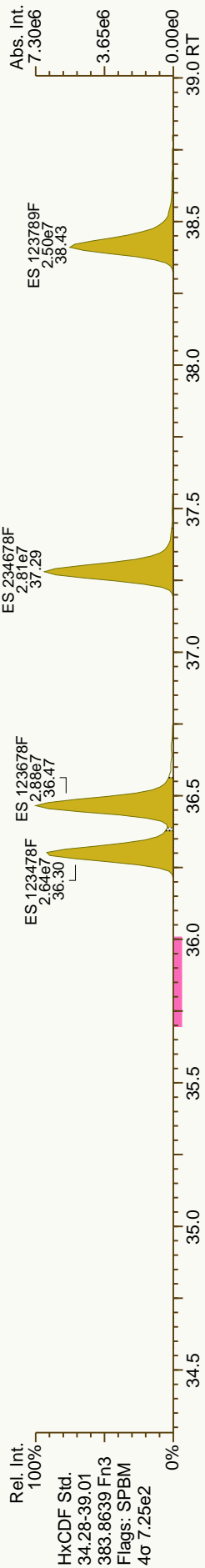
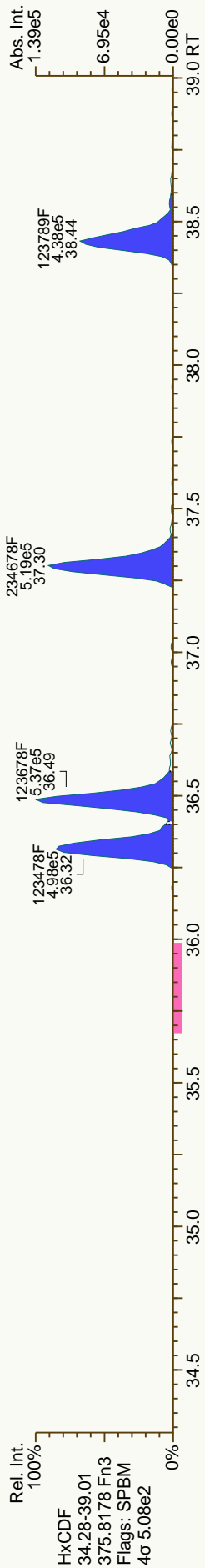
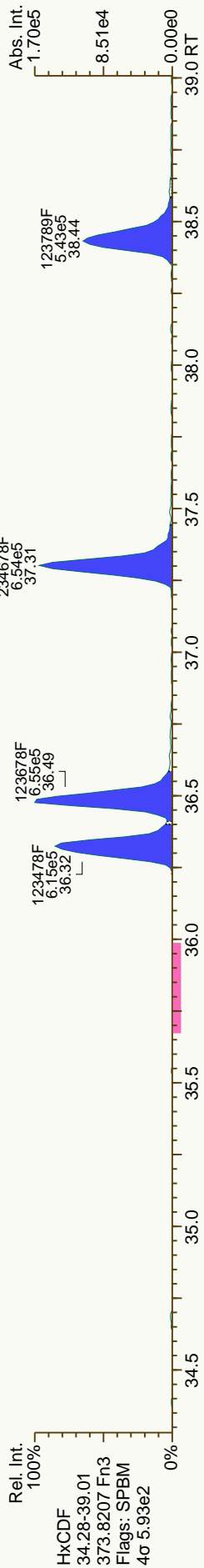


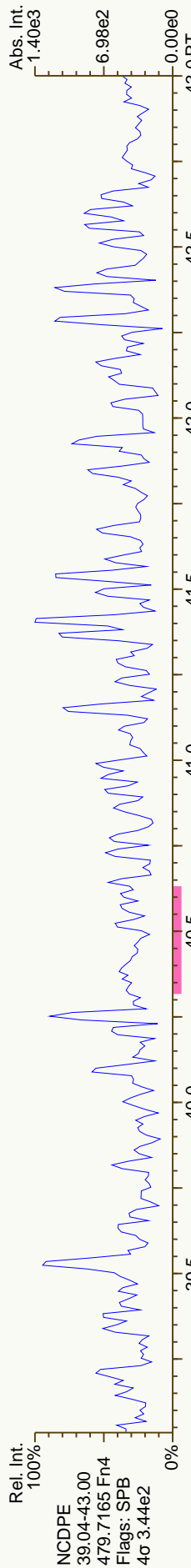
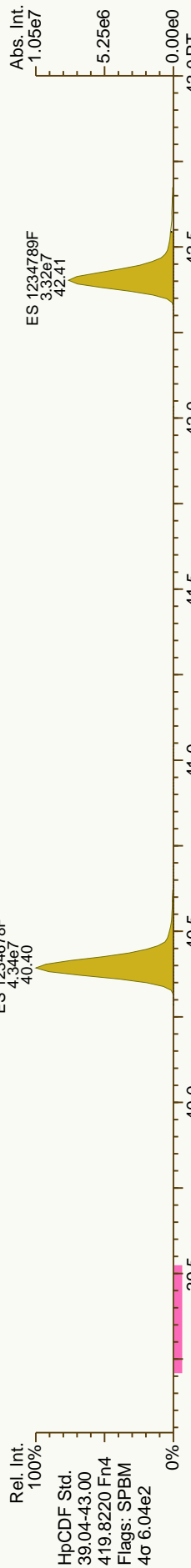
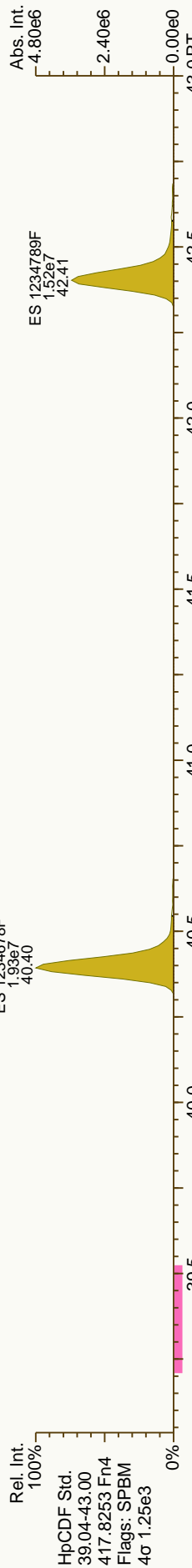
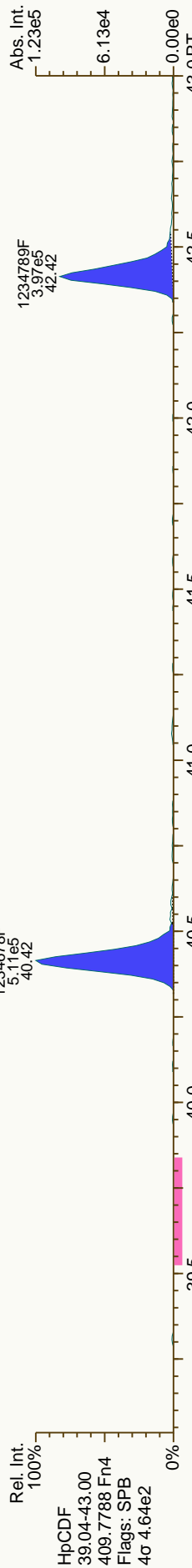
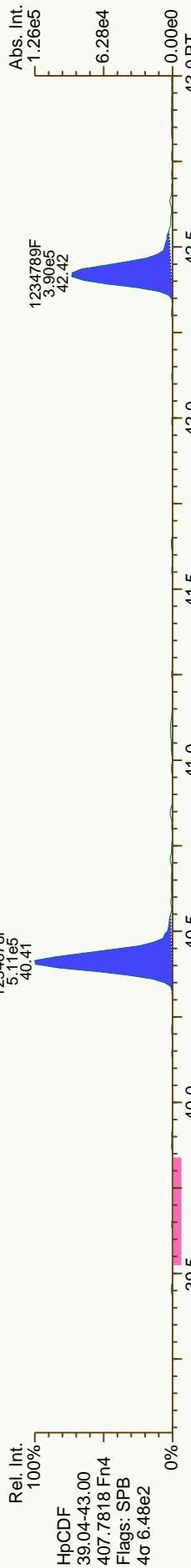


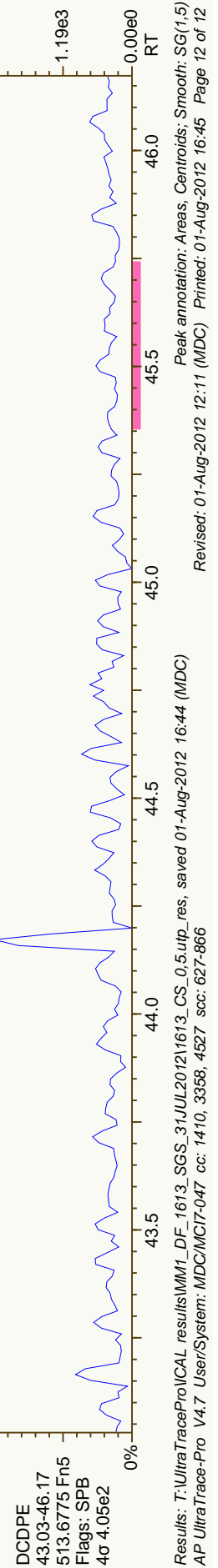
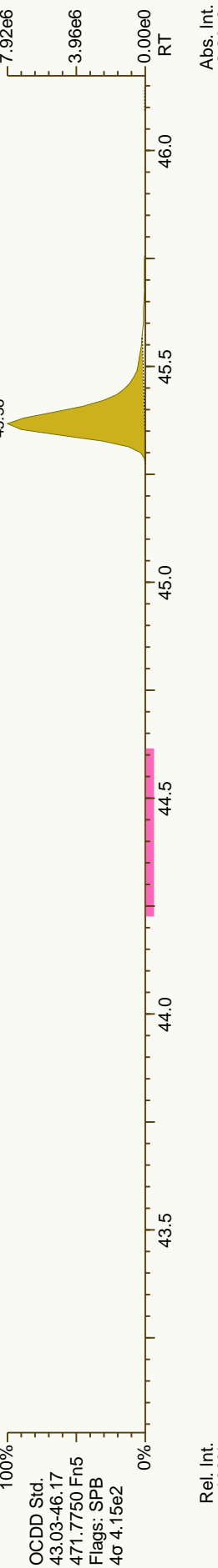
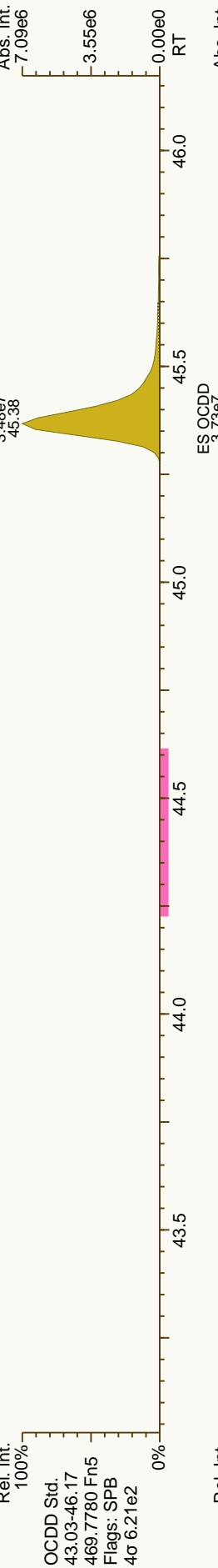
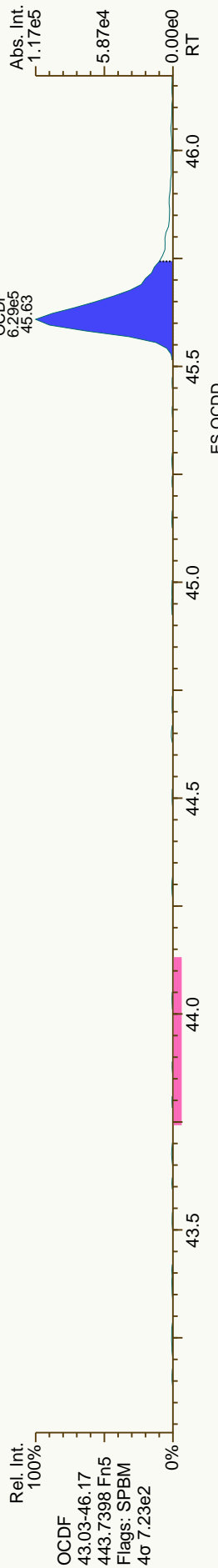
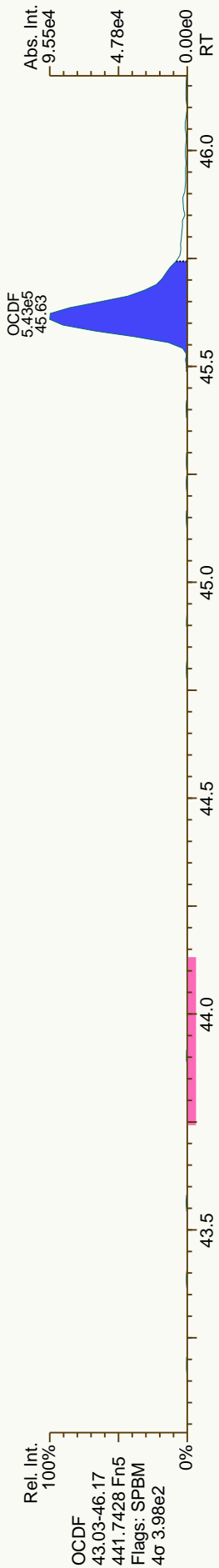












Dioxin/Furan QC Summary

Lab ID: 1613_CS1

Sample ID: 1613_CS1

Acq'd: 01 Aug 2012 11:17 MDC

UTP: 01-Aug-2012 13:03 MDC

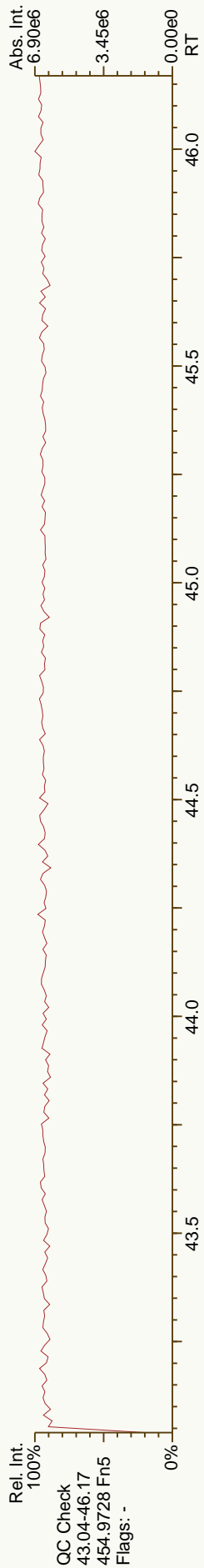
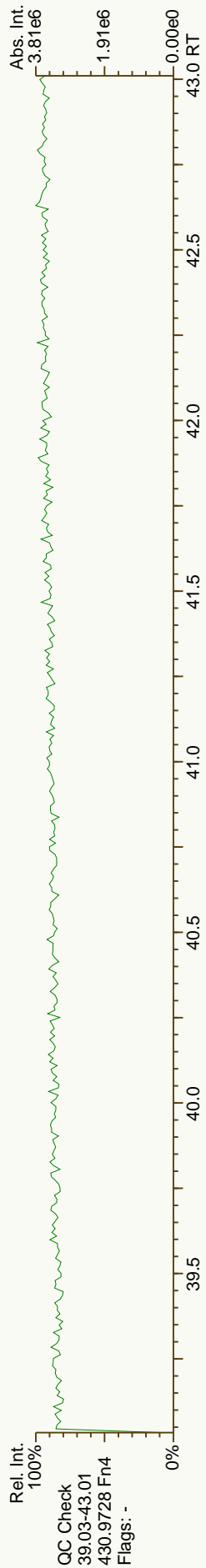
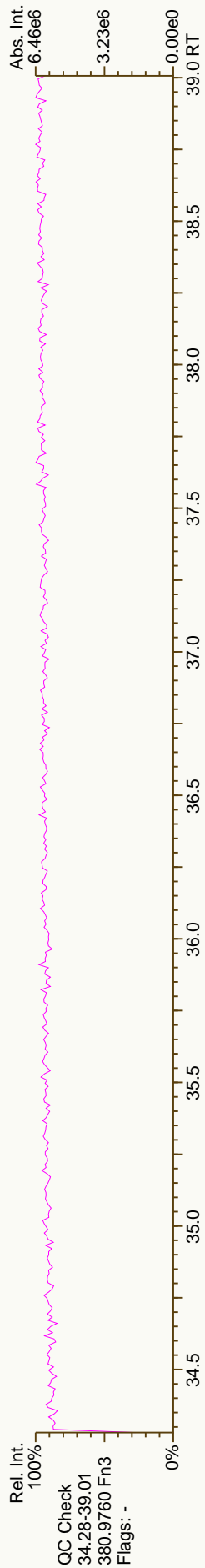
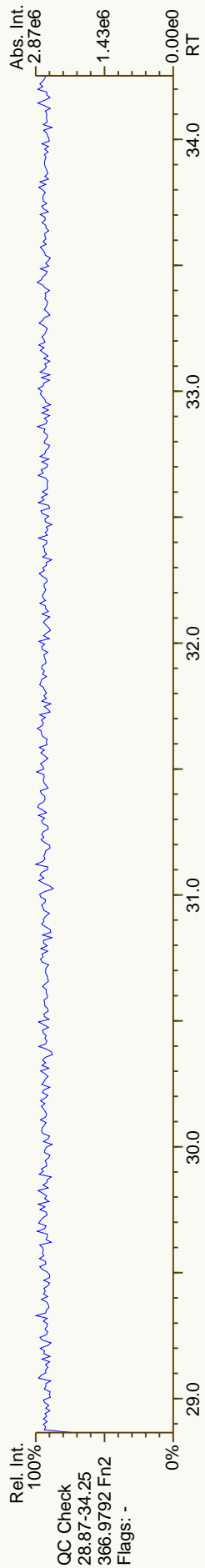
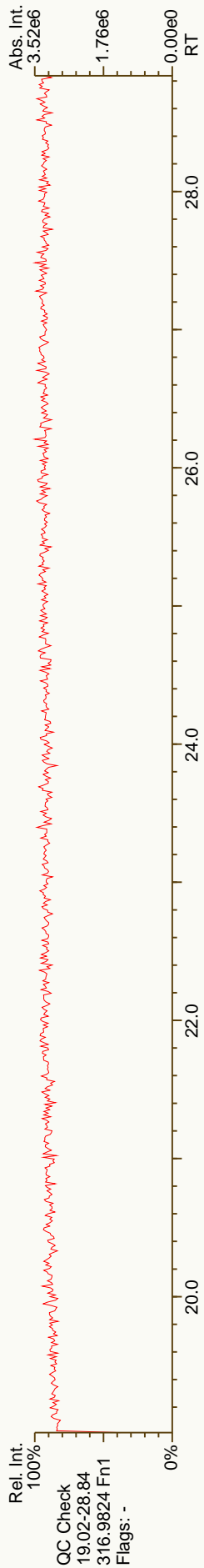
Report: 16 Oct 2012 09:39 MC

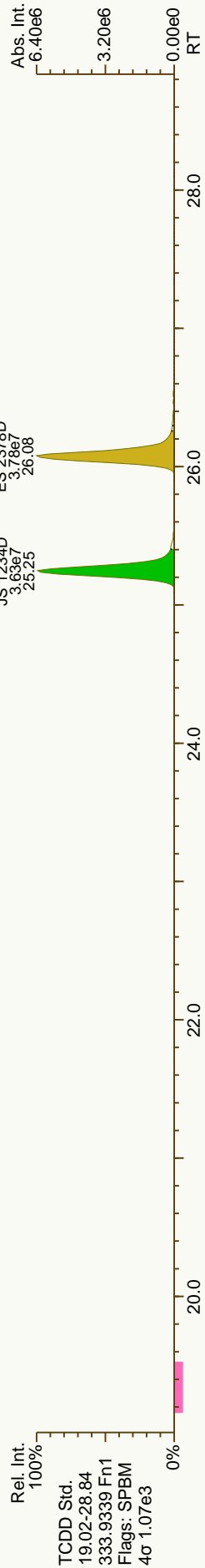
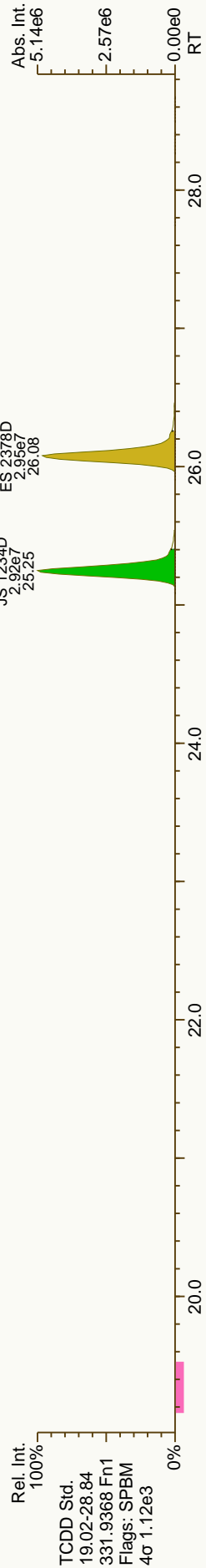
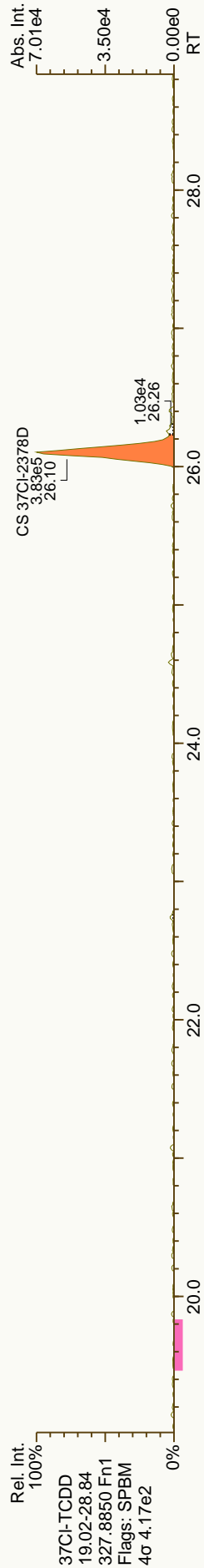
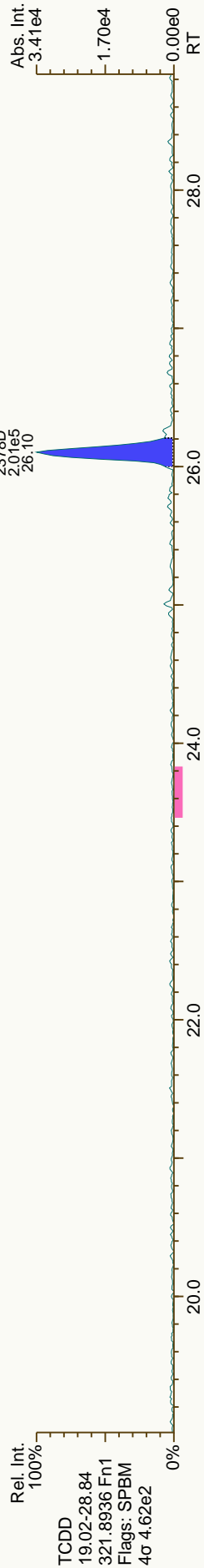
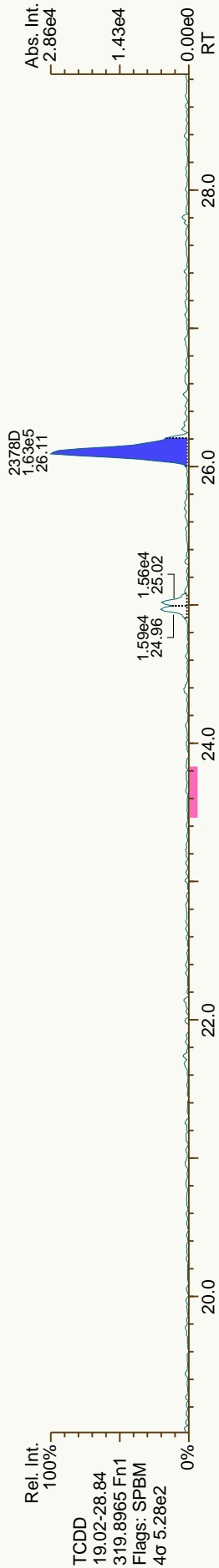
ICAL: 1613_SGS

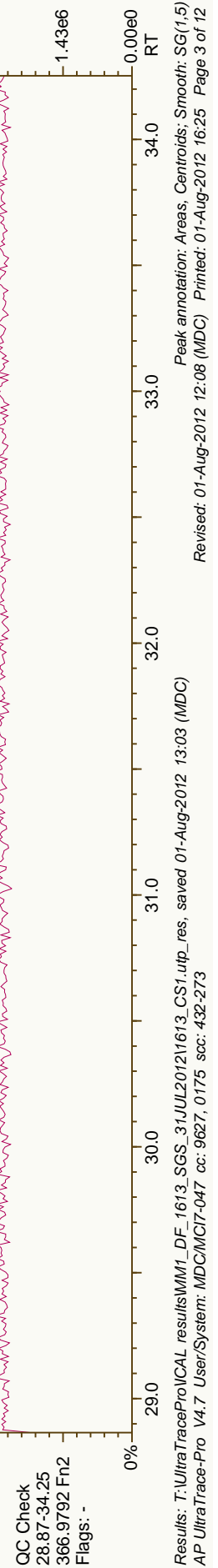
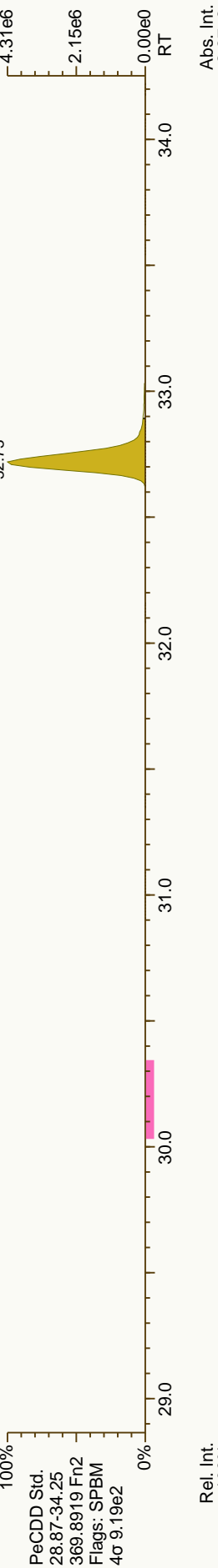
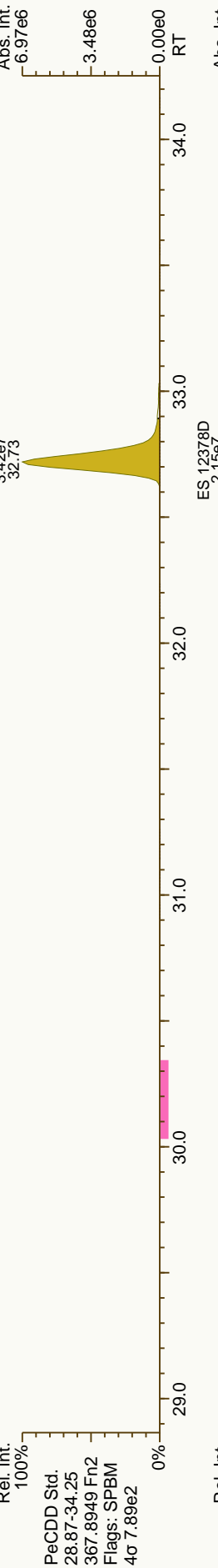
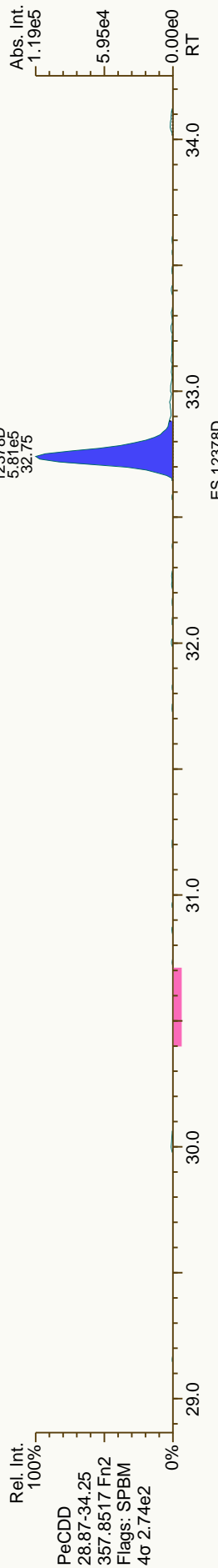
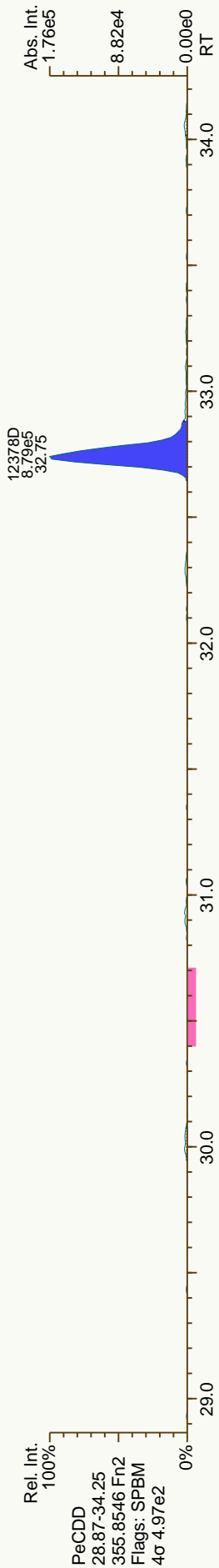
Checksum: 432-273-LKR

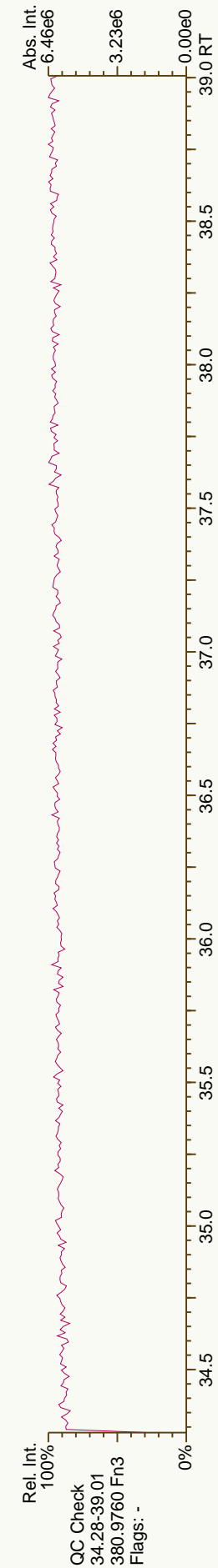
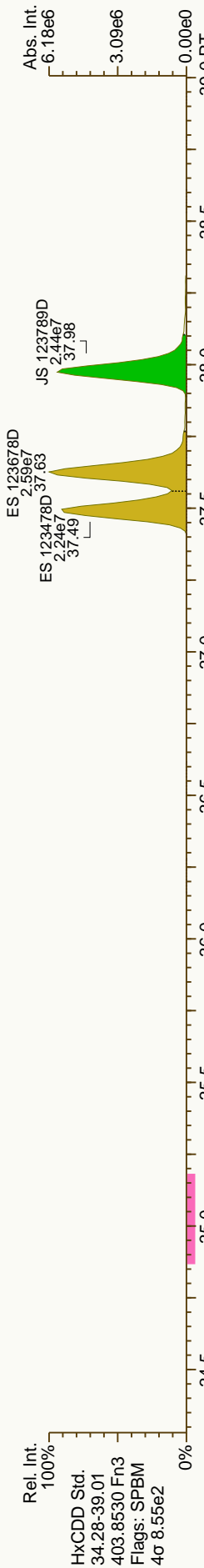
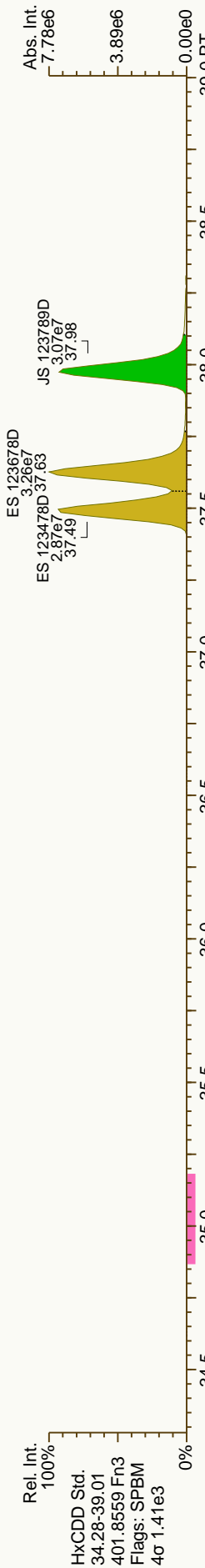
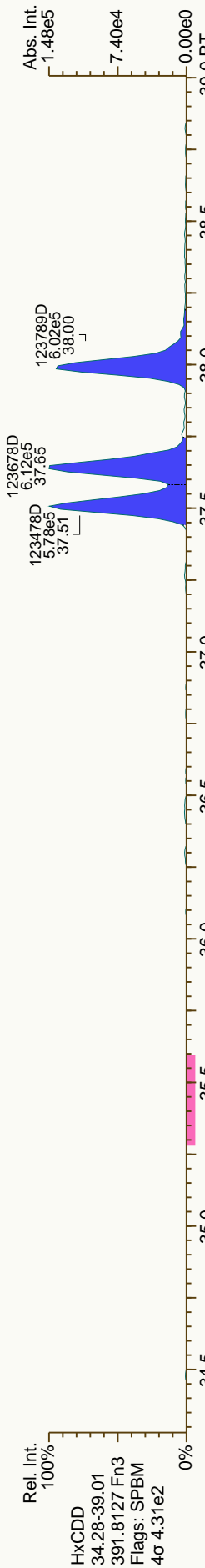
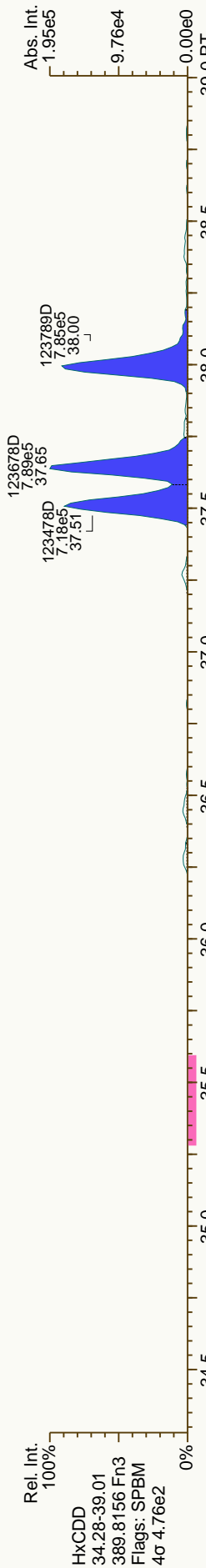
Datafile: 120801P2-02

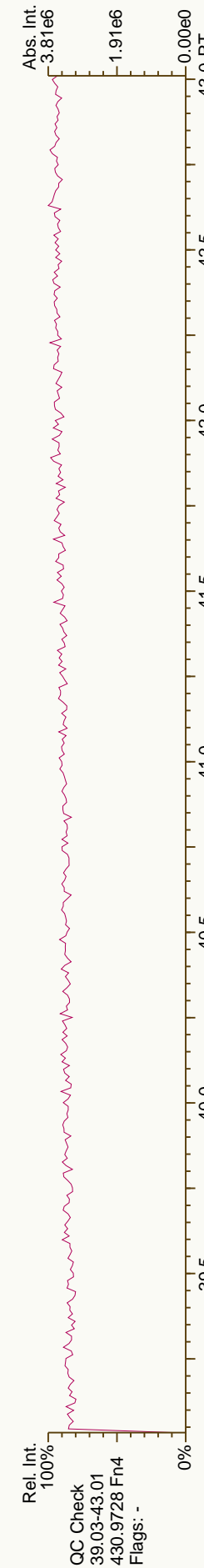
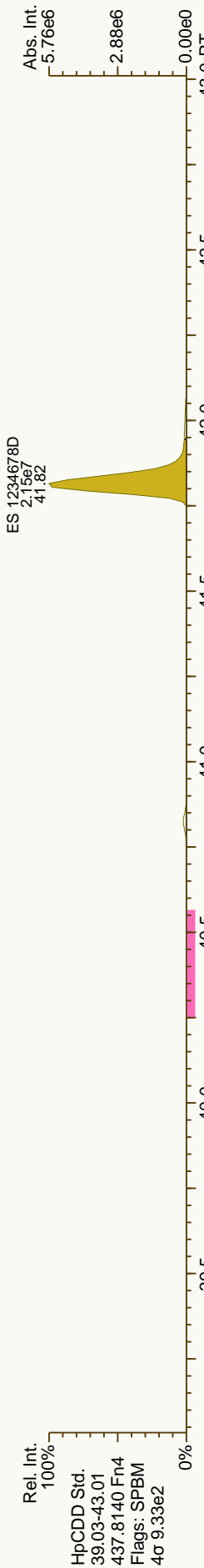
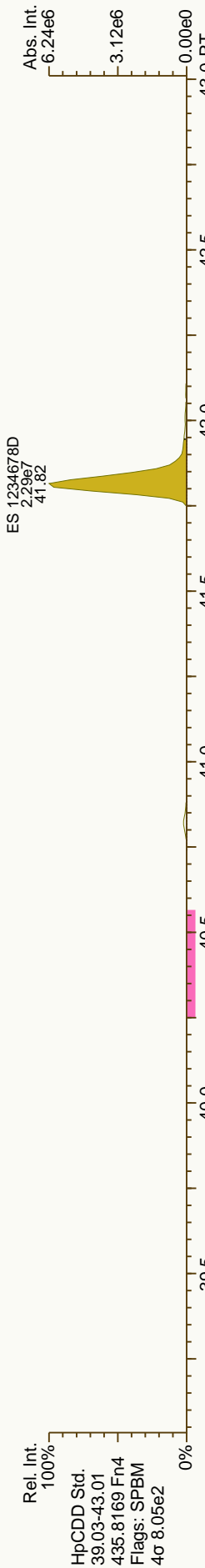
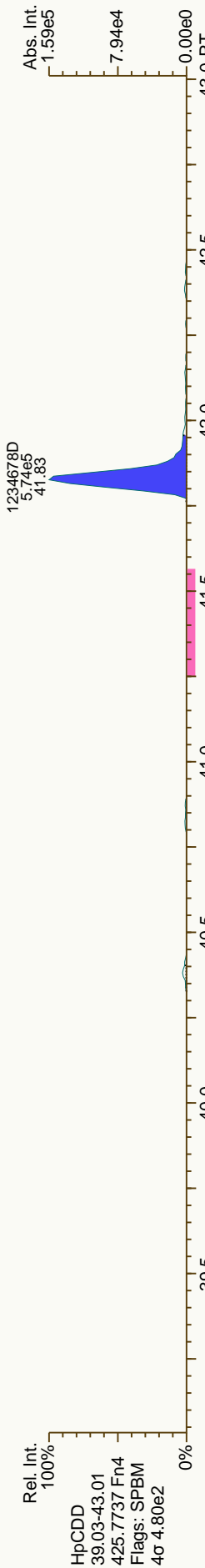
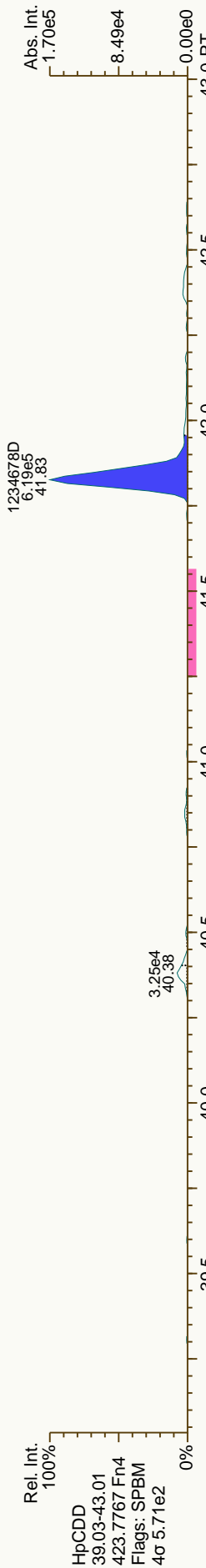
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.11	3.64E+05	0.81	Y	1.08	1.08	0%
12378-PeCDD	32.75	1.46E+06	1.51	Y	1.07	1.05	-2%
123478-HxCDD	37.51	1.30E+06	1.24	Y	1.05	1.01	-3%
123678-HxCDD	37.65	1.40E+06	1.29	Y	0.98	0.96	-3%
123789-HxCDD	38.00	1.39E+06	1.30	Y	1.01	1.01	0%
1234678-HpCDD	41.83	1.19E+06	1.08	Y	1.09	1.07	-1%
OCDD	45.39	1.88E+06	0.93	Y	1.11	1.10	-1%
2378-TCDF	25.03	5.68E+05	0.82	Y	0.98	0.99	2%
12378-PeCDF	30.93	2.34E+06	1.62	Y	0.99	0.97	-2%
23478-PeCDF	32.32	2.42E+06	1.55	Y	1.02	1.01	-1%
123478-HxCDF	36.31	2.08E+06	1.24	Y	1.19	1.16	-3%
123678-HxCDF	36.48	2.29E+06	1.24	Y	1.16	1.13	-3%
234678-HxCDF	37.29	2.16E+06	1.26	Y	1.18	1.14	-3%
123789-HxCDF	38.43	1.74E+06	1.27	Y	1.09	1.06	-3%
1234678-HpCDF	40.40	1.92E+06	1.07	Y	1.35	1.30	-3%
1234789-HpCDF	42.41	1.46E+06	1.06	Y	1.34	1.28	-4%
OCDF	45.62	2.29E+06	0.91	Y	1.40	1.34	-4%
ES 2378-TCDD	26.08	6.73E+07	0.78	Y	1.04	1.03	-1%
ES 12378-PeCDD	32.73	5.57E+07	1.59	Y	0.87	0.85	-2%
ES 123478-HxCDD	37.49	5.11E+07	1.28	Y	0.94	0.93	-1%
ES 123678-HxCDD	37.63	5.85E+07	1.26	Y	1.06	1.06	0%
ES 1234678-HpCDD	41.82	4.45E+07	1.06	Y	0.80	0.81	1%
ES OCDD	45.38	6.85E+07	0.90	Y	0.63	0.62	-1%
ES 2378-TCDF	25.01	1.14E+08	0.79	Y	1.74	1.74	0%
ES 12378-PeCDF	30.91	9.65E+07	1.60	Y	1.49	1.47	-1%
ES 23478-PeCDF	32.30	9.60E+07	1.58	Y	1.48	1.47	-1%
ES 123478-HxCDF	36.29	7.18E+07	0.52	Y	1.27	1.30	2%
ES 123678-HxCDF	36.46	8.14E+07	0.53	Y	1.41	1.48	5%
ES 234678-HxCDF	37.27	7.60E+07	0.53	Y	1.34	1.38	3%
ES 123789-HxCDF	38.42	6.56E+07	0.53	Y	1.20	1.19	-1%
ES 1234678-HpCDF	40.39	5.87E+07	0.46	Y	1.06	1.07	1%
ES 1234789-HpCDF	42.40	4.55E+07	0.46	Y	0.82	0.83	1%

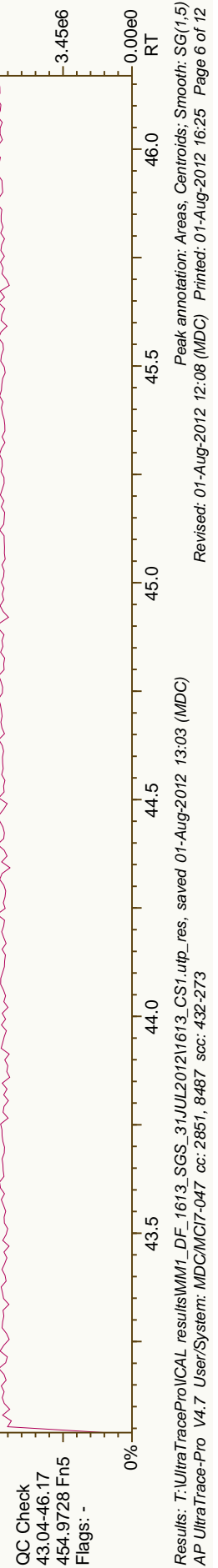
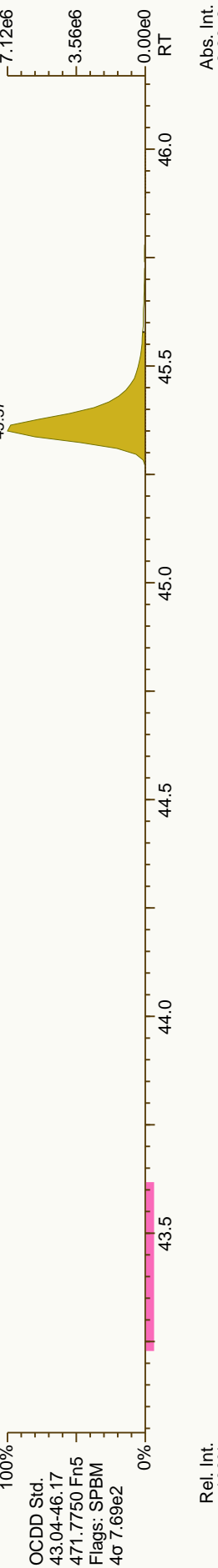
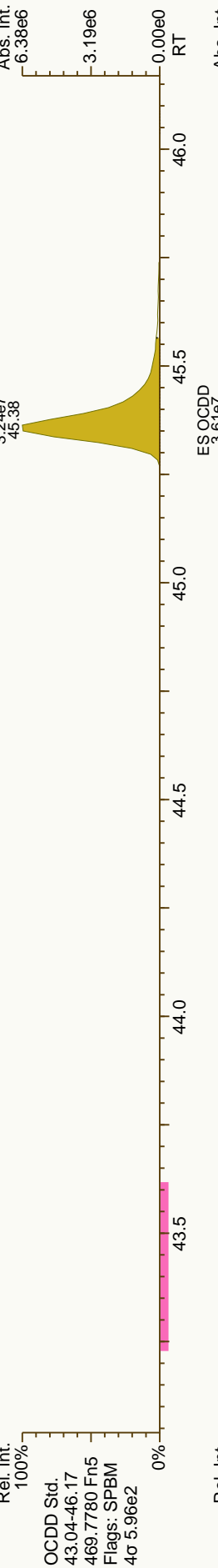
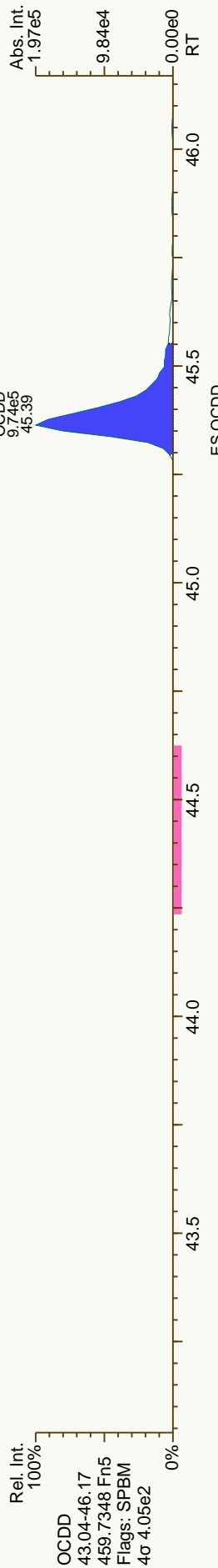
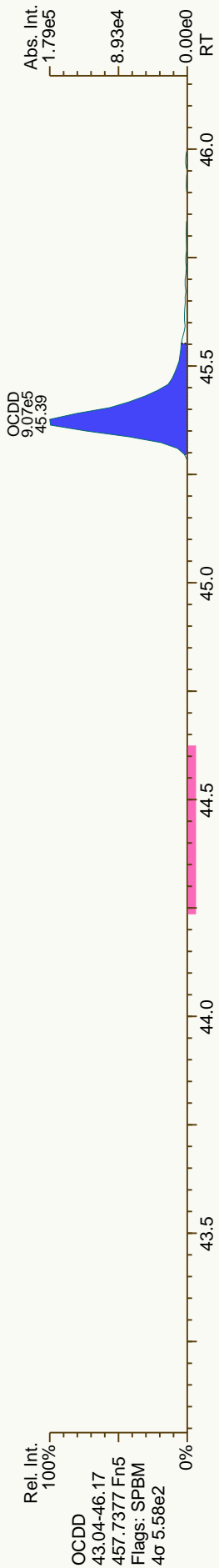


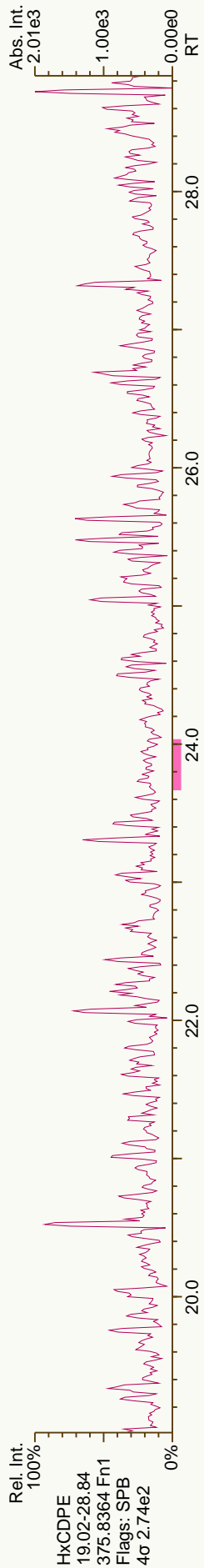
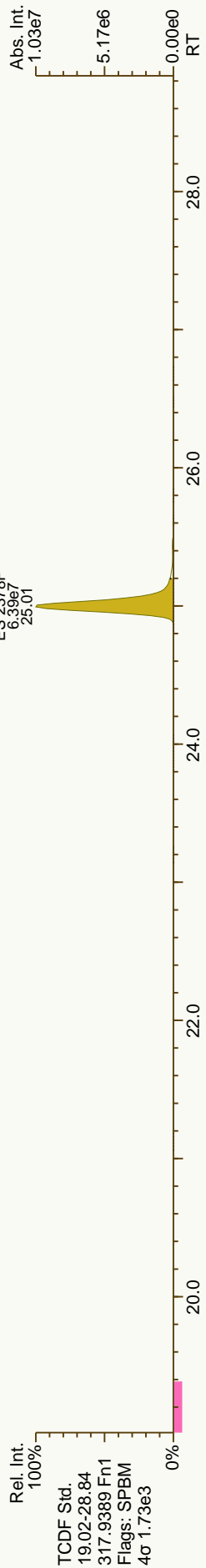
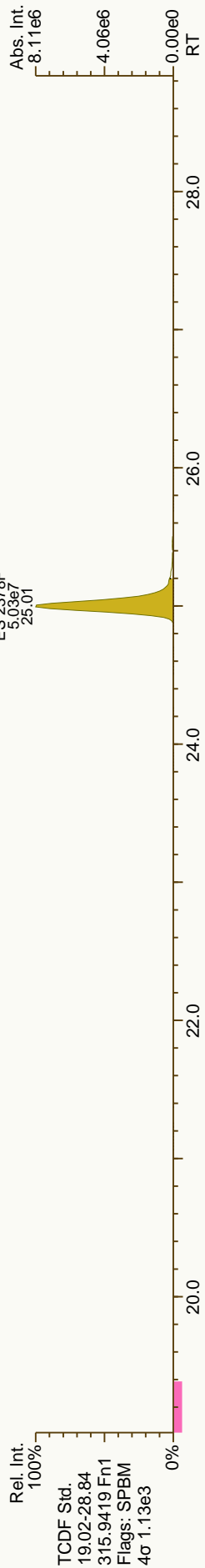
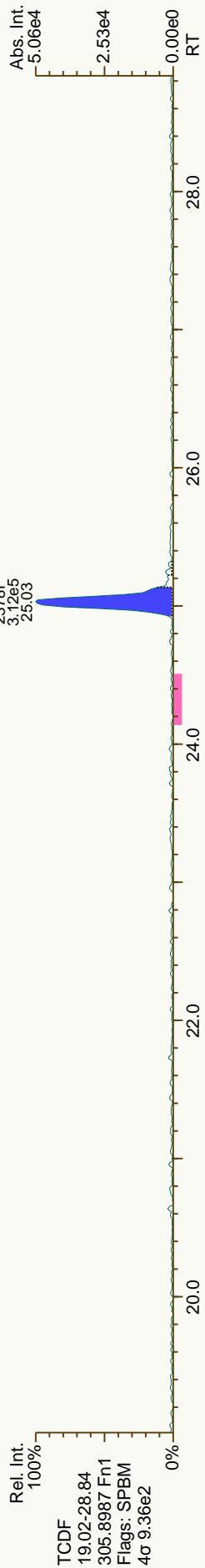
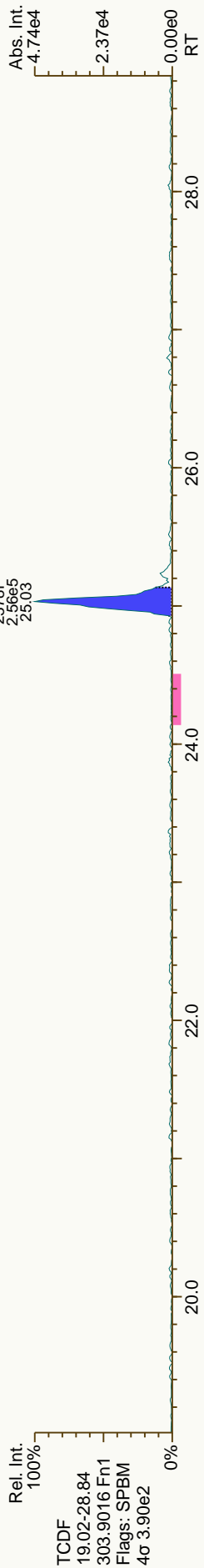


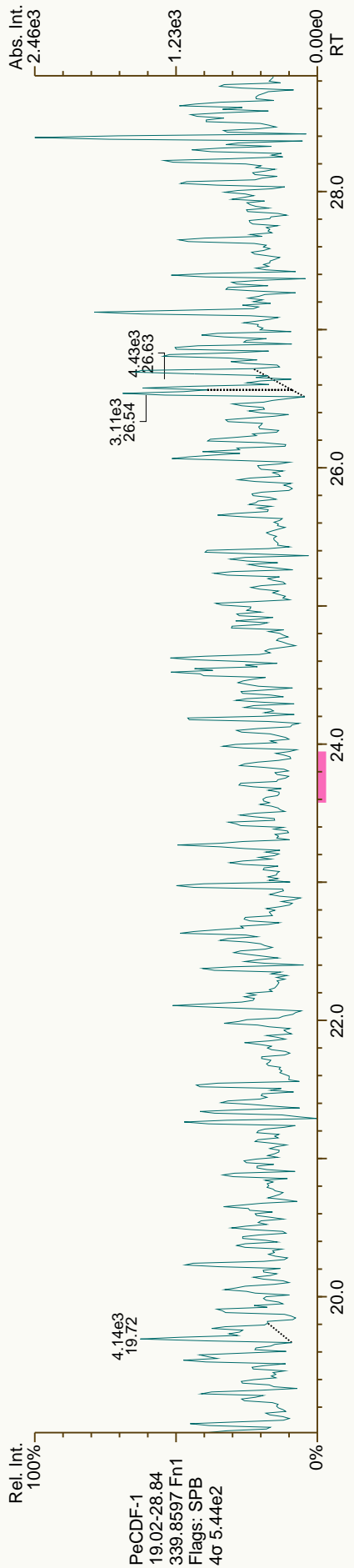




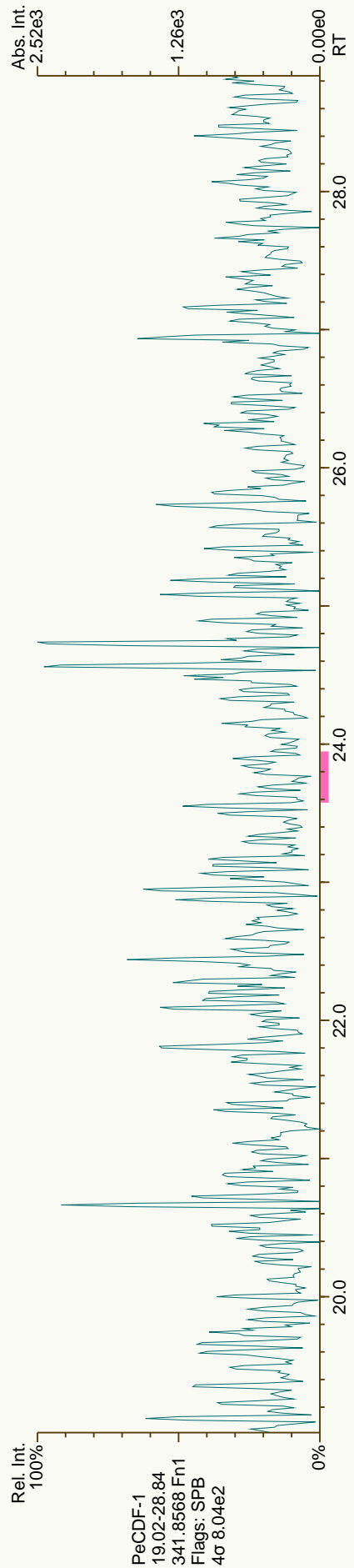




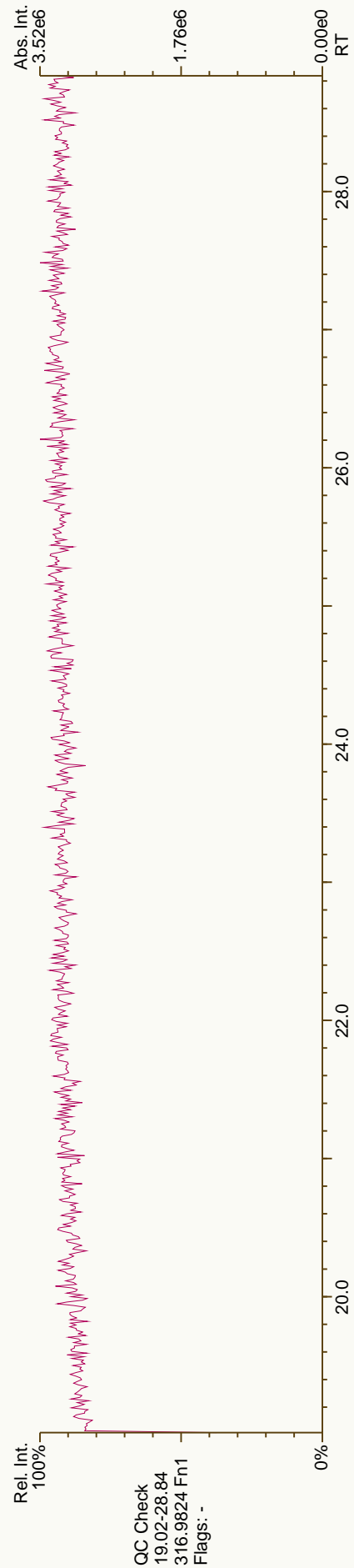




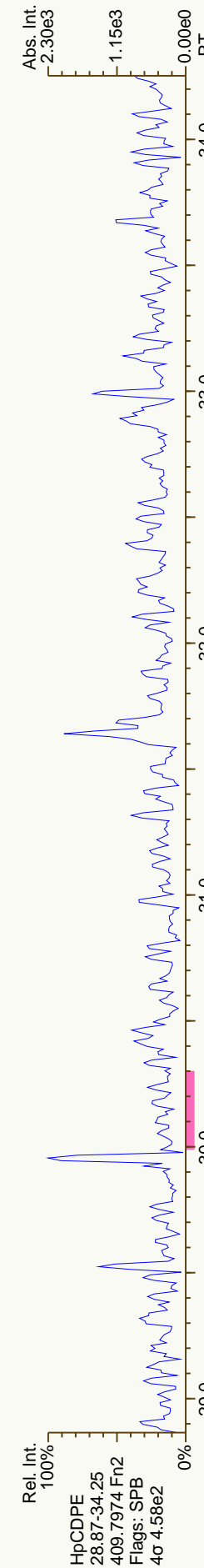
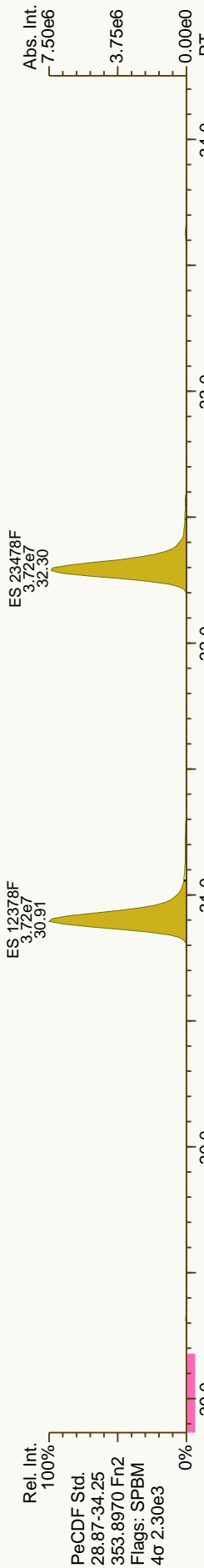
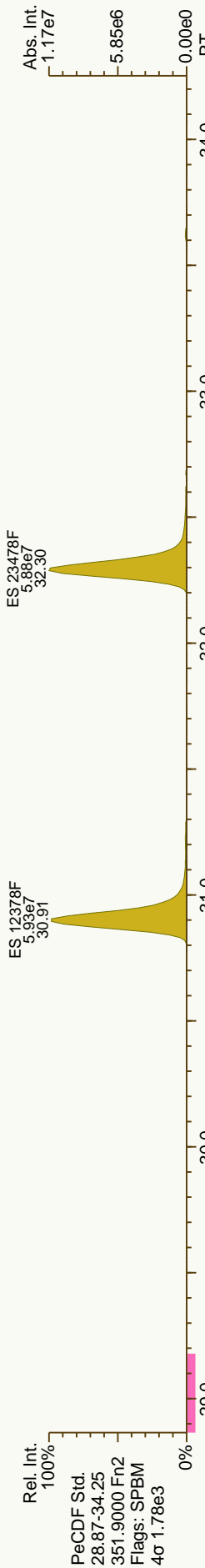
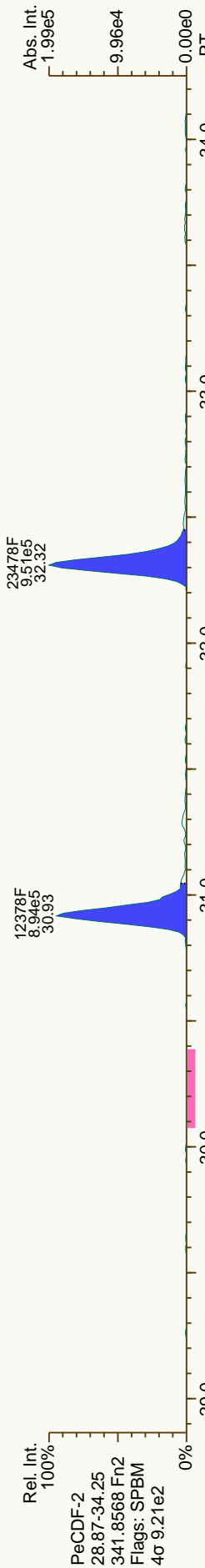
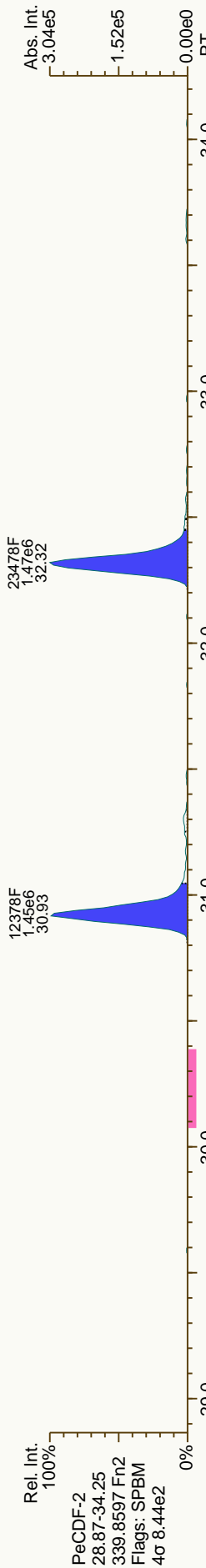
PeCDF-1
 19.02-28.84
 339.8597 Fn1
 Flags: SPB
 4σ 5.44e2

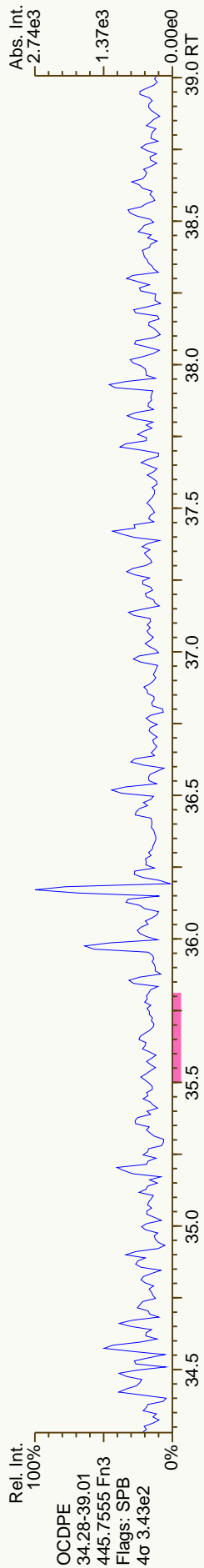
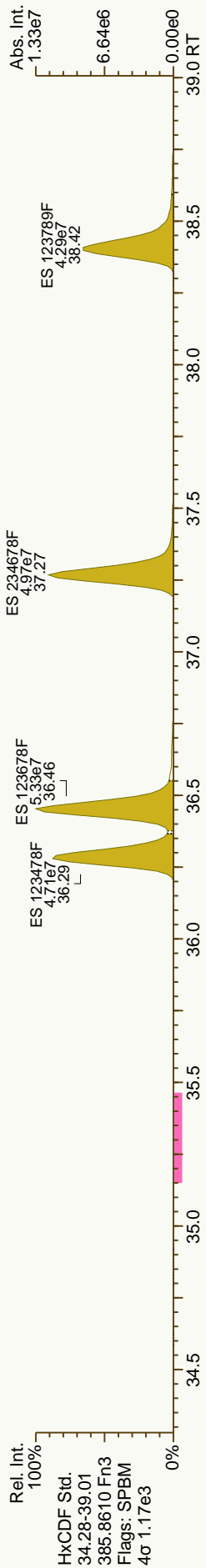
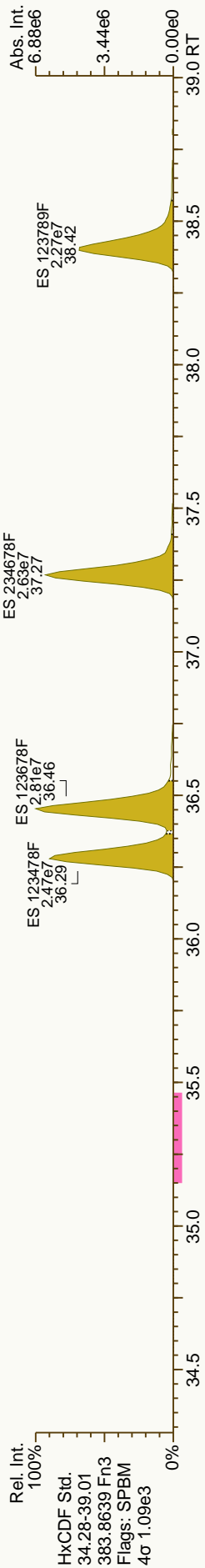
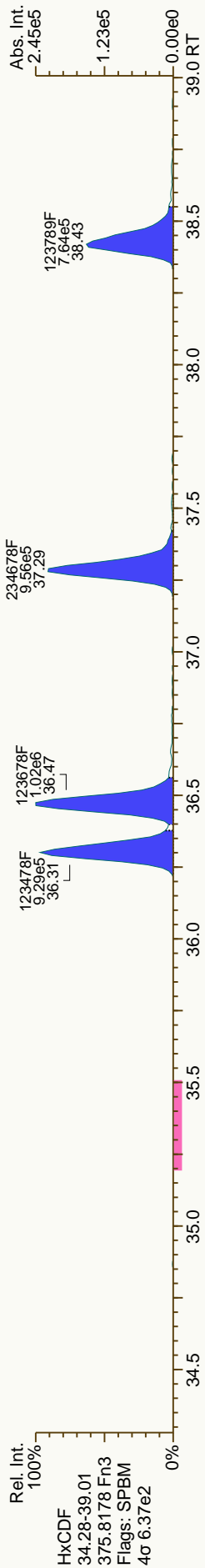
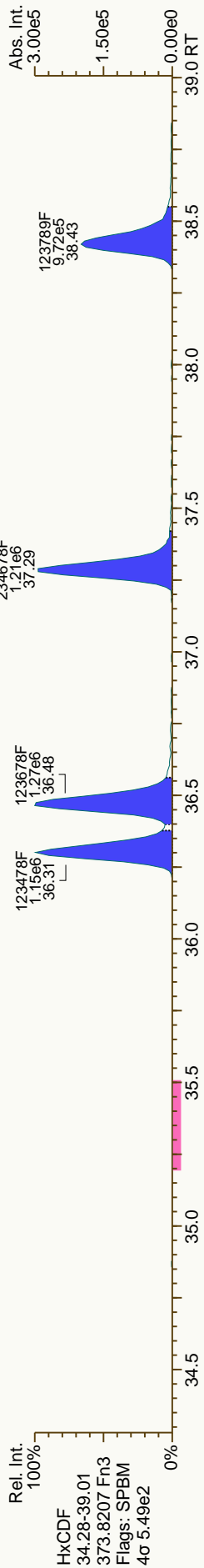


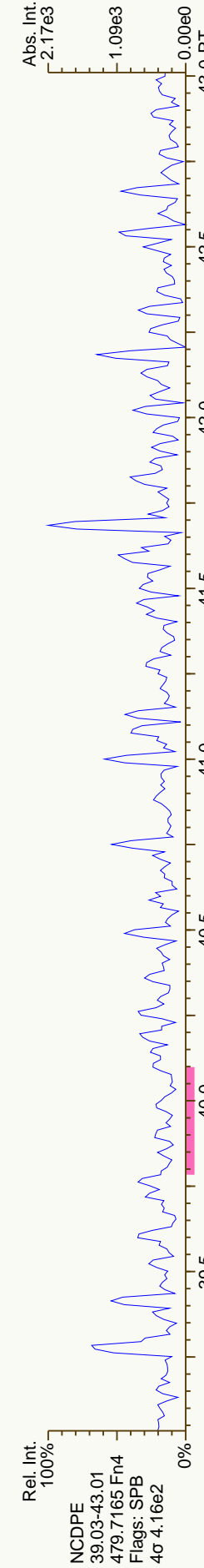
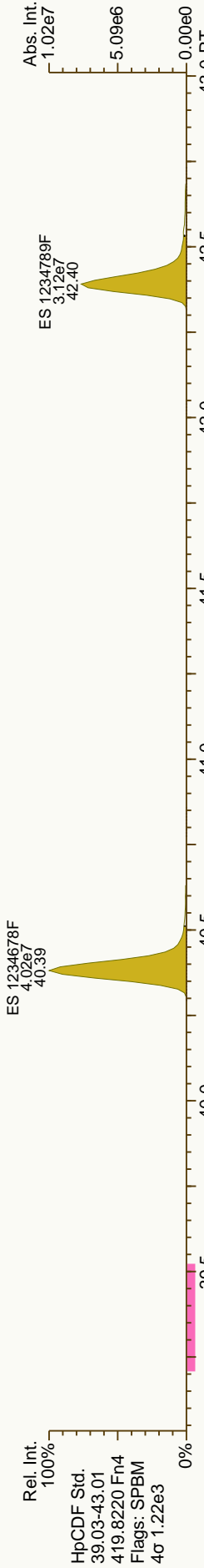
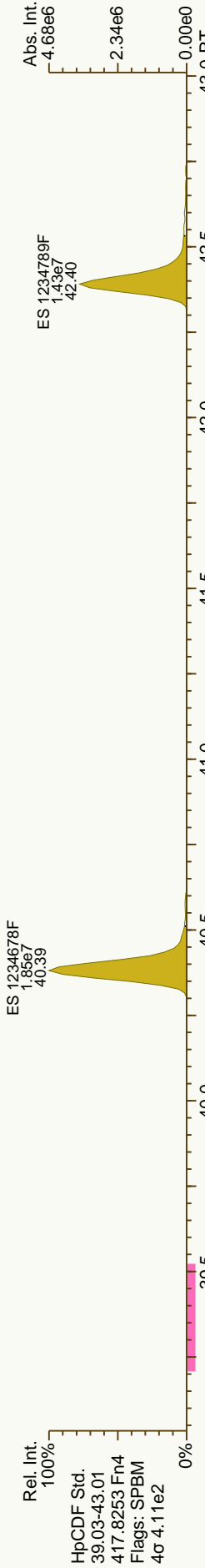
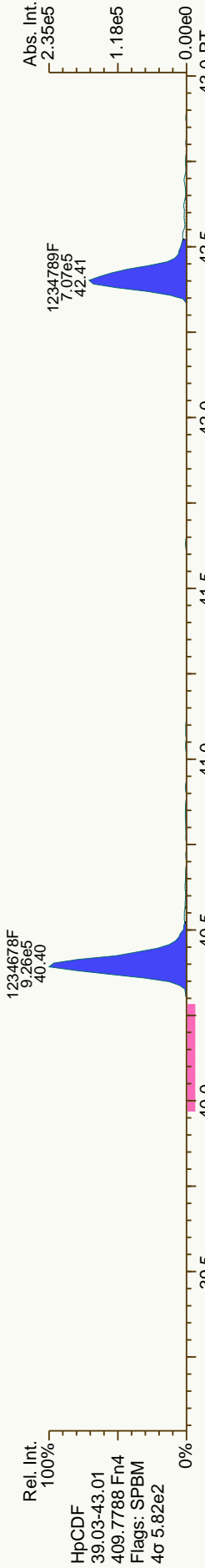
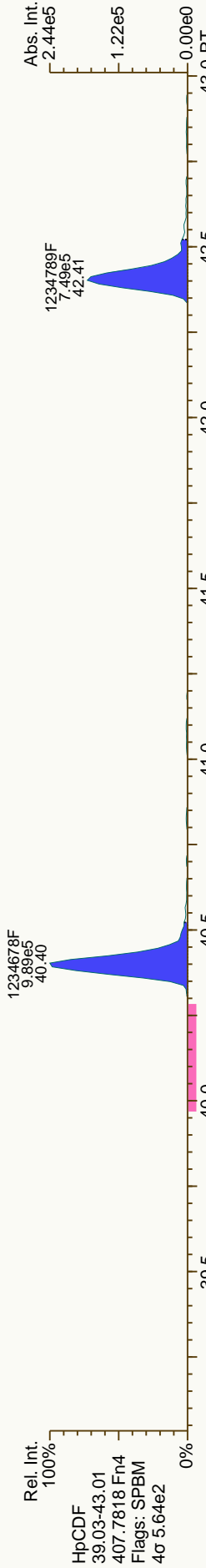
PeCDF-1
 19.02-28.84
 341.8568 Fn1
 Flags: SPB
 4σ 8.04e2

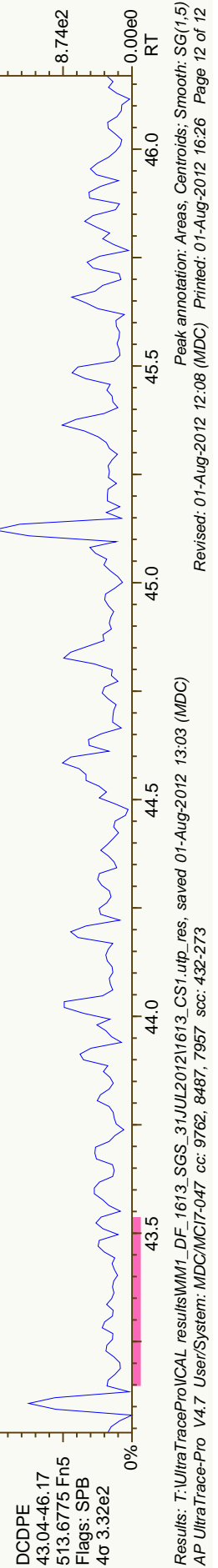
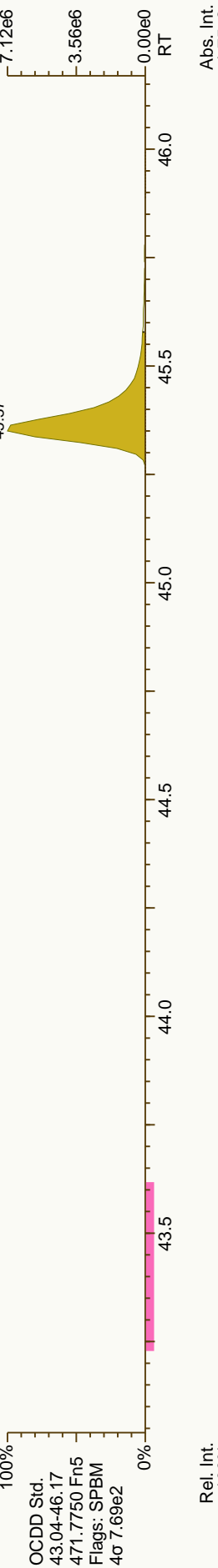
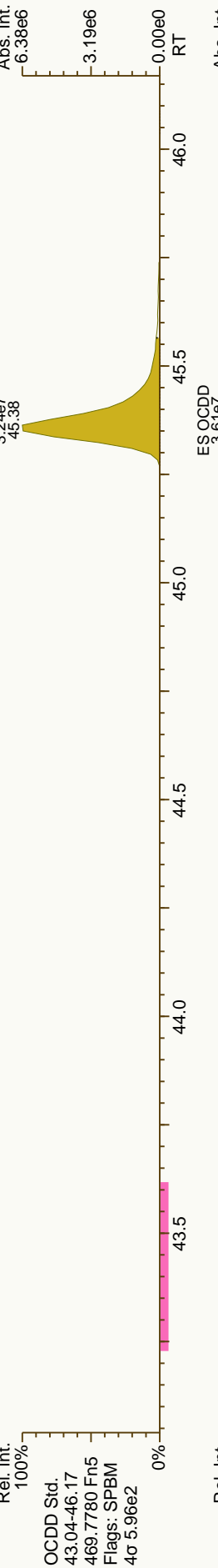
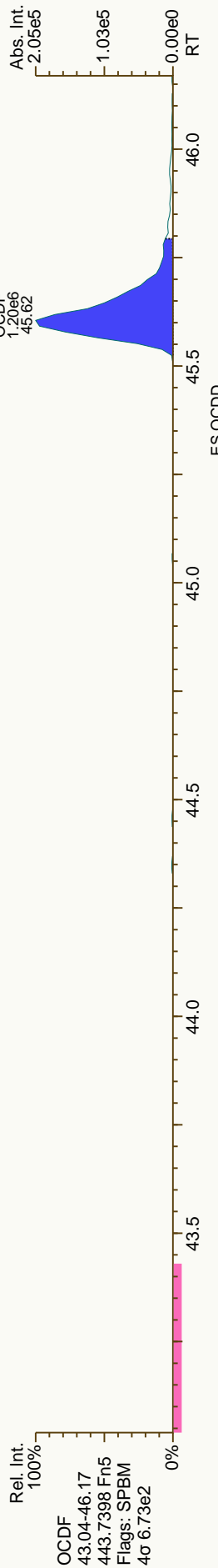
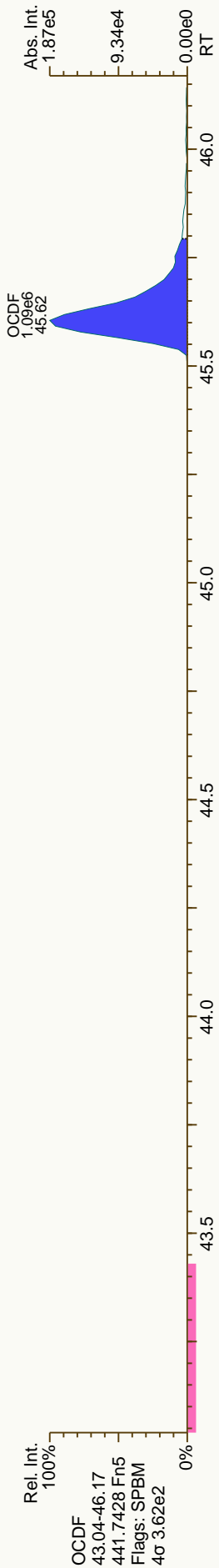


QC Check
 19.02-28.84
 316.9824 Fn1
 Flags: -









Dioxin/Furan QC Summary

Lab ID: 1613_CS2

Sample ID: 1613_CS2

Acq'd: 01 Aug 2012 12:07 MDC

UTP: 01-Aug-2012 13:03 MDC

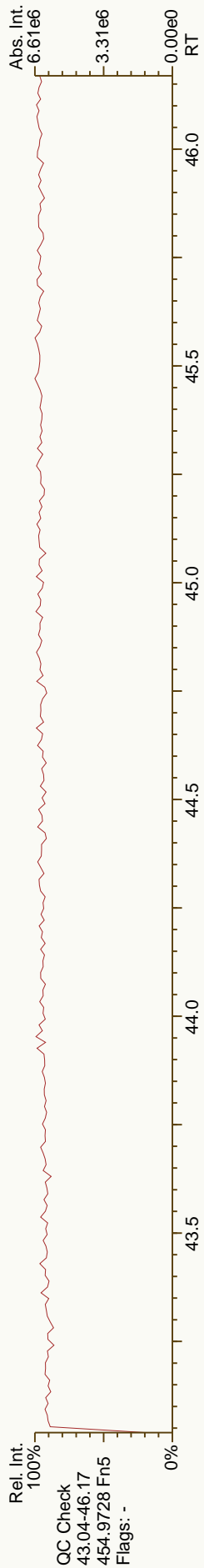
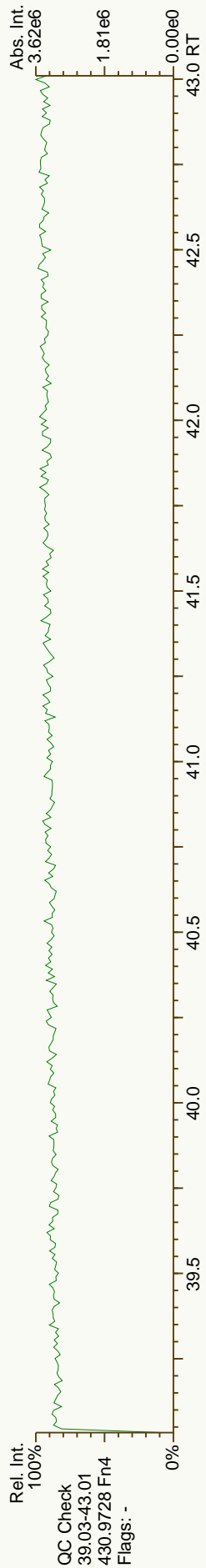
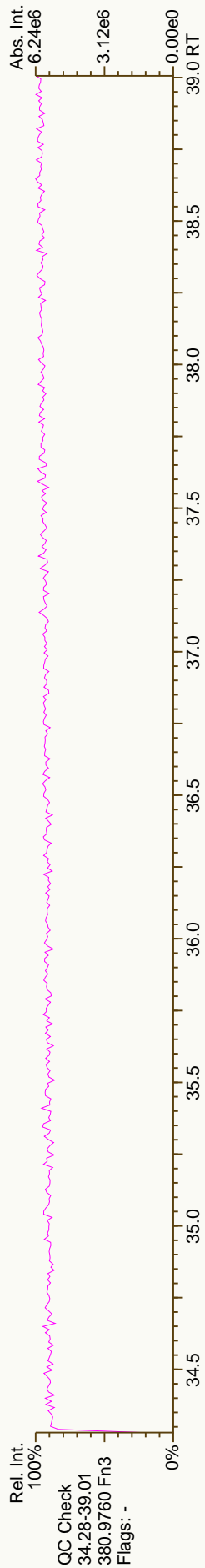
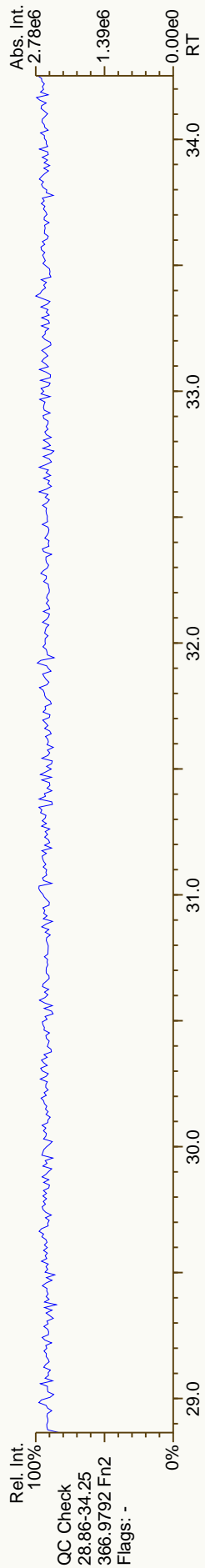
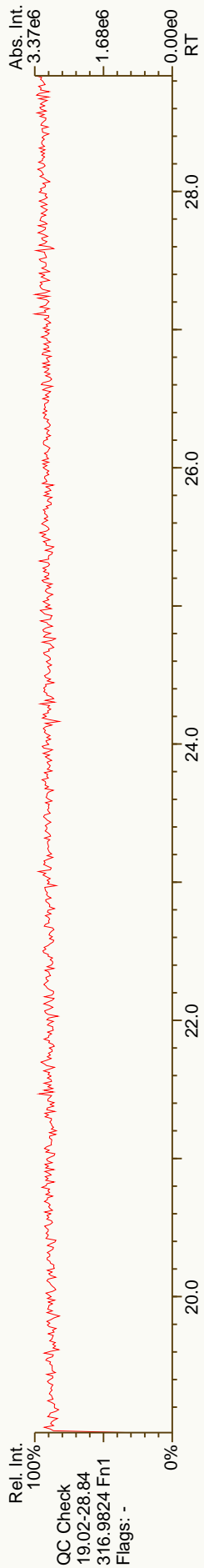
Report: 16 Oct 2012 09:39 MC

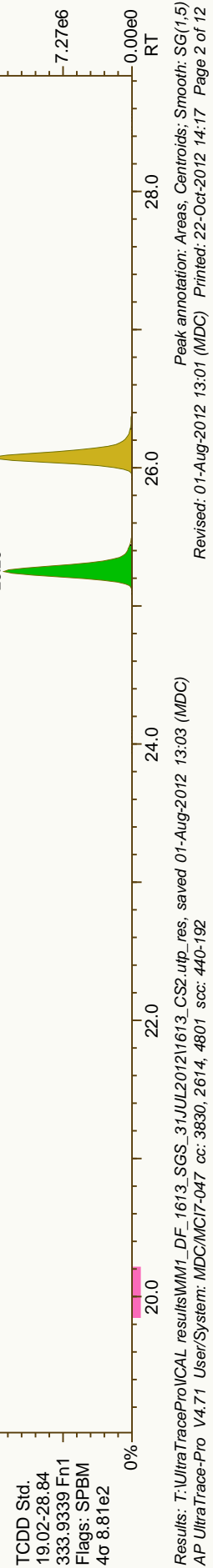
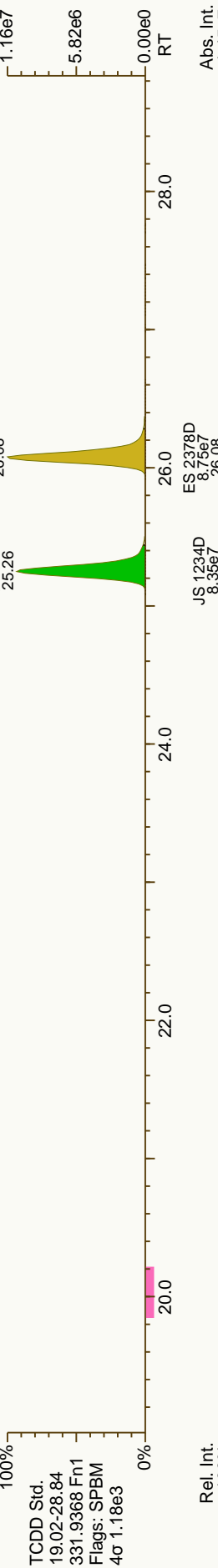
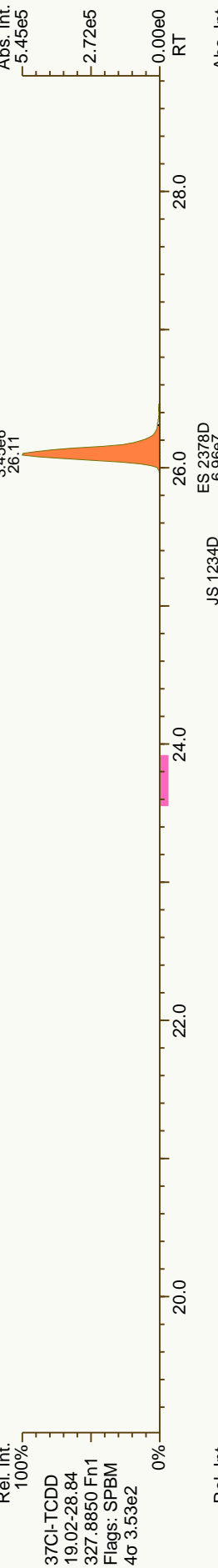
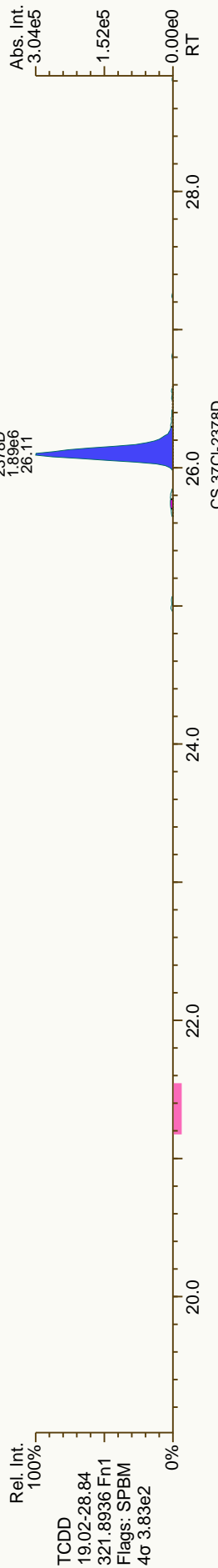
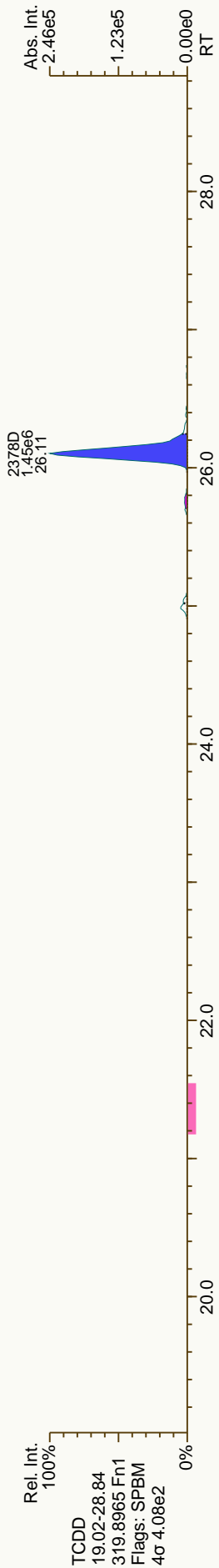
ICAL: 1613_SGS

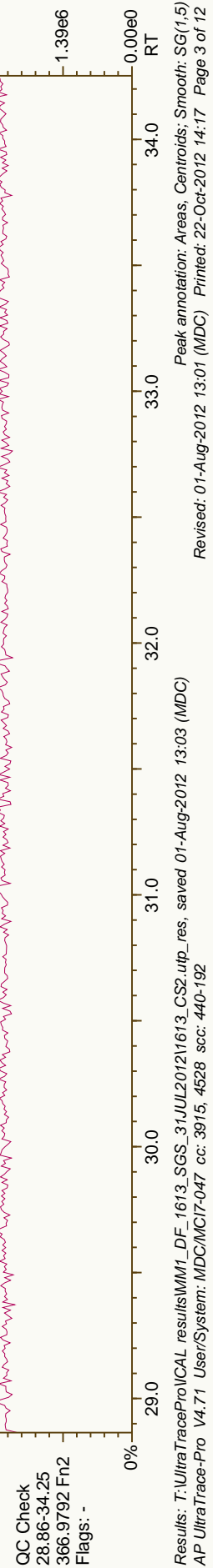
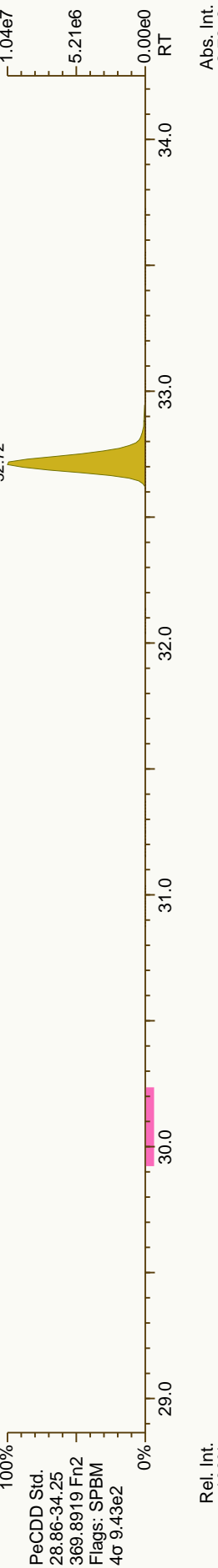
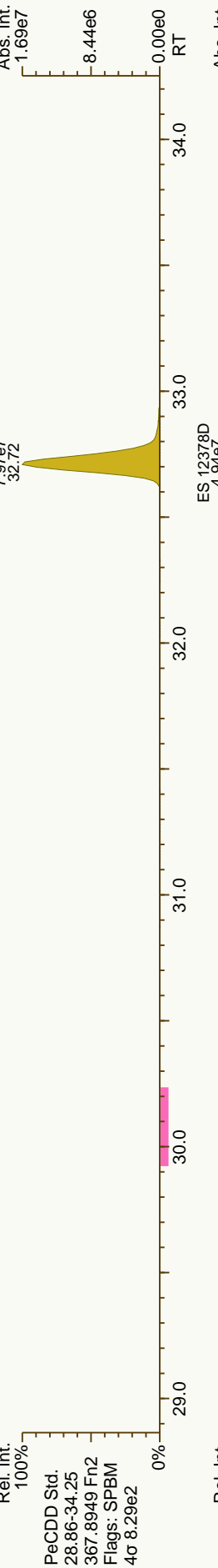
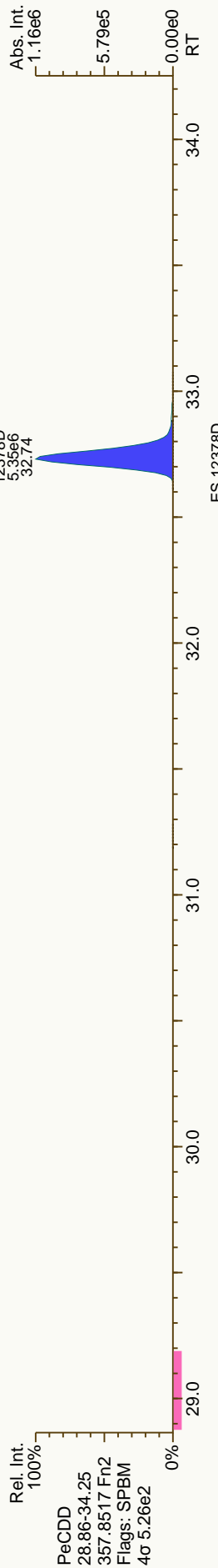
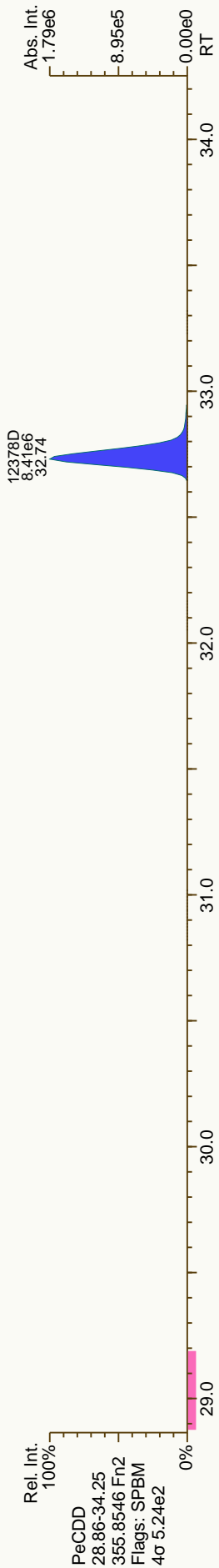
Checkcode: 440-192-YFH

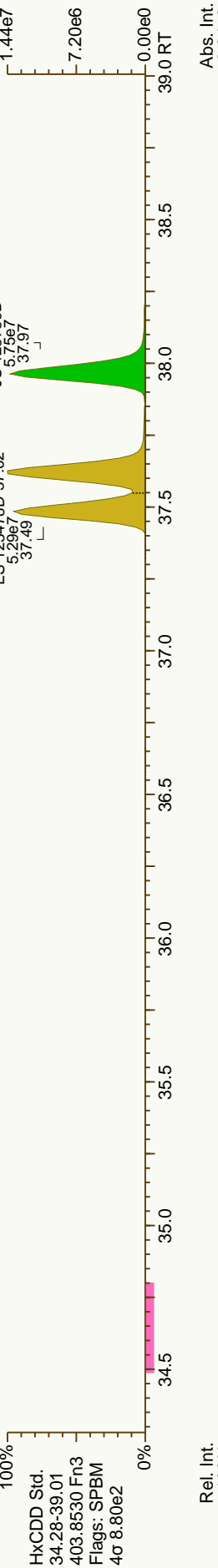
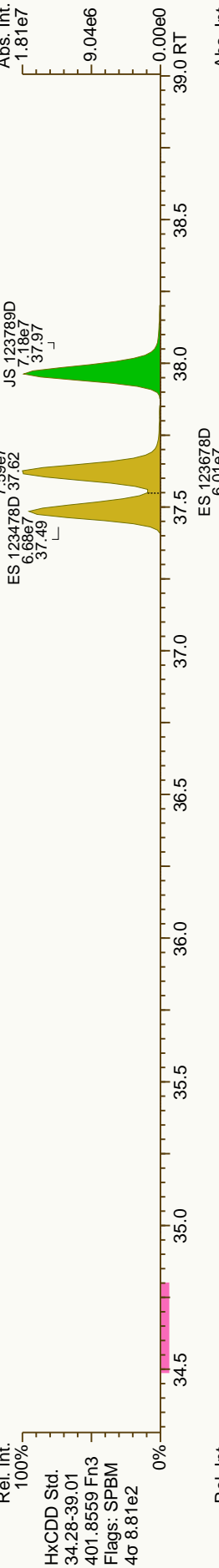
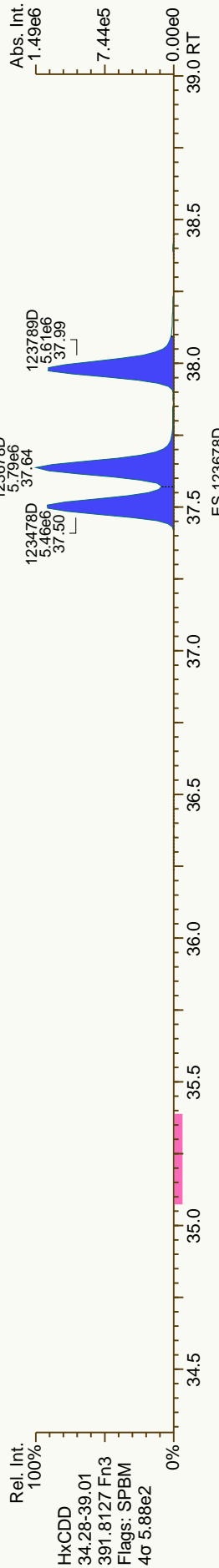
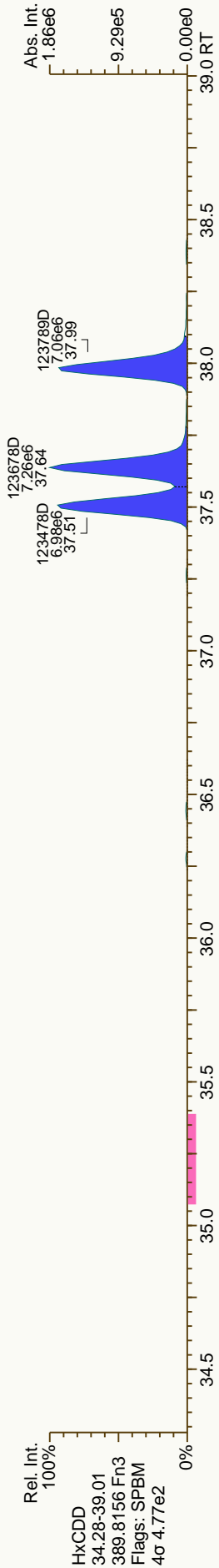
Datafile: 120801P2-03

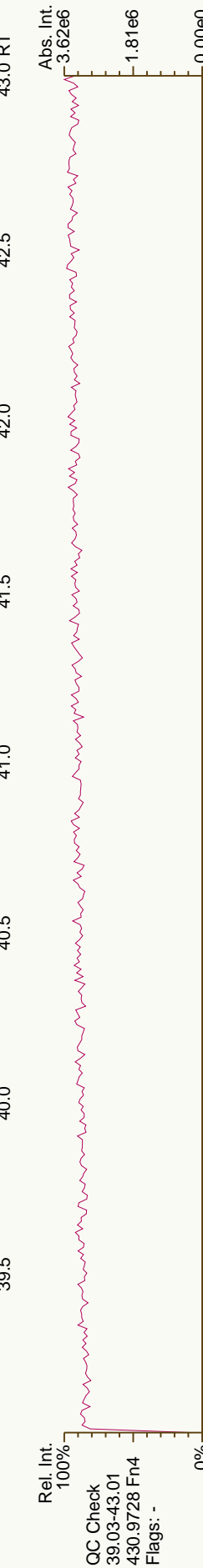
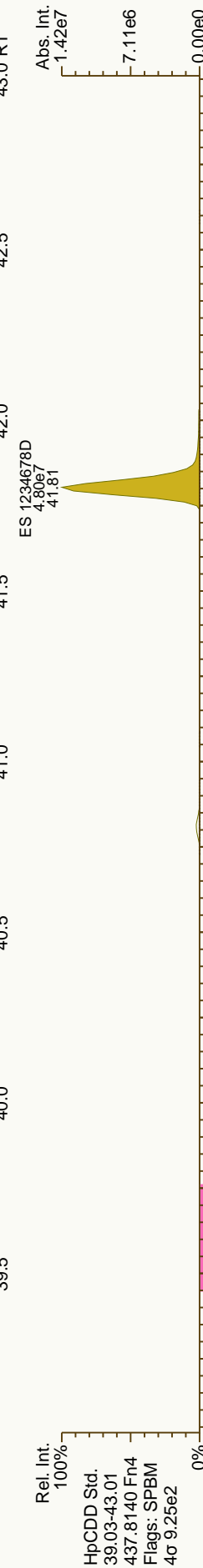
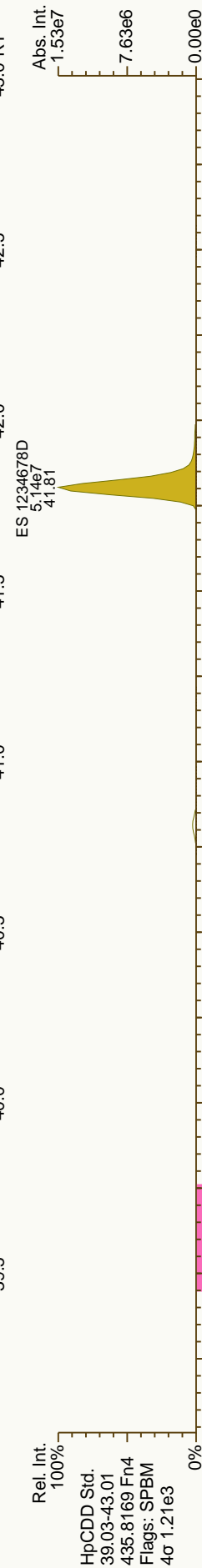
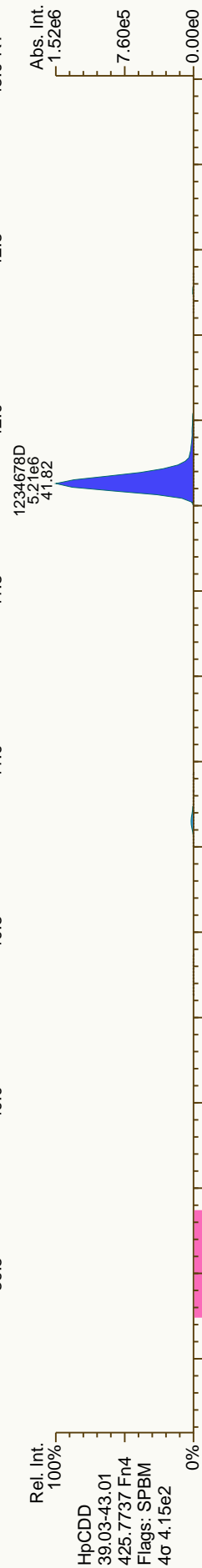
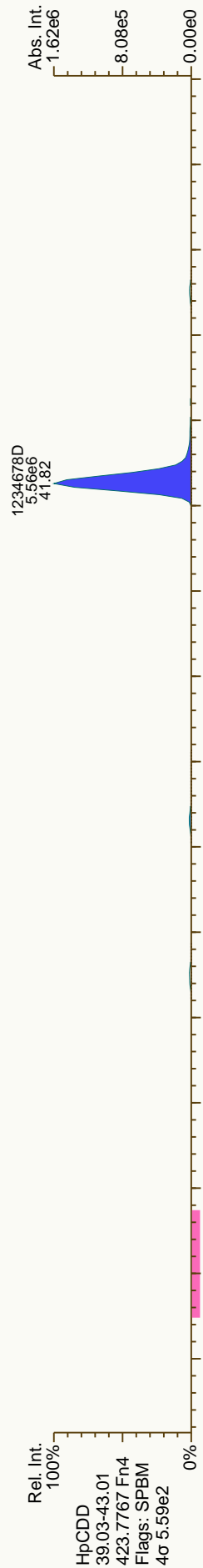
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.11	3.34E+06	0.77	Y	1.08	1.06	-2%
12378-PeCDD	32.74	1.38E+07	1.57	Y	1.07	1.07	-1%
123478-HxCDD	37.51	1.24E+07	1.28	Y	1.05	1.04	-1%
123678-HxCDD	37.64	1.31E+07	1.25	Y	0.98	0.96	-2%
123789-HxCDD	37.99	1.27E+07	1.26	Y	1.01	0.99	-2%
1234678-HpCDD	41.82	1.08E+07	1.07	Y	1.09	1.08	-1%
OCDD	45.37	1.64E+07	0.90	Y	1.11	1.12	1%
2378-TCDF	25.04	5.06E+06	0.79	Y	0.98	0.95	-3%
12378-PeCDF	30.93	2.22E+07	1.57	Y	0.99	0.98	0%
23478-PeCDF	32.31	2.25E+07	1.57	Y	1.02	1.01	0%
123478-HxCDF	36.30	1.93E+07	1.25	Y	1.19	1.20	1%
123678-HxCDF	36.47	2.05E+07	1.24	Y	1.16	1.16	1%
234678-HxCDF	37.28	2.01E+07	1.25	Y	1.18	1.15	-2%
123789-HxCDF	38.42	1.66E+07	1.26	Y	1.09	1.09	0%
1234678-HpCDF	40.39	1.82E+07	1.04	Y	1.35	1.36	1%
1234789-HpCDF	42.40	1.37E+07	1.03	Y	1.34	1.33	-1%
OCDF	45.60	1.98E+07	0.91	Y	1.40	1.35	-3%
ES 2378-TCDD	26.08	1.57E+08	0.80	Y	1.04	1.04	0%
ES 12378-PeCDD	32.72	1.29E+08	1.61	Y	0.87	0.86	-1%
ES 123478-HxCDD	37.49	1.20E+08	1.26	Y	0.94	0.93	-2%
ES 123678-HxCDD	37.62	1.36E+08	1.26	Y	1.06	1.05	-1%
ES 1234678-HpCDD	41.81	9.95E+07	1.07	Y	0.80	0.77	-4%
ES OCDD	45.36	1.47E+08	0.91	Y	0.63	0.57	-10%
ES 2378-TCDF	25.01	2.66E+08	0.80	Y	1.74	1.77	2%
ES 12378-PeCDF	30.91	2.26E+08	1.58	Y	1.49	1.50	0%
ES 23478-PeCDF	32.29	2.23E+08	1.59	Y	1.48	1.47	-1%
ES 123478-HxCDF	36.28	1.60E+08	0.53	Y	1.27	1.24	-3%
ES 123678-HxCDF	36.45	1.76E+08	0.54	Y	1.41	1.36	-4%
ES 234678-HxCDF	37.26	1.75E+08	0.53	Y	1.34	1.35	0%
ES 123789-HxCDF	38.40	1.53E+08	0.53	Y	1.20	1.18	-2%
ES 1234678-HpCDF	40.38	1.34E+08	0.45	Y	1.06	1.03	-2%
ES 1234789-HpCDF	42.38	1.03E+08	0.45	Y	0.82	0.80	-3%

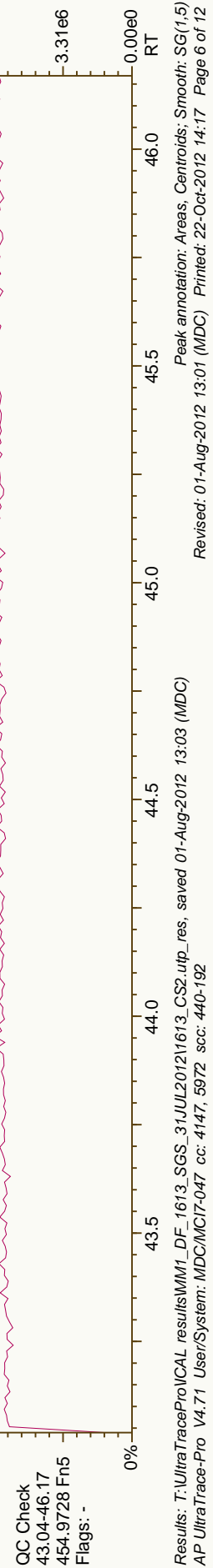
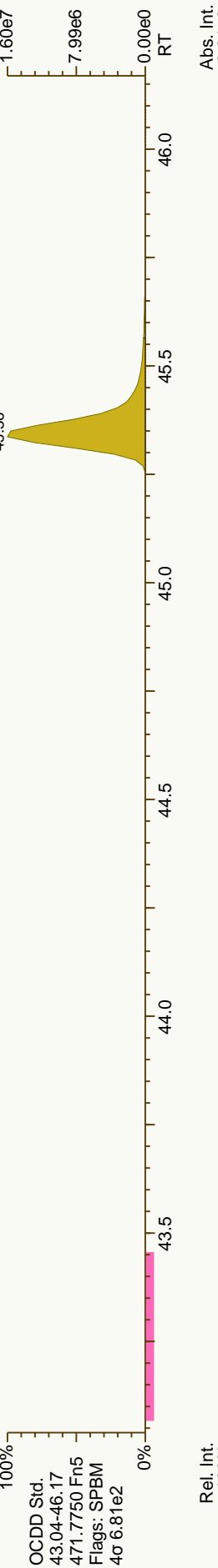
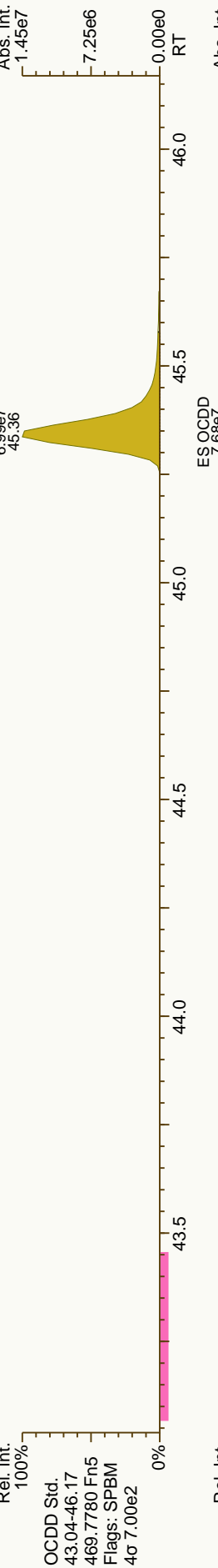
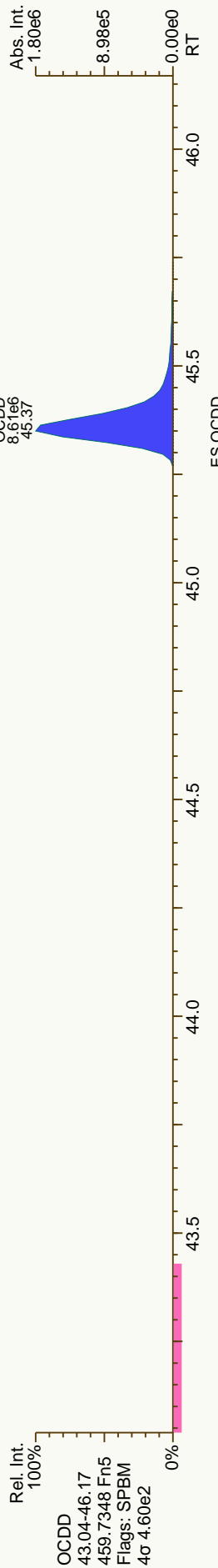
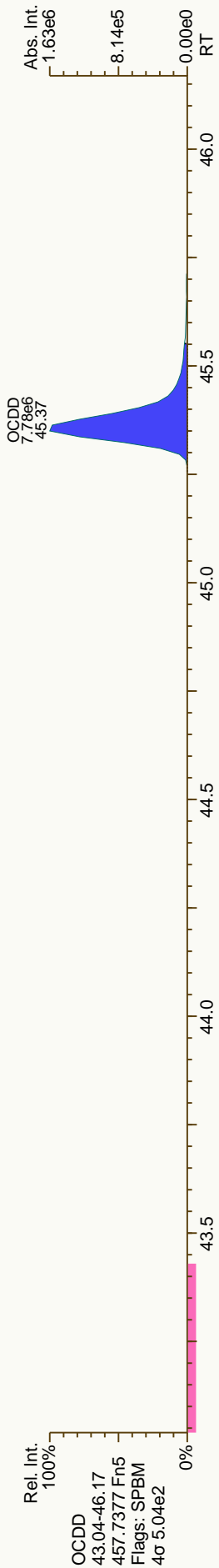


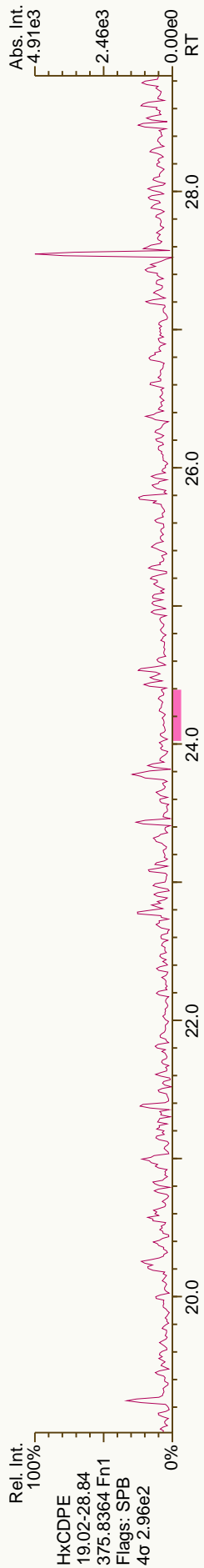
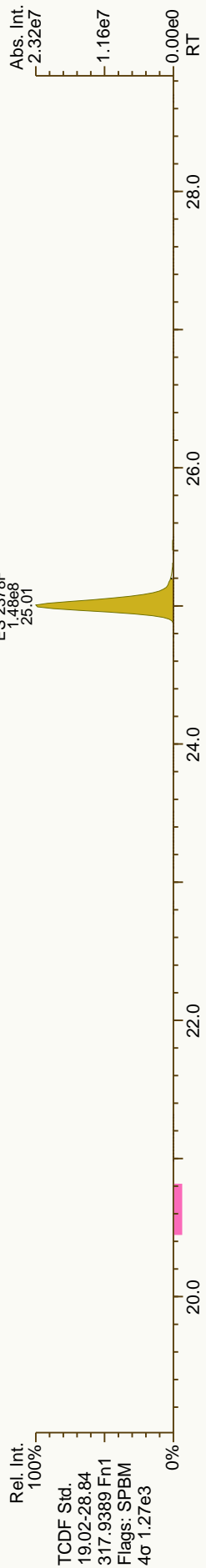
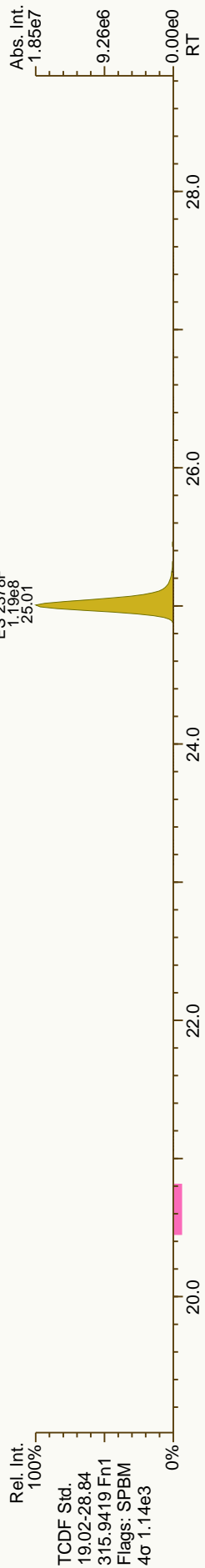
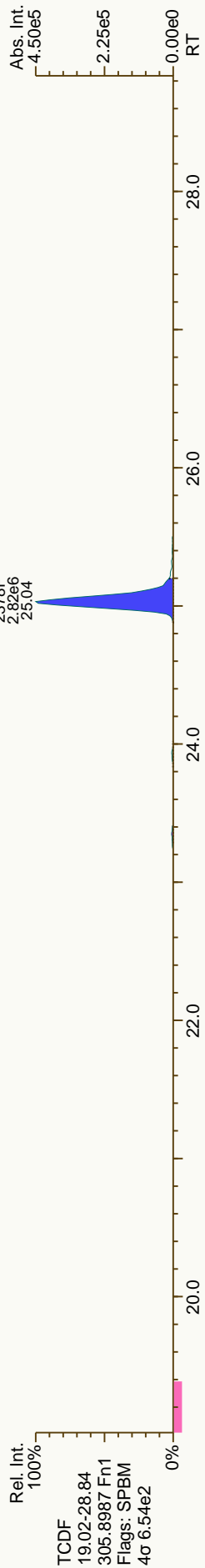
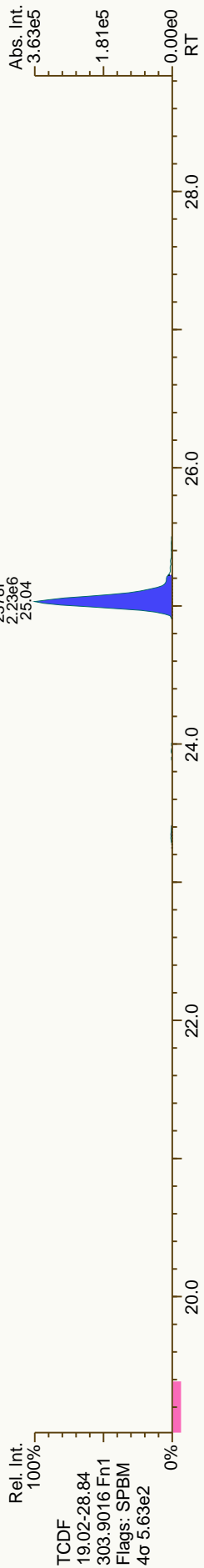


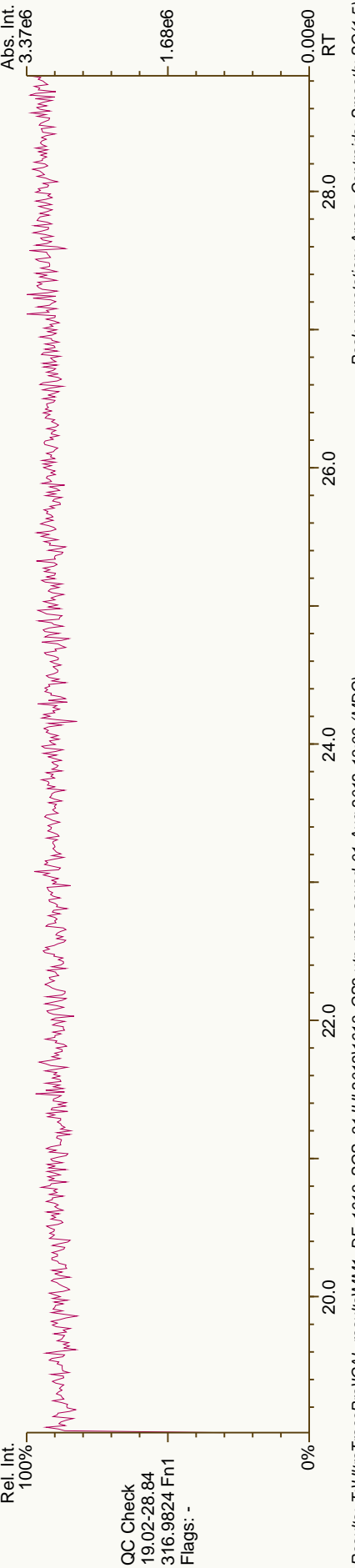
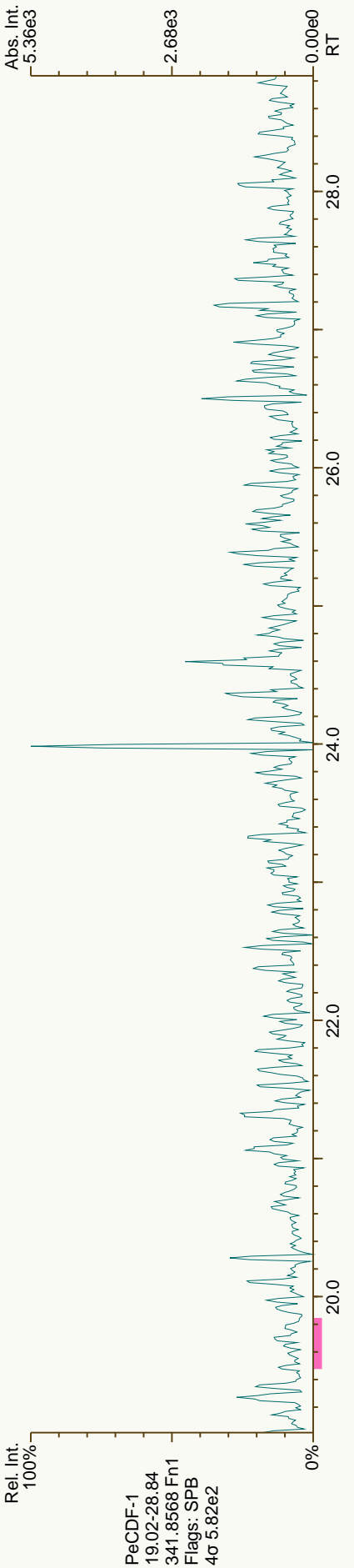
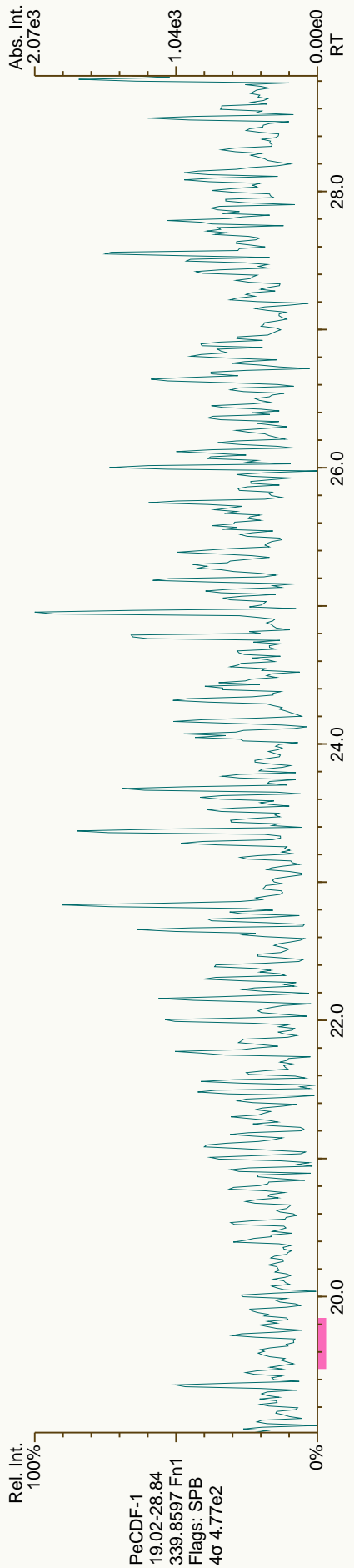


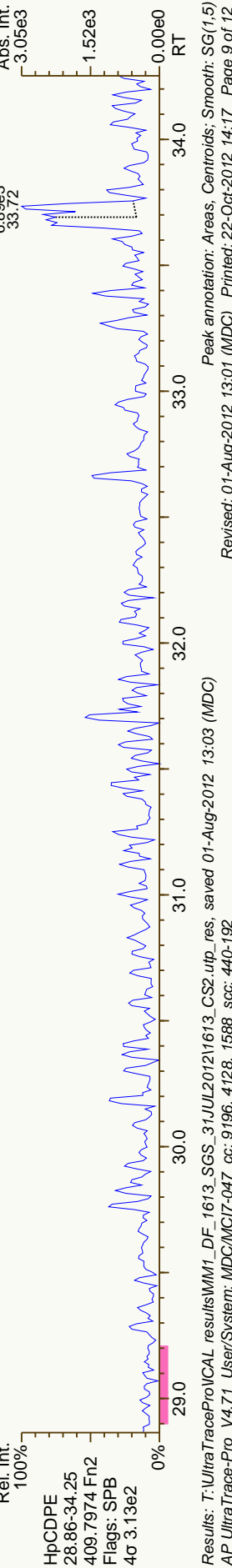
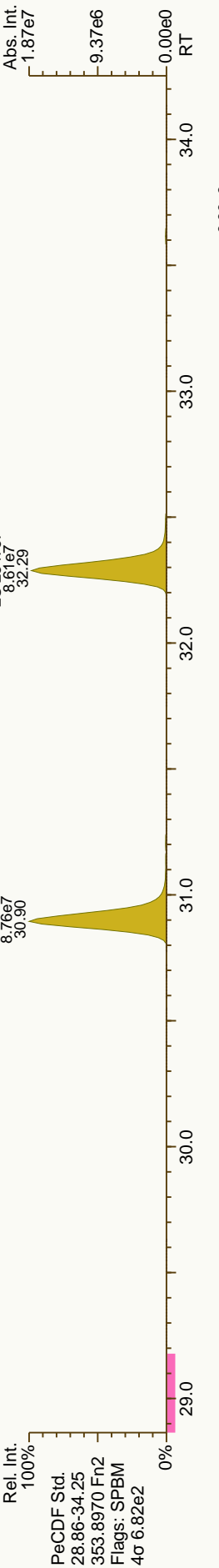
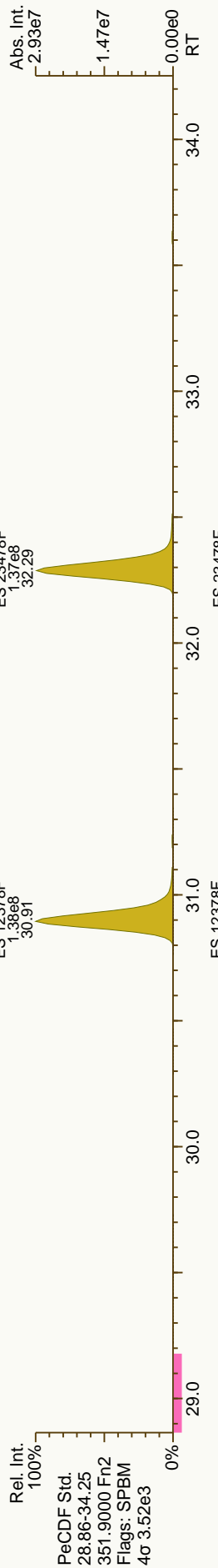
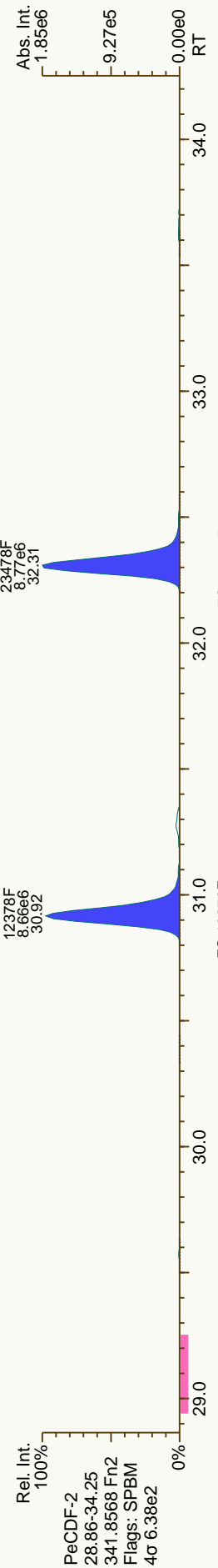
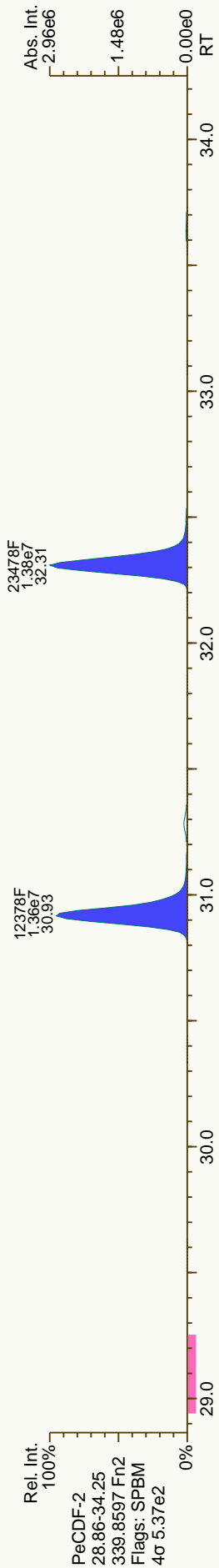


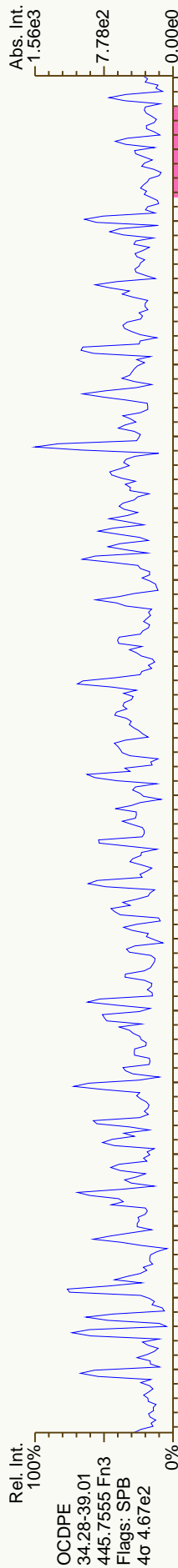
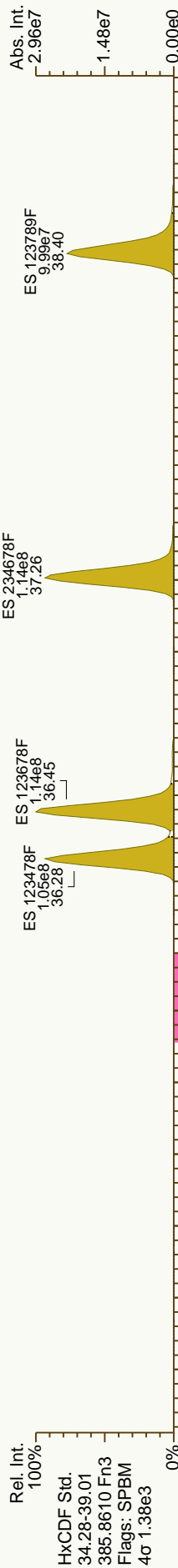
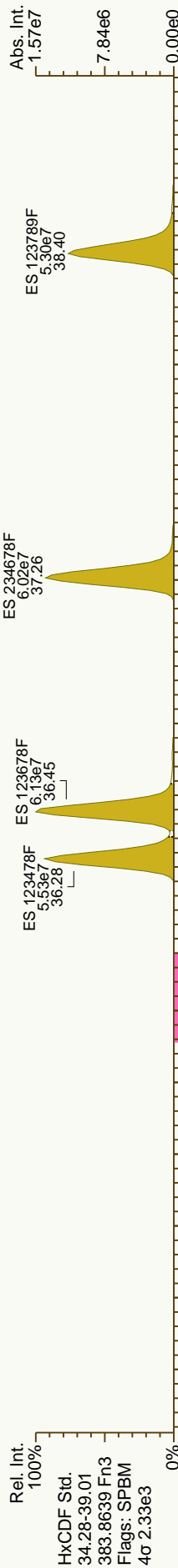
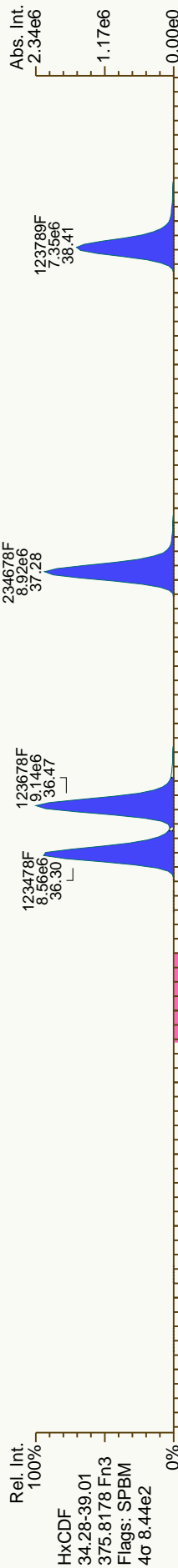
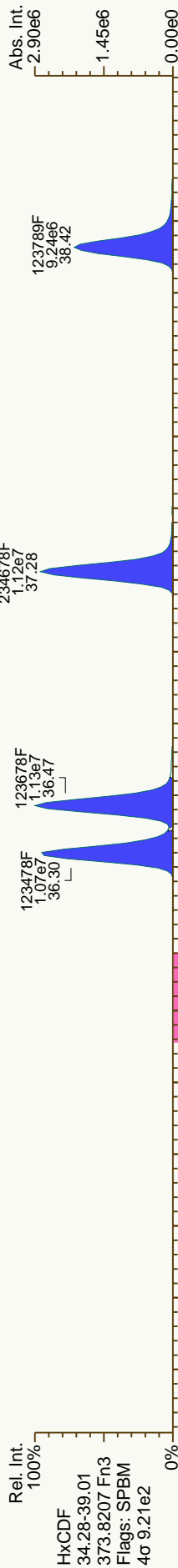


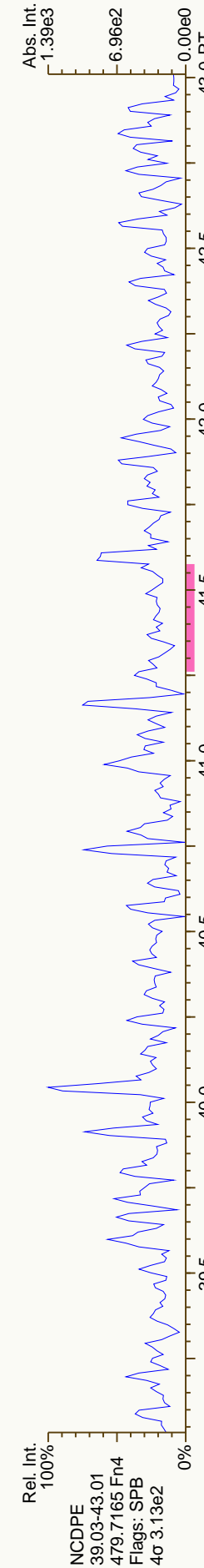
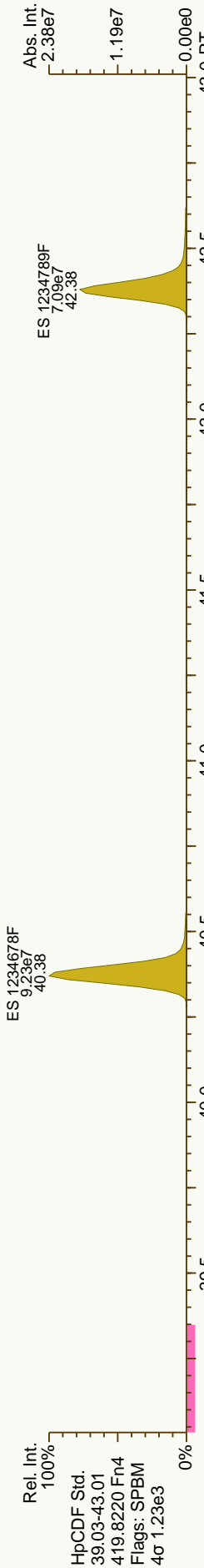
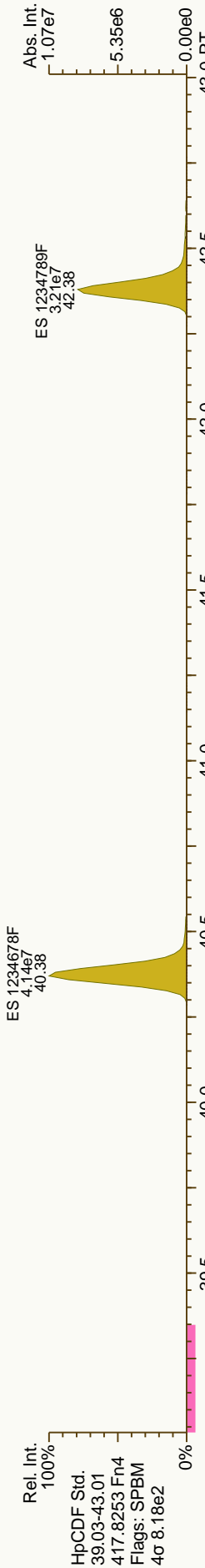
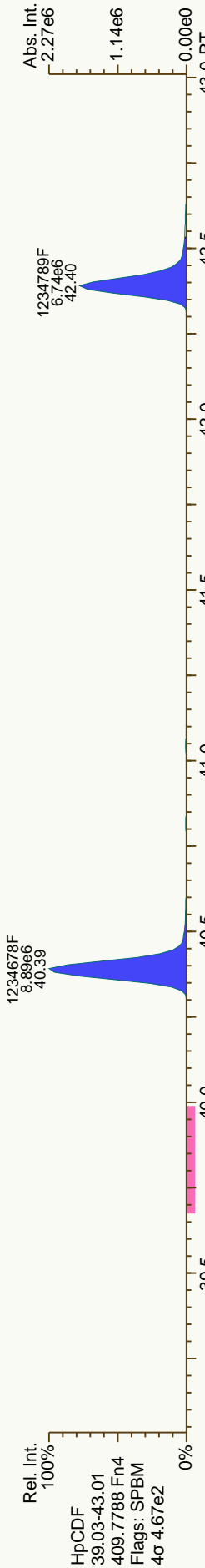
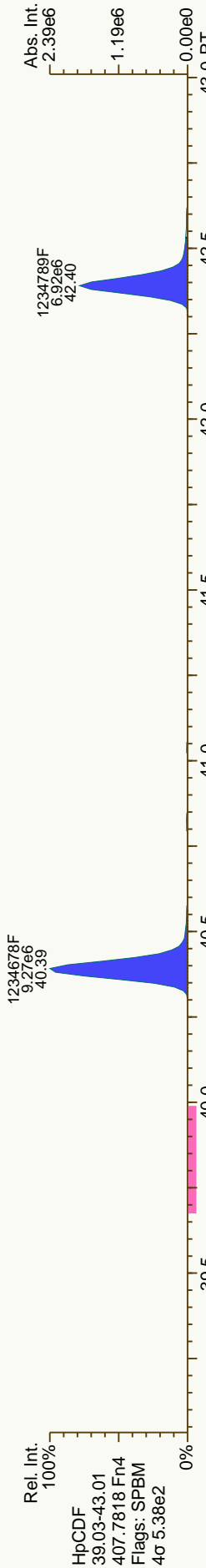


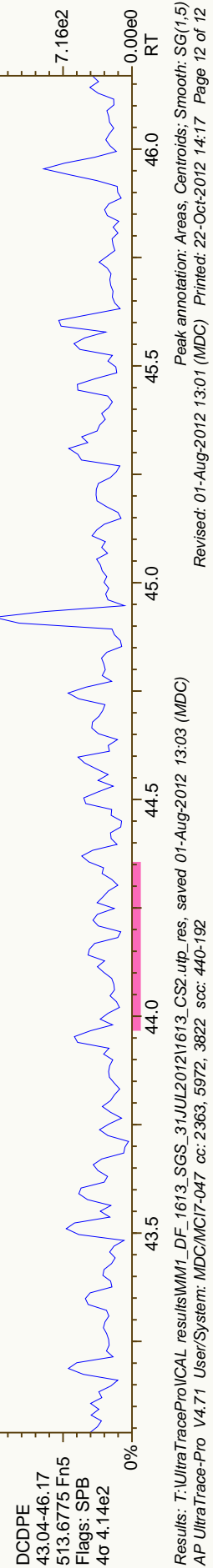
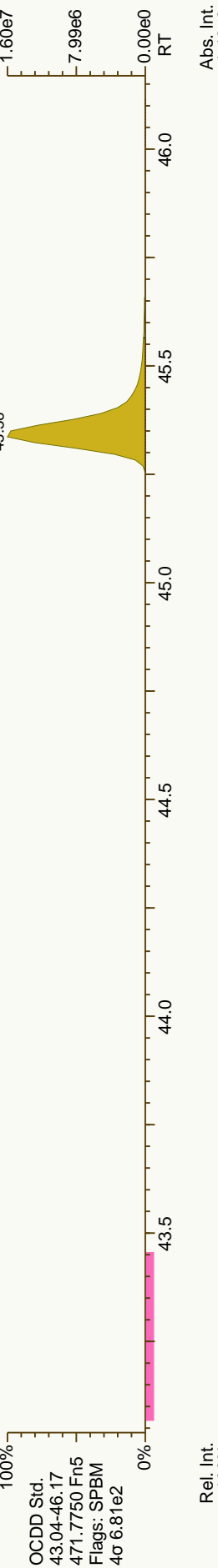
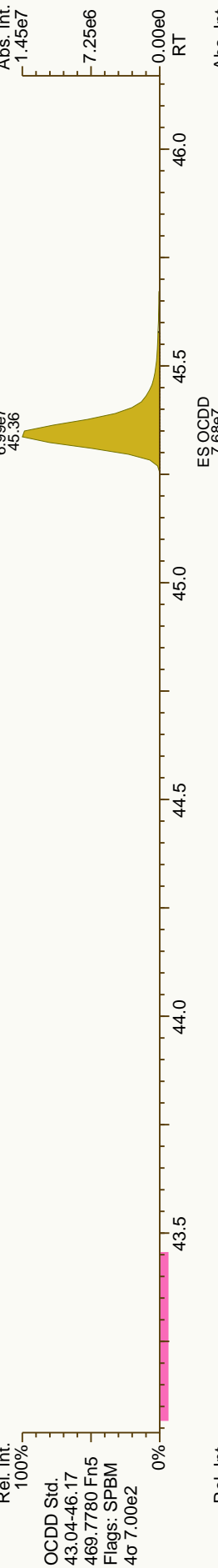
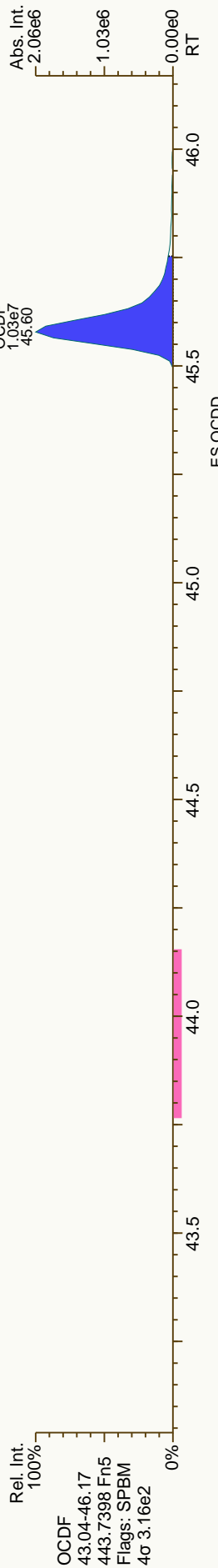
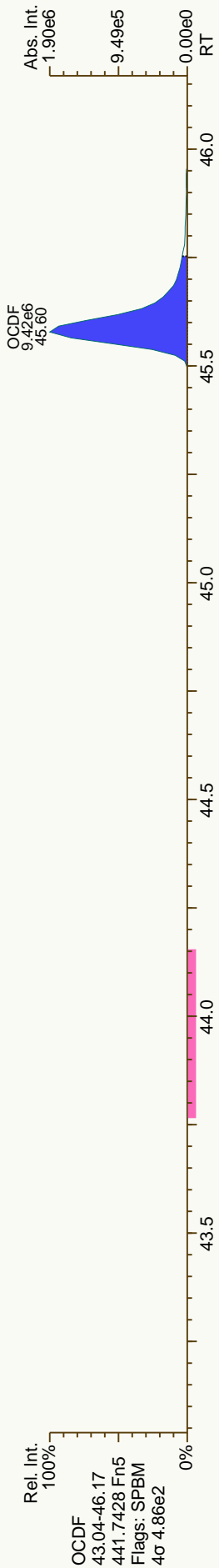












Dioxin/Furan QC Summary

Lab ID: 1613_CS3

Sample ID: 1613_CS3

Acq'd: 01 Aug 2012 12:57 MDC

UTP: 01-Aug-2012 13:57 MDC

Report: 16 Oct 2012 09:39 MC

ICAL: 1613_SGS

Checkcode: 279-058-LGJ

Datafile: 120801P2-04

Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.10	6.54E+06	0.80	Y	1.08	1.07	-2%
12378-PeCDD	32.74	2.58E+07	1.58	Y	1.07	1.07	-1%
123478-HxCDD	37.50	2.36E+07	1.26	Y	1.05	1.05	0%
123678-HxCDD	37.64	2.52E+07	1.24	Y	0.98	0.97	-1%
123789-HxCDD	37.99	2.40E+07	1.27	Y	1.01	0.99	-2%
1234678-HpCDD	41.82	1.97E+07	1.05	Y	1.09	1.08	-1%
OCDD	45.37	3.11E+07	0.90	Y	1.11	1.08	-3%
2378-TCDF	25.03	9.73E+06	0.81	Y	0.98	1.00	2%
12378-PeCDF	30.92	4.15E+07	1.59	Y	0.99	1.00	1%
23478-PeCDF	32.31	4.28E+07	1.58	Y	1.02	1.03	1%
123478-HxCDF	36.30	3.60E+07	1.25	Y	1.19	1.19	0%
123678-HxCDF	36.46	3.89E+07	1.26	Y	1.16	1.14	-1%
234678-HxCDF	37.28	3.79E+07	1.25	Y	1.18	1.25	6%
123789-HxCDF	38.42	3.02E+07	1.28	Y	1.09	1.08	-1%
1234678-HpCDF	40.39	3.37E+07	1.04	Y	1.35	1.37	2%
1234789-HpCDF	42.40	2.50E+07	1.04	Y	1.34	1.34	1%
OCDF	45.60	3.92E+07	0.89	Y	1.40	1.36	-3%
ES 2378-TCDD	26.07	6.13E+07	0.80	Y	1.04	1.04	0%
ES 12378-PeCDD	32.72	4.85E+07	1.58	Y	0.87	0.82	-5%
ES 123478-HxCDD	37.48	4.48E+07	1.30	Y	0.94	0.95	1%
ES 123678-HxCDD	37.62	5.18E+07	1.26	Y	1.06	1.10	3%
ES 1234678-HpCDD	41.81	3.67E+07	1.04	Y	0.80	0.77	-3%
ES OCDD	45.36	5.79E+07	0.91	Y	0.63	0.61	-3%
ES 2378-TCDF	25.00	9.75E+07	0.79	Y	1.74	1.65	-5%
ES 12378-PeCDF	30.90	8.32E+07	1.61	Y	1.49	1.41	-6%
ES 23478-PeCDF	32.29	8.30E+07	1.58	Y	1.48	1.41	-5%
ES 123478-HxCDF	36.28	6.08E+07	0.52	Y	1.27	1.28	1%
ES 123678-HxCDF	36.45	6.79E+07	0.53	Y	1.41	1.43	2%
ES 234678-HxCDF	37.26	6.08E+07	0.53	Y	1.34	1.29	-4%
ES 123789-HxCDF	38.40	5.59E+07	0.53	Y	1.20	1.18	-2%
ES 1234678-HpCDF	40.37	4.92E+07	0.44	Y	1.06	1.04	-2%
ES 1234789-HpCDF	42.39	3.72E+07	0.46	Y	0.82	0.79	-4%

Dioxin/Furan QC Summary

Lab ID: 1613_CS3

Sample ID: 1613_CS3

Acq'd: 01 Aug 2012 12:57 MDC

UTP: 01-Aug-2012 13:57 MDC

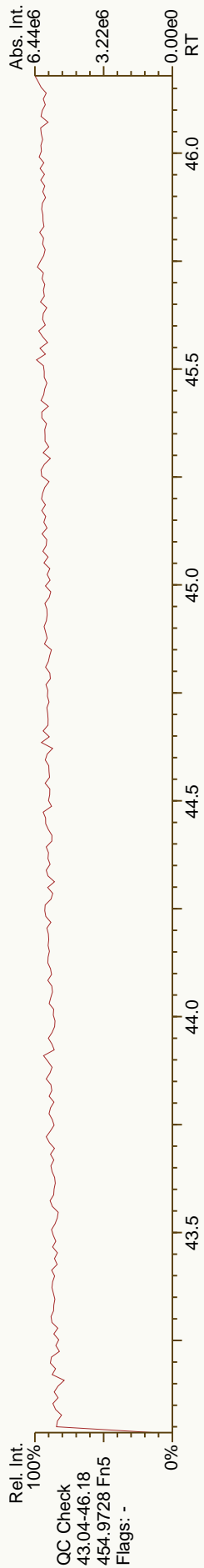
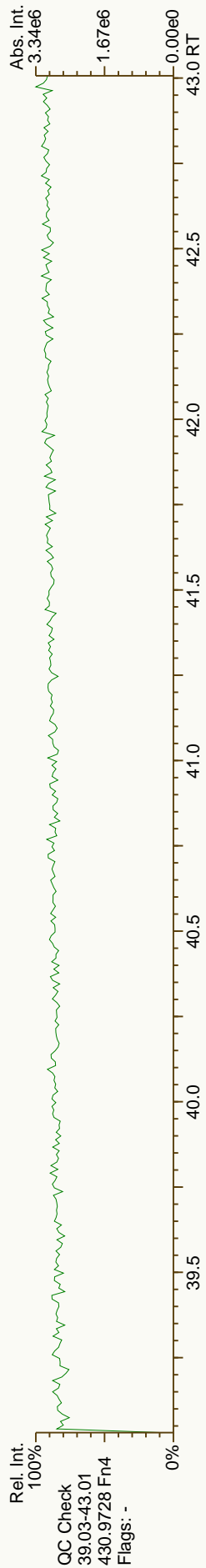
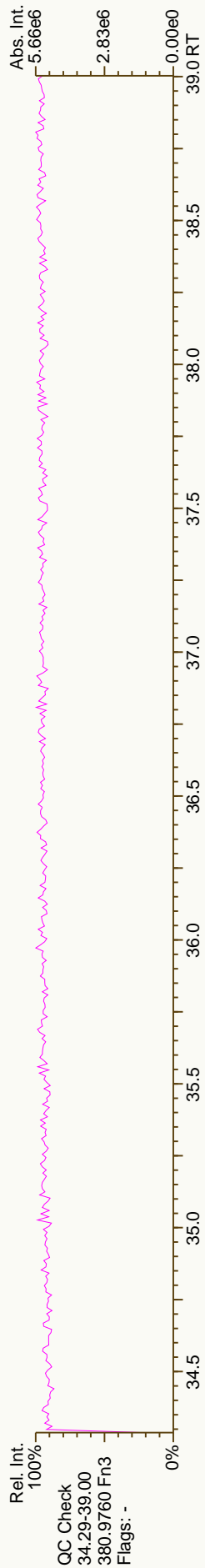
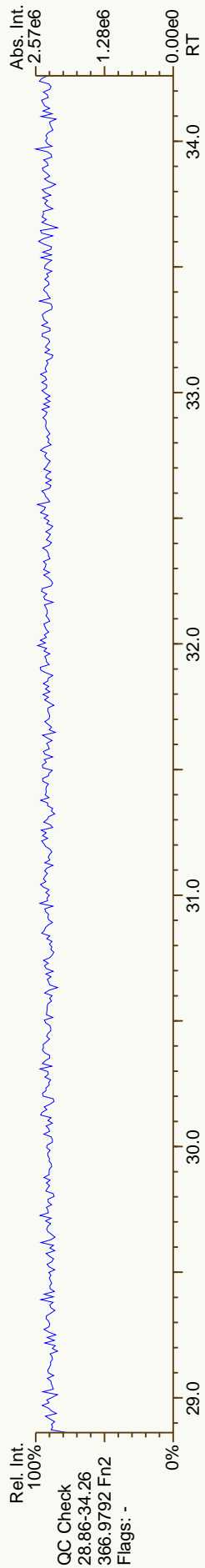
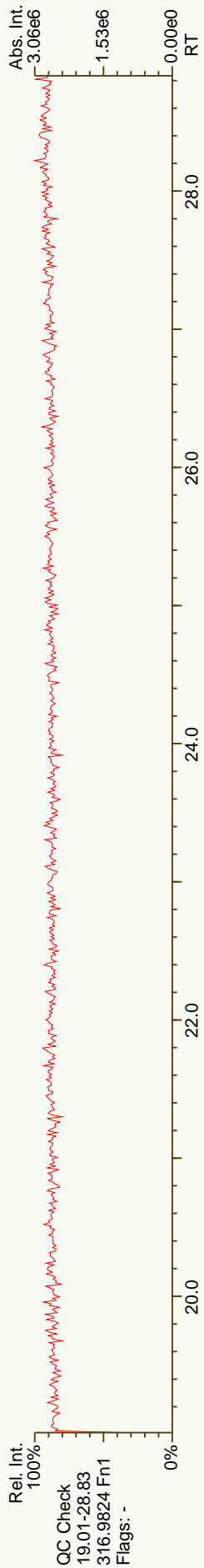
Report: 16 Oct 2012 09:39 MC

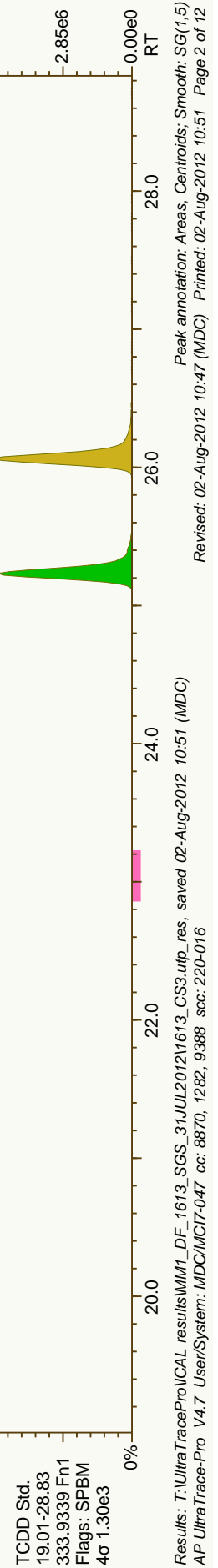
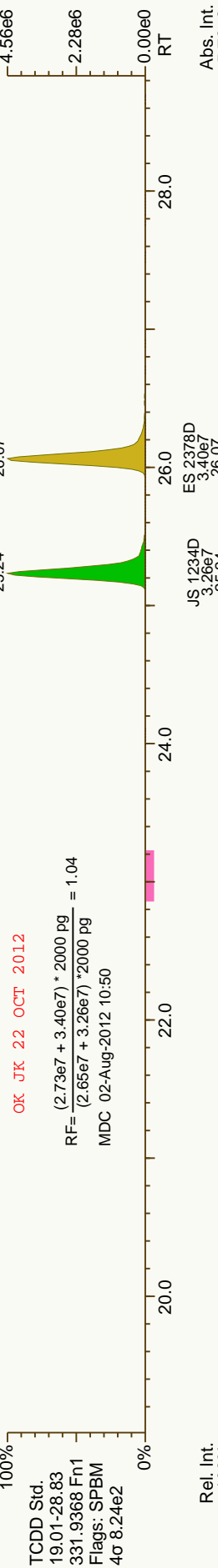
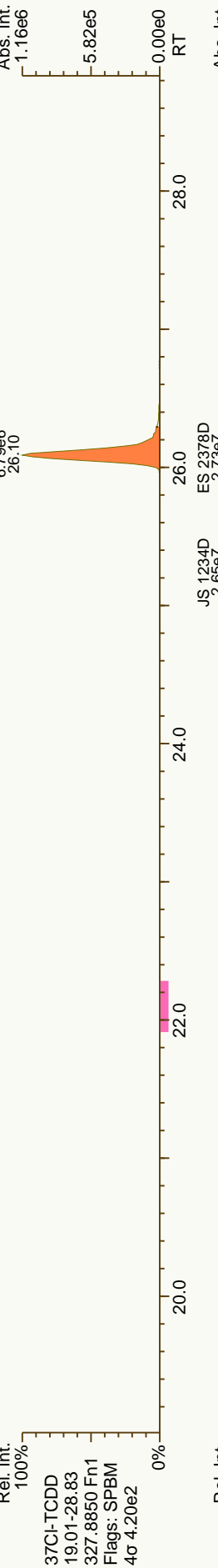
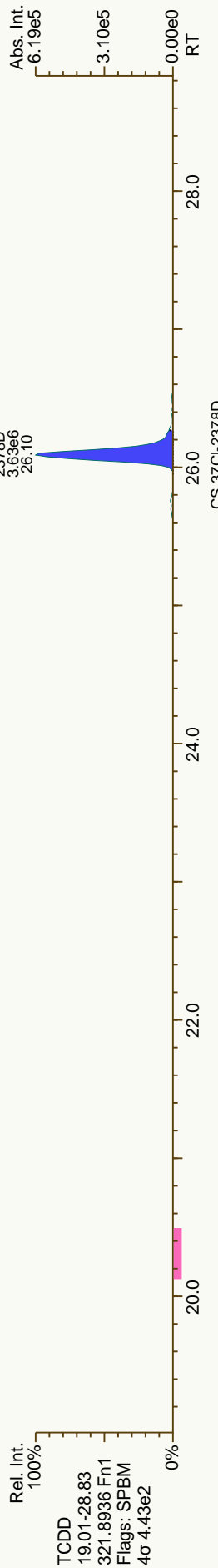
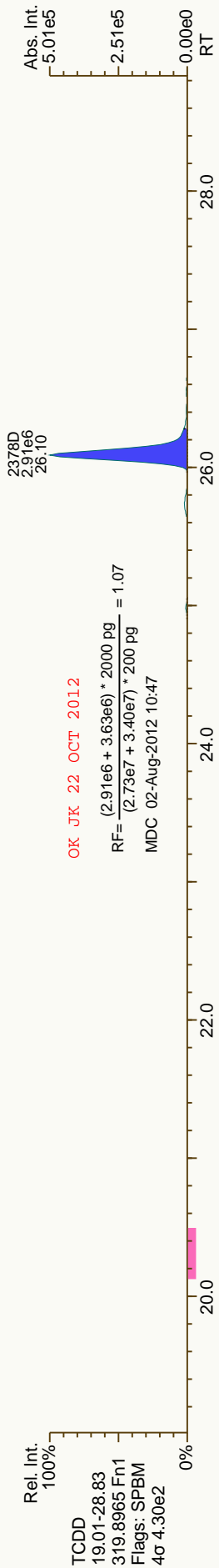
ICAL: 1613_SGS

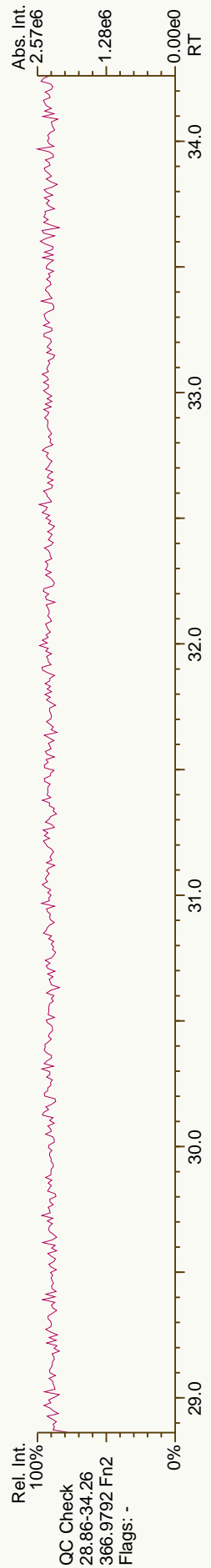
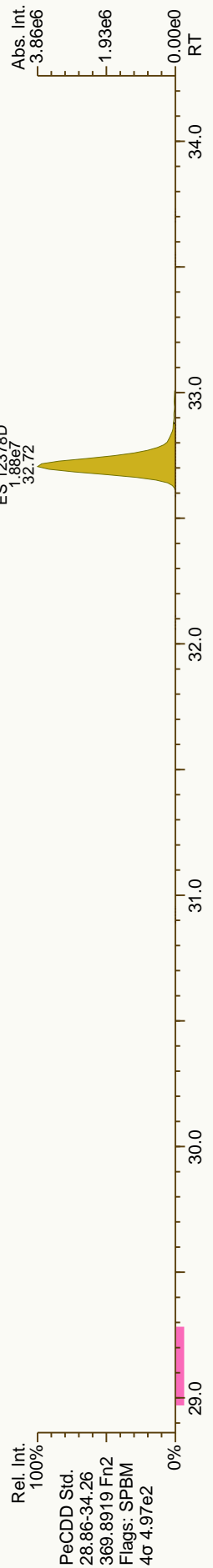
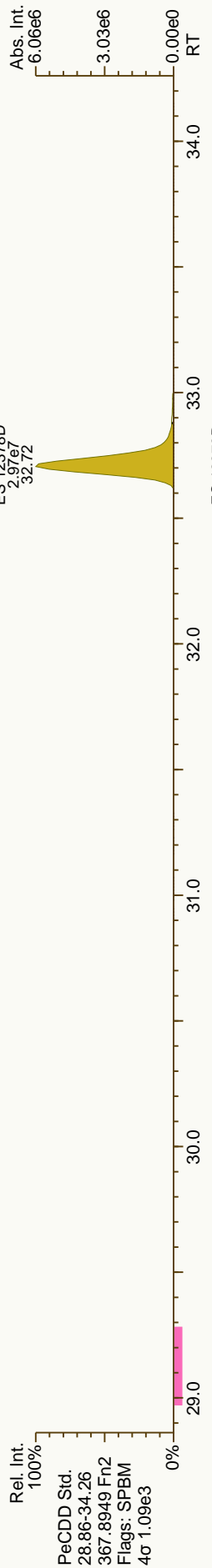
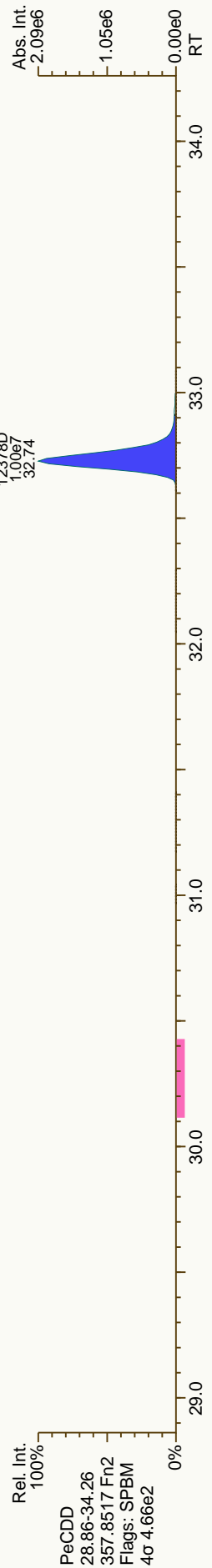
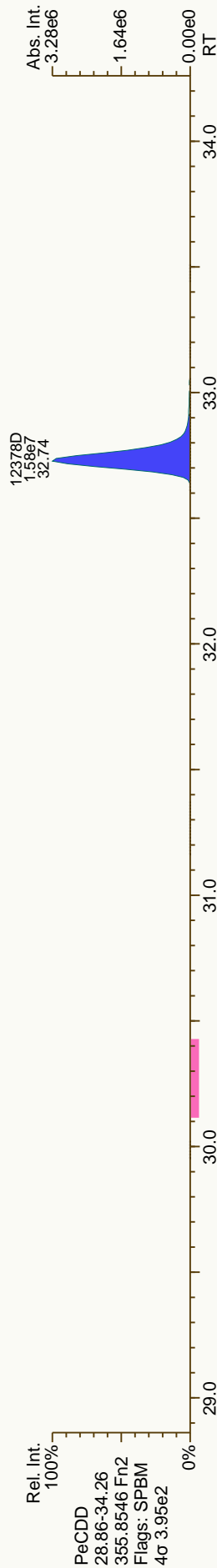
Checksum: 279-058

Datafile: 120801P2-04

Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
J5 1234-TCDD	25.24	5.90E+07	0.81	Y	-	-	-
J5 123789-HxCDD	37.97	4.73E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	26.10	6.79E+06	n/a	-	1.17	1.15	-2%
SS 37C1-2378-TCDD	26.10	6.79E+06	n/a	-	1.12	1.11	-2%

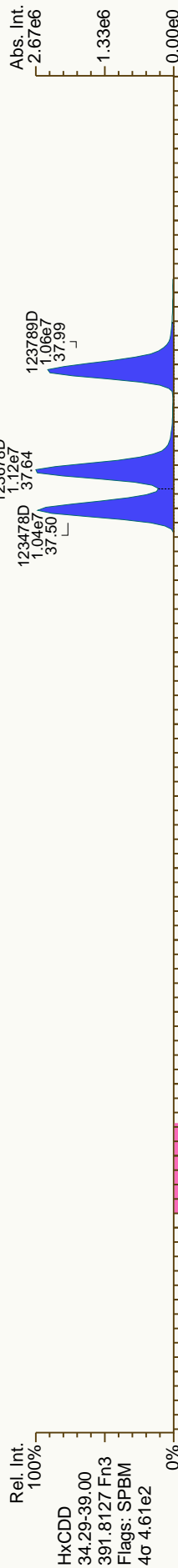
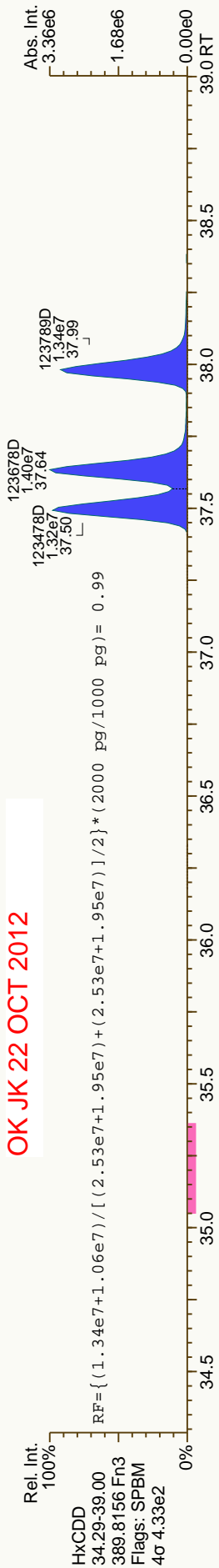




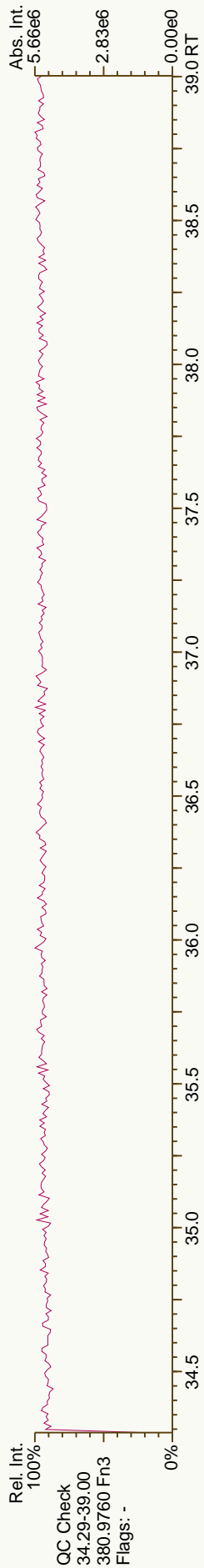
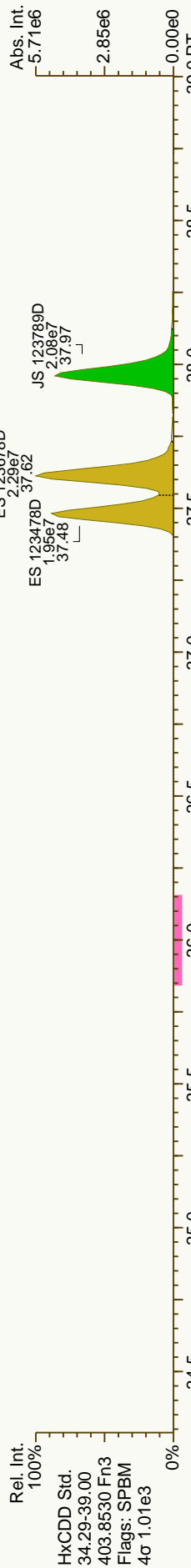
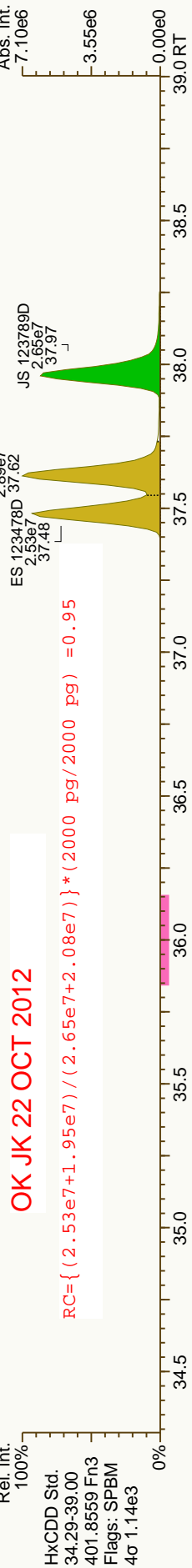


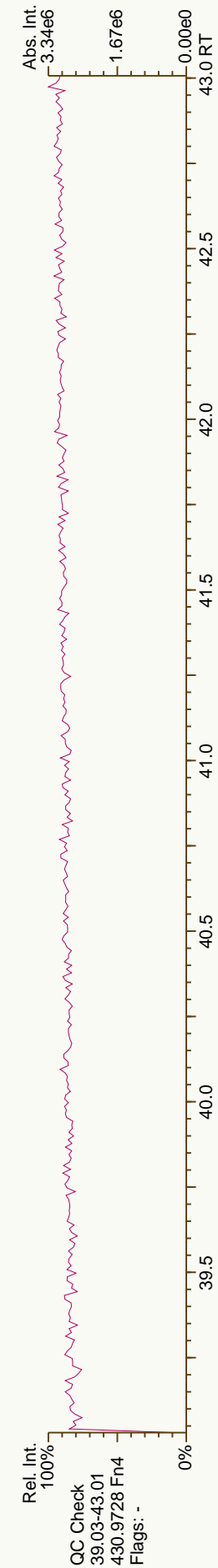
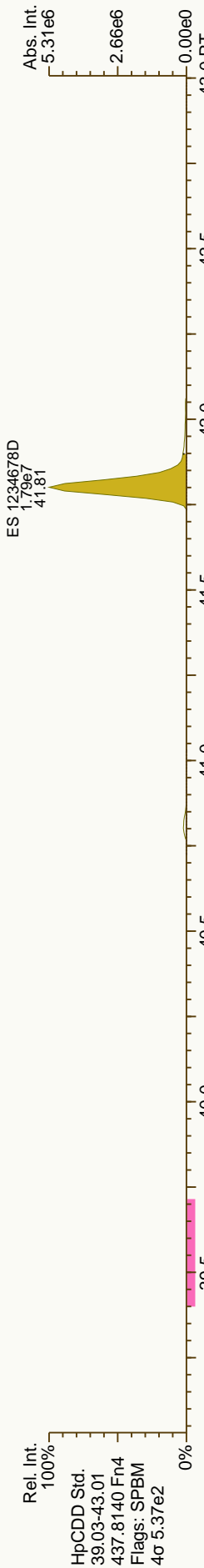
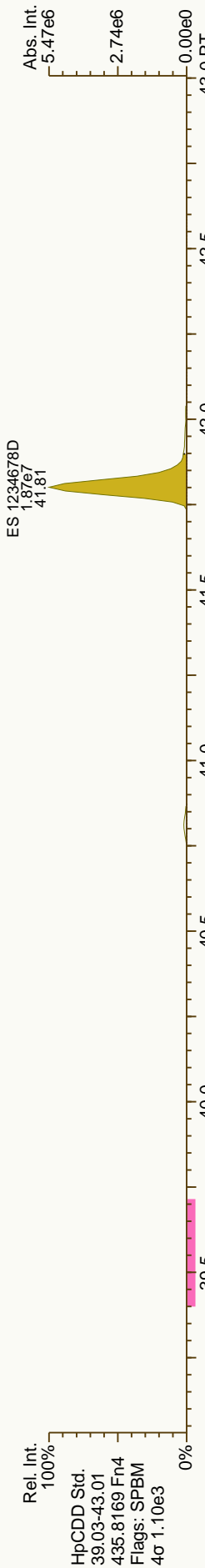
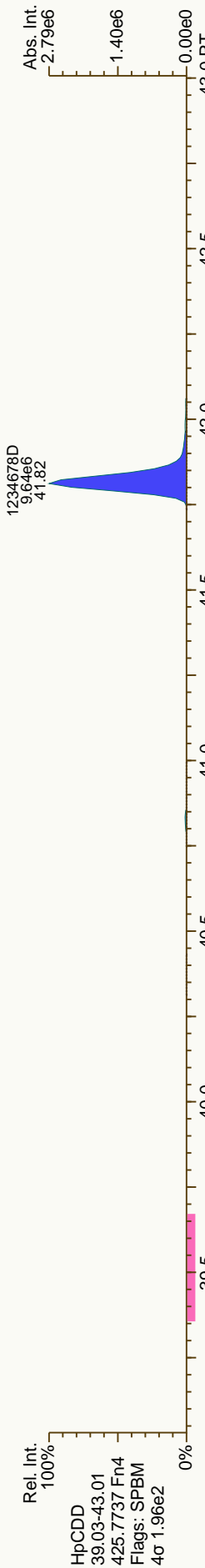
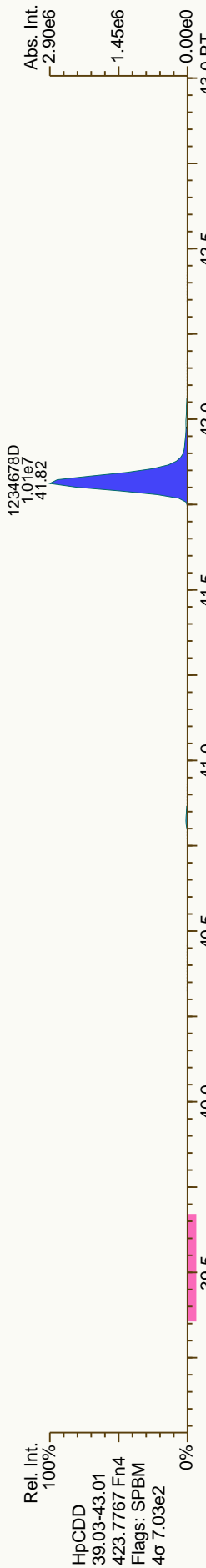
OK JK 22 OCT 2012

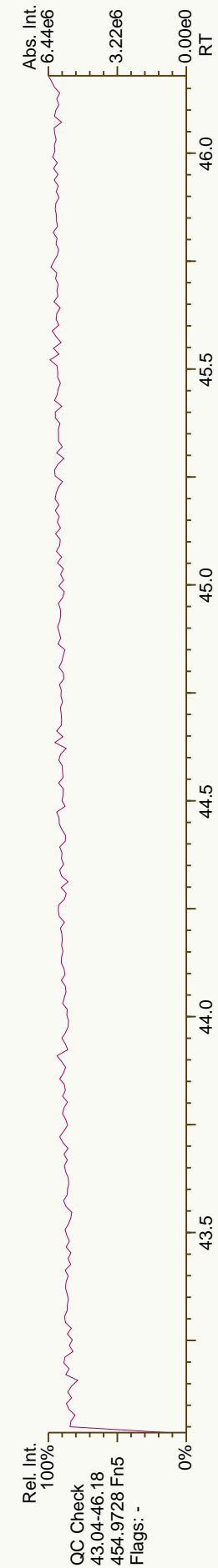
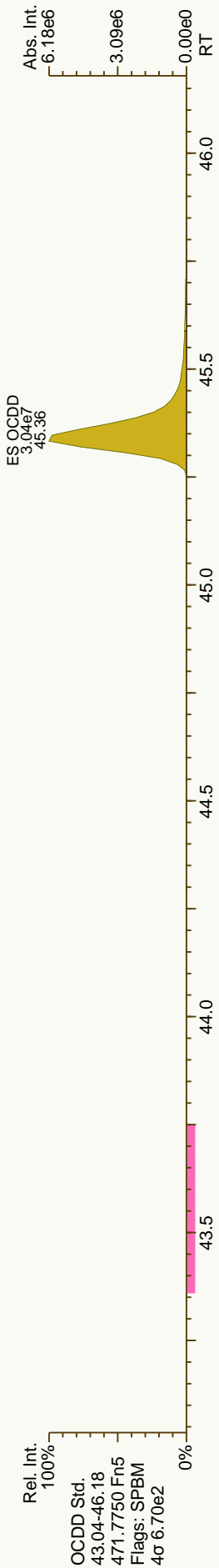
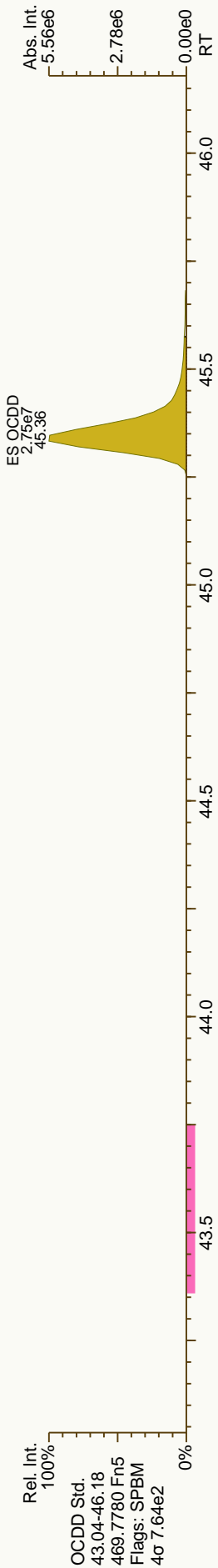
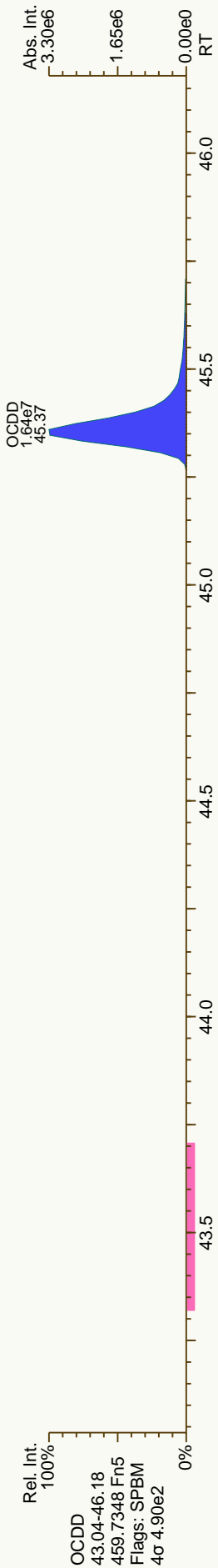
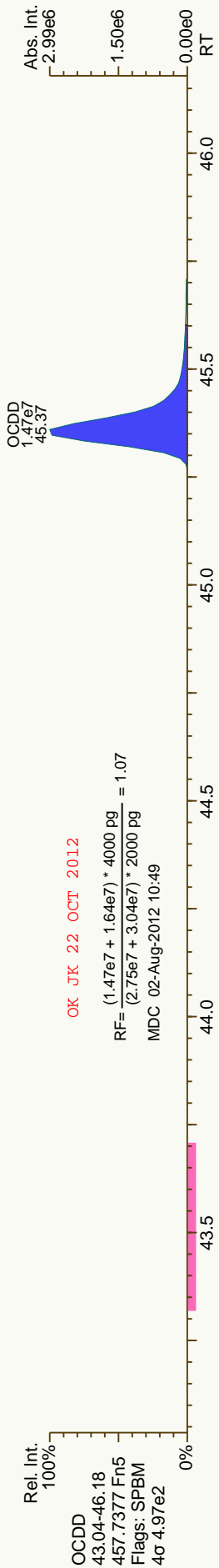
$$RF = \left\{ \left(1.34e7 + 1.06e7 \right) / \left[\left(2.53e7 + 1.95e7 \right) + \left(2.53e7 + 1.95e7 \right) / 2 \right] \right\} * \left(2000 \text{ pg} / 1000 \text{ pg} \right) = 0.99$$

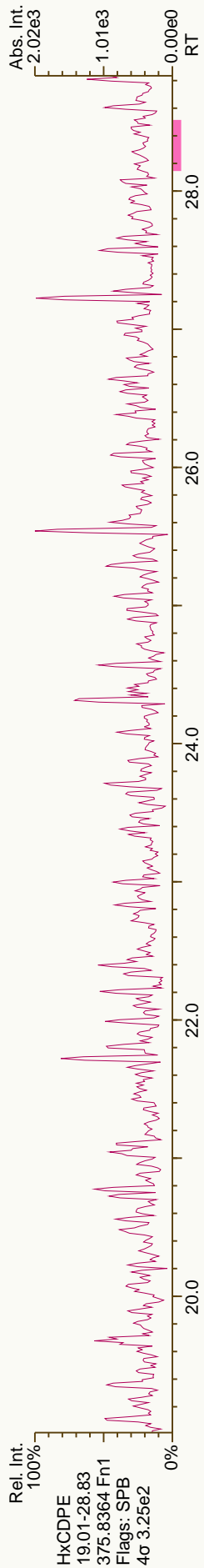
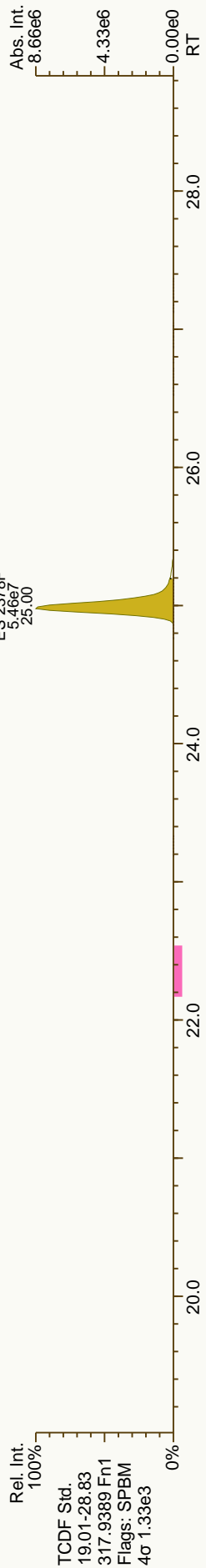
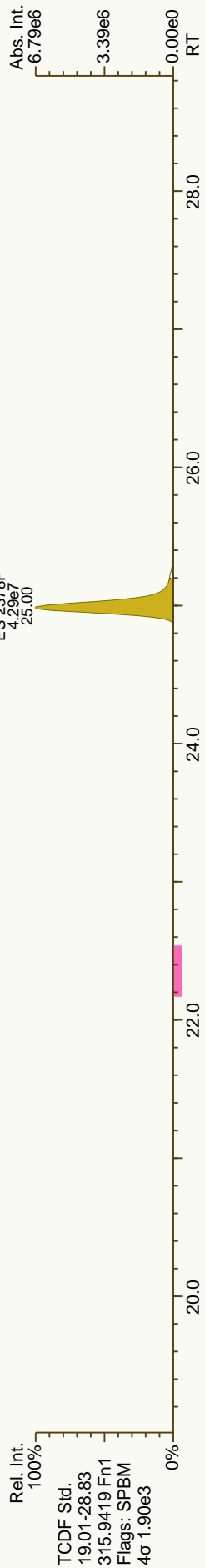
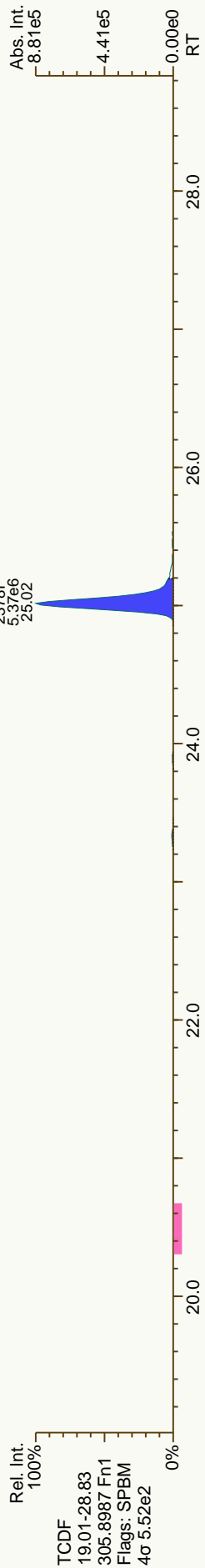
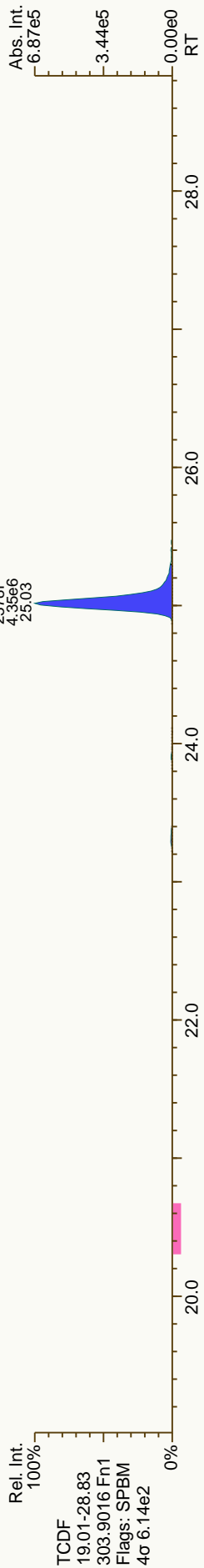


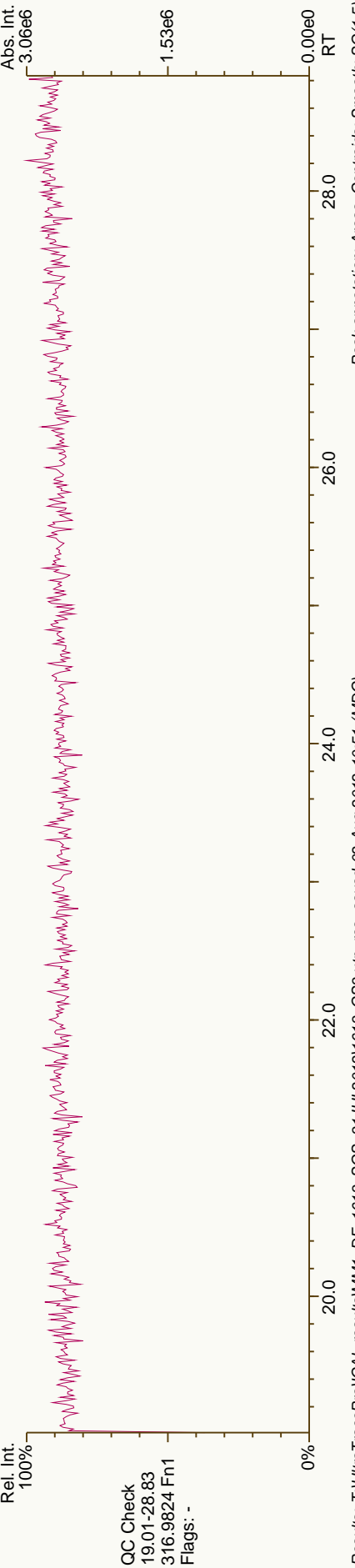
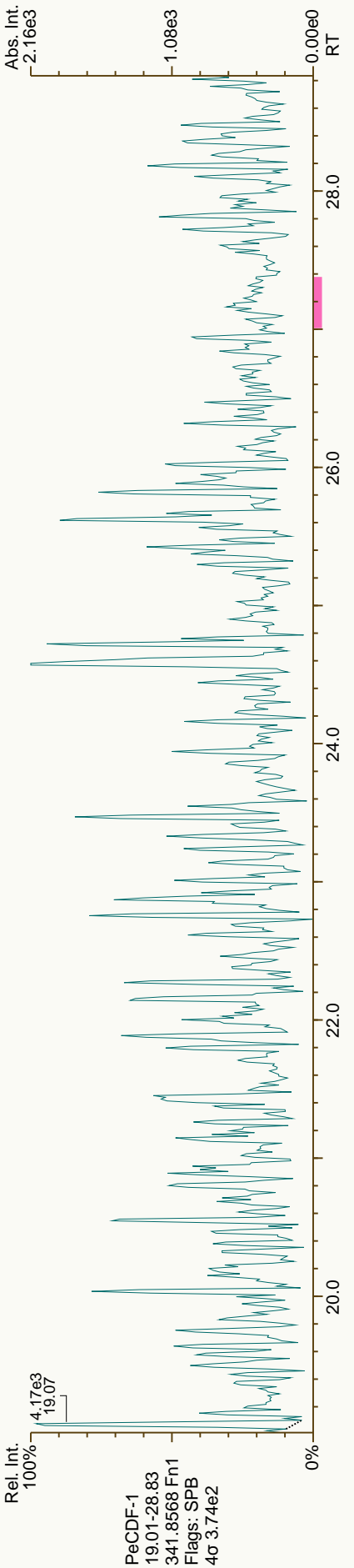
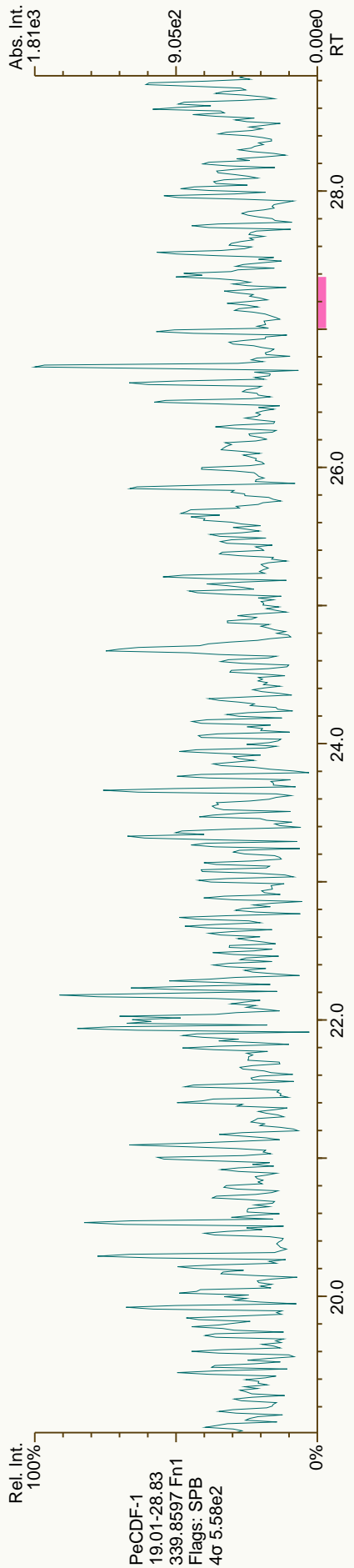
$$RC = \left\{ \left(2.53e7 + 1.95e7 \right) / \left(2.65e7 + 2.08e7 \right) \right\} * \left(2000 \text{ pg} / 2000 \text{ pg} \right) = 0.95$$

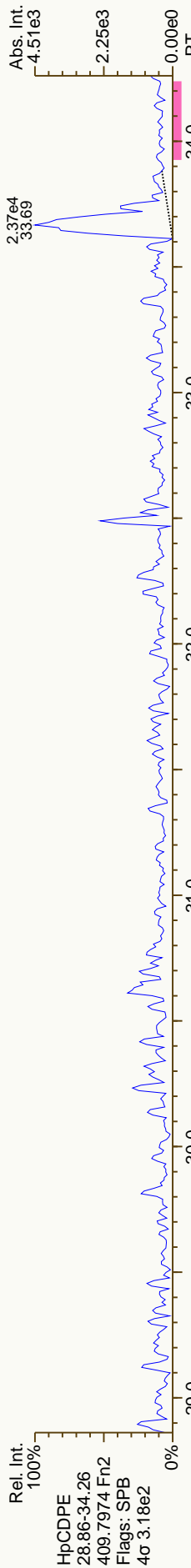
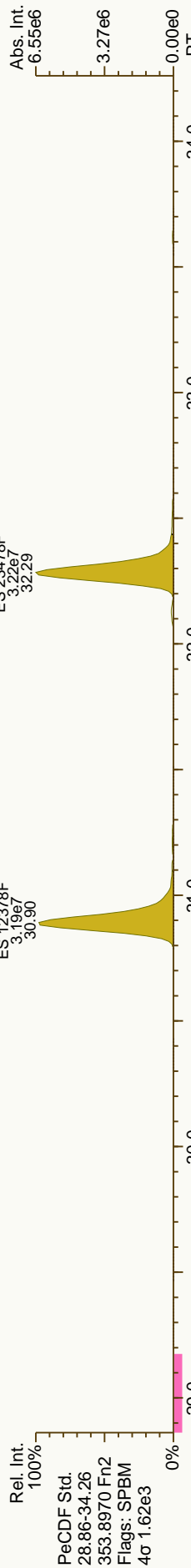
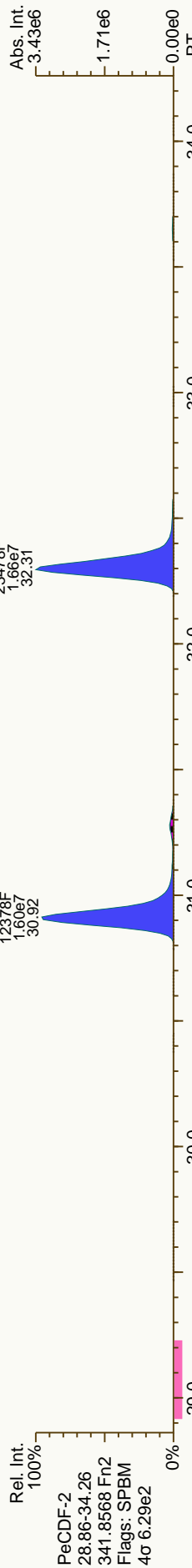
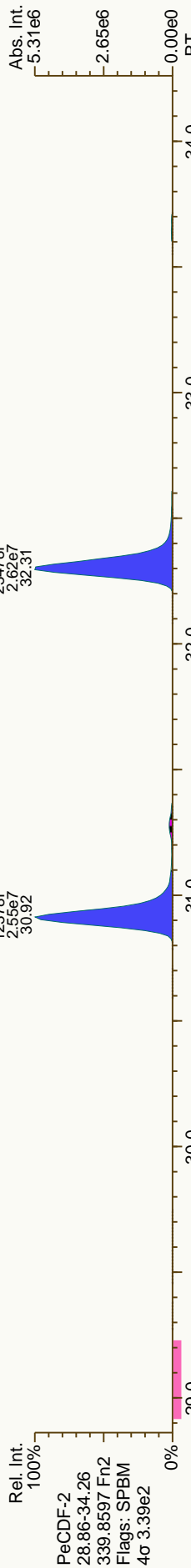


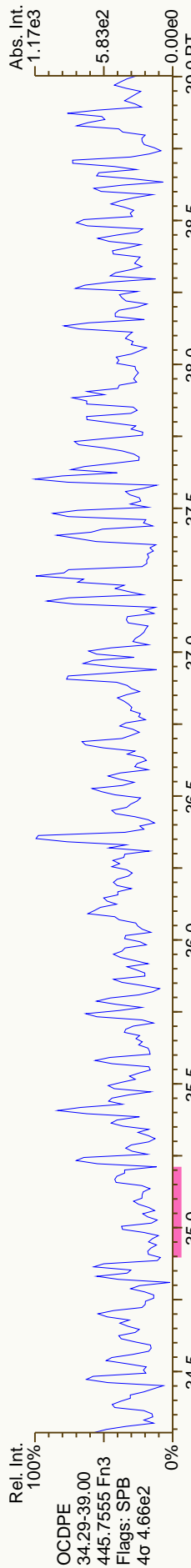
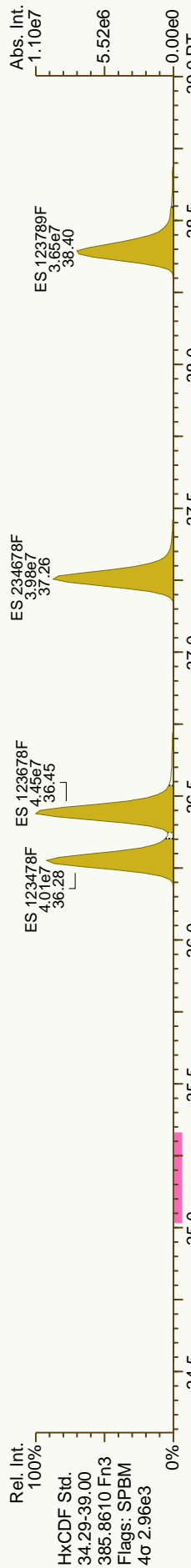
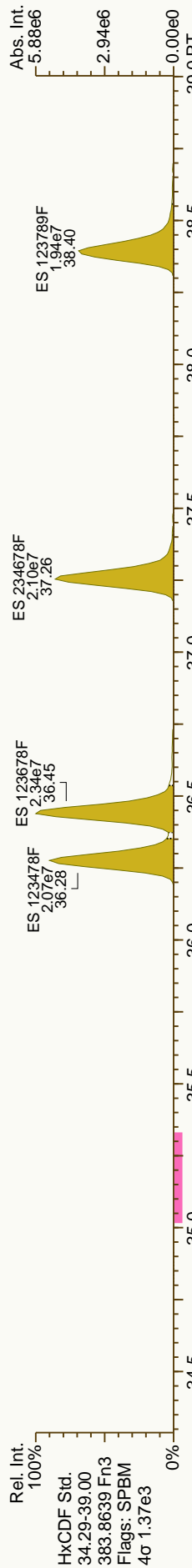
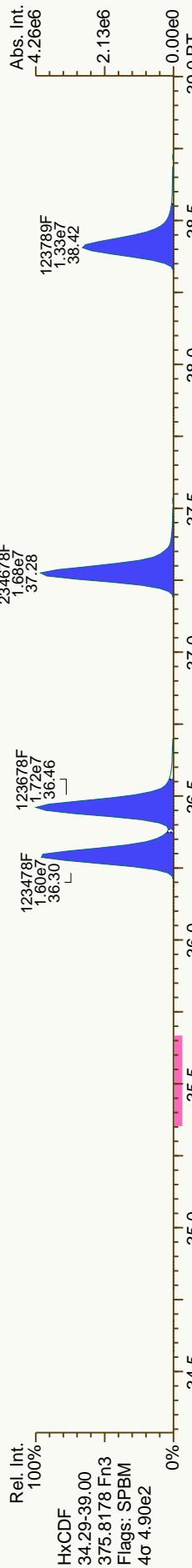
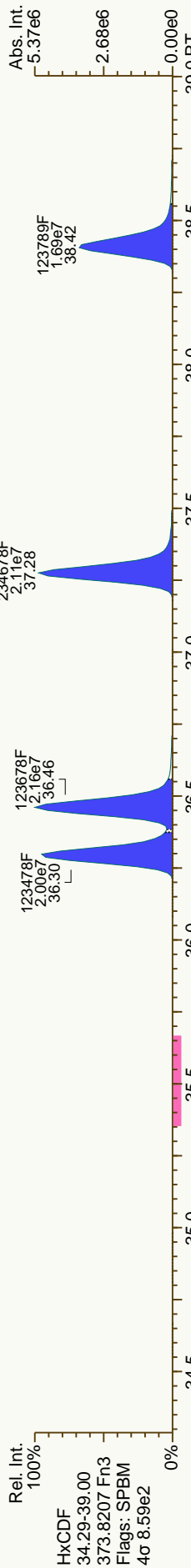


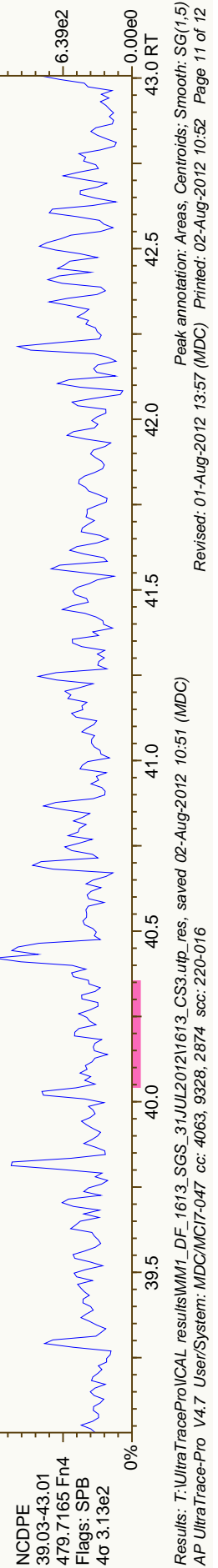
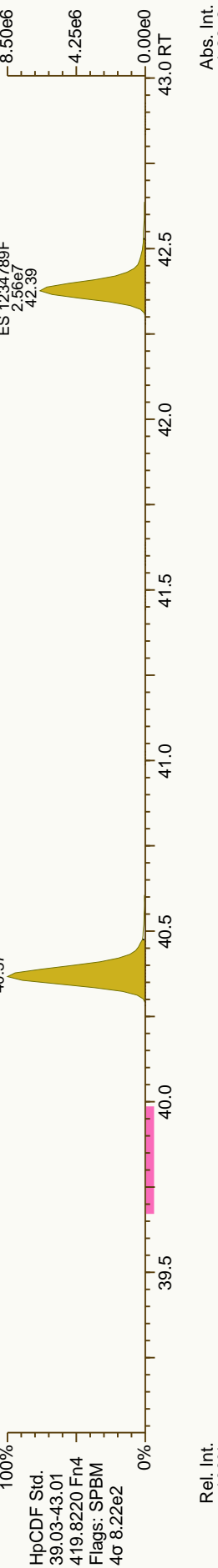
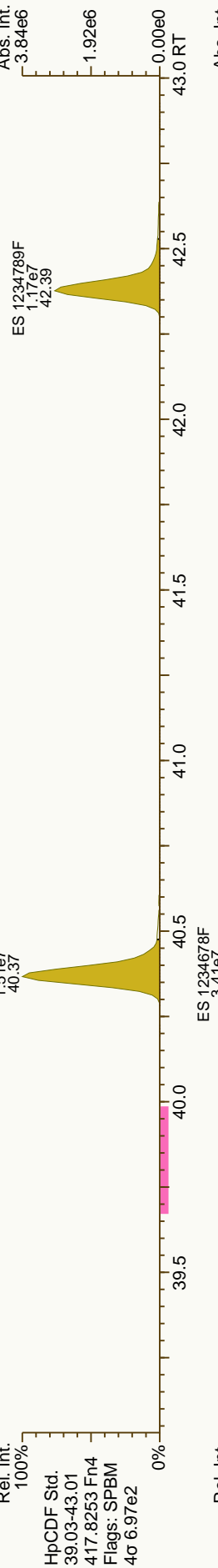
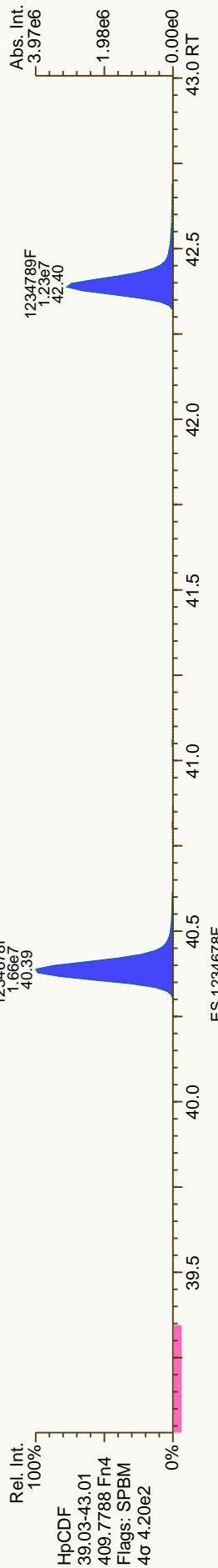
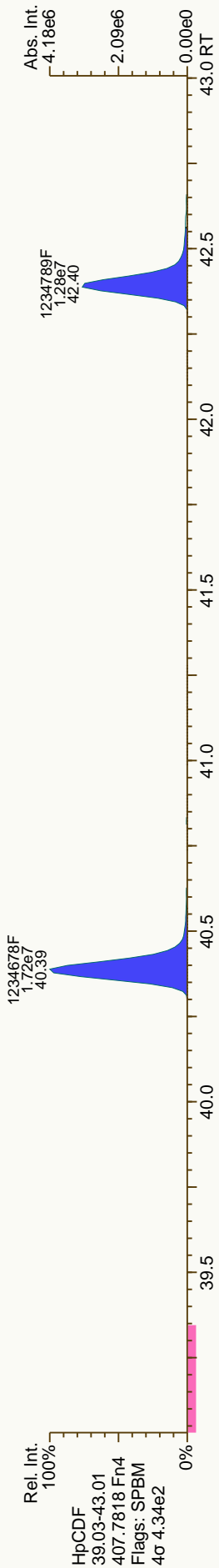


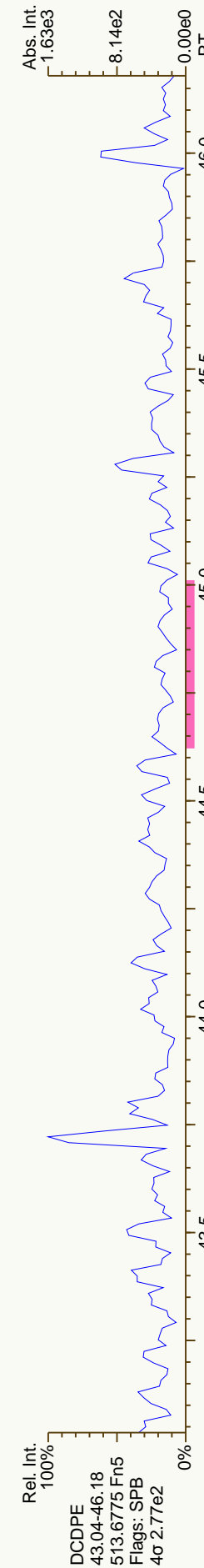
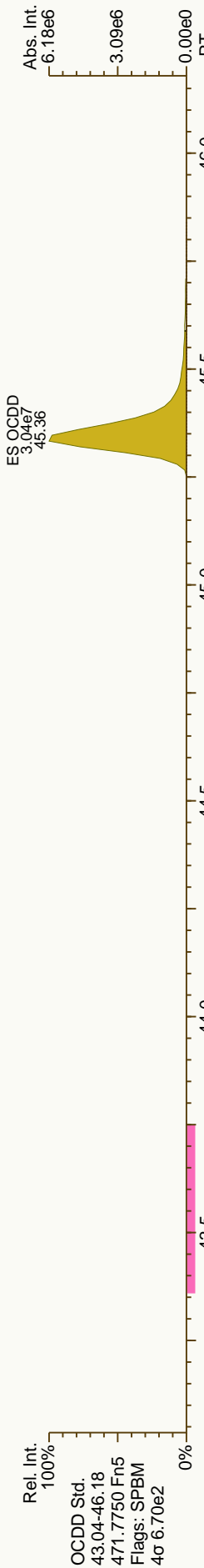
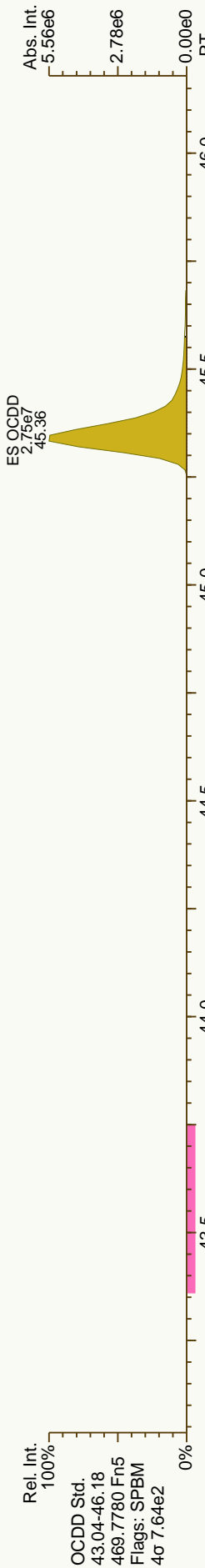
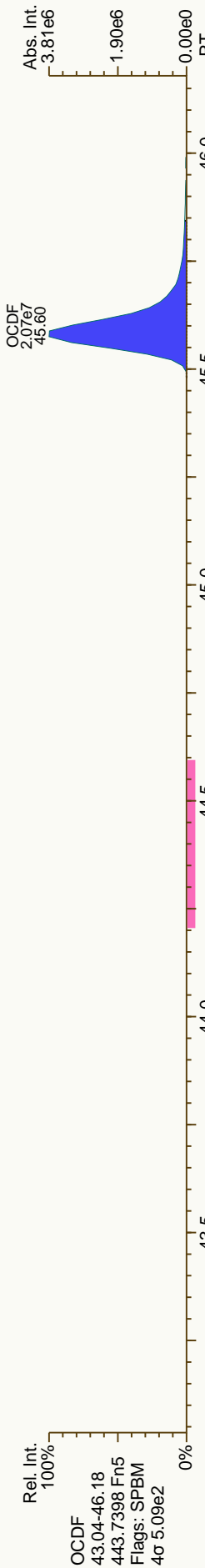
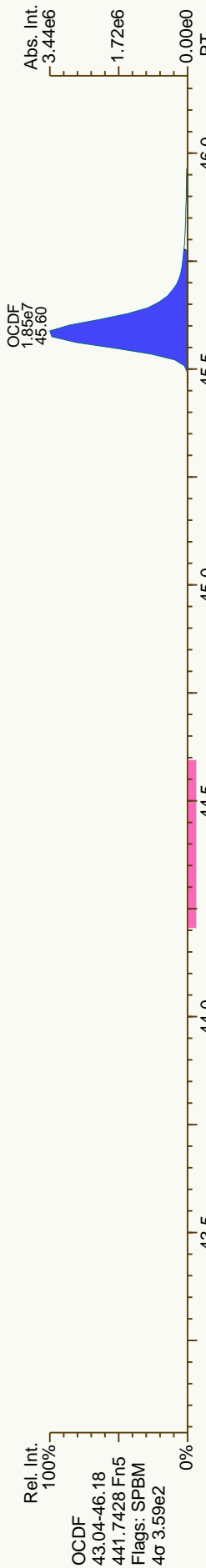












Dioxin/Furan QC Summary

Lab ID: 1613_CS4

Sample ID: 1613_CS4

Acq'd: 01 Aug 2012 13:47 MDC

UTP: 01-Aug-2012 14:45 MDC

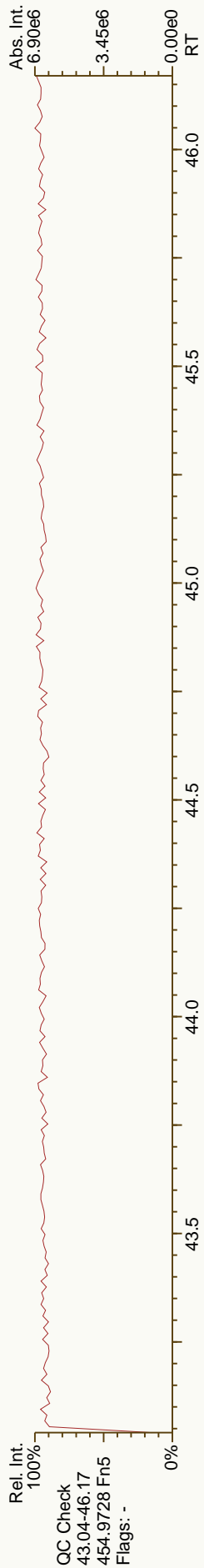
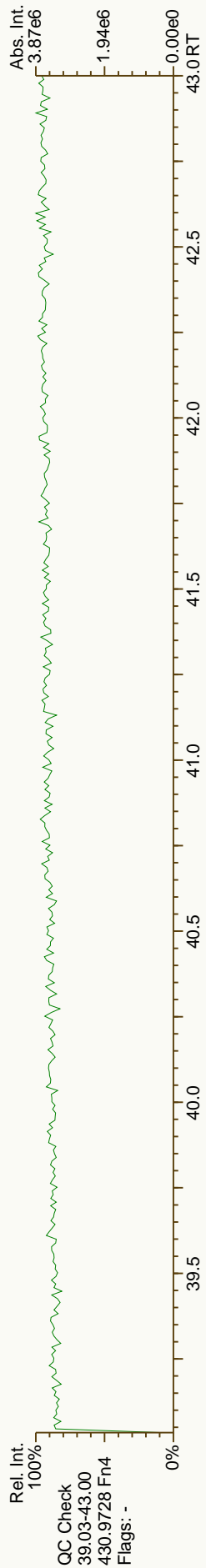
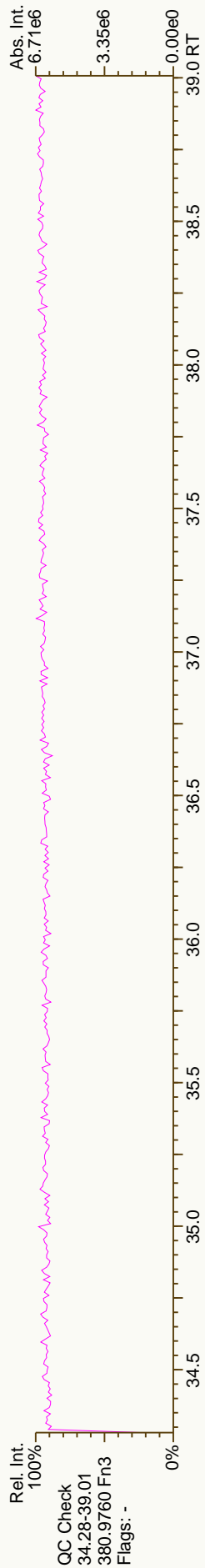
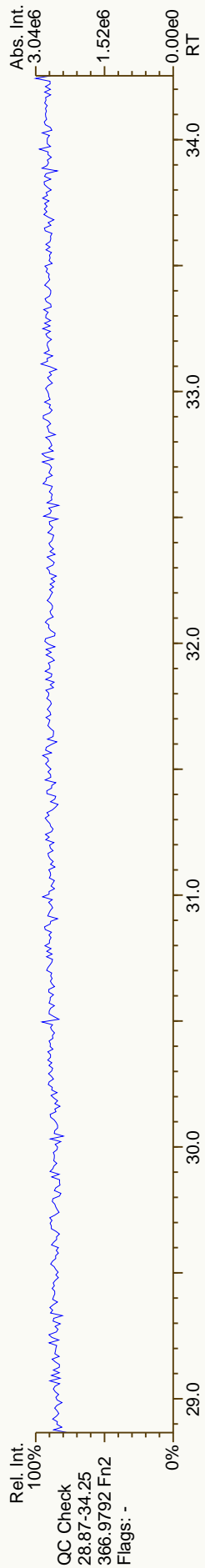
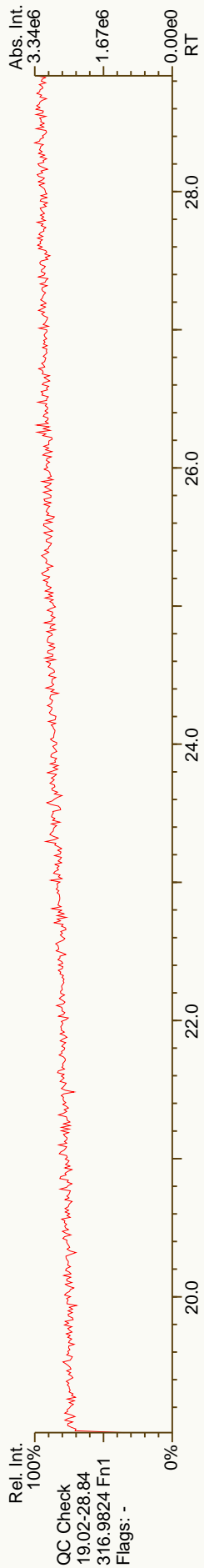
Report: 16 Oct 2012 09:39 MC

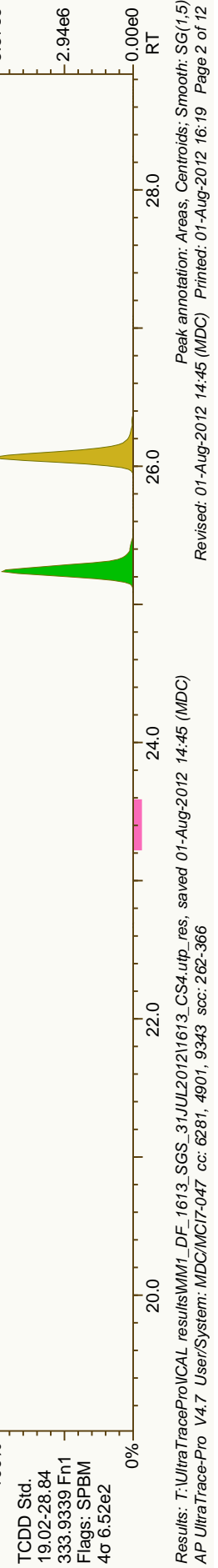
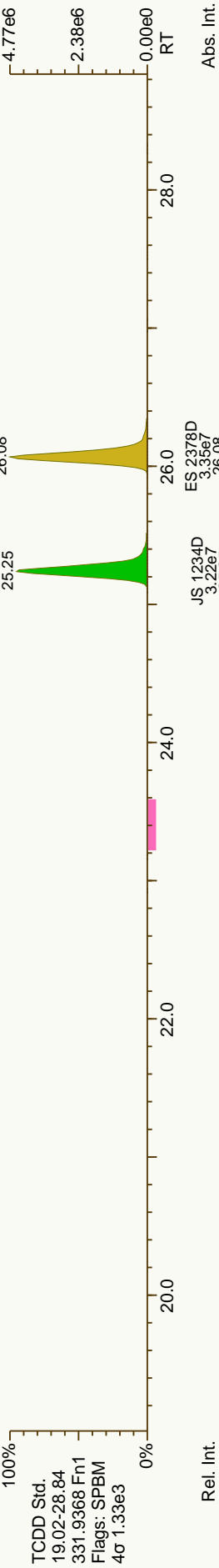
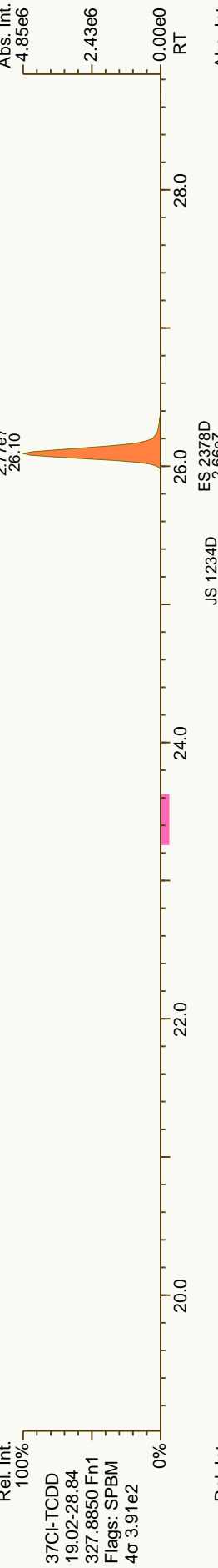
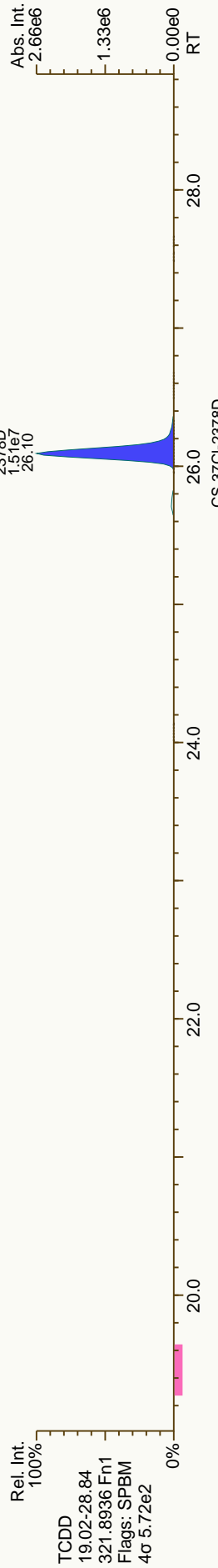
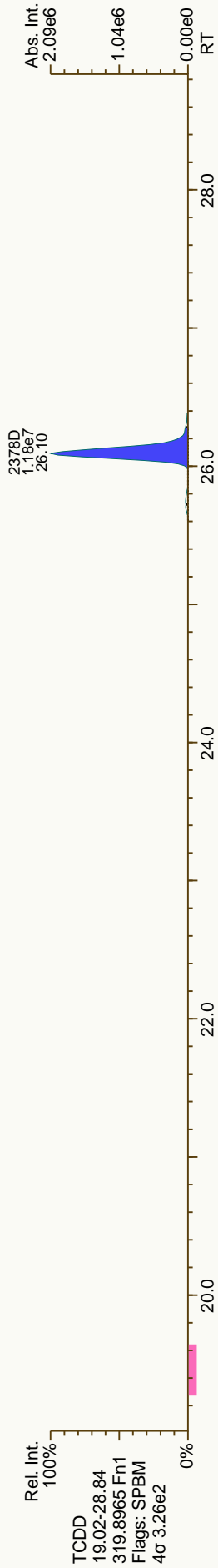
ICAL: 1613_SGS

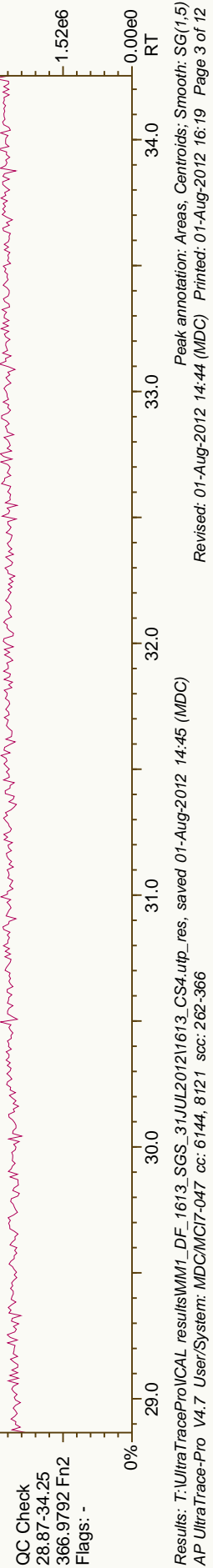
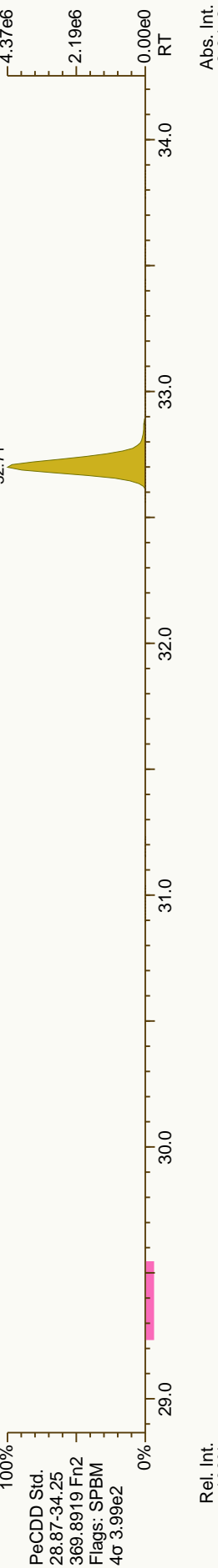
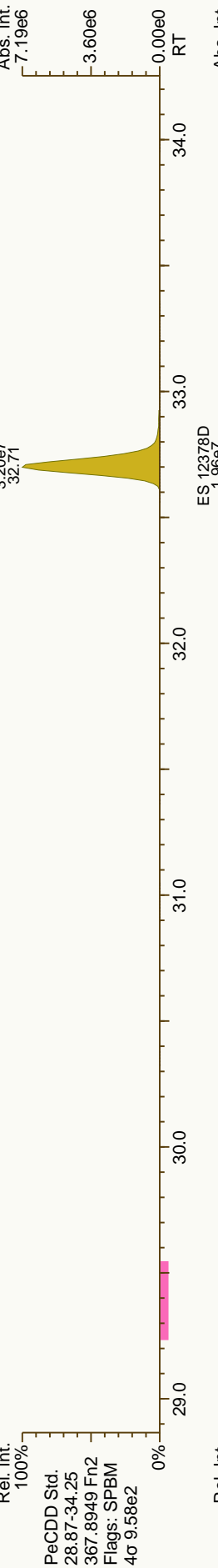
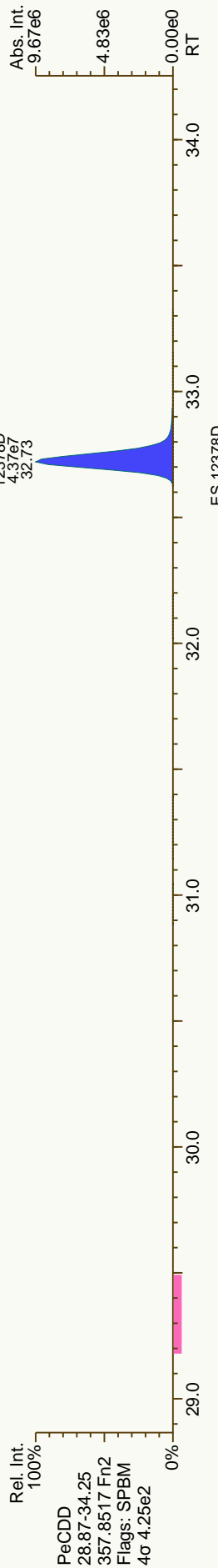
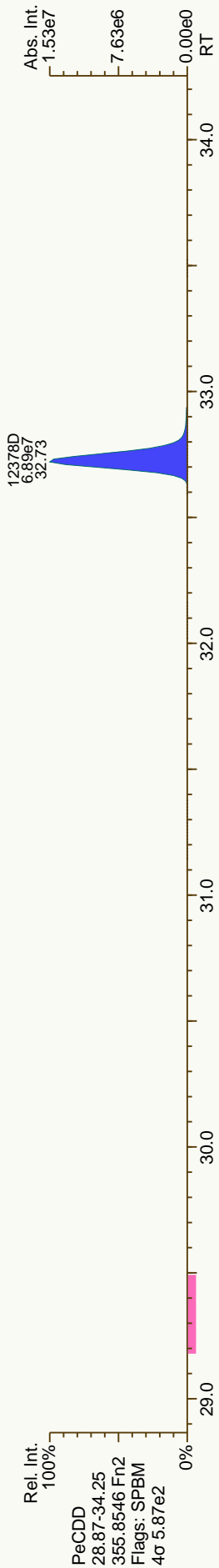
Checksum: 262-366-GHT

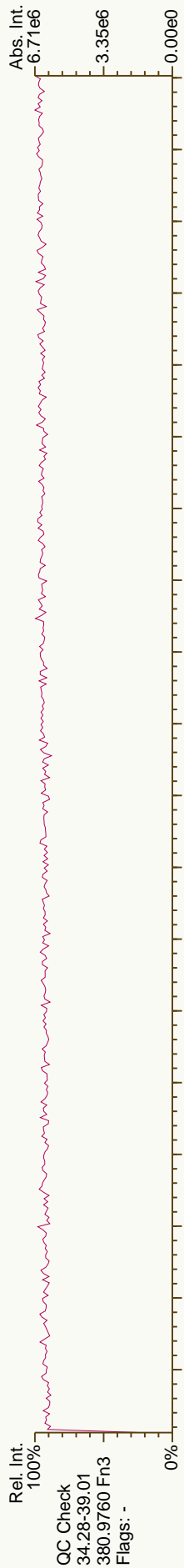
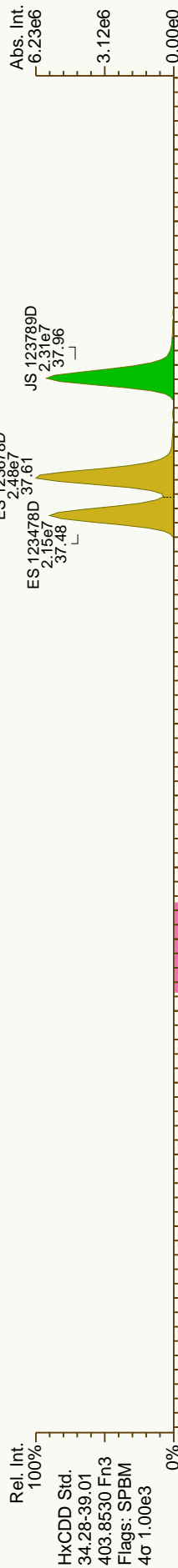
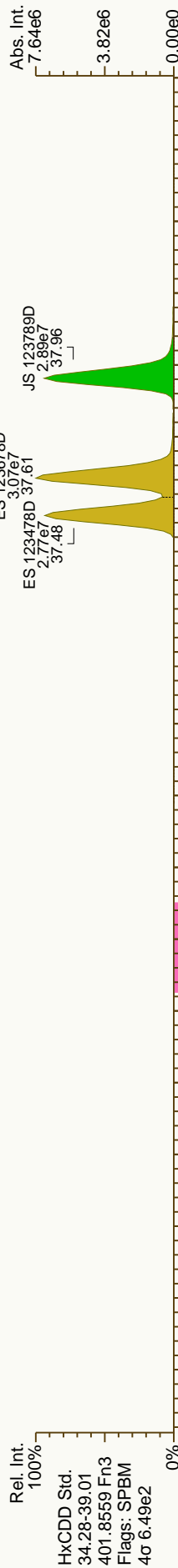
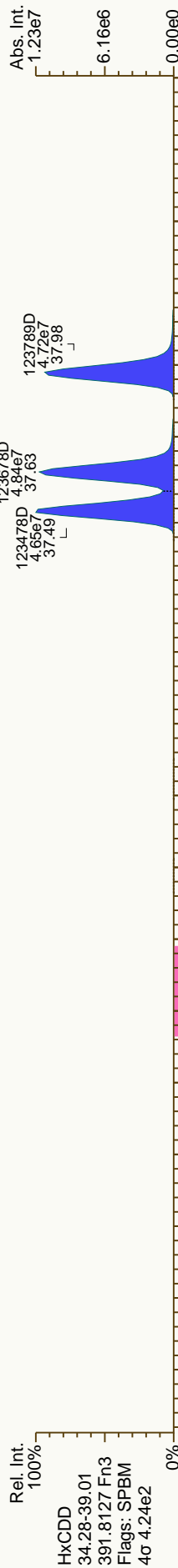
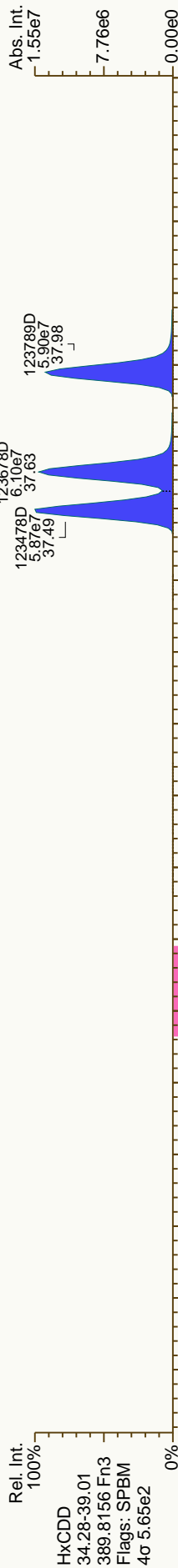
Datafile: 120801P2-05

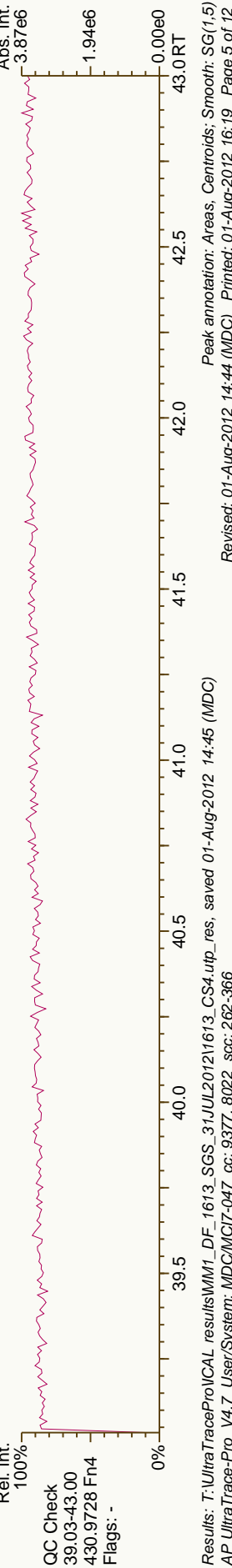
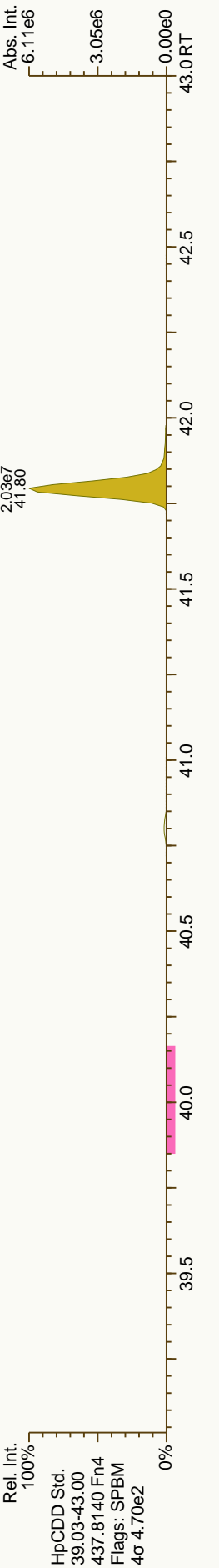
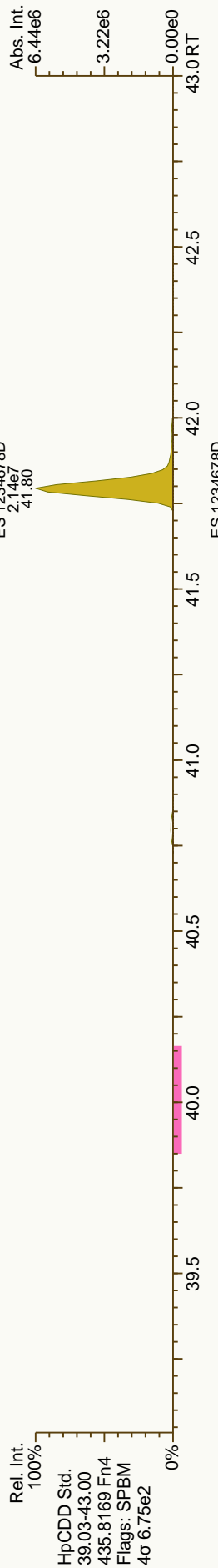
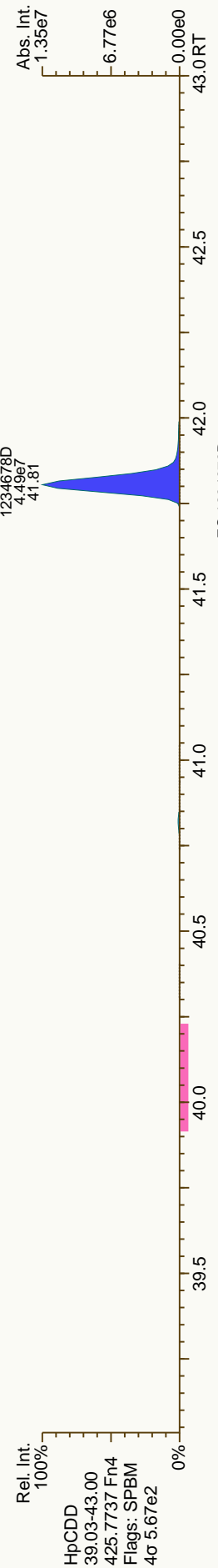
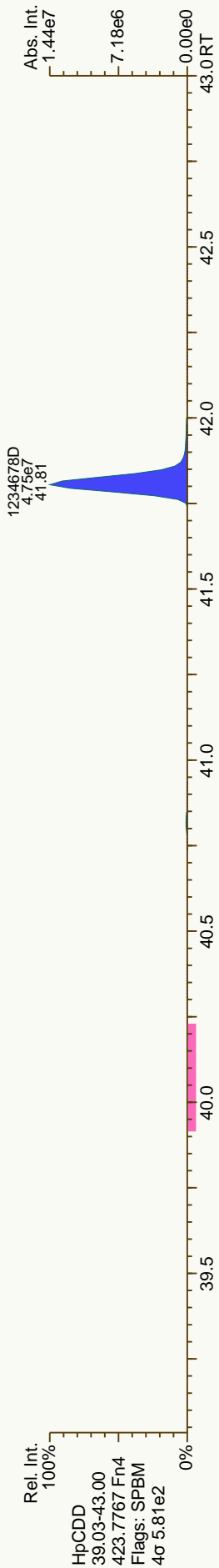
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.10	2.69E+07	0.78	Y	1.08	1.12	3%
12378-PeCDD	32.73	1.13E+08	1.58	Y	1.07	1.09	1%
123478-HxCDD	37.49	1.05E+08	1.26	Y	1.05	1.07	2%
123678-HxCDD	37.63	1.09E+08	1.26	Y	0.98	0.99	0%
123789-HxCDD	37.98	1.06E+08	1.25	Y	1.01	1.01	0%
1234678-HpCDD	41.81	9.24E+07	1.06	Y	1.09	1.11	2%
OCDD	45.35	1.54E+08	0.91	Y	1.11	1.13	2%
2378-TCDF	25.03	3.92E+07	0.78	Y	0.98	0.97	-1%
12378-PeCDF	30.91	1.78E+08	1.56	Y	0.99	1.00	1%
23478-PeCDF	32.30	1.83E+08	1.58	Y	1.02	1.03	2%
123478-HxCDF	36.29	1.59E+08	1.24	Y	1.19	1.20	1%
123678-HxCDF	36.46	1.71E+08	1.26	Y	1.16	1.17	1%
234678-HxCDF	37.27	1.65E+08	1.25	Y	1.18	1.17	0%
123789-HxCDF	38.41	1.39E+08	1.26	Y	1.09	1.09	0%
1234678-HpCDF	40.38	1.51E+08	1.04	Y	1.35	1.38	2%
1234789-HpCDF	42.38	1.18E+08	1.03	Y	1.34	1.39	4%
OCDF	45.57	2.03E+08	0.91	Y	1.40	1.49	7%
ES 2378-TCDD	26.08	6.02E+07	0.79	Y	1.04	1.04	-1%
ES 12378-PeCDD	32.71	5.17E+07	1.63	Y	0.87	0.89	3%
ES 123478-HxCDD	37.48	4.92E+07	1.29	Y	0.94	0.95	1%
ES 123678-HxCDD	37.61	5.55E+07	1.24	Y	1.06	1.07	1%
ES 1234678-HpCDD	41.80	4.17E+07	1.06	Y	0.80	0.80	0%
ES OCDD	45.33	6.78E+07	0.90	Y	0.63	0.65	3%
ES 2378-TCDF	25.00	1.01E+08	0.77	Y	1.74	1.74	0%
ES 12378-PeCDF	30.89	8.88E+07	1.58	Y	1.49	1.53	2%
ES 23478-PeCDF	32.28	8.86E+07	1.60	Y	1.48	1.52	3%
ES 123478-HxCDF	36.27	6.63E+07	0.52	Y	1.27	1.28	0%
ES 123678-HxCDF	36.44	7.32E+07	0.52	Y	1.41	1.41	0%
ES 234678-HxCDF	37.25	7.01E+07	0.52	Y	1.34	1.35	0%
ES 123789-HxCDF	38.39	6.37E+07	0.53	Y	1.20	1.22	2%
ES 1234678-HpCDF	40.37	5.50E+07	0.45	Y	1.06	1.06	0%
ES 1234789-HpCDF	42.37	4.25E+07	0.45	Y	0.82	0.82	0%

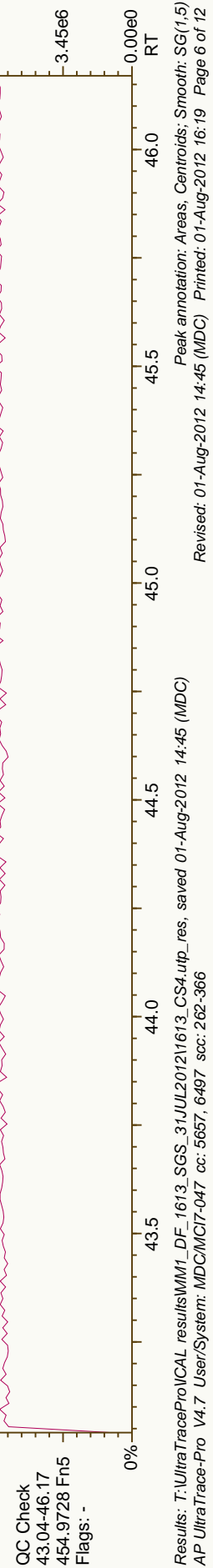
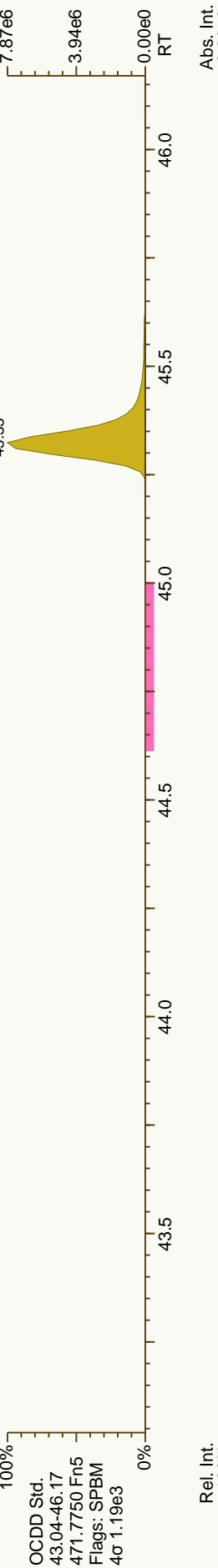
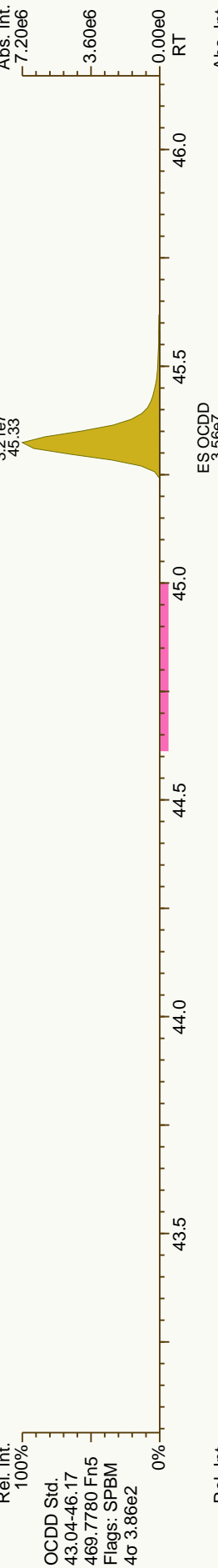
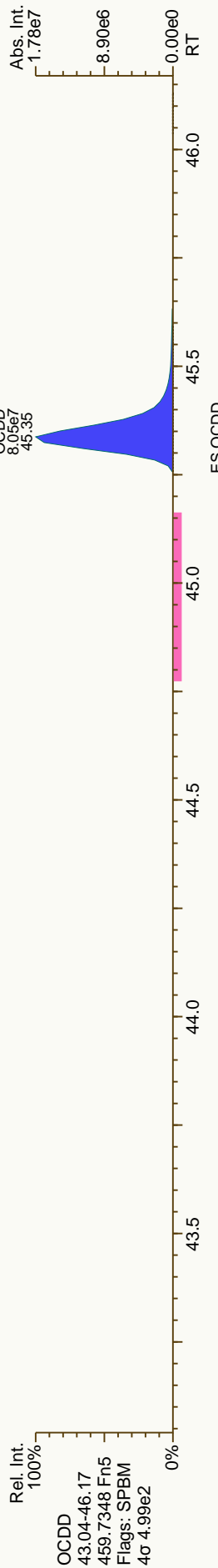
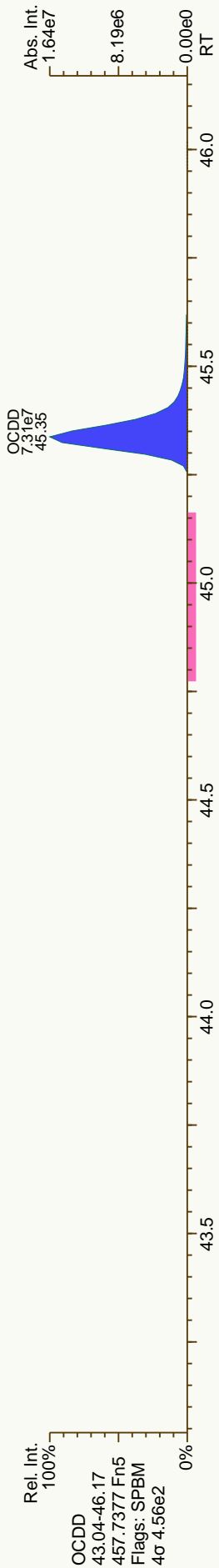


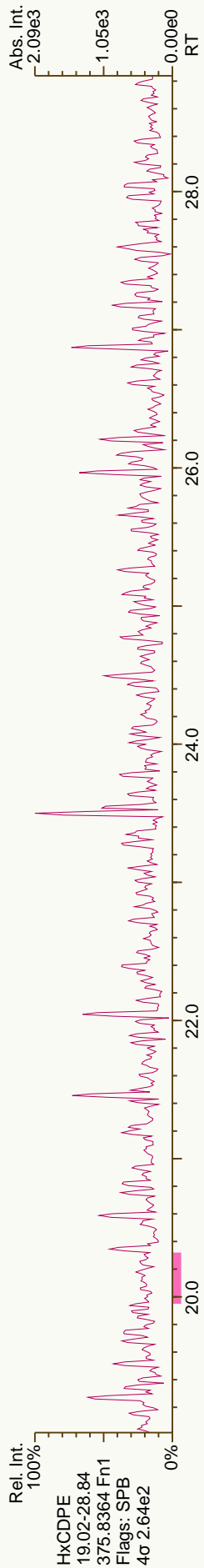
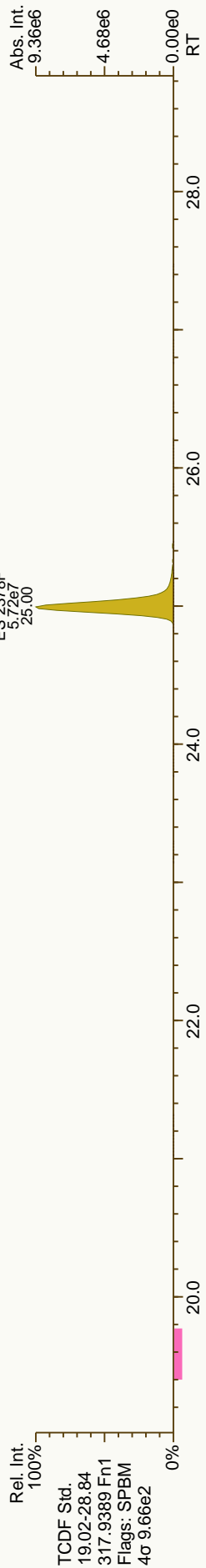
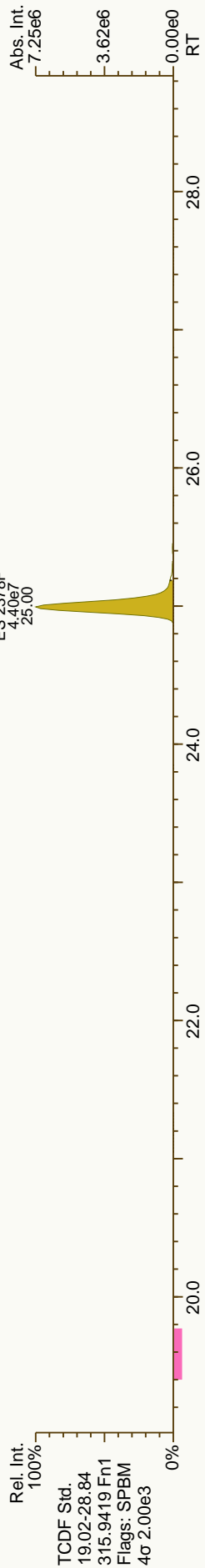
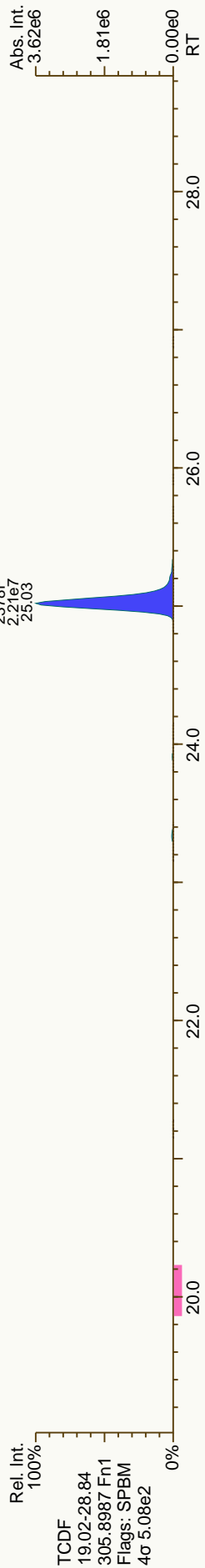
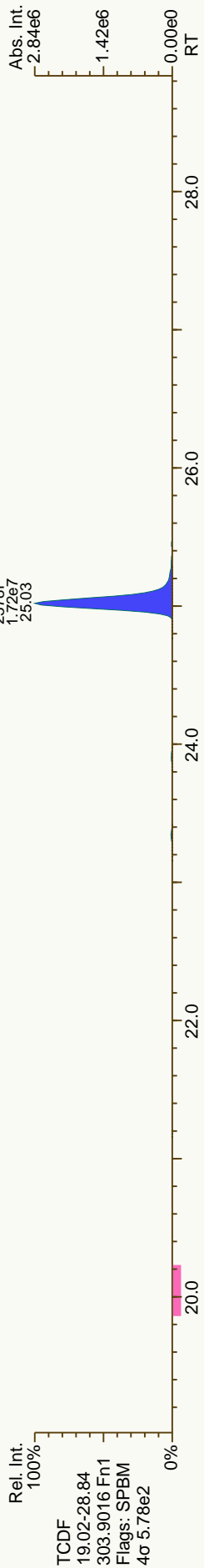


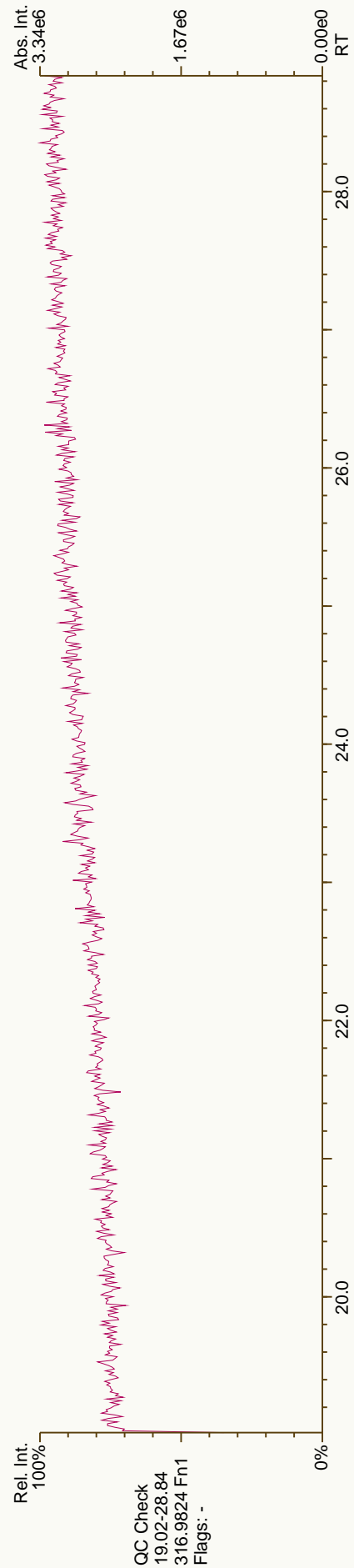
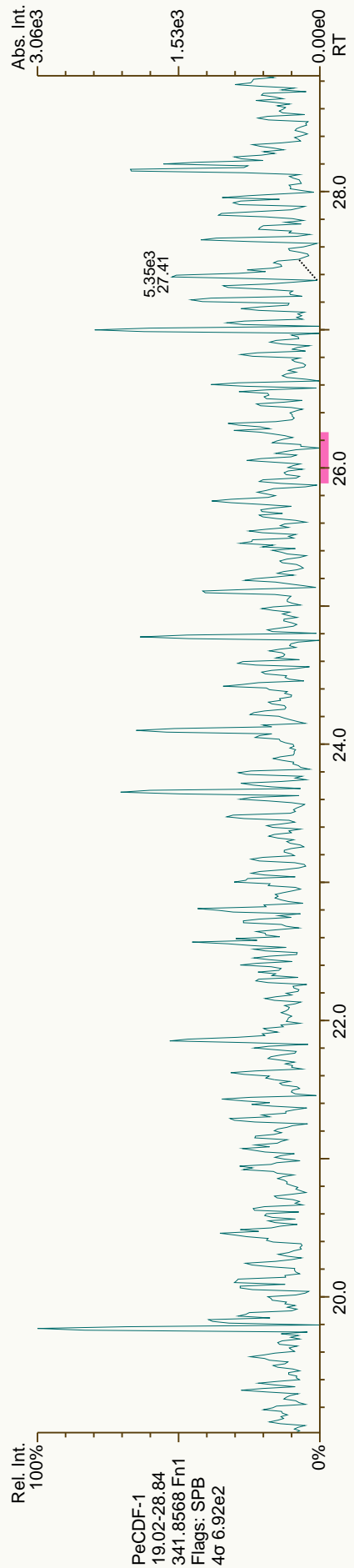
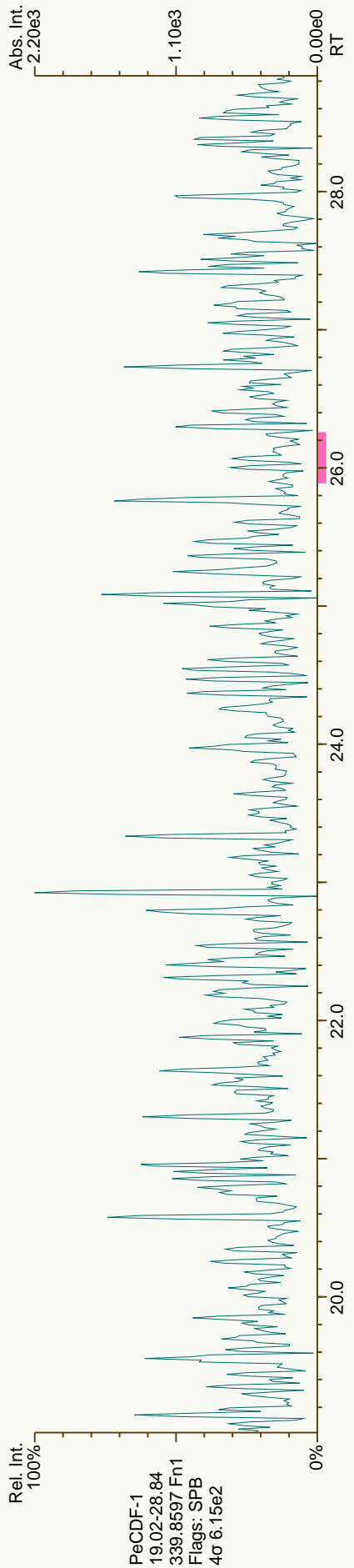


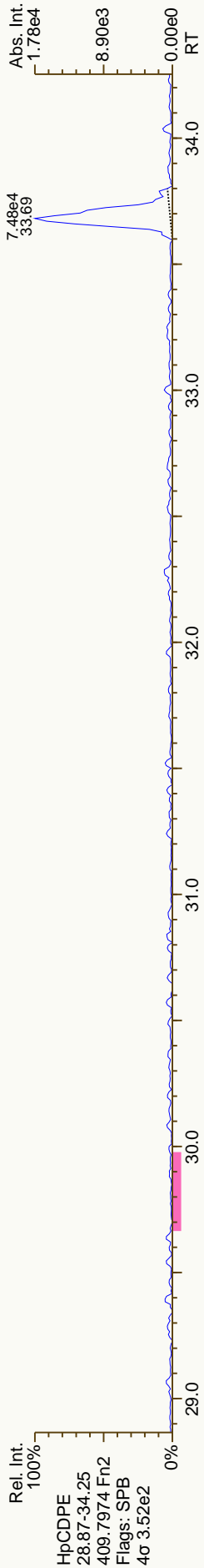
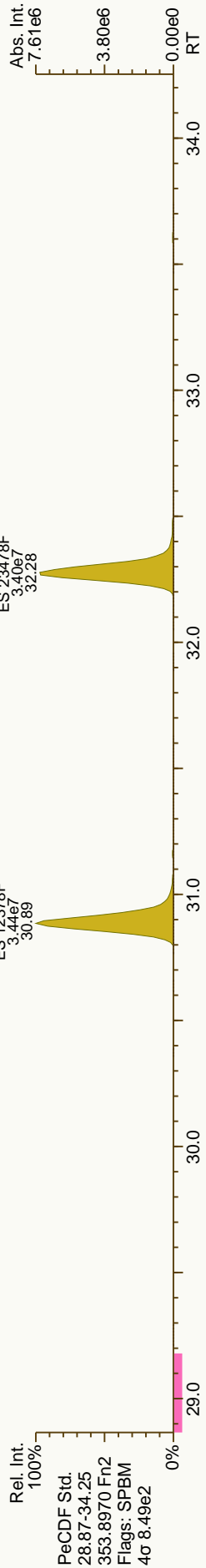
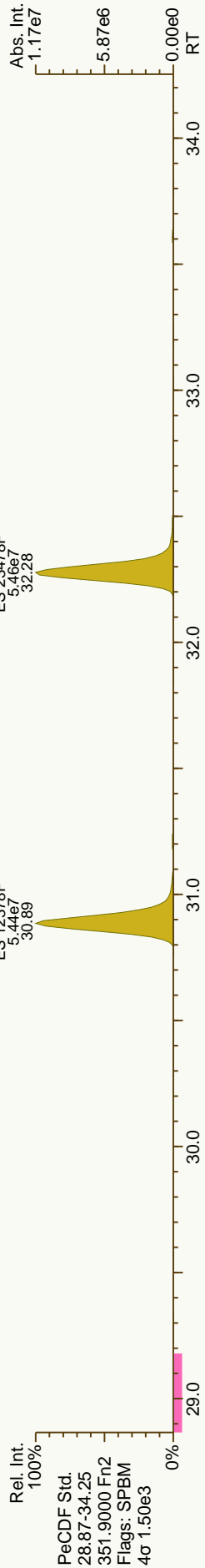
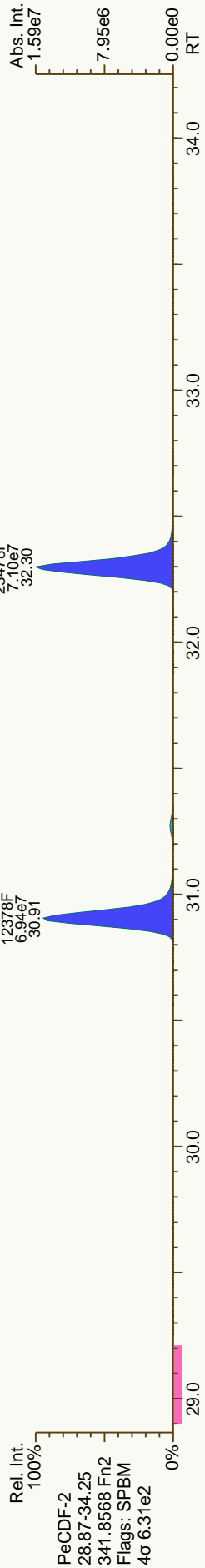
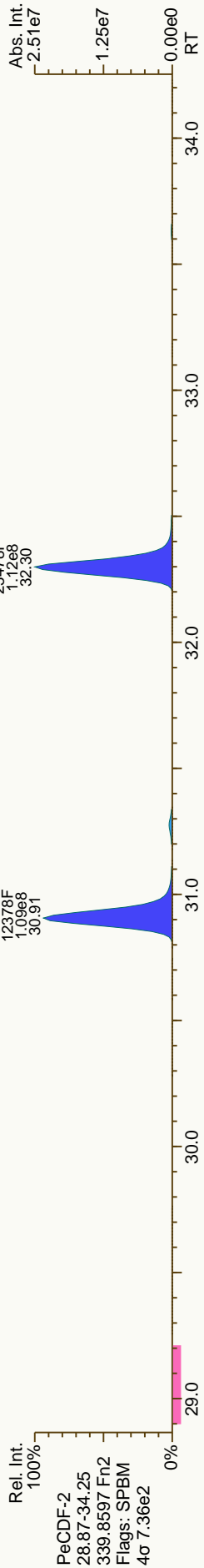


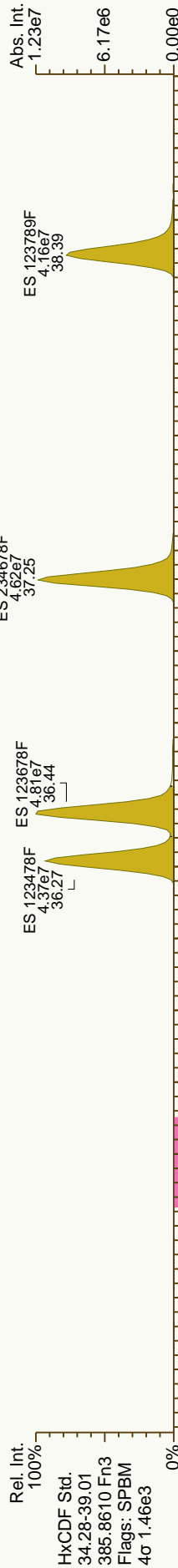
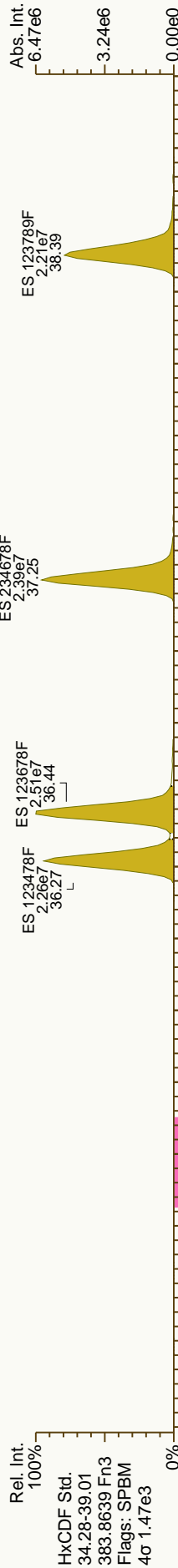
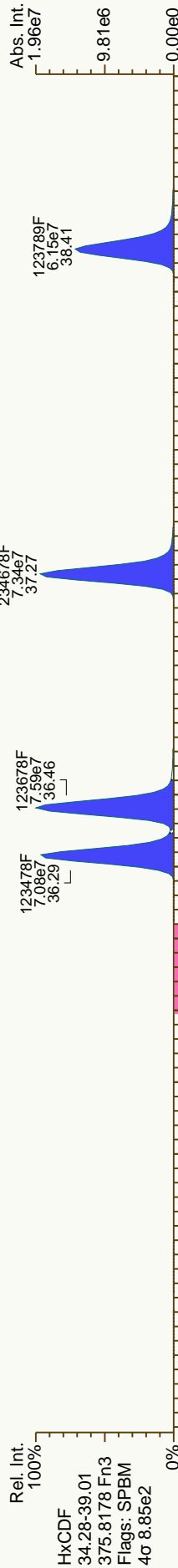
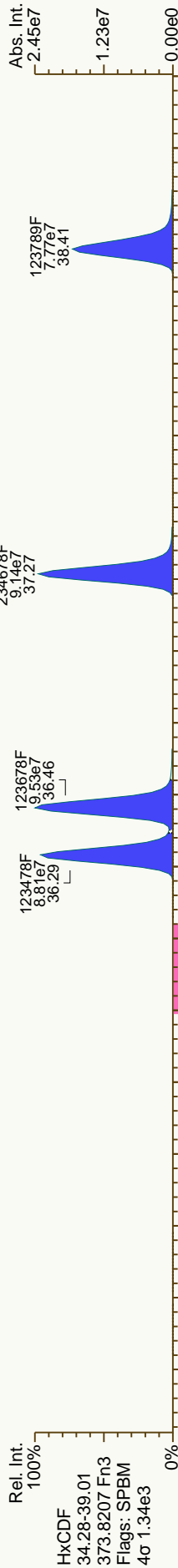


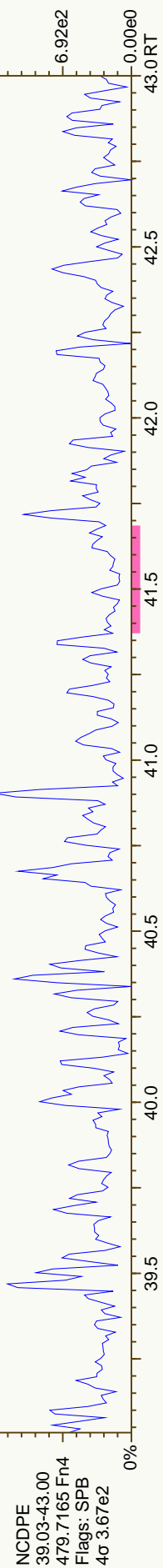
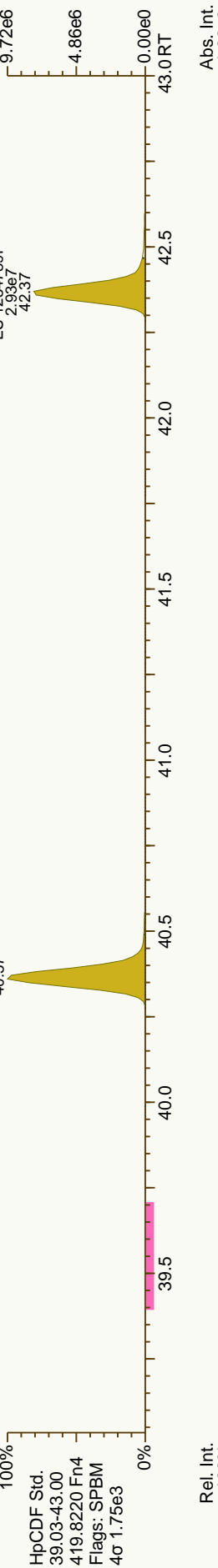
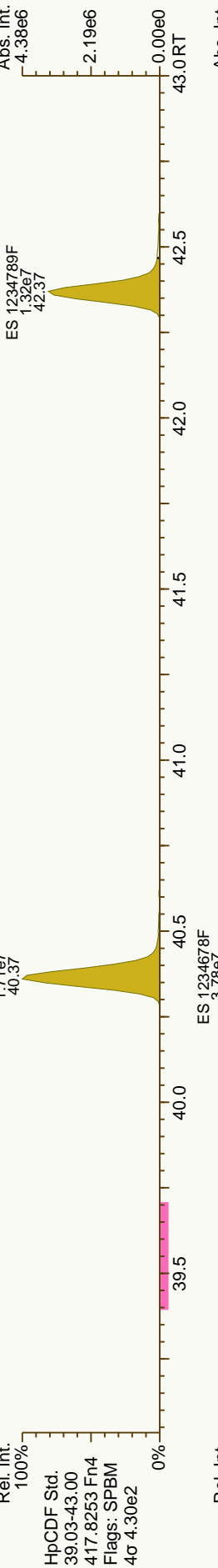
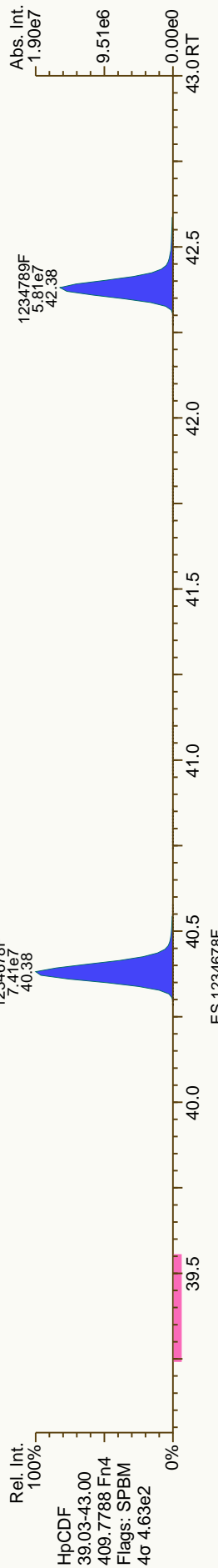
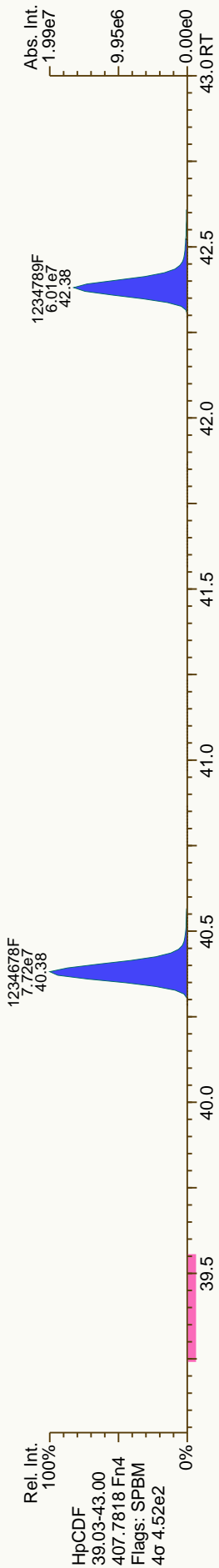


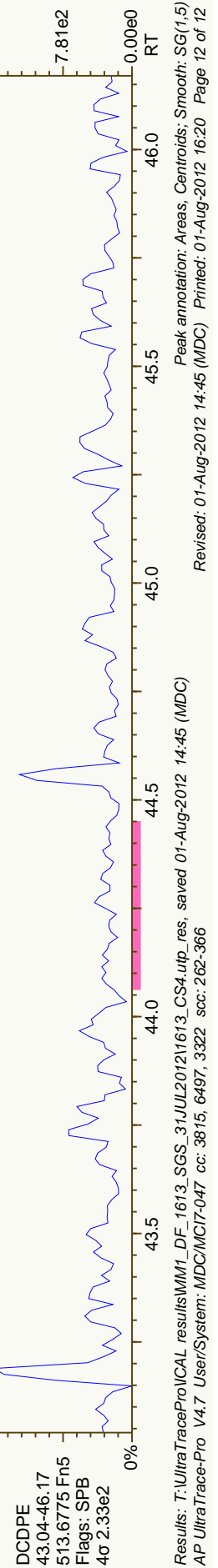
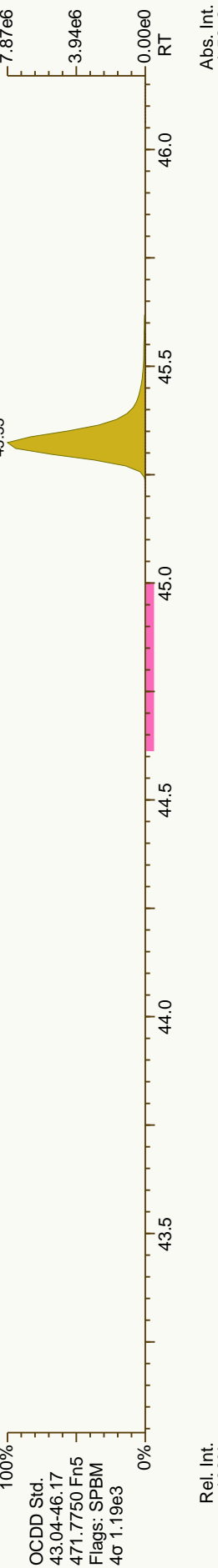
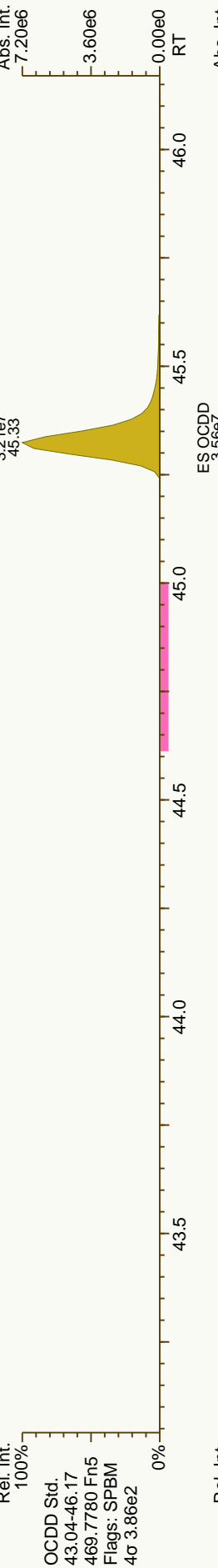
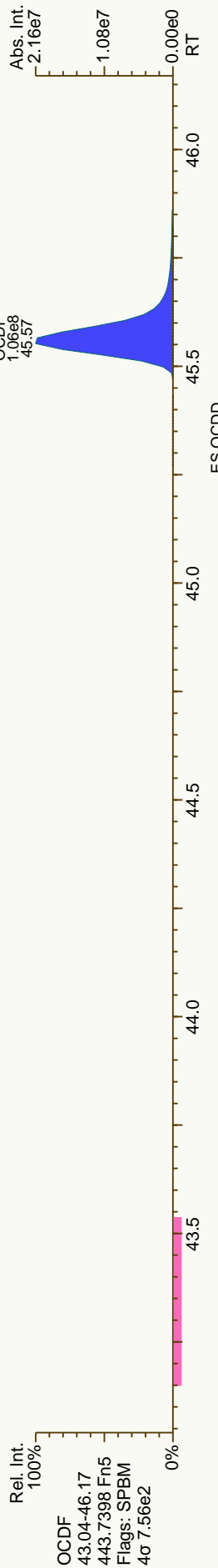
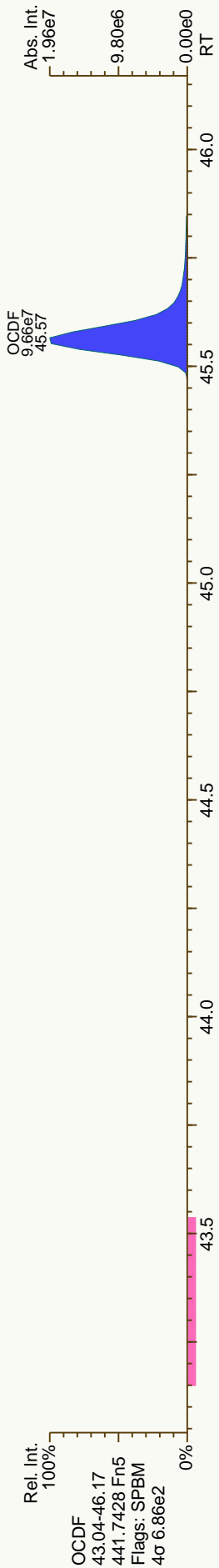












Dioxin/Furan QC Summary

Lab ID: 1613_CS5

Sample ID: 1613_CS5

Acq'd: 01 Aug 2012 14:38 MDC

UTP: 01-Aug-2012 15:36 MDC

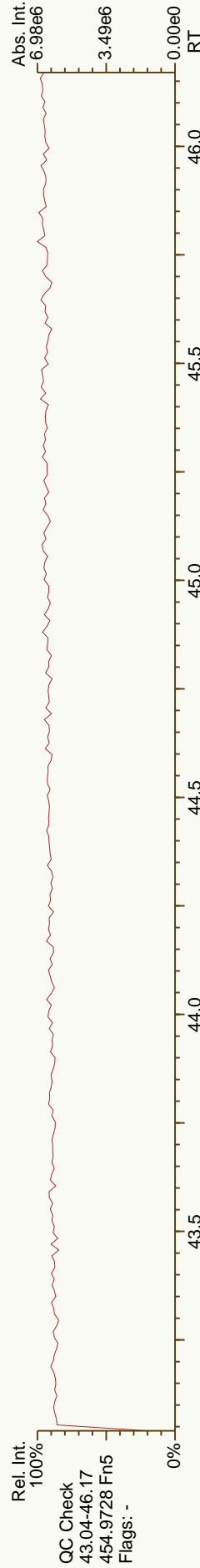
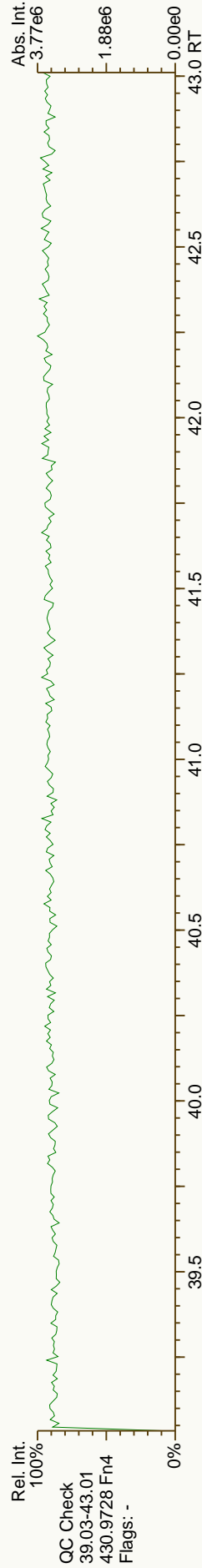
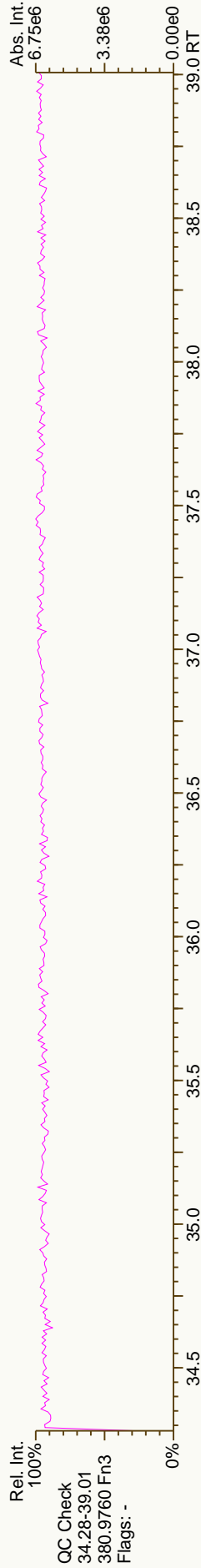
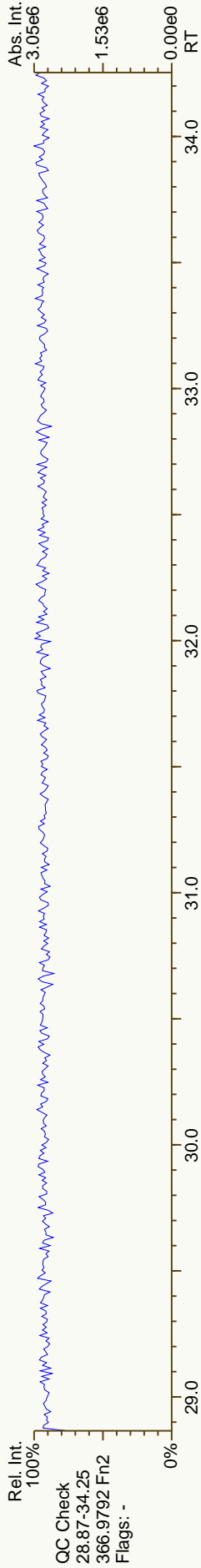
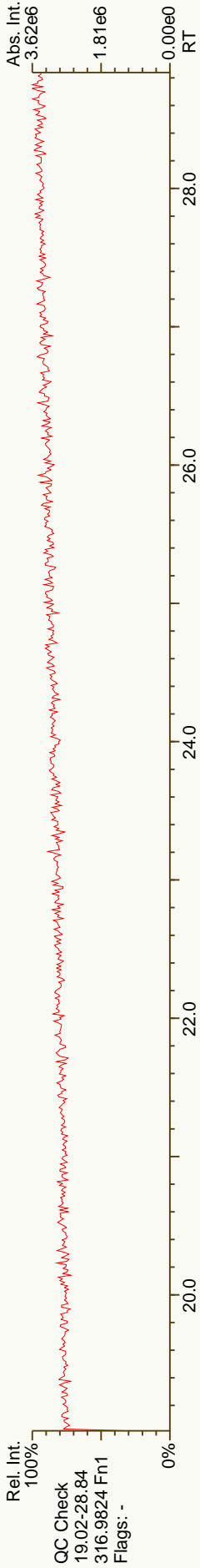
Report: 16 Oct 2012 09:39 MC

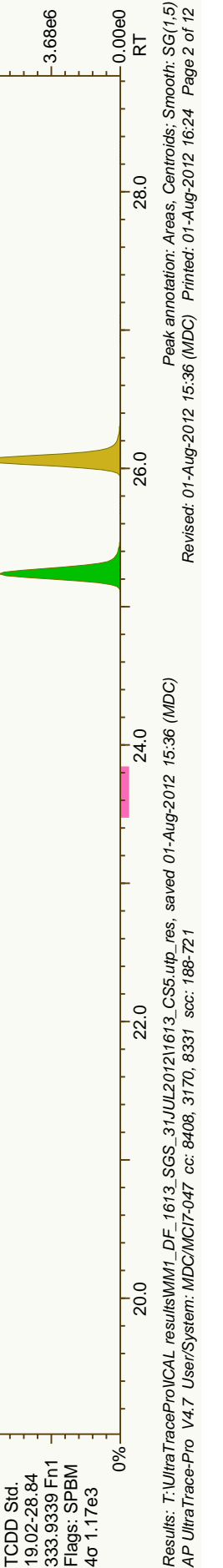
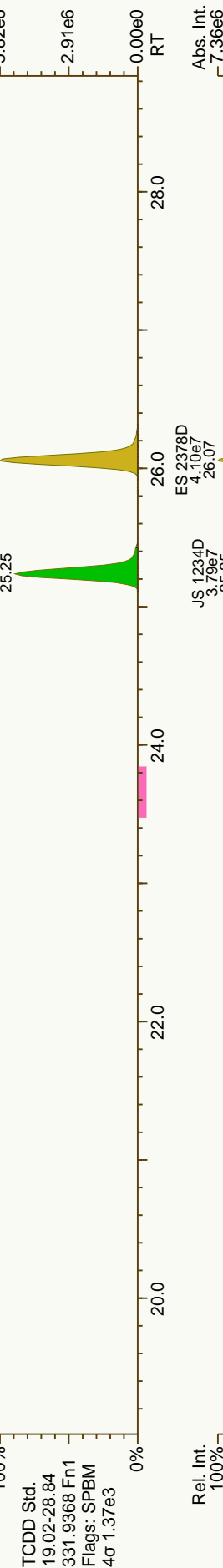
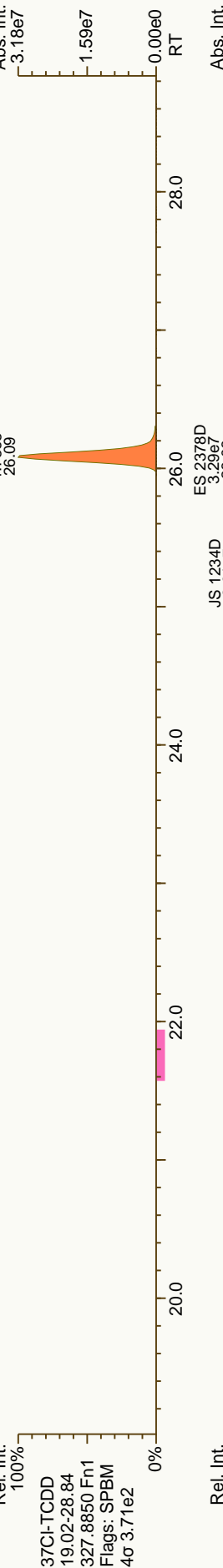
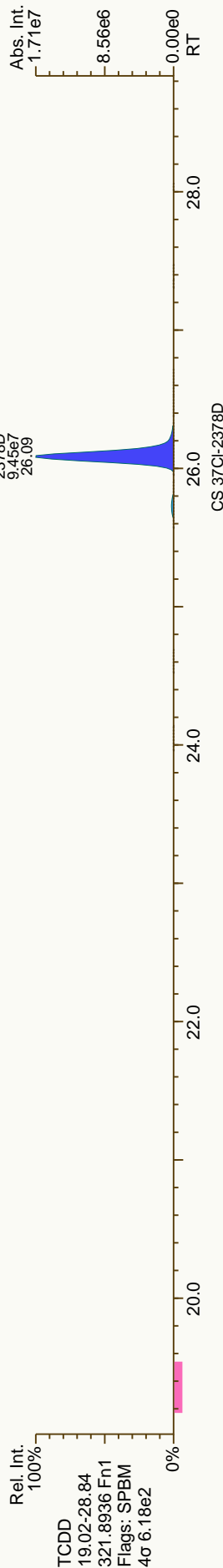
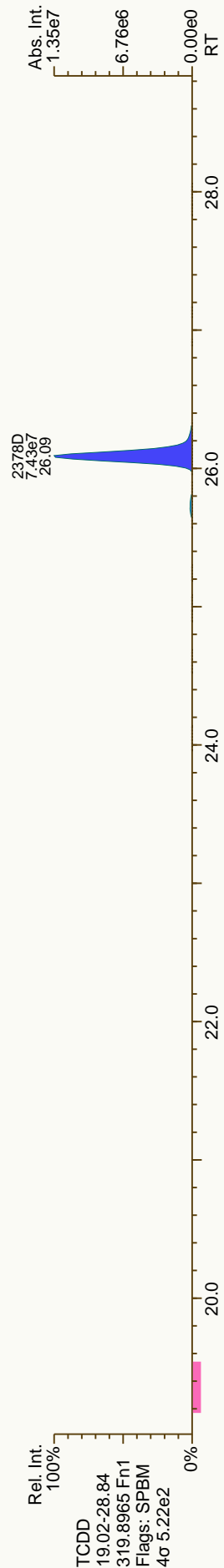
ICAL: 1613_SGS

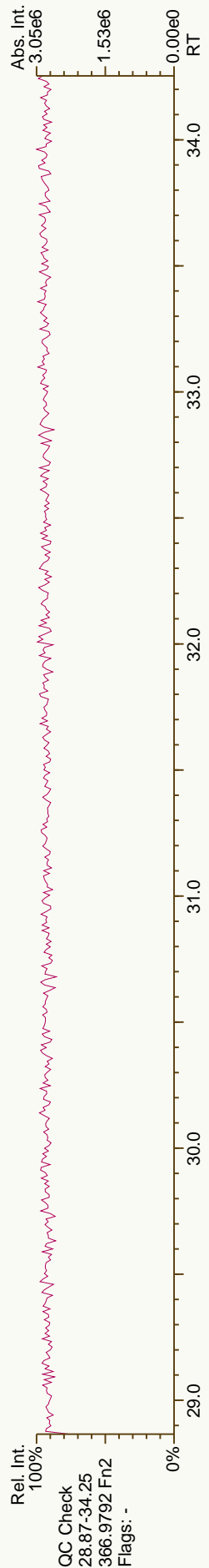
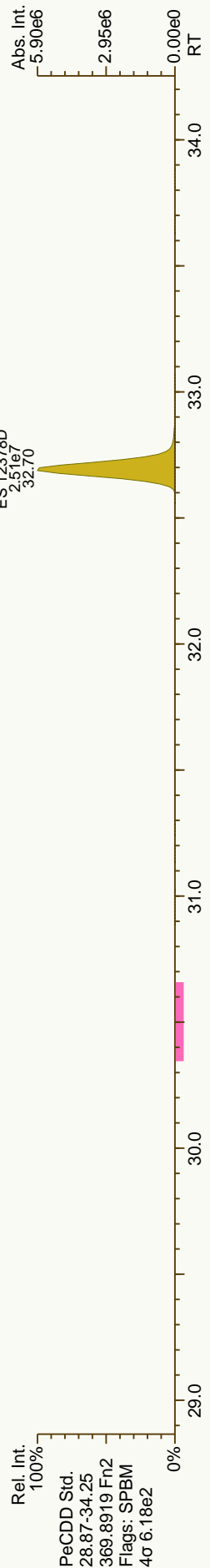
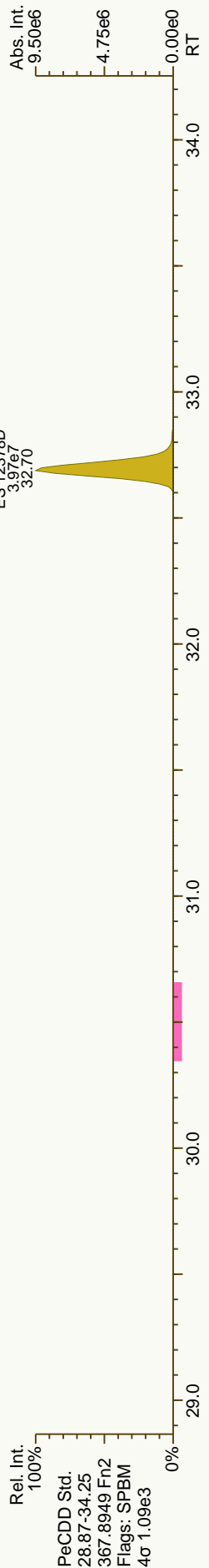
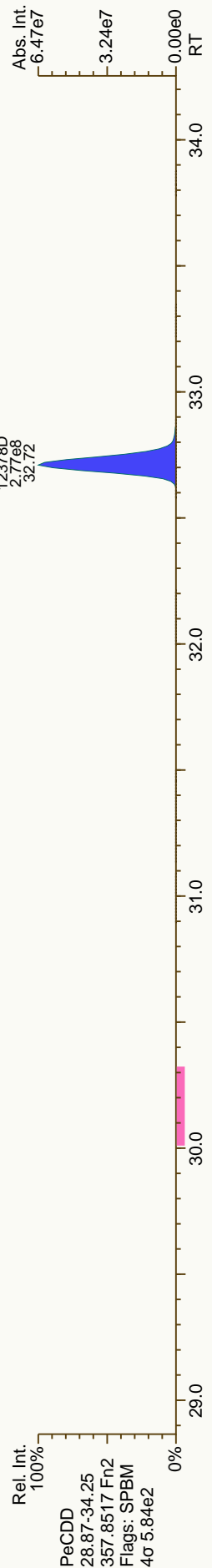
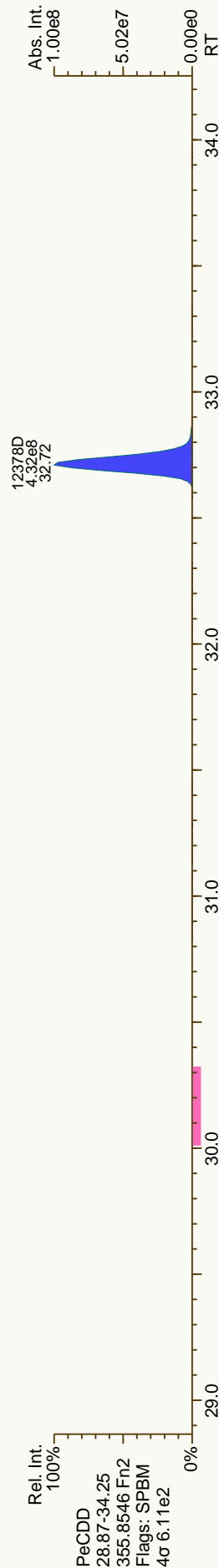
Checkcode: 188-721-YQG

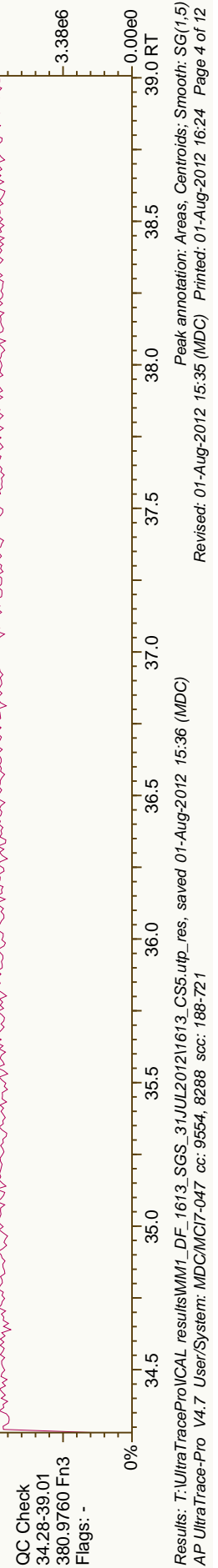
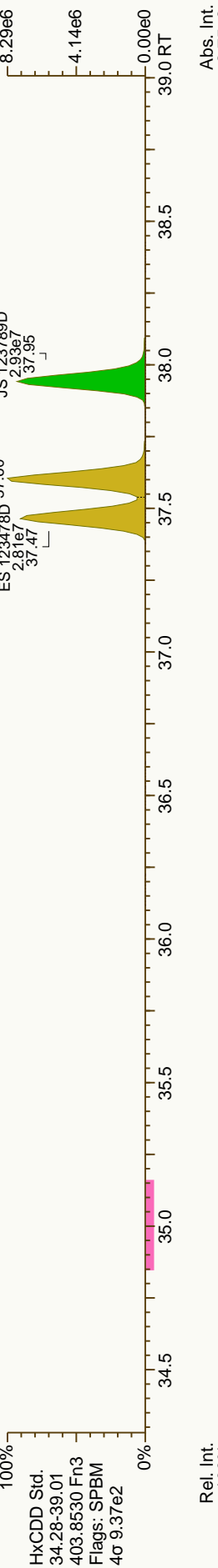
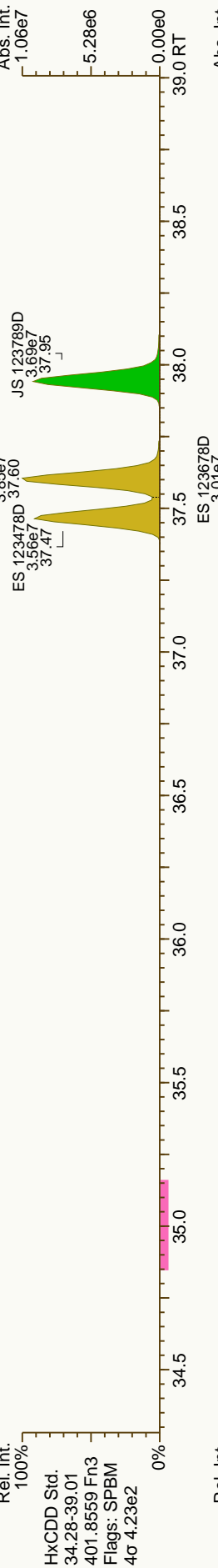
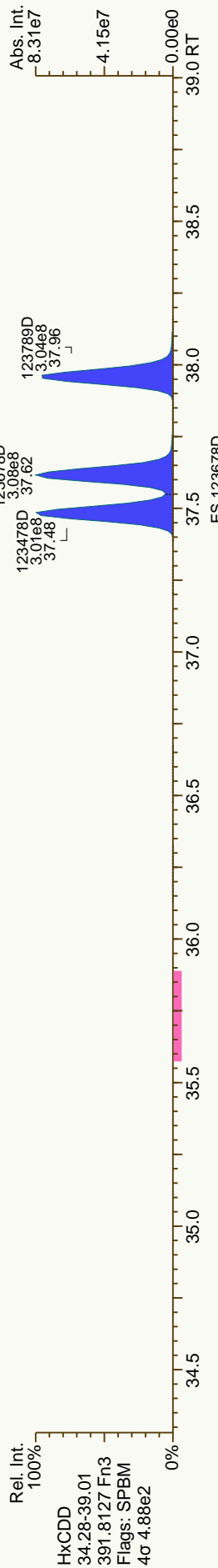
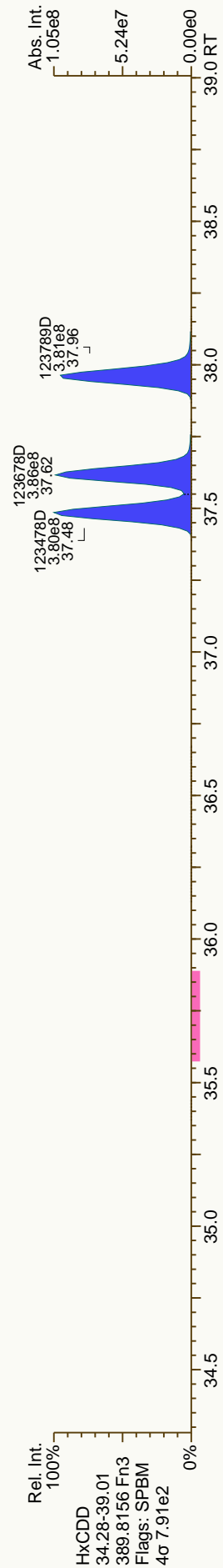
Datafile: 120801P2-06

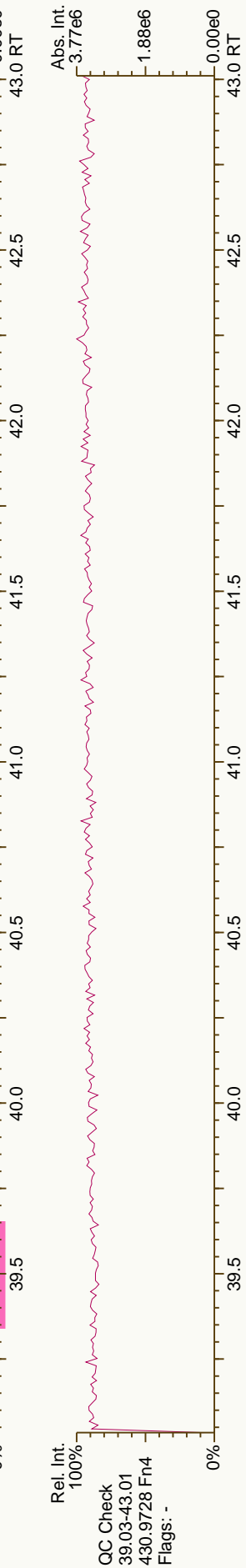
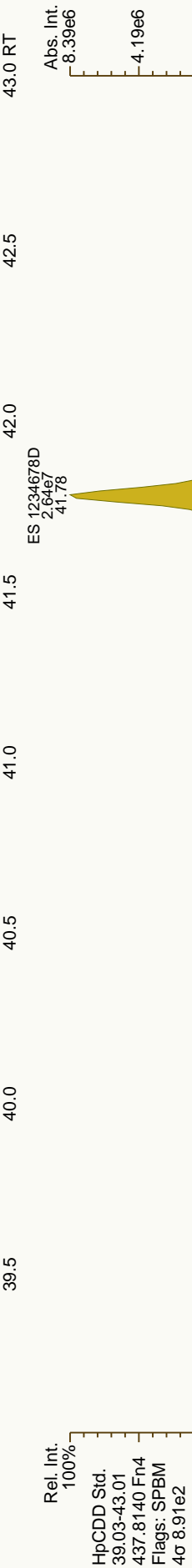
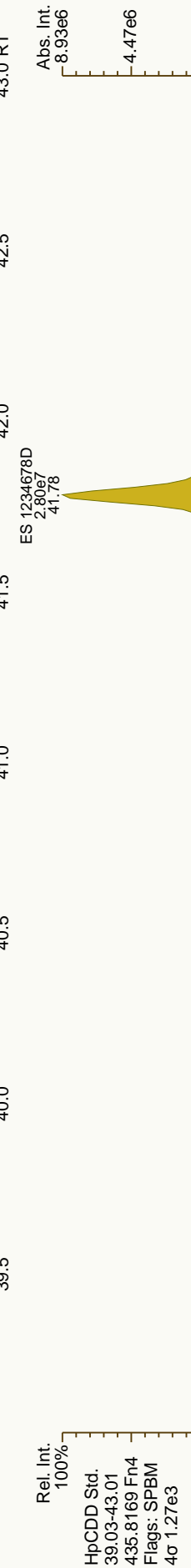
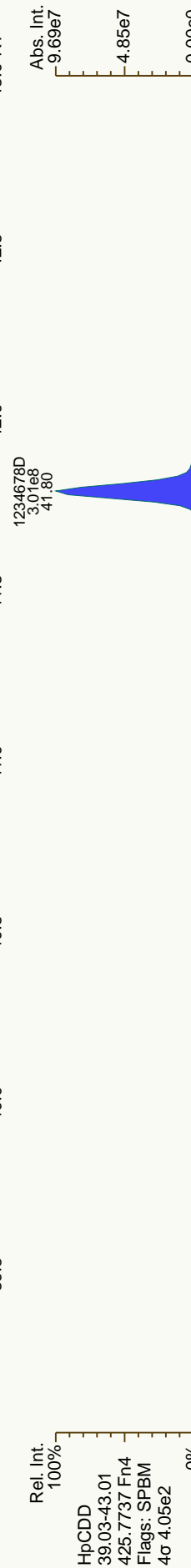
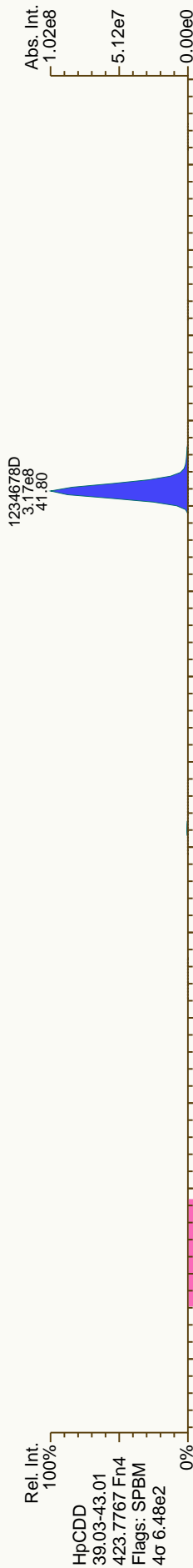
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.09	1.69E+08	0.79	Y	1.08	1.14	5%
12378-PeCDD	32.72	7.09E+08	1.56	Y	1.07	1.09	2%
123478-HxCDD	37.48	6.81E+08	1.26	Y	1.05	1.07	2%
123678-HxCDD	37.62	6.93E+08	1.25	Y	0.98	1.01	3%
123789-HxCDD	37.96	6.85E+08	1.25	Y	1.01	1.04	3%
1234678-HpCDD	41.80	6.19E+08	1.05	Y	1.09	1.14	4%
OCDD	45.33	1.08E+09	0.90	Y	1.11	1.14	3%
2378-TCDF	25.02	2.40E+08	0.79	Y	0.98	0.98	1%
12378-PeCDF	30.90	1.12E+09	1.58	Y	0.99	1.02	3%
23478-PeCDF	32.29	1.15E+09	1.58	Y	1.02	1.06	4%
123478-HxCDF	36.28	1.00E+09	1.25	Y	1.19	1.22	3%
123678-HxCDF	36.45	1.08E+09	1.25	Y	1.16	1.19	3%
234678-HxCDF	37.26	1.04E+09	1.25	Y	1.18	1.19	1%
123789-HxCDF	38.39	9.09E+08	1.25	Y	1.09	1.12	3%
1234678-HpCDF	40.37	1.01E+09	1.03	Y	1.35	1.39	3%
1234789-HpCDF	42.37	8.03E+08	1.04	Y	1.34	1.38	3%
OCDF	45.55	1.46E+09	0.91	Y	1.40	1.54	10%
ES 2378-TCDD	26.06	7.39E+07	0.80	Y	1.04	1.09	4%
ES 12378-PeCDD	32.70	6.49E+07	1.58	Y	0.87	0.95	10%
ES 123478-HxCDD	37.47	6.36E+07	1.27	Y	0.94	0.96	2%
ES 123678-HxCDD	37.60	6.86E+07	1.28	Y	1.06	1.04	-2%
ES 1234678-HpCDD	41.78	5.44E+07	1.06	Y	0.80	0.82	3%
ES OCDD	45.32	9.50E+07	0.90	Y	0.63	0.72	14%
ES 2378-TCDF	24.99	1.22E+08	0.79	Y	1.74	1.80	3%
ES 12378-PeCDF	30.88	1.10E+08	1.59	Y	1.49	1.61	8%
ES 23478-PeCDF	32.27	1.09E+08	1.59	Y	1.48	1.60	8%
ES 123478-HxCDF	36.26	8.23E+07	0.52	Y	1.27	1.24	-2%
ES 123678-HxCDF	36.43	9.12E+07	0.53	Y	1.41	1.38	-2%
ES 234678-HpCDF	37.24	8.73E+07	0.52	Y	1.34	1.32	-2%
ES 123789-HpCDF	38.37	8.09E+07	0.52	Y	1.20	1.22	1%
ES 1234678-HpCDF	40.35	7.25E+07	0.46	Y	1.06	1.10	3%
ES 1234789-HpCDF	42.35	5.81E+07	0.45	Y	0.82	0.88	7%

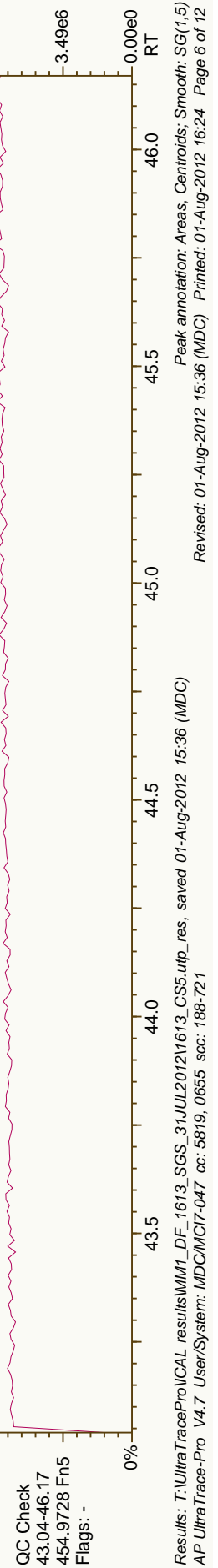
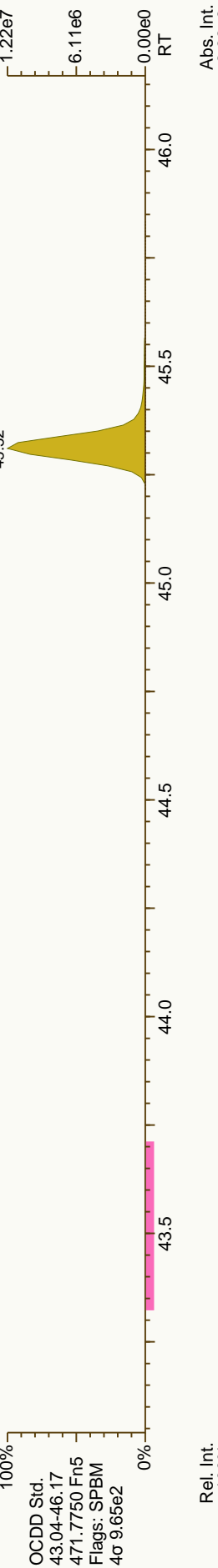
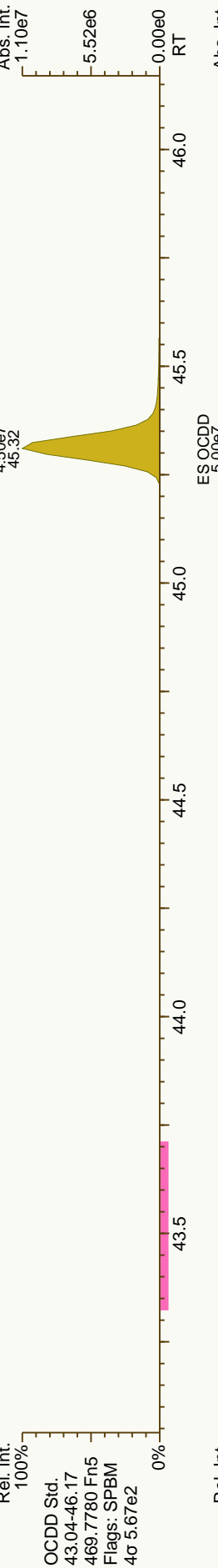
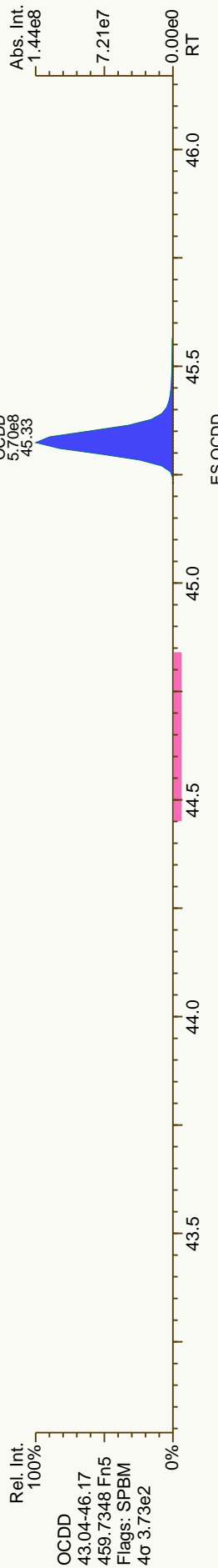
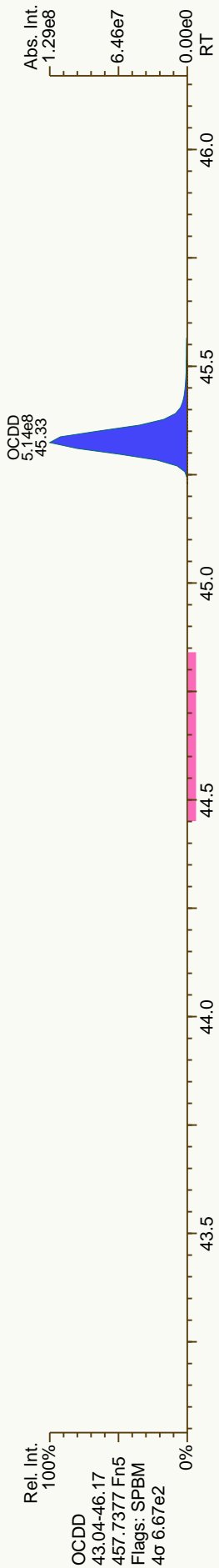


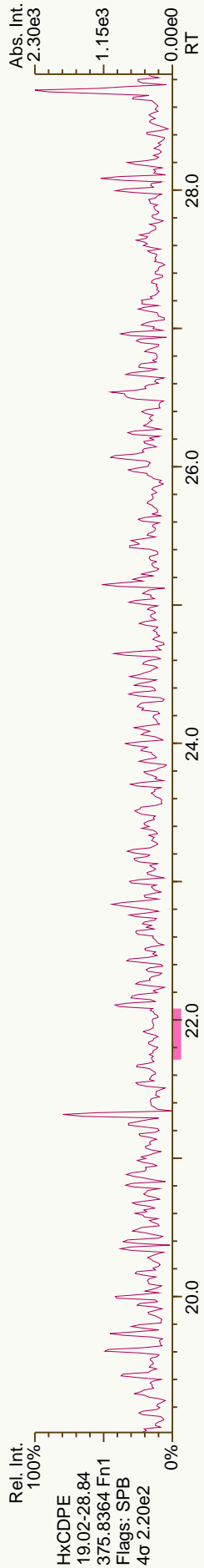
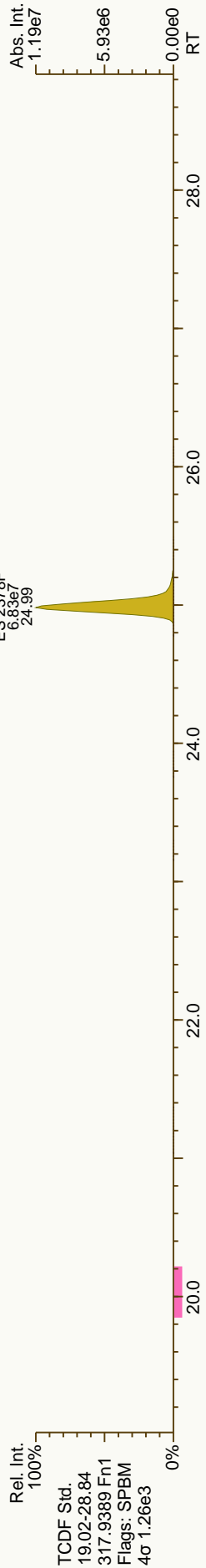
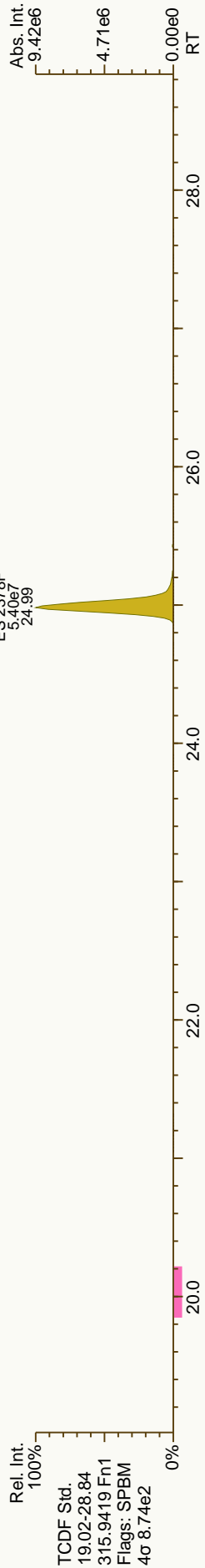
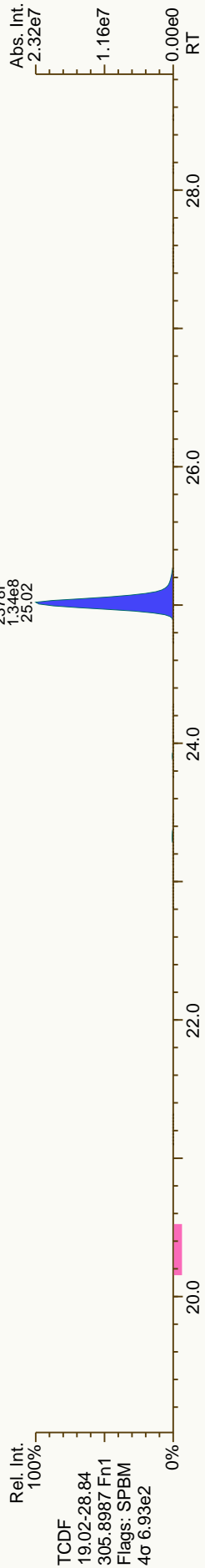
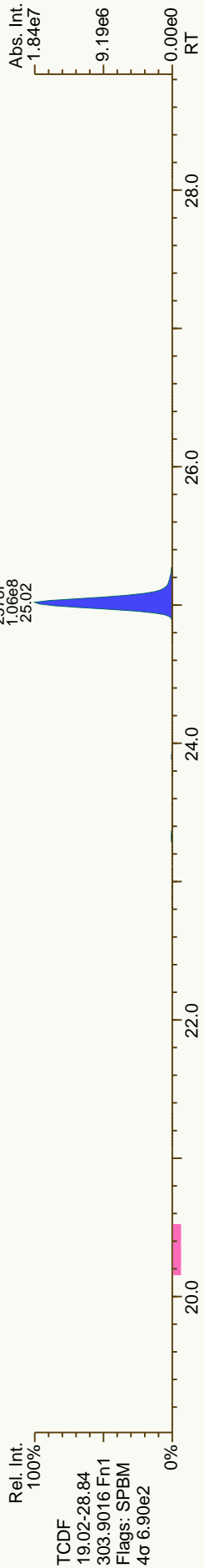


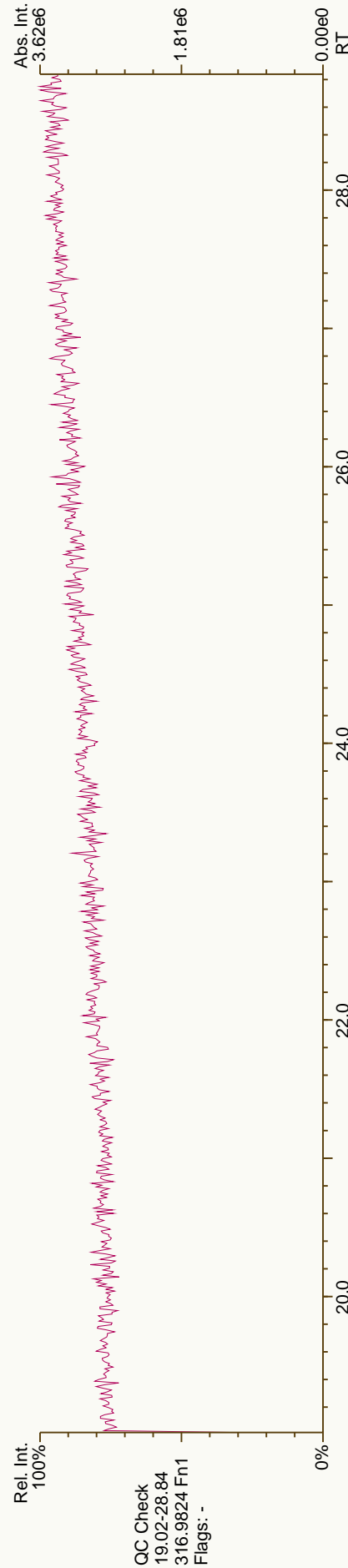
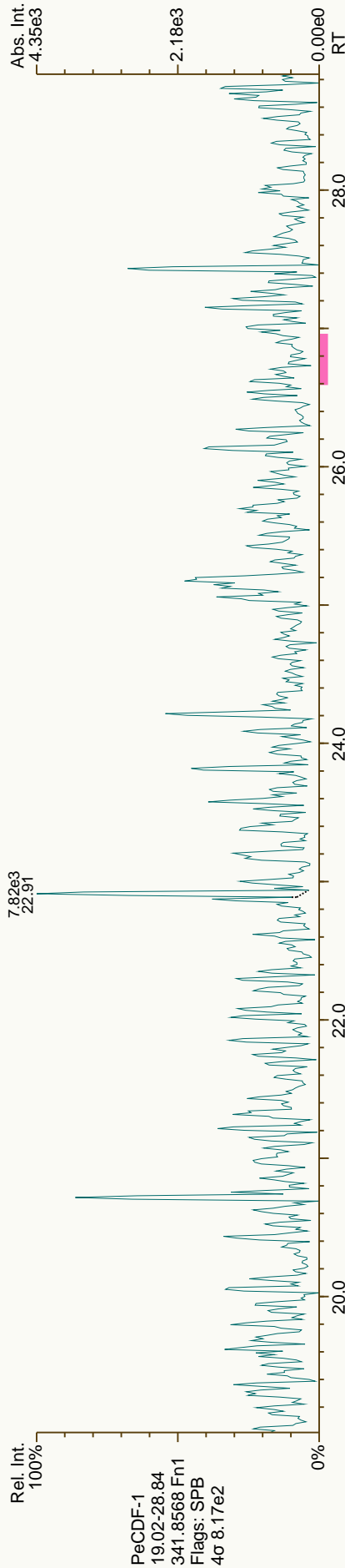
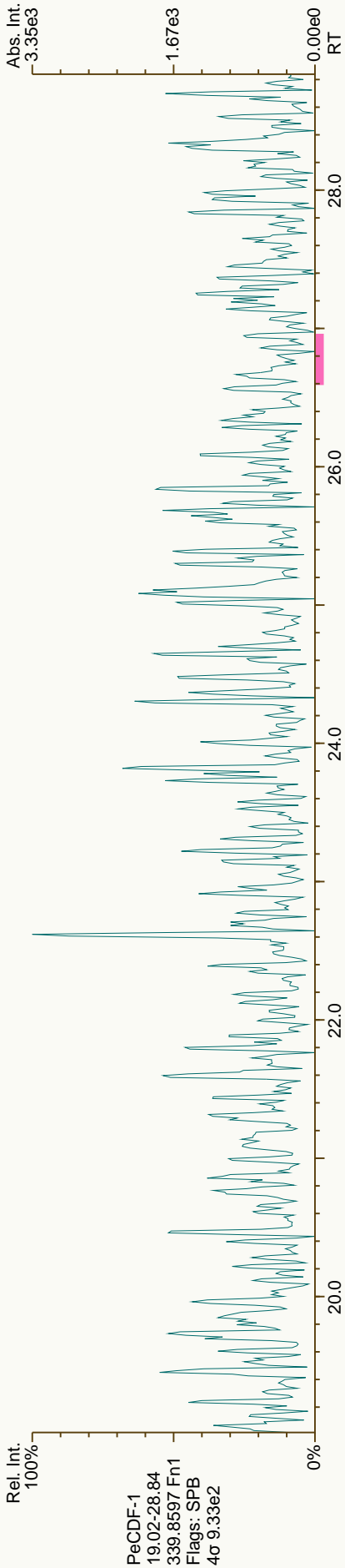


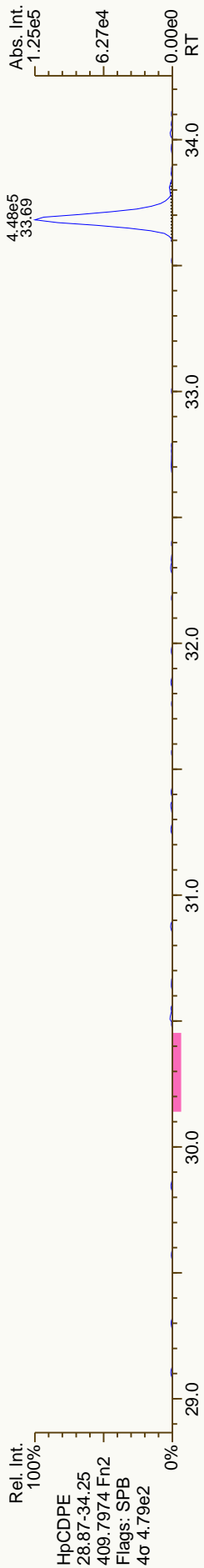
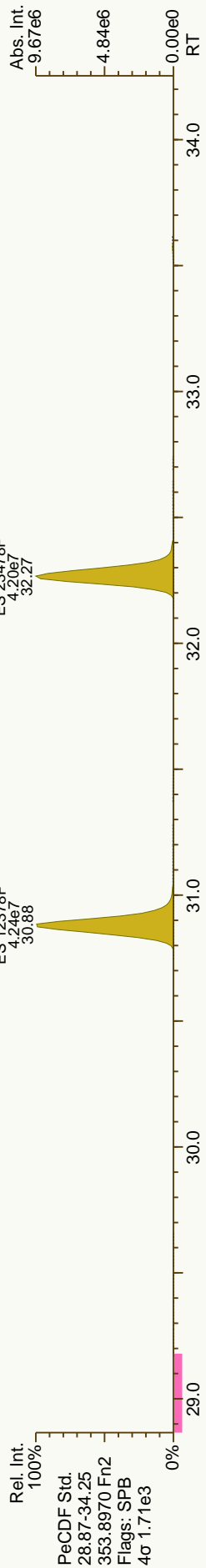
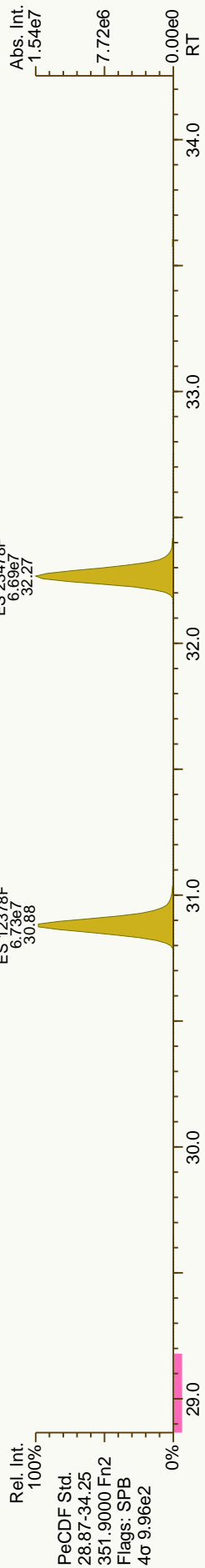
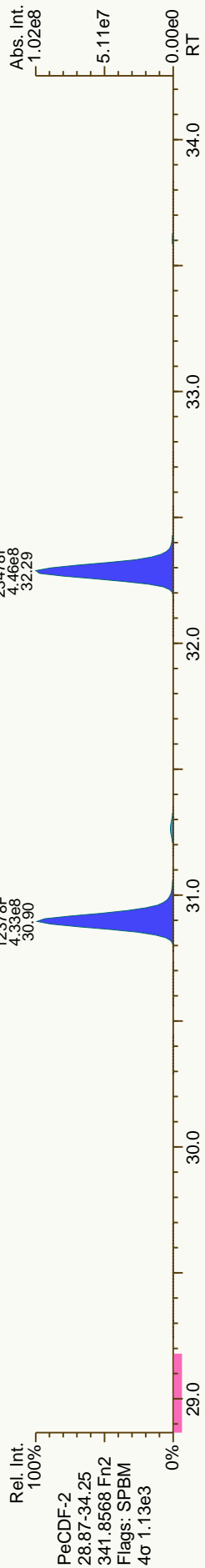
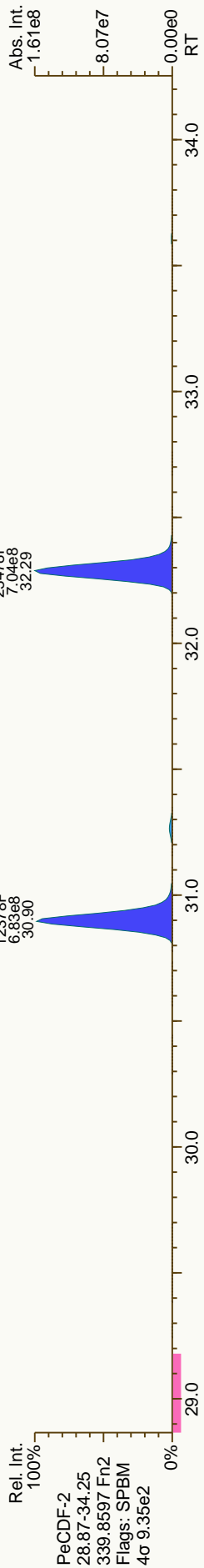


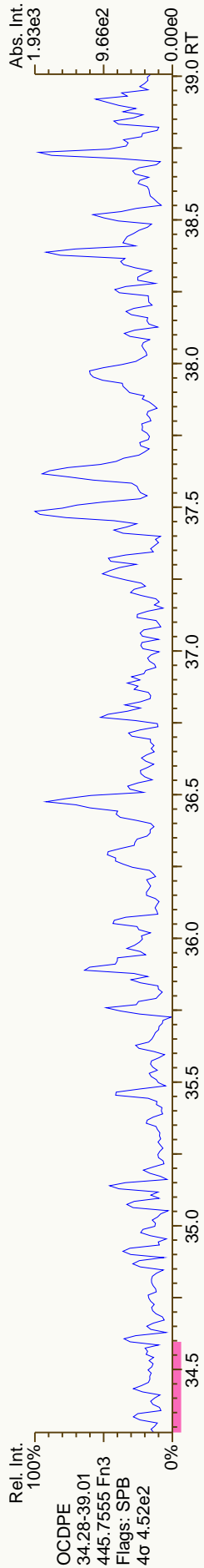
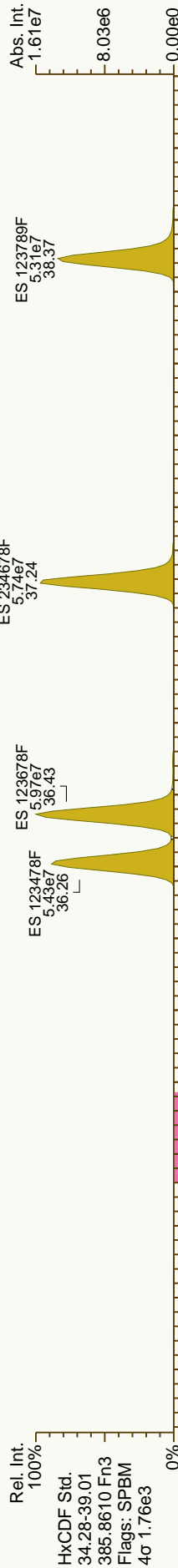
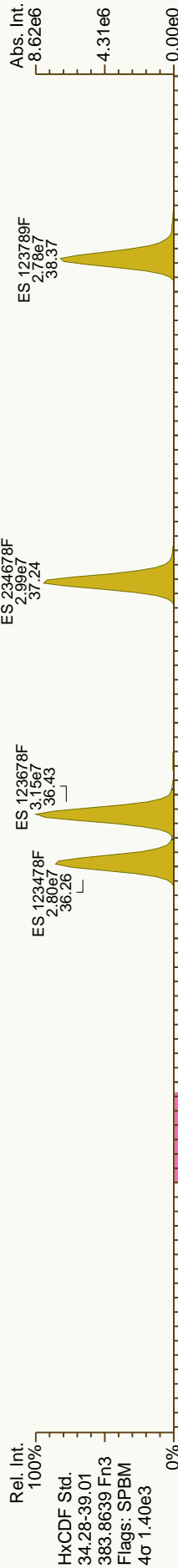
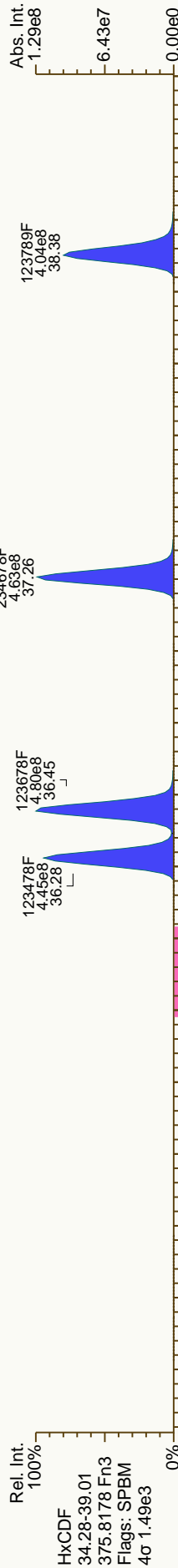
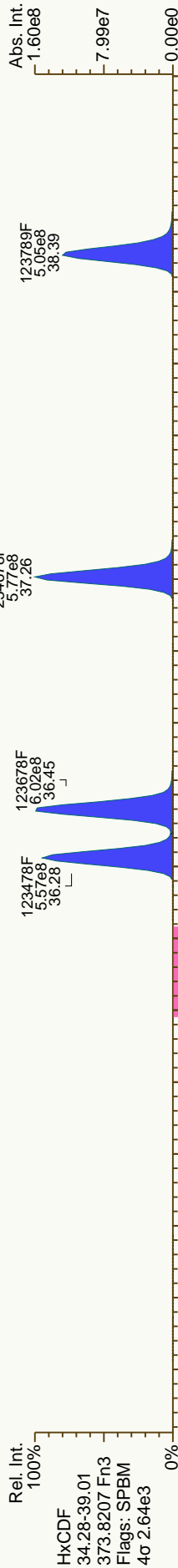


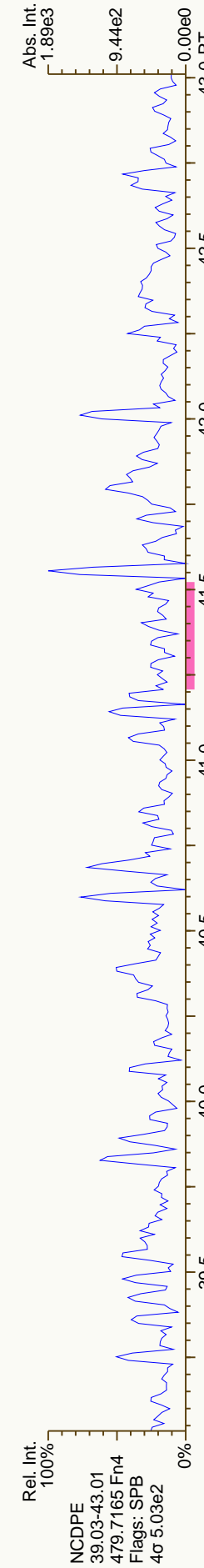
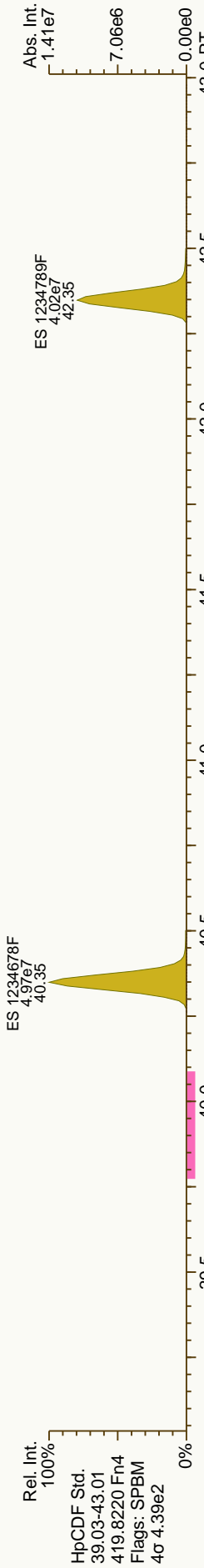
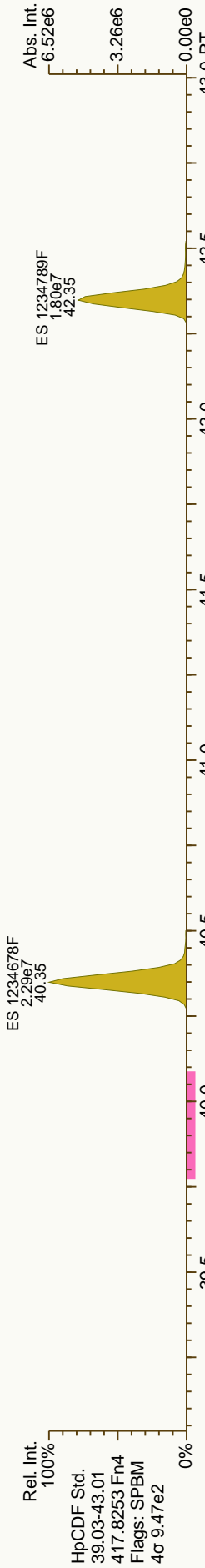
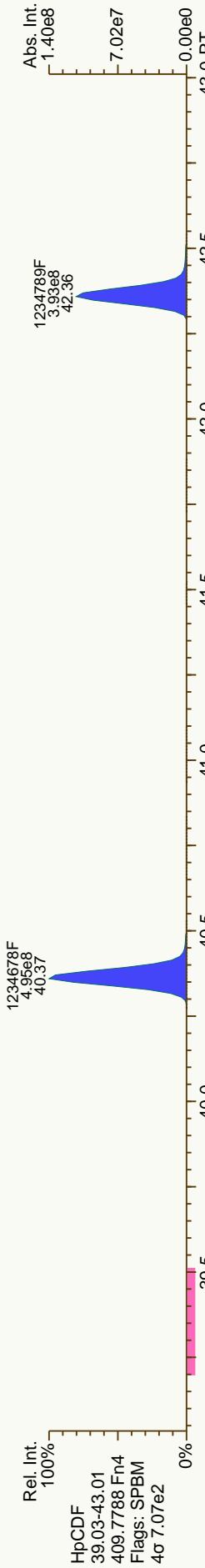
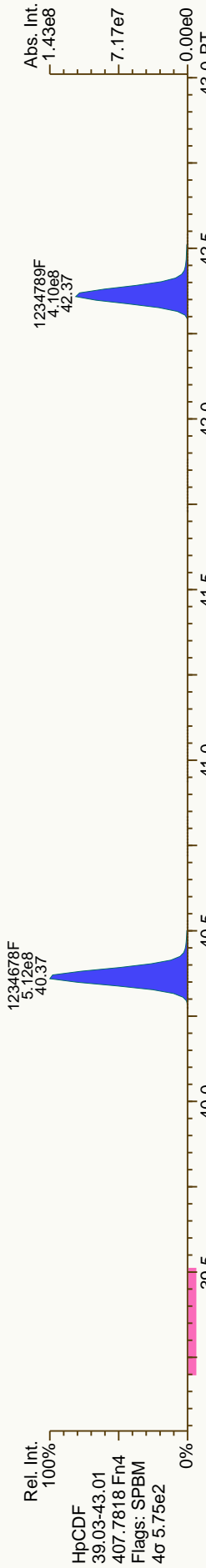


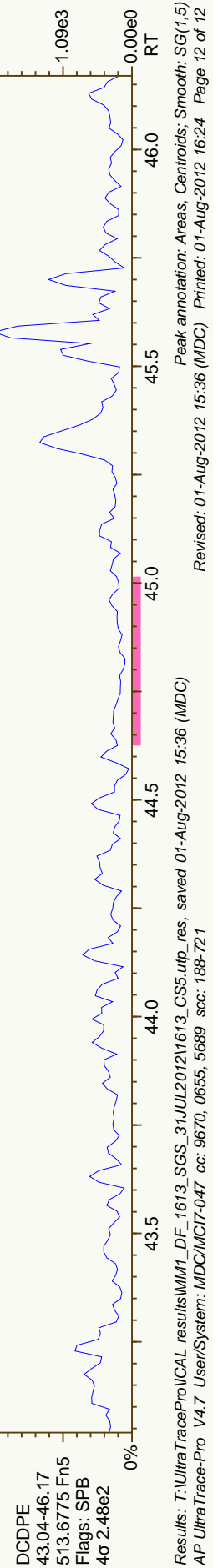
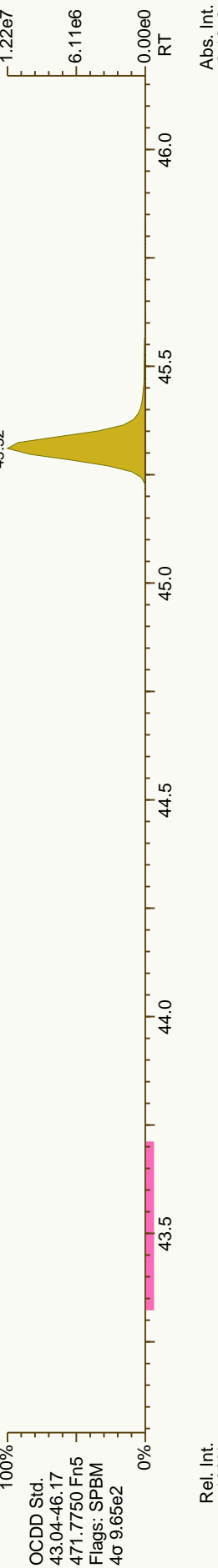
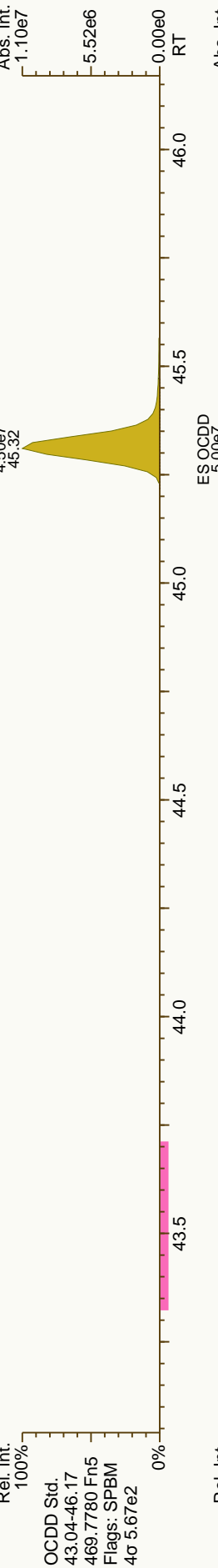
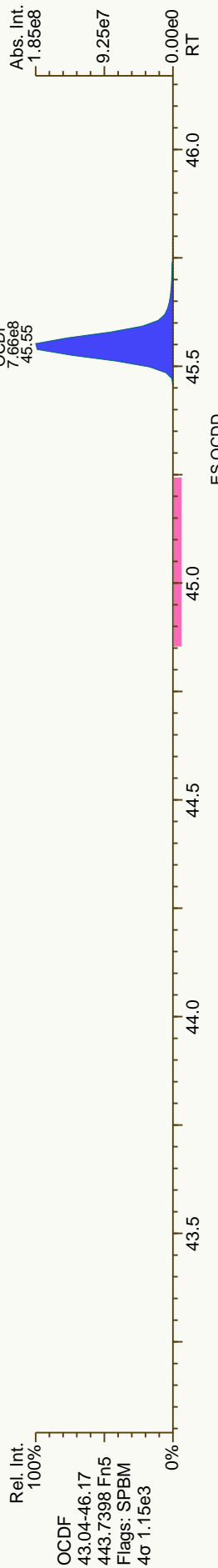
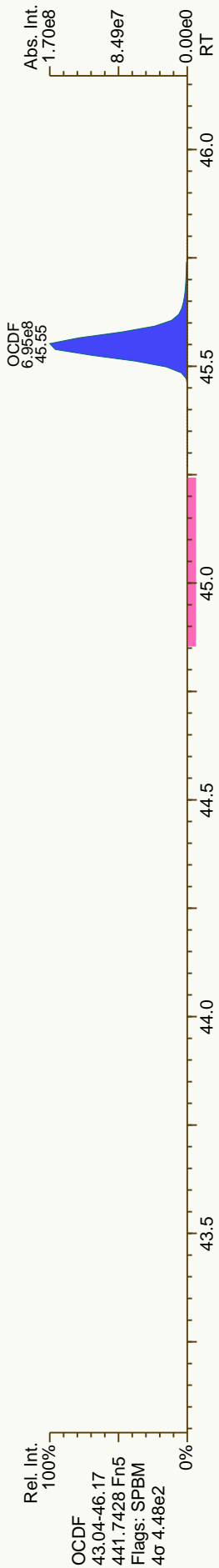


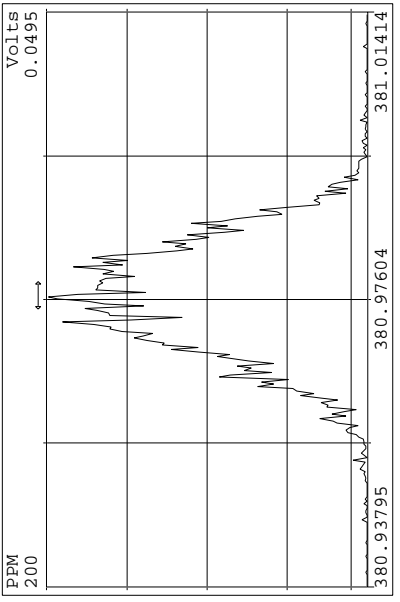
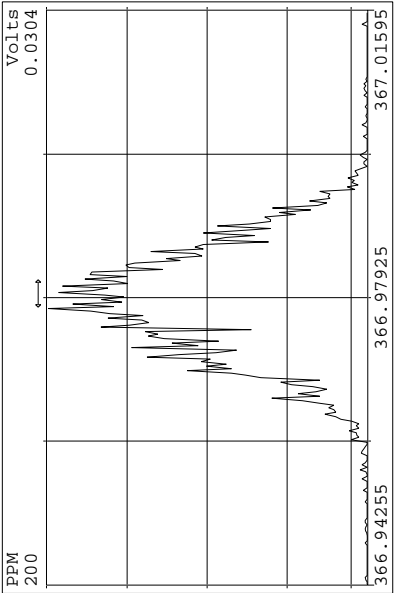
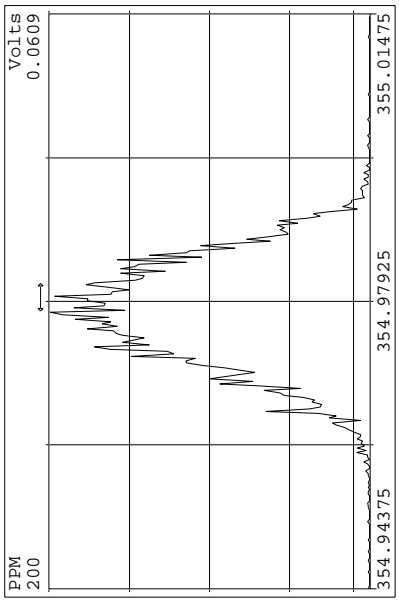
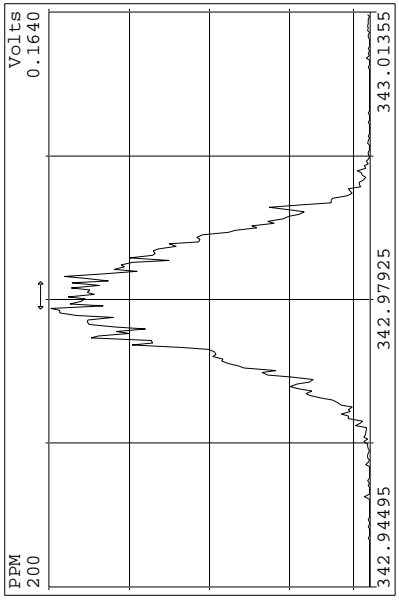
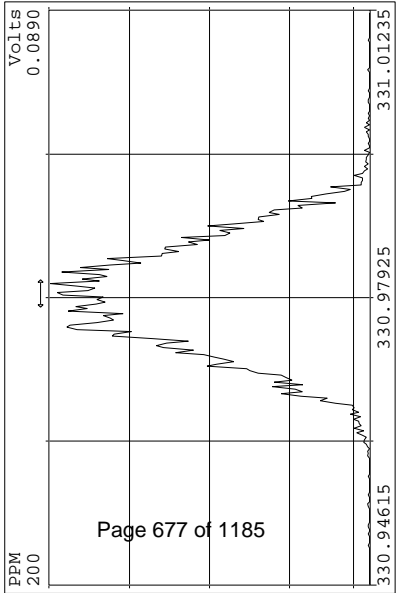
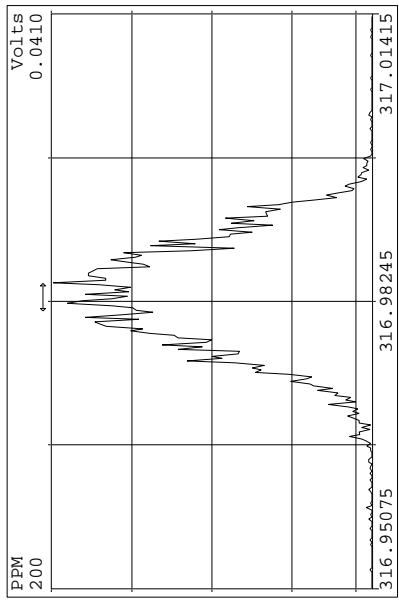
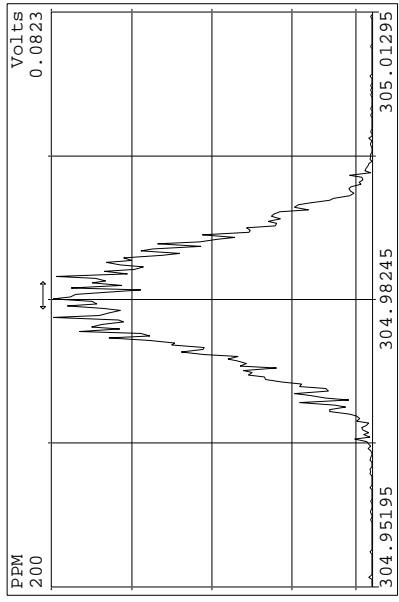
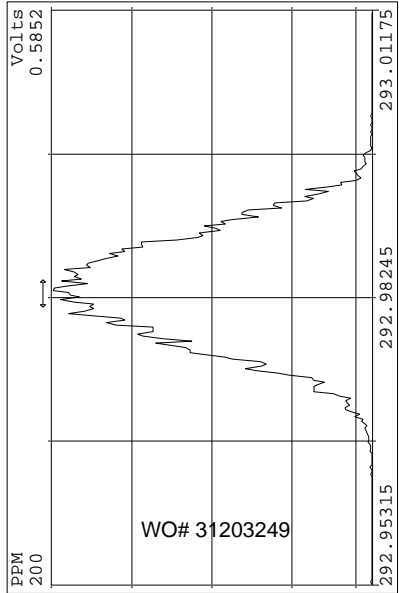


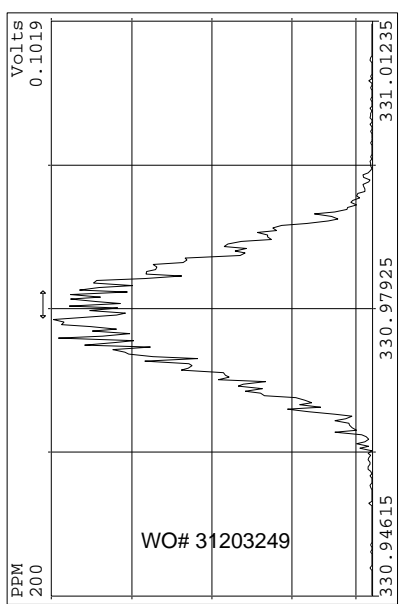




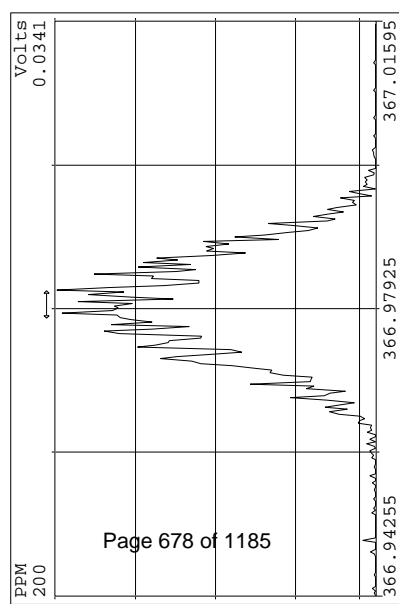




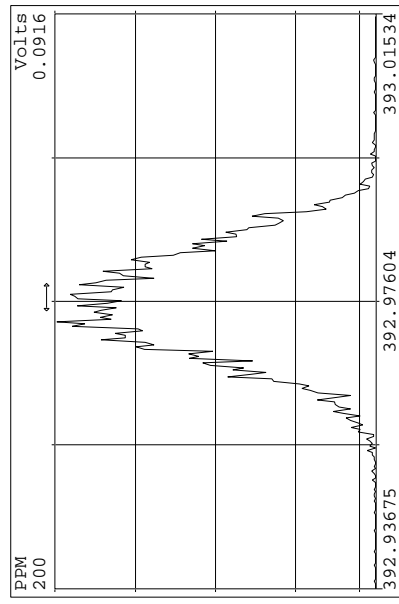
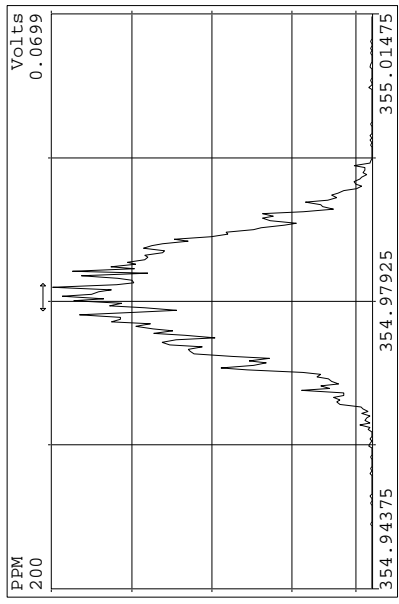
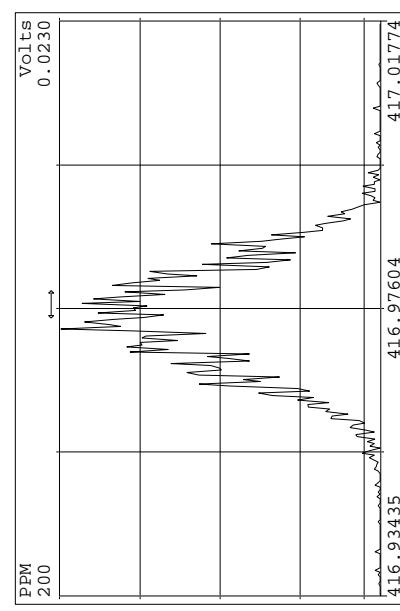
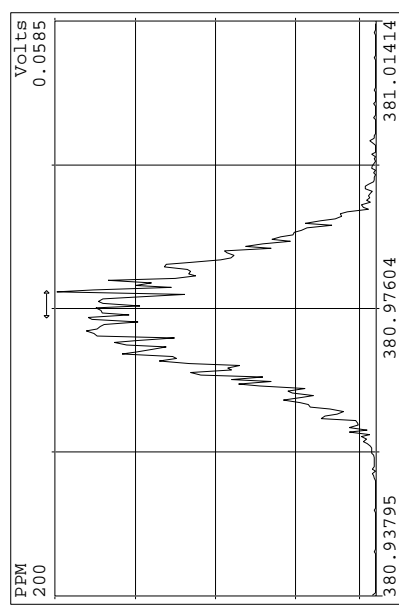
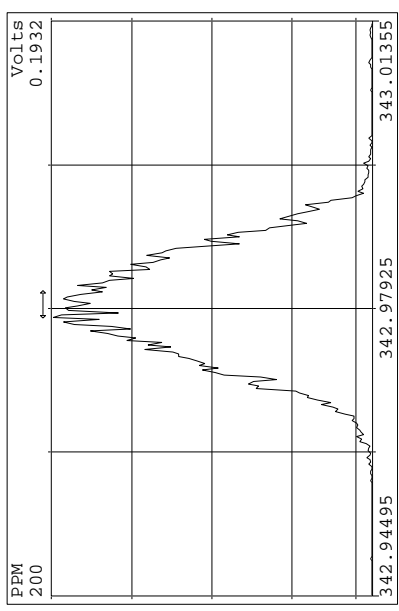


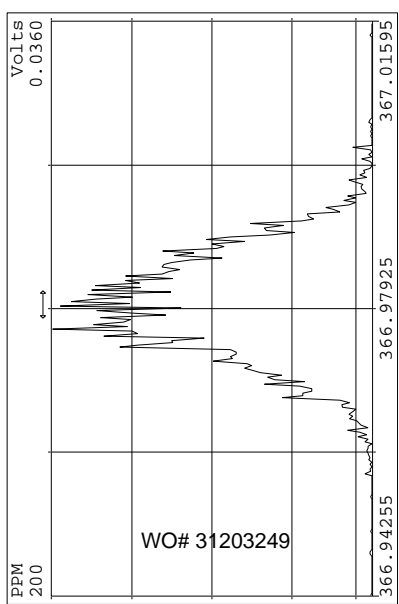


WO# 31203249

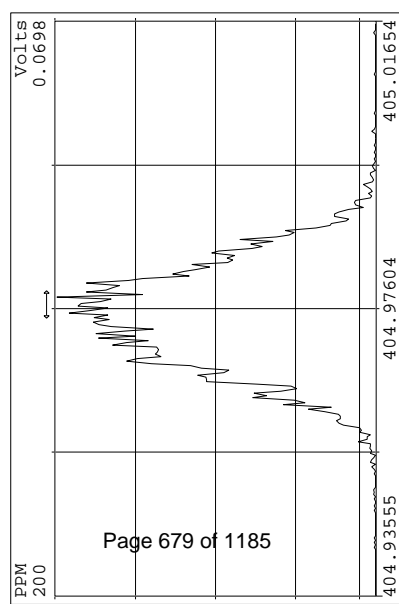
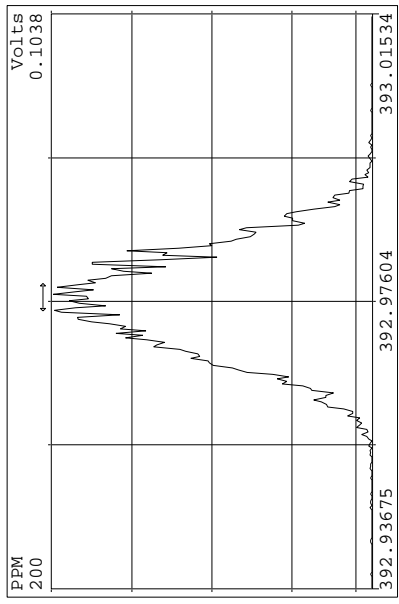
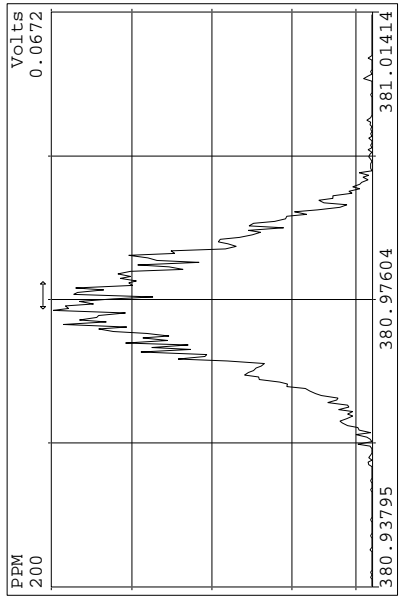


Page 678 of 1185

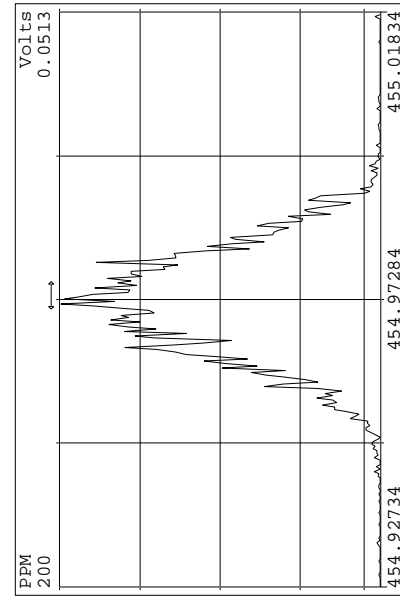
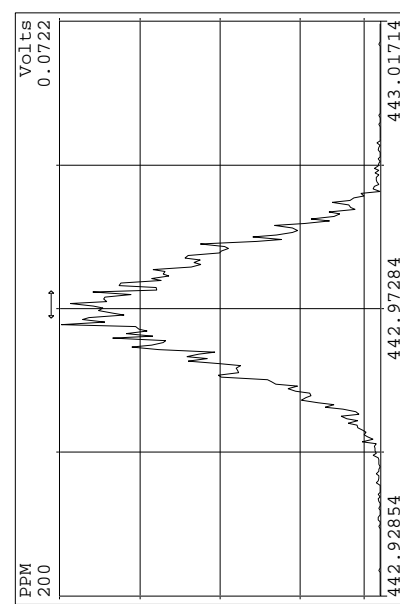
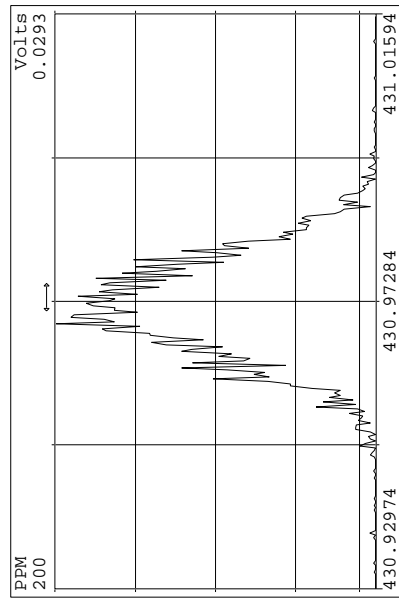
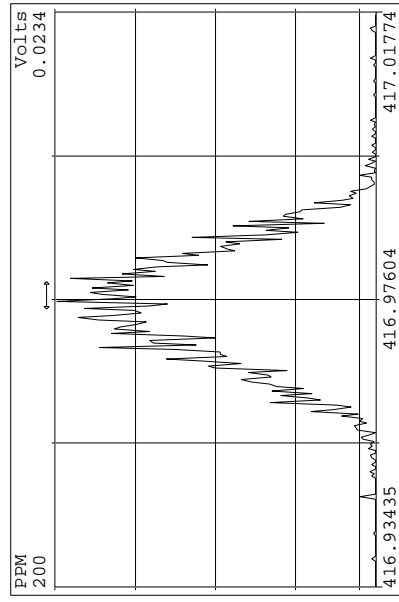


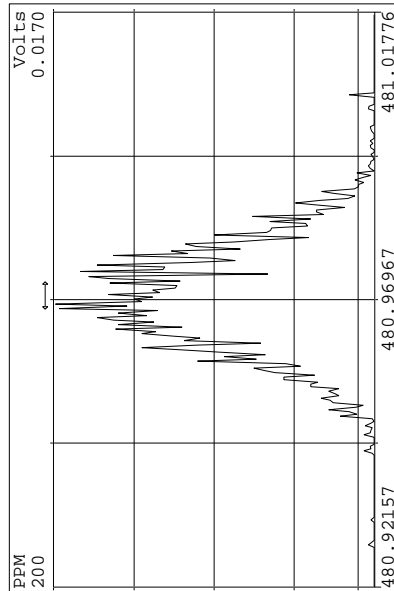
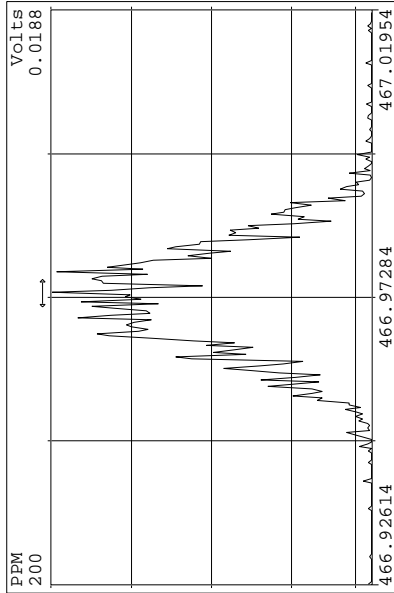
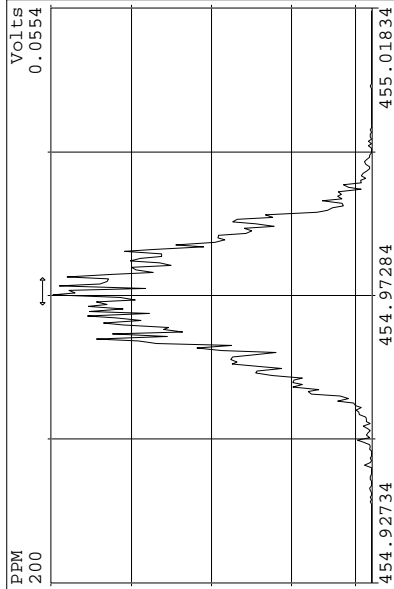
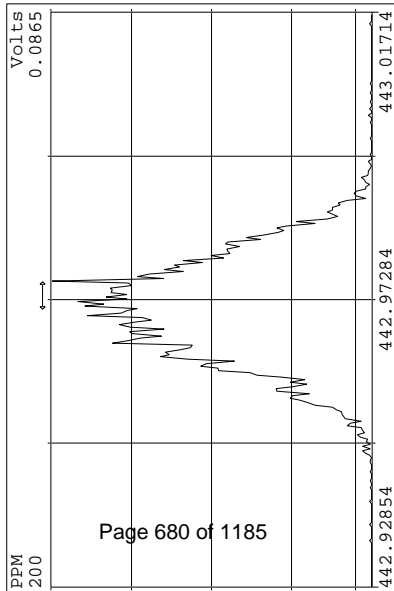
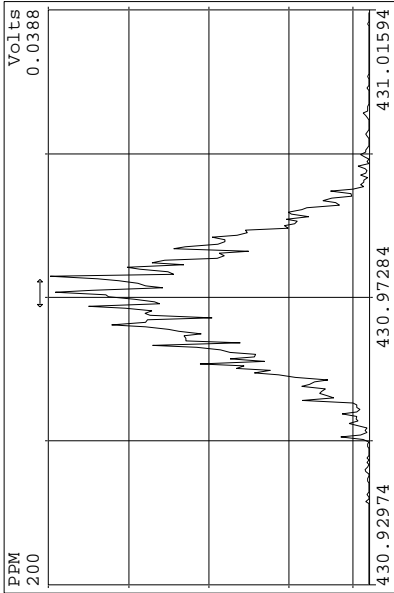
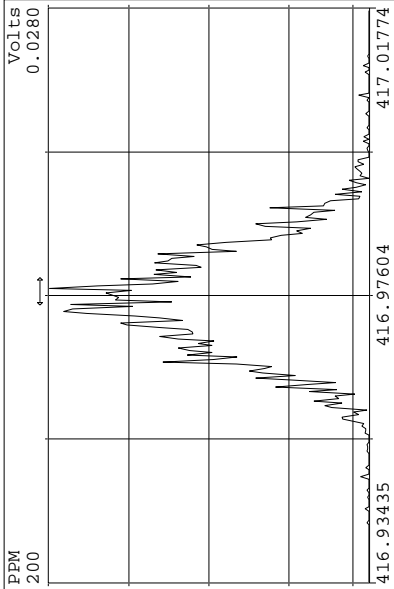
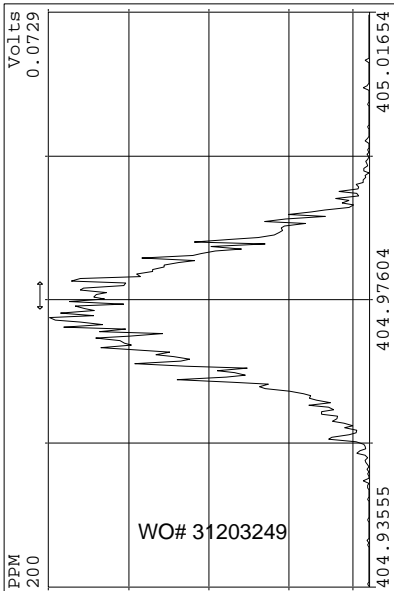


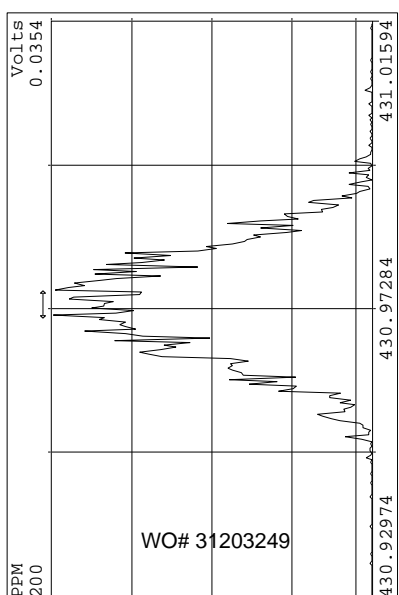
WO# 31203249



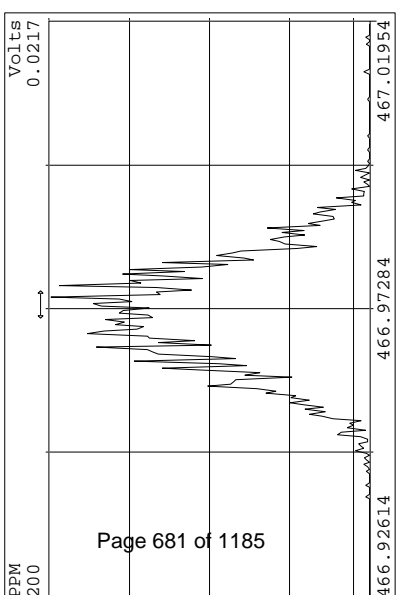
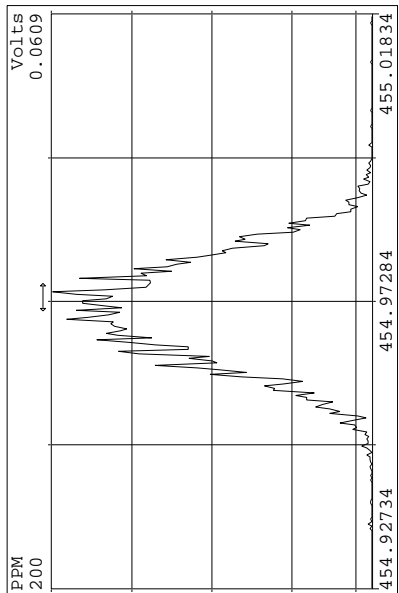
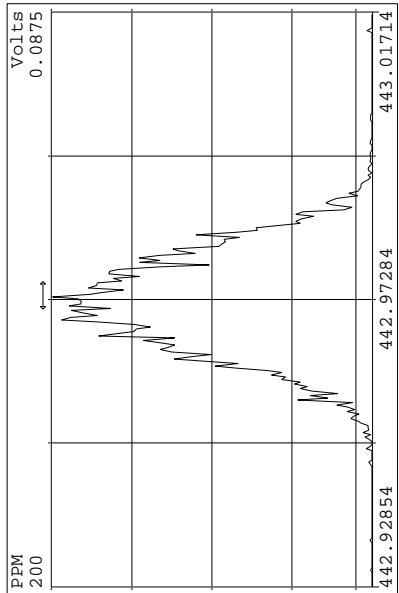
Page 679 of 1185



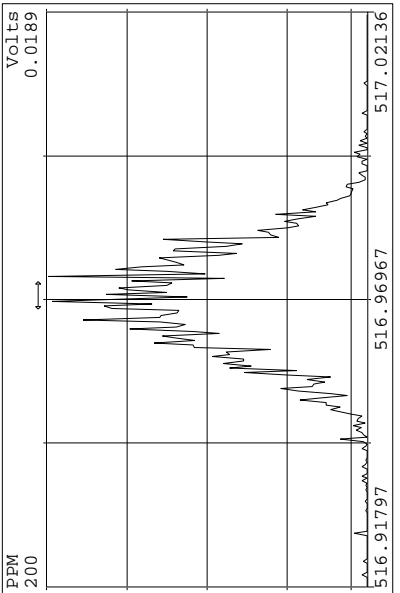
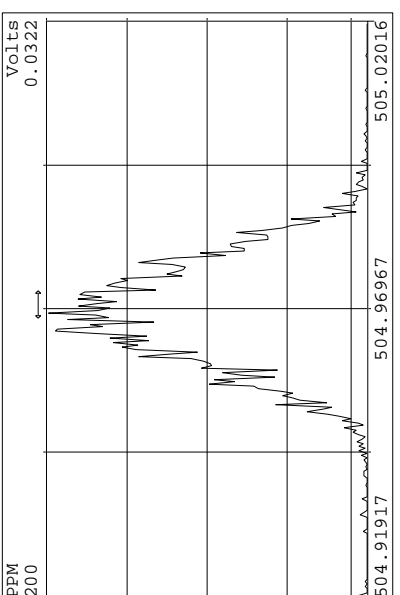
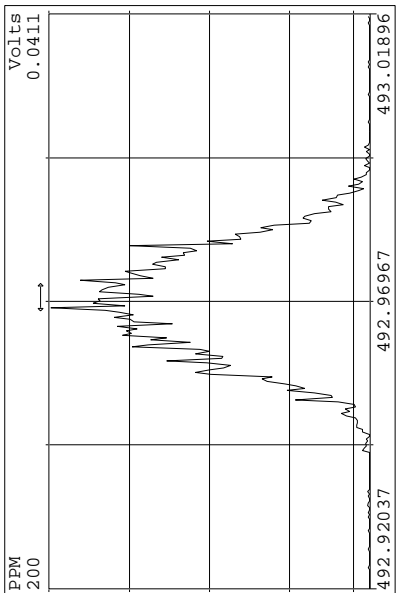
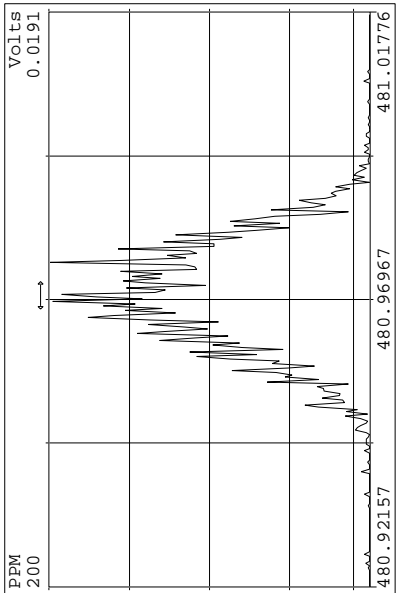


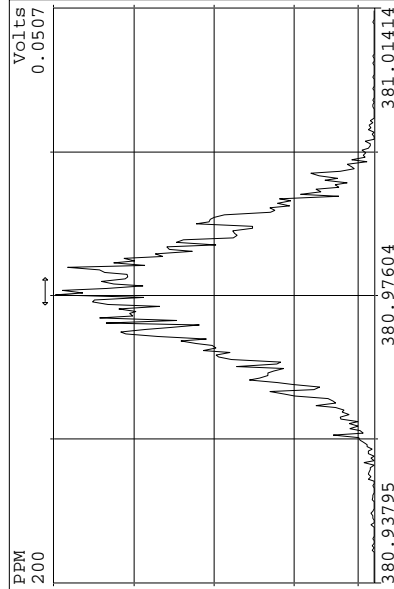
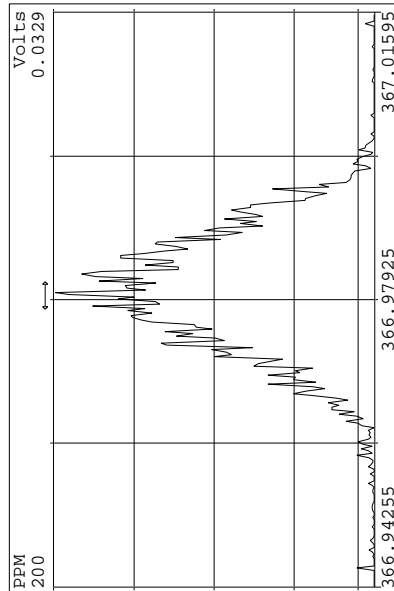
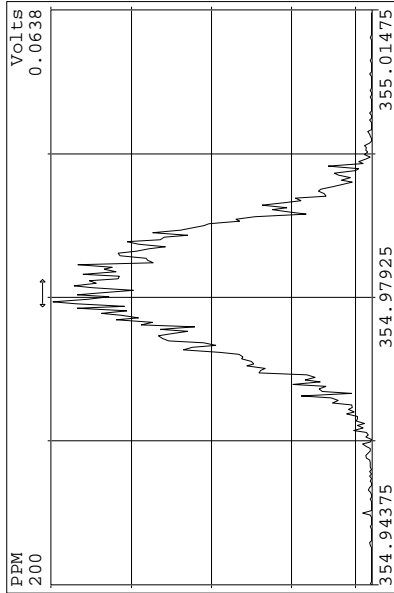
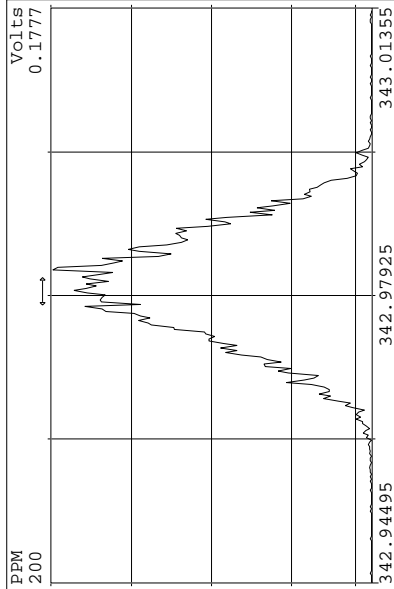
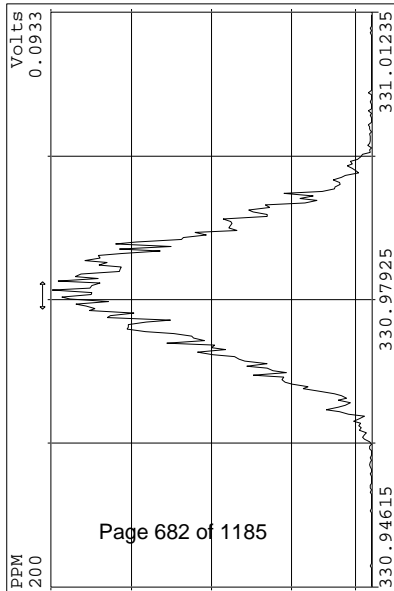
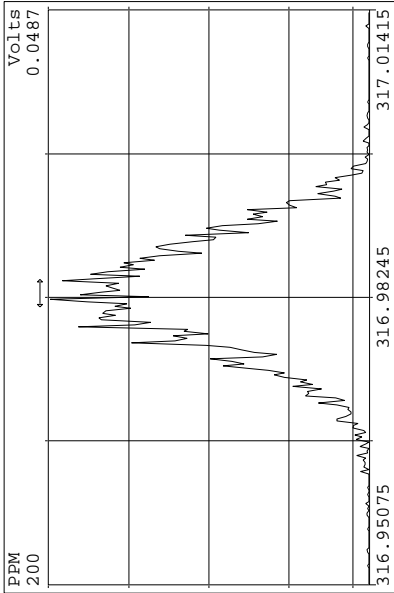
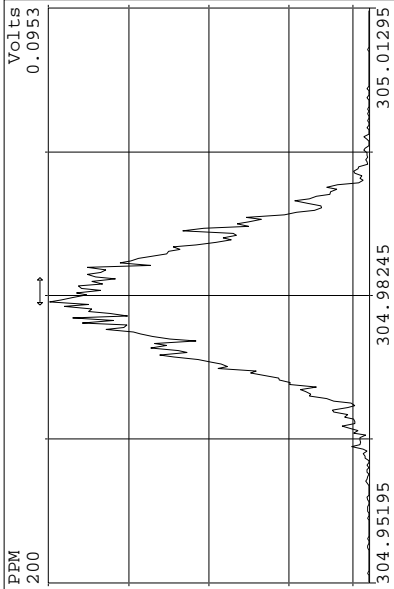
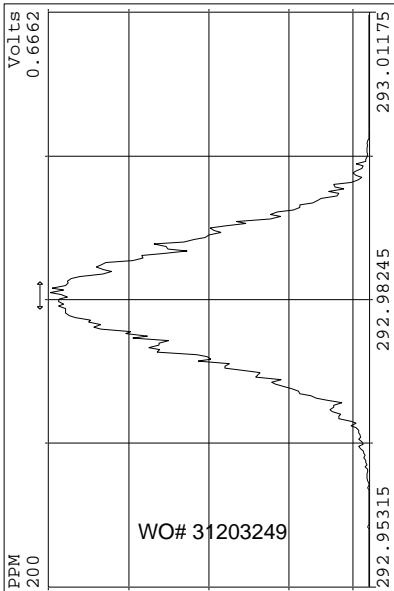


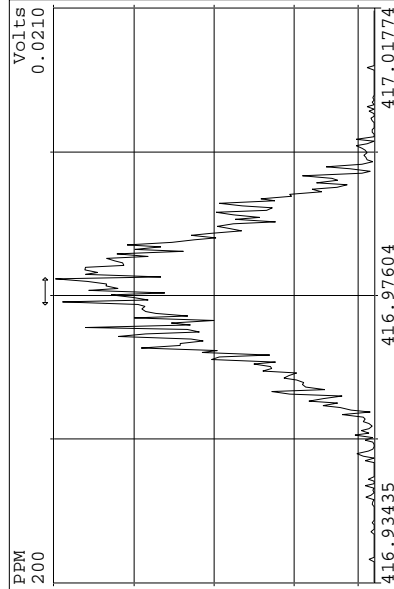
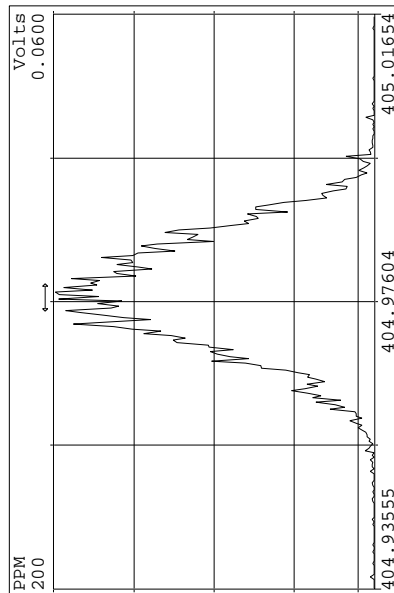
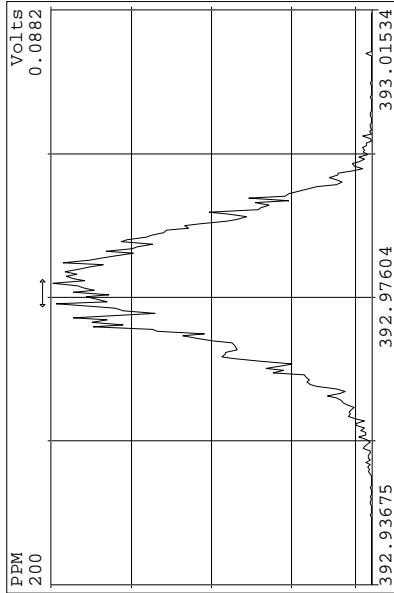
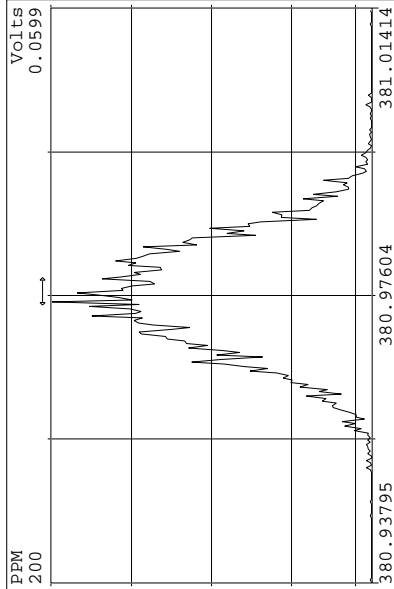
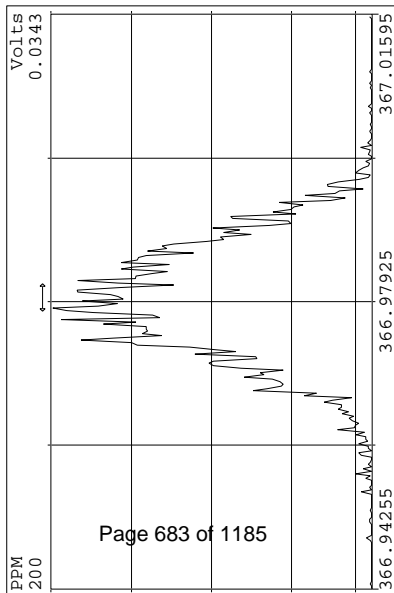
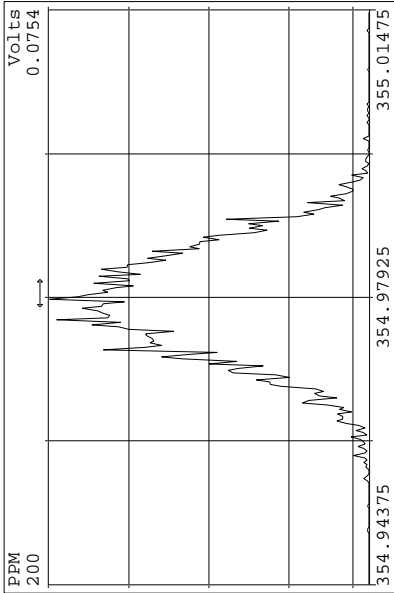
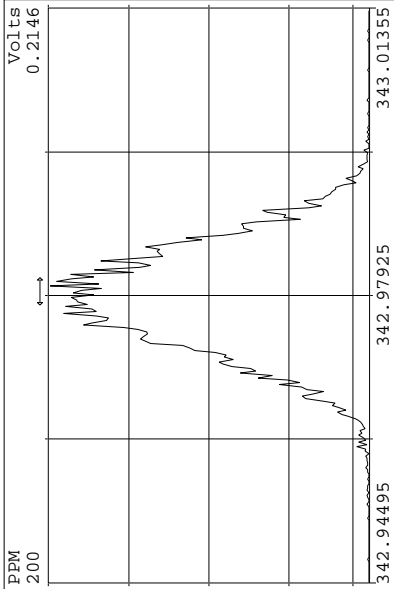
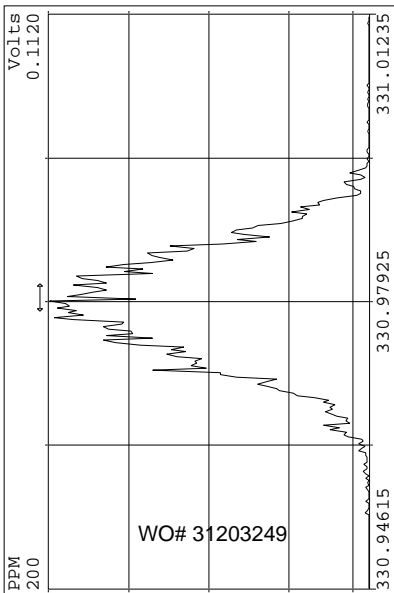
WO# 31203249

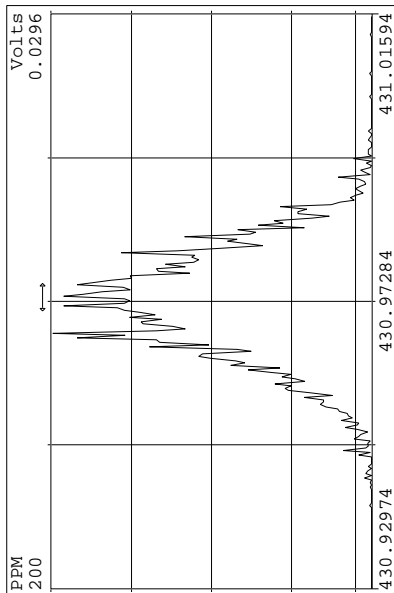
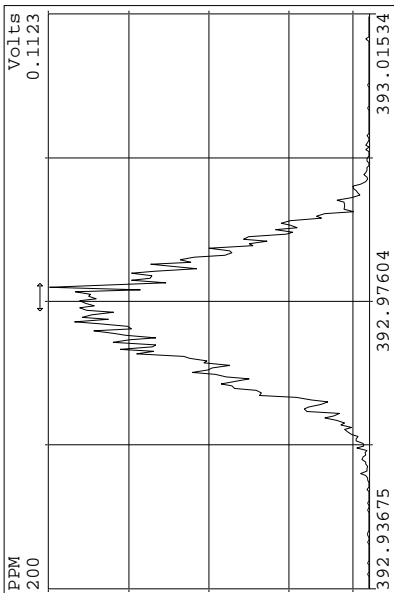
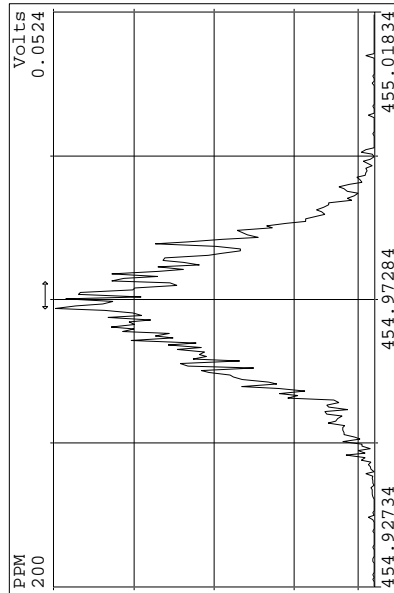
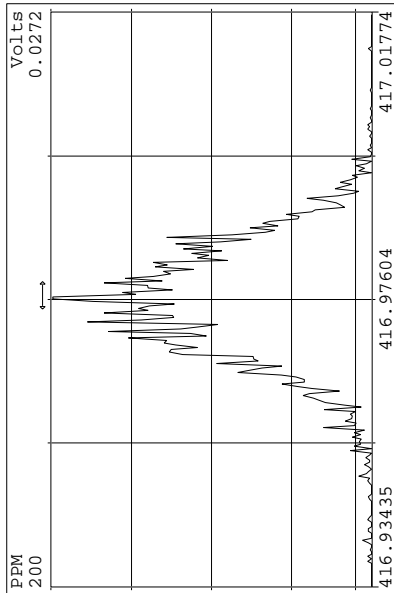
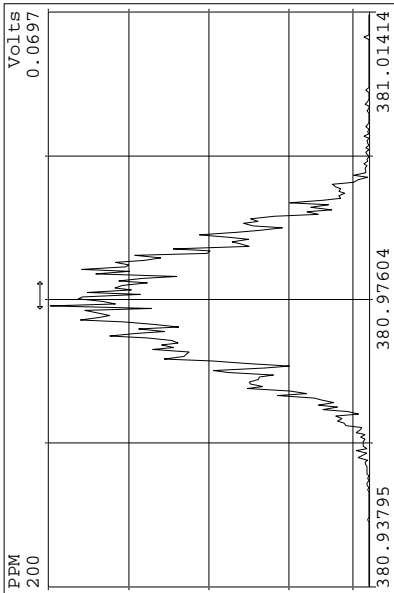
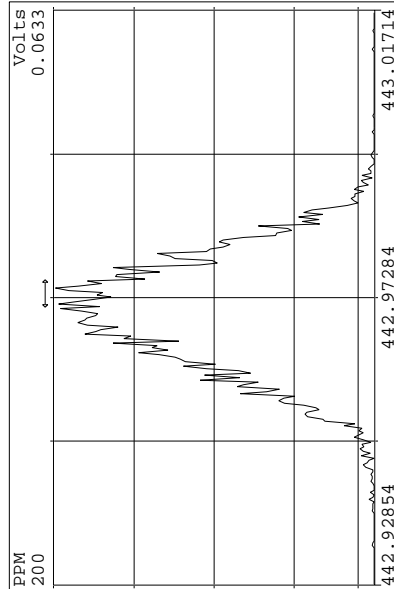
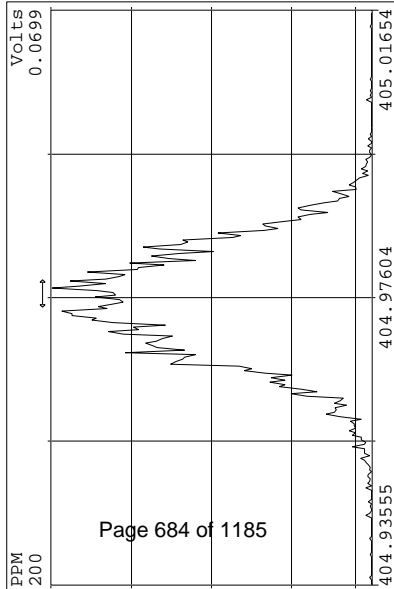
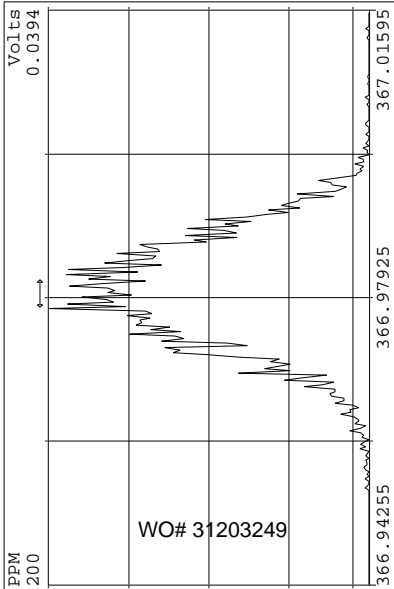


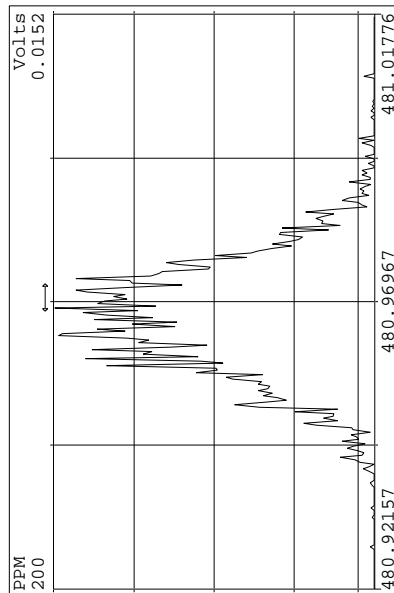
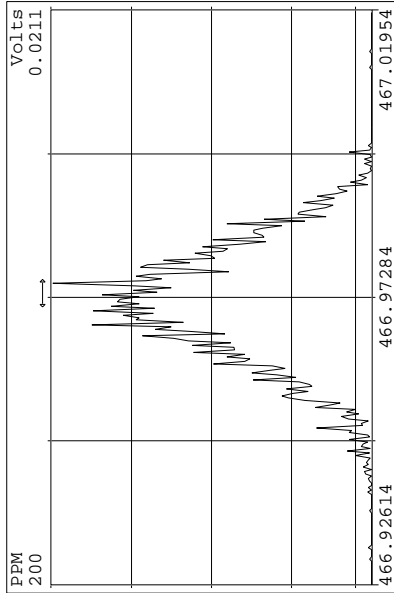
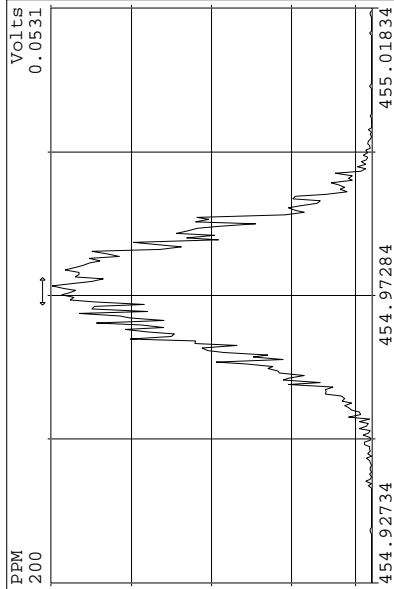
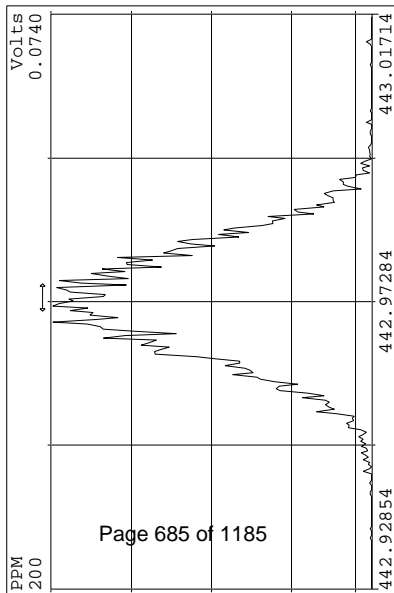
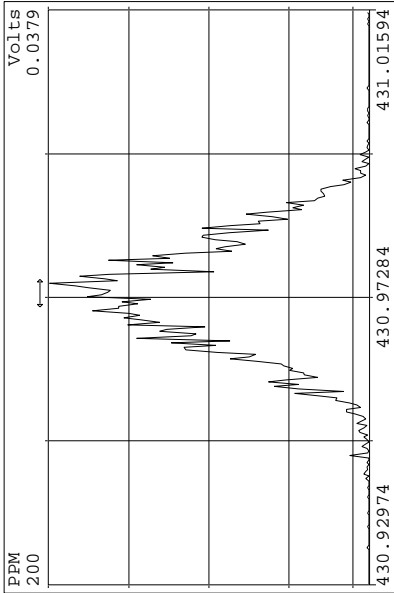
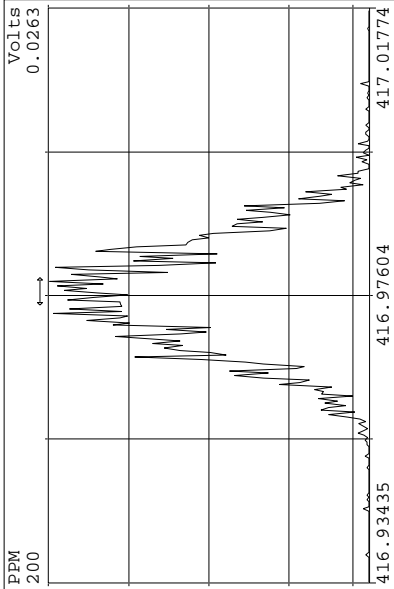
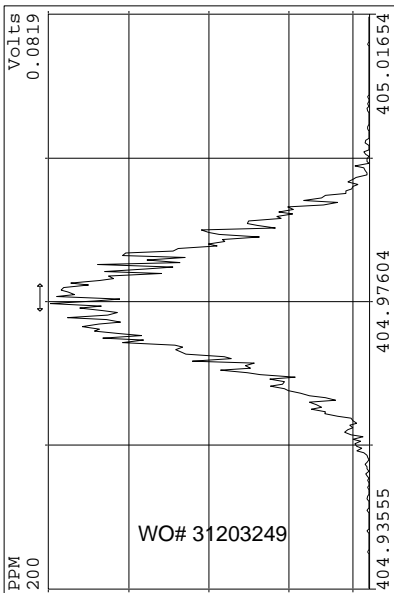
Page 681 of 1185

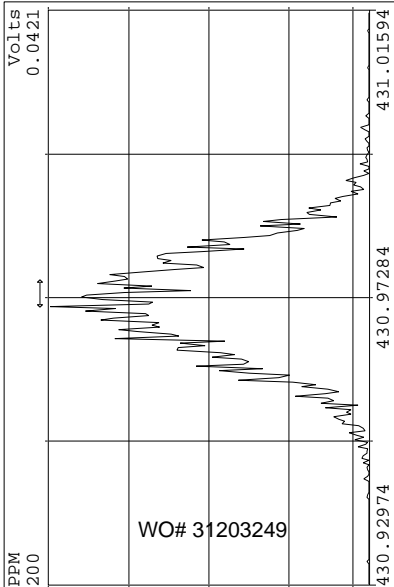




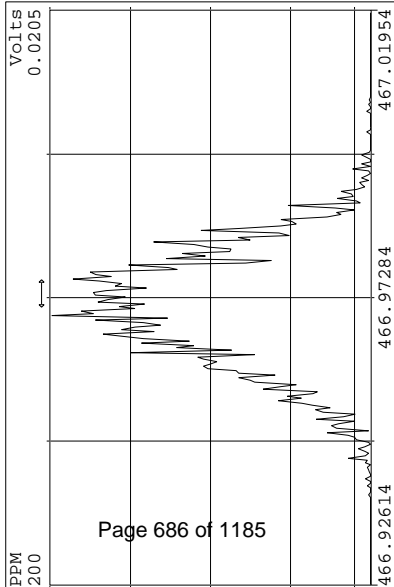




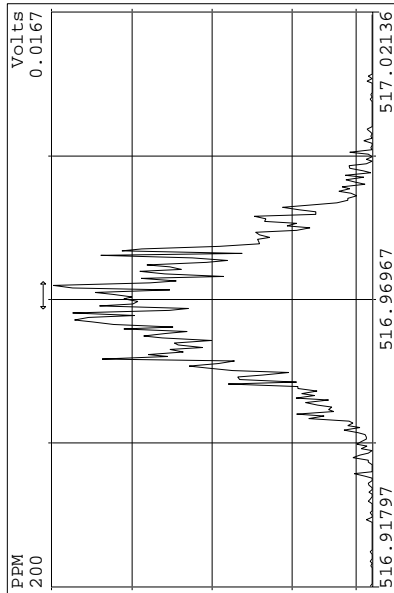
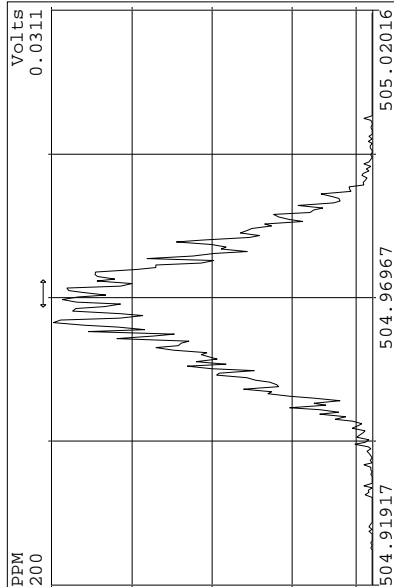
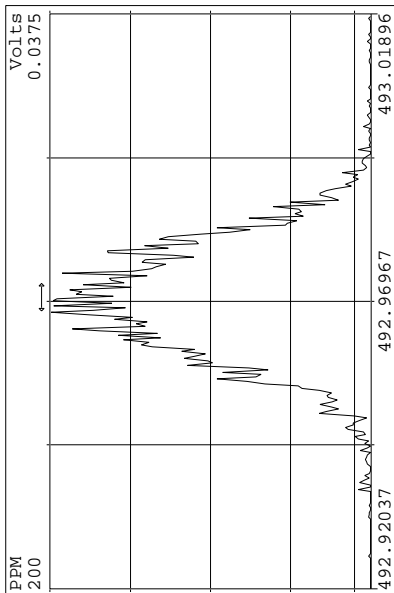
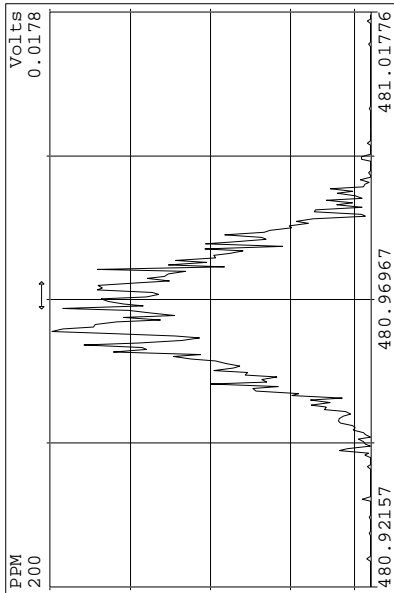
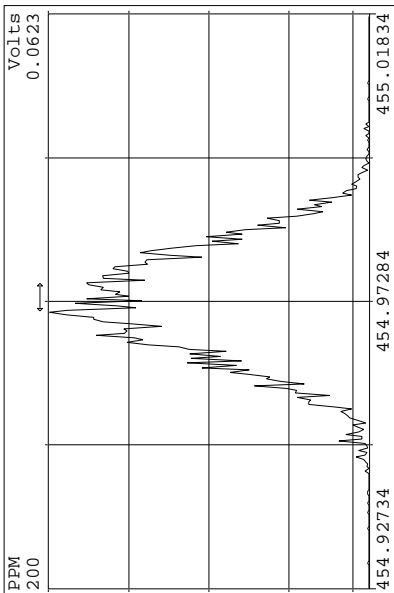
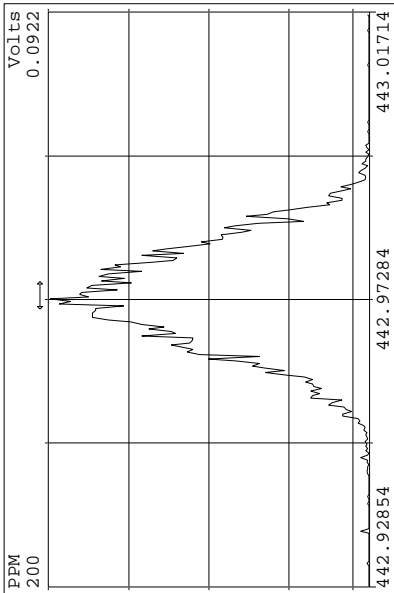




WO# 31203249



Page 686 of 1185



VFXMS-100212a-confirm

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\c02oct12a_Curve.SPL
Last Modified: Thursday, November 01, 2012 11:51:09 Eastern Daylight Time
Printed: Thursday, November 01, 2012 11:51:18 Eastern Daylight Time

Page 1 of 3

Page Position (1, 1)

File Name	Bottle	HRD(Batch)	Lab Sample ID	Customer Sample ID	Method	Sample Type
1 c02oct12a-1	Tray01:2	---	Solvent Blank	---	---	Analyte
2 c02oct12a-4	Tray01:5	---	CS0	---	---	Standard
3 c02oct12a-5	Tray01:6	---	CS1	---	---	Standard
4 c02oct12a-6	Tray01:7	---	CS2	---	---	Standard
5 c02oct12a-7	Tray01:8	---	CS3	---	---	Standard
6 c02oct12a-8	Tray01:9	---	CS4	---	---	Standard
7 c02oct12a-9	Tray01:10	---	CS5	---	---	Standard
8 c02oct12a-10	Tray01:11	---	CS6	---	---	Standard

Rev. mm 11/1/12

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\c02oct12a_Curve.SPL
Last Modified: Thursday, November 01, 2012 11:51:09 Eastern Daylight Time
Printed: Thursday, November 01, 2012 11:51:18 Eastern Daylight Time

Page 2 of 3

Page Position (2, 1)

MS File	Inlet File	Experiment	Conditions	Process	Process Options
Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	ResolutionCheck	c:\res_dbdiox.dat
Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	---	---
Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	---	---
Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	---	---
Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	---	---
Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	---	---
Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	---	---
Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	---	---

Sample List Report**MassLynx 4.1**

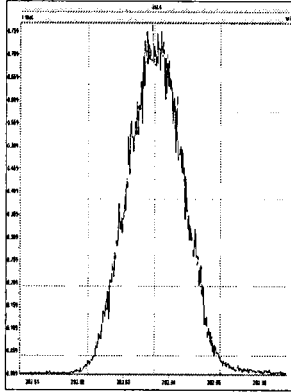
Sample List: C:\MassLynx\Default.pro\Sampledb\c02oct12a_Curve.SPL
Last Modified: Thursday, November 01, 2012 11:51:09 Eastern Daylight Time
Printed: Thursday, November 01, 2012 11:51:18 Eastern Daylight Time

Page 3 of 3

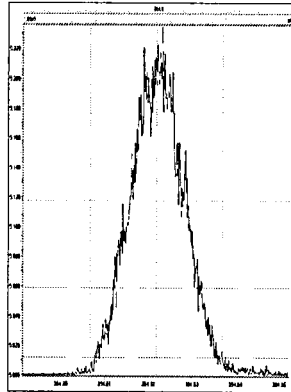
Page Position (3, 1)

Ax Conc.	ES Conc.	CS Conc.	JS Conc.	User	Instrument
.25	100	100	100	JHL	HRMS3
.25	100	100	100	JHL	HRMS3
.5	100	100	100	JHL	HRMS3
2	100	100	100	JHL	HRMS3
10	100	100	100	JHL	HRMS3
40	100	100	100	JHL	HRMS3
200	100	100	100	JHL	HRMS3
500	100	100	100	JHL	HRMS3

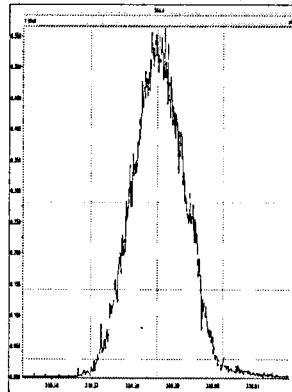
M 292.9824 R 10756



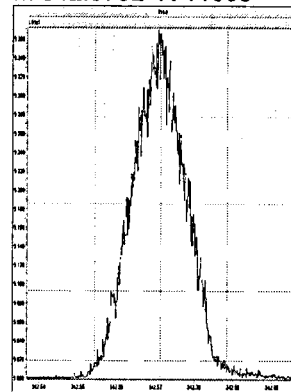
M 304.9824 R 11290



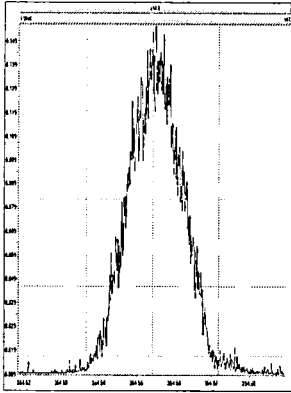
M 330.9792 R 10988



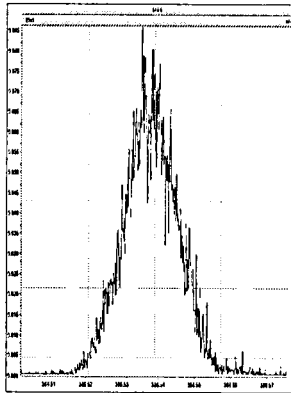
M 342.9792 R 11063



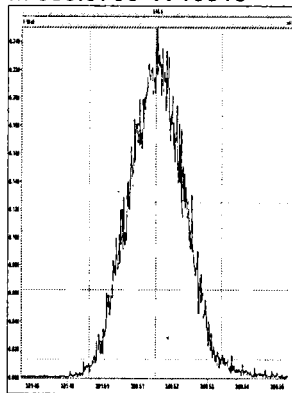
M 354.9792 R 11633



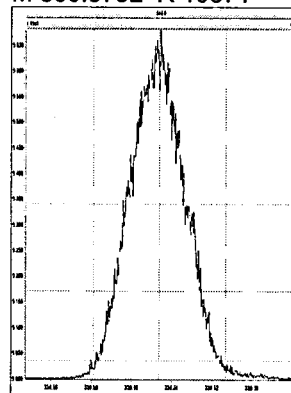
M 366.9792 R 10897



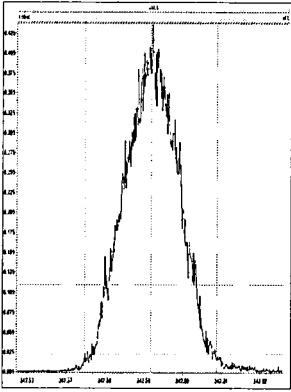
M 380.9760 R 10918



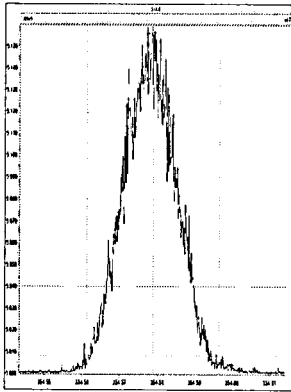
M 330.9792 R 10571



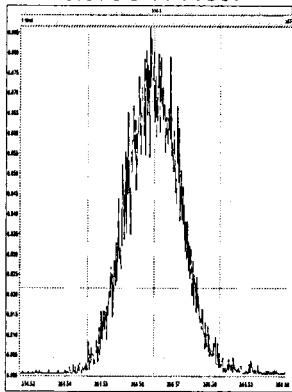
M 342.9792 R 10941



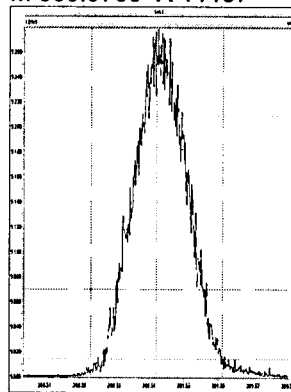
M 354.9792 R 11286



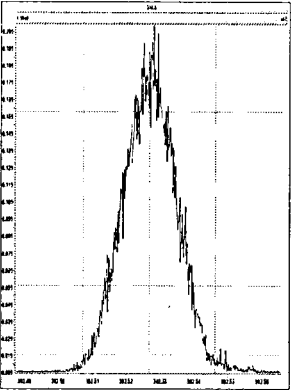
M 366.9792 R 11067



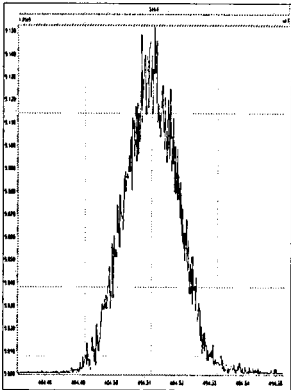
M 380.9760 R 11137



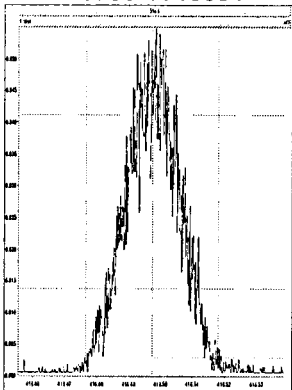
M 392.9760 R 11521



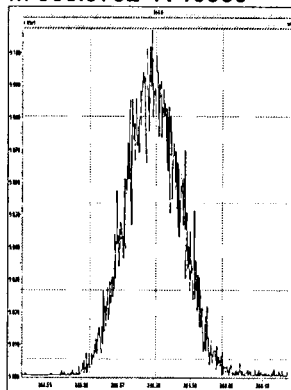
M 404.9760 R 11560



M 416.9760 R 10684

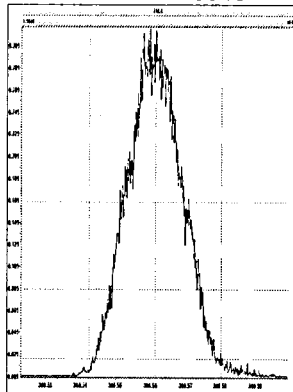


M 366.9792 R 10930

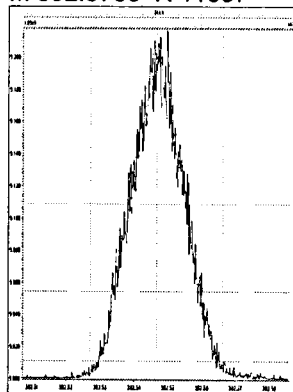


Printed: Tuesday, October 02, 2012 10:36:18 Eastern Daylight Time

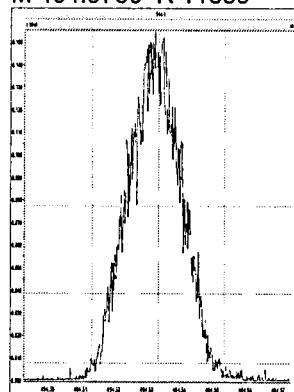
M 380.9760 R 10940



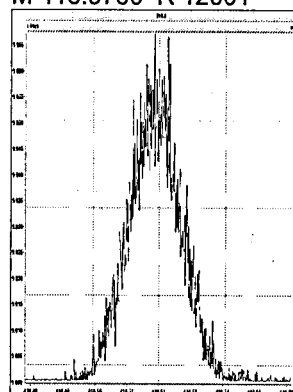
M 392.9760 R 11337



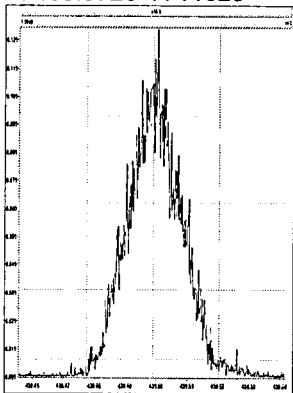
M 404.9760 R 11389



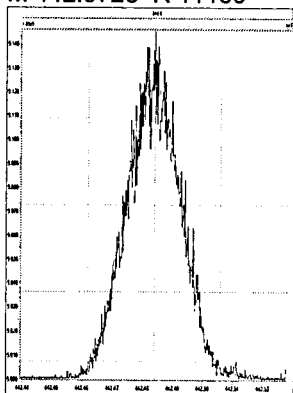
M 416.9760 R 12001



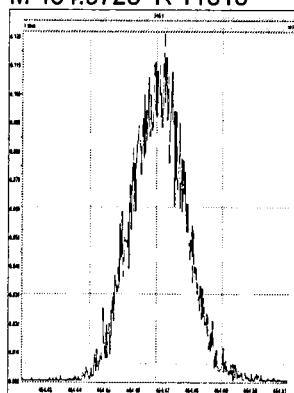
M 430.9728 R 11629



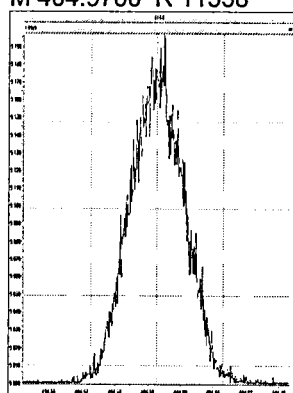
M 442.9728 R 11160



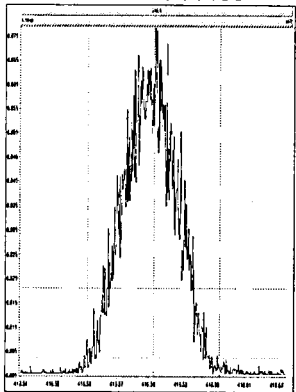
M 454.9728 R 11315



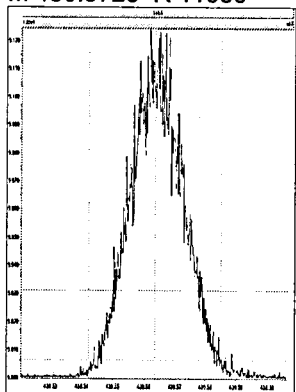
M 404.9760 R 11338



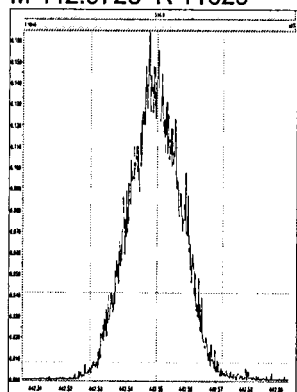
M 416.9760 R 11499



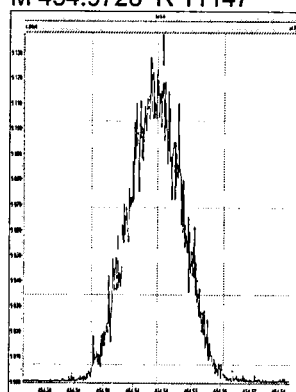
M 430.9728 R 11086



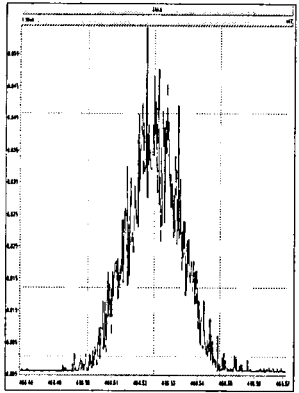
M 442.9728 R 11629



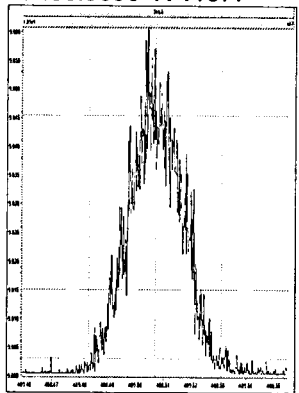
M 454.9728 R 11147



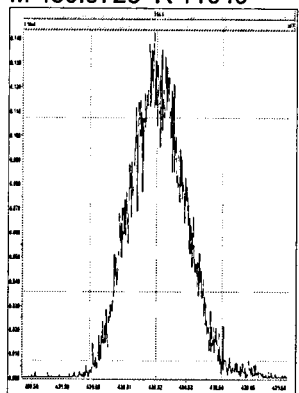
M 466.9728 R 11820



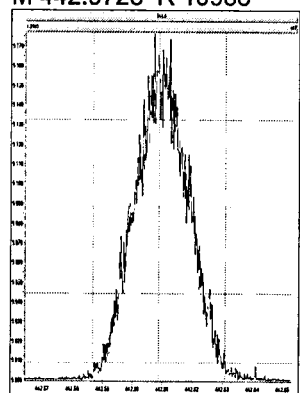
M 480.9696 R 11677



M 430.9728 R 11049

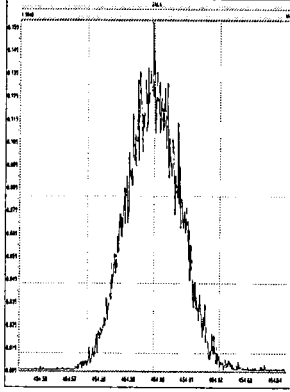


M 442.9728 R 10988

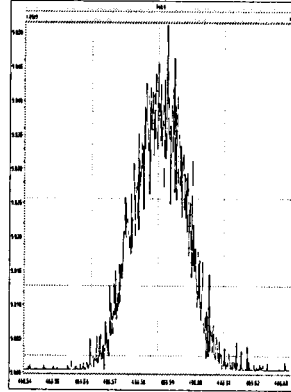


Printed: Tuesday, October 02, 2012 10:36:18 Eastern Daylight Time

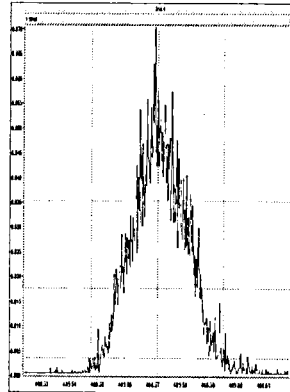
M 454.9728 R 11550



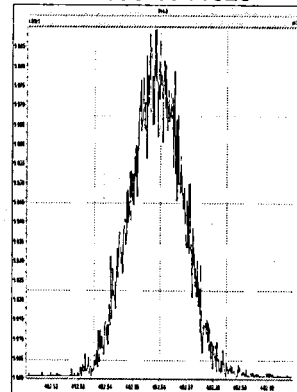
M 466.9728 R 11709



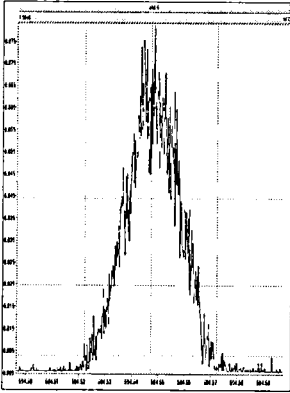
M 480.9696 R 11218



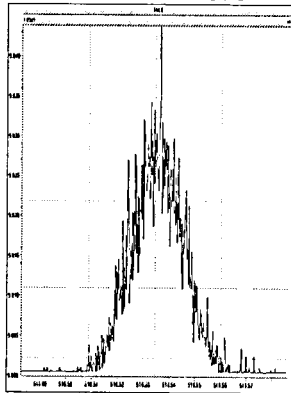
M 492.9696 R 11628



M 504.9696 R 11937



M 516.9697 R 12376

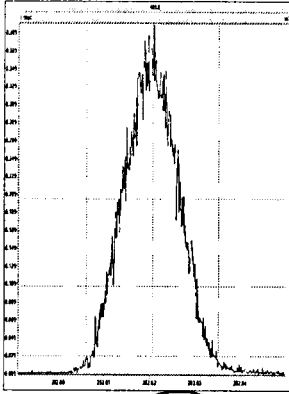


Resolution Check Report

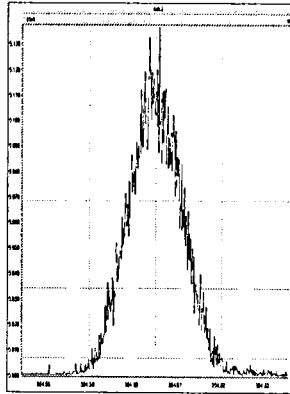
MassLynx 4.1

Printed: Tuesday, October 02, 2012 17:15:01 Eastern Daylight Time

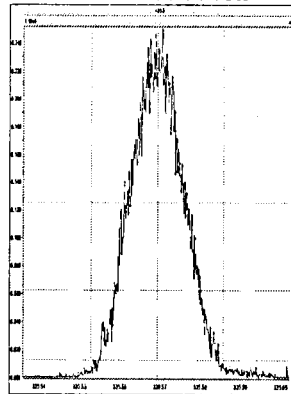
M 292.9824 R 10825



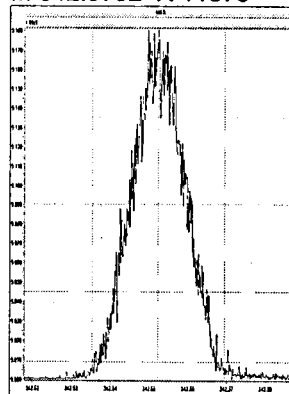
M 304.9824 R 11112



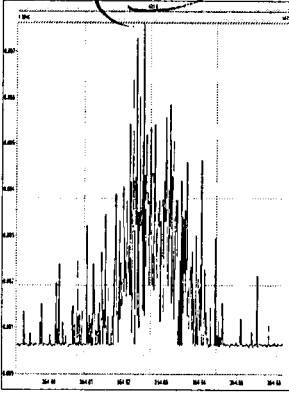
M 330.9792 R 11402



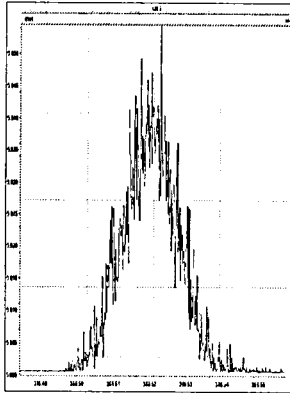
M 342.9792 R 11576



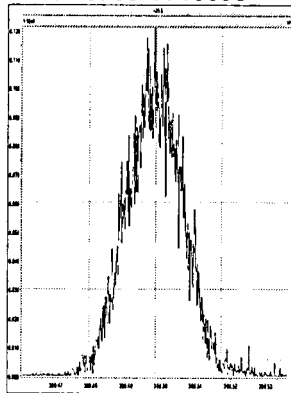
M 354.9792 R 0



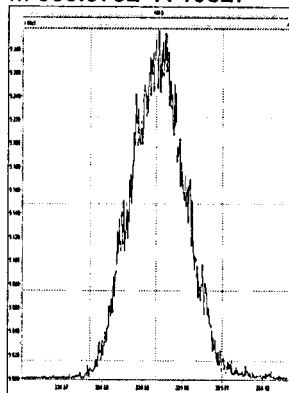
M 366.9792 R 12014



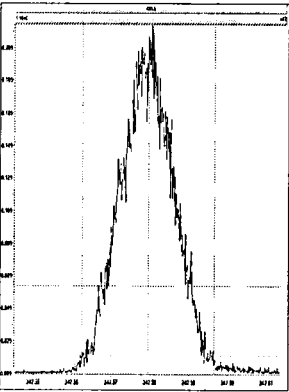
M 380.9760 R 10893



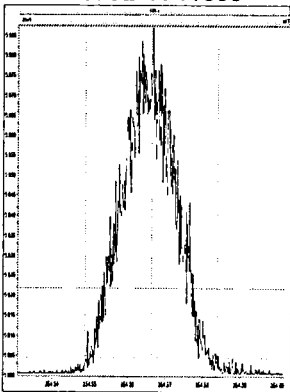
M 330.9792 R 10827



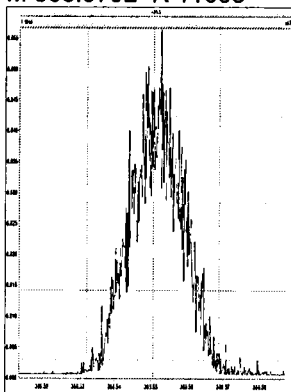
M 342.9792 R 11214



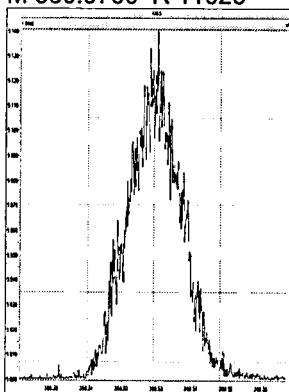
M 354.9792 R 11659



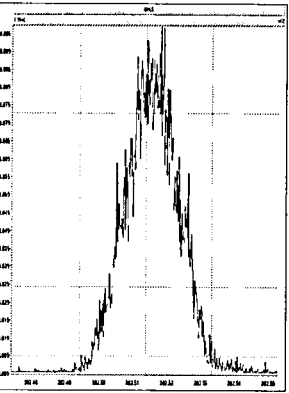
M 366.9792 R 11655



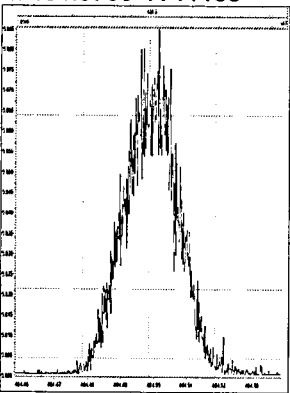
M 380.9760 R 11026



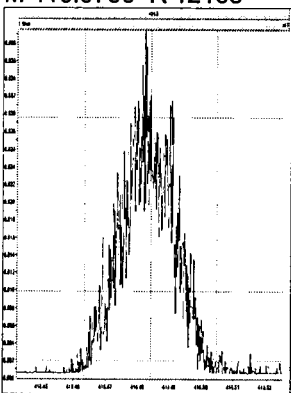
M 392.9760 R 11601



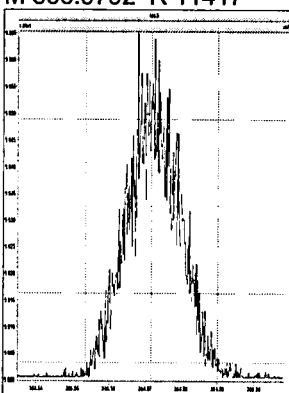
M 404.9760 R 11186



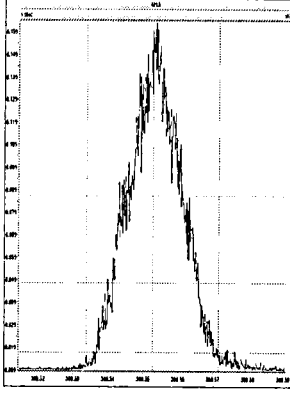
M 416.9760 R 12168



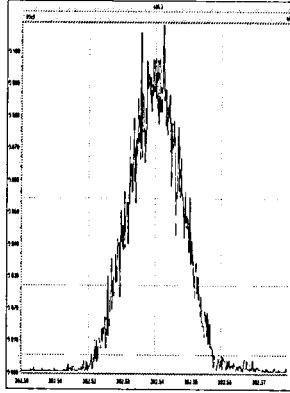
M 366.9792 R 11417



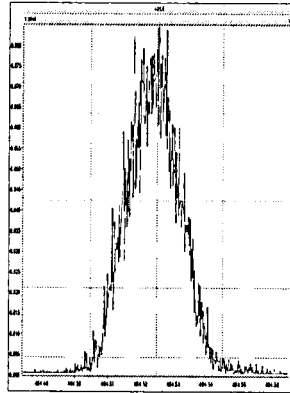
M 380.9760 R 11338



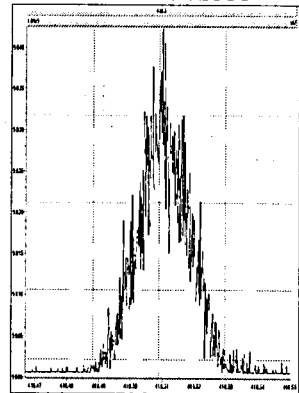
M 392.9760 R 11921



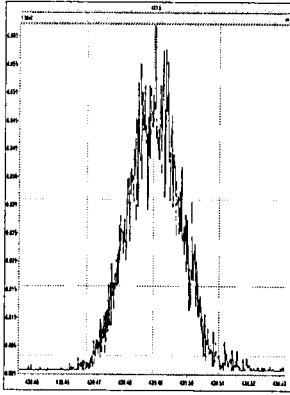
M 404.9760 R 11499



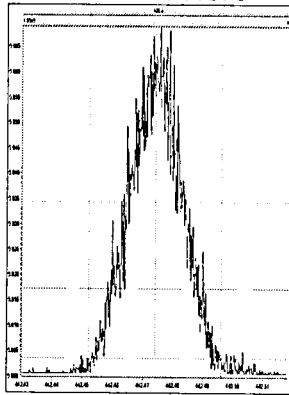
M 416.9760 R 12533



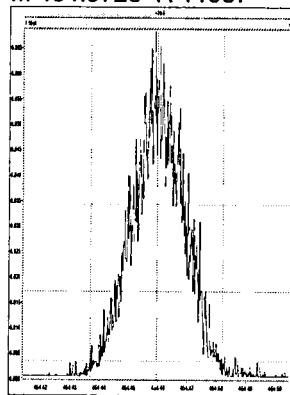
M 430.9728 R 12048



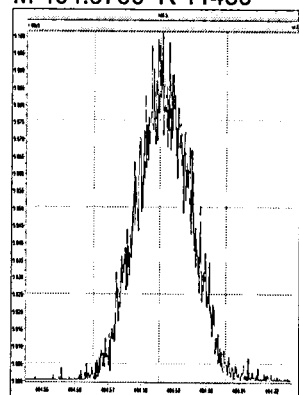
M 442.9728 R 11576



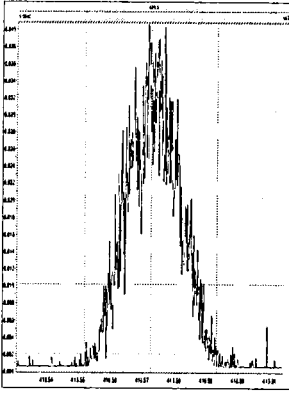
M 454.9728 R 11957



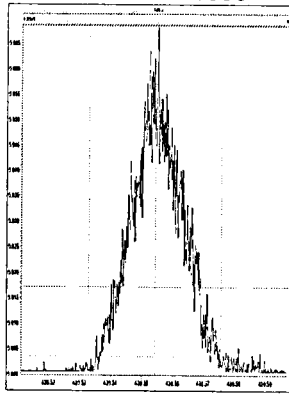
M 404.9760 R 11430



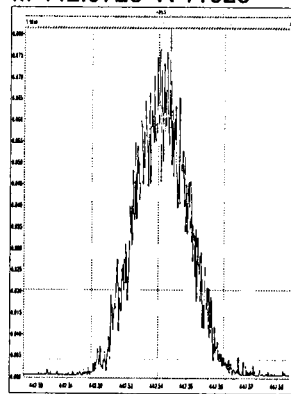
M 416.9760 R 11476



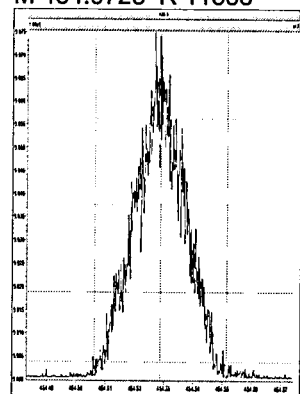
M 430.9728 R 11536



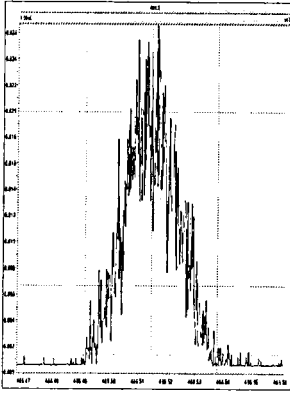
M 442.9728 R 11628



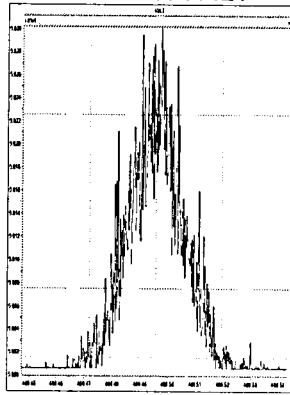
M 454.9728 R 11585



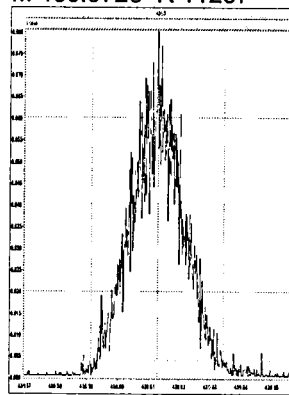
M 466.9728 R 11860



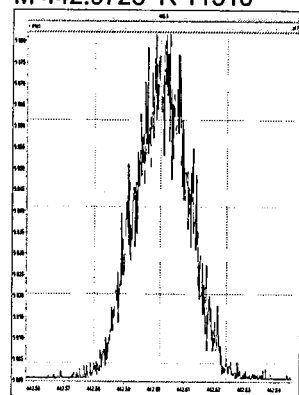
M 480.9696 R 11421



M 430.9728 R 11237

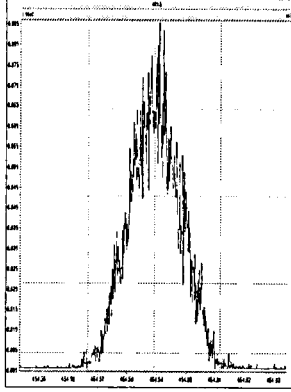


M 442.9728 R 11516

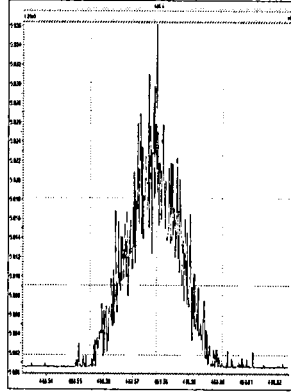


Printed: Tuesday, October 02, 2012 17:15:01 Eastern Daylight Time

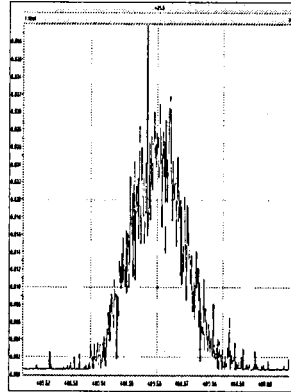
M 454.9728 R 11908



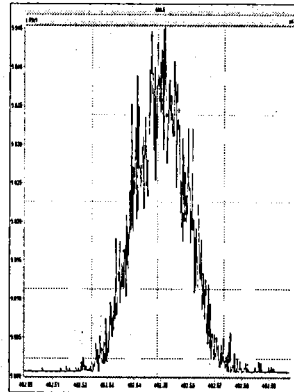
M 466.9728 R 12081



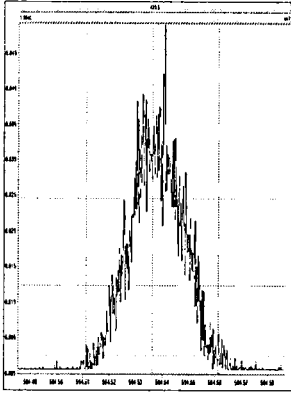
M 480.9696 R 11794



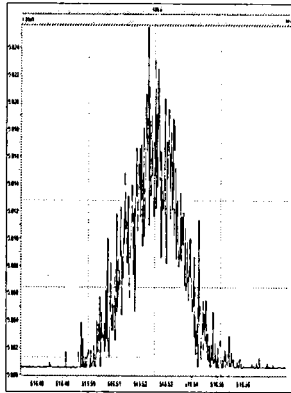
M 492.9696 R 11657



M 504.9696 R 11520

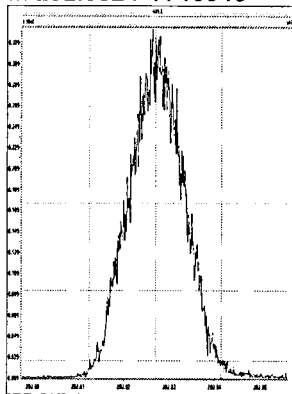


M 516.9697 R 12782

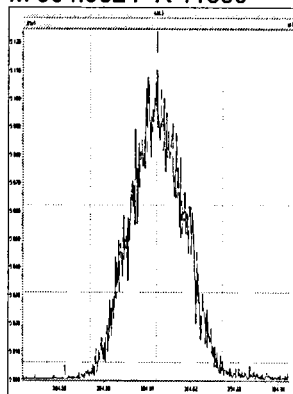


Printed: Tuesday, October 02, 2012 18:55:32 Eastern Daylight Time

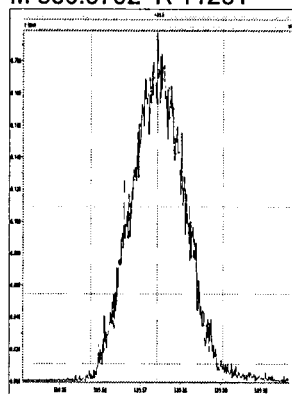
M 292.9824 R 10946



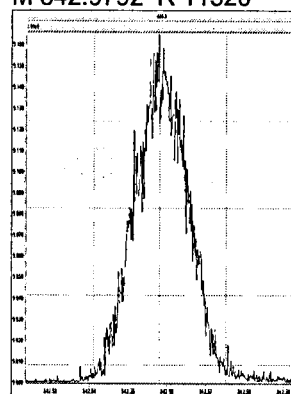
M 304.9824 R 11550



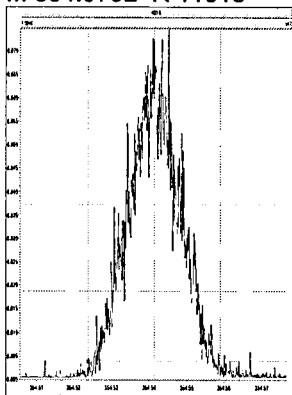
M 330.9792 R 11261



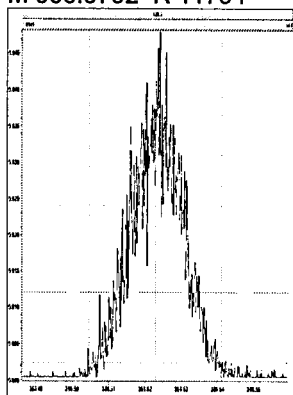
M 342.9792 R 11320



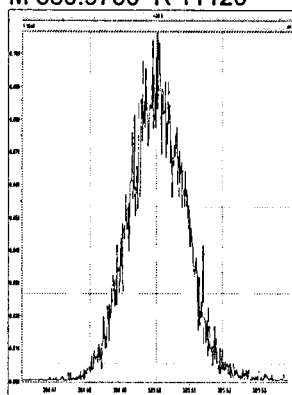
M 354.9792 R 11818



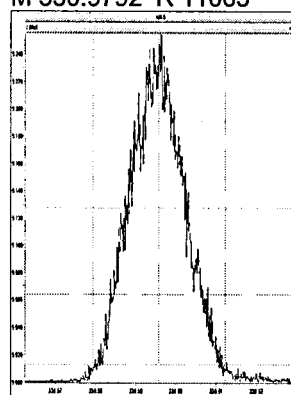
M 366.9792 R 11794



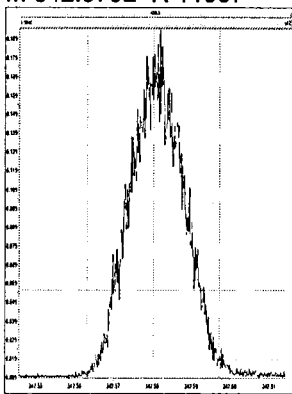
M 380.9760 R 11120



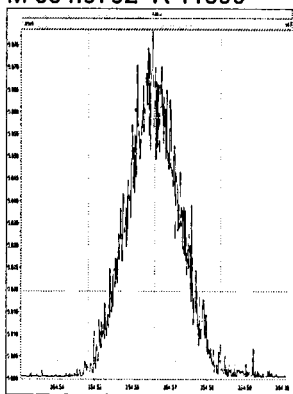
M 330.9792 R 11065



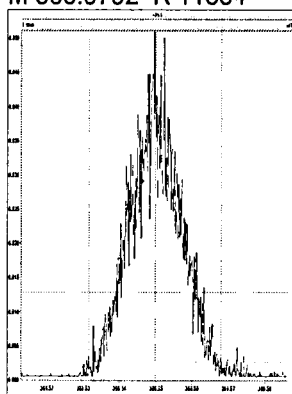
M 342.9792 R 11557



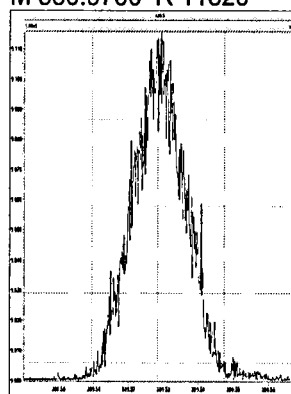
M 354.9792 R 11390



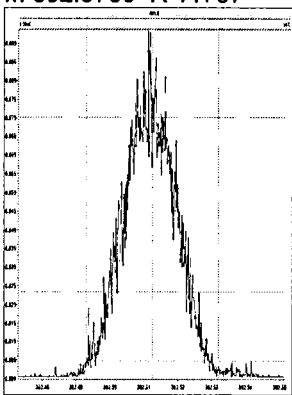
M 366.9792 R 11834



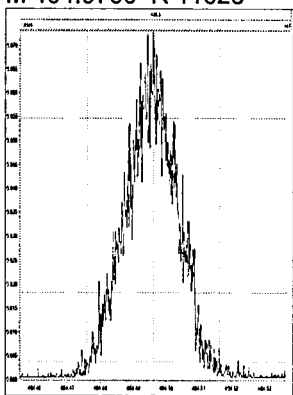
M 380.9760 R 11820



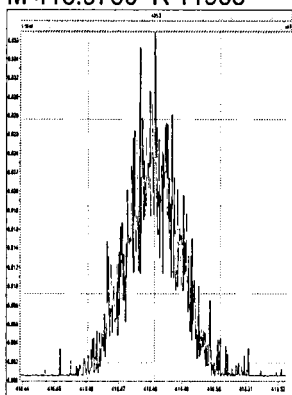
M 392.9760 R 11737



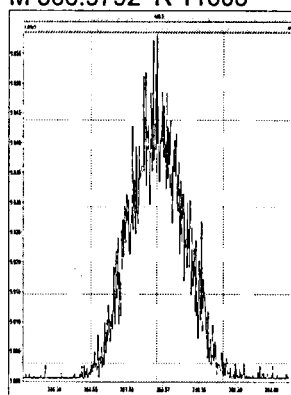
M 404.9760 R 11628



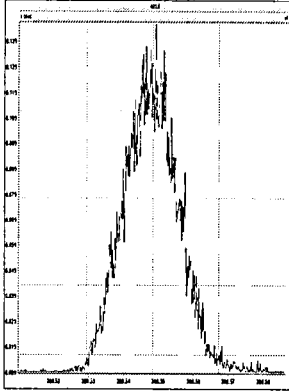
M 416.9760 R 11963



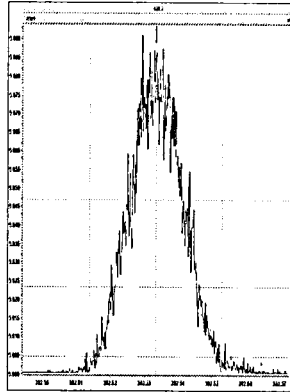
M 366.9792 R 11608



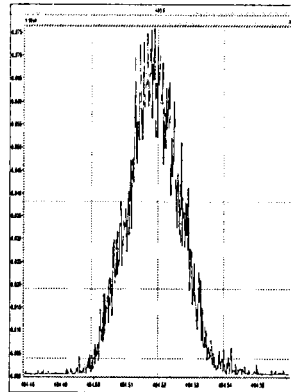
M 380.9760 R 11087



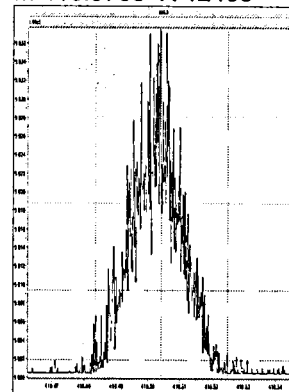
M 392.9760 R 11161



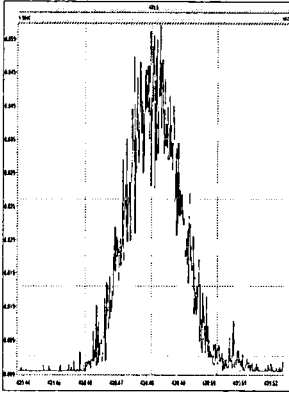
M 404.9760 R 11286



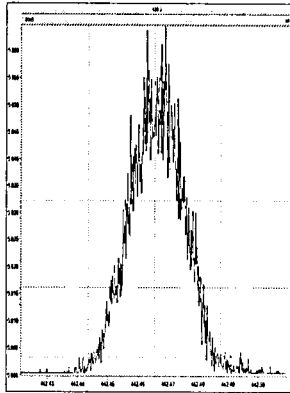
M 416.9760 R 12486



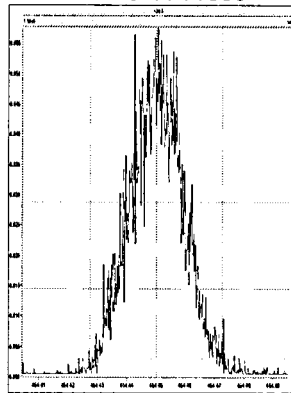
M 430.9728 R 12191



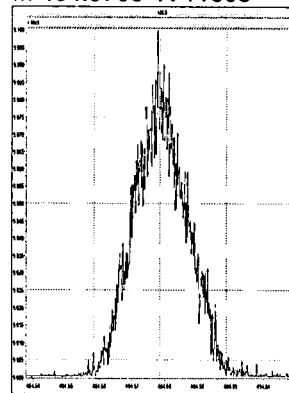
M 442.9728 R 11540



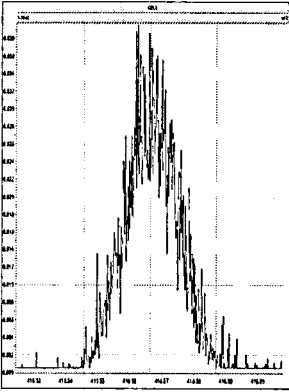
M 454.9728 R 11039



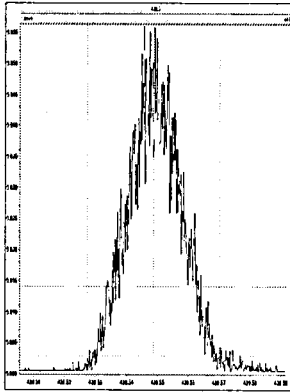
M 404.9760 R 11608



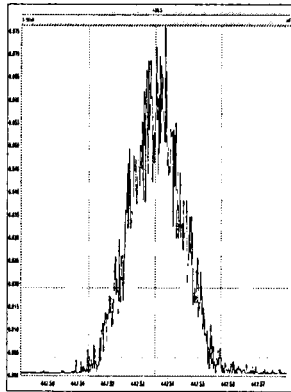
M 416.9760 R 11665



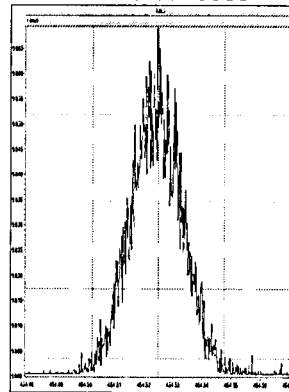
M 430.9728 R 11594



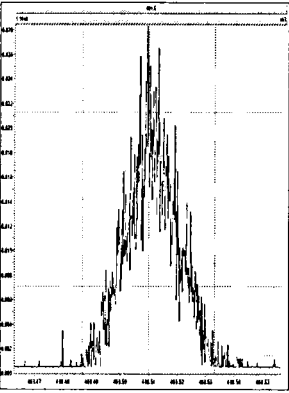
M 442.9728 R 12109



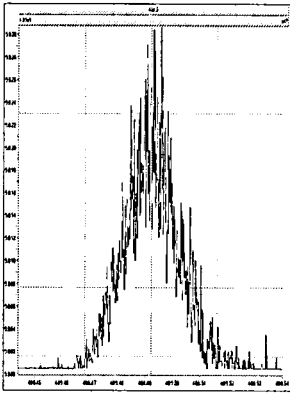
M 454.9728 R 10933



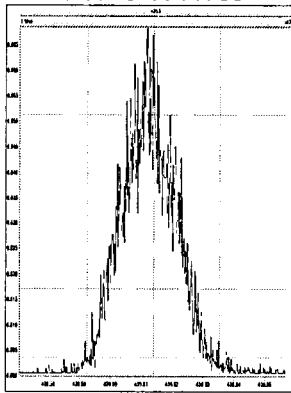
M 466.9728 R 12559



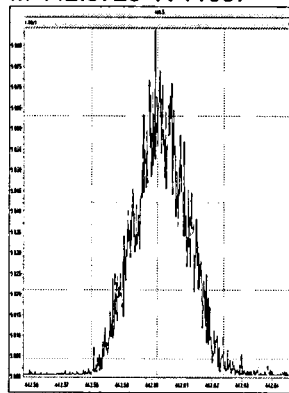
M 480.9696 R 11932



M 430.9728 R 11739

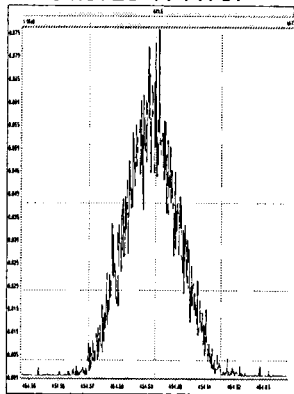


M 442.9728 R 11657

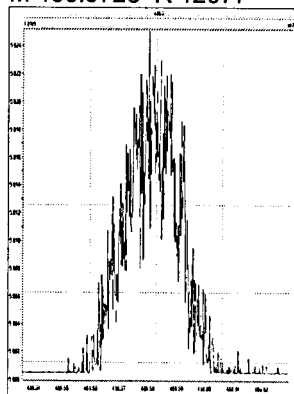


Printed: Tuesday, October 02, 2012 18:55:32 Eastern Daylight Time

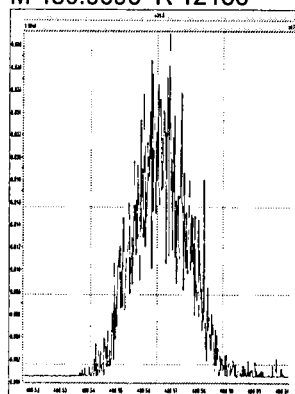
M 454.9728 R 11787



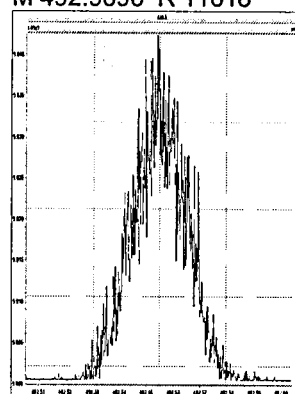
M 466.9728 R 12077



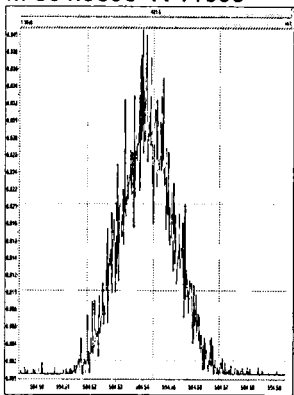
M 480.9696 R 12136



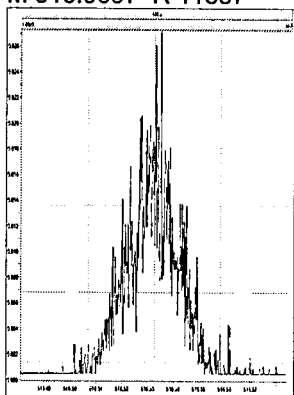
M 492.9696 R 11618



M 504.9696 R 11603



M 516.9697 R 11857



Quantify Compound Summary Report MassLynx 4.1
 ### CF ICAL Summary ###

Dataset: C:\MassLynx\Default.pro\Curved\b\c02oct12a_Confirm-TD.qld
 Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time
 Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

1203249

Method: Untitled 21 Aug 2012 13:21:20
 Calibration: C:\MassLynx\Default.pro\Curved\b\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Compound name: 2378-TCDF
 Response Factor: 1.21803 ✓
 RRF SD: 0.0732841, Relative SD: 6.01663
 Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
 Curve type: RF

Filename	Sample ID	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	pg/uL	RRF	Height1	Noise1	SN1	Height2	Noise2	SN2	Acq.Date	Acq.Time
c02oct12a-4	CS0	2.784e3	1.226e3	1.558e3	0.79	NO	21.54	0.250	1.323	1.835e4	471	39.0	2.472e4	603	41.0	02-Oct-12	10:36:23
c02oct12a-5	CS1	5.249e3	2.312e3	2.937e3	0.79	NO	21.52	0.500	1.268	3.227e4	419	76.9	4.846e4	630	76.9	02-Oct-12	11:22:39
c02oct12a-6	CS2	2.115e4	9.292e3	1.186e4	0.78	NO	21.54	2.000	1.287	1.327e5	417	318.1	1.665e5	545	305.4	02-Oct-12	12:09:00
c02oct12a-7	CS3	9.967e4	4.469e4	5.498e4	0.81	NO	21.54	10.000	1.193	6.433e5	476	1352.0	7.712e5	594	1299.1	02-Oct-12	12:55:31
c02oct12a-8	CS4	3.844e5	1.712e5	2.131e5	0.80	NO	21.55	40.000	1.147	2.481e6	577	4296.6	3.066e6	728	4212.6	02-Oct-12	13:41:53
c02oct12a-9	CS5	2.042e6	9.053e5	1.137e6	0.80	NO	21.54	200.000	1.143	1.351e7	770	1754...	1.692e7	1045	1618...	02-Oct-12	14:28:18
c02oct12a-10	CS6	4.888e6	2.162e6	2.726e6	0.79	NO	21.54	500.000	1.166	3.129e7	1050	2980...	3.929e7	1284	3060...	02-Oct-12	15:14:38

Compound name: ES:13C-2378-TCDF
 Response Factor: 1.65503 ✓
 RRF SD: 0.0497135, Relative SD: 3.00379
 Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)
 Curve type: RF

Filename	Sample ID	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	pg/uL	RRF	Height1	Noise1	SN1	Height2	Noise2	SN2	Acq.Date	Acq.Time
c02oct12a-4	CS0	8.420e5	3.738e5	4.682e5	0.80	NO	21.52	100.000	1.621	5.271e6	2436	2163.7	6.638e6	3358	1976.8	02-Oct-12	10:36:23
c02oct12a-5	CS1	8.277e5	3.628e5	4.650e5	0.78	NO	21.51	100.000	1.618	5.207e6	2355	2210.9	6.749e6	1942	3475.6	02-Oct-12	11:22:39
c02oct12a-6	CS2	8.220e5	3.677e5	4.542e5	0.81	NO	21.51	100.000	1.619	5.251e6	1942	2703.3	6.465e6	1567	4126.0	02-Oct-12	12:09:00
c02oct12a-7	CS3	8.353e5	3.704e5	4.649e5	0.80	NO	21.52	100.000	1.695	5.265e6	2327	2262.0	6.662e6	1889	3526.9	02-Oct-12	12:55:31
c02oct12a-8	CS4	8.378e5	3.697e5	4.681e5	0.79	NO	21.52	100.000	1.623	5.464e6	2110	2599.7	6.857e6	1637	4189.4	02-Oct-12	13:41:53
c02oct12a-9	CS5	8.936e5	3.866e5	5.070e5	0.76	NO	21.51	100.000	1.664	5.535e6	2486	2226.7	7.447e6	1640	4540.7	02-Oct-12	14:28:18
c02oct12a-10	CS6	8.385e5	3.667e5	4.718e5	0.78	NO	21.51	100.000	1.746	5.275e6	2077	2540.5	6.852e6	2098	3265.4	02-Oct-12	15:14:38

Quantify Compound Summary Report MassLynx 4.1
 ### CF ICAL Summary ###

Dataset: C:\MassLynx\Default.pro\Curved\b1c02oct12a_Confirm-TD.qld

Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time
 Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Compound name: JS:13C-1234-TCDD

Response Factor: 1
 RRF SD: 1.6342e-016, Relative SD: 1.6342e-014
 Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)
 Curve type: RF

Filename	Sample ID	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	pg/uL	RRF	Height1	Noise1	SN1	Height2	Noise2	SN2	Acq.Date	Acq.Time	M
c02oct12a-4	CS0	5.194e5	2.259e5	2.935e5	0.77	NO	21.43	100.000	1.000	3.185e6	3234	984.6	4.255e6	3549	1198.9	02-Oct-12	10:36:23	bb
c02oct12a-5	CS1	5.116e5	2.345e5	2.772e5	0.85	NO	21.42	100.000	1.000	3.251e6	2080	1563.2	3.858e6	1231	3133.7	02-Oct-12	11:22:39	bb
c02oct12a-6	CS2	5.078e5	2.289e5	2.790e5	0.82	NO	21.42	100.000	1.000	3.161e6	2413	1309.6	3.911e6	1317	2968.3	02-Oct-12	12:09:00	bb
c02oct12a-7	CS3	4.929e5	2.216e5	2.713e5	0.82	NO	21.43	100.000	1.000	3.172e6	2257	1405.4	3.736e6	961	3889.1	02-Oct-12	12:55:31	bb
c02oct12a-8	CS4	5.163e5	2.317e5	2.846e5	0.81	NO	21.43	100.000	1.000	3.206e6	2287	1402.1	4.040e6	1300	3107.4	02-Oct-12	13:41:53	bb
c02oct12a-9	CS5	5.369e5	2.415e5	2.954e5	0.82	NO	21.42	100.000	1.000	3.490e6	2280	1530.4	4.164e6	1465	2843.0	02-Oct-12	14:28:18	bb
c02oct12a-10	CS6	4.803e5	2.109e5	2.694e5	0.78	NO	21.42	100.000	1.000	2.938e6	1584	1854.1	3.852e6	1122	3433.2	02-Oct-12	15:14:38	bb

Compound name: Tetrafurans

Response Factor: 1.21803 ✓
 RRF SD: 0.0732841, Relative SD: 6.01663
 Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
 Curve type: RF

Filename	Sample ID	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	pg/uL	RRF	Height1	Noise1	SN1	Height2	Noise2	SN2	Acq.Date	Acq.Time	M
c02oct12a-4	CS0	1.324e3						0.250		2.058e4	471					02-Oct-12	10:36:23	
c02oct12a-5	CS1	2.312e3						0.500		3.227e4	419					02-Oct-12	11:22:39	
c02oct12a-6	CS2	9.475e3						2.000		1.374e5	417					02-Oct-12	12:09:00	
c02oct12a-7	CS3	4.526e4						10.000		6.540e5	476					02-Oct-12	12:55:31	
c02oct12a-8	CS4	1.712e5						40.000		2.481e6	577					02-Oct-12	13:41:53	
c02oct12a-9	CS5	9.053e5						200.000		1.351e7	770					02-Oct-12	14:28:18	
c02oct12a-10	CS6	2.162e6						500.000		3.129e7	1050					02-Oct-12	15:14:38	

Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld
 Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time
 Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Method: Untitled 21 Aug 2012 13:21:20
 Calibration: C:\MassLynx\Default.pro\Curvedb\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c02oct12a-4
 ID: CS0
 Date: 02-Oct-2012
 Time: 10:36:23
 Submitter:
 Task: HRMS3

*2.378 TCDF RfS
 (2781) (1.50) 1.325 ✓
 (842000) (0.25)
 gen. m. 11/1/12*

Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	RRF	lcal	RRF	%RSD	Height1	Noise1	Height2	Noise2	SN1	SN2	M
1.2378-TCDF	2.784e3	1.226e3	1.558e3	0.79	NO	21.54	1.323	1.218	1.218	6.0	1.835e4	470.6	2.472e4	602.9	39.0	41.0	bb
2.ES:13C-2378-TCDF	8.420e5	3.738e5	4.682e5	0.80	NO	21.52	1.621	1.655	1.655	3.0	5.271e6	2436.1	6.638e6	3358.1	2163.7	1976.8	bb
3. JS:13C-1234-TCDD	5.194e5	2.259e5	2.935e5	0.77	NO	21.43	1.000	1.000	1.000	0.0	3.185e6	3234.4	4.255e6	3549.2	984.6	1198.9	bb
4. Tetrafurans		1.324e3							1.218	6.0	2.058e4	470.6					
5. F1 Lock Mass																	

Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time
Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

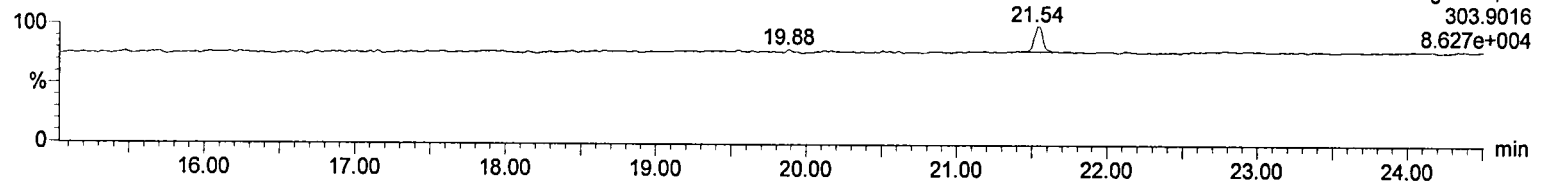
Method: Untitled 21 Aug 2012 13:21:20

Calibration: C:\MassLynx\Default.pro\Curvedb\VFXms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c02oct12a-4, ID: CS0, Date: 02-Oct-2012, Time: 10:36:23, Submitter: , Task: HRMS3

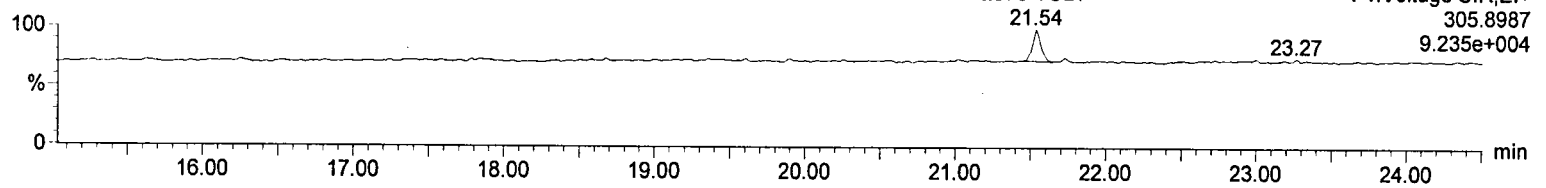
2378-TCDF

c02oct12a-4



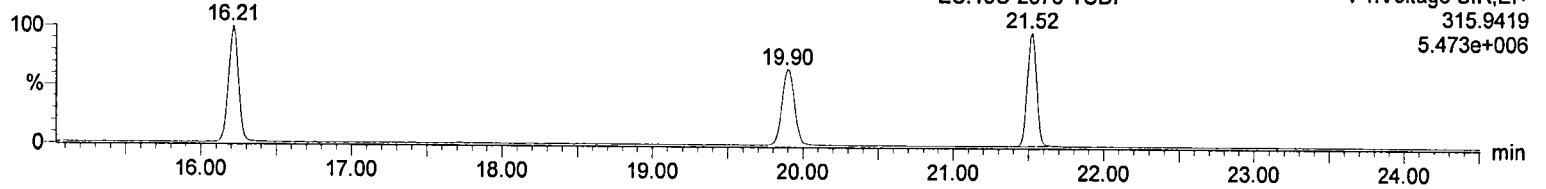
2378-TCDF

c02oct12a-4



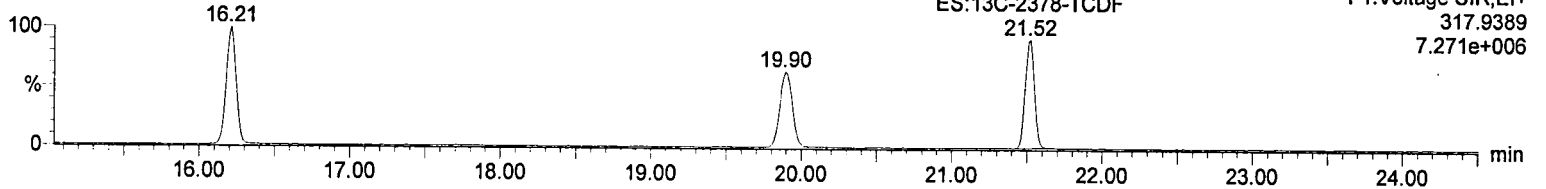
ES:13C-2378-TCDF

c02oct12a-4



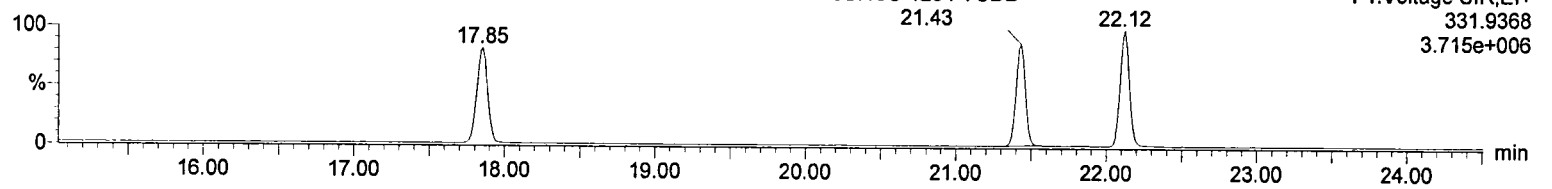
ES:13C-2378-TCDF

c02oct12a-4



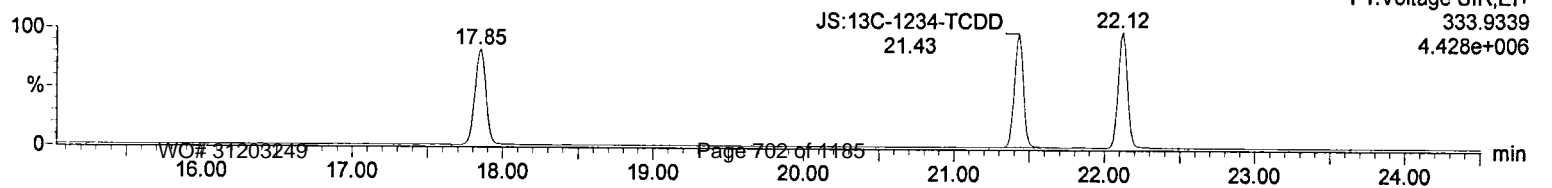
JS:13C-1234-TCDD

c02oct12a-4



JS:13C-1234-TCDD

c02oct12a-4



Dataset: C:\MassLynx\Default.pro\Curved\c02oct12a_Confirm-TD.qld
 Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time
 Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-5
 ID: CS1
 Date: 02-Oct-2012
 Time: 11:22:39
 Submitter:
 Task: HRMS3

1.18
 (827750) (1.50) (1.50)
 (511600) (1.50) (1.50)
 RRS
 12C-2378-TCDF
 LLI on 11/1/12

Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	RRF	Ical	RRF	%RSD	Height1	Noise1	Height2	Noise2	SN1	SN2	M
1 2378-TCDF	5.249e3	2.312e3	2.937e3	0.79	NO	21.52	1.268	1.218	6.0	3.227e4	419.3	4.846e4	629.9	76.9	76.9	bb	
2 ES:13C-2378-TCDF	8.277e5	3.626e5	4.650e5	0.78	NO	21.51	1.618	1.655	3.0	5.207e6	2355.1	6.749e6	1941.7	2210.9	3475.6	bb	
3 JS:13C-1234-TCDD	5.116e5	2.345e5	2.772e5	0.85	NO	21.42	1.000	1.000	0.0	3.251e6	2079.6	3.858e6	1231.1	1563.2	3133.7	bb	
4 Tetrafurans																	
5 F1 Lock Mass		2.312e3						1.218	6.0	3.227e4	419.3						

Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

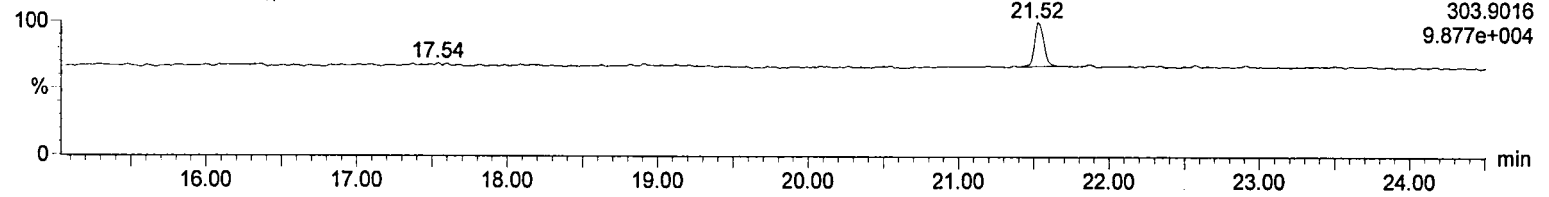
Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time

Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-5, ID: CS1, Date: 02-Oct-2012, Time: 11:22:39, Submitter: , Task: HRMS3

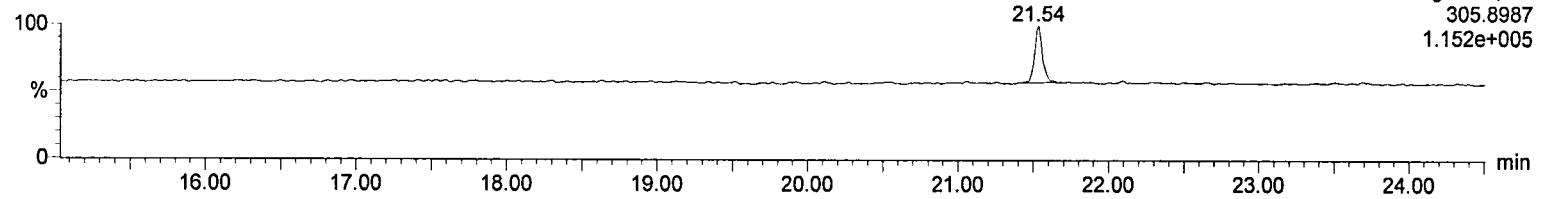
2378-TCDF

c02oct12a-5



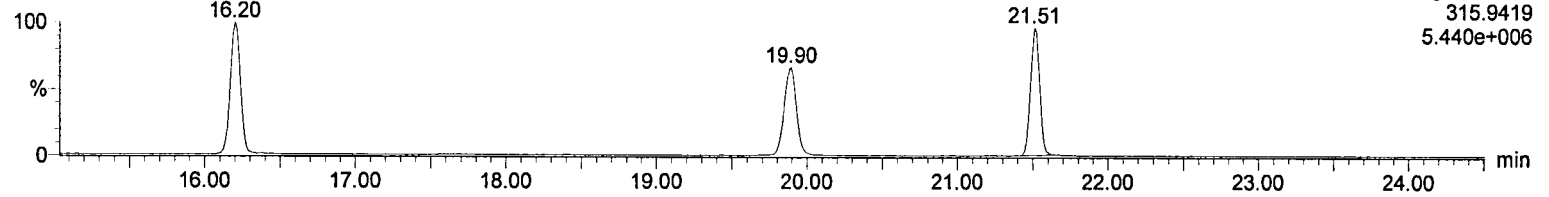
2378-TCDF

c02oct12a-5



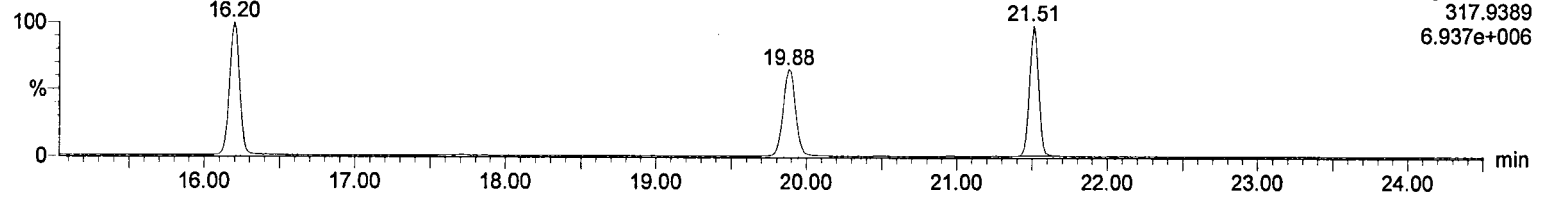
ES:13C-2378-TCDF

c02oct12a-5



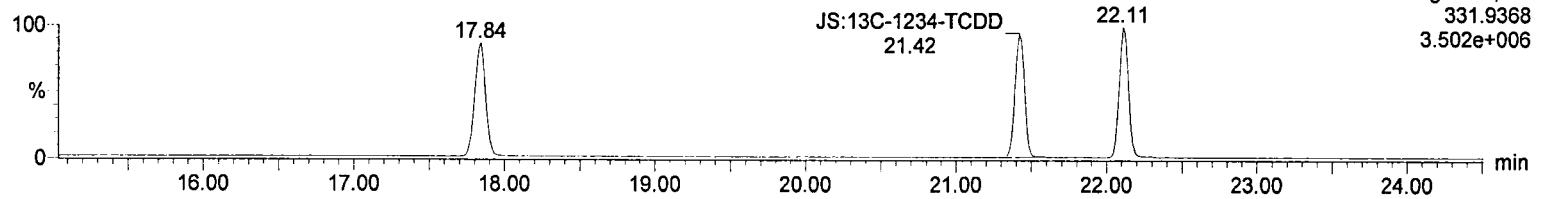
ES:13C-2378-TCDF

c02oct12a-5



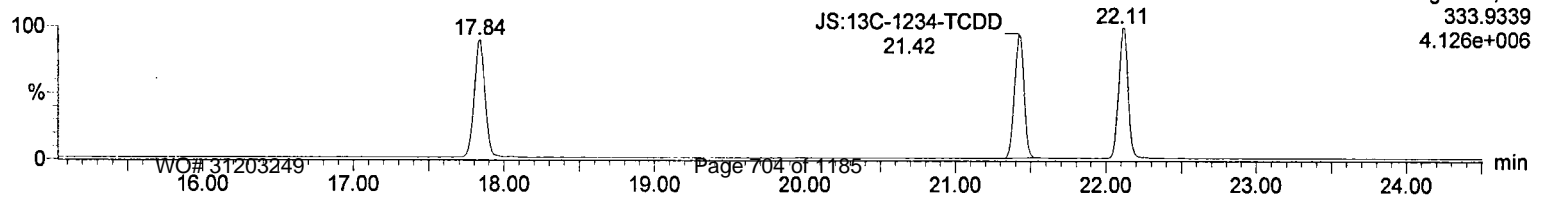
JS:13C-1234-TCDD

c02oct12a-5



JS:13C-1234-TCDD

c02oct12a-5



Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

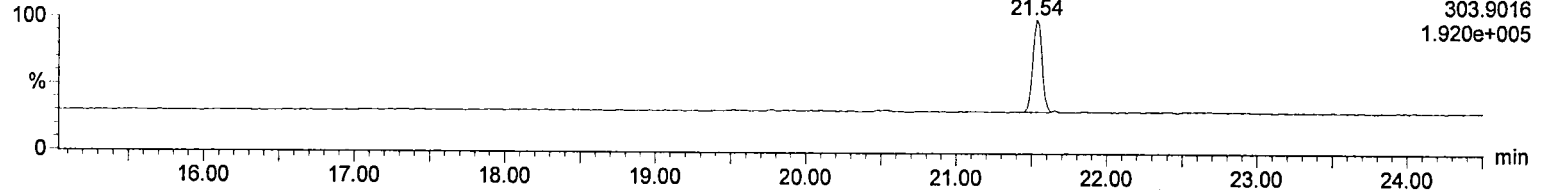
Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time

Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-6, ID: CS2, Date: 02-Oct-2012, Time: 12:09:00, Submitter: , Task: HRMS3

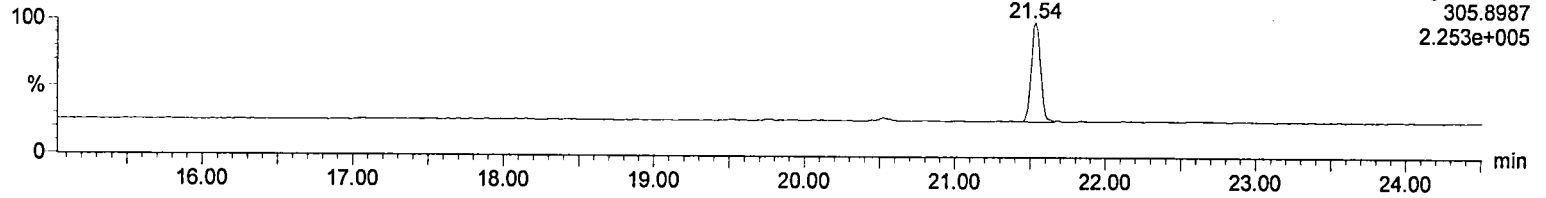
2378-TCDF

c02oct12a-6



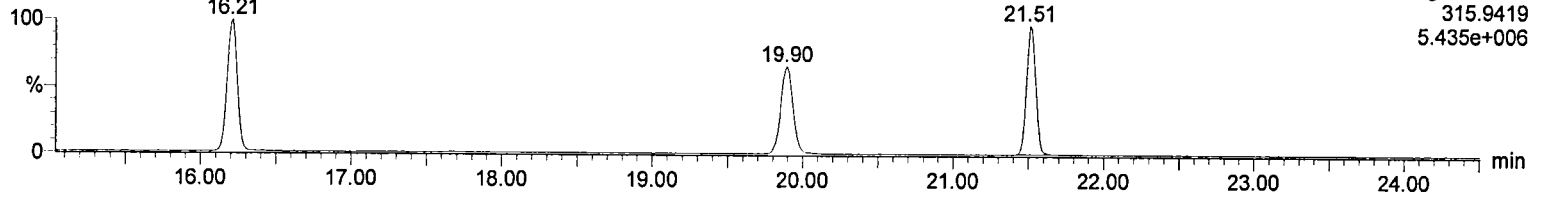
2378-TCDF

c02oct12a-6



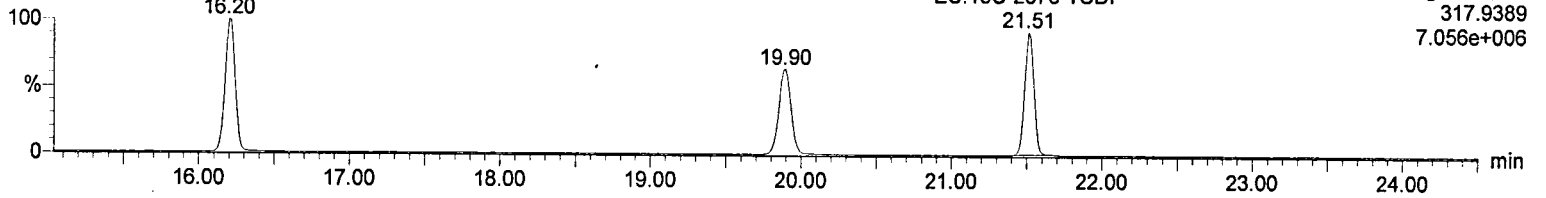
ES:13C-2378-TCDF

c02oct12a-6



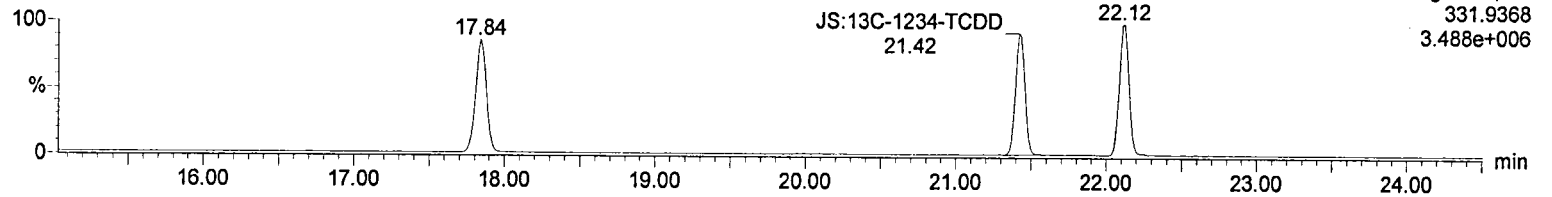
ES:13C-2378-TCDF

c02oct12a-6



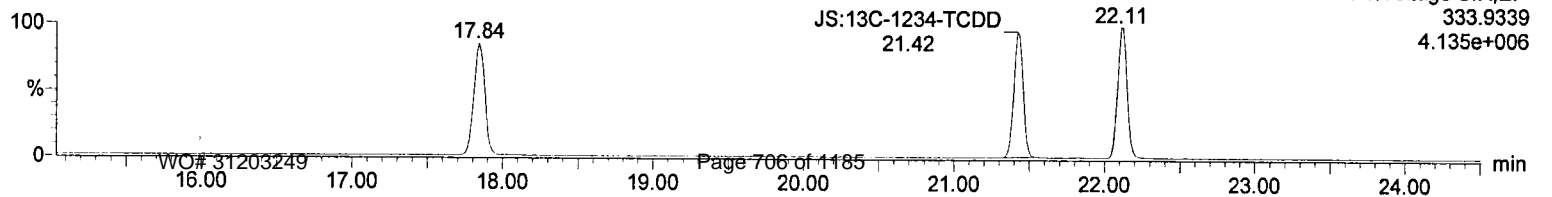
JS:13C-1234-TCDD

c02oct12a-6



JS:13C-1234-TCDD

c02oct12a-6



Quantify Sample Summary Report MassLynx 4.1
 ### CF ICAL Summary ###

Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld
 Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time
 Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-7
 ID: CS3
 Date: 02-Oct-2012
 Time: 12:55:31
 Submitter:
 Task: HRMS3

1.92 ✓
 2378 TCDF RRF
 $\frac{(23530)(10)}{(2672)(10)}$

per. msc 1/1/12

Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	RRF	Ical RRF	%RSD	Height1	Noise1	Height2	Noise2	SN1	SN2	M
2378-TCDF	9.967e4	4.469e4	5.498e4	0.81	NO	21.54	1.193	1.218	6.0	6.433e5	475.8	7.712e5	593.6	1352.0	1299.1	bb
ES:13C-2378-TCDF	8.353e5	3.704e5	4.649e5	0.80	NO	21.52	1.695	1.655	3.0	5.265e6	2327.4	6.662e6	1888.8	2262.0	3526.9	bb
JS:13C-1234-TCDD	4.929e5	2.216e5	2.713e5	0.82	NO	21.43	1.000	1.000	0.0	3.172e6	2257.2	3.736e6	960.7	1405.4	3889.1	bb
Tetrafurans		4.526e4						1.218	6.0	6.540e5	475.8					
F1 Lock Mass																

Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

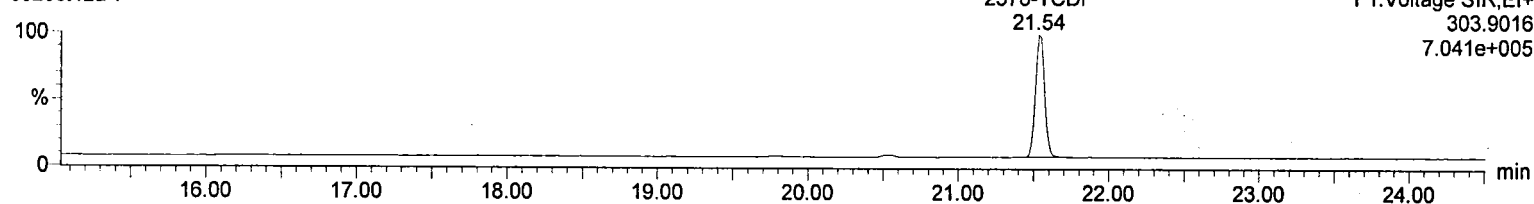
Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time

Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-7, ID: CS3, Date: 02-Oct-2012, Time: 12:55:31, Submitter: , Task: HRMS3

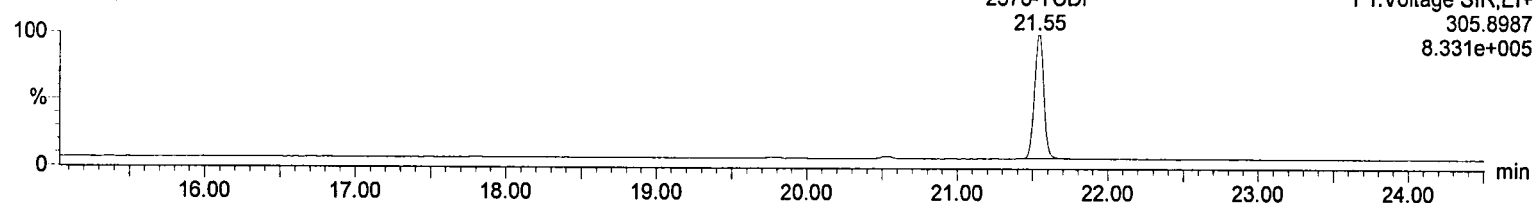
2378-TCDF

c02oct12a-7



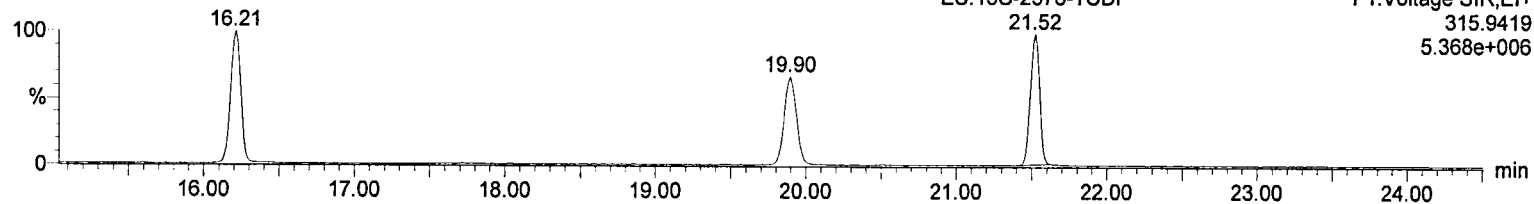
2378-TCDF

c02oct12a-7



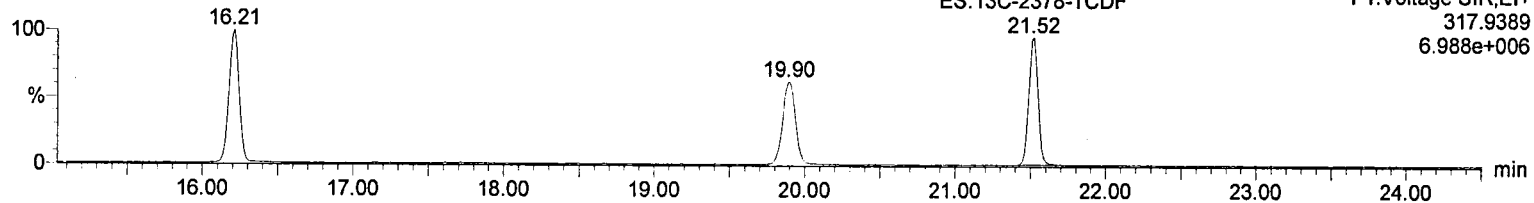
ES:13C-2378-TCDF

c02oct12a-7



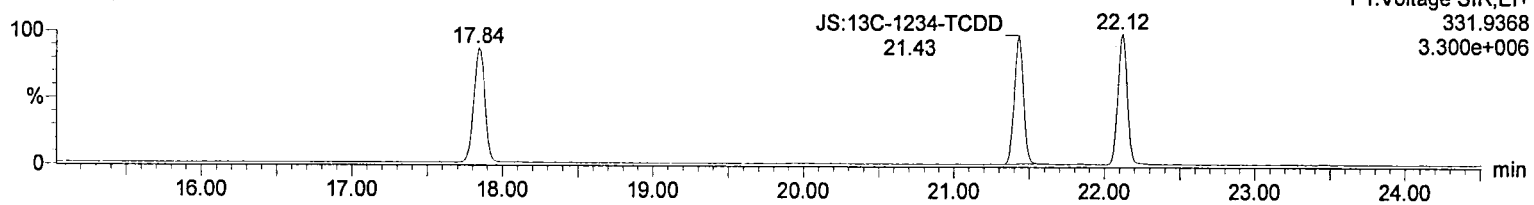
ES:13C-2378-TCDF

c02oct12a-7



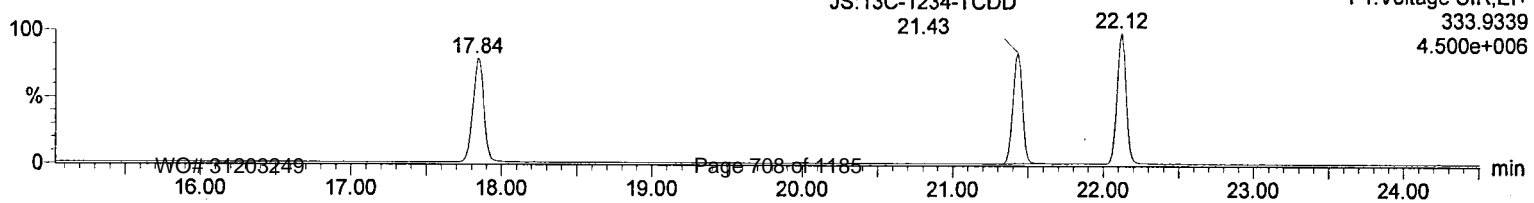
JS:13C-1234-TCDD

c02oct12a-7



JS:13C-1234-TCDD

c02oct12a-7



Dataset: C:\MassLynx\Default.pro\Curved\bc02oct12a_Confirm-TD.qld
 Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time
 Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-8
 ID: CS4
 Date: 02-Oct-2012
 Time: 13:41:53
 Submitter:
 Task: HRMS3

(837803) (NO)
(510503) (NO)
13C-2378-TCDF RRF
167.9
RRF. rrr 11/1/12

Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	RRF	ICAL	RRF	%RSD	Height1	Noise1	Height2	Noise2	SN1	SN2	M
1 2378-TCDF	3.844e5	1.712e5	2.131e5	0.80	NO	21.55	1.147	1.218	1.218	6.0	2.481e6	577.4	3.066e6	727.9	4296.6	4212.6	bb
2 ES:13C-2378-TCDF	8.378e5	3.697e5	4.681e5	0.79	NO	21.52	1.623	1.655	1.655	3.0	5.464e6	2109.8	6.857e6	1636.8	2589.7	4189.4	bb
3 JS:13C-1234-TCDD	5.163e5	2.317e5	2.846e5	0.81	NO	21.43	1.000	1.000	1.000	0.0	3.206e6	2287.0	4.040e6	1300.1	1402.1	3107.4	bb
4 Tetrafurans																	
5 F1 Lock Mass		1.712e5					1.218	6.0	2.481e6	577.4							

Dataset: C:\MassLynx\Default.pro\Curvedblc02oct12a_Confirm-TD.qld

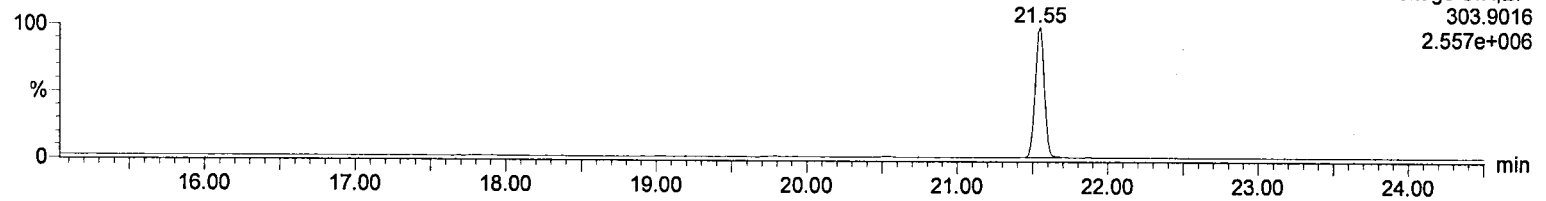
Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time

Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-8, ID: CS4, Date: 02-Oct-2012, Time: 13:41:53, Submitter: , Task: HRMS3

2378-TCDF

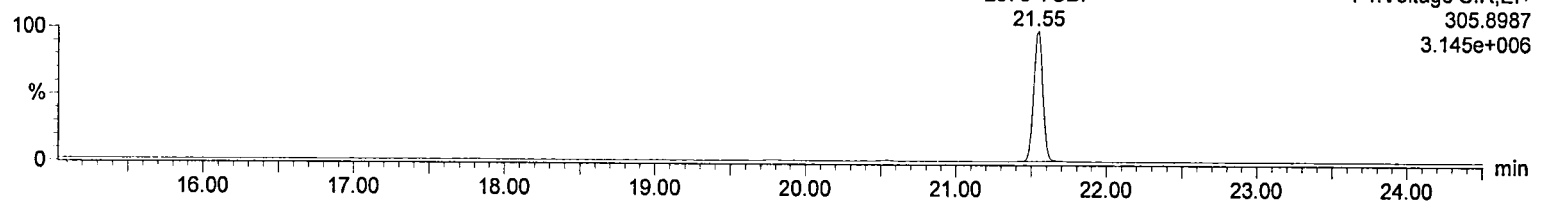
c02oct12a-8



F1:Voltage SIR,EI+
303.9016
2.557e+006

2378-TCDF

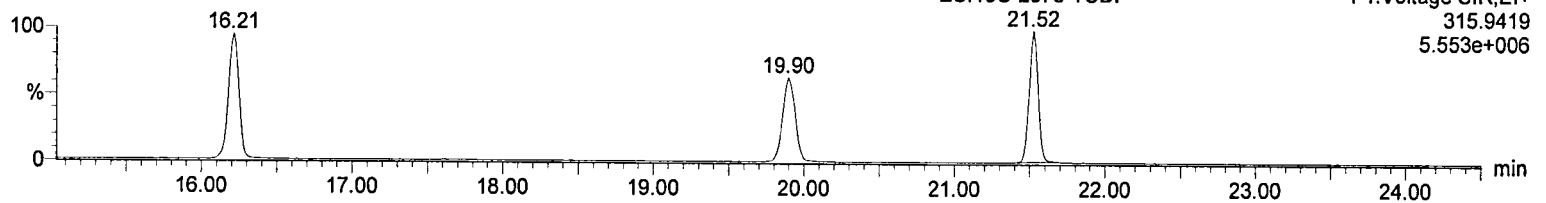
c02oct12a-8



F1:Voltage SIR,EI+
305.8987
3.145e+006

ES:13C-2378-TCDF

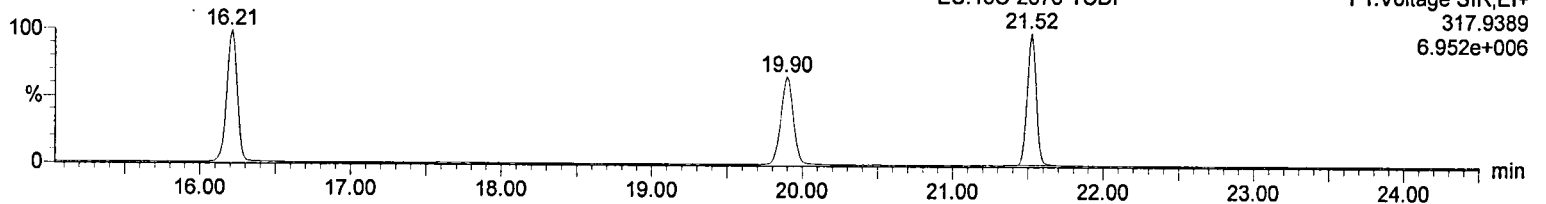
c02oct12a-8



F1:Voltage SIR,EI+
315.9419
5.553e+006

ES:13C-2378-TCDF

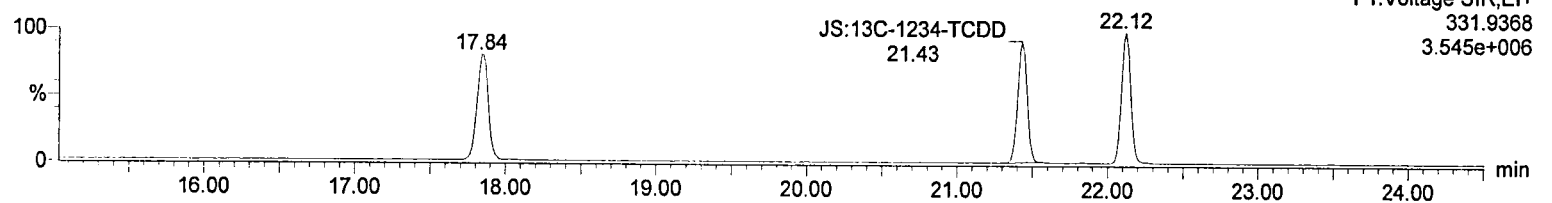
c02oct12a-8



F1:Voltage SIR,EI+
317.9389
6.952e+006

JS:13C-1234-TCDD

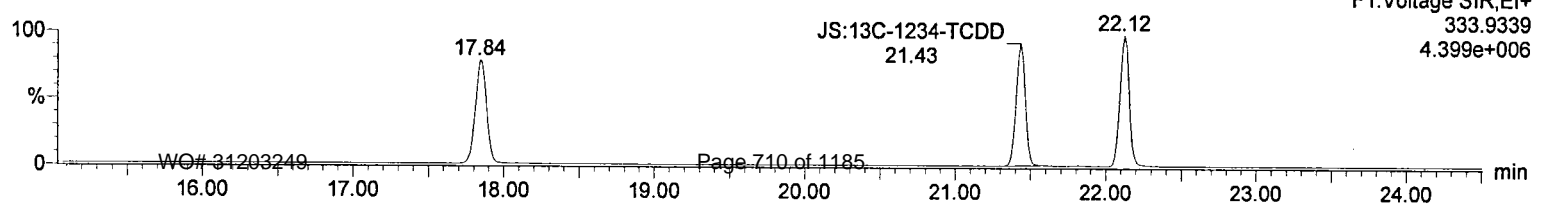
c02oct12a-8



F1:Voltage SIR,EI+
331.9368
3.545e+006

JS:13C-1234-TCDD

c02oct12a-8



F1:Voltage SIR,EI+
333.9339
4.399e+006

Quantify Sample Summary Report MassLynx 4.1
 ### CF ICAL Summary ###

Dataset: C:\MassLynx\Default.pro\Curved\b02oct12a_Confirm-TD.qld
 Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time
 Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-9
 ID: CS5
 Date: 02-Oct-2012
 Time: 14:28:18
 Submitter:
 Task: HRMS3

2378-TCDF peak
 (2378.05) (100)
 (2378.05) (100) = 1143
 peak. m.m. 11/1/12

Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	RRF	ICAL	RRF	%RSD	Height1	Noise1	Height2	Noise2	SN1	SN2	M
2378-TCDF	2.042e6	9.053e5	1.137e6	0.80	NO	21.54	1.143	1.218	1.218	6.0	1.351e7	770.4	1.692e7	1045.2	17543.2	16184.1	bb
ES:13C-2378-TCDF	8.936e5	3.866e5	5.070e5	0.76	NO	21.51	1.664	1.655	1.655	3.0	5.535e6	2485.9	7.447e6	1640.0	2226.7	4540.7	bb
JS:13C-1234-TCDD	5.369e5	2.415e5	2.954e5	0.82	NO	21.42	1.000	1.000	1.000	0.0	3.490e6	2280.5	4.164e6	1464.7	1530.4	2843.0	bb
Tetrafurans		9.053e5					1.218		1.218	6.0	1.351e7	770.4					
F1 Lock Mass																	

Quantify Sample Report
CF ICAL Summary

MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

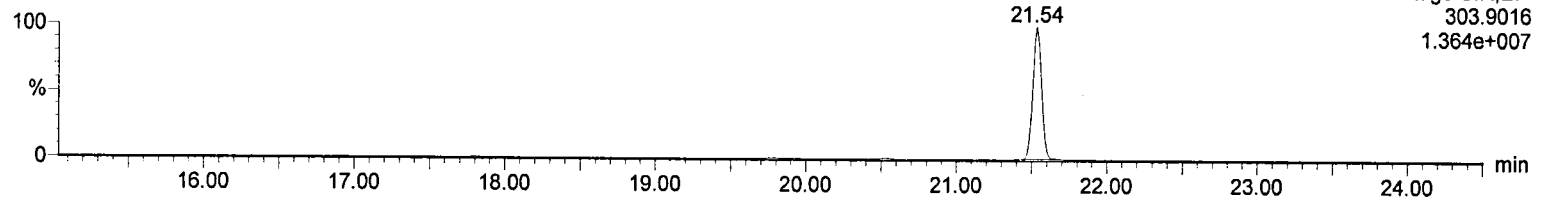
Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time

Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-9, ID: CS5, Date: 02-Oct-2012, Time: 14:28:18, Submitter: , Task: HRMS3

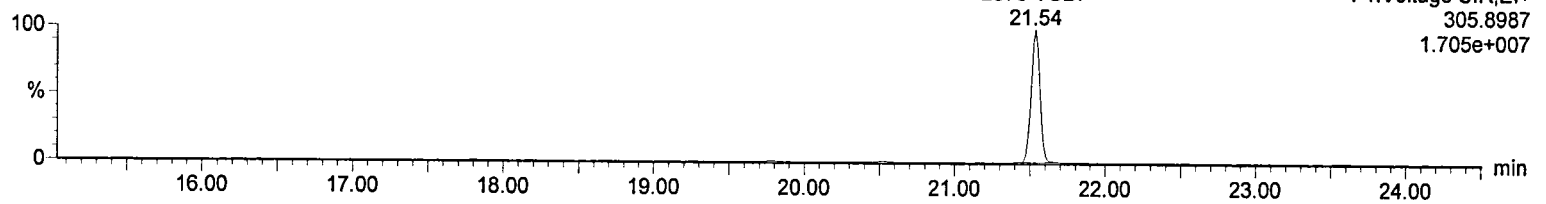
2378-TCDF

c02oct12a-9



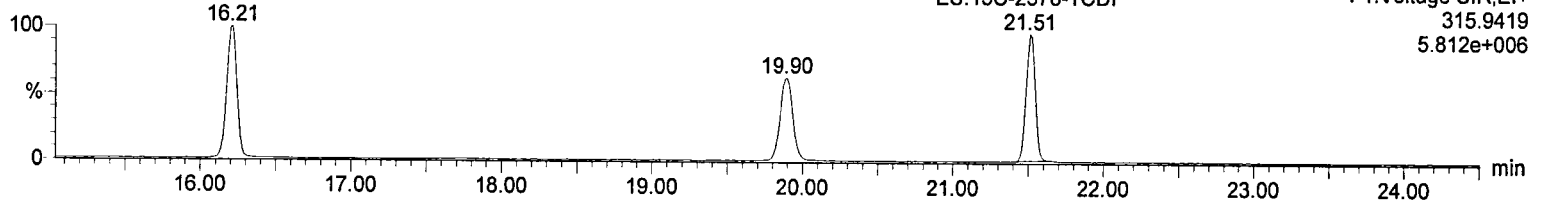
2378-TCDF

c02oct12a-9



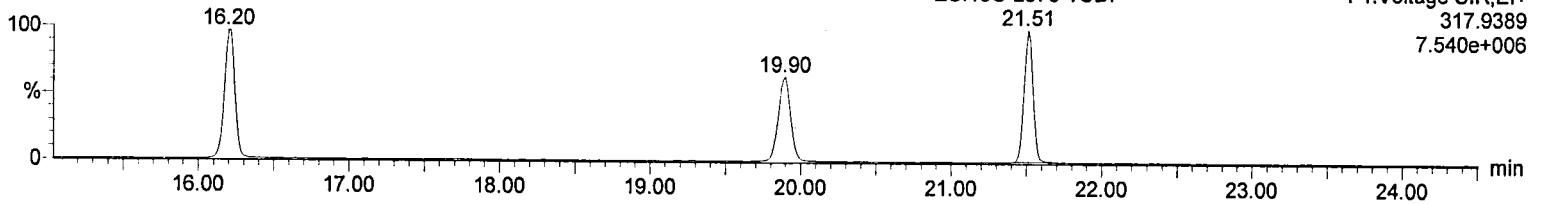
ES:13C-2378-TCDF

c02oct12a-9



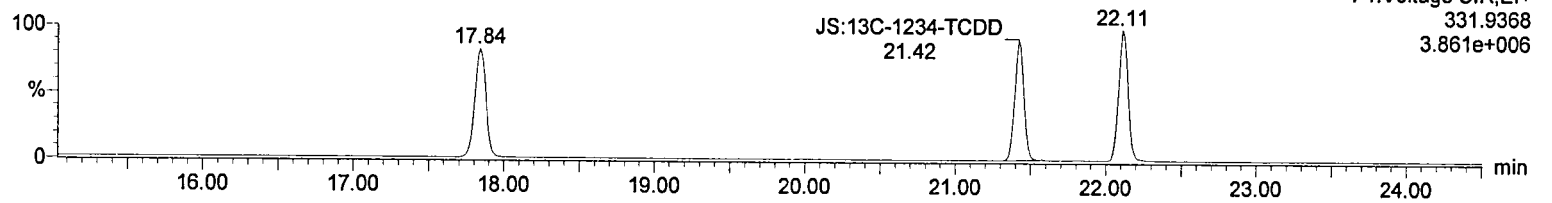
ES:13C-2378-TCDF

c02oct12a-9



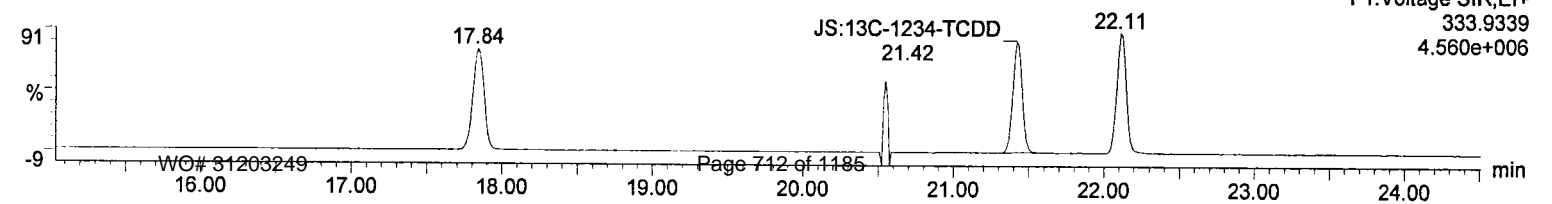
JS:13C-1234-TCDD

c02oct12a-9



JS:13C-1234-TCDD

c02oct12a-9



Dataset: C:\MassLynx\Default.pro\Curved\b\c02oct12a_Confirm-TD.qld
 Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time
 Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-10
 ID: CS6
 Date: 02-Oct-2012
 Time: 15:14:38
 Submitter:
 Task: HRMS3

2378-TCDF RRT
 (1888000)(100)
 (1858500)(500)
 11/1/12
 11/1/12

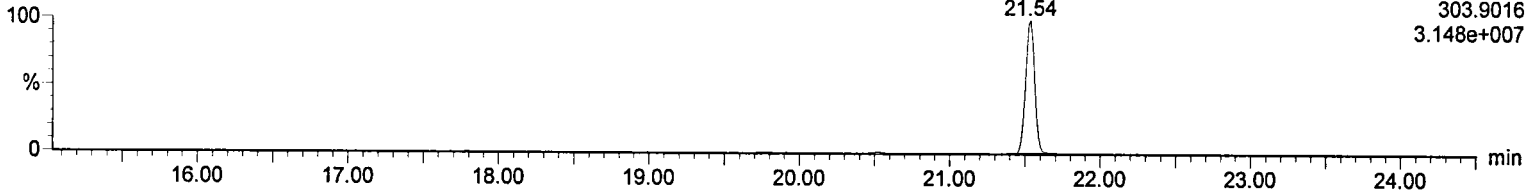
Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	RRF	Ical	RRF	%RSD	Height1	Noise1	Height2	Noise2	SN1	SN2	M
2378-TCDF	4.888e6	2.162e6	2.726e6	0.79	NO	21.54	1.166	1.218	6.0	3.129e7	1049.7	3.929e7	1283.8	29809.3	30607.7	bb	
ES:13C-2378-TCDF	8.385e5	3.667e5	4.718e5	0.78	NO	21.51	1.746	1.655	3.0	5.275e6	2076.5	6.852e6	2098.4	2540.5	3265.4	bb	
JS:13C-1234-TCDD	4.803e5	2.108e5	2.694e5	0.78	NO	21.42	1.000	1.000	0.0	2.938e6	1584.4	3.852e6	1121.9	1854.1	3433.2	bb	
Tetrafurans																	
F1 Lock Mass		2.162e6					1.218	6.0	3.129e7	1049.7							

Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

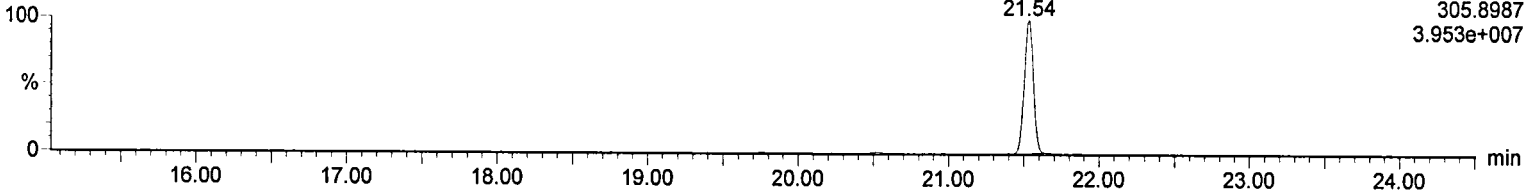
Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time
Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-10, ID: CS6, Date: 02-Oct-2012, Time: 15:14:38, Submitter: , Task: HRMS3

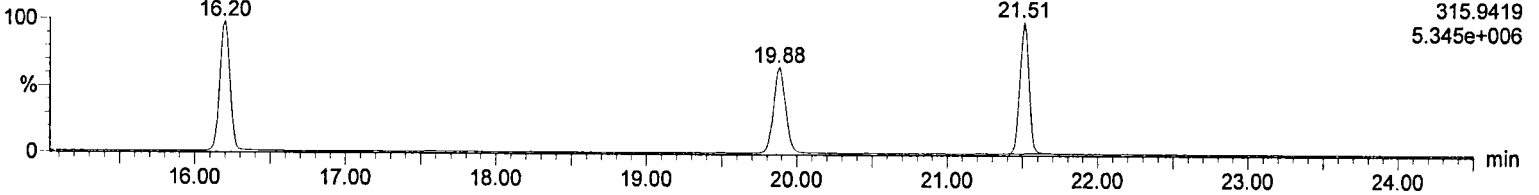
2378-TCDF
c02oct12a-10



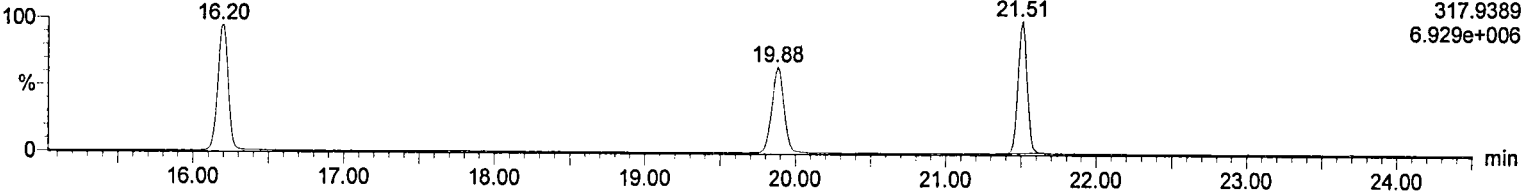
2378-TCDF
c02oct12a-10



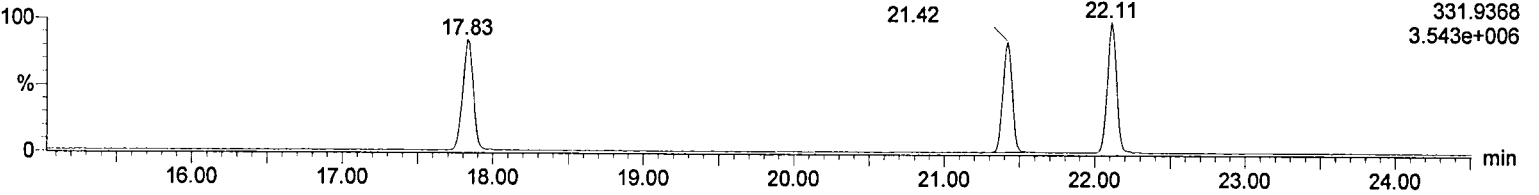
ES:13C-2378-TCDF
c02oct12a-10



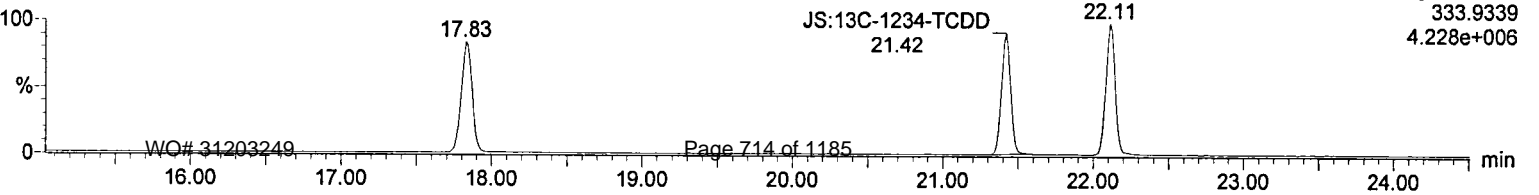
ES:13C-2378-TCDF
c02oct12a-10



JS:13C-1234-TCDD
c02oct12a-10



JS:13C-1234-TCDD
c02oct12a-10



SGS Analytical Perspectives

PCB ICAL Summary

REVIEWED
By Michael, Journey at 2:53 pm, 11/21/12

ICAL: MM7_PCB_07132012_25JUL12
Acquired: 26 Jul 2012
Date Processed: 27 Jul 2012 17:07

120725X15 120725X15 120725X15 120725X16 120725X17 120725X18 120725X19

Name	Mean	% RSD	CS0	CS1	5	50	400	2000
PCB-77 33'44'-TeCB	1.13	4.9%	1.12	1.06	1.09	1.16	1.20	1.18
PCB-81 344'5'-TeCB	1.13	5.9%	1.09	1.03	1.09	1.17	1.20	1.18
PCB-105 233'44'-PeCB	1.09	5.3%	1.07	1.01	1.06	1.14	1.16	1.13
PCB-114 2344'5'-PeCB	1.16	5.1%	1.10	1.10	1.13	1.22	1.22	1.20
PCB-118 23'44'5'-PeCB	1.11	4.7%	1.13	1.05	1.03	1.13	1.17	1.12
PCB-123 2'344'5'-PeCB	1.19	4.4%	1.18	1.12	1.19	1.16	1.26	1.23
PCB-126 33'44'5'-PeCB	1.06	5.0%	1.04	0.98	1.04	1.08	1.11	1.12
PCB-156/157 233'44'5'/233'44'5'	1.11	3.2%	1.09	1.07	1.07	1.13	1.16	1.12
PCB-167 23'44'55'-HxCB	1.14	4.5%	1.08	1.07	1.11	1.18	1.19	1.17
PCB-169 33'44'55'-HxCB	1.11	4.1%	1.07	1.05	1.10	1.15	1.16	1.14
PCB-189 233'44'55'-HpCB	1.06	4.3%	1.03	1.00	1.02	1.08	1.11	1.10
PCB-209 DeCB	1.07	2.5%	1.10	1.06	1.03	1.09	1.10	1.07

ES PCB-1	1.08	1.0%	1.09	1.09	1.07	1.08	1.06	1.09
ES PCB-3	1.08	1.1%	1.08	1.09	1.07	1.08	1.07	1.10
ES PCB-4	0.49	0.9%	0.49	0.49	0.49	0.49	0.48	0.49
ES PCB-15	1.11	1.1%	1.10	1.11	1.10	1.11	1.13	1.12
ES PCB-19	0.55	1.3%	0.56	0.56	0.56	0.56	0.55	0.54
ES PCB-37	1.64	1.3%	1.63	1.62	1.62	1.63	1.65	1.67
ES PCB-54	0.94	2.0%	0.94	0.95	0.97	0.94	0.91	0.93
ES PCB-77	1.35	1.1%	1.34	1.35	1.35	1.33	1.37	1.34
ES PCB-81	1.29	1.3%	1.27	1.29	1.28	1.27	1.32	1.29
ES PCB-104	0.99	1.1%	0.98	1.01	1.00	0.99	0.98	1.00
ES PCB-105	1.23	1.0%	1.23	1.25	1.24	1.22	1.23	1.23
ES PCB-114	1.25	1.4%	1.25	1.26	1.26	1.23	1.26	1.22
ES PCB-118	1.28	0.6%	1.28	1.29	1.29	1.27	1.28	1.28
ES PCB-123	1.22	1.3%	1.21	1.24	1.21	1.20	1.24	1.22
ES PCB-126	1.20	0.7%	1.21	1.19	1.20	1.19	1.20	1.21
ES PCB-153	1.14	1.0%	1.14	1.15	1.15	1.14	1.12	1.15
ES PCB-155	1.50	1.3%	1.49	1.49	1.50	1.53	1.46	1.50
ES PCB-156/157	1.45	1.2%	1.48	1.45	1.44	1.45	1.44	1.48
ES PCB-167	1.49	1.2%	1.52	1.50	1.48	1.48	1.48	1.50
ES PCB-169	1.40	1.2%	1.42	1.40	1.38	1.39	1.41	1.42
ES PCB-170	1.00	0.8%	1.01	0.99	0.99	1.01	1.01	1.00
ES PCB-180	1.16	1.6%	1.15	1.14	1.14	1.18	1.16	1.18
ES PCB-188	1.18	0.9%	1.19	1.17	1.17	1.19	1.17	1.18
ES PCB-189	1.49	1.6%	1.48	1.46	1.46	1.50	1.50	1.52
ES PCB-202	1.14	0.7%	1.15	1.14	1.13	1.13	1.13	1.14
ES PCB-205	1.20	0.9%	1.20	1.19	1.19	1.20	1.21	1.22
ES PCB-206	0.87	1.1%	0.88	0.85	0.86	0.87	0.88	0.87

CS0 Pb-1 near saturation. Approved by Yves Tondeur, +0.8% Dev., Peak shape of native mirrors ES, RES = 4.9%

APPROVED
By Bryan Vining at 1:32 pm, Jul 31, 2012

PCB ICAL Summary

SGS Analytical Perspectives

Printed: 28 Jul 2012 10:09

ICAL: MM7_PCB_07132012_25JUL12

Acquired: 26 Jul 2012

120725X15 120725X16 120725X17 120725X18 120725X19

Name	Mean	% RSD	0.5		1		5		50		400		2000	
			CS0	CS5	CS1	CS2	CS3	CS4	CS5	CS3	CS4	CS4	CS5	
ES PCB-208	1.19	0.9%	1.19	1.18	1.17	1.18	1.20	1.20	1.20	1.20	1.20	1.20	1.19	1.19
ES PCB-209	1.00	0.8%	1.01	1.00	0.99	1.00	1.01	1.01	1.01	1.01	1.01	1.01	1.00	1.00
SS PCB-28	1.07	0.9%	1.07	1.08	1.09	1.08	1.08	1.08	1.08	1.08	1.07	1.07	1.06	1.06
SS PCB-111	1.01	0.9%	1.01	1.01	0.99	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.01
SS PCB-178	0.63	1.3%	0.62	0.64	0.63	0.64	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63
CS PCB-28	1.76	0.6%	1.74	1.75	1.76	1.75	1.76	1.76	1.76	1.76	1.77	1.77	1.77	1.77
CS PCB-111	1.23	0.8%	1.22	1.23	1.23	1.23	1.21	1.23	1.21	1.21	1.23	1.23	1.23	1.23
CS PCB-178	0.74	0.8%	0.73	0.75	0.74	0.75	0.74	0.75	0.74	0.74	0.73	0.73	0.74	0.74
PCB-1 2-MoCB	1.03	7.6%	0.93	1.01	0.95	1.01	1.08	1.01	1.08	1.12	1.12	1.10	1.10	1.10
PCB-3 4-MoCB	1.04	7.6%	0.95	1.01	0.96	1.01	1.09	1.01	1.09	1.12	1.12	1.13	1.13	1.13
PCB-4 22-DiCB	1.17	5.4%	1.12	1.13	1.09	1.13	1.22	1.13	1.22	1.24	1.24	1.21	1.21	1.21
PCB-15 44-DiCB	1.08	4.1%	1.03	1.04	1.05	1.04	1.10	1.04	1.10	1.14	1.14	1.12	1.12	1.12
PCB-19 22'6-TrCB	1.09	5.8%	1.06	1.04	1.01	1.04	1.14	1.04	1.14	1.17	1.17	1.14	1.14	1.14
PCB-37 344'-TrCB	1.10	3.7%	1.10	1.06	1.05	1.06	1.14	1.06	1.14	1.15	1.15	1.12	1.12	1.12
PCB-54 22'66'-TeCB	1.21	6.2%	1.13	1.17	1.13	1.17	1.27	1.17	1.27	1.30	1.30	1.25	1.25	1.25
PCB-104 22'466'-PeCB	1.25	4.7%	1.25	1.23	1.15	1.23	1.32	1.23	1.32	1.31	1.31	1.27	1.27	1.27
PCB-153 22'44'55'-HxCB	1.22	5.7%	1.21	1.15	1.13	1.15	1.28	1.15	1.28	1.30	1.30	1.25	1.25	1.25
PCB-155 22'44'66'-HxCB	1.09	4.7%	1.03	1.04	1.06	1.04	1.13	1.04	1.13	1.15	1.15	1.13	1.13	1.13
PCB-170 22'33'44'5'-HpCB	1.07	5.7%	1.03	1.04	0.99	1.04	1.12	1.04	1.12	1.13	1.13	1.13	1.13	1.13
PCB-180 22'344'55'-HpCB	1.16	5.1%	1.14	1.14	1.06	1.14	1.19	1.14	1.19	1.22	1.22	1.20	1.20	1.20
PCB-188 22'34'566'-HpCB	1.03	6.0%	0.93	1.02	0.99	1.02	1.08	1.02	1.08	1.10	1.10	1.07	1.07	1.07
PCB-202 22'33'55'66'-OcCB	0.91	4.7%	0.90	0.89	0.85	0.89	0.95	0.89	0.95	0.96	0.96	0.94	0.94	0.94
PCB-205 233'44'55'6'-OcCB	1.09	4.2%	1.09	1.04	1.02	1.04	1.11	1.04	1.11	1.14	1.14	1.12	1.12	1.12
PCB-208 22'33'455'66'-NoCB	1.02	5.3%	0.97	0.98	0.96	0.98	1.06	0.98	1.06	1.08	1.08	1.06	1.06	1.06
PCB-206 22'33'44'55'6'-NoCB	0.98	5.5%	0.95	0.95	0.90	0.95	1.01	0.95	1.01	1.04	1.04	1.02	1.02	1.02

PCB ICAL Summary - Ax2 Detail

SGS Analytical Perspectives

Printed: 28 Jul 2012 10:09

ICAL: MM7_PCB_07132012_25JUL12

Acquired: 26 Jul 2012

Name	Mean	% RSD	CS0	1	5	50	400	2000
PCB-1 2-MoCB	1.03	7.6%	0.93	0.95	1.01	1.08	1.12	1.10
PCB-2 3-MoCB	1.04	8.7%	0.94	0.93	1.02	1.09	1.14	1.13
PCB-3 4-MoCB	1.04	7.6%	0.95	0.96	1.01	1.09	1.12	1.13
PCB-4 22-DiCB	1.17	5.4%	1.12	1.09	1.13	1.22	1.24	1.21
PCB-10 26-DiCB	1.83	5.6%	1.82	1.66	1.79	1.91	1.93	1.89
PCB-9 25-DiCB	0.89	6.8%	0.81	0.84	0.88	0.95	0.95	0.95
PCB-7 24-DiCB	1.02	6.7%	0.92	0.97	1.01	1.08	1.08	1.08
PCB-6 23-DiCB	0.95	7.7%	0.86	0.87	0.93	1.01	1.01	1.01
PCB-5 23-DiCB	0.97	5.9%	0.93	0.89	0.94	1.03	1.02	1.02
PCB-8 24-DiCB	0.98	7.5%	0.88	0.91	0.98	1.04	1.05	1.04
PCB-14 35-DiCB	1.16	6.1%	1.07	1.09	1.13	1.21	1.23	1.22
PCB-11 33-DiCB	1.00	7.8%	0.88	0.95	0.98	1.05	1.07	1.07
PCB-13/12 34'-/34-DiCB	1.02	6.5%	0.96	0.93	0.99	1.07	1.09	1.07
PCB-15 44-DiCB	1.08	4.1%	1.03	1.05	1.04	1.10	1.14	1.12
PCB-19 22'6-TrCB	1.09	5.8%	1.06	1.01	1.04	1.14	1.17	1.14
PCB-30/18 246-/22'5-TrCB	1.46	6.7%	1.35	1.35	1.43	1.53	1.58	1.52
PCB-17 22'4-TrCB	1.25	7.6%	1.14	1.16	1.20	1.32	1.36	1.33
PCB-27 23'6-TrCB	1.69	6.2%	1.64	1.57	1.60	1.75	1.84	1.75
PCB-24 23'6-TrCB	1.63	5.7%	1.55	1.51	1.61	1.68	1.72	1.74
PCB-16 22'3-TrCB	0.95	9.5%	0.90	0.85	0.89	1.03	1.08	0.98
PCB-32 24'6-TrCB	1.79	5.7%	1.70	1.67	1.72	1.86	1.91	1.87
PCB-34 2'35-TrCB	1.05	5.4%	1.01	0.96	1.03	1.10	1.10	1.08
PCB-23 23'5-TrCB	1.06	5.5%	1.00	0.99	1.03	1.11	1.11	1.10
PCB-26/29 23'5-/24'5-TrCB	1.09	4.8%	1.03	1.02	1.07	1.14	1.14	1.11
PCB-25 23'4-TrCB	1.07	5.5%	1.03	1.00	1.04	1.14	1.14	1.10
PCB-31 24'5-TrCB	1.11	5.6%	1.05	1.04	1.08	1.17	1.17	1.16
PCB-28/20 244'-/233'-TrCB	1.07	4.5%	1.03	1.01	1.04	1.12	1.12	1.09
PCB-21/33 234'-/2'34-TrCB	1.09	5.2%	1.06	1.02	1.06	1.15	1.16	1.11
PCB-22 234'-TrCB	1.02	4.8%	0.97	0.96	0.98	1.07	1.07	1.05
PCB-36 33'5-TrCB	1.13	4.3%	1.09	1.08	1.08	1.17	1.18	1.16
PCB-39 34'5-TrCB	1.17	5.5%	1.10	1.09	1.14	1.22	1.24	1.21
PCB-38 34'5-TrCB	1.03	5.9%	1.00	0.96	1.02	1.09	1.12	1.02
PCB-35 33'4-TrCB	1.04	4.3%	1.03	0.98	1.00	1.07	1.09	1.07
PCB-37 344'-TrCB	1.10	3.7%	1.10	1.05	1.06	1.14	1.15	1.12
PCB-54 22'66'-TeCB	1.21	6.2%	1.13	1.13	1.17	1.27	1.30	1.25
PCB-50/53 22'46-/22'56'TeCB	0.86	5.4%	0.80	0.82	0.83	0.91	0.89	0.89
PCB-45 22'36'-TeCB	0.73	11.3%	0.64	0.64	0.70	0.79	0.77	0.84
PCB-51 22'46'-TeCB	0.88	4.5%	0.87	0.84	0.87	0.92	0.93	0.84
PCB-46 22'36'-TeCB	0.70	6.2%	0.64	0.66	0.67	0.74	0.73	0.73
PCB-52 22'55'-TeCB	0.84	4.7%	0.81	0.79	0.83	0.89	0.87	0.87

PCB-73	23'5'6'-TeCB	1.09	6.3%	1.06	1.04	1.00	1.14	1.11	1.19
PCB-43	22'35'-TeCB	0.72	7.1%	0.68	0.65	0.73	0.78	0.78	0.72
PCB-69/49	23'46'-/22'45'-TeCB	1.01	6.0%	0.95	0.94	0.99	1.08	1.06	1.06
PCB-48	22'45'-TeCB	0.85	5.7%	0.82	0.79	0.82	0.90	0.89	0.89
PCB-44/47/65	22'35'-/22'44'-	0.89	5.9%	0.85	0.82	0.87	0.95	0.94	0.92
PCB-59/62/75	23'36'-/23'46'-/24	1.14	6.2%	1.08	1.05	1.13	1.22	1.22	1.14
PCB-42	22'34'-TeCB	0.77	6.6%	0.70	0.72	0.76	0.82	0.81	0.82
PCB-41	22'34'-TeCB	0.73	5.7%	0.75	0.70	0.66	0.75	0.73	0.78
PCB-71/40	23'46'/22'33'-TeCB	0.87	6.0%	0.83	0.79	0.85	0.92	0.92	0.88
PCB-64	23'46'-TeCB	1.24	4.3%	1.20	1.17	1.20	1.29	1.28	1.27
PCB-72	23'55'-TeCB	1.14	6.7%	1.07	1.06	1.09	1.21	1.21	1.22
PCB-68	23'45'-TeCB	1.21	7.0%	1.14	1.10	1.16	1.27	1.29	1.30
PCB-57	23'35'-TeCB	1.11	6.3%	1.07	1.01	1.05	1.18	1.16	1.16
PCB-58	23'35'-TeCB	1.10	7.4%	1.01	1.01	1.07	1.17	1.17	1.18
PCB-67	23'45'-TeCB	1.16	5.4%	1.09	1.10	1.12	1.21	1.23	1.20
PCB-63	23'45'-TeCB	1.22	6.7%	1.13	1.13	1.17	1.29	1.29	1.29
PCB-61/70/74/76	23'45'-/23'4'5	1.13	6.7%	1.05	1.04	1.11	1.20	1.21	1.18
PCB-66	23'44'-TeCB	1.08	5.8%	1.03	0.99	1.04	1.13	1.13	1.13
PCB-55	23'34'-TeCB	1.10	6.1%	1.02	1.03	1.06	1.15	1.16	1.16
PCB-56	23'34'-TeCB	1.06	6.5%	1.01	0.97	1.00	1.12	1.12	1.12
PCB-60	23'44'-TeCB	1.11	6.5%	1.06	1.02	1.06	1.16	1.18	1.18
PCB-80	33'55'-TeCB	1.25	6.6%	1.16	1.16	1.22	1.32	1.33	1.33
PCB-79	33'45'-TeCB	1.23	7.2%	1.15	1.16	1.16	1.31	1.36	1.26
PCB-78	33'45'-TeCB	1.08	5.3%	1.06	1.01	1.02	1.12	1.14	1.13
PCB-104	22'466'-PeCB	1.25	4.7%	1.25	1.15	1.23	1.32	1.31	1.27
PCB-96	22'366'-PeCB	1.08	4.8%	1.04	1.04	1.04	1.14	1.14	1.06
PCB-103	22'456'-PeCB	0.90	5.0%	0.87	0.85	0.86	0.95	0.93	0.95
PCB-94	22'356'-PeCB	0.78	6.6%	0.73	0.72	0.74	0.83	0.81	0.83
PCB-95	22'356'-PeCB	0.83	7.3%	0.77	0.74	0.82	0.88	0.86	0.88
PCB-100/93	22'44'6'-/22'356'-P	0.84	5.7%	0.80	0.78	0.84	0.92	0.86	0.87
PCB-102	22'456'-PeCB	0.90	8.4%	0.98	0.79	0.85	0.93	0.98	0.88
PCB-98	22'346'-PeCB	0.77	12.7%	0.59	0.78	0.76	0.82	0.80	0.88
PCB-88	22'346'-PeCB	0.79	6.5%	0.84	0.71	0.77	0.84	0.83	0.77
PCB-91	22'346'-PeCB	0.88	8.8%	0.76	0.84	0.86	0.93	0.92	0.97
PCB-84	22'336'-PeCB	0.71	6.1%	0.67	0.65	0.69	0.75	0.74	0.75
PCB-89	22'346'-PeCB	0.76	5.5%	0.72	0.71	0.75	0.81	0.79	0.80
PCB-121	23'456'-PeCB	1.14	5.1%	1.10	1.07	1.11	1.20	1.18	1.20
PCB-92	22'355'-PeCB	0.80	5.9%	0.75	0.74	0.78	0.85	0.84	0.84
PCB-113/90/101	23'3'5'6'/22'3	0.93	4.5%	0.90	0.88	0.92	0.99	0.97	0.95
PCB-83	22'335'-PeCB	0.71	4.1%	0.69	0.68	0.71	0.76	0.71	0.74
PCB-99	22'44'5'-PeCB	0.87	8.4%	0.85	0.75	0.85	0.92	0.96	0.90
PCB-112	23'356'-PeCB	1.13	3.6%	1.08	1.11	1.08	1.16	1.13	1.19
PCB-108/119/86/97/125/87	233	0.95	4.6%	0.92	0.88	0.94	1.00	0.99	0.95
PCB-117	23'456'-PeCB	1.04	5.1%	1.10	1.09	0.98	1.04	1.06	0.97
PCB-116/85	23'456'-/22'344'-Pe	0.97	7.9%	0.90	0.86	0.97	1.03	1.02	1.05
PCB-110	23'3'4'6'-PeCB	1.02	5.9%	1.01	0.92	1.01	1.07	1.08	1.05
PCB-115	23'44'6'-PeCB	1.16	4.0%	1.17	1.11	1.10	1.19	1.17	1.21

PCB-82	22'33'4'-PeCB	0.69	5.6%	0.65	0.65	0.67	0.72	0.73	0.73
PCB-111	233'55'-PeCB	1.15	5.4%	1.08	1.08	1.13	1.21	1.21	1.22
PCB-120	23'455'-PeCB	1.16	4.9%	1.11	1.08	1.15	1.20	1.21	1.21
PCB-107/124	233'4'5'/2'3455'	1.07	5.5%	1.02	1.00	1.06	1.13	1.12	1.12
PCB-109	233'46'-PeCB	1.14	6.6%	1.11	1.08	1.04	1.23	1.19	1.20
PCB-106	233'45'-PeCB	1.07	6.1%	1.04	0.97	1.08	1.14	1.13	1.07
PCB-122	2'33'45'-PeCB	1.00	4.8%	0.94	0.98	0.96	1.04	1.04	1.05
PCB-127	33'455'-PeCB	1.10	5.0%	1.04	1.04	1.07	1.14	1.17	1.13
PCB-155	22'44'66'-HxCB	1.09	4.7%	1.03	1.06	1.04	1.13	1.15	1.13
PCB-152	22'3566'-HxCB	1.01	5.2%	0.98	0.94	0.98	1.05	1.08	1.05
PCB-150	22'34'66'-HxCB	1.00	8.2%	0.90	0.92	0.98	1.07	1.09	1.07
PCB-136	22'33'66'-HxCB	0.95	5.5%	0.89	0.90	0.92	0.99	1.01	1.00
PCB-145	22'3466'HxCB	0.96	6.9%	0.86	0.91	0.94	1.00	1.03	1.02
PCB-148	22'34'56'-HxCB	0.97	7.6%	0.91	0.88	0.92	1.02	1.05	1.04
PCB-151/135	22'355'6-/22'33'	0.96	5.1%	0.93	0.91	0.92	1.00	1.02	1.00
PCB-154	22'44'5'6'-HxCB	1.09	5.8%	1.03	1.02	1.06	1.14	1.16	1.14
PCB-144	22'345'6'-HxCB	0.98	6.3%	0.94	0.90	0.95	1.03	1.04	1.04
PCB-147/149	22'34'56-/22'34'	0.99	5.9%	0.94	0.91	0.95	1.03	1.05	1.03
PCB-134	22'33'56'-HxCB	0.80	5.7%	0.74	0.83	0.76	0.82	0.86	0.80
PCB-143	22'3456'-HxCB	0.95	9.3%	1.01	0.80	0.90	0.99	1.00	1.03
PCB-139/140	22'344'6-/22'344'	1.00	6.3%	0.94	0.92	0.97	1.05	1.07	1.05
PCB-131	22'33'46'-HxCB	0.85	7.1%	0.77	0.79	0.83	0.89	0.92	0.89
PCB-142	22'3456'-HxCB	0.87	6.1%	0.83	0.81	0.84	0.91	0.93	0.92
PCB-132	22'33'46'-HxCB	0.89	6.5%	0.86	0.80	0.86	0.93	0.95	0.93
PCB-133	22'33'55'-HxCB	0.91	7.2%	0.83	0.87	0.88	0.96	0.99	0.97
PCB-165	233'55'6'-HxCB	1.13	6.0%	1.07	1.06	1.08	1.18	1.21	1.19
PCB-146	22'34'55'-HxCB	1.01	5.9%	1.01	0.92	0.95	1.03	1.06	1.07
PCB-161	233'45'6'-HxCB	1.25	6.3%	1.17	1.18	1.20	1.33	1.35	1.28
PCB-153/168	22'44'55'-/23'44'	1.22	5.7%	1.21	1.13	1.15	1.28	1.30	1.25
PCB-141	22'3455'-HxCB	0.93	5.6%	0.89	0.86	0.89	0.96	0.98	0.98
PCB-130	22'33'45'-HxCB	0.85	5.1%	0.85	0.78	0.81	0.87	0.89	0.88
PCB-137	22'344'5'-HxCB	1.04	5.8%	0.95	1.01	1.05	1.11	1.03	1.10
PCB-164	233'4'5'6'-HxCB	1.22	7.7%	1.19	1.16	1.12	1.23	1.38	1.26
PCB-163/138/129	233'4'56-/22'	1.02	5.4%	0.98	0.96	1.00	1.07	1.10	1.04
PCB-160	233'456'-HxCB	1.21	4.4%	1.20	1.17	1.13	1.24	1.26	1.26
PCB-158	233'44'6'-HxCB	1.34	4.3%	1.29	1.27	1.30	1.38	1.41	1.38
PCB-128/166	22'33'44'-/2344'5	0.90	4.4%	0.86	0.86	0.87	0.93	0.94	0.93
PCB-159	233'455'-HxCB	1.06	5.4%	1.03	0.99	1.02	1.11	1.13	1.11
PCB-162	233'4'55'-HxCB	1.08	5.5%	1.05	0.98	1.05	1.12	1.14	1.12
PCB-188	22'34'566'-HpCB	1.03	6.0%	0.93	0.99	1.02	1.08	1.10	1.07
PCB-179	22'33'566'-HpCB	0.97	4.7%	0.92	0.91	0.94	1.01	1.02	1.00
PCB-184	22'344'66'-HpCB	0.93	5.9%	0.87	0.88	0.90	0.97	1.00	0.97
PCB-176	22'33'466'-HpCB	1.05	5.3%	0.98	0.99	1.04	1.09	1.10	1.09
PCB-186	22'34566'-HpCB	0.98	5.1%	0.93	0.92	0.97	1.02	1.03	1.02
PCB-178	22'33'55'6'-HpCB	0.74	3.9%	0.71	0.70	0.72	0.75	0.77	0.76
PCB-175	22'33'45'6'-HpCB	1.01	7.2%	0.93	0.92	0.99	1.06	1.08	1.07
PCB-187	22'34'55'6'-HpCB	1.06	6.6%	0.97	0.99	1.06	1.12	1.13	1.11

PCB-182	22'344'56'-HpCB	1.11	3.6%	1.07	1.09	1.07	1.14	1.15	1.14	1.15	1.14	1.14
PCB-183	22'344'56'-HpCB	1.13	9.3%	0.99	1.03	0.99	1.19	1.26	1.19	1.26	1.18	1.18
PCB-185	22'3455'6'-HpCB	1.02	3.7%	1.00	1.01	1.00	1.04	1.03	1.04	1.03	1.07	1.07
PCB-174	22'33'456'-HpCB	0.93	3.6%	0.89	0.90	0.89	0.95	0.96	0.95	0.96	0.96	0.96
PCB-177	22'33'456'-HpCB	0.91	5.5%	0.85	0.85	0.85	0.94	0.96	0.94	0.96	0.95	0.95
PCB-181	22'344'56'-HpCB	1.06	3.7%	1.05	1.02	1.05	1.08	1.11	1.08	1.11	1.10	1.10
PCB-171/173	22'33'44'6-/22'3	0.93	4.2%	0.90	0.87	0.90	0.95	0.97	0.95	0.97	0.96	0.96
PCB-172	22'33'455'-HpCB	0.95	3.9%	0.94	0.91	0.94	0.97	1.00	0.97	1.00	0.98	0.98
PCB-192	233'455'6'-HpCB	1.24	4.6%	1.22	1.15	1.22	1.27	1.30	1.27	1.30	1.29	1.29
PCB-180/193	22'344'55'-/233'	1.16	5.1%	1.14	1.06	1.14	1.19	1.22	1.19	1.22	1.20	1.20
PCB-191	233'44'5'6'-HpCB	1.30	4.1%	1.33	1.22	1.33	1.32	1.36	1.32	1.36	1.34	1.34
PCB-170	22'33'44'5'-HpCB	1.07	5.7%	1.03	0.99	1.03	1.12	1.13	1.12	1.13	1.13	1.13
PCB-190	233'44'56'-HpCB	1.45	5.6%	1.36	1.37	1.36	1.49	1.54	1.49	1.54	1.54	1.54
PCB-202	22'33'55'66'-OcCB	0.91	4.7%	0.90	0.85	0.90	0.95	0.96	0.95	0.96	0.94	0.94
PCB-201	22'33'45'66'-OcCB	1.02	4.5%	0.97	0.97	0.97	1.06	1.07	1.06	1.07	1.05	1.05
PCB-204	22'344'566'-OcCB	0.98	4.6%	1.01	0.90	1.01	1.00	1.01	1.00	1.01	0.99	0.99
PCB-197	22'33'44'66'-OcCB	1.06	2.7%	1.06	1.07	1.06	1.06	1.12	1.06	1.12	1.05	1.05
PCB-200	22'33'4566'-OcCB	0.96	8.8%	0.93	0.81	0.93	1.03	1.01	1.03	1.01	1.03	1.03
PCB-198/199	22'33'455'6-/22'	0.72	4.6%	0.71	0.67	0.71	0.74	0.76	0.74	0.76	0.73	0.73
PCB-196	22'33'44'56'-OcCB	0.73	6.5%	0.66	0.69	0.66	0.76	0.79	0.76	0.79	0.76	0.76
PCB-203	22'344'55'6'-OcCB	0.76	5.9%	0.72	0.72	0.72	0.80	0.82	0.80	0.82	0.80	0.80
PCB-195	22'33'44'56'-OcCB	0.80	6.2%	0.78	0.73	0.78	0.84	0.85	0.84	0.85	0.84	0.84
PCB-194	22'33'44'55'-OcCB	0.87	3.4%	0.86	0.84	0.86	0.90	0.91	0.90	0.91	0.89	0.89
PCB-205	233'44'55'6'-OcCB	1.09	4.2%	1.09	1.02	1.09	1.11	1.14	1.11	1.14	1.12	1.12
PCB-208	22'33'455'66'-NoCB	1.02	5.3%	0.97	0.96	0.97	1.06	1.08	1.06	1.08	1.06	1.06
PCB-207	22'33'44'566'-NoCB	1.06	5.4%	1.00	1.00	1.00	1.10	1.12	1.10	1.12	1.10	1.10
PCB-206	22'33'44'55'6'-NoCB	0.98	5.5%	0.95	0.90	0.95	1.01	1.04	1.01	1.04	1.02	1.02

1668A/B ICALS

AX	MM4_PCB_01102012_25JUL12			MM4_PCB_07132012_25JUL12			RSD	Mean	sd	PD from Mean
	RSD	Mean	sd	RSD	Mean	sd				
77				1.11	1.13	1.13	1.2	1.12	0.01	0.9%
81	7.6	1.04	0.08	1.13	1.13	1.13	0.0	1.13	0.00	0.0%
105	9.8	1.09	0.11	1.11	1.09	1.09	0.8	1.10	0.01	-0.6%
114	8.6	0.98	0.08	1.11	1.16	1.16	1.0	1.17	0.01	-0.7%
118	8.5	0.97	0.08	1.18	1.11	1.11	0.4	1.11	0.00	-0.3%
123	7.2	0.98	0.07	1.08	1.19	1.19	6.7	1.13	0.08	4.7%
126	6.4	0.97	0.06	1.07	1.06	1.06	0.3	1.06	0.00	-0.2%
156/157	8.2	0.98	0.08	1.09	1.11	1.11	1.0	1.10	0.01	0.7%
167	4.6	0.97	0.05	1.14	1.14	1.14	0.5	1.14	0.01	-0.4%
169	5.2	0.96	0.05	1.09	1.11	1.11	1.1	1.10	0.01	0.8%
189	4.6	0.93	0.04	1.07	1.06	1.06	0.8	1.06	0.01	-0.6%
1	9.8	0.93	0.09							
3	10.9	1.18	0.13	1.02	1.03	1.03	0.7	1.03	0.01	0.5%
4	9.5	1.18	0.11	0.98	1.04	1.04	4.7	1.01	0.05	3.3%
15	10.4	0.97	0.10	1.11	1.17	1.17	3.6	1.14	0.04	2.5%
19	7.2	0.99	0.07	0.99	1.08	1.08	6.4	1.03	0.07	4.5%
37	5.3	1.04	0.06	1.10	1.09	1.09	0.7	1.10	0.01	-0.5%
54	8.1	1.05	0.08	1.00	1.10	1.10	7.0	1.05	0.07	4.9%
104	9.1	1.02	0.09	1.18	1.21	1.21	1.7	1.19	0.02	1.2%
153	9.0	1.00	0.09	1.11	1.25	1.25	1.1	1.18	0.10	5.9%
155	5.1	1.02	0.05	1.19	1.22	1.22	8.4	1.18	0.10	0.4%
170				1.08	1.09	1.09	0.6	1.09	0.01	
180				1.06	1.07	1.07				
188				1.16	1.08	1.08				
202	6.5	1.06	0.07	1.03	1.03	1.03	0.1	1.03	0.00	0.1%
205	7.6	0.87	0.07	0.93	0.91	0.91	0.8	0.92	0.01	-0.6%
208	5.8	1.02	0.06	1.09	1.09	1.09	1.0	1.08	0.01	0.7%
206	4.5	0.94	0.04	1.02	1.02	1.02	0.1	1.02	0.00	-0.1%
209	7.1	0.98	0.07	0.99	0.98	0.98	1.0	0.99	0.01	-0.7%
	6.4	0.94	0.06	1.07	1.07	1.07	0.2	1.07	0.00	#REF!
ES							#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
1	10.8	0.98	0.11							
3	10.3	0.98	0.10	1.08	1.08	1.08				
4	8.3	0.71	0.06	0.50	0.49	0.49				
15	6.3	1.05	0.07	1.18	1.11	1.11				
19	8.4	0.58	0.05	0.53	0.55	0.55	4.4	1.15	0.05	-3.1%
37	7.8	1.40	0.11	1.64	1.64	1.64	2.7	0.54	0.01	1.9%
54	13.1	1.35	0.18	0.87	0.94	0.94	0.2	1.64	0.00	-0.2%
77	7.9	1.20	0.10	1.26	1.35	1.35	5.7	0.90	0.05	4.0%
81	7.0	1.17	0.08	1.20	1.29	1.29	4.5	1.31	0.06	3.2%
104	12.1	1.48	0.18	1.08	0.99	0.99	5.1	1.24	0.06	3.6%
105	5.1	1.18	0.06	1.22	1.23	1.23	6.2	1.04	0.06	-4.3%
114	4.2	1.23	0.05	1.24	1.25	1.25	1.0	1.23	0.01	0.7%
118	5.2	1.24	0.07	1.28	1.28	1.28	0.2	1.25	0.00	0.1%
123	5.4	1.20	0.06	1.35	1.22	1.22	0.3	1.28	0.00	0.2%
126	8.5	1.29	0.11	1.22	1.22	1.22	7.4	1.29	0.09	-5.2%
153				1.10	1.10	1.10	1.2	1.21	0.01	-0.8%
155	5.0	1.51	0.08	1.41	1.50	1.50				
156/157	15.9	1.15	0.18	1.41	1.45	1.45	4.0	1.45	0.06	2.9%
167	14.1	1.18	0.17	1.43	1.46	1.46	2.4	1.43	0.03	1.7%
169	19.8	1.10	0.22	1.37	1.40	1.40	3.3	1.46	0.05	2.4%
170				1.04	1.00	1.00	1.8	1.39	0.03	1.3%
180				1.28	1.16	1.16				
188	12.9	1.39	0.18	1.12	1.18	1.18	3.5	1.15	0.04	2.5%
189	9.1	1.70	0.15	1.53	1.49	1.49	1.9	1.51	0.03	-1.4%
202	9.7	1.32	0.13	1.07	1.14	1.14	4.6	1.10	0.05	3.2%

PCB-71/40	23/416/22/33-TeCB	0.85	0.87	1.2	0.86	0.01	0.9%
PCB-64	23/46-TeCB	1.21	1.24	1.6	1.22	0.02	1.1%
PCB-72	23/55-TeCB	1.13	1.14	0.7	1.14	0.01	0.5%
PCB-68	23/45-TeCB	1.21	1.21	0.1	1.21	0.00	-0.1%
PCB-57	23/5-TeCB	1.10	1.11	0.1	1.10	0.00	0.0%
PCB-58	23/5-TeCB	1.11	1.10	0.7	1.11	0.01	-0.5%
PCB-67	23/45-TeCB	1.15	1.16	0.7	1.15	0.01	0.5%
PCB-63	23/45-TeCB	1.22	1.22	0.4	1.22	0.01	-0.3%
PCB-61/70/74/76	23/45-/23/45	1.13	1.13	0.1	1.13	0.00	-0.1%
PCB-66	23/44-TeCB	1.08	1.08	0.7	1.07	0.01	0.5%
PCB-55	23/34-TeCB	1.10	1.10	0.6	1.09	0.01	0.4%
PCB-56	23/34-TeCB	1.05	1.06	0.1	1.05	0.00	0.1%
PCB-60	23/44-TeCB	1.11	1.11	0.4	1.11	0.00	-0.2%
PCB-80	33/55-TeCB	1.26	1.25	0.2	1.25	0.00	-0.2%
PCB-79	33/45-TeCB	1.23	1.23	1.4	1.25	0.02	-1.0%
PCB-78	33/45-TeCB	1.08	1.08	0.5	1.08	0.01	-0.4%
PCB-104	22/466-TeCB	1.11	1.25	8.4	1.18	0.10	5.9%
PCB-96	22/366-TeCB	0.88	1.08	6.6	1.03	0.07	4.7%
PCB-103	22/456-TeCB	0.90	0.90	8.1	0.85	0.07	5.7%
PCB-94	22/356-TeCB	0.70	0.78	7.3	0.74	0.05	5.2%
PCB-95	22/356-TeCB	0.75	0.83	7.1	0.79	0.06	5.1%
PCB-100/93	22/446-/22/356-P	0.76	0.84	7.1	0.80	0.06	5.0%
PCB-102	22/456-TeCB	0.82	0.90	6.6	0.86	0.06	4.7%
PCB-98	22/346-TeCB	0.69	0.77	7.8	0.73	0.06	5.5%
PCB-88	22/346-TeCB	0.67	0.79	11.7	0.73	0.09	8.3%
PCB-91	22/346-TeCB	0.84	0.88	3.2	0.86	0.03	2.3%
PCB-84	22/336-TeCB	0.65	0.71	6.7	0.68	0.05	4.7%
PCB-89	22/346-TeCB	0.68	0.76	7.7	0.72	0.06	5.5%
PCB-121	23/456-TeCB	1.02	1.14	8.0	1.08	0.09	5.6%
PCB-92	22/355-TeCB	0.73	0.80	6.4	0.77	0.05	4.5%
PCB-113/90/101	23/356-/22/3	0.85	0.93	6.5	0.89	0.06	4.6%
PCB-83	22/335-TeCB	0.63	0.71	8.3	0.67	0.06	5.9%
PCB-99	22/445-TeCB	0.82	0.87	4.5	0.84	0.04	3.2%
PCB-112	23/356-TeCB	1.01	1.13	7.6	1.07	0.08	5.4%
PCB-108/119/86/97/125/87	233	0.87	0.95	6.5	0.91	0.06	4.6%
PCB-117	23/456-TeCB	0.96	1.04	5.9	1.00	0.06	4.2%
PCB-116/85	23/456-/22/344-Pe	0.87	0.97	8.1	0.92	0.07	5.7%
PCB-110	23/346-TeCB	0.95	1.02	5.4	0.98	0.05	3.8%
PCB-115	23/446-TeCB	1.02	1.16	8.7	1.09	0.09	6.1%
PCB-82	22/334-TeCB	0.63	0.69	6.5	0.66	0.04	4.6%
PCB-111	23/355-TeCB	1.05	1.15	7.0	1.10	0.08	4.9%
PCB-120	23/455-TeCB	1.05	1.16	6.7	1.11	0.07	4.8%
PCB-107/124	23/345-/23/455'	0.99	1.07	6.1	1.03	0.06	4.3%
PCB-109	23/346-TeCB	1.05	1.14	5.7	1.10	0.06	4.0%
PCB-106	23/345-TeCB	0.98	1.07	5.9	1.03	0.06	4.2%
PCB-122	23/345-TeCB	1.01	1.00	0.8	1.01	0.01	-0.6%
PCB-127	33/455-TeCB	1.12	1.10	1.3	1.11	0.01	-0.9%
PCB-155	22/4466-HxCB	1.08	1.09	0.6	1.09	0.01	0.4%
PCB-152	22/3566-HxCB	1.00	1.01	0.7	1.01	0.01	0.5%
PCB-150	22/3466-HxCB	1.03	1.00	2.0	1.02	0.02	-1.4%
PCB-136	22/3366-HxCB	0.95	0.95	0.3	0.95	0.00	0.2%
PCB-145	22/3466-HxCB	0.96	0.96	1.0	0.97	0.01	-0.7%
PCB-148	22/3456-HxCB	0.96	0.97	1.0	0.96	0.01	0.7%
PCB-151/135	22/3556-/22/33'	0.94	0.96	1.8	0.95	0.02	1.3%
PCB-154	22/4456-HxCB	1.05	1.09	2.7	1.07	0.03	1.9%
PCB-144	22/3456-HxCB	0.96	0.98	1.3	0.97	0.01	0.9%
PCB-147/149	22/3456-/22/34'	0.96	0.99	1.6	0.97	0.02	1.1%
PCB-134	22/3356-HxCB	0.78	0.80	1.6	0.79	0.01	1.1%
PCB-143	22/3456-HxCB	0.92	0.95	2.6	0.94	0.02	1.8%
PCB-139/140	22/3446-/22/344'	0.99	1.00	0.9	0.99	0.01	0.6%
PCB-131	22/3346-HxCB	0.84	0.85	1.0	0.84	0.01	0.7%
PCB-142	22/3456-HxCB	0.86	0.87	1.0	0.87	0.01	0.7%
PCB-132	22/3346-HxCB	0.87	0.89	1.4	0.88	0.01	1.0%
PCB-133	22/3355-HxCB	0.92	0.91	0.7	0.92	0.01	-0.5%

PCB-165 233'55'6'-HxCB	1.12	1.13	0.8	1.13	0.01	0.6%
PCB-146 22'34'55'-HxCB	0.99	1.01	1.5	1.00	0.01	1.1%
PCB-161 233'45'6'-HxCB	1.24	1.25	0.5	1.25	0.01	0.4%
PCB-153/168 22'44'55'-/23'44'	1.19	1.22	1.8	1.20	0.02	1.3%
PCB-141 22'34'55'-HxCB	0.92	0.93	0.5	0.92	0.00	0.4%
PCB-130 22'33'45'-HxCB	0.82	0.85	2.0	0.84	0.02	1.4%
PCB-137 22'34'4'-HxCB	1.00	1.04	2.9	1.02	0.03	2.1%
PCB-164 233'4'5'6'-HxCB	1.21	1.22	0.8	1.22	0.01	0.6%
PCB-163/138/129 233'4'56'-/22'	1.01	1.02	1.0	1.02	0.01	0.7%
PCB-160 233'45'6'-HxCB	1.18	1.21	1.7	1.19	0.02	1.2%
PCB-158 233'44'6'-HxCB	1.30	1.34	2.1	1.32	0.03	1.5%
PCB-128/166 22'33'44'-/23'44'5	0.91	0.90	1.1	0.91	0.01	-0.8%
PCB-159 233'45'5'-HxCB	1.07	1.06	0.8	1.07	0.01	-0.5%
PCB-162 233'4'55'-HxCB	1.09	1.08	1.2	1.08	0.01	-0.8%
PCB-188 22'34'56'6'-HxCB	1.03	1.03	0.1	1.03	0.00	0.1%
PCB-179 22'33'56'6'-HxCB	0.95	0.97	1.6	0.96	0.02	1.2%
PCB-184 22'34'4'6'6'-HxCB	0.94	0.93	0.9	0.94	0.01	-0.6%
PCB-176 22'33'46'6'-HxCB	1.05	1.05	0.3	1.05	0.00	-0.2%
PCB-186 22'34'56'6'-HxCB	0.98	0.98	0.1	0.98	0.00	0.1%
PCB-178 22'33'55'6'-HxCB	0.73	0.74	0.2	0.73	0.00	0.2%
PCB-175 22'33'45'6'-HxCB	0.95	1.01	4.2	0.98	0.04	3.0%
PCB-187 22'34'55'6'-HxCB	0.99	1.06	5.1	1.03	0.05	3.6%
PCB-182 22'34'4'5'6'-HxCB	1.02	1.11	6.0	1.07	0.06	4.2%
PCB-183 22'34'4'5'6'-HxCB	1.06	1.13	4.9	1.10	0.05	3.5%
PCB-185 22'34'55'6'-HxCB	0.95	1.02	5.1	0.98	0.05	3.6%
PCB-174 22'33'4'5'6'-HxCB	0.83	0.93	7.8	0.88	0.07	5.5%
PCB-177 22'33'4'5'6'-HxCB	0.85	0.91	4.6	0.88	0.04	3.3%
PCB-181 22'34'4'5'6'-HxCB	0.98	1.06	5.4	1.02	0.06	3.8%
PCB-171/173 22'33'44'6'-/22'3	0.85	0.93	6.1	0.89	0.05	4.3%
PCB-172 22'33'45'5'-HxCB	0.88	0.95	6.0	0.92	0.05	4.2%
PCB-192 233'45'5'6'-HxCB	1.12	1.24	7.1	1.18	0.08	5.0%
PCB-180/193 22'34'4'5'5'-/233'	1.08	1.16	5.1	1.12	0.06	3.6%
PCB-191 233'44'5'6'-HxCB	1.20	1.30	5.9	1.25	0.07	4.2%
PCB-170 22'33'44'5'-HxCB	1.06	1.07	1.1	1.07	0.01	0.8%
PCB-190 233'44'5'6'-HxCB	1.42	1.45	1.7	1.43	0.02	1.2%
PCB-202 22'33'55'6'6'-O6CB	0.93	0.91	0.8	0.92	0.01	-0.6%
PCB-201 22'33'45'6'6'-O6CB	1.04	1.02	1.2	1.03	0.01	-0.9%
PCB-204 22'34'4'5'6'6'-O6CB	0.99	0.98	1.0	0.98	0.01	-0.7%
PCB-197 22'33'44'6'6'-O6CB	1.03	1.06	2.0	1.05	0.02	1.4%
PCB-200 22'33'45'6'6'-O6CB	1.02	0.96	4.1	0.99	0.04	-2.9%
PCB-198/199 22'33'45'5'6'-/22'	0.74	0.72	2.1	0.73	0.01	-1.5%
PCB-196 22'33'44'5'6'-O6CB	0.77	0.73	3.7	0.75	0.03	-2.6%
PCB-203 22'34'4'5'5'6'-O6CB	0.80	0.76	3.0	0.78	0.02	-2.1%
PCB-195 22'33'44'5'6'-O6CB	0.79	0.80	0.8	0.80	0.01	0.6%
PCB-194 22'33'44'5'5'-O6CB	0.87	0.87	0.4	0.87	0.00	0.2%
PCB-205 233'44'5'5'6'-O6CB	1.07	1.09	1.0	1.08	0.01	0.7%
PCB-208 22'33'45'5'6'6'-NoCB	1.02	1.02	0.1	1.02	0.00	-0.1%
PCB-207 22'33'44'5'6'6'-NoCB	1.07	1.06	0.7	1.06	0.01	-0.5%
PCB-206 22'33'44'5'5'6'-NoCB	0.99	0.98	0.7	0.99	0.01	-0.5%

Analytical Perspectives — Run Log

Project: MM7_PCB_07132012_25JUL12

Instrument: MM7 (AutoSpec-Premier)		MS Experiment: pcb-2012-01		GC Program: pcb90_a					
#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
15	120725X15	Tray1:50	CS0_120725_PCB_XC	0.03	SIL 12-65-6	LKB	094-961	26-Jul-2012	02:56:49
16	120725X16	Tray1:51	CS1_120725_PCB_XB	0.03	SIL 12-65-5	LKB	824-792	26-Jul-2012	03:50:43
17	120725X17	Tray1:52	CS2_120725_PCB_XB	0.03	SIL 12-65-4	LKB	175-178	26-Jul-2012	04:44:38
18	120725X18	Tray1:53	CS3_120725_PCB_XB	0.03	SIL 12-65-3	LKB	426-138	26-Jul-2012	05:38:32
19	120725X19	Tray1:54	CS4_120725_PCB_XB	0.03	SIL 12-65-2	LKB	276-589	26-Jul-2012	06:32:28
20	120725X20	Tray1:55	CS5_120725_PCB_XB	0.03	SIL 12-65-1	LKB	951-239	26-Jul-2012	07:26:23
21	120725X21	Tray1:02	SBS_120725_PCB_XH	0.03	SIL 9-41-1	LKB	476-201	26-Jul-2012	08:33:09
22	120725X22	Tray1:02	SBS_120725_PCB_XI	0.03	SIL 9-41-1	LKB	961-294	26-Jul-2012	09:25:22

REVIEWED
By Laura Boivin at 11:26 am, Jul 28, 2012

PCB QC Summary **SGS Analytical Perspectives** **Printed: 28-Jul-2012 10:10**

Lab ID: CS0_120725_PCB_XC
 Acquired: 26-JUL-2012 02:56
 Datafile: 120725X15

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	30.54	4.40E+05	0.84 Y	1.13	1.12	-1.0%
PCB-81 344'5'-TeCB	30.07	4.09E+05	0.74 Y	1.13	1.09	-3.0%
PCB-105 233'44'-PeCB	33.49	3.57E+05	0.63 Y	1.09	1.07	-2.0%
PCB-114 2344'5'-PeCB	32.96	3.71E+05	0.58 Y	1.16	1.10	-5.3%
PCB-118 23'44'5'-PeCB	32.51	3.93E+05	0.61 Y	1.11	1.13	2.3%
PCB-123 2'344'5'-PeCB	32.23	3.85E+05	0.61 Y	1.19	1.18	-0.6%
PCB-126 33'44'5'-PeCB	36.08	3.40E+05	0.62 Y	1.06	1.04	-1.9%
PCB-156/157 233'44'5'/233'44'5'	38.61	7.14E+05	1.28 Y	1.11	1.09	-2.0%
PCB-167 23'44'55'-HxCB	37.65	3.68E+05	1.22 Y	1.14	1.08	-4.5%
PCB-169 33'44'55'-HxCB	41.31	3.38E+05	1.15 Y	1.11	1.07	-4.1%
PCB-189 233'44'55'-HpCB	43.43	3.13E+05	1.11 Y	1.06	1.03	-2.6%
PCB-209 DeCB	48.38	2.29E+05	1.17 Y	1.07	1.10	2.3%
ES PCB-1	10.64	1.17E+08	3.14 Y	1.08	1.09	0.4%
ES PCB-3	12.70	1.16E+08	3.23 Y	1.08	1.08	-0.7%
ES PCB-4	12.92	5.31E+07	1.59 Y	0.49	0.49	0.6%
ES PCB-15	18.24	1.19E+08	1.59 Y	1.11	1.10	-0.6%
ES PCB-19	15.75	6.04E+07	1.05 Y	0.55	0.56	0.7%
ES PCB-37	24.32	9.54E+07	1.06 Y	1.64	1.63	-0.6%
ES PCB-54	18.49	5.54E+07	0.77 Y	0.94	0.94	0.4%
ES PCB-77	30.52	7.84E+07	0.80 Y	1.35	1.34	-0.9%
ES PCB-81	30.05	7.47E+07	0.79 Y	1.29	1.27	-1.1%
ES PCB-104	23.28	5.31E+07	1.58 Y	0.99	0.98	-1.1%
ES PCB-105	33.46	6.66E+07	1.64 Y	1.23	1.23	-0.1%
ES PCB-114	32.93	6.76E+07	1.62 Y	1.25	1.25	0.2%
ES PCB-118	32.49	6.94E+07	1.61 Y	1.28	1.28	0.2%
ES PCB-123	32.21	6.52E+07	1.58 Y	1.22	1.21	-1.0%
ES PCB-126	36.06	6.53E+07	1.59 Y	1.20	1.21	0.7%
ES PCB-153	34.06	5.07E+07	1.30 Y	1.14	1.14	-0.2%
ES PCB-155	28.13	6.64E+07	1.26 Y	1.50	1.49	-0.2%
ES PCB-156/157	38.59	1.32E+08	1.29 Y	1.45	1.48	1.6%
ES PCB-167	37.63	6.78E+07	1.27 Y	1.49	1.52	1.9%
ES PCB-169	41.29	6.34E+07	1.28 Y	1.40	1.42	1.3%
ES PCB-170	40.80	4.16E+07	1.06 Y	1.00	1.01	0.9%
ES PCB-180	39.76	4.71E+07	1.05 Y	1.16	1.15	-1.1%
ES PCB-188	32.94	5.30E+07	1.07 Y	1.18	1.19	1.0%
ES PCB-189	43.41	6.08E+07	1.04 Y	1.49	1.48	-0.6%
ES PCB-202	37.43	5.12E+07	0.90 Y	1.14	1.15	1.1%
ES PCB-205	45.56	4.94E+07	0.89 Y	1.20	1.20	-0.1%
ES PCB-206	47.01	3.61E+07	0.79 Y	0.87	0.88	1.0%
ES PCB-208	43.02	4.91E+07	0.79 Y	1.19	1.19	0.3%
ES PCB-209	48.36	4.17E+07	1.19 Y	1.00	1.01	1.0%

PCB QC Summary **SGS Analytical Perspectives** **Printed: 28-Jul-2012 10:10**

Lab ID: Cs0_120725_PCB_XC ICAL: MM7_PCB_07132012_25JUL12
 Acquired: 26-JUL-2012 02:56
 Datafile: 120725X15

Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	20.88	1.02E+08	1.06 Y	1.07	1.07	-0.3%
SS PCB-111	30.57	6.61E+07	1.60 Y	1.01	1.01	0.9%
SS PCB-178	35.49	3.27E+07	1.06 Y	0.63	0.62	-1.8%
CS PCB-28	20.88	1.02E+08	1.06 Y	1.76	1.74	-1.0%
CS PCB-111	30.57	6.61E+07	1.60 Y	1.23	1.22	-0.1%
CS PCB-178	35.49	3.27E+07	1.06 Y	0.74	0.73	-0.8%
JS PCB-9	14.74	1.08E+08	1.60 Y	-	-	-
JS PCB-52	22.45	5.87E+07	0.79 Y	-	-	-
JS PCB-101	28.30	5.40E+07	1.59 Y	-	-	-
JS PCB-138	35.10	4.45E+07	1.27 Y	-	-	-
JS PCB-194	45.16	4.11E+07	0.91 Y	-	-	-
PCB-1 2-MoCB	10.65	5.46E+05	3.25 Y	1.03	0.93	-9.9%
PCB-3 4-MoCB	12.71	5.56E+05	2.99 Y	1.04	0.95	-8.5%
PCB-4 22'-DiCB	12.93	2.97E+05	0.00 S	1.17	1.12	-4.4%
PCB-15 44'-DiCB	18.25	6.16E+05	1.51 Y	1.08	1.03	-4.6%
PCB-19 22'6'-TrCB	15.77	3.20E+05	1.01 Y	1.09	1.06	-3.2%
PCB-37 344'-TrCB	24.34	5.24E+05	1.03 Y	1.10	1.10	-0.5%
PCB-54 22'66'-TeCB	18.50	3.13E+05	0.83 Y	1.21	1.13	-6.5%
PCB-104 22'466'-PeCB	23.30	3.32E+05	0.63 Y	1.25	1.25	-0.4%
PCB-153 22'44'55'-HxCB	34.11	6.14E+05	1.27 Y	1.22	1.21	-0.6%
PCB-155 22'44'66'-HxCB	28.15	3.43E+05	1.29 Y	1.09	1.03	-5.4%
PCB-170 22'33'44'5'-HpCB	40.82	2.15E+05	0.99 Y	1.07	1.03	-3.7%
PCB-180 22'344'55'-HpCB	39.75	5.38E+05	1.02 Y	1.16	1.14	-1.4%
PCB-188 22'34'566'-HpCB	32.96	2.48E+05	1.05 Y	1.03	0.93	-9.6%
PCB-202 22'33'55'66'-OcCB	37.45	2.31E+05	0.91 Y	0.91	0.90	-1.2%
PCB-205 233'44'55'6'-OcCB	45.58	2.69E+05	0.88 Y	1.09	1.09	0.2%
PCB-208 22'33'455'66'-NoCB	43.04	2.38E+05	0.77 Y	1.02	0.97	-4.5%
PCB-206 22'33'44'55'6'-NoCB	47.03	1.71E+05	0.79 Y	0.98	0.95	-2.9%

PCB QC Summary - Ax2 Detail

Lab ID: CS0_120725_PCB_XC
 Acquired: 26-JUL-2012 02:56
 Datafile: 120725X15

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.65	5.46E+05	3.25 Y	1.03	0.93	-9.9%
PCB-2 3-MoCB	12.54	5.48E+05	3.16 Y	1.04	0.94	-9.6%
PCB-3 4-MoCB	12.71	5.56E+05	2.99 Y	1.04	0.95	-8.5%
PCB-4 22'-DiCB	12.93	2.97E+05	0.00 S	1.17	1.12	-4.4%
PCB-10 26-DiCB	13.10	4.83E+05	0.00 S	1.83	1.82	-0.9%
PCB-9 25-DiCB	14.76	4.85E+05	1.49 Y	0.89	0.81	-9.3%
PCB-7 24-DiCB	14.91	5.52E+05	1.64 Y	1.02	0.92	-9.8%
PCB-6 23'-DiCB	15.12	5.14E+05	1.60 Y	0.95	0.86	-9.3%
PCB-5 23-DiCB	15.40	5.58E+05	1.39 Y	0.97	0.93	-3.9%
PCB-8 24'-DiCB	15.51	5.26E+05	1.64 Y	0.98	0.88	-10.3%
PCB-14 35-DiCB	16.98	6.40E+05	1.64 Y	1.16	1.07	-7.4%
PCB-11 33'-DiCB	17.71	5.23E+05	1.67 Y	1.00	0.88	-12.3%
PCB-13/12 34'-/34-DiCB	17.98	1.14E+06	1.52 Y	1.02	0.96	-5.9%
PCB-15 44'-DiCB	18.25	6.16E+05	1.51 Y	1.08	1.03	-4.6%
PCB-19 22'6-TrCB	15.77	3.20E+05	1.01 Y	1.09	1.06	-3.2%
PCB-30/18 246-/22'5-TrCB	17.43	8.15E+05	1.05 Y	1.46	1.35	-7.5%
PCB-17 22'4-TrCB	17.81	3.45E+05	1.13 Y	1.25	1.14	-8.8%
PCB-27 23'6-TrCB	17.99	4.96E+05	1.12 Y	1.69	1.64	-2.9%
PCB-24 236-TrCB	18.12	4.67E+05	1.08 Y	1.63	1.55	-5.5%
PCB-16 22'3-TrCB	18.20	2.70E+05	1.04 Y	0.95	0.90	-6.2%
PCB-32 24'6-TrCB	18.66	5.12E+05	1.06 Y	1.79	1.70	-5.1%
PCB-34 2'35-TrCB	19.77	4.82E+05	0.93 Y	1.05	1.01	-3.6%
PCB-23 235-TrCB	19.91	4.78E+05	1.09 Y	1.06	1.00	-5.3%
PCB-26/29 23'5-/24'5-TrCB	20.19	9.87E+05	1.01 Y	1.09	1.03	-4.8%
PCB-25 23'4-TrCB	20.37	4.91E+05	0.98 Y	1.07	1.03	-4.2%
PCB-31 24'5-TrCB	20.64	4.99E+05	1.05 Y	1.11	1.05	-5.9%
PCB-28/20 244'-/233'-TrCB	20.91	9.80E+05	1.07 Y	1.07	1.03	-3.9%
PCB-21/33 234-/2'34-TrCB	21.08	1.01E+06	1.02 Y	1.09	1.06	-2.8%
PCB-22 234'-TrCB	21.44	4.65E+05	1.01 Y	1.02	0.97	-4.1%
PCB-36 33'5-TrCB	22.80	5.20E+05	1.00 Y	1.13	1.09	-3.4%
PCB-39 34'5-TrCB	23.10	5.24E+05	0.96 Y	1.17	1.10	-5.7%
PCB-38 345-TrCB	23.60	4.75E+05	1.06 Y	1.03	1.00	-3.6%
PCB-35 334-TrCB	23.99	4.90E+05	1.02 Y	1.04	1.03	-1.2%
PCB-37 344'-TrCB	24.34	5.24E+05	1.03 Y	1.10	1.10	-0.5%
PCB-54 22'66'-TeCB	18.50	3.13E+05	0.83 Y	1.21	1.13	-6.5%
PCB-50/53 22'46-/22'56'-TeCB	20.42	5.97E+05	0.79 Y	0.86	0.80	-6.7%
PCB-45 22'36'-TeCB	20.97	2.41E+05	0.77 Y	0.73	0.64	-11.8%
PCB-51 22'46'-TeCB	21.04	3.24E+05	0.81 Y	0.88	0.87	-1.5%
PCB-46 22'36'-TeCB	21.24	2.40E+05	0.80 Y	0.70	0.64	-7.5%
PCB-52 22'55'-TeCB	22.47	3.04E+05	0.85 Y	0.84	0.81	-3.6%
PCB-73 23'56'-TeCB	22.60	3.96E+05	0.76 Y	1.09	1.06	-2.8%
PCB-43 22'35'-TeCB	22.68	2.53E+05	0.83 Y	0.72	0.68	-6.3%
PCB-69/49 23'46-/22'45'-TeCB	22.88	7.07E+05	0.83 Y	1.01	0.95	-6.6%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:10

Lab ID: CS0_120725_PCB_XC
 Acquired: 26-JUL-2012 02:56
 Datafile: 120725X15

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
Pcb-48 22'45'-TeCB	23.14	3.06E+05	0.80 Y	0.85	0.82	-3.9%
Pcb-44/47/65 22'35'-/22'44'-	23.36	9.57E+05	0.78 Y	0.89	0.85	-4.1%
Pcb-59/62/75 23'36'-/23'46'-/24	23.62	1.21E+06	0.81 Y	1.14	1.08	-5.2%
Pcb-42 22'34'-TeCB	23.78	2.63E+05	0.83 Y	0.77	0.70	-8.9%
Pcb-41 22'34'-TeCB	24.10	2.78E+05	0.78 Y	0.73	0.75	2.5%
Pcb-71/40 23'46'/22'33'-TeCB	24.19	6.22E+05	0.79 Y	0.87	0.83	-3.9%
Pcb-64 23'46'-TeCB	24.39	4.50E+05	0.75 Y	1.24	1.20	-2.6%
Pcb-72 23'55'-TeCB	25.11	4.01E+05	0.79 Y	1.14	1.07	-6.1%
Pcb-68 23'45'-TeCB	25.36	4.27E+05	0.85 Y	1.21	1.14	-5.6%
Pcb-57 23'35'-TeCB	25.72	4.00E+05	0.81 Y	1.11	1.07	-3.3%
Pcb-58 23'35'-TeCB	25.92	3.76E+05	0.80 Y	1.10	1.01	-8.5%
Pcb-67 23'45'-TeCB	26.07	4.09E+05	0.83 Y	1.16	1.09	-5.8%
Pcb-63 23'45'-TeCB	26.29	4.21E+05	0.75 Y	1.22	1.13	-7.4%
Pcb-61/70/74/76 23'45'-/23'4'5	26.57	1.57E+06	0.78 Y	1.13	1.05	-7.2%
Pcb-66 23'44'-TeCB	26.85	3.86E+05	0.83 Y	1.08	1.03	-4.0%
Pcb-55 23'34'-TeCB	26.98	3.82E+05	0.78 Y	1.10	1.02	-6.9%
Pcb-56 23'34'-TeCB	27.41	3.76E+05	0.83 Y	1.06	1.01	-4.7%
Pcb-60 23'44'-TeCB	27.59	3.95E+05	0.80 Y	1.11	1.06	-4.8%
Pcb-80 33'55'-TeCB	27.95	4.34E+05	0.85 Y	1.25	1.16	-7.4%
Pcb-79 33'45'-TeCB	29.23	4.30E+05	0.80 Y	1.23	1.15	-6.7%
Pcb-78 33'45'-TeCB	29.70	3.97E+05	0.74 Y	1.08	1.06	-1.6%
Pcb-104 22'466'-PeCB	23.30	3.32E+05	0.63 Y	1.25	1.25	-0.4%
Pcb-96 22'366'-PeCB	23.60	2.76E+05	0.65 Y	1.08	1.04	-3.4%
Pcb-103 22'45'6'-PeCB	25.27	2.84E+05	0.58 Y	0.90	0.87	-3.3%
Pcb-94 22'356'-PeCB	25.45	2.38E+05	0.55 Y	0.78	0.73	-5.8%
Pcb-95 22'35'6'-PeCB	25.82	2.51E+05	0.67 Y	0.83	0.77	-6.9%
Pcb-100/93 22'44'6'-/22'356'-P	26.03	5.21E+05	0.62 Y	0.84	0.80	-5.2%
Pcb-102 22'456'-PeCB	26.14	3.18E+05	0.57 Y	0.90	0.98	8.5%
Pcb-98 22'3'46'-PeCB	26.21	1.93E+05	0.61 Y	0.77	0.59	-23.2%
Pcb-88 22'346'-PeCB	26.49	2.74E+05	0.68 Y	0.79	0.84	5.8%
Pcb-84 22'34'6'-PeCB	26.56	2.46E+05	0.57 Y	0.88	0.76	-14.0%
Pcb-84 22'33'6'-PeCB	26.74	2.19E+05	0.67 Y	0.71	0.67	-5.3%
Pcb-89 22'346'-PeCB	27.15	2.33E+05	0.58 Y	0.76	0.72	-6.0%
Pcb-121 23'45'6'-PeCB	27.52	3.57E+05	0.61 Y	1.14	1.10	-4.2%
Pcb-92 22'355'-PeCB	27.82	2.46E+05	0.62 Y	0.80	0.75	-5.8%
Pcb-113/90/101 23'35'6'-/22'3	28.30	8.78E+05	0.65 Y	0.93	0.90	-4.0%
Pcb-83 22'335'-PeCB	28.72	2.23E+05	0.62 Y	0.71	0.69	-3.8%
Pcb-99 22'44'5'-PeCB	28.82	2.76E+05	0.55 Y	0.87	0.85	-2.7%
Pcb-112 23'35'6'-PeCB	28.91	3.53E+05	0.62 Y	1.13	1.08	-3.8%
Pcb-108/119/86/97/125/87 233	29.25	1.81E+06	0.65 Y	0.95	0.92	-2.6%
Pcb-117 23'4'56'-PeCB	29.78	3.57E+05	0.60 Y	1.04	1.10	5.4%
Pcb-116/85 23'456'-/22'344'-Pe	29.85	5.87E+05	0.60 Y	0.97	0.90	-7.4%
Pcb-110 23'3'4'6'-PeCB	29.97	3.28E+05	0.61 Y	1.02	1.01	-1.4%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:10

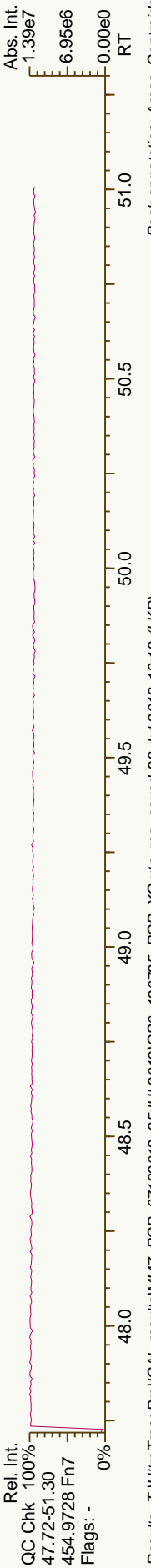
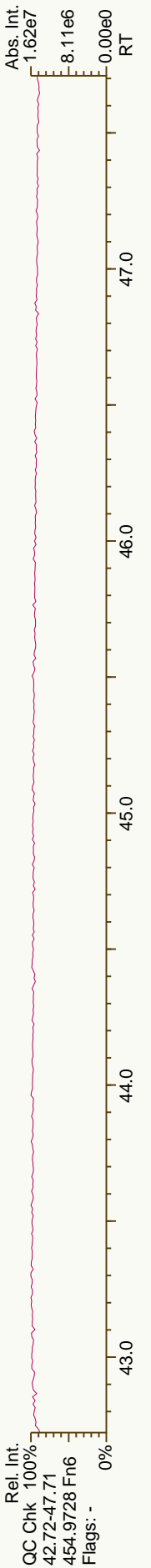
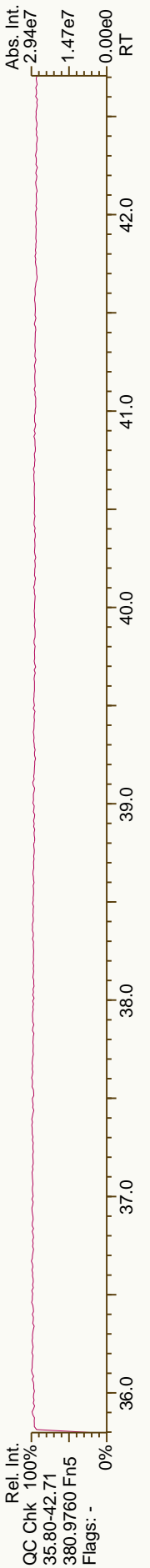
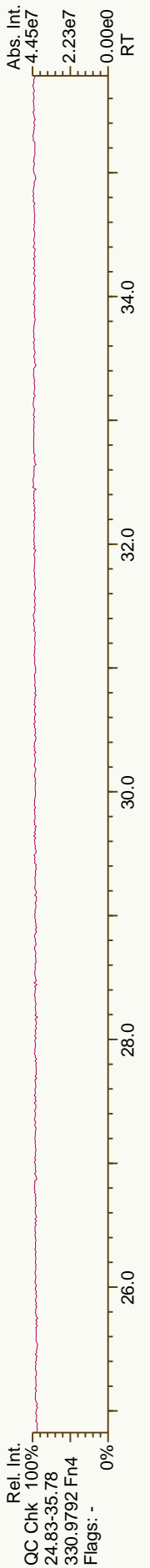
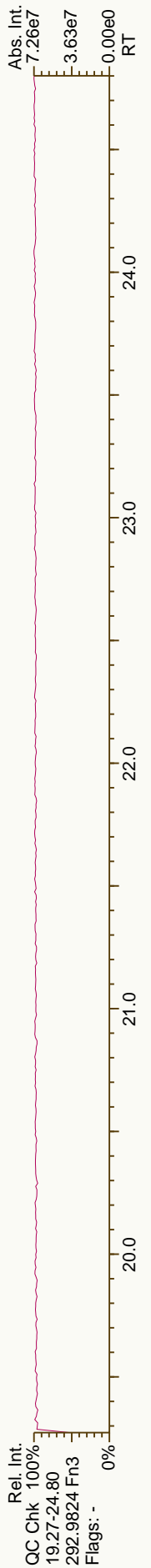
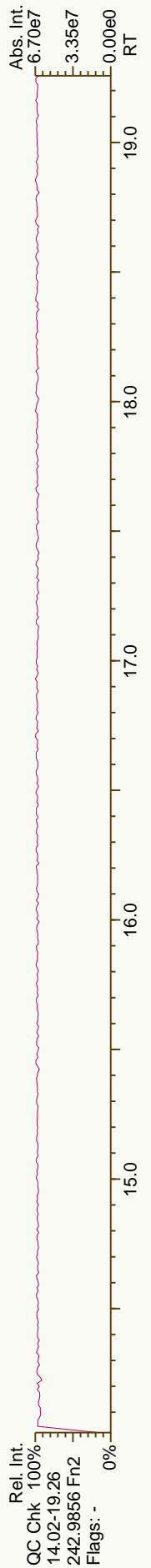
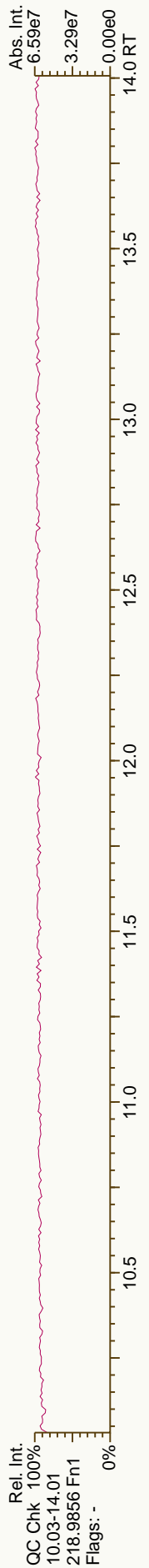
Lab ID: CS0_120725_PCB_XC
 Acquired: 26-JUL-2012 02:56
 Datafile: 120725X15

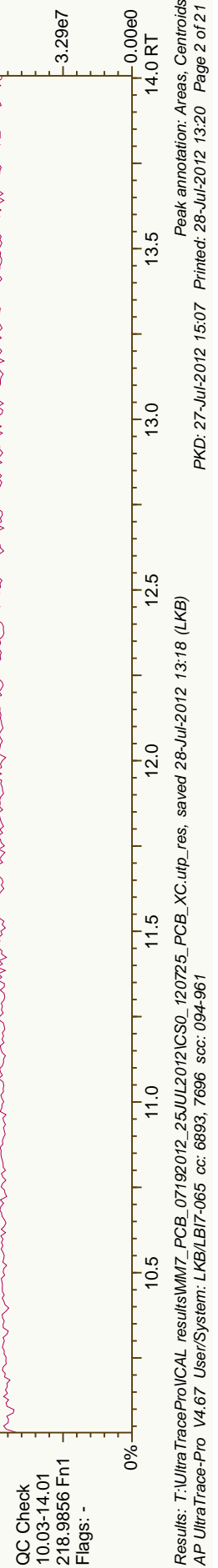
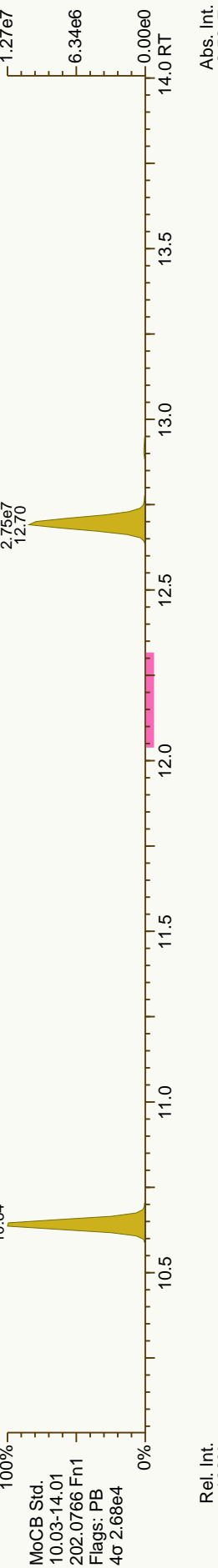
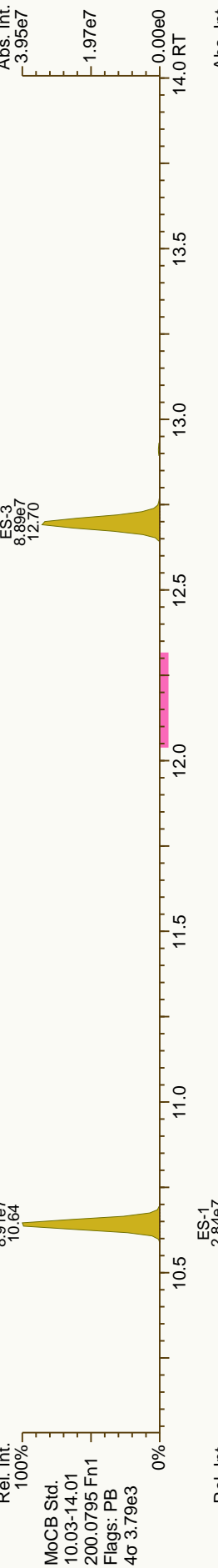
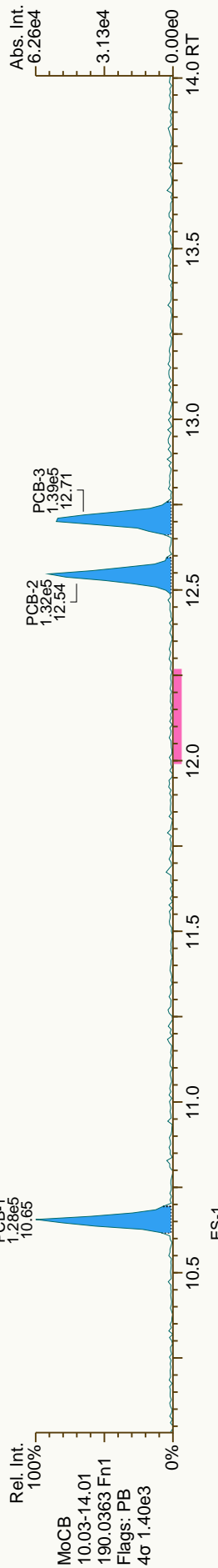
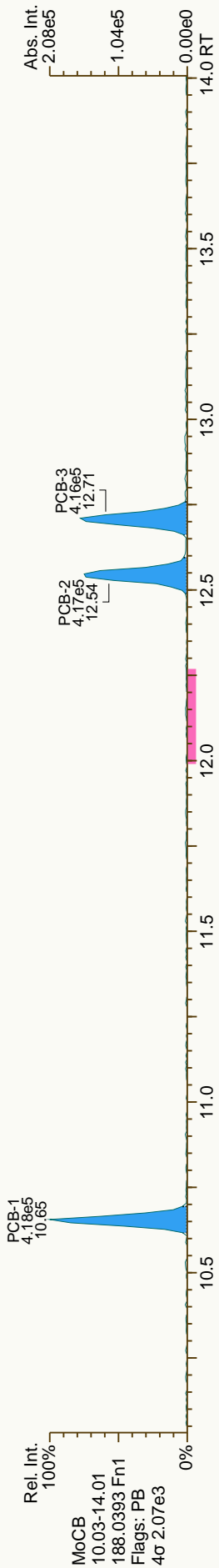
ICAL: MM7_PCB_07132012_25JUL12

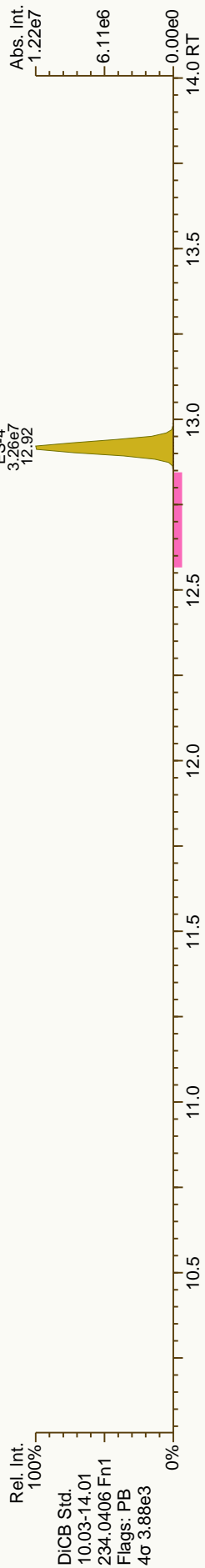
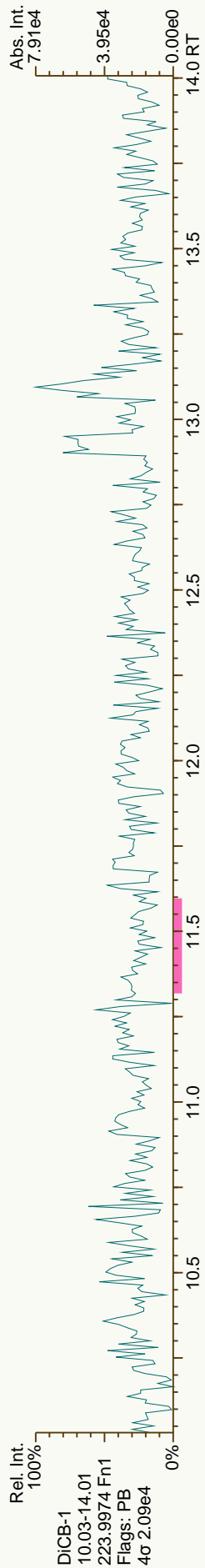
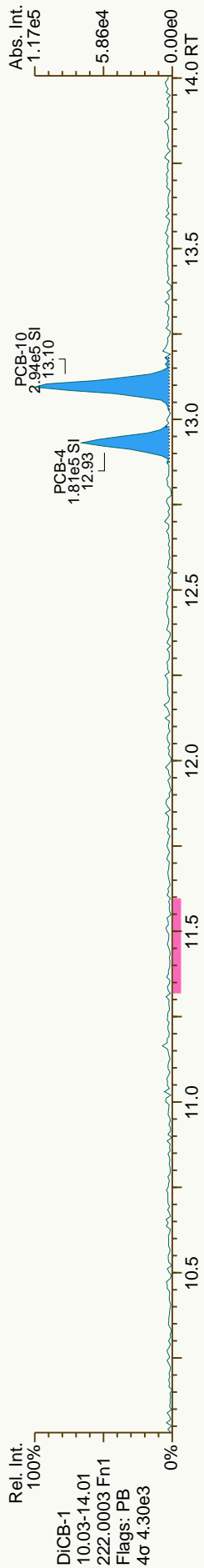
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6'-PeCB	30.06	3.81E+05	0.58 Y	1.16	1.17	1.0%
PCB-82 22'33'4-PeCB	30.24	2.13E+05	0.58 Y	0.69	0.65	-5.3%
PCB-111 233'55'-PeCB	30.59	3.53E+05	0.61 Y	1.15	1.08	-6.1%
PCB-120 23'455'-PeCB	30.98	3.61E+05	0.65 Y	1.16	1.11	-4.5%
PCB-107/124 233'4'5'-/2'3455'	31.92	6.64E+05	0.62 Y	1.07	1.02	-5.2%
PCB-109 233'46'-PeCB	32.13	3.63E+05	0.67 Y	1.14	1.11	-2.5%
PCB-106 233'45'-PeCB	32.34	3.38E+05	0.59 Y	1.07	1.04	-3.2%
PCB-122 2'33'45'-PeCB	32.79	3.17E+05	0.61 Y	1.00	0.94	-6.2%
PCB-127 33'455'-PeCB	34.73	3.47E+05	0.59 Y	1.10	1.04	-5.4%
PCB-155 22'44'66'-HxCB	28.15	3.43E+05	1.29 Y	1.09	1.03	-5.4%
PCB-152 22'3'566'-HxCB	28.29	3.24E+05	1.38 Y	1.01	0.98	-3.5%
PCB-150 22'34'66'-HxCB	28.44	2.98E+05	1.43 Y	1.00	0.90	-10.6%
PCB-136 22'33'66'-HxCB	28.73	2.97E+05	1.28 Y	0.95	0.89	-6.1%
PCB-145 22'3466'HxCB	28.99	2.86E+05	1.34 Y	0.96	0.86	-10.5%
PCB-148 22'34'56'-HxCB	30.28	2.31E+05	1.31 Y	0.97	0.91	-5.9%
PCB-151/135 22'355'6'-/22'33'	30.78	4.71E+05	1.35 Y	0.96	0.93	-3.6%
PCB-154 22'44'5'6'-HxCB	30.99	2.60E+05	1.25 Y	1.09	1.03	-5.8%
PCB-144 22'345'6'-HxCB	31.25	2.39E+05	1.31 Y	0.98	0.94	-4.0%
PCB-147/149 22'34'56'-/22'34'	31.54	4.78E+05	1.23 Y	0.99	0.94	-4.2%
PCB-134 22'33'56'-HxCB	31.70	1.87E+05	1.22 Y	0.80	0.74	-7.6%
PCB-143 22'3456'-HxCB	31.78	2.57E+05	1.25 Y	0.95	1.01	6.1%
PCB-139/140 22'344'6'-/22'344'	32.05	4.78E+05	1.29 Y	1.00	0.94	-5.6%
PCB-131 22'33'46'-HxCB	32.21	1.96E+05	1.27 Y	0.85	0.77	-9.2%
PCB-142 22'3456'-HxCB	32.34	2.10E+05	1.32 Y	0.87	0.83	-5.3%
PCB-132 22'33'46'-HxCB	32.59	2.19E+05	1.39 Y	0.89	0.86	-2.8%
PCB-133 22'33'55'-HxCB	33.02	2.09E+05	1.37 Y	0.91	0.83	-9.7%
PCB-165 233'55'6'-HxCB	33.36	2.71E+05	1.23 Y	1.13	1.07	-5.7%
PCB-146 22'34'55'-HxCB	33.57	2.56E+05	1.31 Y	1.01	1.01	0.4%
PCB-161 233'45'6'-HxCB	33.68	2.98E+05	1.18 Y	1.25	1.17	-6.3%
PCB-153/168 22'44'55'-/23'44'	34.11	6.14E+05	1.27 Y	1.22	1.21	-0.6%
PCB-141 22'3455'-HxCB	34.24	2.25E+05	1.29 Y	0.93	0.89	-4.1%
PCB-130 22'33'45'-HxCB	34.58	2.15E+05	1.27 Y	0.85	0.85	0.0%
PCB-137 22'344'5'-HxCB	34.77	2.40E+05	1.22 Y	1.04	0.95	-9.1%
PCB-164 233'4'5'6'-HxCB	34.86	3.03E+05	1.16 Y	1.22	1.19	-2.4%
PCB-163/138/129 233'4'56'-/22'	35.14	7.45E+05	1.17 Y	1.02	0.98	-4.3%
PCB-160 233'456'-HxCB	35.27	3.03E+05	1.28 Y	1.21	1.20	-1.0%
PCB-158 233'44'6'-HxCB	35.46	3.27E+05	1.31 Y	1.34	1.29	-3.4%
PCB-128/166 22'33'44'-/2344'5	36.17	5.81E+05	1.25 Y	0.90	0.86	-4.6%
PCB-159 233'455'-HxCB	37.01	3.50E+05	1.21 Y	1.06	1.03	-2.8%
PCB-162 233'4'55'-HxCB	37.25	3.55E+05	1.25 Y	1.08	1.05	-2.6%
PCB-188 22'34'566'-HpCB	32.96	2.48E+05	1.05 Y	1.03	0.93	-9.6%
PCB-179 22'33'566'-HpCB	33.22	2.45E+05	1.04 Y	0.97	0.92	-4.5%
PCB-184 22'344'66'-HpCB	33.69	2.30E+05	0.99 Y	0.93	0.87	-6.9%

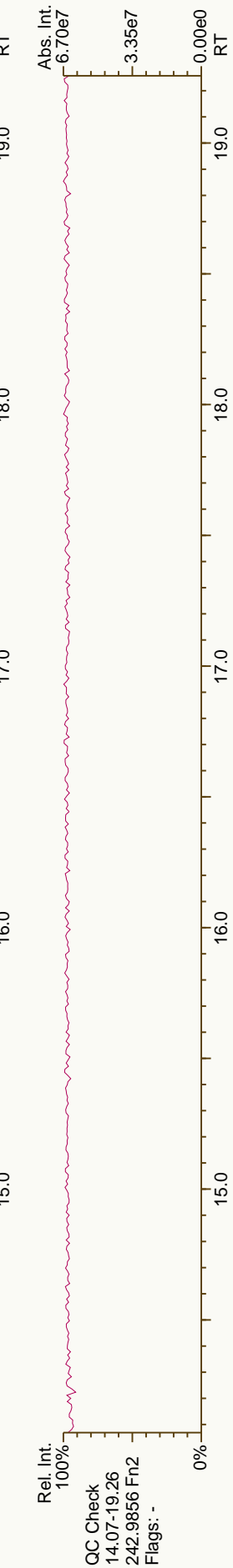
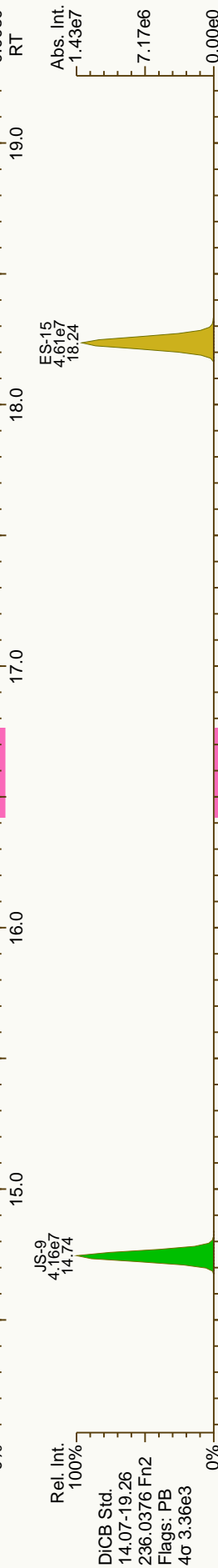
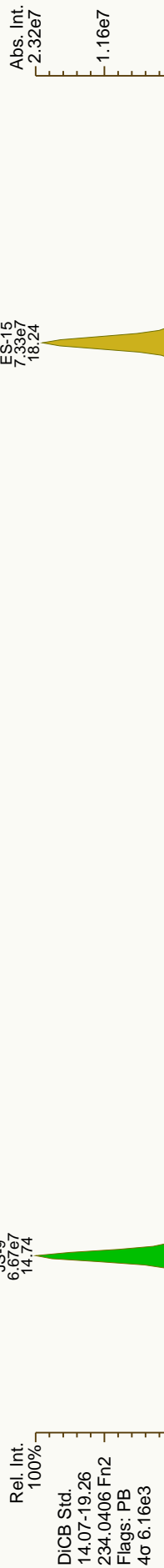
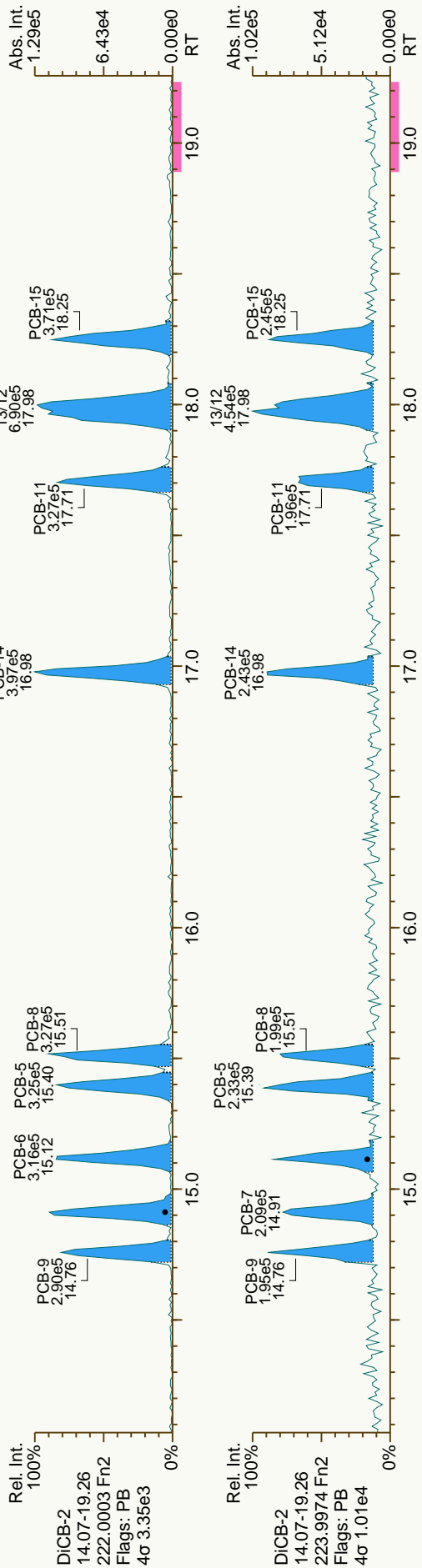
PCB QC Summary - Ax2 Detail

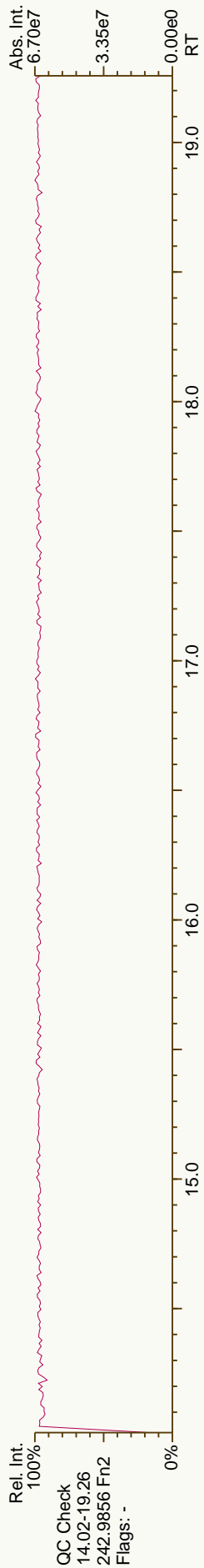
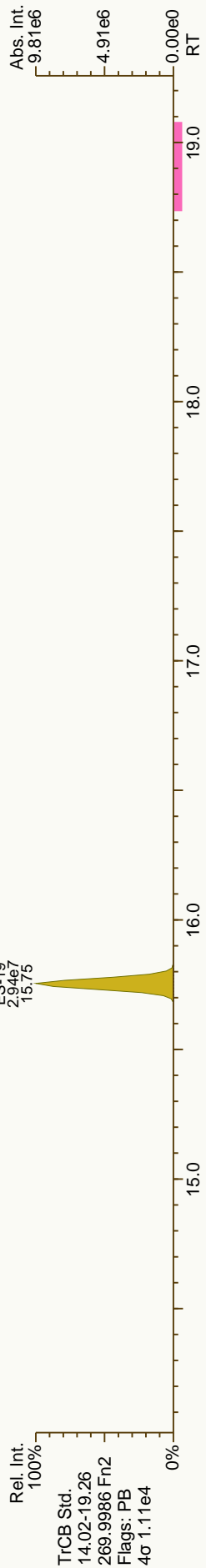
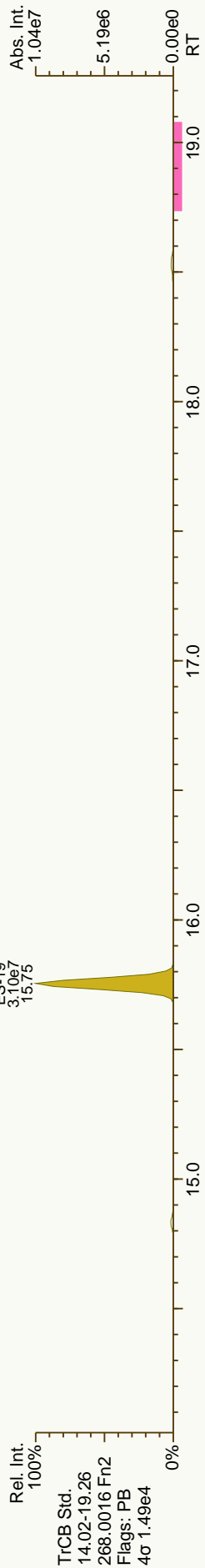
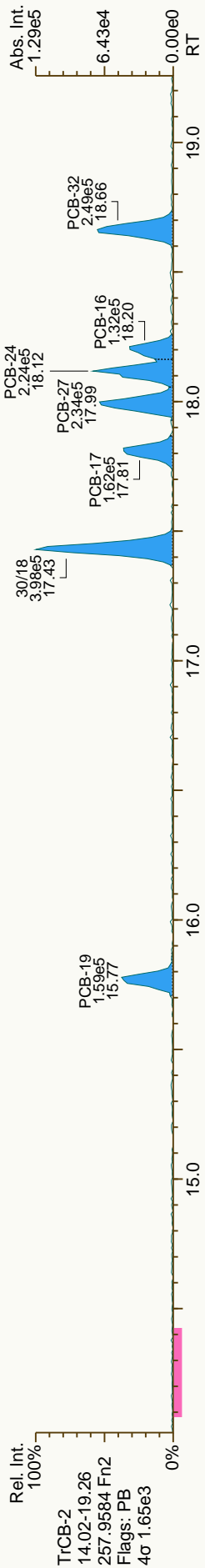
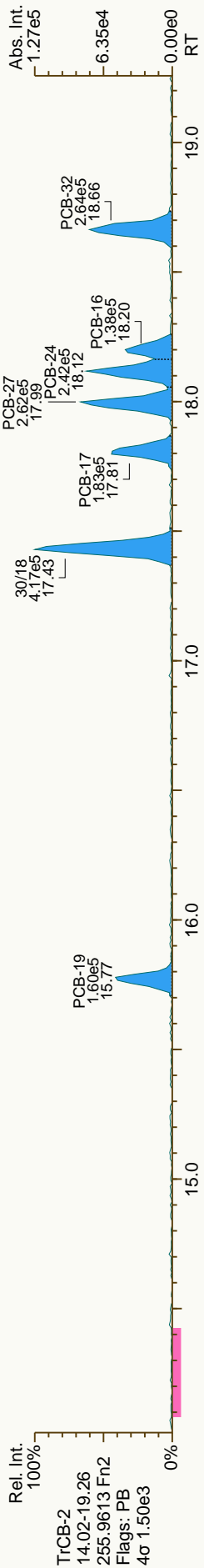
Lab ID:	CS0_120725_PCB_XC	ICAL: MM7_PCB_07132012_25JUL12				
Acquired:	26-JUL-2012 02:56					
Datafile:	120725X15					
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-176 22'33'466'-HpCB	33.97	2.59E+05	1.07 Y	1.05	0.98	-6.9%
PCB-186 22'34'566'-HpCB	34.35	2.47E+05	1.17 Y	0.98	0.93	-5.0%
PCB-178 22'33'556'-HpCB	35.51	1.89E+05	0.96 Y	0.74	0.71	-3.1%
PCB-175 22'33'456'-HpCB	36.05	2.19E+05	0.93 Y	1.01	0.93	-7.9%
PCB-187 22'34'556'-HpCB	36.27	2.28E+05	1.11 Y	1.06	0.97	-9.0%
PCB-182 22'344'56'-HpCB	36.45	2.51E+05	0.94 Y	1.11	1.07	-4.0%
PCB-183 22'344'56'-HpCB	36.79	2.32E+05	0.93 Y	1.13	0.99	-12.9%
PCB-185 22'34556'-HpCB	36.86	2.34E+05	1.12 Y	1.02	1.00	-2.3%
PCB-174 22'33'456'-HpCB	36.97	2.09E+05	1.22 N	0.93	0.89	-4.2%
PCB-177 22'33'456'-HpCB	37.34	2.01E+05	1.01 Y	0.91	0.85	-5.9%
PCB-181 22'344'56'-HpCB	37.68	2.47E+05	1.02 Y	1.06	1.05	-1.1%
PCB-171/173 22'33'446'-/22'3	37.86	4.26E+05	1.10 Y	0.93	0.90	-2.5%
PCB-172 22'33'455'-HpCB	39.23	2.22E+05	1.00 Y	0.95	0.94	-1.3%
PCB-192 233'4556'-HpCB	39.47	2.87E+05	1.06 Y	1.24	1.22	-1.7%
PCB-180/193 22'344'55'-/233'	39.75	5.38E+05	1.02 Y	1.16	1.14	-1.4%
PCB-191 233'44'56'-HpCB	40.07	3.12E+05	0.97 Y	1.30	1.33	1.7%
PCB-170 22'33'445'-HpCB	40.82	2.15E+05	0.99 Y	1.07	1.03	-3.7%
PCB-190 233'44'56'-HpCB	41.27	2.83E+05	1.05 Y	1.45	1.36	-6.2%
PCB-202 22'33'5566'-OcCB	37.45	2.31E+05	0.91 Y	0.91	0.90	-1.2%
PCB-201 22'33'4566'-OcCB	38.23	2.49E+05	0.94 Y	1.02	0.97	-4.5%
PCB-204 22'344'566'-OcCB	38.80	2.58E+05	0.91 Y	0.98	1.01	3.2%
PCB-197 22'33'4466'-OcCB	38.99	2.71E+05	0.76 Y	1.06	1.06	-0.5%
PCB-200 22'33'4566'-OcCB	39.07	2.37E+05	0.89 Y	0.96	0.93	-3.4%
PCB-198/199 22'33'4556'-/22'	41.40	3.63E+05	0.93 Y	0.72	0.71	-0.8%
PCB-196 22'33'4456'-OcCB	41.97	1.69E+05	0.95 Y	0.73	0.66	-9.7%
PCB-203 22'344'556'-OcCB	42.13	1.84E+05	0.93 Y	0.76	0.72	-6.0%
PCB-195 22'33'4456'-OcCB	43.23	1.93E+05	1.01 Y	0.80	0.78	-2.2%
PCB-194 22'33'4455'-OcCB	45.18	2.13E+05	1.00 Y	0.87	0.86	-1.6%
PCB-205 233'44'556'-OcCB	45.58	2.69E+05	0.88 Y	1.09	1.09	0.2%
PCB-208 22'33'45566'-NoCB	43.04	2.38E+05	0.77 Y	1.02	0.97	-4.5%
PCB-207 22'33'44566'-NoCB	43.82	2.45E+05	0.80 Y	1.06	1.00	-5.7%
PCB-206 22'33'44556'-NoCB	47.03	1.71E+05	0.79 Y	0.98	0.95	-2.9%

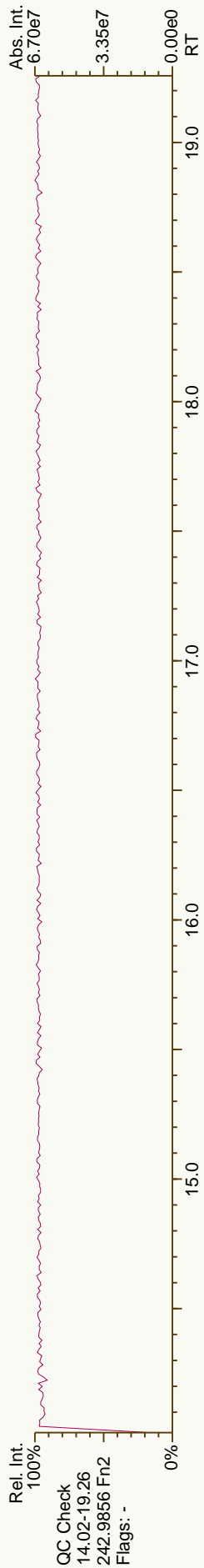
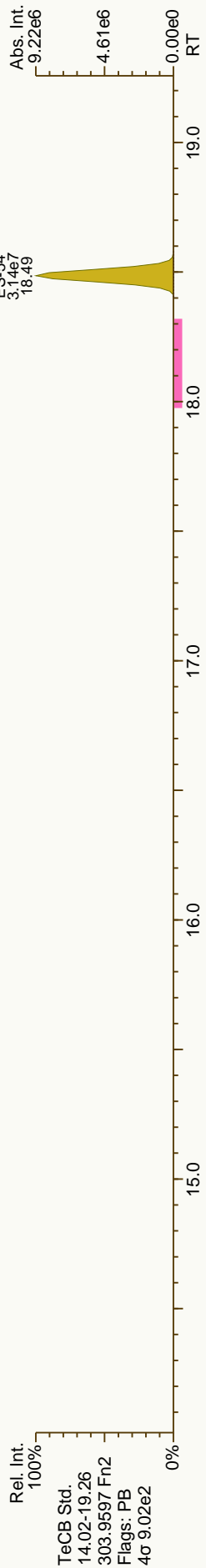
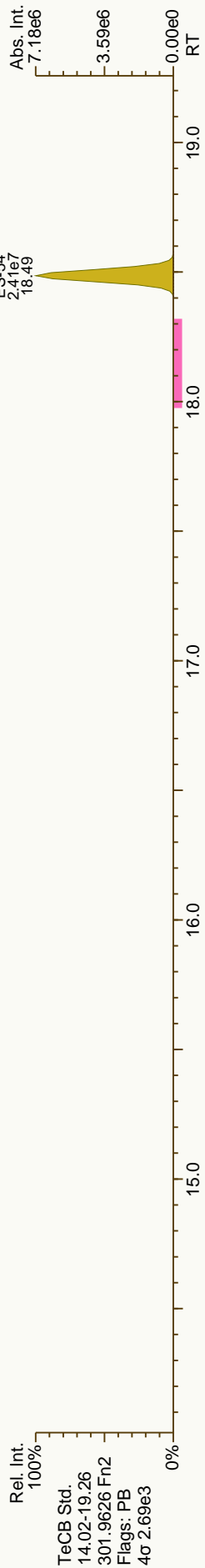
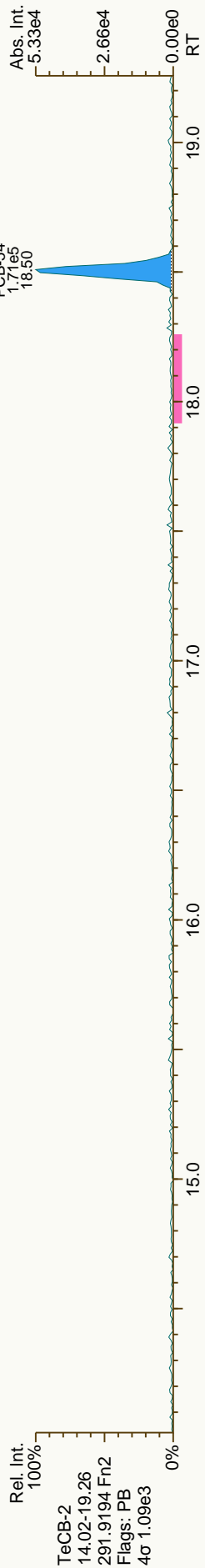
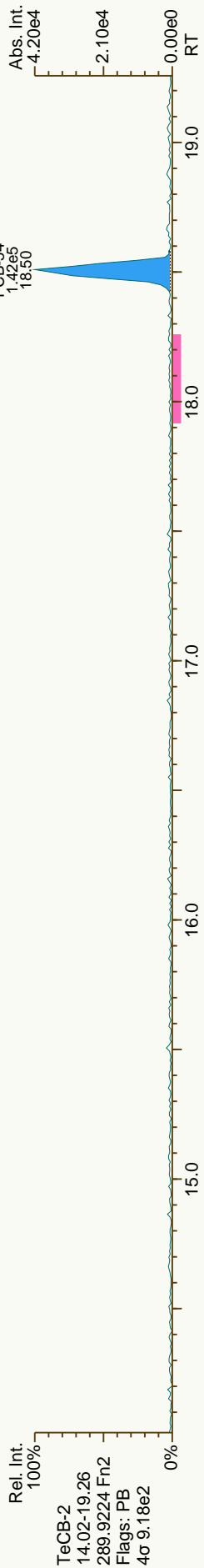


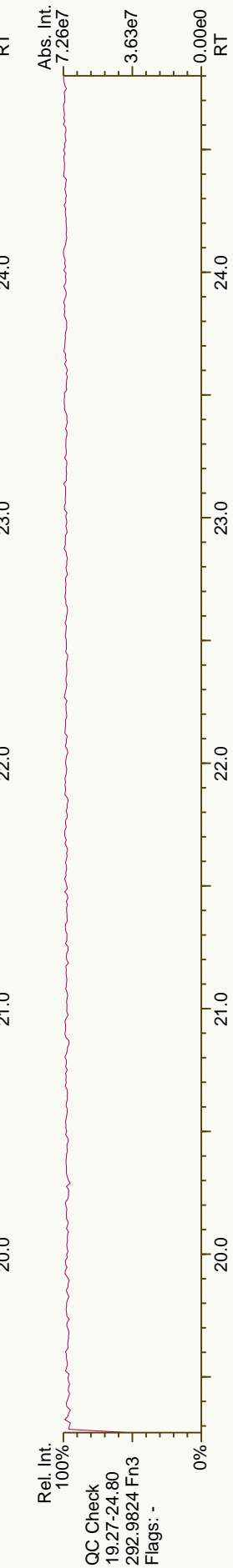
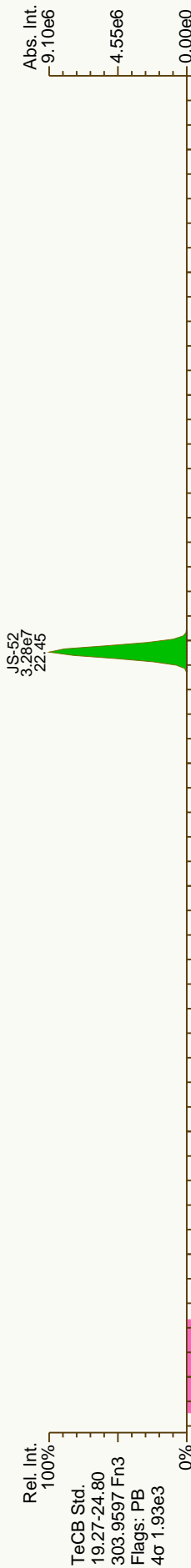
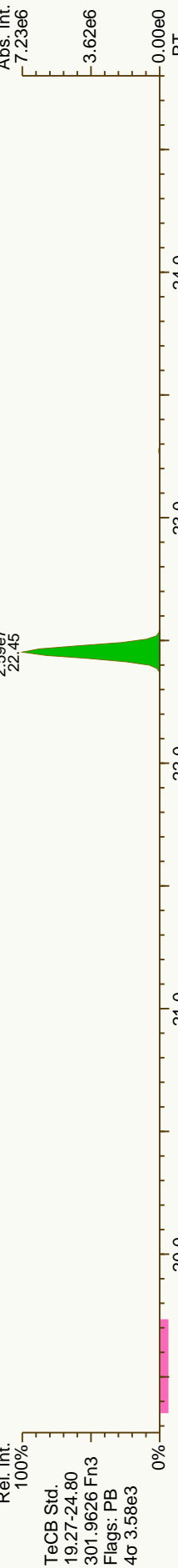
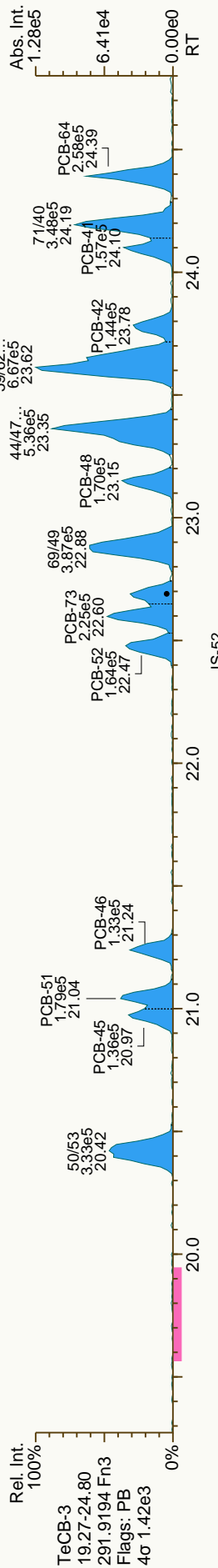
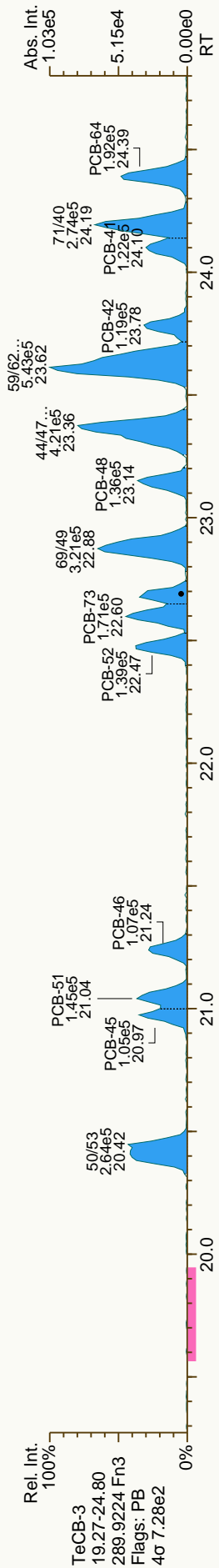


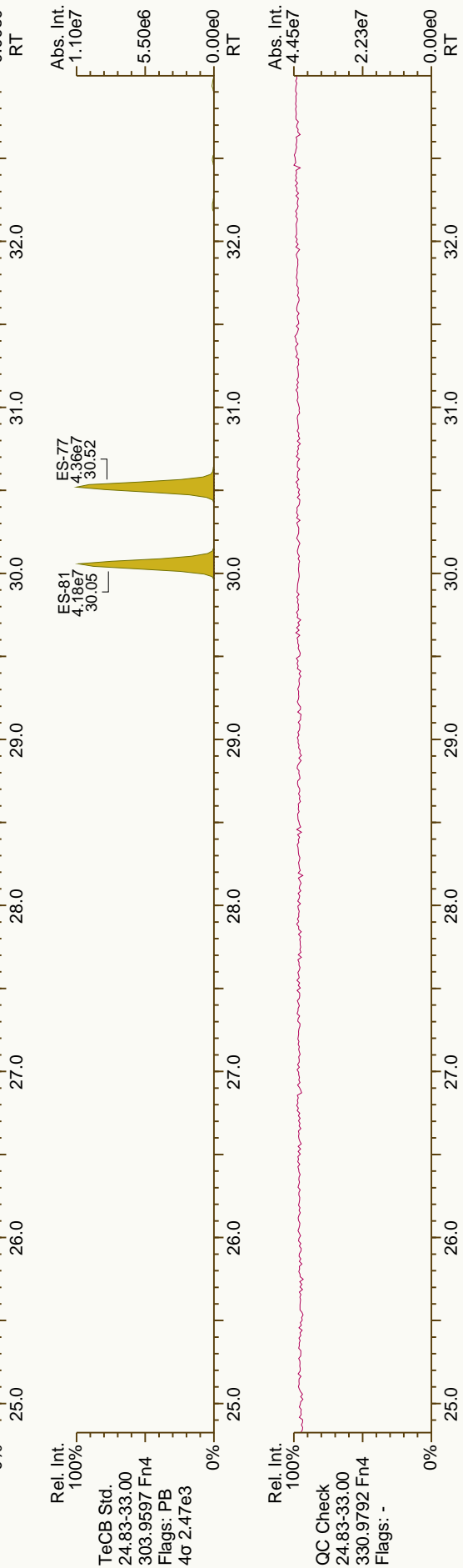
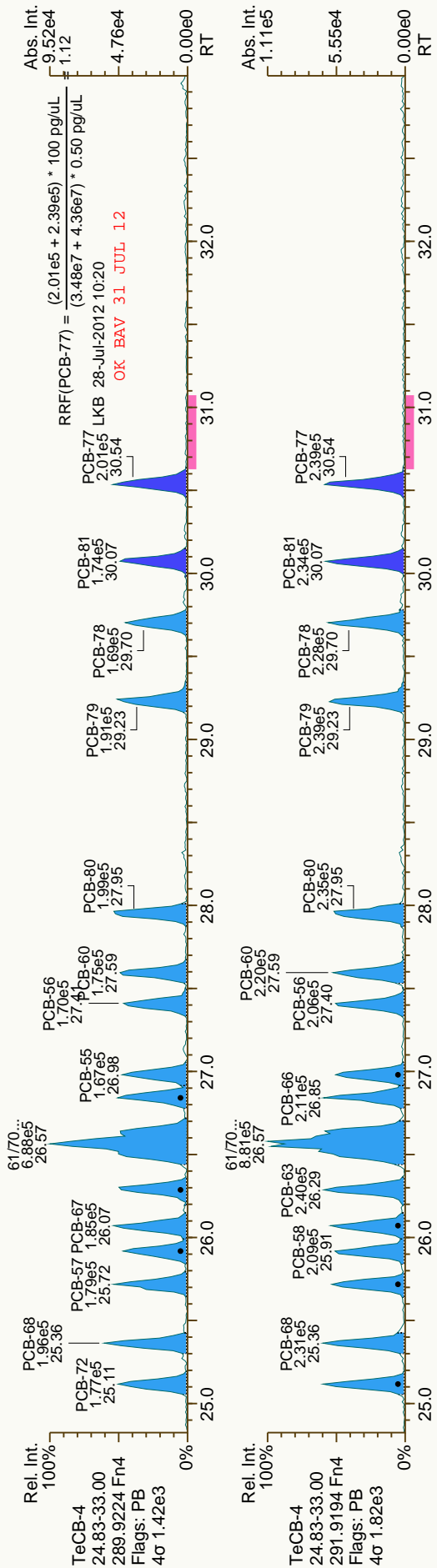


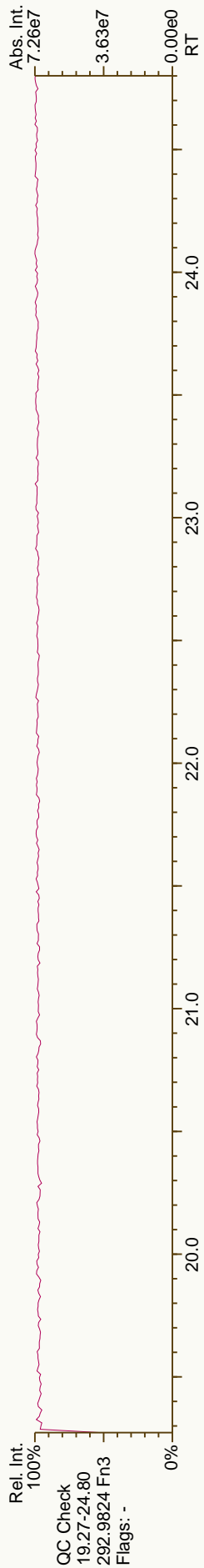
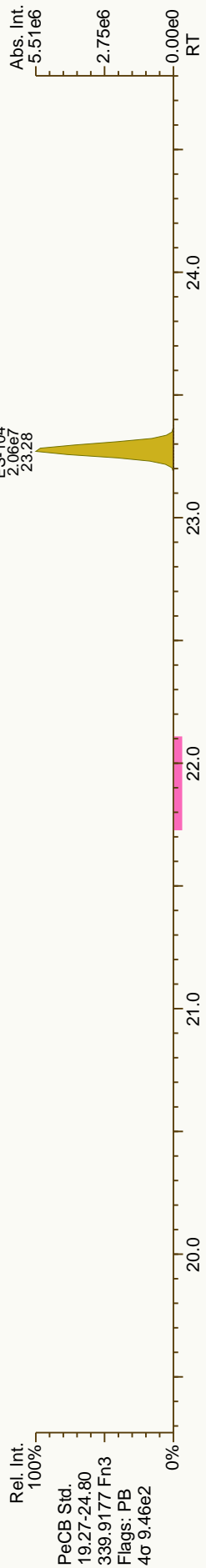
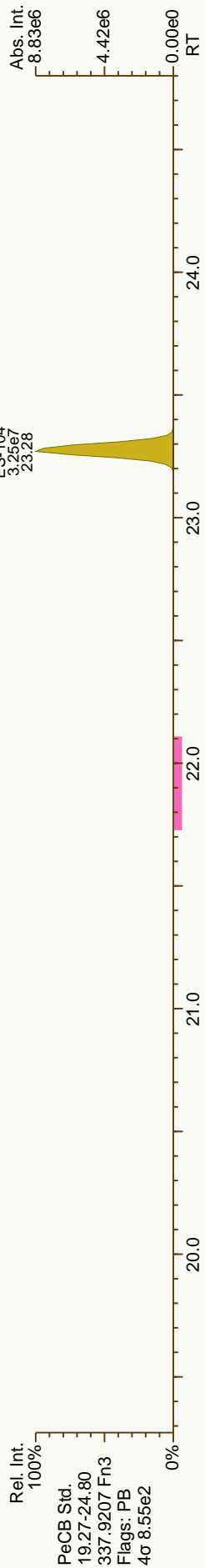
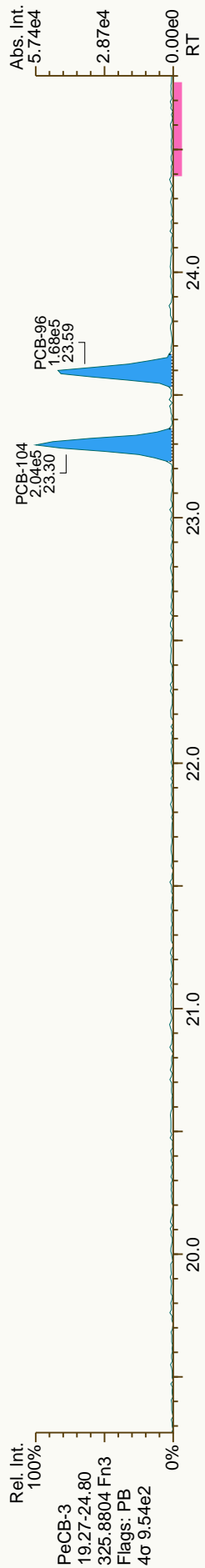
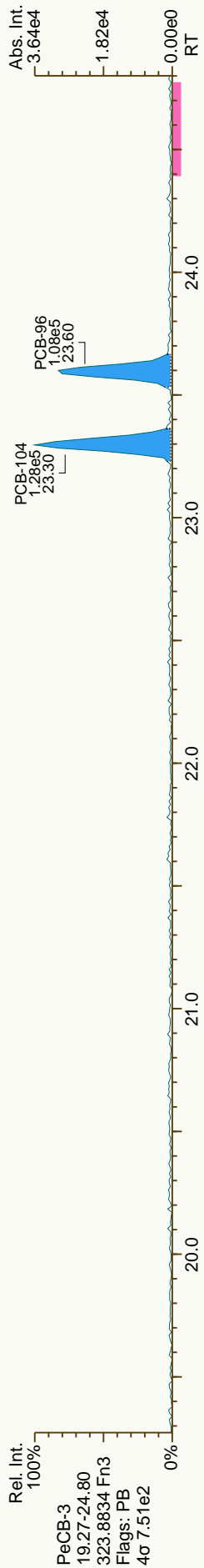


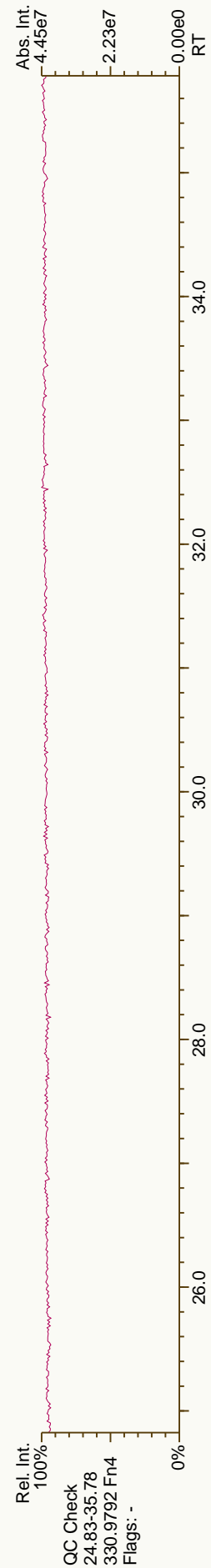
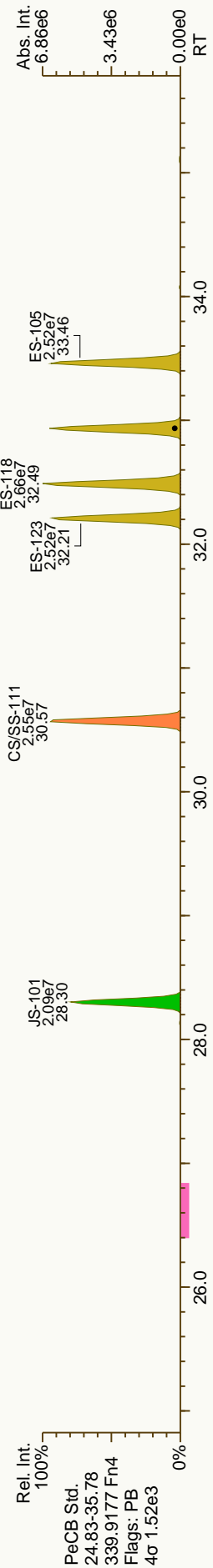
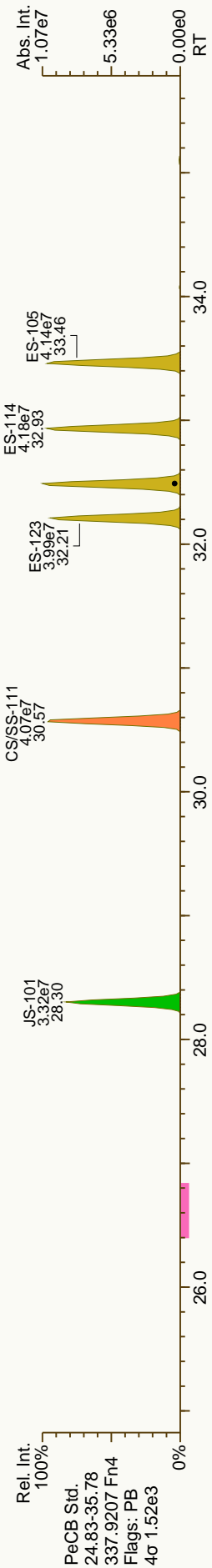
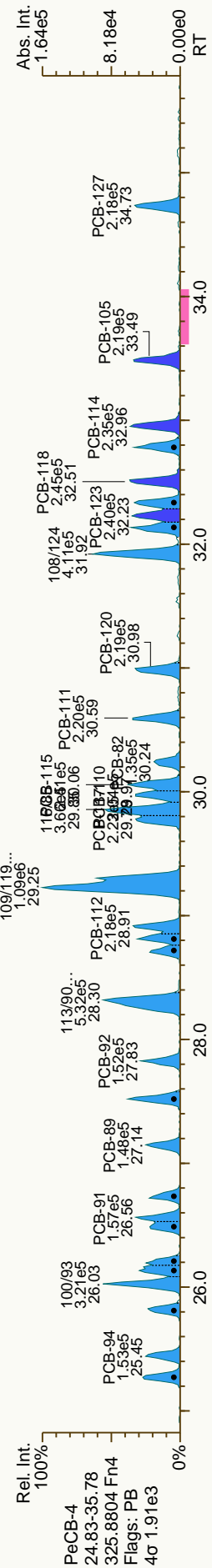
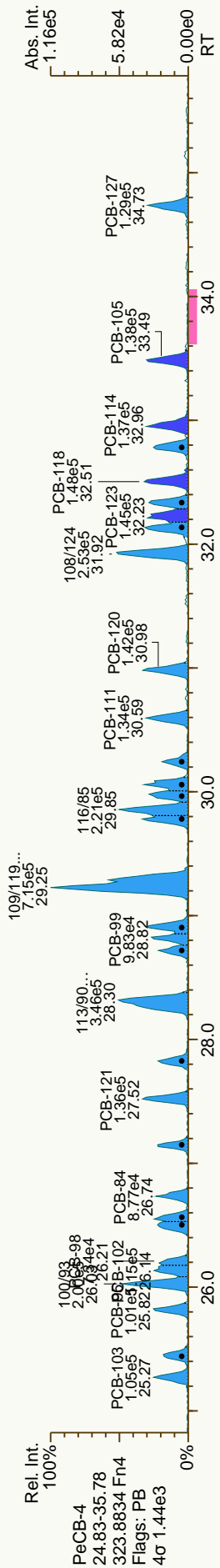




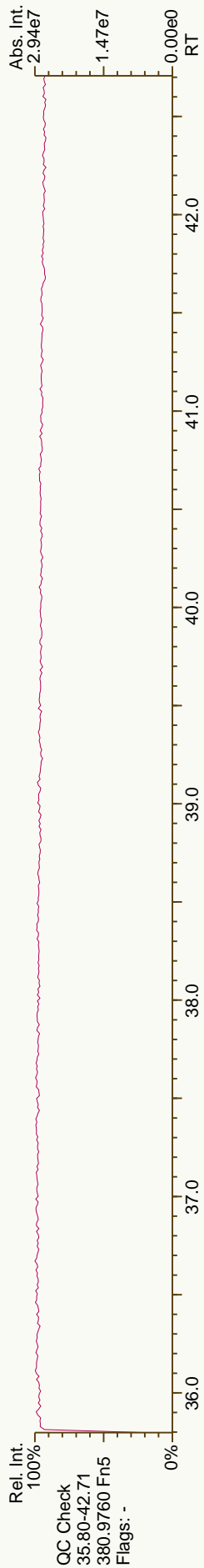
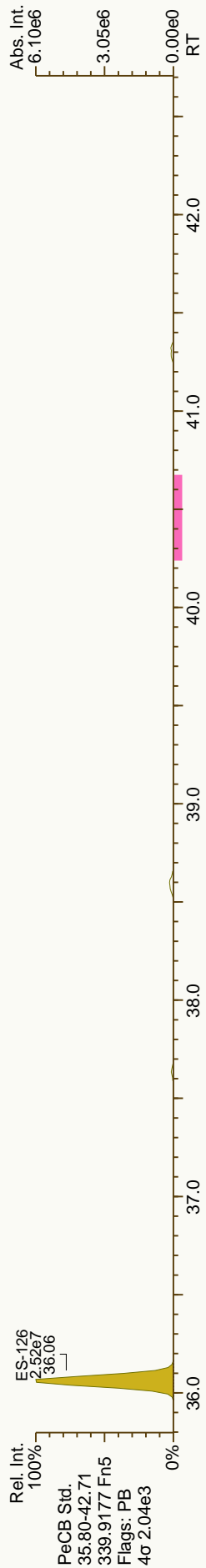
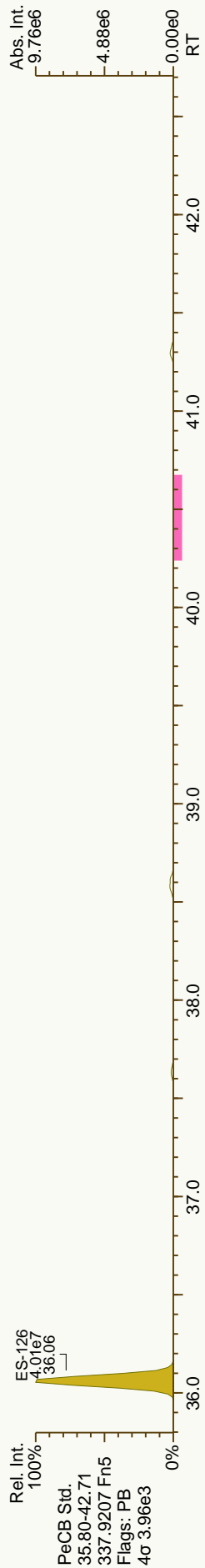
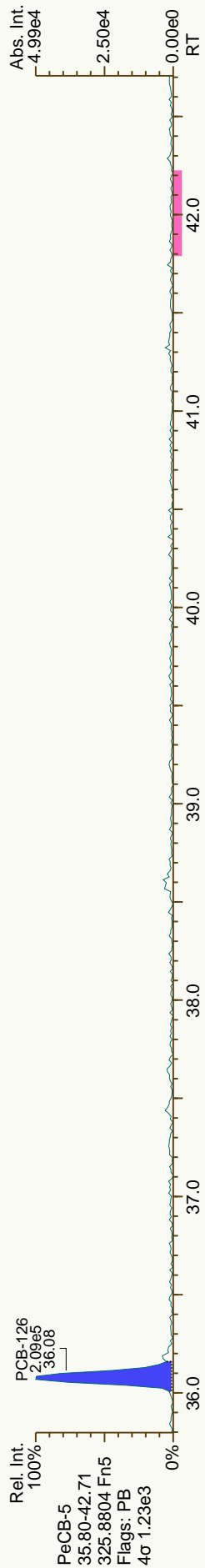
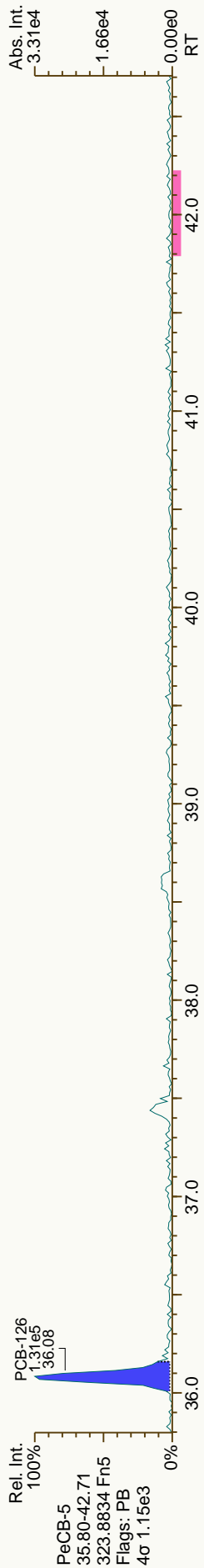


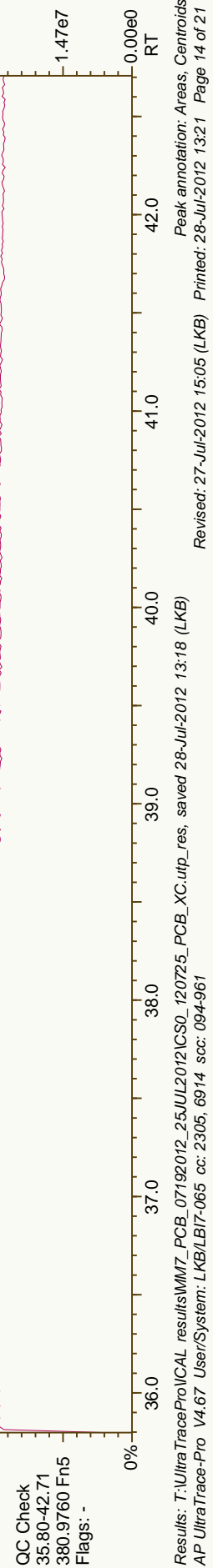
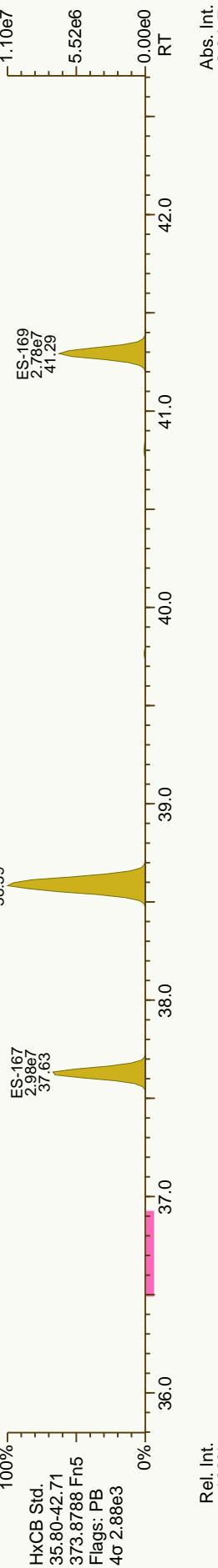
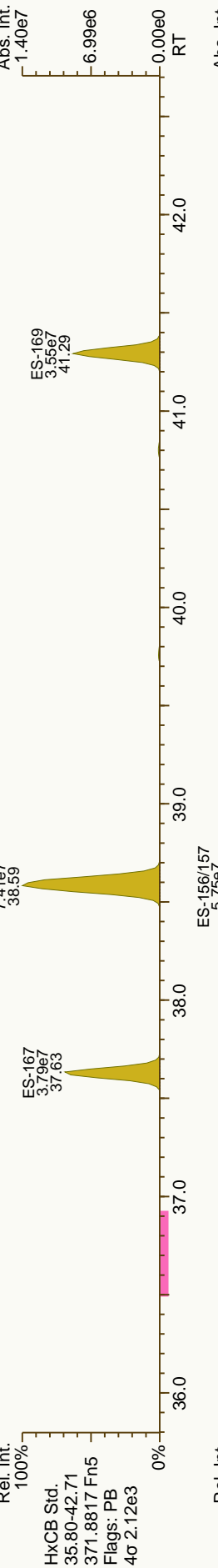
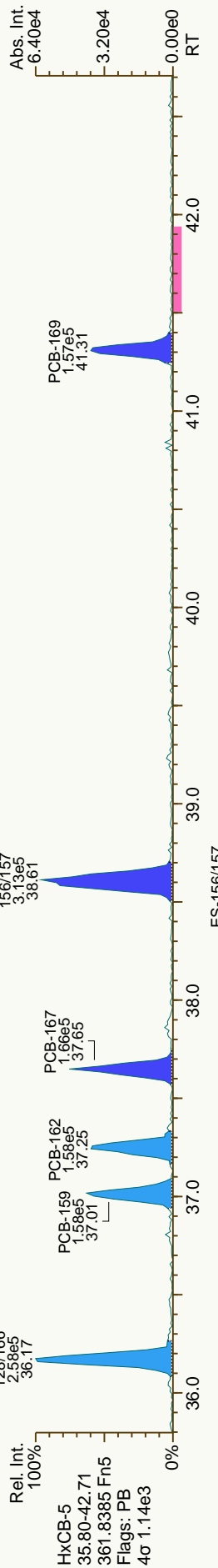
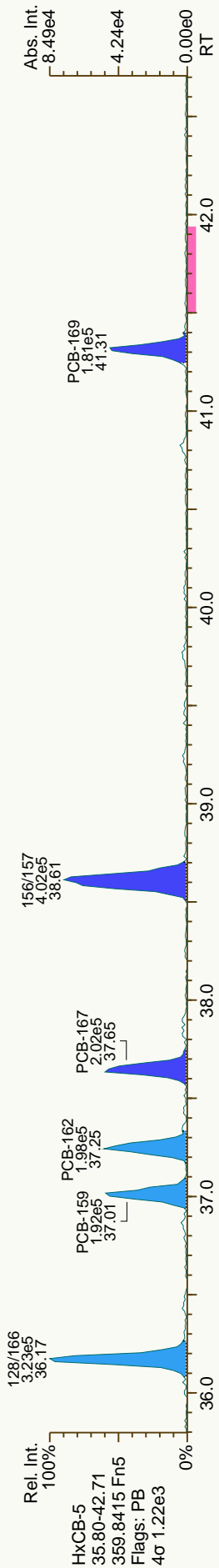


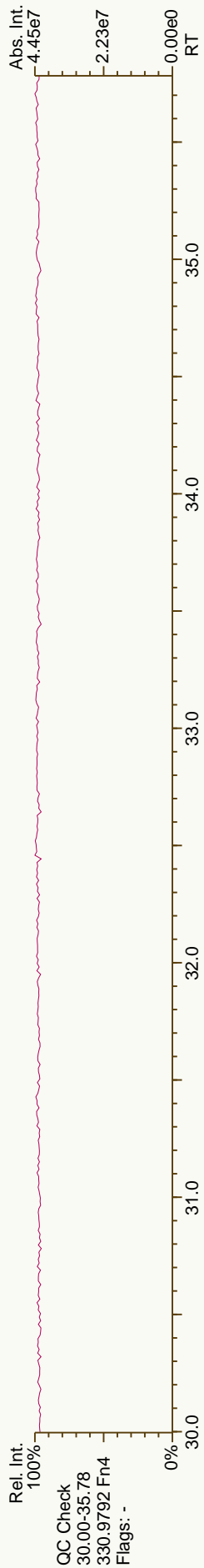
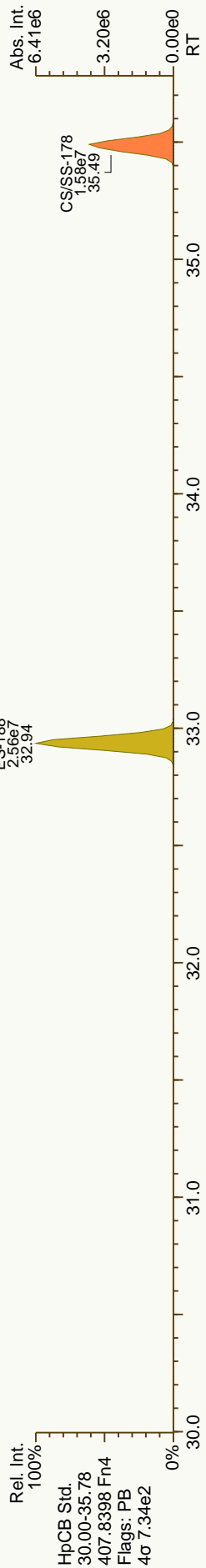
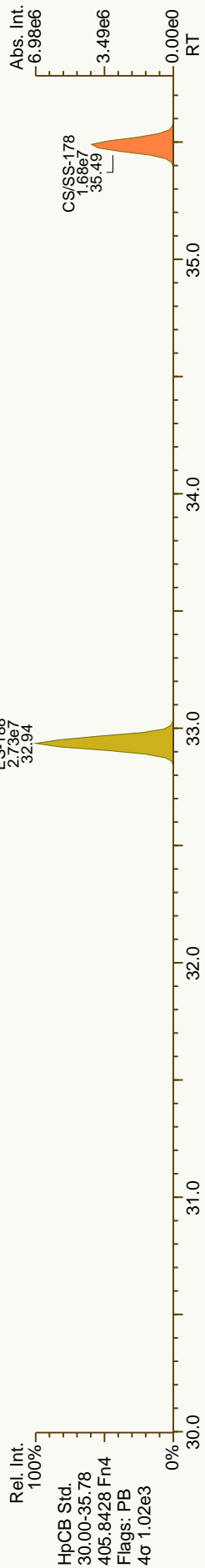
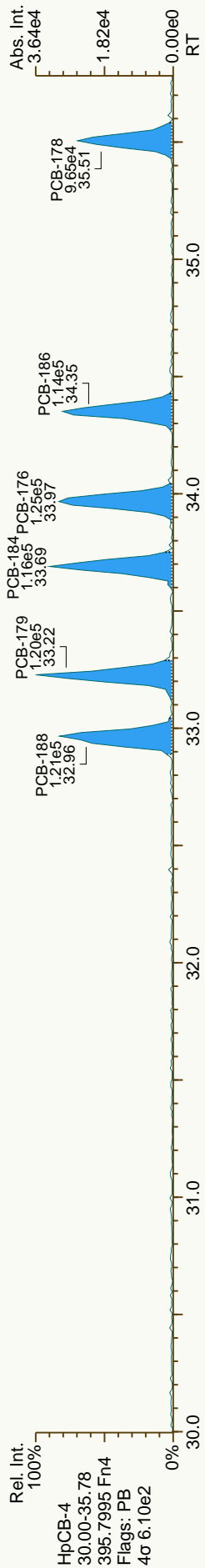
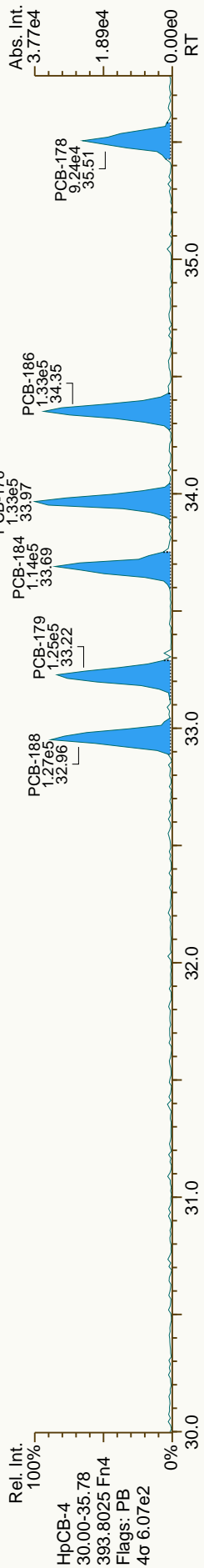


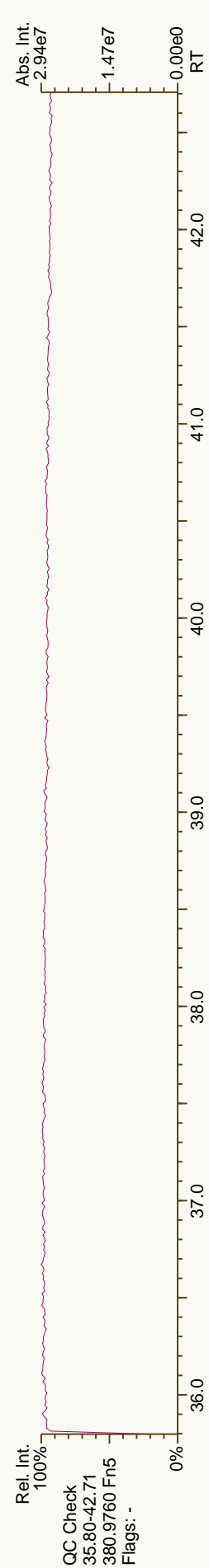
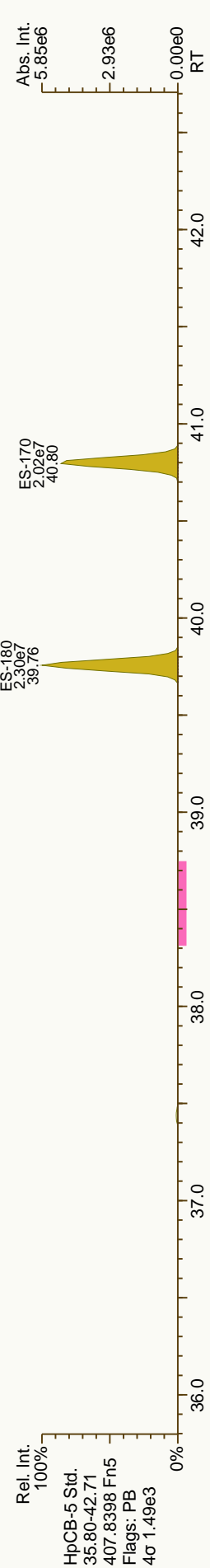
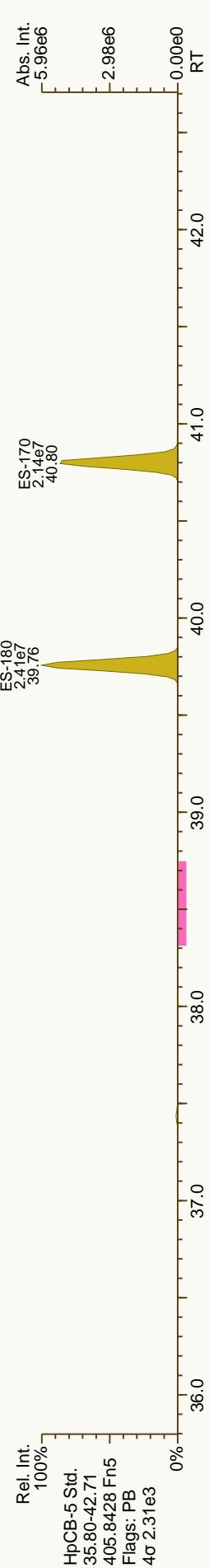
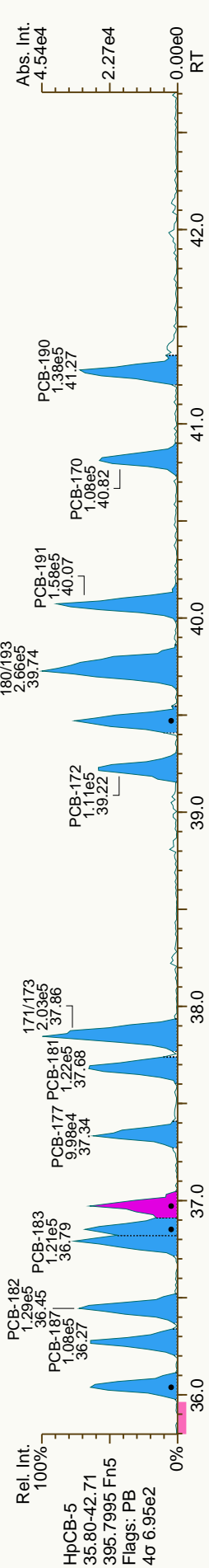
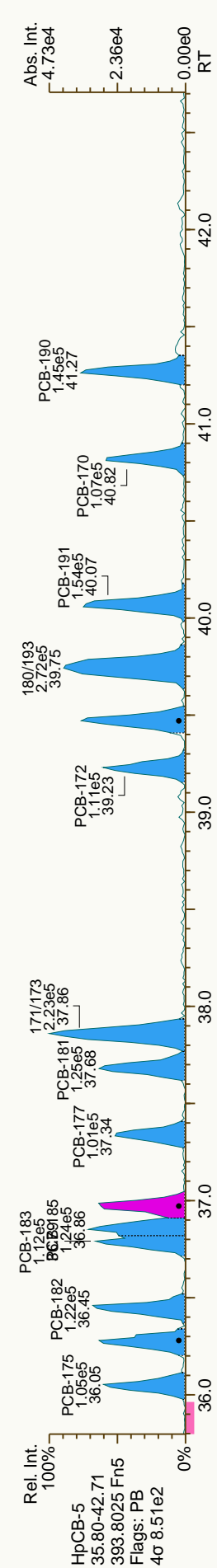


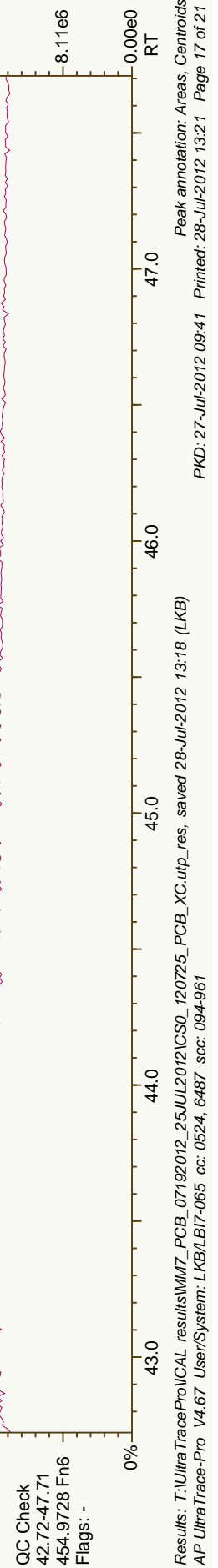
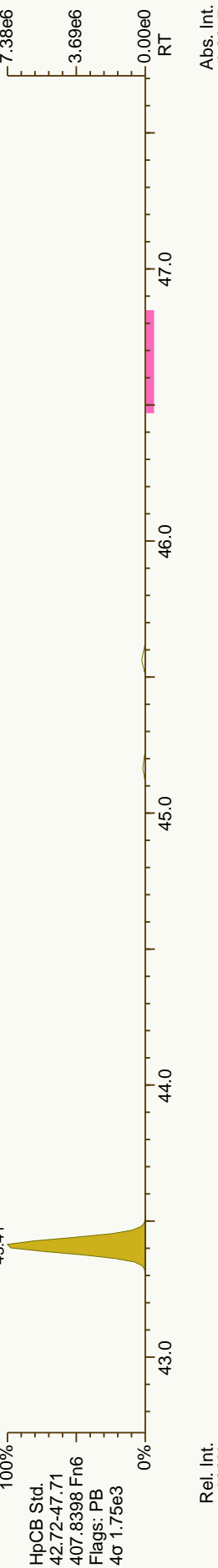
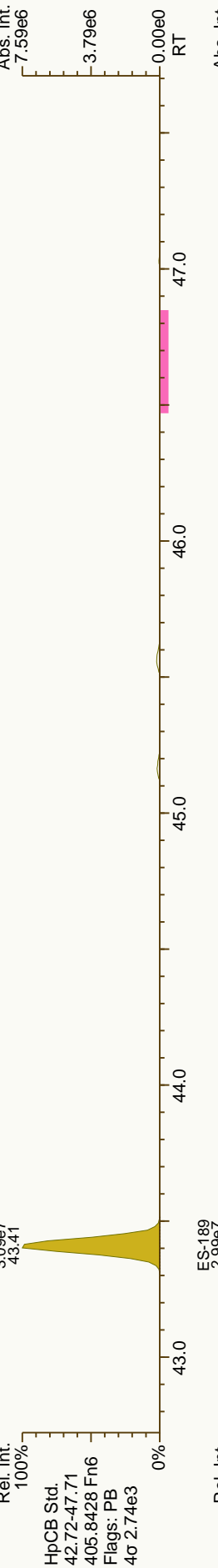
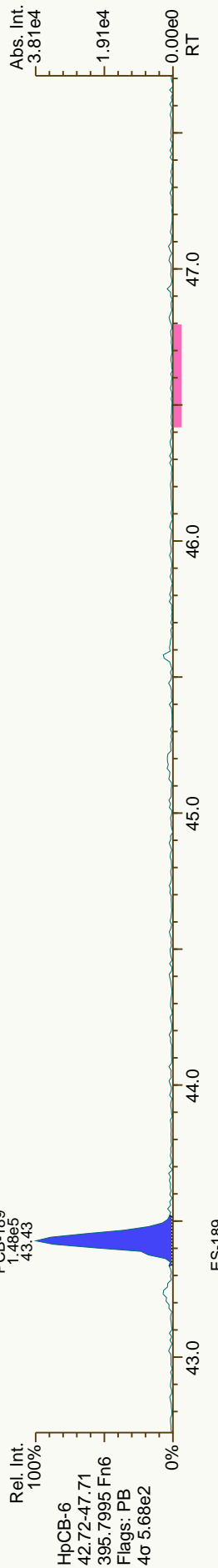
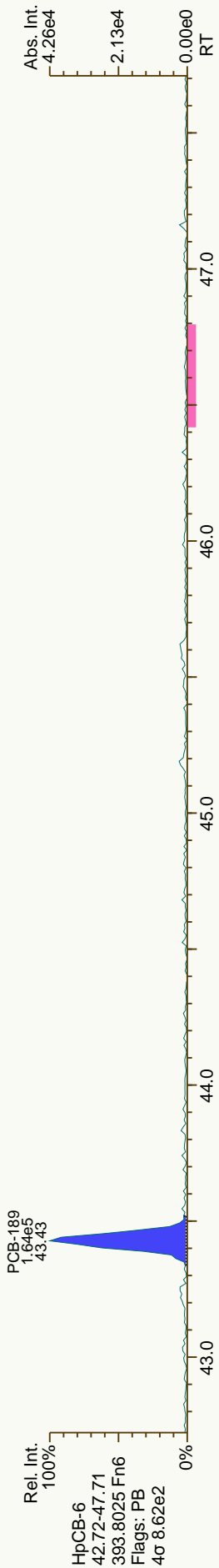
WO# 31203249

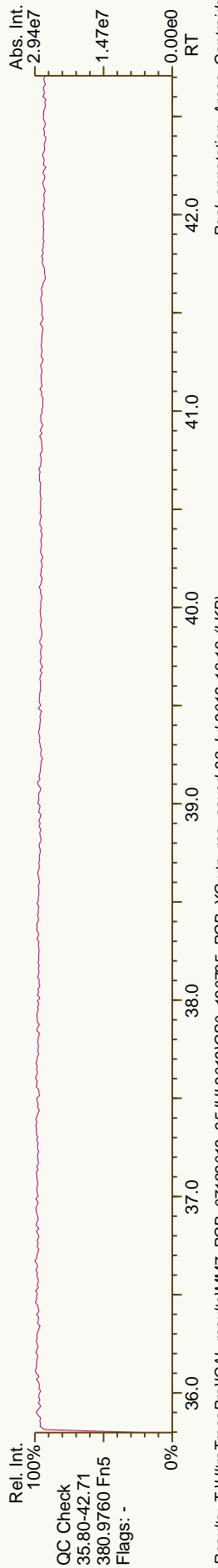
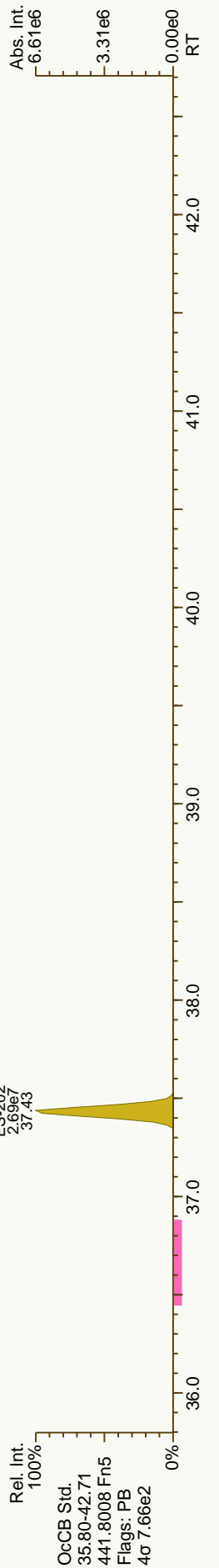
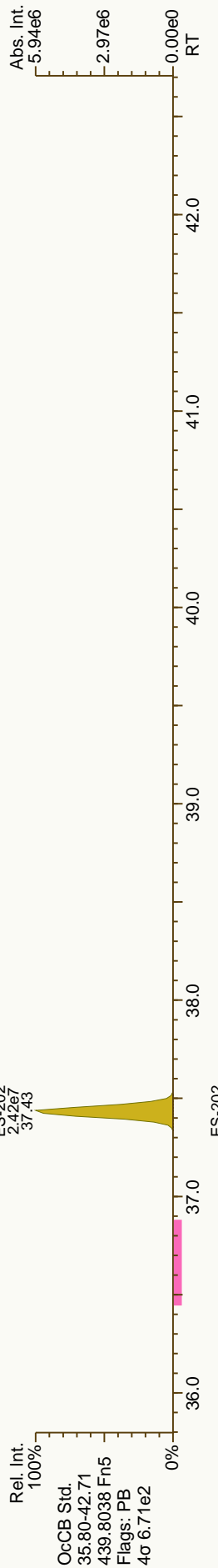
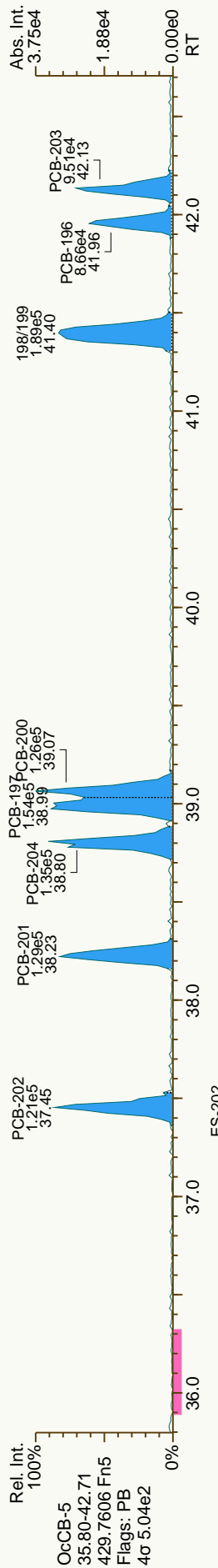
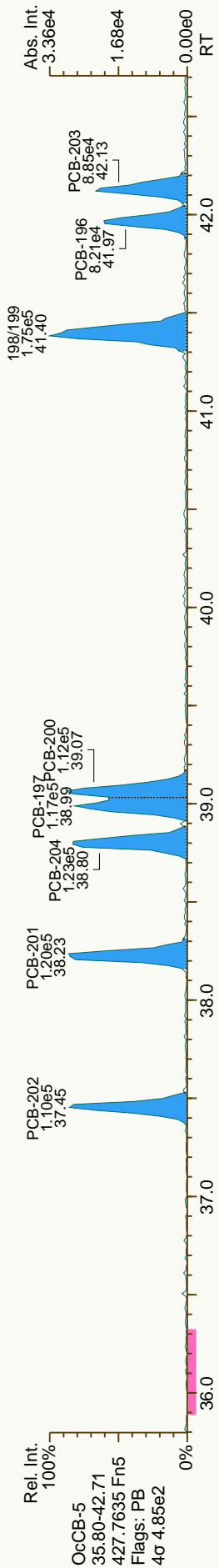


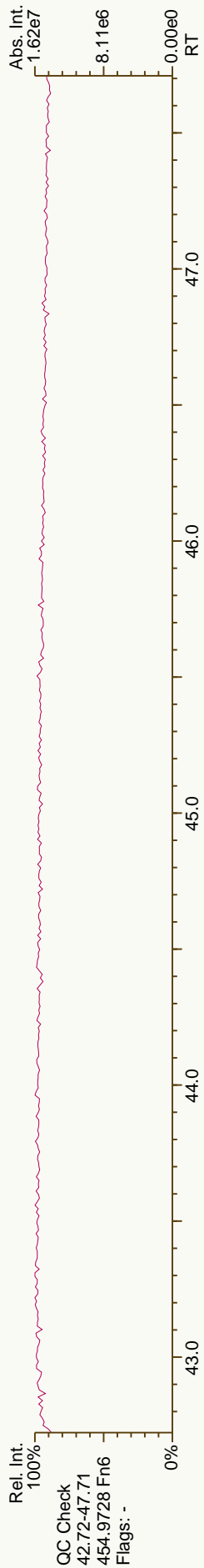
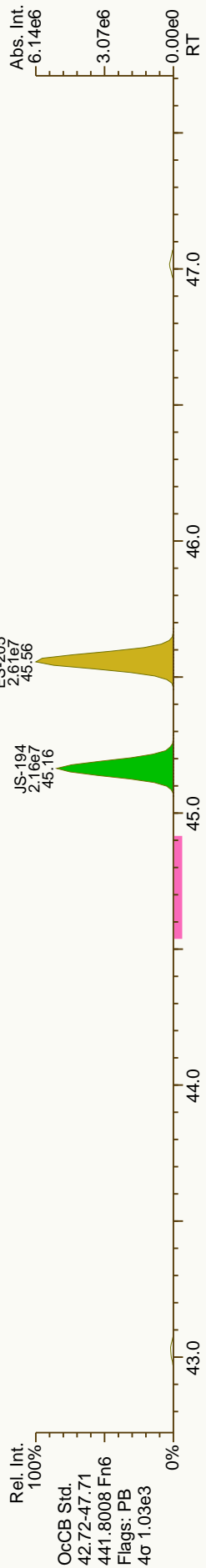
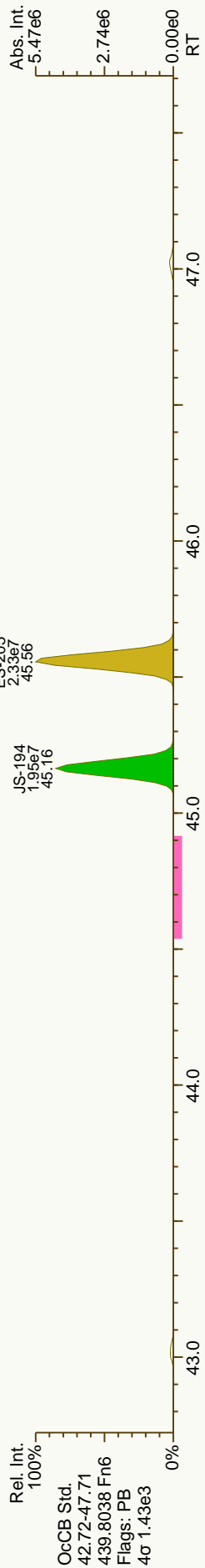
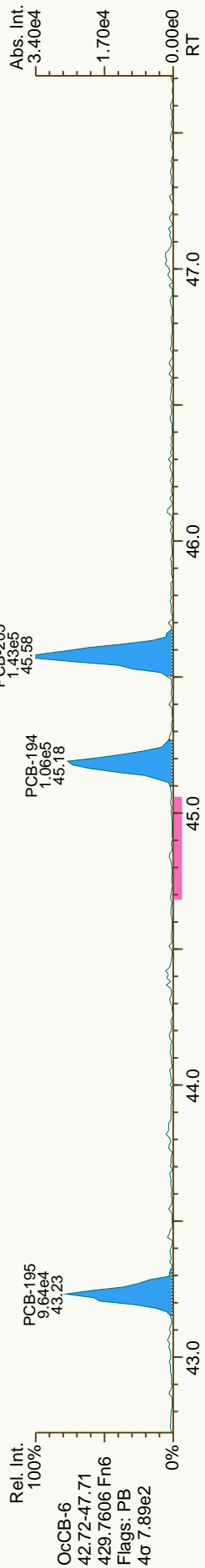
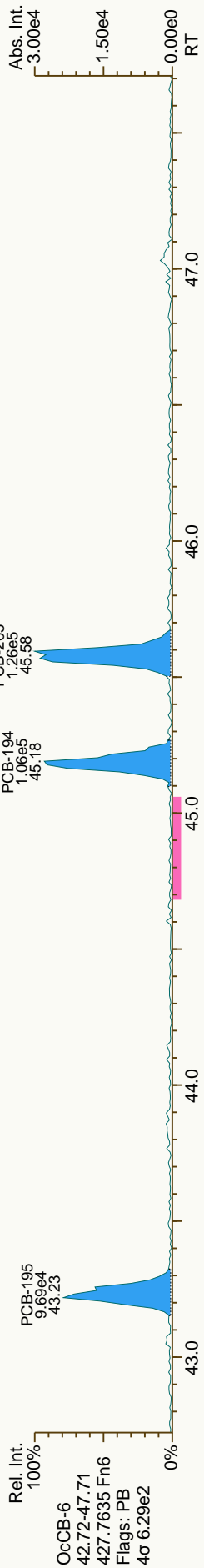


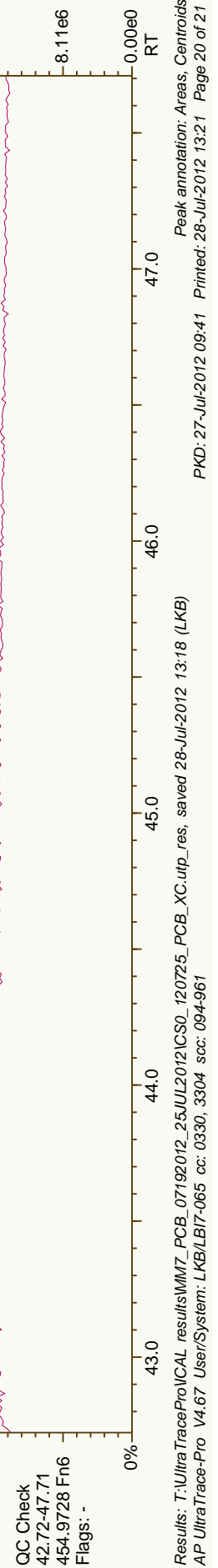
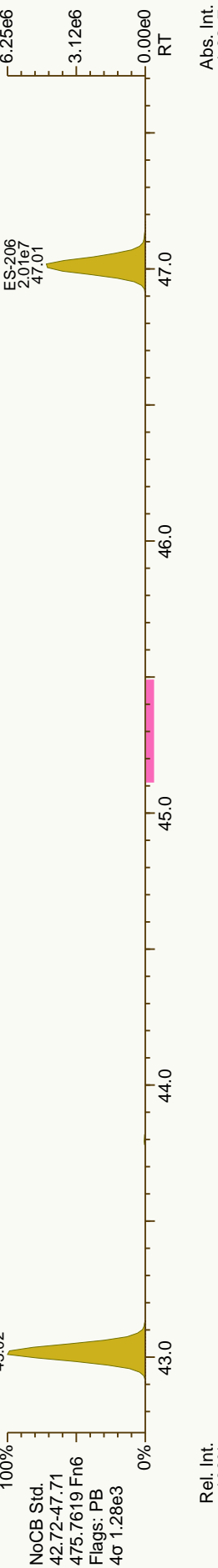
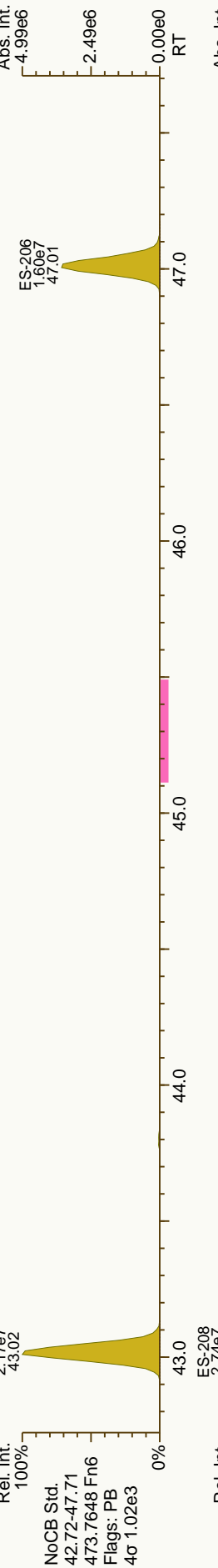
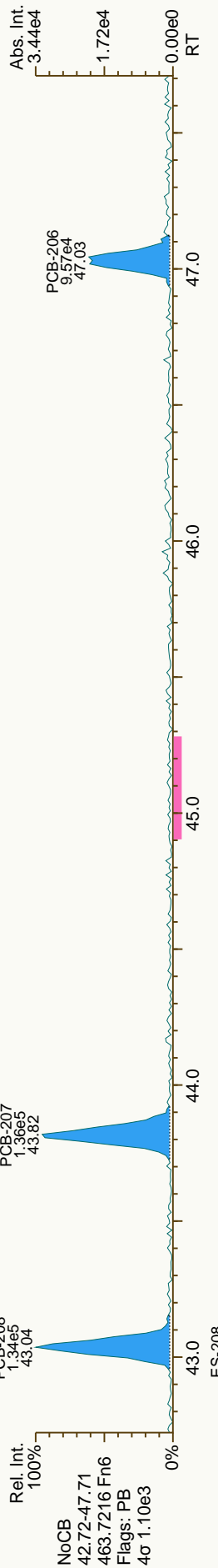
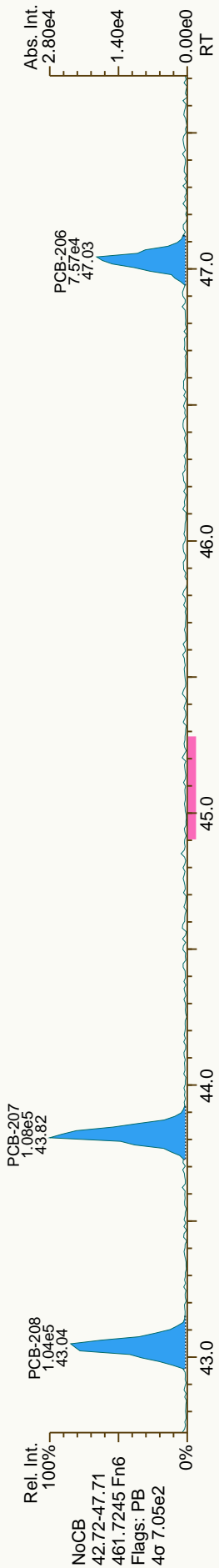


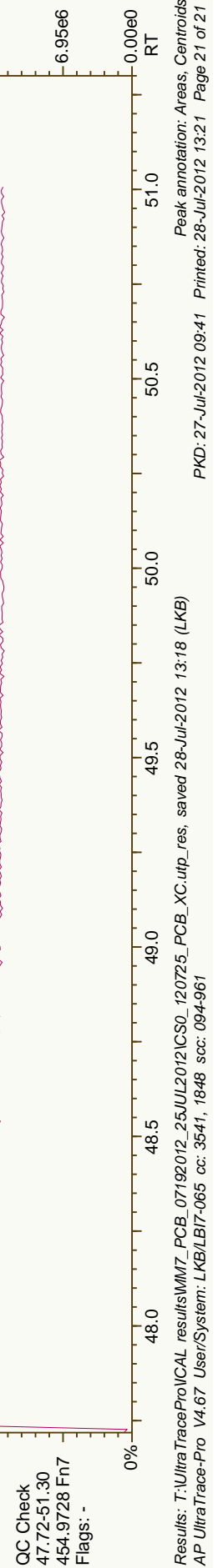
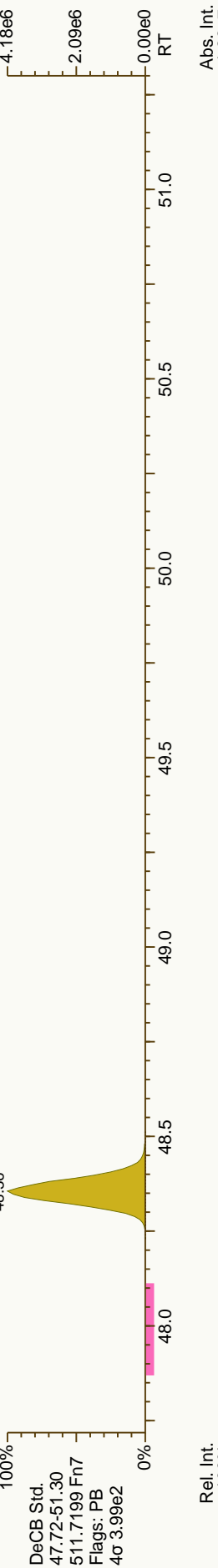
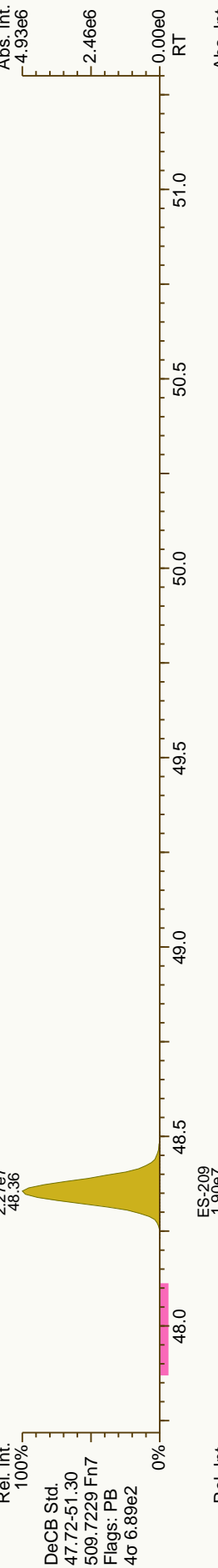
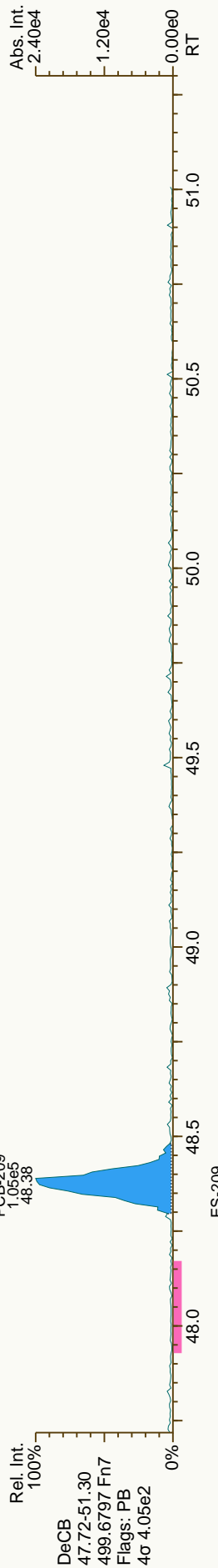












PCB QC Summary **SGS Analytical Perspectives** **Printed: 28-Jul-2012 10:12**

Lab ID: CS1_120725_PCB_XB
 Acquired: 26-JUL-2012 03:50
 Datafile: 120725X16

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	30.54	8.27E+05	0.81 Y	1.13	1.06	-6.8%
PCB-81 344'5'-TeCB	30.07	7.70E+05	0.76 Y	1.13	1.03	-8.6%
PCB-105 233'44'-PeCB	33.49	6.67E+05	0.63 Y	1.09	1.01	-8.1%
PCB-114 2344'5'-PeCB	32.96	7.33E+05	0.62 Y	1.16	1.10	-5.6%
PCB-118 23'44'5'-PeCB	32.51	7.22E+05	0.63 Y	1.11	1.05	-4.7%
PCB-123 2'344'5'-PeCB	32.23	7.33E+05	0.62 Y	1.19	1.12	-6.0%
PCB-126 33'44'5'-PeCB	36.08	6.20E+05	0.60 Y	1.06	0.98	-7.7%
PCB-156/157 233'44'5'/233'44'5'	38.61	1.37E+06	1.22 Y	1.11	1.07	-3.1%
PCB-167 23'44'55'-HxCB	37.65	7.15E+05	1.16 Y	1.14	1.07	-5.4%
PCB-169 33'44'55'-HxCB	41.31	6.50E+05	1.24 Y	1.11	1.05	-5.4%
PCB-189 233'44'55'-HpCB	43.42	5.97E+05	1.08 Y	1.06	1.00	-5.3%
PCB-209 DeCB	48.37	4.29E+05	1.17 Y	1.07	1.06	-1.3%
ES PCB-1	10.64	1.16E+08	3.19 Y	1.08	1.09	1.0%
ES PCB-3	12.70	1.17E+08	3.25 Y	1.08	1.09	1.1%
ES PCB-4	12.92	5.24E+07	1.62 Y	0.49	0.49	0.7%
ES PCB-15	18.24	1.18E+08	1.59 Y	1.11	1.11	-0.3%
ES PCB-19	15.75	5.95E+07	1.05 Y	0.55	0.56	0.8%
ES PCB-37	24.32	9.40E+07	1.06 Y	1.64	1.62	-1.2%
ES PCB-54	18.49	5.51E+07	0.76 Y	0.94	0.95	0.8%
ES PCB-77	30.52	7.83E+07	0.78 Y	1.35	1.35	0.0%
ES PCB-81	30.05	7.48E+07	0.79 Y	1.29	1.29	-0.1%
ES PCB-104	23.28	5.35E+07	1.57 Y	0.99	1.01	1.5%
ES PCB-105	33.46	6.63E+07	1.62 Y	1.23	1.25	1.3%
ES PCB-114	32.93	6.70E+07	1.60 Y	1.25	1.26	1.1%
ES PCB-118	32.49	6.85E+07	1.62 Y	1.28	1.29	0.7%
ES PCB-123	32.21	6.57E+07	1.60 Y	1.22	1.24	1.6%
ES PCB-126	36.06	6.33E+07	1.55 Y	1.20	1.19	-0.6%
ES PCB-153	34.06	5.10E+07	1.28 Y	1.14	1.15	1.0%
ES PCB-155	28.13	6.59E+07	1.30 Y	1.50	1.49	-0.3%
ES PCB-156/157	38.59	1.28E+08	1.28 Y	1.45	1.45	-0.5%
ES PCB-167	37.63	6.65E+07	1.28 Y	1.49	1.50	0.7%
ES PCB-169	41.29	6.18E+07	1.28 Y	1.40	1.40	-0.5%
ES PCB-170	40.80	4.04E+07	1.06 Y	1.00	0.99	-1.1%
ES PCB-180	39.76	4.65E+07	1.06 Y	1.16	1.14	-1.7%
ES PCB-188	32.94	5.19E+07	1.07 Y	1.18	1.17	-0.3%
ES PCB-189	43.41	5.97E+07	1.04 Y	1.49	1.46	-1.6%
ES PCB-202	37.43	5.04E+07	0.89 Y	1.14	1.14	0.3%
ES PCB-205	45.56	4.86E+07	0.90 Y	1.20	1.19	-0.9%
ES PCB-206	47.01	3.49E+07	0.78 Y	0.87	0.85	-1.7%
ES PCB-208	43.01	4.79E+07	0.80 Y	1.19	1.17	-1.4%
ES PCB-209	48.35	4.05E+07	1.18 Y	1.00	0.99	-1.0%

PCB QC Summary **SGS Analytical Perspectives** **Printed: 28-Jul-2012 10:12**

Lab ID: Csl1_120725_PCB_XB ICAL: MM7_PCB_07132012_25JUL12
 Acquired: 26-JUL-2012 03:50
 Datafile: 120725X16

Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	20.88	1.02E+08	1.06 Y	1.07	1.09	1.3%
SS PCB-111	30.57	6.52E+07	1.59 Y	1.01	0.99	-1.2%
SS PCB-178	35.49	3.28E+07	1.07 Y	0.63	0.63	0.5%
CS PCB-28	20.88	1.02E+08	1.06 Y	1.76	1.76	0.1%
CS PCB-111	30.57	6.52E+07	1.59 Y	1.23	1.23	0.3%
CS PCB-178	35.49	3.28E+07	1.07 Y	0.74	0.74	0.2%
JS PCB-9	14.74	1.07E+08	1.59 Y	-	-	-
JS PCB-52	22.45	5.82E+07	0.79 Y	-	-	-
JS PCB-101	28.30	5.31E+07	1.57 Y	-	-	-
JS PCB-138	35.10	4.42E+07	1.29 Y	-	-	-
JS PCB-194	45.16	4.08E+07	0.92 Y	-	-	-
PCB-1 2-MoCB	10.65	1.11E+06	3.37 Y	1.03	0.95	-7.7%
PCB-3 4-MoCB	12.71	1.12E+06	3.18 Y	1.04	0.96	-7.9%
PCB-4 22'-DiCB	12.93	5.71E+05	0.00 S	1.17	1.09	-6.7%
PCB-15 44'-DiCB	18.25	1.24E+06	1.58 Y	1.08	1.05	-2.6%
PCB-19 22'6'-TrCB	15.77	6.03E+05	1.08 Y	1.09	1.01	-7.2%
PCB-37 344'-TrCB	24.34	9.91E+05	1.03 Y	1.10	1.05	-4.5%
PCB-54 22'66'-TeCB	18.51	6.22E+05	0.82 Y	1.21	1.13	-6.6%
PCB-104 22'466'-PeCB	23.30	6.18E+05	0.67 Y	1.25	1.15	-8.0%
PCB-153 22'44'55'-HxCB	34.11	1.15E+06	1.29 Y	1.22	1.13	-7.3%
PCB-155 22'44'66'-HxCB	28.15	6.98E+05	1.23 Y	1.09	1.06	-2.9%
PCB-170 22'33'44'5'-HpCB	40.82	3.98E+05	1.08 Y	1.07	0.99	-8.2%
PCB-180 22'344'55'-HpCB	39.74	9.84E+05	1.05 Y	1.16	1.06	-8.6%
PCB-188 22'34'566'-HpCB	32.96	5.17E+05	1.08 Y	1.03	0.99	-3.8%
PCB-202 22'33'55'66'-OcCB	37.45	4.27E+05	0.84 Y	0.91	0.85	-7.5%
PCB-205 233'44'55'6'-OcCB	45.58	4.98E+05	0.88 Y	1.09	1.02	-6.0%
PCB-208 22'33'455'66'-NoCB	43.04	4.58E+05	0.80 Y	1.02	0.96	-6.0%
PCB-206 22'33'44'55'6'-NoCB	47.03	3.13E+05	0.74 Y	0.98	0.90	-8.3%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:12

Lab ID: CS1_120725_PCB_XB
 Acquired: 26-JUL-2012 03:50
 Datafile: 120725X16

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.65	1.11E+06	3.37 Y	1.03	0.95	-7.7%
PCB-2 3-MoCB	12.54	1.09E+06	3.11 Y	1.04	0.93	-10.5%
PCB-3 4-MoCB	12.71	1.12E+06	3.18 Y	1.04	0.96	-7.9%
PCB-4 22'-DiCB	12.93	5.71E+05	0.00 S	1.17	1.09	-6.7%
PCB-10 26-DiCB	13.10	8.68E+05	1.66 Y	1.83	1.66	-9.5%
PCB-9 25-DiCB	14.76	9.88E+05	1.58 Y	0.89	0.84	-6.4%
PCB-7 24-DiCB	14.91	1.14E+06	1.45 Y	1.02	0.97	-5.2%
PCB-6 23'-DiCB	15.12	1.02E+06	1.62 Y	0.95	0.87	-8.5%
PCB-5 23-DiCB	15.40	1.05E+06	1.58 Y	0.97	0.89	-8.3%
PCB-8 24'-DiCB	15.51	1.07E+06	1.55 Y	0.98	0.91	-7.9%
PCB-14 35-DiCB	16.98	1.28E+06	1.65 Y	1.16	1.09	-6.1%
PCB-11 33'-DiCB	17.71	1.12E+06	1.57 Y	1.00	0.95	-4.7%
PCB-13/12 34'-/34-DiCB	17.98	2.20E+06	1.58 Y	1.02	0.93	-8.2%
PCB-15 44'-DiCB	18.25	1.24E+06	1.58 Y	1.08	1.05	-2.6%
PCB-19 22'6-TrCB	15.77	6.03E+05	1.08 Y	1.09	1.01	-7.2%
PCB-30/18 246-/22'5-TrCB	17.43	1.61E+06	1.13 Y	1.46	1.35	-7.3%
PCB-17 22'4-TrCB	17.81	6.92E+05	1.12 Y	1.25	1.16	-7.0%
PCB-27 23'6-TrCB	17.99	9.34E+05	1.10 Y	1.69	1.57	-7.2%
PCB-24 236-TrCB	18.12	9.00E+05	1.03 Y	1.63	1.51	-7.4%
PCB-16 22'3-TrCB	18.20	5.04E+05	1.13 Y	0.95	0.85	-11.1%
PCB-32 24'6-TrCB	18.66	9.95E+05	1.03 Y	1.79	1.67	-6.4%
PCB-34 2'35-TrCB	19.77	9.06E+05	1.07 Y	1.05	0.96	-8.0%
PCB-23 235-TrCB	19.91	9.26E+05	1.03 Y	1.06	0.99	-6.8%
PCB-26/29 23'5-/24'5-TrCB	20.19	1.92E+06	1.04 Y	1.09	1.02	-6.1%
PCB-25 23'4-TrCB	20.37	9.37E+05	1.10 Y	1.07	1.00	-7.2%
PCB-31 24'5-TrCB	20.64	9.80E+05	1.09 Y	1.11	1.04	-6.1%
PCB-28/20 244'-/233'-TrCB	20.91	1.90E+06	1.04 Y	1.07	1.01	-5.5%
PCB-21/33 234-/2'34-TrCB	21.08	1.91E+06	1.08 Y	1.09	1.02	-7.0%
PCB-22 234'-TrCB	21.44	9.06E+05	1.05 Y	1.02	0.96	-5.1%
PCB-36 33'5-TrCB	22.79	1.02E+06	1.01 Y	1.13	1.08	-3.8%
PCB-39 34'5-TrCB	23.10	1.03E+06	1.00 Y	1.17	1.09	-6.3%
PCB-38 345-TrCB	23.60	8.98E+05	1.05 Y	1.03	0.96	-7.4%
PCB-35 334-TrCB	23.99	9.20E+05	1.04 Y	1.04	0.98	-5.9%
PCB-37 344'-TrCB	24.34	9.91E+05	1.03 Y	1.10	1.05	-4.5%
PCB-54 22'66-TeCB	18.51	6.22E+05	0.82 Y	1.21	1.13	-6.6%
PCB-50/53 22'46-/22'56-TeCB	20.42	1.22E+06	0.78 Y	0.86	0.82	-4.4%
PCB-45 22'36-TeCB	20.97	4.79E+05	0.80 Y	0.73	0.64	-12.4%
PCB-51 22'46'-TeCB	21.04	6.28E+05	0.80 Y	0.88	0.84	-4.5%
PCB-46 22'36'-TeCB	21.24	4.90E+05	0.84 Y	0.70	0.66	-5.8%
PCB-52 22'55'-TeCB	22.48	5.89E+05	0.79 Y	0.84	0.79	-6.5%
PCB-73 23'56TeCB	22.60	7.75E+05	0.78 Y	1.09	1.04	-5.0%
PCB-43 22'35-TeCB	22.69	4.90E+05	0.82 Y	0.72	0.65	-9.5%
PCB-69/49 23'46-/22'45TeCB	22.88	1.41E+06	0.82 Y	1.01	0.94	-6.8%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:12

Lab ID: CS1_120725_PCB_XB
 Acquired: 26-JUL-2012 03:50
 Datafile: 120725X16

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.15	5.88E+05	0.77 Y	0.85	0.79	-7.6%
PCB-44/47/65 22'35'-/22'44'-	23.35	1.83E+06	0.79 Y	0.89	0.82	-8.2%
PCB-59/62/75 23'36'-/23'46'-/24	23.62	2.35E+06	0.80 Y	1.14	1.05	-8.1%
PCB-42 22'34'-TeCB	23.78	5.42E+05	0.79 Y	0.77	0.72	-6.1%
PCB-41 22'34'-TeCB	24.10	5.22E+05	0.77 Y	0.73	0.70	-4.0%
PCB-71/40 23'46'/22'33'-TeCB	24.19	1.18E+06	0.80 Y	0.87	0.79	-8.8%
PCB-64 23'46'-TeCB	24.39	8.72E+05	0.78 Y	1.24	1.17	-5.7%
PCB-72 23'55'-TeCB	25.12	7.90E+05	0.75 Y	1.14	1.06	-7.6%
PCB-68 23'45'-TeCB	25.36	8.26E+05	0.79 Y	1.21	1.10	-8.7%
PCB-57 23'35'-TeCB	25.72	7.56E+05	0.74 Y	1.11	1.01	-8.6%
PCB-58 23'35'-TeCB	25.91	7.56E+05	0.78 Y	1.10	1.01	-8.1%
PCB-67 23'45'-TeCB	26.07	8.25E+05	0.83 Y	1.16	1.10	-5.0%
PCB-63 23'45'-TeCB	26.29	8.45E+05	0.76 Y	1.22	1.13	-7.1%
PCB-61/70/74/76 23'45'-/23'4'5	26.57	3.11E+06	0.79 Y	1.13	1.04	-8.2%
PCB-66 23'44'-TeCB	26.85	7.41E+05	0.82 Y	1.08	0.99	-7.8%
PCB-55 23'3'4'-TeCB	26.98	7.70E+05	0.74 Y	1.10	1.03	-6.2%
PCB-56 23'3'4'-TeCB	27.40	7.27E+05	0.74 Y	1.06	0.97	-8.0%
PCB-60 23'44'-TeCB	27.59	7.66E+05	0.74 Y	1.11	1.02	-7.9%
PCB-80 33'55'-TeCB	27.95	8.69E+05	0.77 Y	1.25	1.16	-7.3%
PCB-79 33'45'-TeCB	29.23	8.68E+05	0.81 Y	1.23	1.16	-5.9%
PCB-78 33'45'-TeCB	29.70	7.54E+05	0.72 Y	1.08	1.01	-6.7%
PCB-104 22'466'-PeCB	23.30	6.18E+05	0.67 Y	1.25	1.15	-8.0%
PCB-96 22'366'-PeCB	23.60	5.55E+05	0.66 Y	1.08	1.04	-3.6%
PCB-103 22'45'6'-PeCB	25.27	5.59E+05	0.64 Y	0.90	0.85	-5.6%
PCB-94 22'356'-PeCB	25.45	4.73E+05	0.62 Y	0.78	0.72	-7.2%
PCB-95 22'35'6'-PeCB	25.82	4.87E+05	0.62 Y	0.83	0.74	-10.3%
PCB-100/93 22'44'6'-/22'356'-P	26.03	1.03E+06	0.61 Y	0.84	0.78	-7.0%
PCB-102 22'456'-PeCB	26.13	5.18E+05	0.58 Y	0.90	0.79	-12.4%
PCB-98 22'3'46'-PeCB	26.20	5.12E+05	0.59 Y	0.77	0.78	0.9%
PCB-88 22'3'46'-PeCB	26.49	4.69E+05	0.65 Y	0.79	0.71	-10.0%
PCB-91 22'3'46'-PeCB	26.56	5.55E+05	0.63 Y	0.88	0.84	-4.0%
PCB-84 22'33'6'-PeCB	26.74	4.30E+05	0.60 Y	0.71	0.65	-7.9%
PCB-89 22'3'46'-PeCB	27.14	4.69E+05	0.64 Y	0.76	0.71	-6.1%
PCB-121 23'45'6'-PeCB	27.52	7.02E+05	0.66 Y	1.14	1.07	-6.5%
PCB-92 22'355'-PeCB	27.83	4.88E+05	0.63 Y	0.80	0.74	-7.0%
PCB-113/90/101 23'35'6'-/22'3	28.30	1.74E+06	0.63 Y	0.93	0.88	-5.6%
PCB-83 22'33'5'-PeCB	28.71	4.47E+05	0.59 Y	0.71	0.68	-4.6%
PCB-99 22'44'5'-PeCB	28.82	4.93E+05	0.65 Y	0.87	0.75	-13.9%
PCB-112 23'35'6'-PeCB	28.91	7.32E+05	0.58 Y	1.13	1.11	-1.0%
PCB-108/119/86/97/125/87 233	29.25	3.48E+06	0.61 Y	0.95	0.88	-6.9%
PCB-117 23'4'56'-PeCB	29.78	7.14E+05	0.58 Y	1.04	1.09	4.6%
PCB-116/85 23'456'-/22'3'44'-Pe	29.85	1.13E+06	0.63 Y	0.97	0.86	-11.2%
PCB-110 23'3'4'6'-PeCB	29.97	6.02E+05	0.60 Y	1.02	0.92	-10.4%

PCB QC Summary - Ax2 Detail

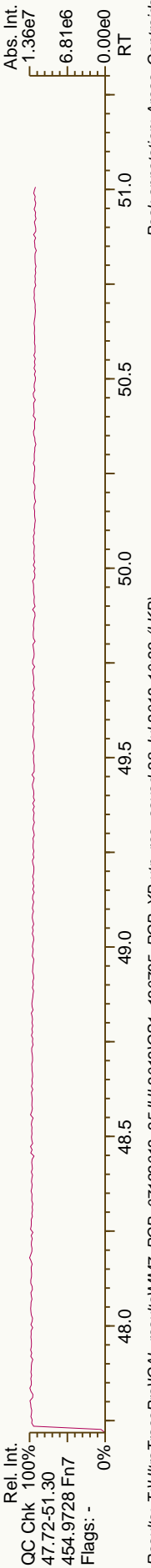
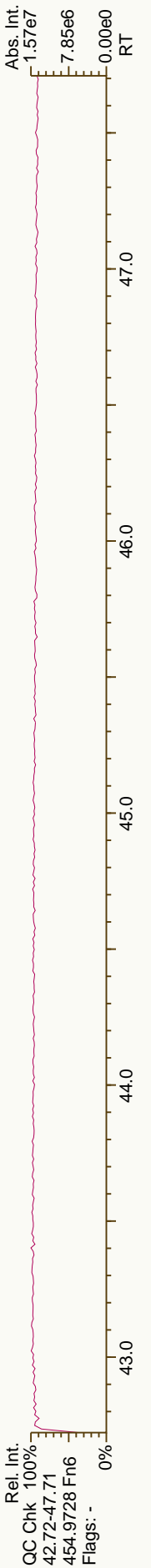
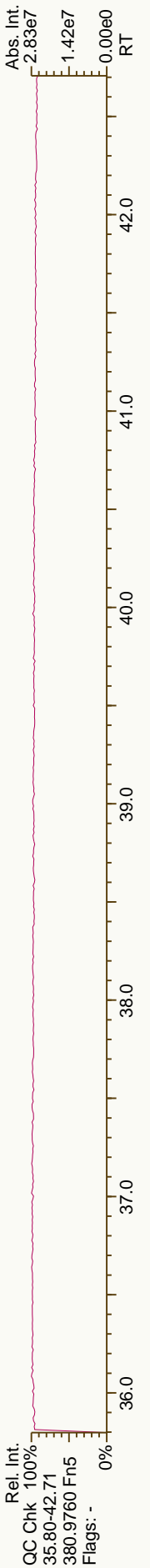
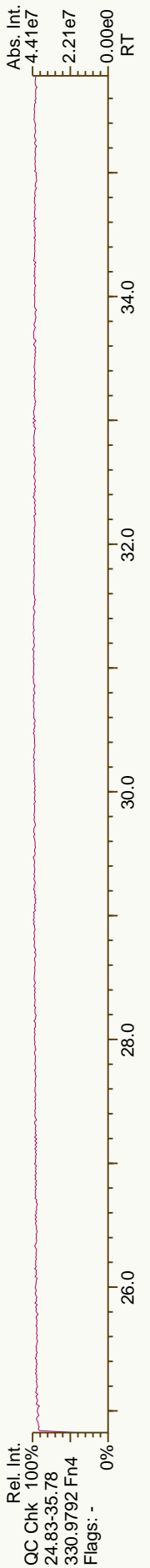
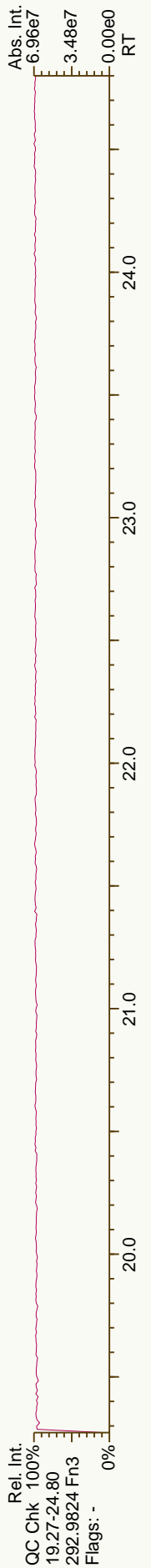
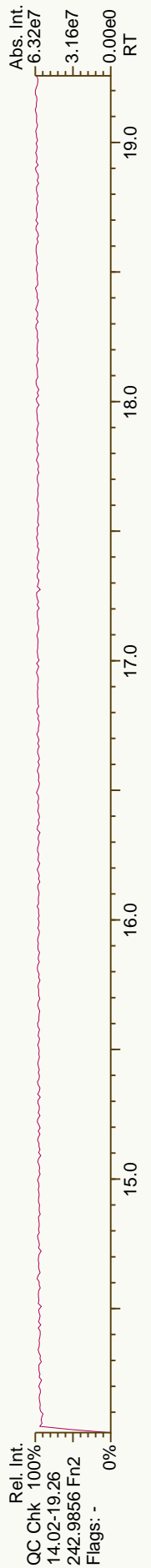
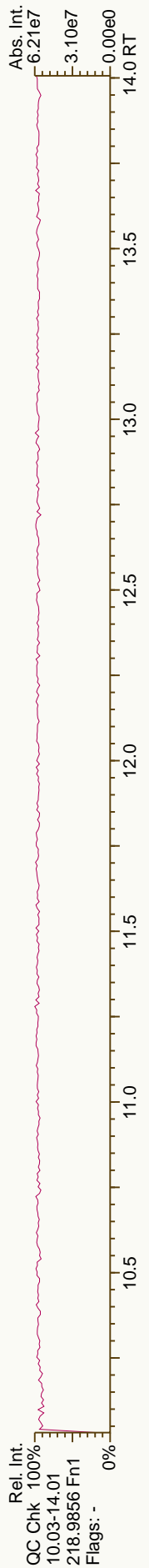
Lab ID: CS1_120725_PCB_XB
 Acquired: 26-JUL-2012 03:50
 Datafile: 120725X16

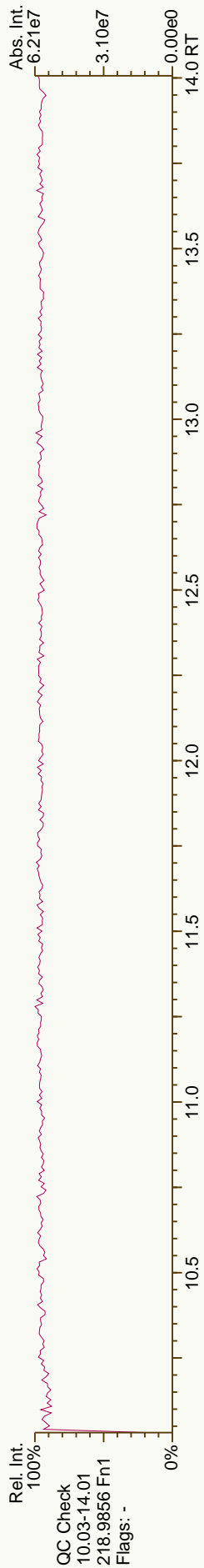
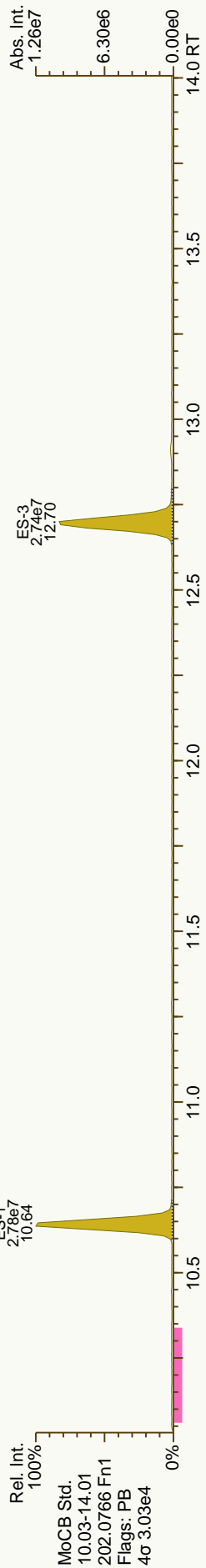
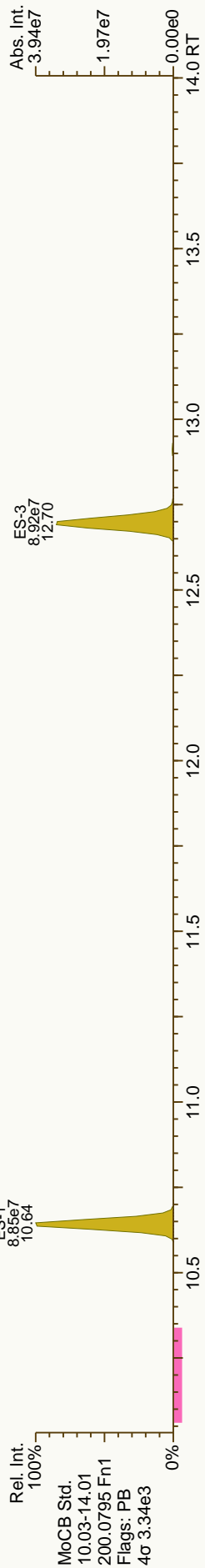
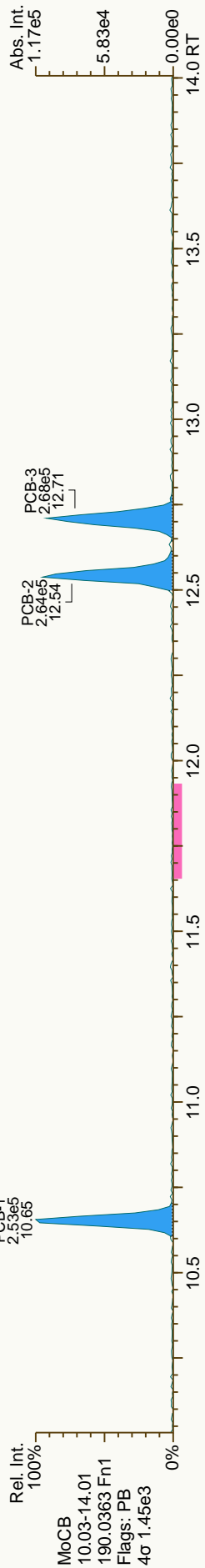
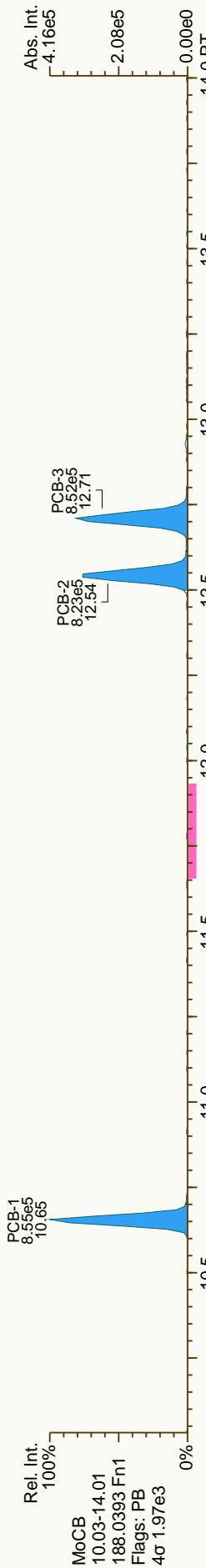
ICAL: MM7_PCB_07132012_25JUL12

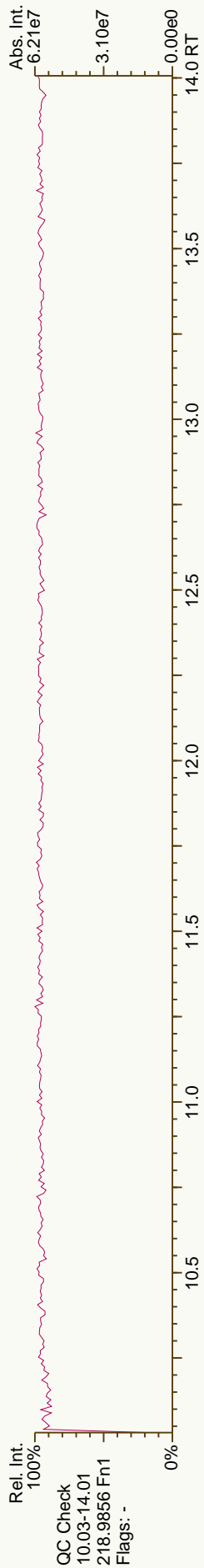
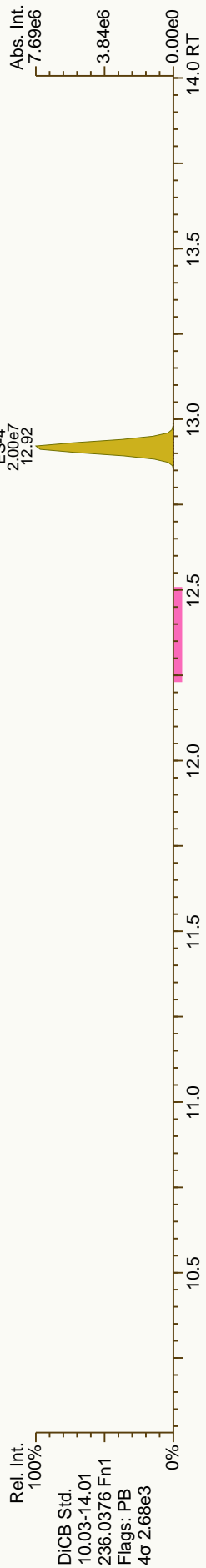
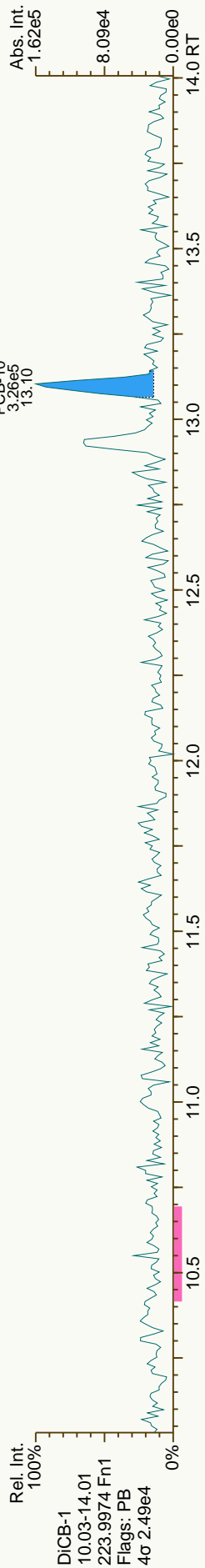
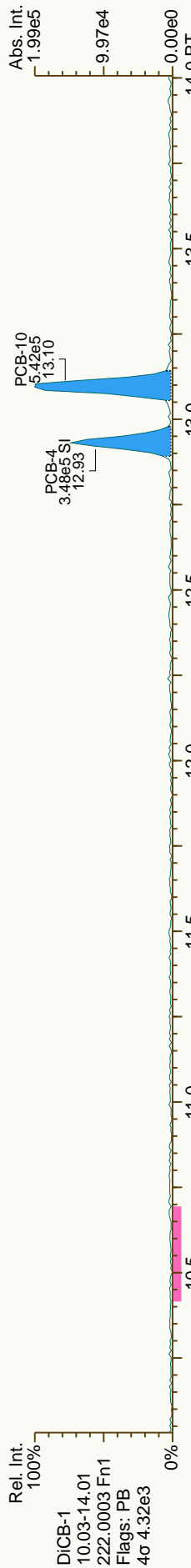
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6-PeCB	30.06	7.27E+05	0.57 Y	1.16	1.11	-4.4%
PCB-82 22'33'4-PeCB	30.24	4.25E+05	0.61 Y	0.69	0.65	-6.3%
PCB-111 233'55'-PeCB	30.59	7.11E+05	0.61 Y	1.15	1.08	-6.2%
PCB-120 23'455'-PeCB	30.98	7.11E+05	0.59 Y	1.16	1.08	-6.7%
PCB-107/124 233'4'5'-/2'3455'	31.92	1.31E+06	0.60 Y	1.07	1.00	-7.3%
PCB-109 233'46'-PeCB	32.13	7.10E+05	0.61 Y	1.14	1.08	-5.3%
PCB-106 233'45'-PeCB	32.33	6.34E+05	0.64 Y	1.07	0.97	-9.8%
PCB-122 2'33'45'-PeCB	32.79	6.54E+05	0.62 Y	1.00	0.98	-2.4%
PCB-127 33'455'-PeCB	34.73	6.91E+05	0.59 Y	1.10	1.04	-5.2%
PCB-155 22'44'66'-HxCB	28.15	6.98E+05	1.23 Y	1.09	1.06	-2.9%
PCB-152 22'3566'-HxCB	28.29	6.22E+05	1.37 Y	1.01	0.94	-6.8%
PCB-150 22'34'66'-HxCB	28.44	6.07E+05	1.27 Y	1.00	0.92	-8.4%
PCB-136 22'33'66'-HxCB	28.72	5.96E+05	1.28 Y	0.95	0.90	-5.1%
PCB-145 22'3466'HxCB	28.99	6.02E+05	1.30 Y	0.96	0.91	-5.1%
PCB-148 22'34'56'-HxCB	30.28	4.49E+05	1.27 Y	0.97	0.88	-9.2%
PCB-151/135 22'355'6'-/22'33'	30.78	9.24E+05	1.29 Y	0.96	0.91	-5.9%
PCB-154 22'44'5'6'-HxCB	30.99	5.18E+05	1.28 Y	1.09	1.02	-6.7%
PCB-144 22'345'6'-HxCB	31.24	4.58E+05	1.23 Y	0.98	0.90	-8.6%
PCB-147/149 22'34'56'-/22'34'	31.54	9.24E+05	1.24 Y	0.99	0.91	-8.0%
PCB-134 22'33'56'-HxCB	31.71	4.24E+05	1.30 Y	0.80	0.83	3.8%
PCB-143 22'3456'-HxCB	31.79	4.08E+05	1.31 Y	0.95	0.80	-16.2%
PCB-139/140 22'344'6'-/22'344'	32.05	9.39E+05	1.25 Y	1.00	0.92	-7.8%
PCB-131 22'33'46'-HxCB	32.21	4.05E+05	1.29 Y	0.85	0.79	-6.5%
PCB-142 22'3456'-HxCB	32.35	4.13E+05	1.35 Y	0.87	0.81	-7.2%
PCB-132 22'33'46'-HxCB	32.58	4.09E+05	1.21 Y	0.89	0.80	-9.7%
PCB-133 22'33'55'-HxCB	33.02	4.41E+05	1.33 Y	0.91	0.87	-5.3%
PCB-165 233'55'6'-HxCB	33.36	5.42E+05	1.34 Y	1.13	1.06	-6.2%
PCB-146 22'34'55'-HxCB	33.57	4.70E+05	1.32 Y	1.01	0.92	-8.3%
PCB-161 233'45'6'-HxCB	33.68	6.01E+05	1.19 Y	1.25	1.18	-5.9%
PCB-153/168 22'44'55'-/23'44'	34.11	1.15E+06	1.29 Y	1.22	1.13	-7.3%
PCB-141 22'3455'-HxCB	34.24	4.40E+05	1.19 Y	0.93	0.86	-6.9%
PCB-130 22'33'45'-HxCB	34.58	3.98E+05	1.17 Y	0.85	0.78	-7.9%
PCB-137 22'344'5'-HxCB	34.77	5.17E+05	1.12 Y	1.04	1.01	-2.7%
PCB-164 233'4'5'6'-HxCB	34.86	5.92E+05	1.18 Y	1.22	1.16	-5.1%
PCB-163/138/129 233'4'56'-/22'	35.14	1.46E+06	1.31 Y	1.02	0.96	-6.4%
PCB-160 233'456'-HxCB	35.27	5.94E+05	1.22 Y	1.21	1.17	-3.5%
PCB-158 233'44'6'-HxCB	35.45	6.47E+05	1.37 Y	1.34	1.27	-5.1%
PCB-128/166 22'33'44'-/2344'5	36.17	1.14E+06	1.26 Y	0.90	0.86	-4.2%
PCB-159 233'455'-HxCB	37.01	6.56E+05	1.26 Y	1.06	0.99	-7.2%
PCB-162 233'4'55'-HxCB	37.25	6.53E+05	1.22 Y	1.08	0.98	-8.7%
PCB-188 22'34'566'-HpCB	32.96	5.17E+05	1.08 Y	1.03	0.99	-3.8%
PCB-179 22'33'566'-HpCB	33.23	4.75E+05	1.13 Y	0.97	0.91	-5.5%
PCB-184 22'344'66'-HpCB	33.69	4.58E+05	0.97 Y	0.93	0.88	-5.5%

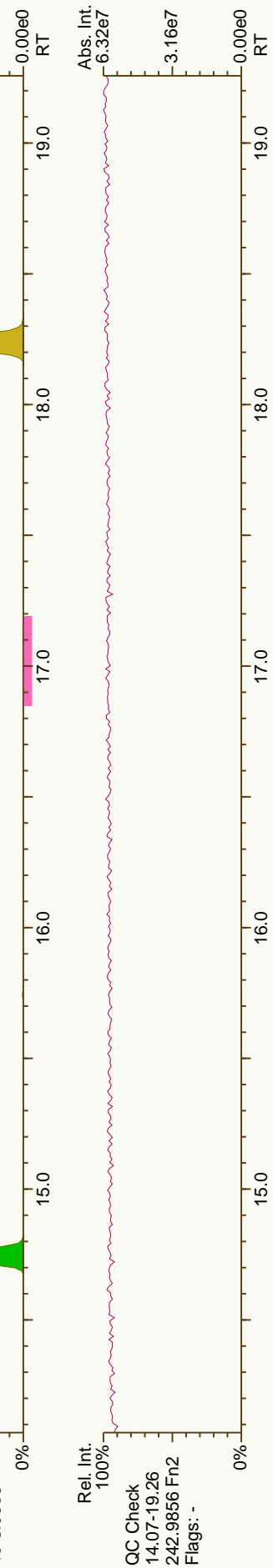
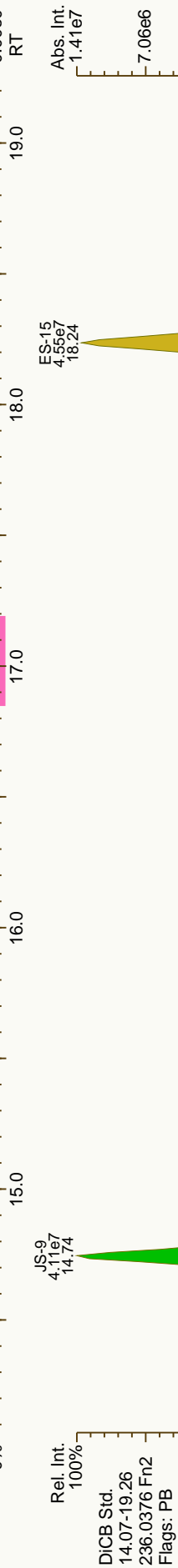
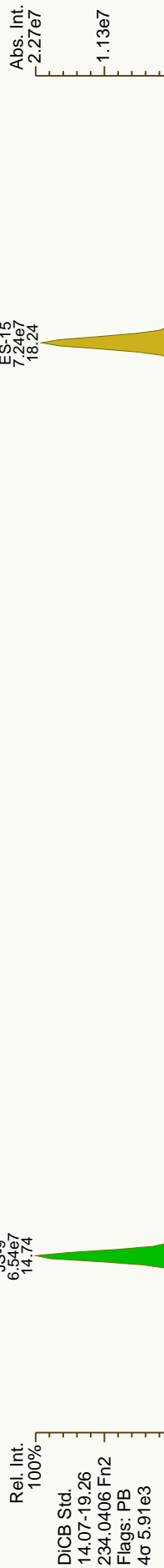
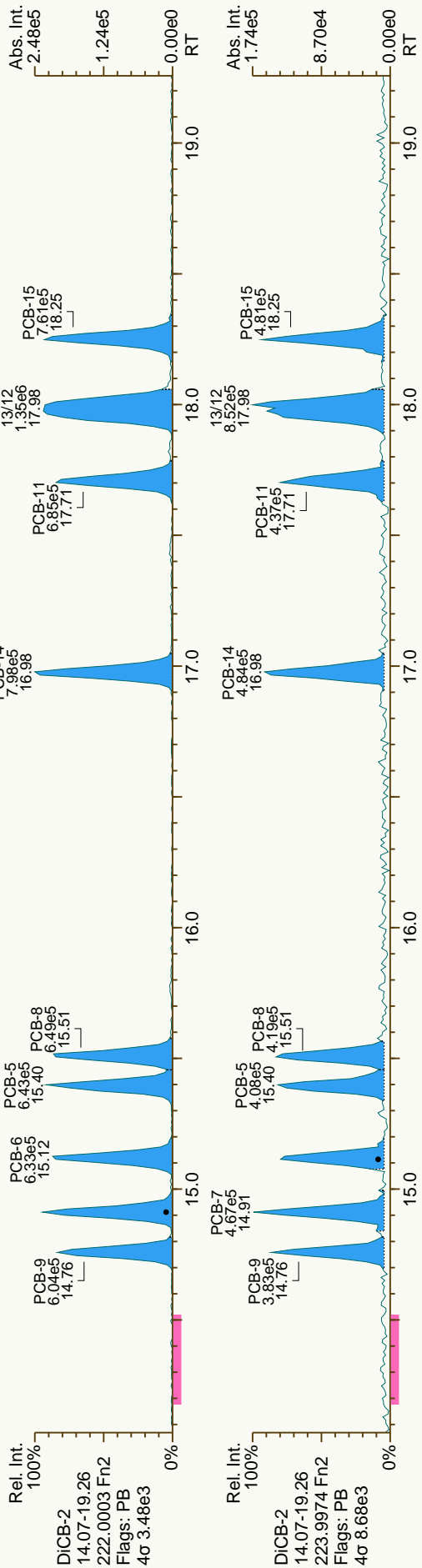
PCB QC Summary - Ax2 Detail

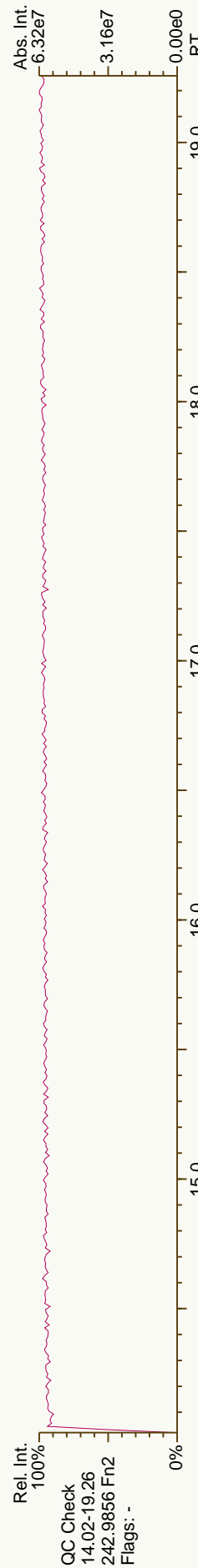
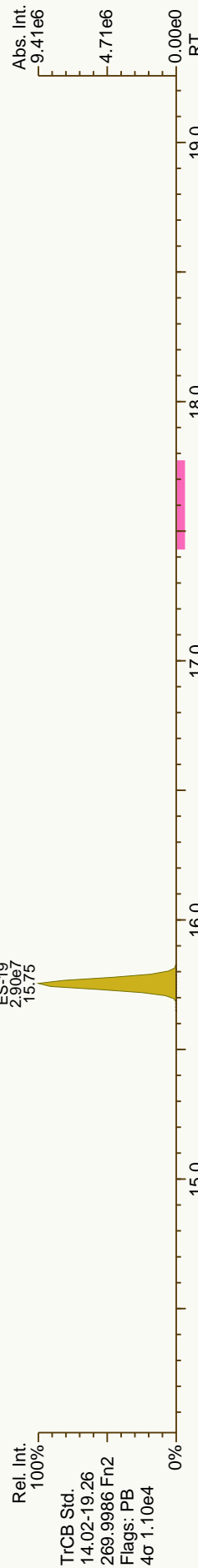
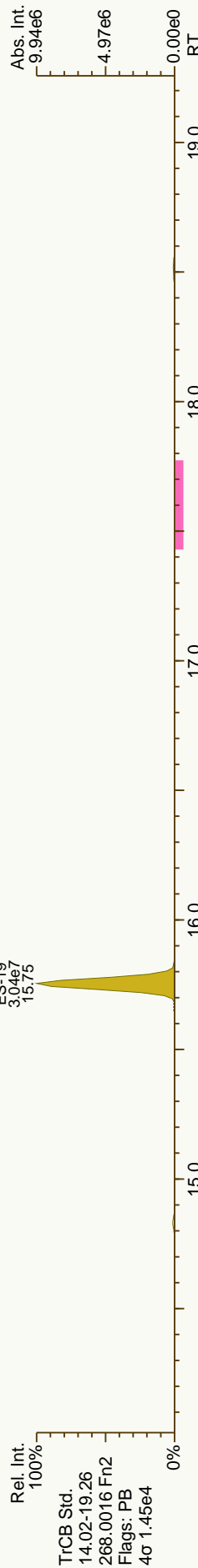
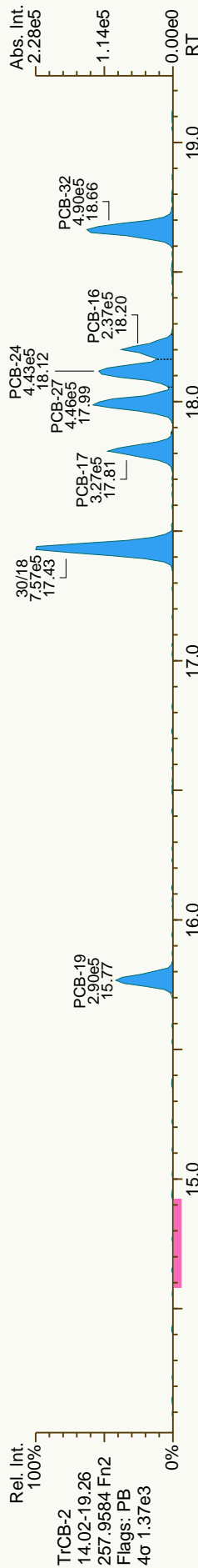
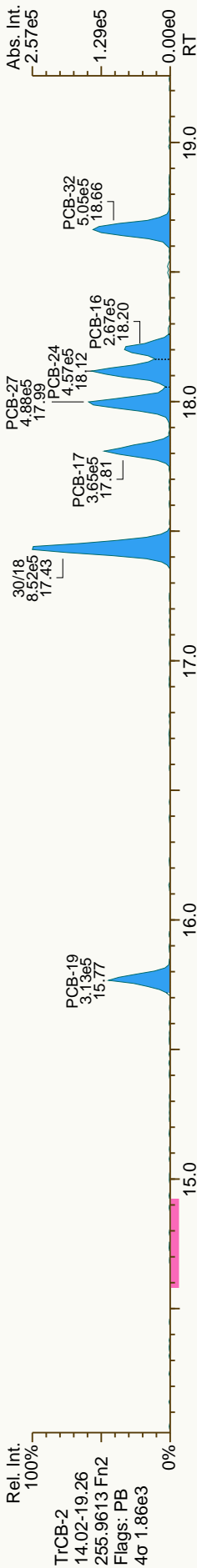
Lab ID:	CS1_120725_PCB_XB		ICAL: MM7_PCB_07132012_25JUL12				
Acquired:	26-JUL-2012 03:50						
Datafile:	120725X16						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.97	5.13E+05	1.05 Y	1.05	0.99	-5.7%	
PCB-186 22'34'566'-HpCB	34.35	4.76E+05	1.12 Y	0.98	0.92	-6.6%	
PCB-178 22'33'556'-HpCB	35.51	3.64E+05	1.17 Y	0.74	0.70	-4.7%	
PCB-175 22'33'456'-HpCB	36.04	4.27E+05	1.00 Y	1.01	0.92	-8.8%	
PCB-187 22'34'556'-HpCB	36.27	4.59E+05	1.10 Y	1.06	0.99	-6.9%	
PCB-182 22'344'56'-HpCB	36.45	5.07E+05	0.98 Y	1.11	1.09	-1.7%	
PCB-183 22'344'56'-HpCB	36.78	4.76E+05	1.01 Y	1.13	1.03	-9.5%	
PCB-185 22'34556'-HpCB	36.86	4.69E+05	1.04 Y	1.02	1.01	-0.8%	
PCB-174 22'33'456'-HpCB	36.97	4.17E+05	1.00 Y	0.93	0.90	-3.1%	
PCB-177 22'33'456'-HpCB	37.34	3.93E+05	1.08 Y	0.91	0.85	-6.5%	
PCB-181 22'344'56'-HpCB	37.68	4.75E+05	1.08 Y	1.06	1.02	-3.8%	
PCB-171/173 22'33'44'6'-/22'3	37.86	8.13E+05	1.11 Y	0.93	0.87	-5.7%	
PCB-172 22'33'455'-HpCB	39.23	4.21E+05	1.04 Y	0.95	0.91	-5.0%	
PCB-192 233'4556'-HpCB	39.47	5.36E+05	1.10 Y	1.24	1.15	-7.0%	
PCB-180/193 22'344'55'-/233'	39.74	9.84E+05	1.05 Y	1.16	1.06	-8.6%	
PCB-191 233'44'56'-HpCB	40.07	5.67E+05	1.14 Y	1.30	1.22	-6.3%	
PCB-170 22'33'44'5'-HpCB	40.82	3.98E+05	1.08 Y	1.07	0.99	-8.2%	
PCB-190 233'44'56'-HpCB	41.26	5.55E+05	1.06 Y	1.45	1.37	-5.4%	
PCB-202 22'33'55'66'-OcCB	37.45	4.27E+05	0.84 Y	0.91	0.85	-7.5%	
PCB-201 22'33'45'66'-OcCB	38.23	4.87E+05	0.88 Y	1.02	0.97	-5.4%	
PCB-204 22'344'566'-OcCB	38.80	4.51E+05	0.97 Y	0.98	0.90	-8.3%	
PCB-197 22'33'44'66'-OcCB	38.99	5.40E+05	0.94 Y	1.06	1.07	0.6%	
PCB-200 22'33'4566'-OcCB	39.07	4.09E+05	0.98 Y	0.96	0.81	-15.6%	
PCB-198/199 22'33'455'6'-/22'	41.39	6.71E+05	0.90 Y	0.72	0.67	-7.0%	
PCB-196 22'33'44'56'-OcCB	41.96	3.50E+05	0.92 Y	0.73	0.69	-5.0%	
PCB-203 22'344'556'-OcCB	42.13	3.62E+05	0.90 Y	0.76	0.72	-6.1%	
PCB-195 22'33'44'56'-OcCB	43.23	3.54E+05	0.94 Y	0.80	0.73	-9.0%	
PCB-194 22'33'44'55'-OcCB	45.18	4.10E+05	0.94 Y	0.87	0.84	-3.6%	
PCB-205 233'44'556'-OcCB	45.58	4.98E+05	0.88 Y	1.09	1.02	-6.0%	
PCB-208 22'33'455'66'-NoCB	43.04	4.58E+05	0.80 Y	1.02	0.96	-6.0%	
PCB-207 22'33'44'566'-NoCB	43.82	4.79E+05	0.79 Y	1.06	1.00	-5.3%	
PCB-206 22'33'44'556'-NoCB	47.03	3.13E+05	0.74 Y	0.98	0.90	-8.3%	

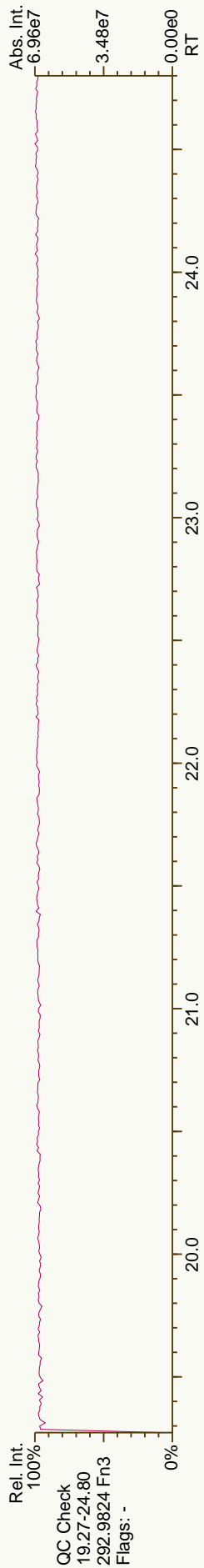
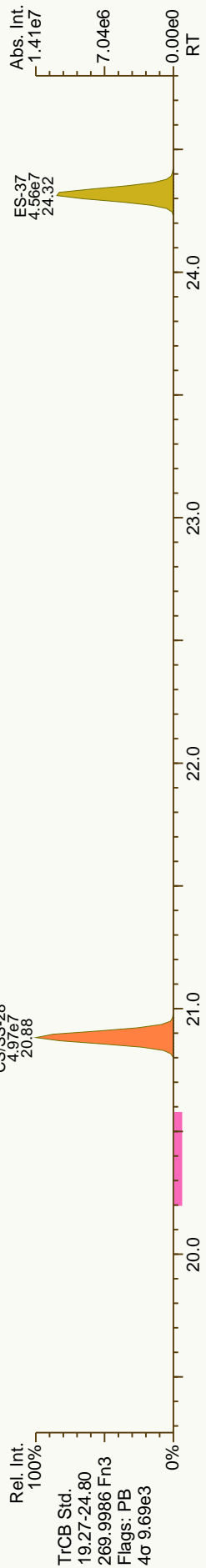
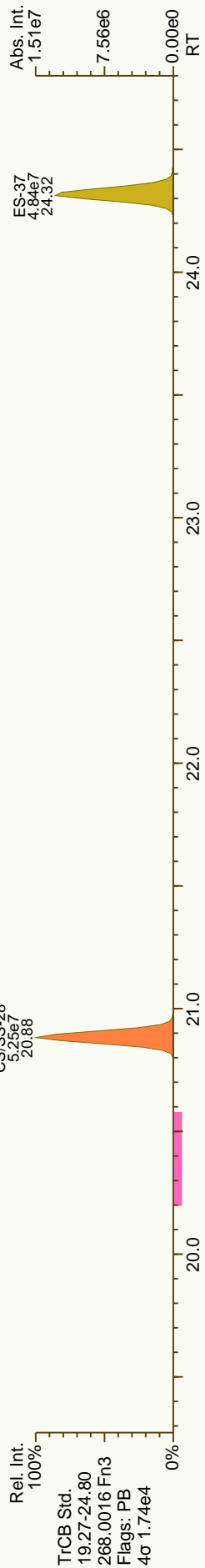
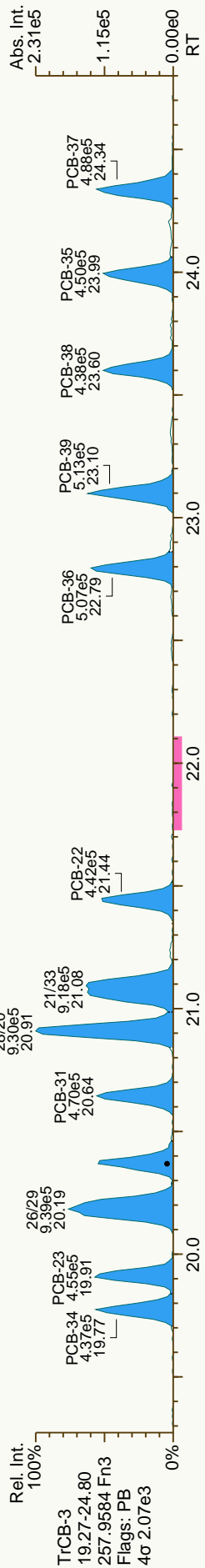
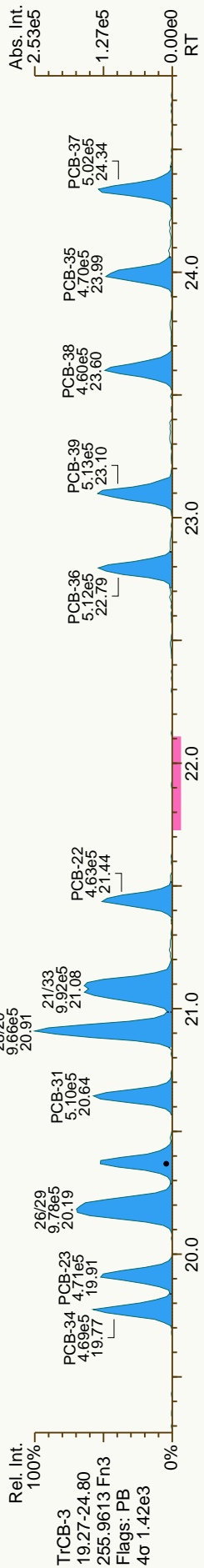


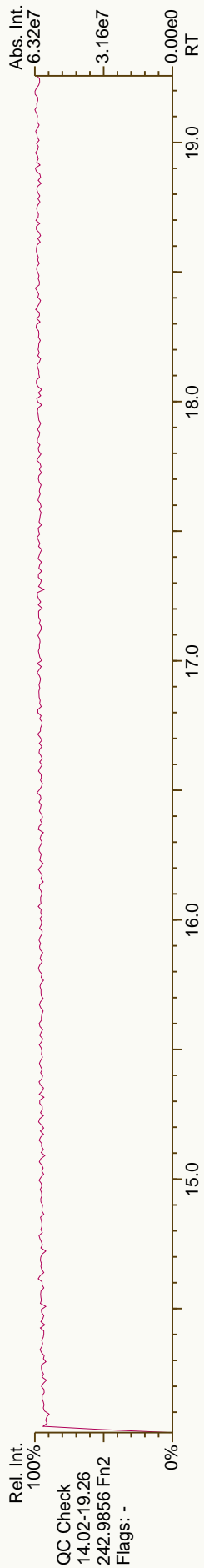
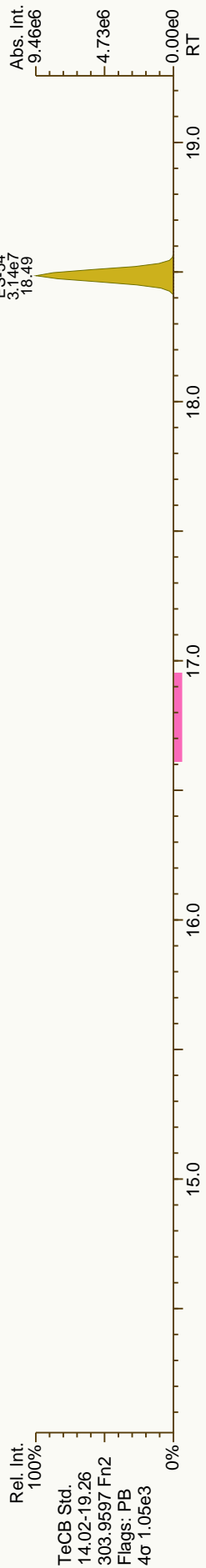
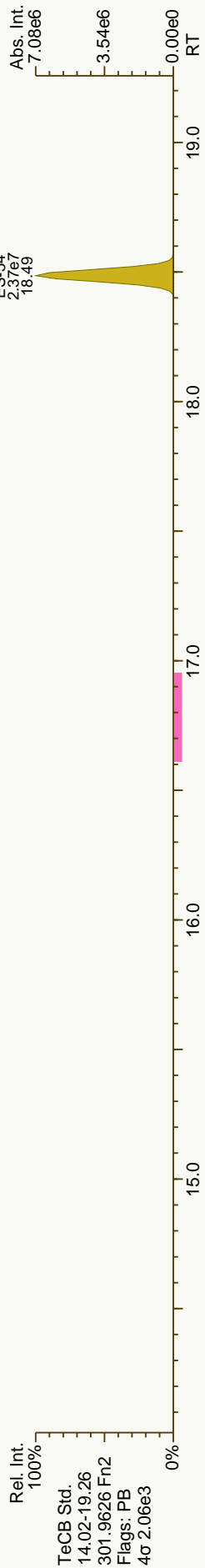
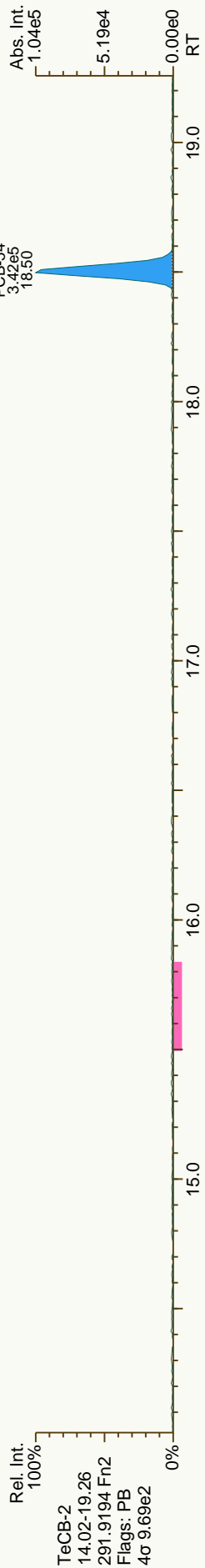
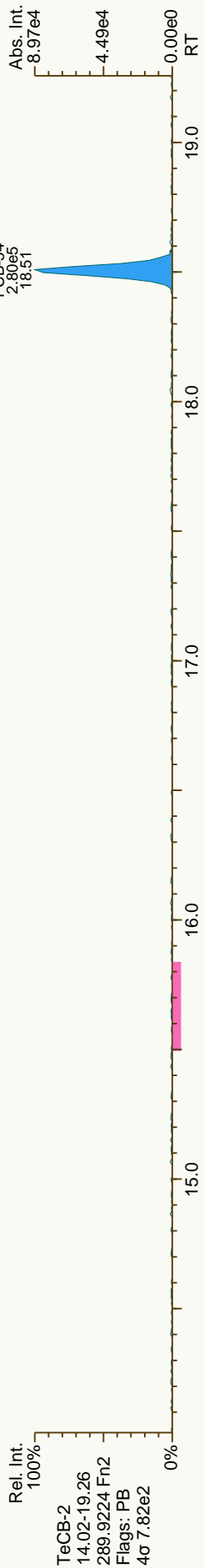


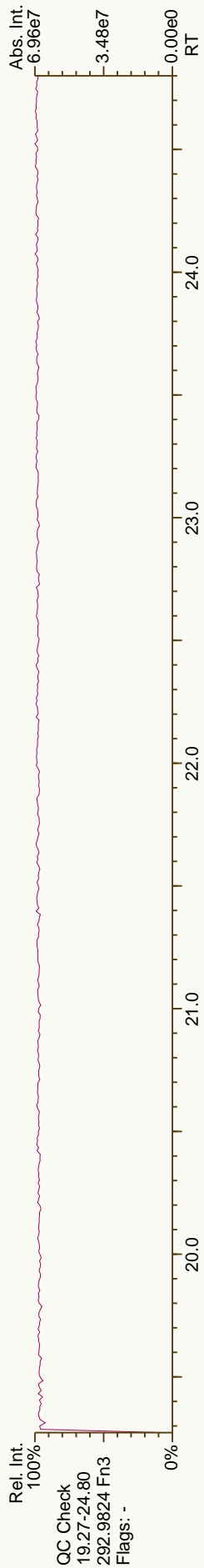
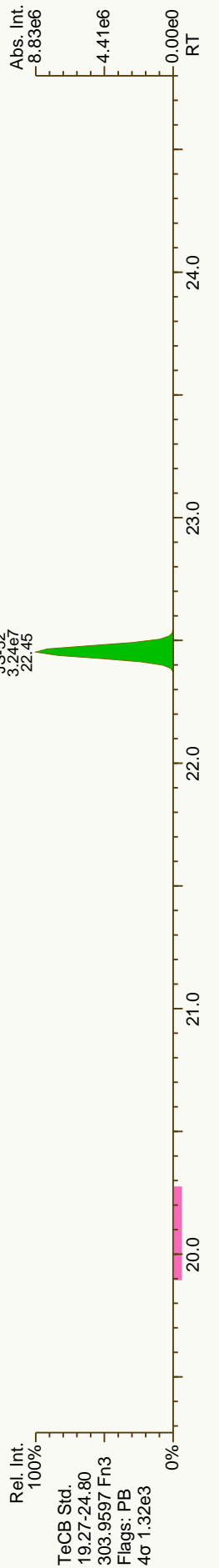
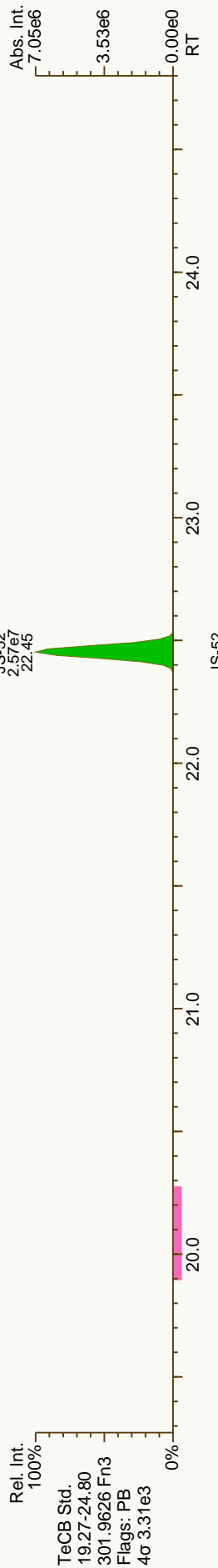
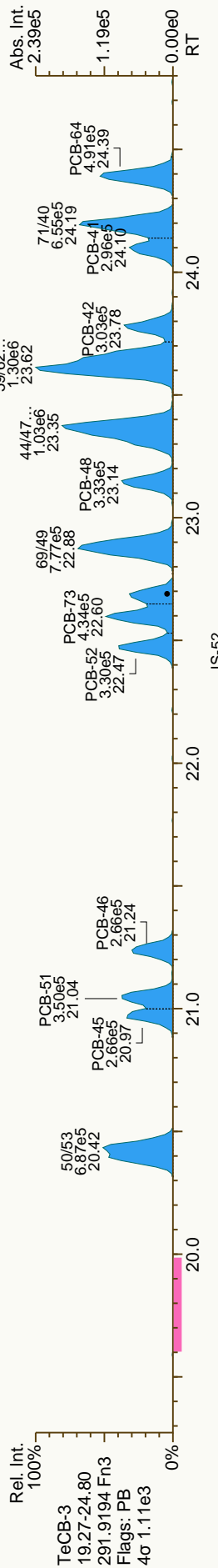
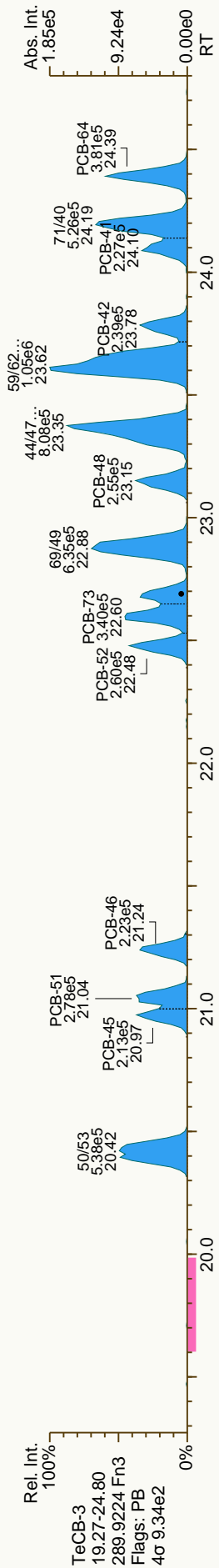


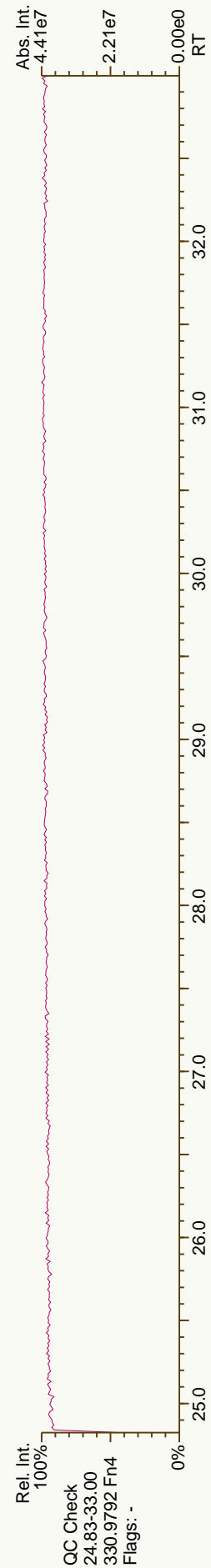
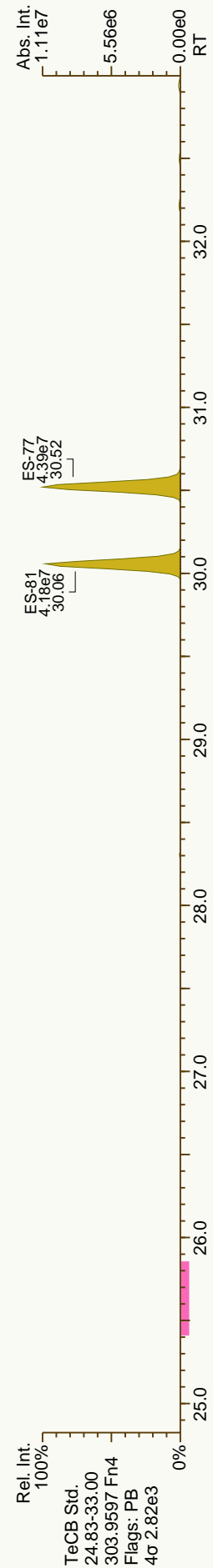
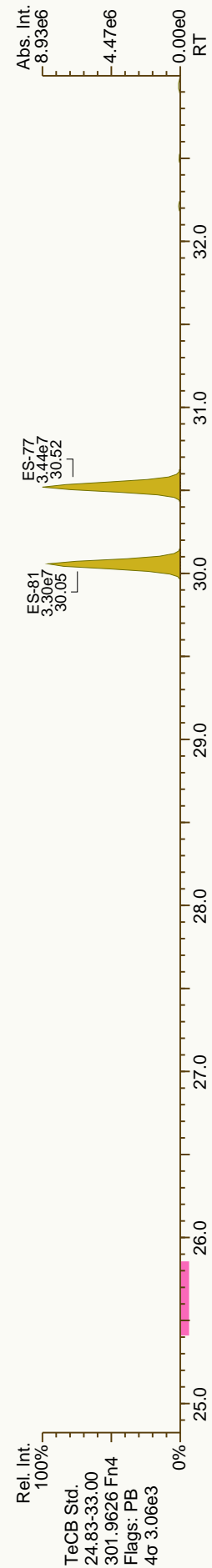
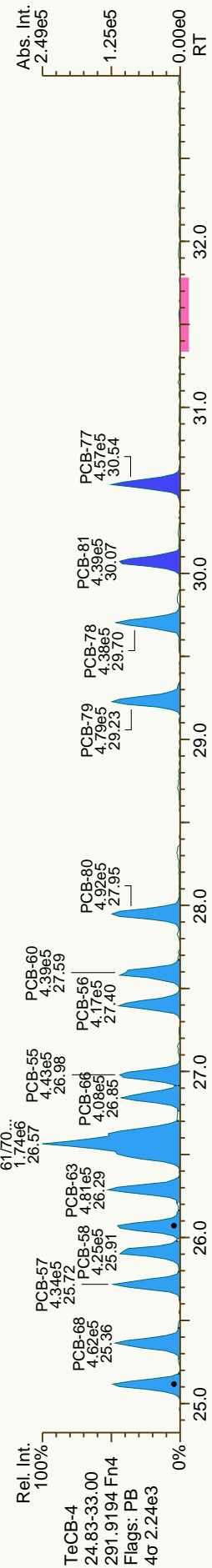
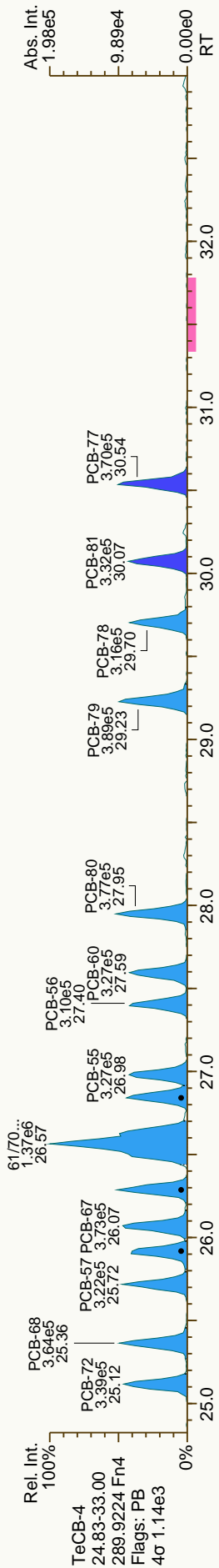


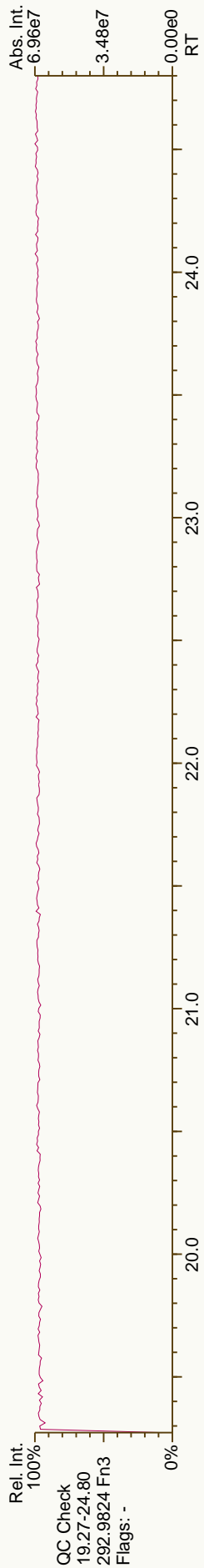
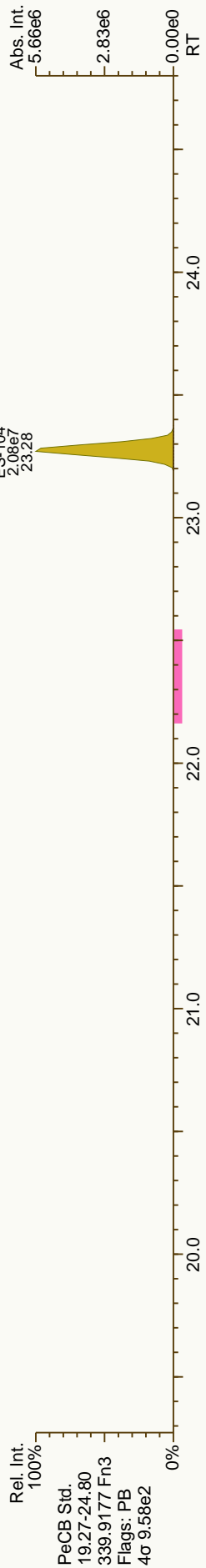
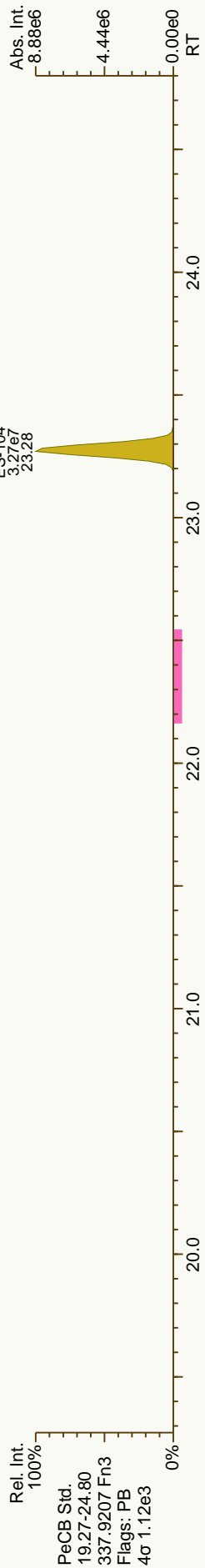
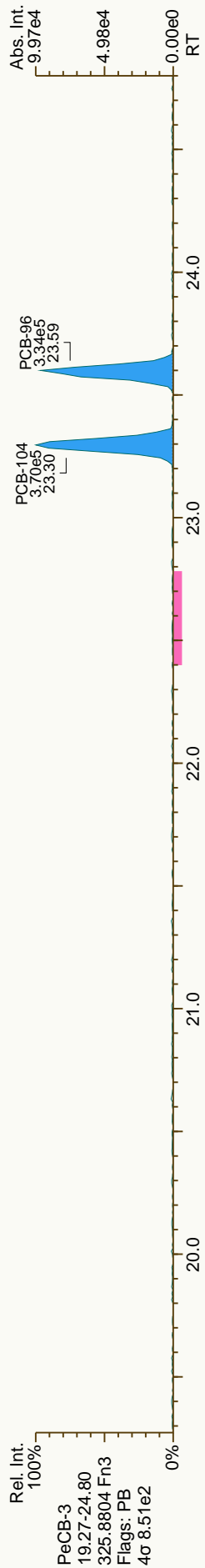


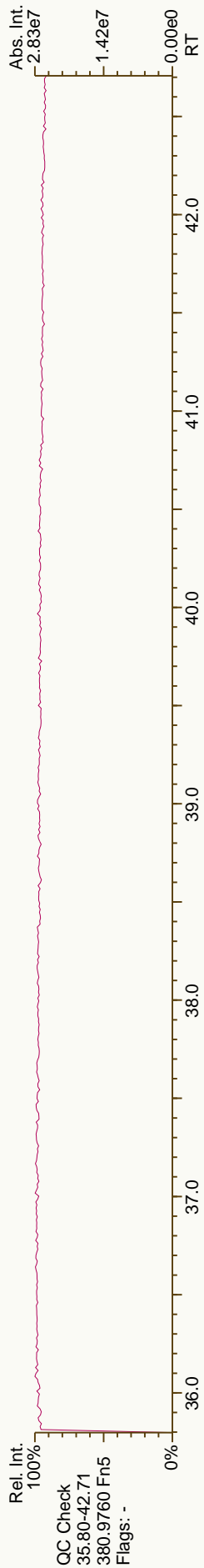
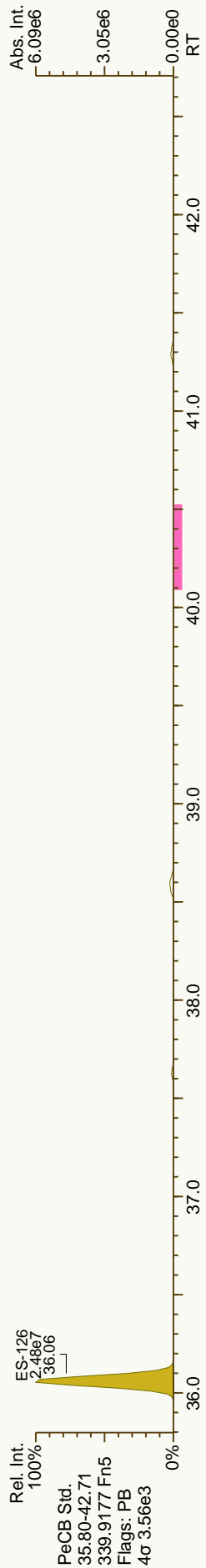
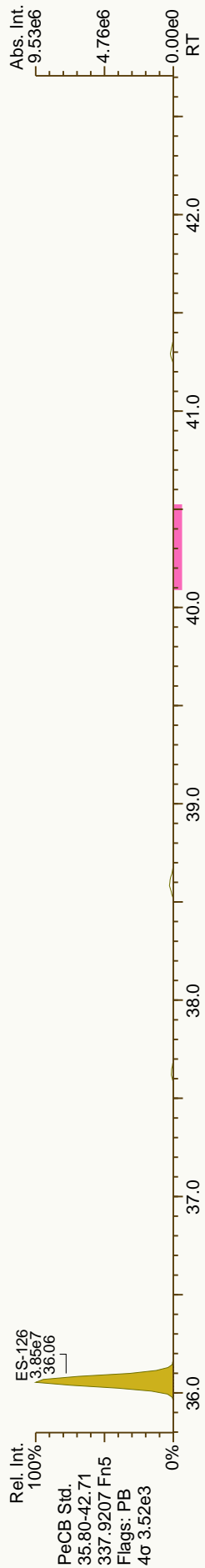
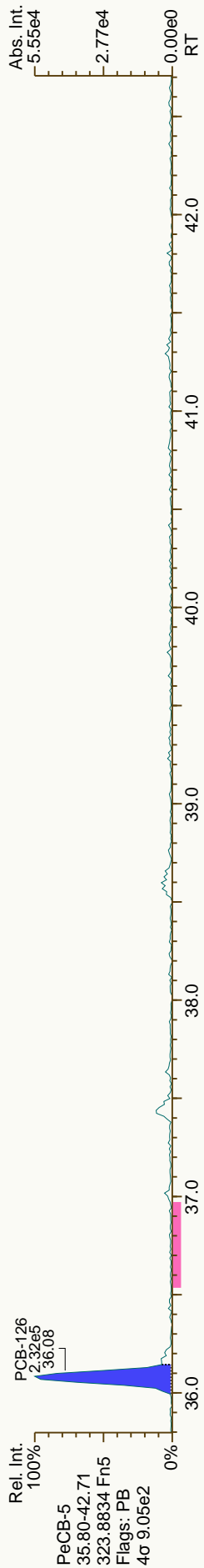


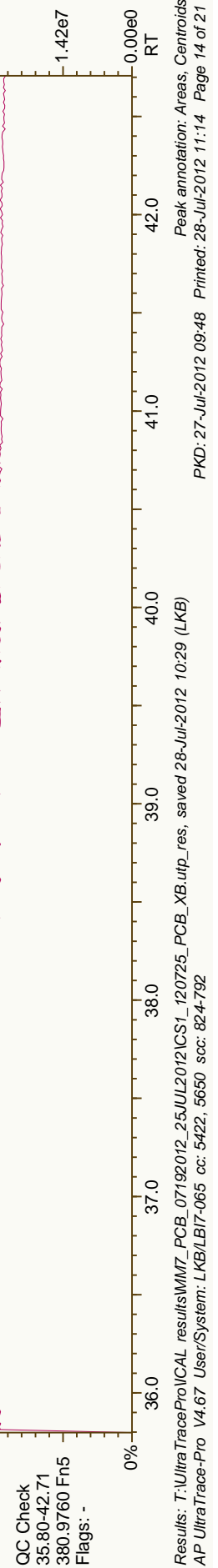
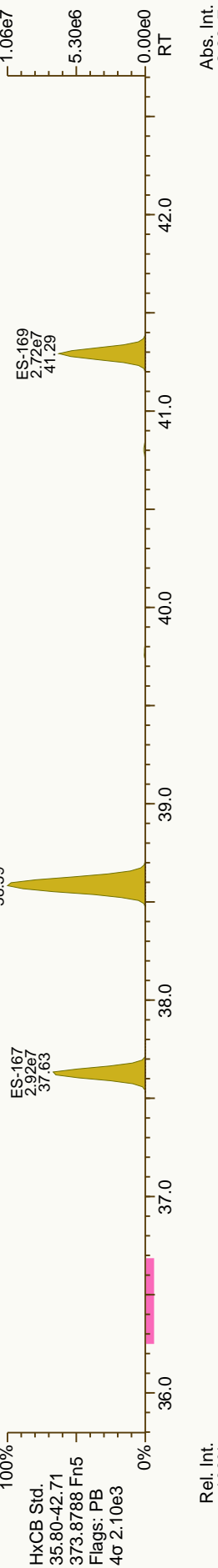
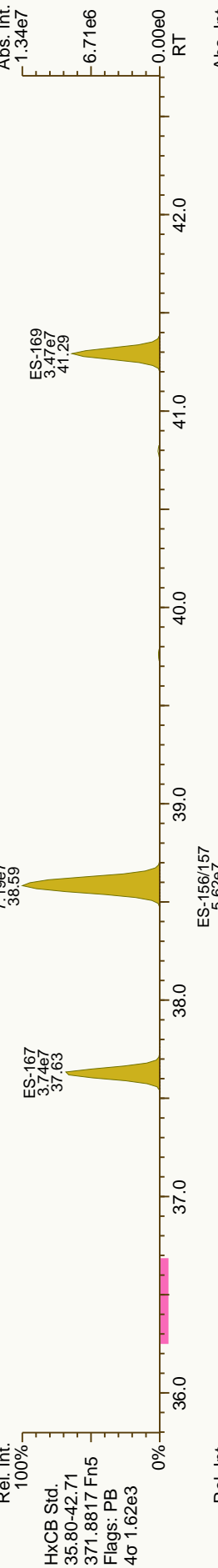
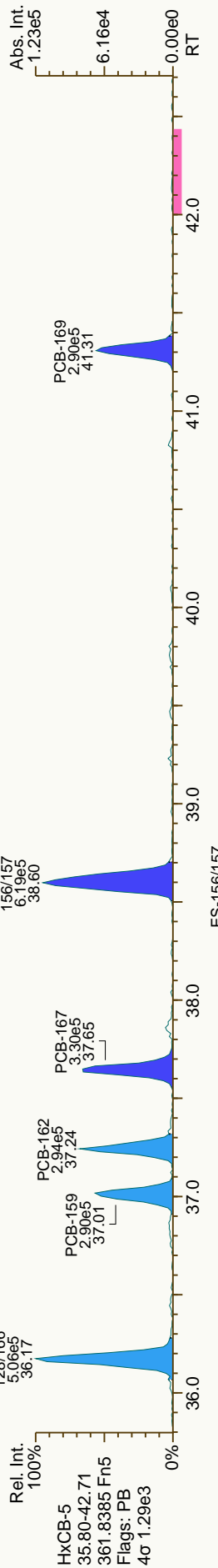
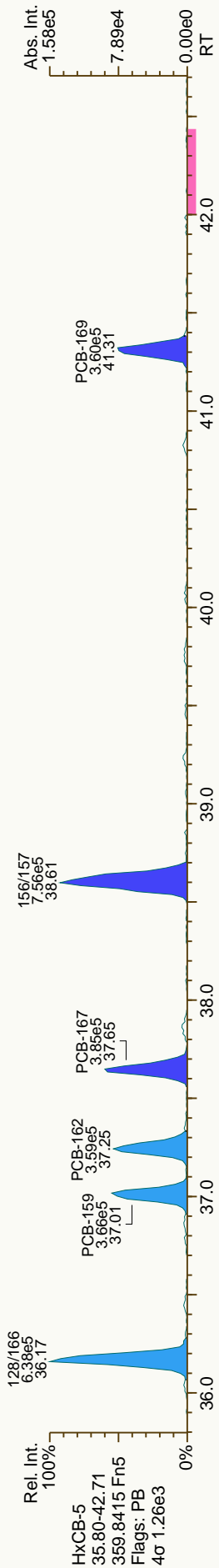


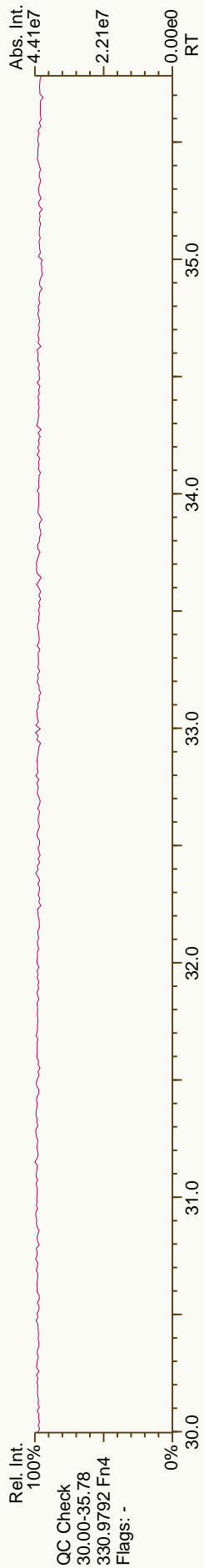
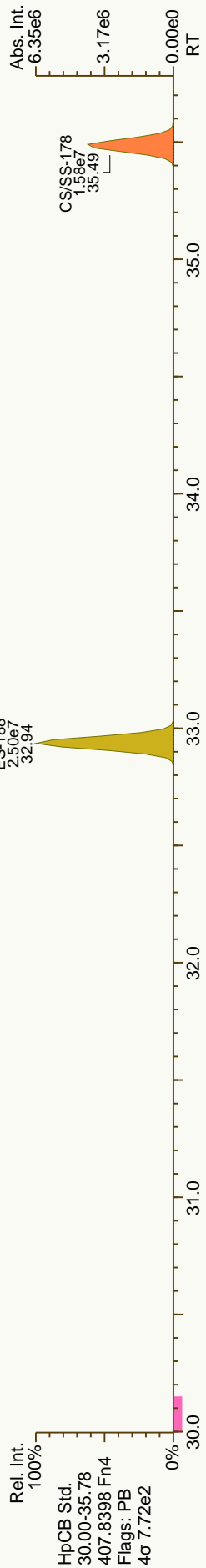
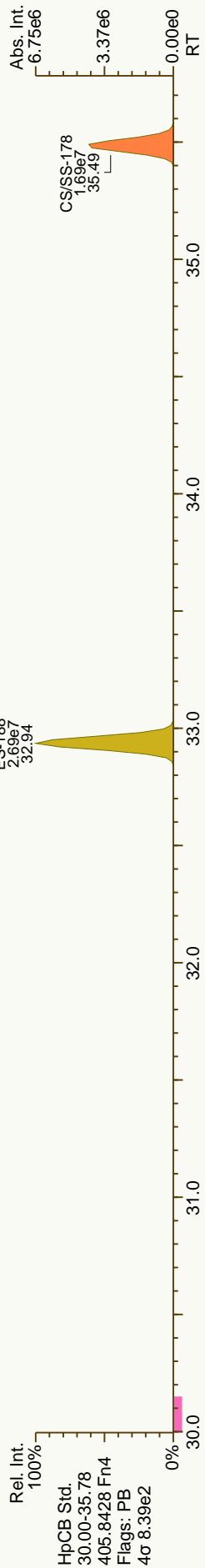
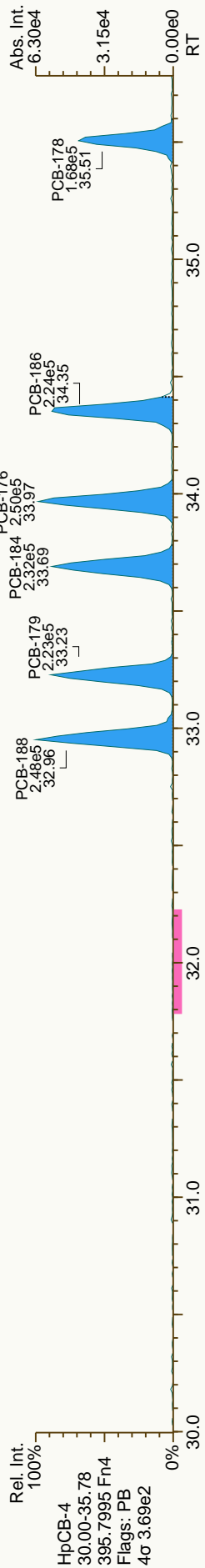
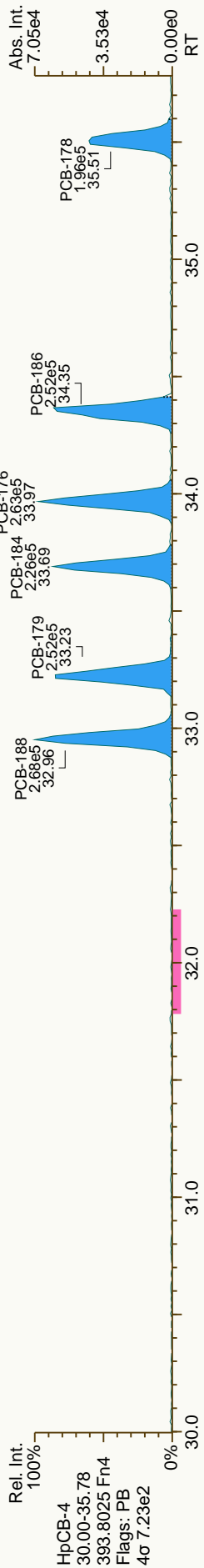


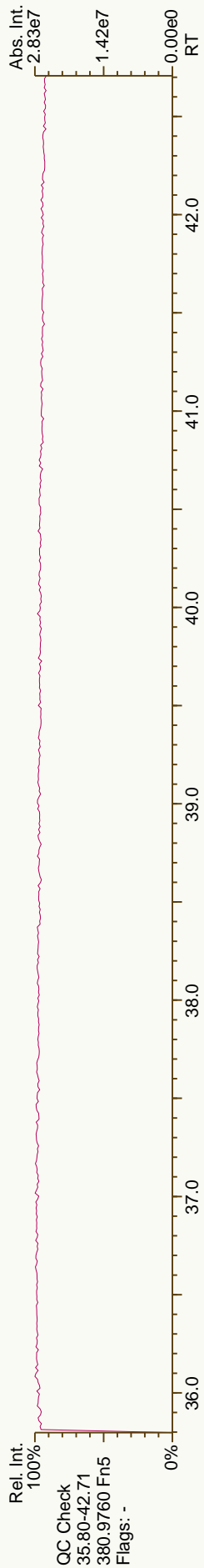
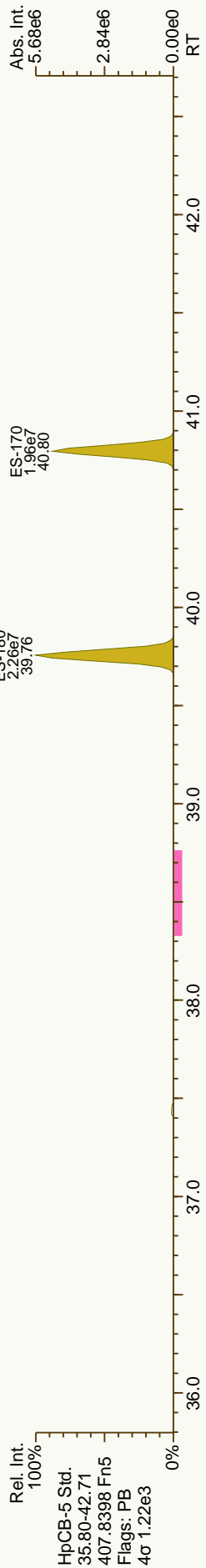
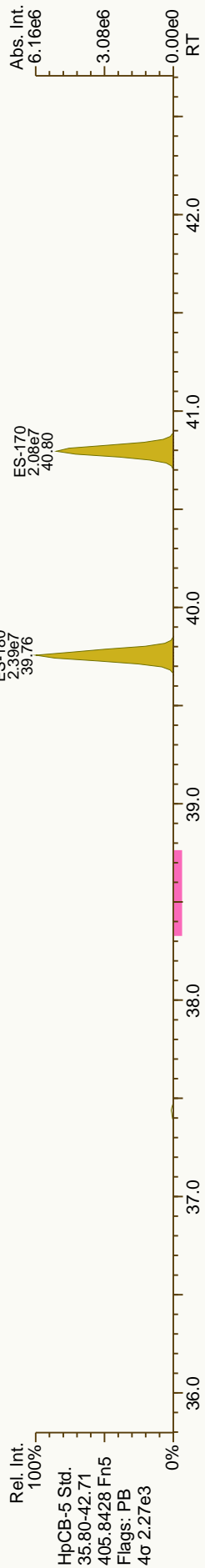
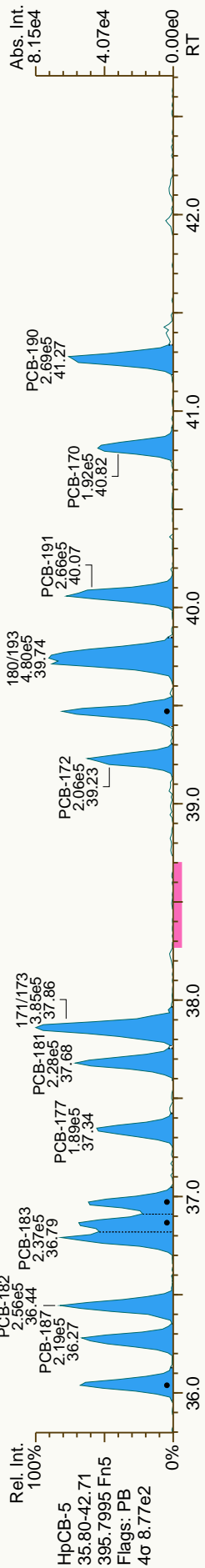
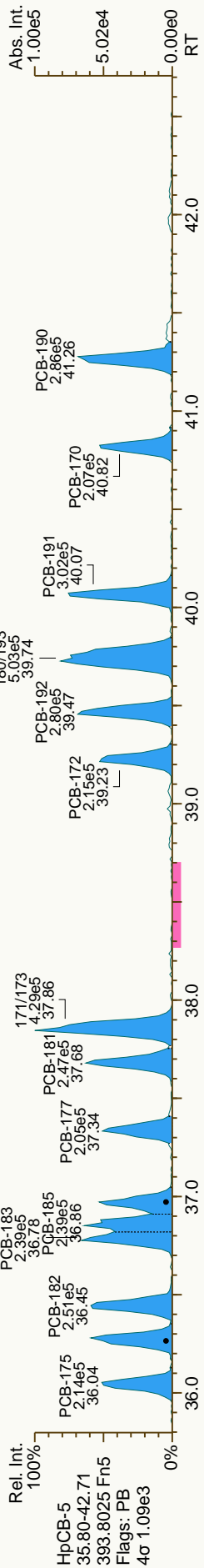


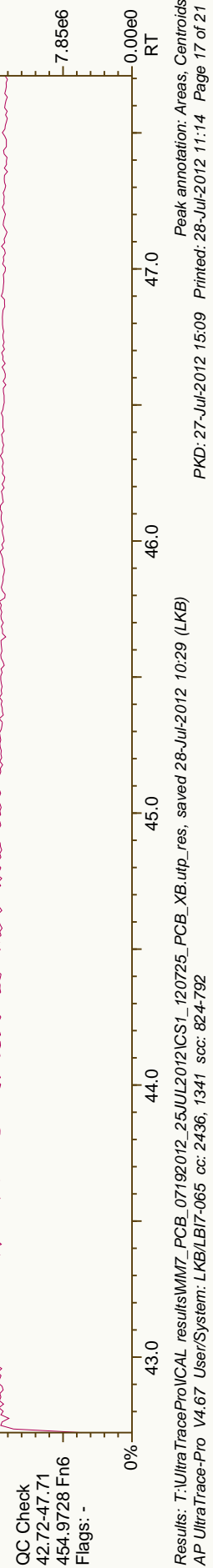
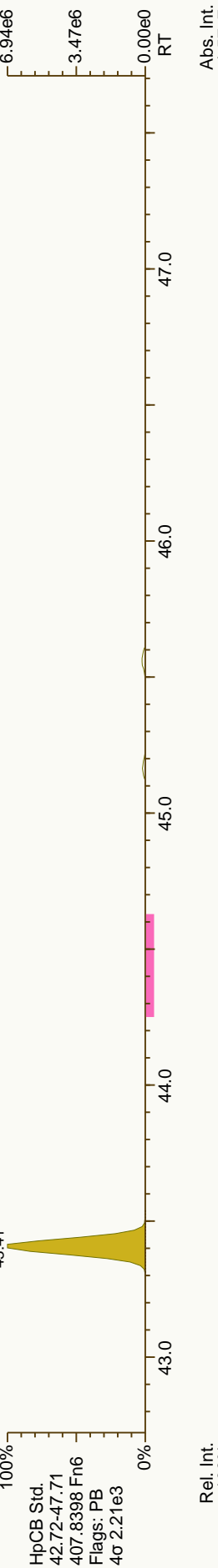
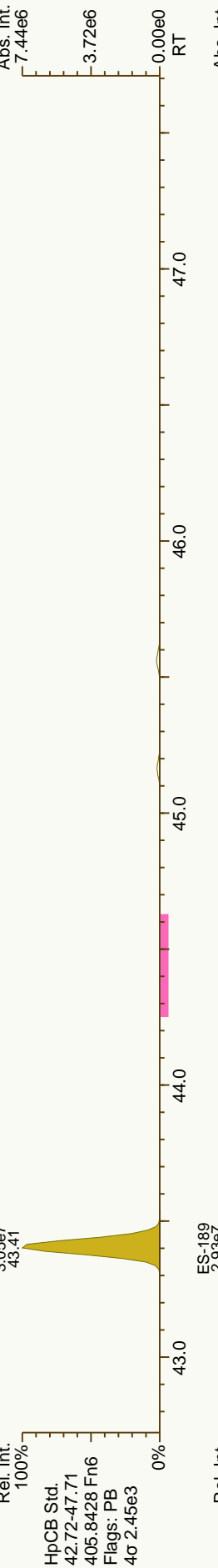
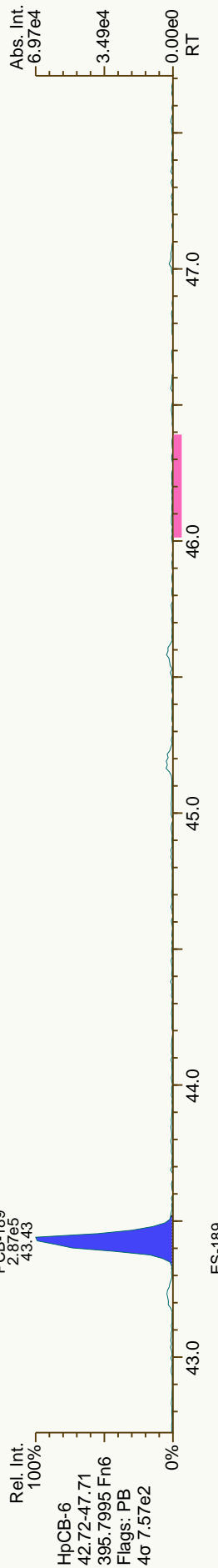
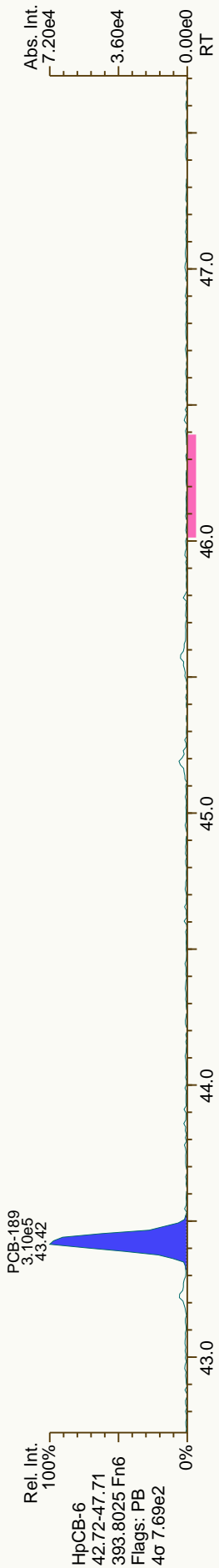


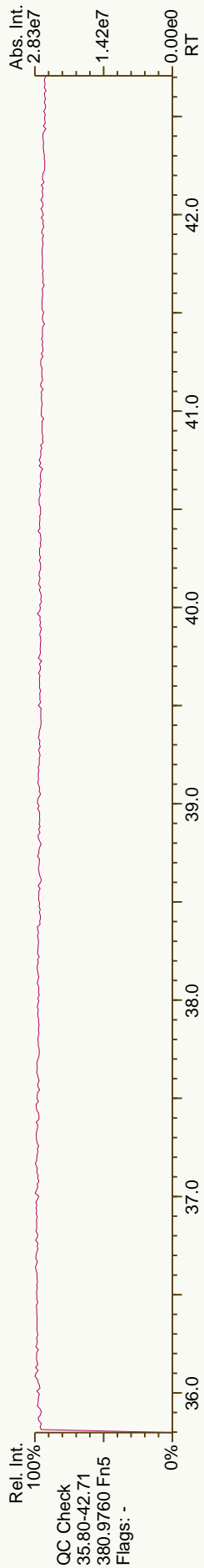
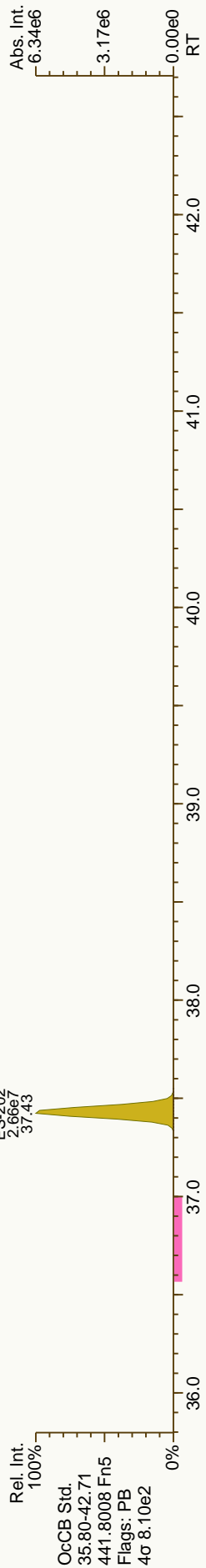
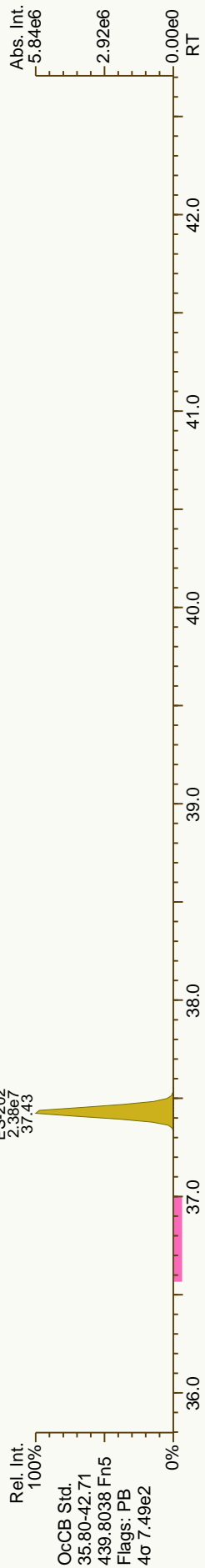
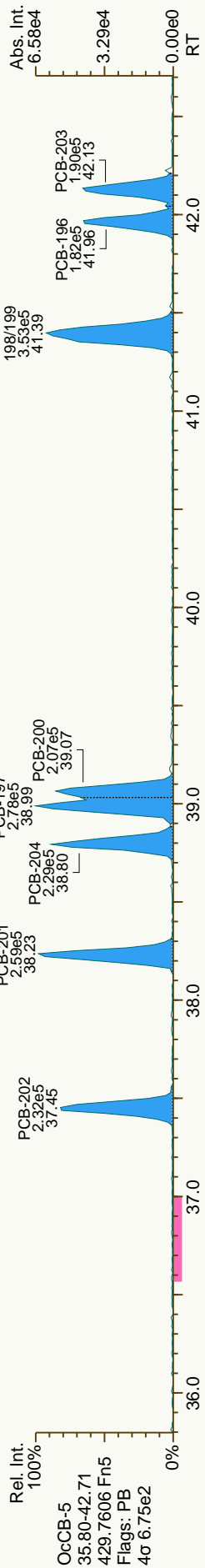
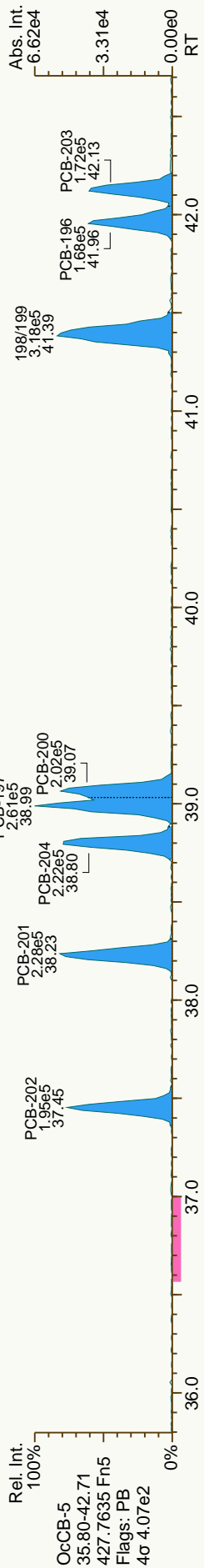


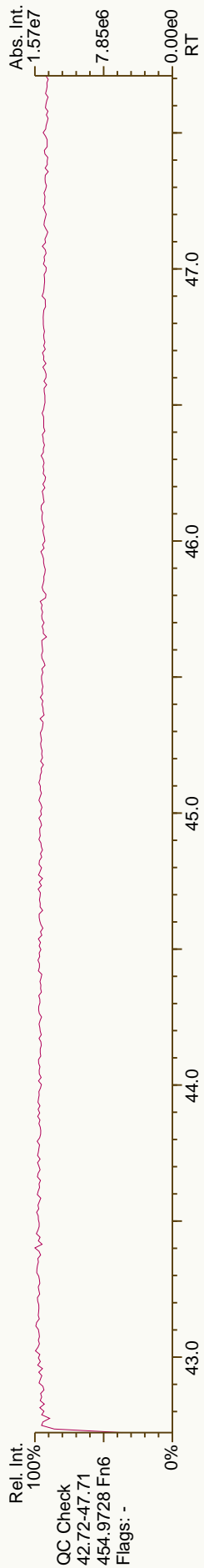
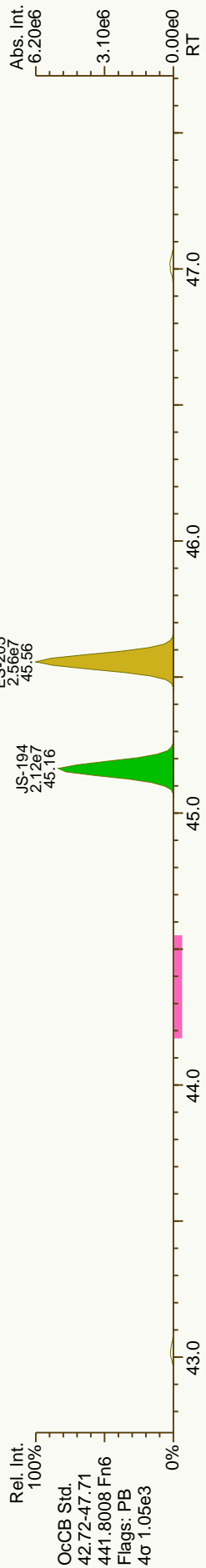
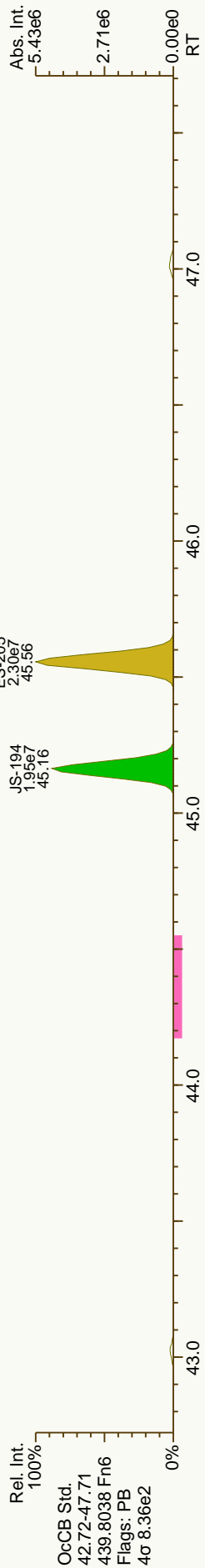
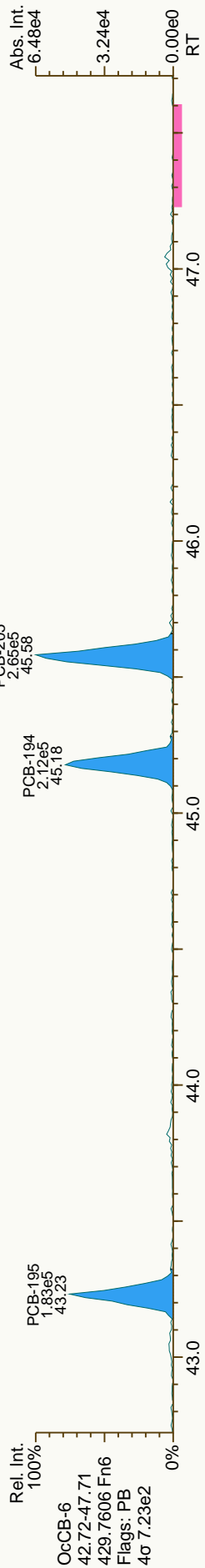
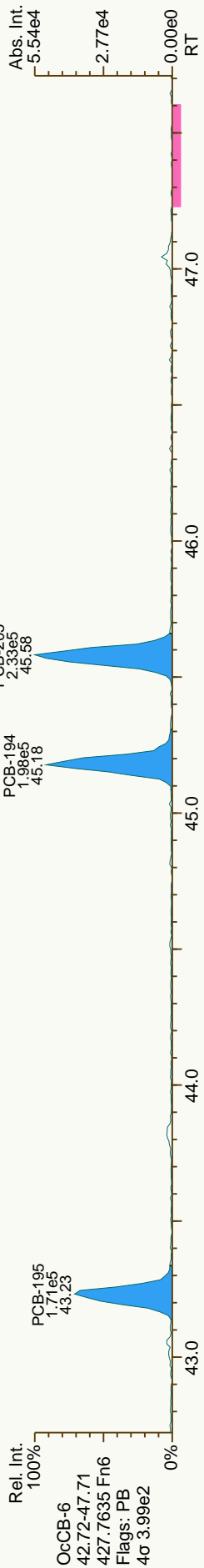


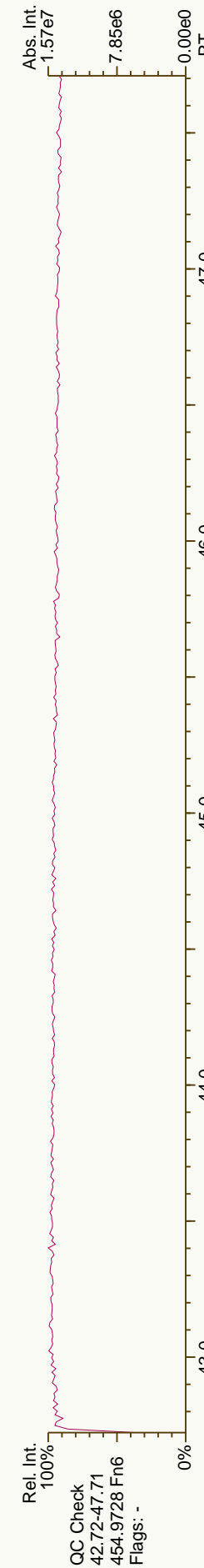
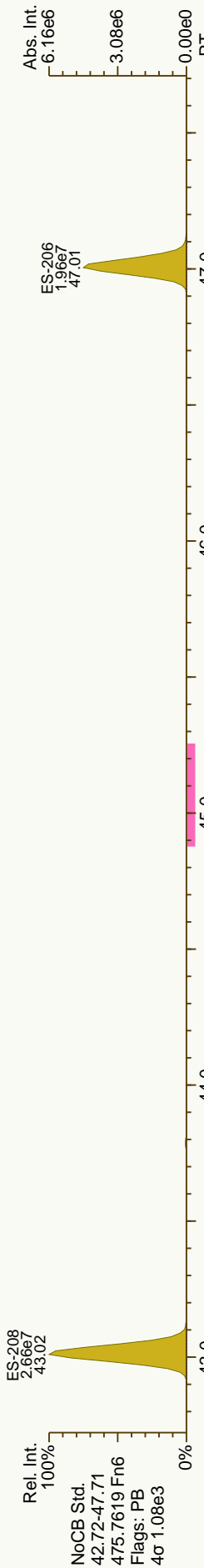
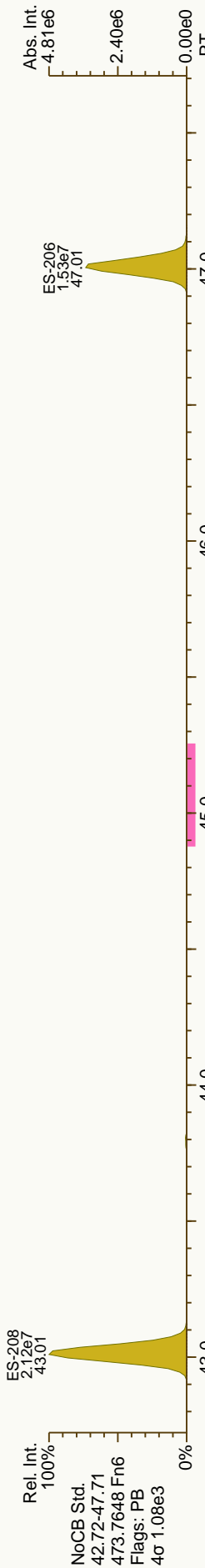
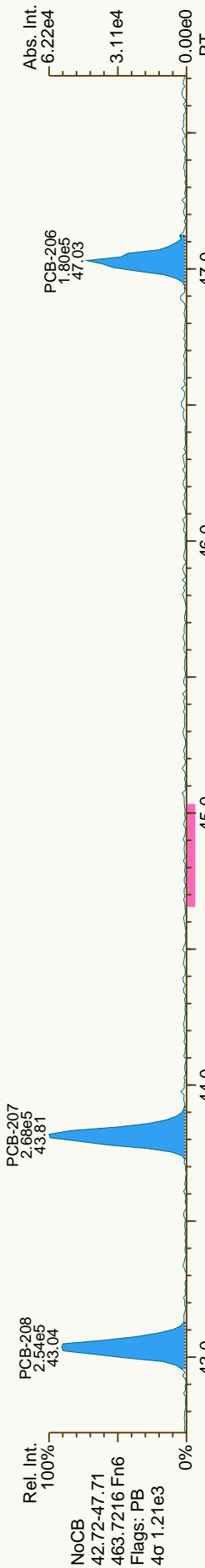
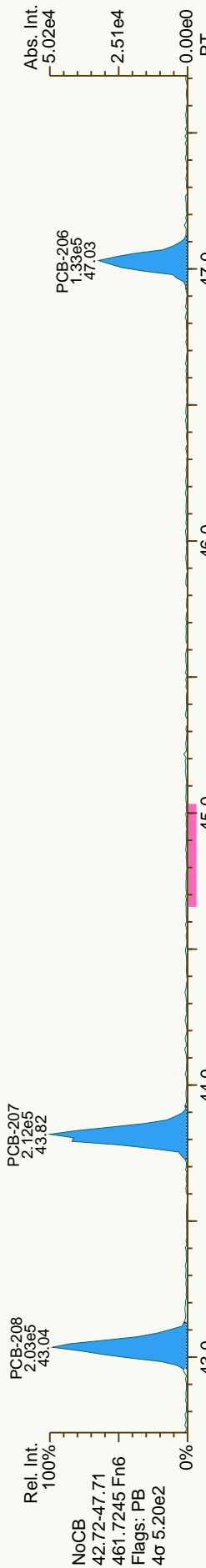


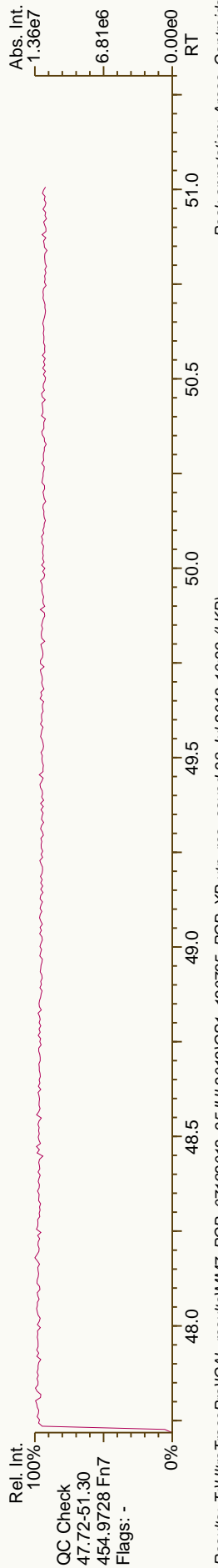
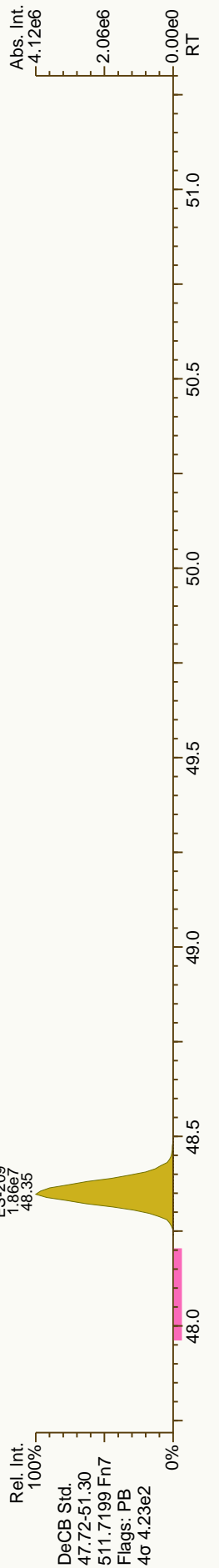
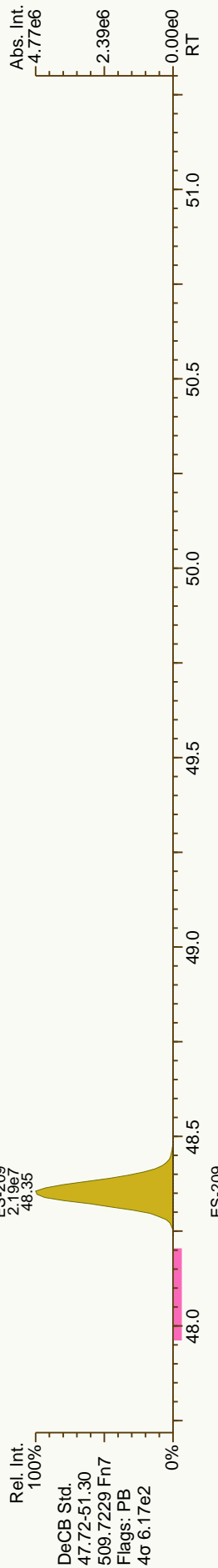
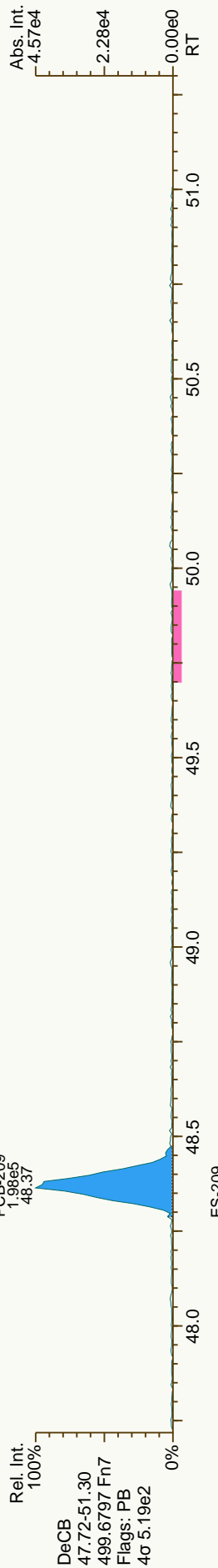
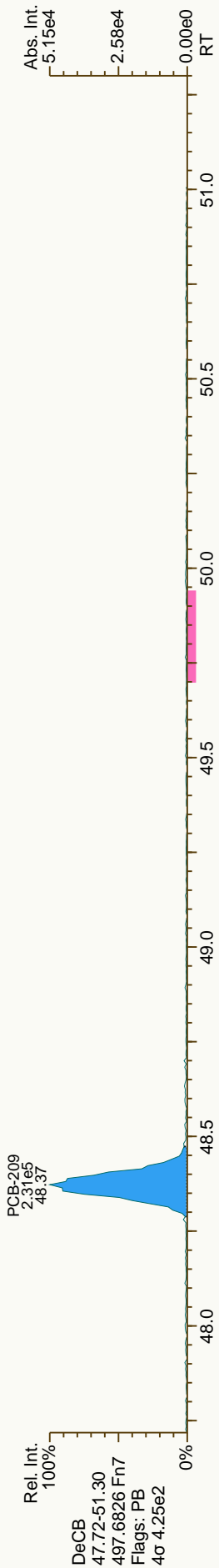












PCB QC Summary **SGS Analytical Perspectives** **Printed: 28-Jul-2012 10:13**

Lab ID: CS2_120725_PCB_XB
 Acquired: 26-JUL-2012 04:44
 Datafile: 120725X17

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	30.55	4.14E+06	0.79 Y	1.13	1.09	-4.2%
PCB-81 344'5'-TeCB	30.08	3.94E+06	0.78 Y	1.13	1.09	-3.5%
PCB-105 233'44'-PeCB	33.50	3.47E+06	0.61 Y	1.09	1.06	-3.1%
PCB-114 2344'5'-PeCB	32.97	3.76E+06	0.61 Y	1.16	1.13	-2.5%
PCB-118 23'44'5'-PeCB	32.52	3.50E+06	0.62 Y	1.11	1.03	-6.6%
PCB-123 2'344'5'-PeCB	32.24	3.79E+06	0.61 Y	1.19	1.19	-0.1%
PCB-126 33'44'5'-PeCB	36.09	3.28E+06	0.64 Y	1.06	1.04	-2.3%
PCB-156/157 233'44'5'/233'44'5'	38.61	6.77E+06	1.26 Y	1.11	1.07	-3.0%
PCB-167 23'44'55'-HxCB	37.66	3.61E+06	1.27 Y	1.14	1.11	-2.0%
PCB-169 33'44'55'-HxCB	41.32	3.32E+06	1.26 Y	1.11	1.10	-1.0%
PCB-189 233'44'55'-HpCB	43.44	2.96E+06	1.10 Y	1.06	1.02	-3.5%
PCB-209 DeCB	48.38	2.04E+06	1.17 Y	1.07	1.03	-4.2%
ES PCB-1	10.65	1.12E+08	3.14 Y	1.08	1.07	-0.6%
ES PCB-3	12.71	1.12E+08	3.20 Y	1.08	1.07	-1.1%
ES PCB-4	12.93	5.11E+07	1.58 Y	0.49	0.49	0.5%
ES PCB-15	18.25	1.14E+08	1.58 Y	1.11	1.10	-1.3%
ES PCB-19	15.76	5.84E+07	1.07 Y	0.55	0.56	1.2%
ES PCB-37	24.33	9.15E+07	1.06 Y	1.64	1.62	-0.9%
ES PCB-54	18.50	5.45E+07	0.77 Y	0.94	0.97	2.7%
ES PCB-77	30.53	7.63E+07	0.79 Y	1.35	1.35	0.4%
ES PCB-81	30.06	7.24E+07	0.79 Y	1.29	1.28	-0.3%
ES PCB-104	23.29	5.25E+07	1.56 Y	0.99	1.00	0.5%
ES PCB-105	33.47	6.54E+07	1.59 Y	1.23	1.24	0.8%
ES PCB-114	32.94	6.65E+07	1.60 Y	1.25	1.26	1.3%
ES PCB-118	32.49	6.77E+07	1.61 Y	1.28	1.29	0.4%
ES PCB-123	32.22	6.38E+07	1.58 Y	1.22	1.21	-0.4%
ES PCB-126	36.07	6.33E+07	1.61 Y	1.20	1.20	0.3%
ES PCB-153	34.07	5.02E+07	1.26 Y	1.14	1.15	0.5%
ES PCB-155	28.14	6.54E+07	1.29 Y	1.50	1.50	0.0%
ES PCB-156/157	38.60	1.26E+08	1.28 Y	1.45	1.44	-0.9%
ES PCB-167	37.64	6.48E+07	1.26 Y	1.49	1.48	-0.8%
ES PCB-169	41.30	6.05E+07	1.26 Y	1.40	1.38	-1.6%
ES PCB-170	40.81	3.95E+07	1.05 Y	1.00	0.99	-0.8%
ES PCB-180	39.76	4.54E+07	1.06 Y	1.16	1.14	-1.3%
ES PCB-188	32.95	5.11E+07	1.07 Y	1.18	1.17	-0.8%
ES PCB-189	43.42	5.81E+07	1.02 Y	1.49	1.46	-1.7%
ES PCB-202	37.44	4.95E+07	0.90 Y	1.14	1.13	-0.4%
ES PCB-205	45.57	4.72E+07	0.90 Y	1.20	1.19	-1.0%
ES PCB-206	47.02	3.42E+07	0.79 Y	0.87	0.86	-0.9%
ES PCB-208	43.02	4.70E+07	0.80 Y	1.19	1.18	-0.6%
ES PCB-209	48.36	3.96E+07	1.19 Y	1.00	1.00	-0.5%

PCB QC Summary **SGS Analytical Perspectives** **Printed: 28-Jul-2012 10:13**

Lab ID: Cs2_120725_PCB_XB ICAL: MM7_PCB_07132012_25JUL12
 Acquired: 26-JUL-2012 04:44
 Datafile: 120725X17

Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	20.89	9.87E+07	1.05 Y	1.07	1.08	0.4%
SS PCB-111	30.58	6.46E+07	1.61 Y	1.01	1.01	0.6%
SS PCB-178	35.50	3.27E+07	1.07 Y	0.63	0.64	1.9%
CS PCB-28	20.89	9.87E+07	1.05 Y	1.76	1.75	-0.5%
CS PCB-111	30.58	6.46E+07	1.61 Y	1.23	1.23	0.2%
CS PCB-178	35.50	3.27E+07	1.07 Y	0.74	0.75	1.1%
JS PCB-9	14.75	1.04E+08	1.58 Y	-	-	-
JS PCB-52	22.46	5.64E+07	0.80 Y	-	-	-
JS PCB-101	28.31	5.26E+07	1.57 Y	-	-	-
JS PCB-138	35.11	4.37E+07	1.27 Y	-	-	-
JS PCB-194	45.17	3.97E+07	0.91 Y	-	-	-
PCB-1 2-MoCB	10.66	5.68E+06	3.23 Y	1.03	1.01	-1.7%
PCB-3 4-MoCB	12.72	5.62E+06	3.25 Y	1.04	1.01	-3.4%
PCB-4 22'-DiCB	12.94	2.89E+06	1.56 Y	1.17	1.13	-3.3%
PCB-15 44'-DiCB	18.26	5.95E+06	1.63 Y	1.08	1.04	-3.7%
PCB-19 22'6'-TrCB	15.78	3.04E+06	1.06 Y	1.09	1.04	-4.9%
PCB-37 344'-TrCB	24.35	4.85E+06	1.05 Y	1.10	1.06	-4.1%
PCB-54 22'66'-TeCB	18.52	3.18E+06	0.78 Y	1.21	1.17	-3.4%
PCB-104 22'466'-PeCB	23.31	3.23E+06	0.63 Y	1.25	1.23	-1.9%
PCB-153 22'44'55'-HxCB	34.12	5.75E+06	1.25 Y	1.22	1.15	-6.0%
PCB-155 22'44'66'-HxCB	28.16	3.41E+06	1.29 Y	1.09	1.04	-4.4%
PCB-170 22'33'44'5'-HpCB	40.83	2.06E+06	1.09 Y	1.07	1.04	-2.8%
PCB-180 22'344'55'-HpCB	39.75	5.17E+06	1.04 Y	1.16	1.14	-1.6%
PCB-188 22'34'566'-HpCB	32.97	2.62E+06	1.10 Y	1.03	1.02	-0.9%
PCB-202 22'33'55'66'-OcCB	37.46	2.20E+06	0.92 Y	0.91	0.89	-2.7%
PCB-205 233'44'55'6'-OcCB	45.59	2.46E+06	0.91 Y	1.09	1.04	-4.2%
PCB-208 22'33'455'66'-NoCB	43.05	2.30E+06	0.75 Y	1.02	0.98	-3.8%
PCB-206 22'33'44'55'6'-NoCB	47.04	1.63E+06	0.75 Y	0.98	0.95	-2.8%

PCB QC Summary - Ax2 Detail

Lab ID: CS2_120725_PCB_XB
 Acquired: 26-JUL-2012 04:44
 Datafile: 120725X17

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.66	5.68E+06	3.23 Y	1.03	1.01	-1.7%
PCB-2 3-MoCB	12.55	5.71E+06	3.28 Y	1.04	1.02	-1.8%
PCB-3 4-MoCB	12.72	5.62E+06	3.25 Y	1.04	1.01	-3.4%
PCB-4 22'-DiCB	12.94	2.89E+06	1.56 Y	1.17	1.13	-3.3%
PCB-10 26-DiCB	13.11	4.57E+06	1.56 Y	1.83	1.79	-2.5%
PCB-9 25-DiCB	14.77	5.02E+06	1.62 Y	0.89	0.88	-1.7%
PCB-7 24-DiCB	14.92	5.75E+06	1.59 Y	1.02	1.01	-1.8%
PCB-6 23'-DiCB	15.13	5.30E+06	1.65 Y	0.95	0.93	-2.2%
PCB-5 23-DiCB	15.41	5.38E+06	1.62 Y	0.97	0.94	-3.2%
PCB-8 24'-DiCB	15.52	5.61E+06	1.62 Y	0.98	0.98	-0.1%
PCB-14 35-DiCB	16.99	6.45E+06	1.64 Y	1.16	1.13	-2.4%
PCB-11 33'-DiCB	17.72	5.59E+06	1.59 Y	1.00	0.98	-2.0%
PCB-13/12 34'-/34-DiCB	17.99	1.13E+07	1.57 Y	1.02	0.99	-2.9%
PCB-15 44'-DiCB	18.26	5.95E+06	1.63 Y	1.08	1.04	-3.7%
PCB-19 22'6'-TrCB	15.78	3.04E+06	1.06 Y	1.09	1.04	-4.9%
PCB-30/18 246-/22'5'-TrCB	17.44	8.35E+06	1.09 Y	1.46	1.43	-2.1%
PCB-17 22'4'-TrCB	17.82	3.50E+06	1.09 Y	1.25	1.20	-4.3%
PCB-27 23'6'-TrCB	18.00	4.67E+06	1.09 Y	1.69	1.60	-5.5%
PCB-24 236'-TrCB	18.13	4.70E+06	1.09 Y	1.63	1.61	-1.5%
PCB-16 22'3'-TrCB	18.21	2.60E+06	1.07 Y	0.95	0.89	-6.6%
PCB-32 24'6'-TrCB	18.67	5.03E+06	1.06 Y	1.79	1.72	-3.7%
PCB-34 2'35'-TrCB	19.78	4.70E+06	1.07 Y	1.05	1.03	-1.9%
PCB-23 235'-TrCB	19.92	4.72E+06	1.02 Y	1.06	1.03	-2.5%
PCB-26/29 23'5'-/245'-TrCB	20.20	9.79E+06	1.05 Y	1.09	1.07	-1.4%
PCB-25 23'4'-TrCB	20.38	4.78E+06	1.05 Y	1.07	1.04	-2.8%
PCB-31 24'5'-TrCB	20.65	4.93E+06	1.03 Y	1.11	1.08	-3.0%
PCB-28/20 244'-/233'-TrCB	20.92	9.53E+06	1.05 Y	1.07	1.04	-2.4%
PCB-21/33 234'-/2'34'-TrCB	21.09	9.67E+06	1.03 Y	1.09	1.06	-3.2%
PCB-22 234'-TrCB	21.45	4.48E+06	1.05 Y	1.02	0.98	-3.6%
PCB-36 33'5'-TrCB	22.80	4.93E+06	1.05 Y	1.13	1.08	-4.3%
PCB-39 34'5'-TrCB	23.11	5.20E+06	1.08 Y	1.17	1.14	-2.5%
PCB-38 345'-TrCB	23.61	4.65E+06	1.04 Y	1.03	1.02	-1.5%
PCB-35 334'-TrCB	24.00	4.58E+06	1.02 Y	1.04	1.00	-3.7%
PCB-37 344'-TrCB	24.35	4.85E+06	1.05 Y	1.10	1.06	-4.1%
PCB-54 22'66'-TeCB	18.52	3.18E+06	0.78 Y	1.21	1.17	-3.4%
PCB-50/53 22'46-/22'56'-TeCB	20.43	5.99E+06	0.79 Y	0.86	0.83	-3.3%
PCB-45 22'36'-TeCB	20.98	2.52E+06	0.77 Y	0.73	0.70	-4.5%
PCB-51 22'46'-TeCB	21.05	3.15E+06	0.78 Y	0.88	0.87	-1.0%
PCB-46 22'36'-TeCB	21.25	2.43E+06	0.78 Y	0.70	0.67	-3.3%
PCB-52 22'55'-TeCB	22.49	2.99E+06	0.80 Y	0.84	0.83	-1.9%
PCB-73 23'56'-TeCB	22.61	3.63E+06	0.78 Y	1.09	1.00	-7.8%
PCB-43 22'35'-TeCB	22.69	2.63E+06	0.80 Y	0.72	0.73	0.6%
PCB-69/49 23'46-/22'45'-TeCB	22.89	7.17E+06	0.79 Y	1.01	0.99	-2.2%

PCB QC Summary - Ax2 Detail

Lab ID: CS2_120725_PCB_XB
 Acquired: 26-JUL-2012 04:44
 Datafile: 120725X17

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.16	2.96E+06	0.79 Y	0.85	0.82	-3.7%
PCB-44/47/65 22'35'-/22'44'-	23.37	9.40E+06	0.79 Y	0.89	0.87	-2.7%
PCB-59/62/75 23'36'-/23'46'-/24	23.63	1.22E+07	0.79 Y	1.14	1.13	-1.0%
PCB-42 22'34'-TeCB	23.79	2.74E+06	0.79 Y	0.77	0.76	-2.0%
PCB-41 22'34'-TeCB	24.10	2.40E+06	0.80 Y	0.73	0.66	-8.7%
PCB-71/40 23'46'/22'33'-TeCB	24.20	6.18E+06	0.80 Y	0.87	0.85	-1.3%
PCB-64 23'46'-TeCB	24.40	4.34E+06	0.78 Y	1.24	1.20	-3.0%
PCB-72 23'55'-TeCB	25.13	3.96E+06	0.80 Y	1.14	1.09	-4.3%
PCB-68 23'45'-TeCB	25.37	4.20E+06	0.77 Y	1.21	1.16	-4.1%
PCB-57 23'35'-TeCB	25.73	3.81E+06	0.79 Y	1.11	1.05	-4.8%
PCB-58 23'35'-TeCB	25.92	3.87E+06	0.78 Y	1.10	1.07	-2.8%
PCB-67 23'45'-TeCB	26.08	4.04E+06	0.78 Y	1.16	1.12	-3.8%
PCB-63 23'45'-TeCB	26.30	4.24E+06	0.80 Y	1.22	1.17	-3.6%
PCB-61/70/74/76 23'45'-/23'4'5	26.58	1.61E+07	0.78 Y	1.13	1.11	-1.7%
PCB-66 23'44'-TeCB	26.86	3.76E+06	0.78 Y	1.08	1.04	-3.5%
PCB-55 23'34'-TeCB	26.99	3.84E+06	0.78 Y	1.10	1.06	-3.3%
PCB-56 23'34'-TeCB	27.42	3.63E+06	0.76 Y	1.06	1.00	-5.0%
PCB-60 23'44'-TeCB	27.60	3.83E+06	0.78 Y	1.11	1.06	-4.7%
PCB-80 33'55'-TeCB	27.96	4.40E+06	0.75 Y	1.25	1.22	-2.9%
PCB-79 33'45'-TeCB	29.24	4.20E+06	0.77 Y	1.23	1.16	-5.9%
PCB-78 33'45'-TeCB	29.71	3.70E+06	0.78 Y	1.08	1.02	-5.3%
PCB-104 22'466'-PeCB	23.31	3.23E+06	0.63 Y	1.25	1.23	-1.9%
PCB-96 22'366'-PeCB	23.61	2.72E+06	0.62 Y	1.08	1.04	-3.5%
PCB-103 22'45'6'-PeCB	25.28	2.75E+06	0.64 Y	0.90	0.86	-4.4%
PCB-94 22'356'-PeCB	25.46	2.36E+06	0.62 Y	0.78	0.74	-4.8%
PCB-95 22'35'6'-PeCB	25.83	2.61E+06	0.62 Y	0.83	0.82	-1.0%
PCB-100/93 22'44'6'-/22'356'-P	26.04	5.34E+06	0.62 Y	0.84	0.84	-0.8%
PCB-102 22'456'-PeCB	26.15	2.71E+06	0.61 Y	0.90	0.85	-5.7%
PCB-98 22'3'46'-PeCB	26.21	2.41E+06	0.62 Y	0.77	0.76	-2.2%
PCB-88 22'346'-PeCB	26.50	2.46E+06	0.59 Y	0.79	0.77	-2.9%
PCB-91 22'34'6'-PeCB	26.57	2.73E+06	0.62 Y	0.88	0.86	-2.8%
PCB-84 22'33'6'-PeCB	26.75	2.20E+06	0.60 Y	0.71	0.69	-2.9%
PCB-89 22'346'-PeCB	27.15	2.38E+06	0.63 Y	0.76	0.75	-2.1%
PCB-121 23'45'6'-PeCB	27.53	3.55E+06	0.60 Y	1.14	1.11	-2.9%
PCB-92 22'355'-PeCB	27.83	2.48E+06	0.60 Y	0.80	0.78	-2.8%
PCB-113/90/101 23'35'6'-/22'3	28.31	8.79E+06	0.60 Y	0.93	0.92	-1.8%
PCB-83 22'335'-PeCB	28.73	2.26E+06	0.63 Y	0.71	0.71	-0.4%
PCB-99 22'44'5'-PeCB	28.83	2.72E+06	0.61 Y	0.87	0.85	-2.3%
PCB-112 23'35'6'-PeCB	28.92	3.46E+06	0.64 Y	1.13	1.08	-3.8%
PCB-108/119/86/97/125/87 233	29.26	1.81E+07	0.61 Y	0.95	0.94	-0.5%
PCB-117 23'4'56'-PeCB	29.78	3.13E+06	0.62 Y	1.04	0.98	-5.6%
PCB-116/85 23'456'-/22'344'-Pe	29.86	6.16E+06	0.62 Y	0.97	0.97	-0.8%
PCB-110 23'3'4'6'-PeCB	29.99	3.21E+06	0.63 Y	1.02	1.01	-1.5%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

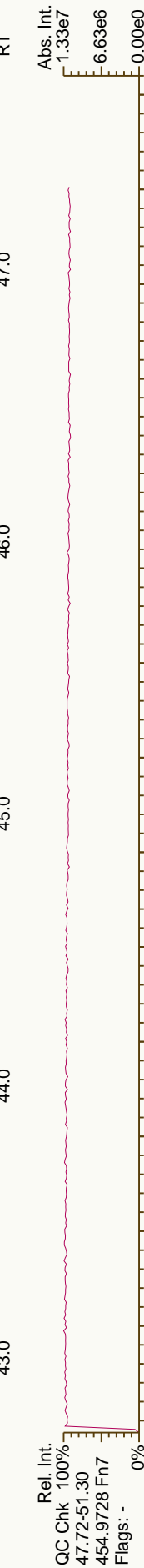
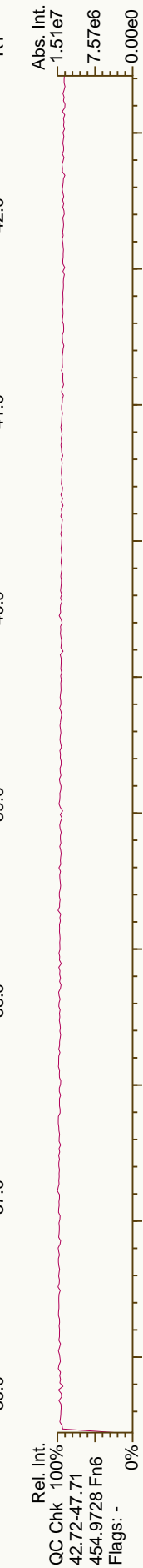
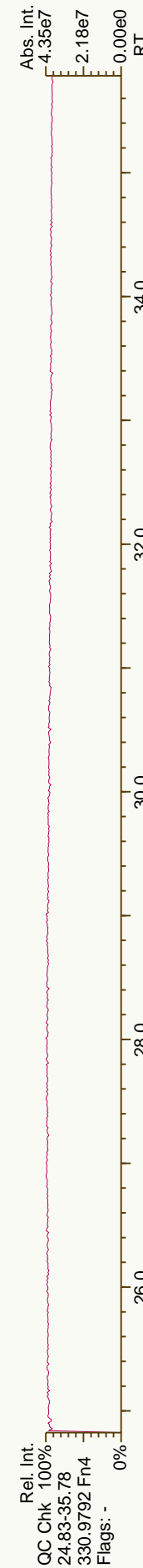
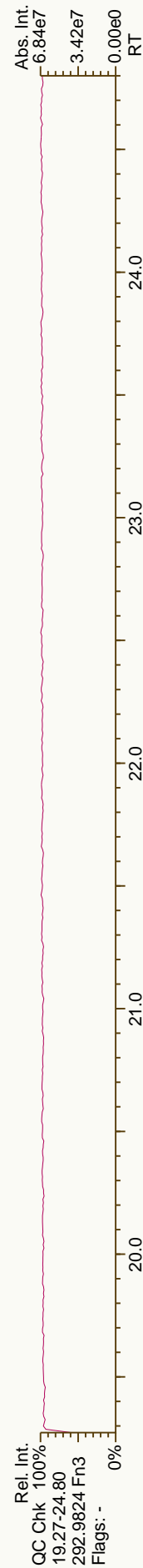
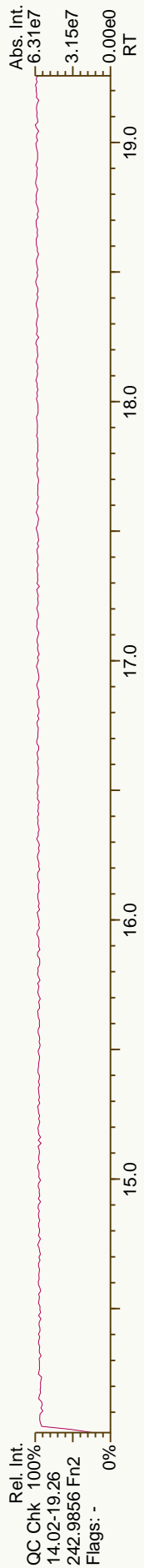
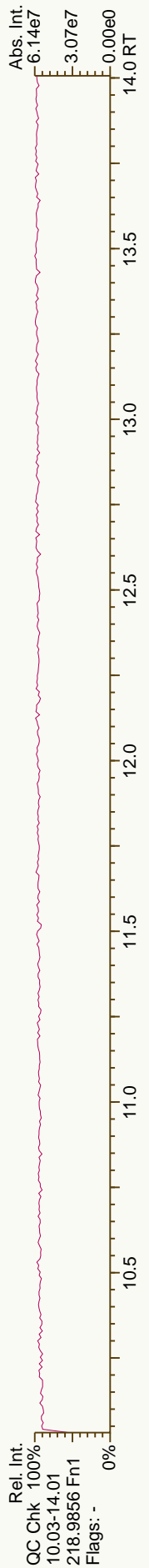
Lab ID: CS2_120725_PCB_XB
 Acquired: 26-JUL-2012 04:44
 Datafile: 120725X17

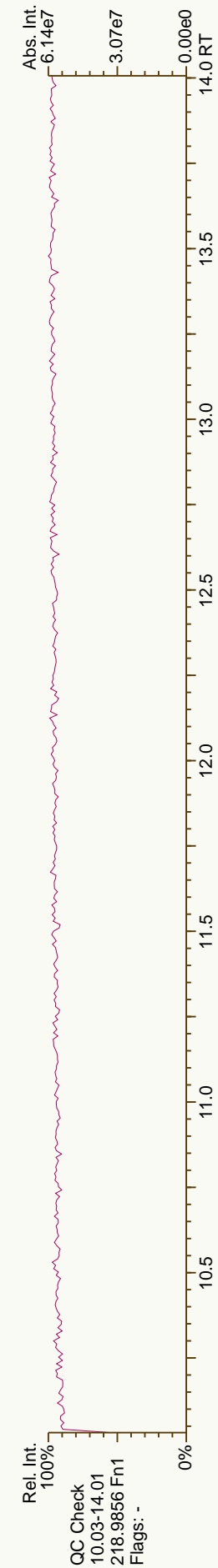
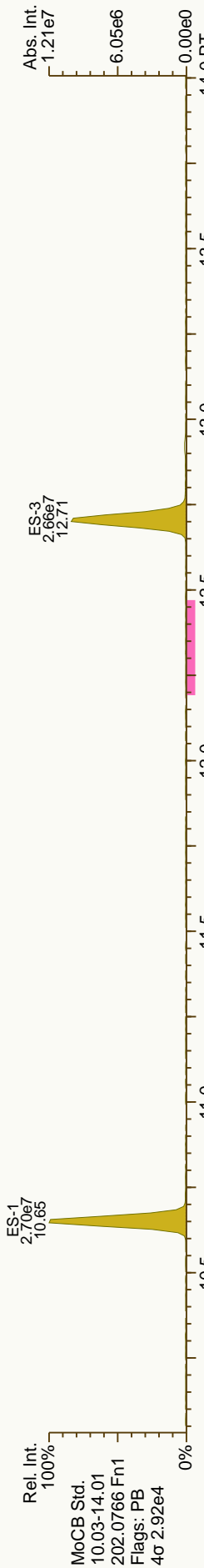
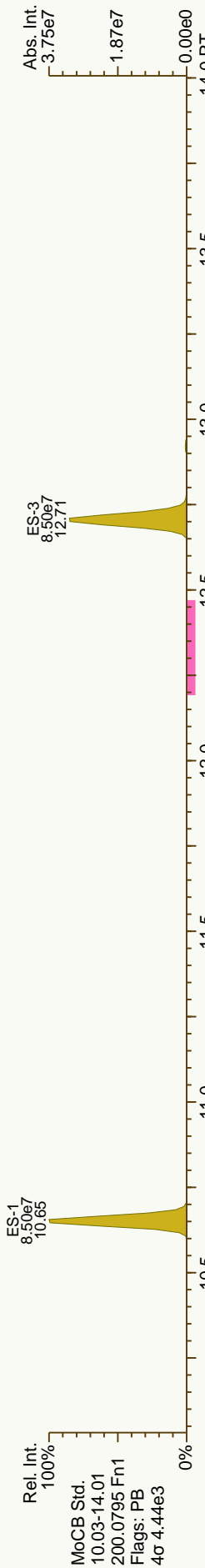
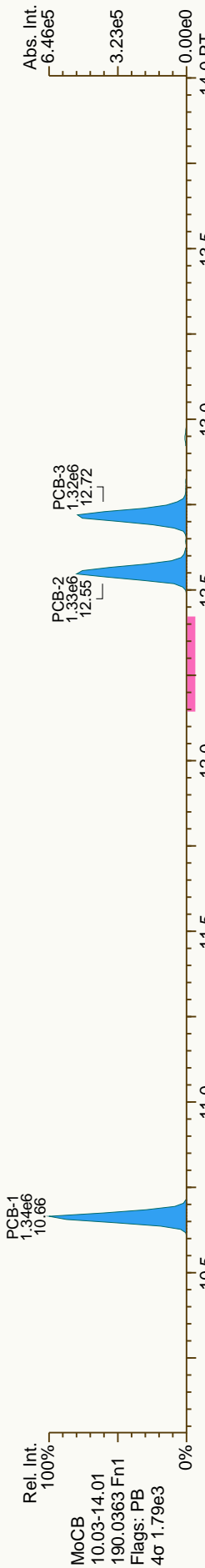
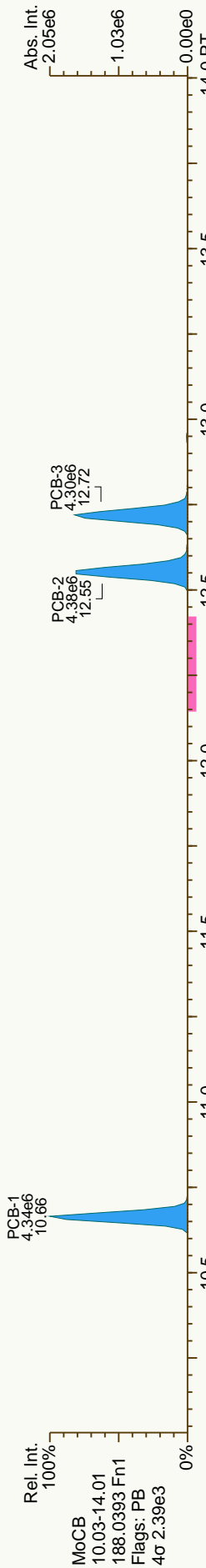
ICAL: MM7_PCB_07132012_25JUL12

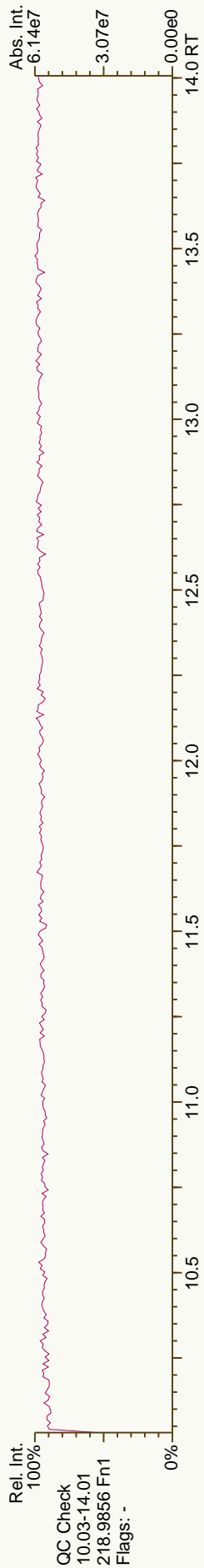
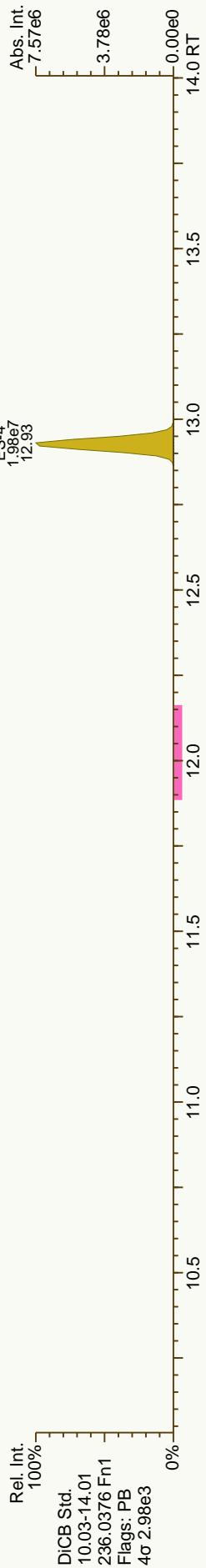
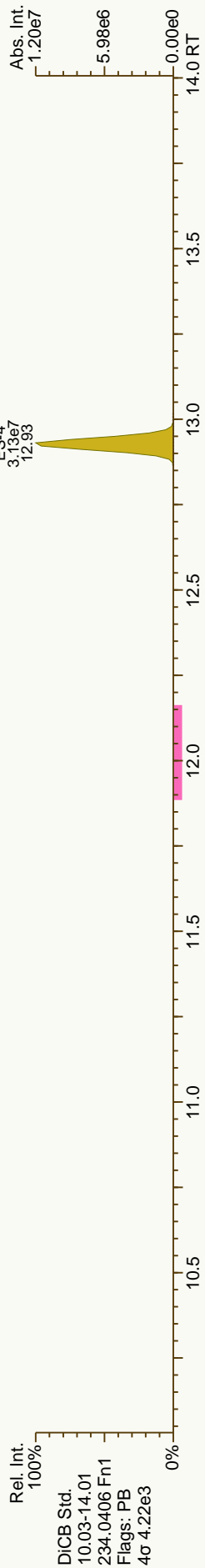
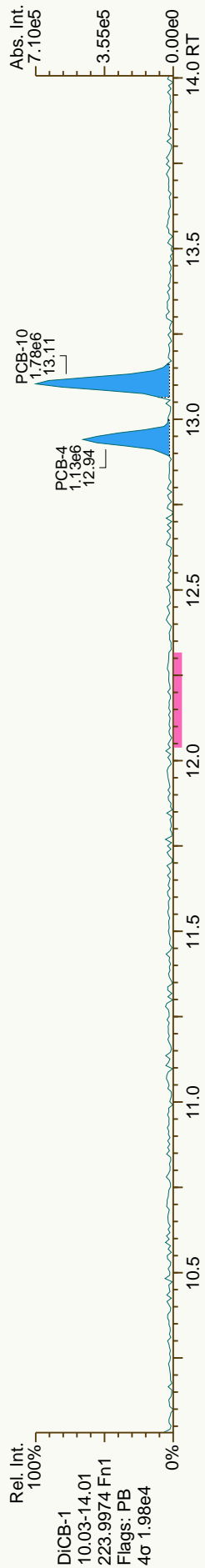
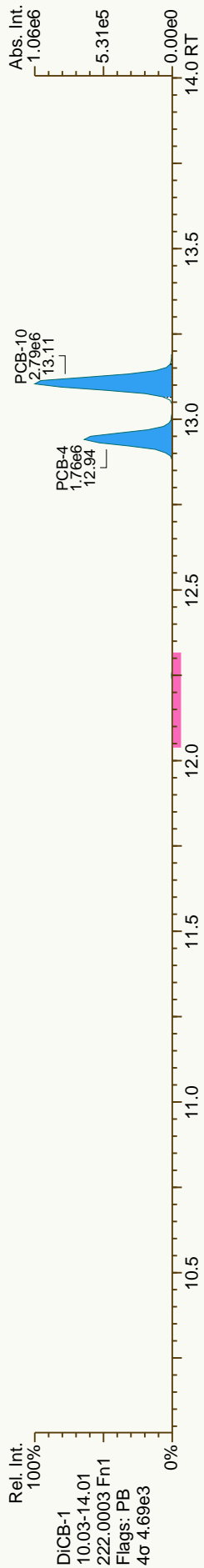
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6'-PeCB	30.07	3.50E+06	0.62 Y	1.16	1.10	-5.3%
PCB-82 22'33'4-PeCB	30.25	2.13E+06	0.63 Y	0.69	0.67	-3.4%
PCB-111 233'55'-PeCB	30.60	3.61E+06	0.62 Y	1.15	1.13	-2.0%
PCB-120 23'455'-PeCB	30.99	3.66E+06	0.61 Y	1.16	1.15	-1.2%
PCB-107/124 233'4'5'-/2'3455'	31.93	6.75E+06	0.62 Y	1.07	1.06	-1.6%
PCB-109 233'46'-PeCB	32.14	3.32E+06	0.61 Y	1.14	1.04	-8.9%
PCB-106 233'45'-PeCB	32.34	3.43E+06	0.62 Y	1.07	1.08	0.5%
PCB-122 2'33'45'-PeCB	32.80	3.19E+06	0.61 Y	1.00	0.96	-4.2%
PCB-127 33'455'-PeCB	34.74	3.51E+06	0.61 Y	1.10	1.07	-2.4%
PCB-155 22'44'66'-HxCB	28.16	3.41E+06	1.29 Y	1.09	1.04	-4.4%
PCB-152 22'3'566'-HxCB	28.30	3.21E+06	1.28 Y	1.01	0.98	-3.1%
PCB-150 22'34'66'-HxCB	28.45	3.21E+06	1.25 Y	1.00	0.98	-2.2%
PCB-136 22'33'66'-HxCB	28.73	3.01E+06	1.22 Y	0.95	0.92	-3.5%
PCB-145 22'3466'HxCB	29.00	3.09E+06	1.27 Y	0.96	0.94	-1.8%
PCB-148 22'34'56'-HxCB	30.29	2.30E+06	1.26 Y	0.97	0.92	-5.4%
PCB-151/135 22'355'6'-/22'33'	30.79	4.63E+06	1.23 Y	0.96	0.92	-4.1%
PCB-154 22'44'5'6'-HxCB	31.00	2.65E+06	1.31 Y	1.09	1.06	-2.9%
PCB-144 22'345'6'-HxCB	31.25	2.37E+06	1.29 Y	0.98	0.95	-3.8%
PCB-147/149 22'34'56'-/22'34'	31.55	4.78E+06	1.28 Y	0.99	0.95	-3.3%
PCB-134 22'33'56'-HxCB	31.71	1.90E+06	1.24 Y	0.80	0.76	-5.6%
PCB-143 22'3456'-HxCB	31.79	2.25E+06	1.26 Y	0.95	0.90	-6.0%
PCB-139/140 22'344'6'-/22'344'	32.06	4.86E+06	1.25 Y	1.00	0.97	-3.1%
PCB-131 22'33'46'-HxCB	32.22	2.08E+06	1.32 Y	0.85	0.83	-2.6%
PCB-142 22'3456'-HxCB	32.36	2.11E+06	1.30 Y	0.87	0.84	-3.7%
PCB-132 22'33'46'-HxCB	32.60	2.15E+06	1.26 Y	0.89	0.86	-3.8%
PCB-133 22'33'55'-HxCB	33.03	2.21E+06	1.25 Y	0.91	0.88	-3.6%
PCB-165 233'55'6'-HxCB	33.37	2.72E+06	1.27 Y	1.13	1.08	-4.3%
PCB-146 22'34'55'-HxCB	33.58	2.38E+06	1.23 Y	1.01	0.95	-5.8%
PCB-161 233'45'6'-HxCB	33.69	3.02E+06	1.26 Y	1.25	1.20	-3.9%
PCB-153/168 22'44'55'-/23'44'	34.12	5.75E+06	1.25 Y	1.22	1.15	-6.0%
PCB-141 22'3455'-HxCB	34.25	2.23E+06	1.26 Y	0.93	0.89	-4.1%
PCB-130 22'33'45'-HxCB	34.59	2.04E+06	1.30 Y	0.85	0.81	-4.0%
PCB-137 22'344'5'-HxCB	34.78	2.64E+06	1.31 Y	1.04	1.05	1.0%
PCB-164 233'4'5'6'-HxCB	34.87	2.80E+06	1.27 Y	1.22	1.12	-8.9%
PCB-163/138/129 233'4'56'-/22'	35.15	7.49E+06	1.28 Y	1.02	1.00	-2.8%
PCB-160 233'456'-HxCB	35.28	2.83E+06	1.29 Y	1.21	1.13	-6.6%
PCB-158 233'44'6'-HxCB	35.46	3.25E+06	1.26 Y	1.34	1.30	-3.0%
PCB-128/166 22'33'44'-/2344'5	36.18	5.65E+06	1.27 Y	0.90	0.87	-2.9%
PCB-159 233'455'-HxCB	37.02	3.30E+06	1.23 Y	1.06	1.02	-4.1%
PCB-162 233'4'55'-HxCB	37.26	3.40E+06	1.24 Y	1.08	1.05	-2.4%
PCB-188 22'34'566'-HpCB	32.97	2.62E+06	1.10 Y	1.03	1.02	-0.9%
PCB-179 22'33'566'-HpCB	33.23	2.41E+06	1.06 Y	0.97	0.94	-2.5%
PCB-184 22'344'66'-HpCB	33.70	2.30E+06	1.03 Y	0.93	0.90	-3.4%

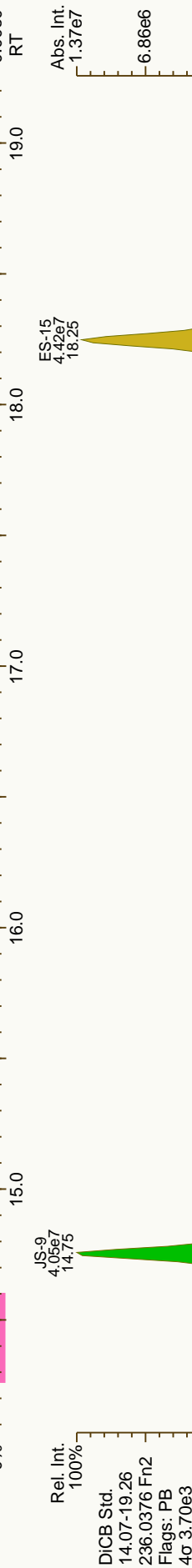
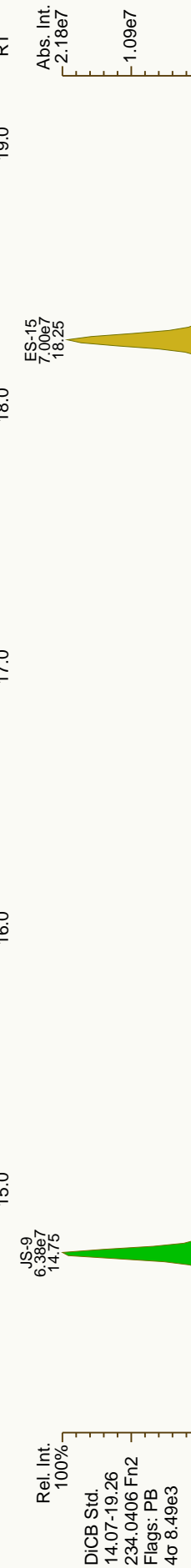
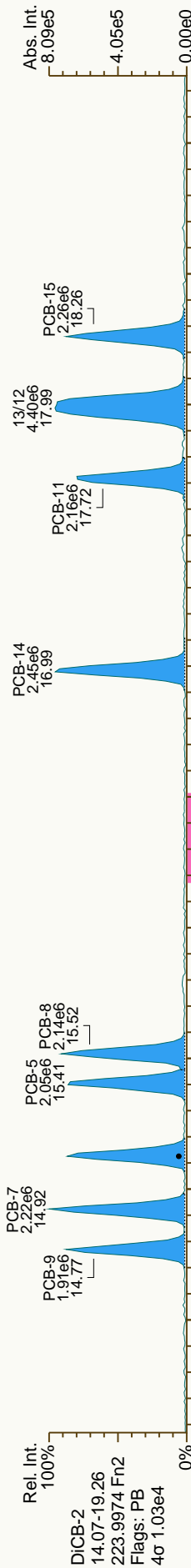
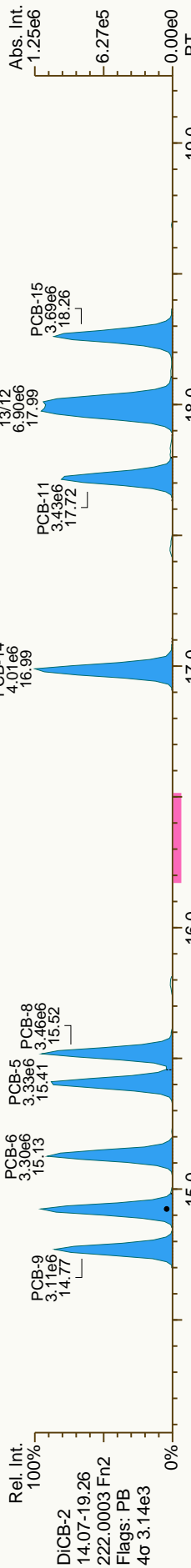
PCB QC Summary - Ax2 Detail

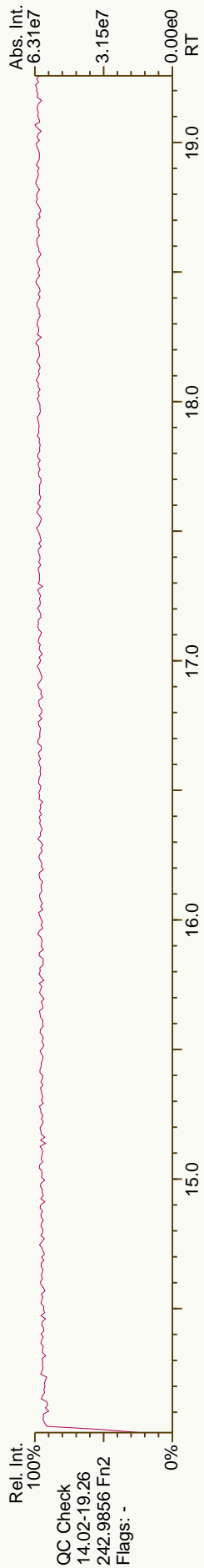
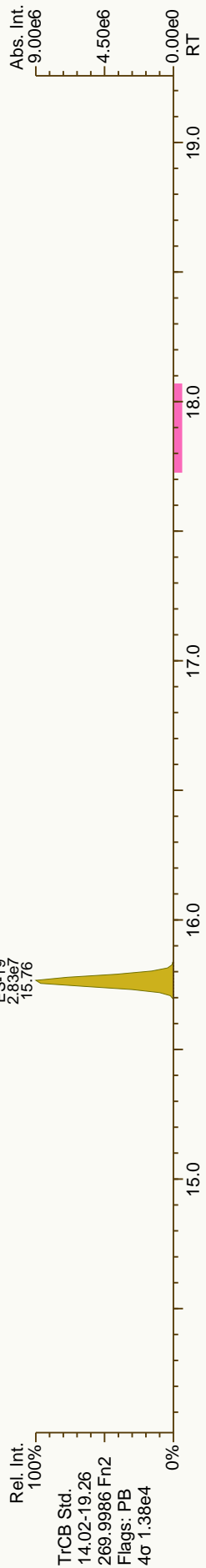
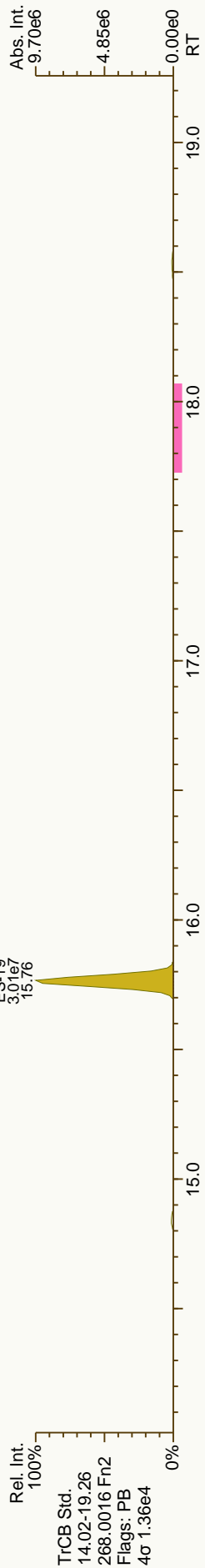
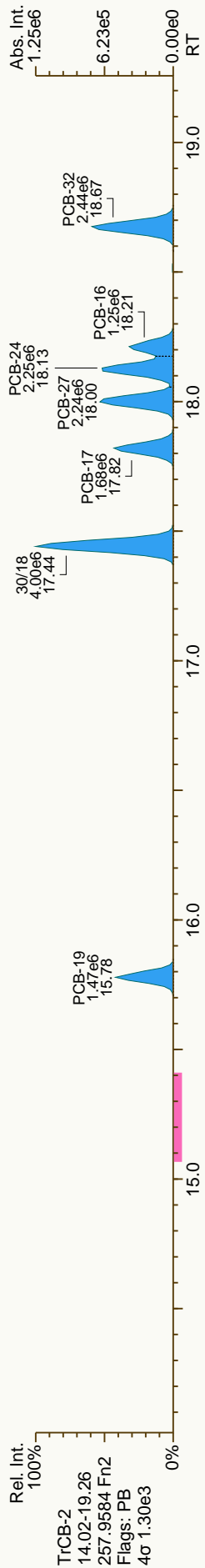
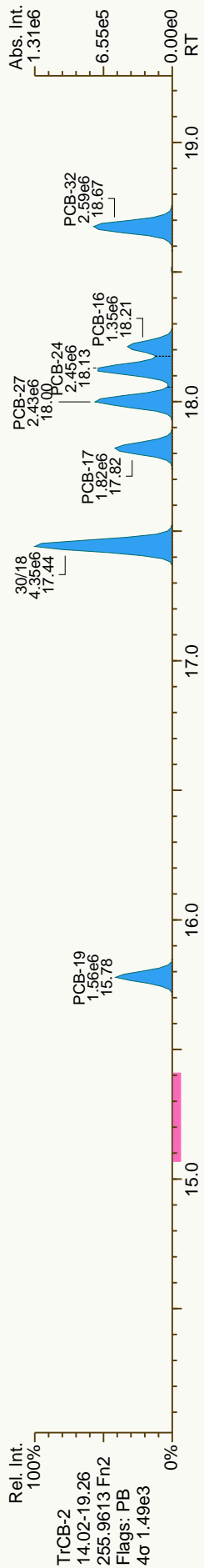
Lab ID:	CS2_120725_PCB_XB									
Acquired:	26-JUL-2012 04:44									
Datafile:	120725X17									
Name	RT	Response	RA	ICAL	RRF	Dev'n				
PCB-176 22'33'466'-HpCB	33.98	2.66E+06	1.09 Y	1.05	1.04	-0.7%				
PCB-186 22'34'566'-HpCB	34.36	2.47E+06	1.07 Y	0.98	0.97	-1.6%				
PCB-178 22'33'55'6'-HpCB	35.52	1.83E+06	1.09 Y	0.74	0.72	-2.4%				
PCB-175 22'33'45'6'-HpCB	36.05	2.25E+06	1.09 Y	1.01	0.99	-1.7%				
PCB-187 22'34'55'6'-HpCB	36.28	2.40E+06	1.02 Y	1.06	1.06	-0.4%				
PCB-182 22'34'4'56'-HpCB	36.45	2.42E+06	1.07 Y	1.11	1.07	-3.8%				
PCB-183 22'34'4'5'6'-HpCB	36.80	2.61E+06	1.06 Y	1.13	1.15	1.7%				
PCB-185 22'34'55'6'-HpCB	36.87	2.18E+06	1.09 Y	1.02	0.96	-5.5%				
PCB-174 22'33'456'-HpCB	36.98	2.06E+06	1.07 Y	0.93	0.91	-2.2%				
PCB-177 22'33'4'56'-HpCB	37.35	2.01E+06	1.02 Y	0.91	0.89	-2.0%				
PCB-181 22'34'4'56'-HpCB	37.69	2.30E+06	1.06 Y	1.06	1.02	-4.4%				
PCB-171/173 22'33'44'6'-/22'3	37.87	4.10E+06	1.04 Y	0.93	0.90	-2.6%				
PCB-172 22'33'455'-HpCB	39.23	2.09E+06	1.09 Y	0.95	0.92	-3.5%				
PCB-192 233'455'6'-HpCB	39.48	2.74E+06	1.07 Y	1.24	1.21	-2.7%				
PCB-180/193 22'34'4'55'-/233'	39.75	5.17E+06	1.04 Y	1.16	1.14	-1.6%				
PCB-191 233'44'5'6'-HpCB	40.08	2.85E+06	1.05 Y	1.30	1.25	-3.7%				
PCB-170 22'33'44'5'-HpCB	40.83	2.06E+06	1.09 Y	1.07	1.04	-2.8%				
PCB-190 233'44'56'-HpCB	41.27	2.77E+06	1.06 Y	1.45	1.41	-3.1%				
PCB-202 22'33'55'66'-OcCB	37.46	2.20E+06	0.92 Y	0.91	0.89	-2.7%				
PCB-201 22'33'45'66'-OcCB	38.24	2.49E+06	0.92 Y	1.02	1.00	-1.7%				
PCB-204 22'34'4'566'-OcCB	38.81	2.36E+06	0.89 Y	0.98	0.95	-2.4%				
PCB-197 22'33'44'66'-OcCB	38.99	2.55E+06	0.94 Y	1.06	1.03	-3.2%				
PCB-200 22'33'4566'-OcCB	39.07	2.36E+06	0.93 Y	0.96	0.95	-1.0%				
PCB-198/199 22'33'455'6'-/22'	41.40	3.43E+06	0.91 Y	0.72	0.69	-3.3%				
PCB-196 22'33'44'56'-OcCB	41.97	1.79E+06	0.87 Y	0.73	0.72	-1.1%				
PCB-203 22'34'4'55'6'-OcCB	42.14	1.82E+06	0.92 Y	0.76	0.74	-3.6%				
PCB-195 22'33'44'56'-OcCB	43.24	1.80E+06	0.88 Y	0.80	0.76	-4.7%				
PCB-194 22'33'44'55'-OcCB	45.19	1.99E+06	0.92 Y	0.87	0.84	-3.7%				
PCB-205 233'44'55'6'-OcCB	45.59	2.46E+06	0.91 Y	1.09	1.04	-4.2%				
PCB-208 22'33'455'66'-NoCB	43.05	2.30E+06	0.75 Y	1.02	0.98	-3.8%				
PCB-207 22'33'44'566'-NoCB	43.83	2.40E+06	0.77 Y	1.06	1.02	-3.4%				
PCB-206 22'33'44'55'6'-NoCB	47.04	1.63E+06	0.75 Y	0.98	0.95	-2.8%				

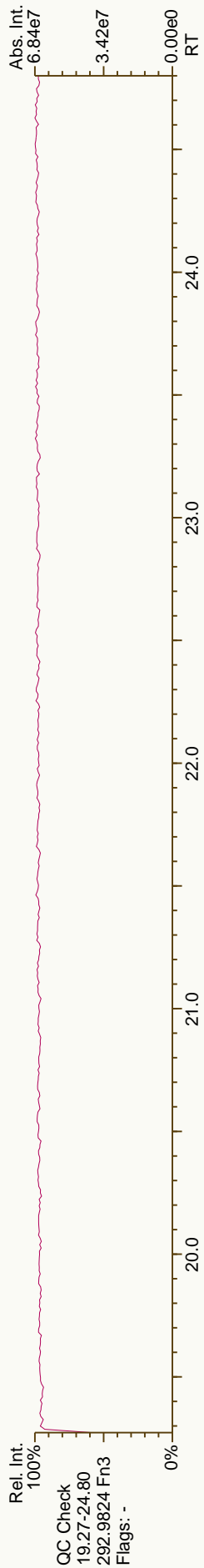
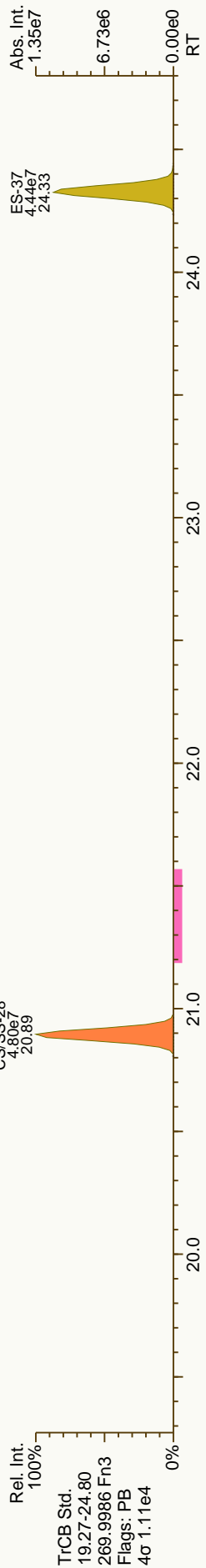
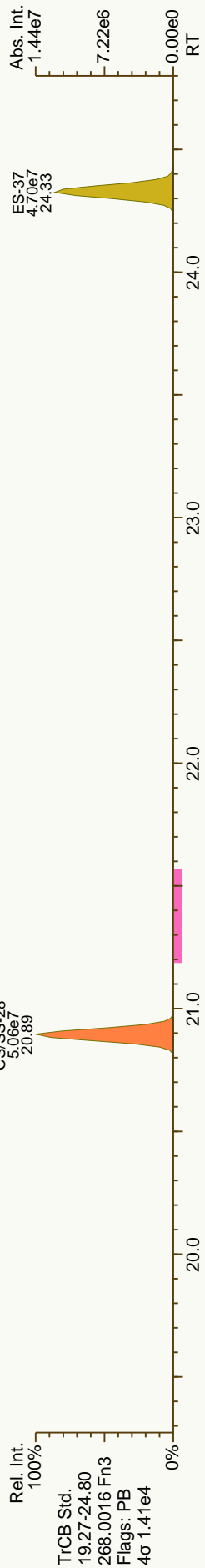
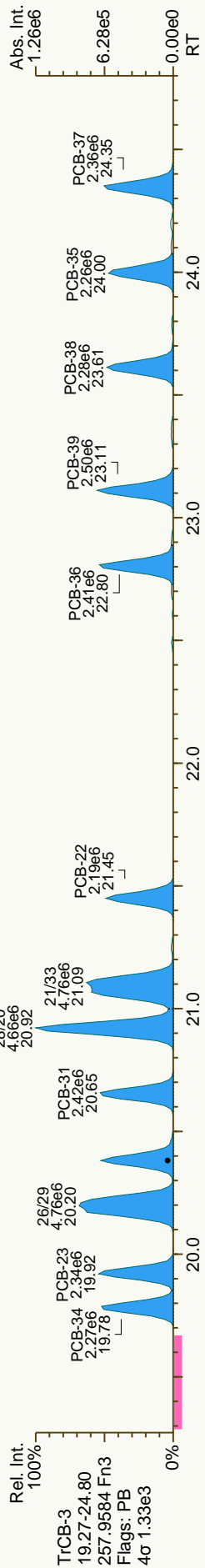
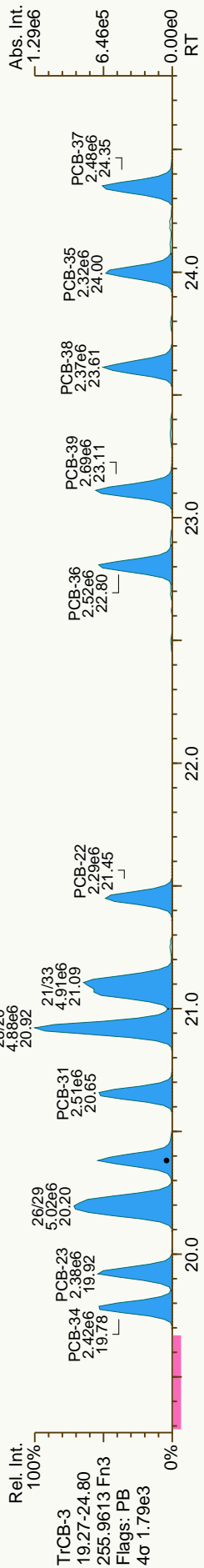


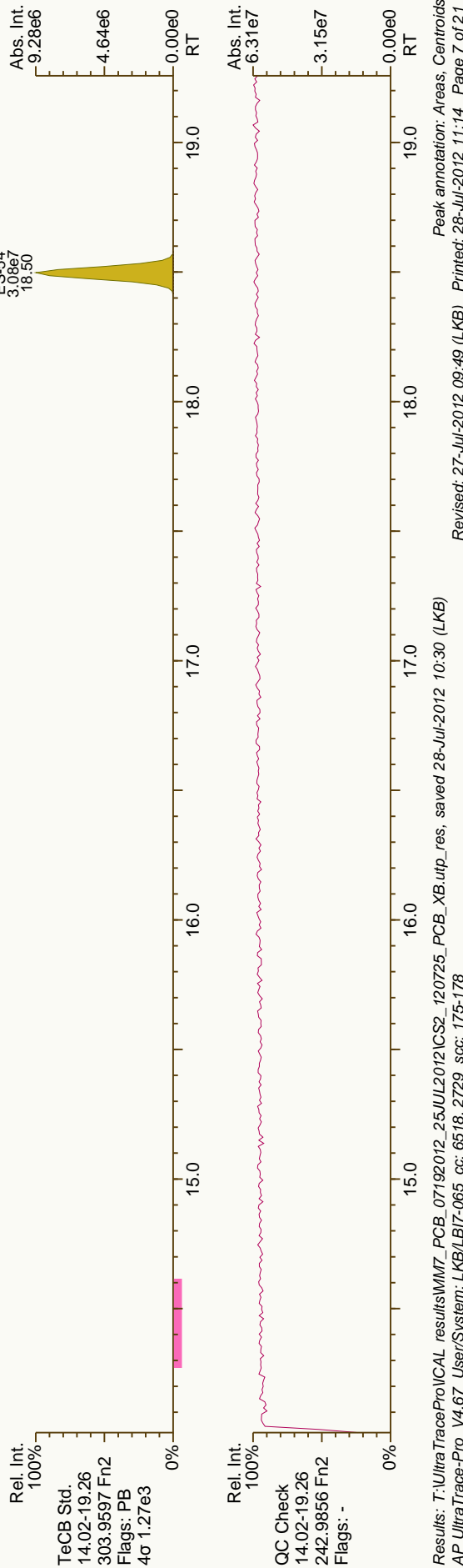
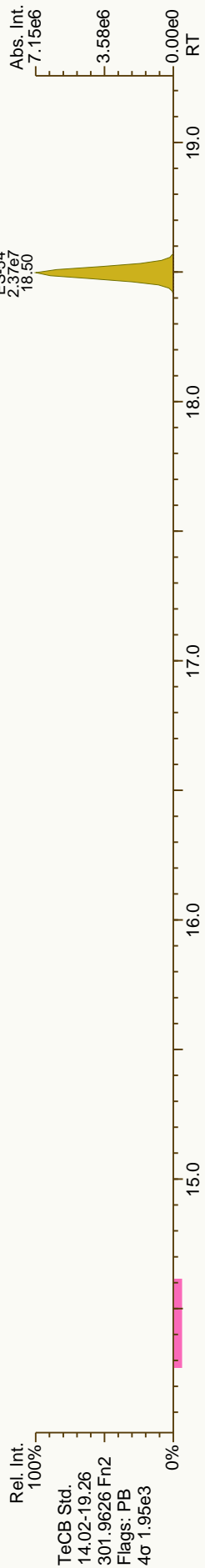
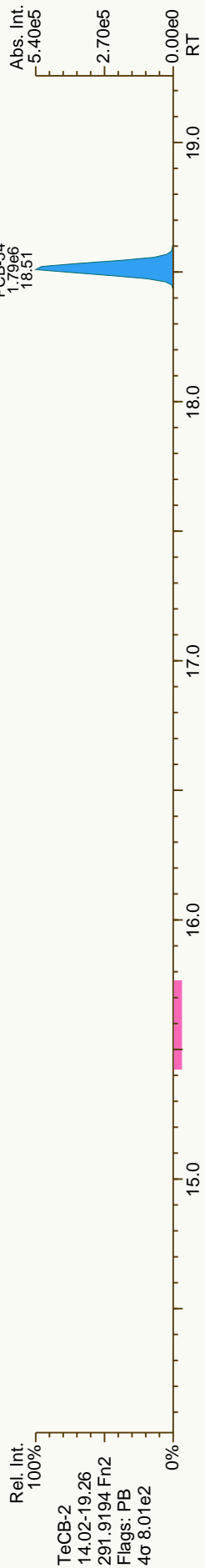
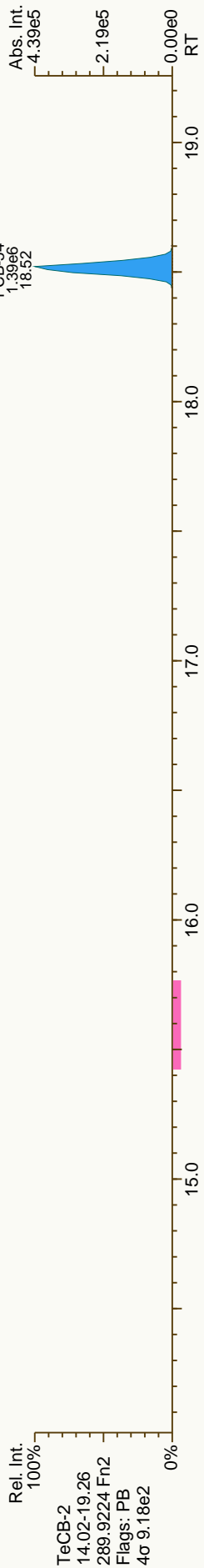


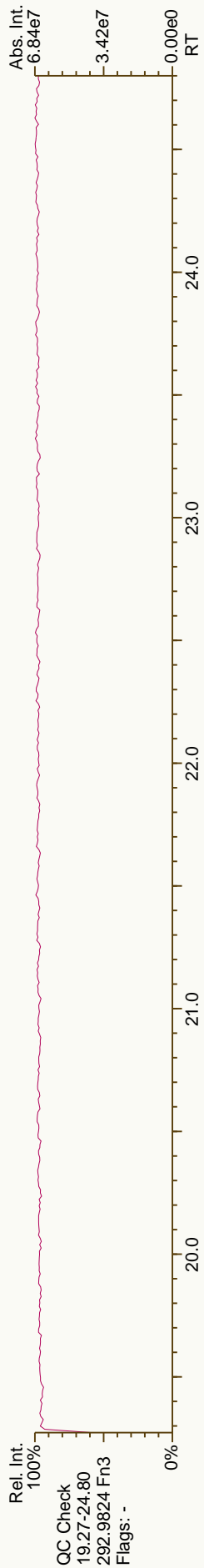
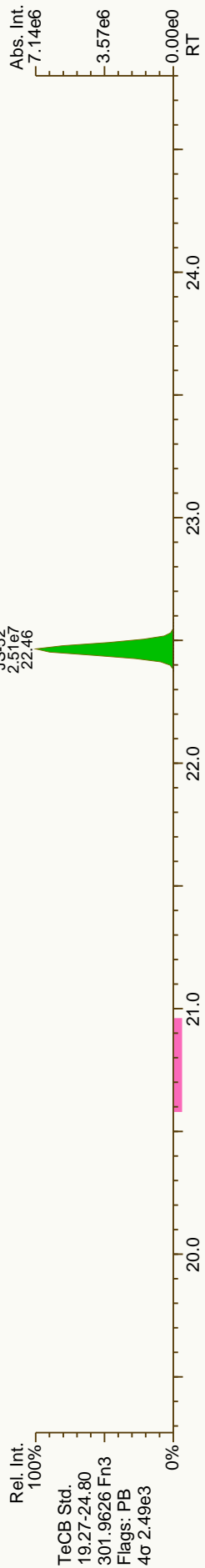
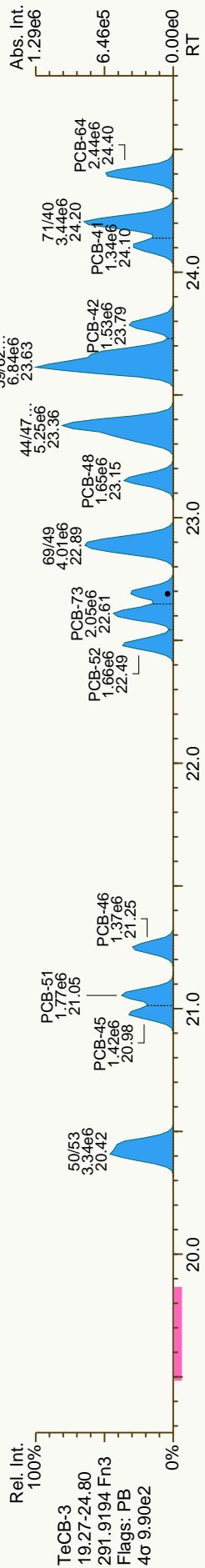
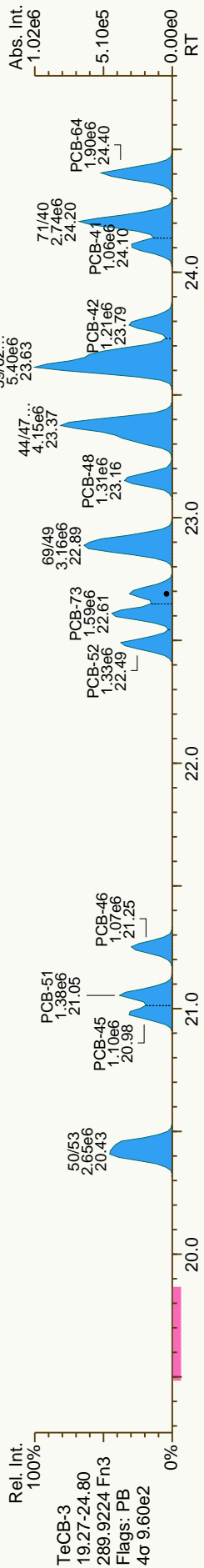


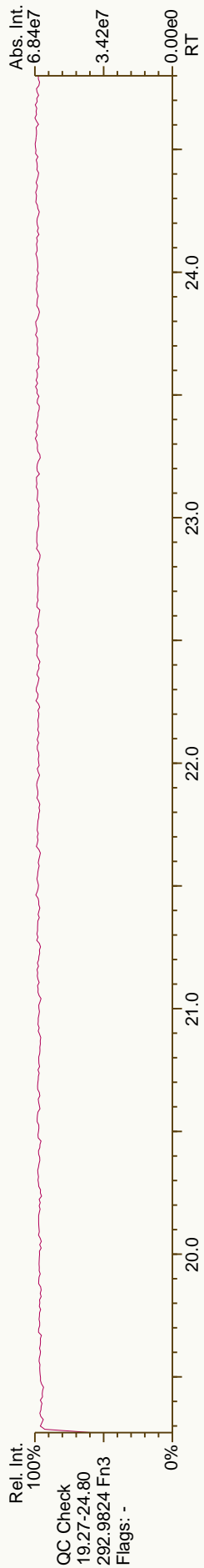
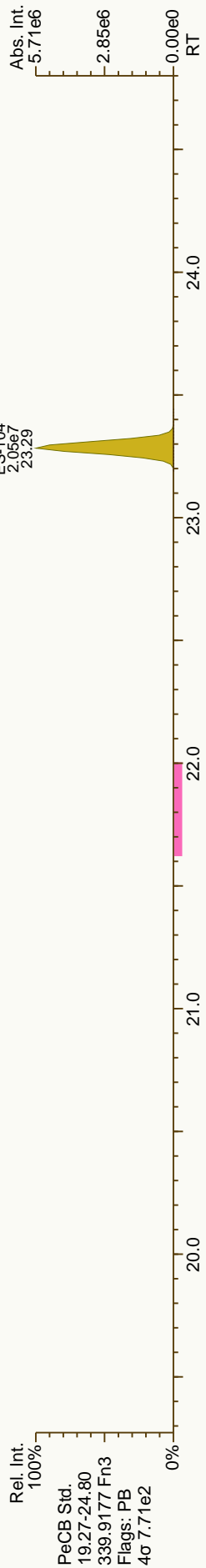
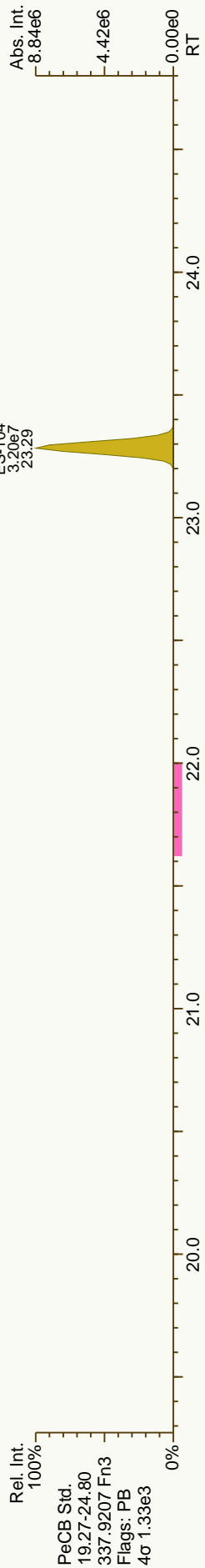
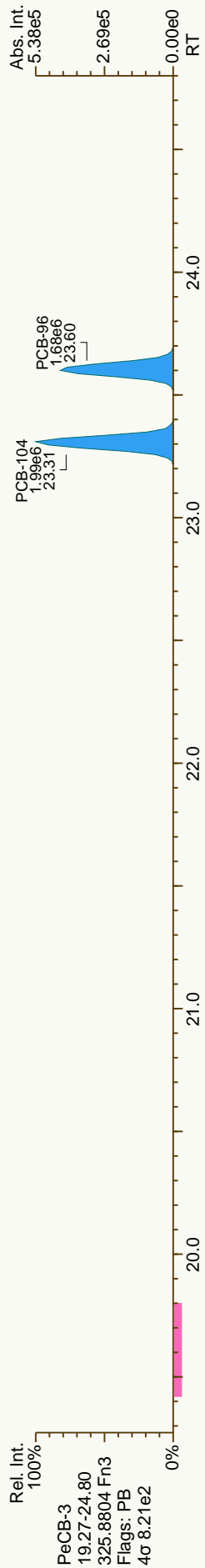
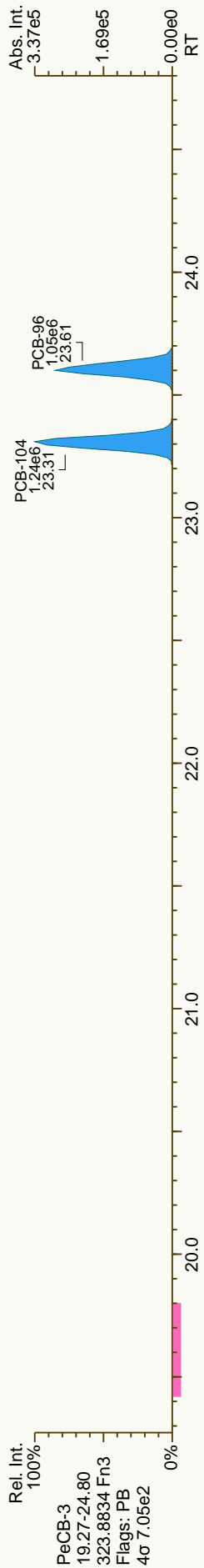


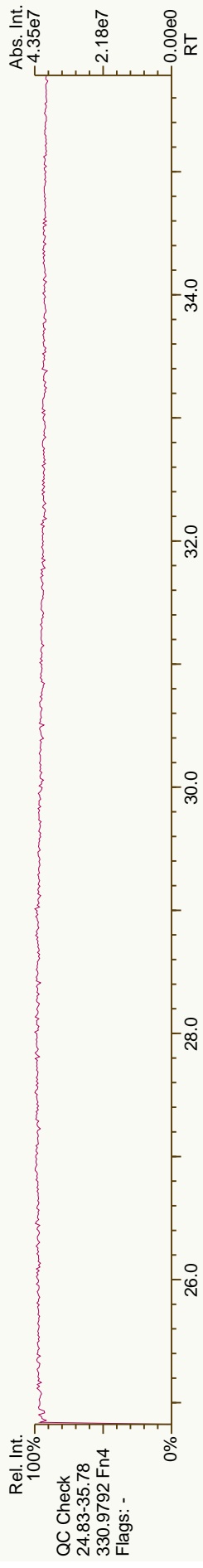
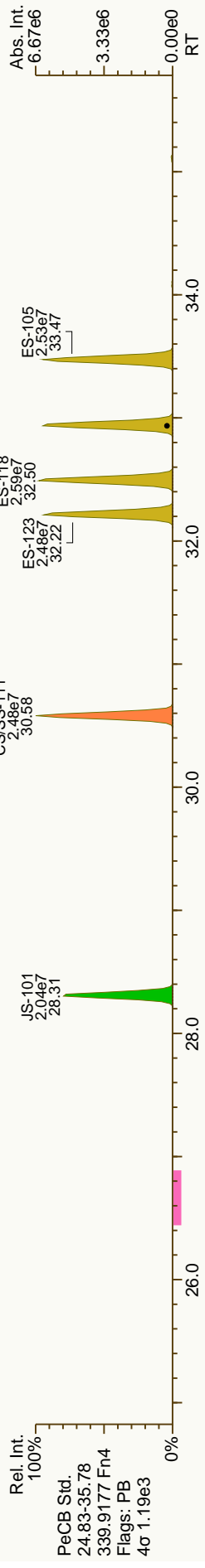
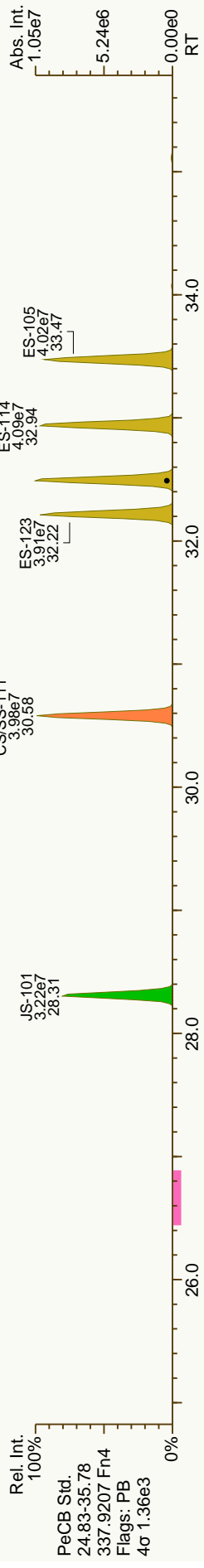
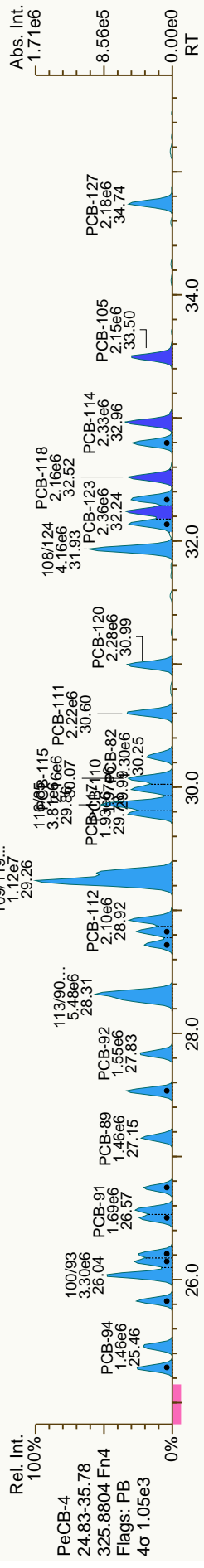
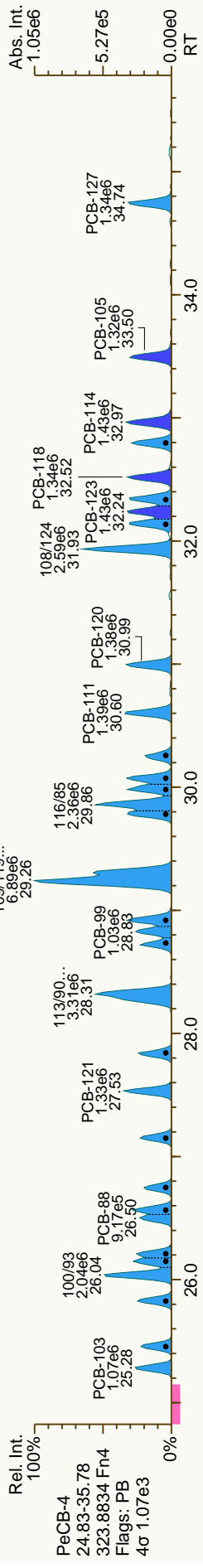


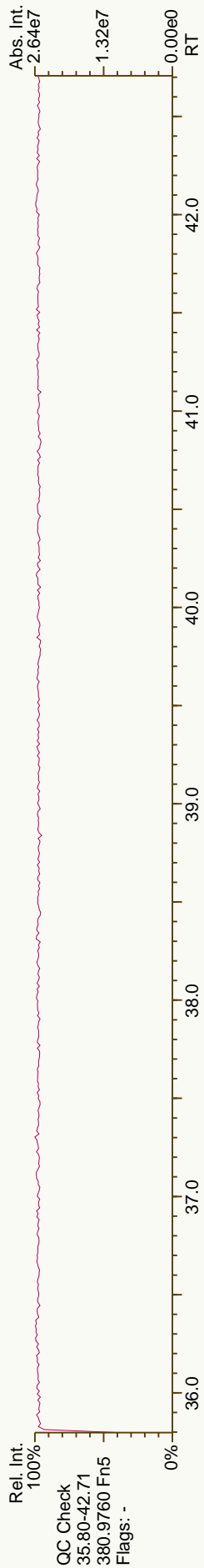
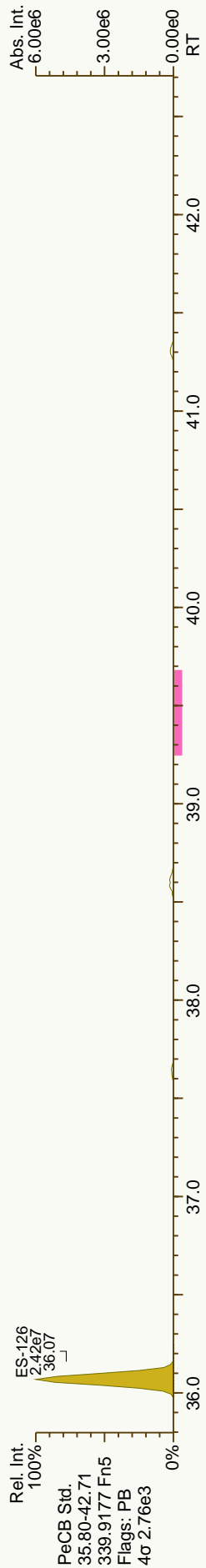
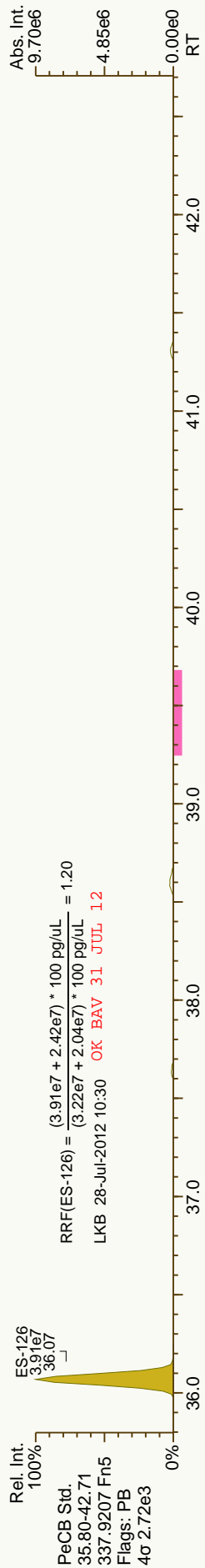
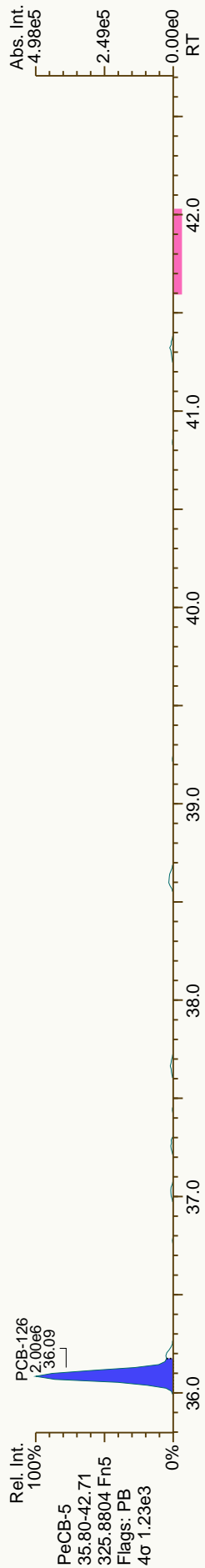
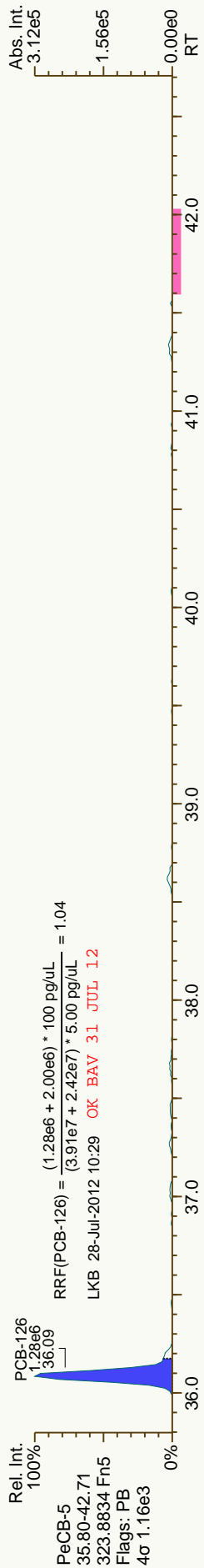


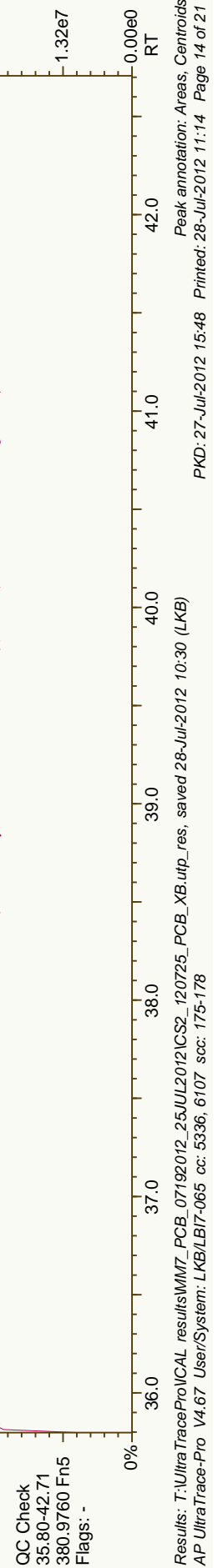
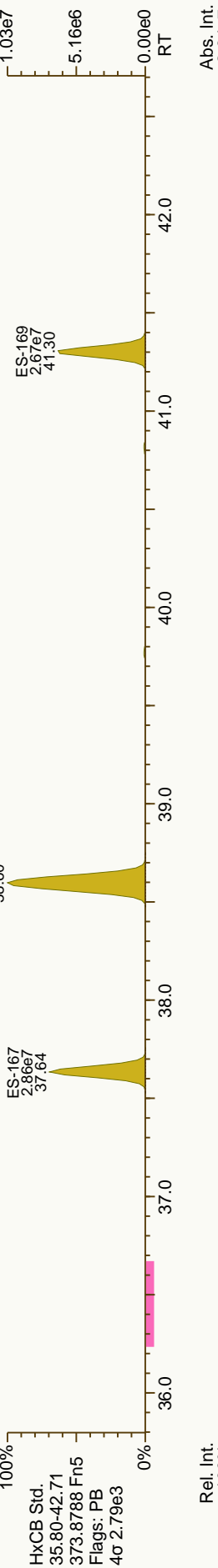
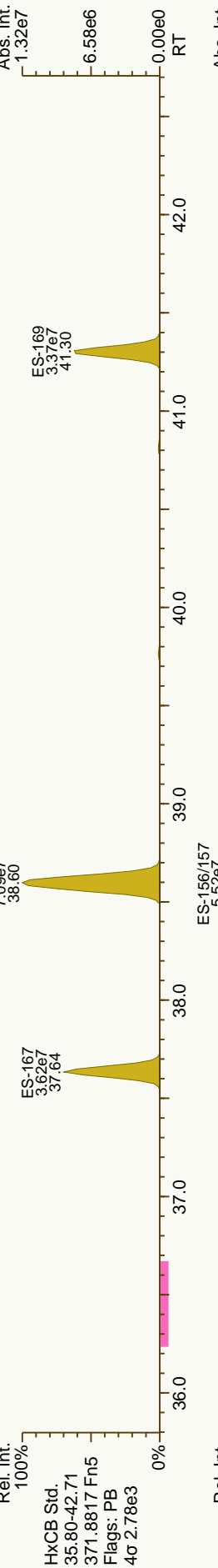
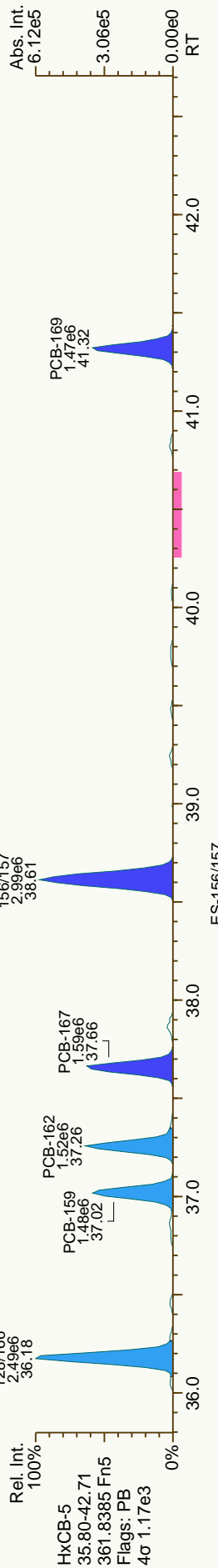
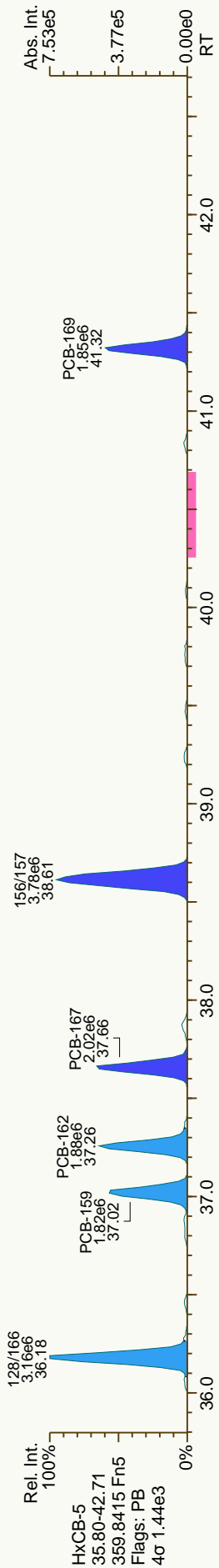


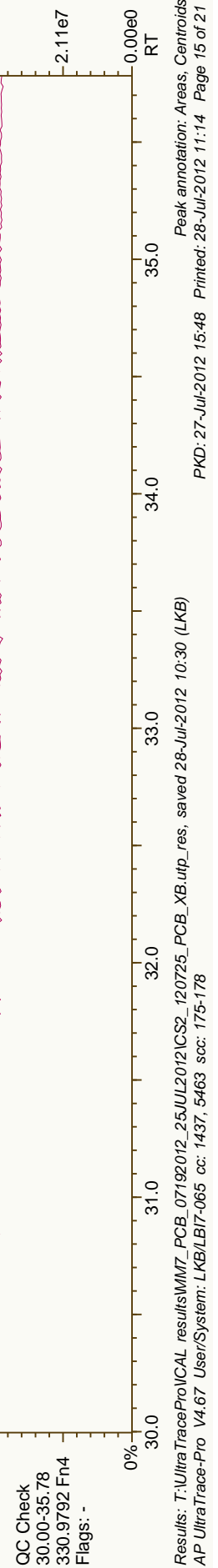
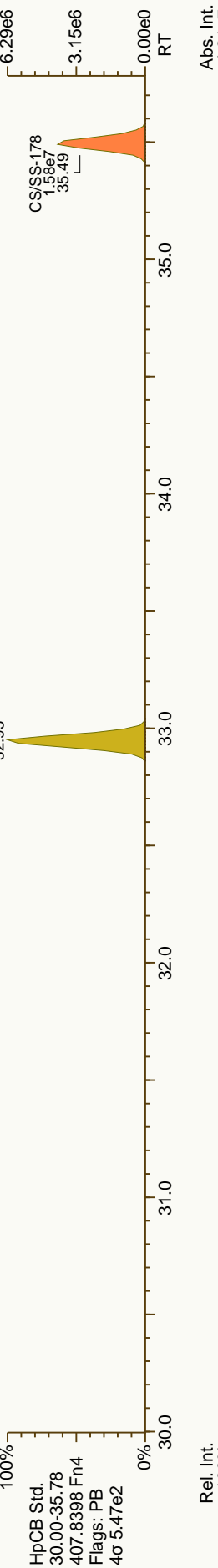
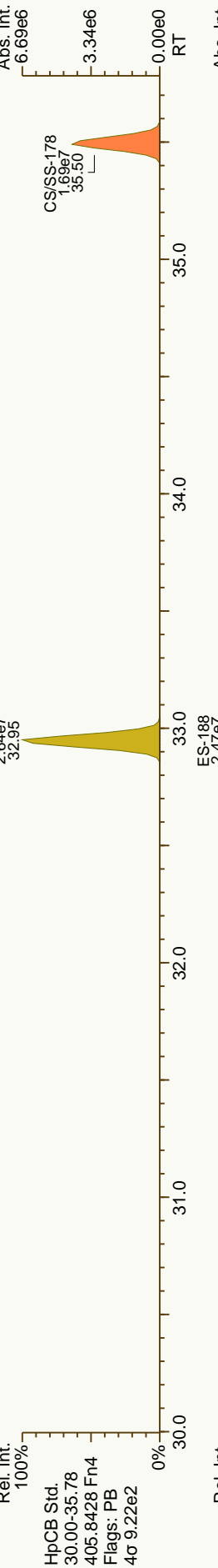
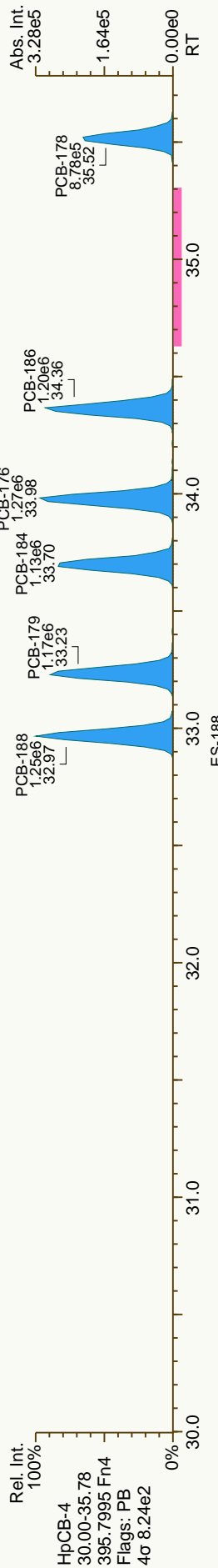
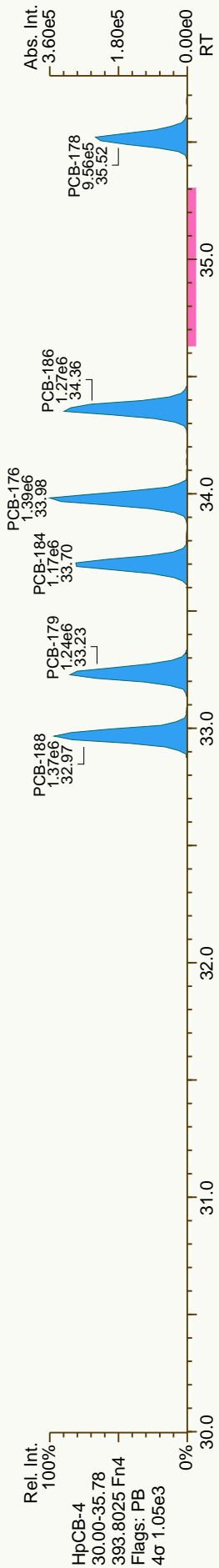


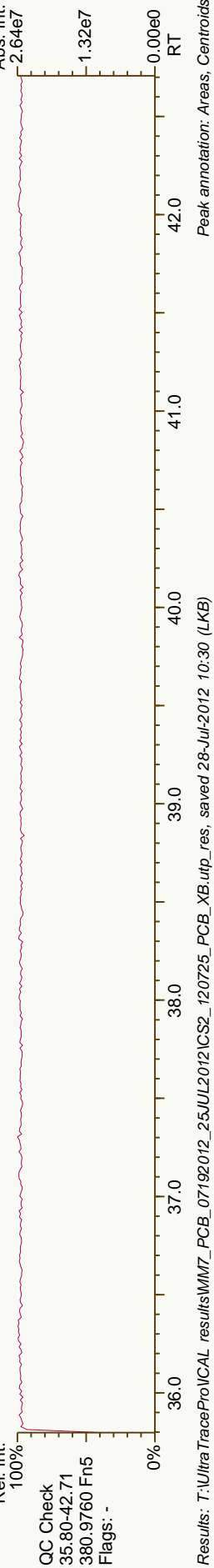
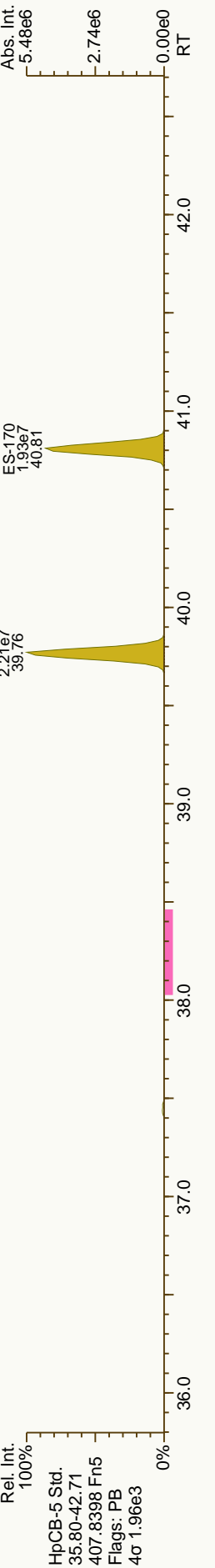
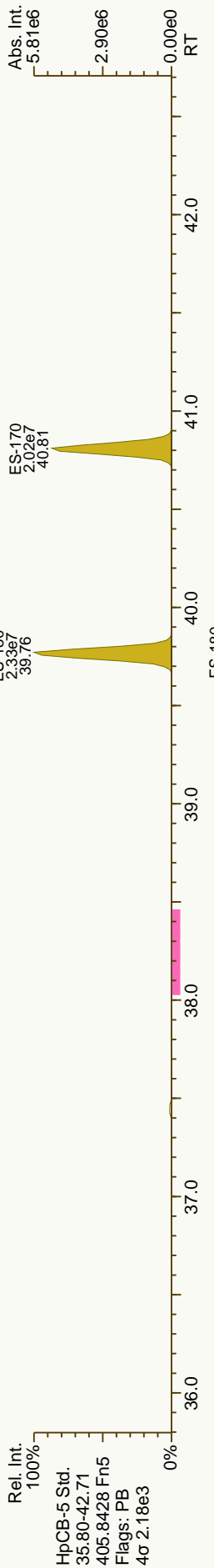
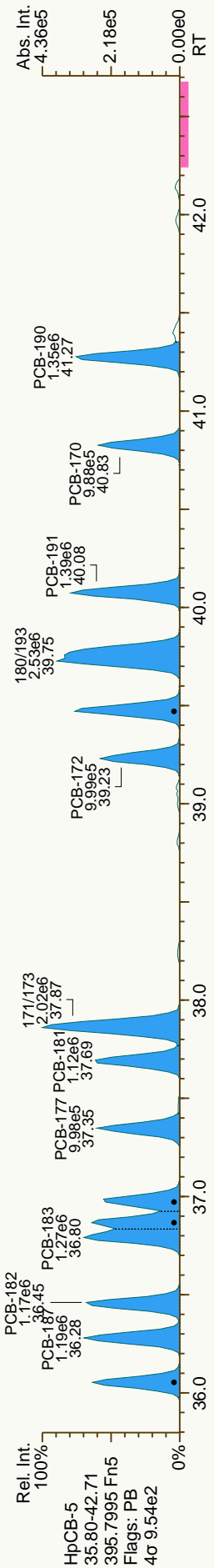
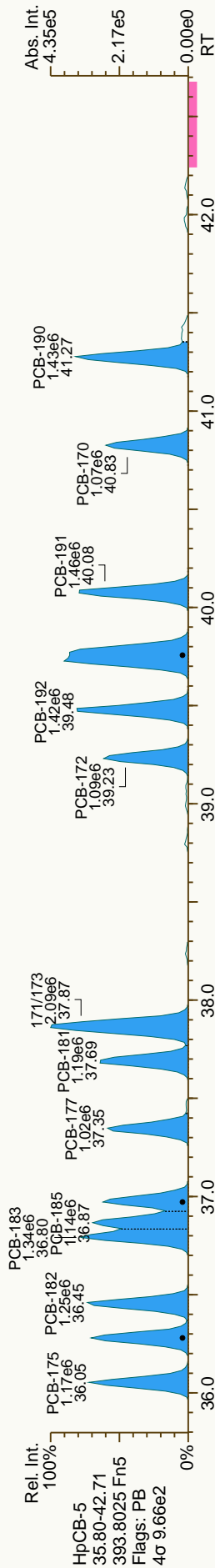


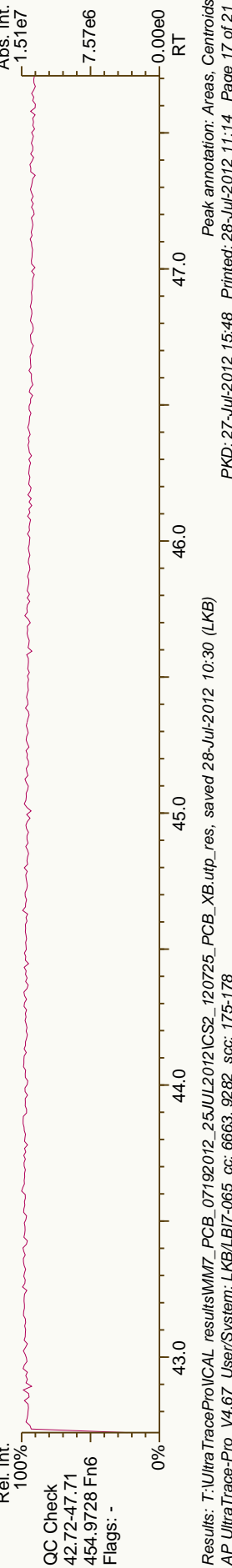
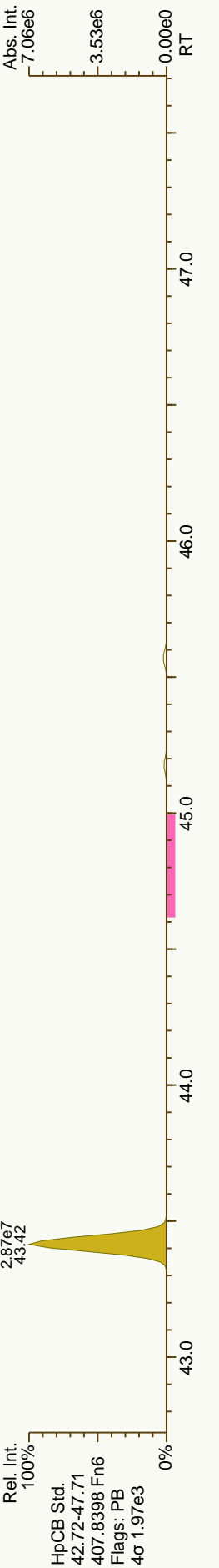
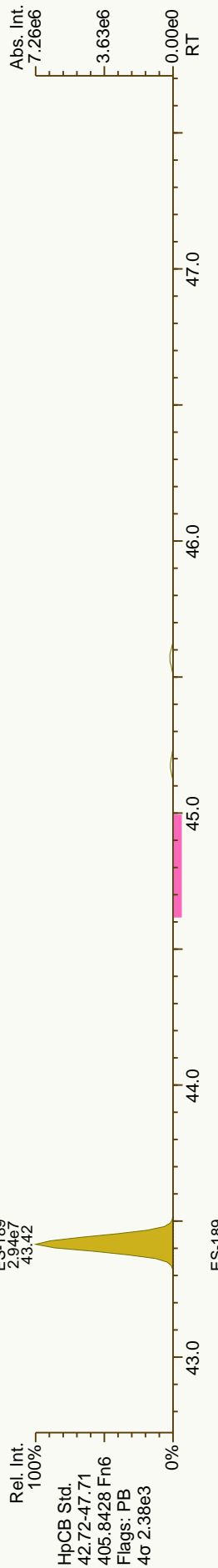
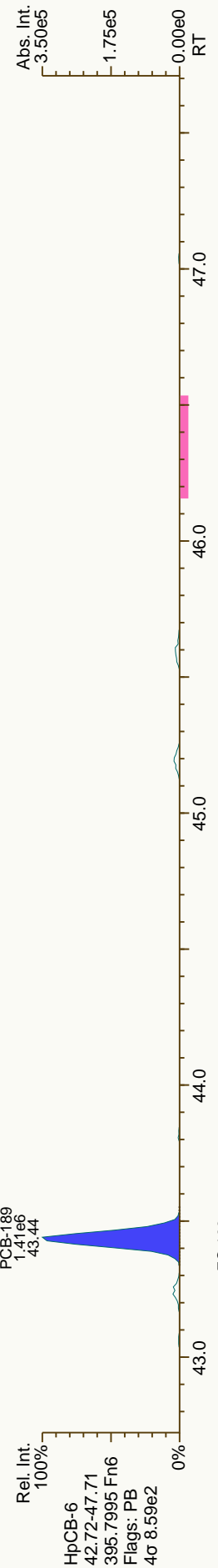
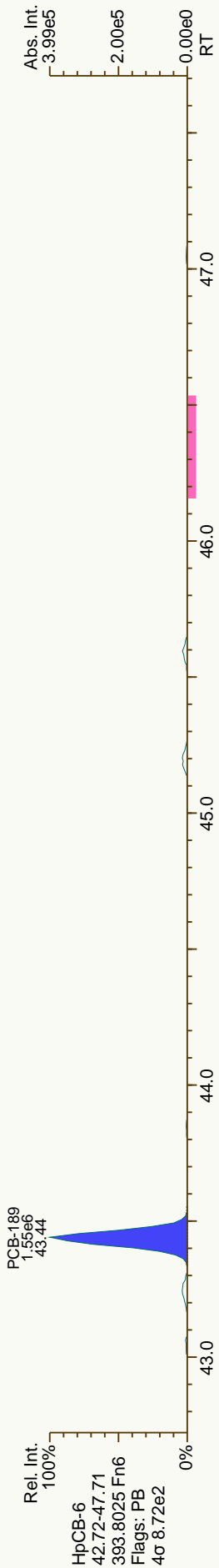


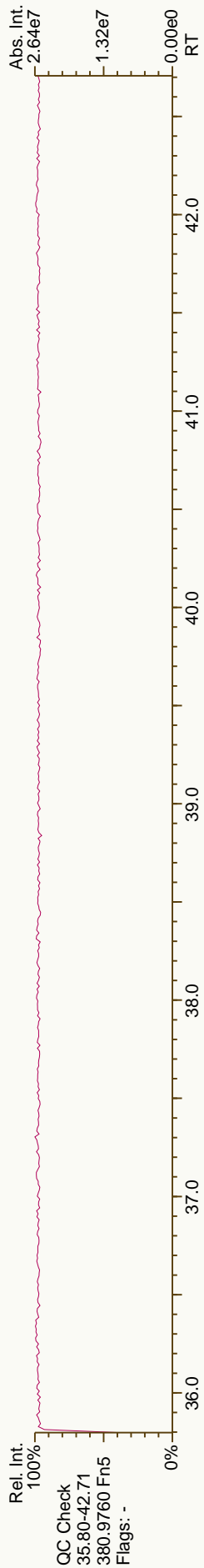
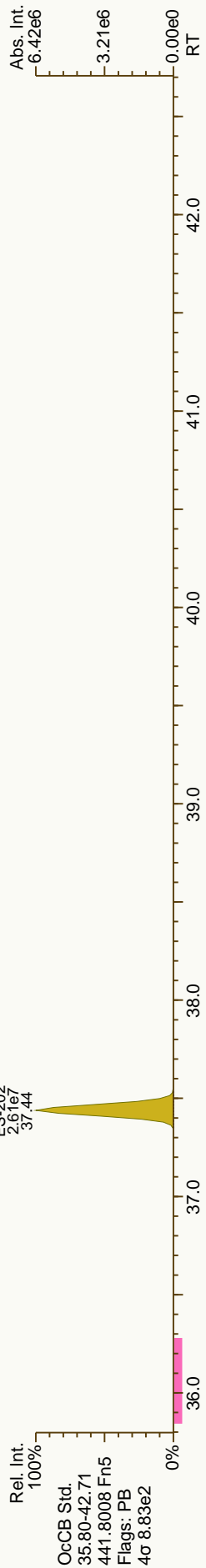
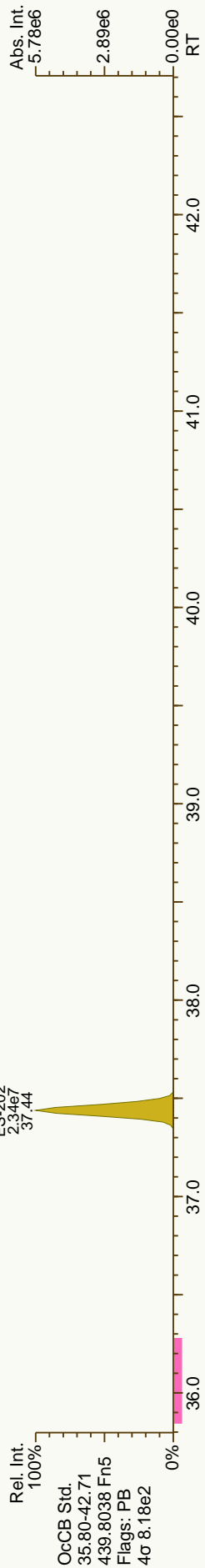
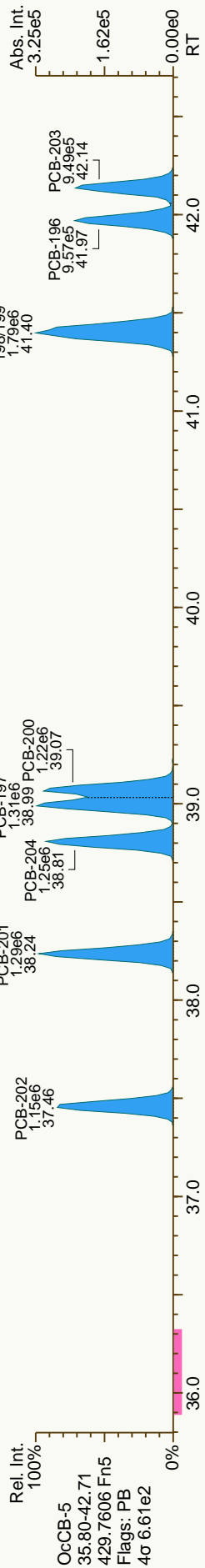
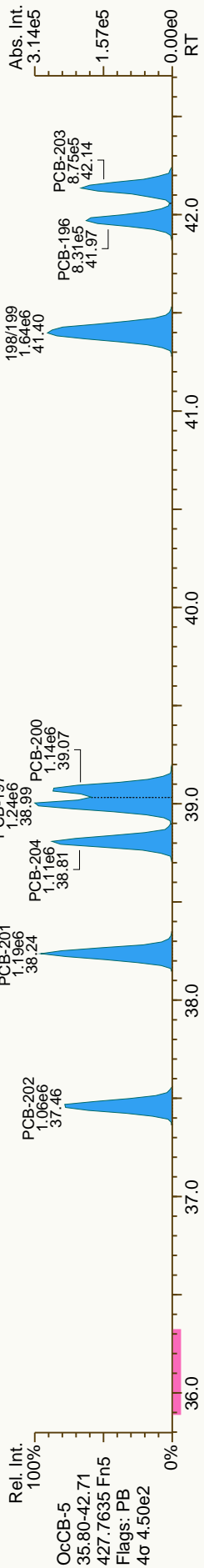


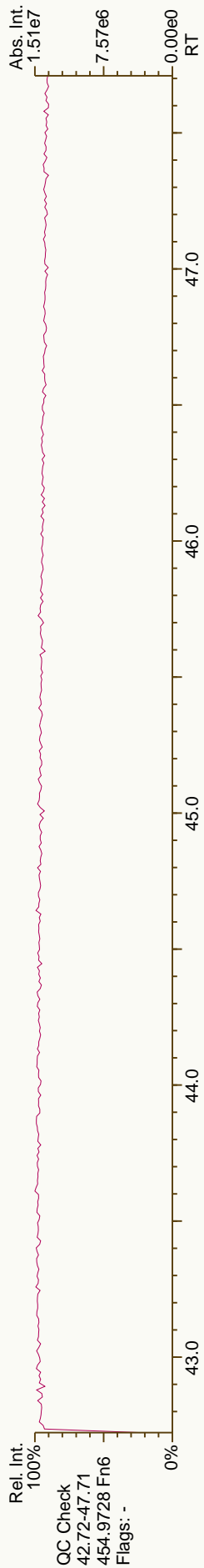
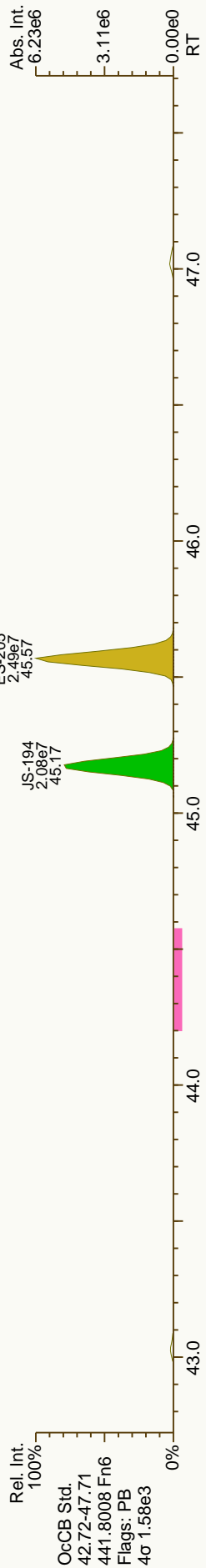
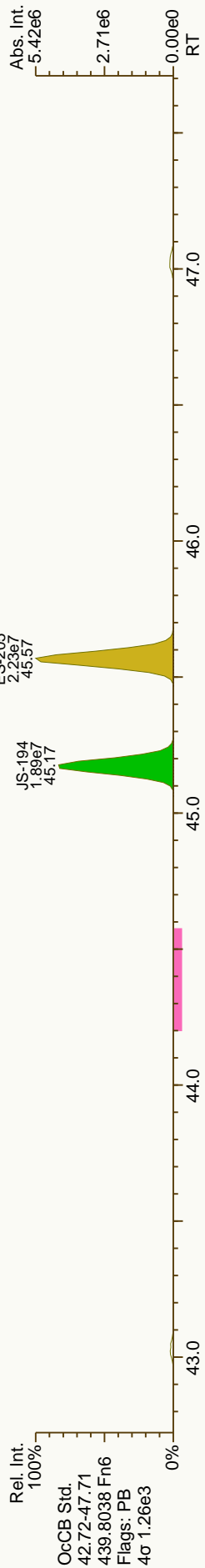
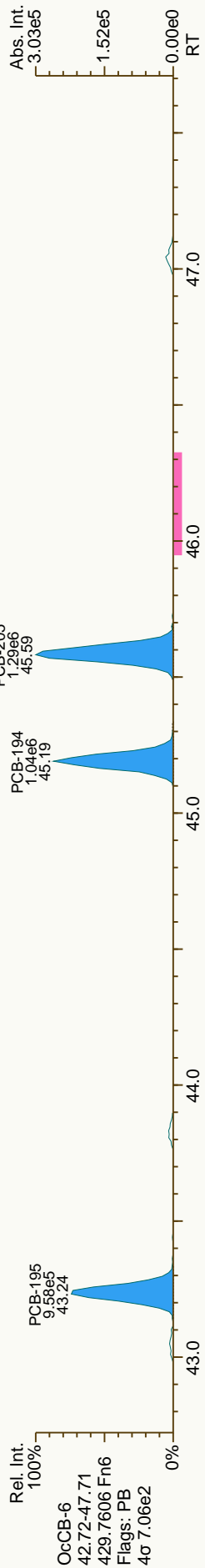
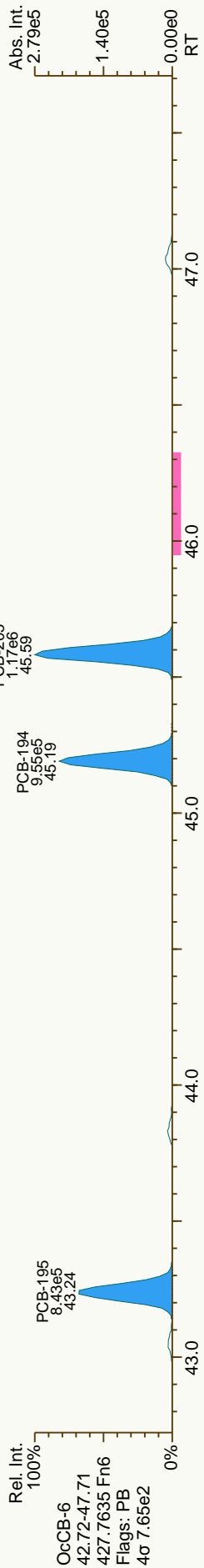


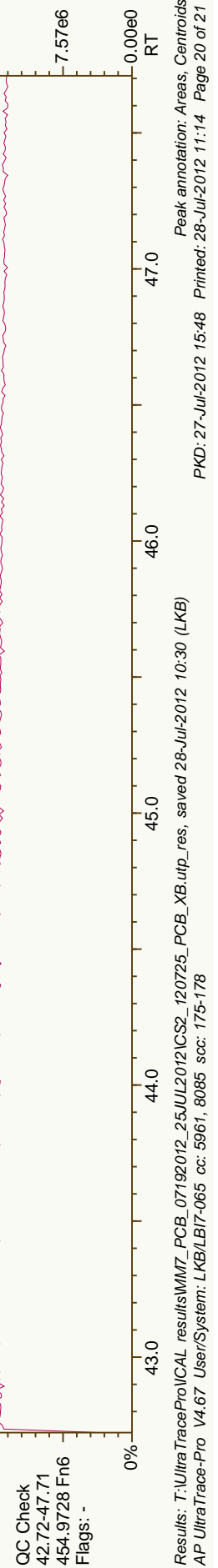
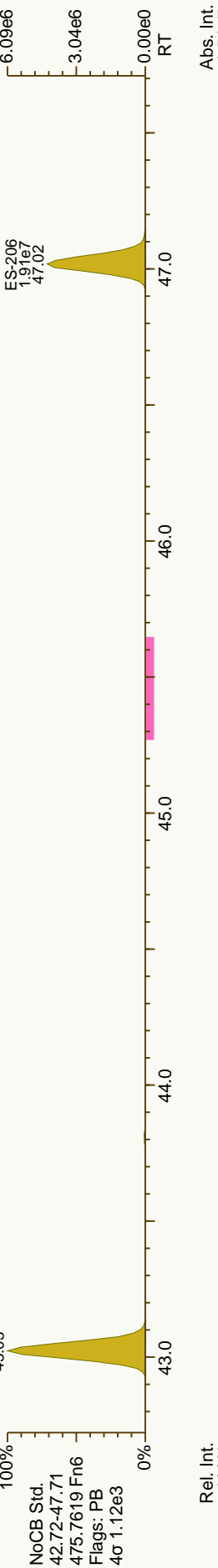
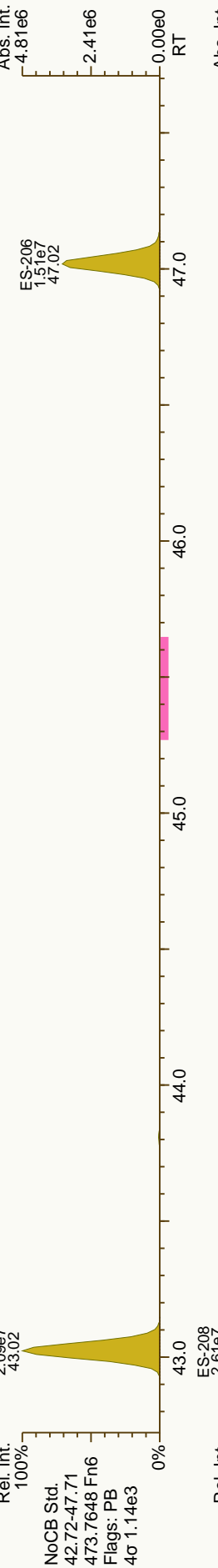
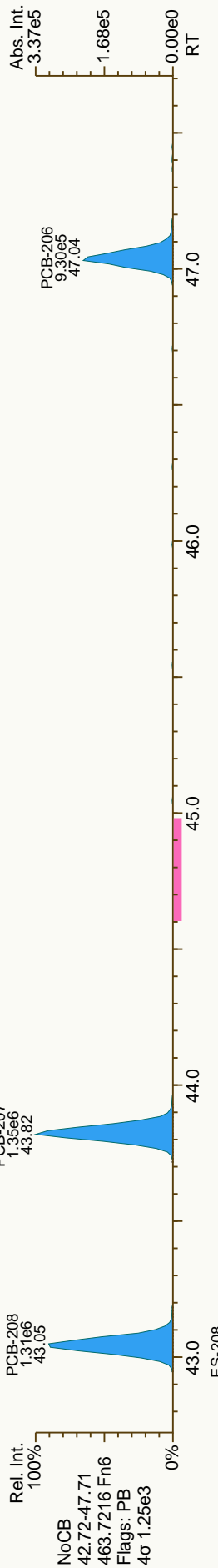
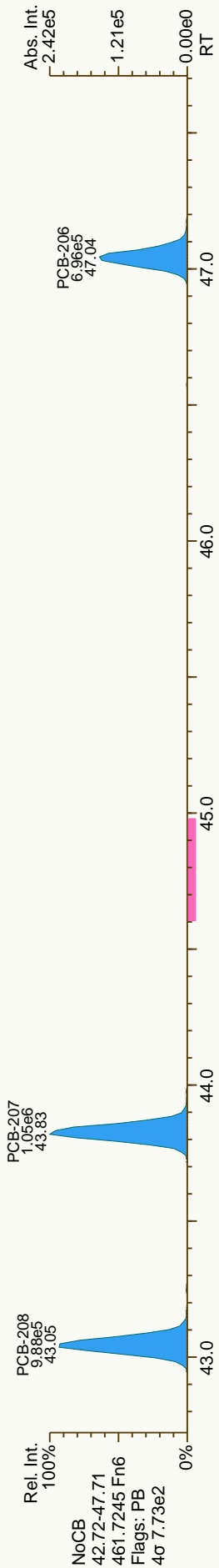


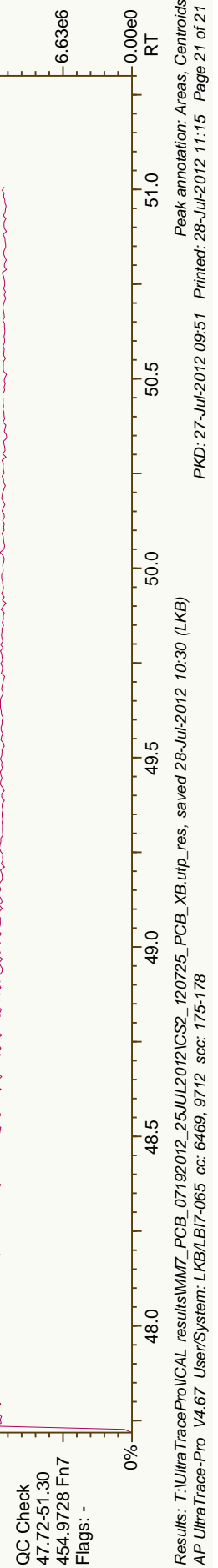
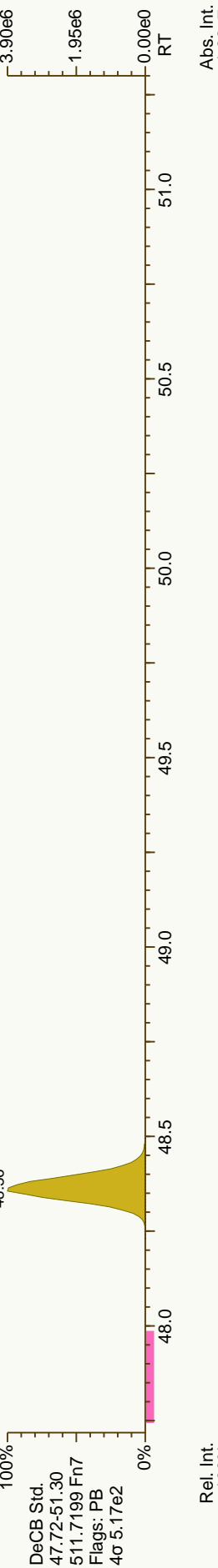
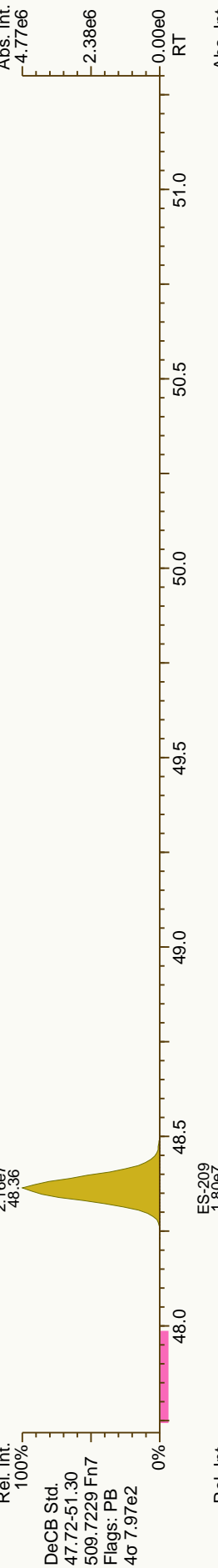
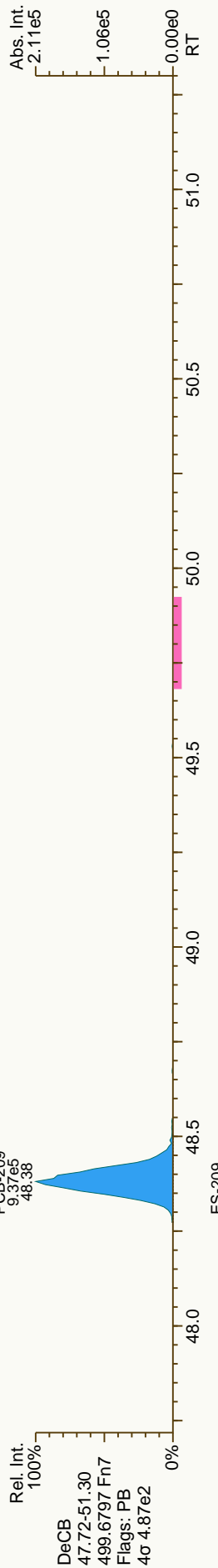
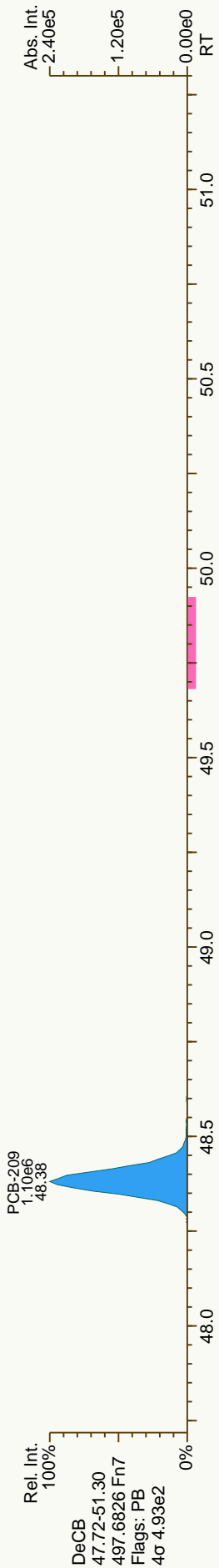












PCB QC Summary **SGS Analytical Perspectives** **Printed: 28-Jul-2012 10:13**

Lab ID: CS3_120725_PCB_XB
 Acquired: 26-JUL-2012 05:38
 Datafile: 120725X18
 ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	30.54	4.63E+07	0.78 Y	1.13	1.16	2.5%
PCB-81 344'5'-TeCB	30.07	4.46E+07	0.77 Y	1.13	1.17	3.8%
PCB-105 233'44'-PeCB	33.48	3.82E+07	0.62 Y	1.09	1.14	4.0%
PCB-114 2344'5'-PeCB	32.95	4.13E+07	0.62 Y	1.16	1.22	4.9%
PCB-118 23'44'5'-PeCB	32.50	3.95E+07	0.62 Y	1.11	1.13	1.9%
PCB-123 2'344'5'-PeCB	32.23	3.83E+07	0.62 Y	1.19	1.16	-2.8%
PCB-126 33'44'5'-PeCB	36.07	3.52E+07	0.62 Y	1.06	1.08	1.4%
PCB-156/157 233'44'5'/233'44'5'	38.60	7.30E+07	1.25 Y	1.11	1.13	2.5%
PCB-167 23'44'55'-HxCB	37.64	3.89E+07	1.25 Y	1.14	1.18	4.2%
PCB-169 33'44'55'-HxCB	41.31	3.54E+07	1.25 Y	1.11	1.15	3.2%
PCB-189 233'44'55'-HpCB	43.42	3.22E+07	1.05 Y	1.06	1.08	2.5%
PCB-209 DeCB	48.37	2.17E+07	1.19 Y	1.07	1.09	1.3%
ES PCB-1	10.64	1.20E+08	3.16 Y	1.08	1.08	0.1%
ES PCB-3	12.69	1.20E+08	3.25 Y	1.08	1.08	0.1%
ES PCB-4	12.91	5.40E+07	1.61 Y	0.49	0.49	0.2%
ES PCB-15	18.23	1.22E+08	1.59 Y	1.11	1.11	-0.4%
ES PCB-19	15.75	6.15E+07	1.05 Y	0.55	0.56	0.5%
ES PCB-37	24.31	9.76E+07	1.07 Y	1.64	1.63	-0.4%
ES PCB-54	18.48	5.65E+07	0.77 Y	0.94	0.94	0.3%
ES PCB-77	30.52	7.97E+07	0.80 Y	1.35	1.33	-1.2%
ES PCB-81	30.05	7.63E+07	0.79 Y	1.29	1.27	-1.1%
ES PCB-104	23.27	5.46E+07	1.56 Y	0.99	0.99	-0.5%
ES PCB-105	33.46	6.72E+07	1.62 Y	1.23	1.22	-1.4%
ES PCB-114	32.93	6.79E+07	1.60 Y	1.25	1.23	-1.4%
ES PCB-118	32.48	7.00E+07	1.61 Y	1.28	1.27	-1.1%
ES PCB-123	32.20	6.64E+07	1.62 Y	1.22	1.20	-1.4%
ES PCB-126	36.06	6.54E+07	1.58 Y	1.20	1.19	-1.2%
ES PCB-153	34.06	5.09E+07	1.27 Y	1.14	1.14	0.3%
ES PCB-155	28.12	6.79E+07	1.28 Y	1.50	1.53	2.1%
ES PCB-156/157	38.58	1.29E+08	1.26 Y	1.45	1.45	-0.6%
ES PCB-167	37.62	6.58E+07	1.27 Y	1.49	1.48	-1.0%
ES PCB-169	41.29	6.18E+07	1.26 Y	1.40	1.39	-1.0%
ES PCB-170	40.79	4.01E+07	1.06 Y	1.00	1.01	0.8%
ES PCB-180	39.75	4.70E+07	1.06 Y	1.16	1.18	2.0%
ES PCB-188	32.93	5.30E+07	1.07 Y	1.18	1.19	1.1%
ES PCB-189	43.40	5.95E+07	1.06 Y	1.49	1.50	0.7%
ES PCB-202	37.43	5.04E+07	0.91 Y	1.14	1.13	-0.4%
ES PCB-205	45.55	4.77E+07	0.90 Y	1.20	1.20	-0.2%
ES PCB-206	47.01	3.46E+07	0.78 Y	0.87	0.87	0.2%
ES PCB-208	43.01	4.78E+07	0.80 Y	1.19	1.20	1.1%
ES PCB-209	48.35	4.00E+07	1.19 Y	1.00	1.01	0.4%

PCB QC Summary **SGS Analytical Perspectives** **Printed: 28-Jul-2012 10:13**

Lab ID: Cs3_120725_PCB_XB ICAL: MM7_PCB_07132012_25JUL12
 Acquired: 26-JUL-2012 05:38
 Datafile: 120725X18

Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	20.88	1.05E+08	1.06 Y	1.07	1.08	0.5%
SS PCB-111	30.57	6.66E+07	1.59 Y	1.01	1.00	-0.1%
SS PCB-178	35.48	3.28E+07	1.04 Y	0.63	0.62	-1.3%
CS PCB-28	20.88	1.05E+08	1.06 Y	1.76	1.76	0.2%
CS PCB-111	30.57	6.66E+07	1.59 Y	1.23	1.21	-1.5%
CS PCB-178	35.48	3.28E+07	1.04 Y	0.74	0.74	-0.2%
JS PCB-9	14.74	1.10E+08	1.58 Y	-	-	-
JS PCB-52	22.45	5.99E+07	0.82 Y	-	-	-
JS PCB-101	28.30	5.52E+07	1.58 Y	-	-	-
JS PCB-138	35.09	4.45E+07	1.27 Y	-	-	-
JS PCB-194	45.16	3.97E+07	0.90 Y	-	-	-
PCB-1 2-MoCB	10.65	6.48E+07	3.19 Y	1.03	1.08	5.0%
PCB-3 4-MoCB	12.70	6.51E+07	3.18 Y	1.04	1.09	4.3%
PCB-4 22'-DiCB	12.93	3.30E+07	1.62 Y	1.17	1.22	4.3%
PCB-15 44'-DiCB	18.25	6.74E+07	1.58 Y	1.08	1.10	2.1%
PCB-19 22'6'-TrCB	15.76	3.50E+07	1.07 Y	1.09	1.14	4.3%
PCB-37 344'-TrCB	24.33	5.55E+07	1.04 Y	1.10	1.14	2.9%
PCB-54 22'66'-TeCB	18.50	3.58E+07	0.79 Y	1.21	1.27	4.8%
PCB-104 22'466'-PeCB	23.29	3.59E+07	0.63 Y	1.25	1.32	5.0%
PCB-153 22'44'55'-HxCB	34.10	6.50E+07	1.27 Y	1.22	1.28	4.7%
PCB-155 22'44'66'-HxCB	28.14	3.83E+07	1.27 Y	1.09	1.13	3.3%
PCB-170 22'33'44'5'-HpCB	40.81	2.24E+07	1.03 Y	1.07	1.12	4.0%
PCB-180 22'344'55'-HpCB	39.74	5.59E+07	1.05 Y	1.16	1.19	2.8%
PCB-188 22'34'566'-HpCB	32.95	2.85E+07	1.06 Y	1.03	1.08	4.1%
PCB-202 22'33'55'66'-OcCB	37.45	2.39E+07	0.90 Y	0.91	0.95	3.9%
PCB-205 233'44'55'6'-OcCB	45.57	2.66E+07	0.89 Y	1.09	1.11	2.4%
PCB-208 22'33'455'66'-NoCB	43.03	2.52E+07	0.78 Y	1.02	1.06	3.8%
PCB-206 22'33'44'55'6'-NoCB	47.03	1.75E+07	0.77 Y	0.98	1.01	3.6%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

Lab ID: CS3_120725_PCB_XB
 Acquired: 26-JUL-2012 05:38
 Datafile: 120725X18

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.65	6.48E+07	3.19 Y	1.03	1.08	5.0%
PCB-2 3-MoCB	12.54	6.51E+07	3.23 Y	1.04	1.09	4.4%
PCB-3 4-MoCB	12.70	6.51E+07	3.18 Y	1.04	1.09	4.3%
PCB-4 22'-DiCB	12.93	3.30E+07	1.62 Y	1.17	1.22	4.3%
PCB-10 26-DiCB	13.09	5.16E+07	1.60 Y	1.83	1.91	4.4%
PCB-9 25-DiCB	14.75	5.79E+07	1.60 Y	0.89	0.95	6.0%
PCB-7 24-DiCB	14.91	6.59E+07	1.60 Y	1.02	1.08	5.3%
PCB-6 23'-DiCB	15.11	6.19E+07	1.61 Y	0.95	1.01	6.9%
PCB-5 23-DiCB	15.39	6.27E+07	1.58 Y	0.97	1.03	5.6%
PCB-8 24'-DiCB	15.50	6.34E+07	1.58 Y	0.98	1.04	5.6%
PCB-14 35-DiCB	16.97	7.41E+07	1.58 Y	1.16	1.21	4.8%
PCB-11 33'-DiCB	17.70	6.40E+07	1.59 Y	1.00	1.05	5.0%
PCB-13/12 34'-/34-DiCB	17.98	1.31E+08	1.58 Y	1.02	1.07	5.1%
PCB-15 44'-DiCB	18.25	6.74E+07	1.58 Y	1.08	1.10	2.1%
PCB-19 22'6-TrCB	15.76	3.50E+07	1.07 Y	1.09	1.14	4.3%
PCB-30/18 246-/22'5-TrCB	17.43	9.40E+07	1.07 Y	1.46	1.53	4.7%
PCB-17 22'4-TrCB	17.80	4.05E+07	1.07 Y	1.25	1.32	5.3%
PCB-27 23'6-TrCB	17.99	5.38E+07	1.06 Y	1.69	1.75	3.4%
PCB-24 236-TrCB	18.11	5.16E+07	1.06 Y	1.63	1.68	2.8%
PCB-16 22'3-TrCB	18.19	3.16E+07	1.07 Y	0.95	1.03	7.9%
PCB-32 24'6-TrCB	18.66	5.72E+07	1.06 Y	1.79	1.86	4.1%
PCB-34 2'35-TrCB	19.77	5.37E+07	1.04 Y	1.05	1.10	5.1%
PCB-23 235-TrCB	19.91	5.44E+07	1.04 Y	1.06	1.11	5.4%
PCB-26/29 23'5-/24'5-TrCB	20.18	1.11E+08	1.04 Y	1.09	1.14	4.8%
PCB-25 23'4-TrCB	20.37	5.54E+07	1.04 Y	1.07	1.14	5.6%
PCB-31 24'5-TrCB	20.64	5.71E+07	1.05 Y	1.11	1.17	5.3%
PCB-28/20 244'-/233'-TrCB	20.90	1.09E+08	1.04 Y	1.07	1.12	4.5%
PCB-21/33 234-/2'34-TrCB	21.07	1.12E+08	1.04 Y	1.09	1.15	5.0%
PCB-22 234'-TrCB	21.44	5.20E+07	1.05 Y	1.02	1.07	5.0%
PCB-36 33'5-TrCB	22.79	5.71E+07	1.05 Y	1.13	1.17	3.7%
PCB-39 34'5-TrCB	23.10	5.96E+07	1.04 Y	1.17	1.22	4.8%
PCB-38 345-TrCB	23.60	5.33E+07	1.05 Y	1.03	1.09	5.8%
PCB-35 334-TrCB	23.98	5.24E+07	1.03 Y	1.04	1.07	3.3%
PCB-37 344'-TrCB	24.33	5.55E+07	1.04 Y	1.10	1.14	2.9%
PCB-54 22'66-TeCB	18.50	3.58E+07	0.79 Y	1.21	1.27	4.8%
PCB-50/53 22'46-/22'56-TeCB	20.41	6.93E+07	0.79 Y	0.86	0.91	6.1%
PCB-45 22'36-TeCB	20.97	3.01E+07	0.79 Y	0.73	0.79	7.9%
PCB-51 22'46'-TeCB	21.04	3.52E+07	0.80 Y	0.88	0.92	5.1%
PCB-46 22'36'-TeCB	21.23	2.82E+07	0.78 Y	0.70	0.74	6.5%
PCB-52 22'55'-TeCB	22.47	3.39E+07	0.78 Y	0.84	0.89	5.6%
PCB-73 23'56TeCB	22.59	4.36E+07	0.79 Y	1.09	1.14	4.8%
PCB-43 22'35-TeCB	22.68	2.98E+07	0.79 Y	0.72	0.78	8.0%
PCB-69/49 23'46-/22'45TeCB	22.87	8.21E+07	0.79 Y	1.01	1.08	6.2%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

Lab ID: CS3_120725_PCB_XB
 Acquired: 26-JUL-2012 05:38
 Datafile: 120725X18

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.14	3.42E+07	0.79 Y	0.85	0.90	5.4%
PCB-44/47/65 22'35'-/22'44'-	23.35	1.08E+08	0.79 Y	0.89	0.95	6.4%
PCB-59/62/75 23'36'-/23'46'-/24	23.62	1.40E+08	0.80 Y	1.14	1.22	7.3%
PCB-42 22'34'-TeCB	23.77	3.12E+07	0.79 Y	0.77	0.82	5.9%
PCB-41 22'34'-TeCB	24.09	2.84E+07	0.79 Y	0.73	0.75	2.6%
PCB-71/40 23'46'/22'33'-TeCB	24.19	7.05E+07	0.79 Y	0.87	0.92	6.7%
PCB-64 23'46'-TeCB	24.39	4.94E+07	0.79 Y	1.24	1.29	4.7%
PCB-72 23'55'-TeCB	25.11	4.61E+07	0.78 Y	1.14	1.21	5.7%
PCB-68 23'45'-TeCB	25.36	4.83E+07	0.79 Y	1.21	1.27	4.6%
PCB-57 23'35'-TeCB	25.71	4.48E+07	0.79 Y	1.11	1.18	6.4%
PCB-58 23'35'-TeCB	25.91	4.45E+07	0.79 Y	1.10	1.17	6.1%
PCB-67 23'45'-TeCB	26.06	4.63E+07	0.77 Y	1.16	1.21	4.5%
PCB-63 23'45'-TeCB	26.28	4.93E+07	0.78 Y	1.22	1.29	6.4%
PCB-61/70/74/76 23'45'-/23'4'5	26.56	1.83E+08	0.78 Y	1.13	1.20	5.9%
PCB-66 23'44'-TeCB	26.84	4.32E+07	0.78 Y	1.08	1.13	5.4%
PCB-55 23'34'-TeCB	26.97	4.39E+07	0.78 Y	1.10	1.15	5.0%
PCB-56 23'34'-TeCB	27.40	4.26E+07	0.78 Y	1.06	1.12	5.8%
PCB-60 23'44'-TeCB	27.59	4.44E+07	0.78 Y	1.11	1.16	4.7%
PCB-80 33'55'-TeCB	27.94	5.03E+07	0.79 Y	1.25	1.32	5.3%
PCB-79 33'45'-TeCB	29.23	5.00E+07	0.78 Y	1.23	1.31	6.3%
PCB-78 33'45'-TeCB	29.70	4.27E+07	0.78 Y	1.08	1.12	3.7%
PCB-104 22'466'-PeCB	23.29	3.59E+07	0.63 Y	1.25	1.32	5.0%
PCB-96 22'366'-PeCB	23.59	3.10E+07	0.64 Y	1.08	1.14	5.7%
PCB-103 22'45'6'-PeCB	25.27	3.14E+07	0.63 Y	0.90	0.95	5.0%
PCB-94 22'356'-PeCB	25.44	2.75E+07	0.62 Y	0.78	0.83	6.8%
PCB-95 22'35'6'-PeCB	25.81	2.93E+07	0.62 Y	0.83	0.88	7.1%
PCB-100/93 22'44'6'-/22'356'-P	26.02	6.08E+07	0.62 Y	0.84	0.92	8.6%
PCB-102 22'456'-PeCB	26.13	3.09E+07	0.62 Y	0.90	0.93	3.4%
PCB-98 22'3'46'-PeCB	26.19	2.73E+07	0.62 Y	0.77	0.82	6.4%
PCB-88 22'346'-PeCB	26.48	2.77E+07	0.61 Y	0.79	0.84	5.4%
PCB-91 22'34'6'-PeCB	26.55	3.08E+07	0.63 Y	0.88	0.93	5.4%
PCB-84 22'33'6'-PeCB	26.73	2.50E+07	0.63 Y	0.71	0.75	6.3%
PCB-89 22'346'-PeCB	27.14	2.67E+07	0.62 Y	0.76	0.81	5.9%
PCB-121 23'45'6'-PeCB	27.52	3.99E+07	0.62 Y	1.14	1.20	5.1%
PCB-92 22'355'-PeCB	27.82	2.81E+07	0.62 Y	0.80	0.85	5.7%
PCB-113/90/101 23'35'6'-/22'3	28.29	9.82E+07	0.62 Y	0.93	0.99	5.5%
PCB-83 22'335'-PeCB	28.71	2.51E+07	0.61 Y	0.71	0.76	6.1%
PCB-99 22'44'5'-PeCB	28.81	3.04E+07	0.62 Y	0.87	0.92	5.0%
PCB-112 23'35'6'-PeCB	28.91	3.83E+07	0.63 Y	1.13	1.16	2.6%
PCB-108/119/86/97/125/87 233	29.24	1.99E+08	0.62 Y	0.95	1.00	5.5%
PCB-117 23'4'56'-PeCB	29.77	3.45E+07	0.62 Y	1.04	1.04	0.1%
PCB-116/85 23'456'-/22'344'-Pe	29.85	6.84E+07	0.63 Y	0.97	1.03	6.0%
PCB-110 23'3'4'6'-PeCB	29.97	3.56E+07	0.62 Y	1.02	1.07	4.9%

PCB QC Summary - Ax2 Detail

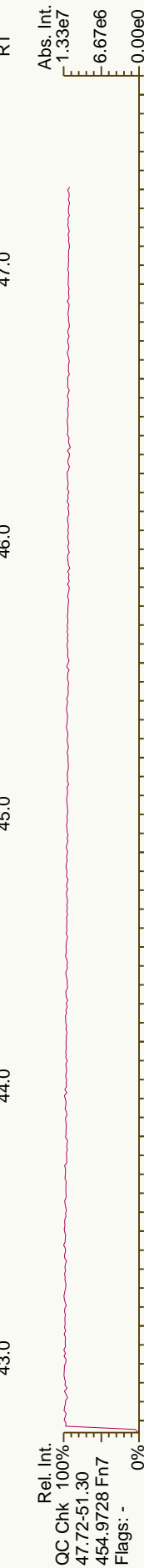
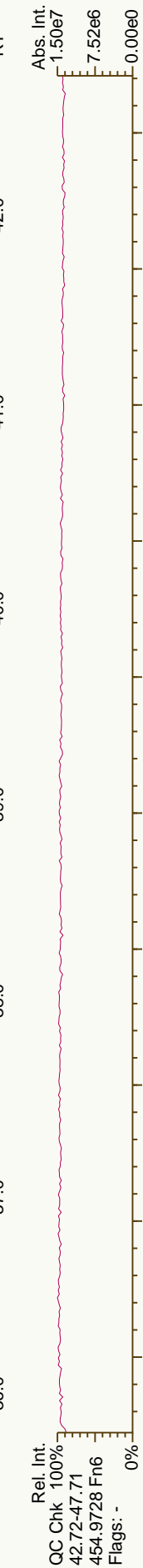
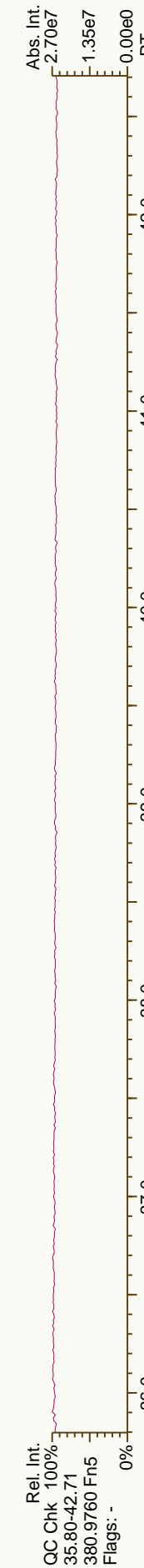
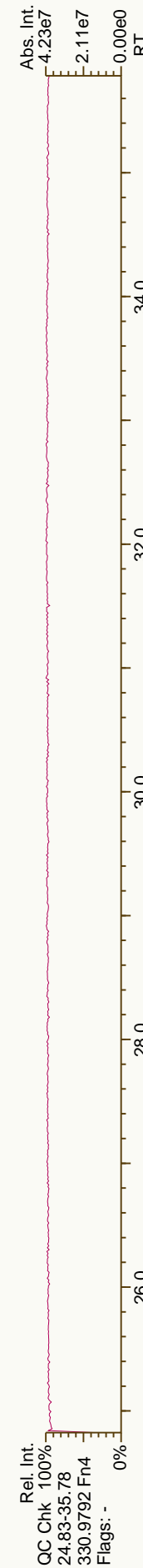
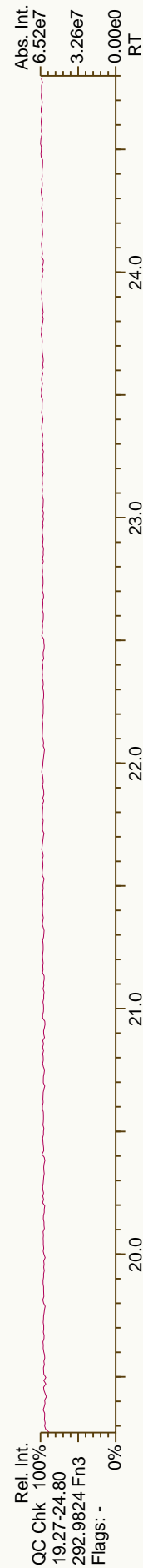
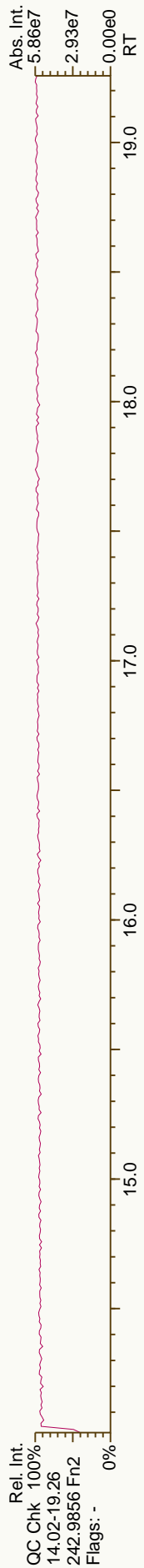
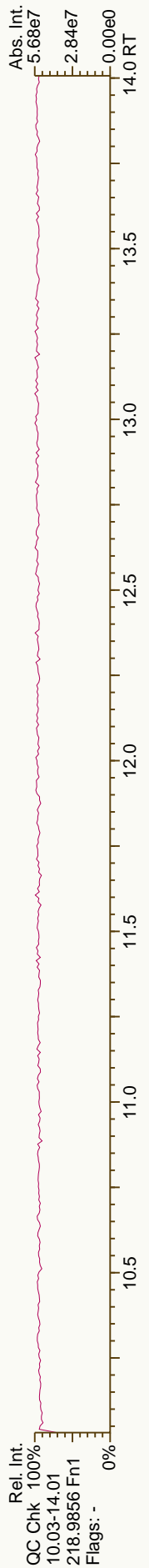
ICAL: MM7_PCB_07132012_25JUL12

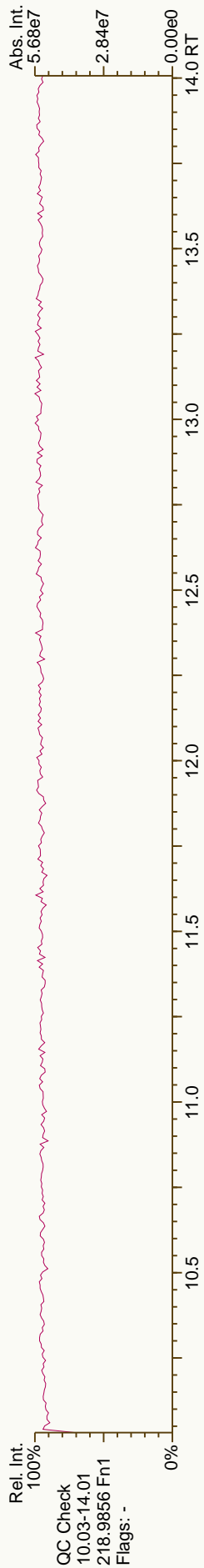
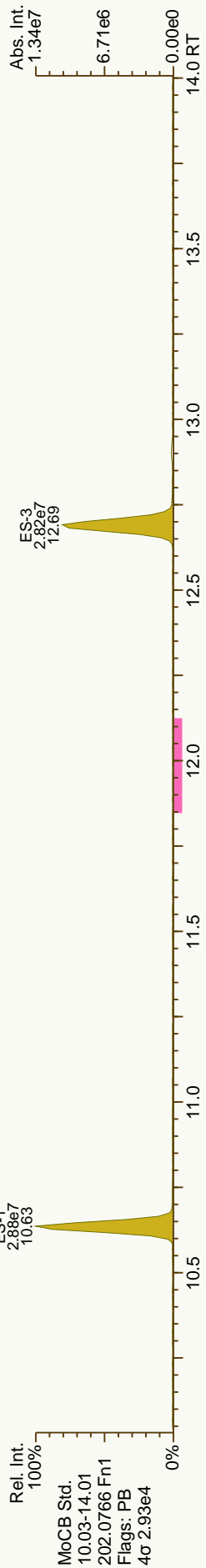
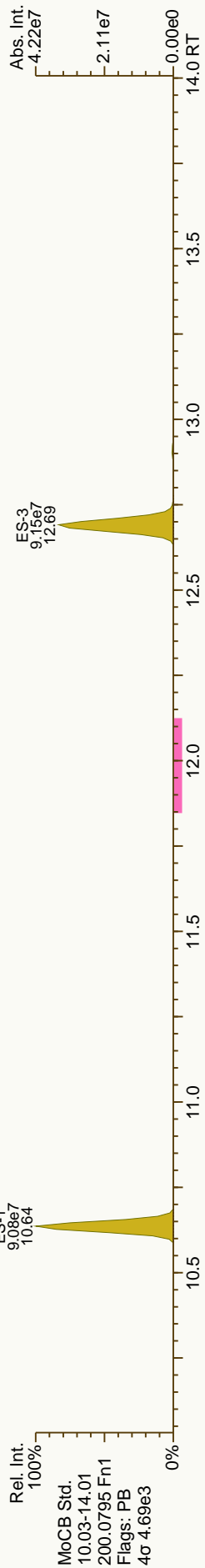
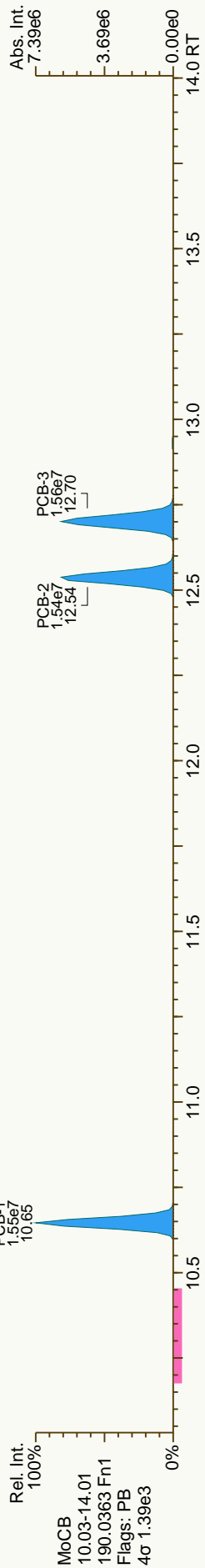
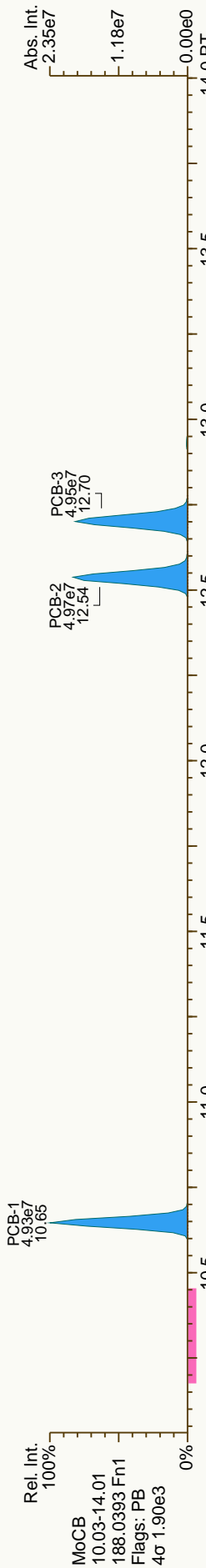
Lab ID: CS3_120725_PCB_XB
 Acquired: 26-JUL-2012 05:38
 Datafile: 120725X18

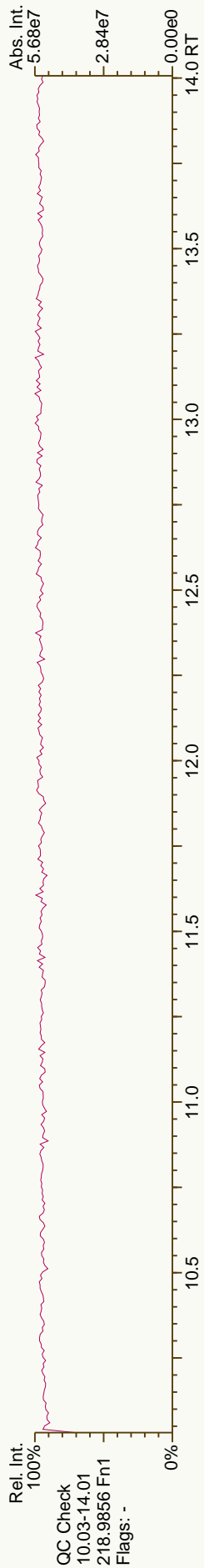
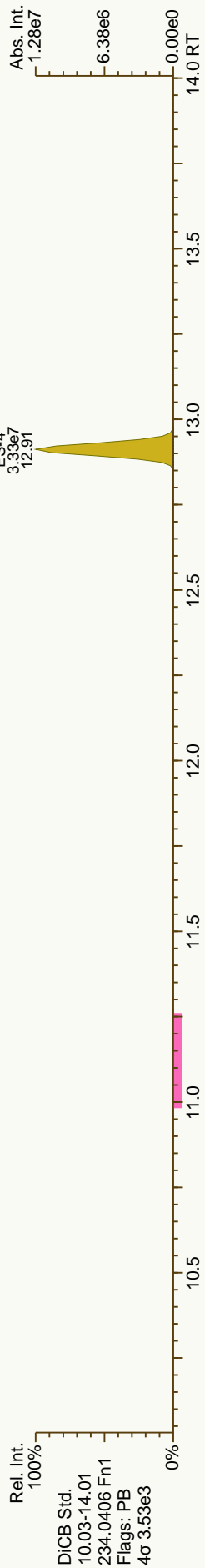
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6-PeCB	30.05	3.95E+07	0.63 Y	1.16	1.19	2.8%
PCB-82 22'33'4-PeCB	30.24	2.40E+07	0.62 Y	0.69	0.72	4.9%
PCB-111 233'55'-PeCB	30.59	4.00E+07	0.62 Y	1.15	1.21	4.5%
PCB-120 23'455'-PeCB	30.98	4.00E+07	0.62 Y	1.16	1.20	3.8%
PCB-107/124 233'4'5'-/2'3455'	31.92	7.50E+07	0.62 Y	1.07	1.13	5.3%
PCB-109 233'46-PeCB	32.13	4.08E+07	0.62 Y	1.14	1.23	7.6%
PCB-106 233'45-PeCB	32.33	3.79E+07	0.62 Y	1.07	1.14	6.7%
PCB-122 2'33'45-PeCB	32.78	3.53E+07	0.62 Y	1.00	1.04	3.8%
PCB-127 33'455'-PeCB	34.73	3.83E+07	0.63 Y	1.10	1.14	3.7%
PCB-155 22'44'66'-HxCB	28.14	3.83E+07	1.27 Y	1.09	1.13	3.3%
PCB-152 22'3'566'-HxCB	28.28	3.56E+07	1.25 Y	1.01	1.05	3.4%
PCB-150 22'34'66'-HxCB	28.43	3.62E+07	1.26 Y	1.00	1.07	6.1%
PCB-136 22'33'66'-HxCB	28.72	3.36E+07	1.29 Y	0.95	0.99	3.7%
PCB-145 22'34'66'-HxCB	28.99	3.41E+07	1.28 Y	0.96	1.00	4.4%
PCB-148 22'34'56'-HxCB	30.27	2.59E+07	1.26 Y	0.97	1.02	5.0%
PCB-151/135 22'355'6'-/22'33'	30.77	5.08E+07	1.26 Y	0.96	1.00	3.6%
PCB-154 22'44'5'6'-HxCB	30.99	2.89E+07	1.24 Y	1.09	1.14	4.3%
PCB-144 22'345'6'-HxCB	31.24	2.61E+07	1.29 Y	0.98	1.03	4.6%
PCB-147/149 22'34'56'-/22'34'	31.54	5.27E+07	1.27 Y	0.99	1.03	5.0%
PCB-134 22'33'56'-HxCB	31.70	2.09E+07	1.26 Y	0.80	0.82	2.8%
PCB-143 22'3456'-HxCB	31.78	2.52E+07	1.27 Y	0.95	0.99	3.6%
PCB-139/140 22'344'6'-/22'344'	32.05	5.33E+07	1.27 Y	1.00	1.05	4.8%
PCB-131 22'33'46'-HxCB	32.21	2.26E+07	1.27 Y	0.85	0.89	4.7%
PCB-142 22'3456'-HxCB	32.34	2.31E+07	1.28 Y	0.87	0.91	3.8%
PCB-132 22'33'46'-HxCB	32.58	2.37E+07	1.26 Y	0.89	0.93	4.7%
PCB-133 22'33'55'-HxCB	33.02	2.44E+07	1.25 Y	0.91	0.96	4.9%
PCB-165 233'55'6'-HxCB	33.35	3.01E+07	1.27 Y	1.13	1.18	4.4%
PCB-146 22'34'55'-HxCB	33.56	2.62E+07	1.23 Y	1.01	1.03	2.1%
PCB-161 233'45'6'-HxCB	33.68	3.40E+07	1.30 Y	1.25	1.33	6.5%
PCB-153/168 22'44'55'-/23'44'	34.10	6.50E+07	1.27 Y	1.22	1.28	4.7%
PCB-141 22'3455'-HxCB	34.24	2.45E+07	1.26 Y	0.93	0.96	3.9%
PCB-130 22'33'45'-HxCB	34.57	2.22E+07	1.25 Y	0.85	0.87	2.9%
PCB-137 22'344'5'-HxCB	34.77	2.82E+07	1.26 Y	1.04	1.11	6.4%
PCB-164 233'4'5'6'-HxCB	34.85	3.12E+07	1.27 Y	1.22	1.23	0.4%
PCB-163/138/129 233'4'56'-/22'	35.14	8.17E+07	1.27 Y	1.02	1.07	4.6%
PCB-160 233'456'-HxCB	35.26	3.15E+07	1.26 Y	1.21	1.24	2.6%
PCB-158 233'44'6'-HxCB	35.45	3.50E+07	1.27 Y	1.34	1.38	3.0%
PCB-128/166 22'33'44'-/2344'5	36.17	6.11E+07	1.26 Y	0.90	0.93	3.4%
PCB-159 233'455'-HxCB	37.01	3.64E+07	1.25 Y	1.06	1.11	4.1%
PCB-162 233'4'55'-HxCB	37.24	3.67E+07	1.24 Y	1.08	1.12	3.9%
PCB-188 22'34'566'-HpCB	32.95	2.85E+07	1.06 Y	1.03	1.08	4.1%
PCB-179 22'33'566'-HpCB	33.22	2.67E+07	1.05 Y	0.97	1.01	4.1%
PCB-184 22'344'66'-HpCB	33.68	2.58E+07	1.05 Y	0.93	0.97	4.5%

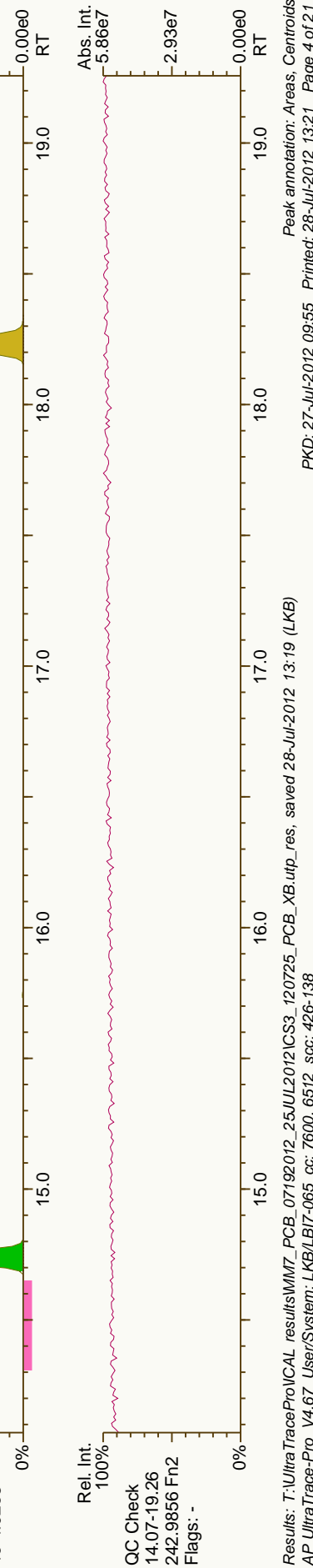
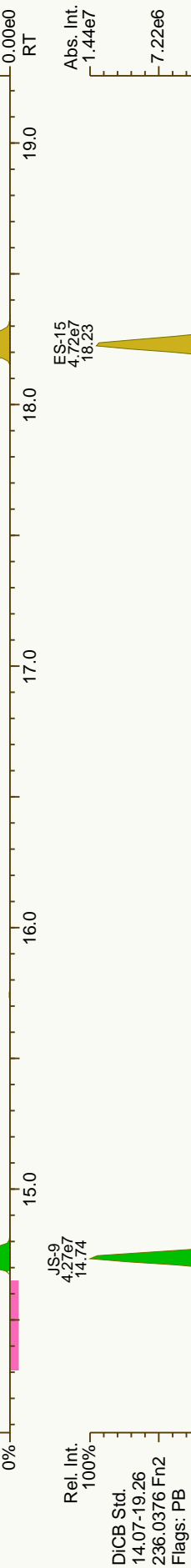
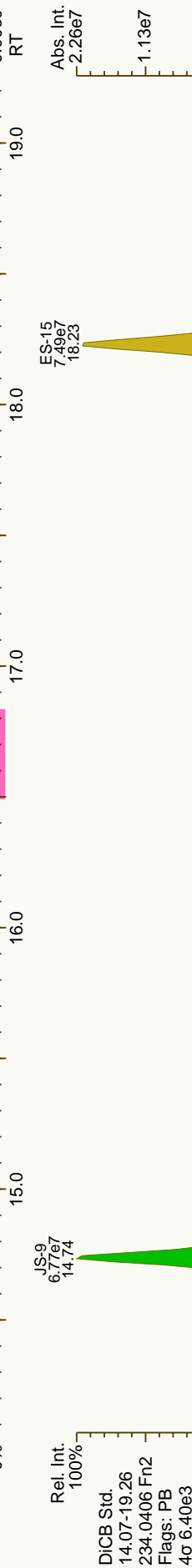
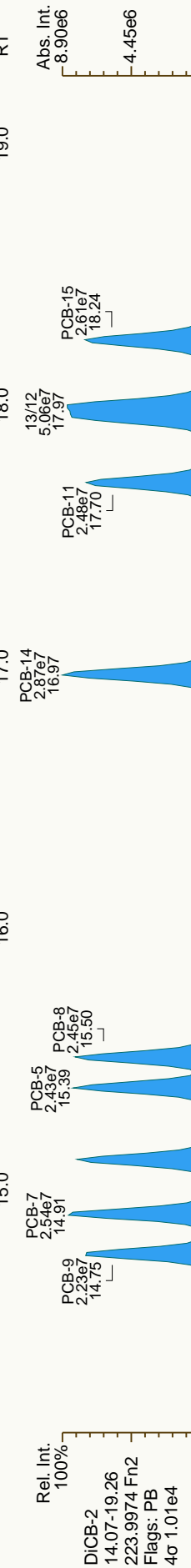
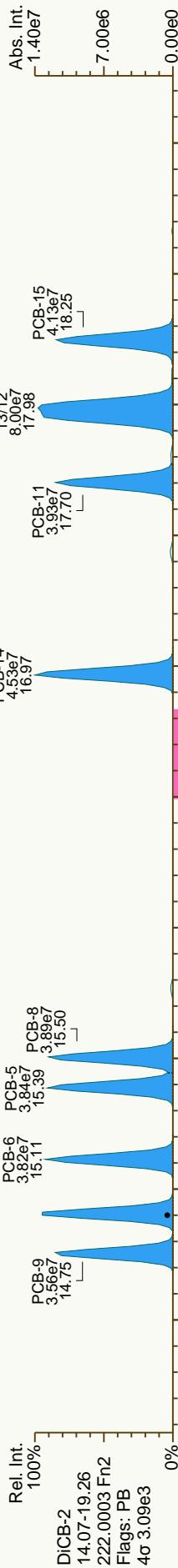
PCB QC Summary - Ax2 Detail

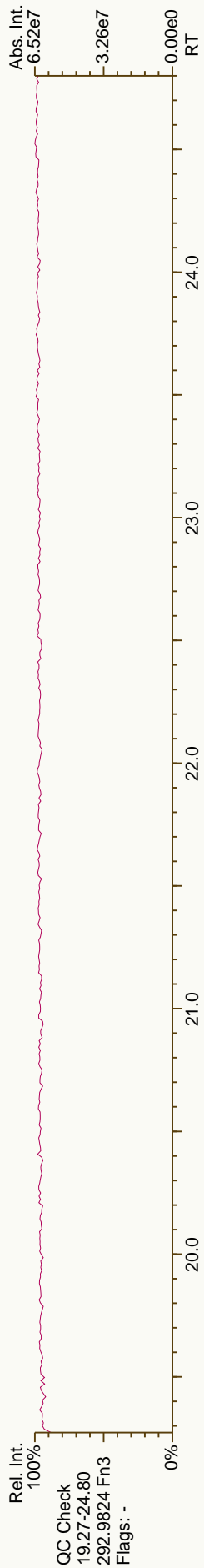
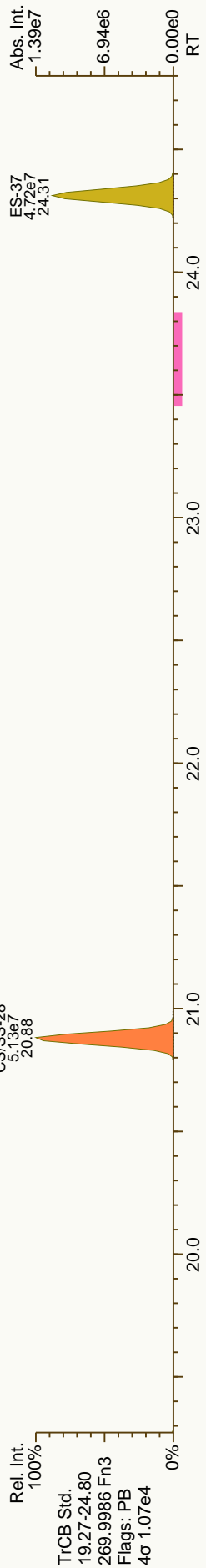
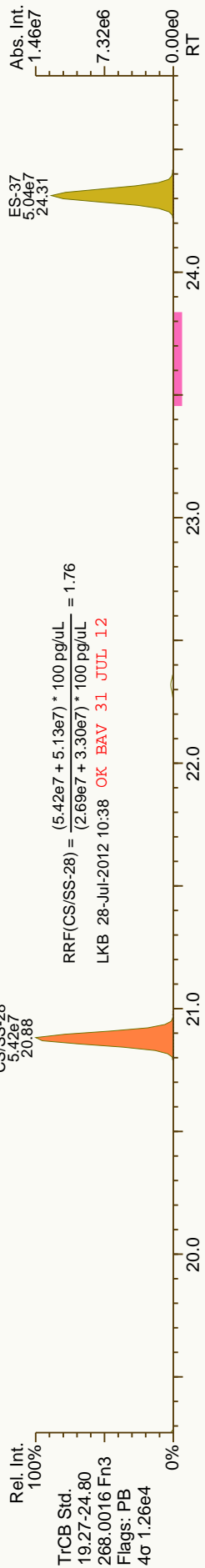
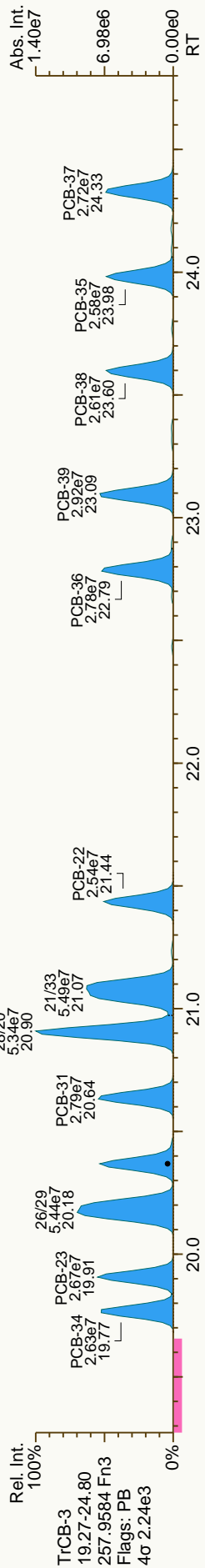
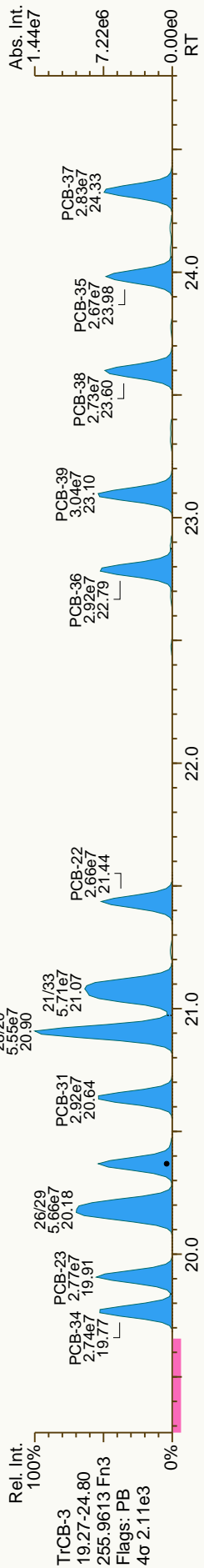
Lab ID:	CS3_120725_PCB_XB		ICAL: MM7_PCB_07132012_25JUL12			
Acquired:	26-JUL-2012 05:38					
Datafile:	120725X18					
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-176 22'33'466'-HpCB	33.96	2.89E+07	1.07 Y	1.05	1.09	4.0%
PCB-186 22'34'566'-HpCB	34.35	2.69E+07	1.05 Y	0.98	1.02	3.6%
PCB-178 22'33'55'6'-HpCB	35.50	1.99E+07	1.06 Y	0.74	0.75	2.3%
PCB-175 22'33'45'6'-HpCB	36.04	2.50E+07	1.07 Y	1.01	1.06	5.6%
PCB-187 22'34'55'6'-HpCB	36.27	2.62E+07	1.07 Y	1.06	1.12	5.0%
PCB-182 22'34'4'56'-HpCB	36.44	2.67E+07	1.05 Y	1.11	1.14	2.4%
PCB-183 22'34'4'56'-HpCB	36.78	2.80E+07	1.04 Y	1.13	1.19	5.4%
PCB-185 22'34'55'6'-HpCB	36.86	2.44E+07	1.06 Y	1.02	1.04	2.1%
PCB-174 22'33'45'6'-HpCB	36.96	2.22E+07	1.06 Y	0.93	0.95	2.2%
PCB-177 22'33'4'56'-HpCB	37.33	2.20E+07	1.06 Y	0.91	0.94	3.6%
PCB-181 22'34'4'56'-HpCB	37.68	2.53E+07	1.04 Y	1.06	1.08	1.4%
PCB-171/173 22'33'44'6'-/22'3	37.85	4.48E+07	1.05 Y	0.93	0.95	2.7%
PCB-172 22'33'45'5'-HpCB	39.22	2.28E+07	1.06 Y	0.95	0.97	1.9%
PCB-192 233'45'5'6'-HpCB	39.46	2.98E+07	1.07 Y	1.24	1.27	2.3%
PCB-180/193 22'34'4'55'-/233'	39.74	5.59E+07	1.05 Y	1.16	1.19	2.8%
PCB-191 233'44'5'6'-HpCB	40.06	3.10E+07	1.05 Y	1.30	1.32	1.4%
PCB-170 22'33'44'5'-HpCB	40.81	2.24E+07	1.03 Y	1.07	1.12	4.0%
PCB-190 233'44'5'6'-HpCB	41.26	2.99E+07	1.05 Y	1.45	1.49	2.6%
PCB-202 22'33'55'66'-OcCB	37.45	2.39E+07	0.90 Y	0.91	0.95	3.9%
PCB-201 22'33'45'66'-OcCB	38.22	2.68E+07	0.89 Y	1.02	1.06	4.0%
PCB-204 22'34'4'566'-OcCB	38.79	2.52E+07	0.91 Y	0.98	1.00	2.7%
PCB-197 22'33'44'66'-OcCB	38.98	2.68E+07	0.91 Y	1.06	1.06	-0.1%
PCB-200 22'33'45'66'-OcCB	39.06	2.60E+07	0.92 Y	0.96	1.03	7.6%
PCB-198/199 22'33'45'5'6'-/22'	41.39	3.72E+07	0.90 Y	0.72	0.74	3.1%
PCB-196 22'33'44'5'6'-OcCB	41.96	1.92E+07	0.91 Y	0.73	0.76	4.3%
PCB-203 22'34'4'55'6'-OcCB	42.13	2.02E+07	0.90 Y	0.76	0.80	4.9%
PCB-195 22'33'44'56'-OcCB	43.23	2.00E+07	0.89 Y	0.80	0.84	5.0%
PCB-194 22'33'44'55'-OcCB	45.18	2.15E+07	0.89 Y	0.87	0.90	3.0%
PCB-205 233'44'55'6'-OcCB	45.57	2.66E+07	0.89 Y	1.09	1.11	2.4%
PCB-208 22'33'45'5'66'-NoCB	43.03	2.52E+07	0.78 Y	1.02	1.06	3.8%
PCB-207 22'33'44'566'-NoCB	43.81	2.64E+07	0.78 Y	1.06	1.10	4.3%
PCB-206 22'33'44'55'6'-NoCB	47.03	1.75E+07	0.77 Y	0.98	1.01	3.6%

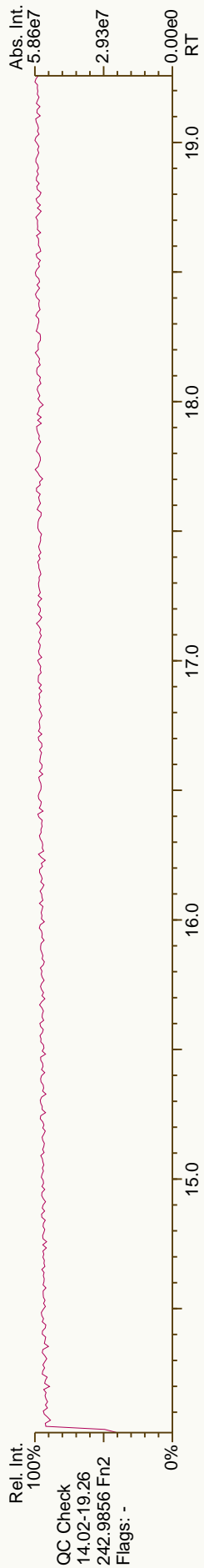
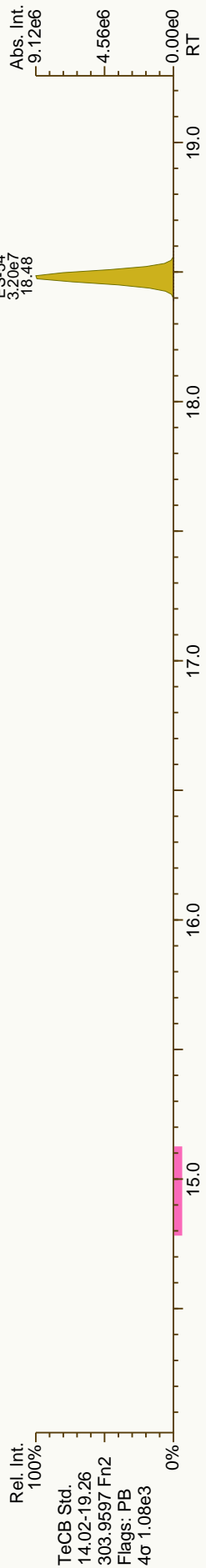
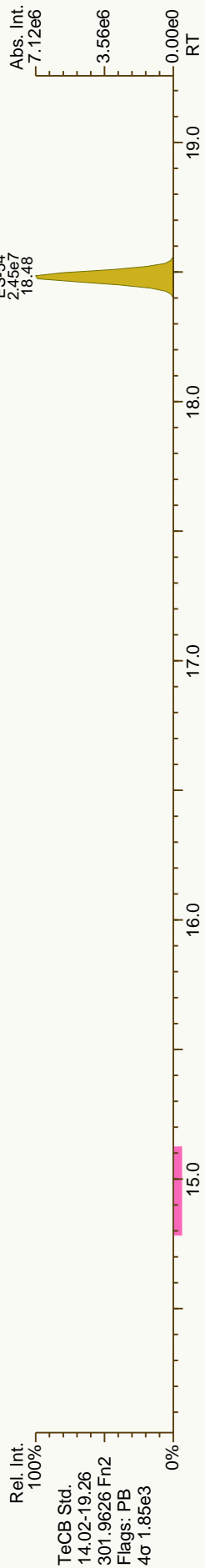
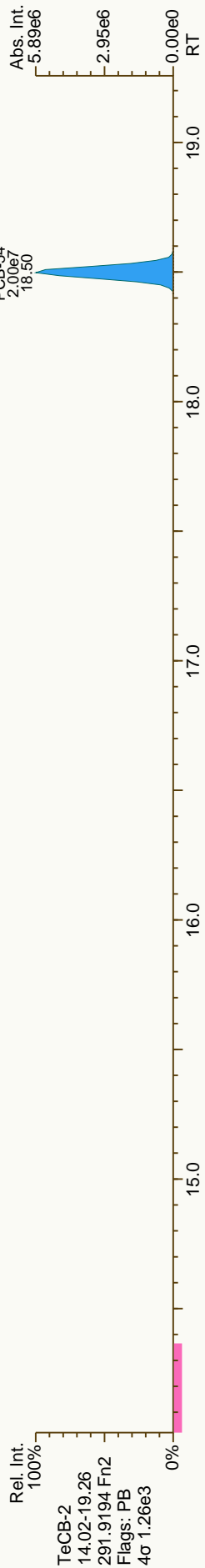
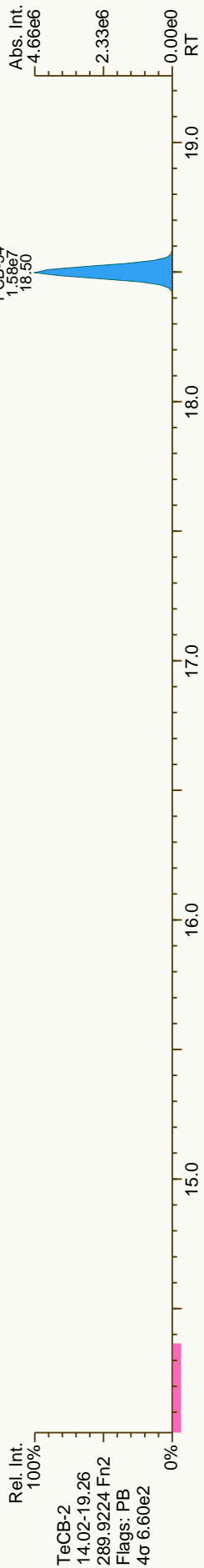


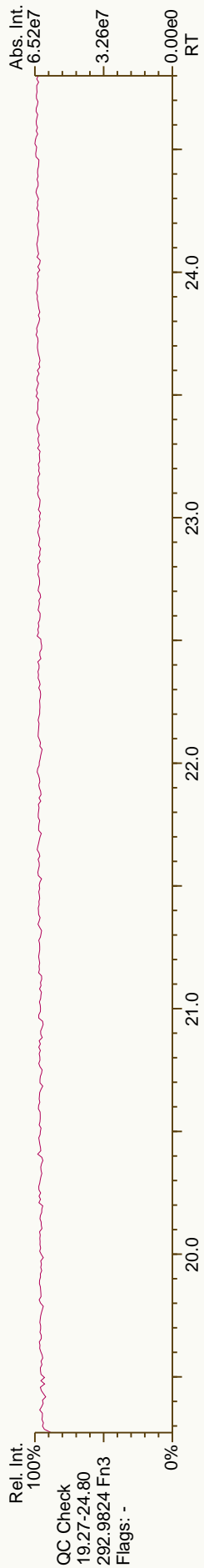
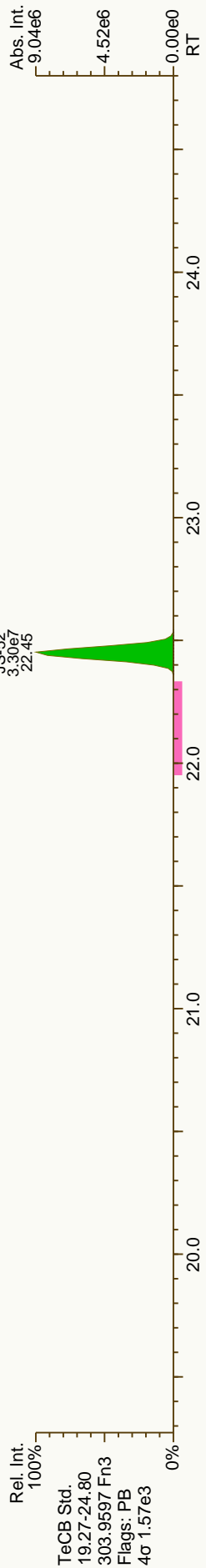
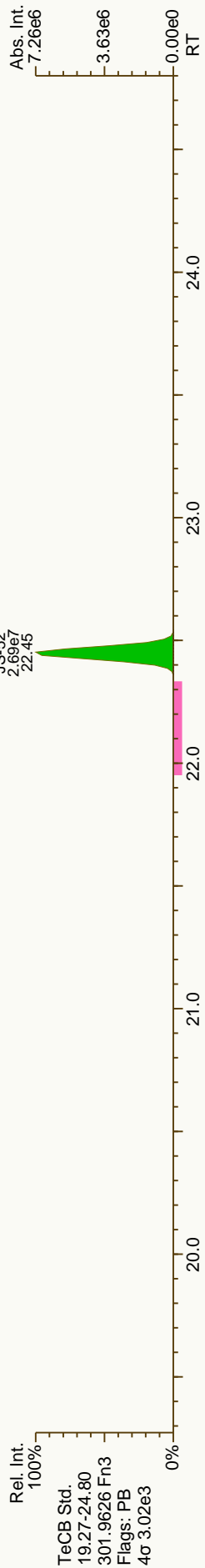
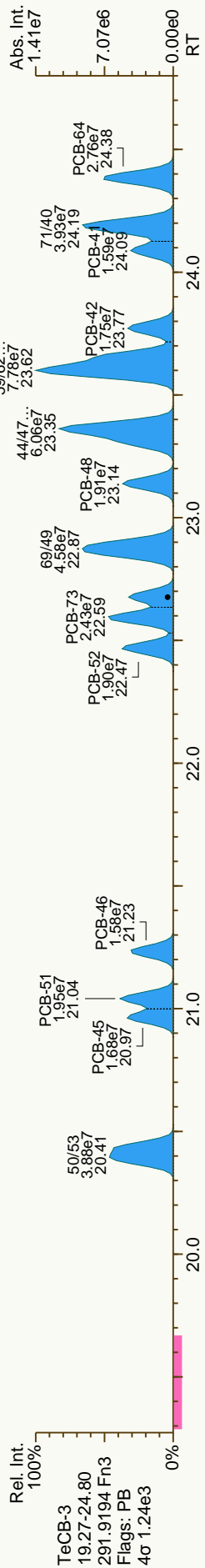
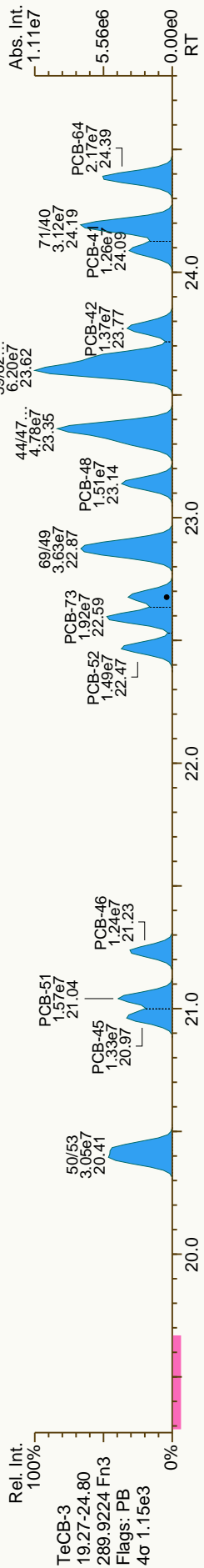


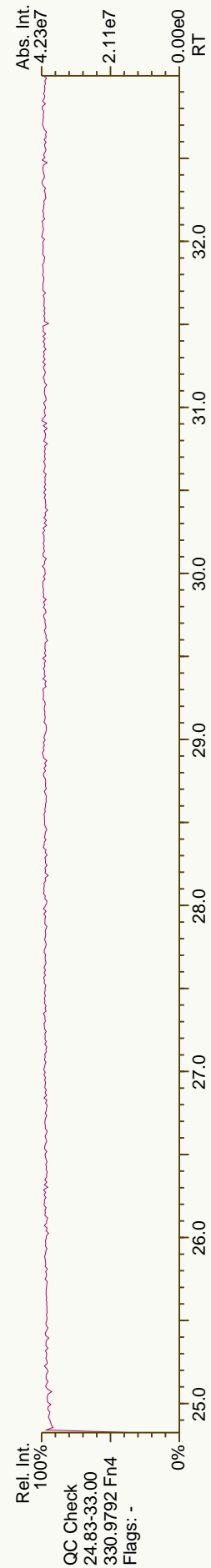
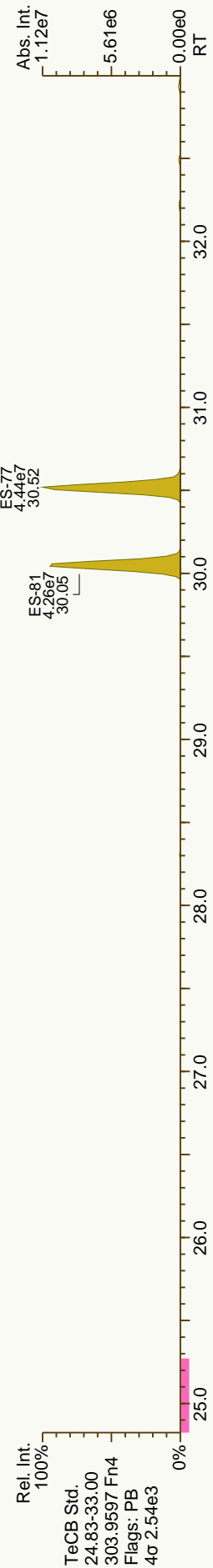
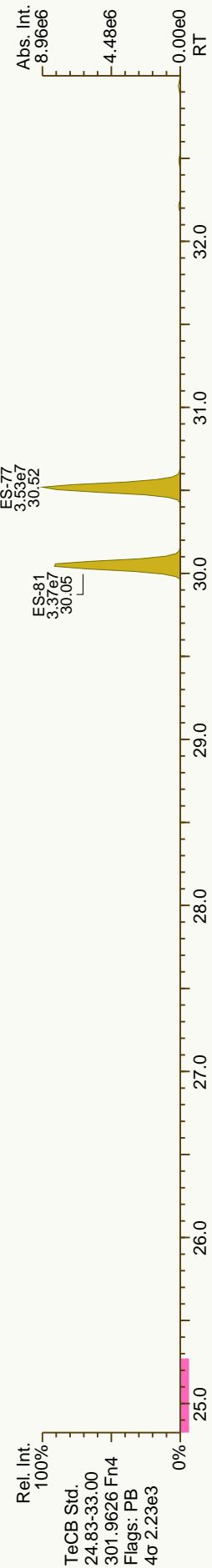
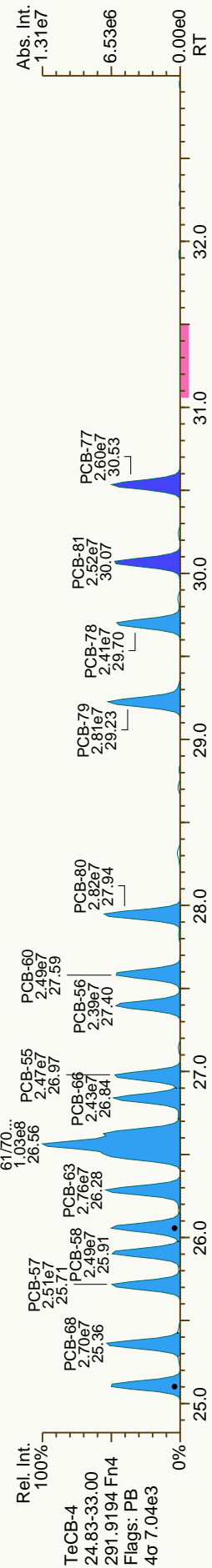
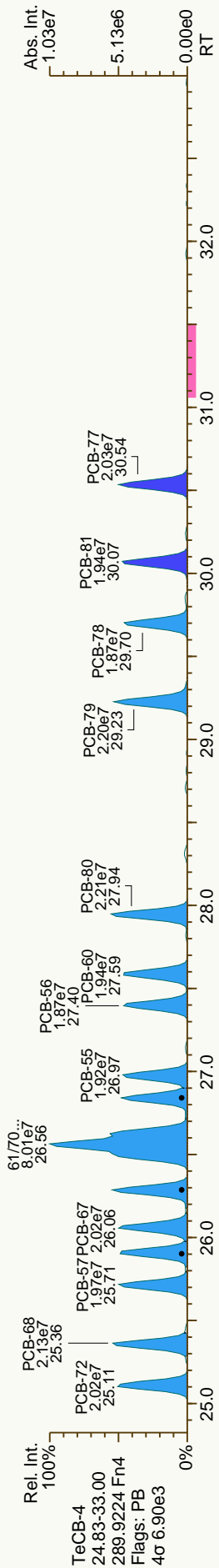


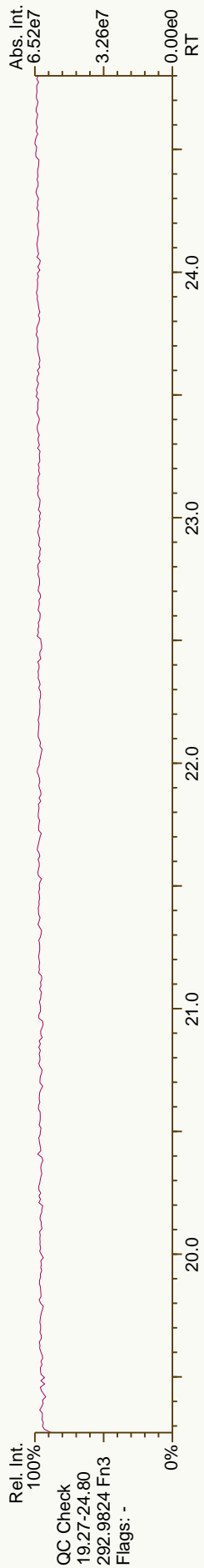
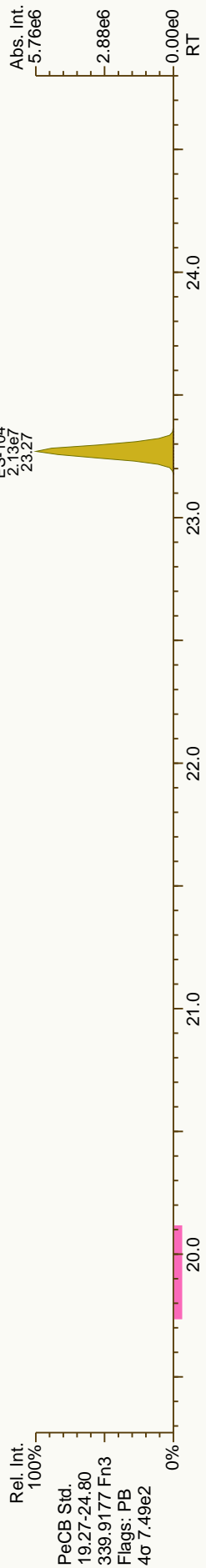
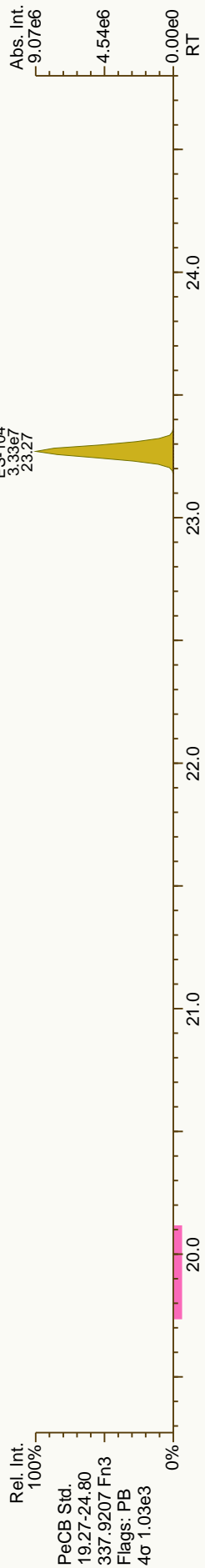
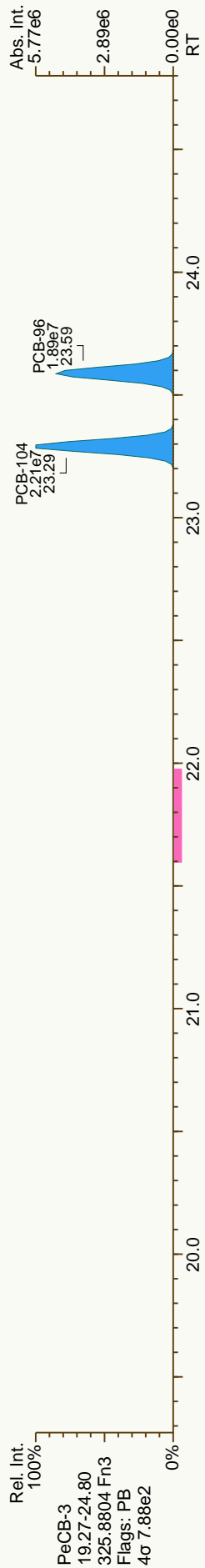
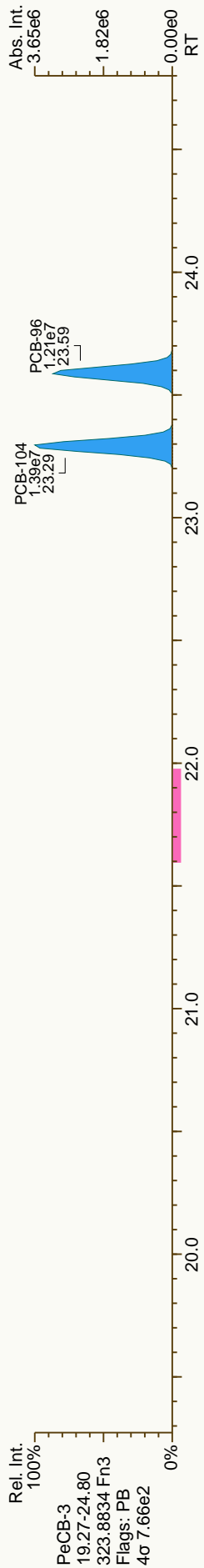


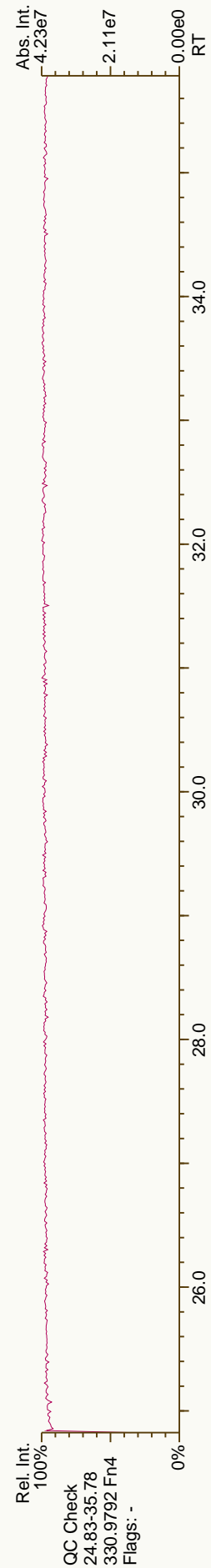
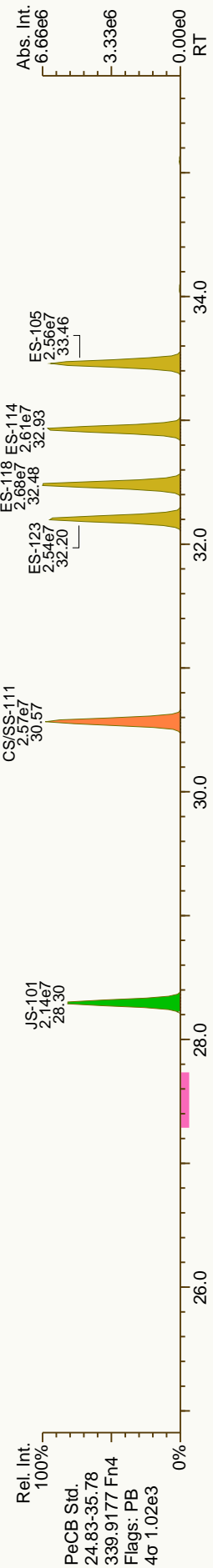
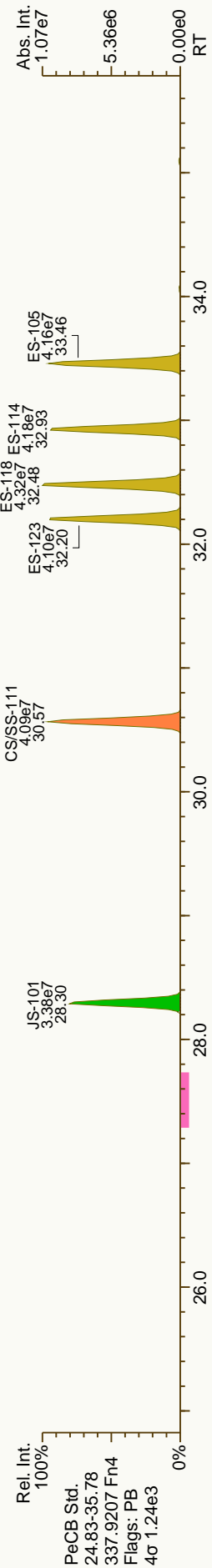
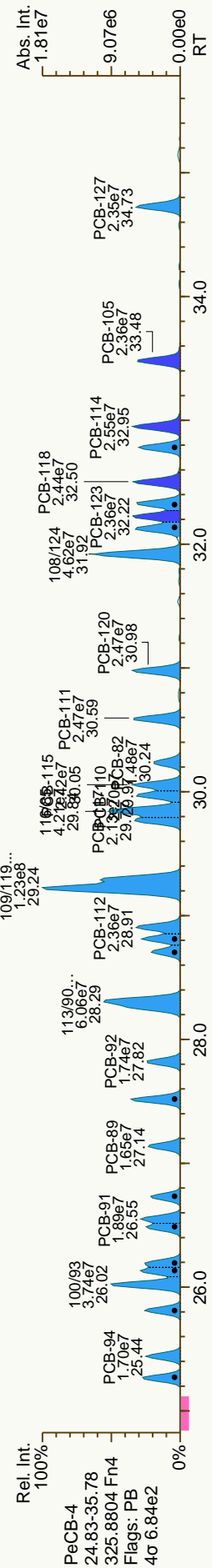
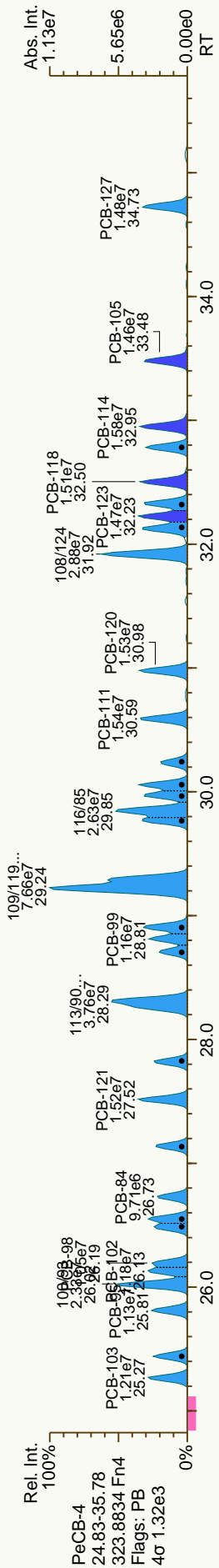


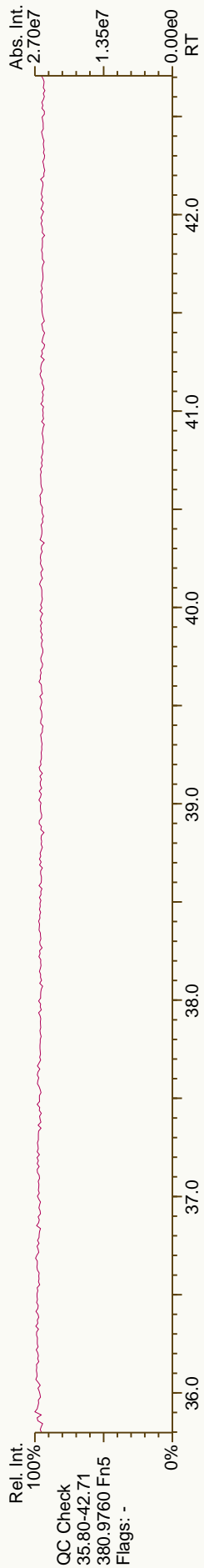
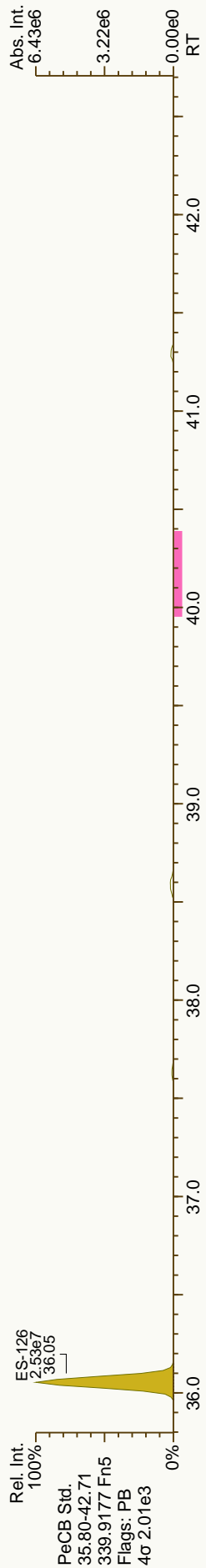
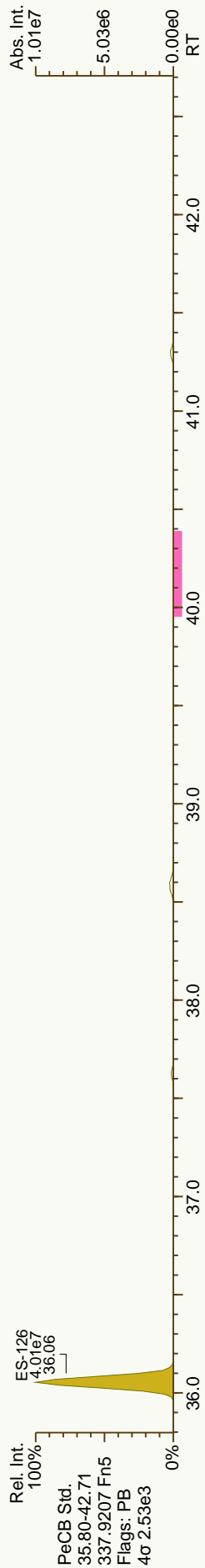
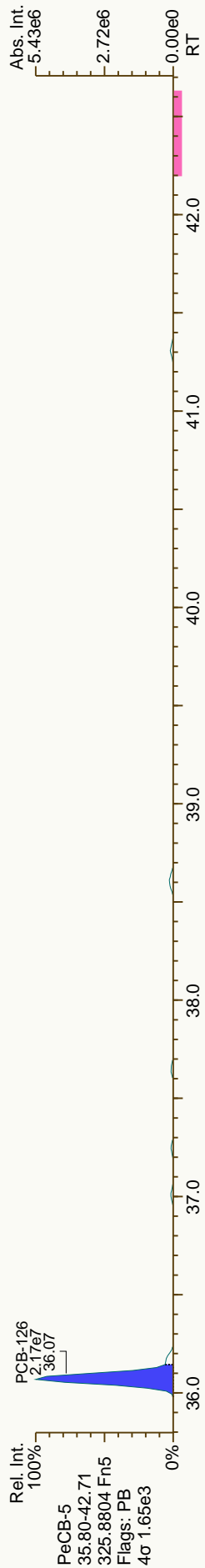
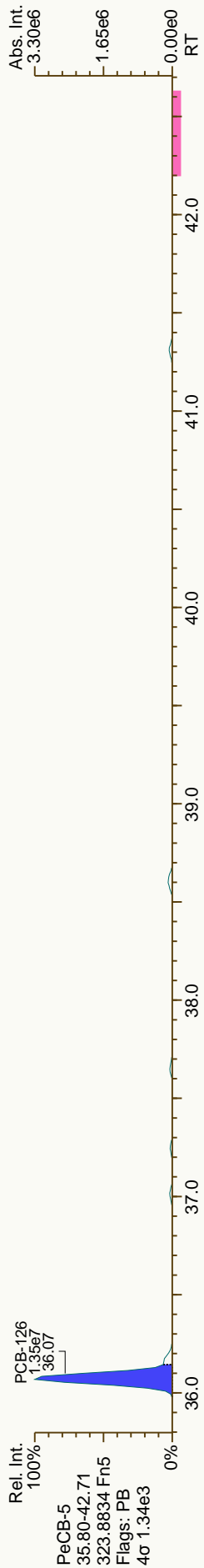


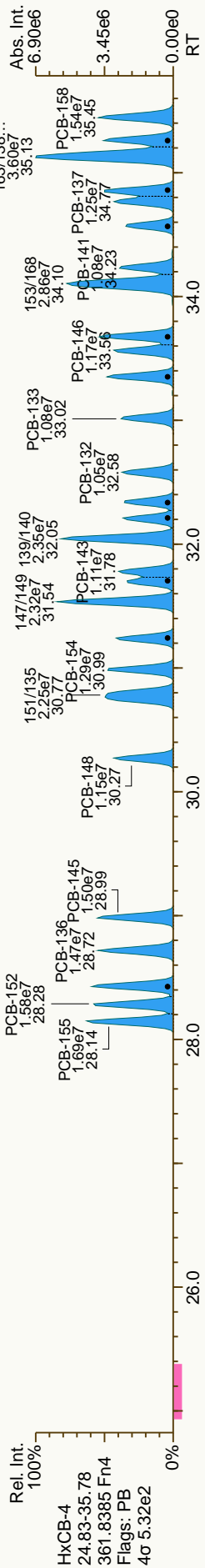
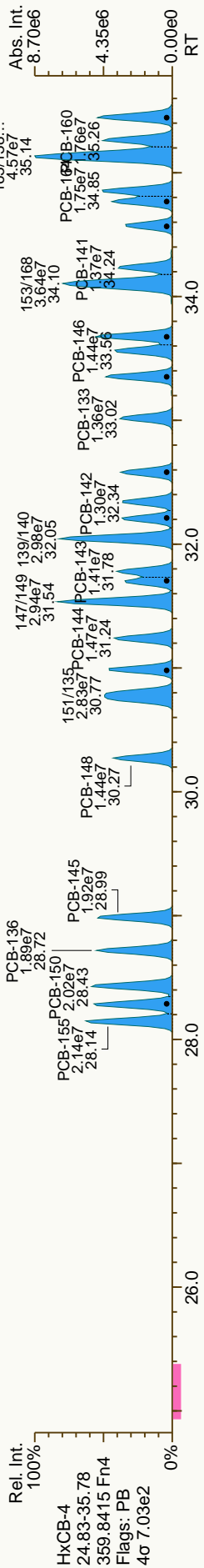


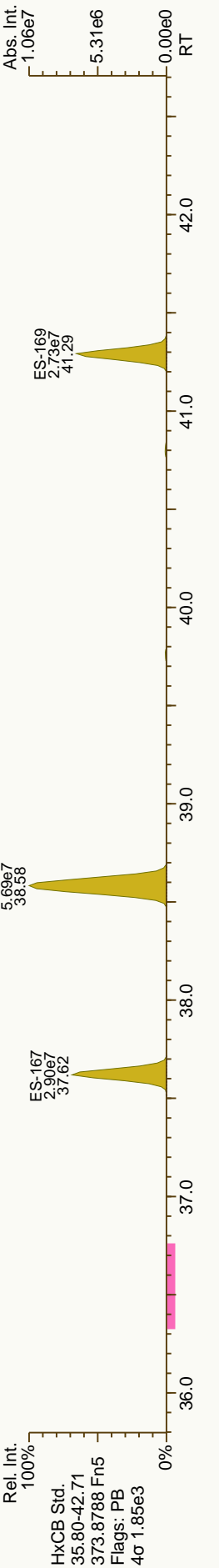
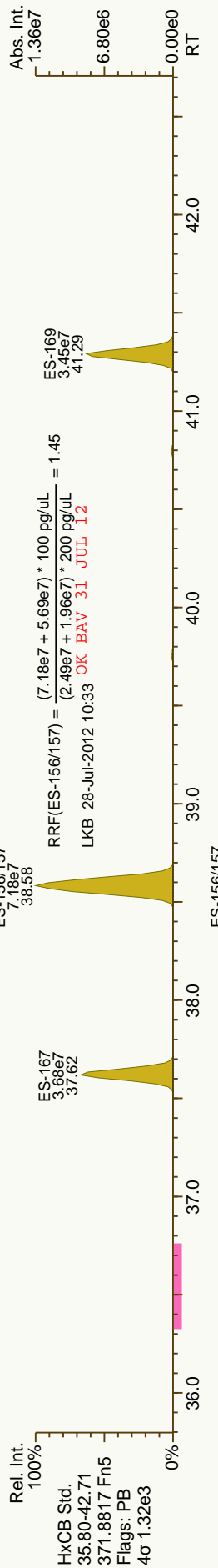
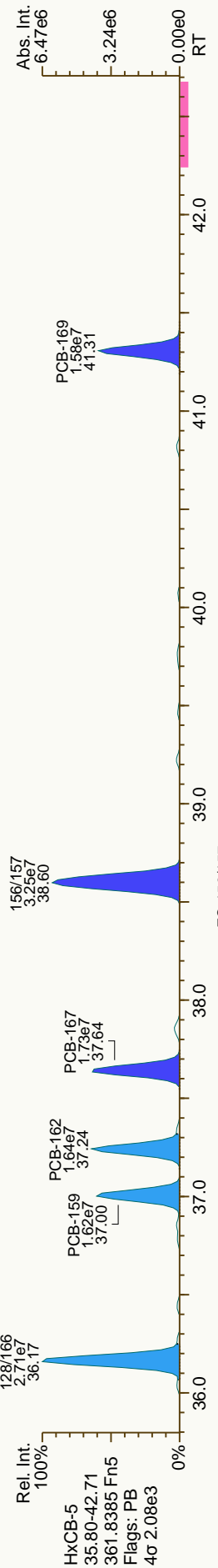
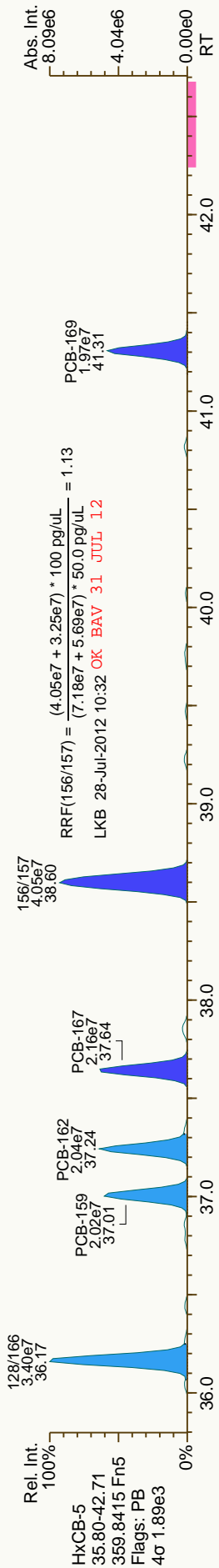


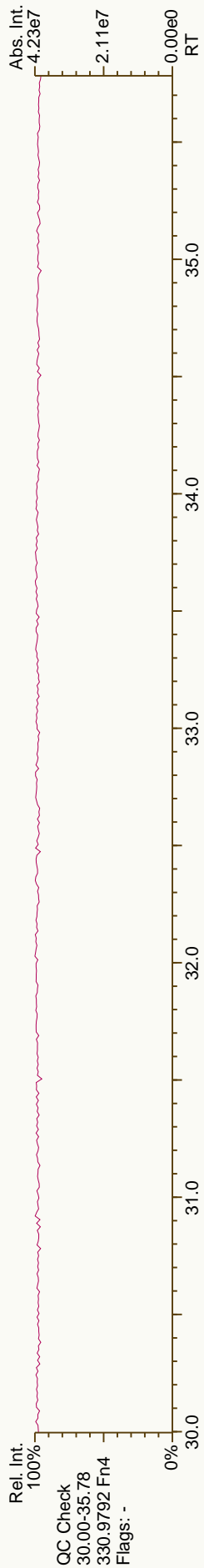
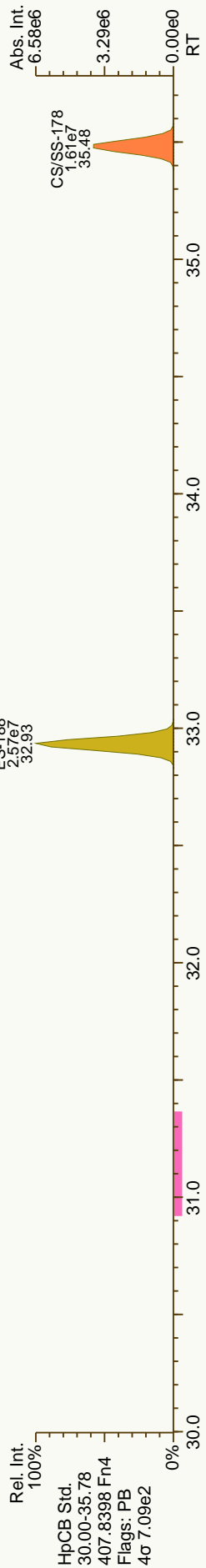
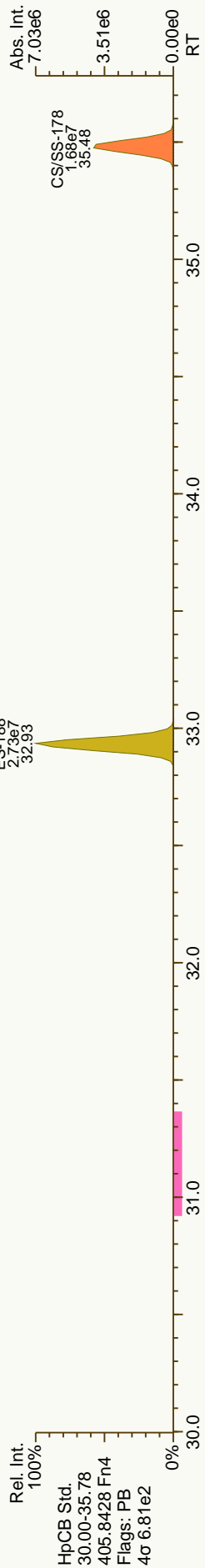
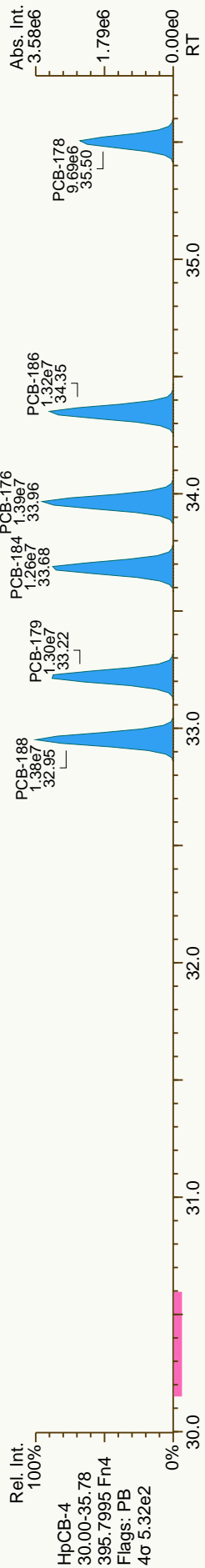
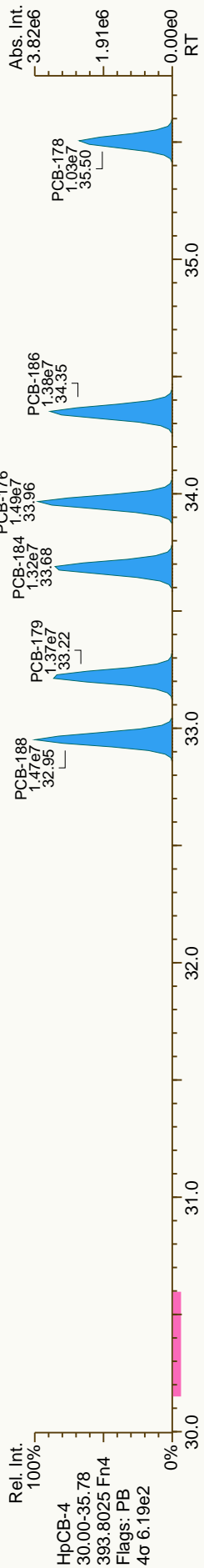


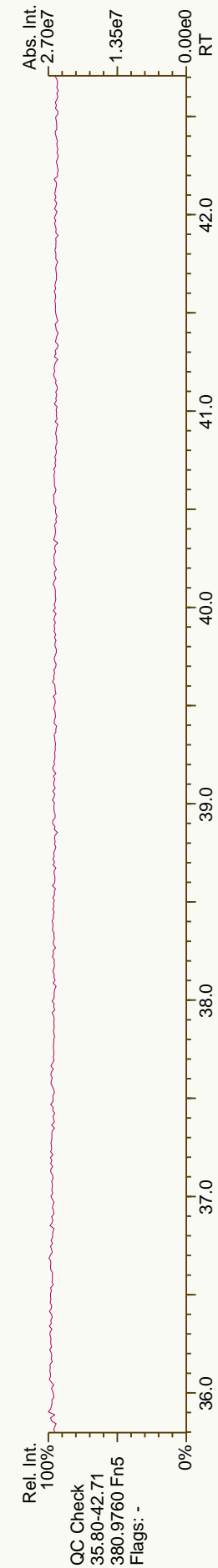
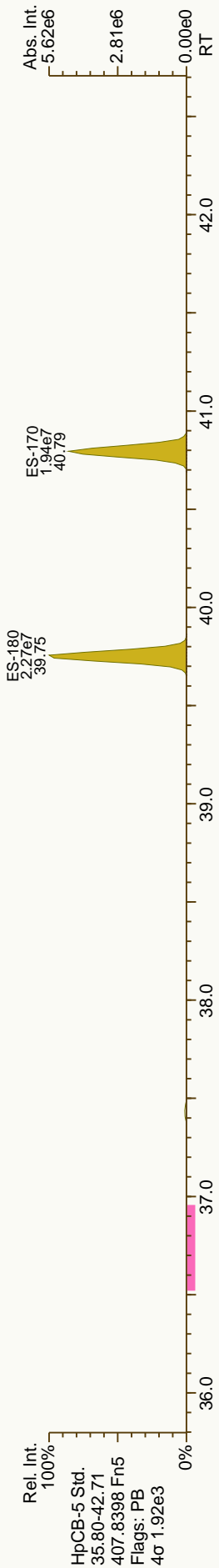
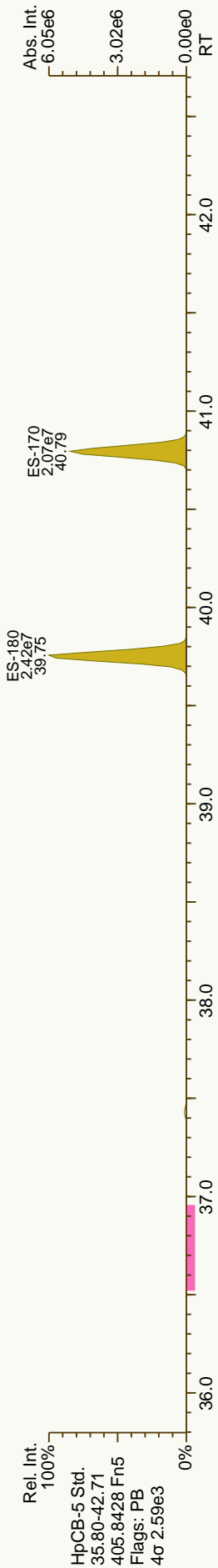
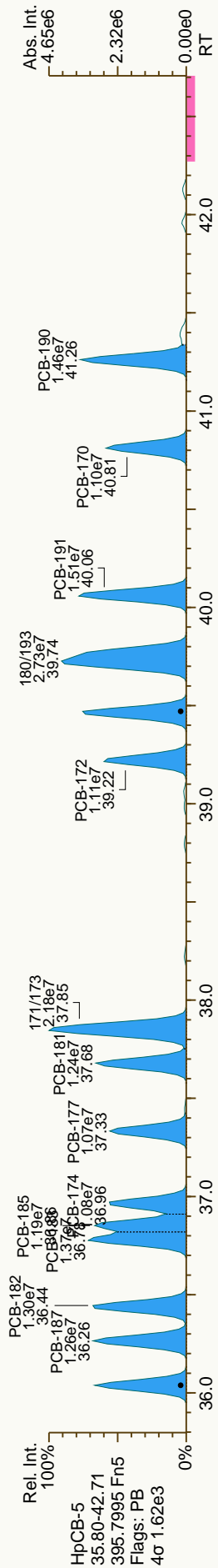
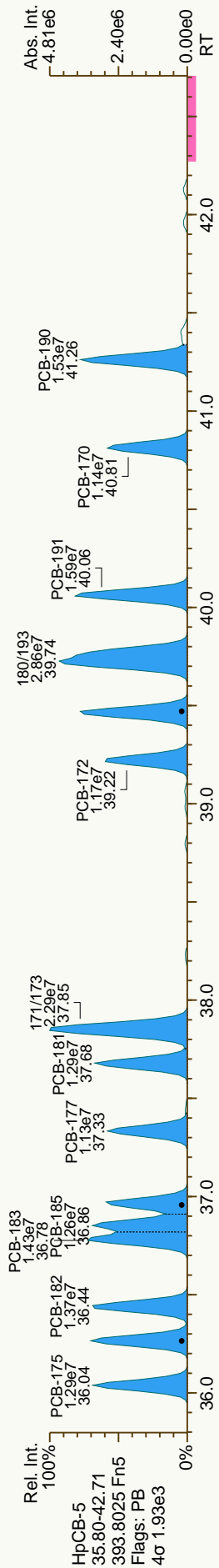


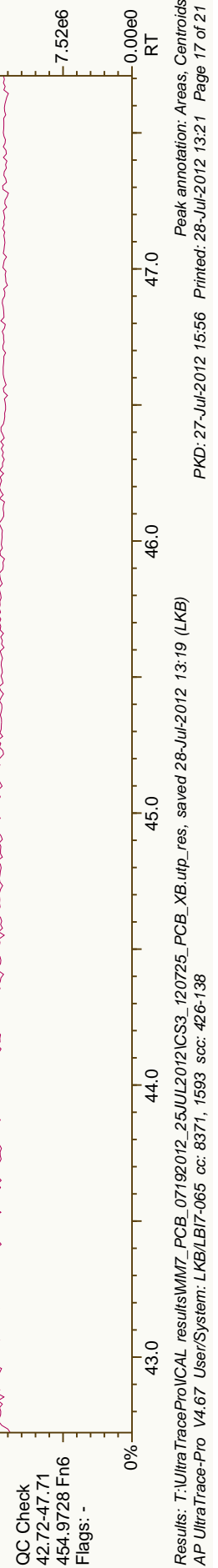
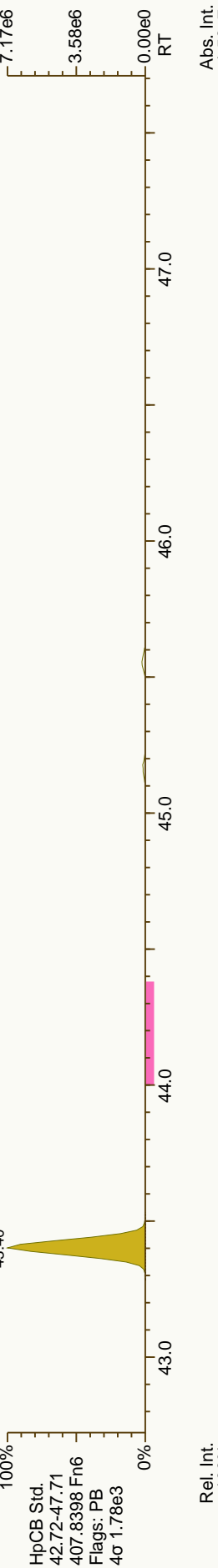
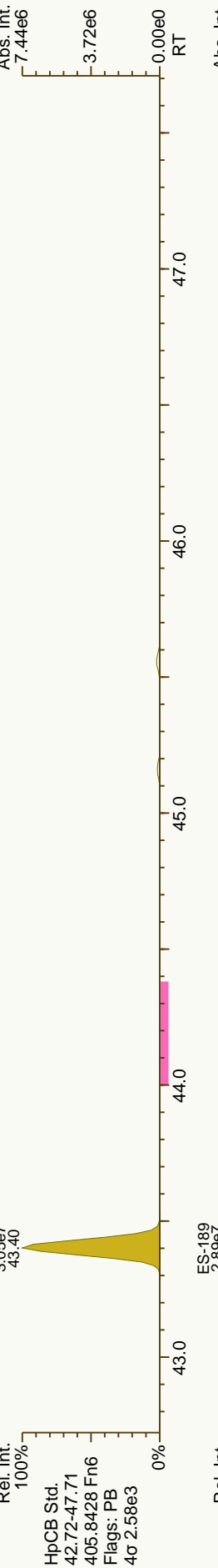
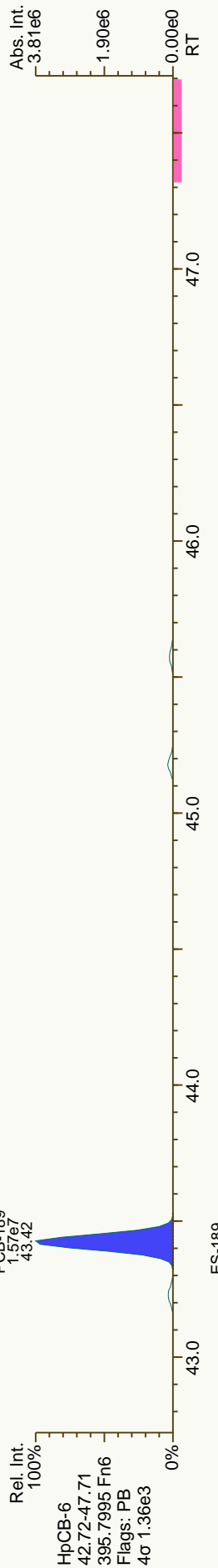
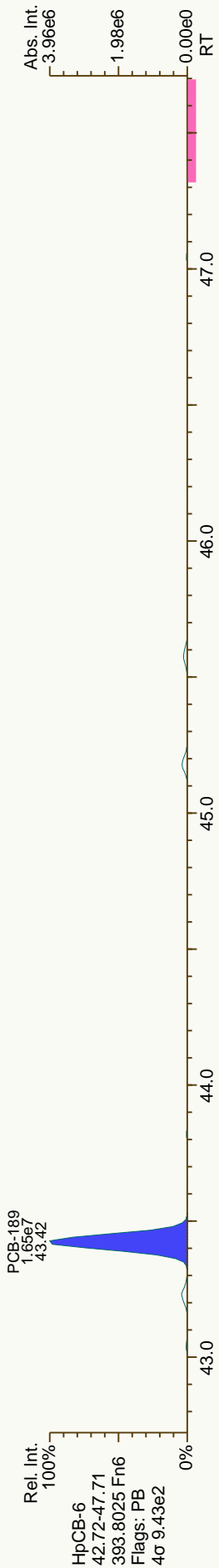


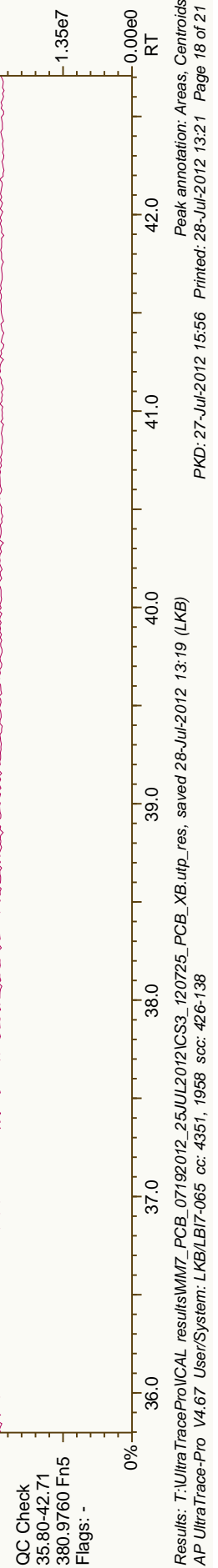
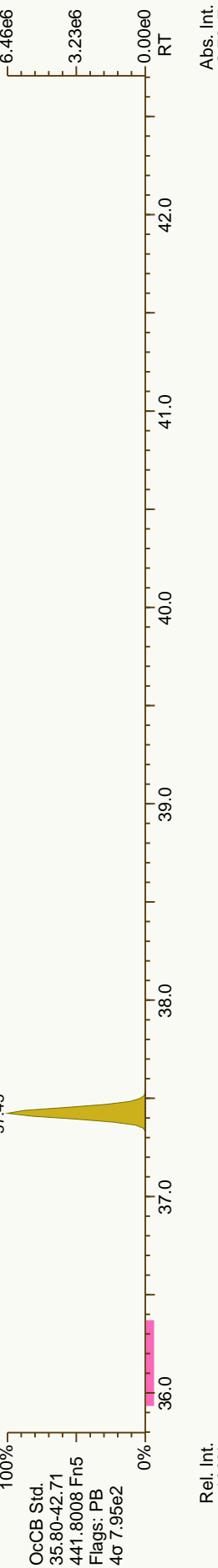
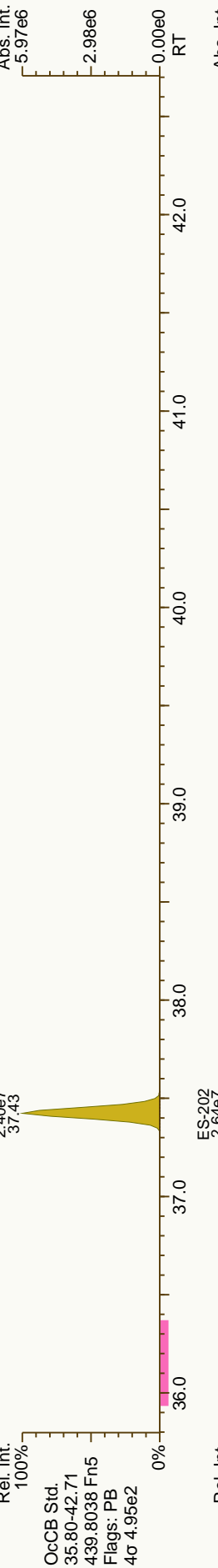
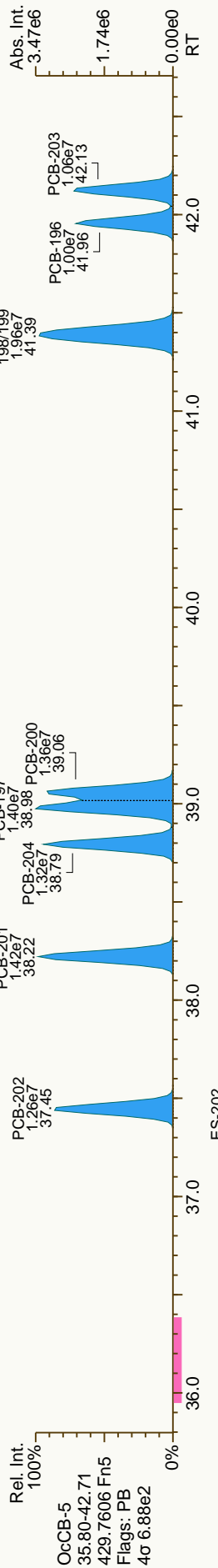
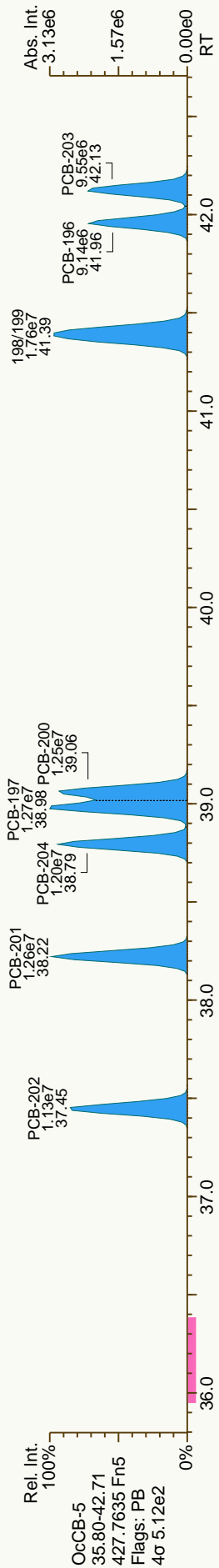


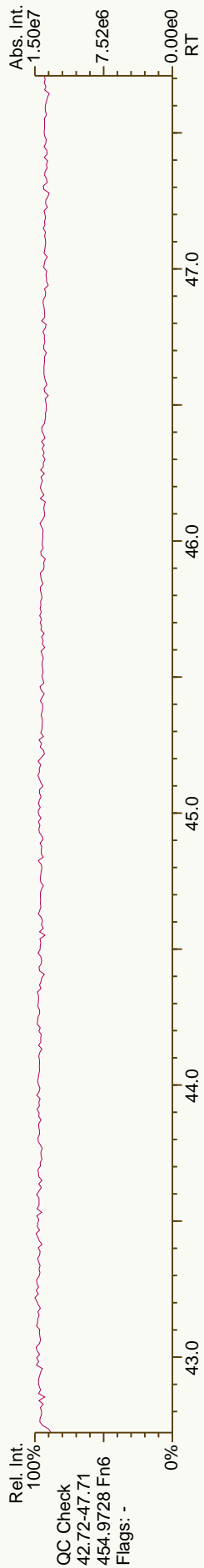
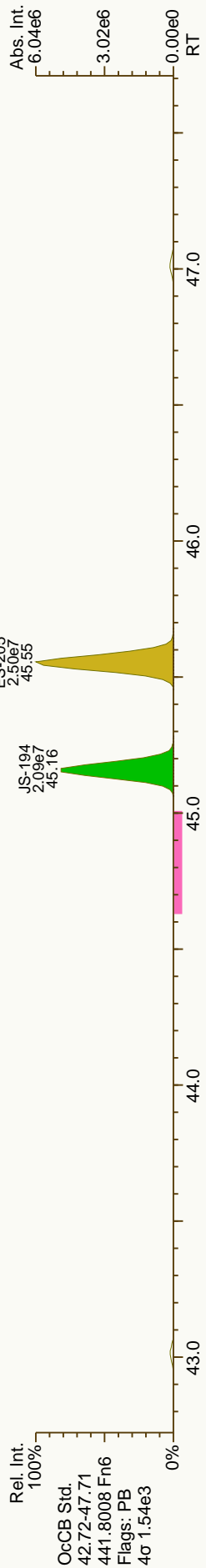
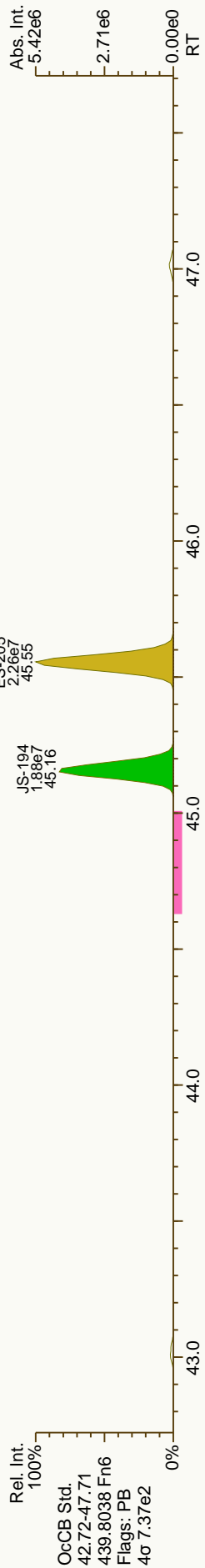
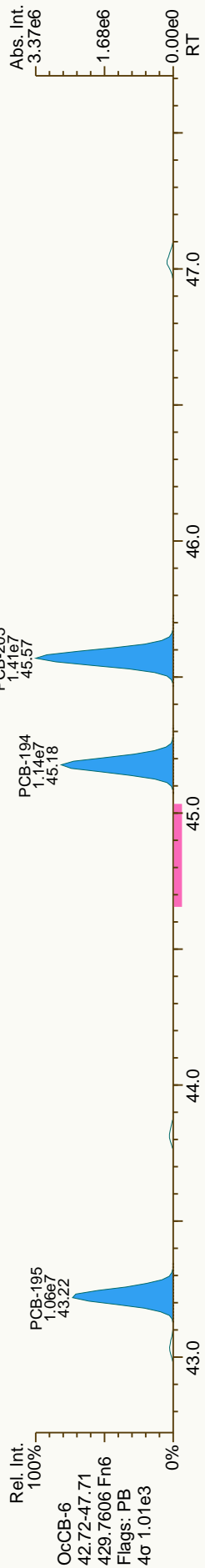
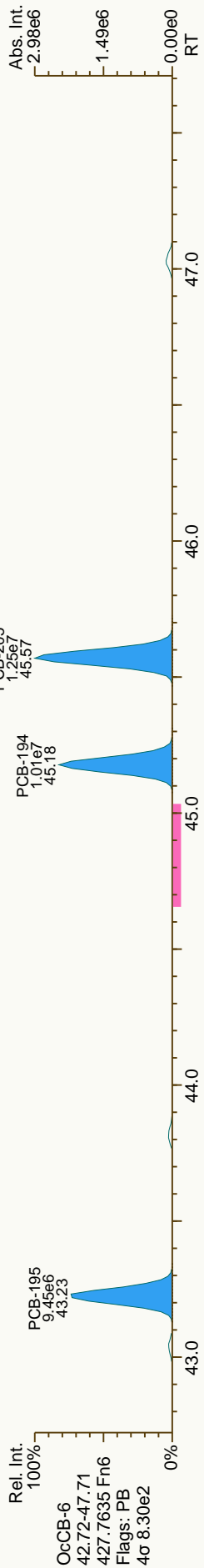


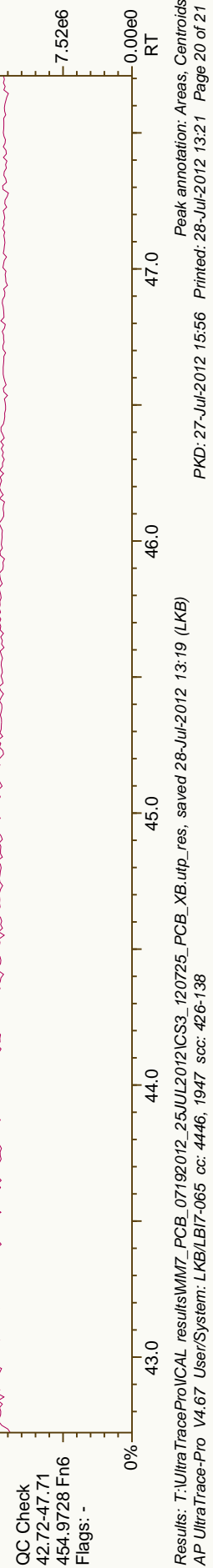
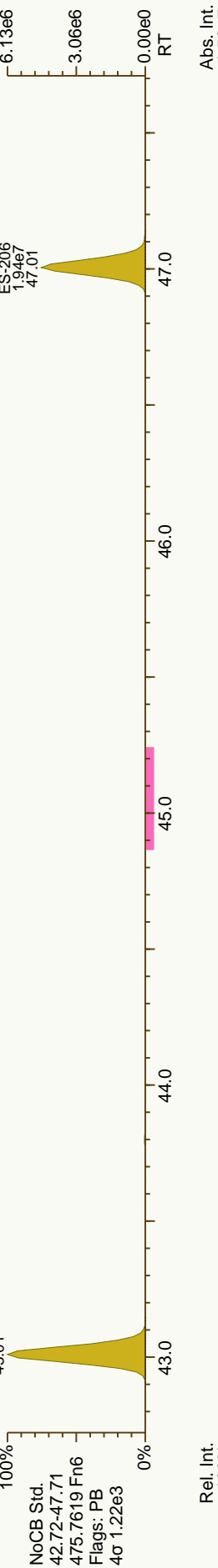
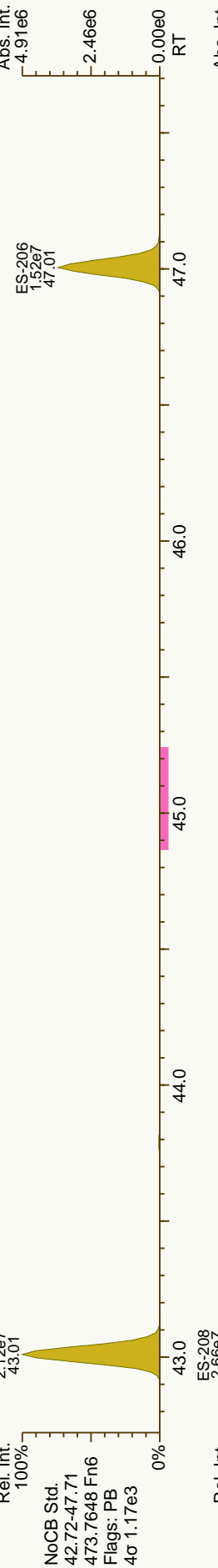
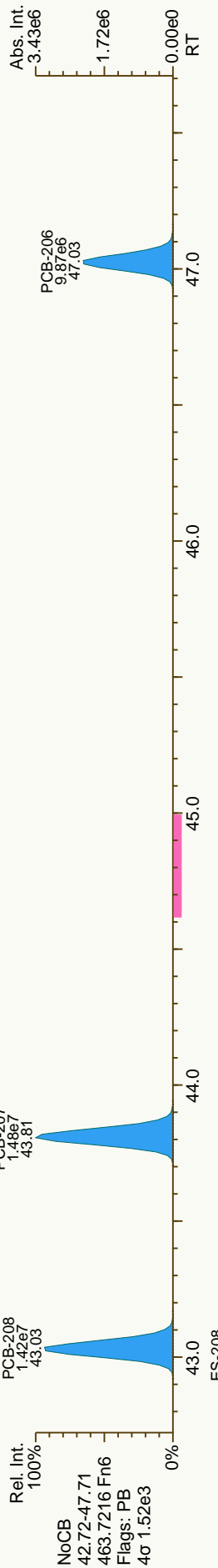
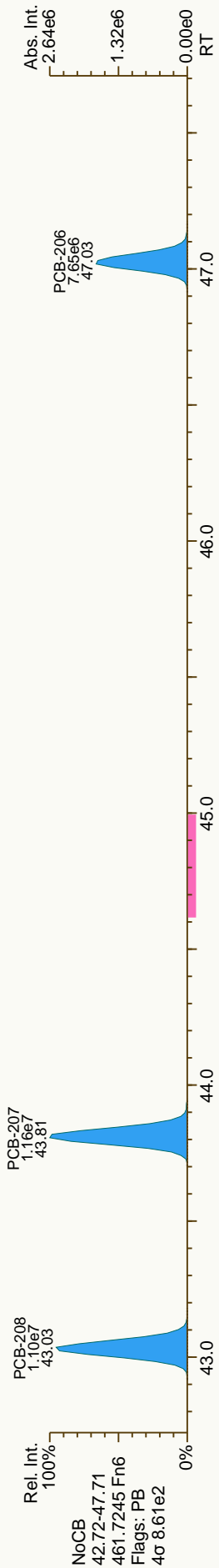


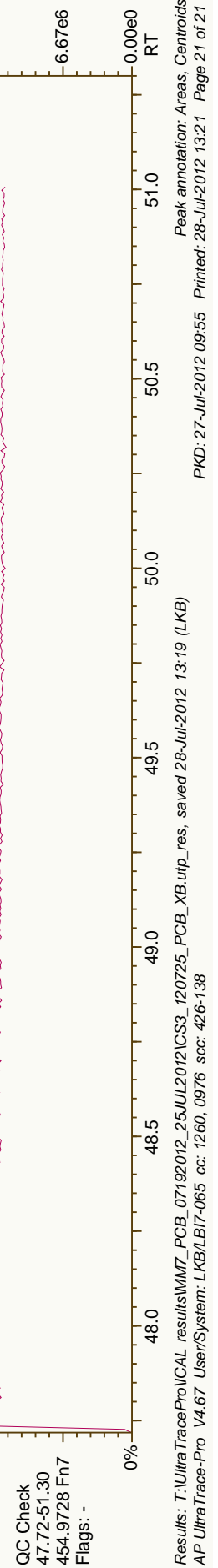
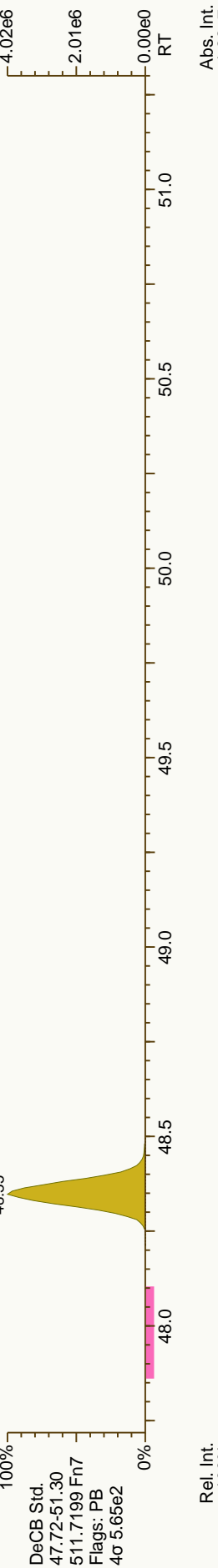
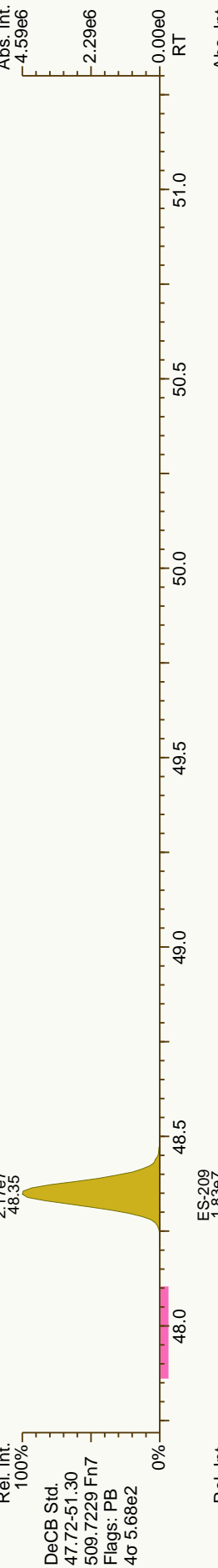
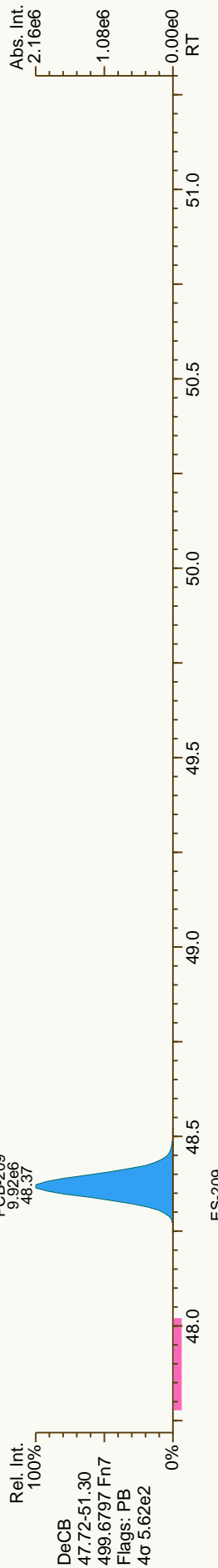
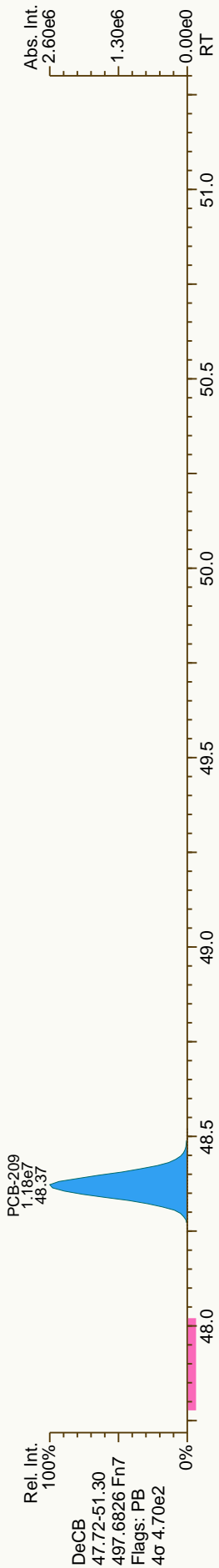












PCB QC Summary **SGS Analytical Perspectives** **Printed: 28-Jul-2012 10:14**

Lab ID: CS4_120725_PCB_XB ICAL: MM7_PCB_07132012_25JUL12

Acquired: 26-JUL-2012 06:32

Datafile: 120725X19

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	30.55	4.04E+08	0.79 Y	1.13	1.20	5.6%
PCB-81 344'5'-TeCB	30.08	3.90E+08	0.77 Y	1.13	1.20	6.8%
PCB-105 233'44'-PeCB	33.50	3.31E+08	0.62 Y	1.09	1.16	6.2%
PCB-114 2344'5'-PeCB	32.96	3.56E+08	0.63 Y	1.16	1.22	5.3%
PCB-118 23'44'5'-PeCB	32.52	3.48E+08	0.63 Y	1.11	1.17	5.8%
PCB-123 2'344'5'-PeCB	32.24	3.62E+08	0.63 Y	1.19	1.26	6.2%
PCB-126 33'44'5'-PeCB	36.09	3.10E+08	0.63 Y	1.06	1.11	4.7%
PCB-156/157 233'44'5'/233'44'5'	38.61	6.44E+08	1.25 Y	1.11	1.16	4.6%
PCB-167 23'44'55'-HxCB	37.65	3.40E+08	1.24 Y	1.14	1.19	4.9%
PCB-169 33'44'55'-HxCB	41.32	3.17E+08	1.26 Y	1.11	1.16	4.6%
PCB-189 233'44'55'-HpCB	43.43	2.89E+08	1.05 Y	1.06	1.11	5.2%
PCB-209 DeCB	48.38	1.92E+08	1.18 Y	1.07	1.10	2.2%
ES PCB-1	10.65	1.18E+08	3.19 Y	1.08	1.06	-1.7%
ES PCB-3	12.70	1.20E+08	3.24 Y	1.08	1.07	-0.9%
ES PCB-4	12.93	5.34E+07	1.62 Y	0.49	0.48	-1.8%
ES PCB-15	18.24	1.26E+08	1.57 Y	1.11	1.13	1.8%
ES PCB-19	15.76	6.09E+07	1.07 Y	0.55	0.55	-1.3%
ES PCB-37	24.33	1.01E+08	1.06 Y	1.64	1.65	0.9%
ES PCB-54	18.49	5.58E+07	0.77 Y	0.94	0.91	-3.4%
ES PCB-77	30.53	8.44E+07	0.78 Y	1.35	1.37	2.0%
ES PCB-81	30.06	8.10E+07	0.79 Y	1.29	1.32	2.5%
ES PCB-104	23.29	5.68E+07	1.54 Y	0.99	0.98	-1.2%
ES PCB-105	33.47	7.12E+07	1.58 Y	1.23	1.23	-0.4%
ES PCB-114	32.94	7.28E+07	1.61 Y	1.25	1.26	0.8%
ES PCB-118	32.49	7.43E+07	1.60 Y	1.28	1.28	0.1%
ES PCB-123	32.22	7.17E+07	1.60 Y	1.22	1.24	1.5%
ES PCB-126	36.07	6.96E+07	1.58 Y	1.20	1.20	0.2%
ES PCB-153	34.07	5.40E+07	1.29 Y	1.14	1.12	-2.0%
ES PCB-155	28.14	7.08E+07	1.27 Y	1.50	1.46	-2.1%
ES PCB-156/157	38.59	1.39E+08	1.28 Y	1.45	1.44	-1.1%
ES PCB-167	37.63	7.14E+07	1.27 Y	1.49	1.48	-1.0%
ES PCB-169	41.30	6.83E+07	1.27 Y	1.40	1.41	0.6%
ES PCB-170	40.80	4.36E+07	1.06 Y	1.00	1.01	0.4%
ES PCB-180	39.76	5.04E+07	1.07 Y	1.16	1.16	0.3%
ES PCB-188	32.94	5.63E+07	1.07 Y	1.18	1.17	-1.0%
ES PCB-189	43.42	6.51E+07	1.03 Y	1.49	1.50	1.0%
ES PCB-202	37.44	5.45E+07	0.90 Y	1.14	1.13	-0.7%
ES PCB-205	45.56	5.25E+07	0.90 Y	1.20	1.21	0.7%
ES PCB-206	47.02	3.81E+07	0.79 Y	0.87	0.88	1.0%
ES PCB-208	43.02	5.18E+07	0.79 Y	1.19	1.20	0.4%
ES PCB-209	48.36	4.37E+07	1.20 Y	1.00	1.01	0.5%

PCB QC Summary **SGS Analytical Perspectives** **Printed: 28-Jul-2012 10:14**

Lab ID: Cs4_120725_PCB_XB ICAL: MM7_PCB_07132012_25JUL12
 Acquired: 26-JUL-2012 06:32
 Datafile: 120725X19

Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	20.89	1.08E+08	1.06 Y	1.07	1.07	-0.5%
SS PCB-111	30.58	7.13E+07	1.59 Y	1.01	1.00	-1.0%
SS PCB-178	35.49	3.54E+07	1.06 Y	0.63	0.63	0.0%
CS PCB-28	20.89	1.08E+08	1.06 Y	1.76	1.77	0.5%
CS PCB-111	30.58	7.13E+07	1.59 Y	1.23	1.23	0.5%
CS PCB-178	35.49	3.54E+07	1.06 Y	0.74	0.73	-1.1%
JS PCB-9	14.75	1.11E+08	1.58 Y	-	-	-
JS PCB-52	22.46	6.14E+07	0.80 Y	-	-	-
JS PCB-101	28.31	5.79E+07	1.61 Y	-	-	-
JS PCB-138	35.11	4.83E+07	1.28 Y	-	-	-
JS PCB-194	45.17	4.34E+07	0.91 Y	-	-	-
PCB-1 2-MoCB	10.66	5.29E+08	3.21 Y	1.03	1.12	8.1%
PCB-3 4-MoCB	12.72	5.38E+08	3.18 Y	1.04	1.12	7.7%
PCB-4 22'-DiCB	12.94	2.66E+08	1.60 Y	1.17	1.24	6.2%
PCB-15 44'-DiCB	18.26	5.72E+08	1.58 Y	1.08	1.14	5.0%
PCB-19 22'6'-TrCB	15.78	2.85E+08	1.06 Y	1.09	1.17	6.8%
PCB-37 344'-TrCB	24.35	4.68E+08	1.05 Y	1.10	1.15	4.4%
PCB-54 22'66'-TeCB	18.51	2.91E+08	0.79 Y	1.21	1.30	7.8%
PCB-104 22'466'-PeCB	23.31	2.98E+08	0.63 Y	1.25	1.31	4.5%
PCB-153 22'44'55'-HxCB	34.12	5.61E+08	1.27 Y	1.22	1.30	6.5%
PCB-155 22'44'66'-HxCB	28.16	3.26E+08	1.27 Y	1.09	1.15	5.6%
PCB-170 22'33'44'5'-HpCB	40.82	1.97E+08	1.05 Y	1.07	1.13	5.3%
PCB-180 22'344'55'-HpCB	39.75	4.93E+08	1.06 Y	1.16	1.22	5.5%
PCB-188 22'34'566'-HpCB	32.97	2.48E+08	1.05 Y	1.03	1.10	6.3%
PCB-202 22'33'55'66'-OcCB	37.46	2.09E+08	0.90 Y	0.91	0.96	4.8%
PCB-205 233'44'55'6'-OcCB	45.58	2.39E+08	0.90 Y	1.09	1.14	4.7%
PCB-208 22'33'455'66'-NoCB	43.04	2.24E+08	0.78 Y	1.02	1.08	6.2%
PCB-206 22'33'44'55'6'-NoCB	47.04	1.58E+08	0.78 Y	0.98	1.04	6.1%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:14

Lab ID: CS4_120725_PCB_XB
 Acquired: 26-JUL-2012 06:32
 Datafile: 120725X19

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.66	5.29E+08	3.21 Y	1.03	1.12	8.1%
PCB-2 3-MoCB	12.55	5.43E+08	3.21 Y	1.04	1.14	8.9%
PCB-3 4-MoCB	12.72	5.38E+08	3.18 Y	1.04	1.12	7.7%
PCB-4 22'-DiCB	12.94	2.66E+08	1.60 Y	1.17	1.24	6.2%
PCB-10 26-DiCB	13.11	4.13E+08	1.61 Y	1.83	1.93	5.5%
PCB-9 25-DiCB	14.77	4.76E+08	1.58 Y	0.89	0.95	5.6%
PCB-7 24-DiCB	14.92	5.47E+08	1.60 Y	1.02	1.08	5.9%
PCB-6 23'-DiCB	15.13	5.09E+08	1.59 Y	0.95	1.01	6.5%
PCB-5 23-DiCB	15.40	5.14E+08	1.59 Y	0.97	1.02	4.8%
PCB-8 24'-DiCB	15.52	5.29E+08	1.58 Y	0.98	1.05	6.8%
PCB-14 35-DiCB	16.98	6.18E+08	1.59 Y	1.16	1.23	5.8%
PCB-11 33'-DiCB	17.71	5.37E+08	1.60 Y	1.00	1.07	6.7%
PCB-13/12 34'-/34-DiCB	17.99	1.10E+09	1.59 Y	1.02	1.09	7.0%
PCB-15 44'-DiCB	18.26	5.72E+08	1.58 Y	1.08	1.14	5.0%
PCB-19 22'6-TrCB	15.78	2.85E+08	1.06 Y	1.09	1.17	6.8%
PCB-30/18 246-/22'5-TrCB	17.44	7.70E+08	1.06 Y	1.46	1.58	8.2%
PCB-17 22'4-TrCB	17.82	3.31E+08	1.06 Y	1.25	1.36	8.5%
PCB-27 23'6-TrCB	18.00	4.49E+08	1.06 Y	1.69	1.84	9.0%
PCB-24 236-TrCB	18.12	4.19E+08	1.06 Y	1.63	1.72	5.1%
PCB-16 22'3-TrCB	18.21	2.64E+08	1.06 Y	0.95	1.08	13.4%
PCB-32 24'6-TrCB	18.67	4.65E+08	1.06 Y	1.79	1.91	6.7%
PCB-34 2'35-TrCB	19.78	4.47E+08	1.05 Y	1.05	1.10	5.2%
PCB-23 235-TrCB	19.92	4.52E+08	1.04 Y	1.06	1.11	5.4%
PCB-26/29 23'5-/24'5-TrCB	20.19	9.23E+08	1.05 Y	1.09	1.14	4.9%
PCB-25 23'4-TrCB	20.38	4.61E+08	1.05 Y	1.07	1.14	5.9%
PCB-31 24'5-TrCB	20.65	4.76E+08	1.04 Y	1.11	1.17	5.7%
PCB-28/20 244'-/233'-TrCB	20.92	9.09E+08	1.04 Y	1.07	1.12	5.0%
PCB-21/33 234-/2'34-TrCB	21.09	9.43E+08	1.05 Y	1.09	1.16	6.4%
PCB-22 234'-TrCB	21.45	4.32E+08	1.04 Y	1.02	1.07	4.9%
PCB-36 33'5-TrCB	22.80	4.80E+08	1.05 Y	1.13	1.18	5.0%
PCB-39 34'5-TrCB	23.11	5.02E+08	1.04 Y	1.17	1.24	6.3%
PCB-38 345-TrCB	23.61	4.53E+08	1.04 Y	1.03	1.12	8.1%
PCB-35 334-TrCB	24.00	4.42E+08	1.05 Y	1.04	1.09	4.9%
PCB-37 344'-TrCB	24.35	4.68E+08	1.05 Y	1.10	1.15	4.4%
PCB-54 22'66-TeCB	18.51	2.91E+08	0.79 Y	1.21	1.30	7.8%
PCB-50/53 22'46-/22'56-TeCB	20.42	5.79E+08	0.79 Y	0.86	0.89	4.3%
PCB-45 22'36-TeCB	20.98	2.51E+08	0.78 Y	0.73	0.77	5.8%
PCB-51 22'46'-TeCB	21.05	3.01E+08	0.80 Y	0.88	0.93	5.8%
PCB-46 22'36'-TeCB	21.25	2.37E+08	0.79 Y	0.70	0.73	5.4%
PCB-52 22'55'-TeCB	22.48	2.81E+08	0.79 Y	0.84	0.87	3.0%
PCB-73 23'56TeCB	22.61	3.60E+08	0.79 Y	1.09	1.11	1.9%
PCB-43 22'35-TeCB	22.69	2.52E+08	0.80 Y	0.72	0.78	7.4%
PCB-69/49 23'46-/22'45TeCB	22.89	6.89E+08	0.79 Y	1.01	1.06	5.0%

PCB QC Summary - Ax2 Detail

Lab ID: CS4_120725_PCB_XB
 Acquired: 26-JUL-2012 06:32
 Datafile: 120725X19

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.15	2.89E+08	0.79 Y	0.85	0.89	5.0%
PCB-44/47/65 22'35'-/22'44'-	23.36	9.15E+08	0.79 Y	0.89	0.94	5.7%
PCB-59/62/75 23'36'-/23'46'-/24	23.63	1.18E+09	0.79 Y	1.14	1.22	6.7%
PCB-42 22'34'-TeCB	23.79	2.64E+08	0.80 Y	0.77	0.81	5.5%
PCB-41 22'34'-TeCB	24.10	2.36E+08	0.78 Y	0.73	0.73	0.2%
PCB-71/40 23'46'/22'33'-TeCB	24.20	5.96E+08	0.79 Y	0.87	0.92	6.2%
PCB-64 23'46'-TeCB	24.40	4.16E+08	0.79 Y	1.24	1.28	3.8%
PCB-72 23'55'-TeCB	25.12	3.93E+08	0.79 Y	1.14	1.21	6.0%
PCB-68 23'45'-TeCB	25.37	4.18E+08	0.79 Y	1.21	1.29	6.6%
PCB-57 23'35'-TeCB	25.73	3.76E+08	0.78 Y	1.11	1.16	5.1%
PCB-58 23'35'-TeCB	25.92	3.78E+08	0.79 Y	1.10	1.17	6.1%
PCB-67 23'45'-TeCB	26.07	4.00E+08	0.78 Y	1.16	1.23	6.4%
PCB-63 23'45'-TeCB	26.30	4.17E+08	0.78 Y	1.22	1.29	6.0%
PCB-61/70/74/76 23'45'-/23'4'5	26.58	1.57E+09	0.78 Y	1.13	1.21	7.3%
PCB-66 23'44'-TeCB	26.85	3.66E+08	0.78 Y	1.08	1.13	5.1%
PCB-55 23'34'-TeCB	26.99	3.77E+08	0.78 Y	1.10	1.16	6.0%
PCB-56 23'34'-TeCB	27.41	3.62E+08	0.78 Y	1.06	1.12	5.9%
PCB-60 23'44'-TeCB	27.60	3.84E+08	0.79 Y	1.11	1.18	6.6%
PCB-80 33'55'-TeCB	27.96	4.32E+08	0.79 Y	1.25	1.33	6.4%
PCB-79 33'45'-TeCB	29.24	4.39E+08	0.78 Y	1.23	1.36	9.9%
PCB-78 33'45'-TeCB	29.71	3.70E+08	0.77 Y	1.08	1.14	5.7%
PCB-104 22'466'-PeCB	23.31	2.98E+08	0.63 Y	1.25	1.31	4.5%
PCB-96 22'366'-PeCB	23.60	2.60E+08	0.63 Y	1.08	1.14	6.5%
PCB-103 22'45'6'-PeCB	25.28	2.65E+08	0.63 Y	0.90	0.93	2.7%
PCB-94 22'356'-PeCB	25.46	2.32E+08	0.62 Y	0.78	0.81	4.2%
PCB-95 22'35'6'-PeCB	25.83	2.47E+08	0.63 Y	0.83	0.86	4.4%
PCB-100/93 22'44'6'-/22'356'-P	26.04	4.92E+08	0.63 Y	0.84	0.86	1.7%
PCB-102 22'456'-PeCB	26.14	2.81E+08	0.63 Y	0.90	0.98	8.9%
PCB-98 22'3'46'-PeCB	26.21	2.30E+08	0.63 Y	0.77	0.80	3.9%
PCB-88 22'346'-PeCB	26.50	2.39E+08	0.63 Y	0.79	0.83	5.2%
PCB-91 22'34'6'-PeCB	26.57	2.64E+08	0.63 Y	0.88	0.92	4.7%
PCB-84 22'33'6'-PeCB	26.74	2.13E+08	0.62 Y	0.71	0.74	4.5%
PCB-89 22'346'-PeCB	27.15	2.26E+08	0.63 Y	0.76	0.79	3.6%
PCB-121 23'45'6'-PeCB	27.53	3.39E+08	0.63 Y	1.14	1.18	3.3%
PCB-92 22'355'-PeCB	27.83	2.39E+08	0.63 Y	0.80	0.84	4.4%
PCB-113/90/101 23'35'6'-/22'3	28.31	8.36E+08	0.63 Y	0.93	0.97	4.0%
PCB-83 22'335'-PeCB	28.72	2.03E+08	0.62 Y	0.71	0.71	-0.5%
PCB-99 22'44'5'-PeCB	28.83	2.76E+08	0.63 Y	0.87	0.96	10.6%
PCB-112 23'35'6'-PeCB	28.92	3.25E+08	0.63 Y	1.13	1.13	0.7%
PCB-108/119/86/97/125/87 233	29.26	1.71E+09	0.63 Y	0.95	0.99	4.5%
PCB-117 23'4'56'-PeCB	29.78	3.04E+08	0.62 Y	1.04	1.06	2.2%
PCB-116/85 23'456'-/22'344'-Pe	29.86	5.85E+08	0.63 Y	0.97	1.02	5.0%
PCB-110 23'3'4'6'-PeCB	29.99	3.09E+08	0.63 Y	1.02	1.08	5.5%

PCB QC Summary - Ax2 Detail

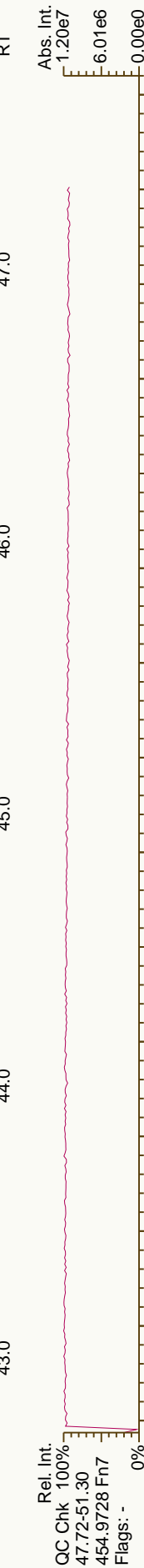
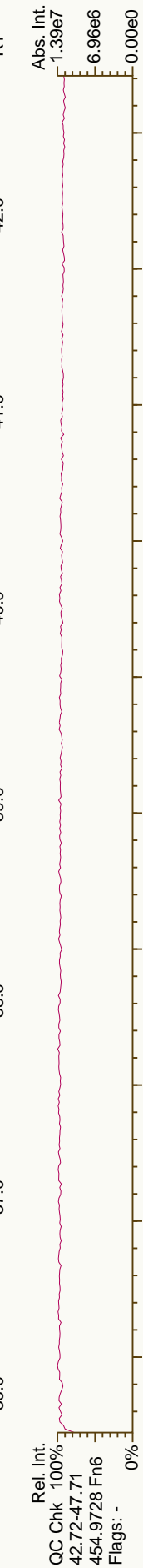
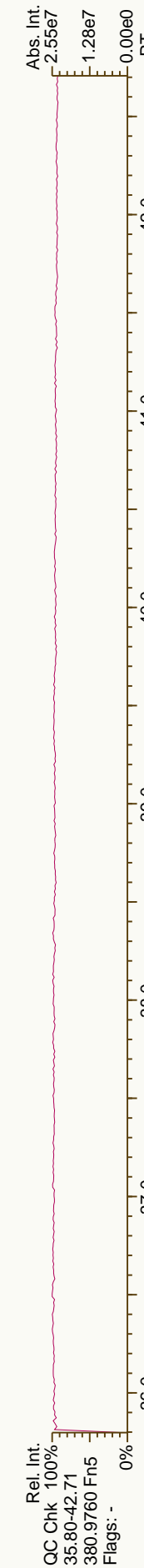
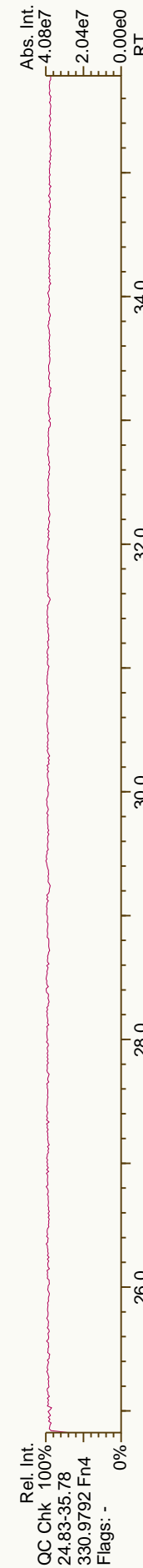
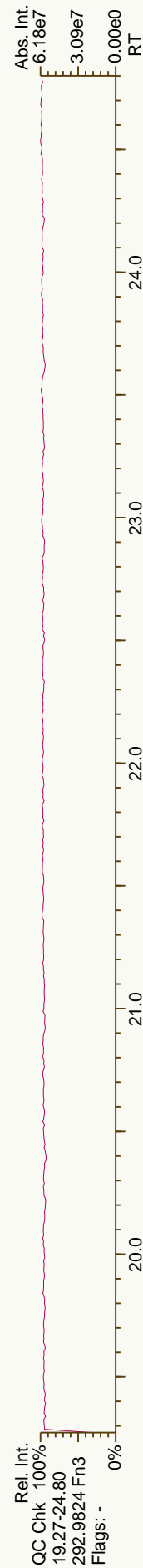
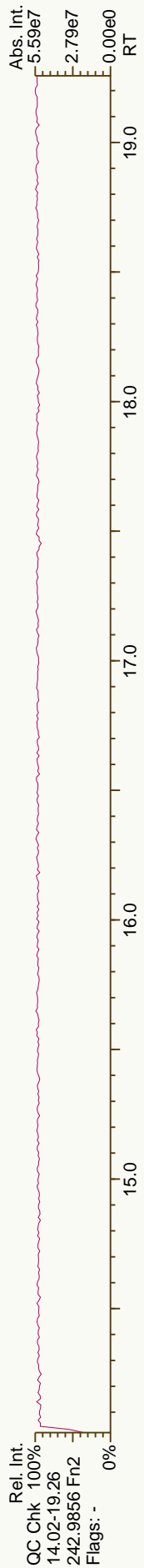
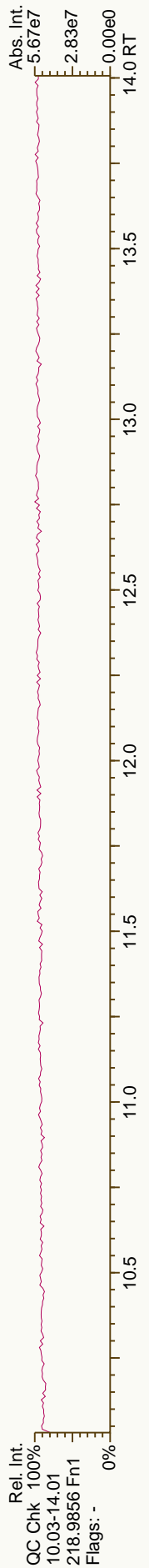
Lab ID: CS4_120725_PCB_XB
 Acquired: 26-JUL-2012 06:32
 Datafile: 120725X19

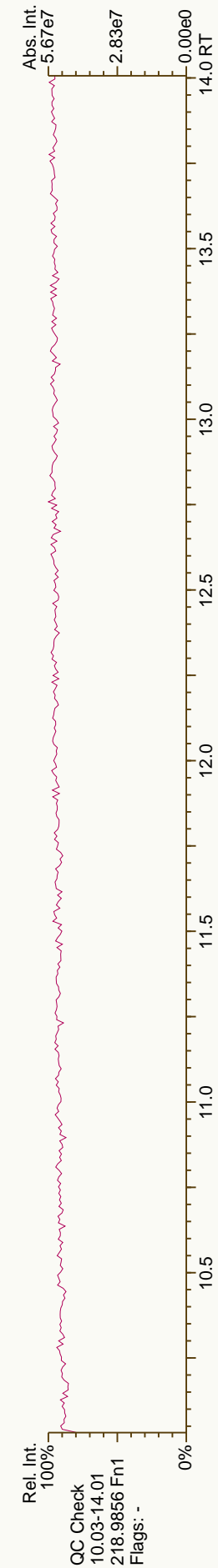
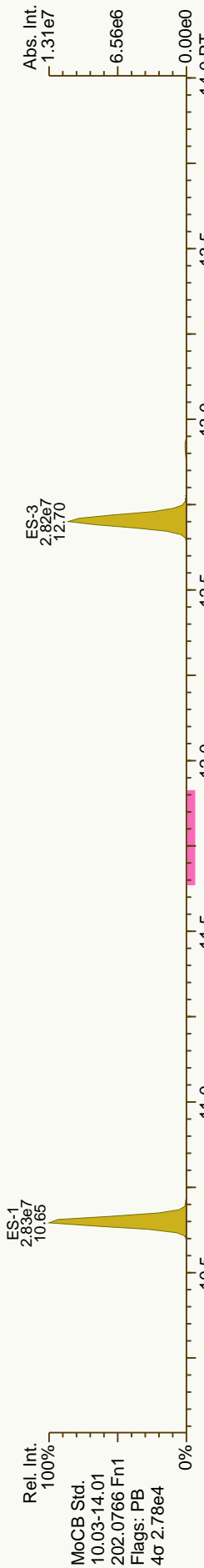
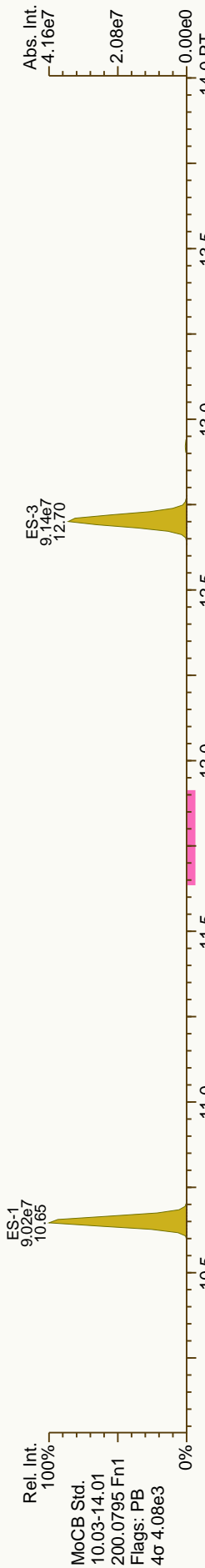
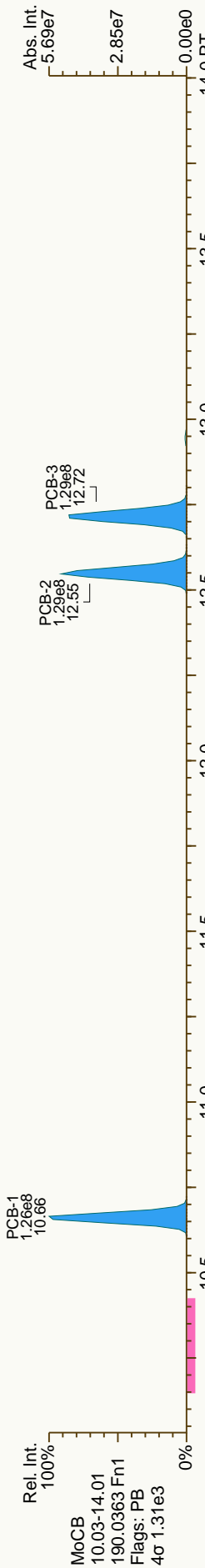
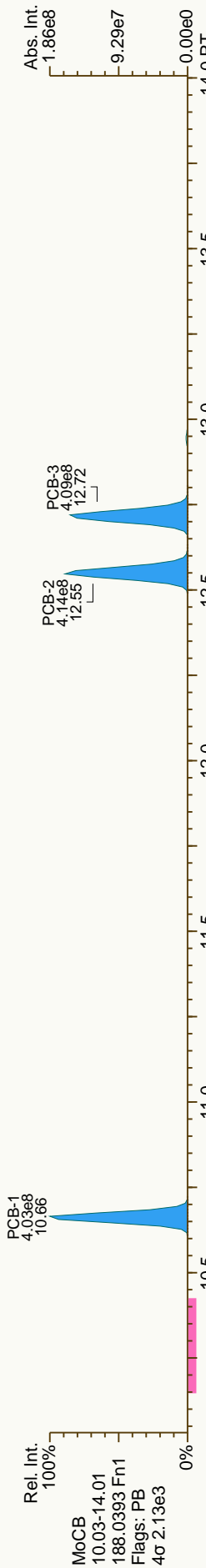
ICAL: MM7_PCB_07132012_25JUL12

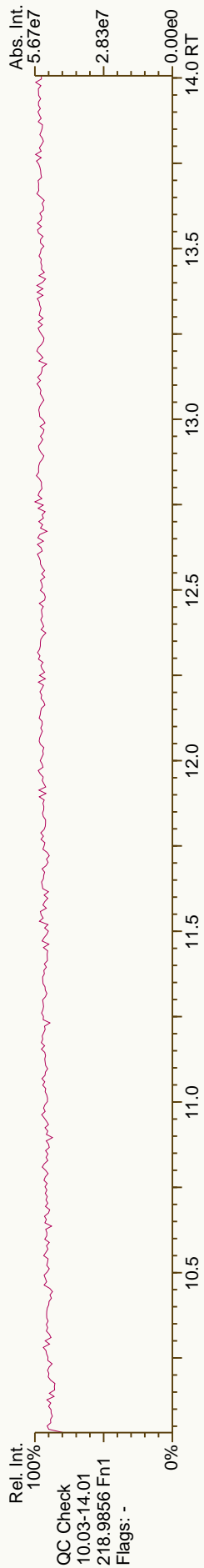
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6"-PeCB	30.07	3.35E+08	0.63 Y	1.16	1.17	1.0%
PCB-82 22'33'4"-PeCB	30.25	2.08E+08	0.63 Y	0.69	0.73	5.1%
PCB-111 233'55"-PeCB	30.60	3.45E+08	0.63 Y	1.15	1.21	4.4%
PCB-120 23'455"-PeCB	30.99	3.48E+08	0.63 Y	1.16	1.21	4.6%
PCB-107/124 233'4'5"-/2'3455'	31.93	6.43E+08	0.63 Y	1.07	1.12	4.4%
PCB-109 233'46"-PeCB	32.13	3.41E+08	0.63 Y	1.14	1.19	4.3%
PCB-106 233'45"-PeCB	32.34	3.24E+08	0.63 Y	1.07	1.13	5.7%
PCB-122 2'33'45"-PeCB	32.79	3.03E+08	0.63 Y	1.00	1.04	3.9%
PCB-127 33'455"-PeCB	34.74	3.33E+08	0.63 Y	1.10	1.17	6.4%
PCB-155 22'44'66"-HxCB	28.16	3.26E+08	1.27 Y	1.09	1.15	5.6%
PCB-152 22'3'566"-HxCB	28.30	3.05E+08	1.26 Y	1.01	1.08	6.5%
PCB-150 22'34'66"-HxCB	28.45	3.08E+08	1.27 Y	1.00	1.09	8.2%
PCB-136 22'33'66"-HxCB	28.73	2.87E+08	1.26 Y	0.95	1.01	6.3%
PCB-145 22'34'66"-HxCB	29.00	2.91E+08	1.25 Y	0.96	1.03	6.7%
PCB-148 22'34'56"-HxCB	30.28	2.27E+08	1.27 Y	0.97	1.05	8.2%
PCB-151/135 22'355'6"-/22'33'	30.79	4.40E+08	1.26 Y	0.96	1.02	5.6%
PCB-154 22'44'5'6"-HxCB	31.00	2.51E+08	1.25 Y	1.09	1.16	6.5%
PCB-144 22'345'6"-HxCB	31.25	2.25E+08	1.26 Y	0.98	1.04	6.0%
PCB-147/149 22'34'56"-/22'34'	31.55	4.53E+08	1.26 Y	0.99	1.05	6.4%
PCB-134 22'33'56"-HxCB	31.71	1.85E+08	1.26 Y	0.80	0.86	7.0%
PCB-143 22'3456"-HxCB	31.79	2.15E+08	1.27 Y	0.95	1.00	4.4%
PCB-139/140 22'344'6"-/22'344'	32.06	4.63E+08	1.26 Y	1.00	1.07	7.2%
PCB-131 22'33'46"-HxCB	32.22	1.99E+08	1.26 Y	0.85	0.92	8.5%
PCB-142 22'3456"-HxCB	32.36	2.02E+08	1.27 Y	0.87	0.93	7.0%
PCB-132 22'33'46"-HxCB	32.59	2.05E+08	1.26 Y	0.89	0.95	6.8%
PCB-133 22'33'55"-HxCB	33.03	2.13E+08	1.27 Y	0.91	0.99	8.0%
PCB-165 233'55'6"-HxCB	33.37	2.61E+08	1.25 Y	1.13	1.21	6.6%
PCB-146 22'34'55"-HxCB	33.57	2.29E+08	1.26 Y	1.01	1.06	5.1%
PCB-161 233'45'6"-HxCB	33.69	2.92E+08	1.27 Y	1.25	1.35	7.8%
PCB-153/168 22'44'55"-/23'44'	34.12	5.61E+08	1.27 Y	1.22	1.30	6.5%
PCB-141 22'3455"-HxCB	34.25	2.12E+08	1.27 Y	0.93	0.98	5.7%
PCB-130 22'33'45"-HxCB	34.59	1.93E+08	1.26 Y	0.85	0.89	5.6%
PCB-137 22'344'5"-HxCB	34.78	2.23E+08	1.25 Y	1.04	1.03	-1.2%
PCB-164 233'4'5'6"-HxCB	34.86	2.99E+08	1.27 Y	1.22	1.38	13.2%
PCB-163/138/129 233'4'56"-/22'	35.15	7.12E+08	1.26 Y	1.02	1.10	7.3%
PCB-160 233'456"-HxCB	35.28	2.72E+08	1.27 Y	1.21	1.26	4.2%
PCB-158 233'44'6"-HxCB	35.46	3.05E+08	1.26 Y	1.34	1.41	5.5%
PCB-128/166 22'33'44"-/2344'5	36.18	5.38E+08	1.25 Y	0.90	0.94	4.8%
PCB-159 233'455"-HxCB	37.02	3.22E+08	1.25 Y	1.06	1.13	5.9%
PCB-162 233'4'55"-HxCB	37.25	3.25E+08	1.25 Y	1.08	1.14	5.7%
PCB-188 22'34'566"-HpCB	32.97	2.48E+08	1.05 Y	1.03	1.10	6.3%
PCB-179 22'33'566"-HpCB	33.23	2.29E+08	1.06 Y	0.97	1.02	5.0%
PCB-184 22'344'66"-HpCB	33.70	2.25E+08	1.05 Y	0.93	1.00	7.0%

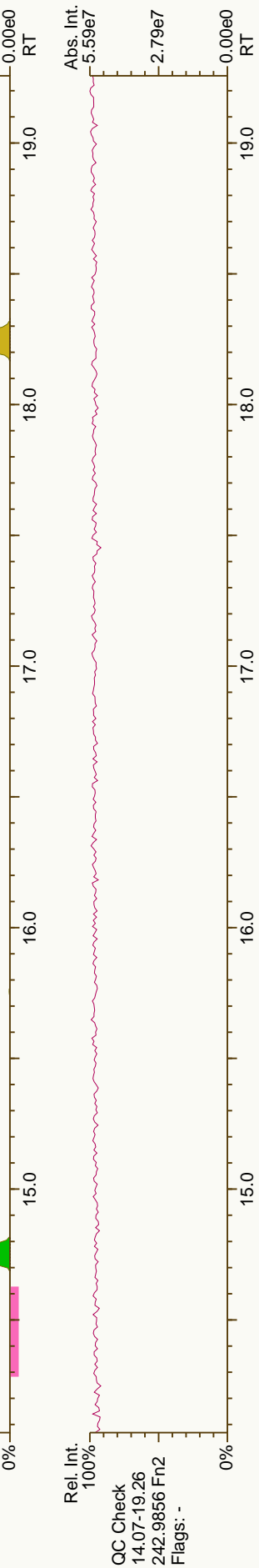
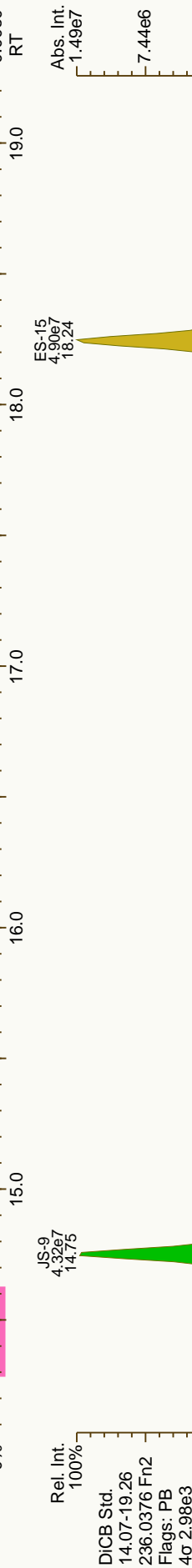
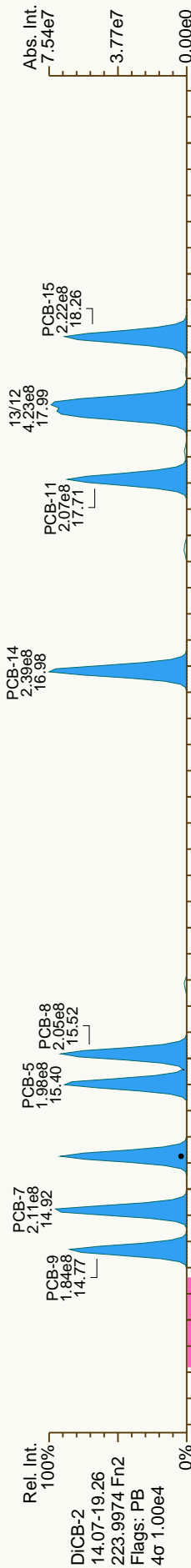
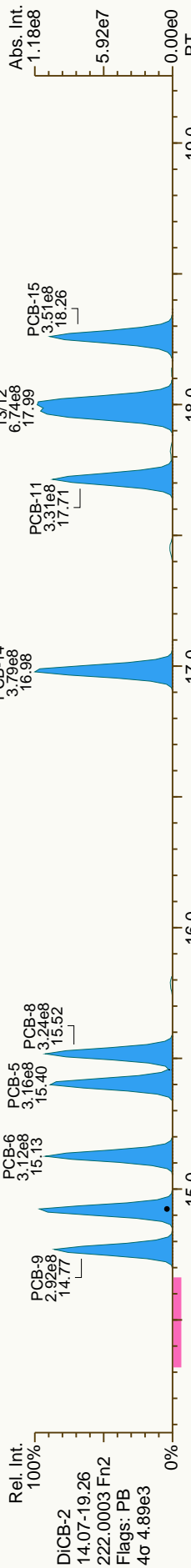
PCB QC Summary - Ax2 Detail

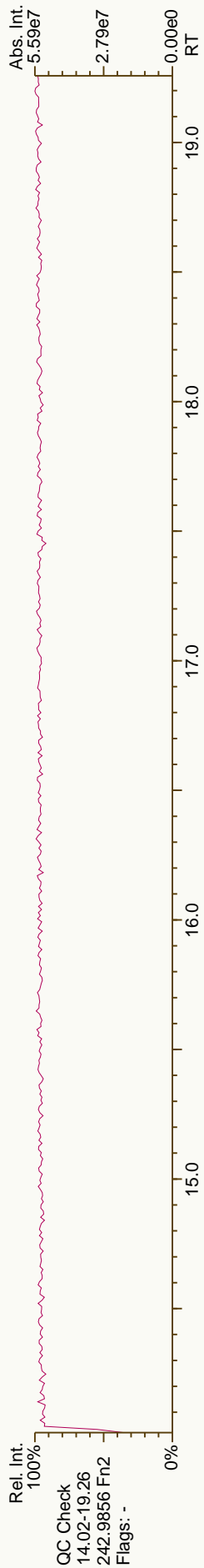
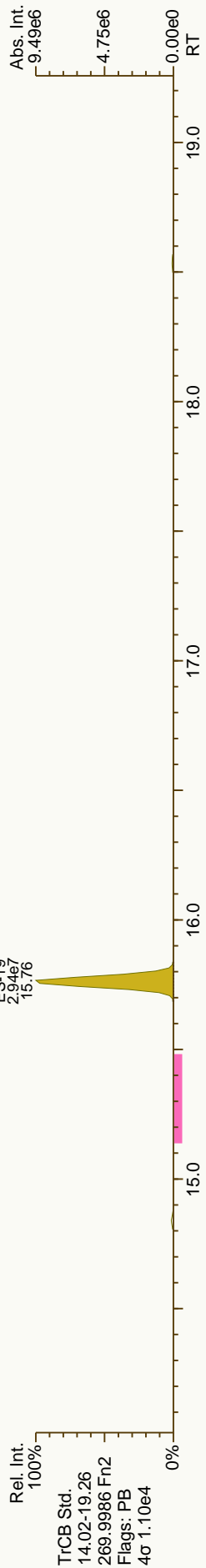
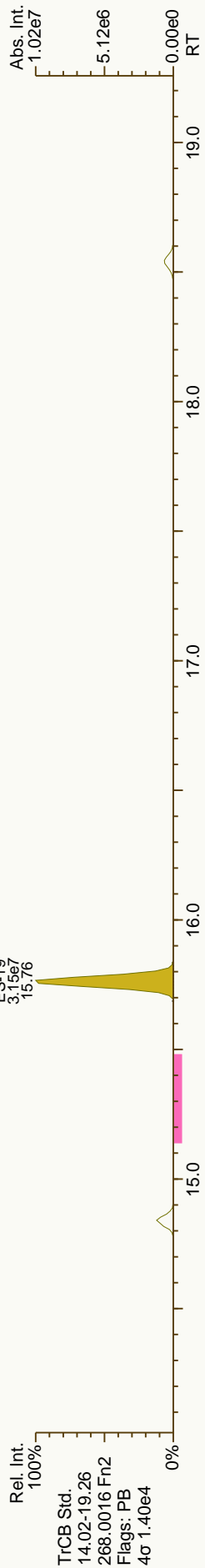
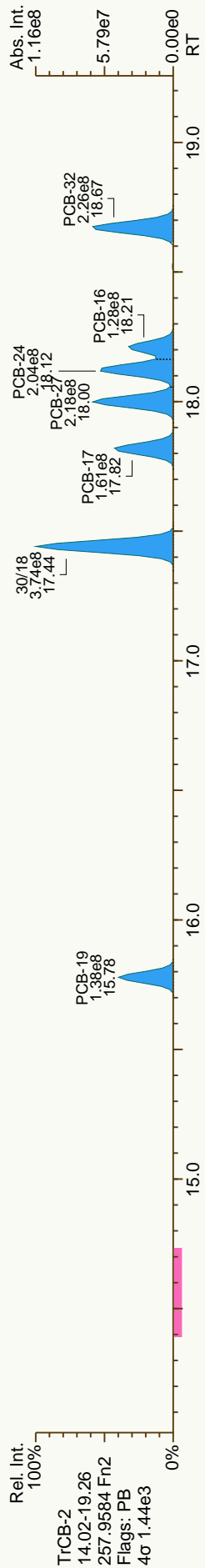
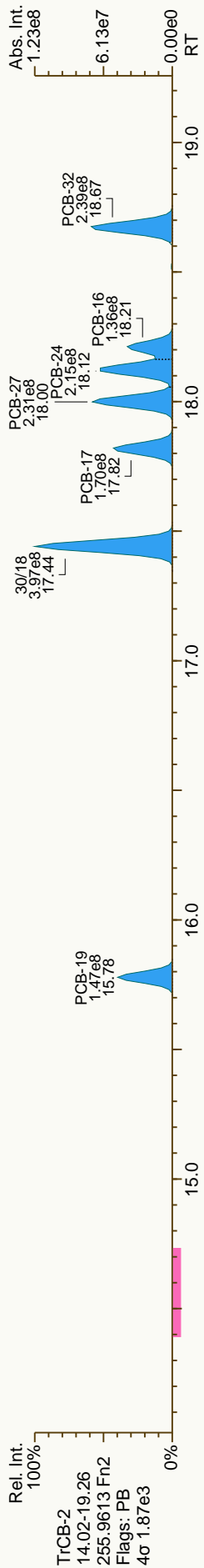
Lab ID:	CS4_120725_PCB_XB		ICAL: MM7_PCB_07132012_25JUL12			
Acquired:	26-JUL-2012 06:32					
Datafile:	120725X19					
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-176 22'33'466'-HpCB	33.98	2.48E+08	1.05 Y	1.05	1.10	5.1%
PCB-186 22'34'566'-HpCB	34.36	2.33E+08	1.05 Y	0.98	1.03	5.4%
PCB-178 22'33'556'-HpCB	35.51	1.74E+08	1.06 Y	0.74	0.77	4.8%
PCB-175 22'33'456'-HpCB	36.05	2.17E+08	1.06 Y	1.01	1.08	6.8%
PCB-187 22'34'556'-HpCB	36.28	2.28E+08	1.05 Y	1.06	1.13	6.4%
PCB-182 22'344'56'-HpCB	36.45	2.33E+08	1.05 Y	1.11	1.15	3.9%
PCB-183 22'344'56'-HpCB	36.80	2.54E+08	1.05 Y	1.13	1.26	11.0%
PCB-185 22'34556'-HpCB	36.87	2.08E+08	1.06 Y	1.02	1.03	1.3%
PCB-174 22'33'456'-HpCB	36.98	1.93E+08	1.06 Y	0.93	0.96	3.3%
PCB-177 22'33'456'-HpCB	37.35	1.93E+08	1.05 Y	0.91	0.96	5.8%
PCB-181 22'344'56'-HpCB	37.69	2.24E+08	1.05 Y	1.06	1.11	4.4%
PCB-171/173 22'33'446'-/22'3	37.86	3.92E+08	1.05 Y	0.93	0.97	4.8%
PCB-172 22'33'455'-HpCB	39.23	2.02E+08	1.05 Y	0.95	1.00	4.8%
PCB-192 233'4556'-HpCB	39.48	2.62E+08	1.05 Y	1.24	1.30	4.8%
PCB-180/193 22'344'55'-/233'	39.75	4.93E+08	1.06 Y	1.16	1.22	5.5%
PCB-191 233'44'56'-HpCB	40.07	2.73E+08	1.05 Y	1.30	1.36	4.1%
PCB-170 22'33'445'-HpCB	40.82	1.97E+08	1.05 Y	1.07	1.13	5.3%
PCB-190 233'44'56'-HpCB	41.27	2.68E+08	1.05 Y	1.45	1.54	6.1%
PCB-202 22'33'5566'-OcCB	37.46	2.09E+08	0.90 Y	0.91	0.96	4.8%
PCB-201 22'33'4566'-OcCB	38.23	2.34E+08	0.90 Y	1.02	1.07	5.1%
PCB-204 22'344'566'-OcCB	38.81	2.20E+08	0.91 Y	0.98	1.01	3.5%
PCB-197 22'33'4466'-OcCB	38.99	2.43E+08	0.89 Y	1.06	1.12	4.9%
PCB-200 22'33'4566'-OcCB	39.07	2.20E+08	0.90 Y	0.96	1.01	5.2%
PCB-198/199 22'33'4556'-/22'	41.40	3.30E+08	0.90 Y	0.72	0.76	5.6%
PCB-196 22'33'4456'-OcCB	41.97	1.71E+08	0.90 Y	0.73	0.79	7.5%
PCB-203 22'344'556'-OcCB	42.14	1.78E+08	0.91 Y	0.76	0.82	6.7%
PCB-195 22'33'4456'-OcCB	43.24	1.78E+08	0.89 Y	0.80	0.85	6.2%
PCB-194 22'33'4455'-OcCB	45.19	1.91E+08	0.90 Y	0.87	0.91	4.1%
PCB-205 233'44'556'-OcCB	45.58	2.39E+08	0.90 Y	1.09	1.14	4.7%
PCB-208 22'33'45566'-NoCB	43.04	2.24E+08	0.78 Y	1.02	1.08	6.2%
PCB-207 22'33'44566'-NoCB	43.82	2.33E+08	0.78 Y	1.06	1.12	6.3%
PCB-206 22'33'44556'-NoCB	47.04	1.58E+08	0.78 Y	0.98	1.04	6.1%

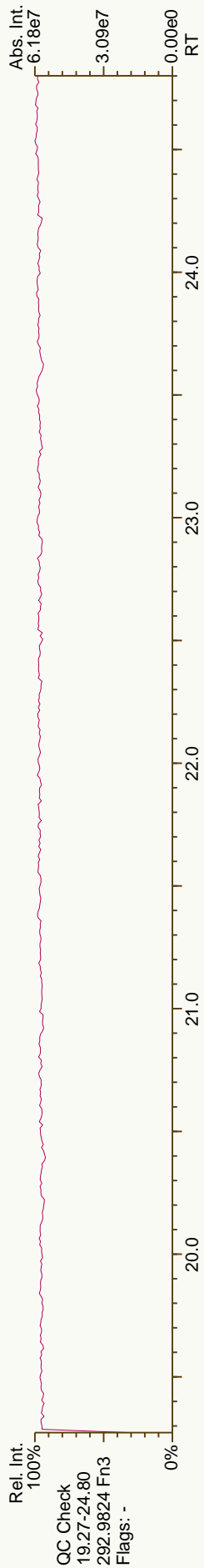
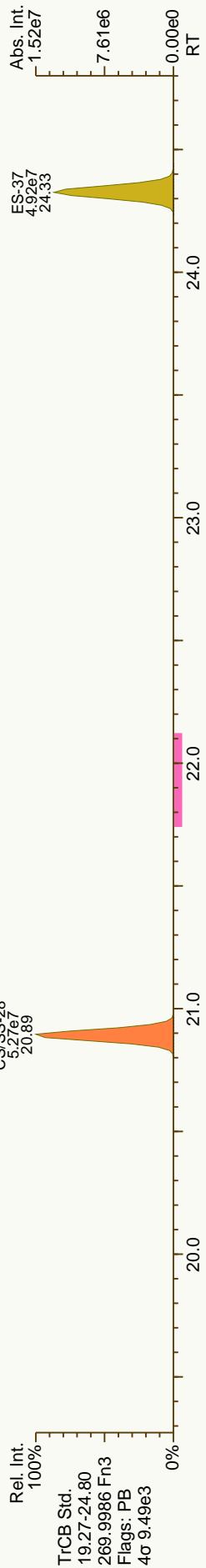
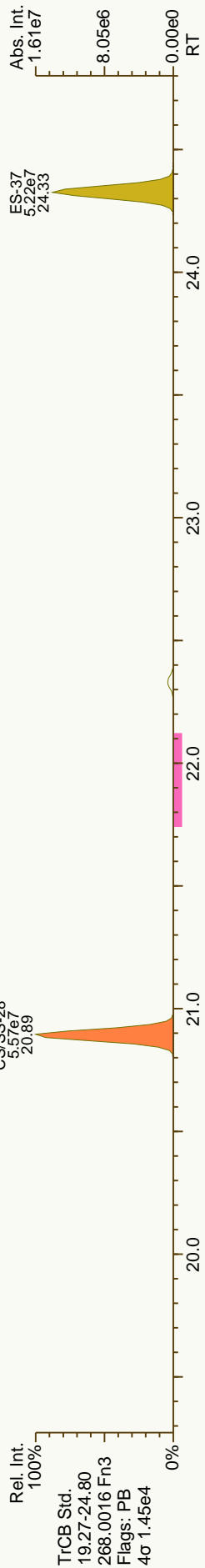
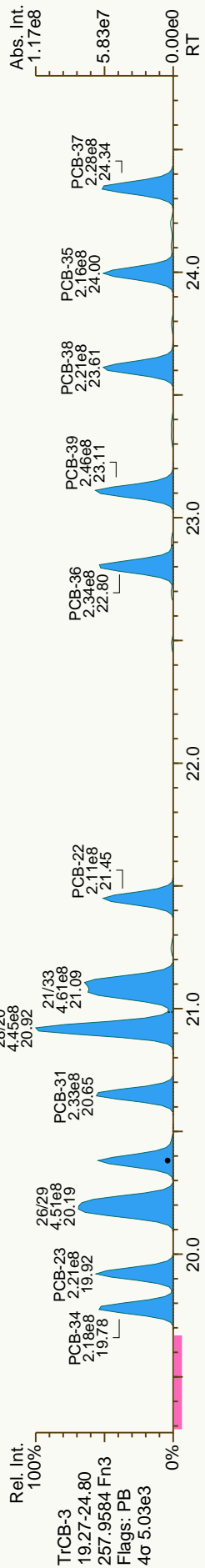
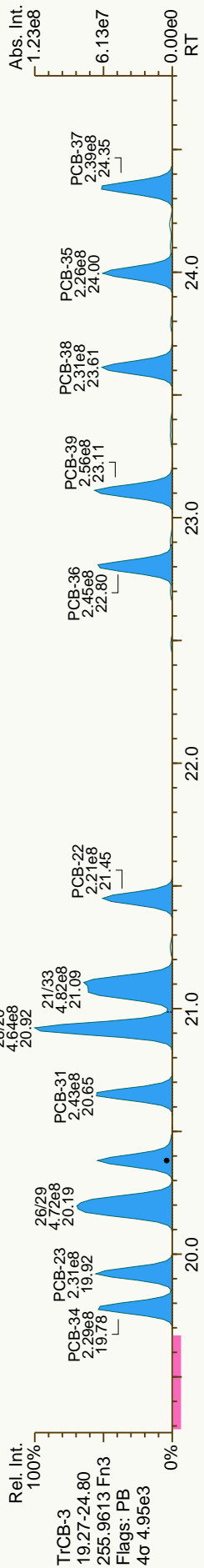


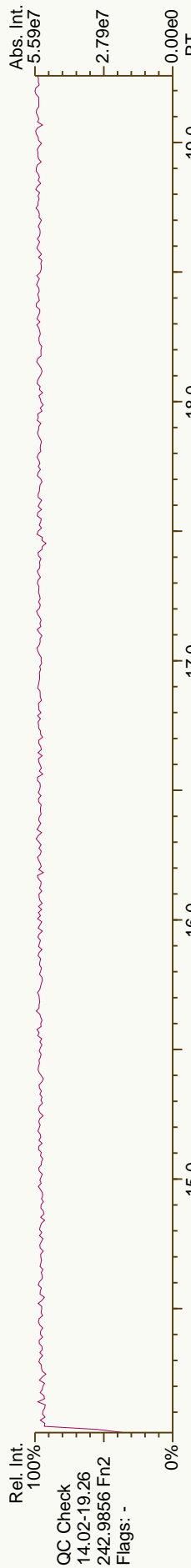
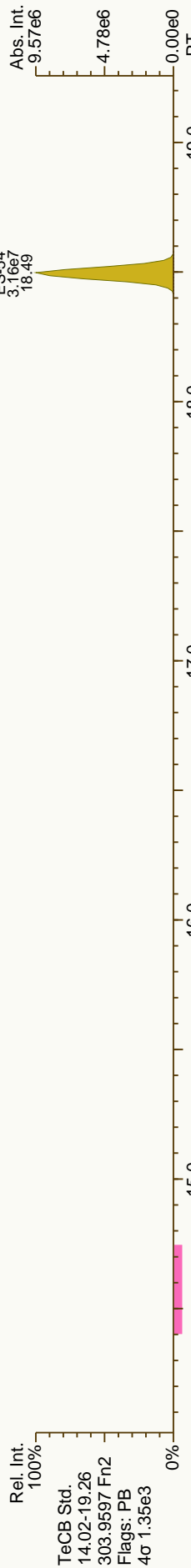
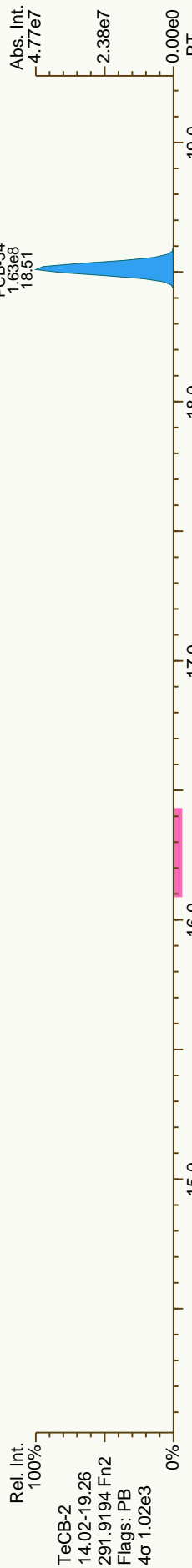
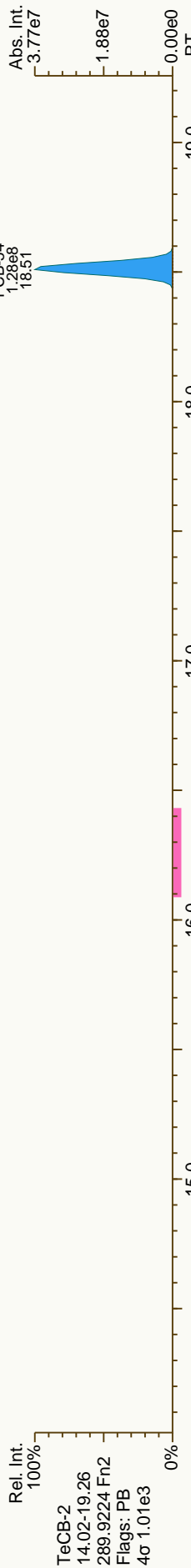


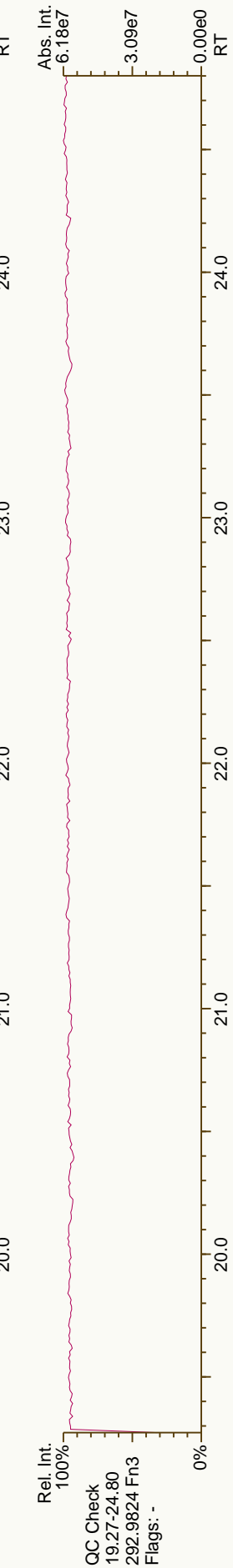
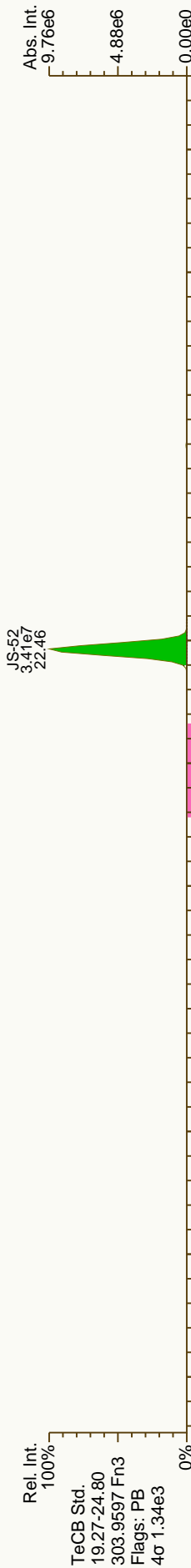
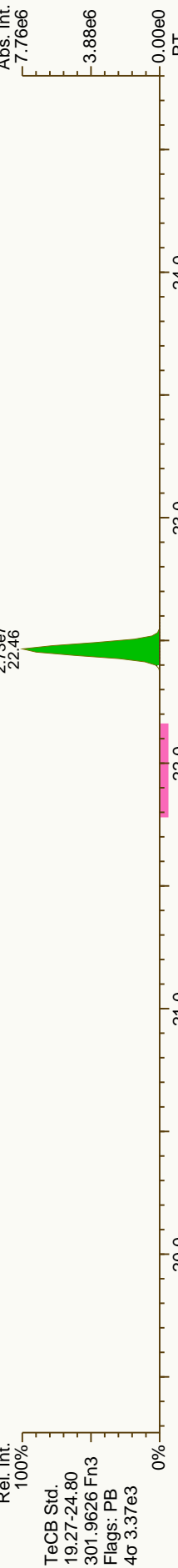
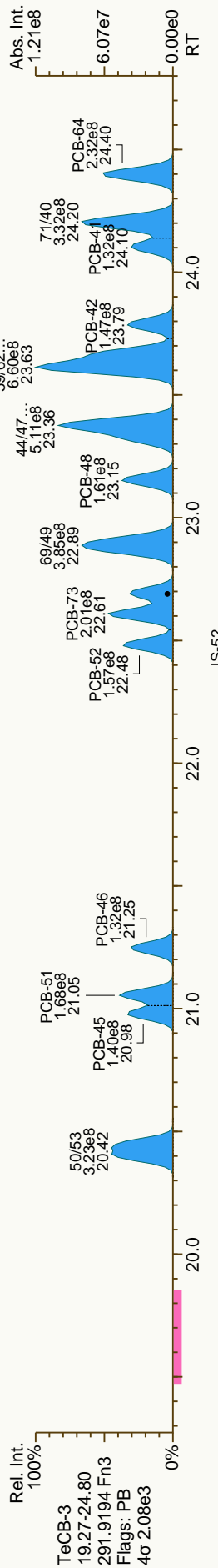
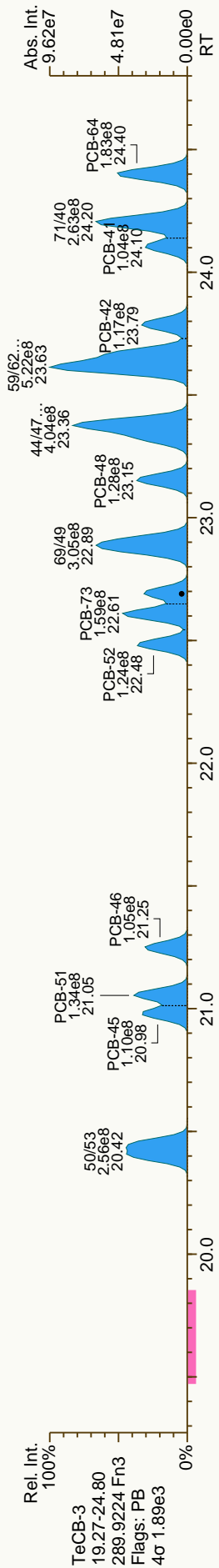


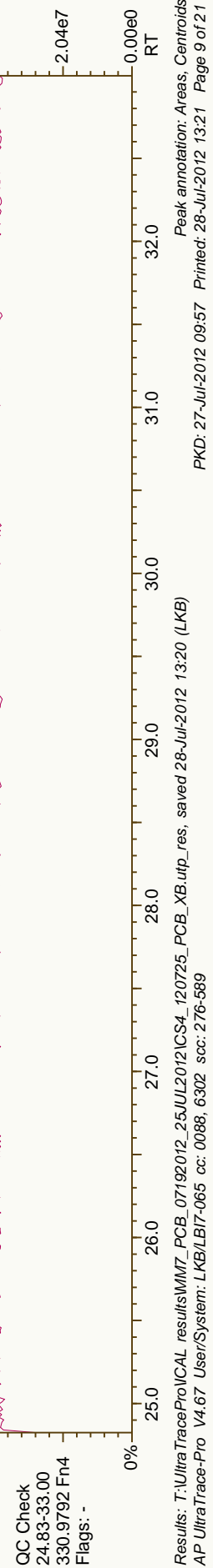
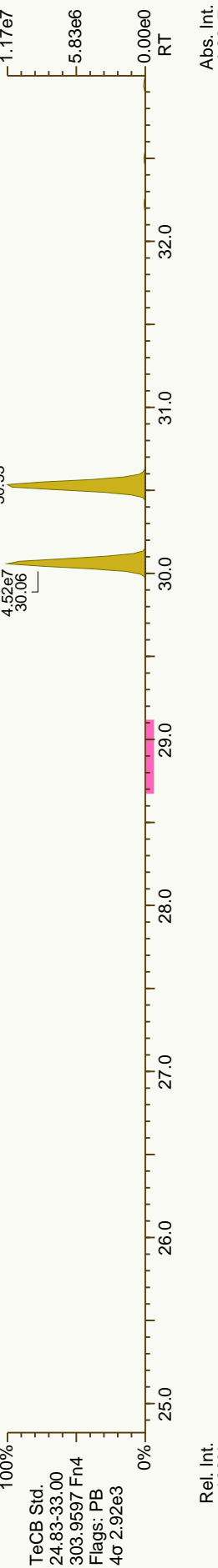
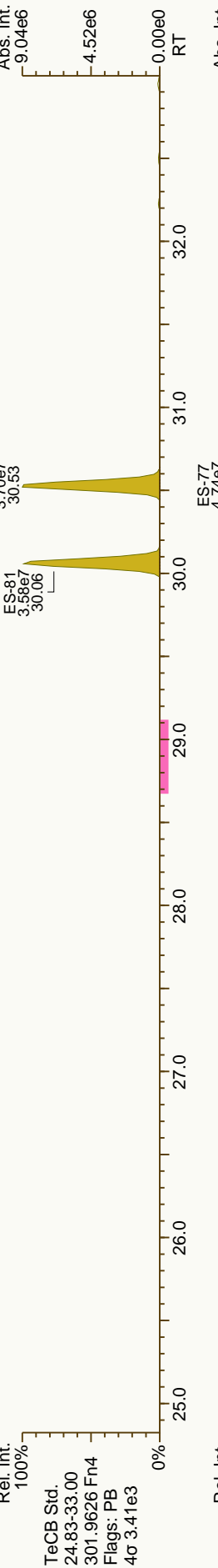
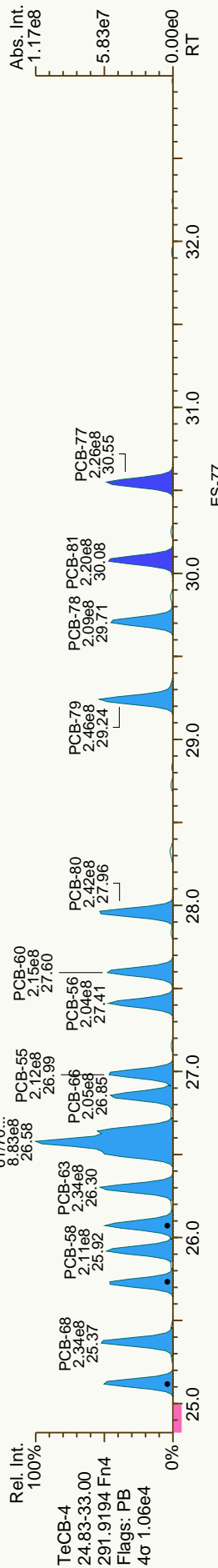
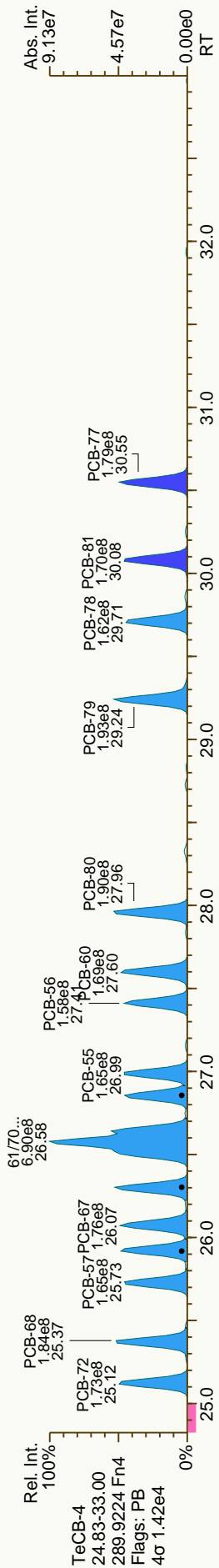


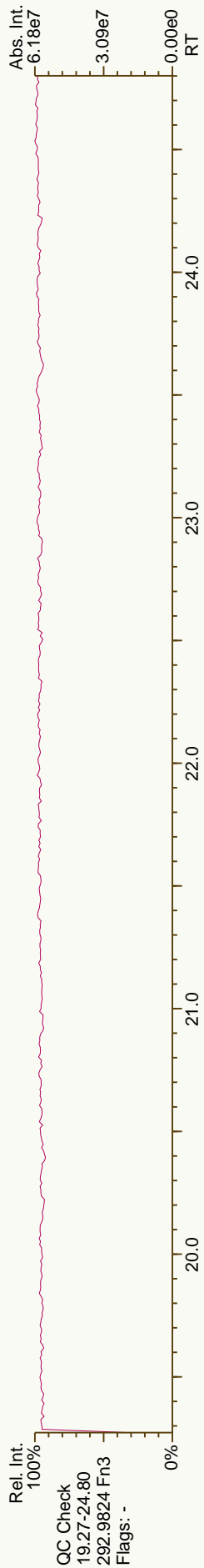
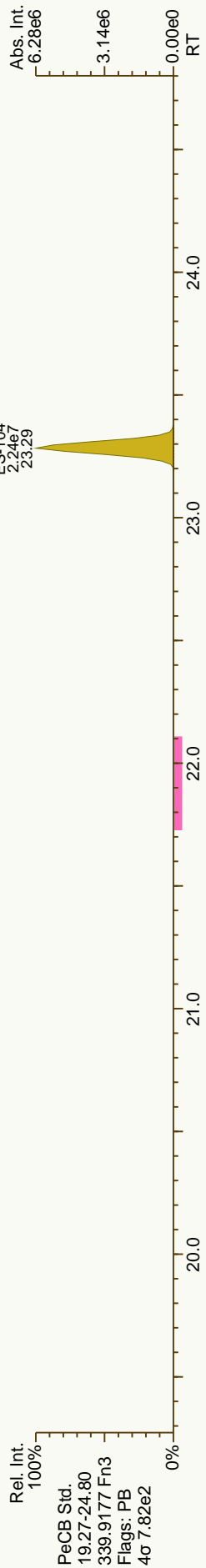
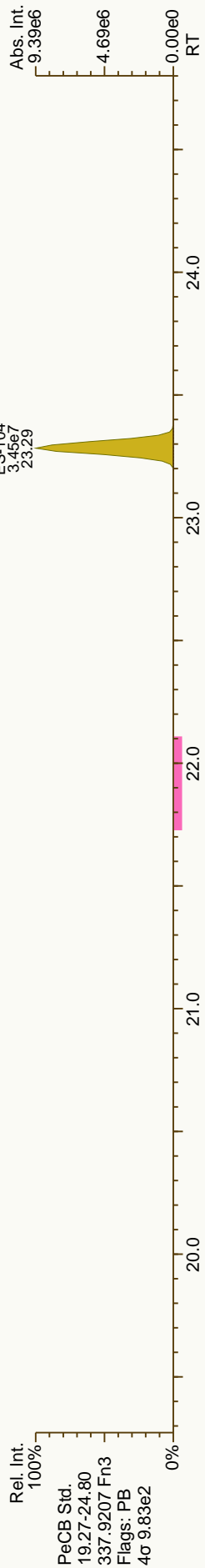
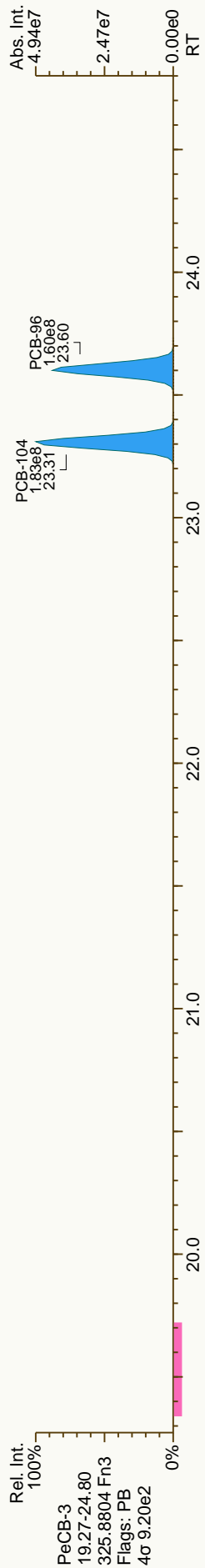
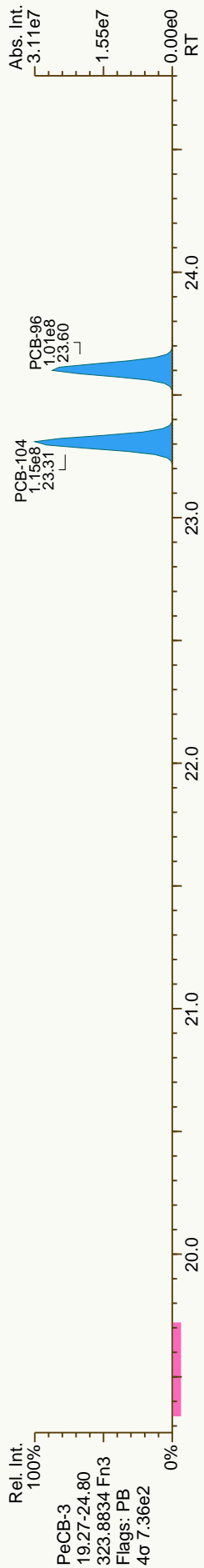




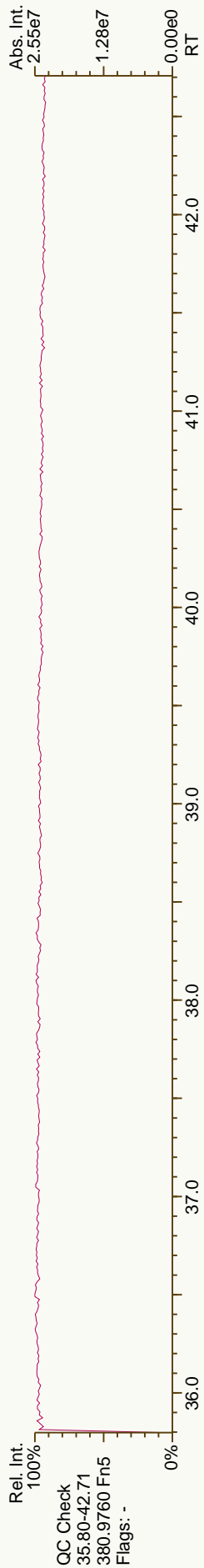
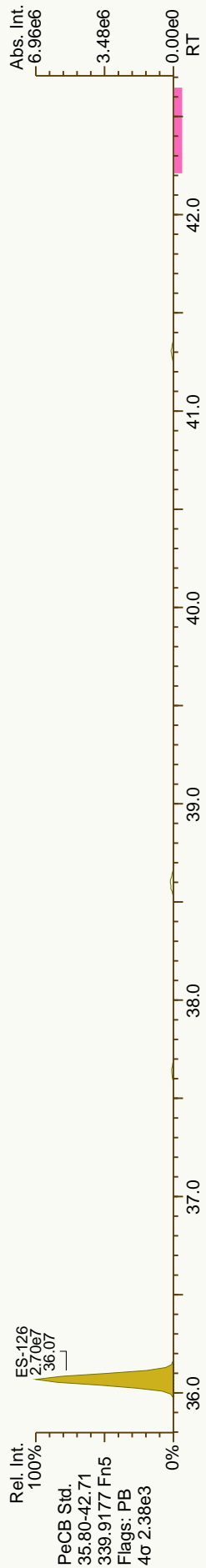
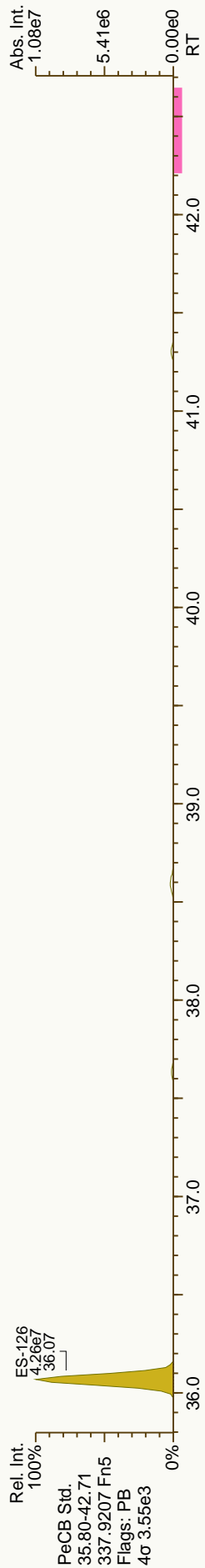
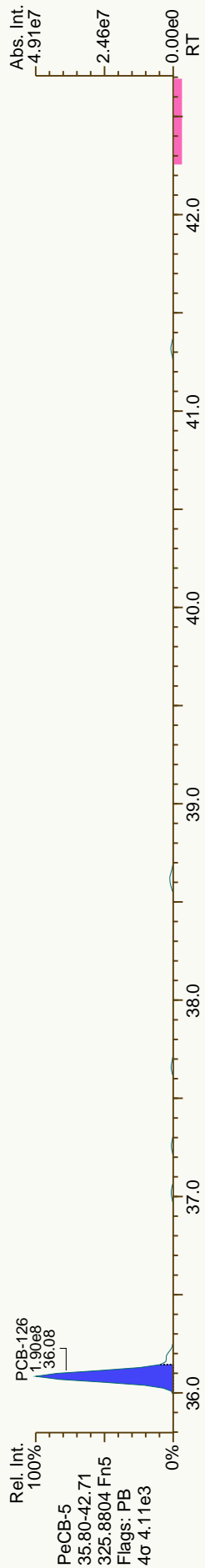
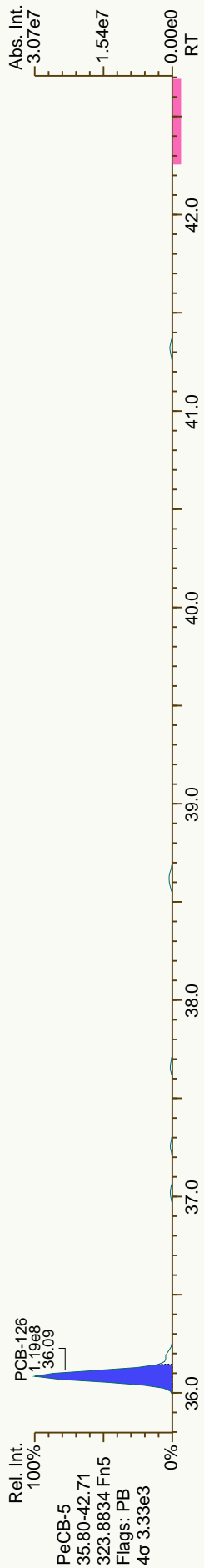


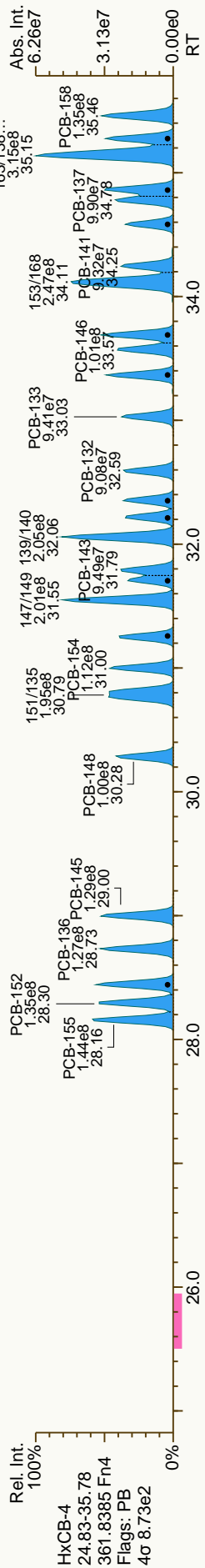
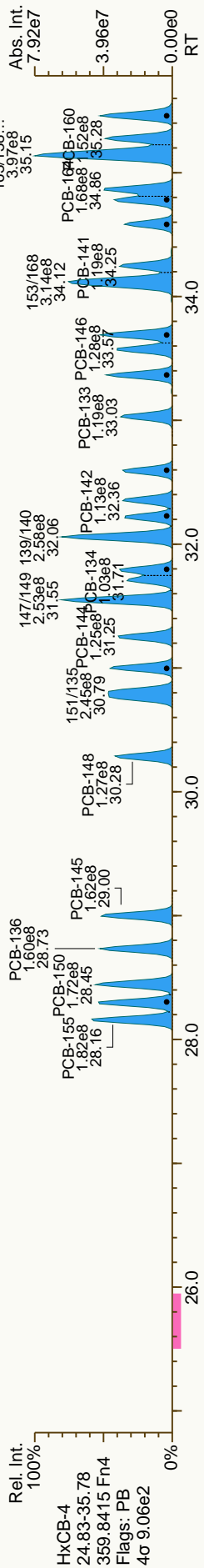


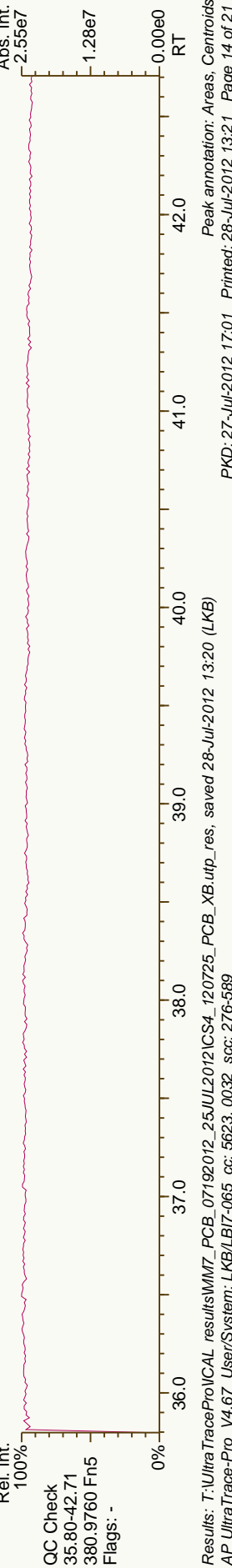
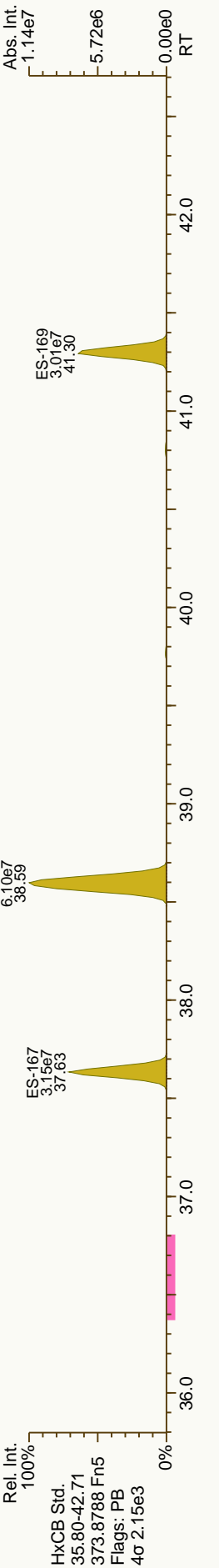
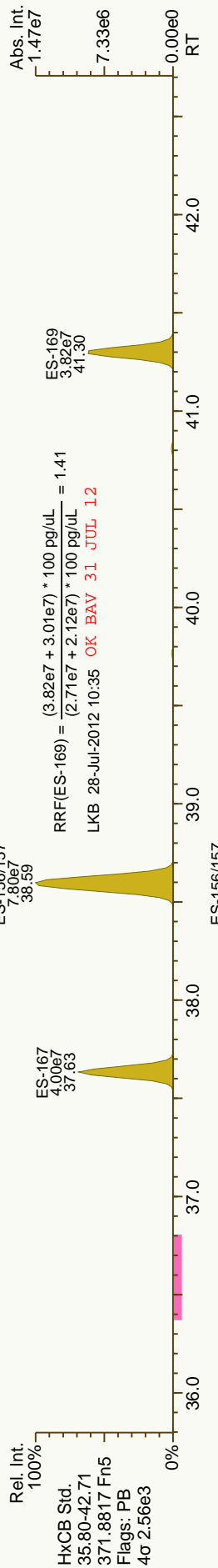
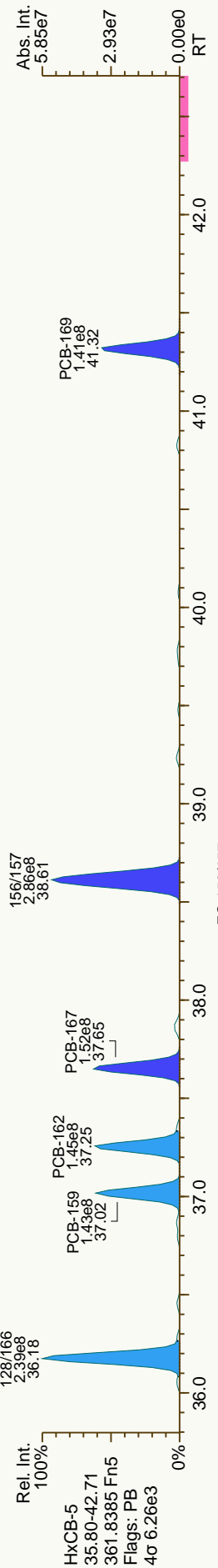
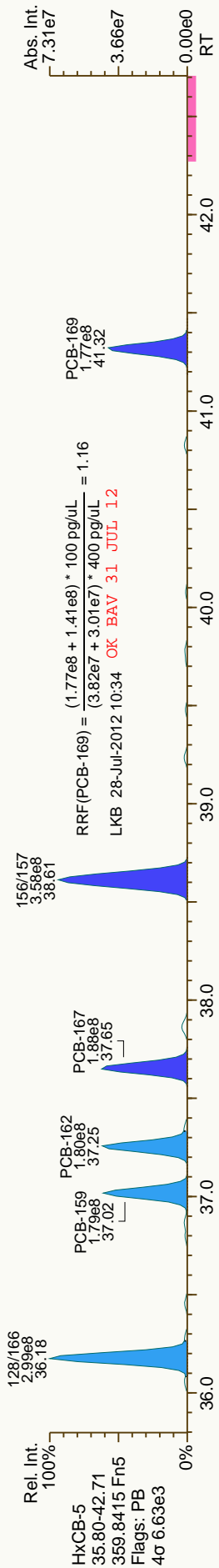


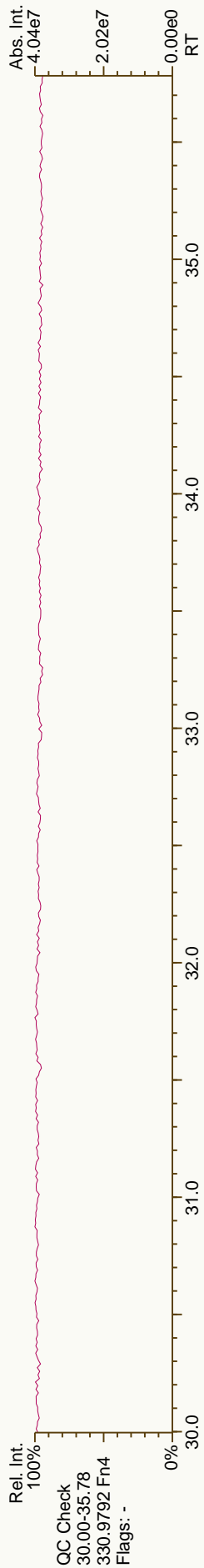
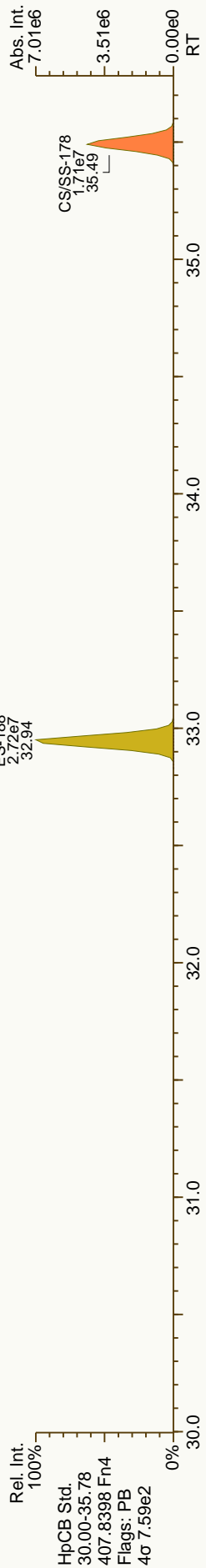
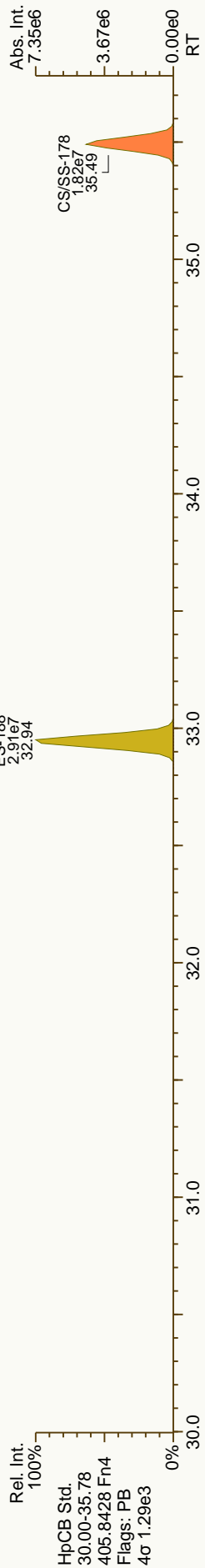
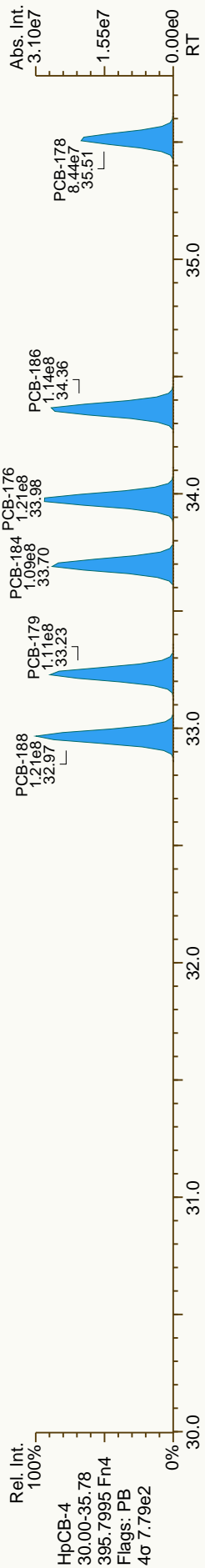
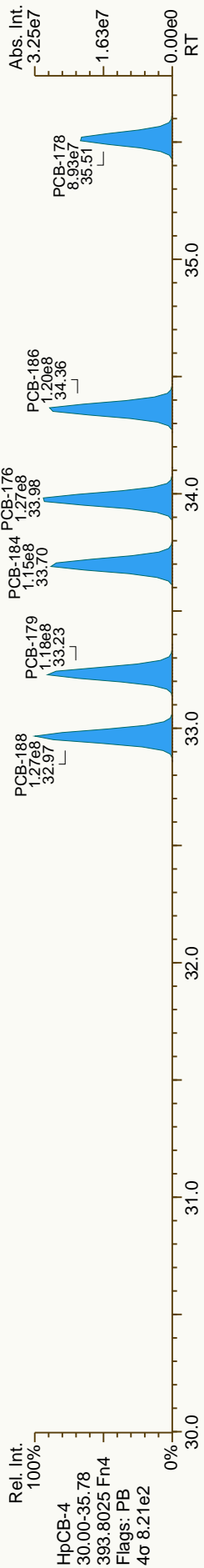


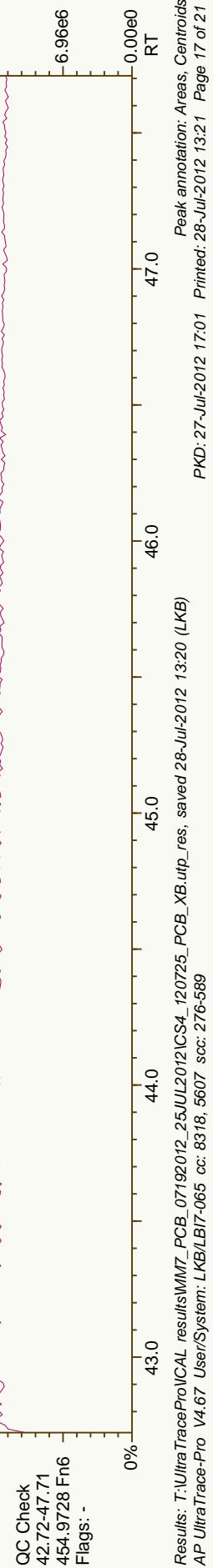
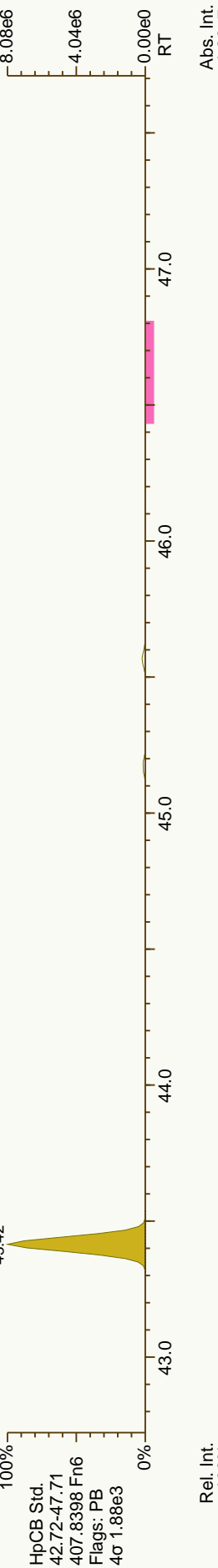
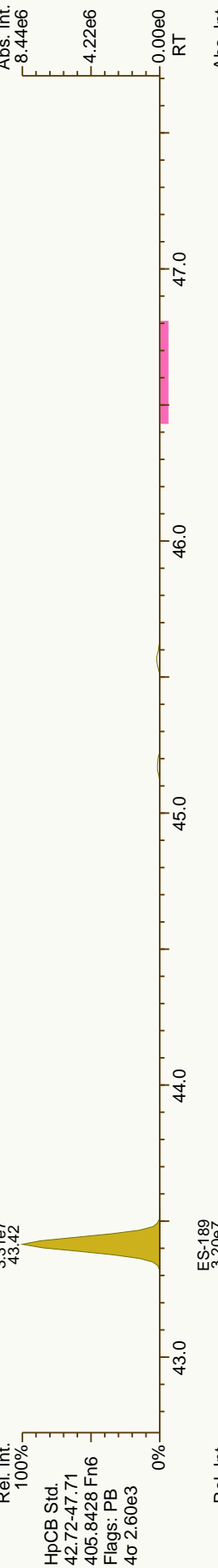
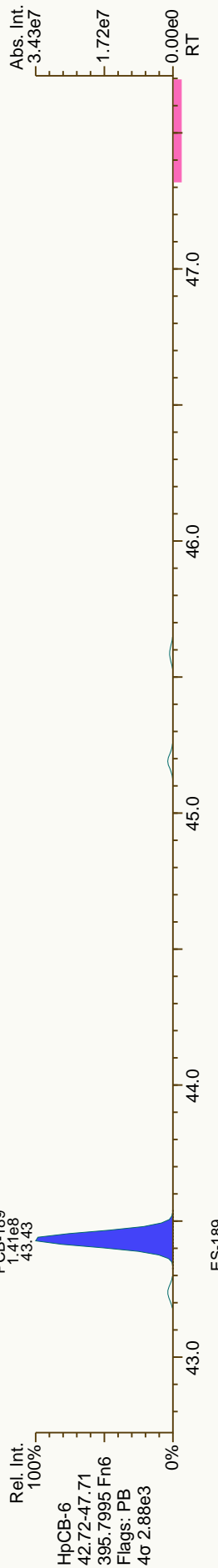
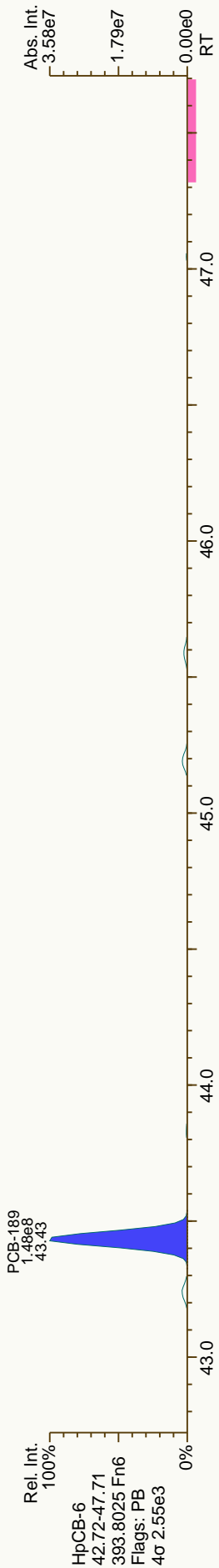
WO# 31203249

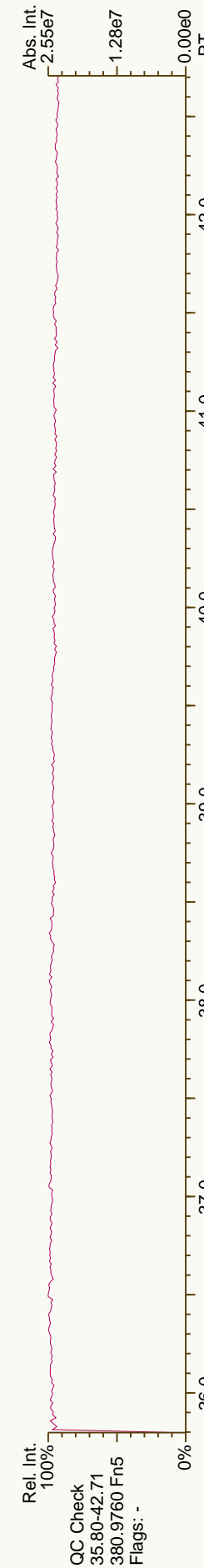
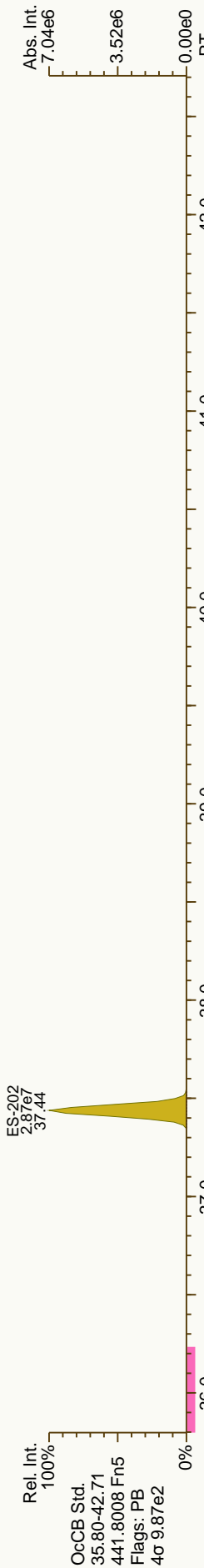
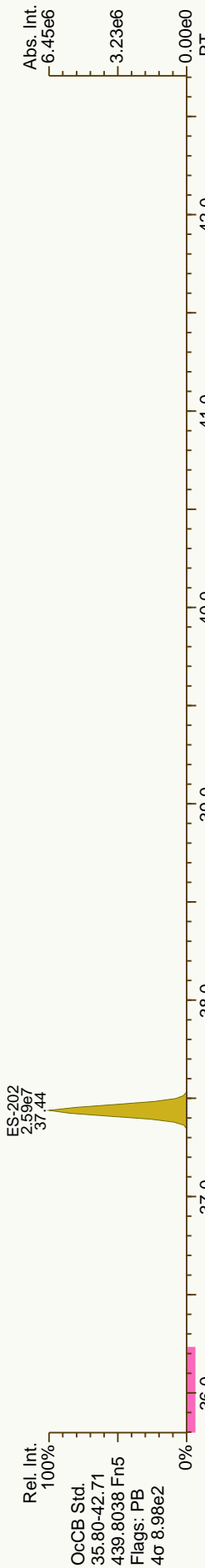
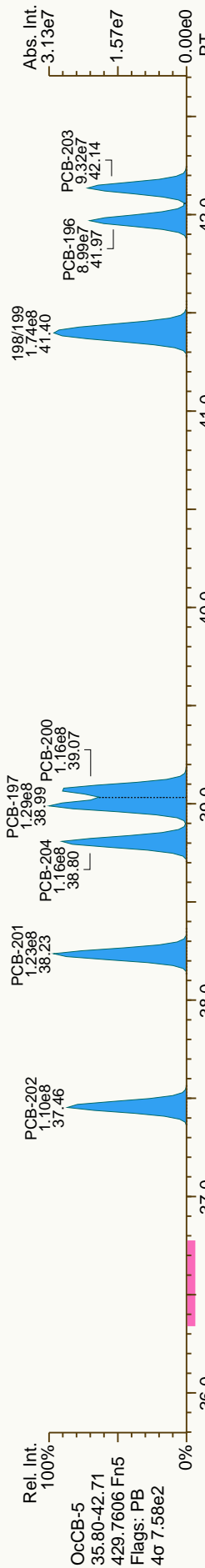
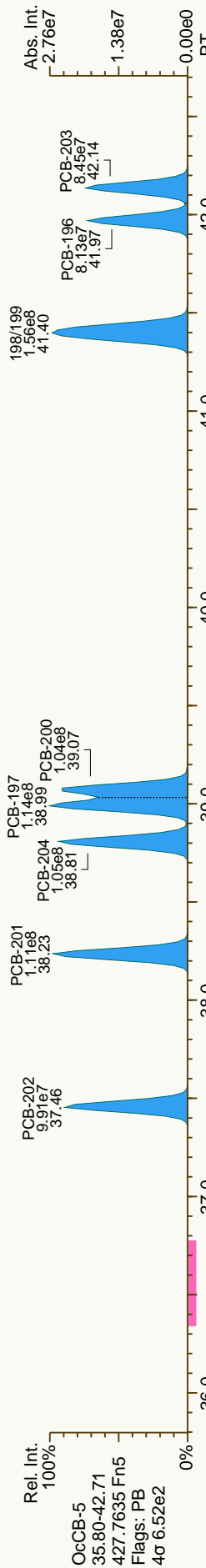


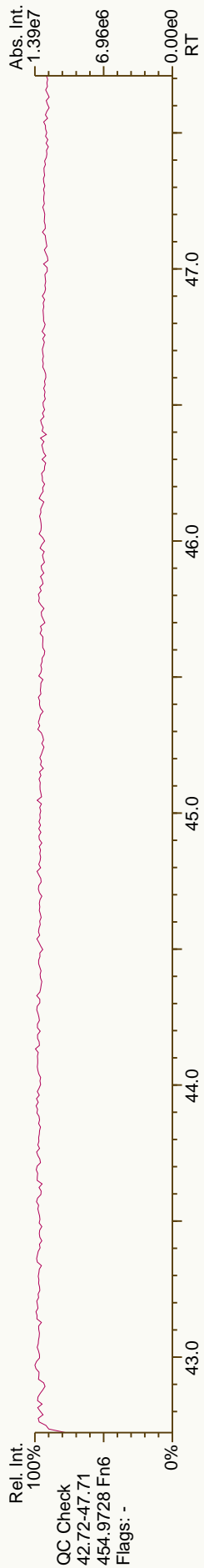
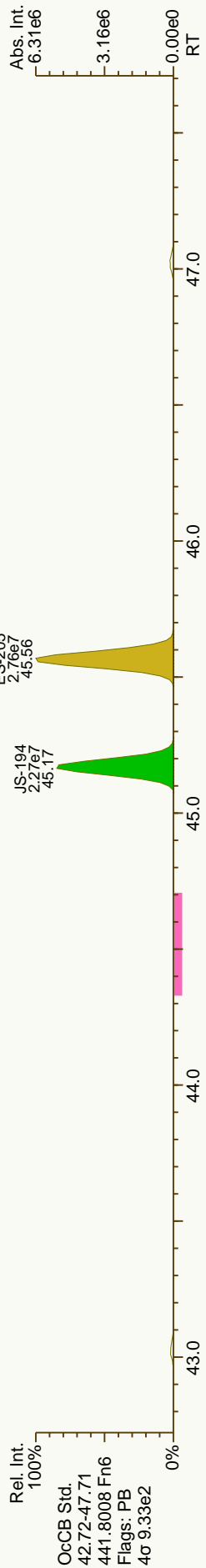
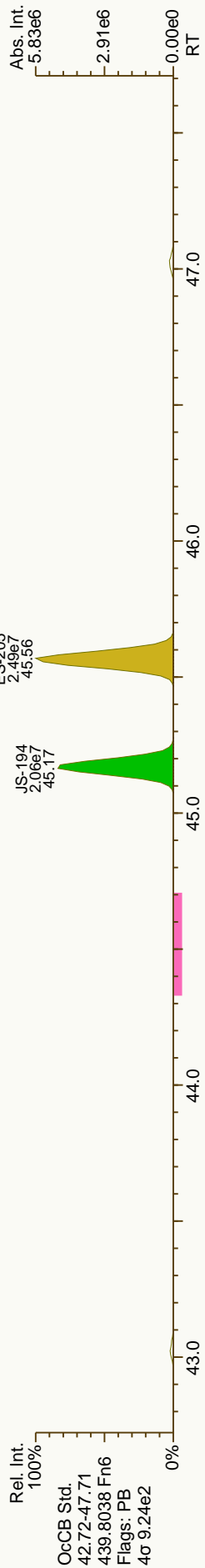
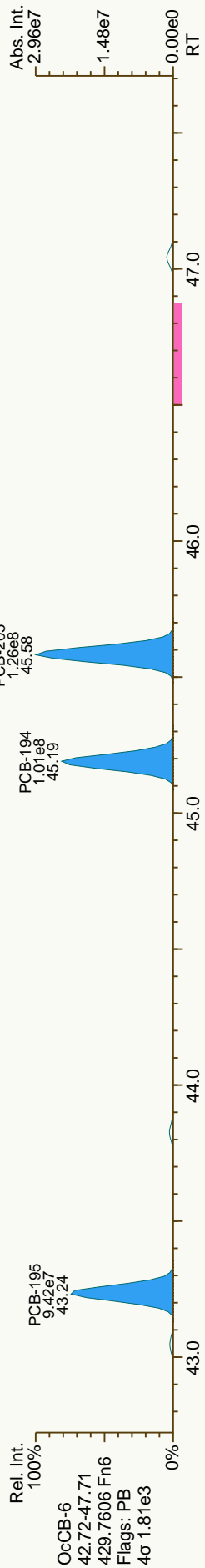
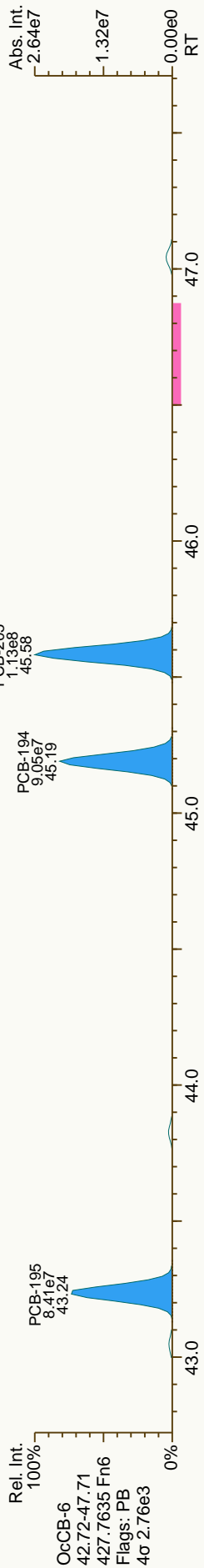


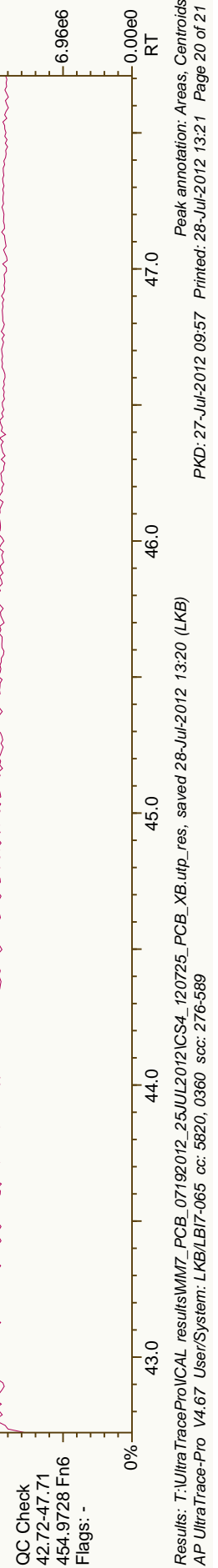
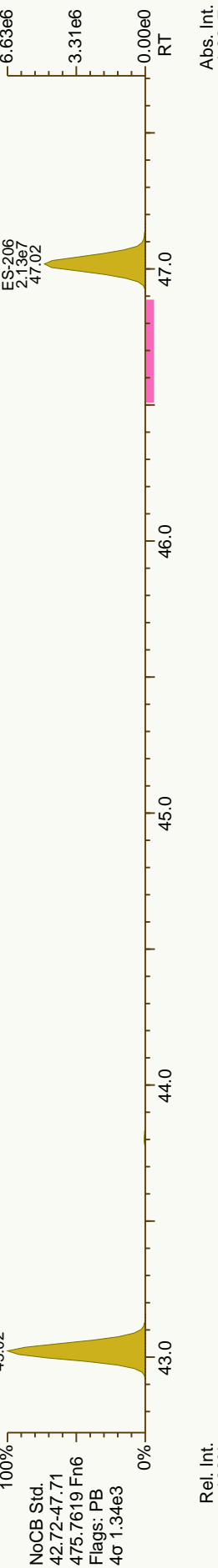
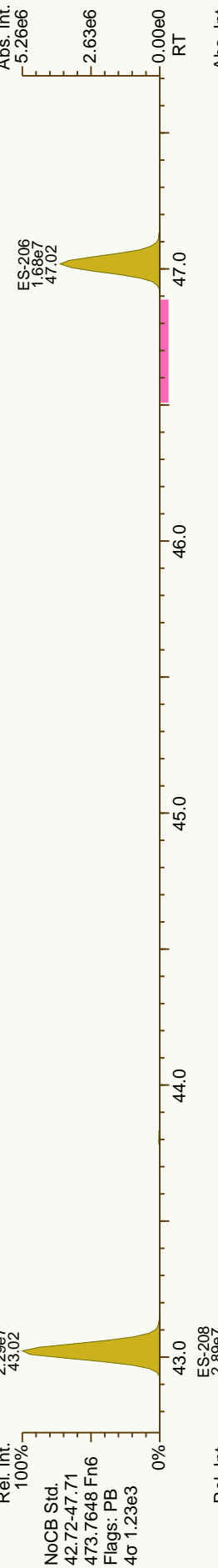
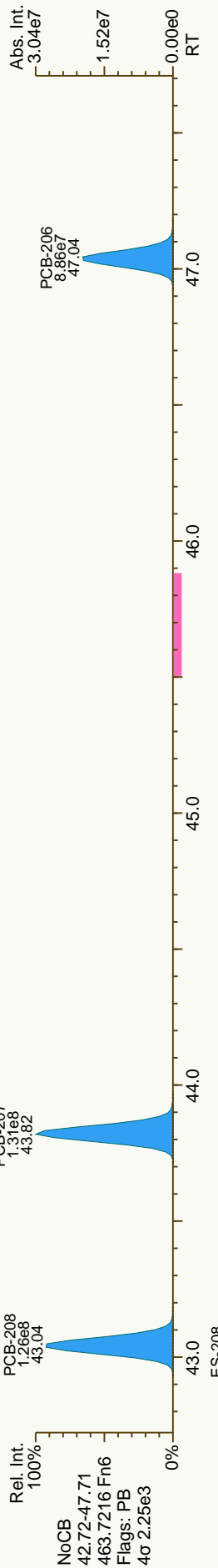
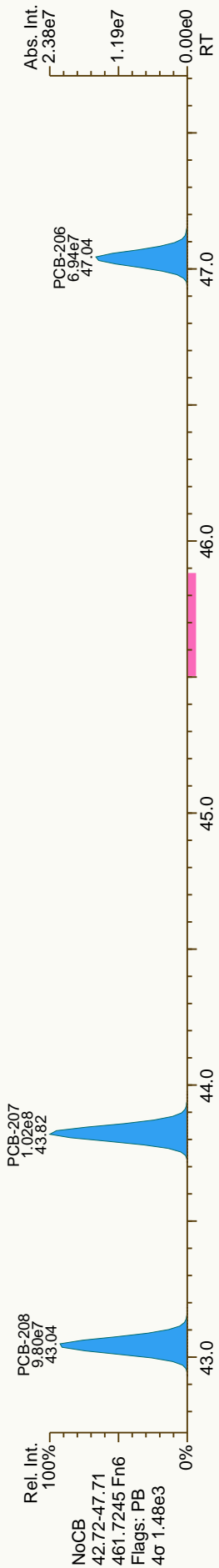


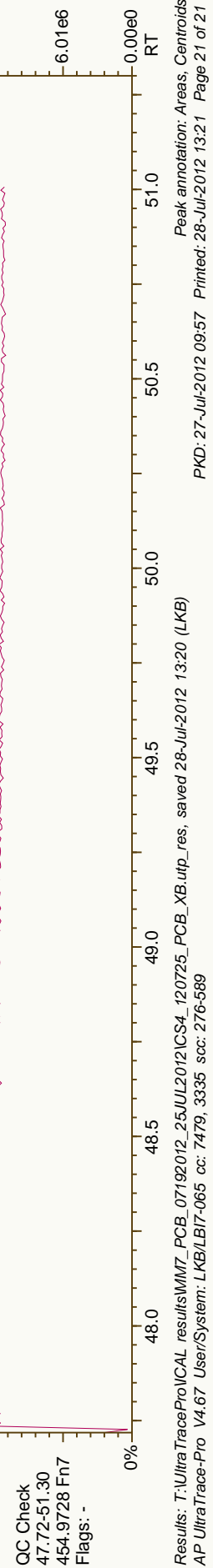
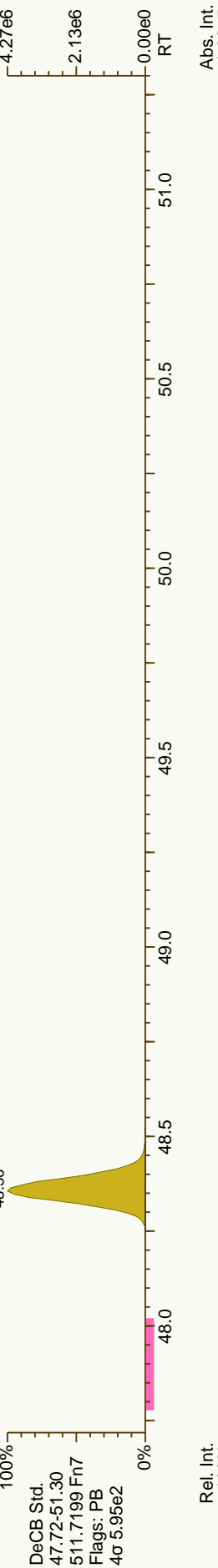
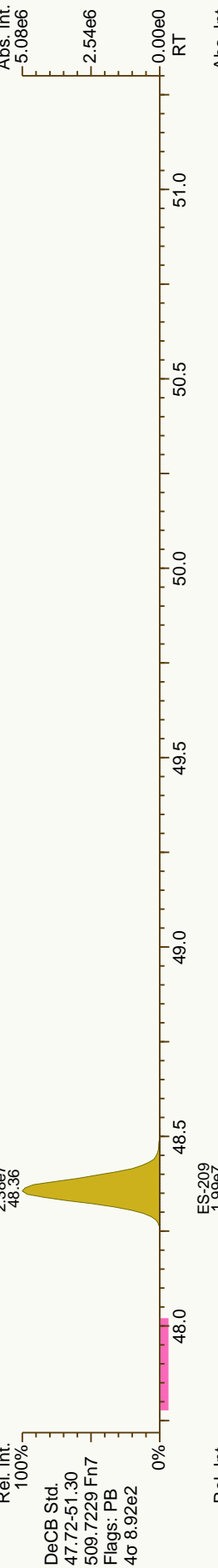
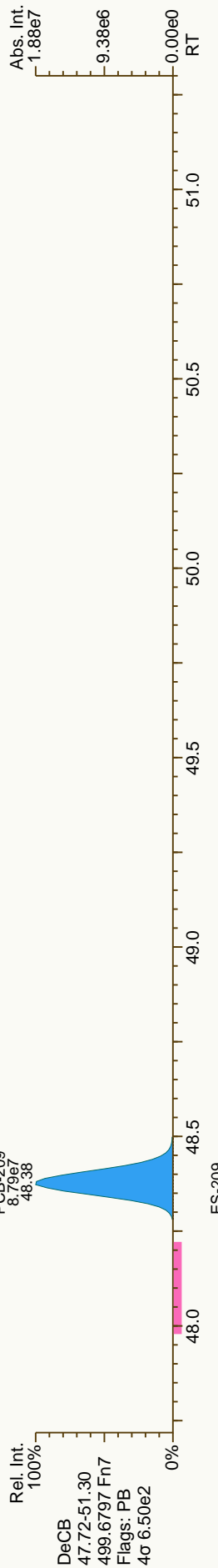
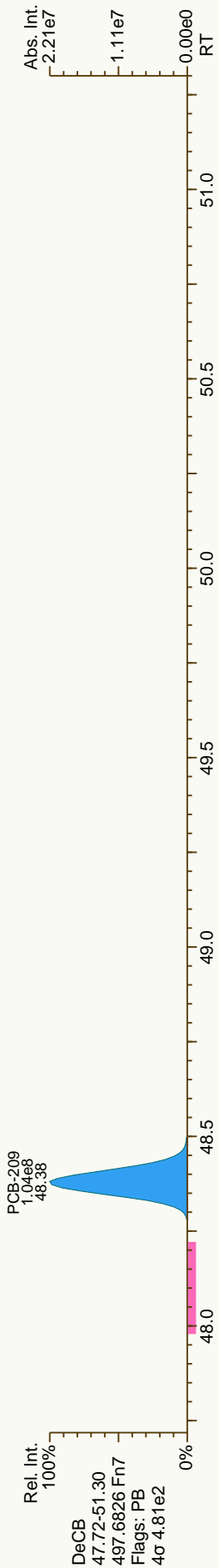












PCB QC Summary **SGS Analytical Perspectives** **Printed: 28-Jul-2012 10:15**

CS5_120725_PCB_XB
26-JUL-2012 07:26
120725X20
ICAL: MM7_PCB_07132012_25JUL12

Lab ID:
Acquired:
Datafile:

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	30.54	2.29E+09	0.79 Y	1.13	1.18	3.9%
PCB-81 344'5'-TeCB	30.07	2.20E+09	0.79 Y	1.13	1.18	4.6%
PCB-105 233'44'-PeCB	33.48	1.80E+09	0.63 Y	1.09	1.13	3.0%
PCB-114 2344'5'-PeCB	32.95	1.90E+09	0.63 Y	1.16	1.20	3.1%
PCB-118 23'44'5'-PeCB	32.51	1.86E+09	0.63 Y	1.11	1.12	1.3%
PCB-123 2'344'5'-PeCB	32.23	1.94E+09	0.63 Y	1.19	1.23	3.4%
PCB-126 33'44'5'-PeCB	36.08	1.76E+09	0.63 Y	1.06	1.12	5.8%
PCB-156/157 233'44'5'/233'44'5'	38.60	3.47E+09	1.25 Y	1.11	1.12	1.0%
PCB-167 23'44'55'-HxCB	37.65	1.84E+09	1.25 Y	1.14	1.17	2.8%
PCB-169 33'44'55'-HxCB	41.31	1.70E+09	1.26 Y	1.11	1.14	2.7%
PCB-189 233'44'55'-HpCB	43.42	1.56E+09	1.05 Y	1.06	1.10	3.7%
PCB-209 DeCB	48.37	9.96E+08	1.18 Y	1.07	1.07	-0.3%
ES PCB-1	10.63	1.48E+08	3.19 Y	1.08	1.09	0.9%
ES PCB-3	12.69	1.49E+08	3.21 Y	1.08	1.10	1.4%
ES PCB-4	12.91	6.61E+07	1.61 Y	0.49	0.49	-0.3%
ES PCB-15	18.23	1.52E+08	1.59 Y	1.11	1.12	0.7%
ES PCB-19	15.75	7.38E+07	1.06 Y	0.55	0.54	-1.9%
ES PCB-37	24.32	1.21E+08	1.07 Y	1.64	1.67	2.1%
ES PCB-54	18.48	6.74E+07	0.79 Y	0.94	0.93	-0.9%
ES PCB-77	30.52	9.71E+07	0.79 Y	1.35	1.34	-0.3%
ES PCB-81	30.05	9.32E+07	0.80 Y	1.29	1.29	0.1%
ES PCB-104	23.28	6.50E+07	1.56 Y	0.99	1.00	0.7%
ES PCB-105	33.46	7.99E+07	1.59 Y	1.23	1.23	-0.3%
ES PCB-114	32.93	7.95E+07	1.59 Y	1.25	1.22	-2.0%
ES PCB-118	32.48	8.30E+07	1.62 Y	1.28	1.28	-0.3%
ES PCB-123	32.21	7.90E+07	1.59 Y	1.22	1.22	-0.2%
ES PCB-126	36.06	7.84E+07	1.58 Y	1.20	1.21	0.6%
ES PCB-153	34.06	6.01E+07	1.25 Y	1.14	1.15	0.4%
ES PCB-155	28.13	7.88E+07	1.27 Y	1.50	1.50	0.4%
ES PCB-156/157	38.58	1.55E+08	1.29 Y	1.45	1.48	1.5%
ES PCB-167	37.62	7.86E+07	1.28 Y	1.49	1.50	0.3%
ES PCB-169	41.29	7.46E+07	1.27 Y	1.40	1.42	1.2%
ES PCB-170	40.79	4.67E+07	1.05 Y	1.00	1.00	-0.2%
ES PCB-180	39.75	5.51E+07	1.05 Y	1.16	1.18	1.8%
ES PCB-188	32.93	6.18E+07	1.06 Y	1.18	1.18	0.0%
ES PCB-189	43.40	7.11E+07	1.04 Y	1.49	1.52	2.3%
ES PCB-202	37.43	5.96E+07	0.89 Y	1.14	1.14	0.0%
ES PCB-205	45.55	5.70E+07	0.90 Y	1.20	1.22	1.4%
ES PCB-206	47.01	4.08E+07	0.78 Y	0.87	0.87	0.4%
ES PCB-208	43.01	5.57E+07	0.79 Y	1.19	1.19	0.2%
ES PCB-209	48.35	4.66E+07	1.18 Y	1.00	1.00	-0.5%

PCB QC Summary **SGS Analytical Perspectives** **Printed: 28-Jul-2012 10:15**

Lab ID: Cs5_120725_PCB_XB ICAL: MM7_PCB_07132012_25JUL12
 Acquired: 26-JUL-2012 07:26
 Datafile: 120725X20

Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	20.88	1.28E+08	1.06 Y	1.07	1.06	-1.3%
SS PCB-111	30.57	8.01E+07	1.60 Y	1.01	1.01	0.8%
SS PCB-178	35.48	3.91E+07	1.07 Y	0.63	0.63	0.7%
CS PCB-28	20.88	1.28E+08	1.06 Y	1.76	1.77	0.8%
CS PCB-111	30.57	8.01E+07	1.60 Y	1.23	1.23	0.6%
CS PCB-178	35.48	3.91E+07	1.07 Y	0.74	0.74	0.7%
JS PCB-9	14.74	1.36E+08	1.58 Y	-	-	-
JS PCB-52	22.45	7.23E+07	0.79 Y	-	-	-
JS PCB-101	28.30	6.50E+07	1.60 Y	-	-	-
JS PCB-138	35.10	5.25E+07	1.26 Y	-	-	-
JS PCB-194	45.16	4.67E+07	0.91 Y	-	-	-
PCB-1 2-MoCB	10.64	3.25E+09	3.15 Y	1.03	1.10	6.3%
PCB-3 4-MoCB	12.70	3.36E+09	3.20 Y	1.04	1.13	7.8%
PCB-4 22'-DiCB	12.93	1.61E+09	1.59 Y	1.17	1.21	3.8%
PCB-15 44'-DiCB	18.25	3.41E+09	1.58 Y	1.08	1.12	3.7%
PCB-19 22'6'-TrCB	15.77	1.68E+09	1.06 Y	1.09	1.14	4.2%
PCB-37 344'-TrCB	24.34	2.72E+09	1.05 Y	1.10	1.12	1.8%
PCB-54 22'66'-TeCB	18.50	1.69E+09	0.80 Y	1.21	1.25	3.7%
PCB-104 22'466'-PeCB	23.30	1.65E+09	0.63 Y	1.25	1.27	0.9%
PCB-153 22'44'55'-HxCB	34.10	3.01E+09	1.27 Y	1.22	1.25	2.8%
PCB-155 22'44'66'-HxCB	28.15	1.78E+09	1.26 Y	1.09	1.13	3.8%
PCB-170 22'33'44'5'-HpCB	40.81	1.06E+09	1.05 Y	1.07	1.13	5.4%
PCB-180 22'344'55'-HpCB	39.74	2.64E+09	1.05 Y	1.16	1.20	3.4%
PCB-188 22'34'566'-HpCB	32.96	1.33E+09	1.05 Y	1.03	1.07	3.7%
PCB-202 22'33'55'66'-OcCB	37.45	1.12E+09	0.89 Y	0.91	0.94	2.7%
PCB-205 233'44'55'6'-OcCB	45.57	1.28E+09	0.90 Y	1.09	1.12	2.8%
PCB-208 22'33'455'66'-NoCB	43.03	1.18E+09	0.78 Y	1.02	1.06	4.3%
PCB-206 22'33'44'55'6'-NoCB	47.03	8.31E+08	0.78 Y	0.98	1.02	4.2%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:15

Lab ID: CS5_120725_PCB_XB
 Acquired: 26-JUL-2012 07:26
 Datafile: 120725X20

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.64	3.25E+09	3.15 Y	1.03	1.10	6.3%
PCB-2 3-MoCB	12.53	3.38E+09	3.21 Y	1.04	1.13	8.7%
PCB-3 4-MoCB	12.70	3.36E+09	3.20 Y	1.04	1.13	7.8%
PCB-4 22'-DiCB	12.93	1.61E+09	1.59 Y	1.17	1.21	3.8%
PCB-10 26-DiCB	13.09	2.50E+09	1.60 Y	1.83	1.89	3.0%
PCB-9 25-DiCB	14.75	2.87E+09	1.59 Y	0.89	0.95	5.7%
PCB-7 24-DiCB	14.91	3.29E+09	1.58 Y	1.02	1.08	5.6%
PCB-6 23'-DiCB	15.11	3.07E+09	1.59 Y	0.95	1.01	6.6%
PCB-5 23-DiCB	15.39	3.11E+09	1.59 Y	0.97	1.02	5.1%
PCB-8 24'-DiCB	15.51	3.17E+09	1.58 Y	0.98	1.04	5.9%
PCB-14 35-DiCB	16.97	3.71E+09	1.58 Y	1.16	1.22	5.3%
PCB-11 33'-DiCB	17.70	3.26E+09	1.59 Y	1.00	1.07	7.3%
PCB-13/12 34'-/34-DiCB	17.98	6.49E+09	1.58 Y	1.02	1.07	4.9%
PCB-15 44'-DiCB	18.25	3.41E+09	1.58 Y	1.08	1.12	3.7%
PCB-19 22'6'-TrCB	15.77	1.68E+09	1.06 Y	1.09	1.14	4.2%
PCB-30/18 246-/22'5'-TrCB	17.43	4.49E+09	1.06 Y	1.46	1.52	4.0%
PCB-17 22'4'-TrCB	17.81	1.97E+09	1.06 Y	1.25	1.33	6.4%
PCB-27 23'6'-TrCB	17.99	2.58E+09	1.06 Y	1.69	1.75	3.3%
PCB-24 236'-TrCB	18.12	2.57E+09	1.05 Y	1.63	1.74	6.5%
PCB-16 22'3'-TrCB	18.20	1.44E+09	1.06 Y	0.95	0.98	2.5%
PCB-32 24'6'-TrCB	18.66	2.76E+09	1.05 Y	1.79	1.87	4.4%
PCB-34 2'35'-TrCB	19.77	2.61E+09	1.06 Y	1.05	1.08	3.3%
PCB-23 235'-TrCB	19.91	2.65E+09	1.05 Y	1.06	1.10	3.7%
PCB-26/29 23'5'-/24'5'-TrCB	20.19	5.38E+09	1.05 Y	1.09	1.11	2.7%
PCB-25 23'4'-TrCB	20.37	2.67E+09	1.05 Y	1.07	1.10	2.7%
PCB-31 24'5'-TrCB	20.64	2.79E+09	1.05 Y	1.11	1.16	4.0%
PCB-28/20 244'-/233'-TrCB	20.91	5.27E+09	1.06 Y	1.07	1.09	2.2%
PCB-21/33 234'-/2'34'-TrCB	21.08	5.36E+09	1.05 Y	1.09	1.11	1.5%
PCB-22 234'-TrCB	21.44	2.52E+09	1.05 Y	1.02	1.05	2.9%
PCB-36 33'5'-TrCB	22.79	2.80E+09	1.05 Y	1.13	1.16	2.7%
PCB-39 34'5'-TrCB	23.10	2.91E+09	1.05 Y	1.17	1.21	3.5%
PCB-38 345'-TrCB	23.60	2.46E+09	1.06 Y	1.03	1.02	-1.4%
PCB-35 334'-TrCB	23.99	2.58E+09	1.05 Y	1.04	1.07	2.7%
PCB-37 344'-TrCB	24.34	2.72E+09	1.05 Y	1.10	1.12	1.8%
PCB-54 22'66'-TeCB	18.50	1.69E+09	0.80 Y	1.21	1.25	3.7%
PCB-50/53 22'46-/22'56'-TeCB	20.42	3.32E+09	0.79 Y	0.86	0.89	4.0%
PCB-45 22'36'-TeCB	20.97	1.56E+09	0.79 Y	0.73	0.84	15.0%
PCB-51 22'46'-TeCB	21.05	1.57E+09	0.80 Y	0.88	0.84	-3.9%
PCB-46 22'36'-TeCB	21.24	1.36E+09	0.79 Y	0.70	0.73	4.8%
PCB-52 22'55'-TeCB	22.47	1.62E+09	0.79 Y	0.84	0.87	3.4%
PCB-73 23'5'6TeCB	22.60	2.21E+09	0.79 Y	1.09	1.19	8.9%
PCB-43 22'35'-TeCB	22.68	1.35E+09	0.80 Y	0.72	0.72	-0.2%
PCB-69/49 23'46-/22'45'-TeCB	22.88	3.94E+09	0.79 Y	1.01	1.06	4.4%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:15

Lab ID: CS5_120725_PCB_XB
 Acquired: 26-JUL-2012 07:26
 Datafile: 120725X20

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PB-48 22'45'-TeCB	23.15	1.66E+09	0.79 Y	0.85	0.89	4.7%
PB-44/47/65 22'35'-/22'44'-	23.36	5.12E+09	0.79 Y	0.89	0.92	2.9%
PB-59/62/75 23'36'-/23'46'-/24	23.62	6.39E+09	0.79 Y	1.14	1.14	0.4%
PB-42 22'34'-TeCB	23.78	1.52E+09	0.79 Y	0.77	0.82	5.6%
PB-41 22'34'-TeCB	24.10	1.46E+09	0.79 Y	0.73	0.78	7.5%
PB-71/40 23'46'/22'33'-TeCB	24.19	3.26E+09	0.79 Y	0.87	0.88	1.2%
PB-64 23'46'-TeCB	24.39	2.37E+09	0.79 Y	1.24	1.27	2.8%
PB-72 23'55'-TeCB	25.11	2.26E+09	0.79 Y	1.14	1.22	6.3%
PB-68 23'45'-TeCB	25.36	2.42E+09	0.79 Y	1.21	1.30	7.3%
PB-57 23'35'-TeCB	25.72	2.17E+09	0.79 Y	1.11	1.16	5.2%
PB-58 23'35'-TeCB	25.91	2.20E+09	0.79 Y	1.10	1.18	7.3%
PB-67 23'45'-TeCB	26.07	2.24E+09	0.78 Y	1.16	1.20	3.7%
PB-63 23'45'-TeCB	26.29	2.39E+09	0.79 Y	1.22	1.29	5.7%
PB-61/70/74/76 23'45'-/23'4'5	26.57	8.77E+09	0.79 Y	1.13	1.18	4.0%
PB-66 23'44'-TeCB	26.84	2.10E+09	0.79 Y	1.08	1.13	4.8%
PB-55 23'34'-TeCB	26.98	2.15E+09	0.79 Y	1.10	1.16	5.4%
PB-56 23'34'-TeCB	27.40	2.08E+09	0.79 Y	1.06	1.12	5.9%
PB-60 23'44'-TeCB	27.59	2.20E+09	0.79 Y	1.11	1.18	6.1%
PB-80 33'55'-TeCB	27.95	2.47E+09	0.79 Y	1.25	1.33	5.8%
PB-79 33'45'-TeCB	29.23	2.35E+09	0.79 Y	1.23	1.26	2.3%
PB-78 33'45'-TeCB	29.70	2.10E+09	0.79 Y	1.08	1.13	4.2%
PB-104 22'466'-PeCB	23.30	1.65E+09	0.63 Y	1.25	1.27	0.9%
PB-96 22'366'-PeCB	23.60	1.37E+09	0.63 Y	1.08	1.06	-1.7%
PB-103 22'45'6'-PeCB	25.27	1.50E+09	0.63 Y	0.90	0.95	5.6%
PB-94 22'356'-PeCB	25.45	1.31E+09	0.63 Y	0.78	0.83	6.7%
PB-95 22'35'6'-PeCB	25.82	1.39E+09	0.63 Y	0.83	0.88	6.7%
PB-100/93 22'44'6'-/22'356'-P	26.03	2.74E+09	0.63 Y	0.84	0.87	2.7%
PB-102 22'456'-PeCB	26.13	1.38E+09	0.63 Y	0.90	0.88	-2.7%
PB-98 22'3'46'-PeCB	26.20	1.40E+09	0.64 Y	0.77	0.88	14.2%
PB-88 22'346'-PeCB	26.49	1.21E+09	0.62 Y	0.79	0.77	-3.5%
PB-91 22'34'6'-PeCB	26.56	1.54E+09	0.64 Y	0.88	0.97	10.7%
PB-84 22'33'6'-PeCB	26.74	1.18E+09	0.63 Y	0.71	0.75	5.4%
PB-89 22'346'-PeCB	27.14	1.26E+09	0.63 Y	0.76	0.80	4.8%
PB-121 23'45'6'-PeCB	27.52	1.90E+09	0.63 Y	1.14	1.20	5.1%
PB-92 22'355'-PeCB	27.82	1.33E+09	0.63 Y	0.80	0.84	5.5%
PB-113/90/101 23'35'6'-/22'3	28.30	4.51E+09	0.63 Y	0.93	0.95	1.8%
PB-83 22'335'-PeCB	28.71	1.16E+09	0.63 Y	0.71	0.74	3.2%
PB-99 22'44'5'-PeCB	28.82	1.42E+09	0.63 Y	0.87	0.90	3.2%
PB-112 23'356'-PeCB	28.91	1.87E+09	0.63 Y	1.13	1.19	5.3%
PB-108/119/86/97/125/87 233	29.25	9.01E+09	0.63 Y	0.95	0.95	0.1%
PB-117 23'4'56'-PeCB	29.77	1.53E+09	0.62 Y	1.04	0.97	-6.6%
PB-116/85 23'456'-/22'344'-Pe	29.85	3.33E+09	0.63 Y	0.97	1.05	8.3%
PB-110 23'3'4'6'-PeCB	29.97	1.66E+09	0.63 Y	1.02	1.05	2.9%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:15

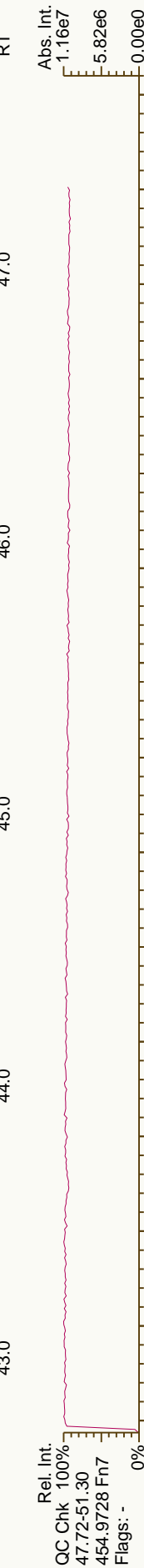
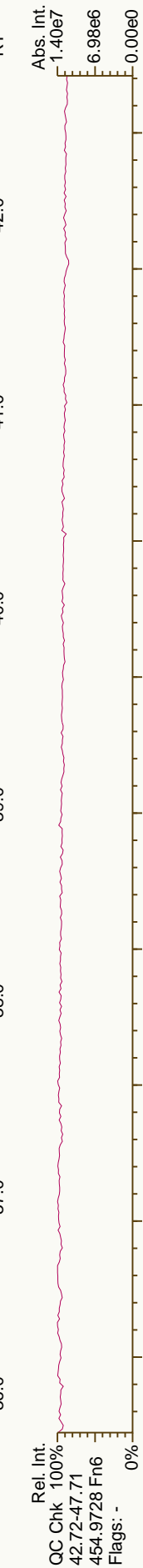
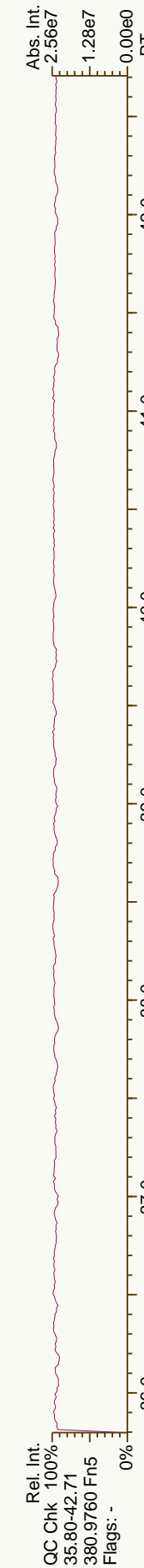
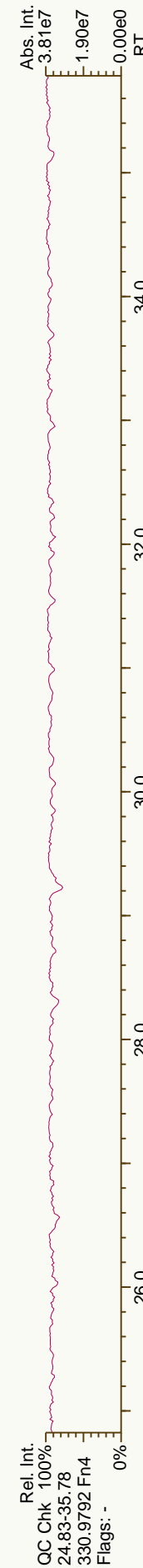
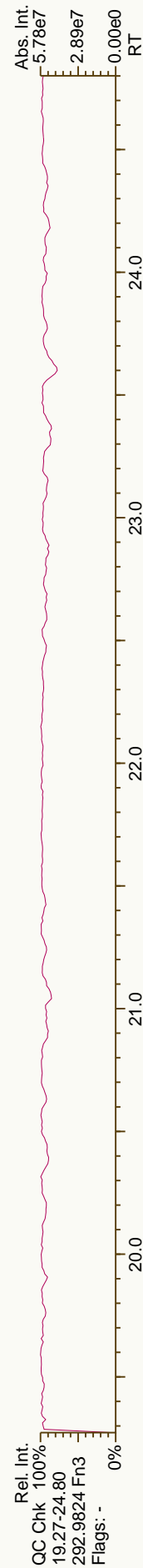
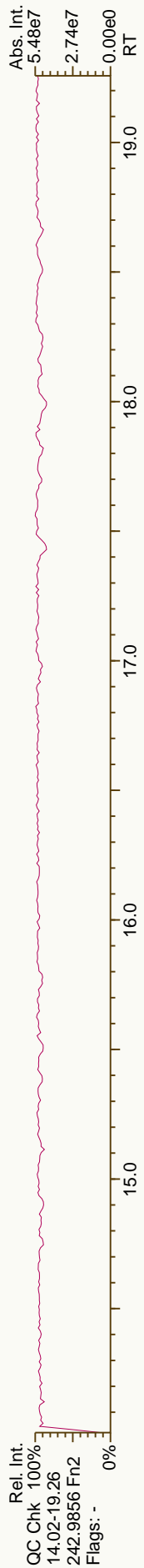
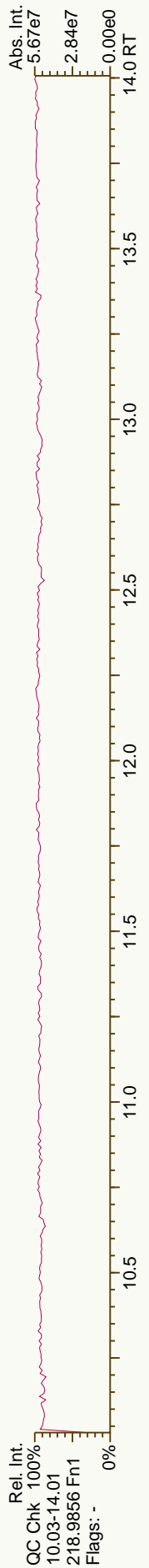
Lab ID: CS5_120725_PCB_XB
 Acquired: 26-JUL-2012 07:26
 Datafile: 120725X20

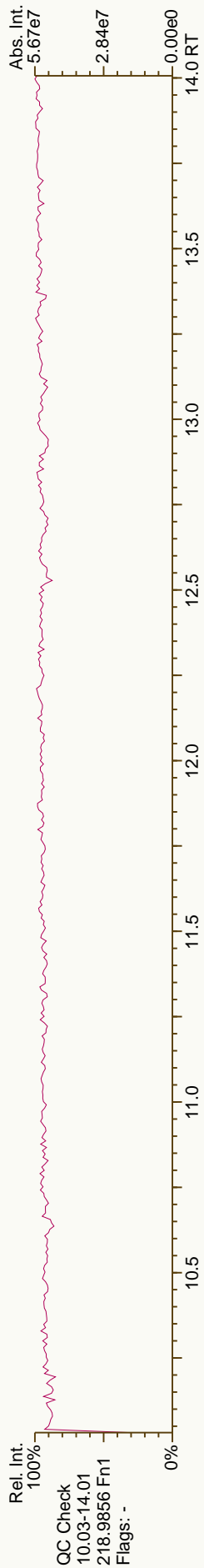
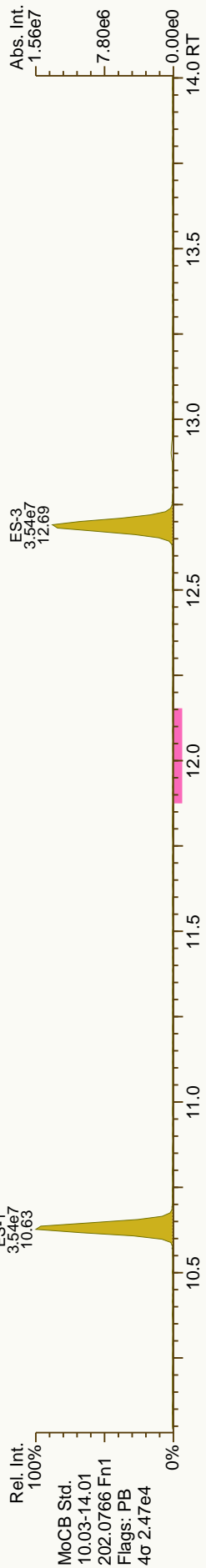
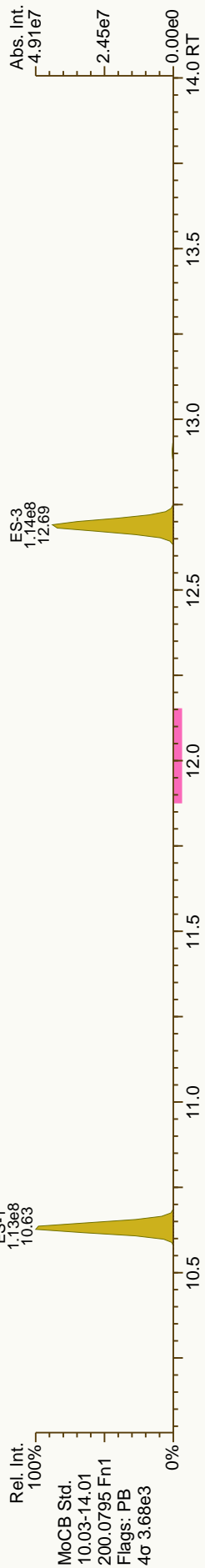
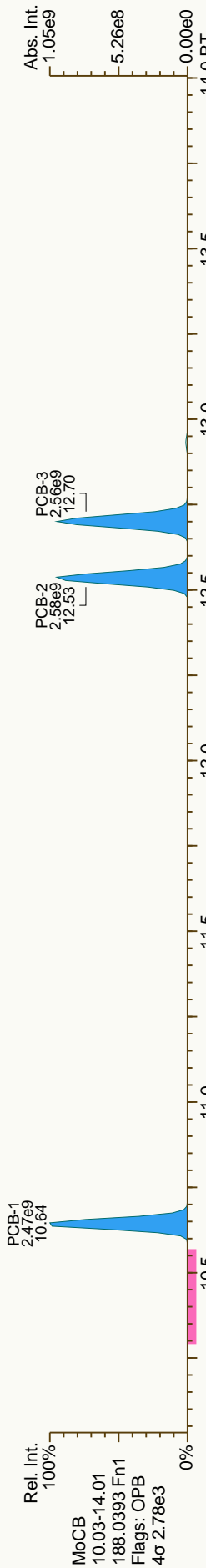
ICAL: MM7_PCB_07132012_25JUL12

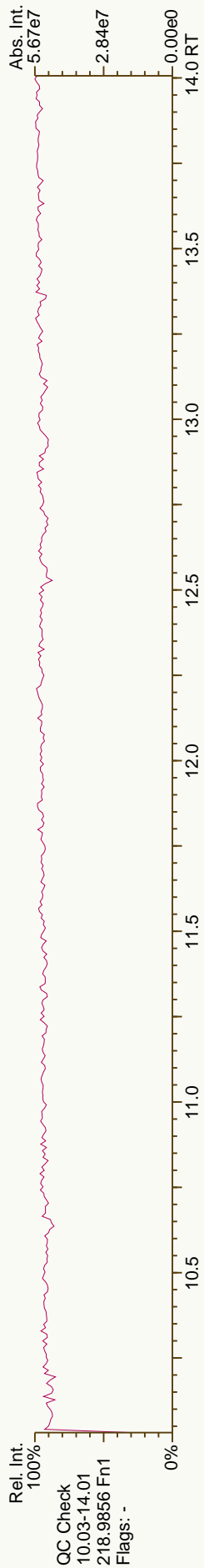
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6'-PeCB	30.06	1.92E+09	0.63 Y	1.16	1.21	4.9%
PCB-82 22'33'4-PeCB	30.24	1.15E+09	0.63 Y	0.69	0.73	5.2%
PCB-111 233'55'-PeCB	30.59	1.92E+09	0.63 Y	1.15	1.22	5.3%
PCB-120 23'455'-PeCB	30.98	1.91E+09	0.63 Y	1.16	1.21	4.0%
PCB-107/124 233'4'5'-/2'3455'	31.92	3.55E+09	0.63 Y	1.07	1.12	4.4%
PCB-109 233'46'-PeCB	32.13	1.89E+09	0.63 Y	1.14	1.20	4.9%
PCB-106 233'45'-PeCB	32.33	1.69E+09	0.63 Y	1.07	1.07	-0.1%
PCB-122 2'33'45'-PeCB	32.78	1.67E+09	0.63 Y	1.00	1.05	5.0%
PCB-127 33'455'-PeCB	34.73	1.81E+09	0.63 Y	1.10	1.13	2.9%
PCB-155 22'44'66'-HxCB	28.15	1.78E+09	1.26 Y	1.09	1.13	3.8%
PCB-152 22'3'566'-HxCB	28.29	1.65E+09	1.27 Y	1.01	1.05	3.5%
PCB-150 22'34'66'-HxCB	28.44	1.69E+09	1.26 Y	1.00	1.07	6.8%
PCB-136 22'33'66'-HxCB	28.72	1.57E+09	1.27 Y	0.95	1.00	4.7%
PCB-145 22'3466'HxCB	28.99	1.61E+09	1.27 Y	0.96	1.02	6.2%
PCB-148 22'34'56'-HxCB	30.27	1.25E+09	1.26 Y	0.97	1.04	7.3%
PCB-151/135 22'355'6'-/22'33'	30.78	2.41E+09	1.27 Y	0.96	1.00	4.3%
PCB-154 22'44'5'6'-HxCB	30.99	1.37E+09	1.26 Y	1.09	1.14	4.6%
PCB-144 22'345'6'-HxCB	31.24	1.25E+09	1.26 Y	0.98	1.04	5.8%
PCB-147/149 22'34'56'-/22'34'	31.54	2.47E+09	1.26 Y	0.99	1.03	4.1%
PCB-134 22'33'56'-HxCB	31.70	9.58E+08	1.26 Y	0.80	0.80	-0.4%
PCB-143 22'3456'-HxCB	31.78	1.24E+09	1.27 Y	0.95	1.03	8.1%
PCB-139/140 22'344'6'-/22'344'	32.05	2.51E+09	1.26 Y	1.00	1.05	4.6%
PCB-131 22'33'46'-HxCB	32.21	1.07E+09	1.27 Y	0.85	0.89	5.0%
PCB-142 22'3456'-HxCB	32.35	1.11E+09	1.27 Y	0.87	0.92	5.5%
PCB-132 22'33'46'-HxCB	32.58	1.12E+09	1.26 Y	0.89	0.93	4.8%
PCB-133 22'33'55'-HxCB	33.02	1.16E+09	1.26 Y	0.91	0.97	5.8%
PCB-165 233'55'6'-HxCB	33.36	1.43E+09	1.26 Y	1.13	1.19	5.3%
PCB-146 22'34'55'-HxCB	33.57	1.29E+09	1.26 Y	1.01	1.07	6.5%
PCB-161 233'45'6'-HxCB	33.68	1.53E+09	1.27 Y	1.25	1.28	1.8%
PCB-153/168 22'44'55'-/23'44'	34.10	3.01E+09	1.27 Y	1.22	1.25	2.8%
PCB-141 22'3455'-HxCB	34.24	1.18E+09	1.27 Y	0.93	0.98	5.6%
PCB-130 22'33'45'-HxCB	34.57	1.05E+09	1.26 Y	0.85	0.88	3.4%
PCB-137 22'344'5'-HxCB	34.77	1.32E+09	1.25 Y	1.04	1.10	5.6%
PCB-164 233'4'5'6'-HxCB	34.86	1.51E+09	1.27 Y	1.22	1.26	2.8%
PCB-163/138/129 233'4'56'-/22'	35.14	3.75E+09	1.27 Y	1.02	1.04	1.7%
PCB-160 233'456'-HxCB	35.27	1.51E+09	1.26 Y	1.21	1.26	4.2%
PCB-158 233'44'6'-HxCB	35.45	1.65E+09	1.26 Y	1.34	1.38	2.9%
PCB-128/166 22'33'44'-/2344'5	36.17	2.93E+09	1.25 Y	0.90	0.93	3.6%
PCB-159 233'455'-HxCB	37.01	1.74E+09	1.25 Y	1.06	1.11	4.2%
PCB-162 233'4'55'-HxCB	37.24	1.76E+09	1.25 Y	1.08	1.12	4.1%
PCB-188 22'34'566'-HpCB	32.96	1.33E+09	1.05 Y	1.03	1.07	3.7%
PCB-179 22'33'566'-HpCB	33.22	1.24E+09	1.05 Y	0.97	1.00	3.4%
PCB-184 22'344'66'-HpCB	33.69	1.20E+09	1.06 Y	0.93	0.97	4.3%

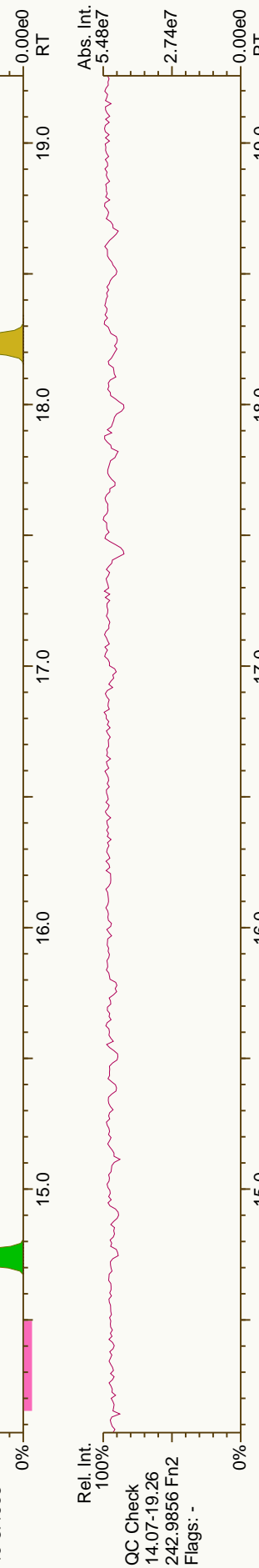
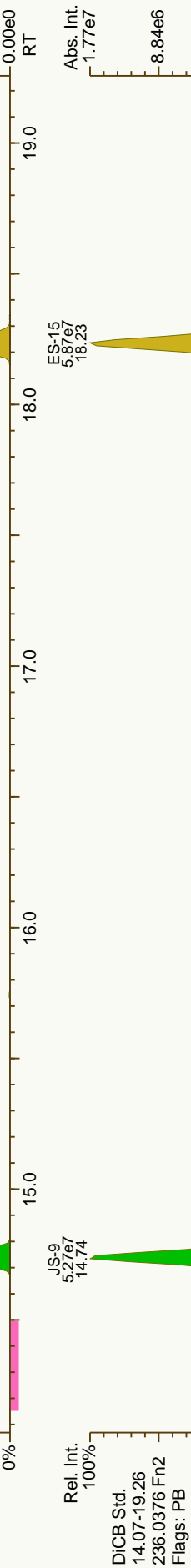
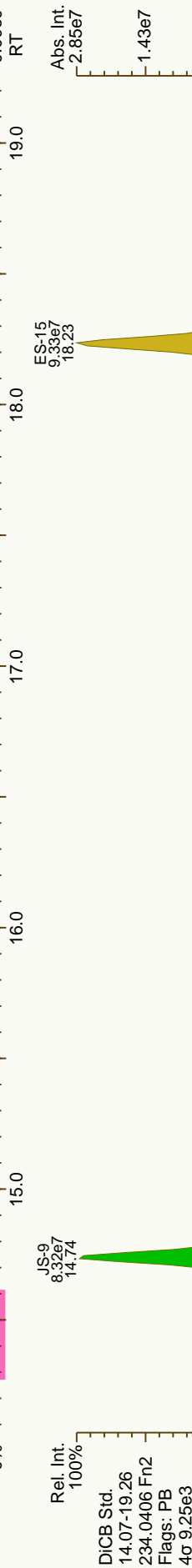
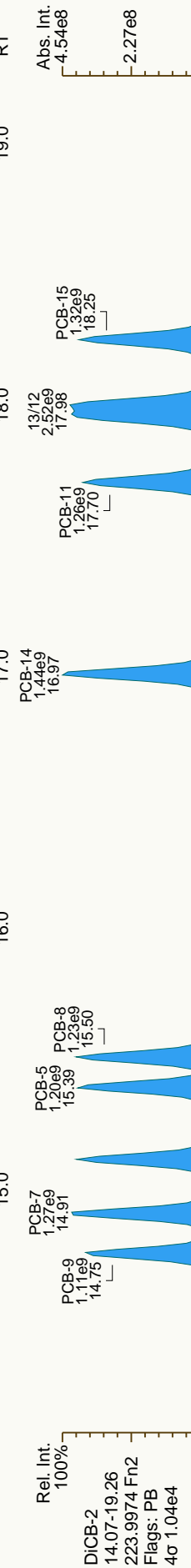
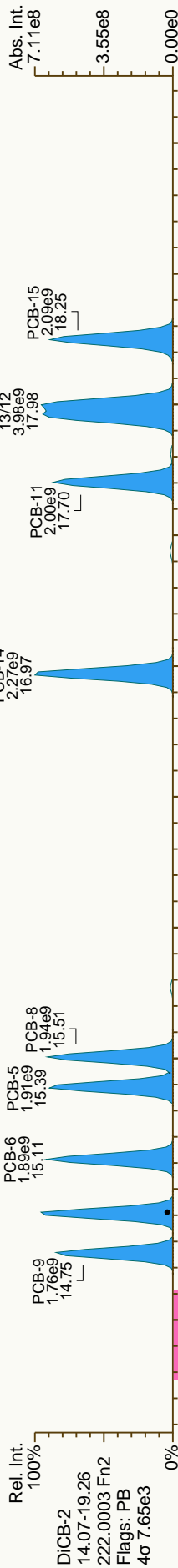
PCB QC Summary - Ax2 Detail

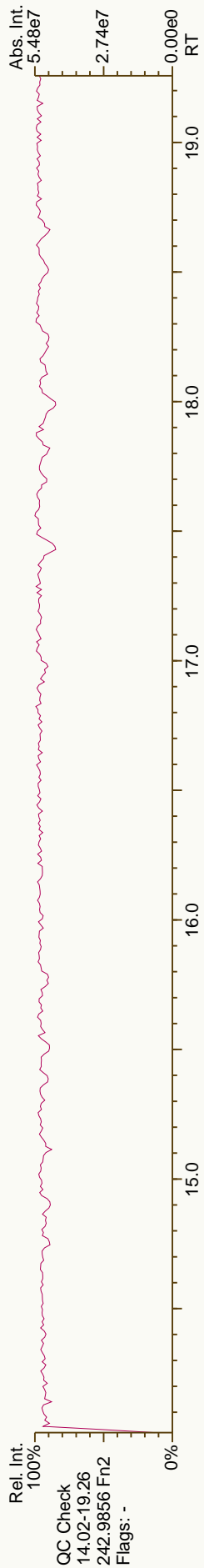
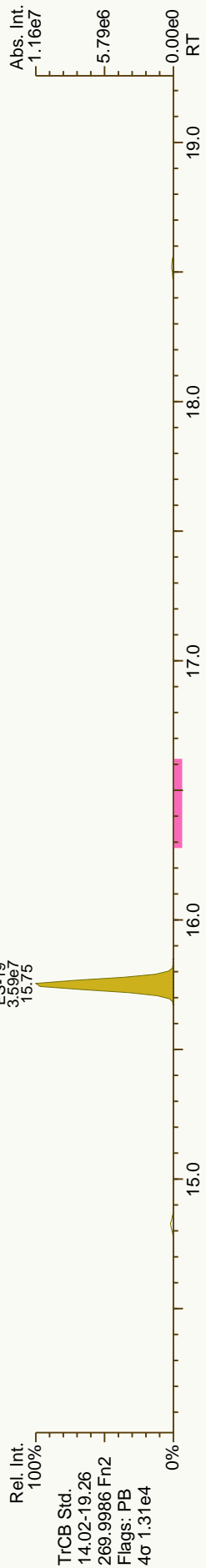
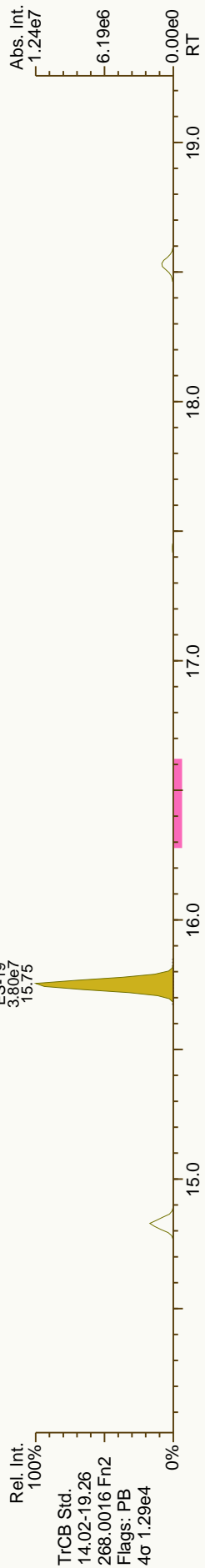
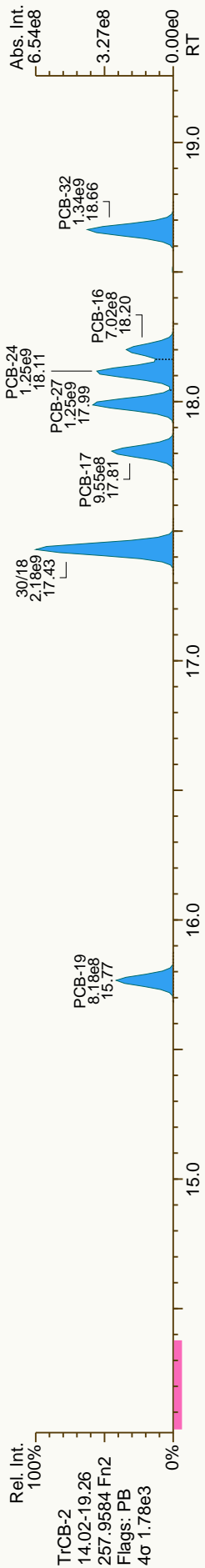
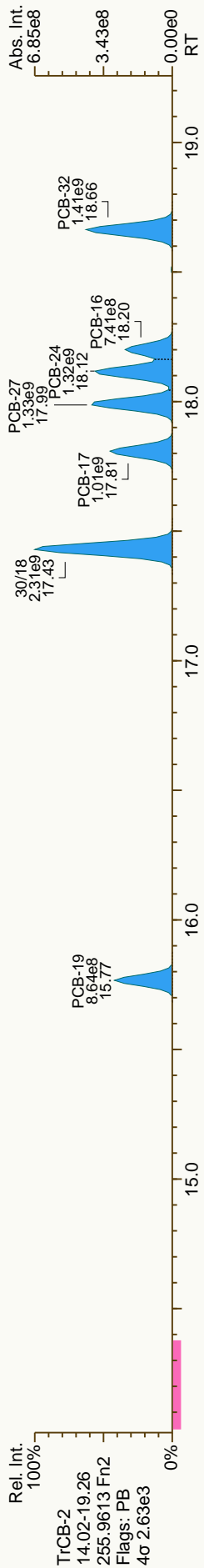
Lab ID:	CS5_120725_PCB_XB	ICAL: MM7_PCB_07132012_25JUL12									
Acquired:	26-JUL-2012 07:26	Name	RT	Response	RA	ICAL	RRF	Dev'n			
Datafile:	120725X20	Name	RT	Response	RA	ICAL	RRF	Dev'n			
PCB-176	22'33'466'-HpCB	33.97	1.35E+09	1.06 Y	1.05	1.09	4.1%				
PCB-186	22'34'566'-HpCB	34.35	1.26E+09	1.05 Y	0.98	1.02	4.2%				
PCB-178	22'33'556'-HpCB	35.50	9.37E+08	1.05 Y	0.74	0.76	3.1%				
PCB-175	22'33'456'-HpCB	36.04	1.18E+09	1.05 Y	1.01	1.07	5.9%				
PCB-187	22'34'556'-HpCB	36.27	1.23E+09	1.05 Y	1.06	1.11	4.9%				
PCB-182	22'344'56'-HpCB	36.44	1.26E+09	1.05 Y	1.11	1.14	3.1%				
PCB-183	22'344'56'-HpCB	36.78	1.30E+09	1.04 Y	1.13	1.18	4.3%				
PCB-185	22'34556'-HpCB	36.86	1.18E+09	1.06 Y	1.02	1.07	5.2%				
PCB-174	22'33'456'-HpCB	36.97	1.06E+09	1.05 Y	0.93	0.96	4.0%				
PCB-177	22'33'456'-HpCB	37.33	1.05E+09	1.05 Y	0.91	0.95	5.0%				
PCB-181	22'344'56'-HpCB	37.68	1.21E+09	1.05 Y	1.06	1.10	3.4%				
PCB-171/173	22'33'44'6'-/22'3	37.85	2.11E+09	1.05 Y	0.93	0.96	3.3%				
PCB-172	22'33'455'-HpCB	39.22	1.08E+09	1.05 Y	0.95	0.98	3.1%				
PCB-192	233'4556'-HpCB	39.46	1.42E+09	1.05 Y	1.24	1.29	4.2%				
PCB-180/193	22'344'55'-/233'	39.74	2.64E+09	1.05 Y	1.16	1.20	3.4%				
PCB-191	233'44'56'-HpCB	40.06	1.47E+09	1.06 Y	1.30	1.34	2.8%				
PCB-170	22'33'44'5'-HpCB	40.81	1.06E+09	1.05 Y	1.07	1.13	5.4%				
PCB-190	233'44'56'-HpCB	41.26	1.44E+09	1.05 Y	1.45	1.54	6.0%				
PCB-202	22'33'55'66'-OcCB	37.45	1.12E+09	0.89 Y	0.91	0.94	2.7%				
PCB-201	22'33'45'66'-OcCB	38.22	1.25E+09	0.90 Y	1.02	1.05	2.5%				
PCB-204	22'344'566'-OcCB	38.79	1.18E+09	0.91 Y	0.98	0.99	1.2%				
PCB-197	22'33'44'66'-OcCB	38.98	1.25E+09	0.90 Y	1.06	1.05	-1.6%				
PCB-200	22'33'4566'-OcCB	39.06	1.23E+09	0.91 Y	0.96	1.03	7.1%				
PCB-198/199	22'33'455'6'-/22'	41.39	1.75E+09	0.90 Y	0.72	0.73	2.3%				
PCB-196	22'33'44'56'-OcCB	41.96	9.05E+08	0.90 Y	0.73	0.76	3.9%				
PCB-203	22'344'556'-OcCB	42.12	9.48E+08	0.90 Y	0.76	0.80	4.1%				
PCB-195	22'33'44'56'-OcCB	43.22	9.53E+08	0.90 Y	0.80	0.84	4.6%				
PCB-194	22'33'44'55'-OcCB	45.18	1.01E+09	0.89 Y	0.87	0.89	1.8%				
PCB-205	233'44'556'-OcCB	45.57	1.28E+09	0.90 Y	1.09	1.12	2.8%				
PCB-208	22'33'455'66'-NoCB	43.03	1.18E+09	0.78 Y	1.02	1.06	4.3%				
PCB-207	22'33'44'566'-NoCB	43.81	1.22E+09	0.78 Y	1.06	1.10	3.8%				
PCB-206	22'33'44'556'-NoCB	47.03	8.31E+08	0.78 Y	0.98	1.02	4.2%				

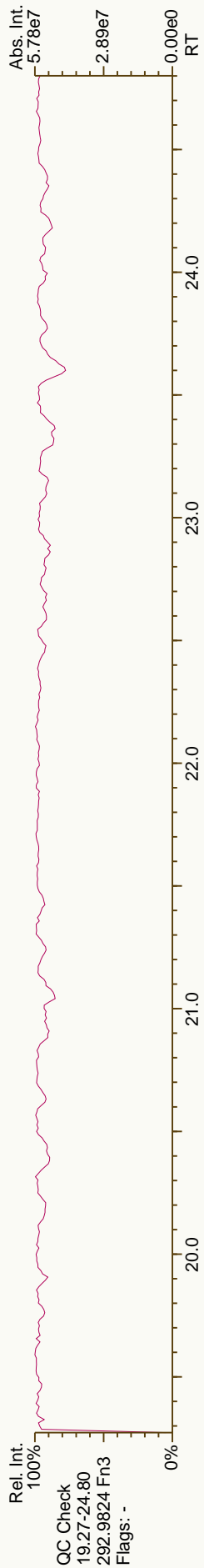
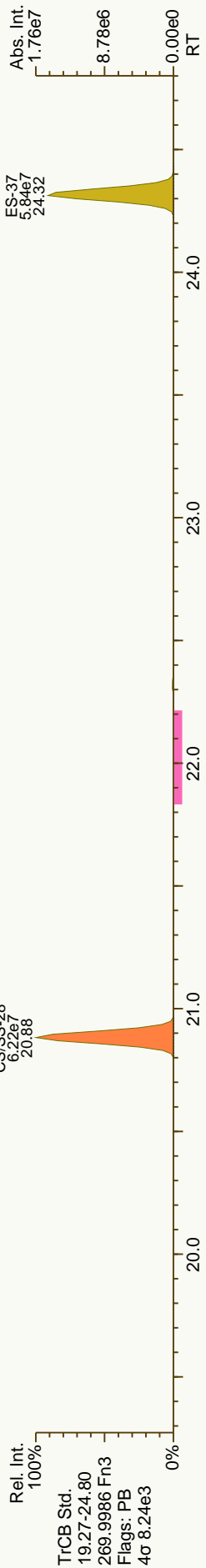
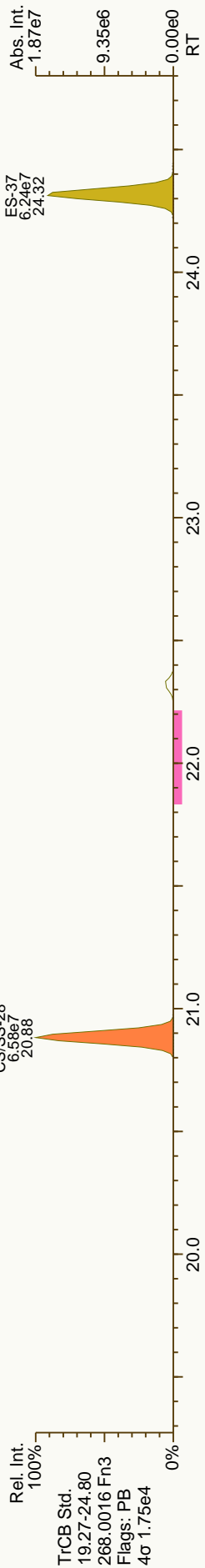
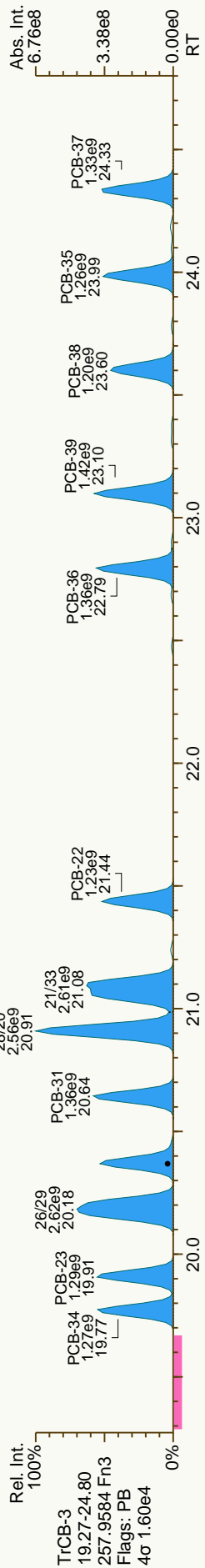
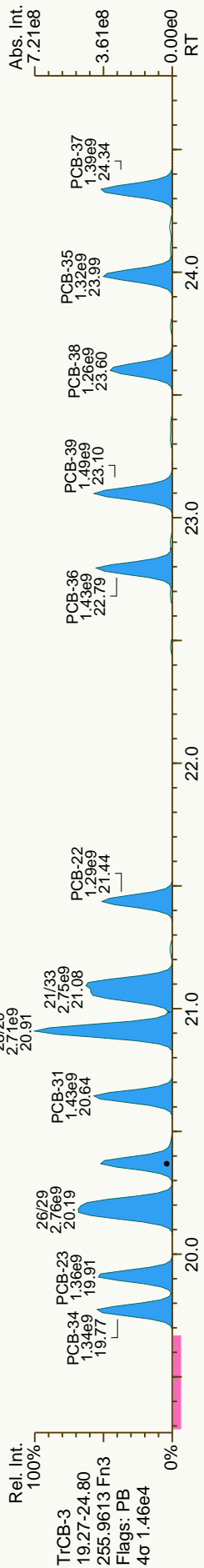


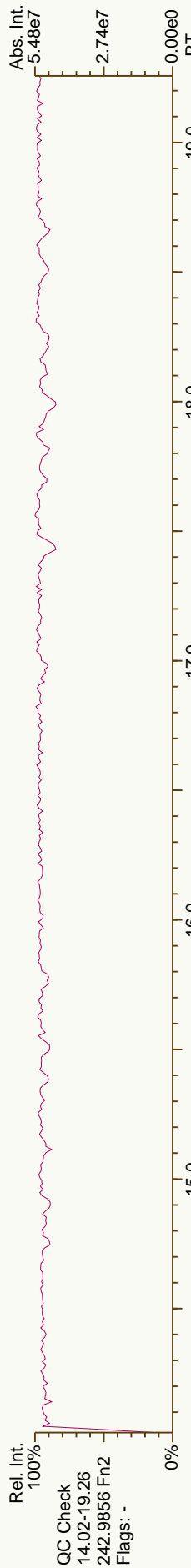
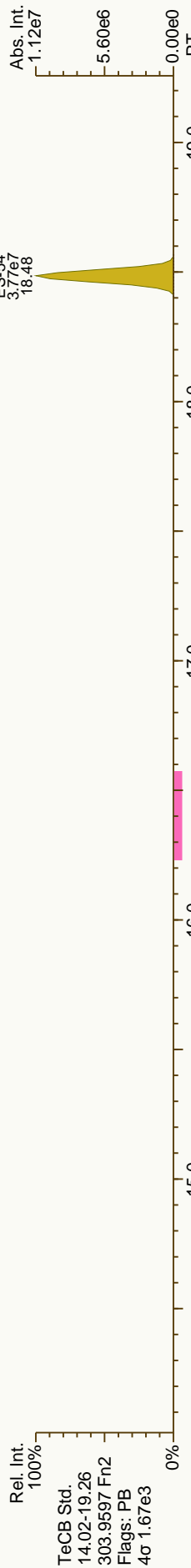
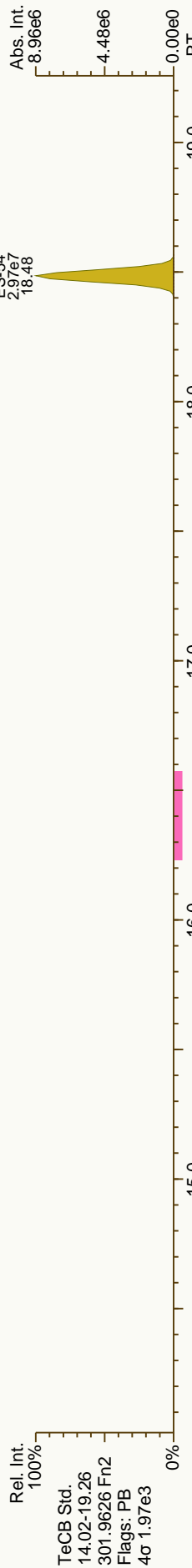
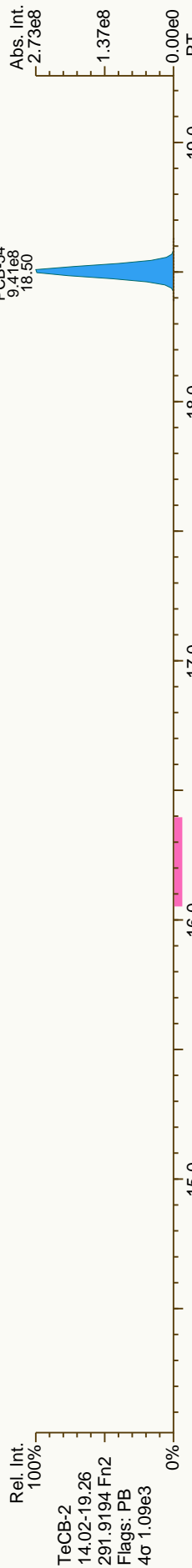
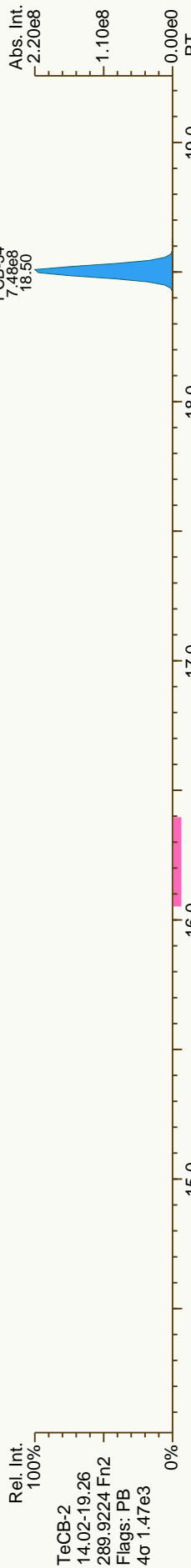


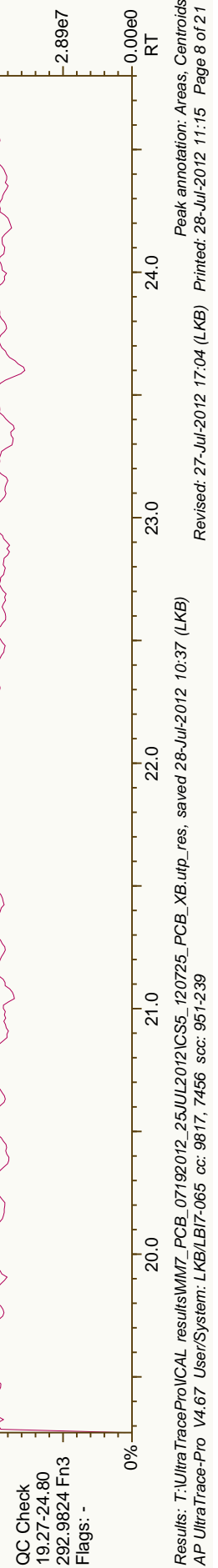
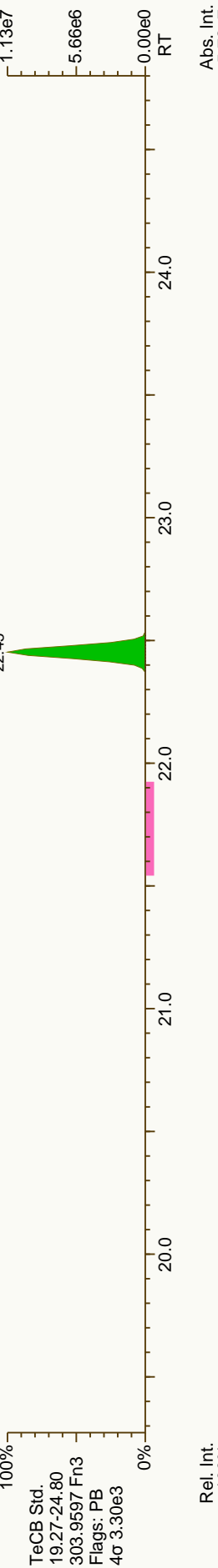
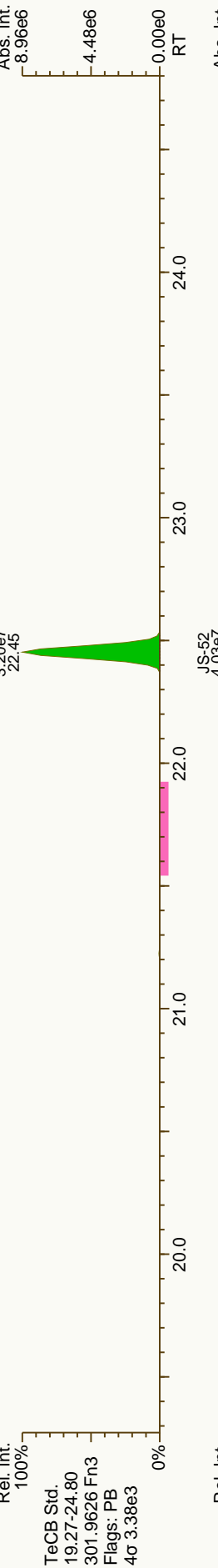
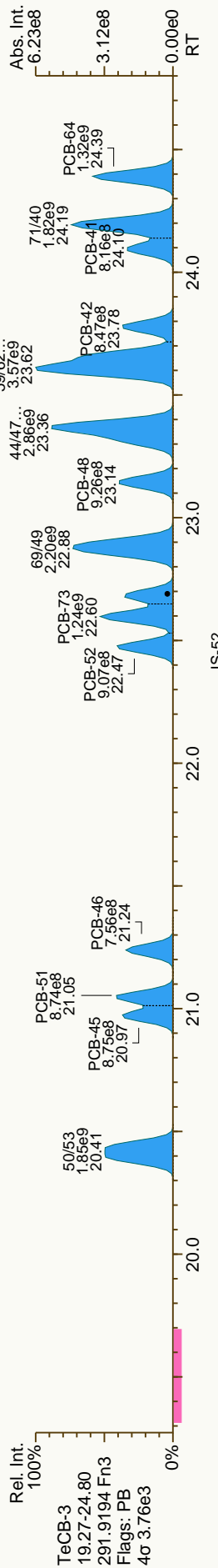
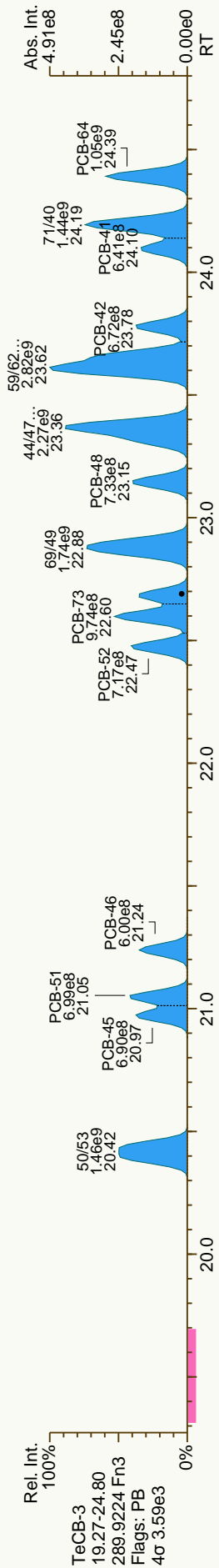


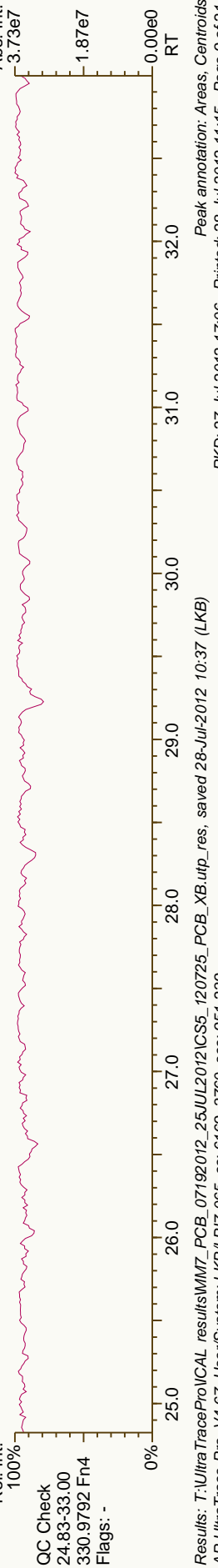
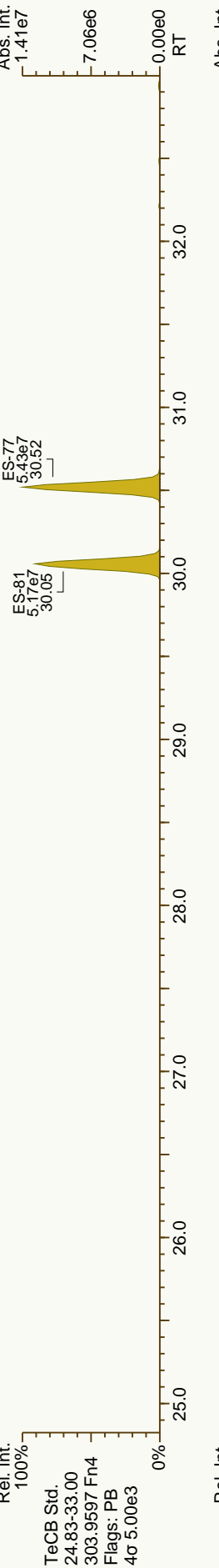
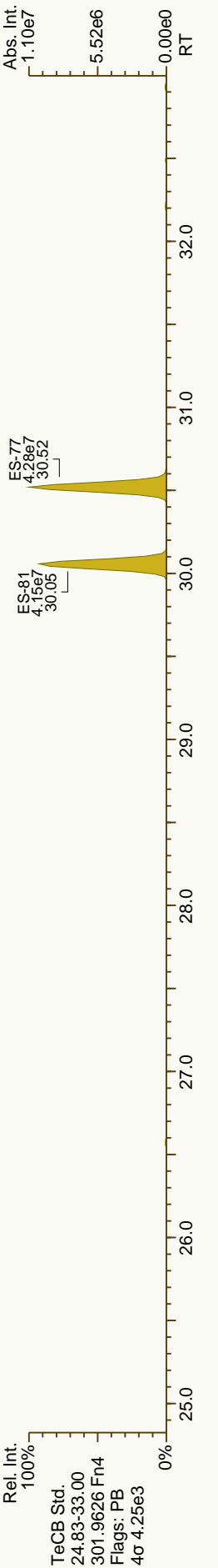
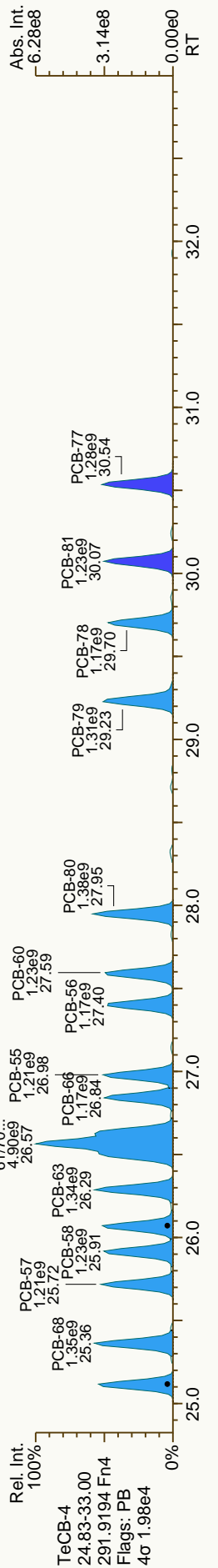
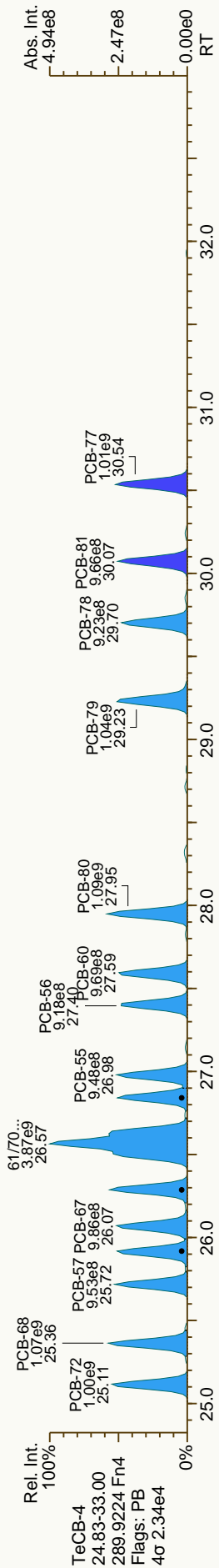


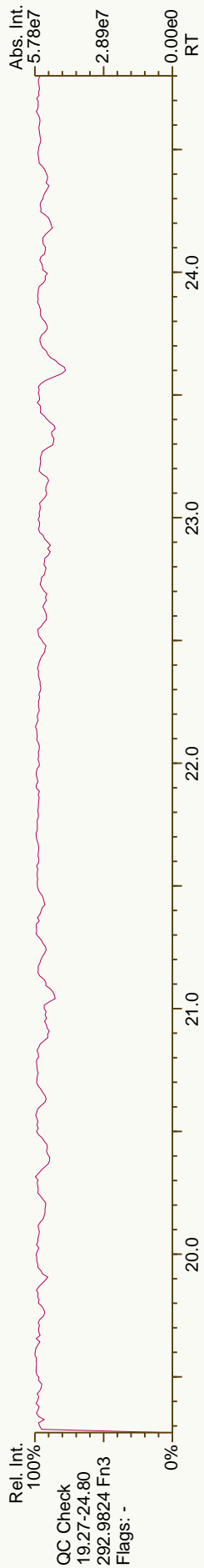
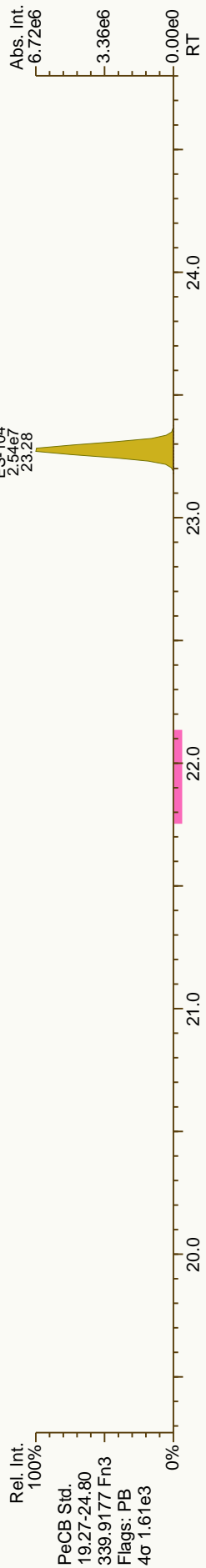
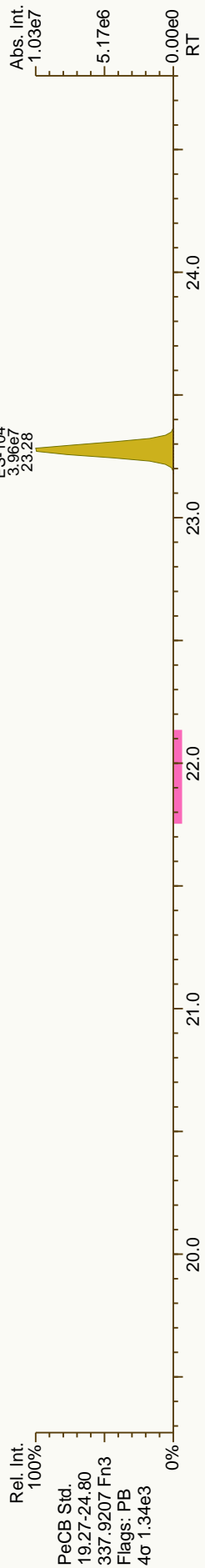
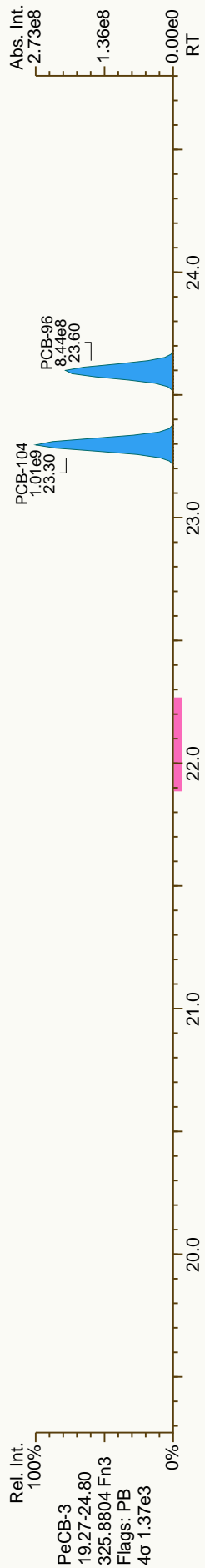
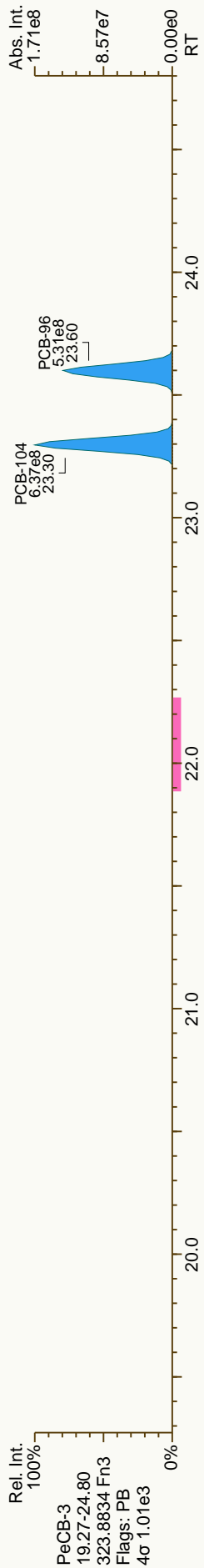


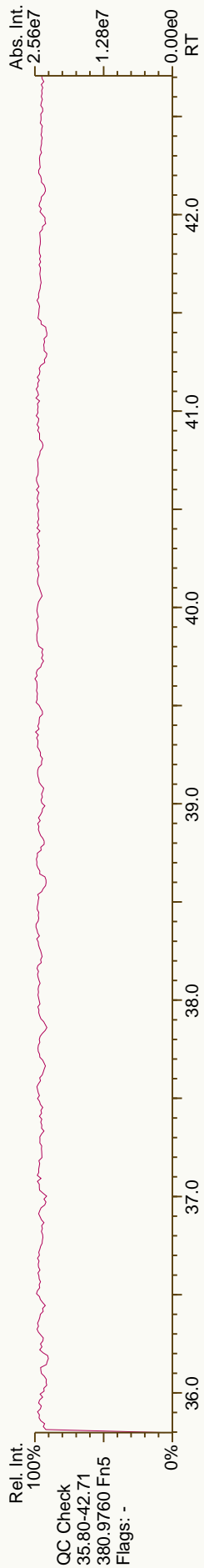
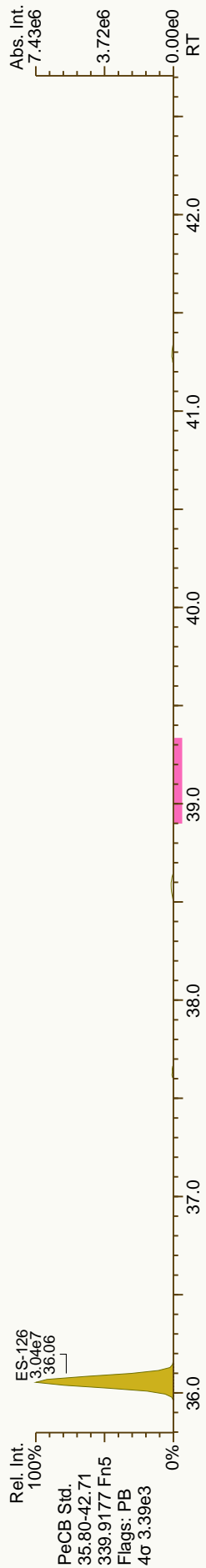
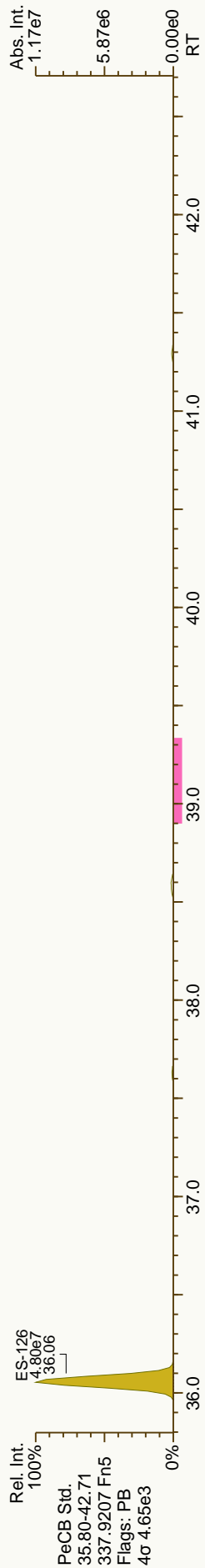
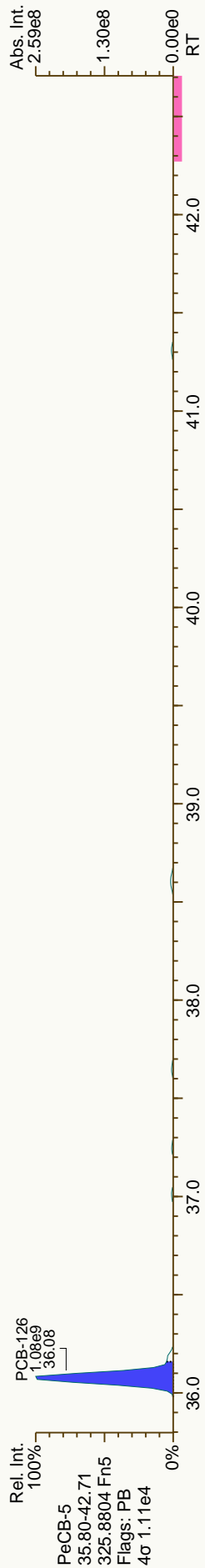
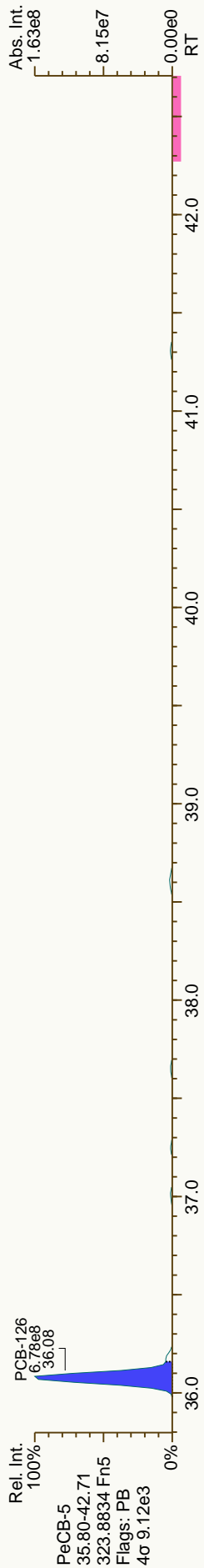


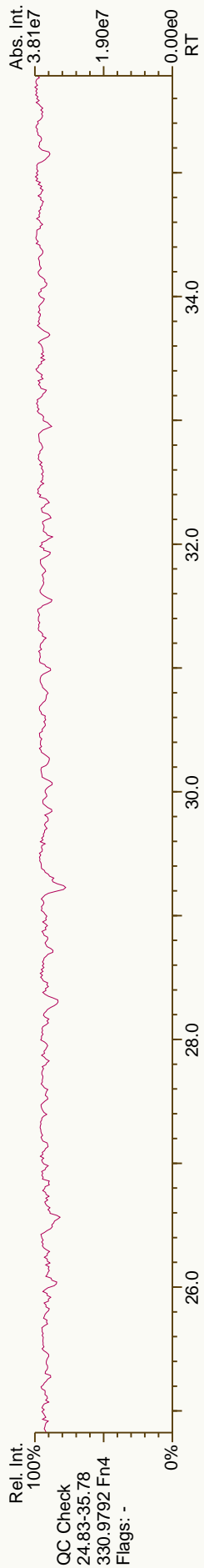
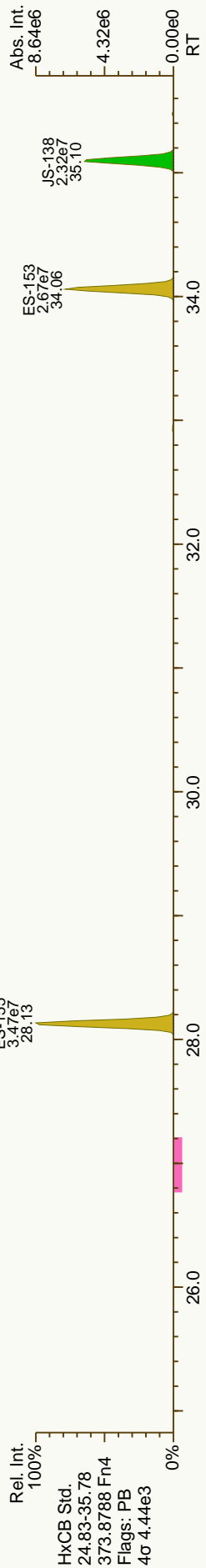
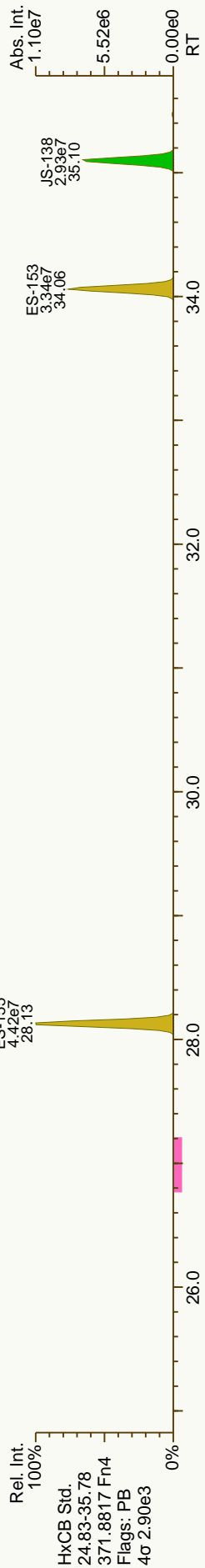
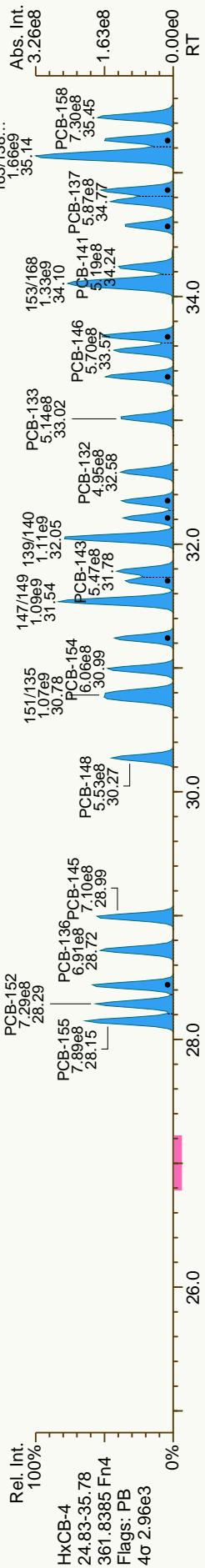
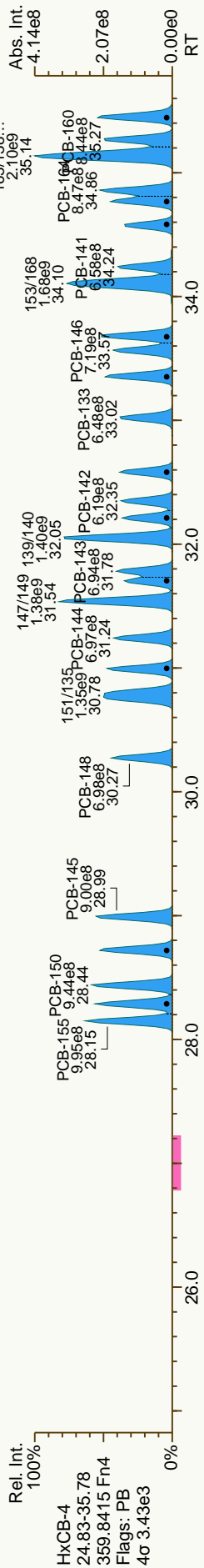


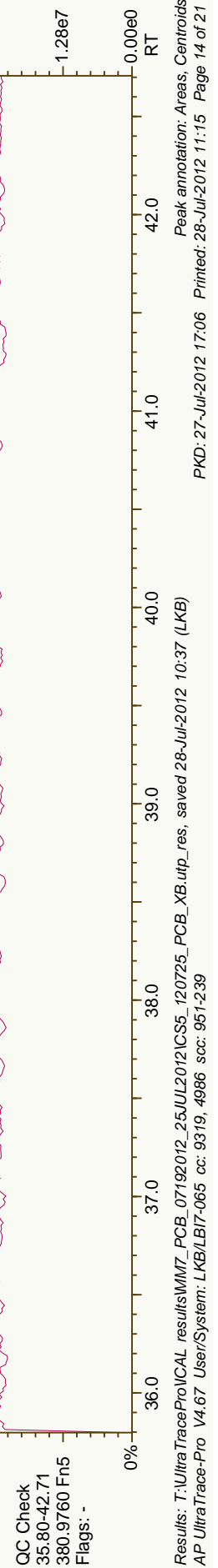
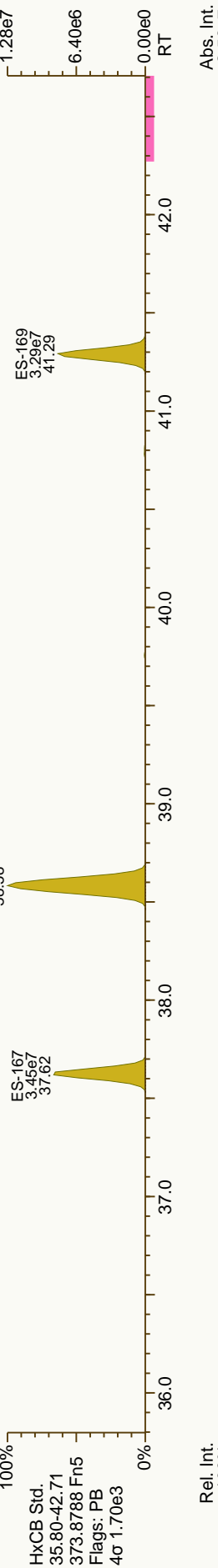
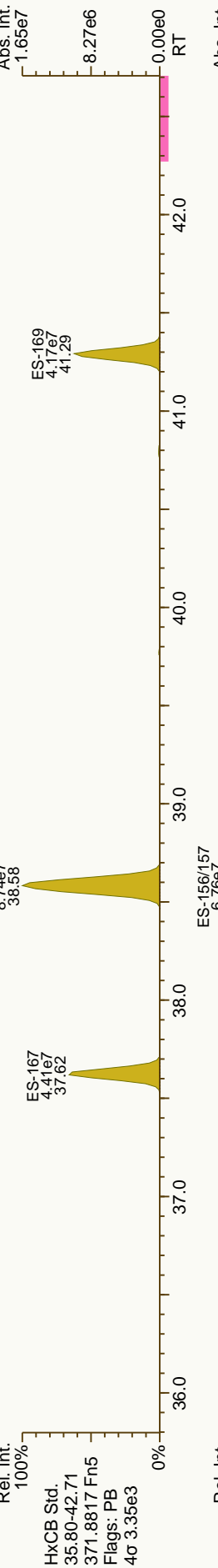
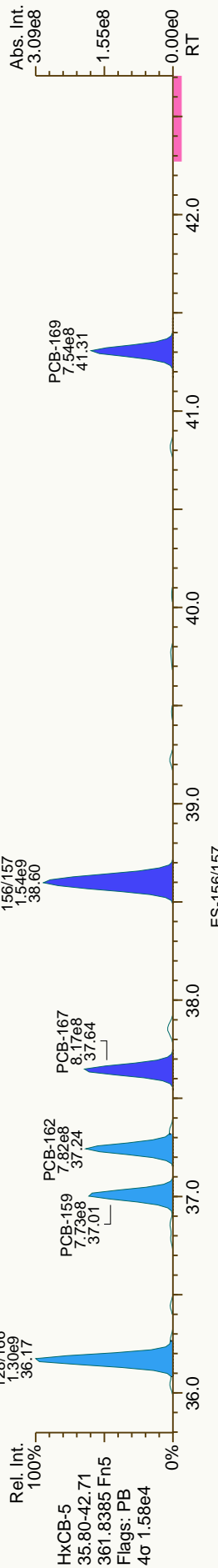
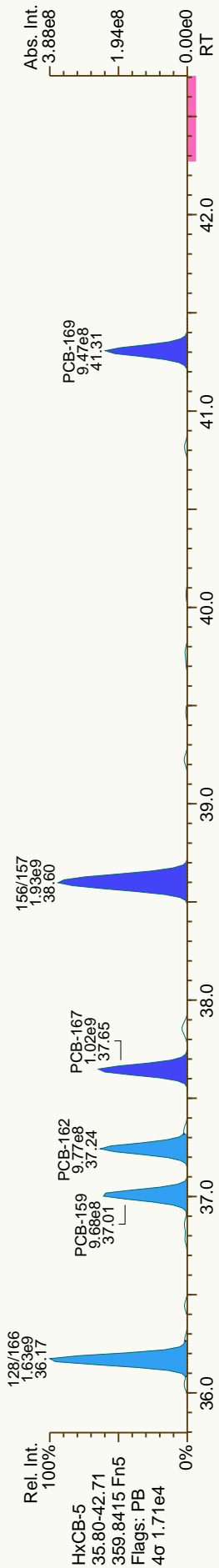


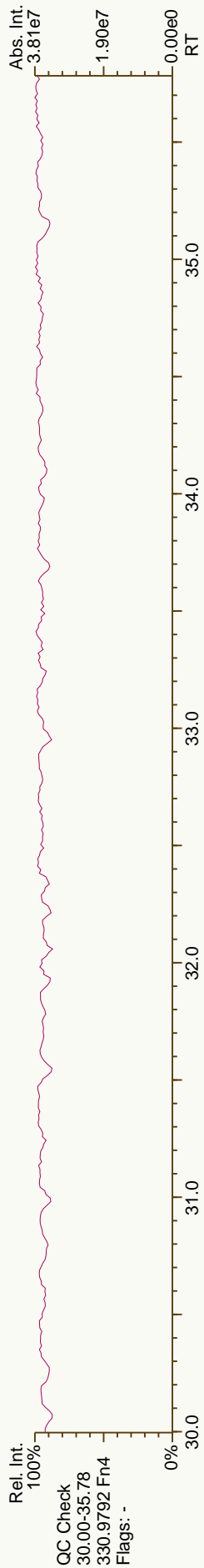
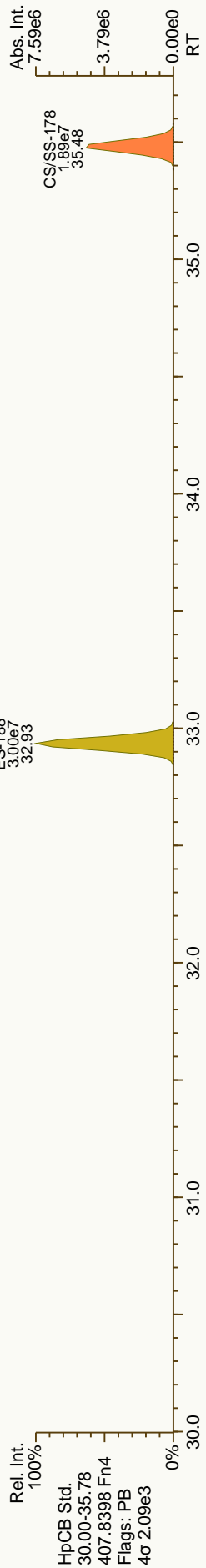
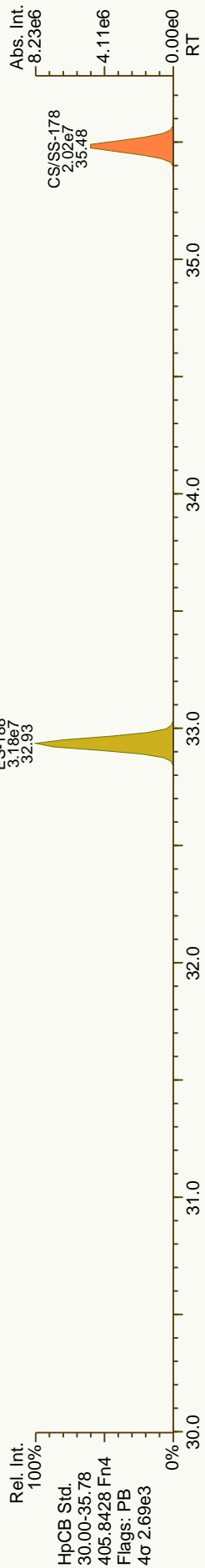
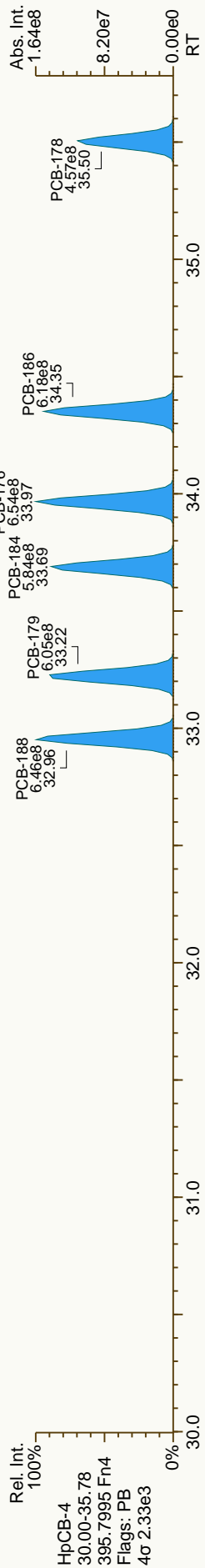
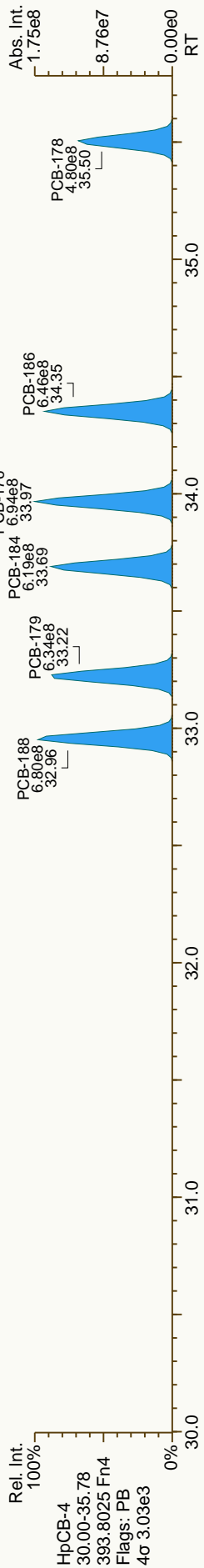


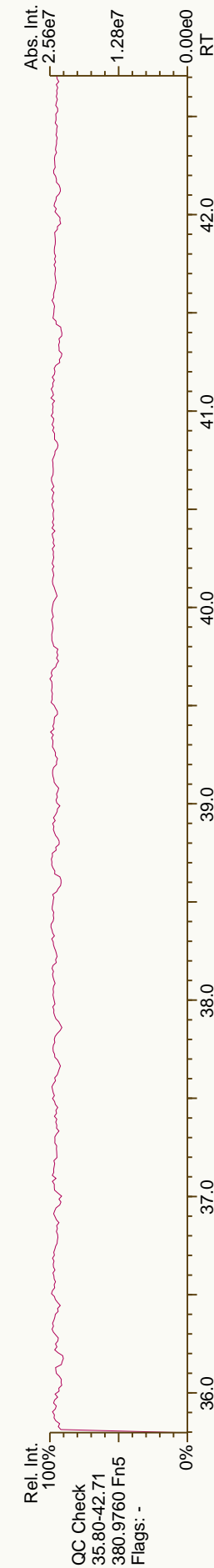
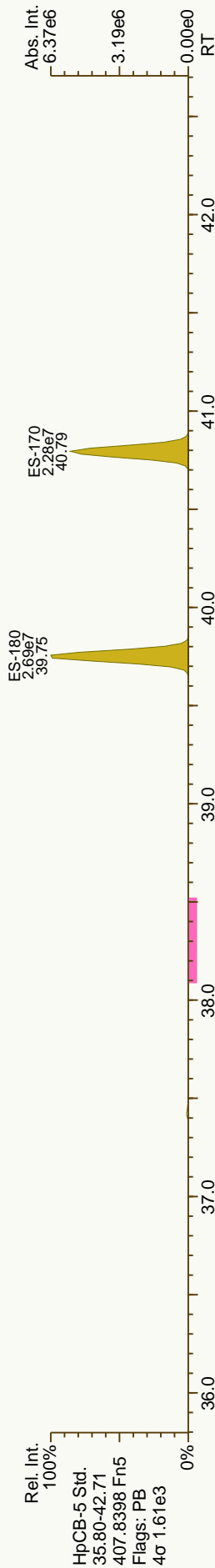
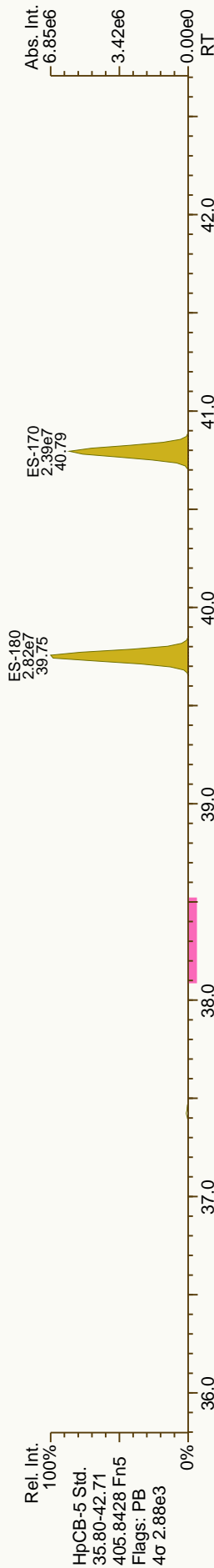
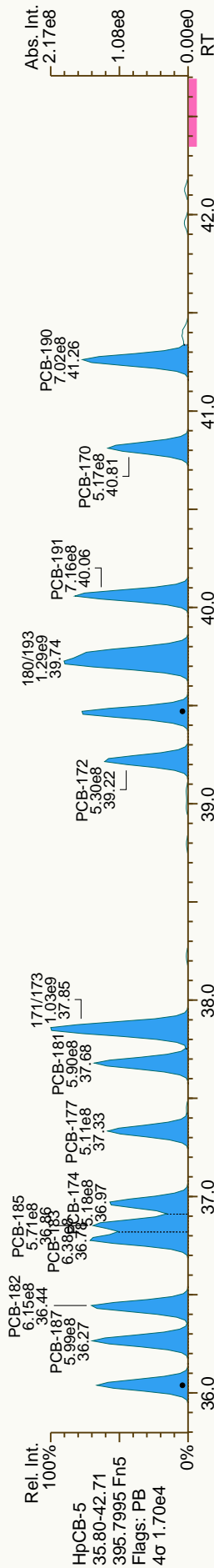
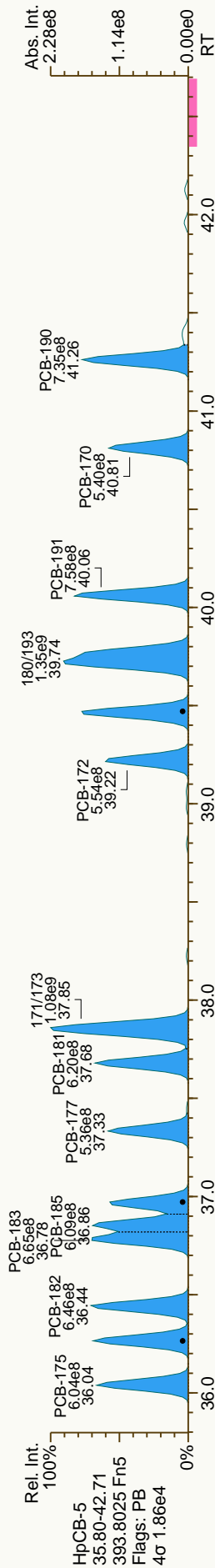


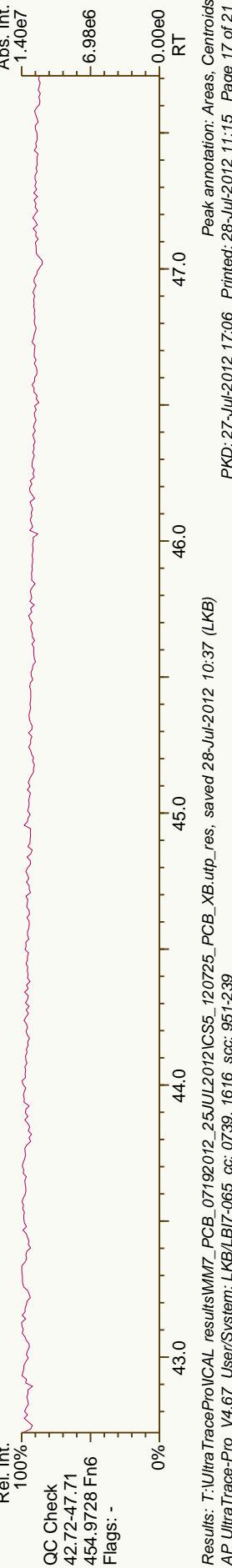
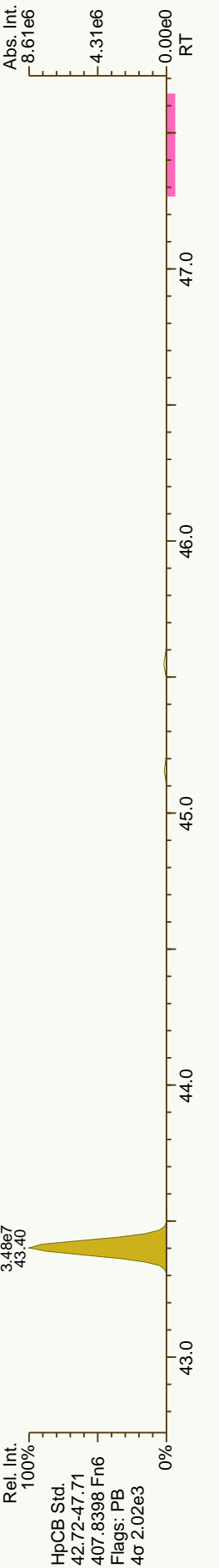
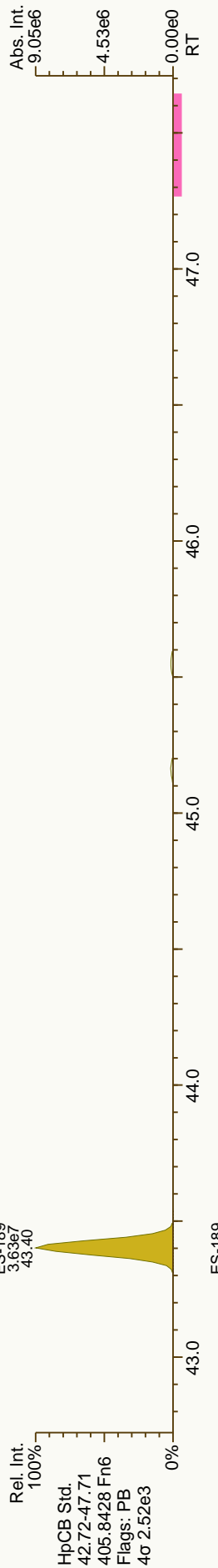
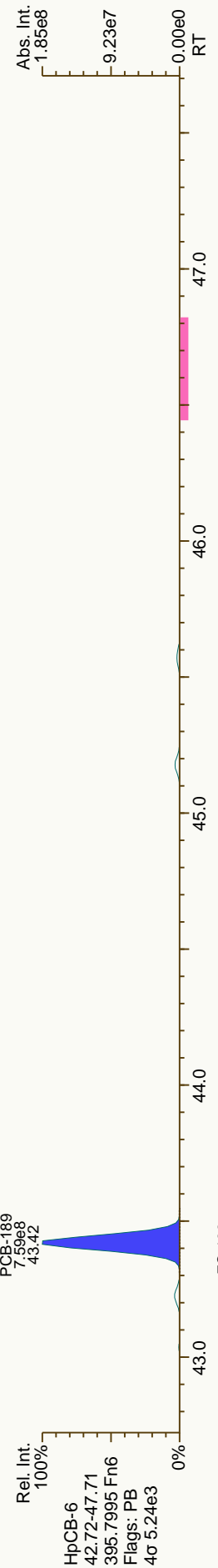
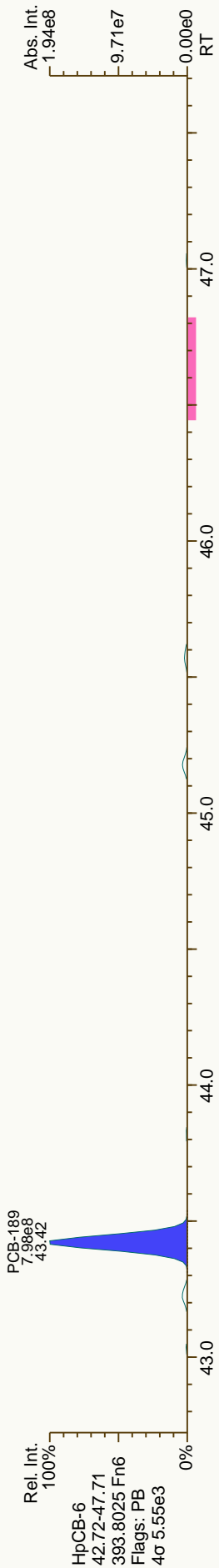


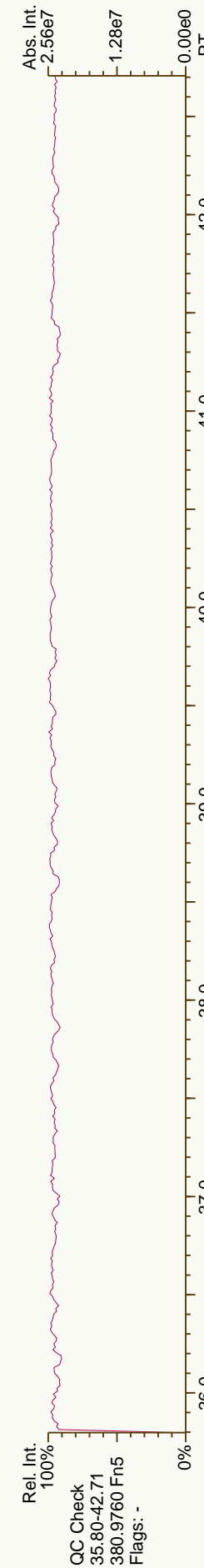
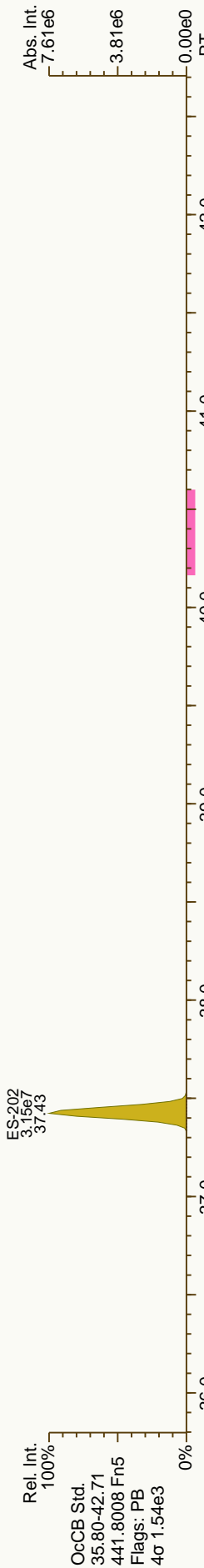
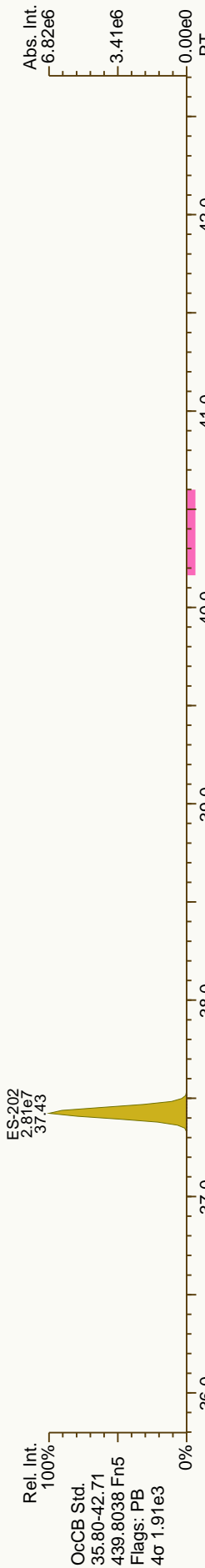
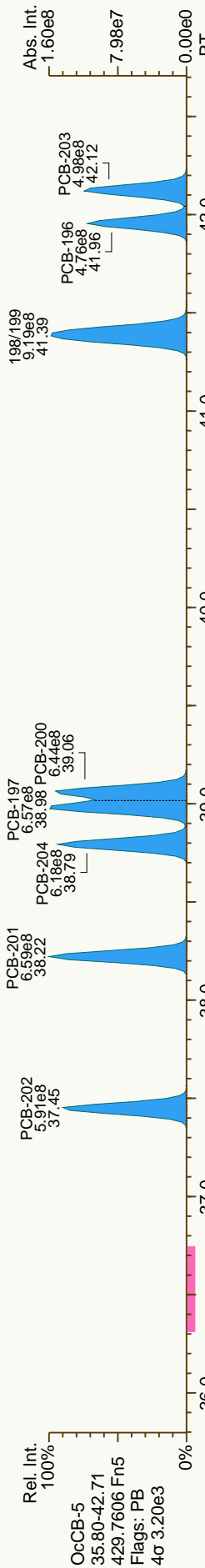
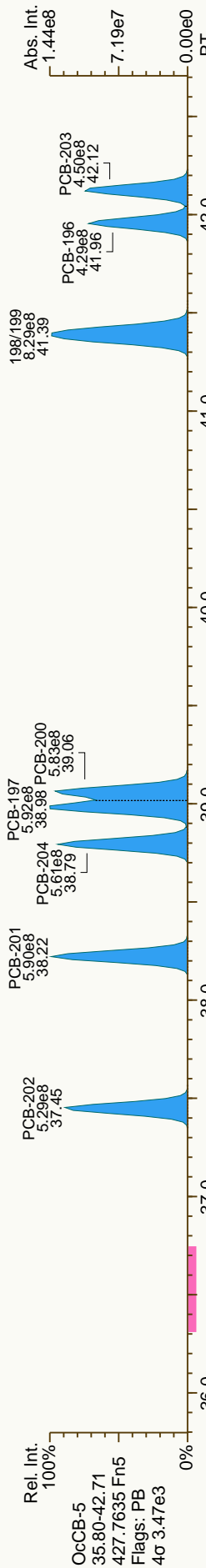


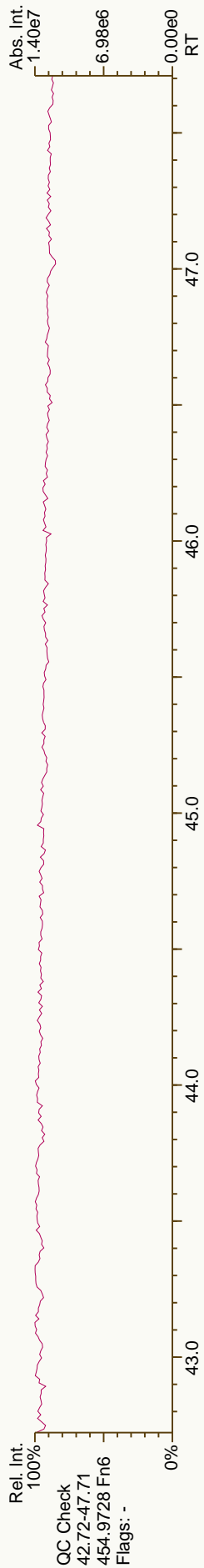
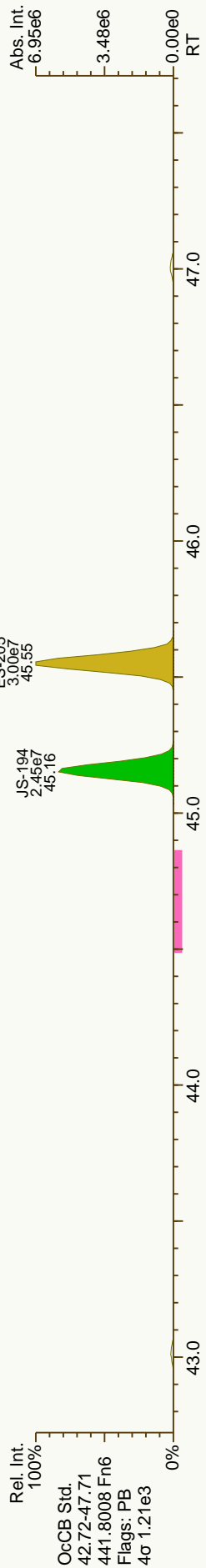
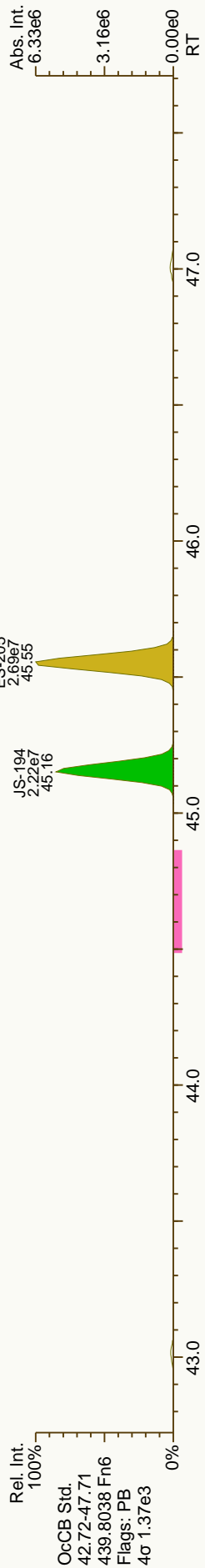
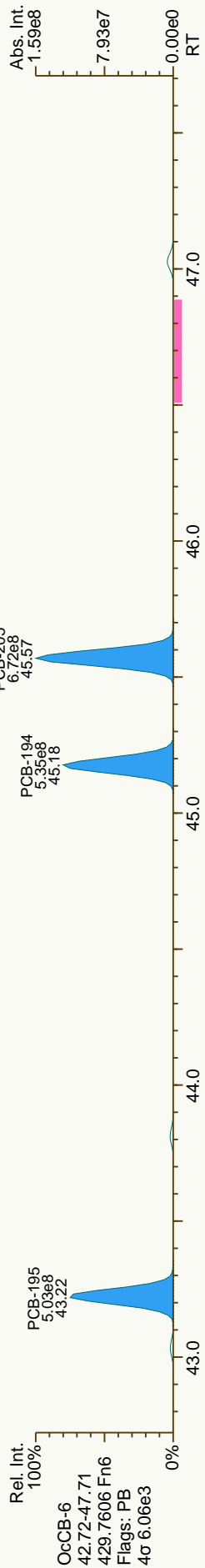
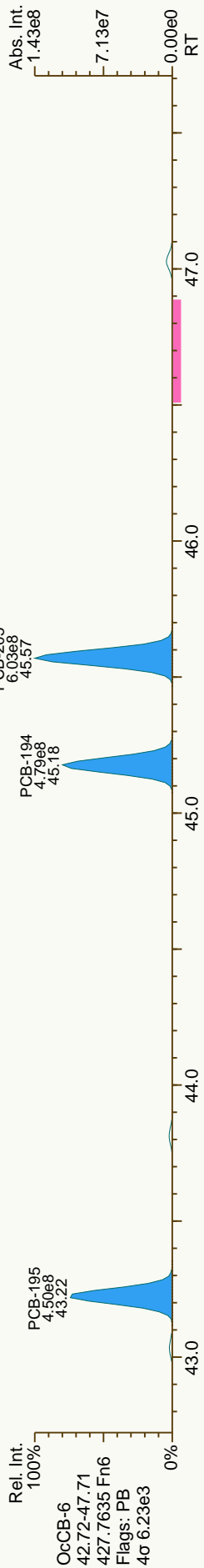


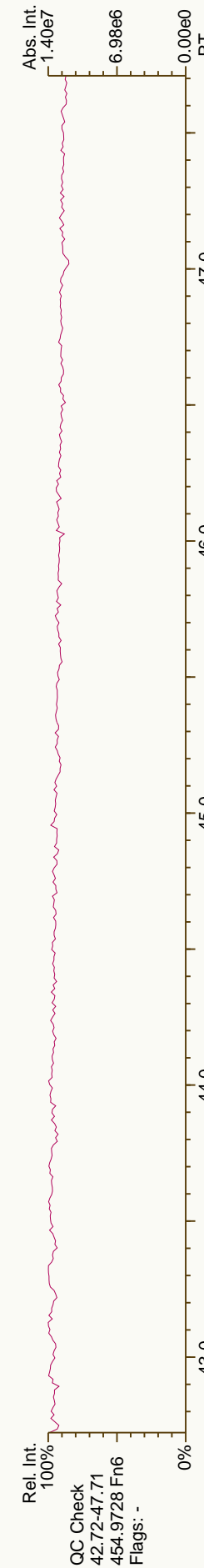
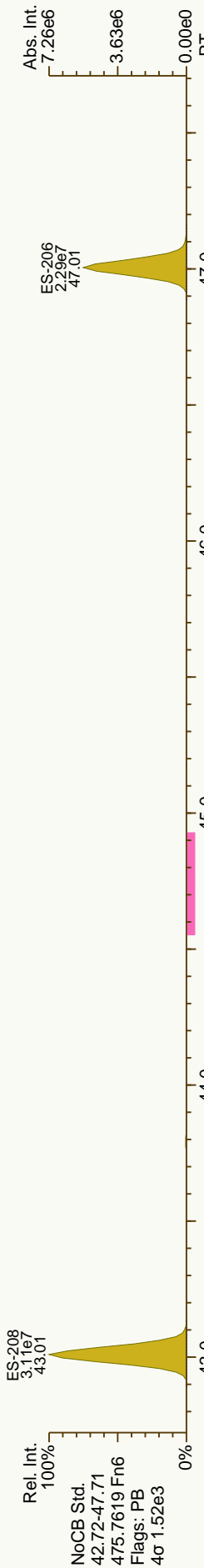
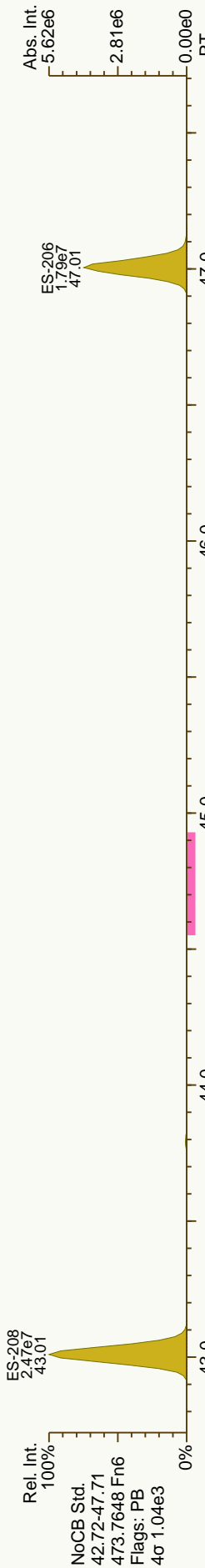
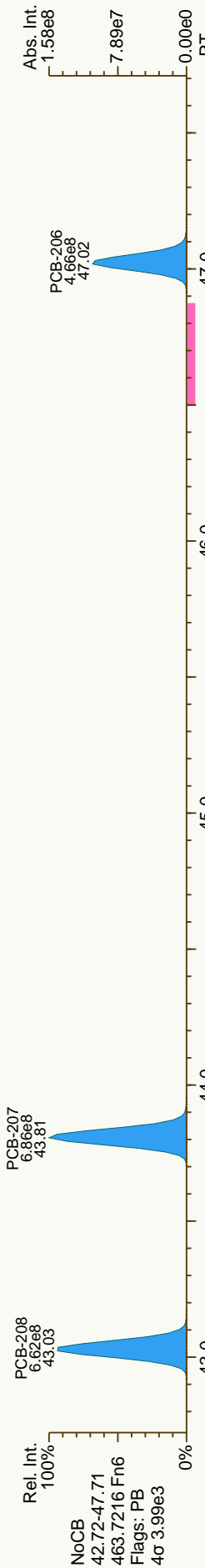
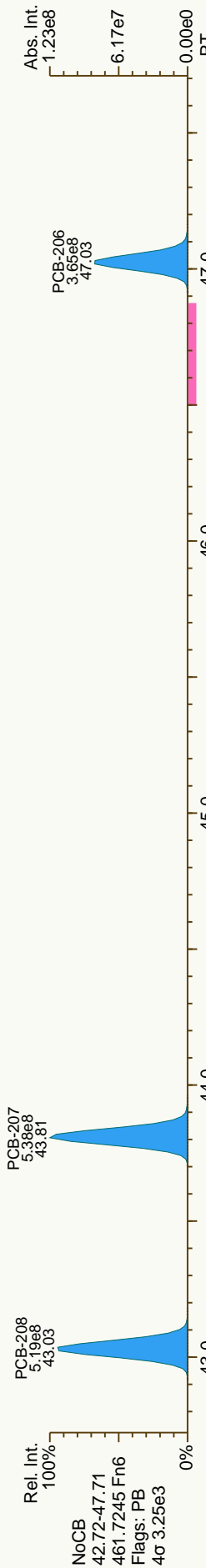


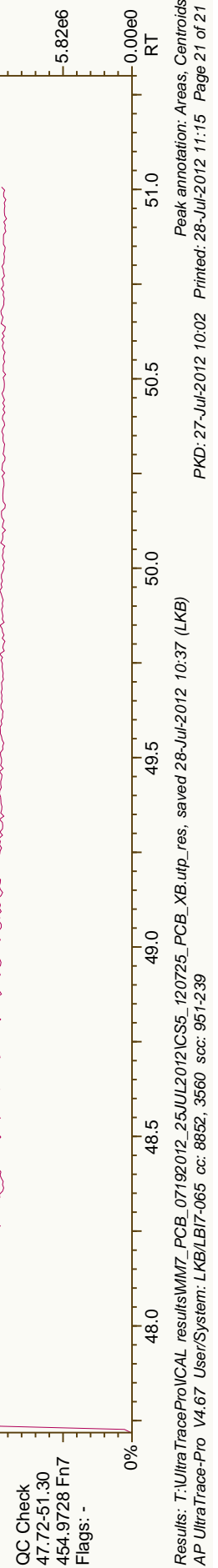
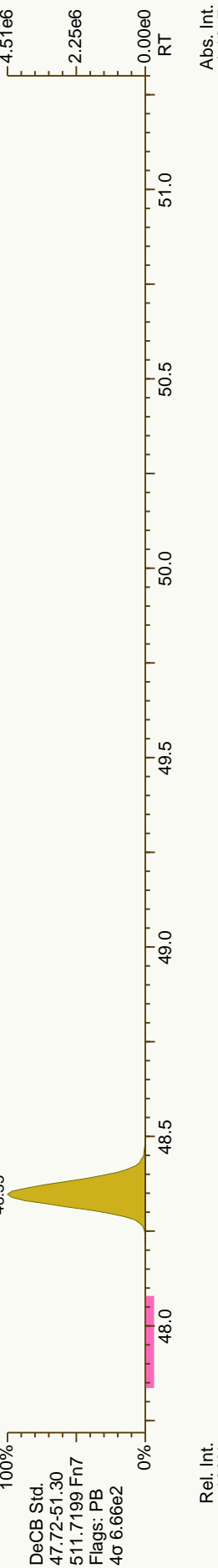
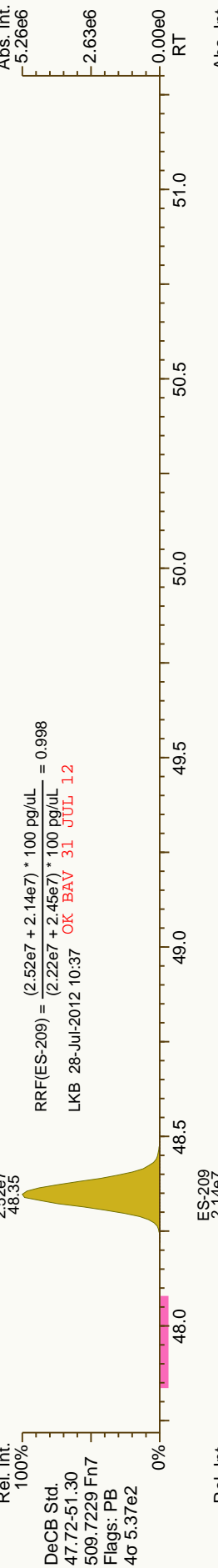
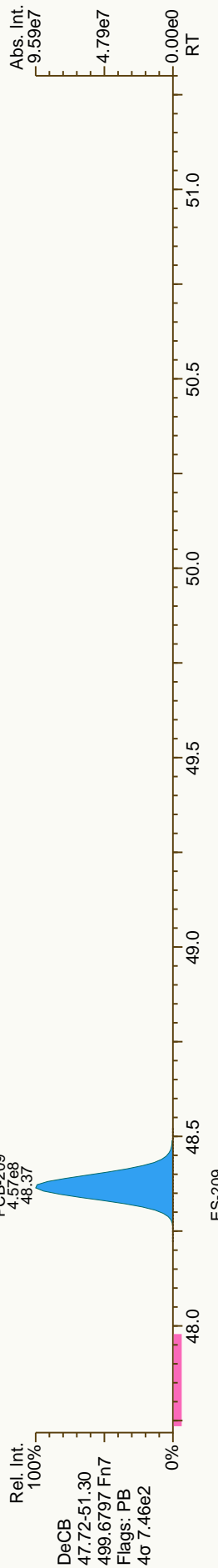
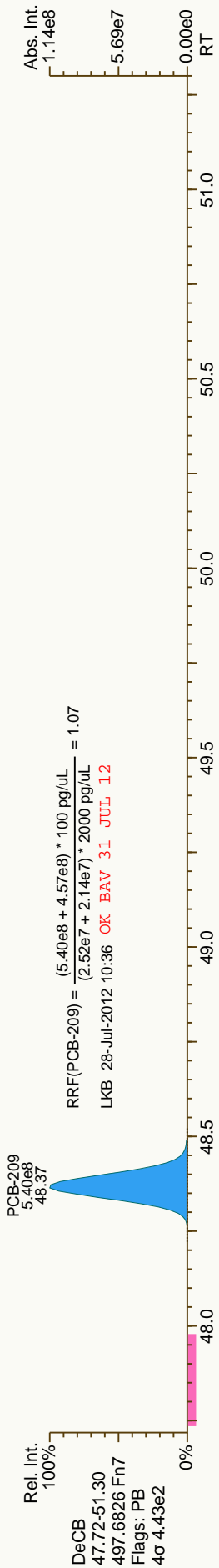






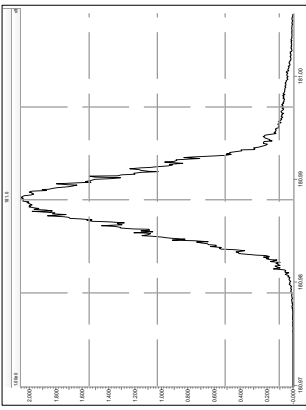




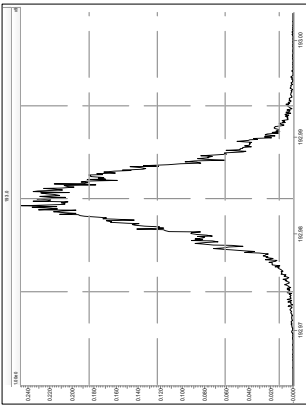


Printed: Wednesday, July 25, 2012 22:29:00 Eastern Daylight Time

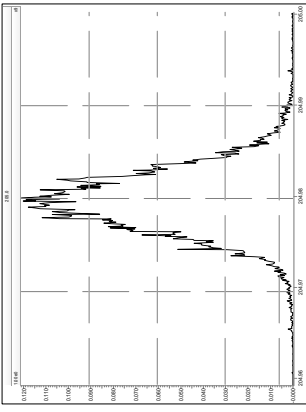
M 180.9888 R 12842



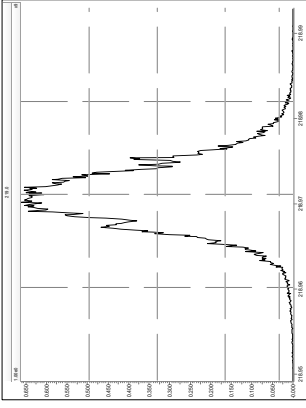
M 192.9888 R 13158



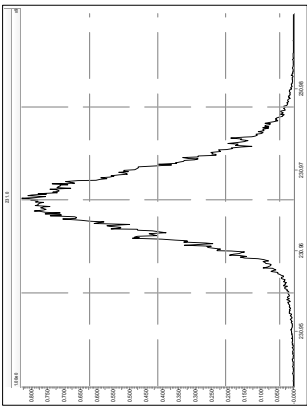
M 204.9888 R 13698



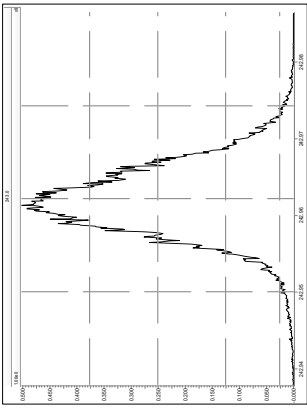
M 218.9856 R 12658



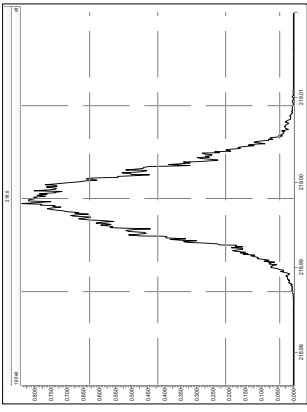
M 230.9856 R 11820



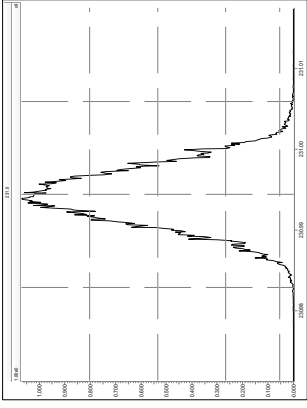
M 242.9856 R 11186



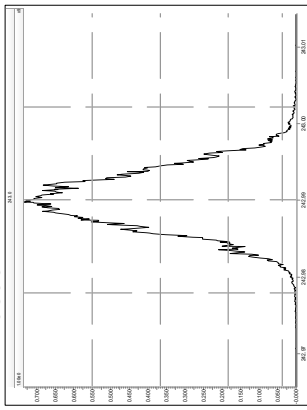
M 218.9856 R 13851



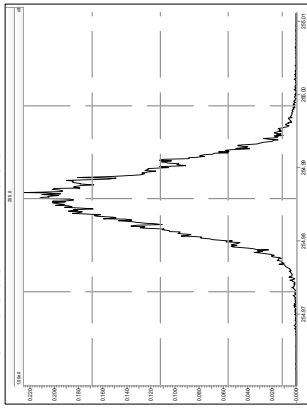
M 230.9856 R 14285



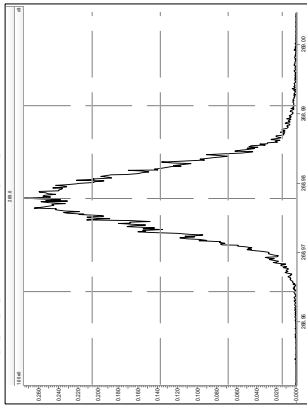
M 242.9856 R 14244



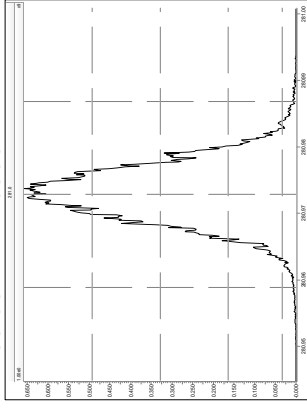
M 254.9856 R 14093



M 268.9824 R 14326

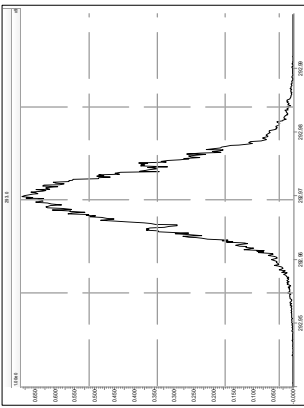


M 280.9824 R 13538

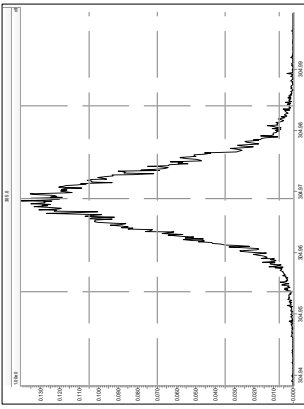


Printed: Wednesday, July 25, 2012 22:29:00 Eastern Daylight Time

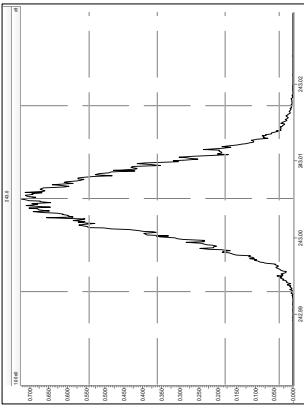
M 292.9824 R 13158



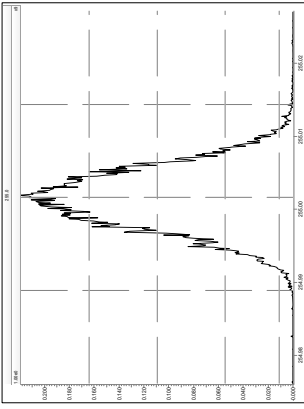
M 304.9824 R 13623



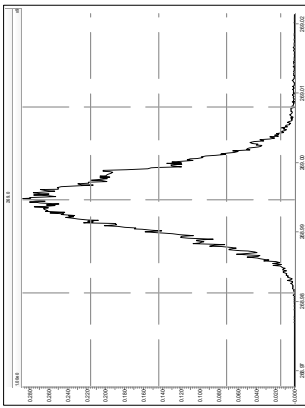
M 242.9856 R 13333



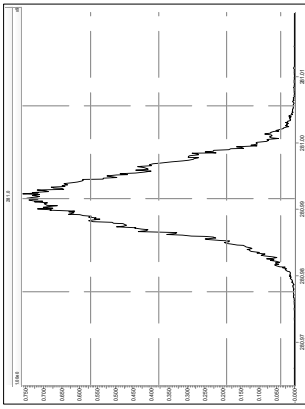
M 254.9856 R 13192



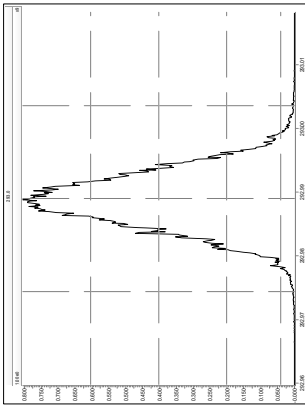
M 268.9824 R 13851



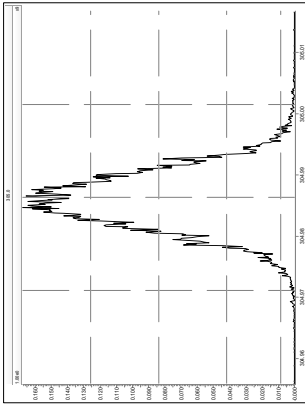
M 280.9824 R 13662



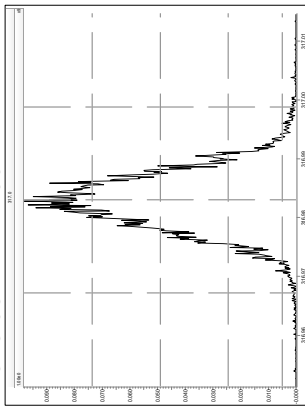
M 292.9824 R 13850



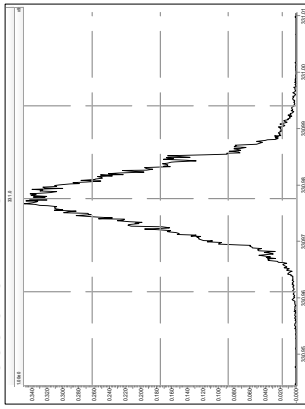
M 304.9824 R 14008



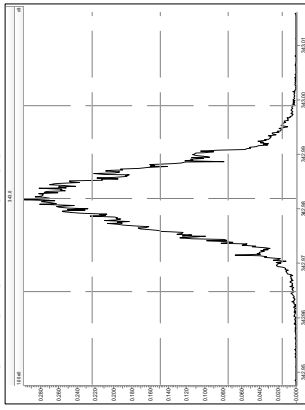
M 316.9824 R 14552



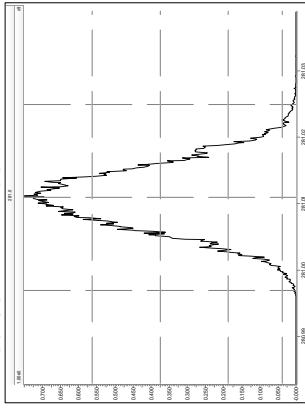
M 330.9792 R 13441



M 342.9792 R 13459

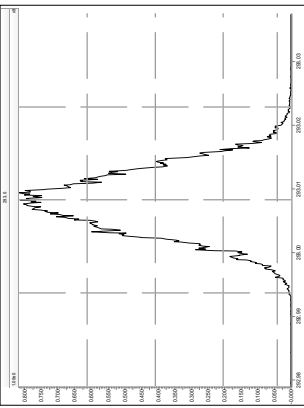


M 280.9824 R 12691

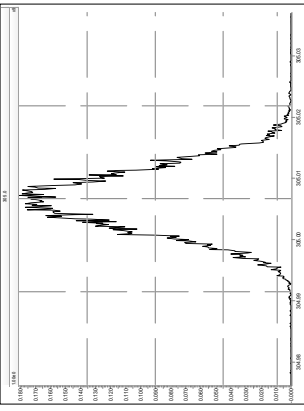


Printed: Wednesday, July 25, 2012 22:29:00 Eastern Daylight Time

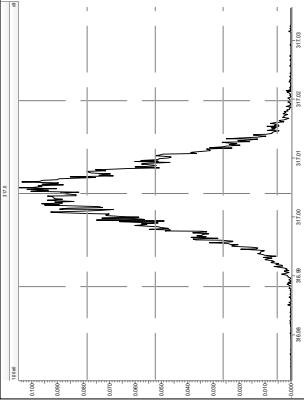
M 292.9824 R 12499



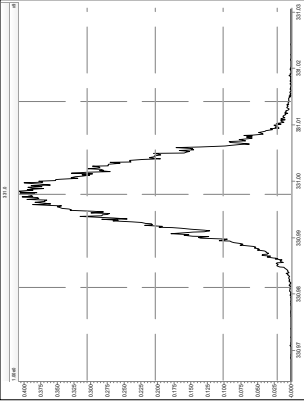
M 304.9824 R 13479



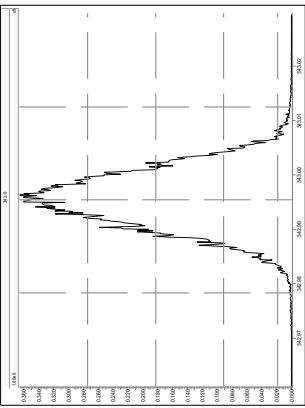
M 316.9824 R 13301



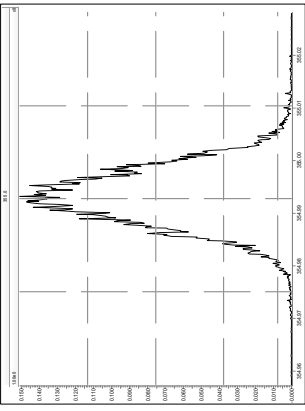
M 330.9792 R 14127



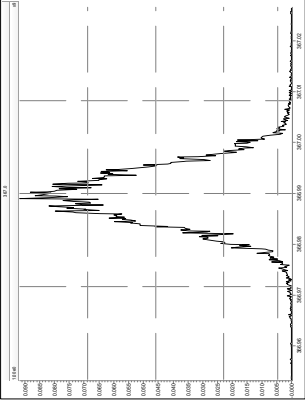
M 342.9792 R 14164



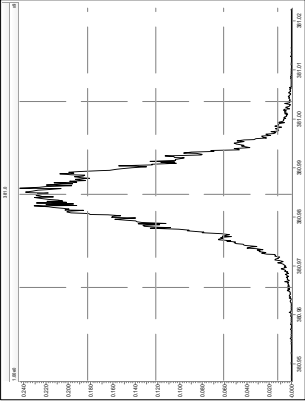
M 354.9792 R 14208



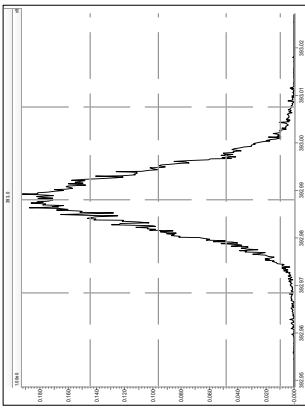
M 366.9792 R 14662



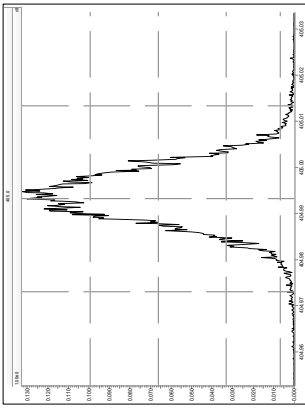
M 380.9760 R 14450



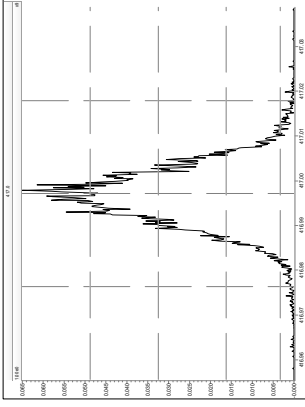
M 392.9760 R 14086



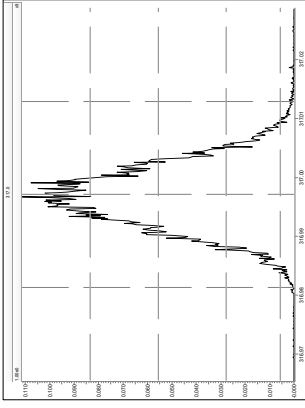
M 404.9760 R 14044



M 416.9760 R 14398

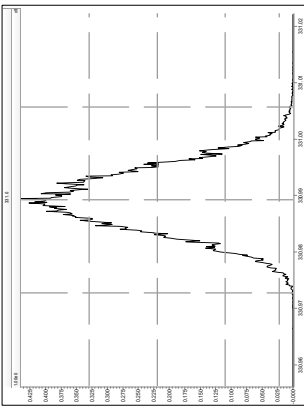


M 316.9824 R 13619

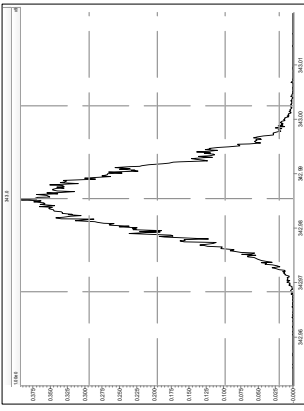


Printed: Wednesday, July 25, 2012 22:29:00 Eastern Daylight Time

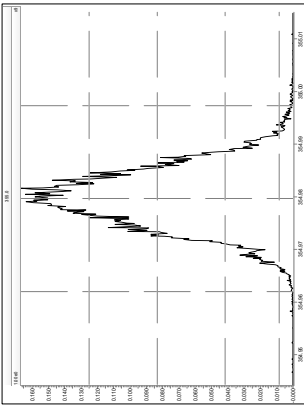
M 330.9792 R 12567



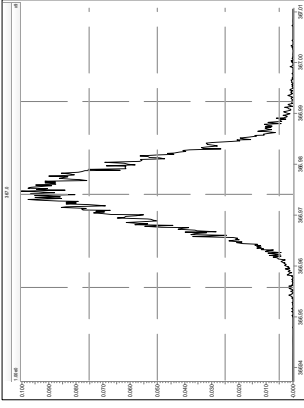
M 342.9792 R 13230



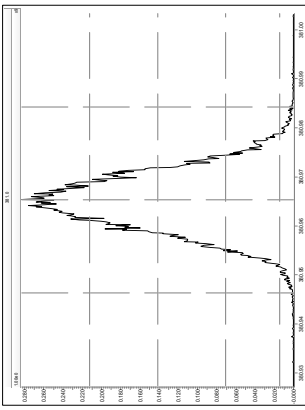
M 354.9792 R 13736



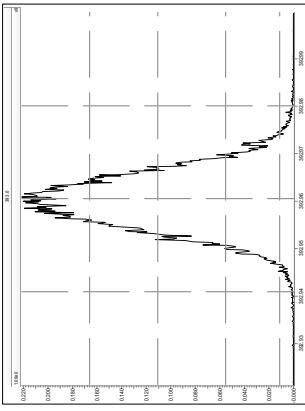
M 366.9792 R 14097



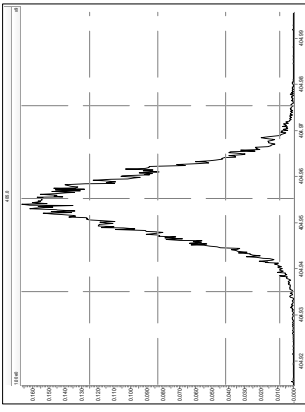
M 380.9760 R 13739



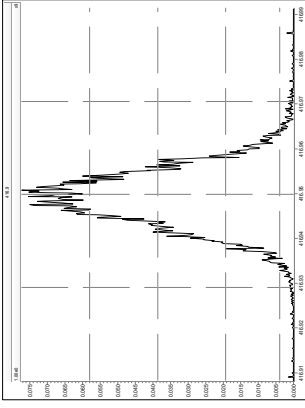
M 392.9760 R 14244



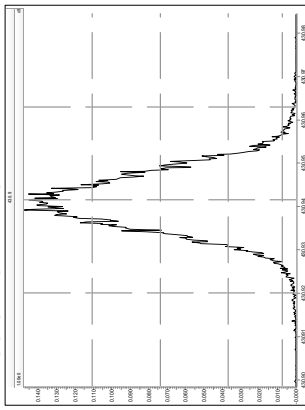
M 404.9760 R 14204



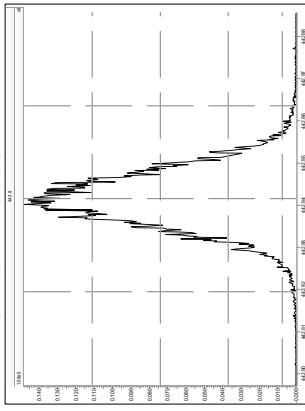
M 416.9760 R 14643



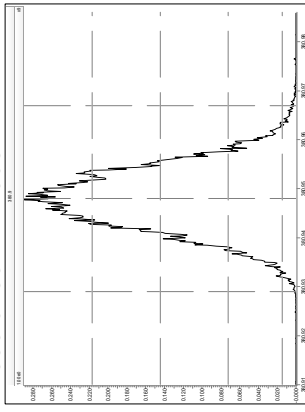
M 430.9728 R 14044



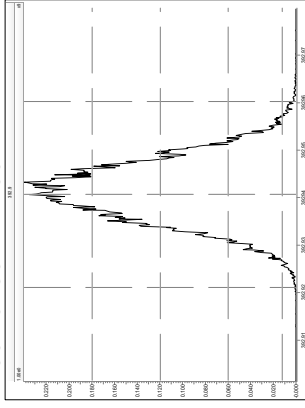
M 442.9728 R 13888



M 380.9760 R 12598

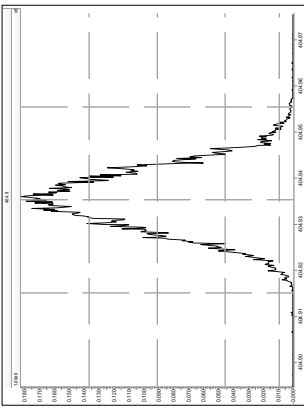


M 392.9760 R 12991

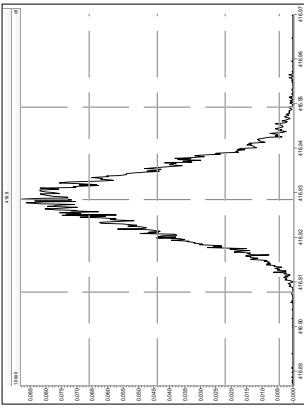


Printed: Wednesday, July 25, 2012 22:29:00 Eastern Daylight Time

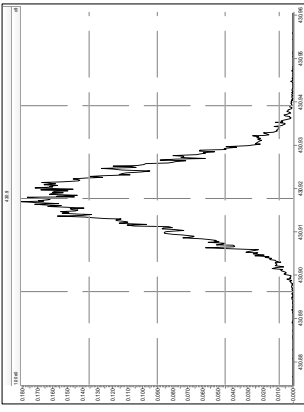
M 404.9760 R 13228



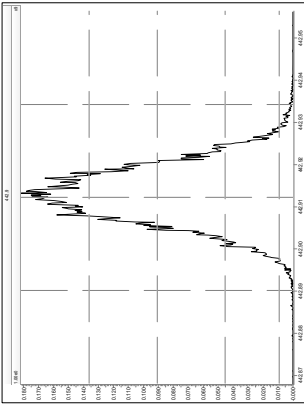
M 416.9760 R 13826



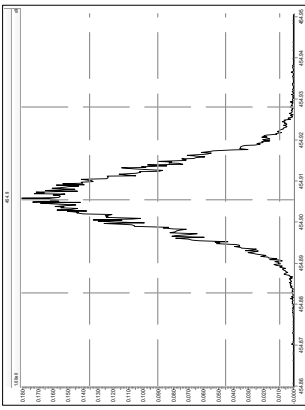
M 430.9728 R 13635



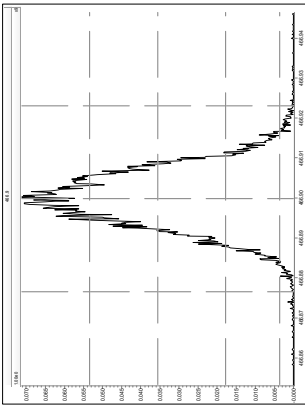
M 442.9728 R 13928



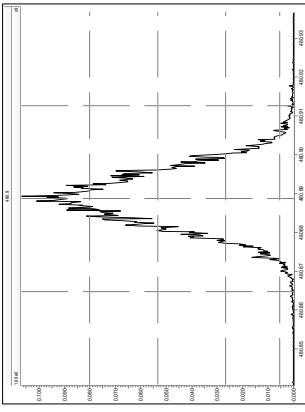
M 454.9728 R 14411



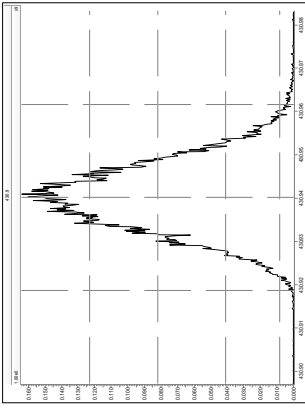
M 466.9728 R 14215



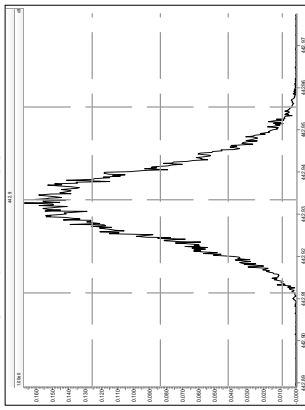
M 480.9696 R 14250



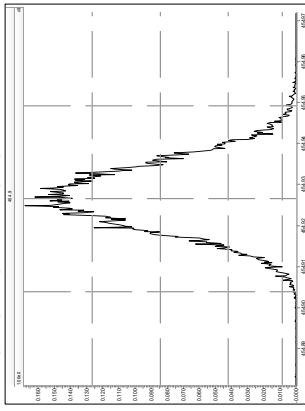
M 430.9728 R 11390



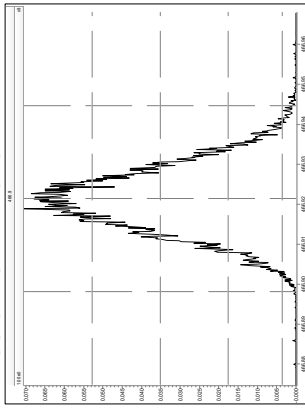
M 442.9728 R 11765



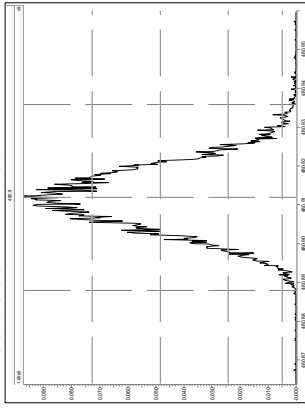
M 454.9728 R 12019



M 466.9728 R 12348



M 480.9696 R 12789

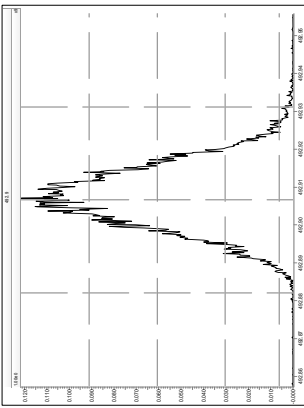


Resolution Check Report

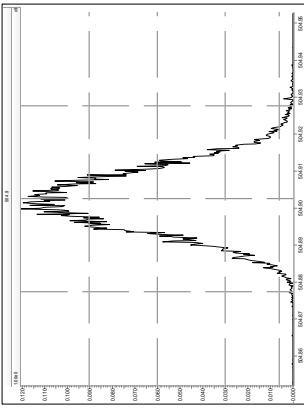
MassLynx 4.1 SCN 881

Printed: Wednesday, July 25, 2012 22:29:00 Eastern Daylight Time

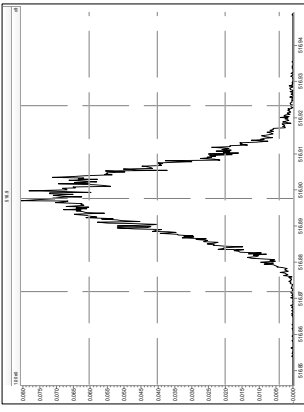
M 492.9696 R 12690



M 504.9696 R 12756

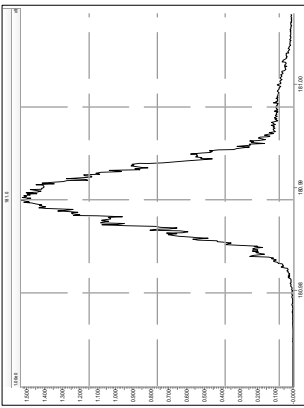


M 516.9697 R 13368

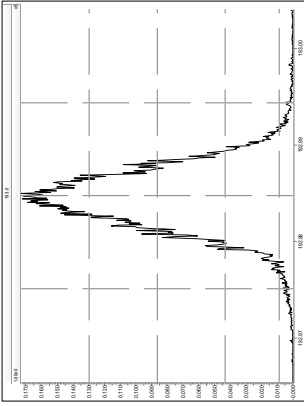


Printed: Thursday, July 26, 2012 08:33:07 Eastern Daylight Time

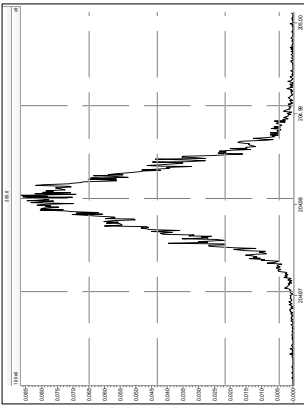
M 180.9888 R 10376



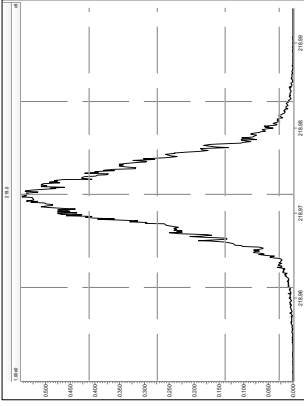
M 192.9888 R 14045



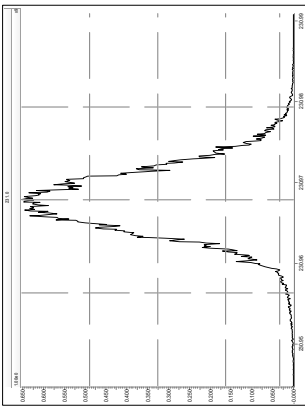
M 204.9888 R 13737



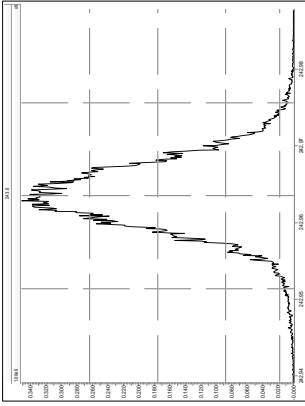
M 218.9856 R 12991



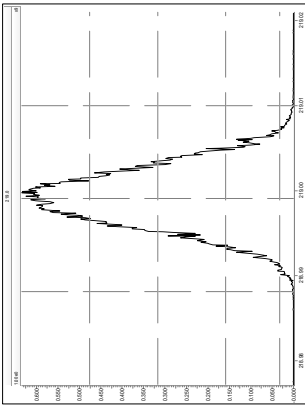
M 230.9856 R 12136



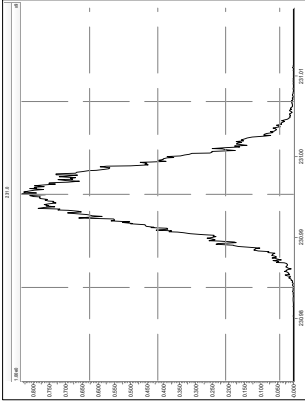
M 242.9856 R 11476



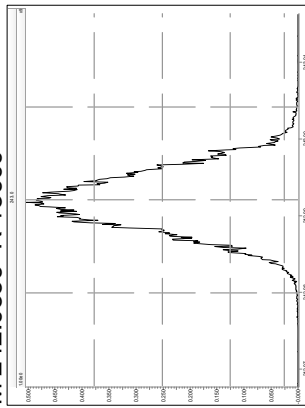
M 218.9856 R 13623



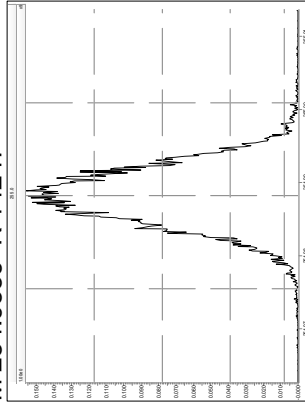
M 230.9856 R 13700



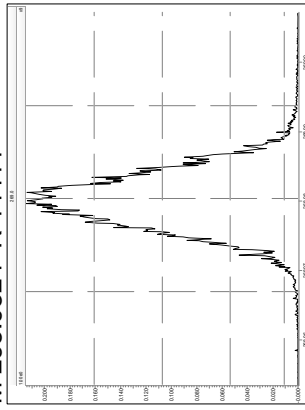
M 242.9856 R 13699



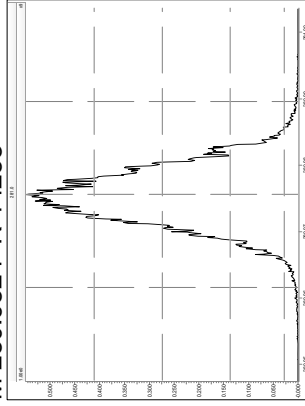
M 254.9856 R 14247



M 268.9824 R 14411

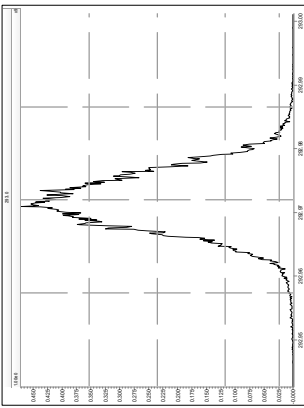


M 280.9824 R 14253

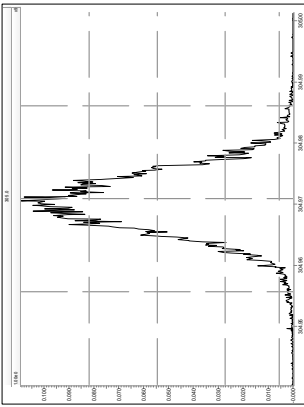


Printed: Thursday, July 26, 2012 08:33:07 Eastern Daylight Time

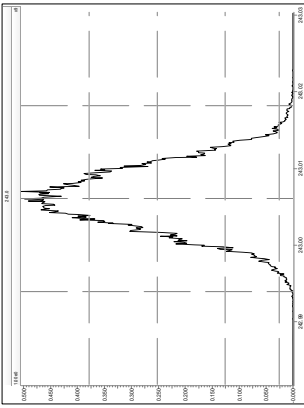
M 292.9824 R 13818



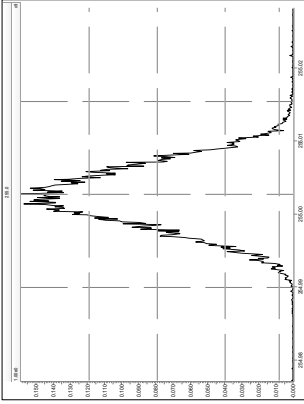
M 304.9824 R 13822



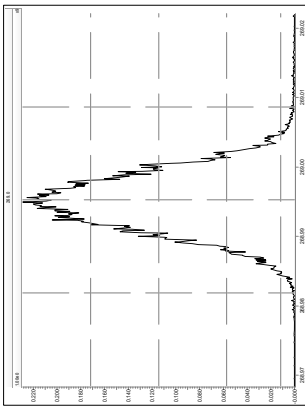
M 242.9856 R 12530



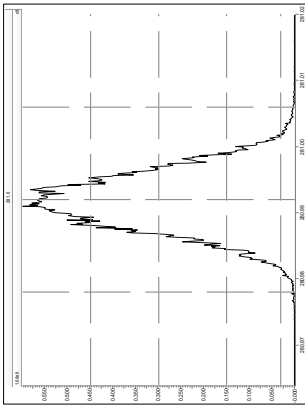
M 254.9856 R 13554



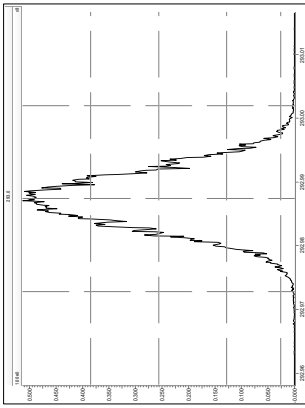
M 268.9824 R 13513



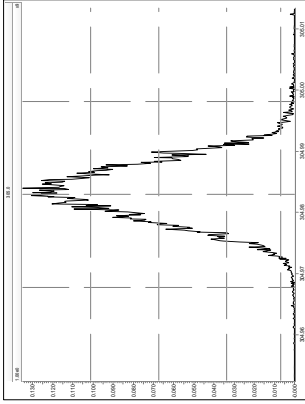
M 280.9824 R 13479



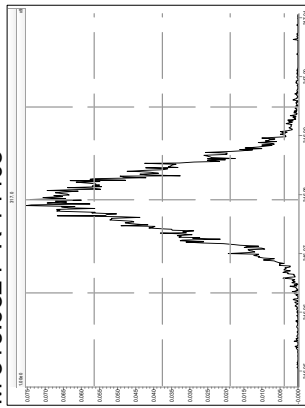
M 292.9824 R 14086



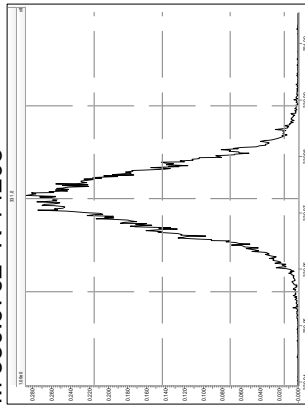
M 304.9824 R 14579



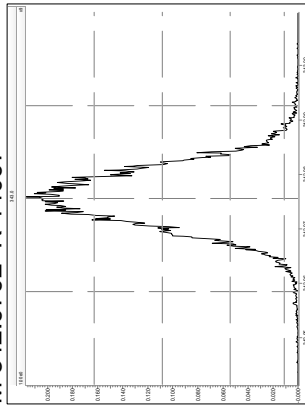
M 316.9824 R 14408



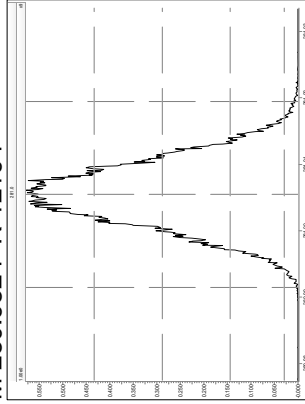
M 330.9792 R 14208



M 342.9792 R 14097

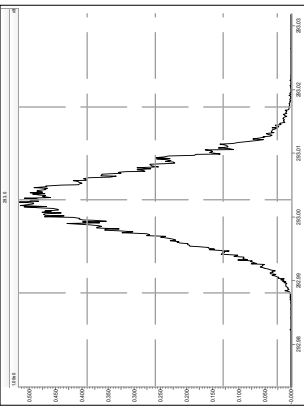


M 280.9824 R 12194

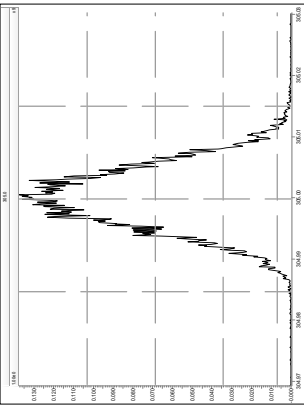


Printed: Thursday, July 26, 2012 08:33:07 Eastern Daylight Time

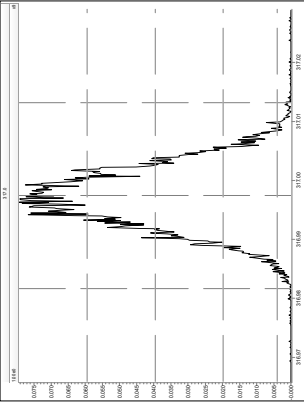
M 292.9824 R 12194



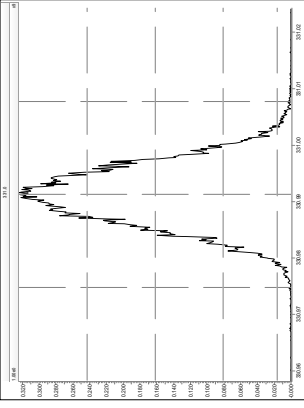
M 304.9824 R 13262



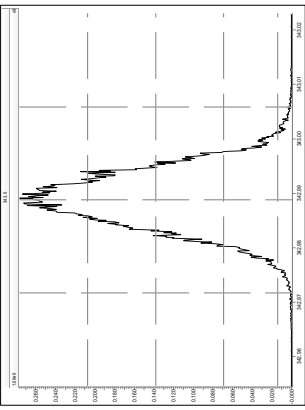
M 316.9824 R 13778



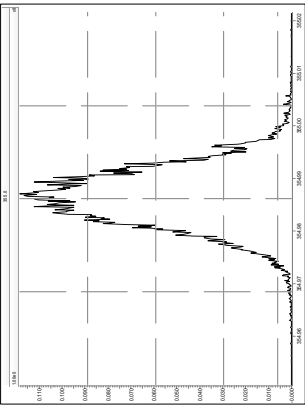
M 330.9792 R 13850



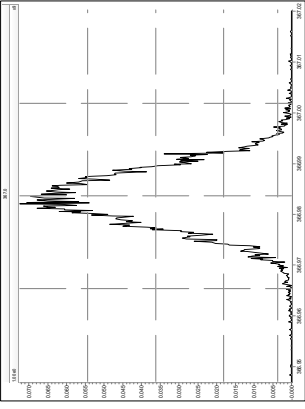
M 342.9792 R 13698



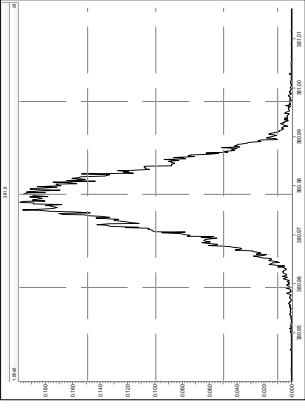
M 354.9792 R 13927



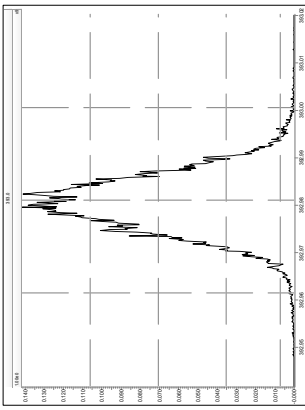
M 366.9792 R 14371



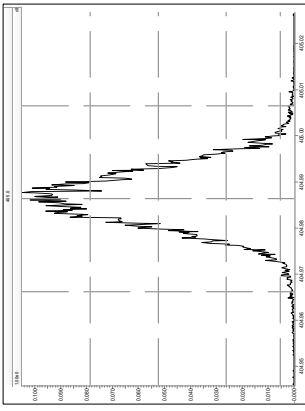
M 380.9760 R 14326



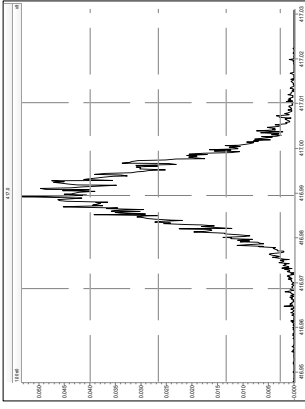
M 392.9760 R 14705



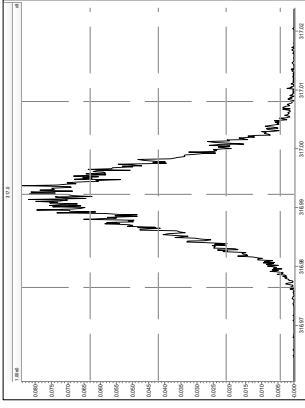
M 404.9760 R 14935



M 416.9760 R 14384

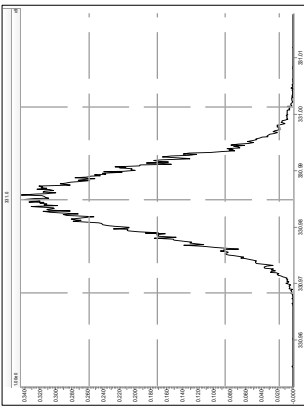


M 316.9824 R 12383

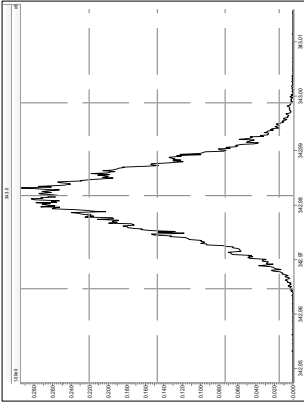


Printed: Thursday, July 26, 2012 08:33:07 Eastern Daylight Time

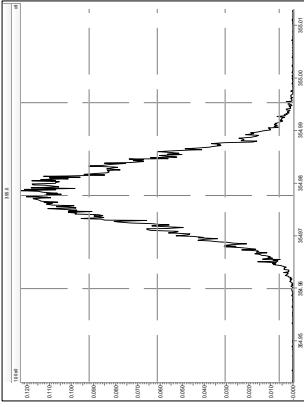
M 330.9792 R 12820



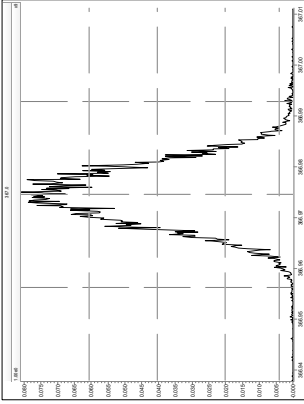
M 342.9792 R 12922



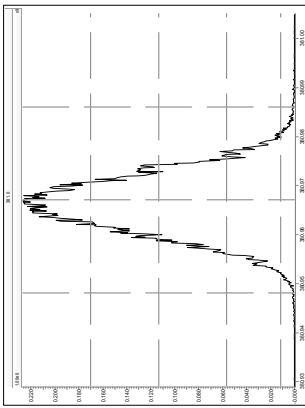
M 354.9792 R 12987



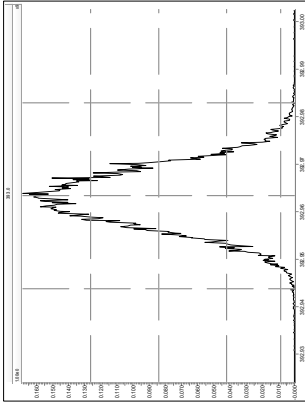
M 366.9792 R 14080



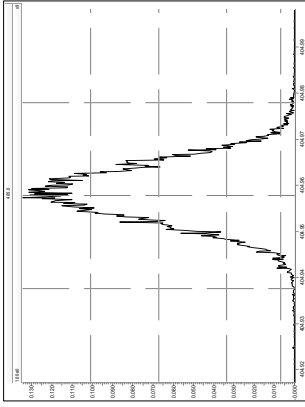
M 380.9760 R 13774



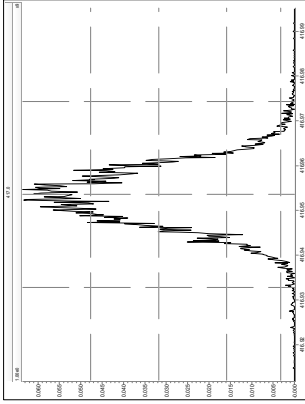
M 392.9760 R 13588



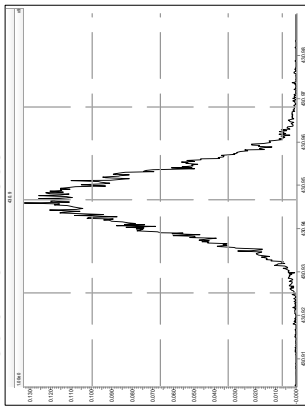
M 404.9760 R 14204



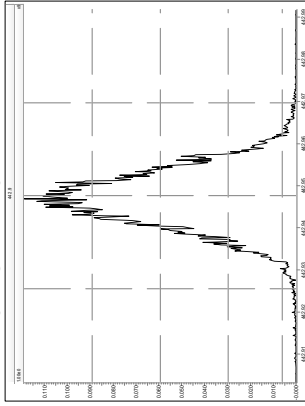
M 416.9760 R 14713



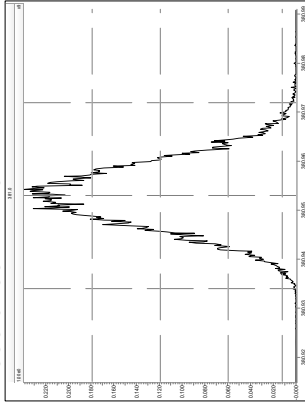
M 430.9728 R 14836



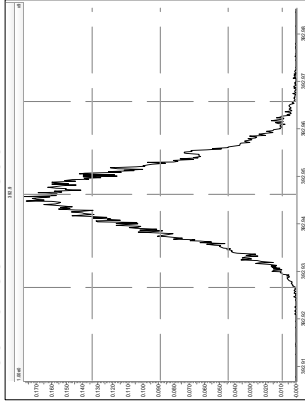
M 442.9728 R 14971



M 380.9760 R 12377

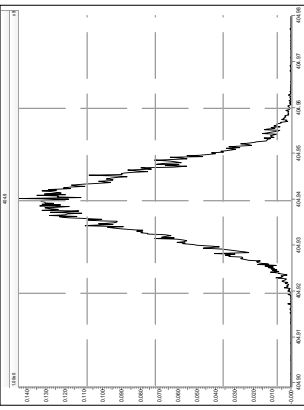


M 392.9760 R 12695

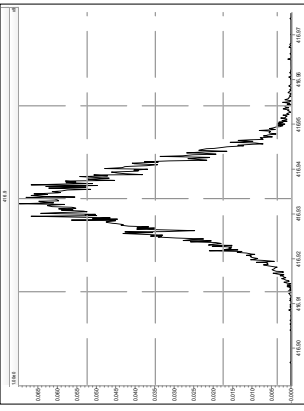


Printed: Thursday, July 26, 2012 08:33:07 Eastern Daylight Time

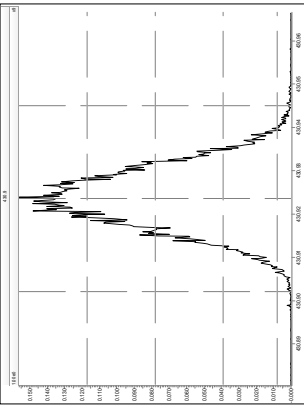
M 404.9760 R 12991



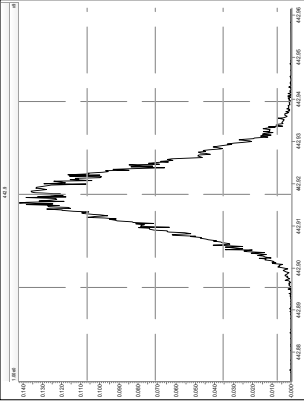
M 416.9760 R 13163



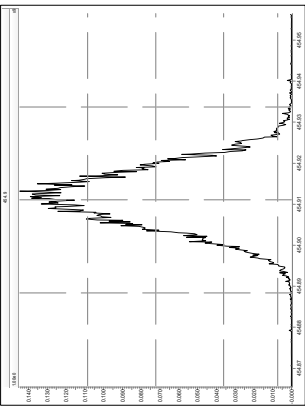
M 430.9728 R 13196



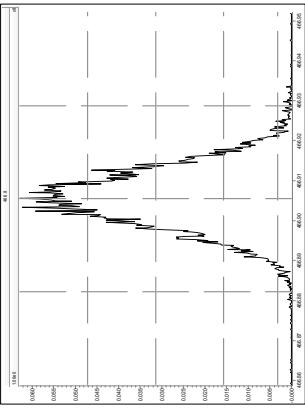
M 442.9728 R 13476



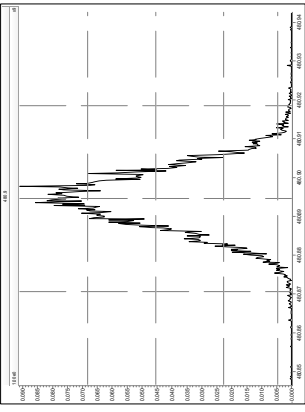
M 454.9728 R 13930



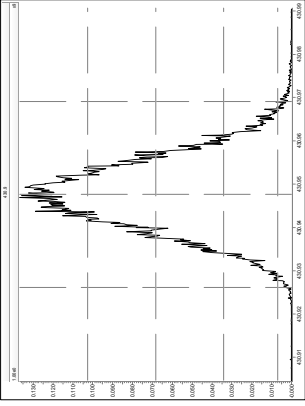
M 466.9728 R 14006



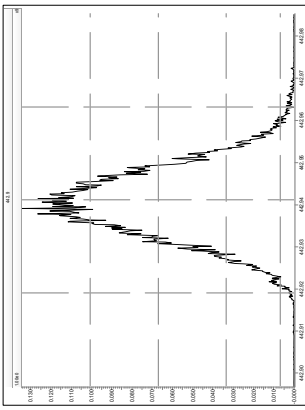
M 480.9696 R 14552



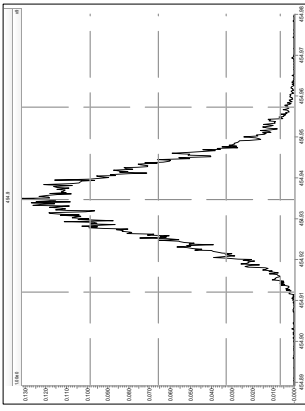
M 430.9728 R 11497



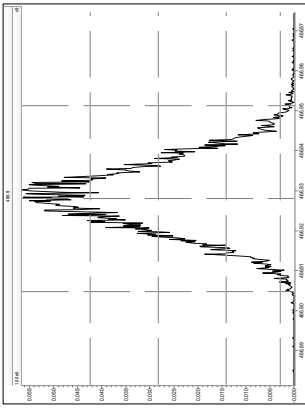
M 442.9728 R 11603



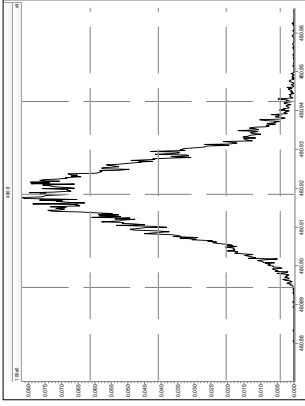
M 454.9728 R 11685



M 466.9728 R 12612

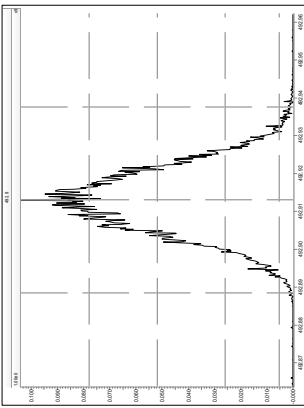


M 480.9696 R 12195

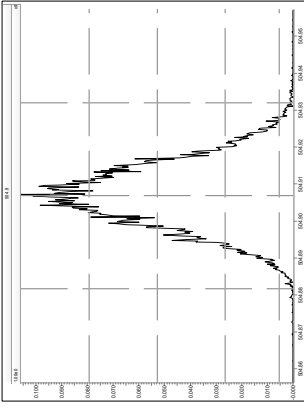


Printed: Thursday, July 26, 2012 08:33:07 Eastern Daylight Time

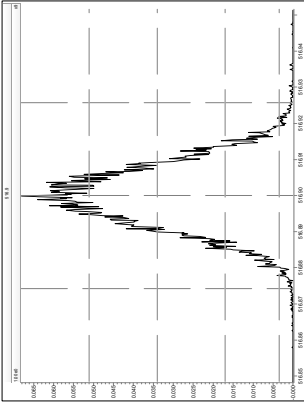
M 492.9696 R 12380

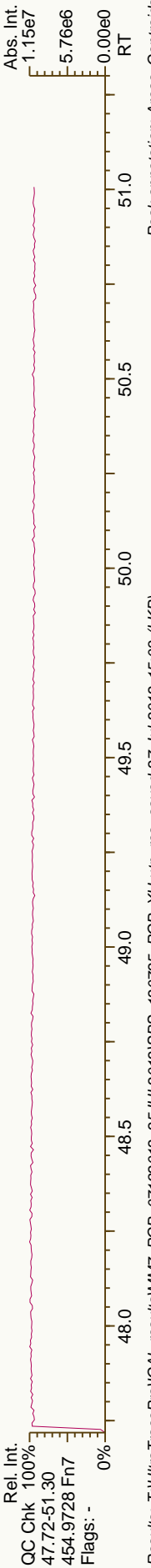
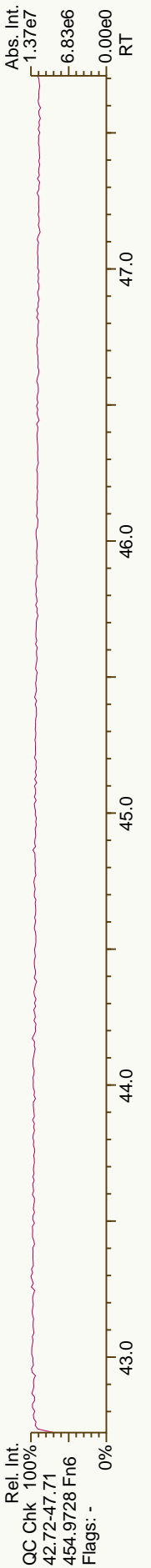
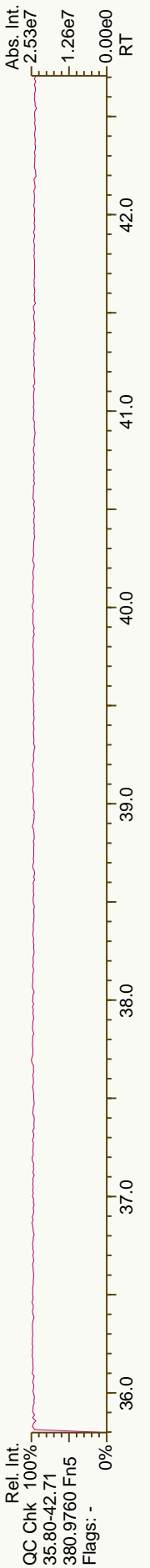
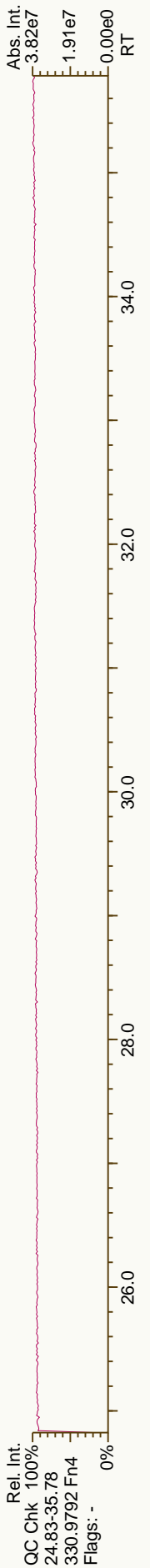
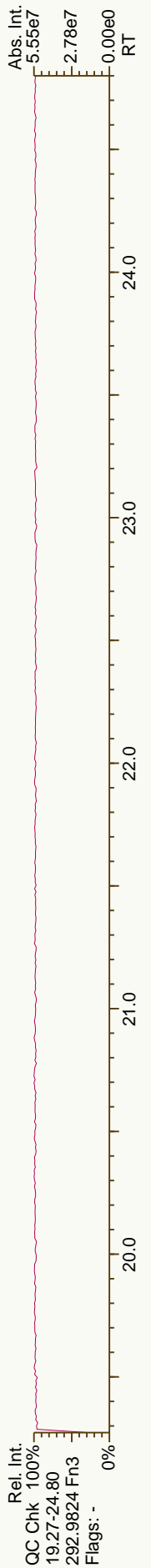
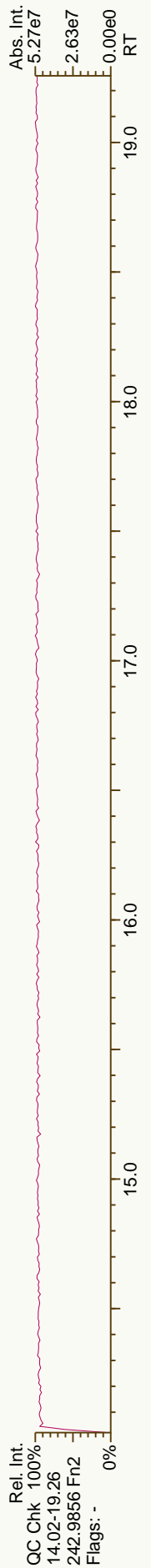
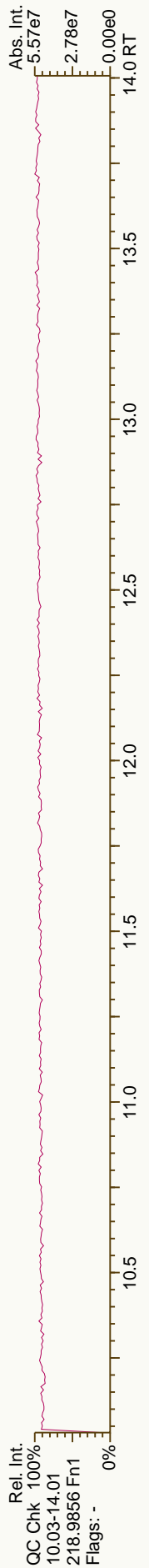


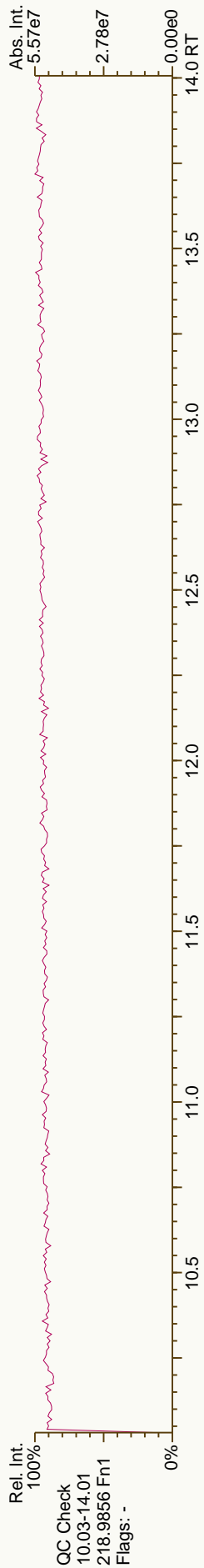
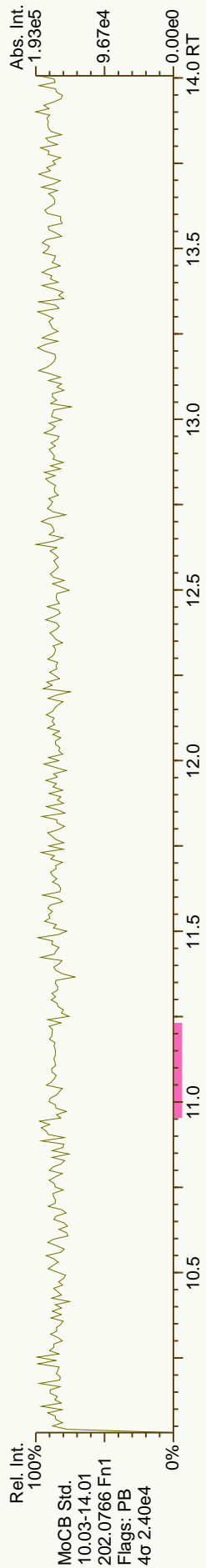
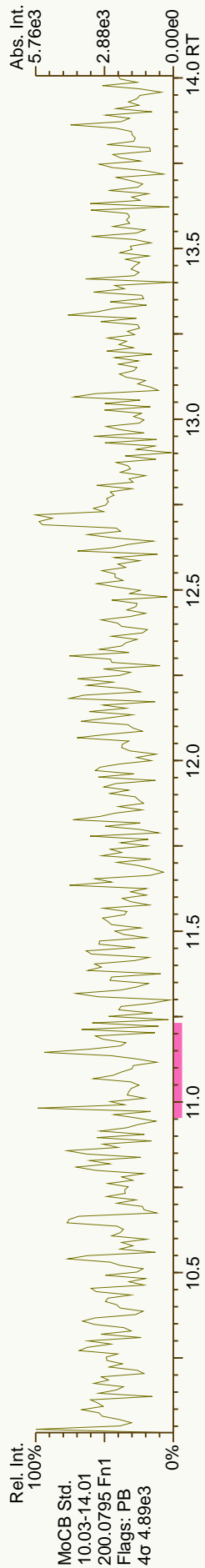
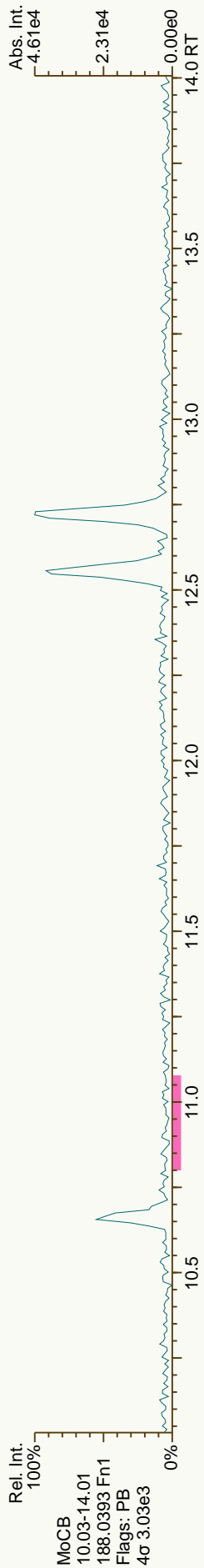
M 504.9696 R 12583

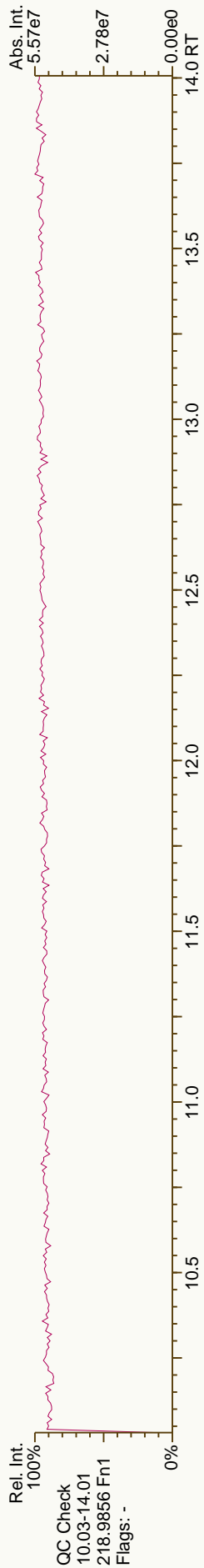
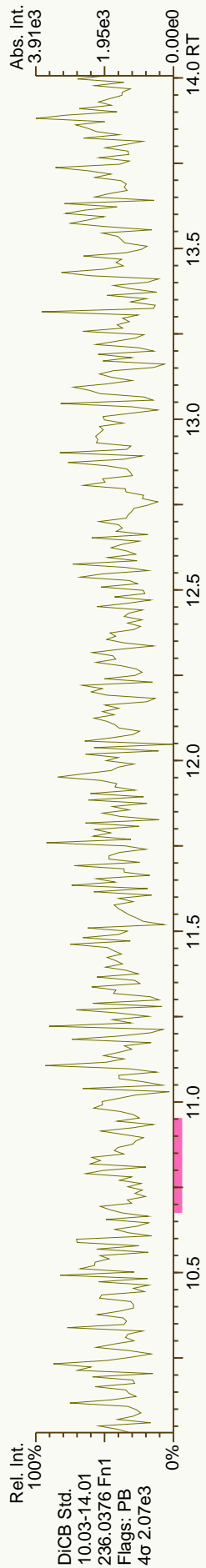
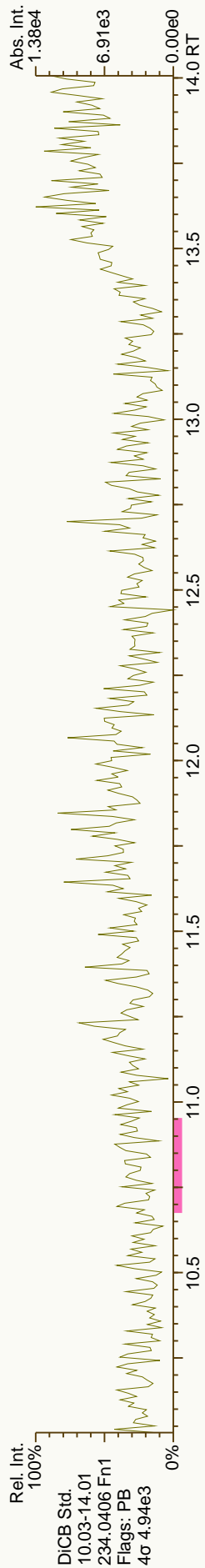
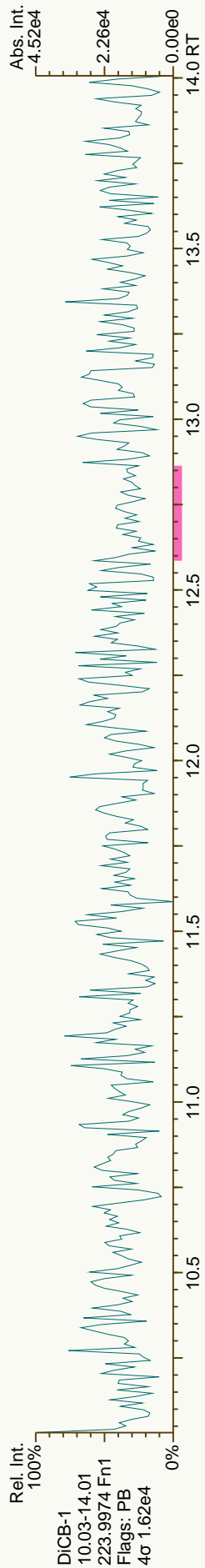
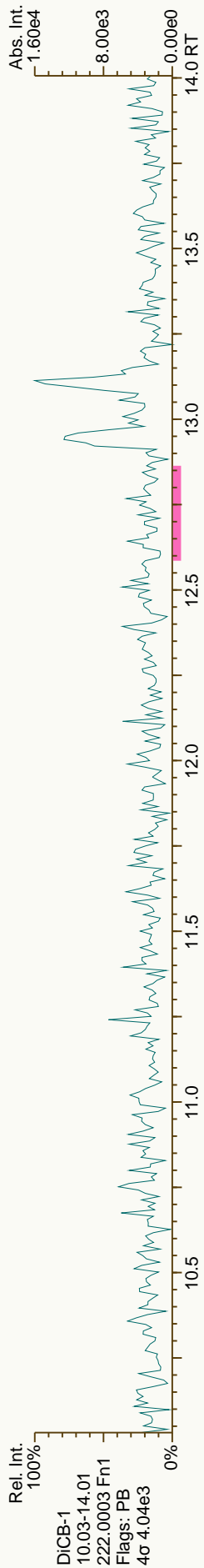


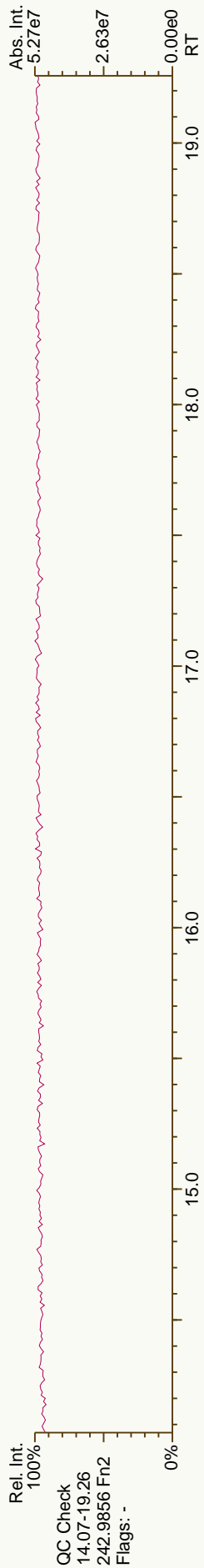
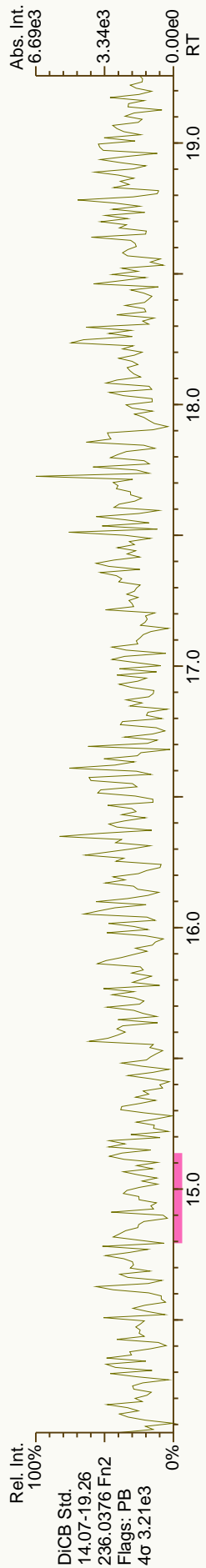
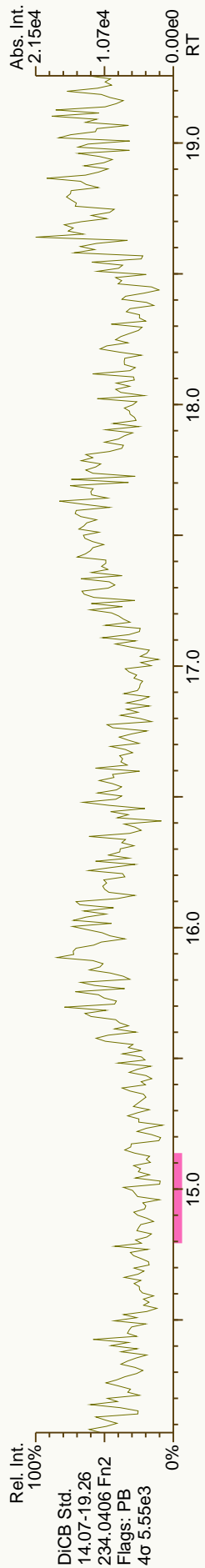
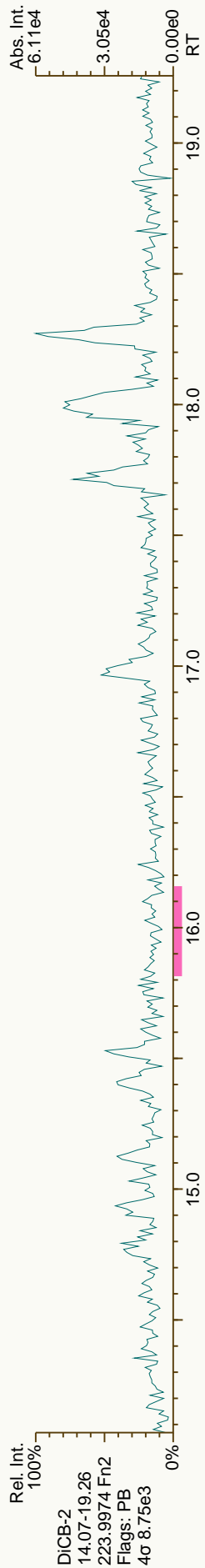
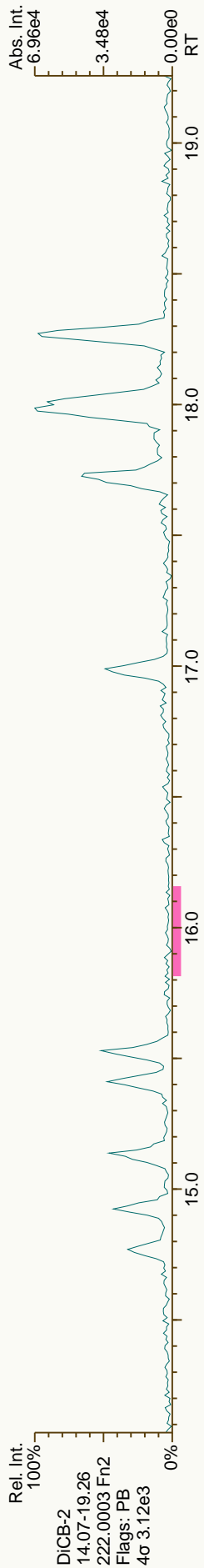
M 516.9697 R 12891

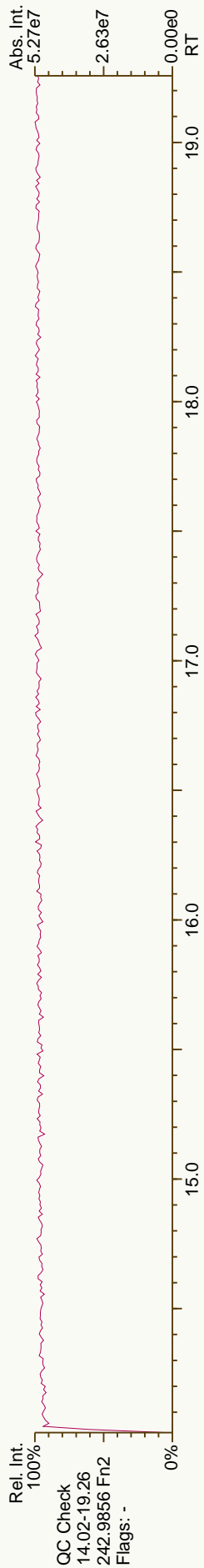
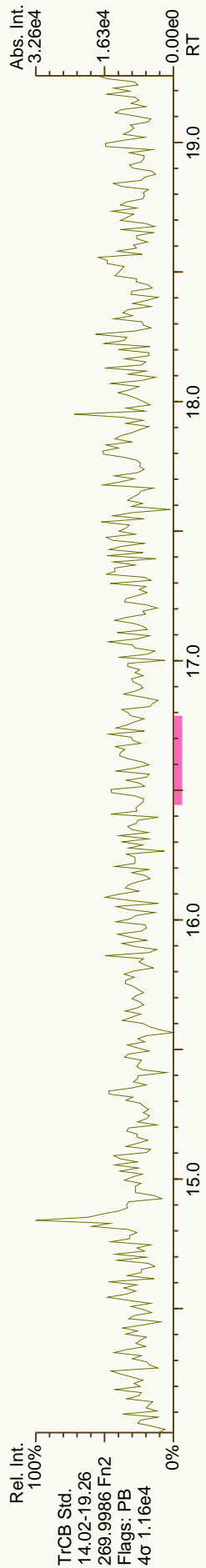
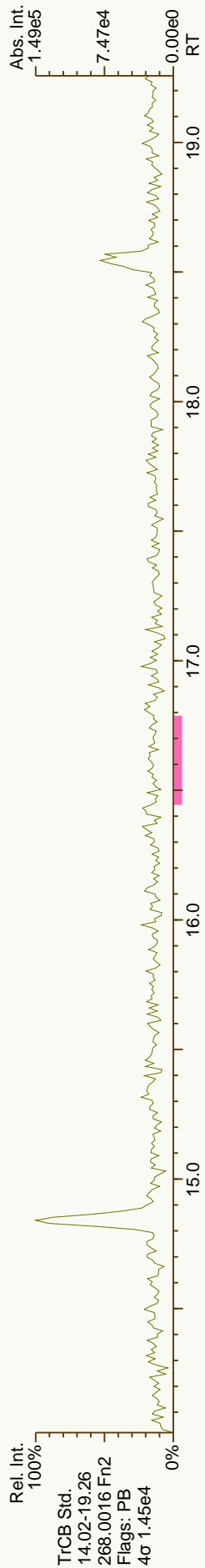
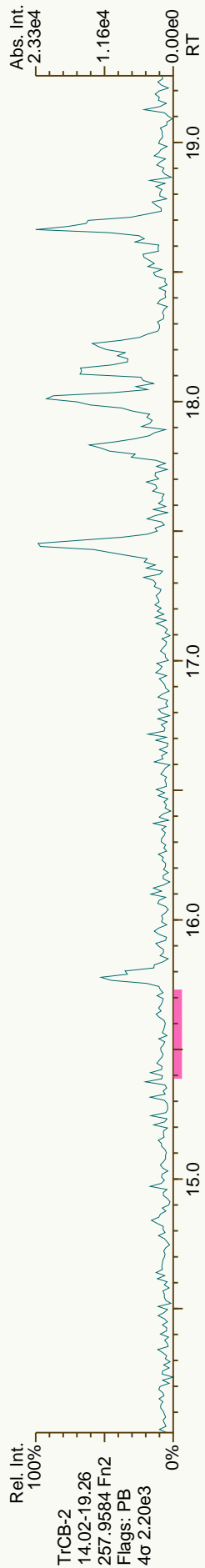
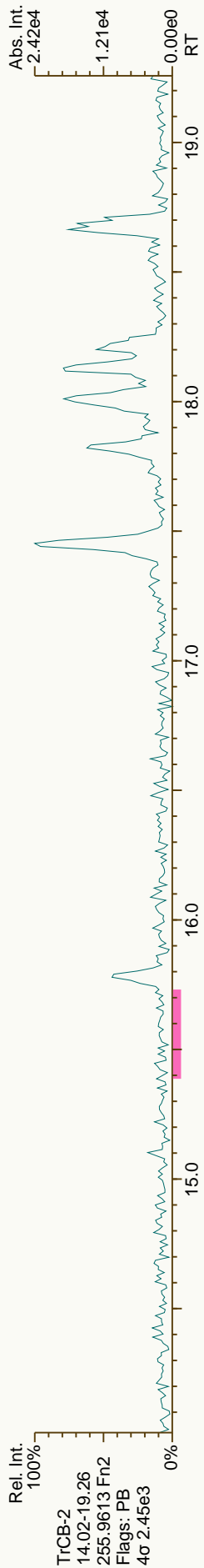


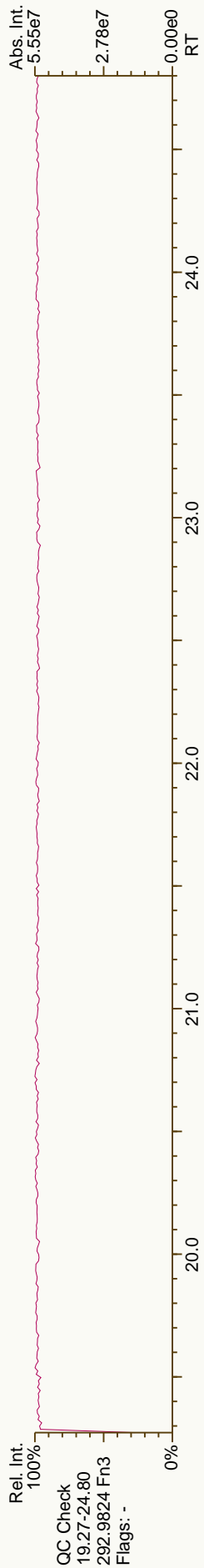
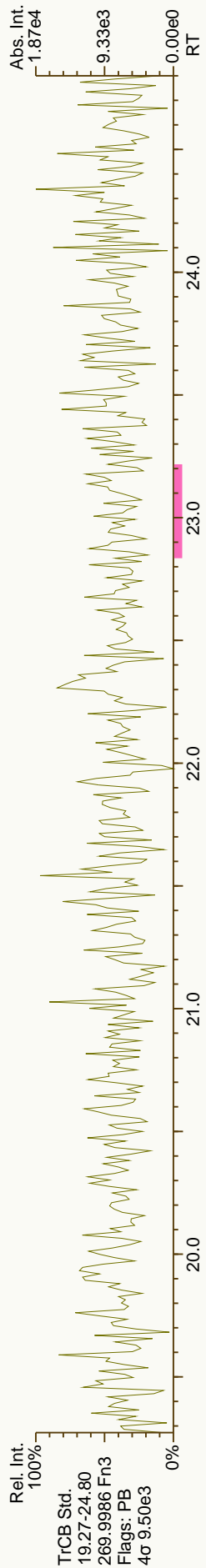
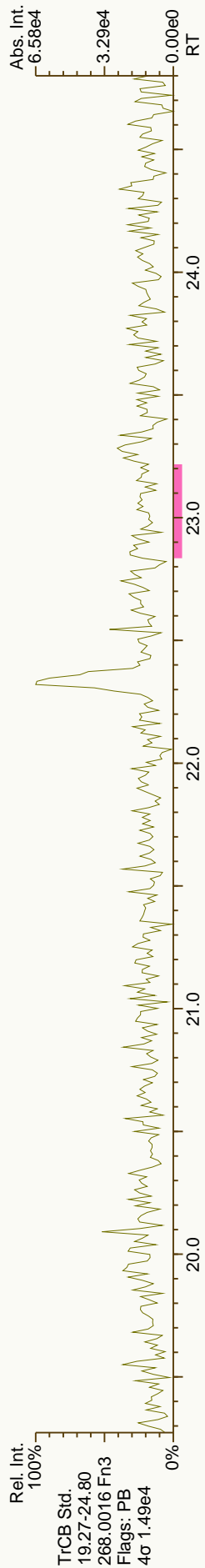
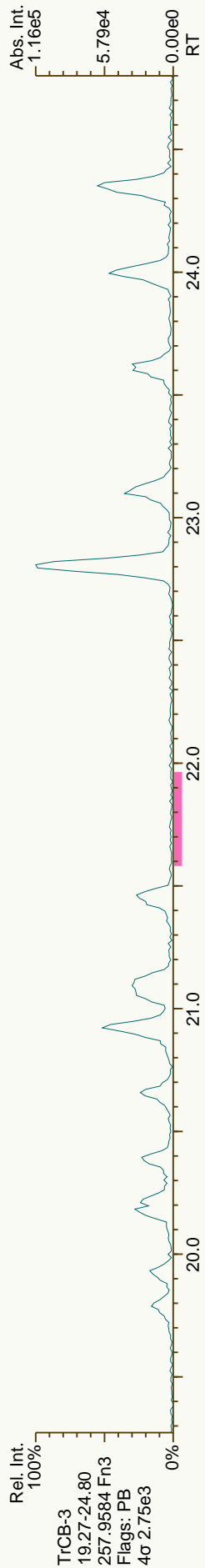
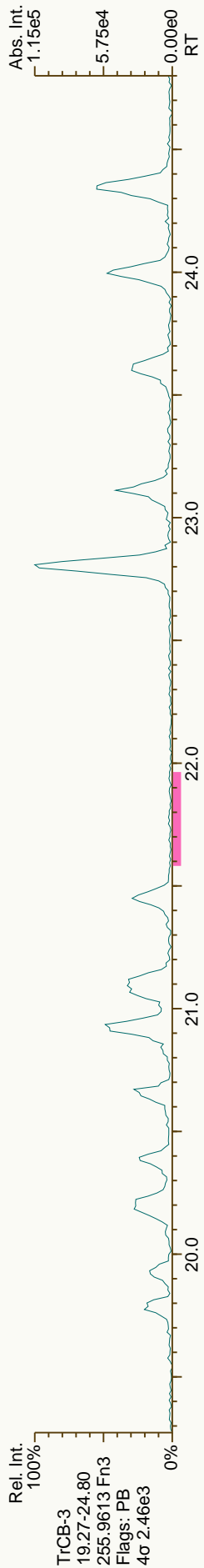


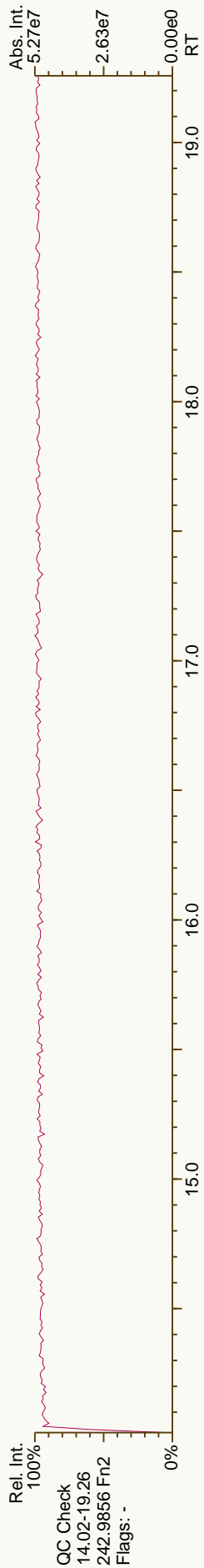
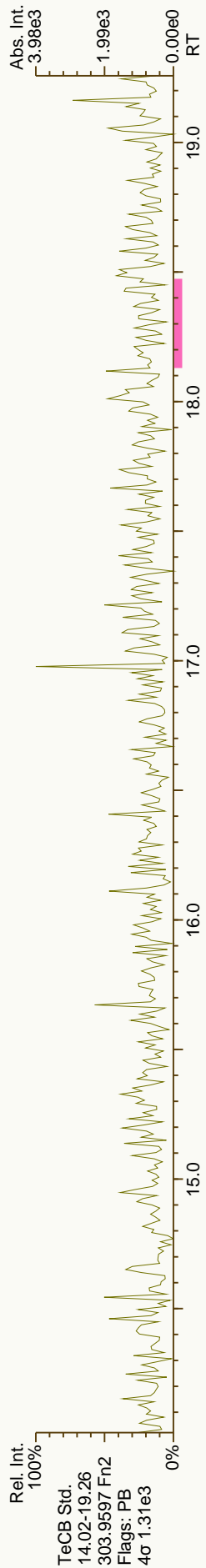
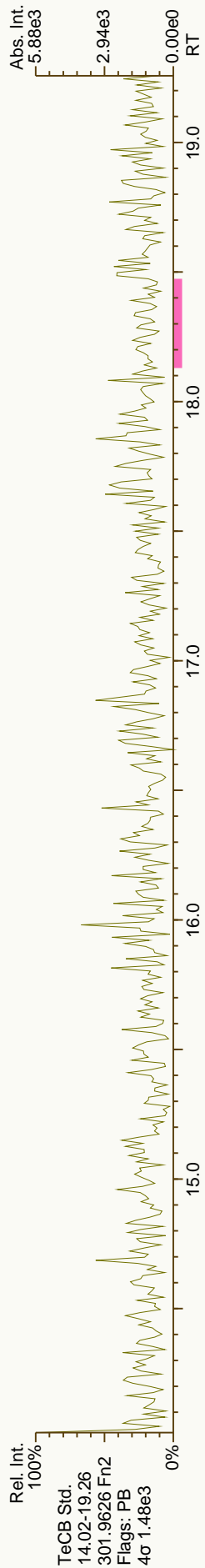
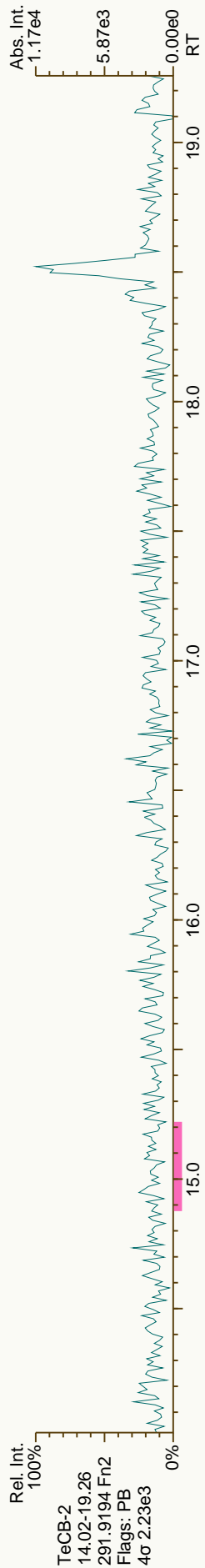
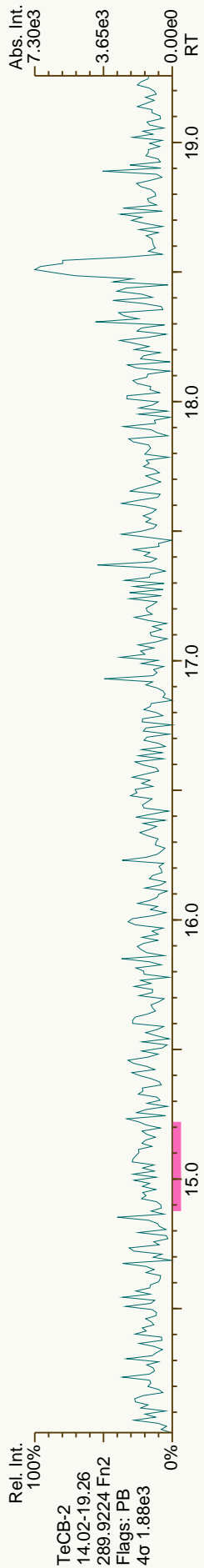


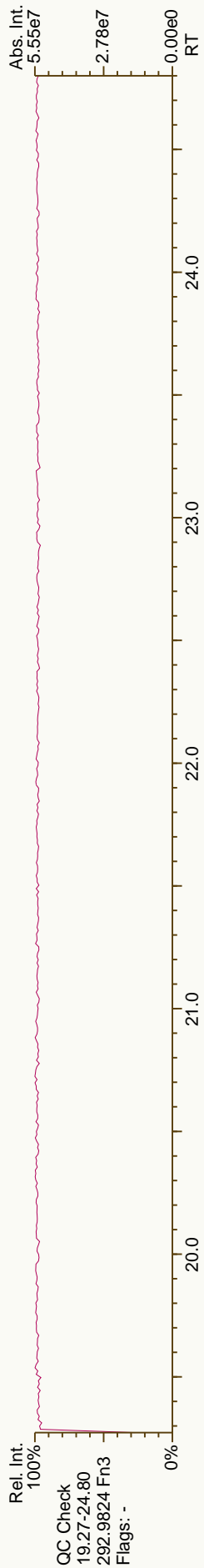
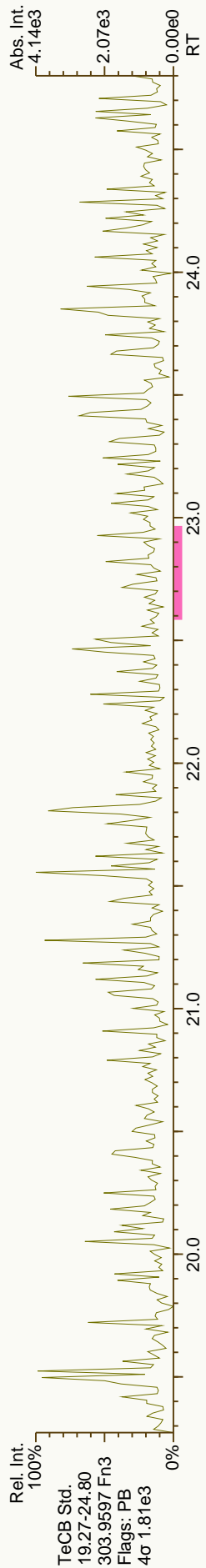
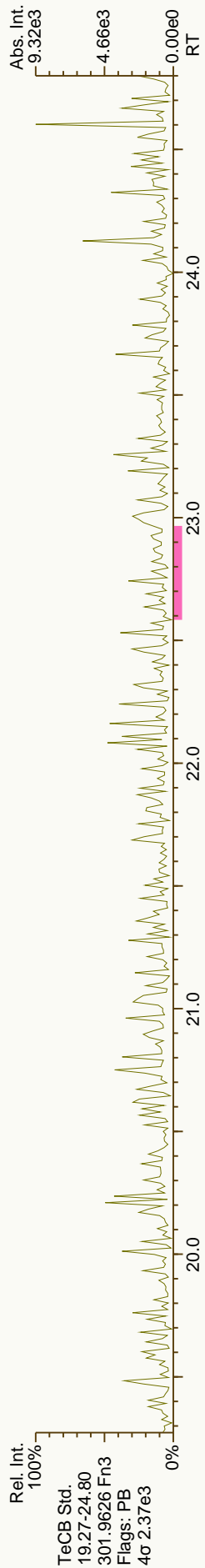
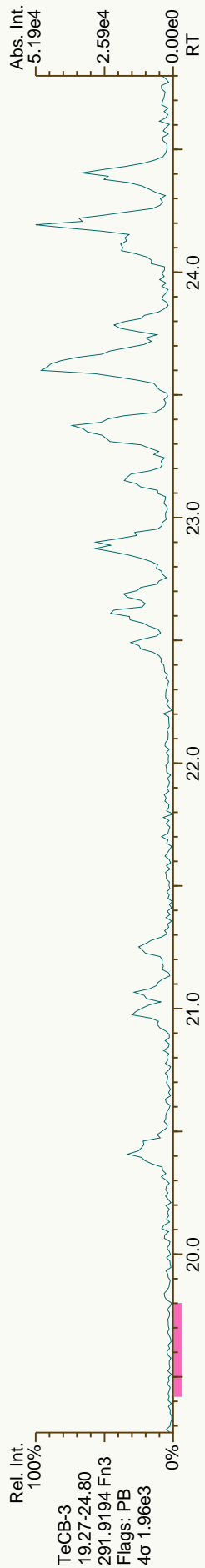
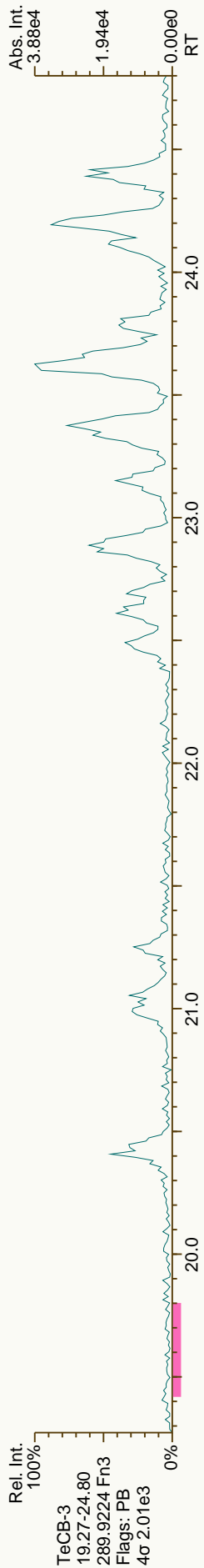


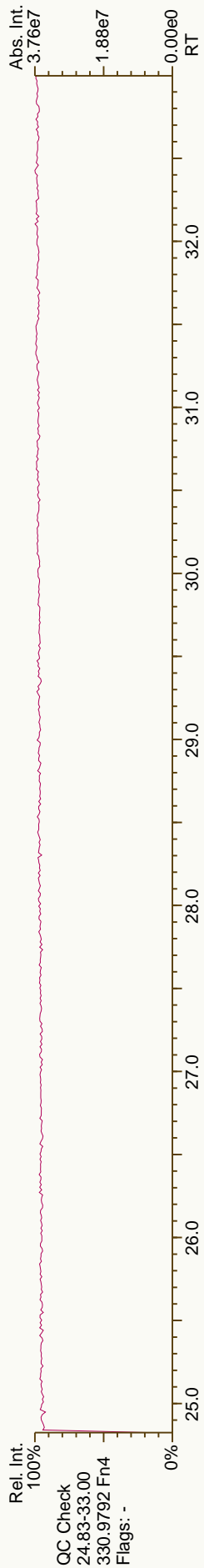
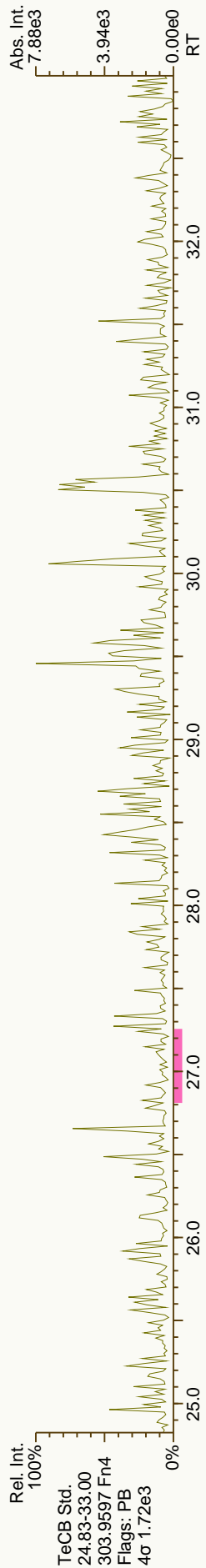
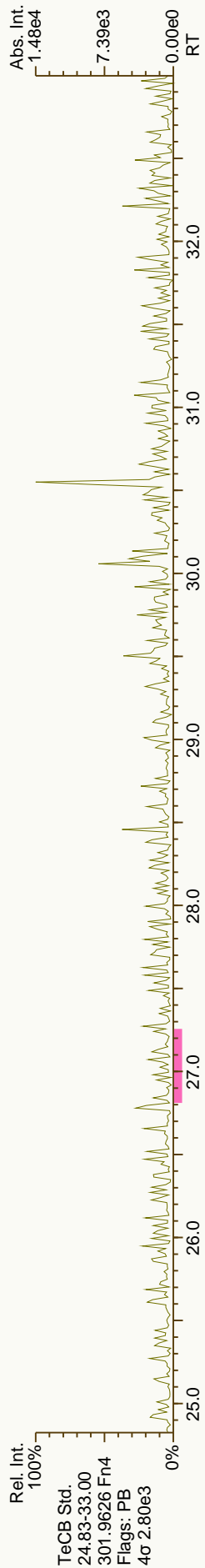
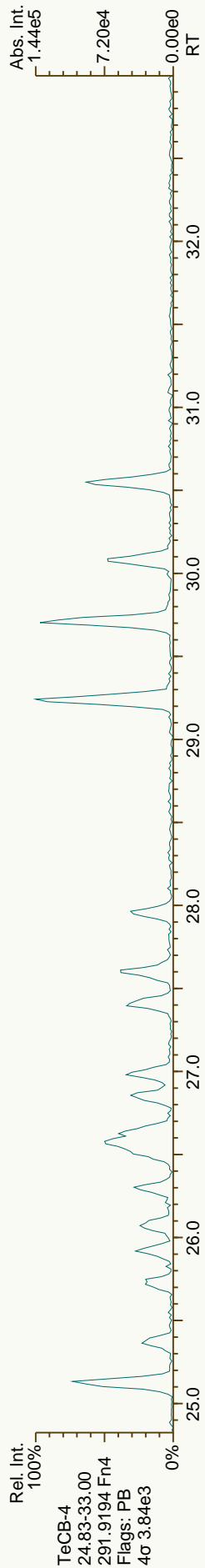
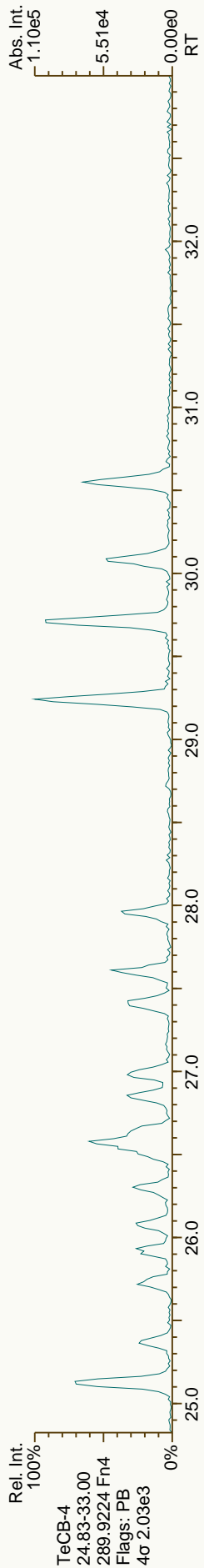


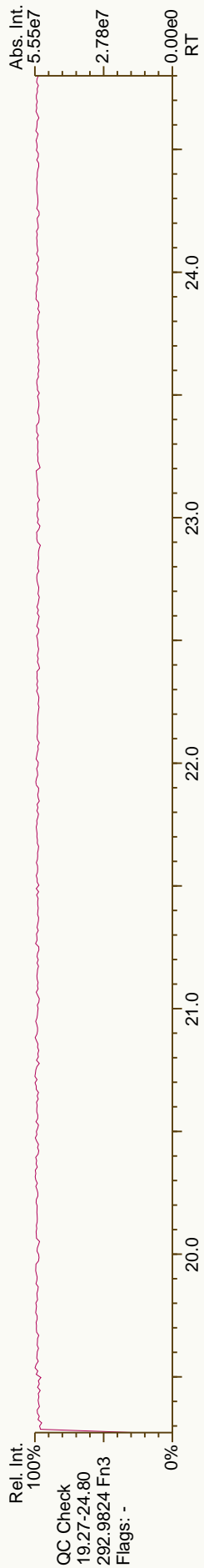
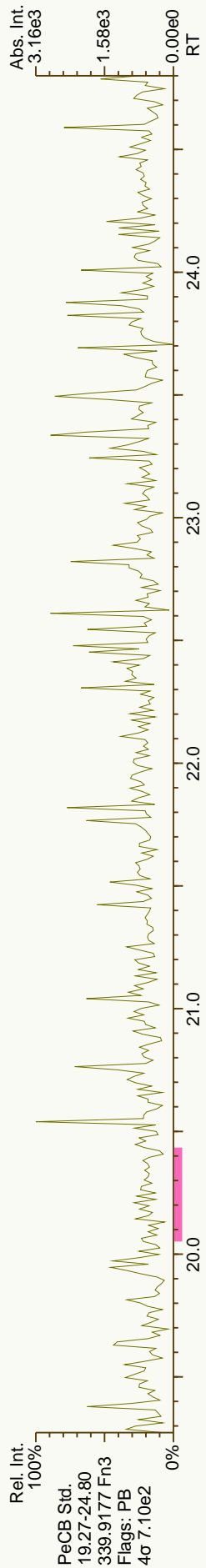
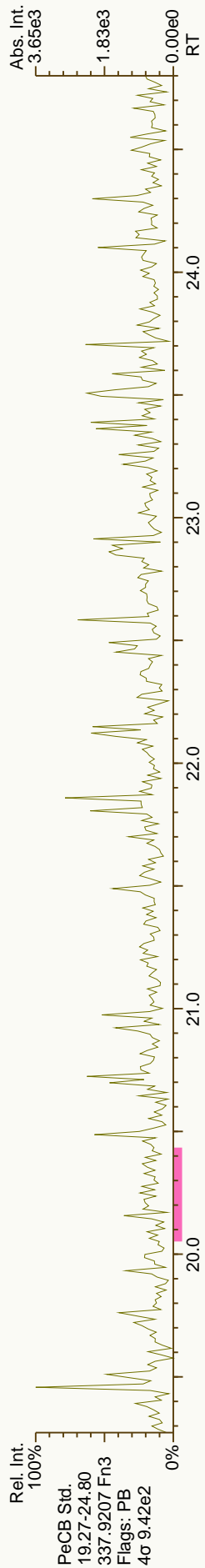
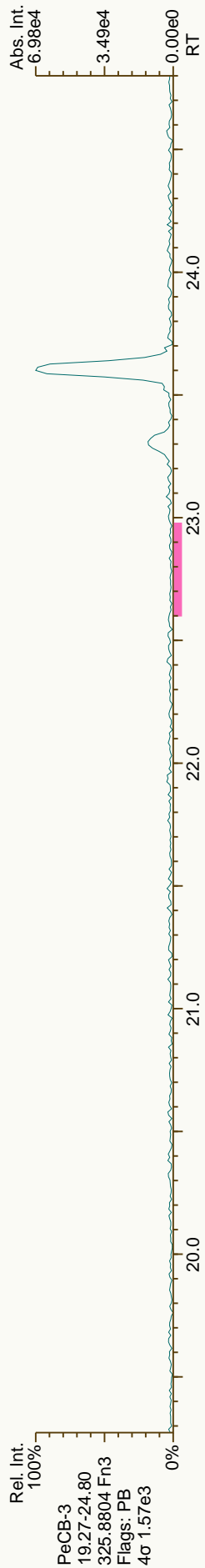
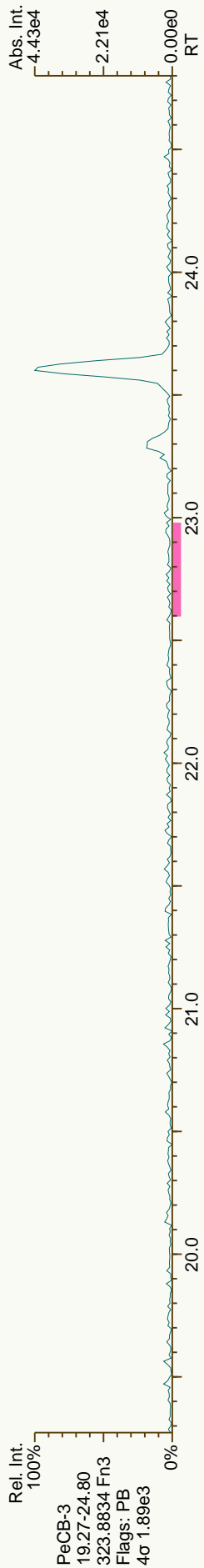


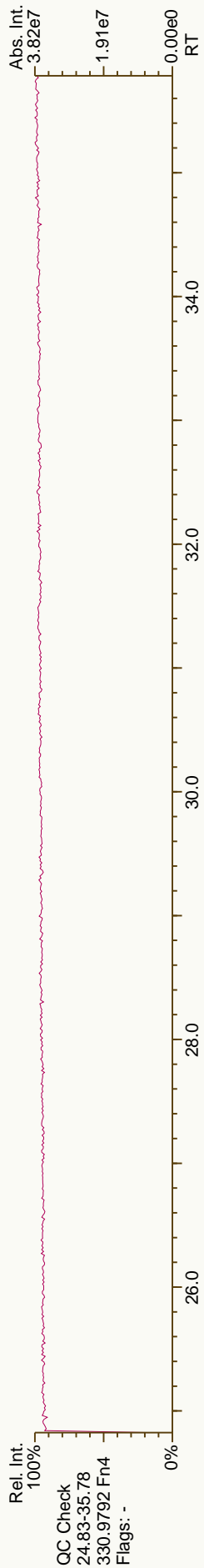
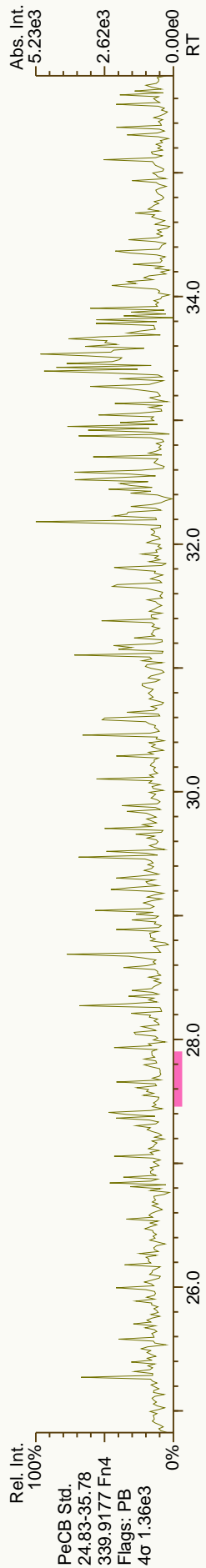
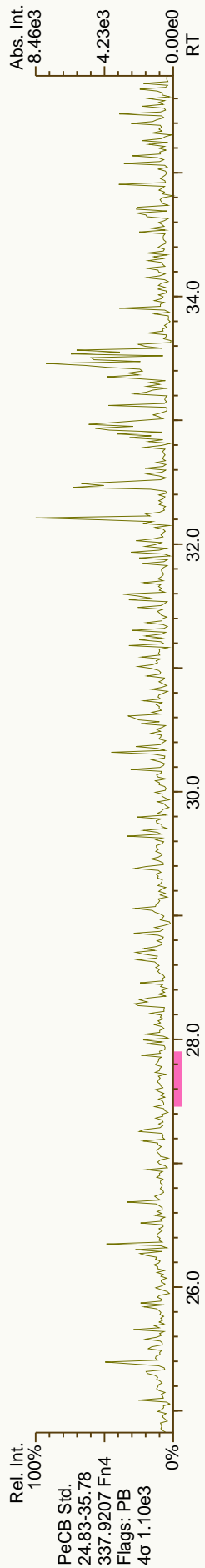
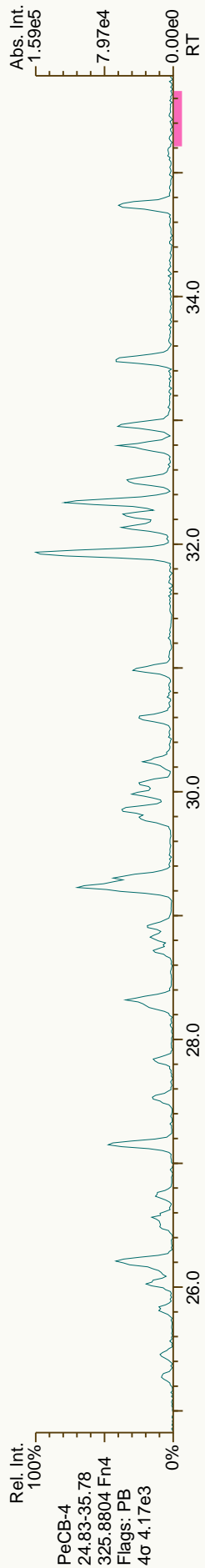
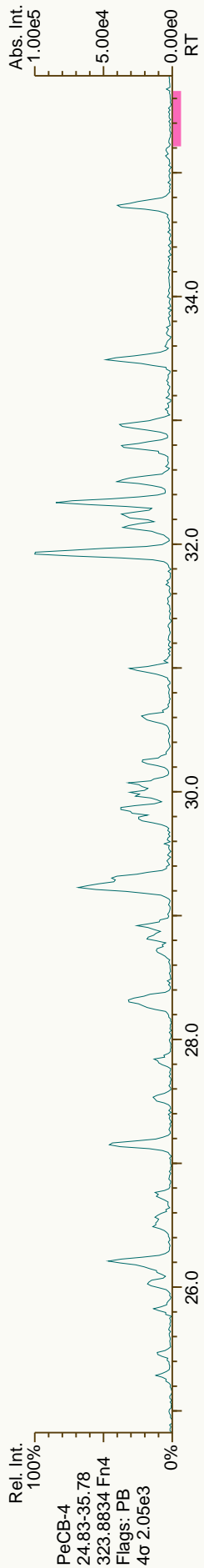


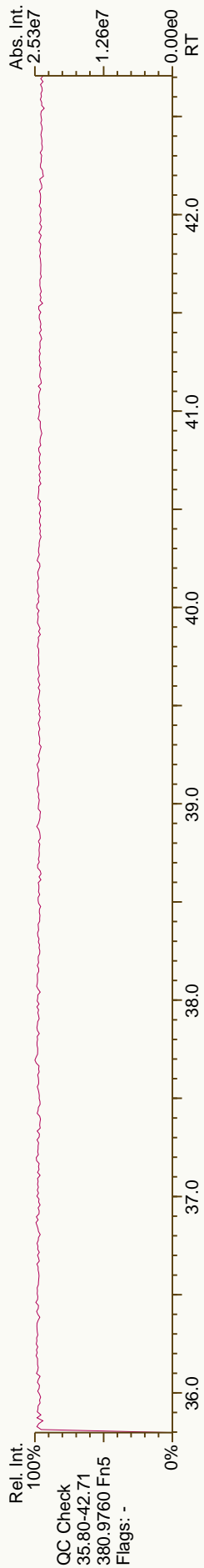
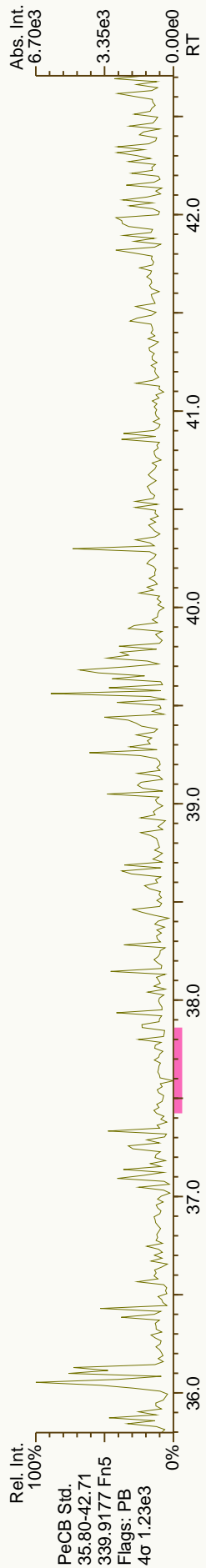
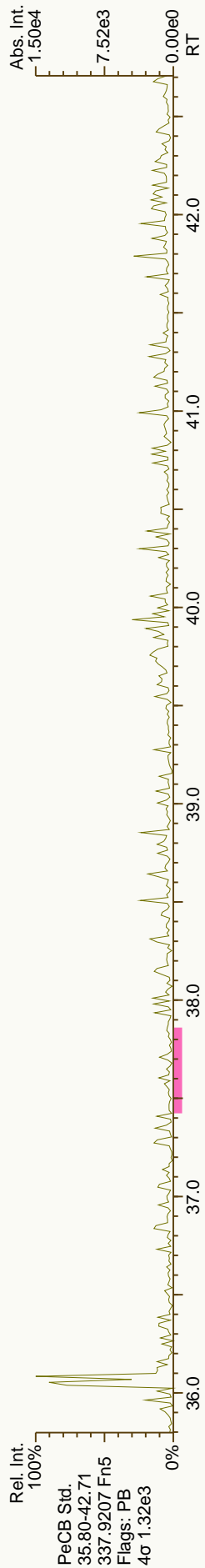
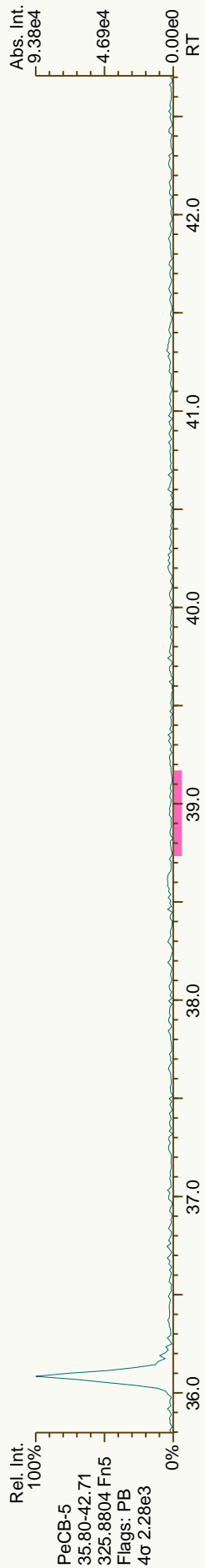
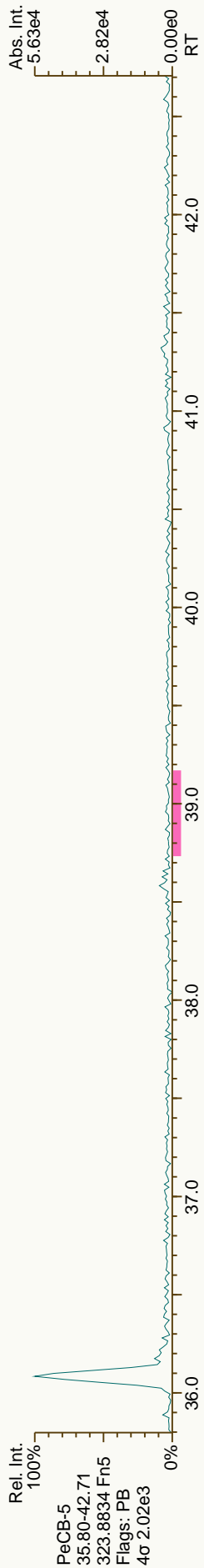


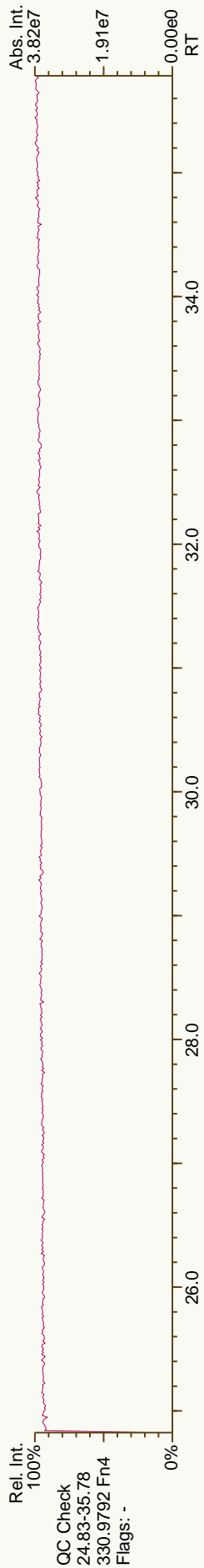
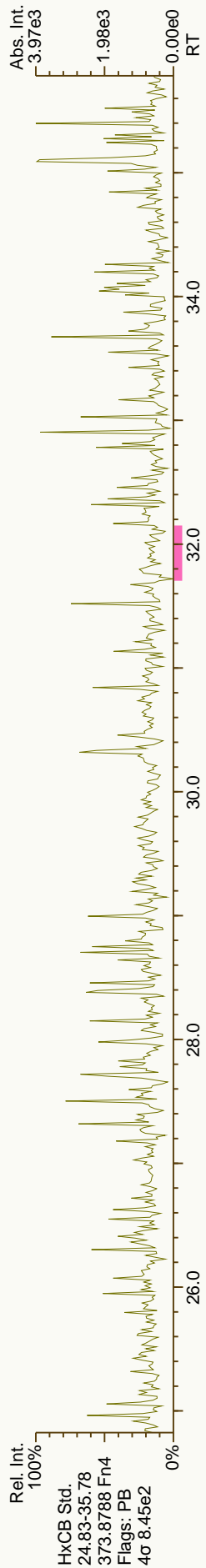
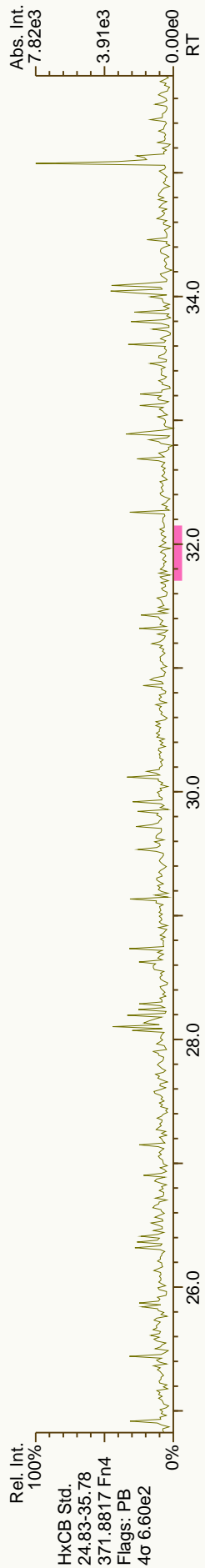
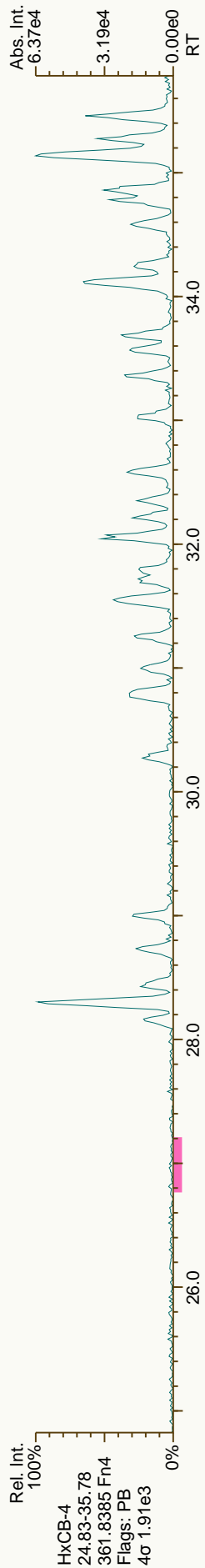
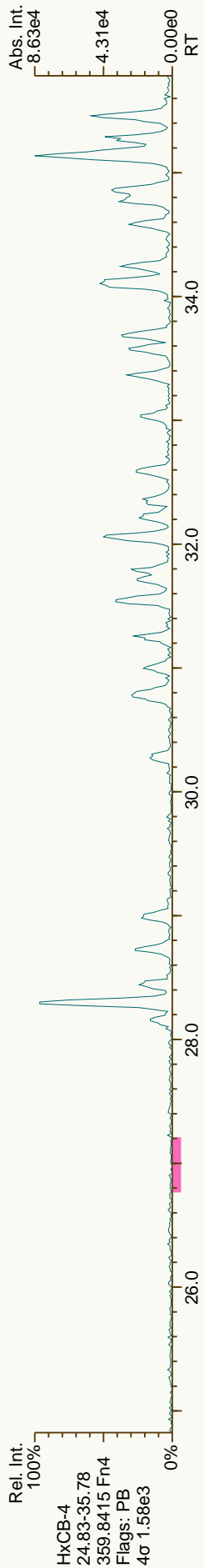


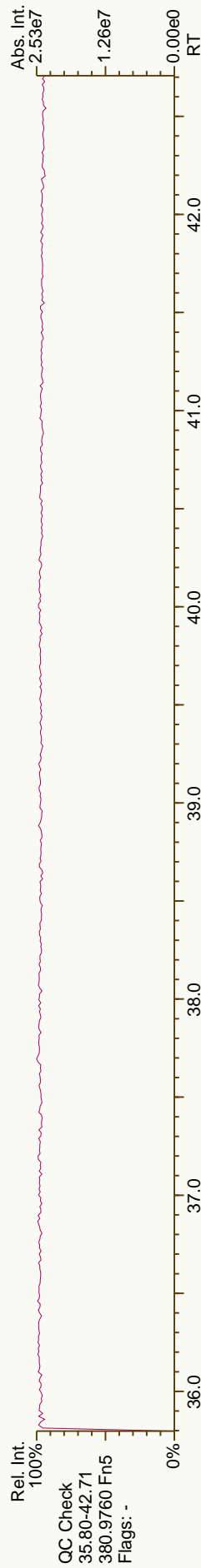
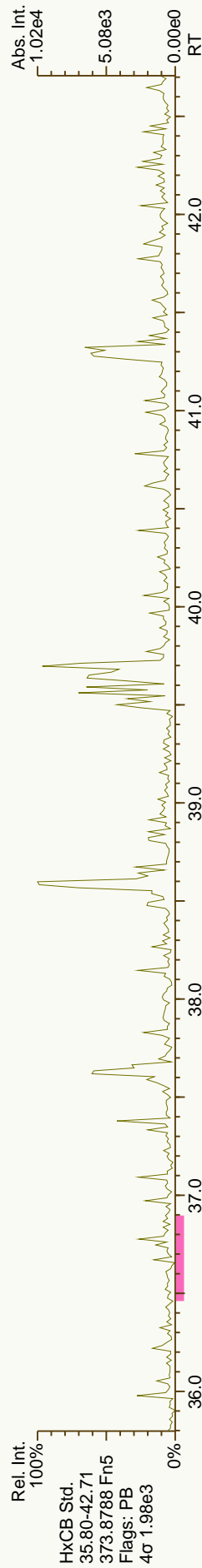
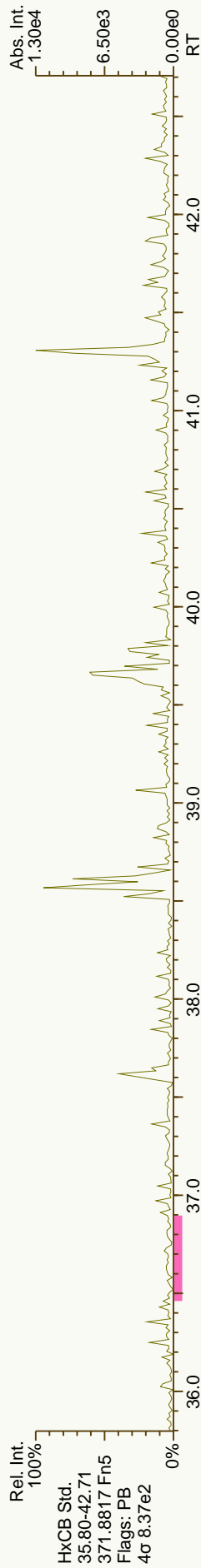
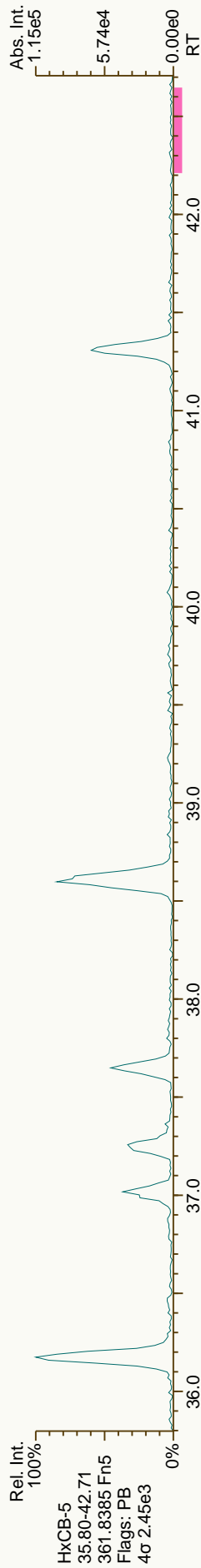
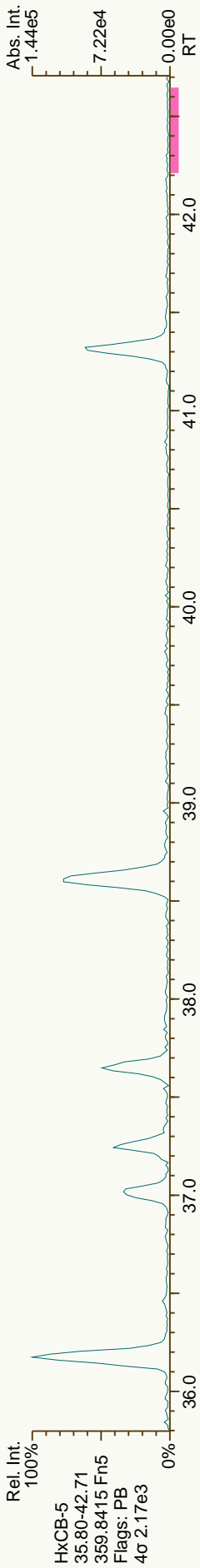


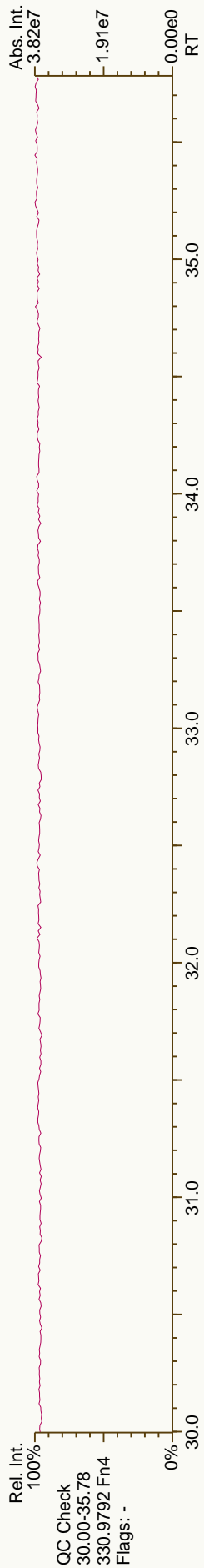
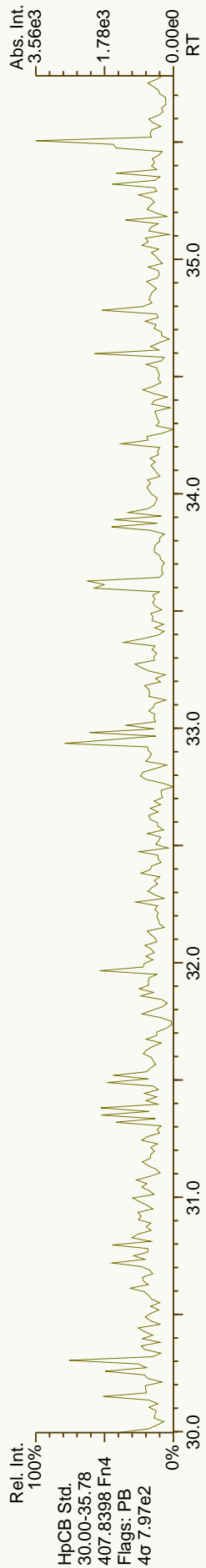
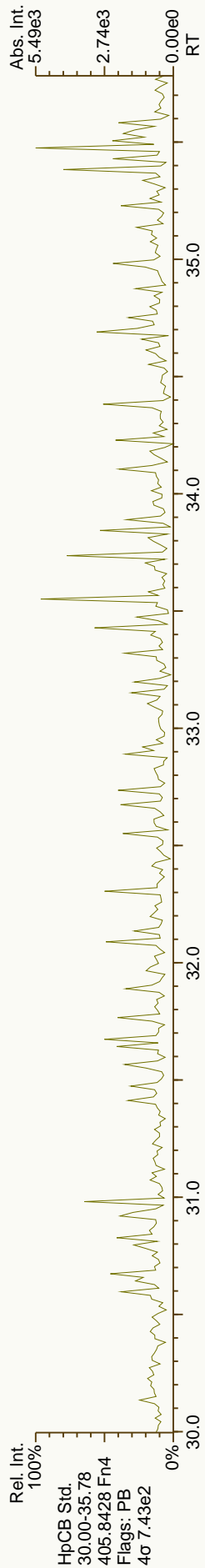
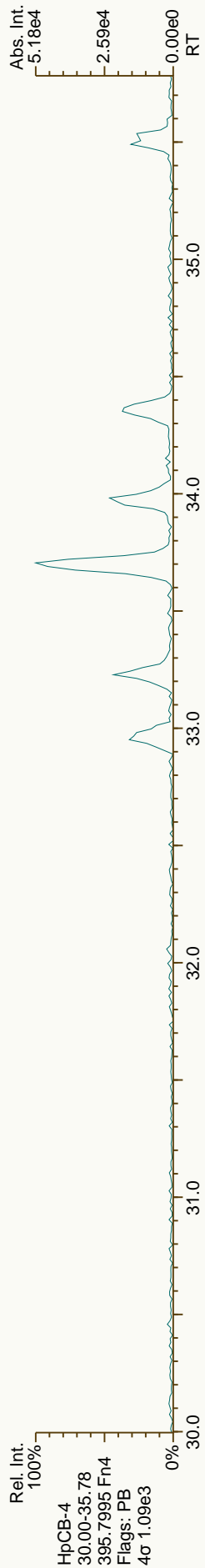
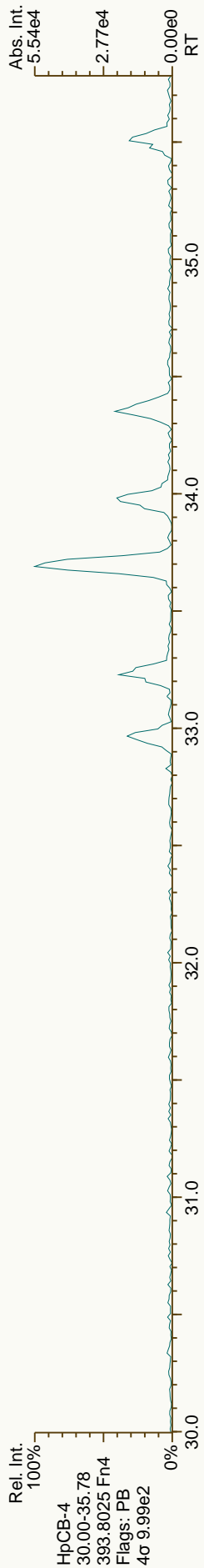


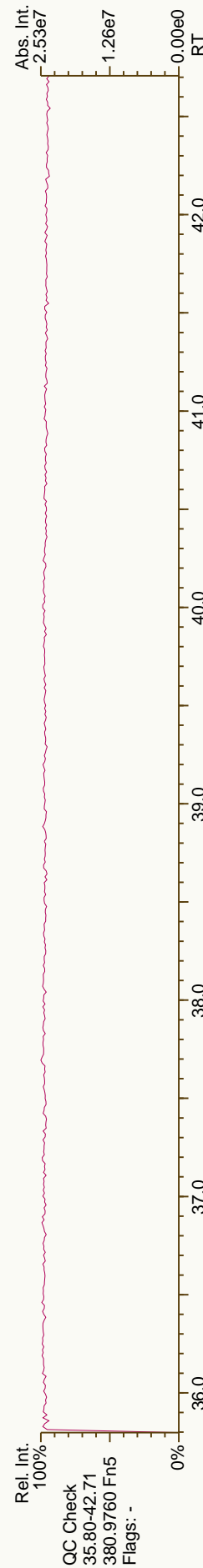
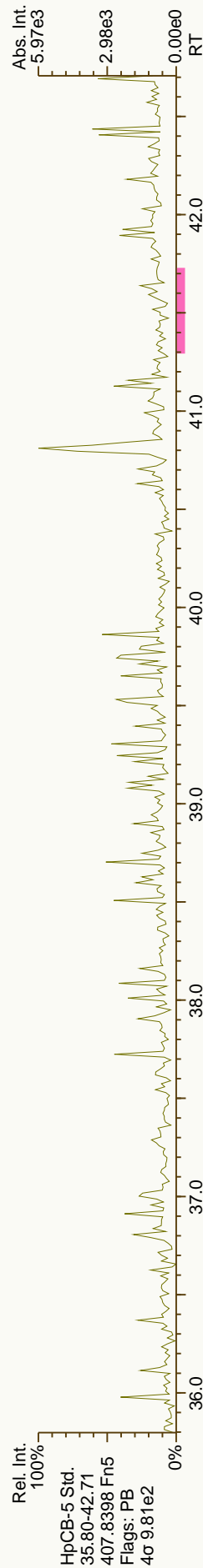
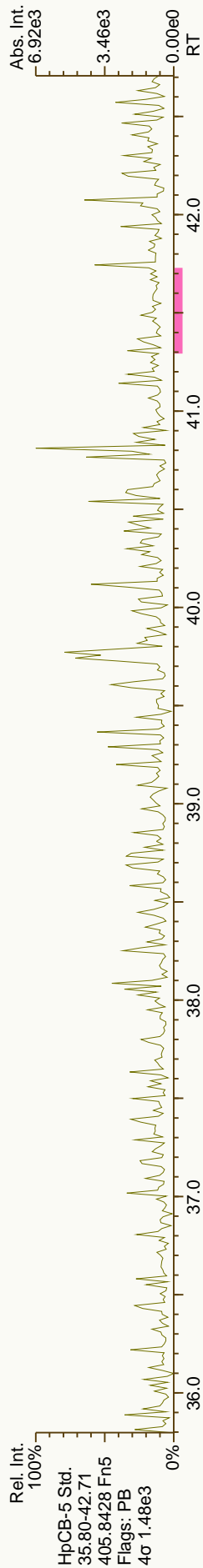
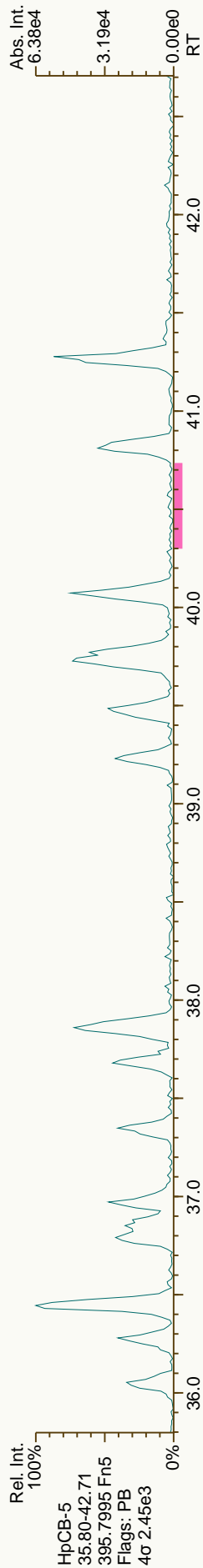
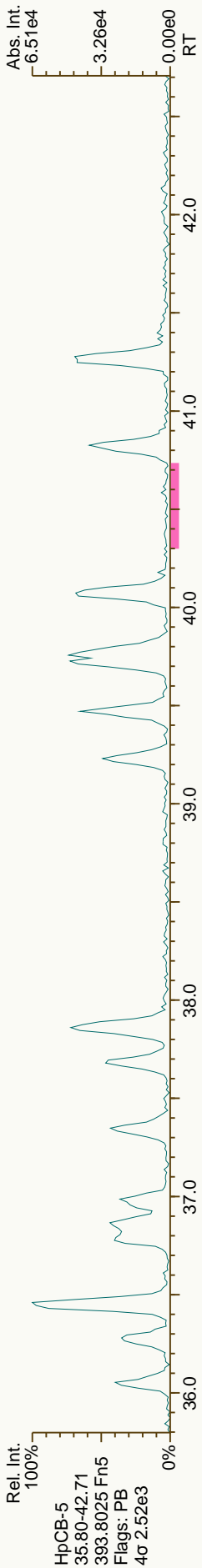


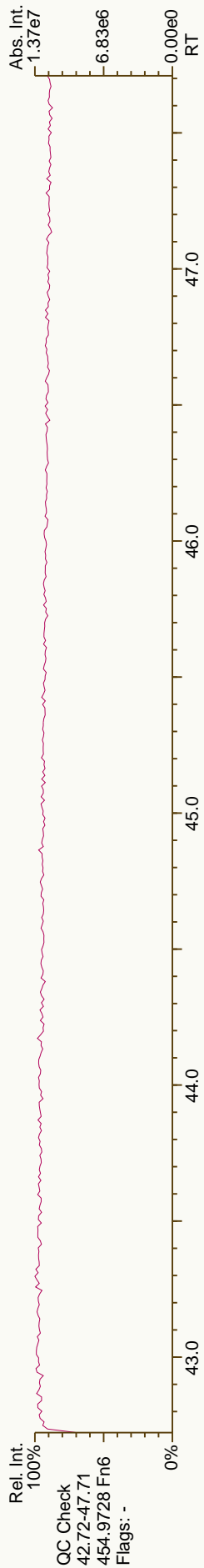
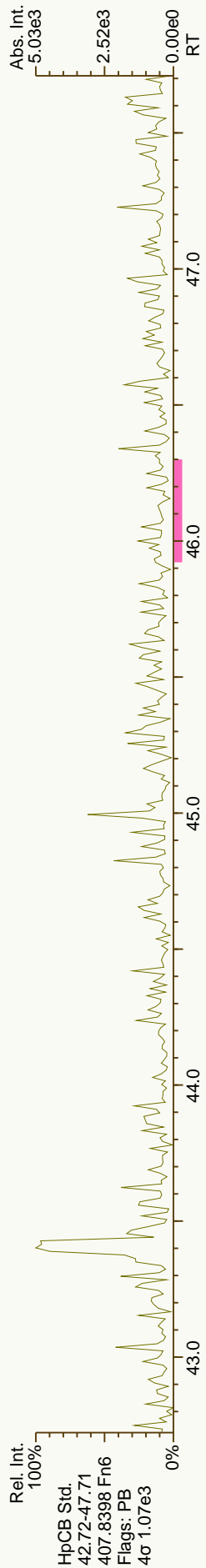
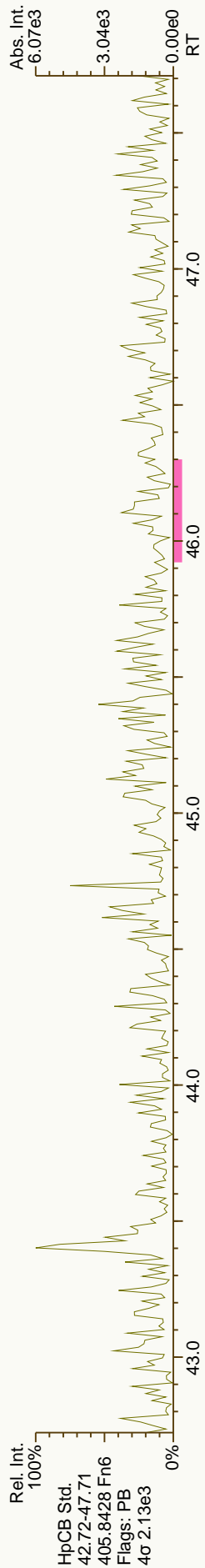
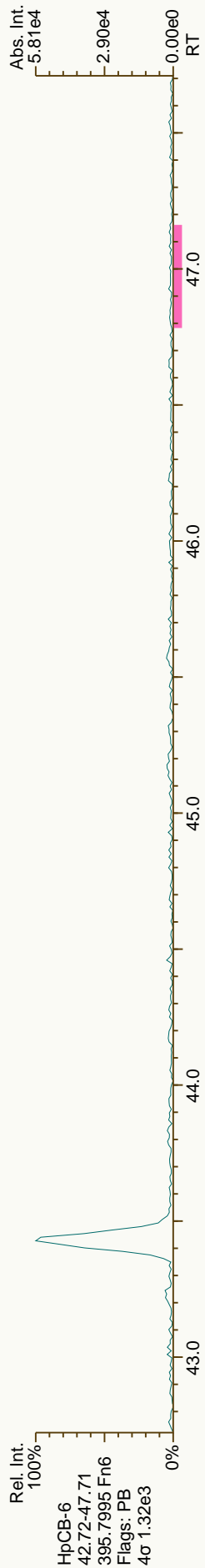
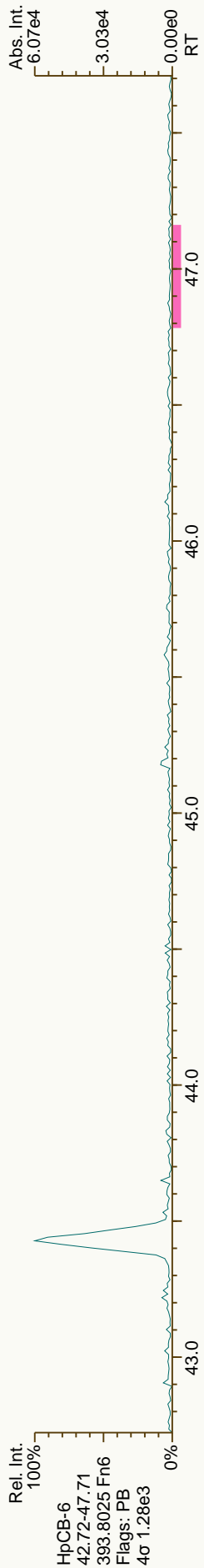


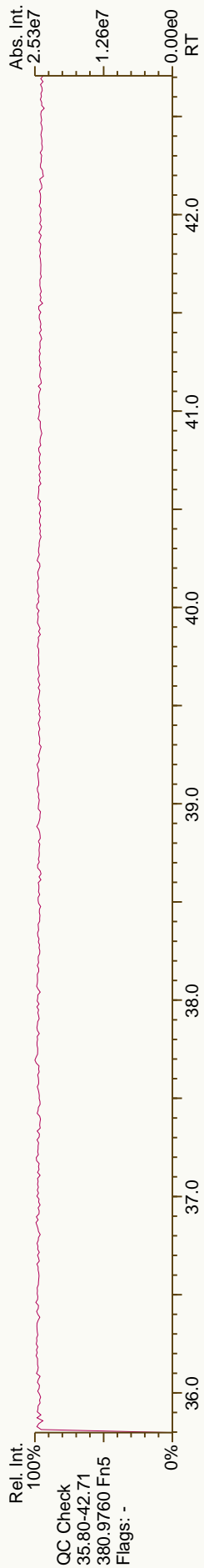
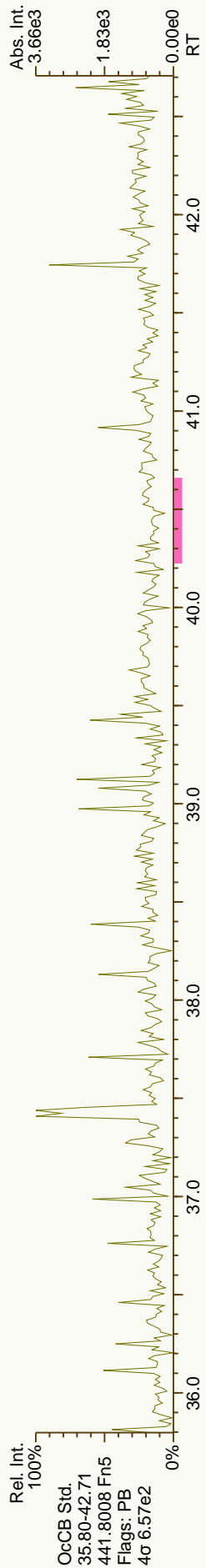
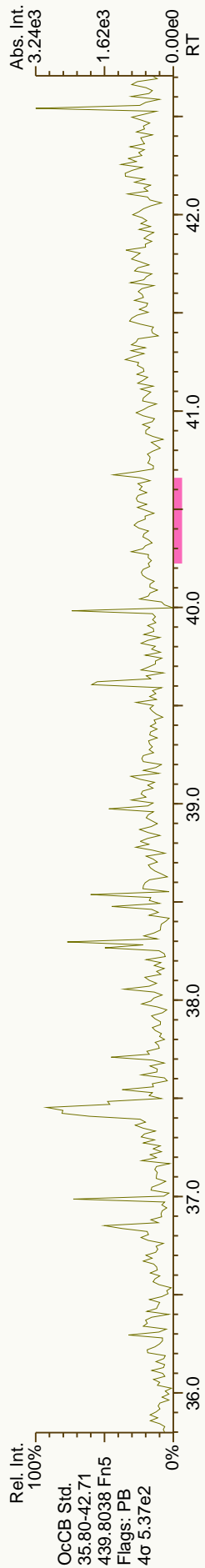
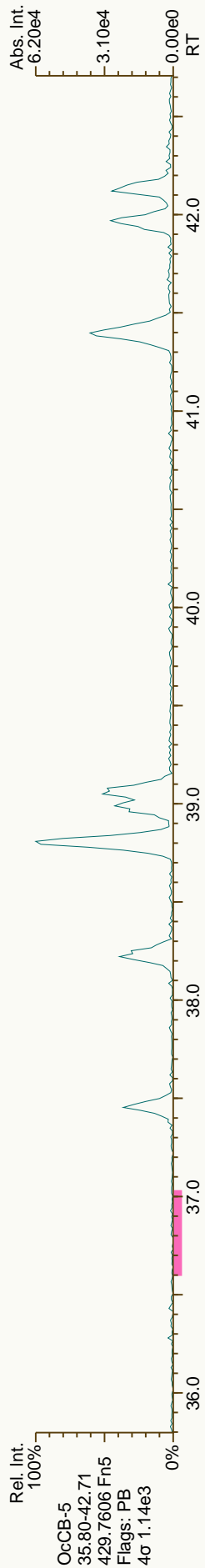
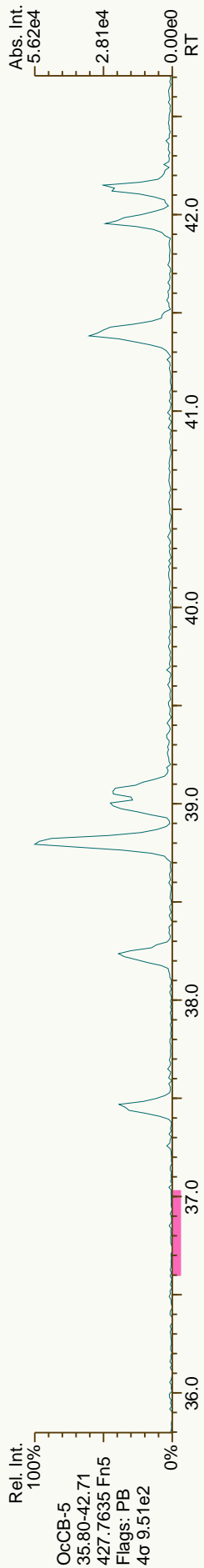


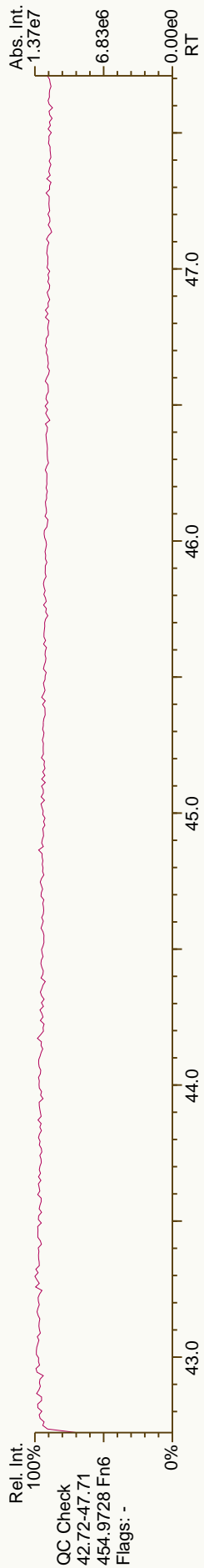
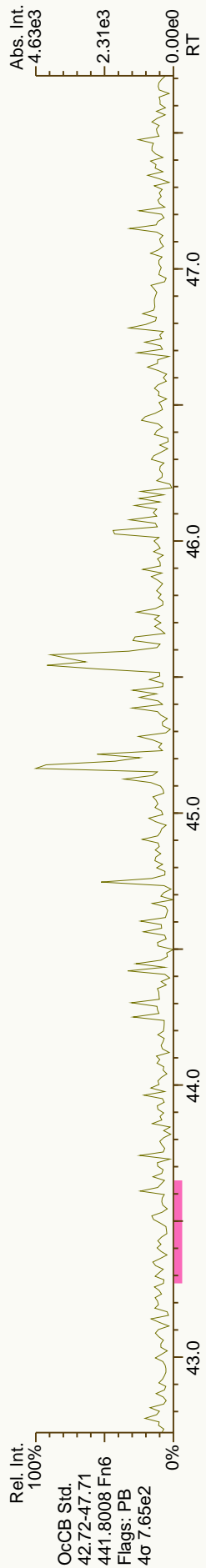
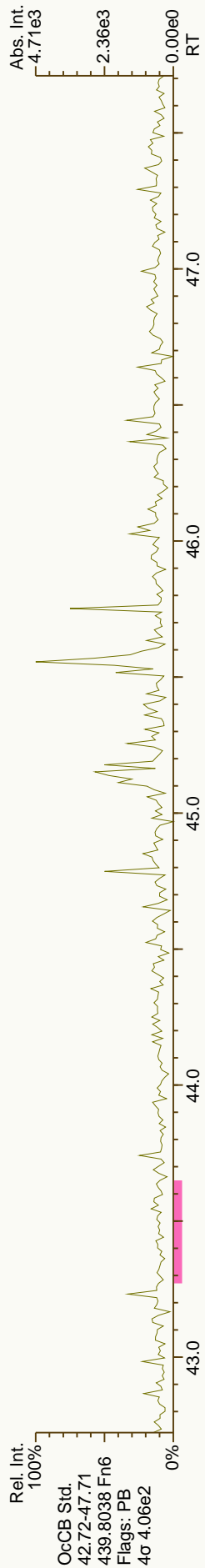
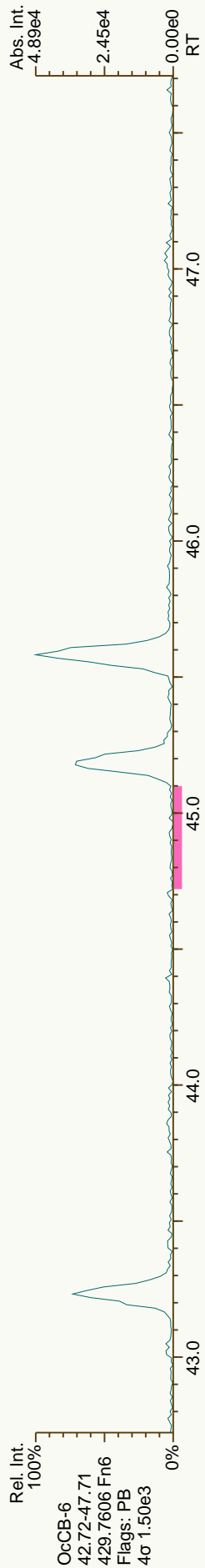
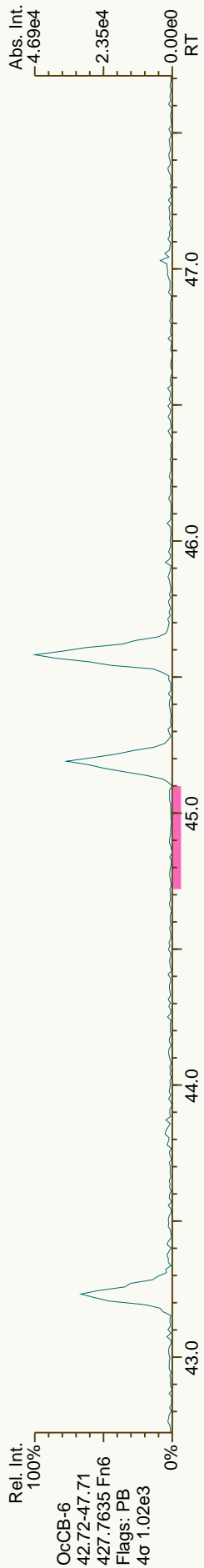


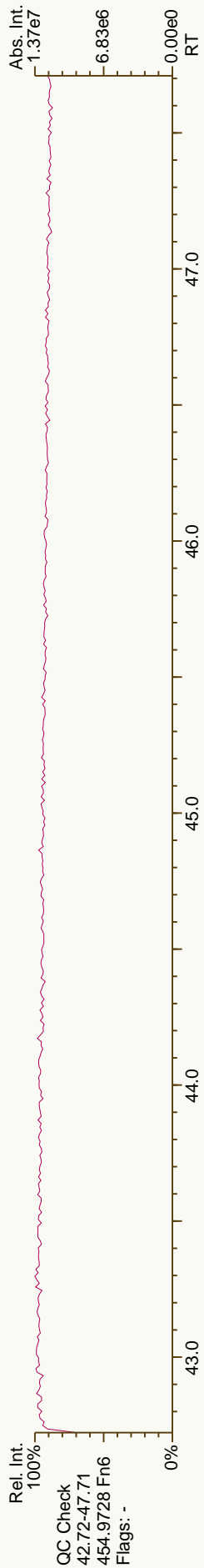
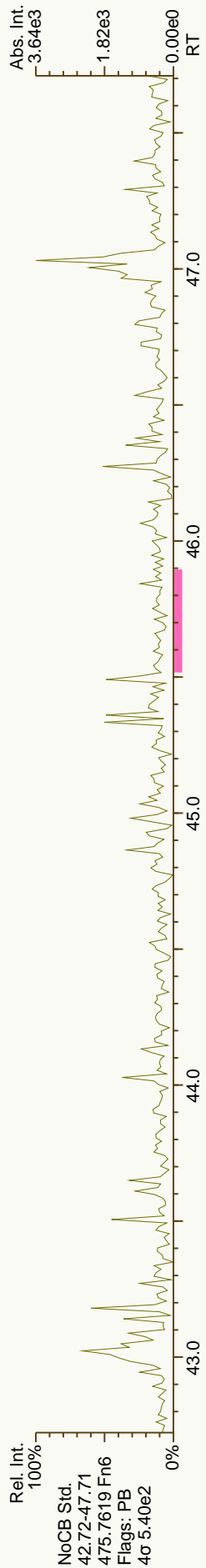
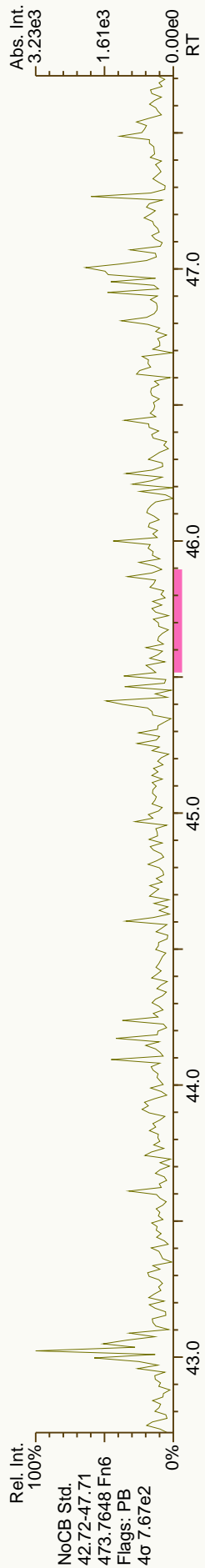
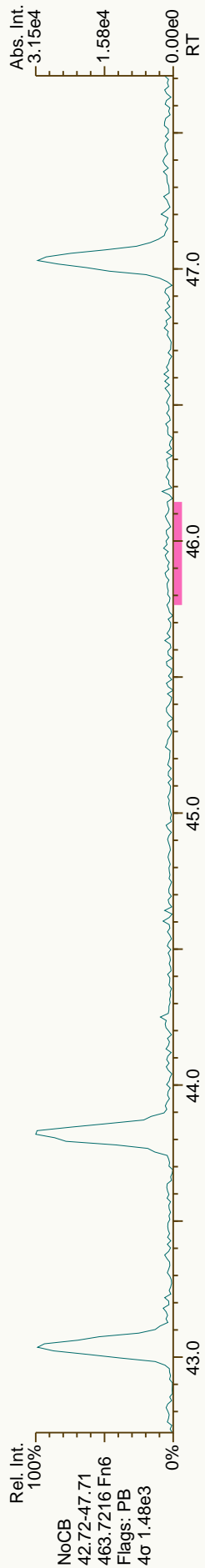
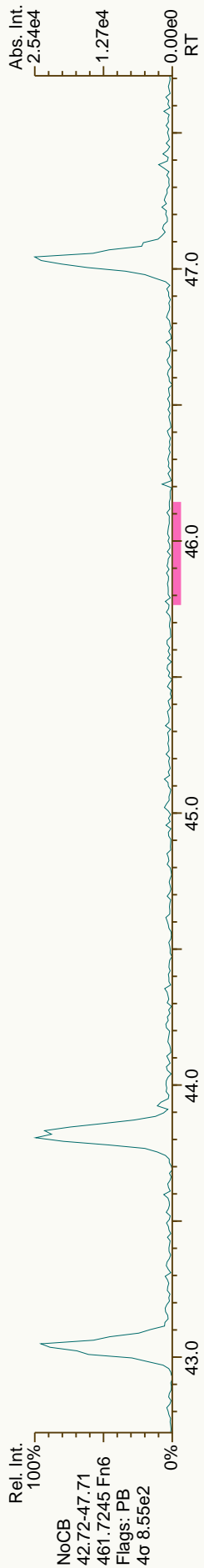


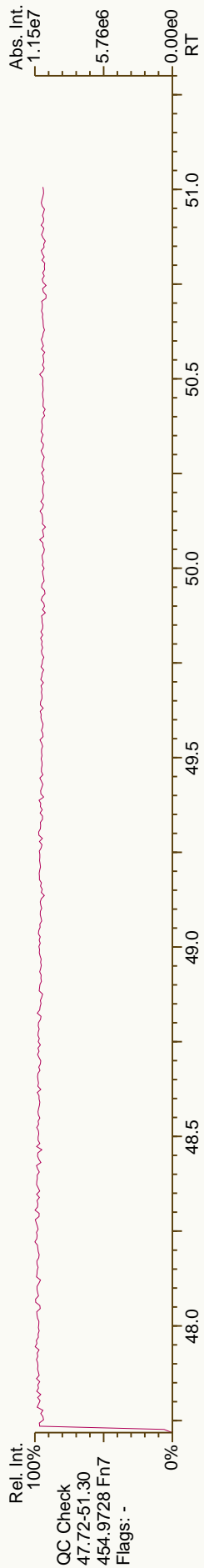
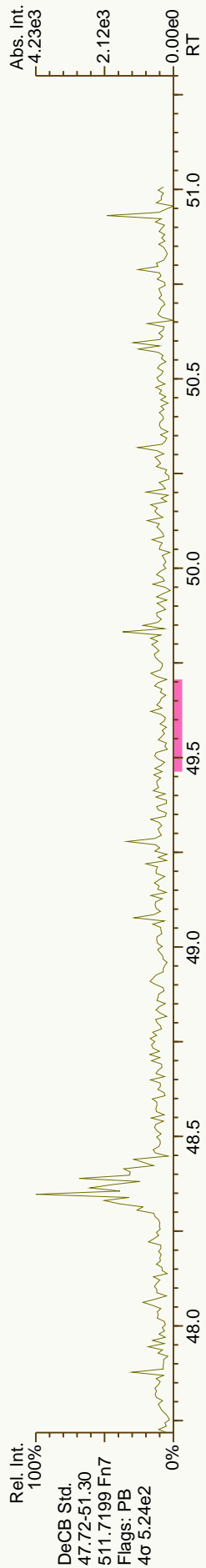
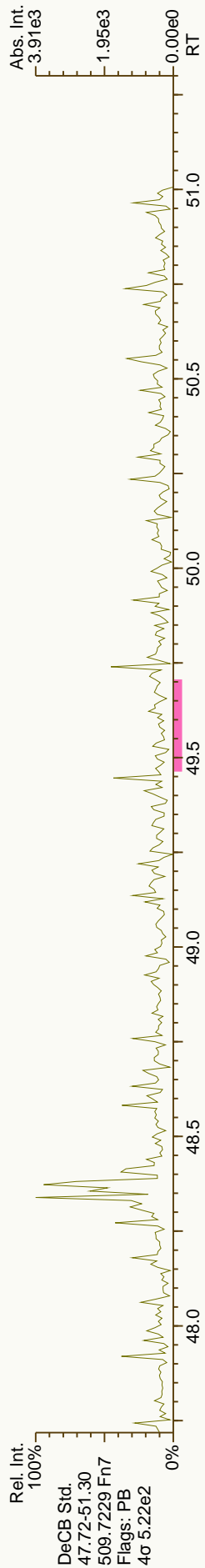
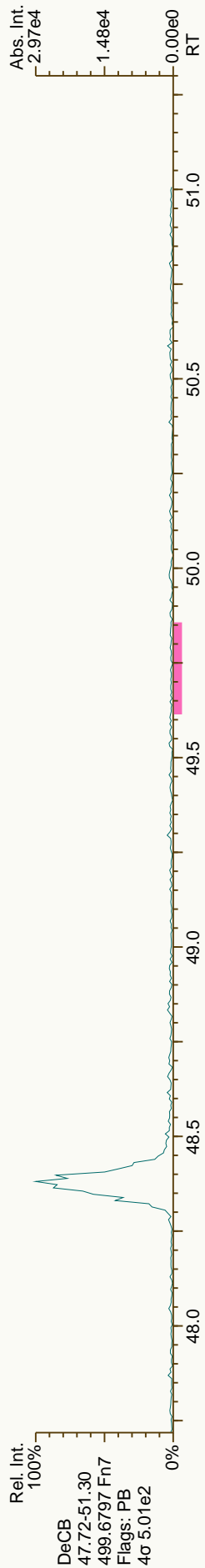
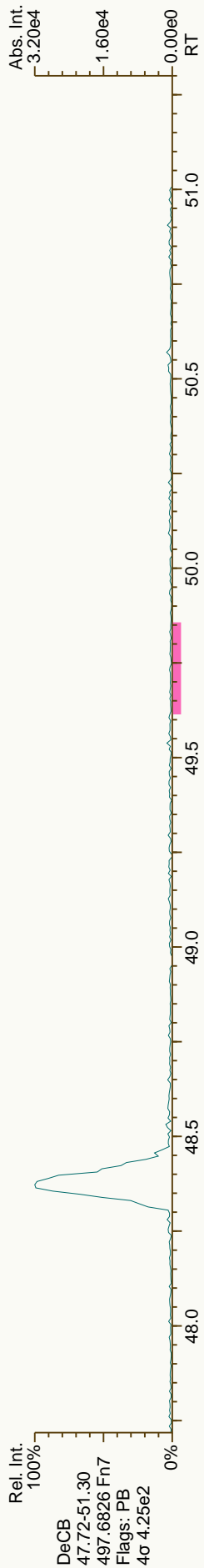


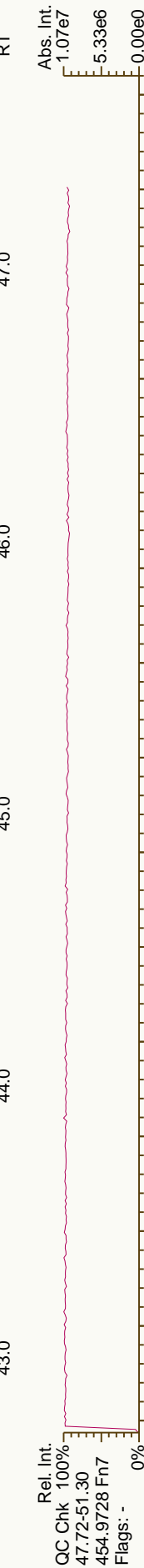
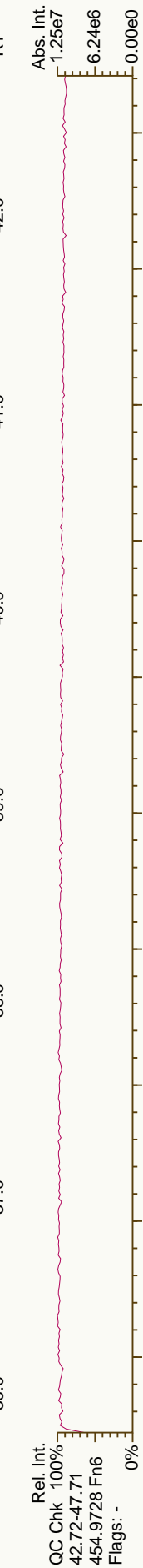
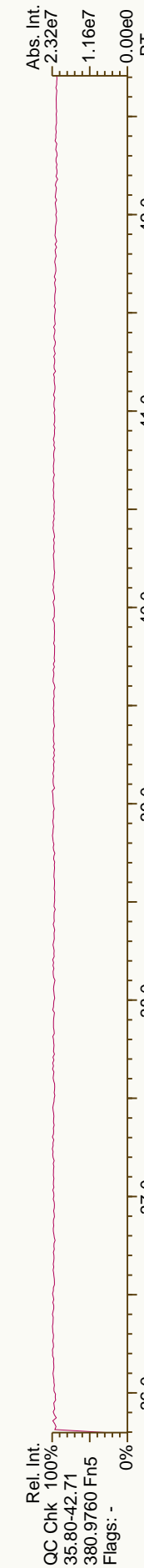
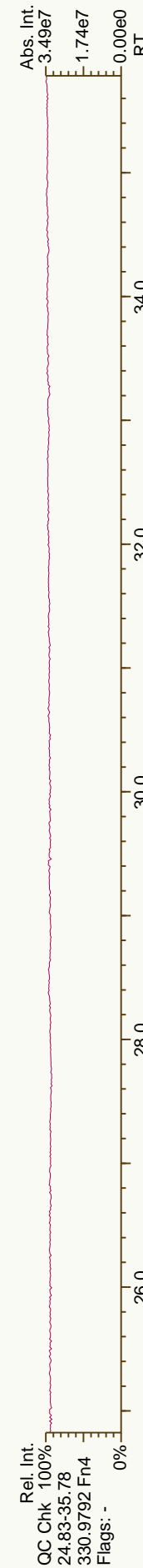
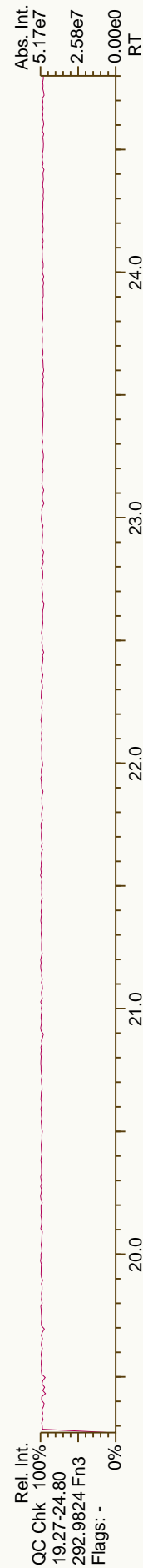
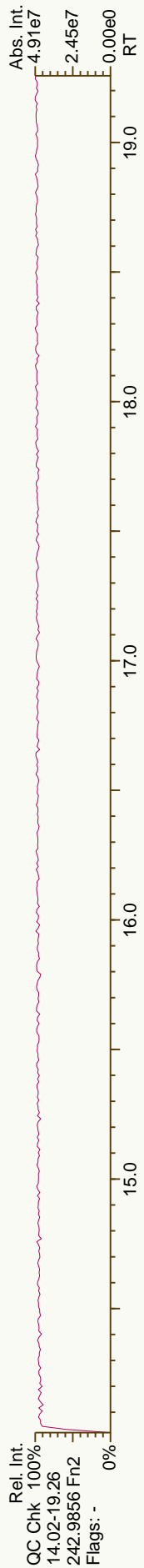
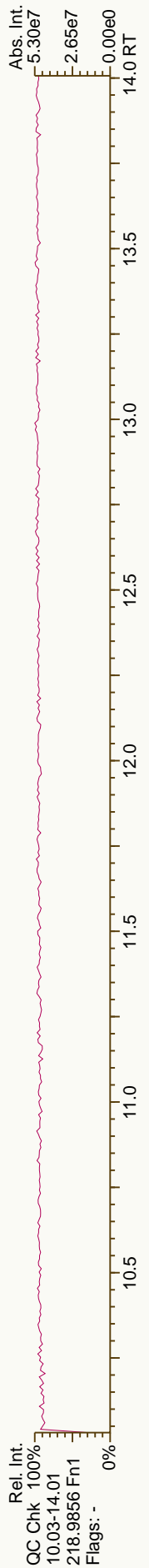


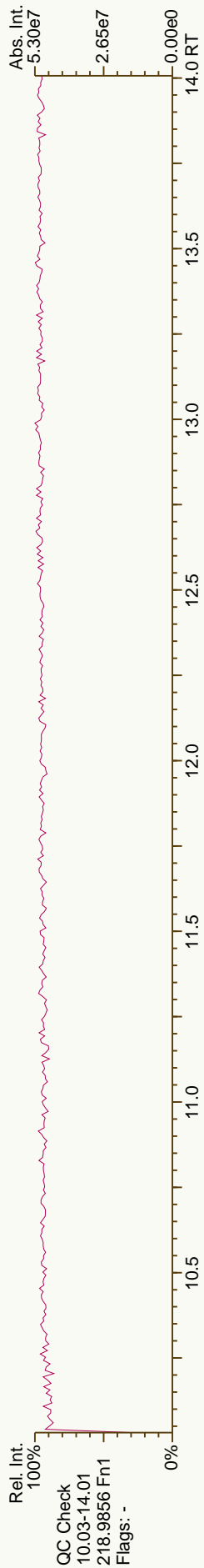
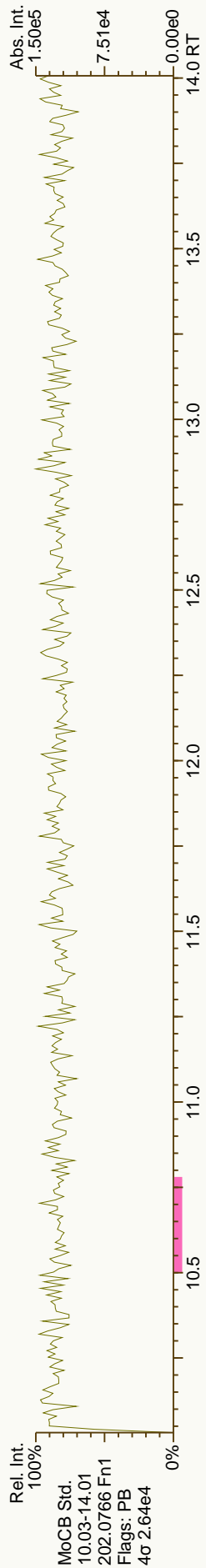
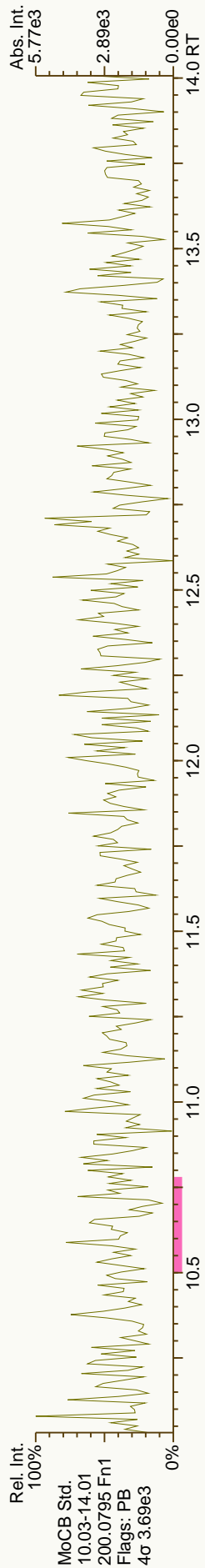
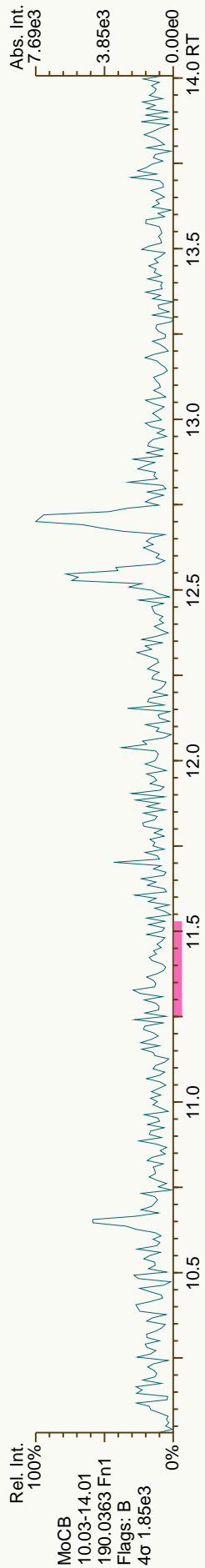
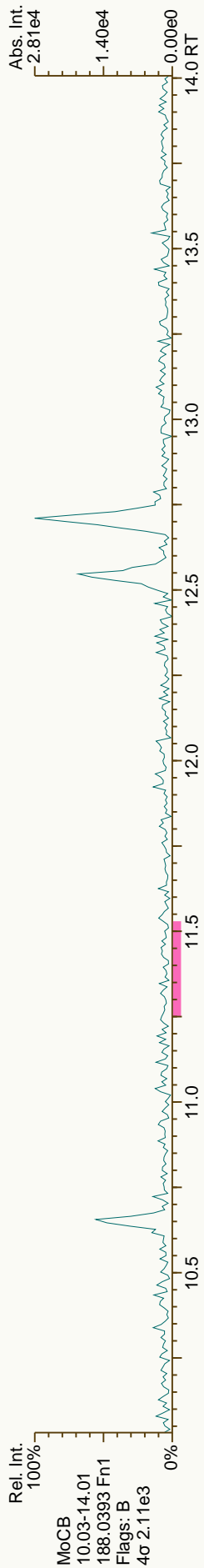


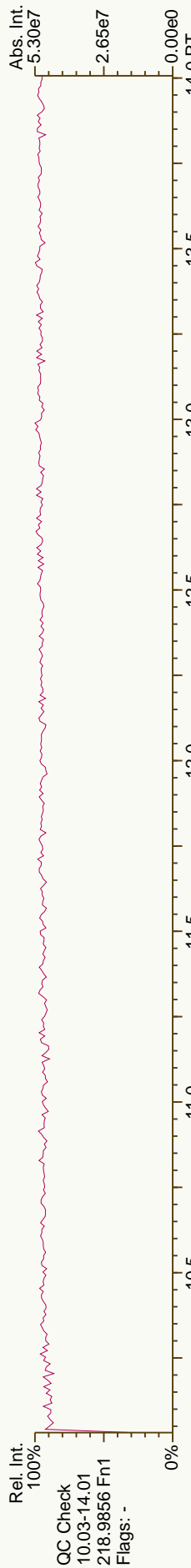
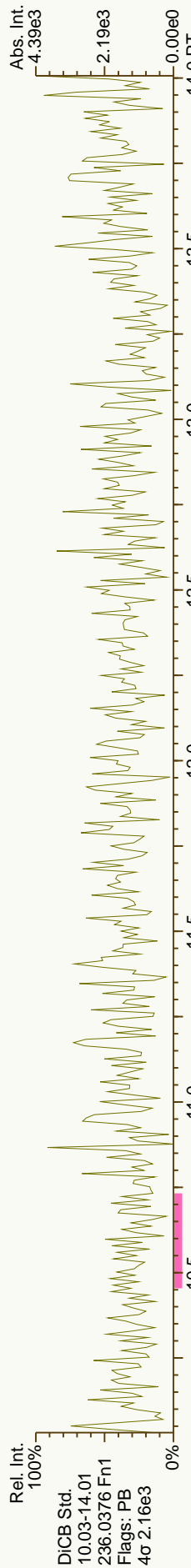
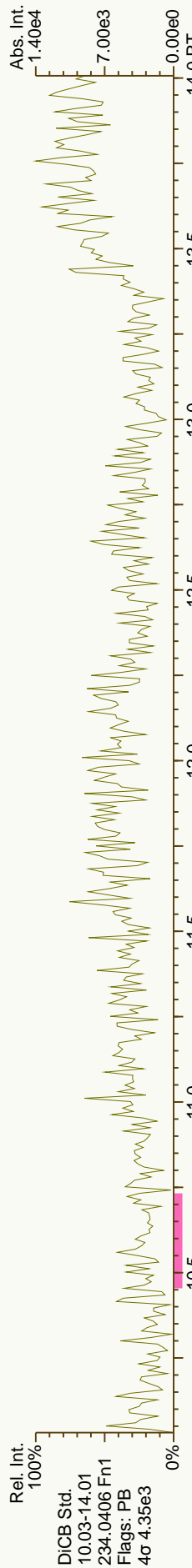
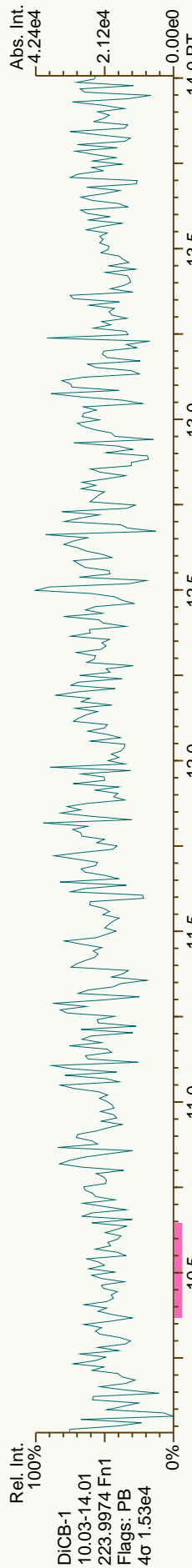
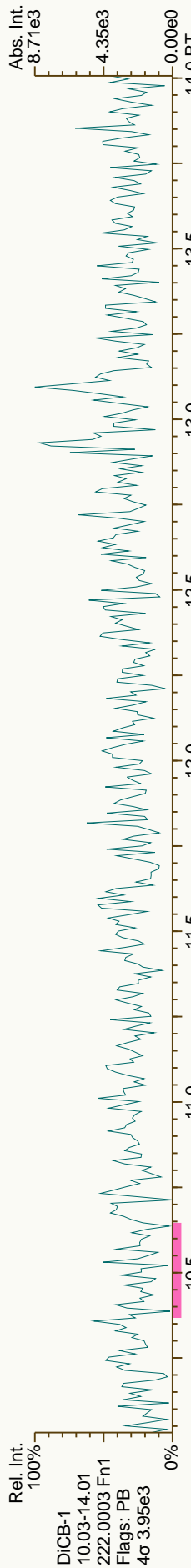


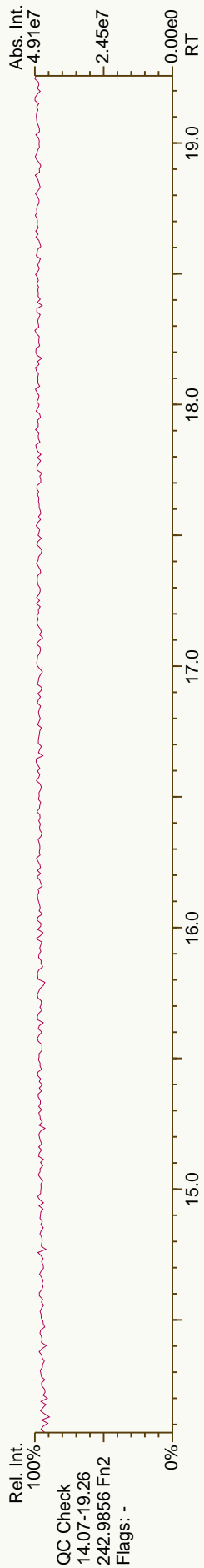
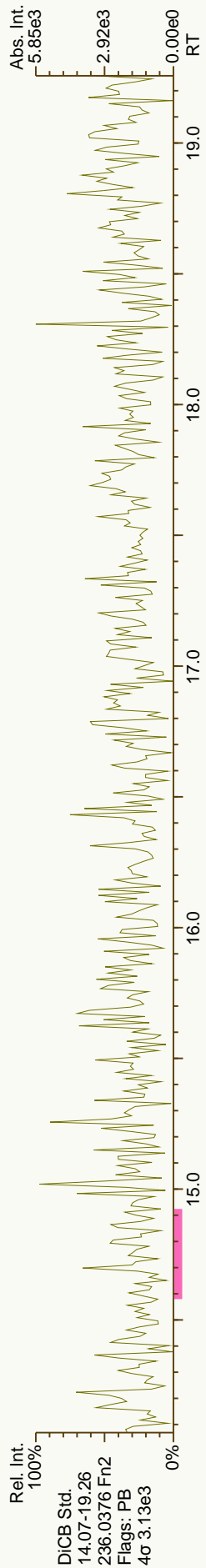
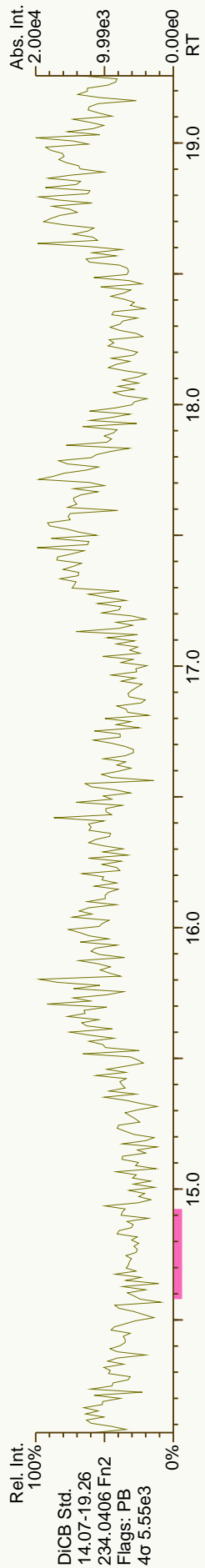
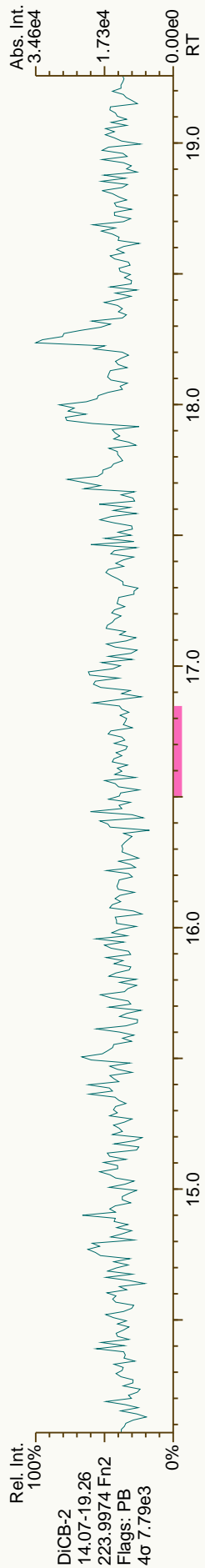
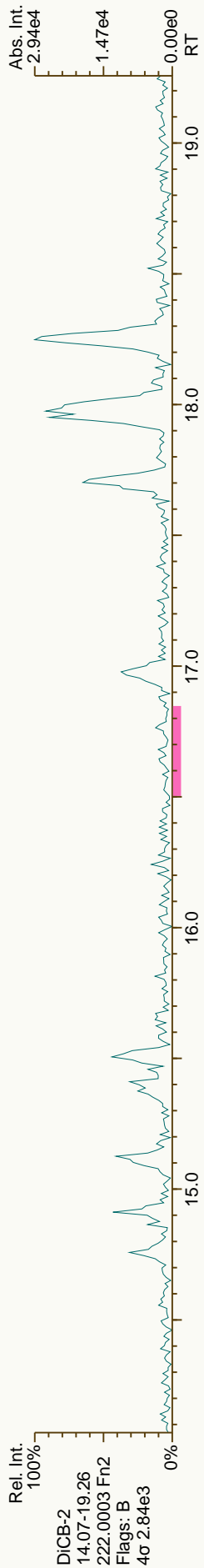


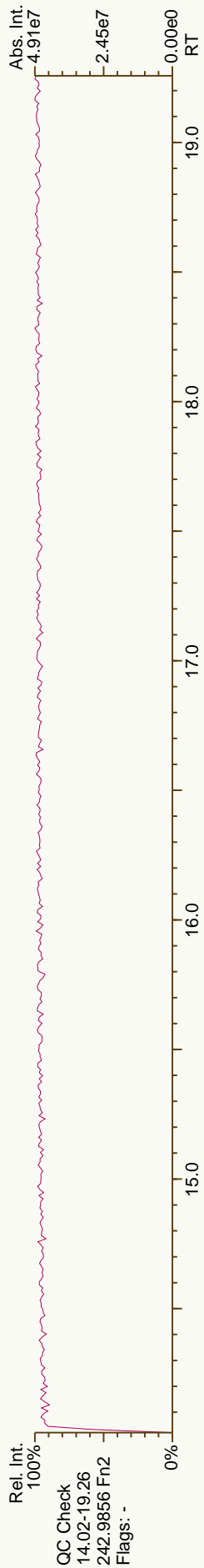
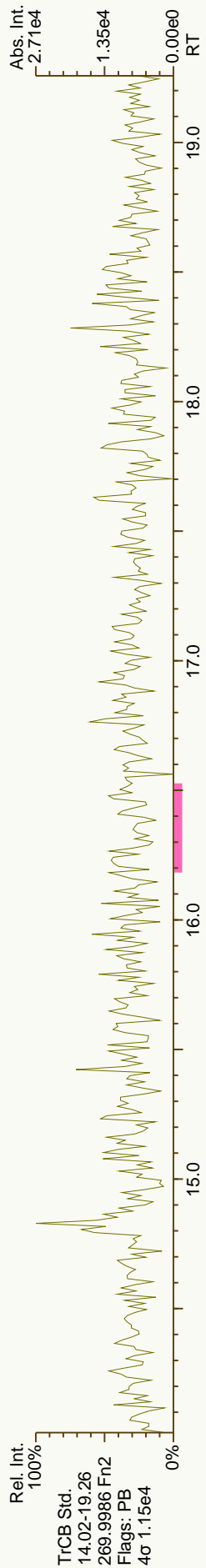
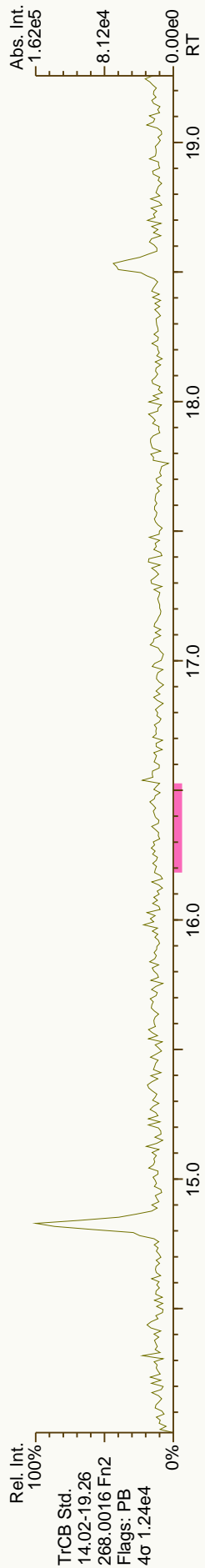
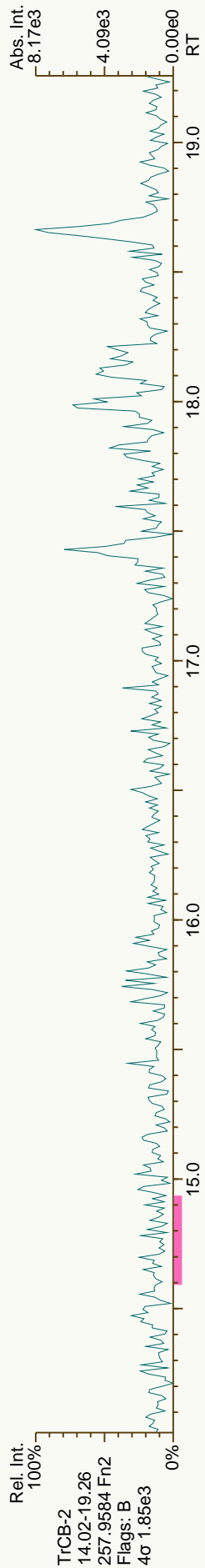
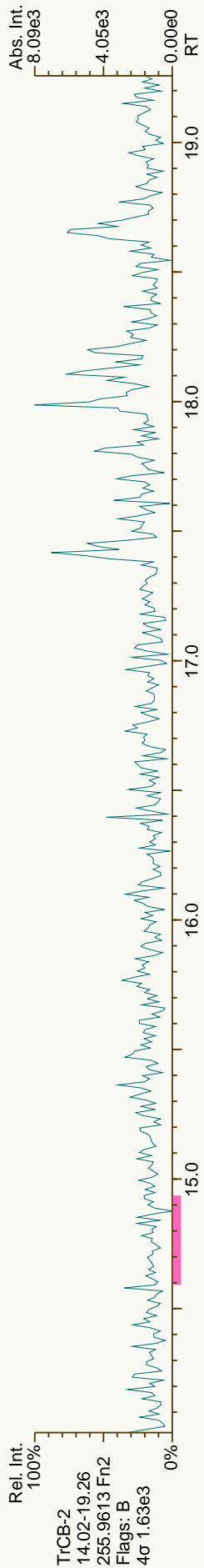


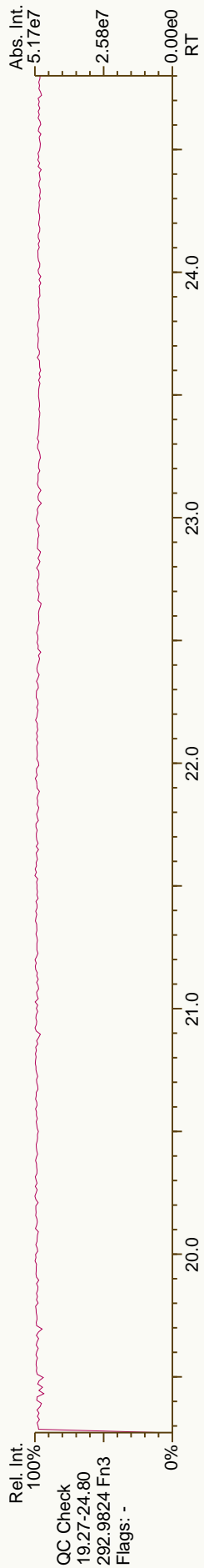
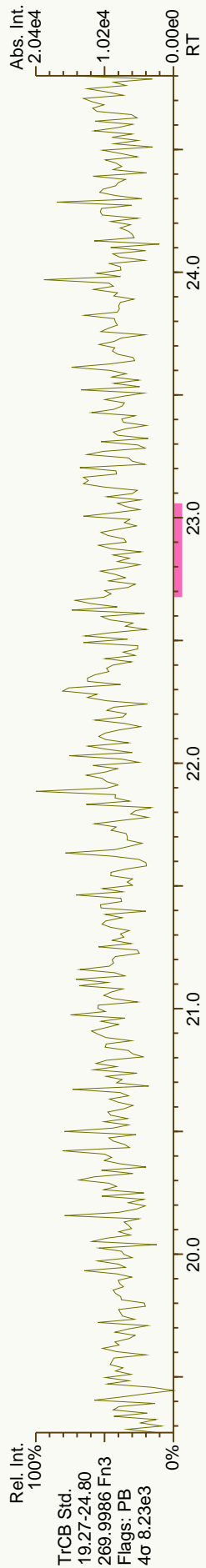
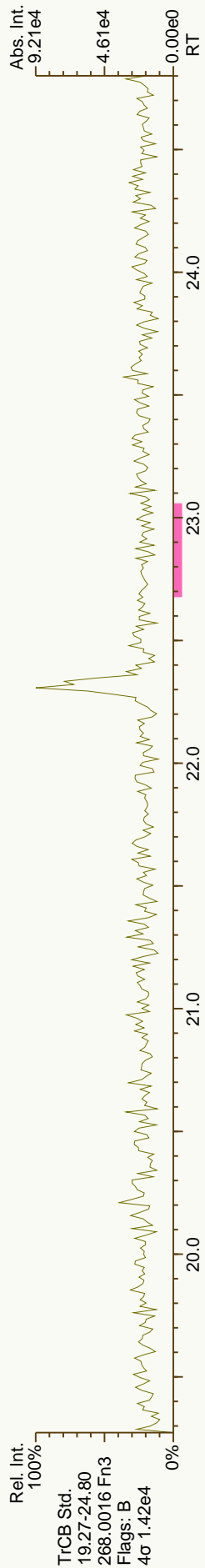
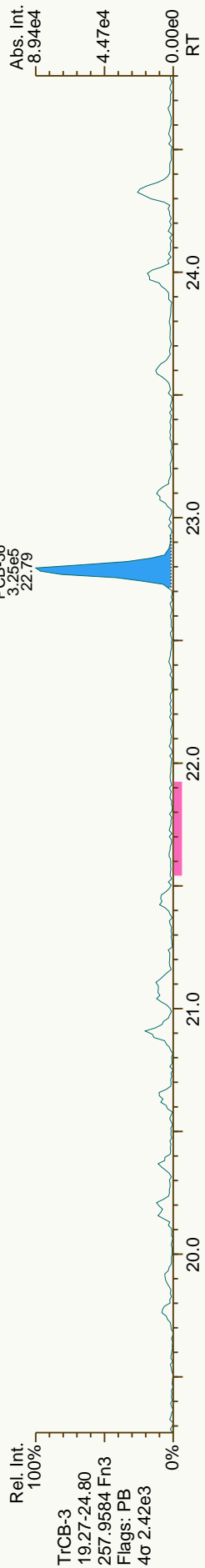
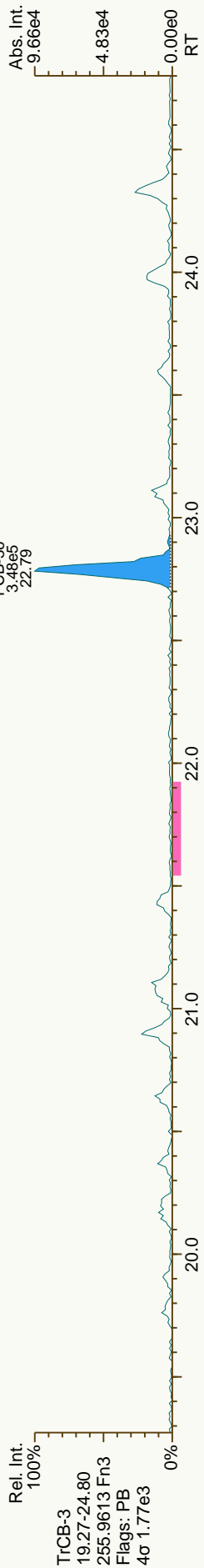


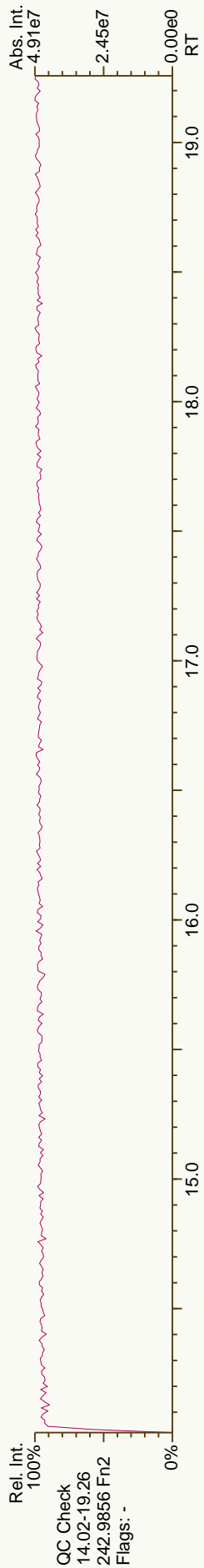
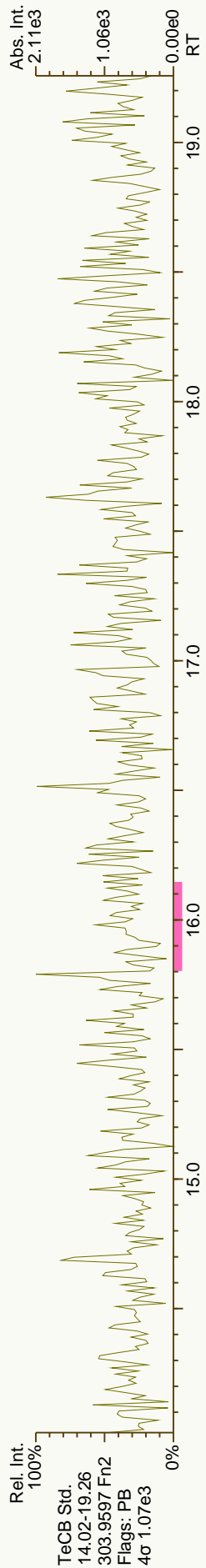
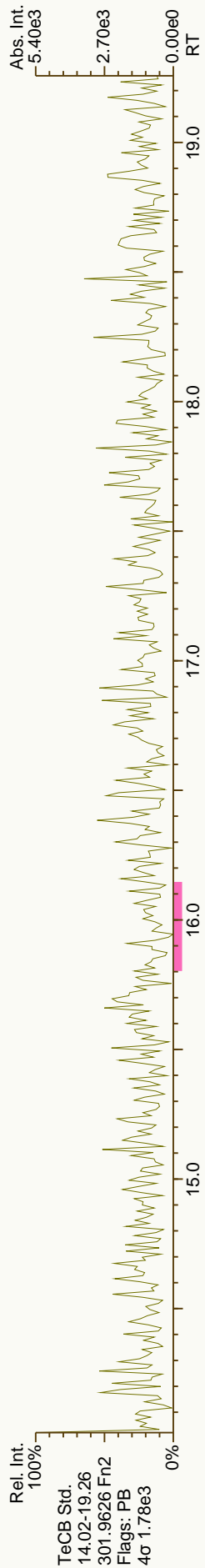
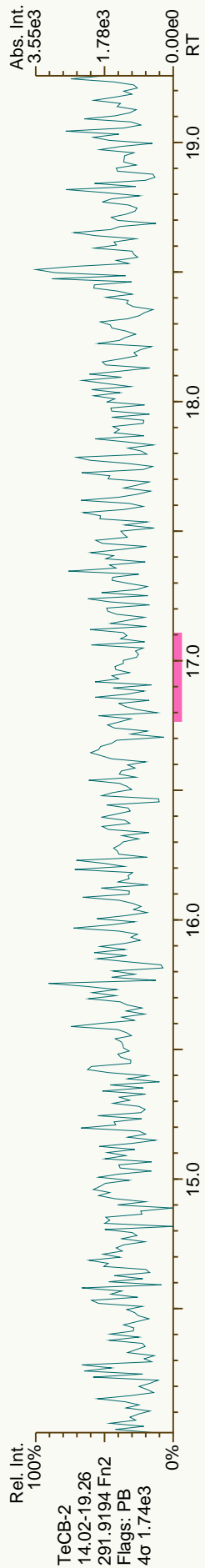
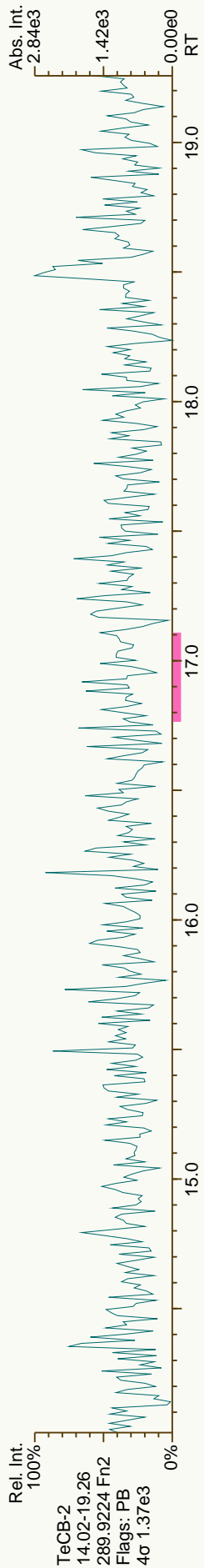


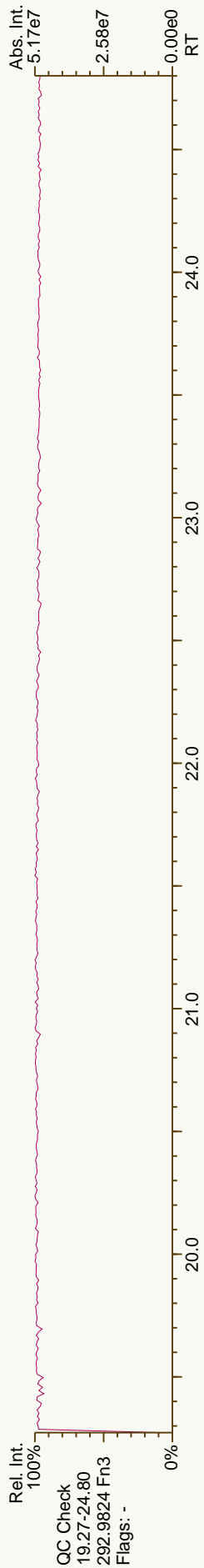
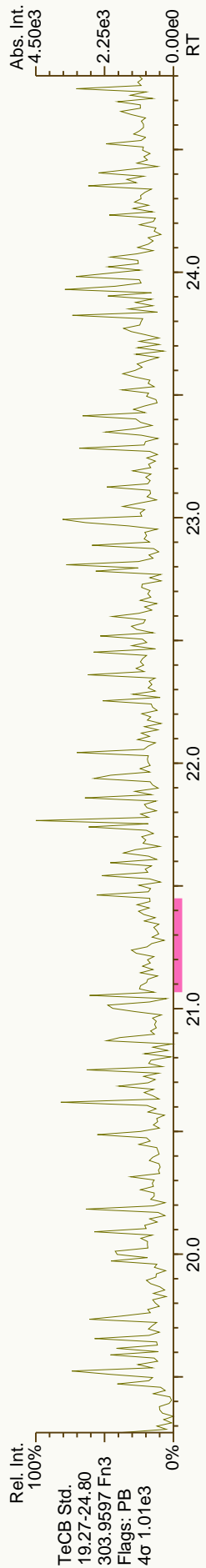
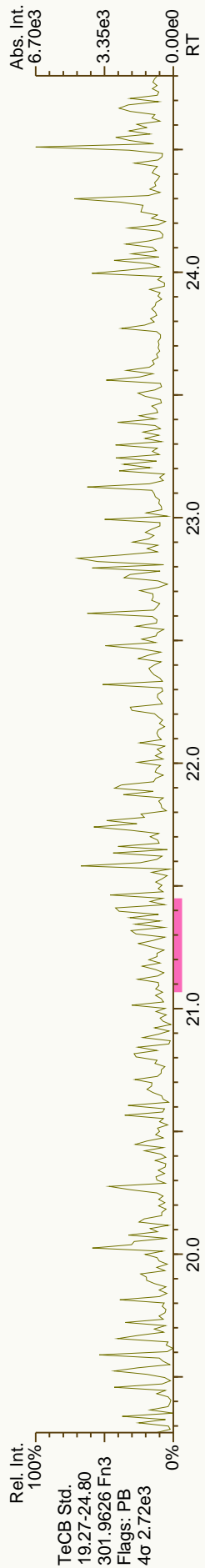
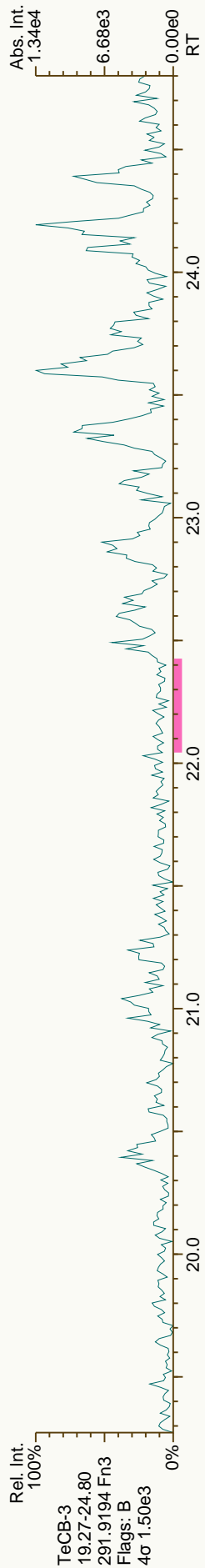
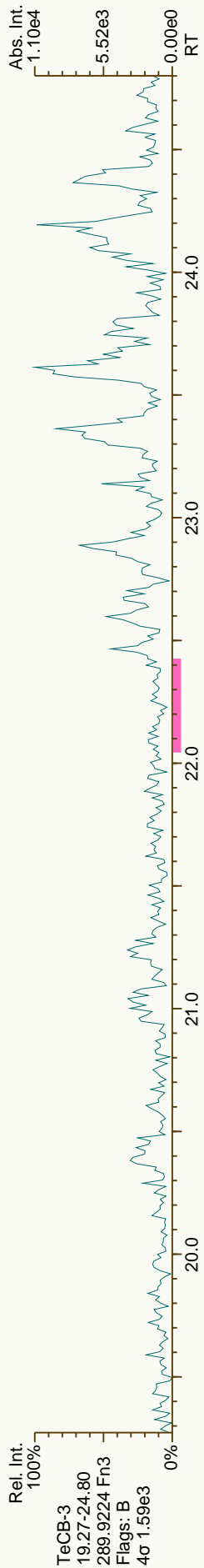


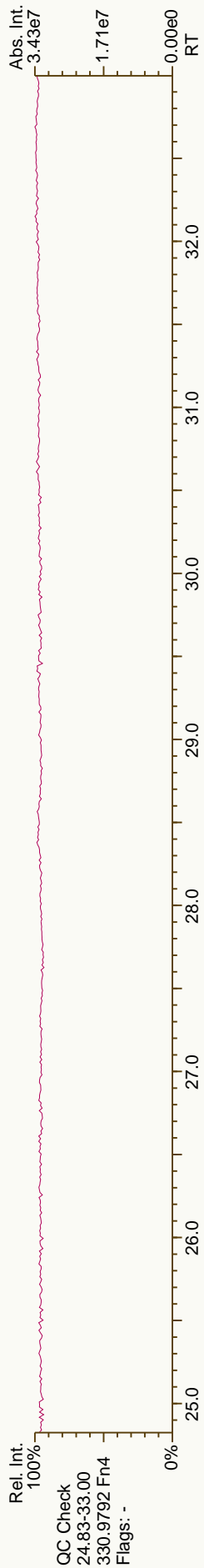
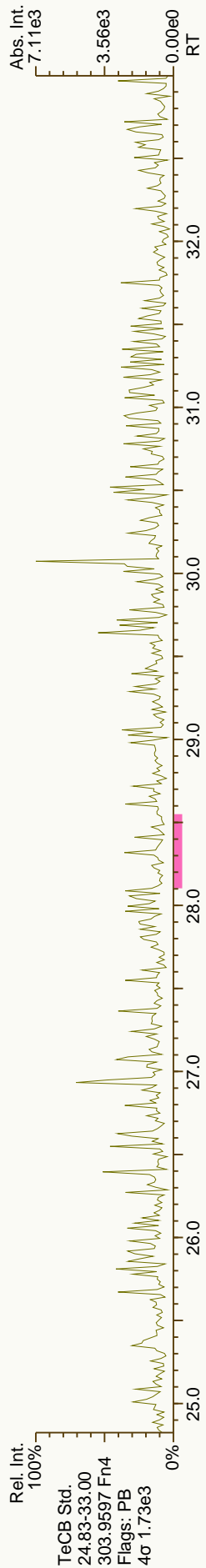
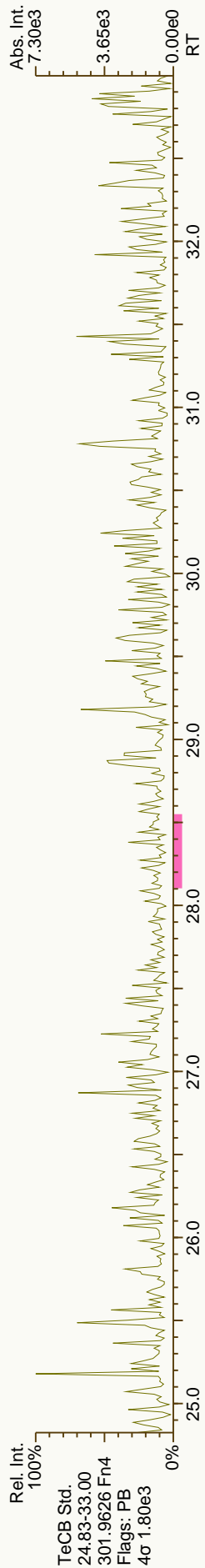
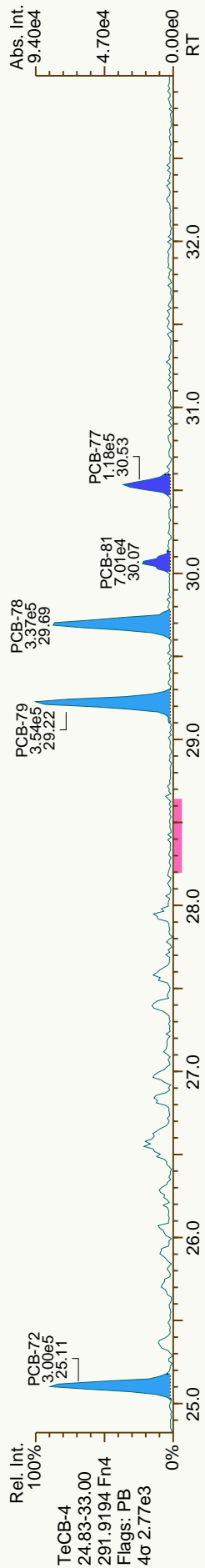
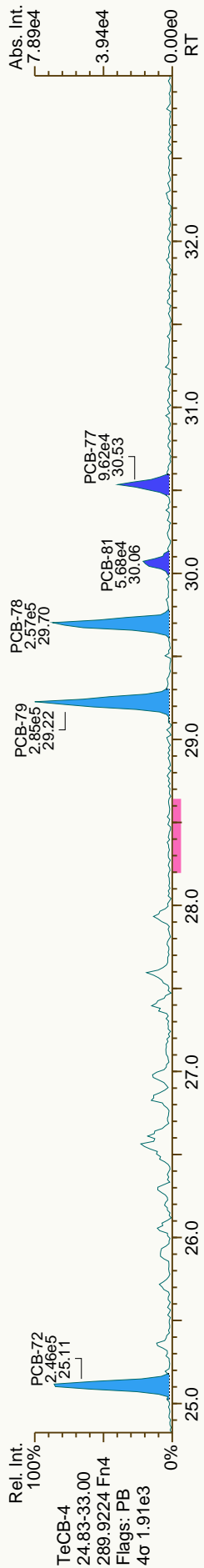


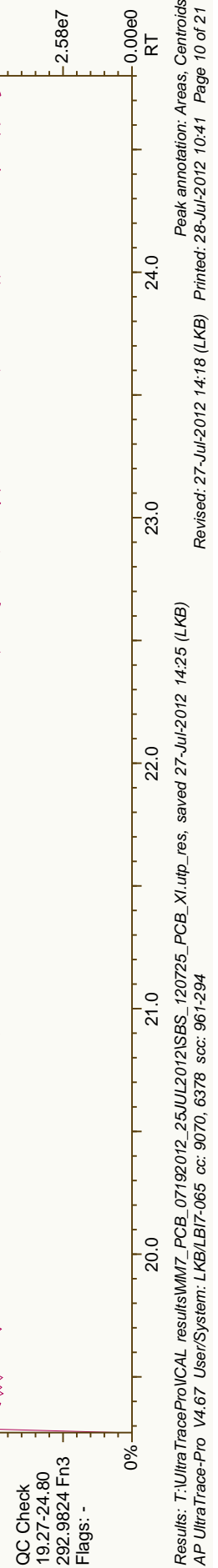
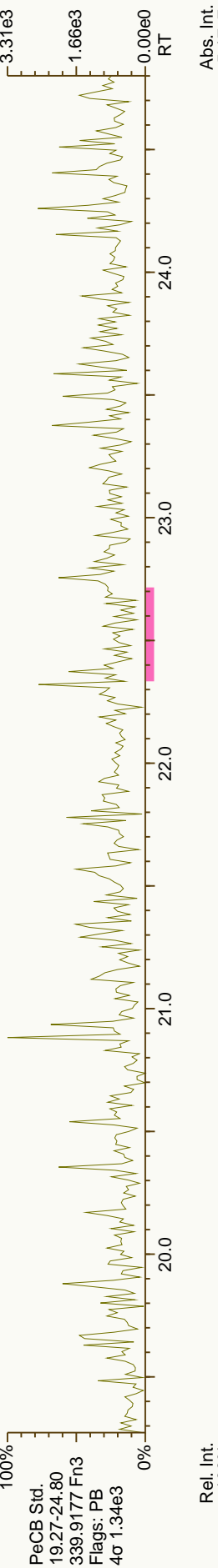
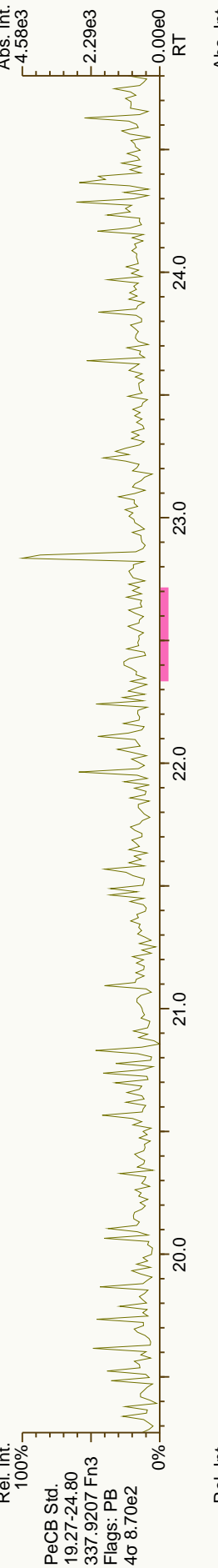
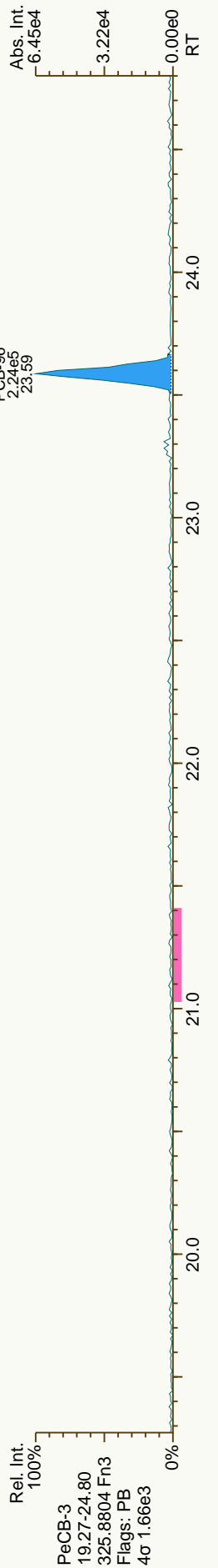
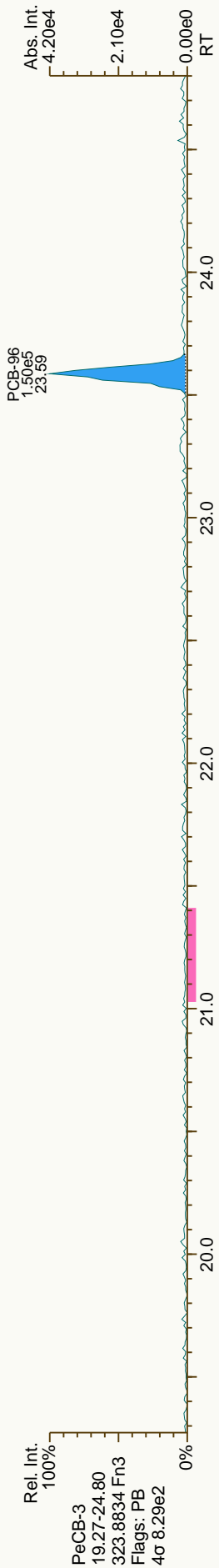


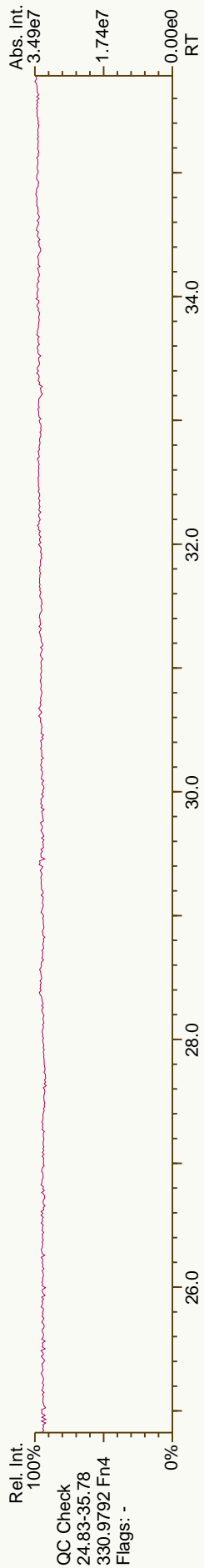
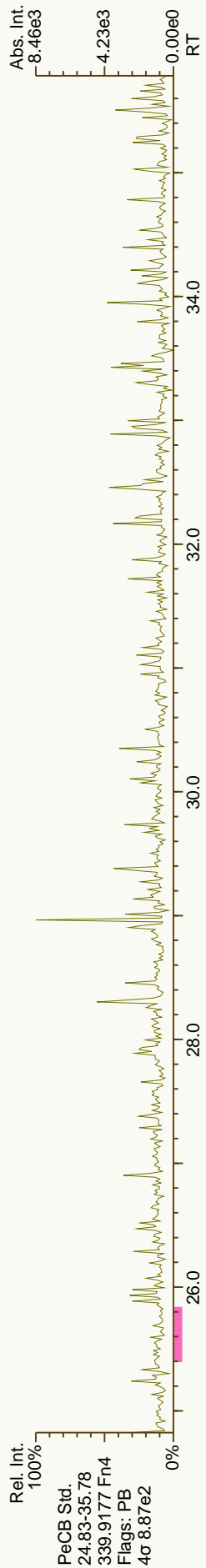
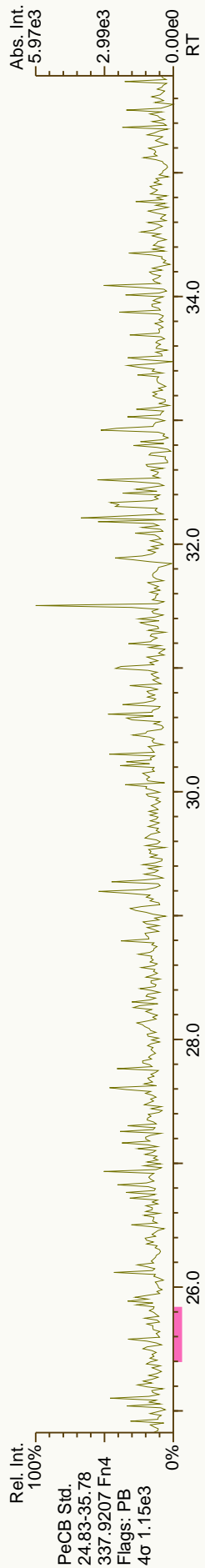
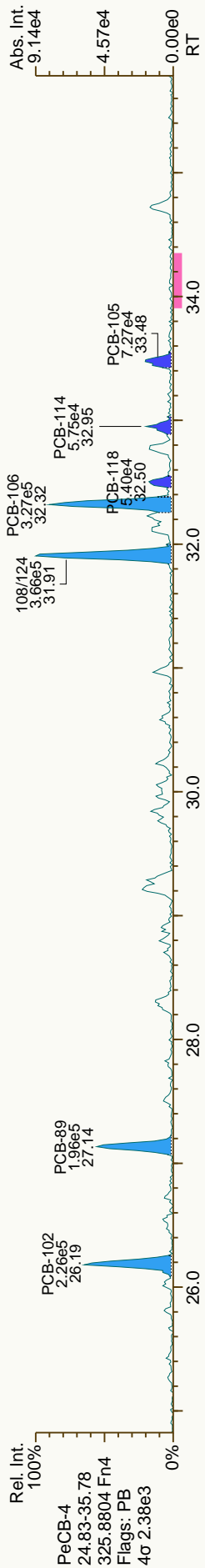
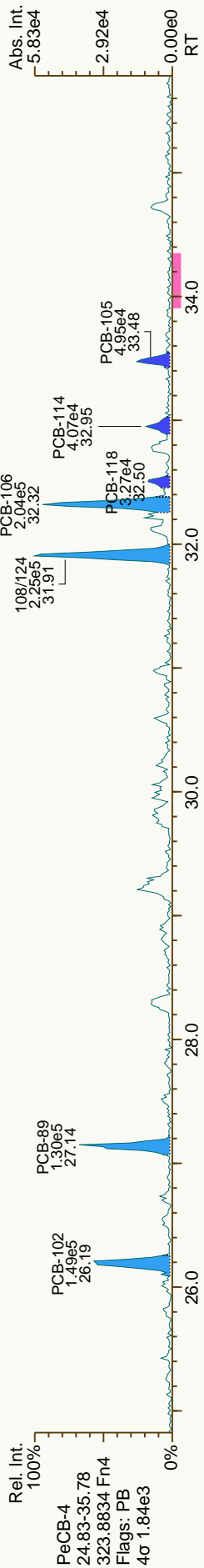




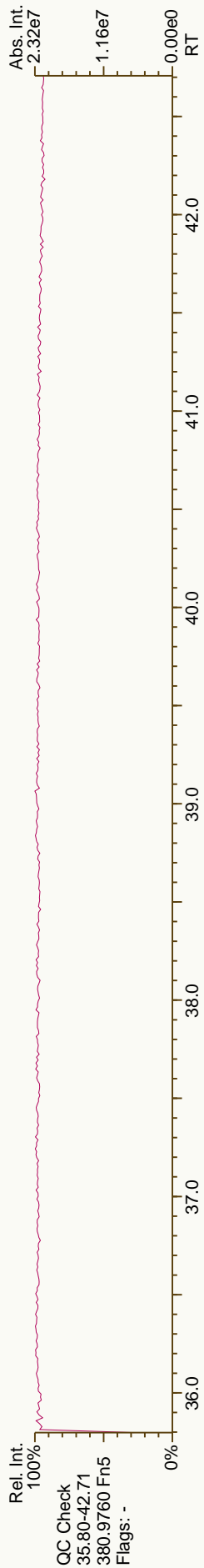
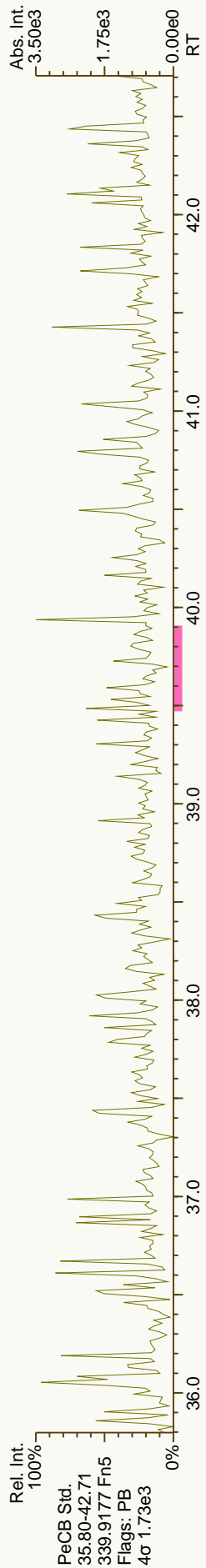
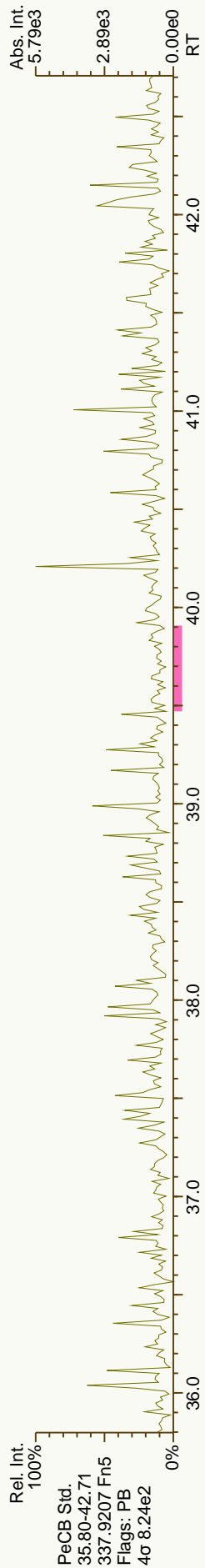
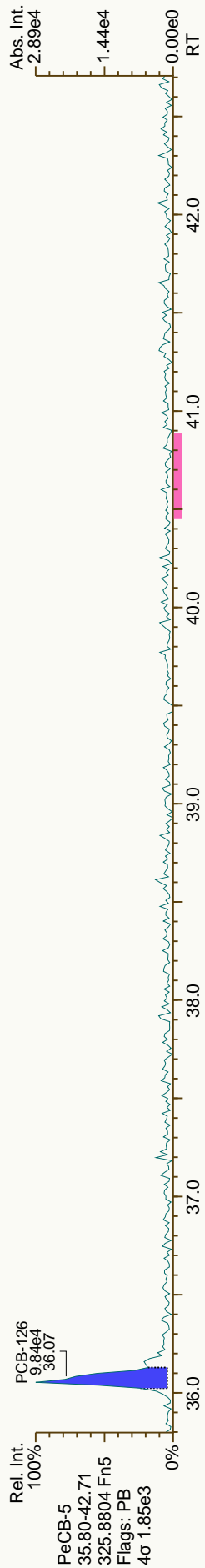
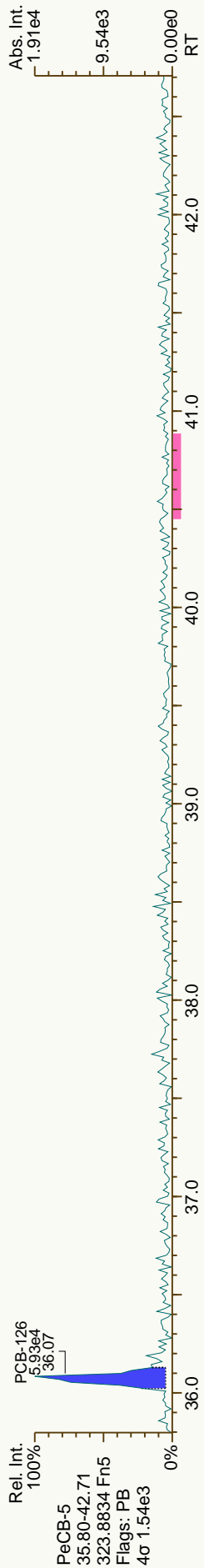


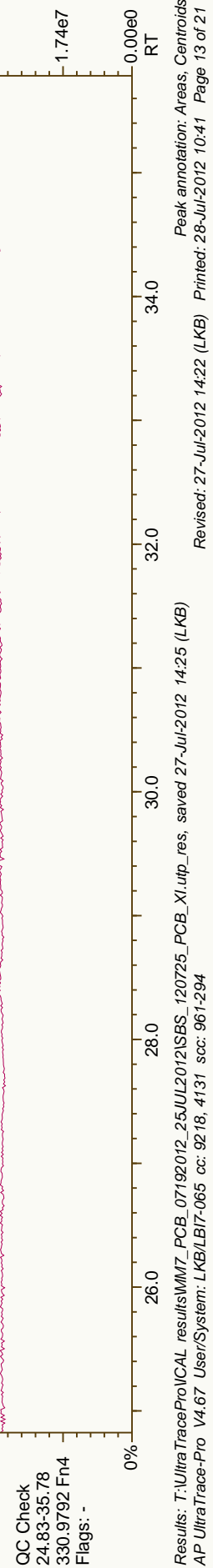
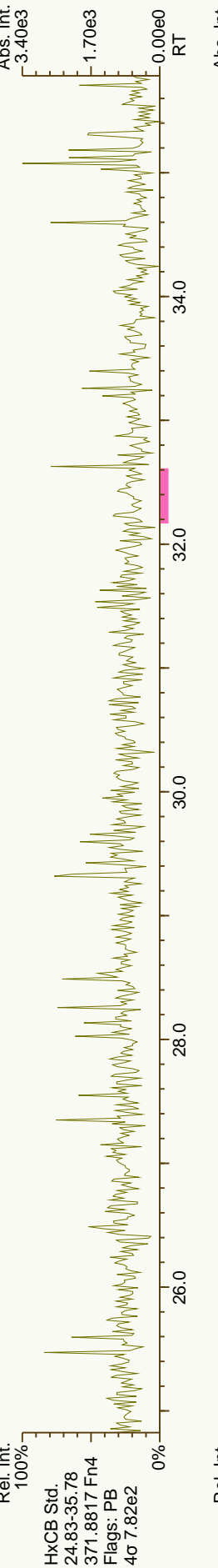
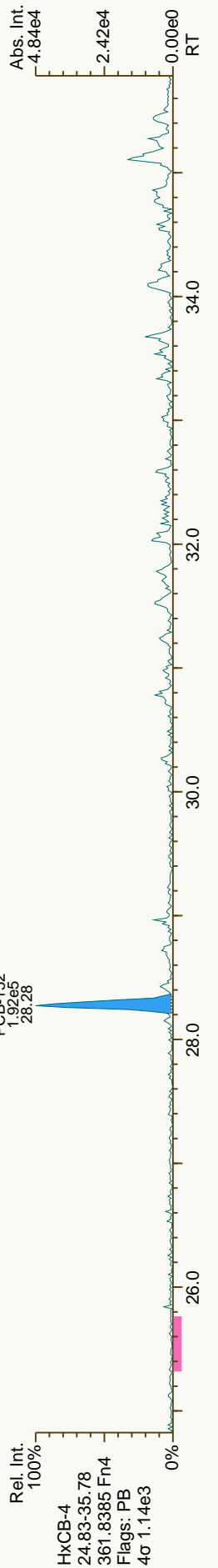
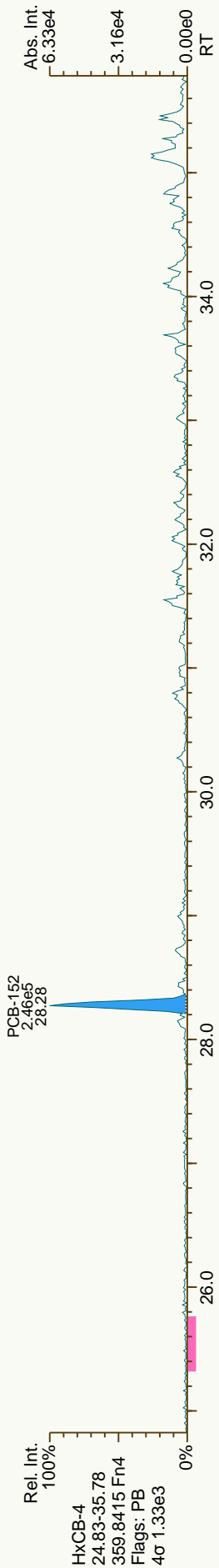




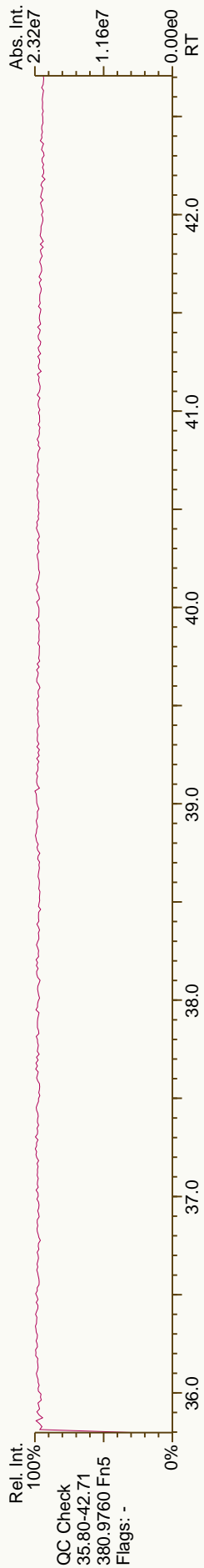
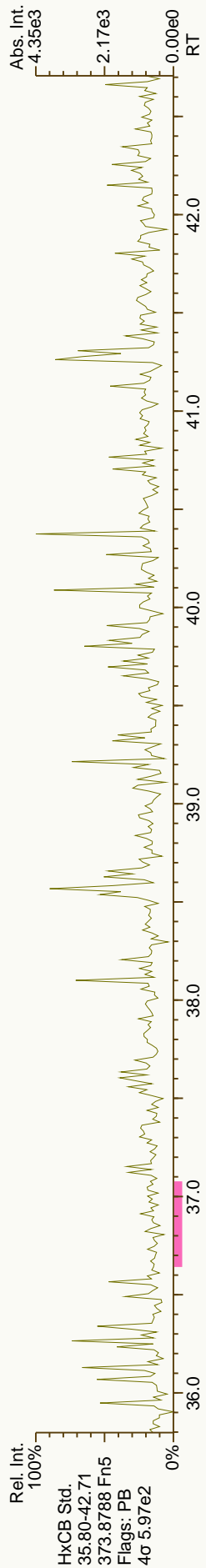
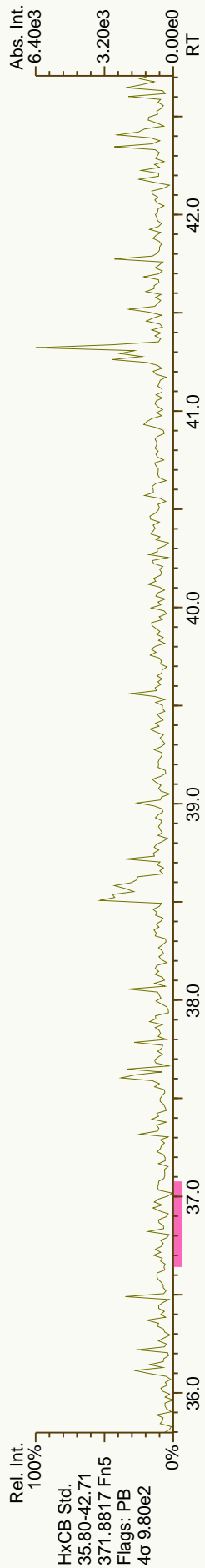
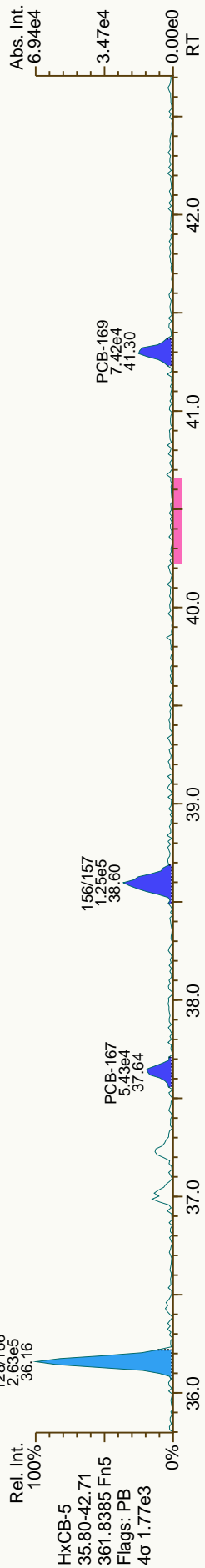
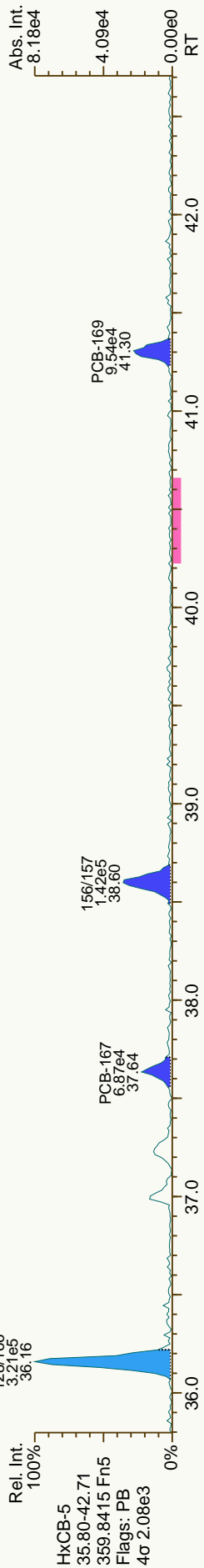


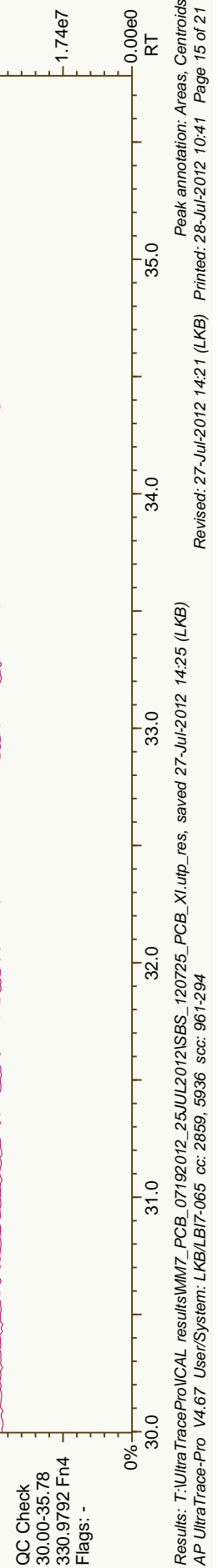
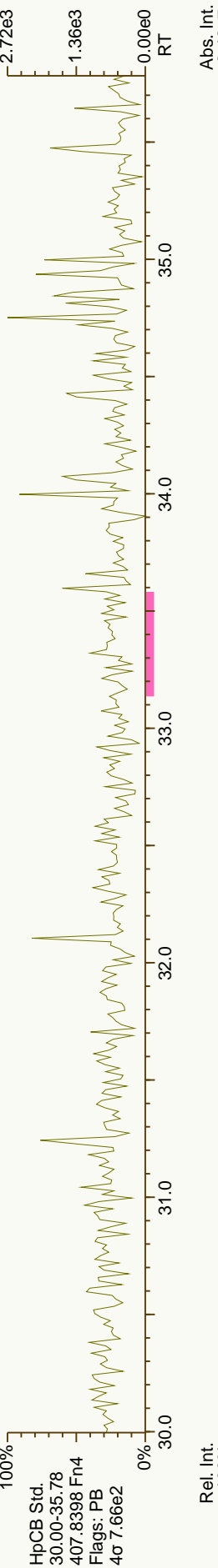
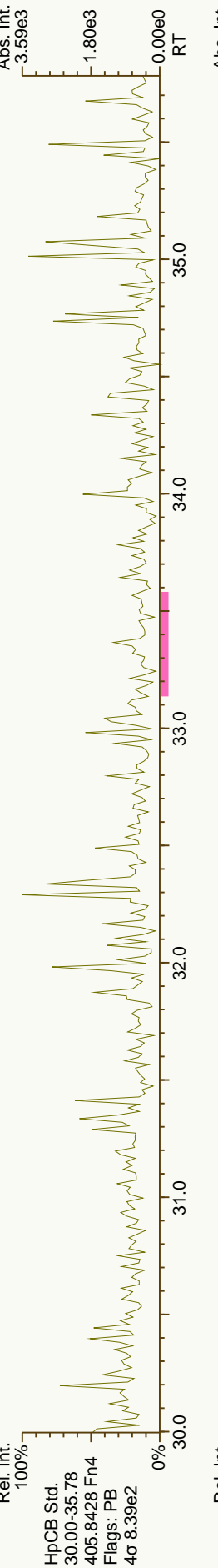
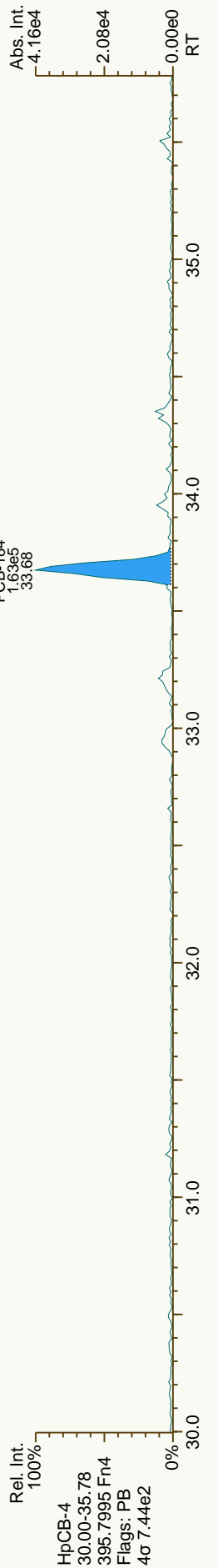
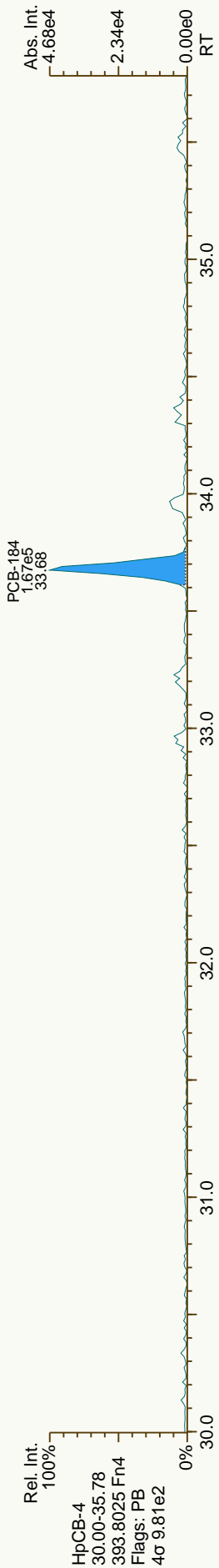
WO# 31203249

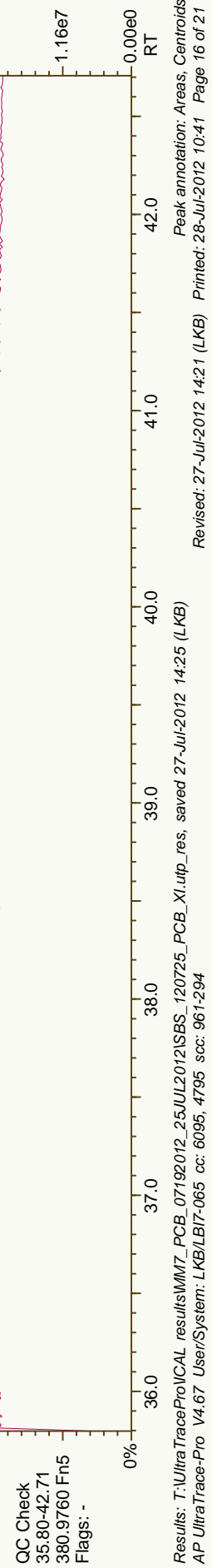
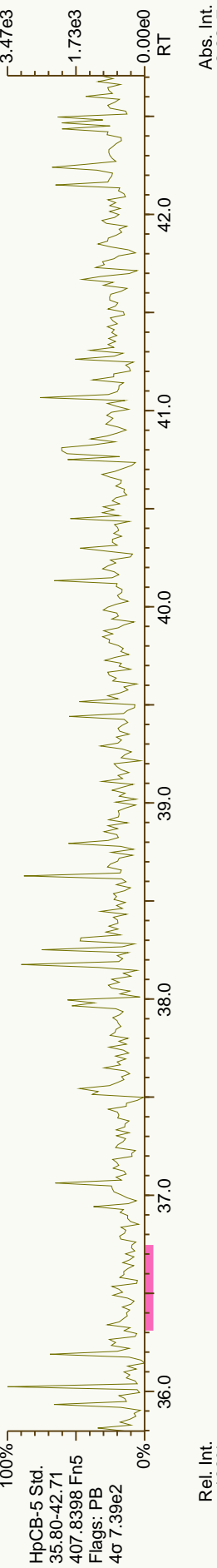
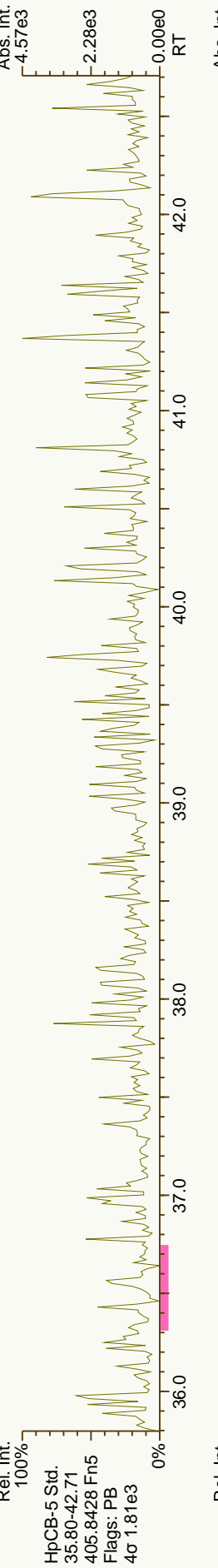
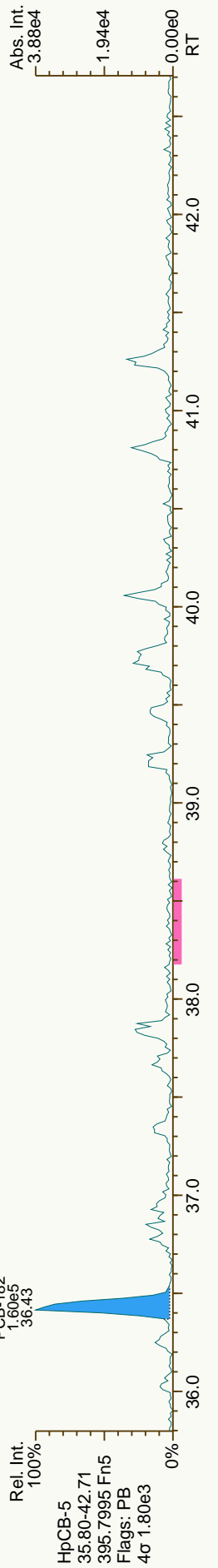
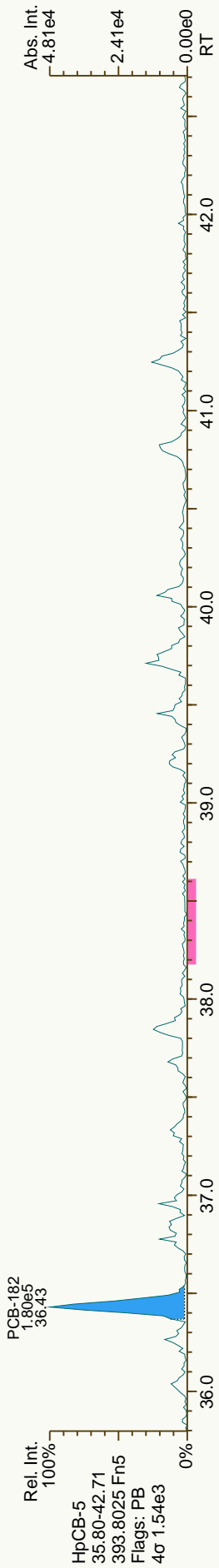


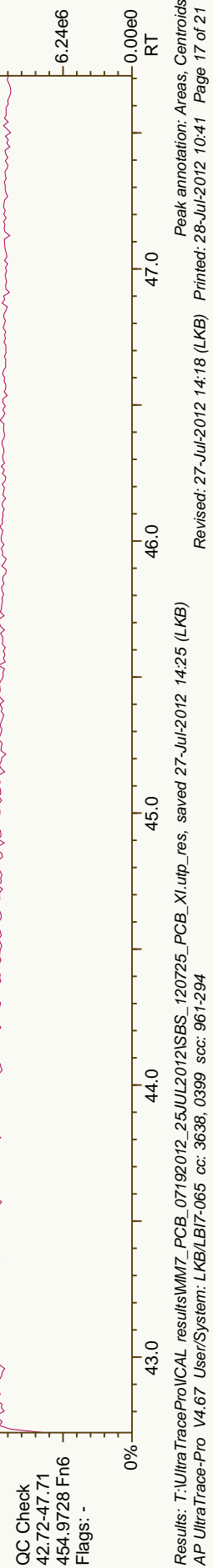
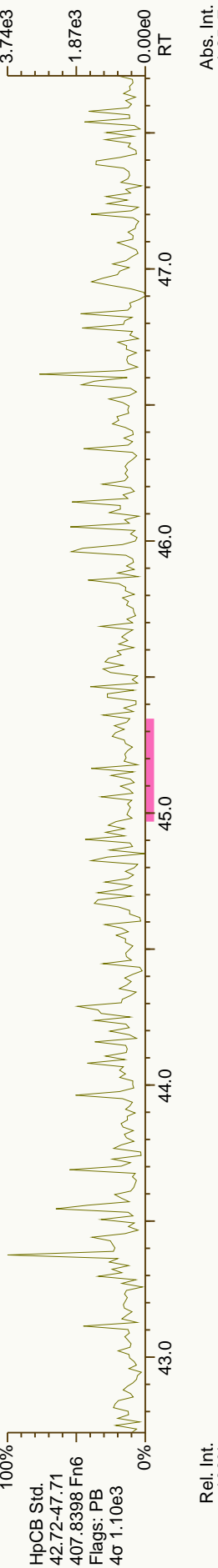
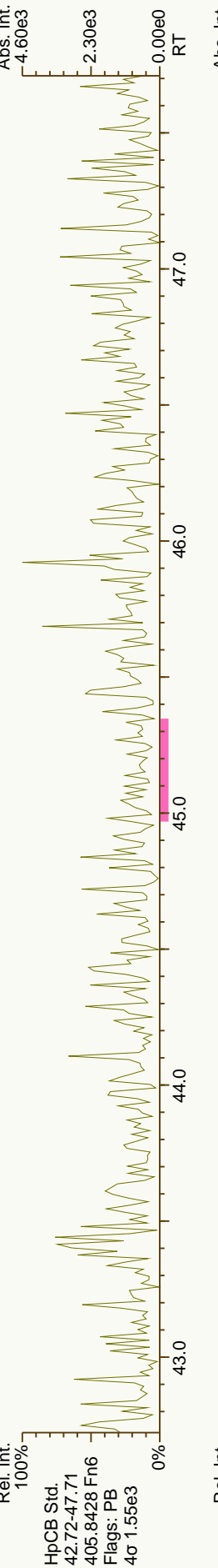
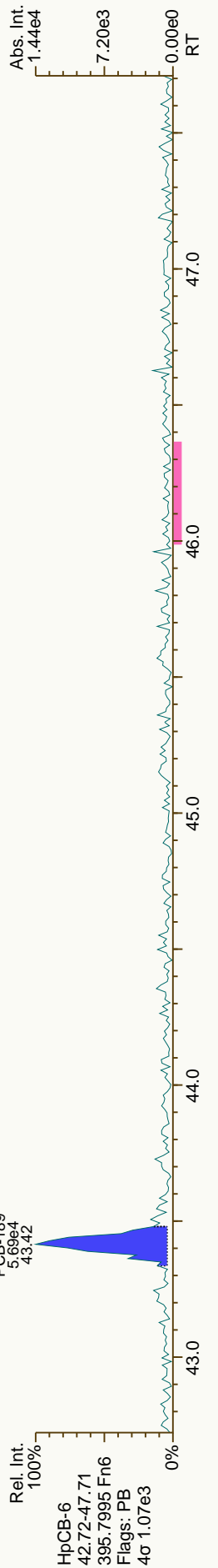
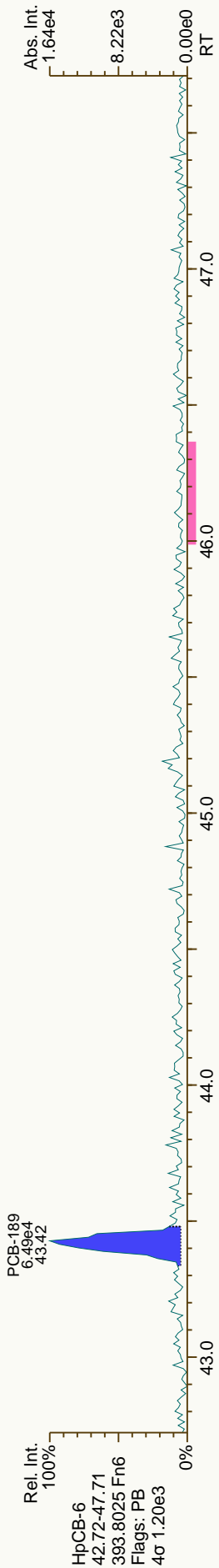


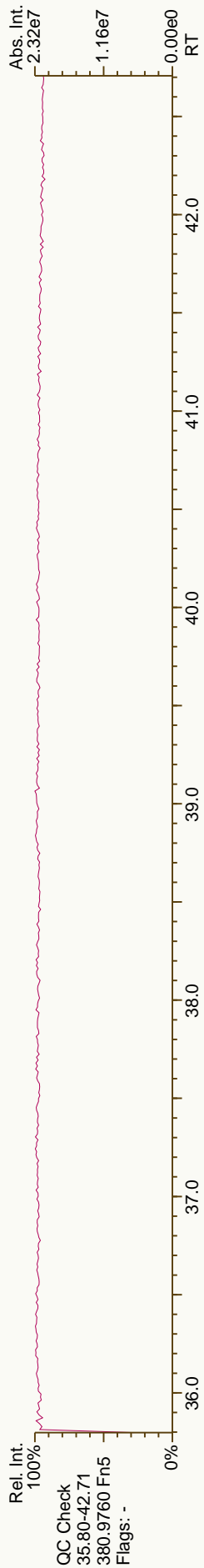
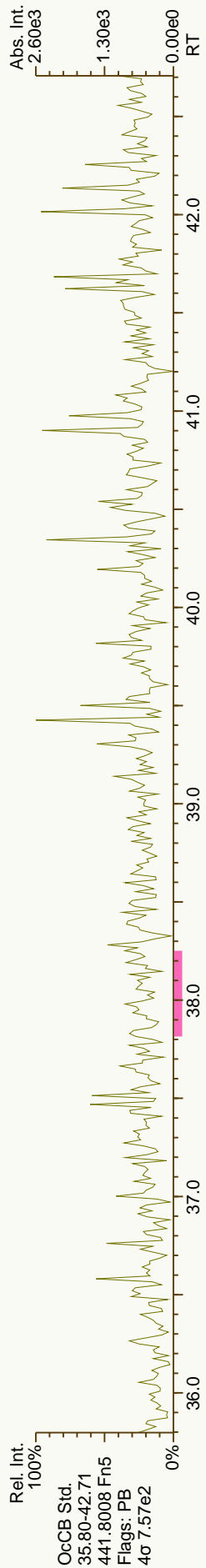
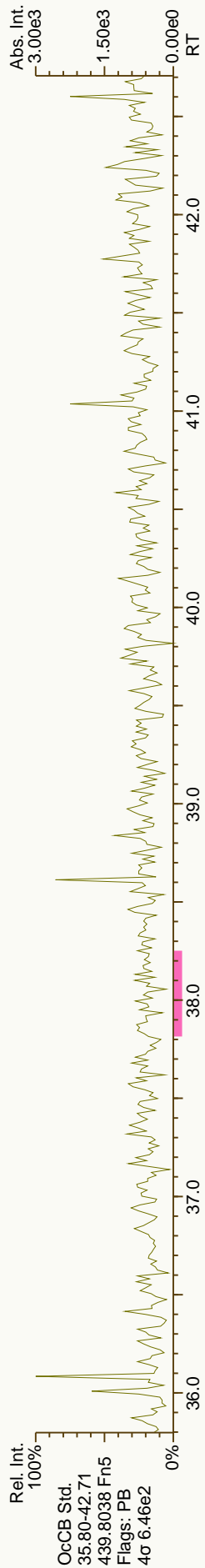
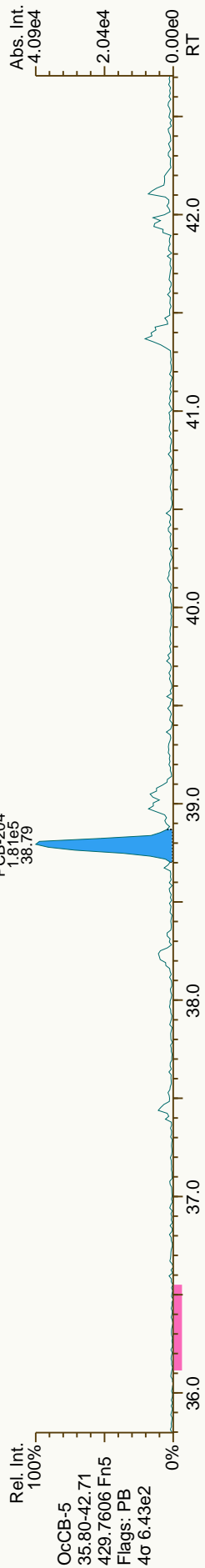
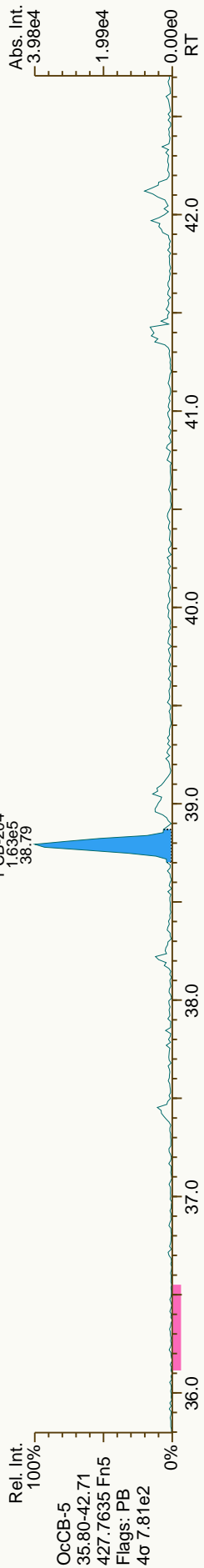
WO# 31203249

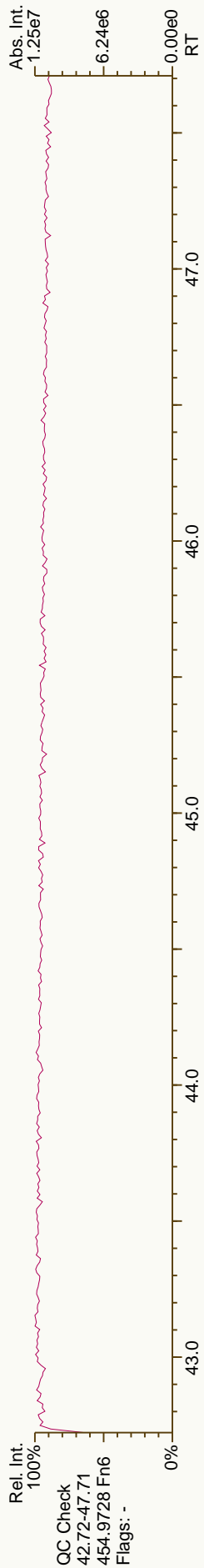
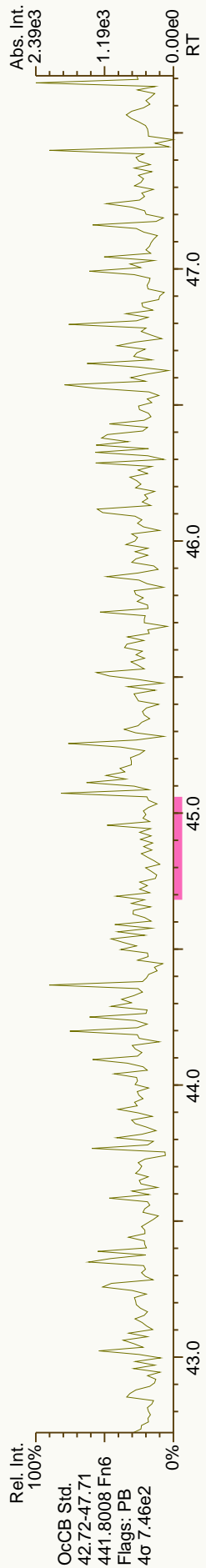
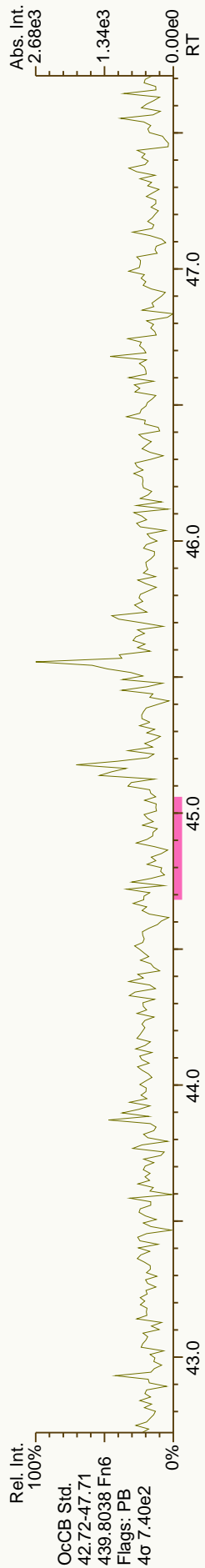
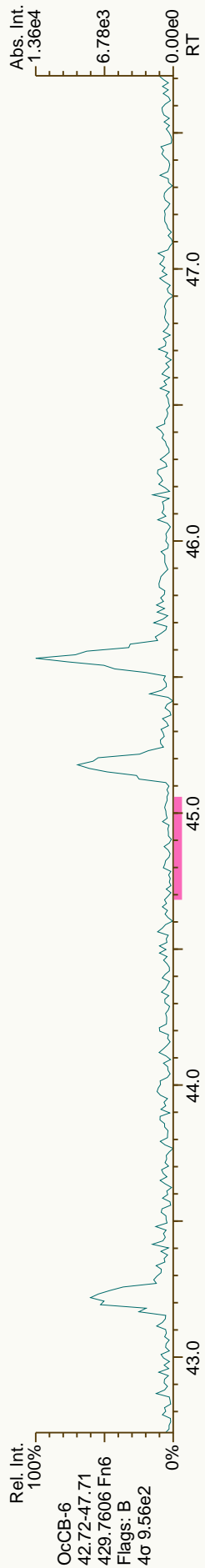
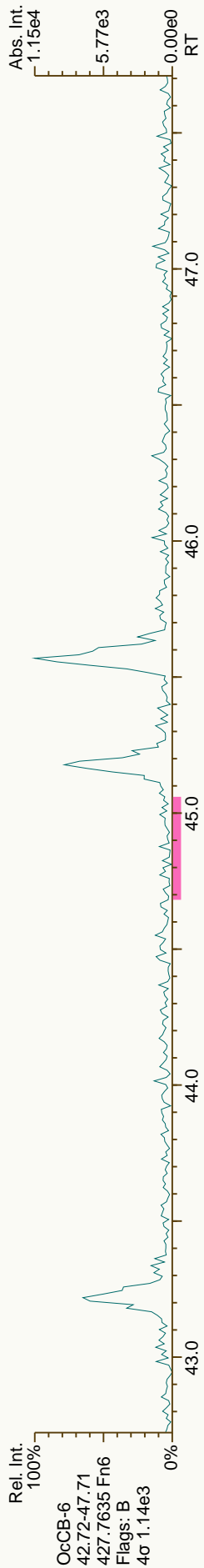


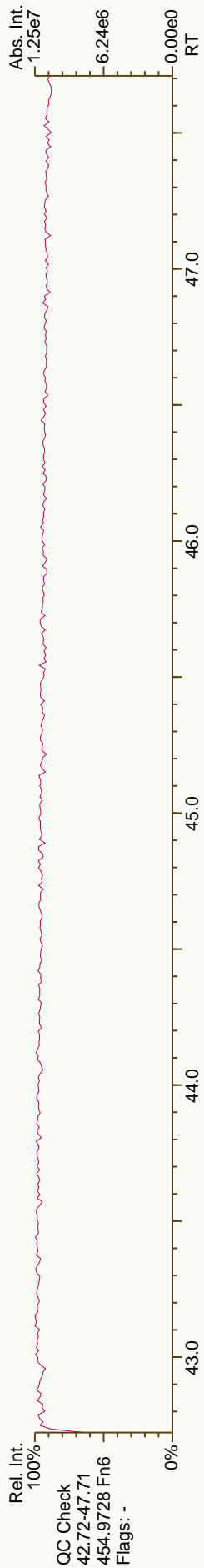
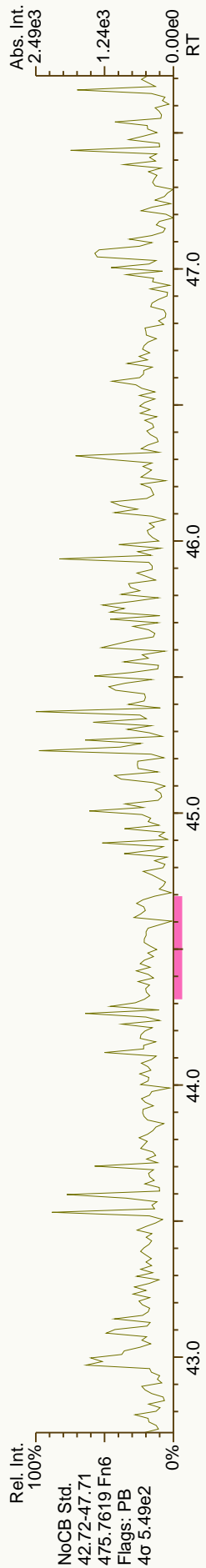
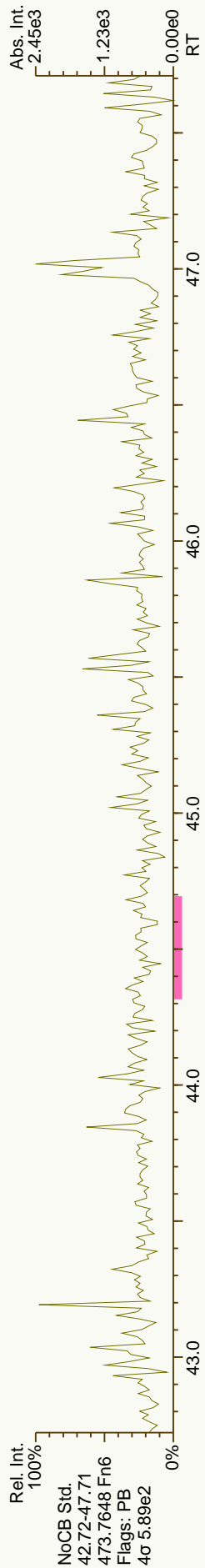
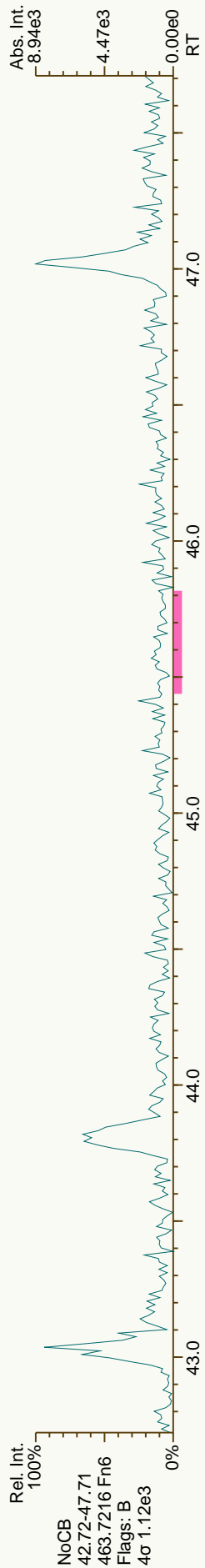
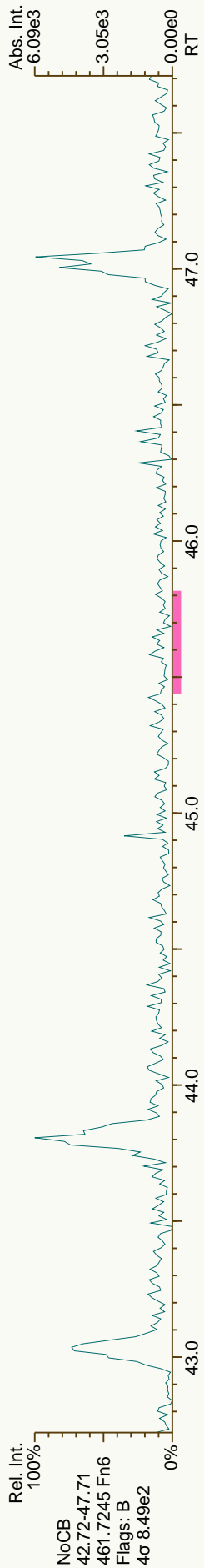


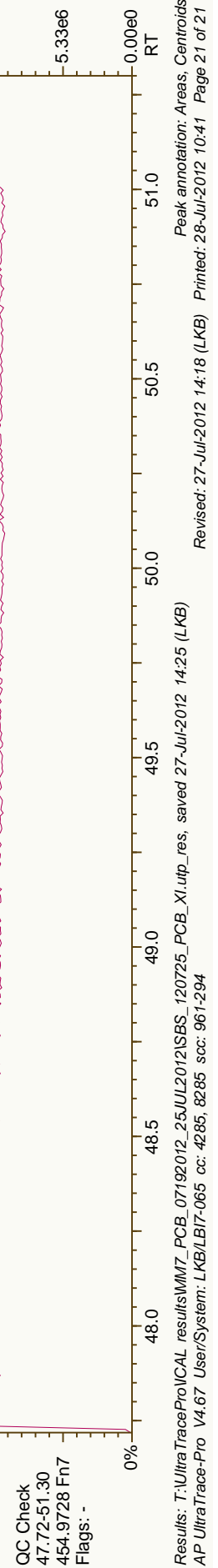
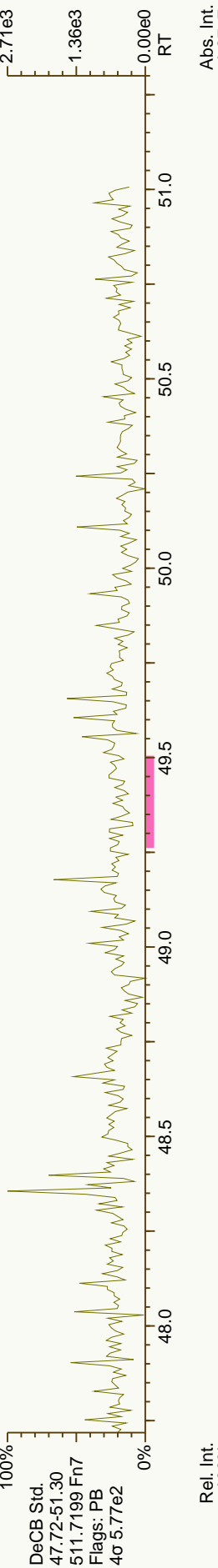
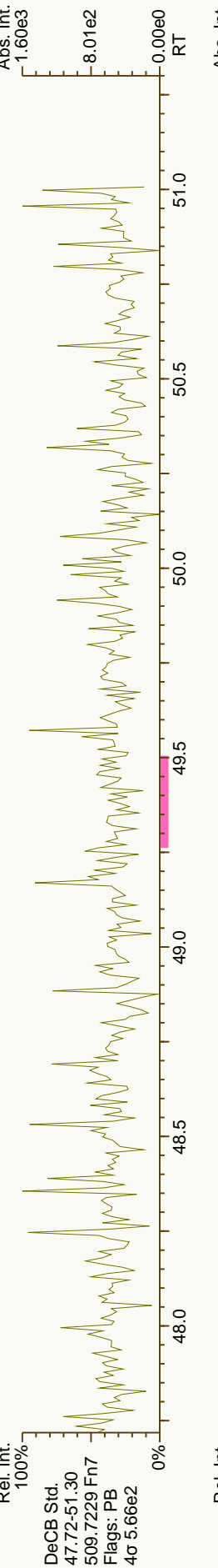
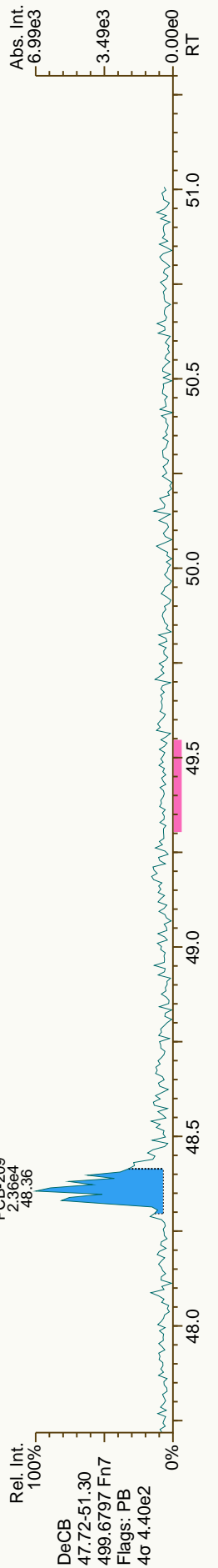
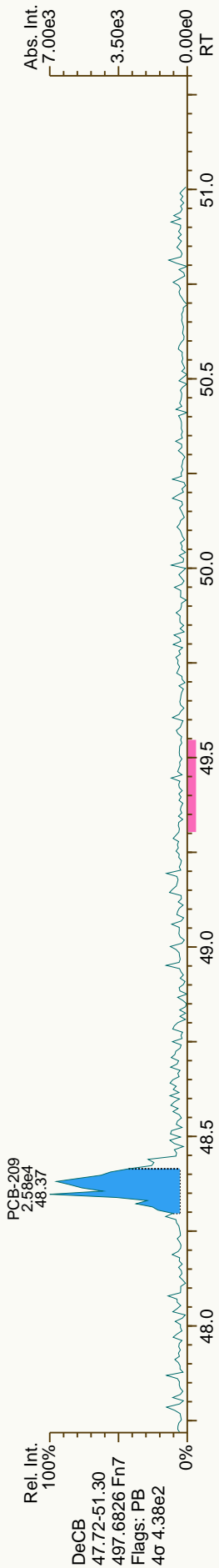












SGS Analytical Perspectives — Run Log

Project: A4722_10216_DF

Instrument: MM1 (AutoSpec-Ultima)		MS Experiment: DF_CL4-8B		GC Program: DB5MS_60M					
#	Datfile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	121019P1-01	8	CS3_121019_DF_PA	1.00	S40-67B	MDC	380-175	19-OCT-2012 14:41:36	
2	121019P1-02	32	OPR1_10216_DF	10.00	0_10216_OPR001	MDC	179-693	19-OCT-2012 15:32:38	
3	121019P1-03	15	SBS_121019_DF_PA	1.00	solvent blank	MDC	654-902	19-OCT-2012 16:23:43	
4	121019P1-04	31	MB1_10216_DF_SDS	10.00	MB1_10216_DF_SDS	MDC	334-294	19-OCT-2012 17:14:51	
5	121019P1-05	33	A4722_10216_DF_001	10.02	JW-EA09-SS35-120507	MDC	825-486	19-OCT-2012 18:05:58	
6	121019P1-06	34	A4722_10216_DF_002	10.01	JW-EA09-SS34-120507	MDC	569-853	19-OCT-2012 18:57:07	
7	121019P1-07	35	A4722_10216_DF_003	10.07	JW-EA08-SS32-120507	MDC	332-727	19-OCT-2012 19:48:08	
8	121019P1-08	36	A4722_10216_DF_004	10.05	JW-EA09-SS36-120507	MDC	122-947	19-OCT-2012 20:39:16	
9	121019P1-09	37	A4722_10216_DF_005	10.08	JW-EA08-SS31-120507	MDC	092-504	19-OCT-2012 21:30:19	
10	121019P1-10	38	A4722_10216_DF_006	10.00	JW-EA08-SS29-120507	MDC	441-071	19-OCT-2012 22:21:21	
11	121019P1-11	15	SBS_121019_DF_PB	1.00	solvent blank	MDC	763-520	19-OCT-2012 23:12:21	
12	121019P1-12	8	CS3_121019_DF_PB	1.00	S40-67B	MDC	061-162	20-OCT-2012 00:03:21	
1	121019P2-01	15	SBS_121019_DF_PC	1.00	solvent blank	MDC	862-442	20-OCT-2012 01:02:43	
2	121019P2-02	39	A4722_10216_DF_007	10.00	JW-EA07-SS27-120507	MDC	088-750	20-OCT-2012 01:53:45	
3	121019P2-03	40	A4722_10216_DF_008	10.04	JW-EA09-SS33-120507	MDC	866-110	20-OCT-2012 02:44:47	
4	121019P2-04	41	A4722_10216_DF_009	10.01	JW-EA08-SS30-120507	MDC	332-053	20-OCT-2012 03:35:55	
5	121019P2-05	42	A4722_10216_DF_010	10.04	JW-EA07-SS28-120507	MDC	194-963	20-OCT-2012 04:27:02	
6	121019P2-06	43	A4722_10216_DF_011	10.02	JW-EA07-SS26-120507	MDC	179-319	20-OCT-2012 05:18:10	
7	121019P2-07	44	A4722_10216_DF_012	10.02	JW-EA08-SS131-120507	MDC	040-828	20-OCT-2012 06:09:18	
8	121019P2-08	15	SBS_121019_DF_PD	1.00	solvent blank	MDC	147-155	20-OCT-2012 07:00:23	
9	121019P2-09	8	CS3_121019_DF_PC	1.00	S40-67B	MDC	512-756	20-OCT-2012 07:51:23	

REVIEWED
By Michael D H Chu at 12:12 pm, Oct 21, 2012

REVIEWED
By Michael_Flournoy at 2:49 pm, 11/2/12

Dioxin/Furan QC Summary
 Lab ID: CS3_121019_DF_PA
 Sample ID: S40-67B

Acq'd: 19 Oct 2012 14:41 MDC
 UTP: 20-Oct-2012 12:47 MDC
 Report: 21 Oct 2012 10:19 MC

ICAL: 1613_SGS
 Checkcode: 060-503-VYP
 Datafile: 121019P1-01

Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.56	4.04E+06	0.78	Y	1.08	1.14	5%
12378-PeCDD	33.88	1.34E+07	1.58	Y	1.07	1.05	-3%
123478-HxCDD	38.51	1.12E+07	1.32	Y	1.05	1.05	0%
123678-HxCDD	38.65	1.29E+07	1.28	Y	0.98	1.01	3%
123789-HxCDD	38.99	1.14E+07	1.27	Y	1.01	0.97	-4%
1234678-HpCDD	42.67	9.22E+06	1.06	Y	1.09	1.06	-2%
OCDD	46.43	1.47E+07	0.88	Y	1.11	1.04	-6%
2378-TCDF	26.56	6.15E+06	0.79	Y	0.98	0.99	2%
12378-PeCDF	32.14	2.52E+07	1.50	Y	0.99	1.00	1%
23478-PeCDF	33.46	2.40E+07	1.53	Y	1.02	1.02	1%
123478-HxCDF	37.35	1.83E+07	1.24	Y	1.19	1.16	-2%
123678-HxCDF	37.51	2.00E+07	1.22	Y	1.16	1.13	-2%
234678-HxCDF	38.30	1.92E+07	1.29	Y	1.18	1.22	4%
123789-HxCDF	39.42	1.54E+07	1.27	Y	1.09	1.09	0%
1234678-HpCDF	41.40	1.71E+07	1.04	Y	1.35	1.41	5%
1234789-HpCDF	43.28	1.24E+07	1.03	Y	1.34	1.38	3%
OCDF	46.67	1.86E+07	0.91	Y	1.40	1.31	-6%
ES 2378-TCDD	27.54	3.54E+07	0.80	Y	1.04	1.00	-4%
ES 12378-PeCDD	33.85	2.56E+07	1.59	Y	0.87	0.72	-17%
ES 123478-HxCDD	38.50	2.13E+07	1.27	Y	0.94	0.97	3%
ES 123678-HxCDD	38.63	2.54E+07	1.29	Y	1.06	1.16	9%
ES 1234678-HpCDD	42.65	1.73E+07	1.06	Y	0.80	0.79	-1%
ES OCDD	46.41	2.84E+07	0.87	Y	0.63	0.65	3%
ES 2378-TCDF	26.54	6.18E+07	0.80	Y	1.74	1.74	0%
ES 12378-PeCDF	32.12	5.04E+07	1.57	Y	1.49	1.42	-5%
ES 23478-PeCDF	33.44	4.69E+07	1.55	Y	1.48	1.32	-11%
ES 123478-HxCDF	37.33	3.15E+07	0.52	Y	1.27	1.44	13%
ES 123678-HxCDF	37.50	3.53E+07	0.54	Y	1.41	1.61	14%
ES 234678-HxCDF	38.28	3.16E+07	0.54	Y	1.34	1.44	7%
ES 123789-HxCDF	39.40	2.83E+07	0.53	Y	1.20	1.29	7%
ES 1234678-HpCDF	41.39	2.42E+07	0.44	Y	1.06	1.10	4%
ES 1234789-HpCDF	43.27	1.79E+07	0.45	Y	0.82	0.82	-1%

Dioxin/Furan QC Summary
 Lab ID: CS3_121019_DF_PB
 Sample ID: S40-67B

Acq'd: 20 Oct 2012 00:03 MDC
 UTP: 20-Oct-2012 12:47 MDC
 Report: 21 Oct 2012 10:19 MC

ICAL: 1613_SGS
 Checkcode: 061-162-WTH
 Datafile: 121019P1-12

Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.55	4.46E+06	0.79	Y	1.08	1.16	7%
12378-PeCDD	33.86	1.40E+07	1.55	Y	1.07	1.06	-1%
123478-HxCDD	38.50	1.22E+07	1.28	Y	1.05	1.09	4%
123678-HxCDD	38.63	1.34E+07	1.26	Y	0.98	1.02	3%
123789-HxCDD	38.98	1.24E+07	1.29	Y	1.01	1.02	1%
1234678-HpCDD	42.66	1.00E+07	1.04	Y	1.09	1.06	-2%
OCDD	46.41	1.51E+07	0.90	Y	1.11	1.05	-6%
2378-TCDF	26.54	6.71E+06	0.79	Y	0.98	1.00	3%
12378-PeCDF	32.13	2.48E+07	1.48	Y	0.99	1.02	3%
23478-PeCDF	33.44	2.57E+07	1.55	Y	1.02	1.03	1%
123478-HxCDF	37.34	2.00E+07	1.26	Y	1.19	1.19	0%
123678-HxCDF	37.50	2.19E+07	1.25	Y	1.16	1.16	0%
234678-HxCDF	38.28	2.10E+07	1.25	Y	1.18	1.22	4%
123789-HxCDF	39.41	1.69E+07	1.25	Y	1.09	1.11	2%
1234678-HpCDF	41.39	1.84E+07	1.03	Y	1.35	1.44	7%
1234789-HpCDF	43.27	1.36E+07	1.04	Y	1.34	1.39	4%
OCDF	46.66	2.00E+07	0.89	Y	1.40	1.38	-1%
ES 2378-TCDD	27.52	3.84E+07	0.78	Y	1.04	1.01	-3%
ES 12378-PeCDD	33.84	2.63E+07	1.58	Y	0.87	0.69	-21%
ES 123478-HxCDD	38.48	2.24E+07	1.28	Y	0.94	0.97	3%
ES 123678-HxCDD	38.62	2.63E+07	1.24	Y	1.06	1.14	7%
ES 1234678-HpCDD	42.65	1.89E+07	1.04	Y	0.80	0.82	3%
ES OCDD	46.40	2.89E+07	0.94	Y	0.63	0.63	-1%
ES 2378-TCDF	26.52	6.70E+07	0.79	Y	1.74	1.75	1%
ES 12378-PeCDF	32.11	4.87E+07	1.56	Y	1.49	1.28	-15%
ES 23478-PeCDF	33.43	5.00E+07	1.58	Y	1.48	1.31	-12%
ES 123478-HxCDF	37.32	3.36E+07	0.53	Y	1.27	1.46	14%
ES 123678-HxCDF	37.48	3.79E+07	0.52	Y	1.41	1.64	16%
ES 234678-HpCDF	38.27	3.43E+07	0.52	Y	1.34	1.49	11%
ES 123789-HpCDF	39.39	3.02E+07	0.53	Y	1.20	1.31	9%
ES 1234678-HpCDD	41.37	2.54E+07	0.43	Y	1.06	1.10	4%
ES 1234789-HpCDF	43.25	1.96E+07	0.45	Y	0.82	0.85	3%

Dioxin/Furan QC Summary			Acq'd: 20 Oct 2012 07:51 MDC			ICAL: 1613_SGS		
Lab ID: CS3_121019_DF_PC			UTP: 20-Oct-2012 12:47 MDC			Checkcode: 512-756-RNR		
Sample ID: S40-67B			Report: 21 Oct 2012 10:20 MC			Datafile: 121019P2-09		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n	
2378-TCDD	27.55	4.86E+06	0.81	Y	1.08	1.12	4%	
12378-PeCDD	33.86	1.53E+07	1.62	Y	1.07	1.06	-2%	
123478-HxCDD	38.50	1.47E+07	1.25	Y	1.05	1.09	3%	
123678-HxCDD	38.63	1.60E+07	1.28	Y	0.98	1.00	2%	
123789-HxCDD	38.98	1.46E+07	1.24	Y	1.01	0.99	-2%	
1234678-HpCDD	42.66	1.24E+07	1.06	Y	1.09	1.10	1%	
OCDD	46.41	1.80E+07	0.91	Y	1.11	1.03	-7%	
2378-TCDF	26.55	7.73E+06	0.78	Y	0.98	1.00	2%	
12378-PeCDF	32.12	2.97E+07	1.52	Y	0.99	1.03	4%	
23478-PeCDF	33.44	2.90E+07	1.52	Y	1.02	1.05	3%	
123478-HxCDF	37.33	2.41E+07	1.24	Y	1.19	1.20	1%	
123678-HxCDF	37.50	2.62E+07	1.23	Y	1.16	1.19	3%	
234678-HxCDF	38.28	2.74E+07	1.25	Y	1.18	1.24	6%	
123789-HxCDF	39.41	2.03E+07	1.28	Y	1.09	1.12	3%	
1234678-HpCDF	41.39	2.14E+07	1.02	Y	1.35	1.33	-1%	
1234789-HpCDF	43.27	1.73E+07	1.03	Y	1.34	1.38	3%	
OCDF	46.66	2.31E+07	0.89	Y	1.40	1.33	-5%	
ES 2378-TCDD	27.52	4.32E+07	0.82	Y	1.04	0.99	-5%	
ES 12378-PeCDD	33.84	2.91E+07	1.60	Y	0.87	0.67	-23%	
ES 123478-HxCDD	38.48	2.71E+07	1.28	Y	0.94	0.97	3%	
ES 123678-HxCDD	38.61	3.19E+07	1.30	Y	1.06	1.14	7%	
ES 1234678-HpCDD	42.64	2.25E+07	1.09	Y	0.80	0.80	1%	
ES OCDD	46.40	3.49E+07	0.91	Y	0.63	0.62	-1%	
ES 2378-TCDF	26.52	7.76E+07	0.77	Y	1.74	1.78	2%	
ES 12378-PeCDF	32.10	5.79E+07	1.53	Y	1.49	1.33	-11%	
ES 23478-PeCDF	33.42	5.54E+07	1.57	Y	1.48	1.27	-14%	
ES 123478-HxCDF	37.32	4.03E+07	0.53	Y	1.27	1.44	13%	
ES 123678-HxCDF	37.48	4.42E+07	0.53	Y	1.41	1.58	12%	
ES 234678-HpCDF	38.26	4.40E+07	0.52	Y	1.34	1.57	17%	
ES 123789-HpCDF	39.39	3.63E+07	0.53	Y	1.20	1.30	8%	
ES 1234678-HpCDD	41.37	3.20E+07	0.44	Y	1.06	1.15	8%	
ES 1234789-HpCDF	43.26	2.51E+07	0.45	Y	0.82	0.90	9%	

METHOD 1613

PCDD/F CALIBRATION VERIFICATION

FORM 4A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: 1613_SGS
 Instrument ID: MM1
 VER Data Filename: 121019P1-01
 GC Column ID: ZB-5ms
 Analysis Date: 19-OCT-2012 14:41:36

NATIVE ANALYTES	M/Z's	FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2		0.78	0.65 - 0.89	Y	10.5	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4		1.58	1.32 - 1.78	Y	48.7	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4		1.32	1.05 - 1.43	Y	50.2	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4		1.28	1.05 - 1.43	Y	51.5	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4		1.27	1.05 - 1.43	Y	48.2	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4		1.06	0.88 - 1.20	Y	48.8	43 - 58	Y
OCDD	M+2/M+4		0.88	0.76 - 1.02	Y	93.8	79 - 126	Y
2,3,7,8-TCDF	M/M+2		0.79	0.65 - 0.89	Y	10.2	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4		1.50	1.32 - 1.78	Y	50.6	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4		1.53	1.32 - 1.78	Y	50.4	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4		1.24	1.05 - 1.43	Y	48.8	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4		1.22	1.05 - 1.43	Y	49.1	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4		1.29	1.05 - 1.43	Y	51.8	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4		1.27	1.05 - 1.43	Y	50.1	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4		1.04	0.88 - 1.20	Y	52.3	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4		1.03	0.88 - 1.20	Y	51.7	43 - 58	Y
OCDF	M+2/M+4		0.91	0.76 - 1.02	Y	93.7	63 - 159	Y

See Table 9, Method 1613, for m/z specifications.

Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

Contract-required concentration range as specified in Table 6, Method 1613.

Processed: 21 Oct 2012 10:19 Analyst: MC

METHOD 1613

PCDD/F CALIBRATION VERIFICATION

FORM 4B

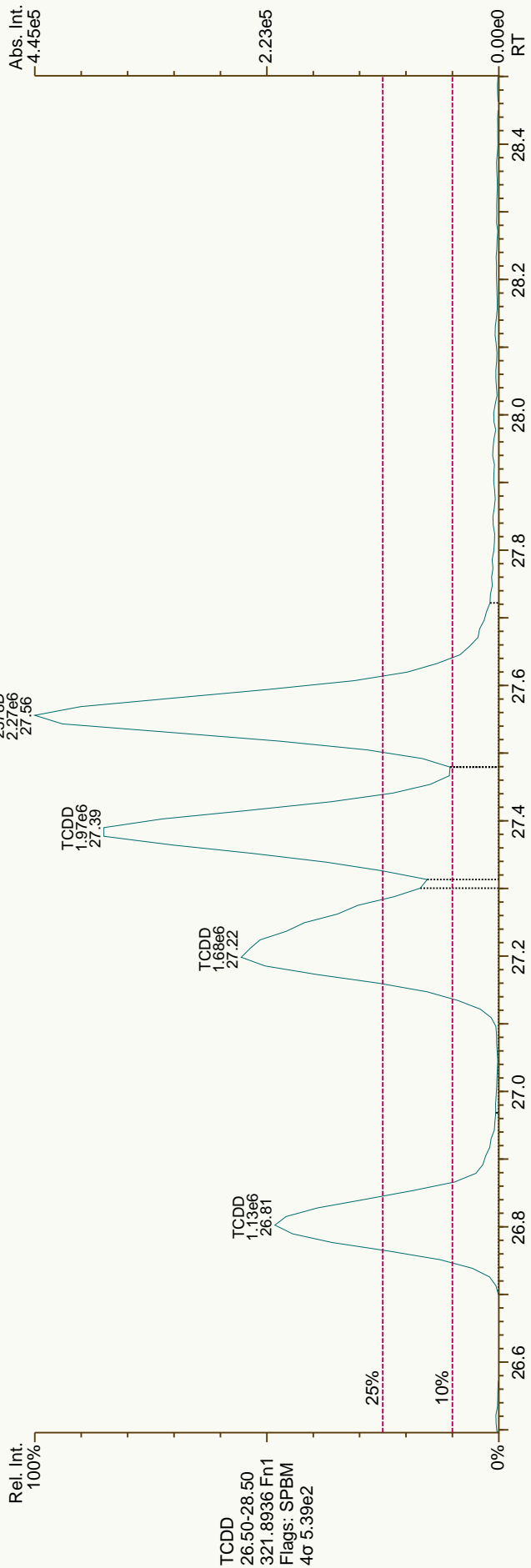
Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: 1613_SGS
 Instrument ID: MM1
 VER Data Filename: 121019P1-01
 GC Column ID: ZB-5ms
 Analysis Date: 19-OCT-2012 14:41:36

LABELED ANALYTES	M/Z's	FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2		0.80	0.65 - 0.89	Y	95.8	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4		1.59	1.32 - 1.78	Y	83.2	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4		1.27	1.05 - 1.43	Y	103	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4		1.29	1.05 - 1.43	Y	109	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4		1.06	0.88 - 1.20	Y	99	72 - 138	Y
13C-OCDD	M+2/M+4		0.87	0.76 - 1.02	Y	205	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2		0.80	0.65 - 0.89	Y	100	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4		1.57	1.32 - 1.78	Y	95.2	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4		1.55	1.32 - 1.78	Y	89.2	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2		0.52	0.43 - 0.59	Y	113	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2		0.54	0.43 - 0.59	Y	114	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2		0.54	0.43 - 0.59	Y	107	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2		0.53	0.43 - 0.59	Y	107	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2		0.44	0.37 - 0.51	Y	104	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2		0.45	0.37 - 0.51	Y	99.3	77 - 129	Y

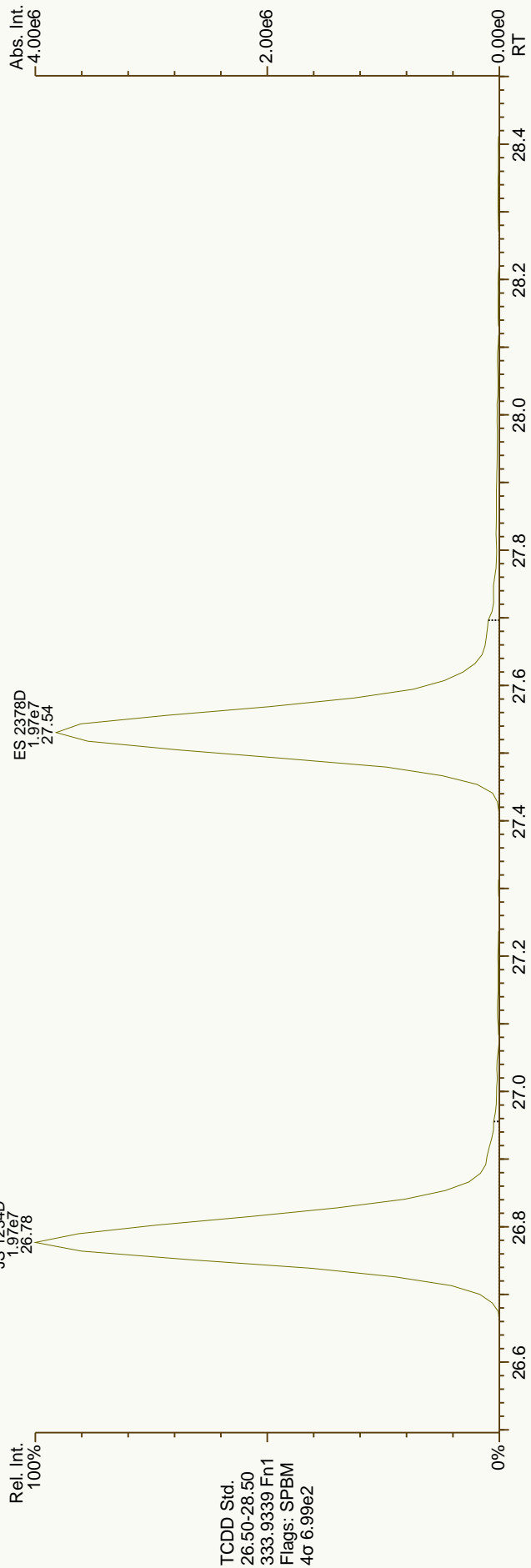
CLEANUP STANDARDS

37Cl-2,3,7,8-TCDD n/a 9.28 7.9 - 12.7 Y

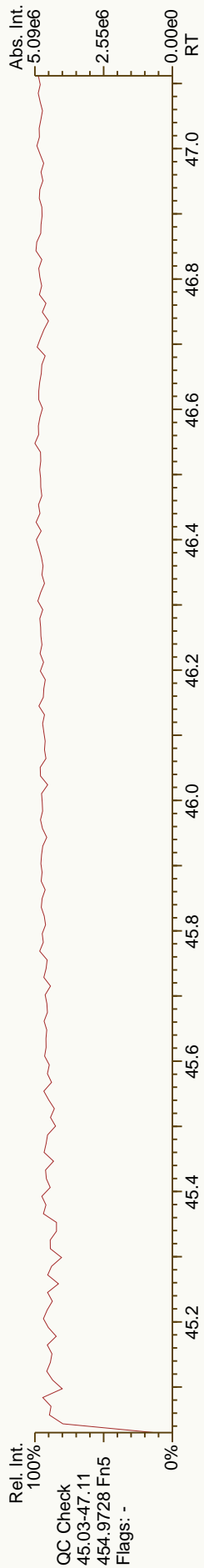
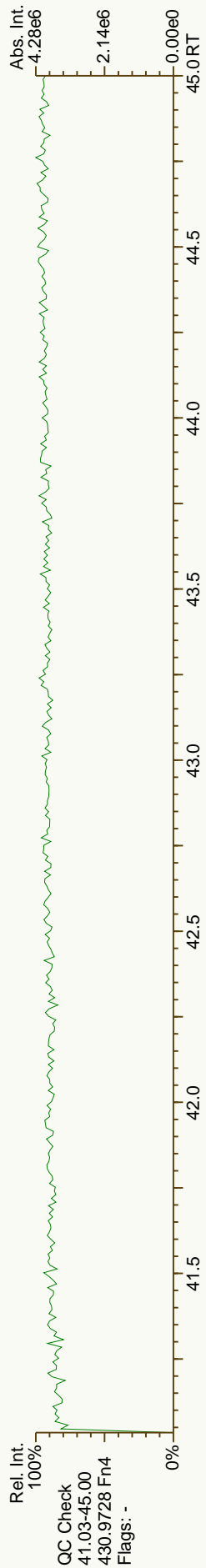
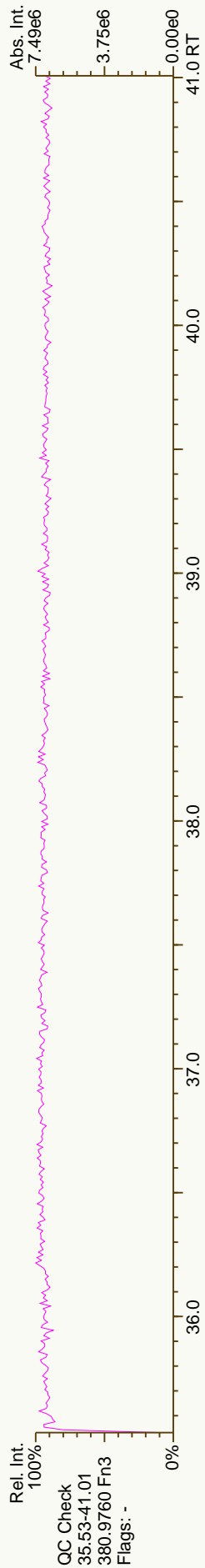
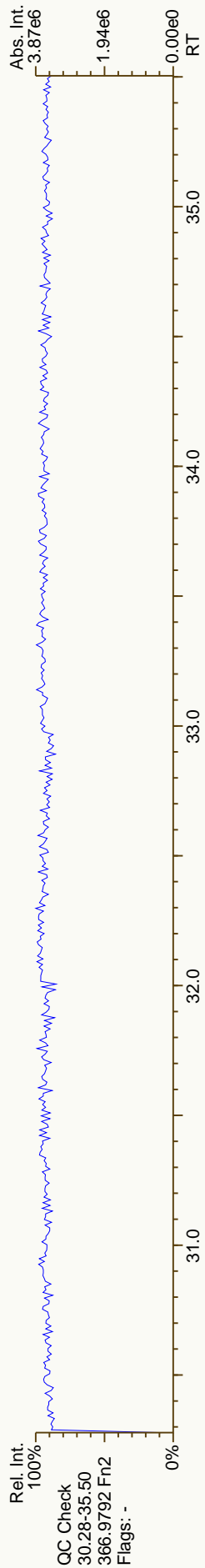
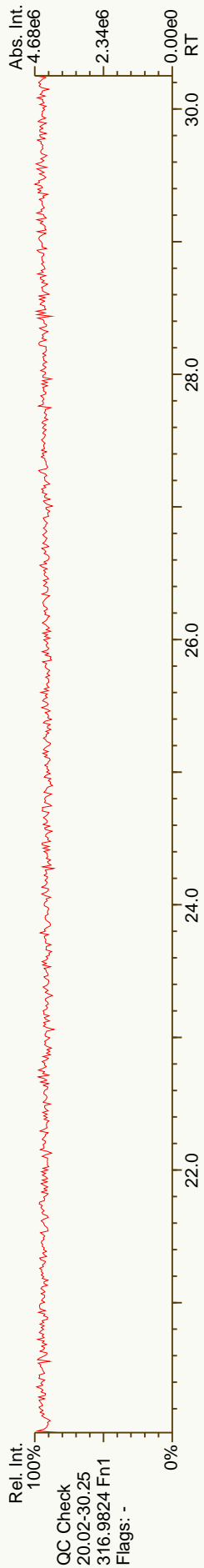
Processed: 21 Oct 2012 10:19 Analyst: MC

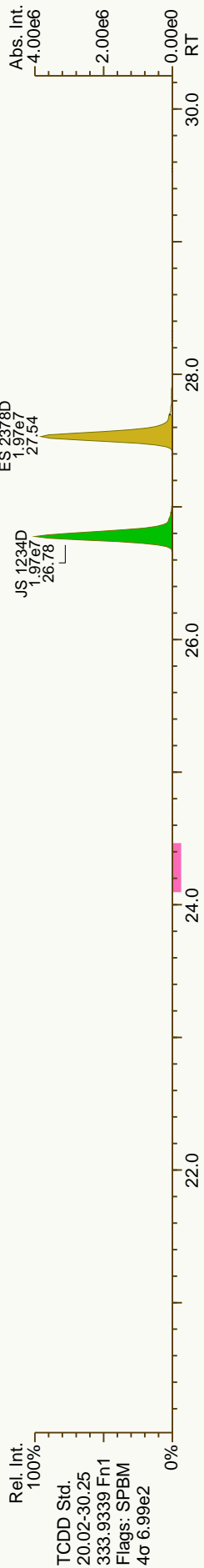
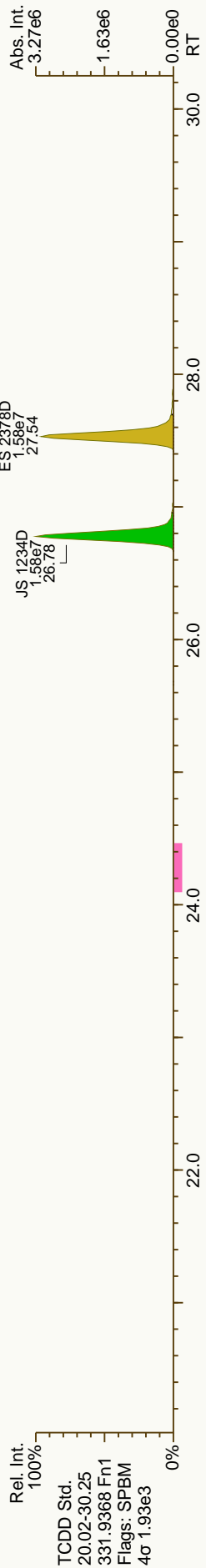
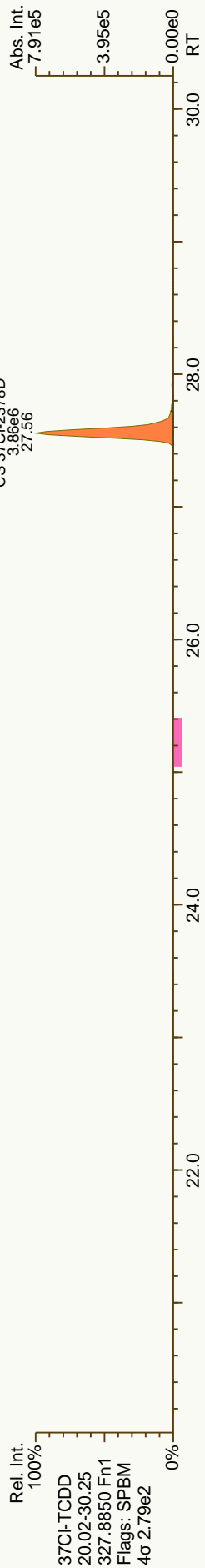
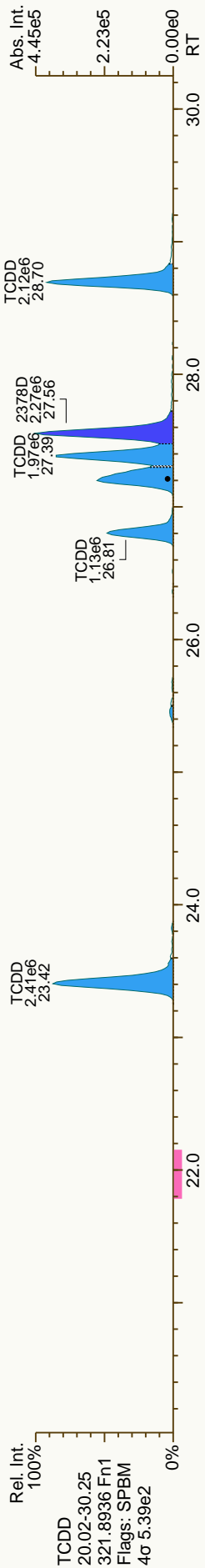
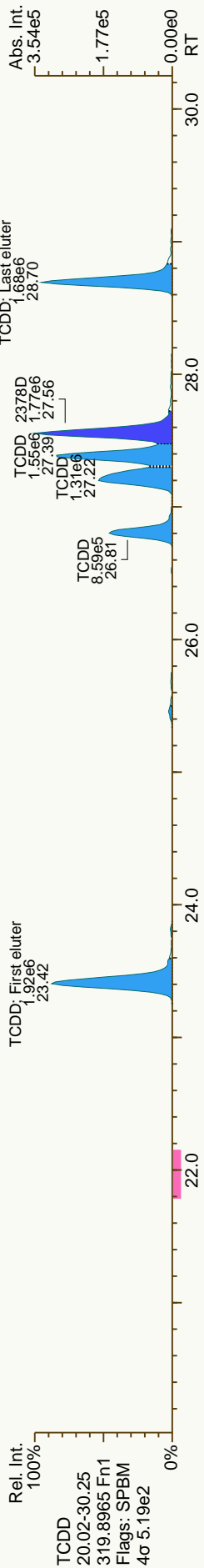


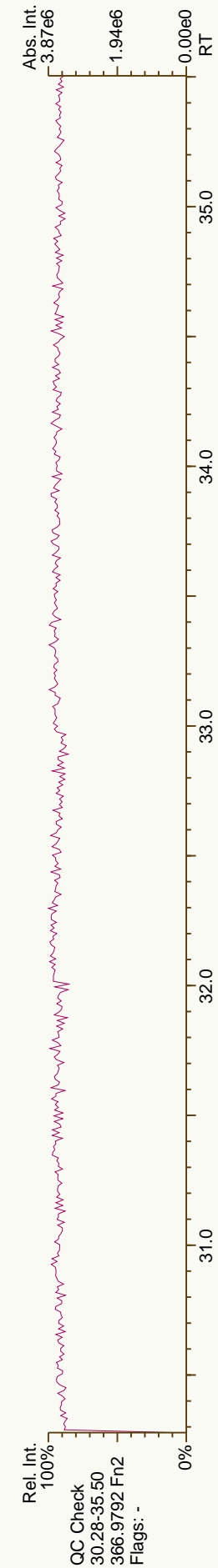
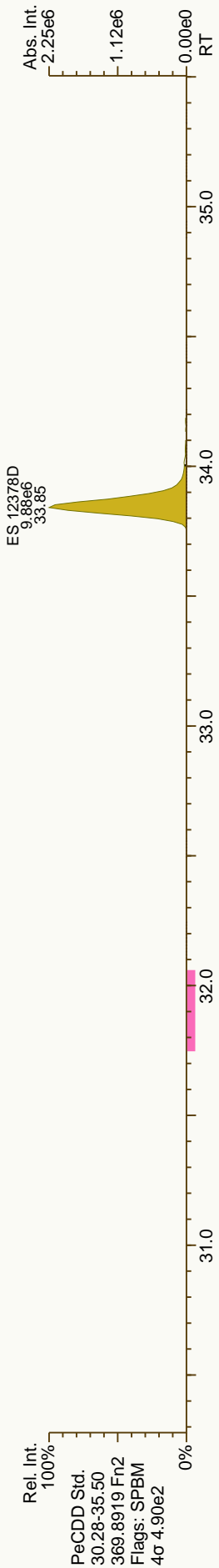
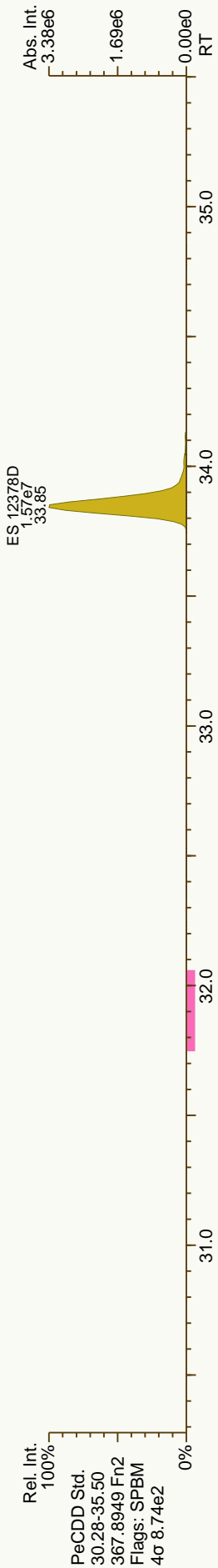
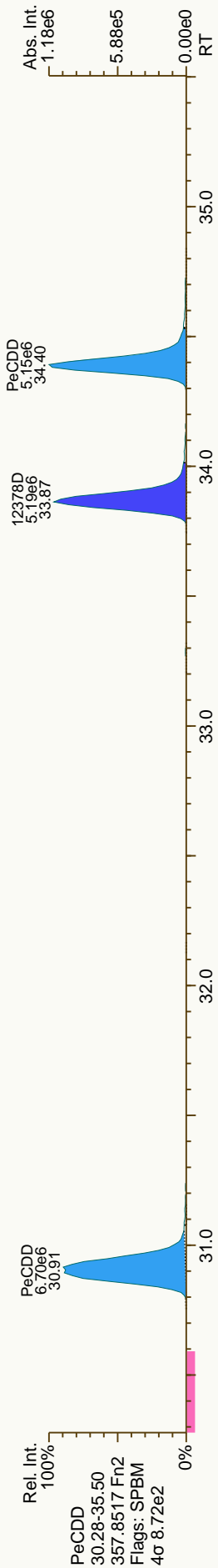
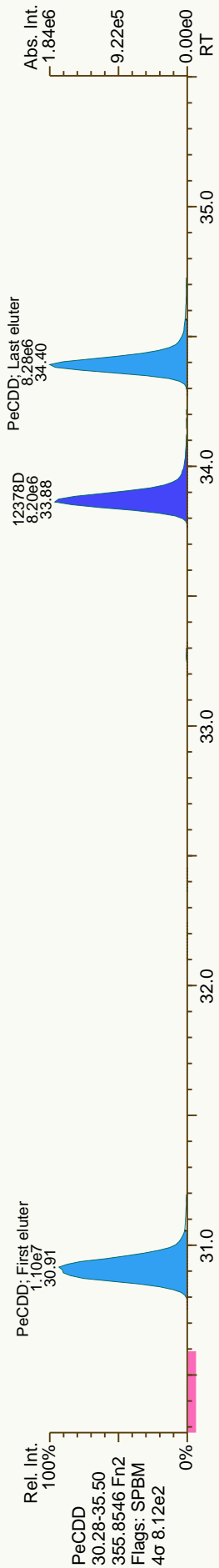
TCDD
 26.50-28.50
 321.8936 Fn1
 Flags: SPBM
 4σ 5.39e2

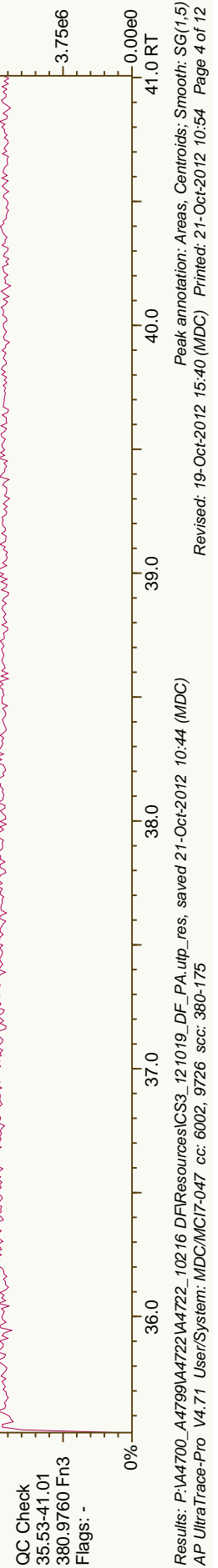
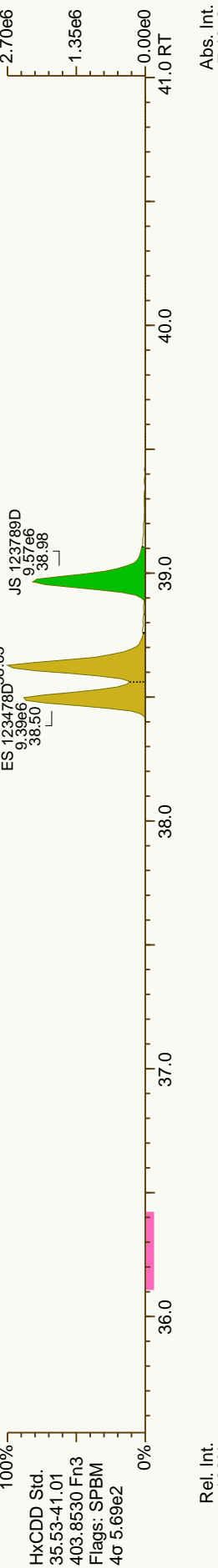
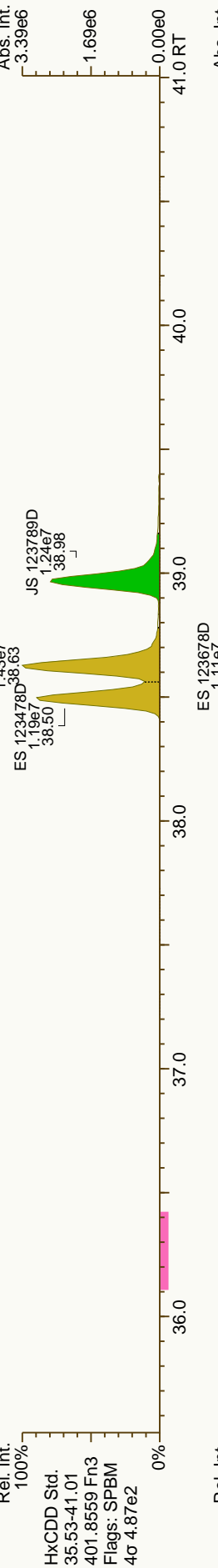
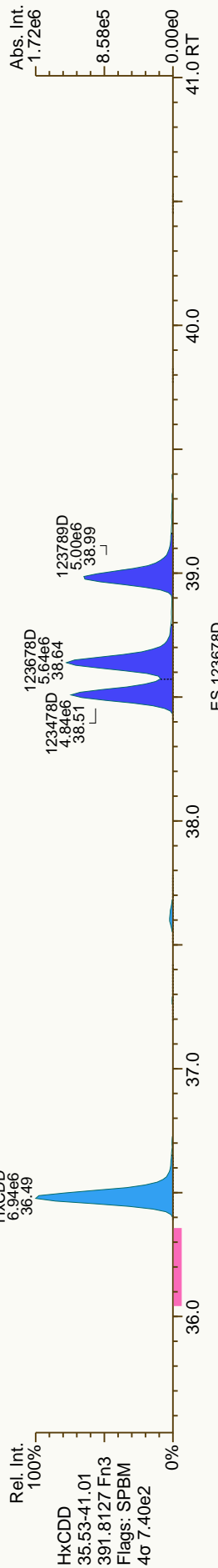
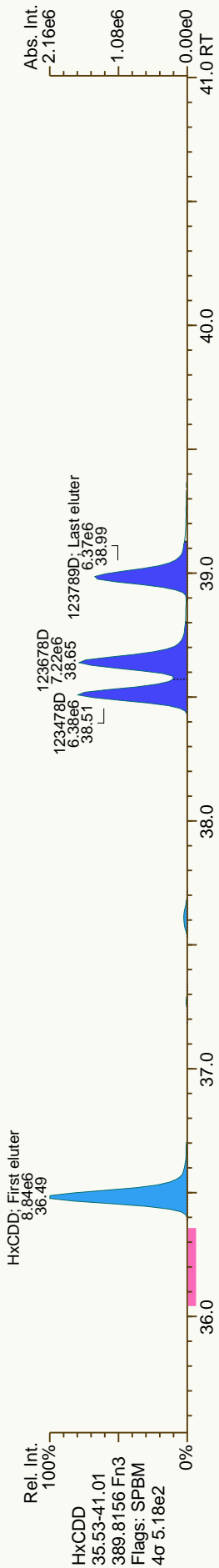


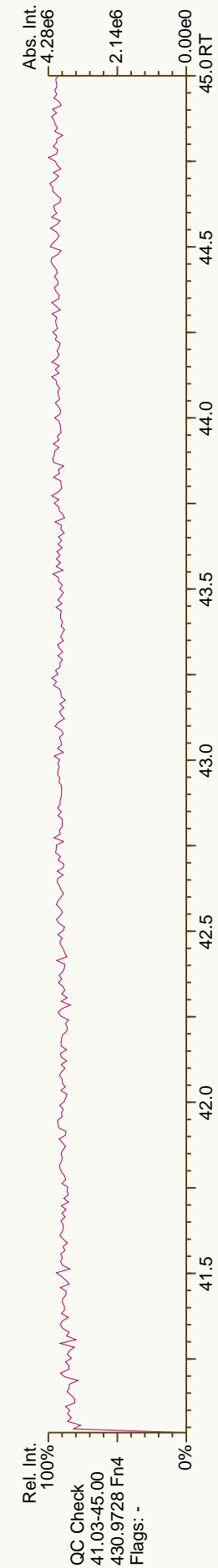
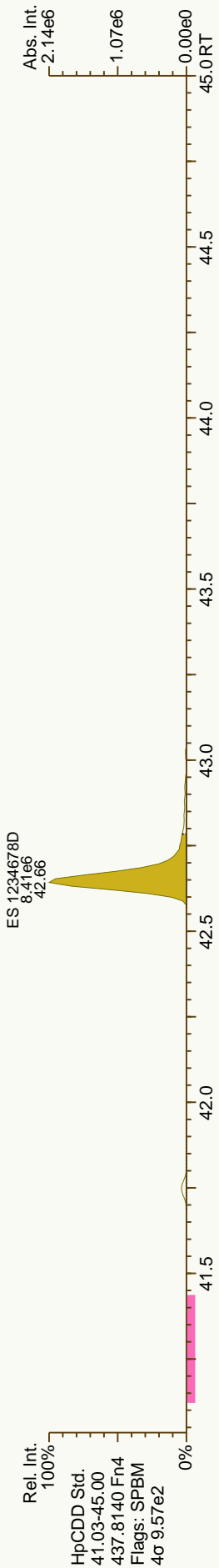
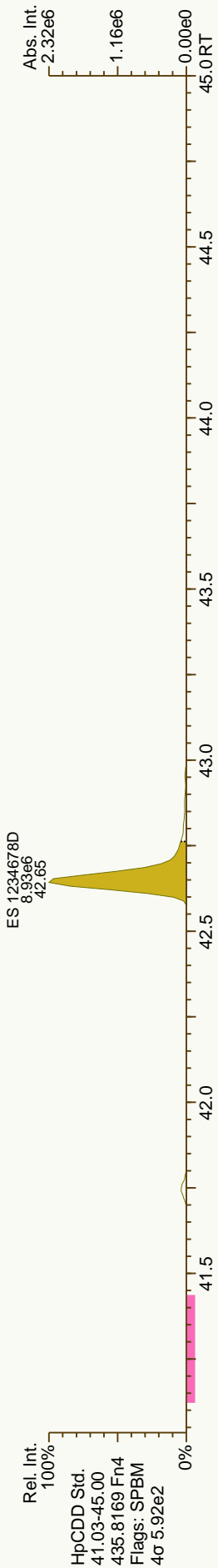
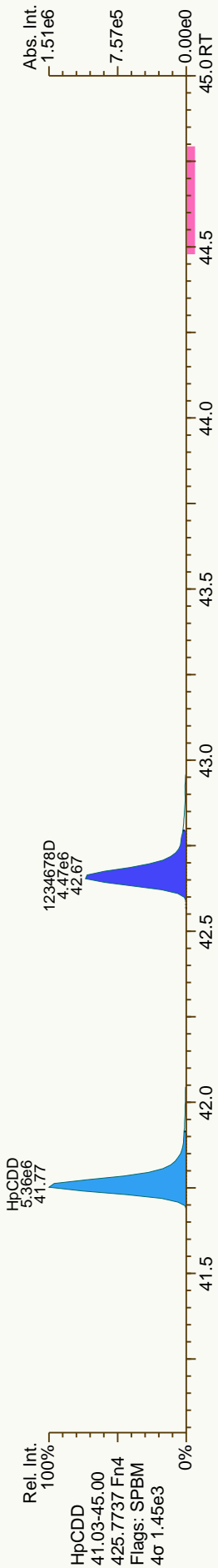
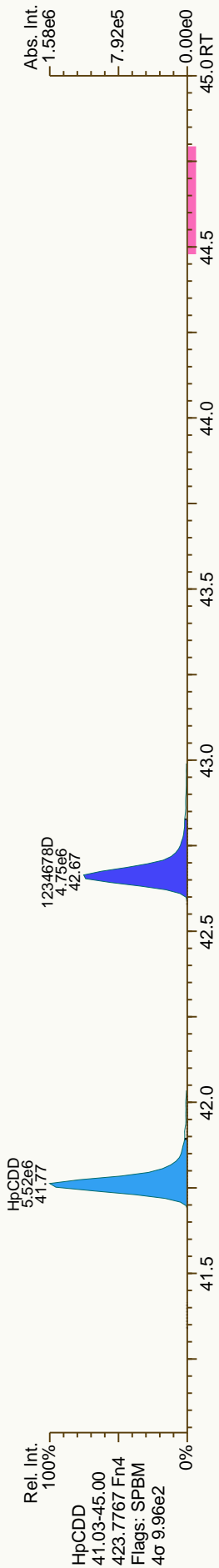
TCDD Std.
 26.50-28.50
 333.9339 Fn1
 Flags: SPBM
 4σ 6.99e2

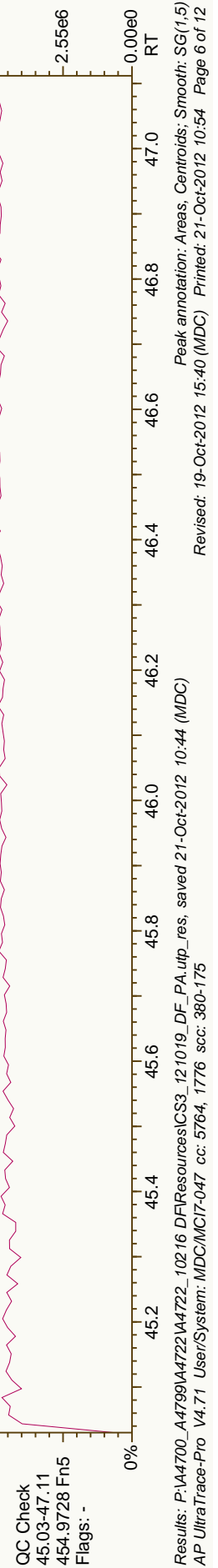
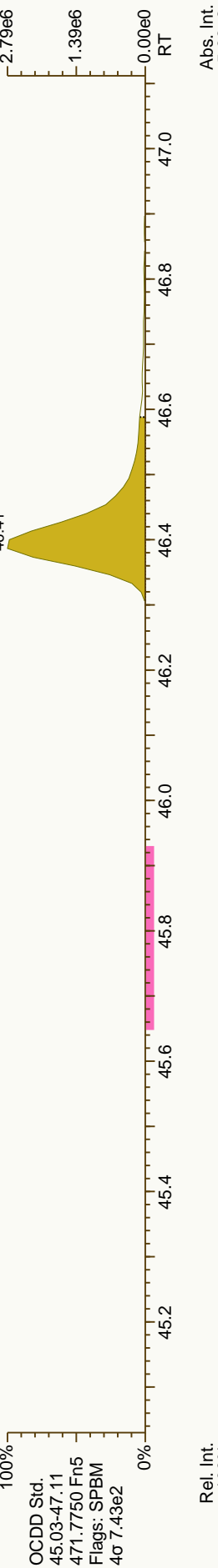
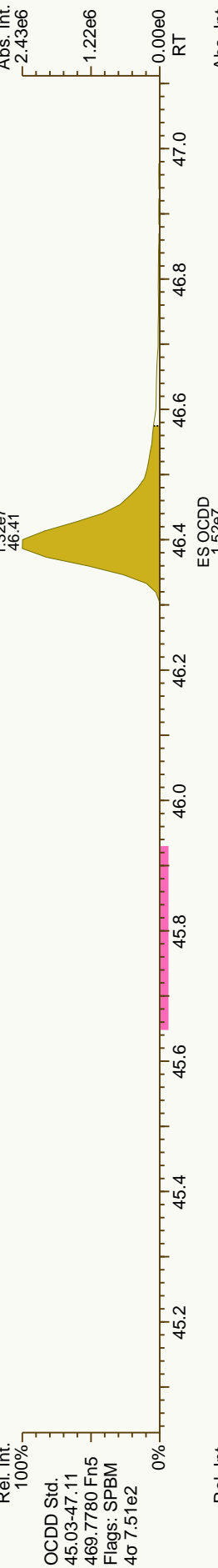
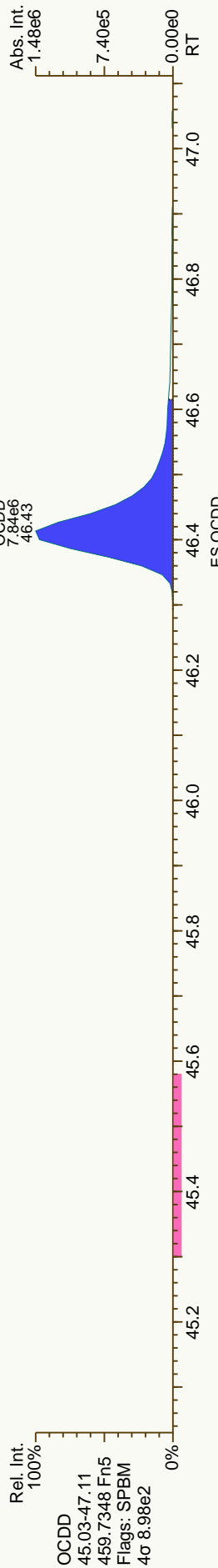
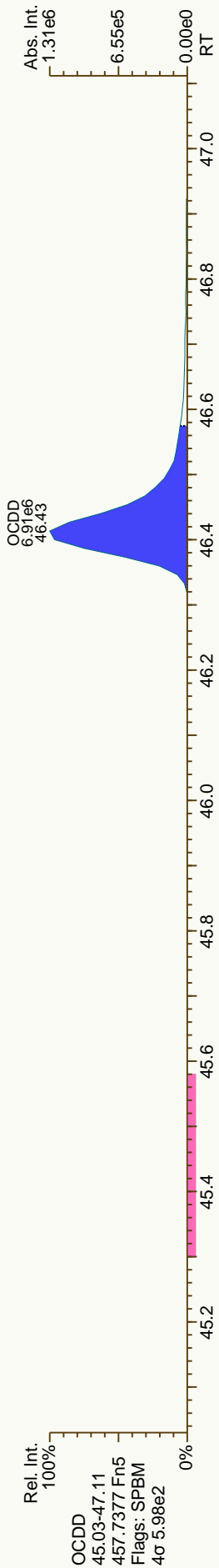


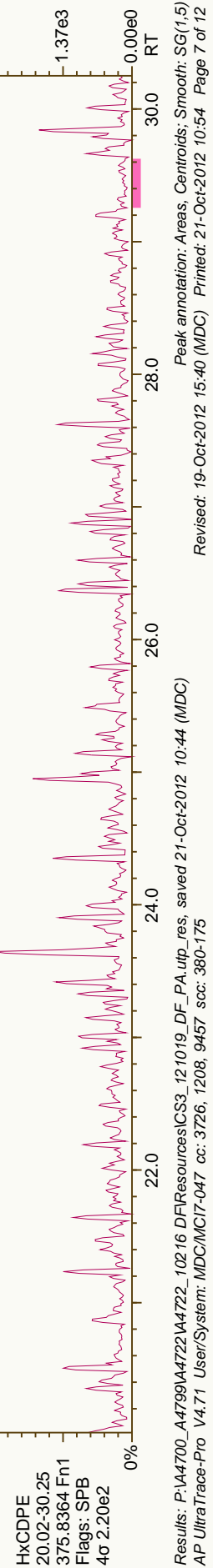
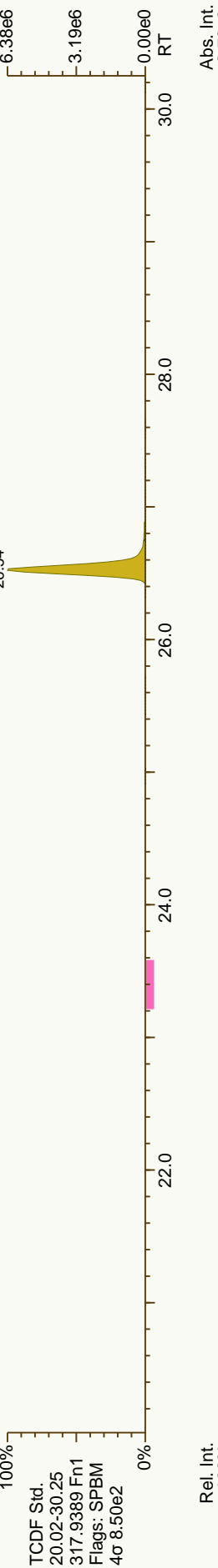
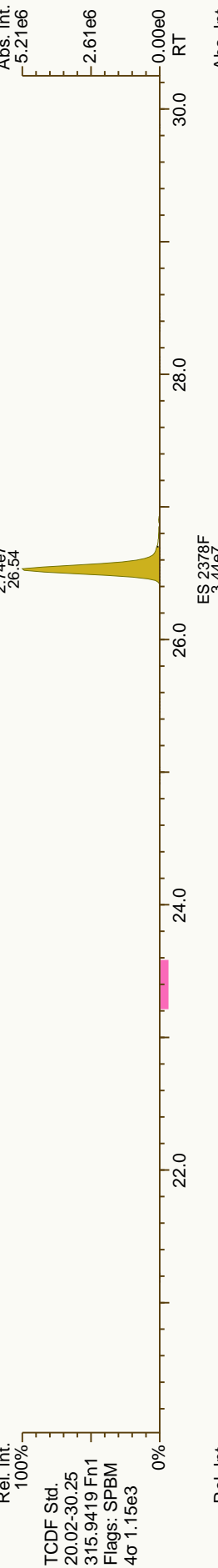
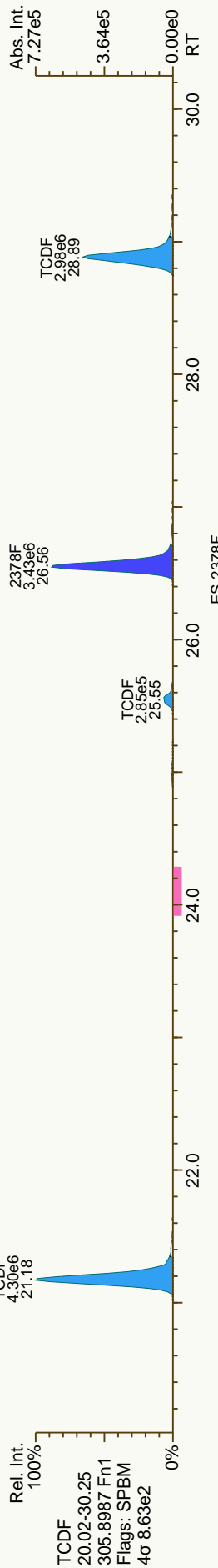
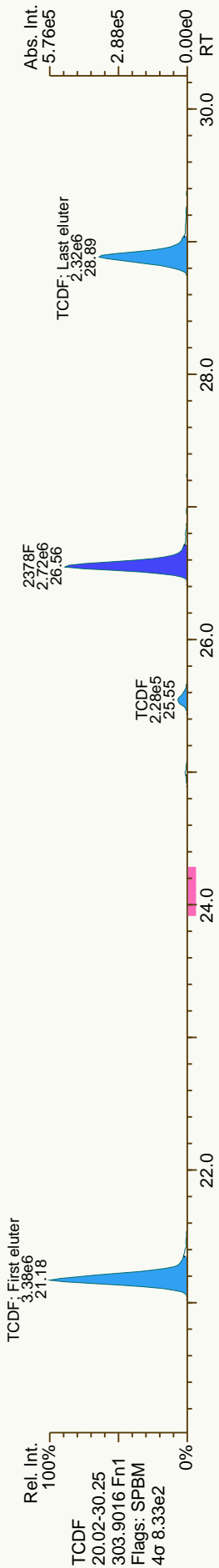


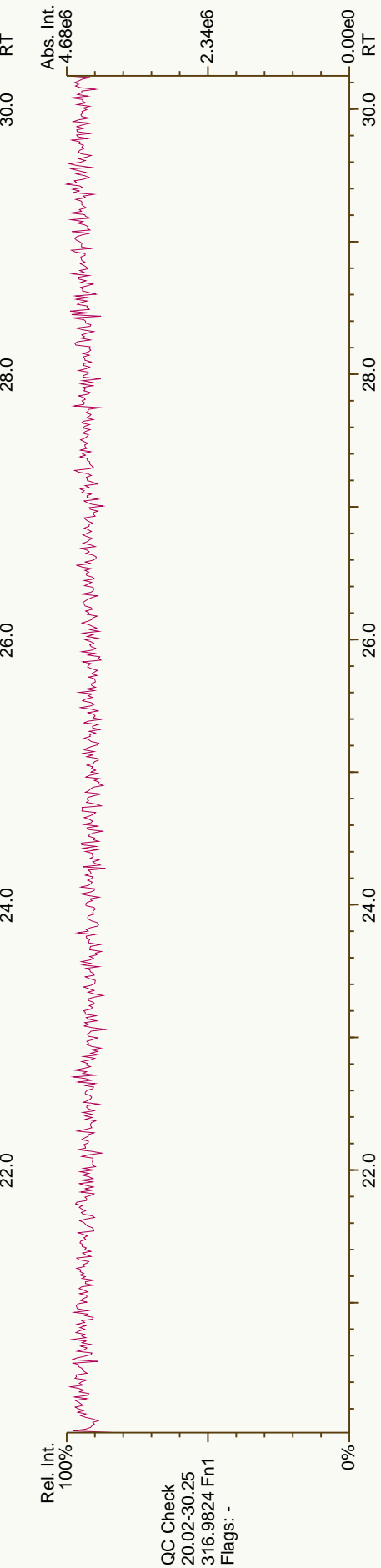
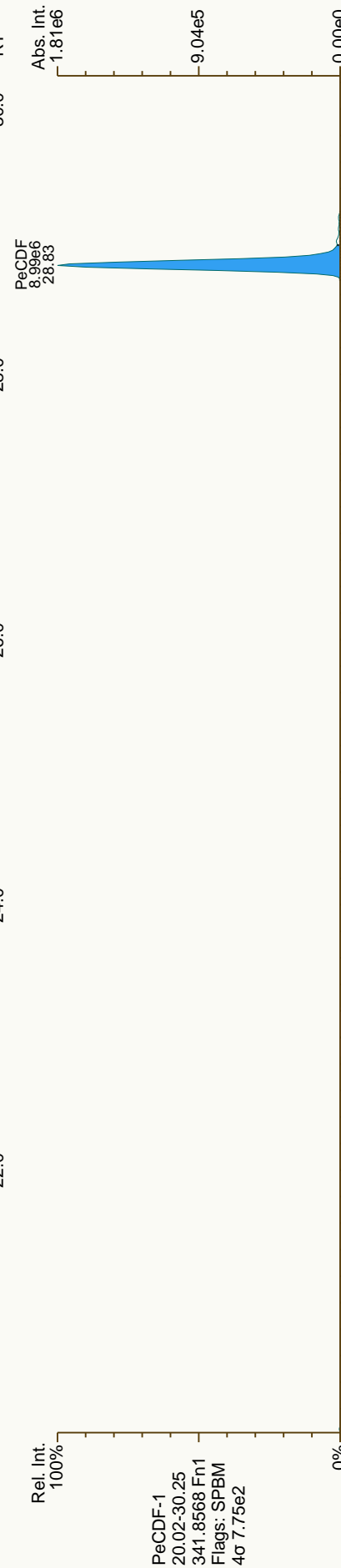
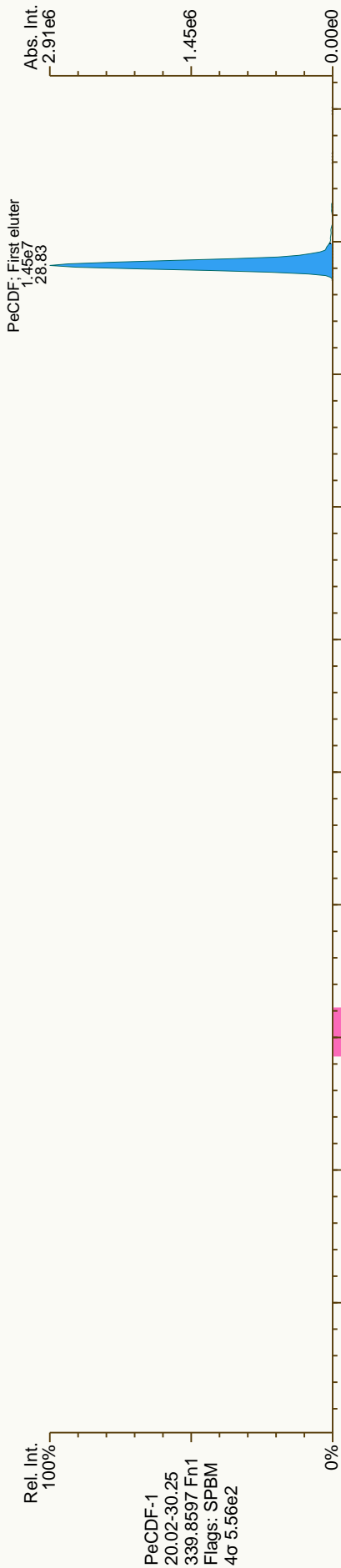


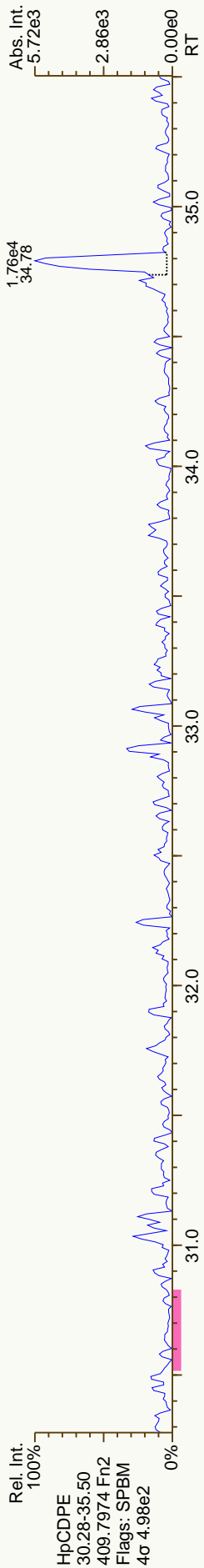
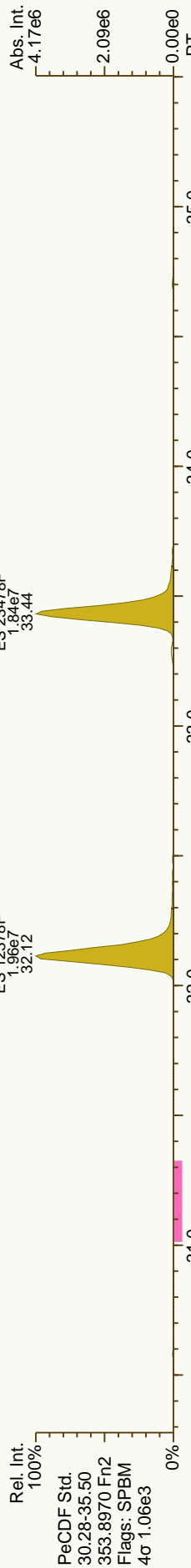
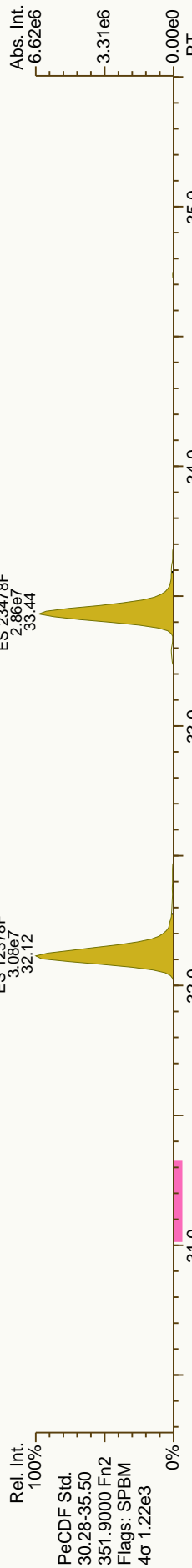
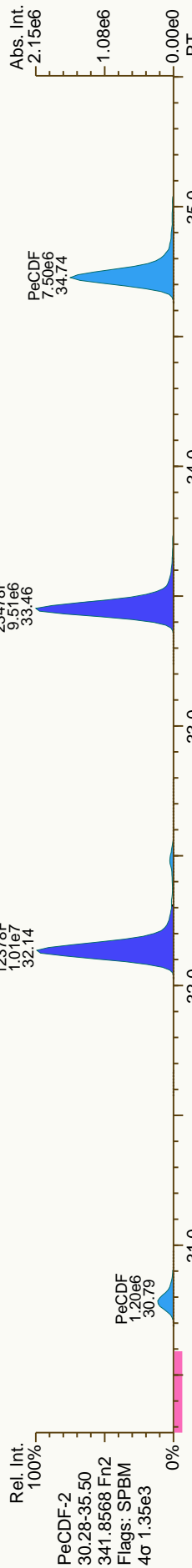
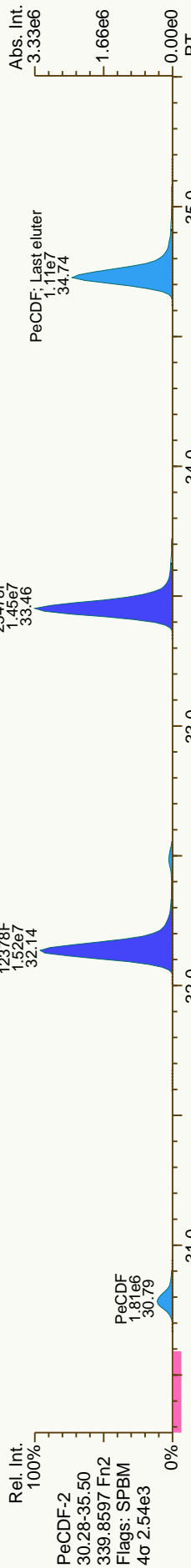


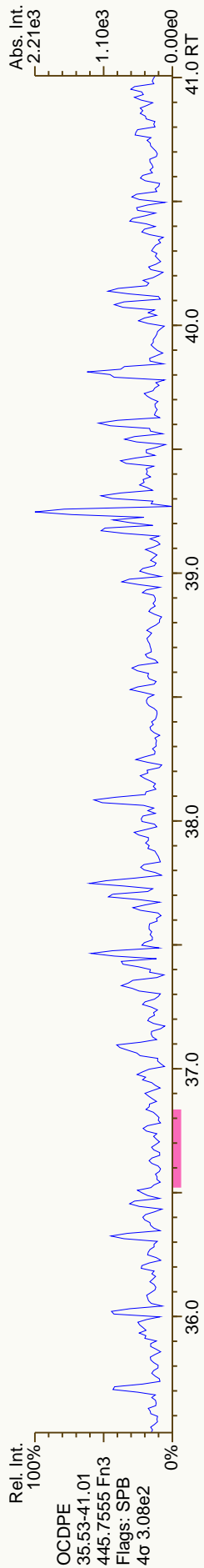
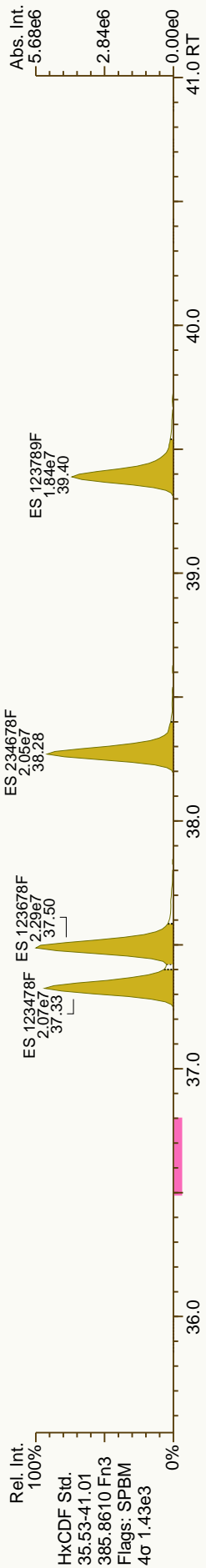
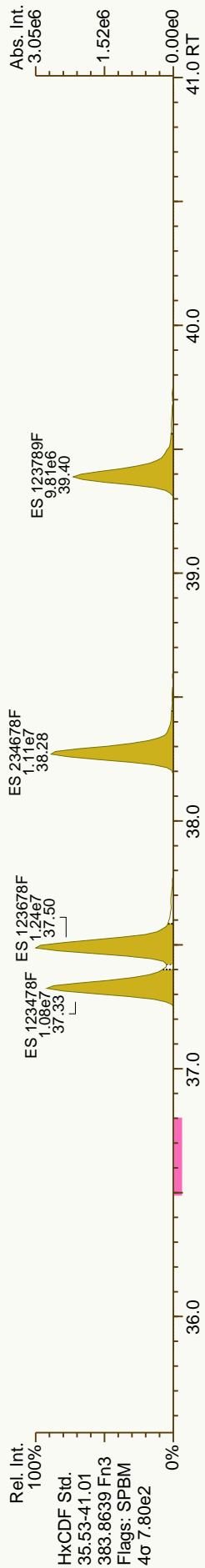
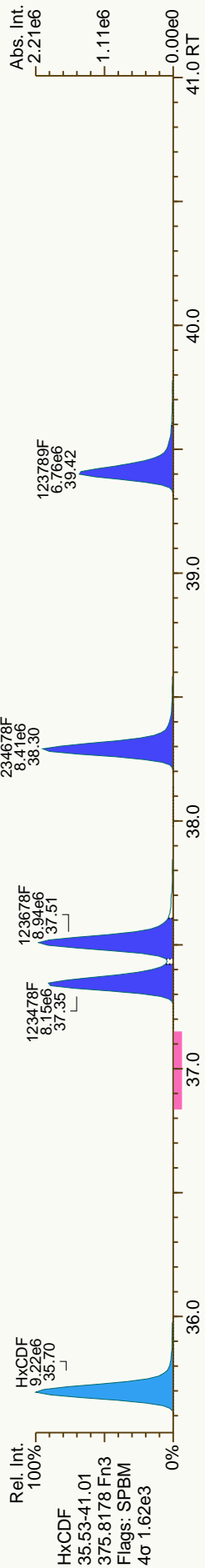
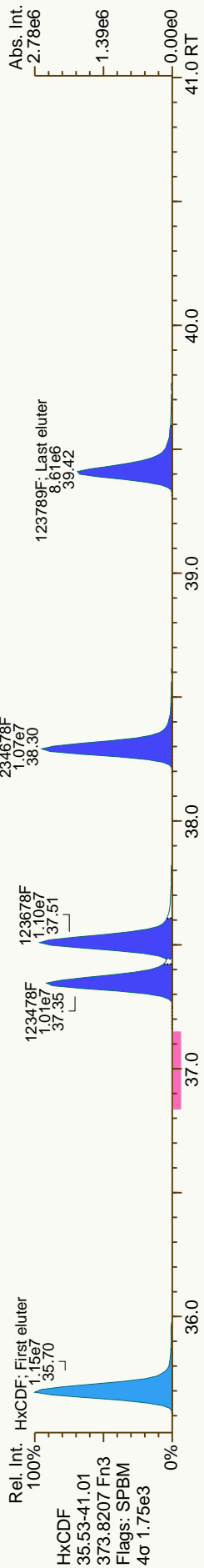


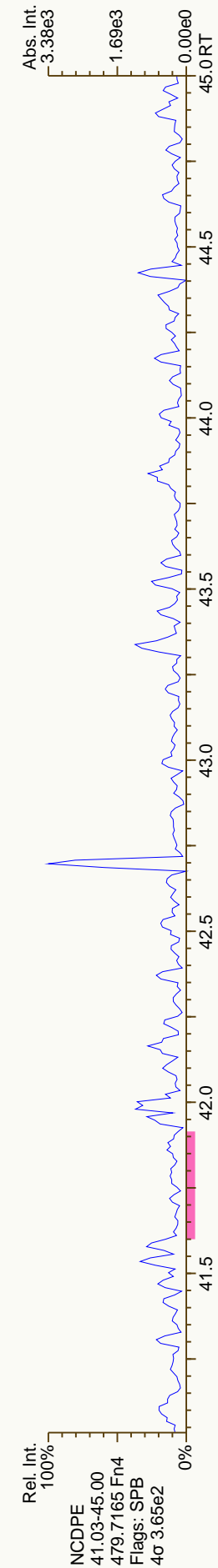
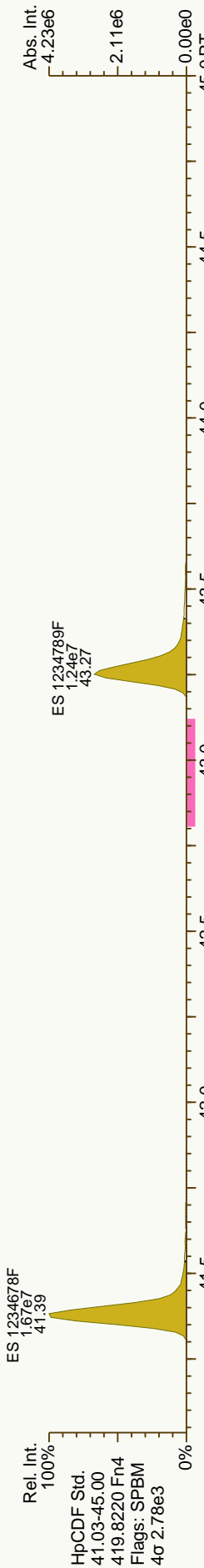
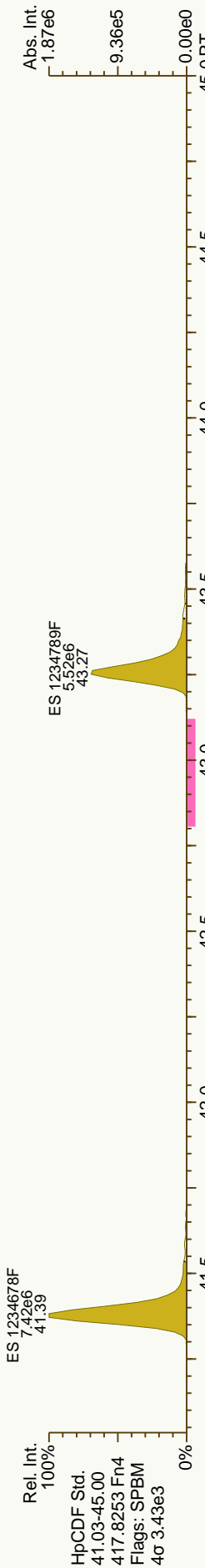
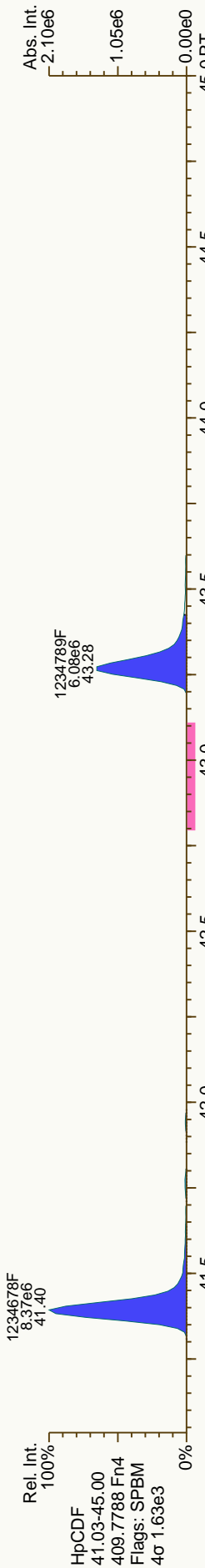
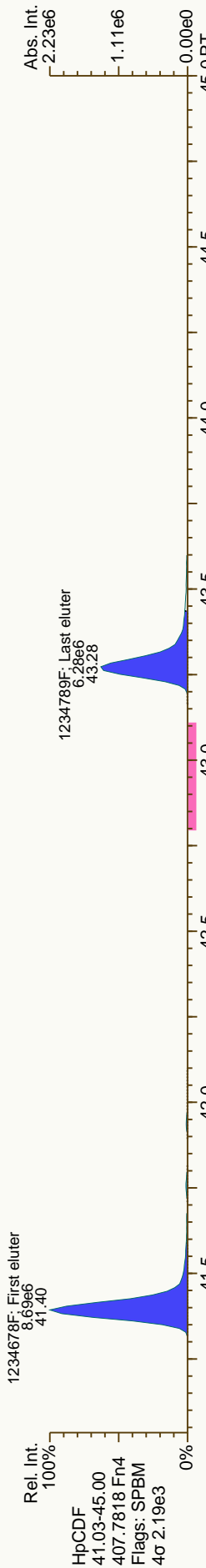


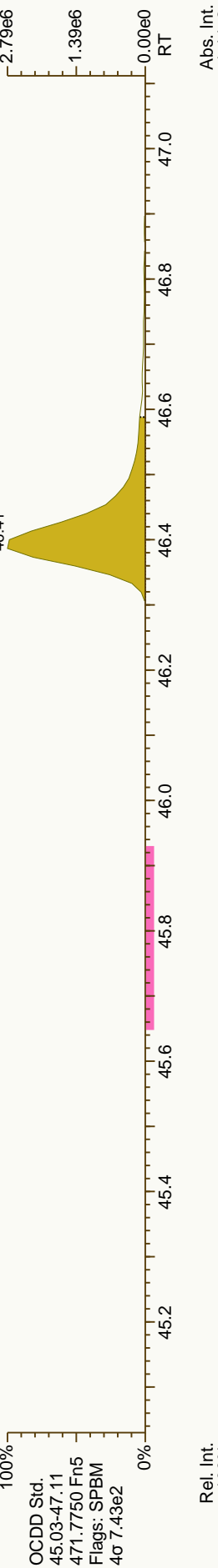
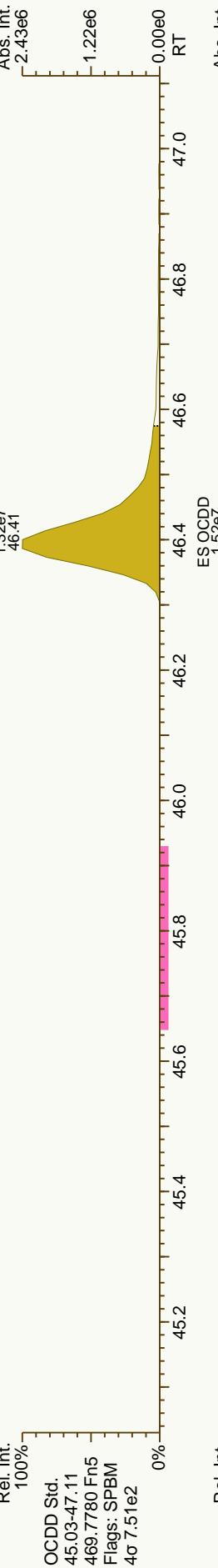
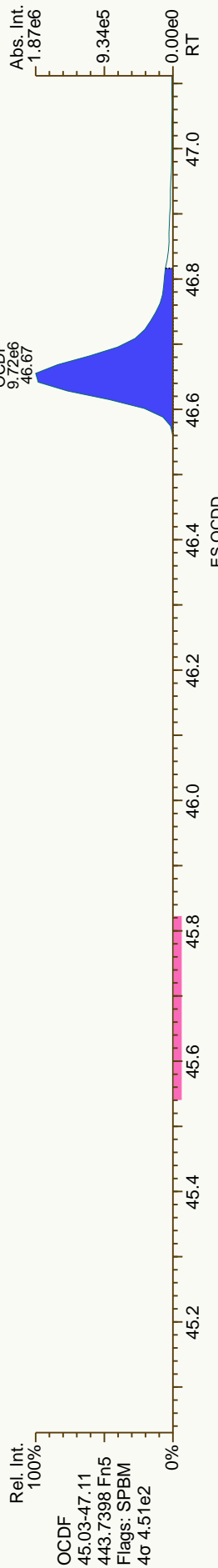
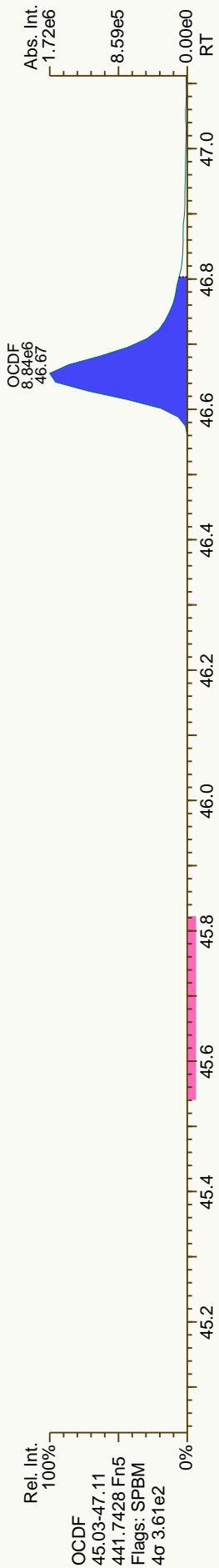












METHOD 1613

PCDD/F CALIBRATION VERIFICATION

FORM 4A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: 1613_SGS
 Instrument ID: MM1
 VER Data Filename: 121019P1-12

GC Column ID: ZB-5ms
 Analysis Date: 20-OCT-2012 00:03:21

NATIVE ANALYTES	M/Z's	FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2		0.79	0.65 - 0.89	Y	10.7	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4		1.55	1.32 - 1.78	Y	49.4	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4		1.28	1.05 - 1.43	Y	51.8	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4		1.26	1.05 - 1.43	Y	51.7	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4		1.29	1.05 - 1.43	Y	50.4	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4		1.04	0.88 - 1.20	Y	48.9	43 - 58	Y
OCDD	M+2/M+4		0.90	0.76 - 1.02	Y	94.4	79 - 126	Y
2,3,7,8-TCDF	M/M+2		0.79	0.65 - 0.89	Y	10.3	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4		1.48	1.32 - 1.78	Y	51.5	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4		1.55	1.32 - 1.78	Y	50.6	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4		1.26	1.05 - 1.43	Y	50.1	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4		1.25	1.05 - 1.43	Y	50.1	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4		1.25	1.05 - 1.43	Y	52	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4		1.25	1.05 - 1.43	Y	51.2	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4		1.03	0.88 - 1.20	Y	53.4	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4		1.04	0.88 - 1.20	Y	52	43 - 58	Y
OCDF	M+2/M+4		0.89	0.76 - 1.02	Y	99	63 - 159	Y

See Table 9, Method 1613, for m/z specifications.

Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

Contract-required concentration range as specified in Table 6, Method 1613.

Processed: 21 Oct 2012 10:19 Analyst: MC

METHOD 1613

PCDD/F CALIBRATION VERIFICATION

FORM 4B

Lab Name:

SGS Analytical Perspectives

Initial Calibration:

ICAL: 1613_SGS

Instrument ID:

MM1 GC Column ID: ZB-5ms

VER Data Filename:

121019P1-12 Analysis Date: 20-OCT-2012 00:03:21

LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.78	0.65 - 0.89	Y	96.7	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.58	1.32 - 1.78	Y	79.5	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	103	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.24	1.05 - 1.43	Y	107	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.04	0.88 - 1.20	Y	103	72 - 138	Y
13C-OCDD	M+2/M+4	0.94	0.76 - 1.02	Y	199	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.79	0.65 - 0.89	Y	101	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.56	1.32 - 1.78	Y	85.5	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.58	1.32 - 1.78	Y	88.4	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	114	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	116	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	111	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	109	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.43	0.37 - 0.51	Y	104	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	103	77 - 129	Y

CLEANUP STANDARDS

37Cl-2,3,7,8-TCDD

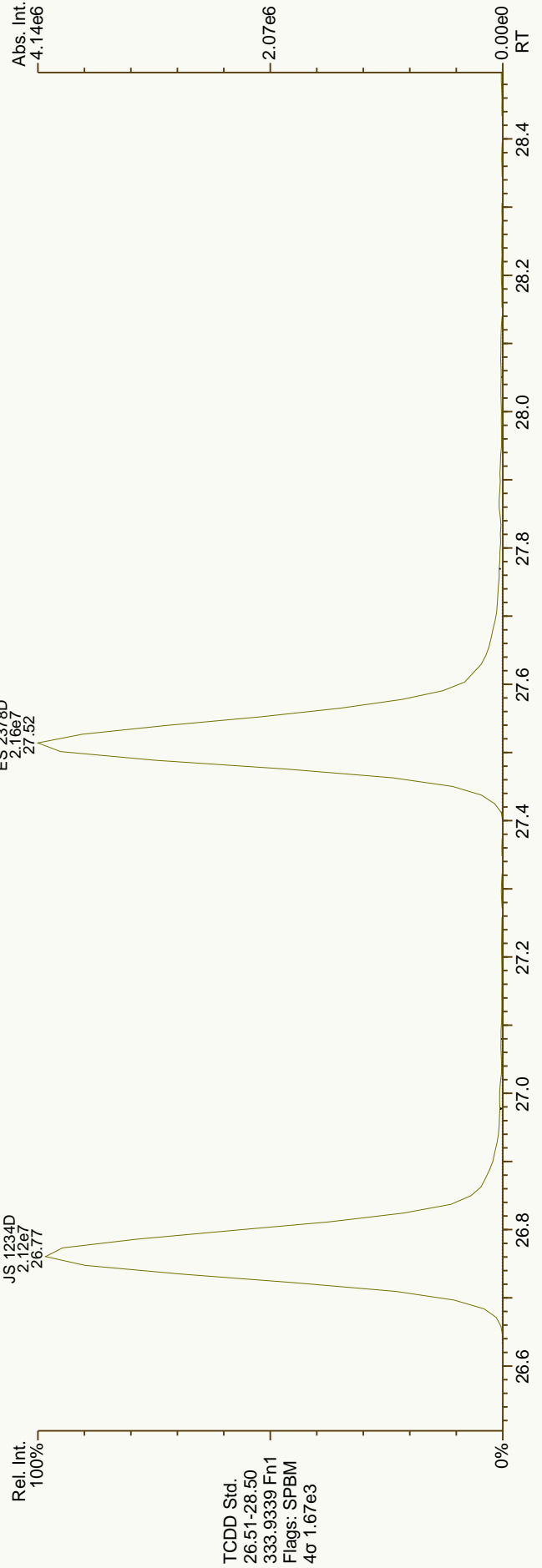
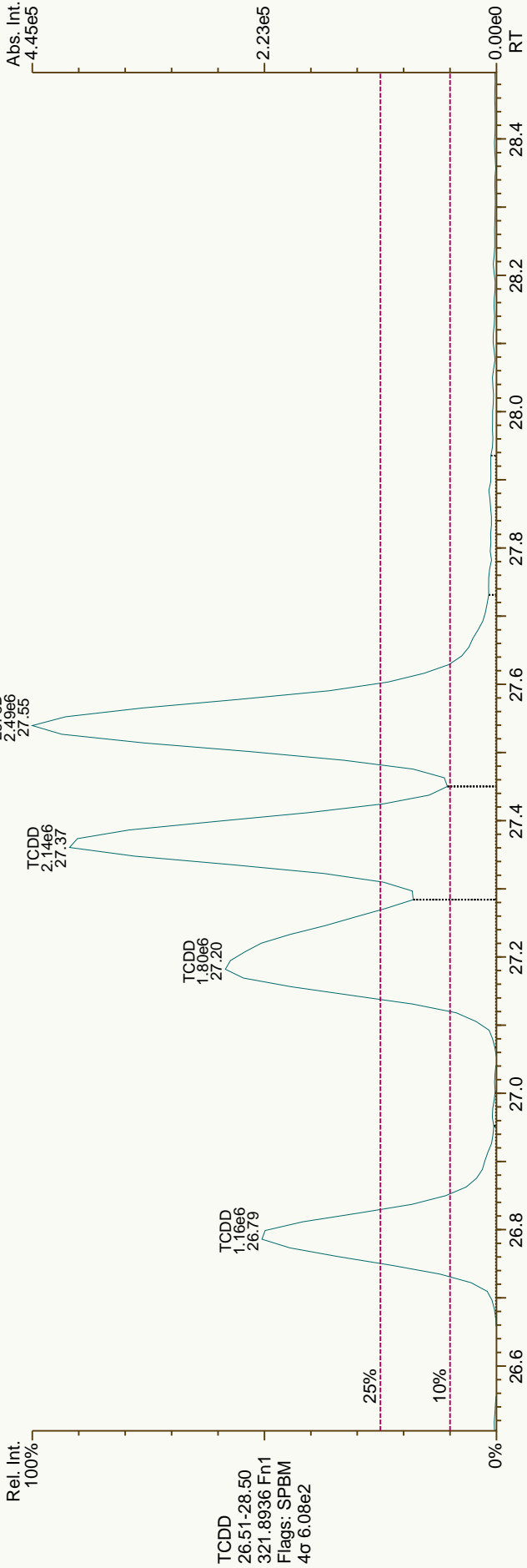
n/a

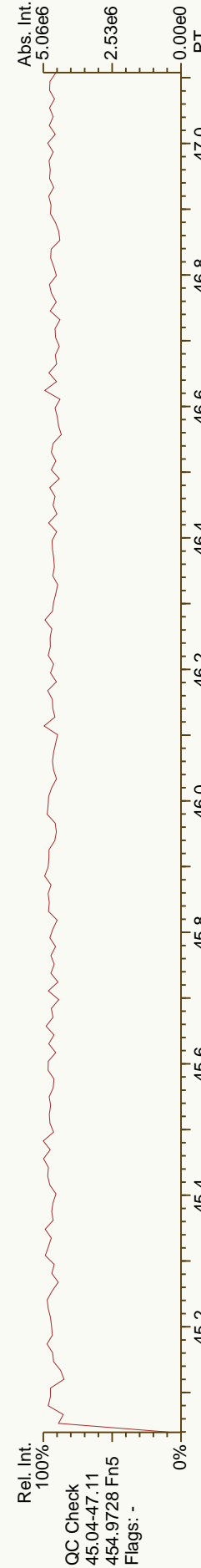
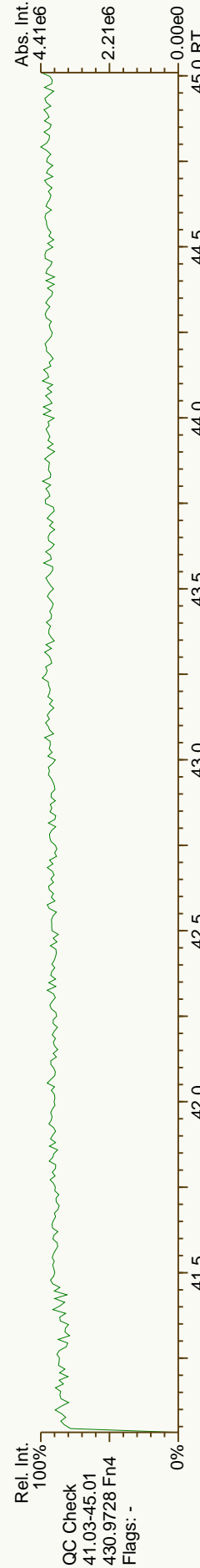
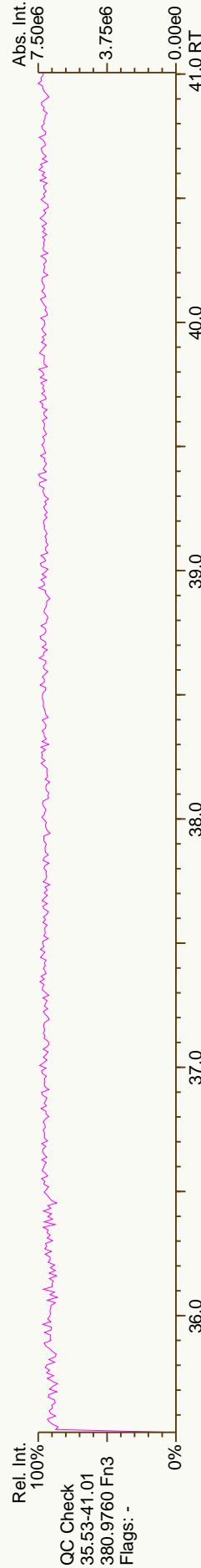
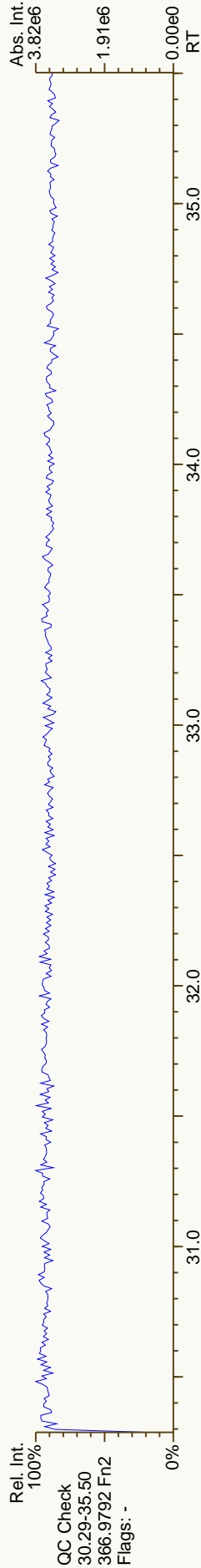
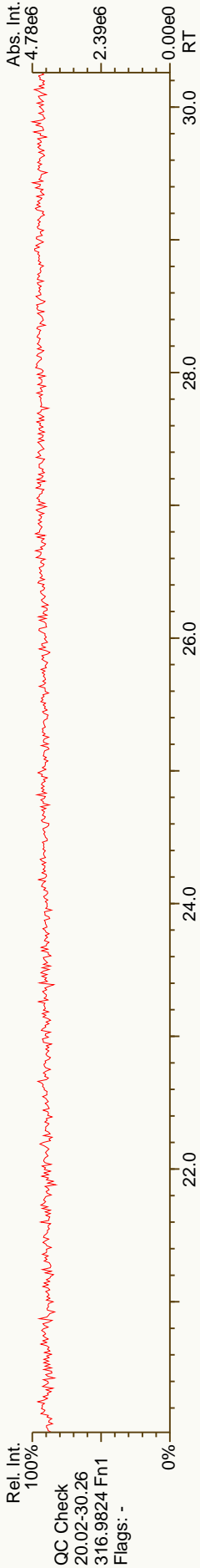
9.47 7.9 - 12.7

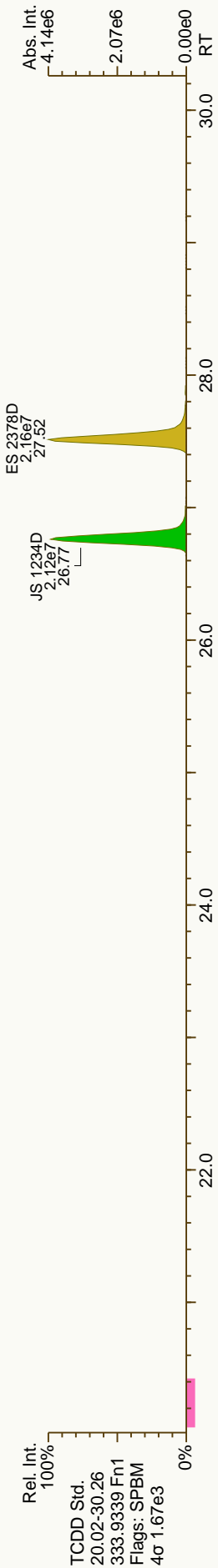
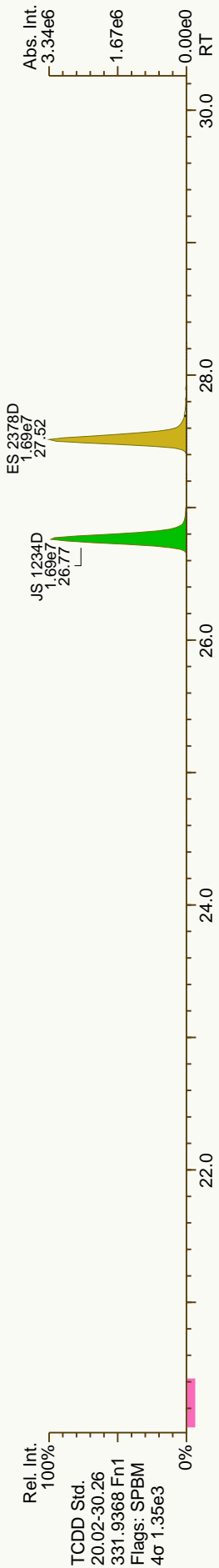
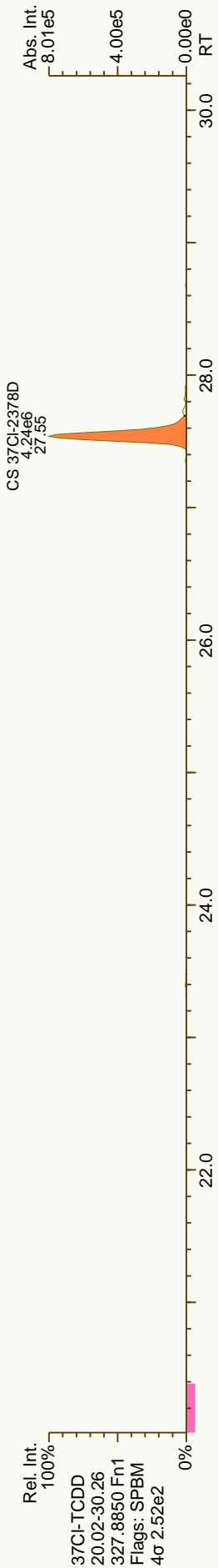
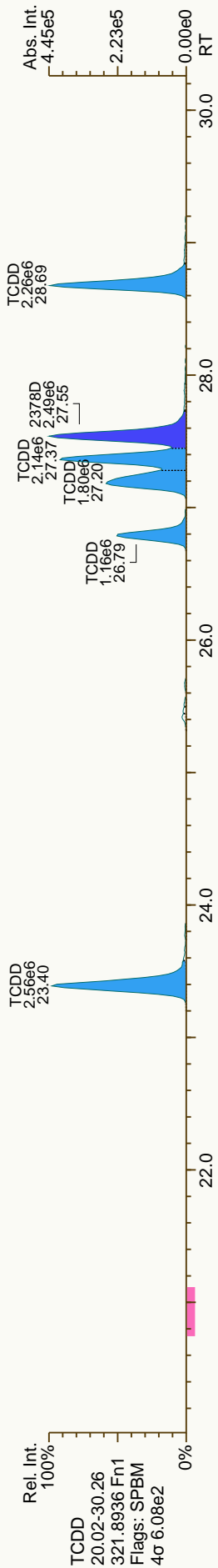
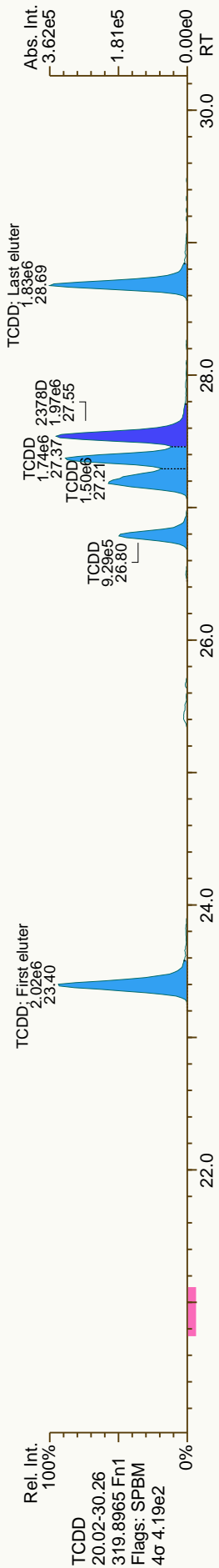
Y

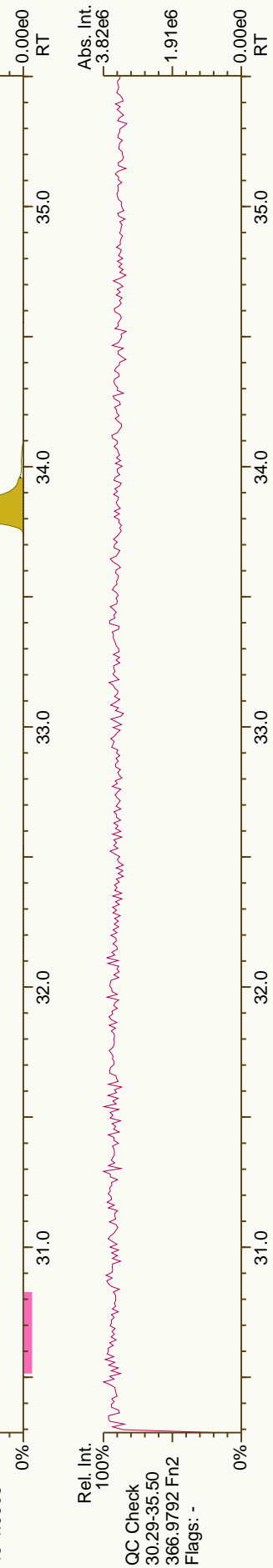
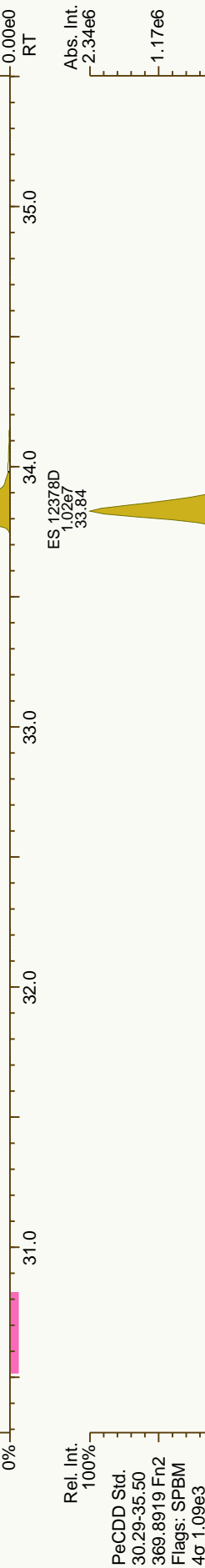
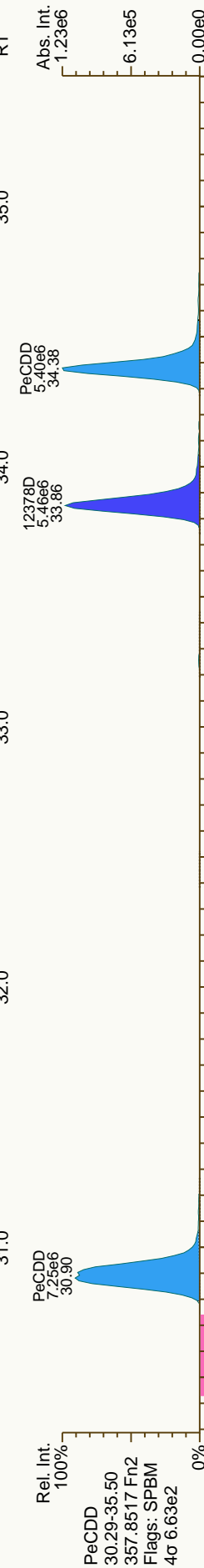
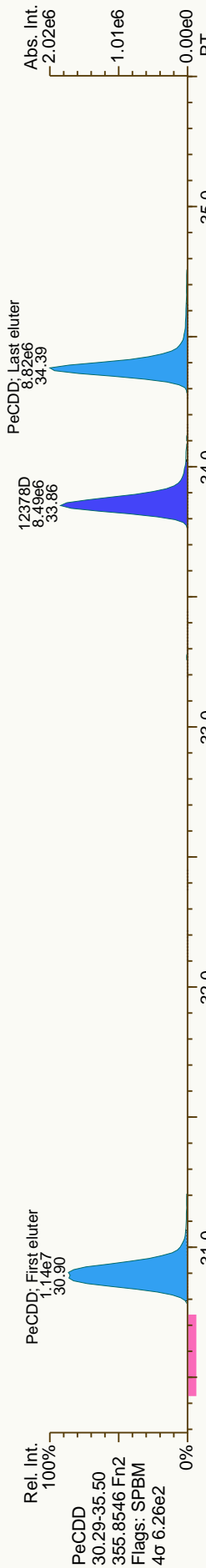
Processed: 21 Oct 2012 10:19

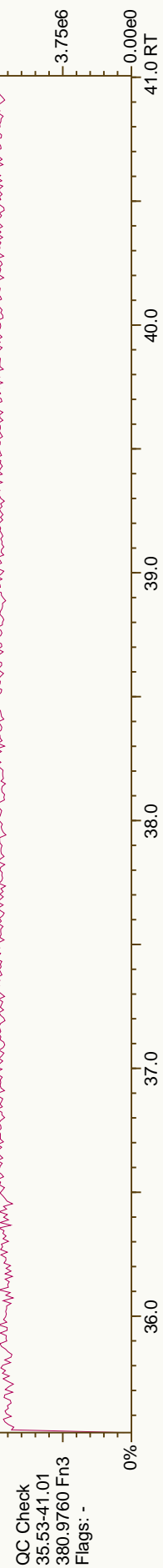
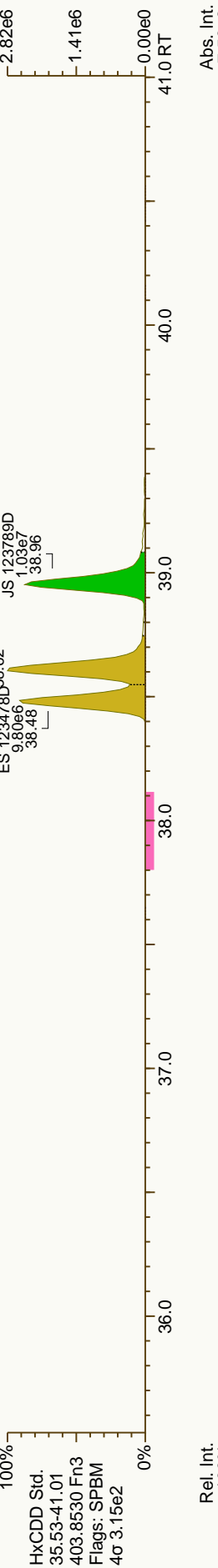
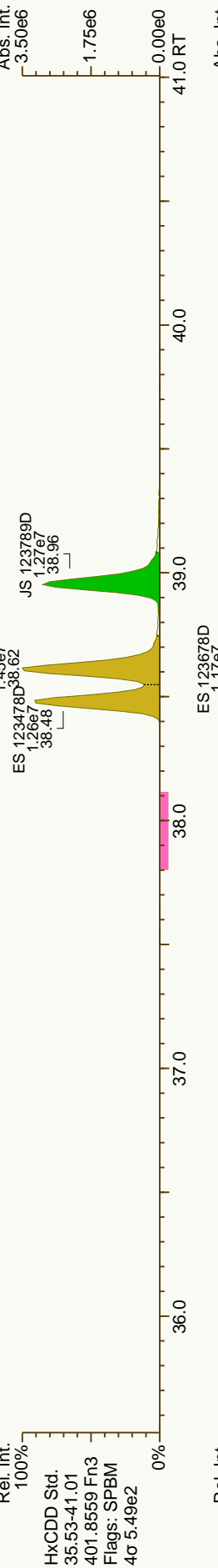
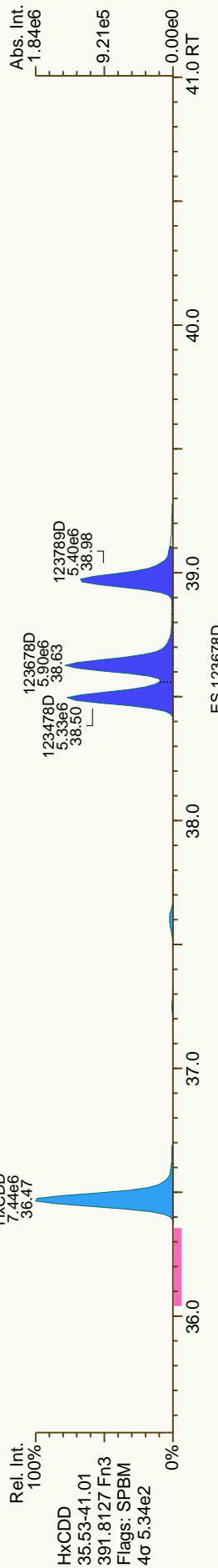
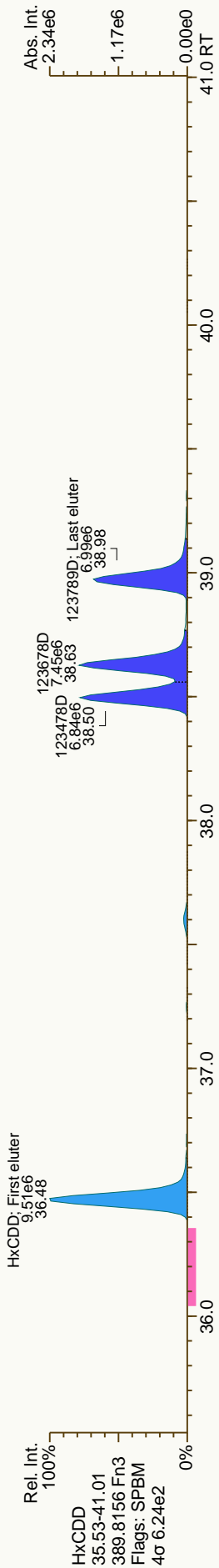
Analyst: MC

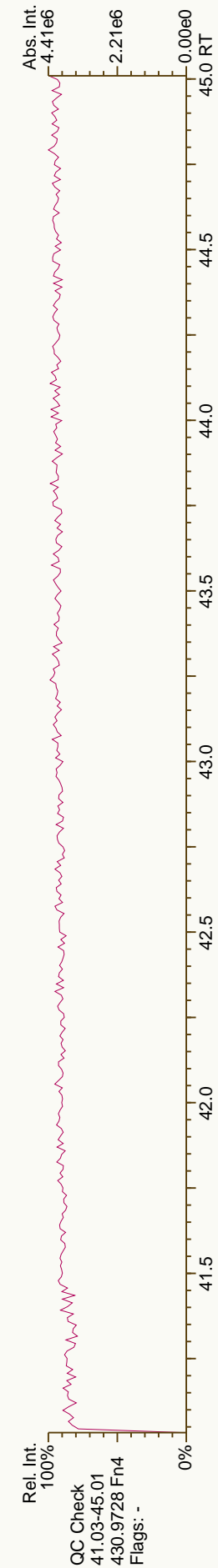
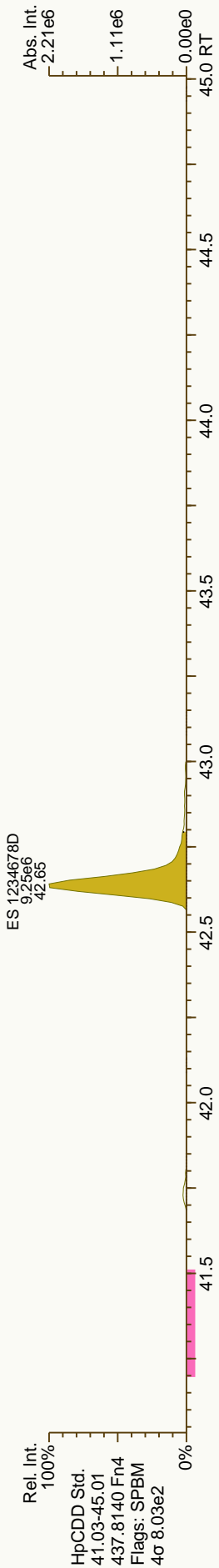
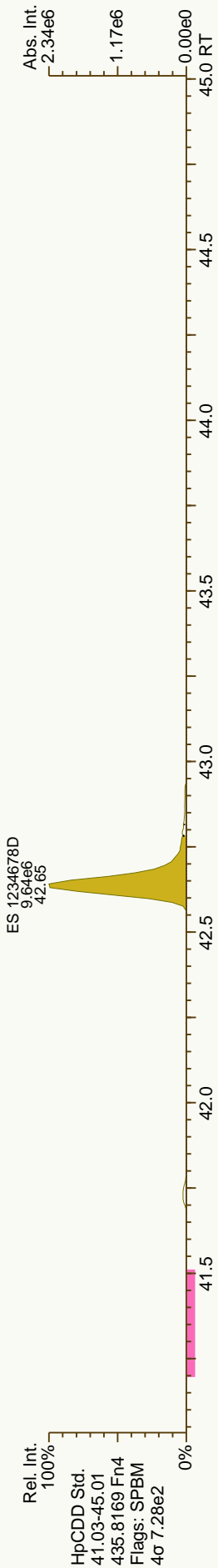
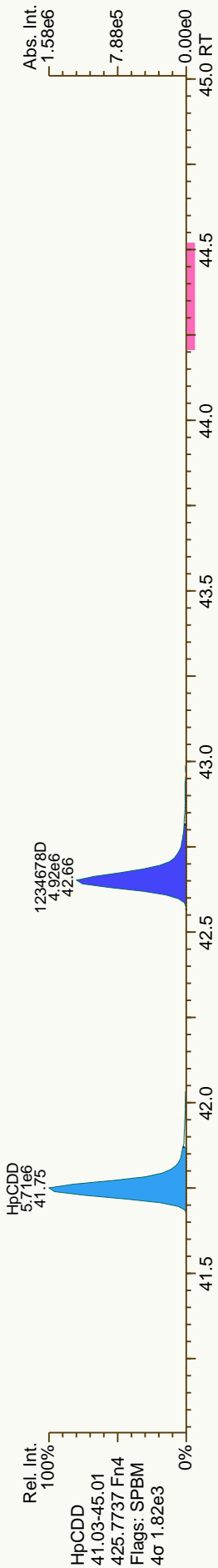
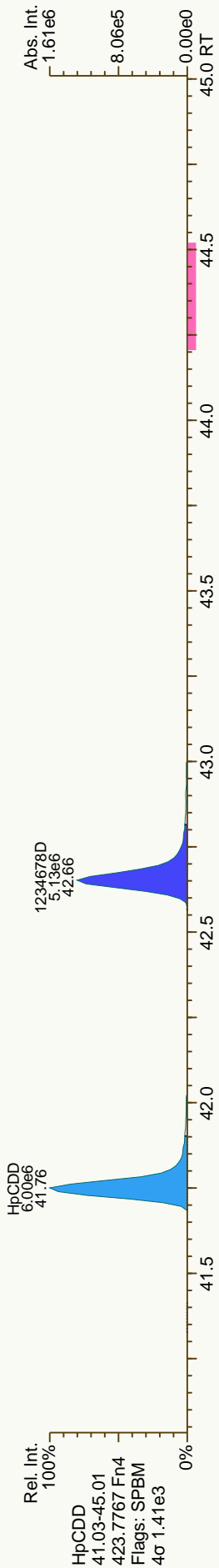


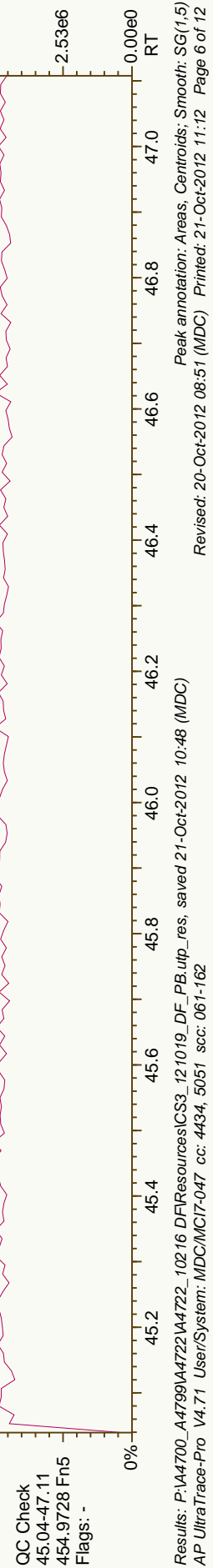
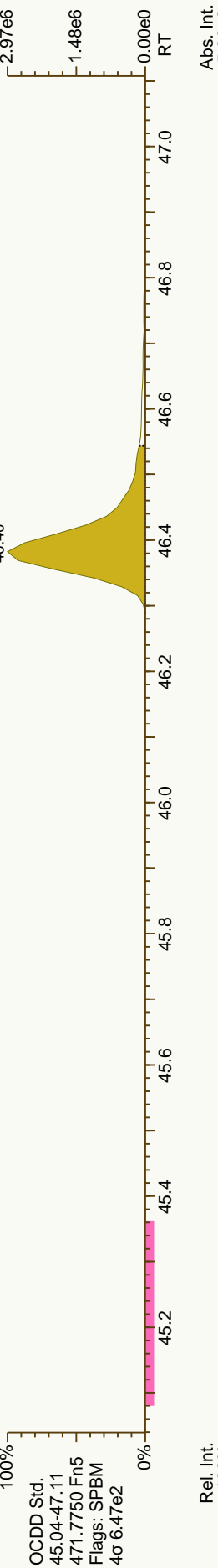
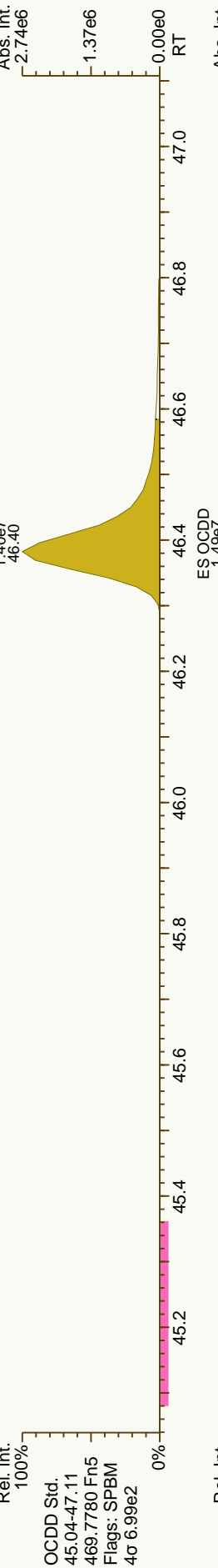
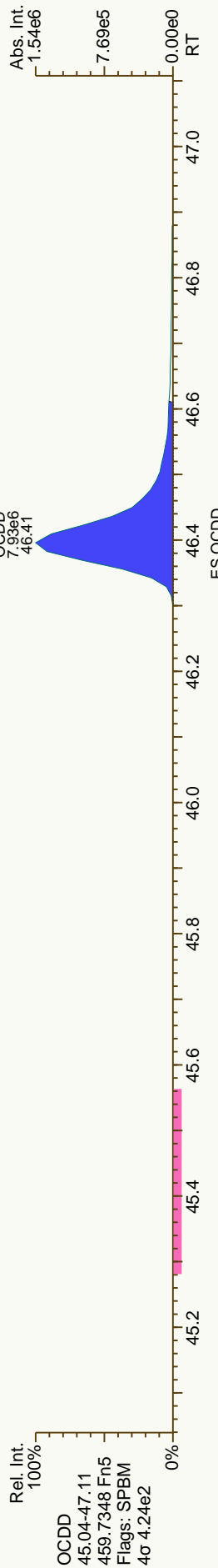
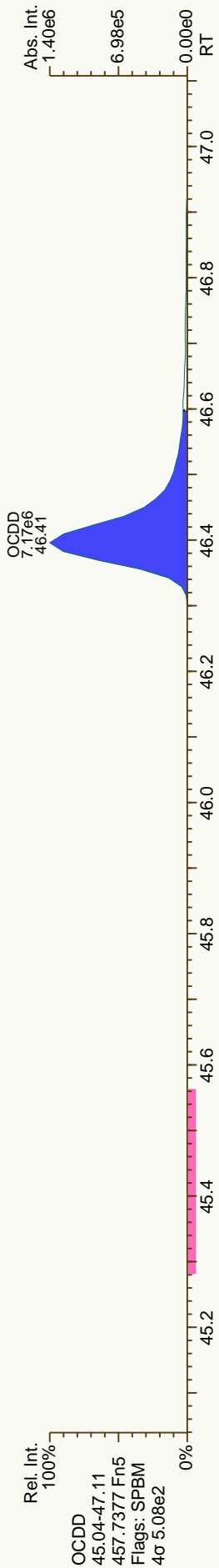


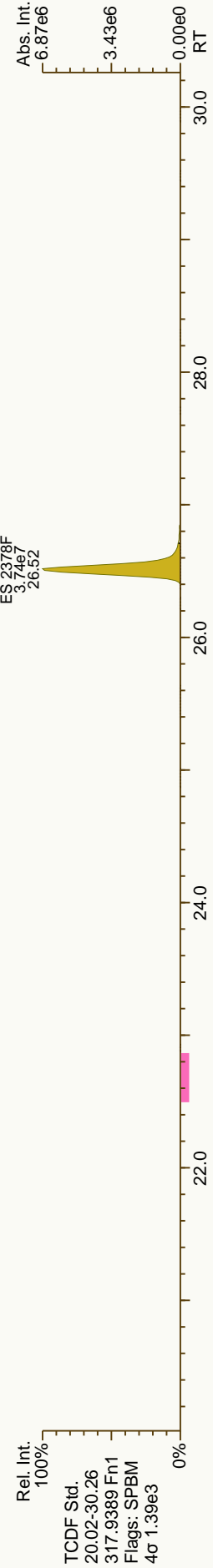
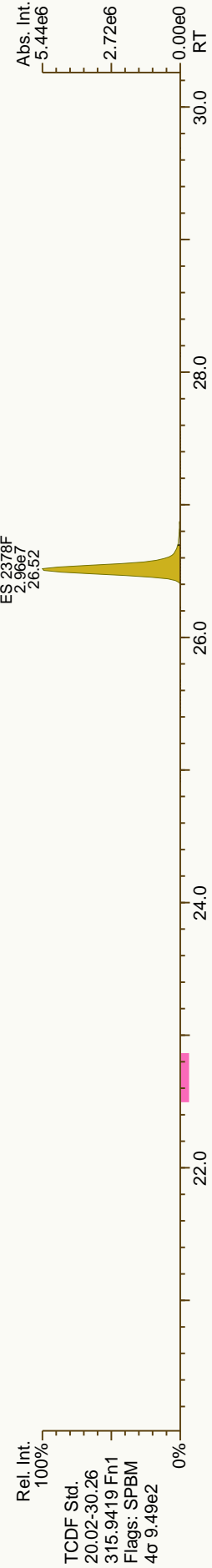
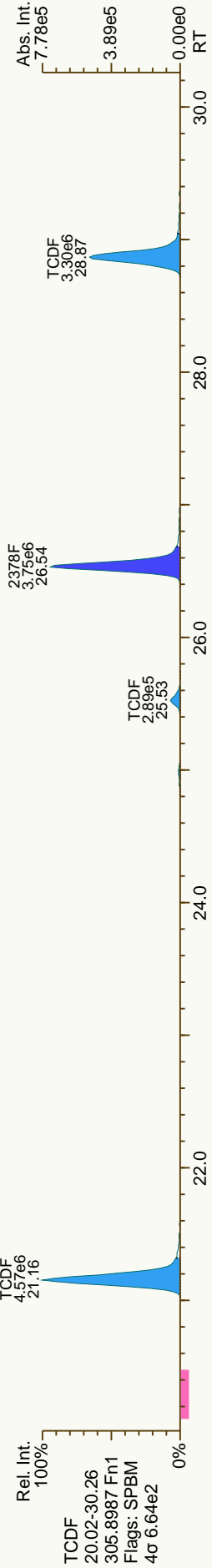
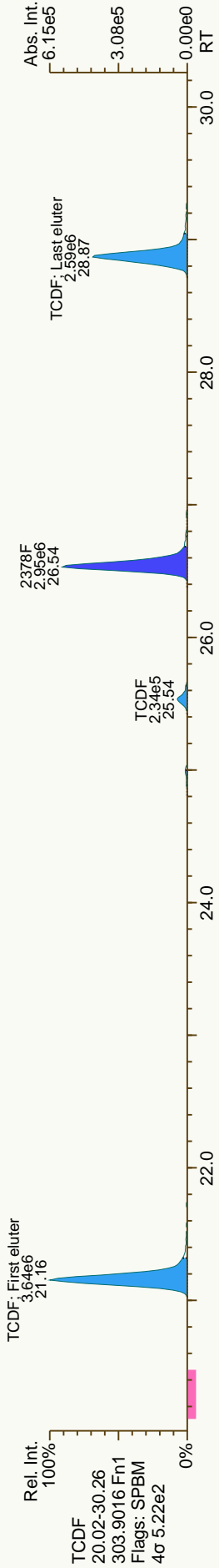


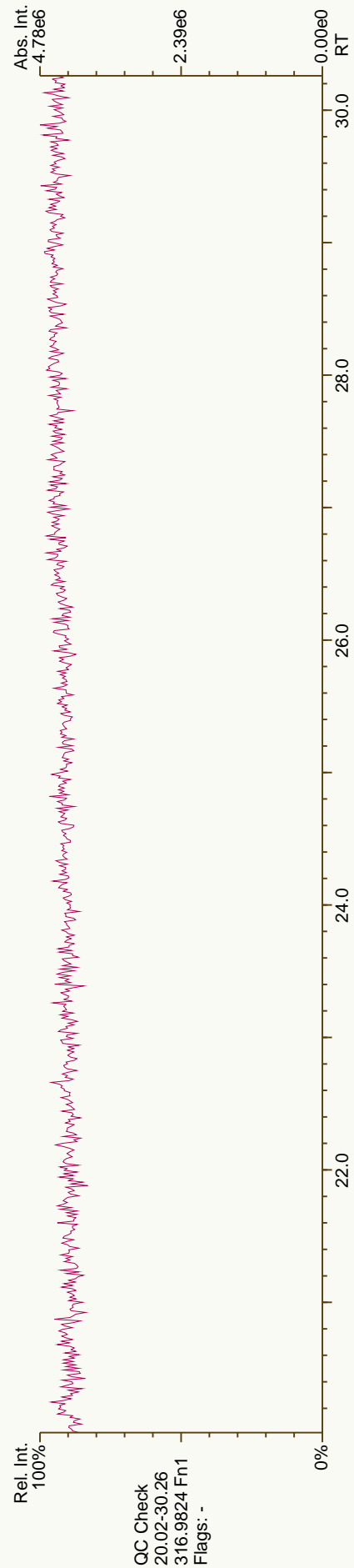
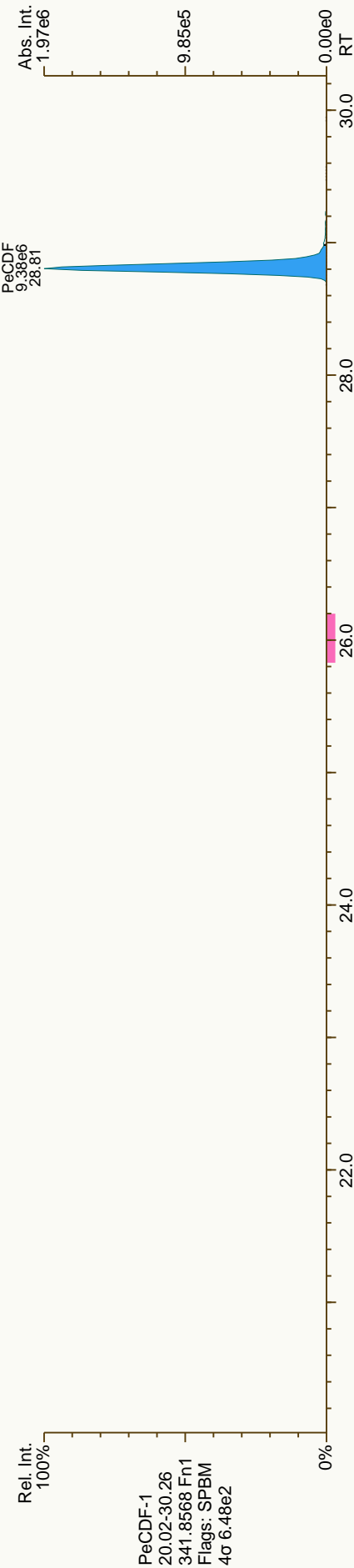
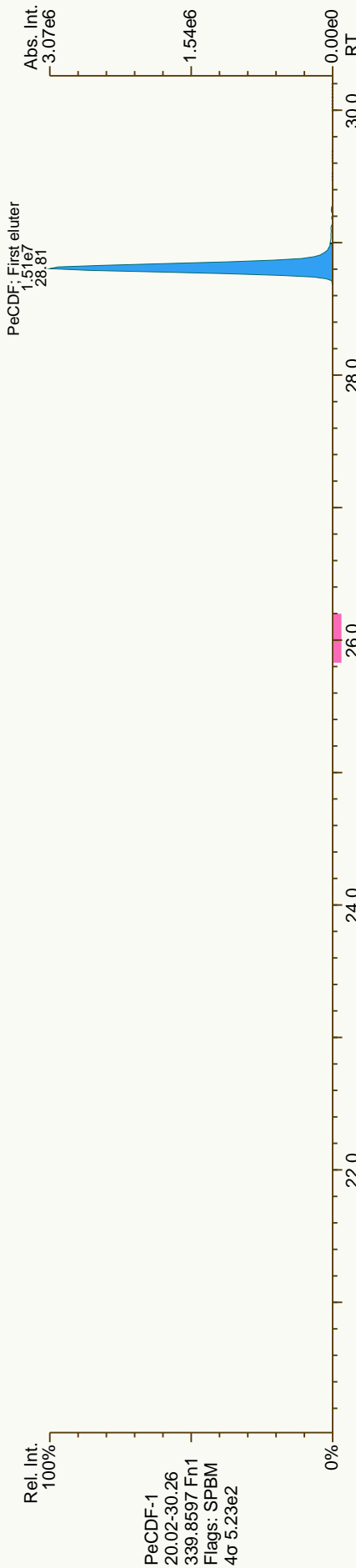


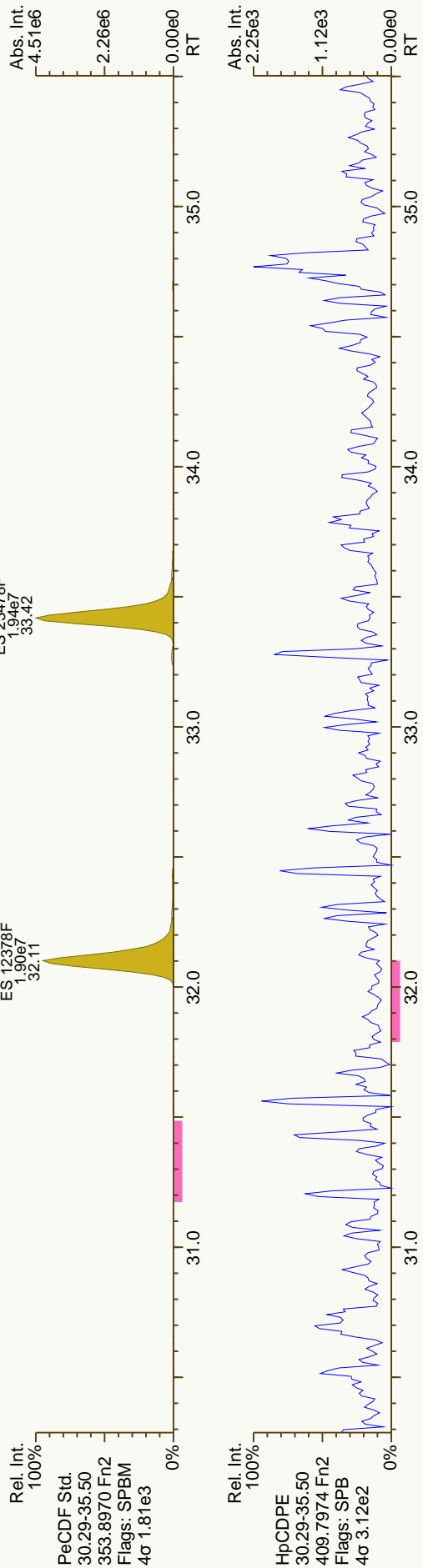
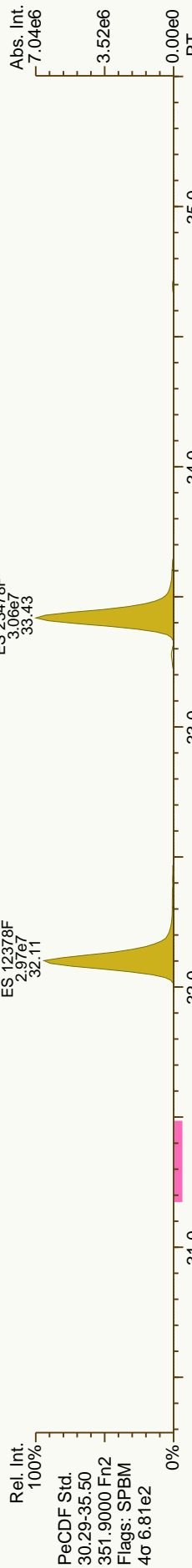
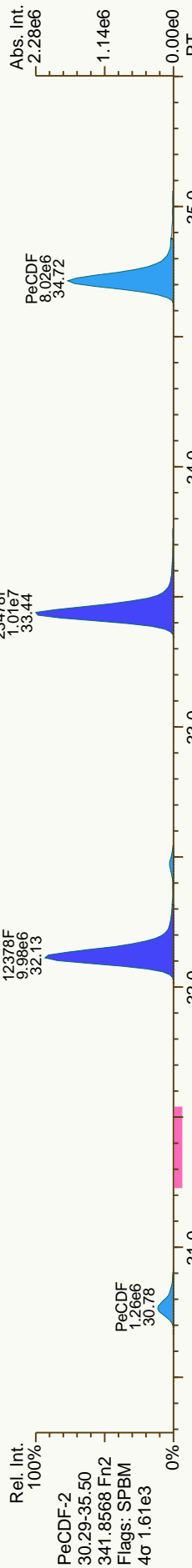
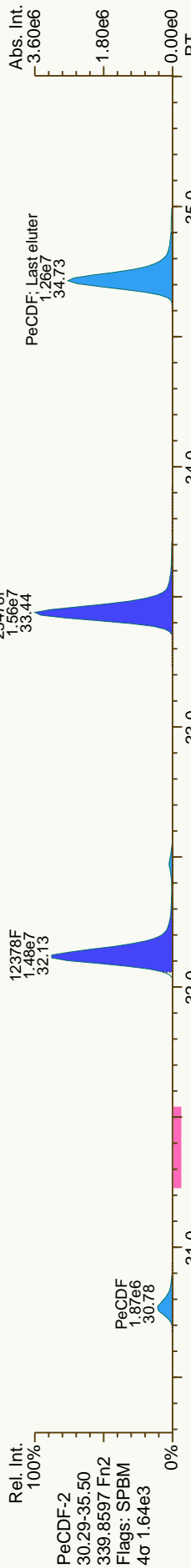


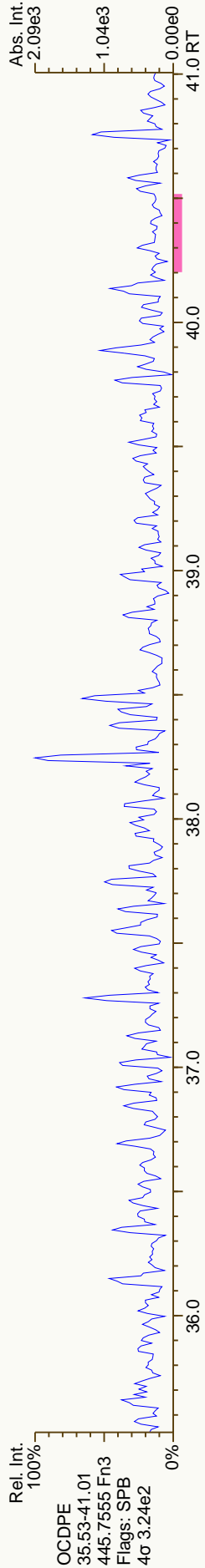
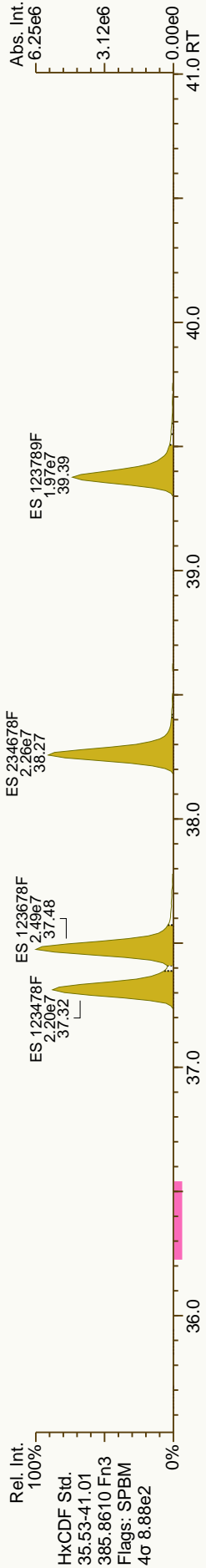
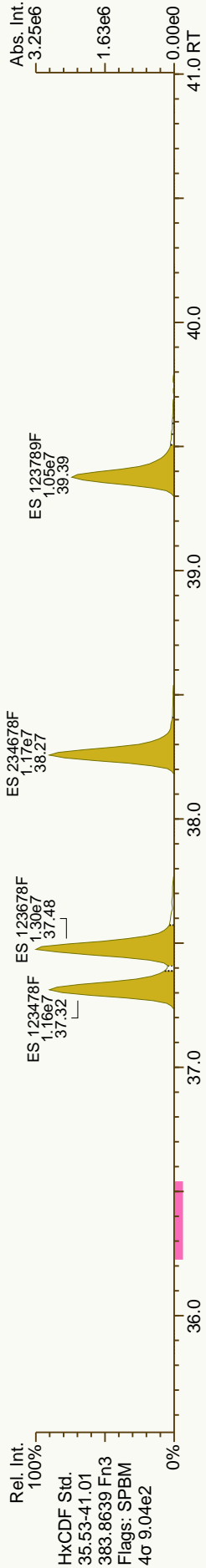
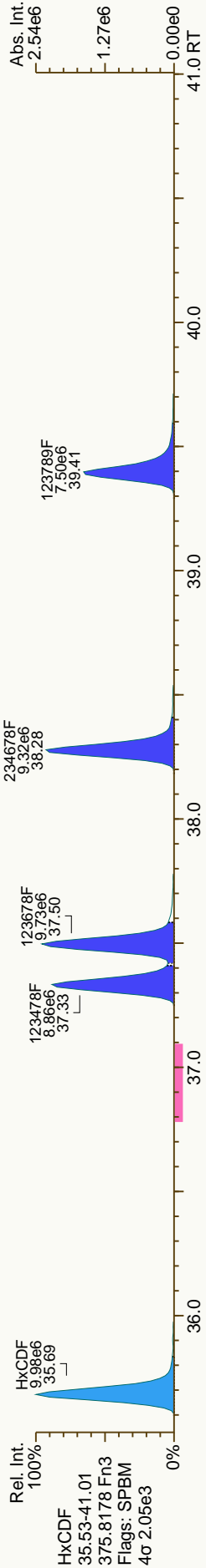
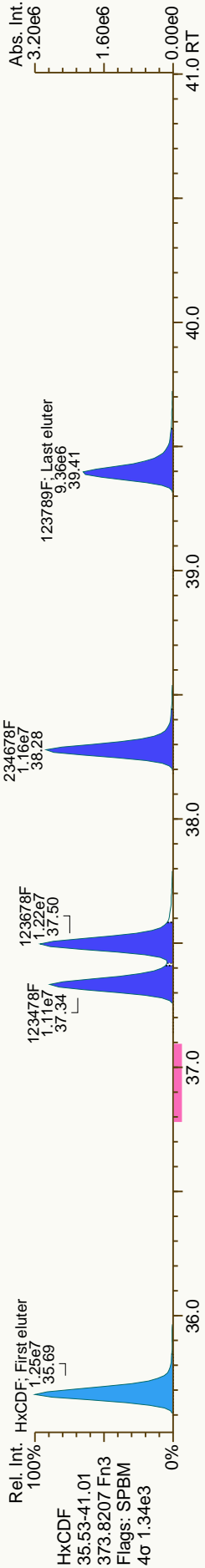


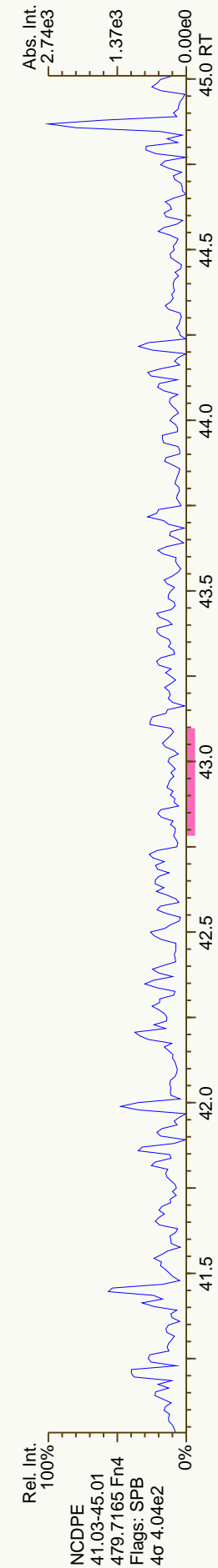
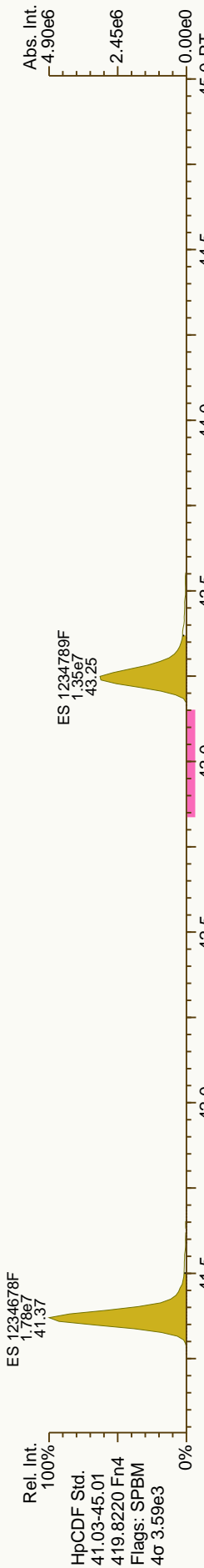
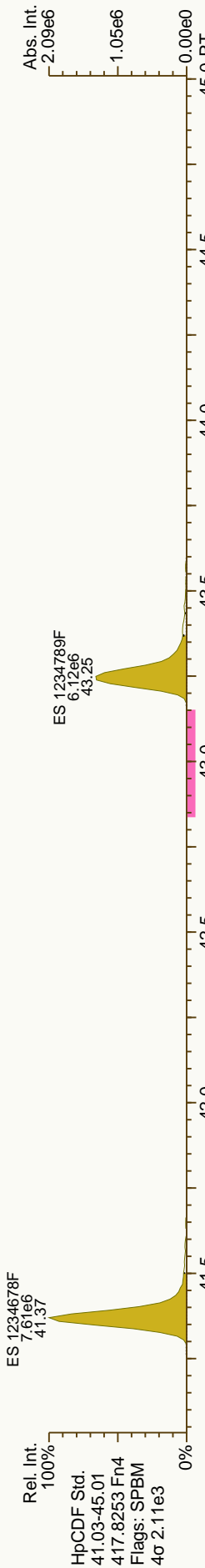
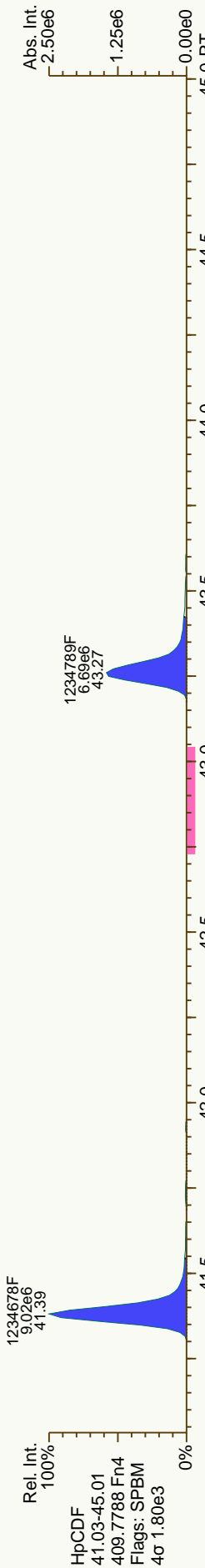
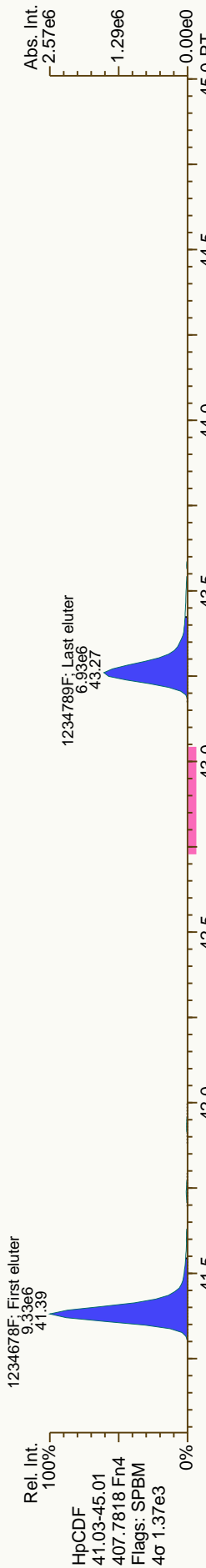


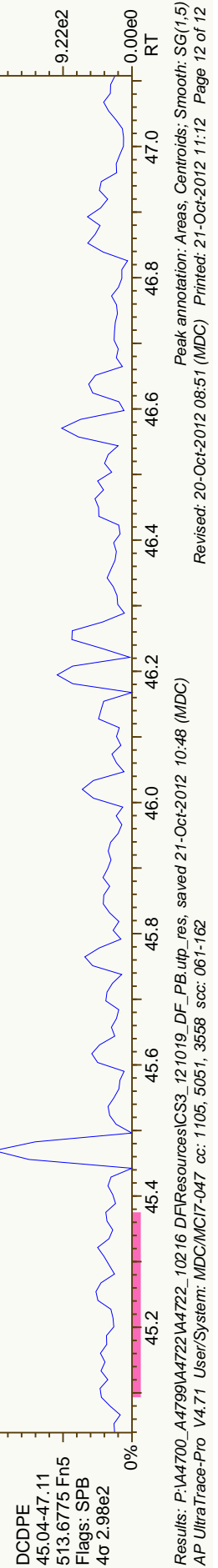
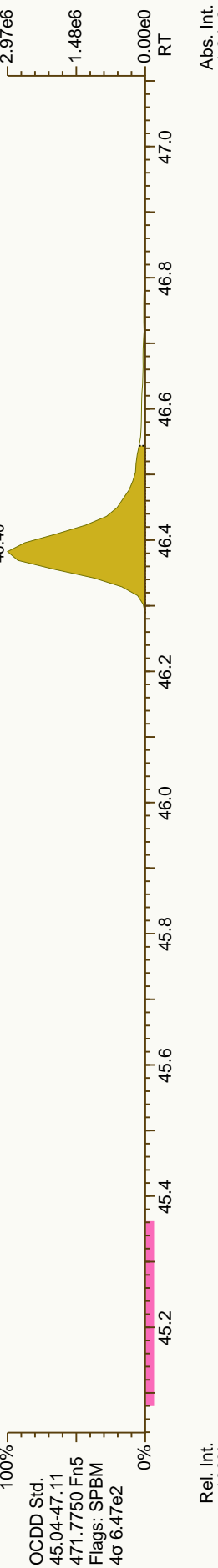
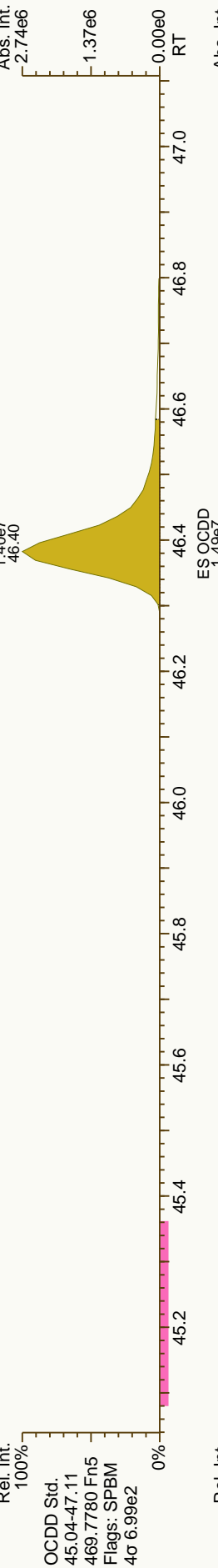
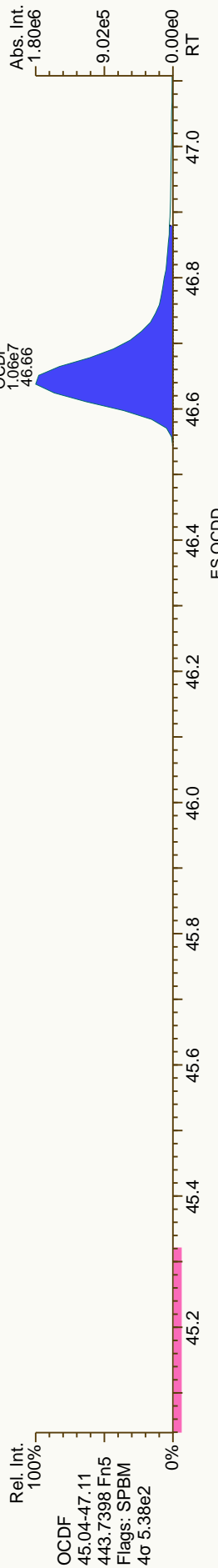
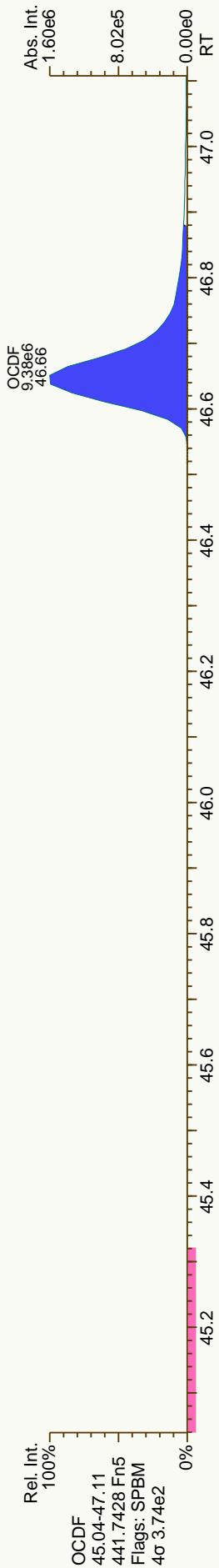












METHOD 1613

PCDD/F CALIBRATION VERIFICATION

FORM 4A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: 1613_SGS
 Instrument ID: MM1
 VER Data Filename: 121019P2-09
 GC Column ID: ZB-5ms
 Analysis Date: 20-OCT-2012 07:51:23

NATIVE ANALYTES	M/Z's	FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2		0.81	0.65 - 0.89	Y	10.4	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4		1.62	1.32 - 1.78	Y	49.1	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4		1.25	1.05 - 1.43	Y	51.7	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4		1.28	1.05 - 1.43	Y	50.9	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4		1.24	1.05 - 1.43	Y	49	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4		1.06	0.88 - 1.20	Y	50.5	43 - 58	Y
OCDD	M+2/M+4		0.91	0.76 - 1.02	Y	93	79 - 126	Y
2,3,7,8-TCDF	M/M+2		0.78	0.65 - 0.89	Y	10.2	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4		1.52	1.32 - 1.78	Y	51.9	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4		1.52	1.32 - 1.78	Y	51.6	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4		1.24	1.05 - 1.43	Y	50.4	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4		1.23	1.05 - 1.43	Y	51.3	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4		1.25	1.05 - 1.43	Y	52.9	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4		1.28	1.05 - 1.43	Y	51.4	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4		1.02	0.88 - 1.20	Y	49.4	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4		1.03	0.88 - 1.20	Y	51.6	43 - 58	Y
OCDF	M+2/M+4		0.89	0.76 - 1.02	Y	94.9	63 - 159	Y

See Table 9, Method 1613, for m/z specifications.

Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

Contract-required concentration range as specified in Table 6, Method 1613.

Processed: 21 Oct 2012 10:20 Analyst: MC

METHOD 1613

PCDD/F CALIBRATION VERIFICATION

FORM 4B

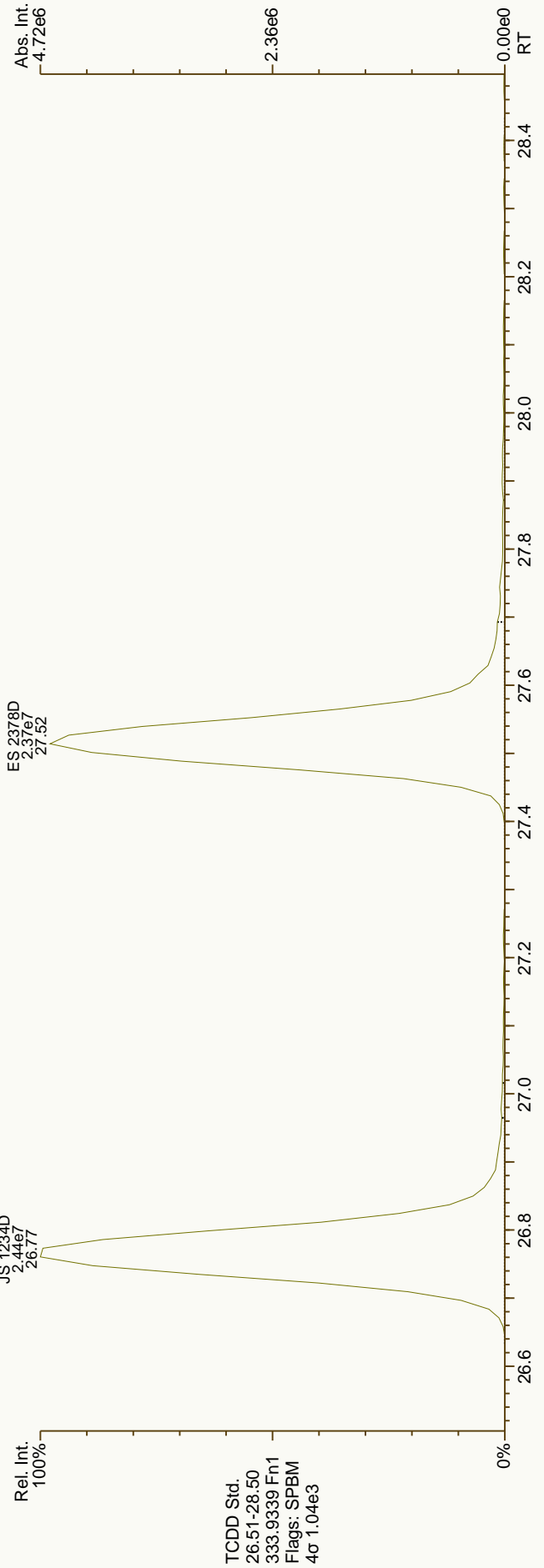
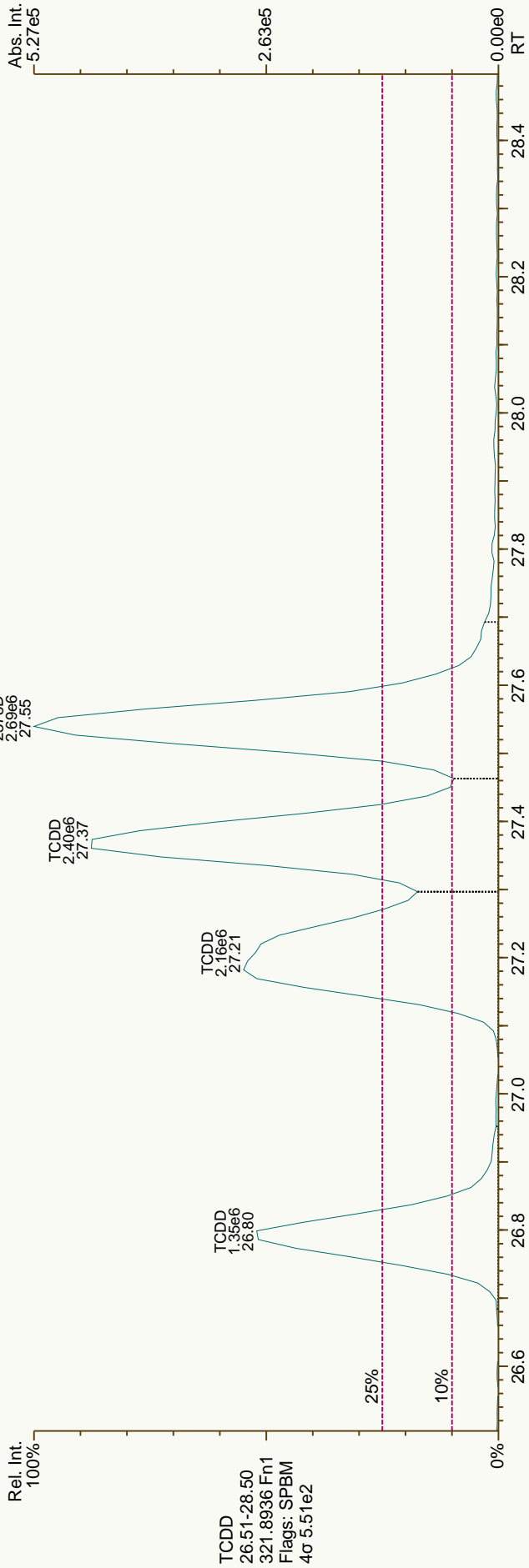
Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: 1613_SGS
 Instrument ID: MM1
 VER Data Filename: 121019P2-09
 GC Column ID: ZB-5ms
 Analysis Date: 20-OCT-2012 07:51:23

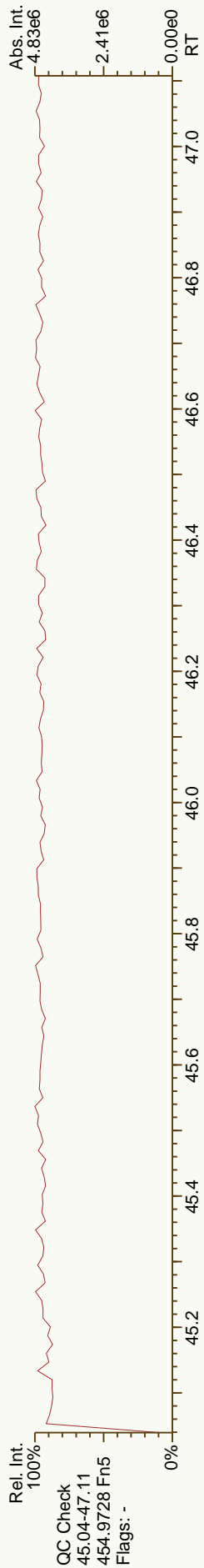
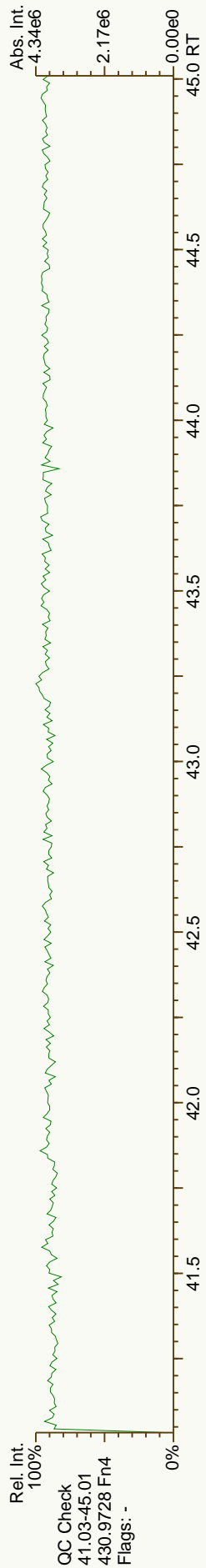
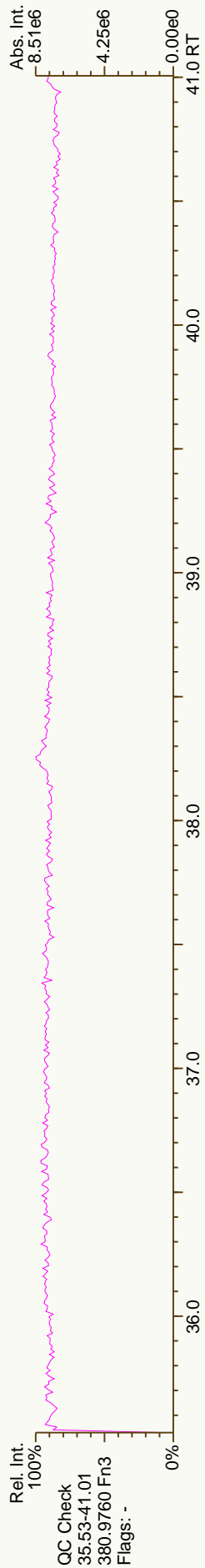
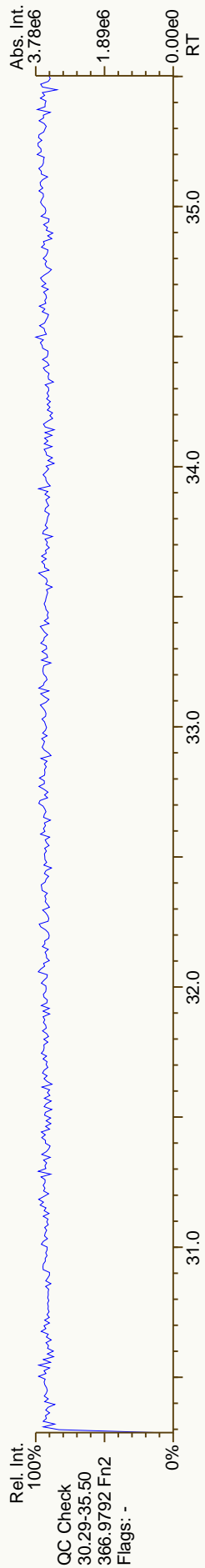
LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.82	0.65 - 0.89	Y	95	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.60	1.32 - 1.78	Y	76.8	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	103	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.30	1.05 - 1.43	Y	107	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.09	0.88 - 1.20	Y	101	72 - 138	Y
13C-OCDD	M+2/M+4	0.91	0.76 - 1.02	Y	198	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.77	0.65 - 0.89	Y	102	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.53	1.32 - 1.78	Y	88.9	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.57	1.32 - 1.78	Y	85.5	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	113	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	112	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	117	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	108	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.44	0.37 - 0.51	Y	108	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	109	77 - 129	Y

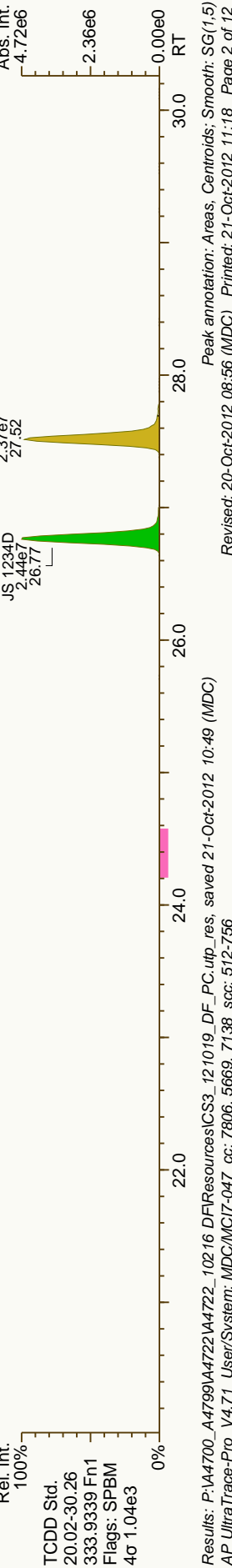
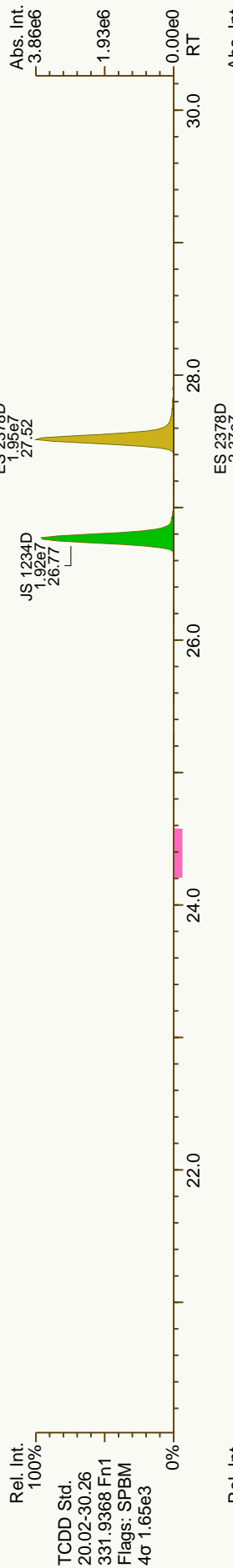
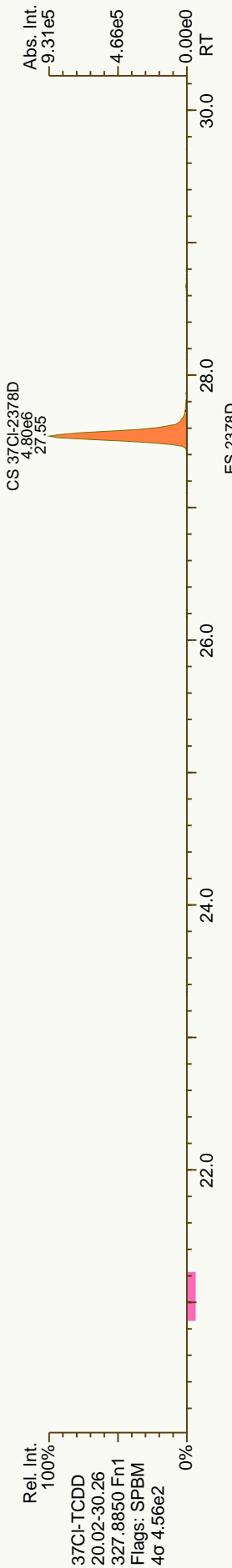
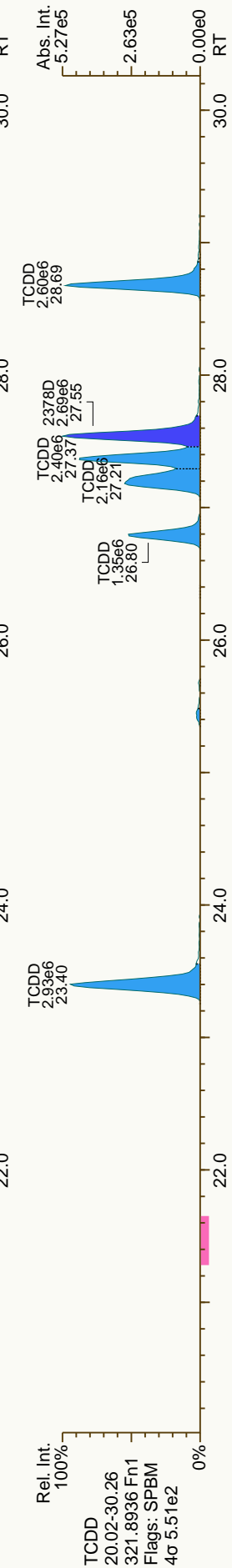
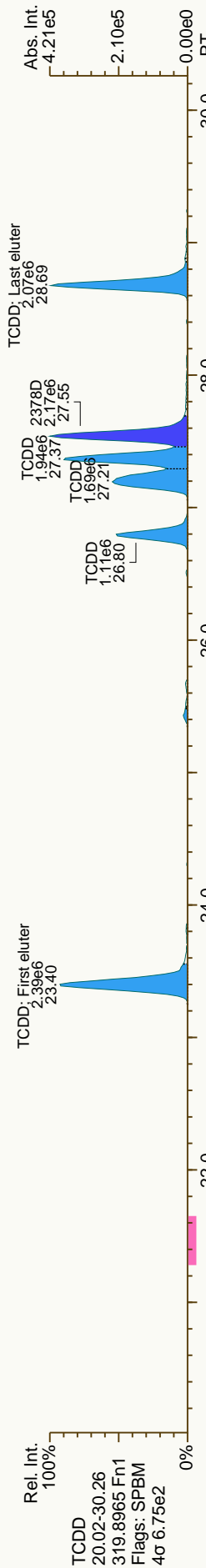
CLEANUP STANDARDS

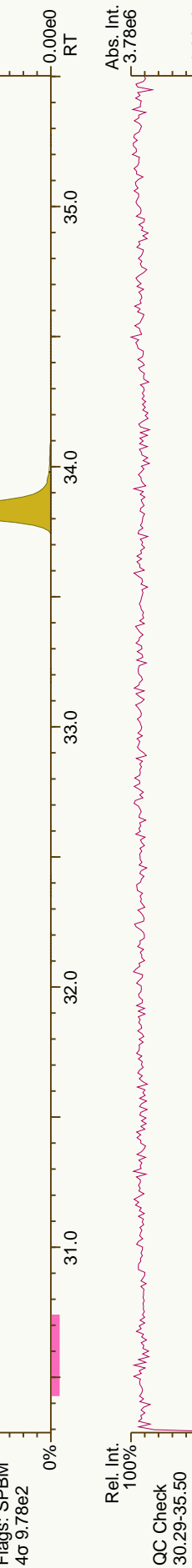
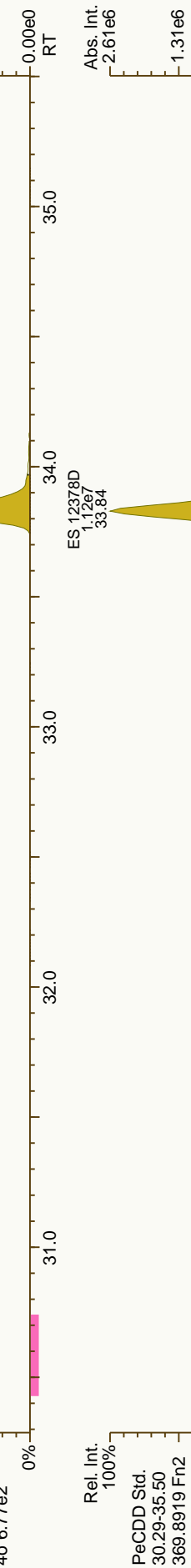
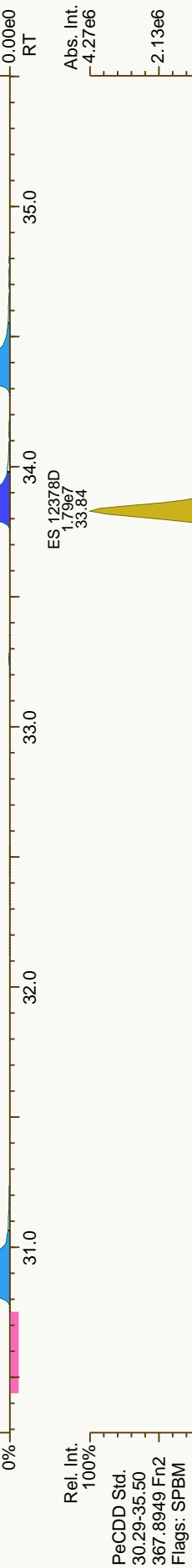
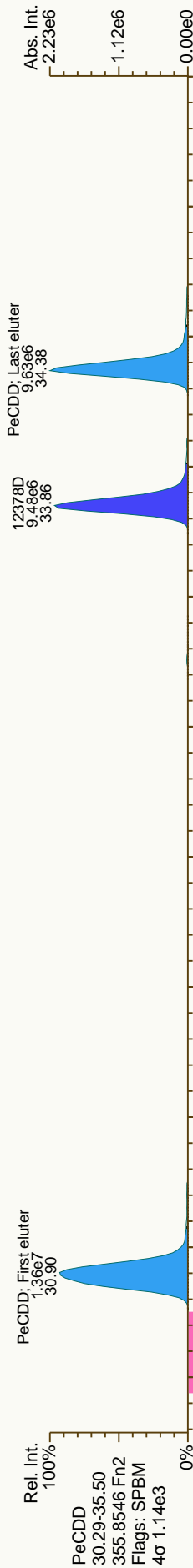
37Cl-2,3,7,8-TCDD n/a 9.37 7.9 - 12.7 Y

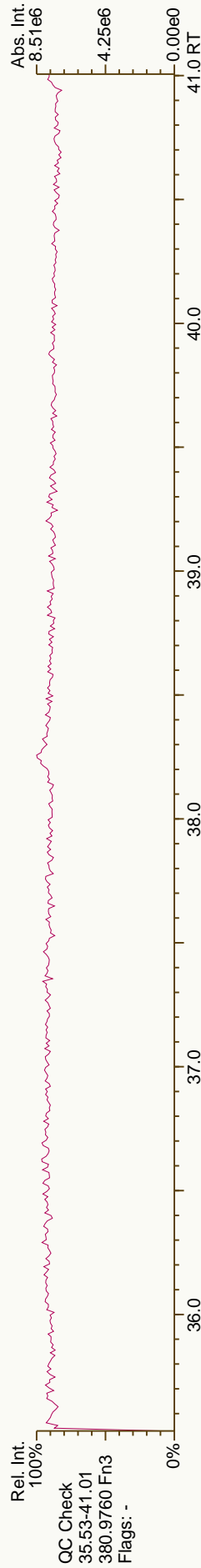
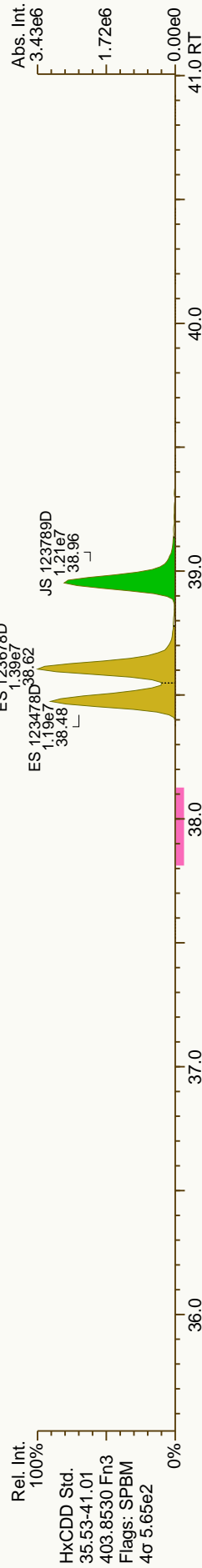
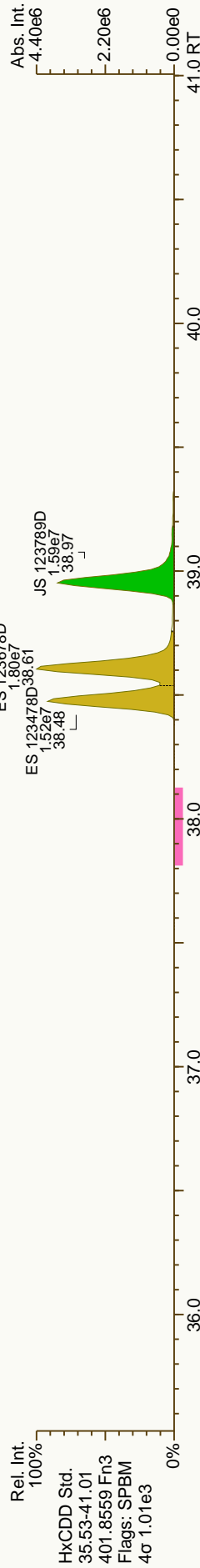
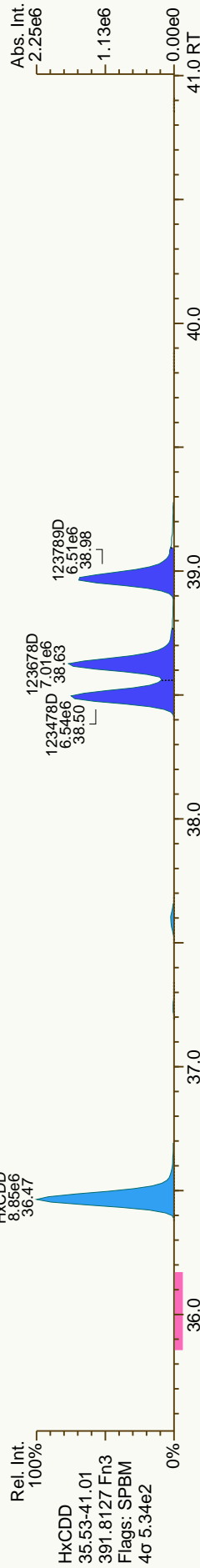
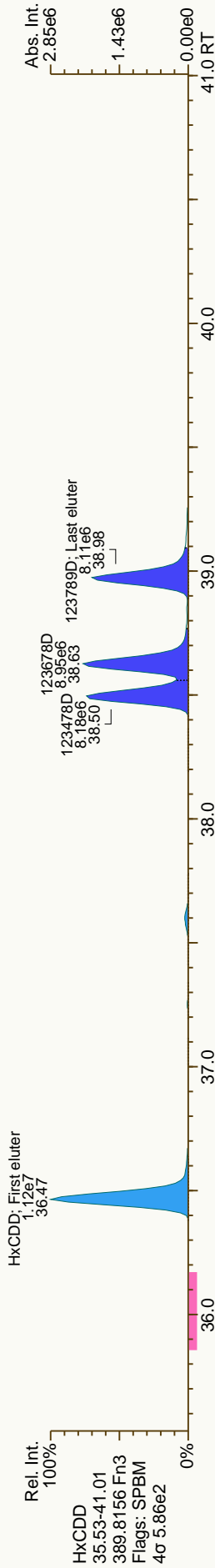
Processed: 21 Oct 2012 10:20 Analyst: MC

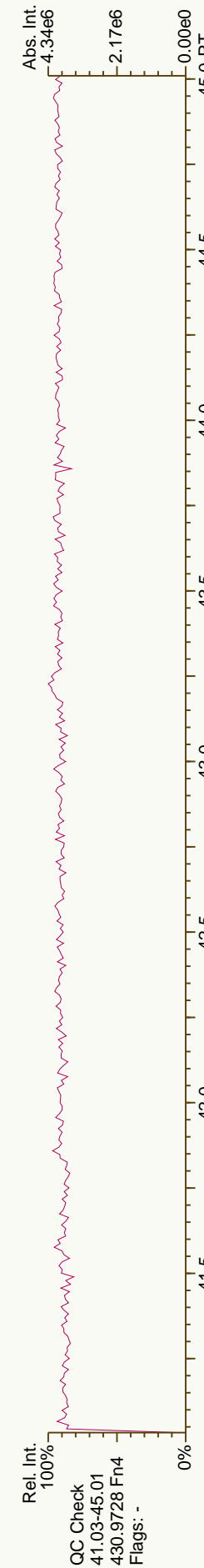
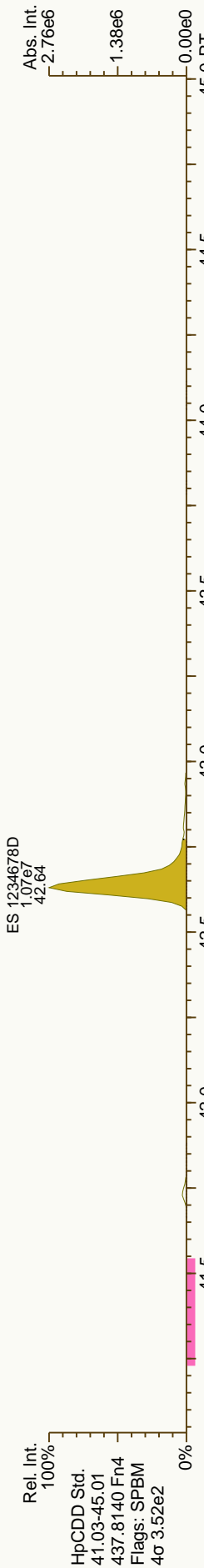
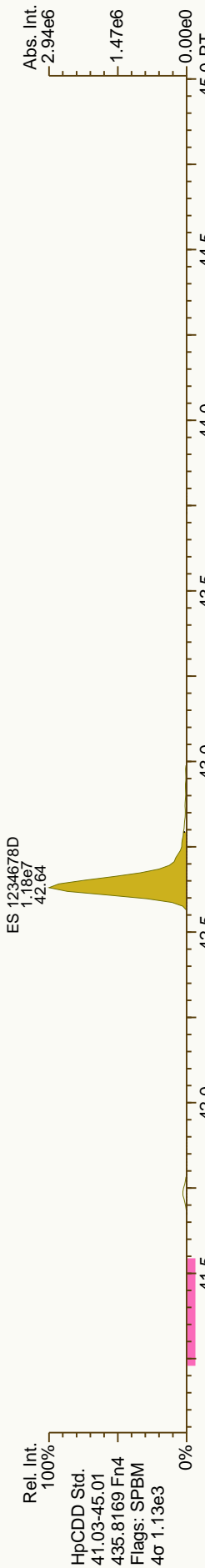
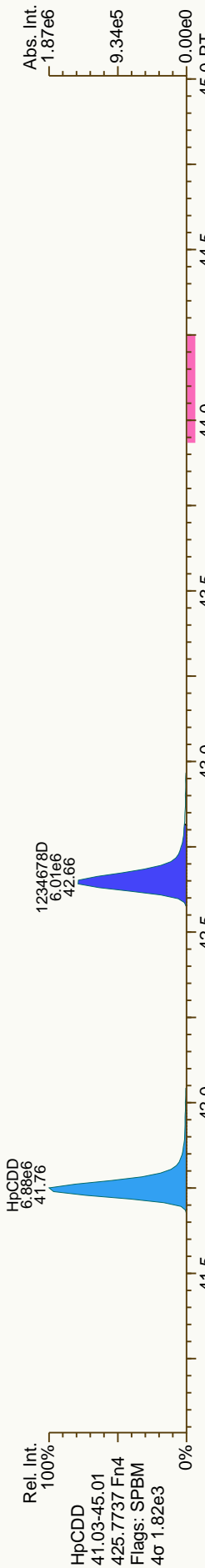
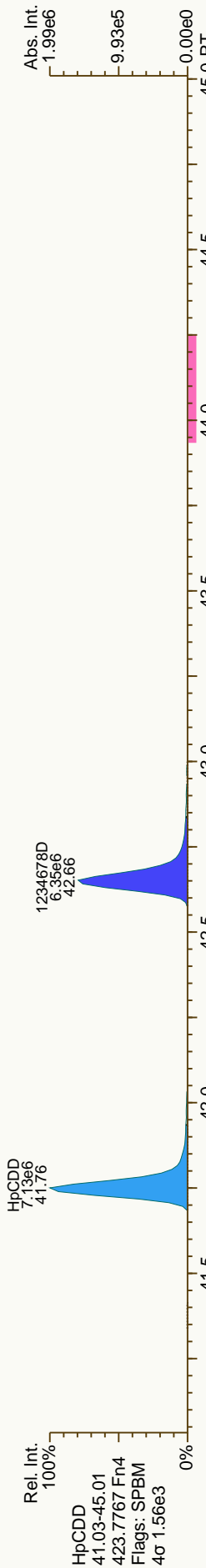


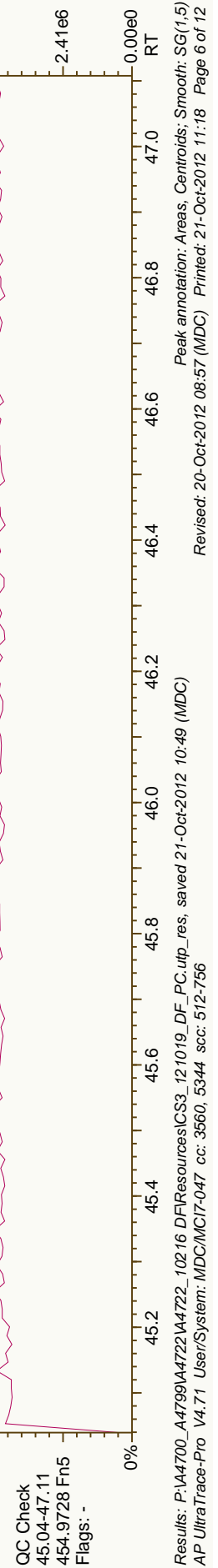
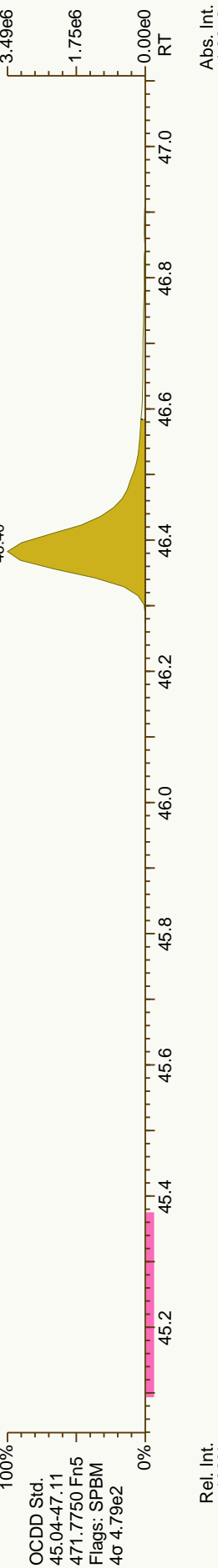
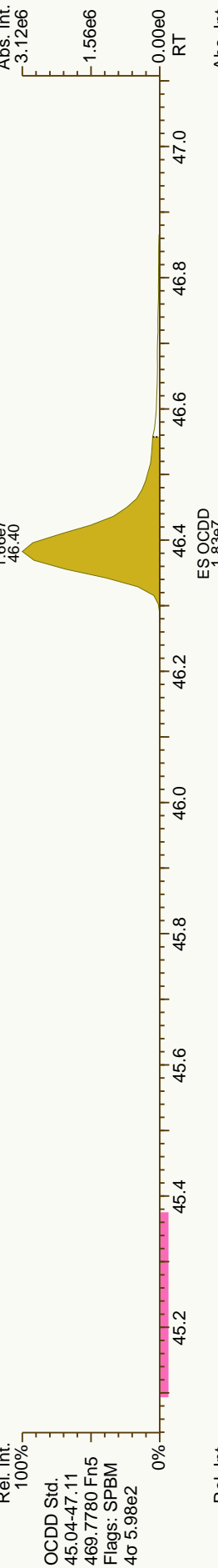
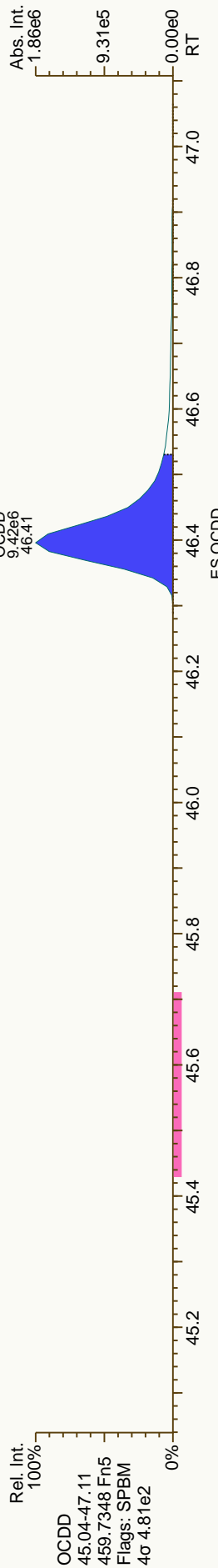
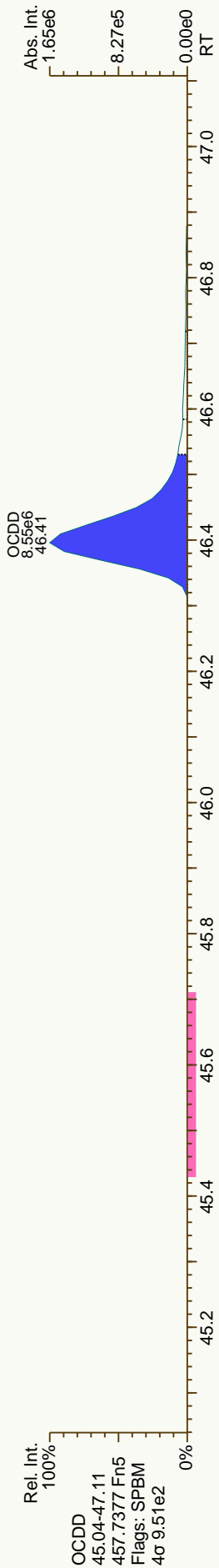


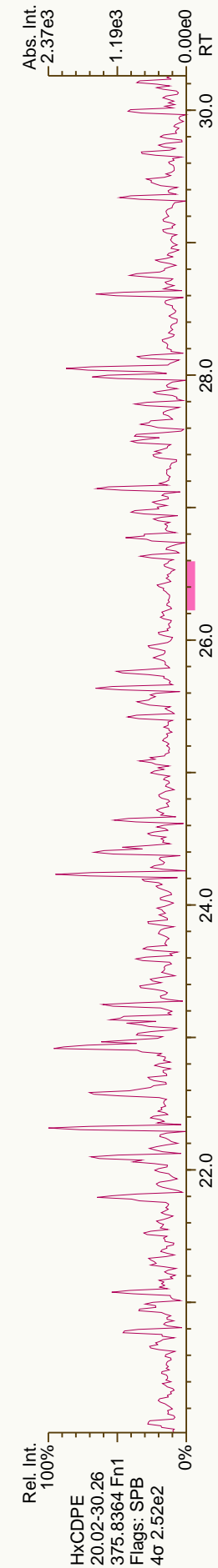
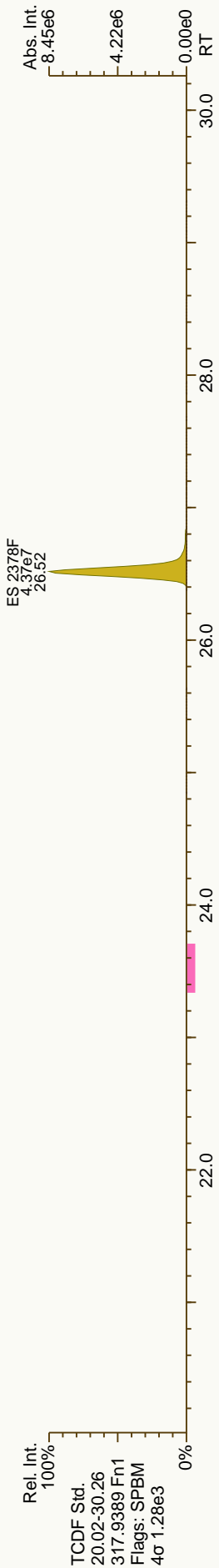
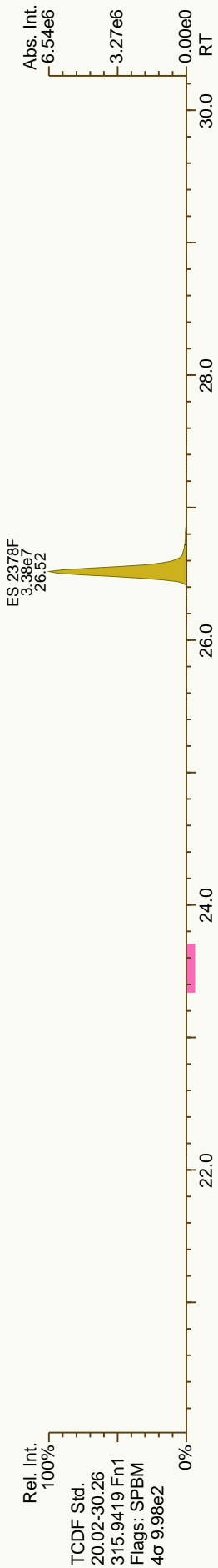
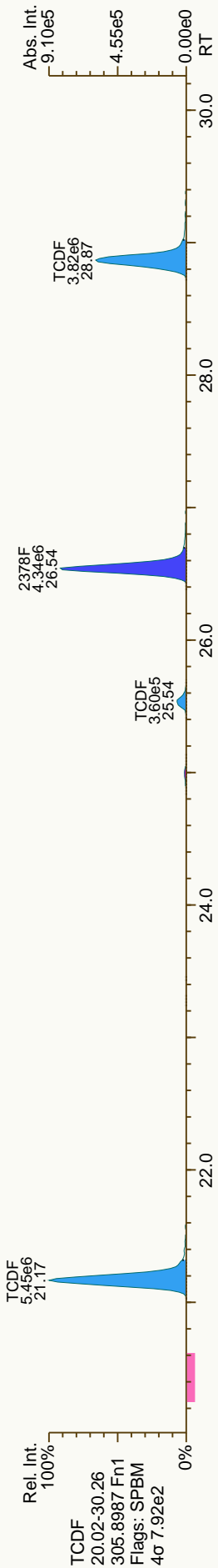
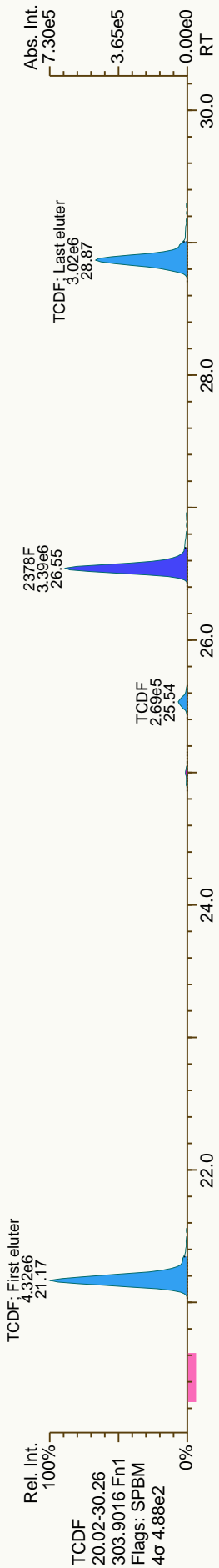


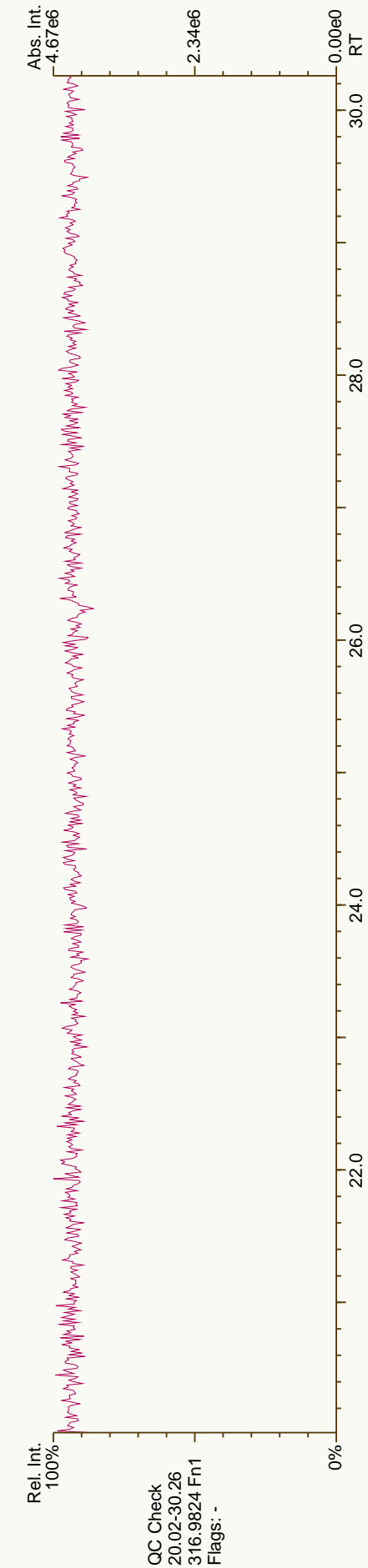
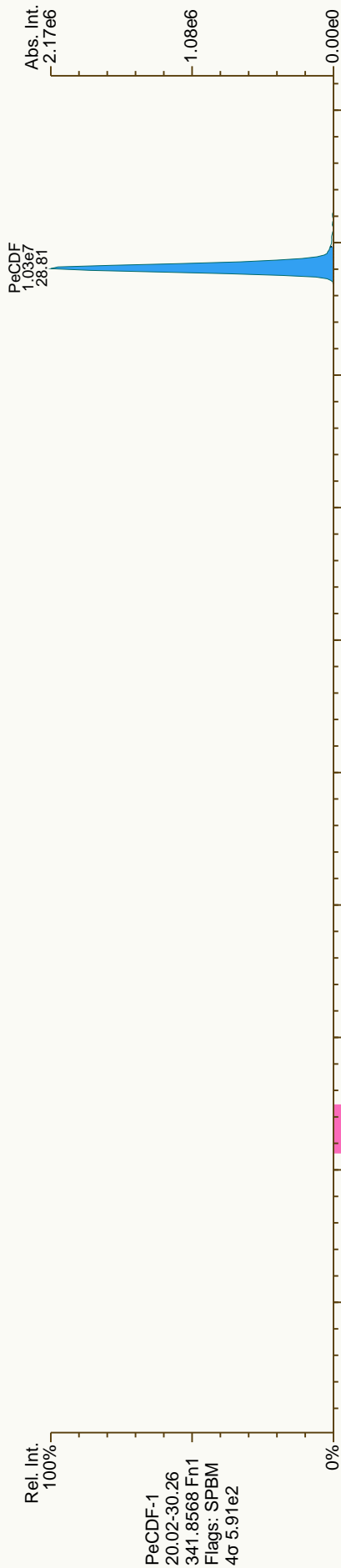
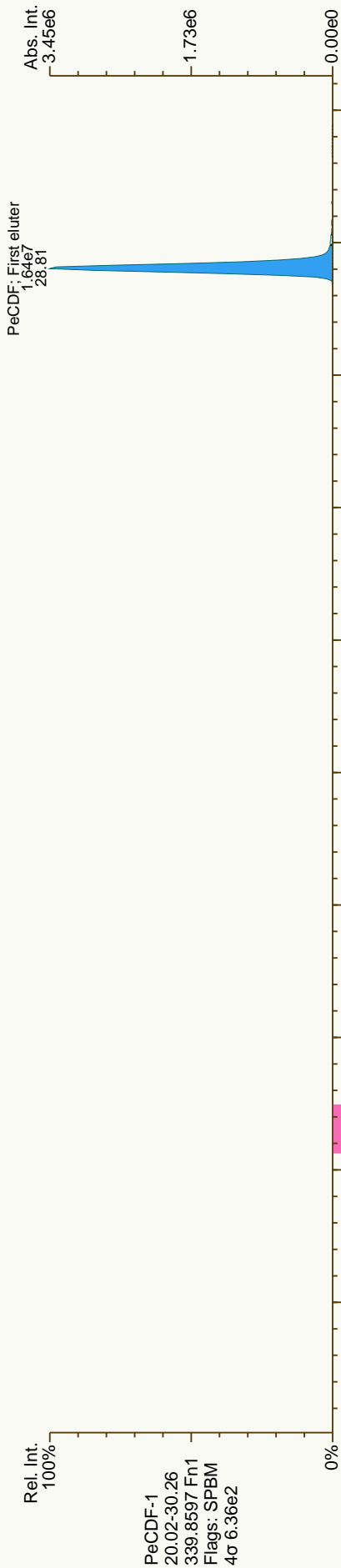


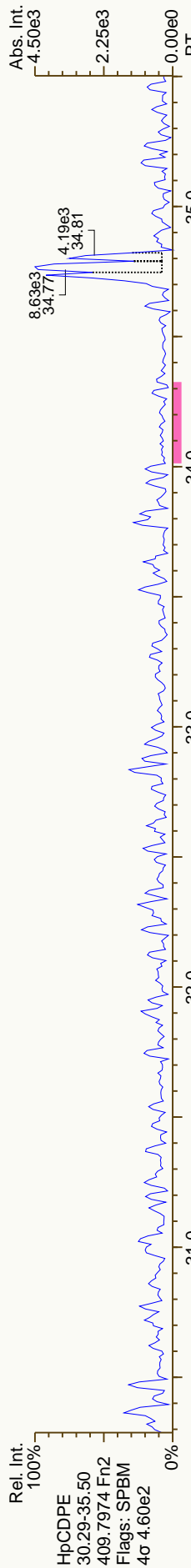
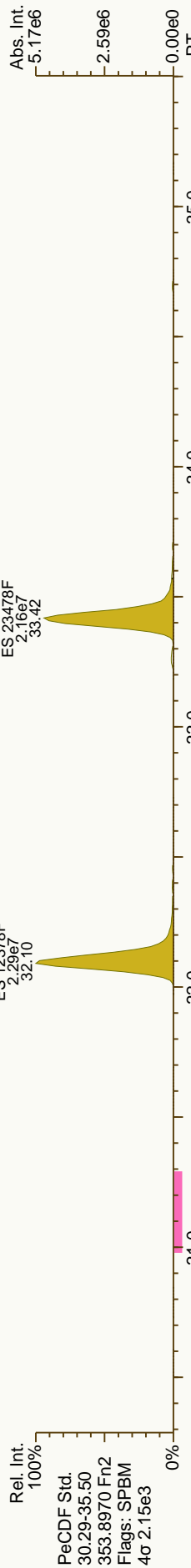
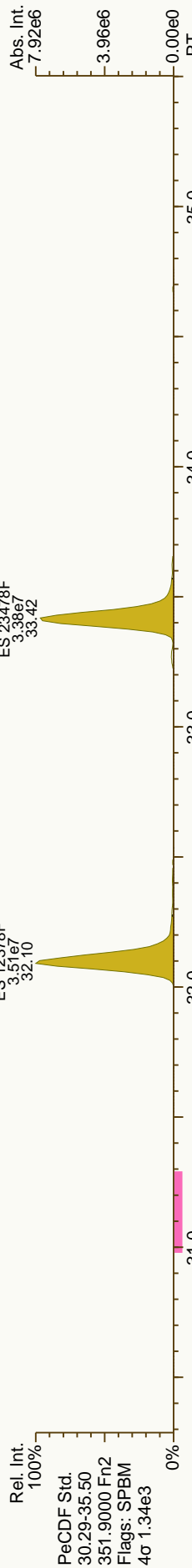
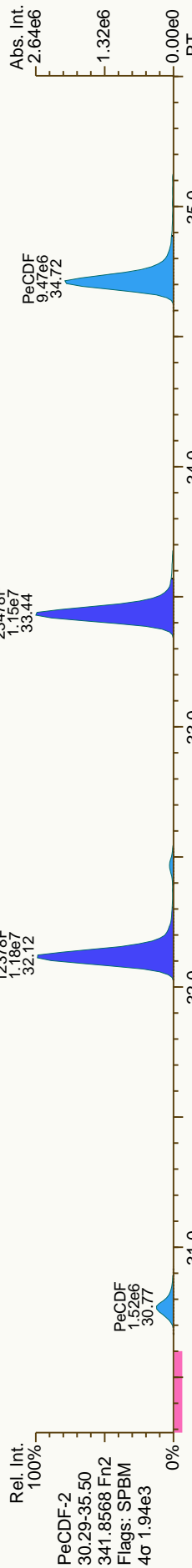
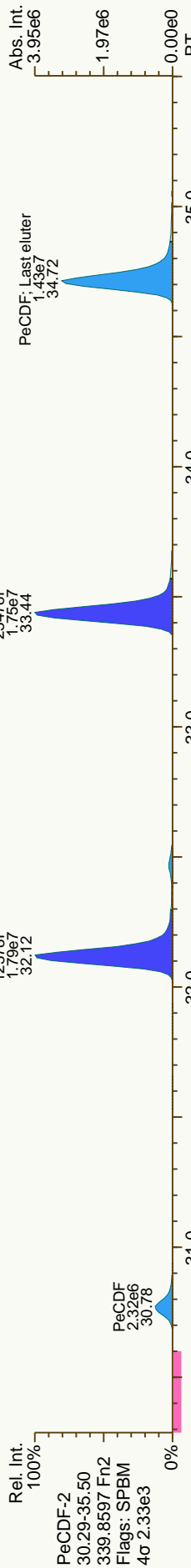


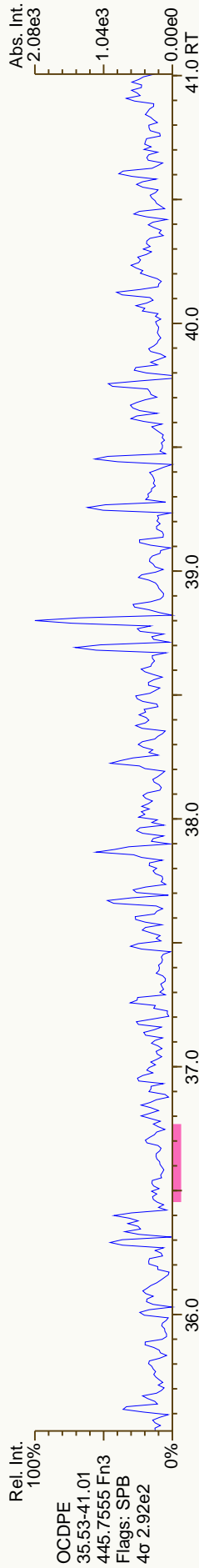
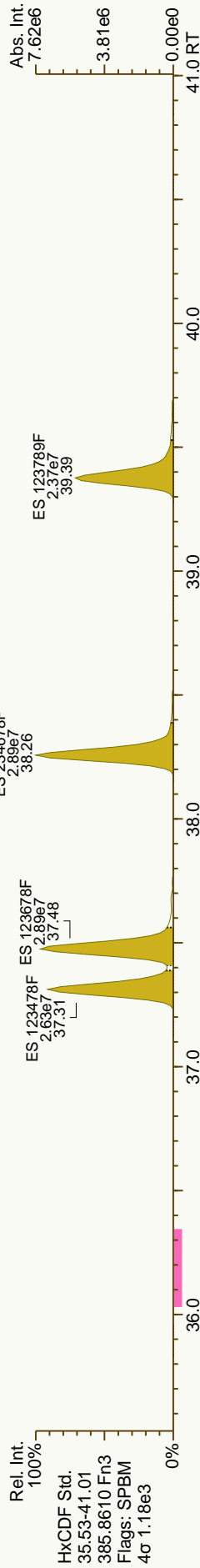
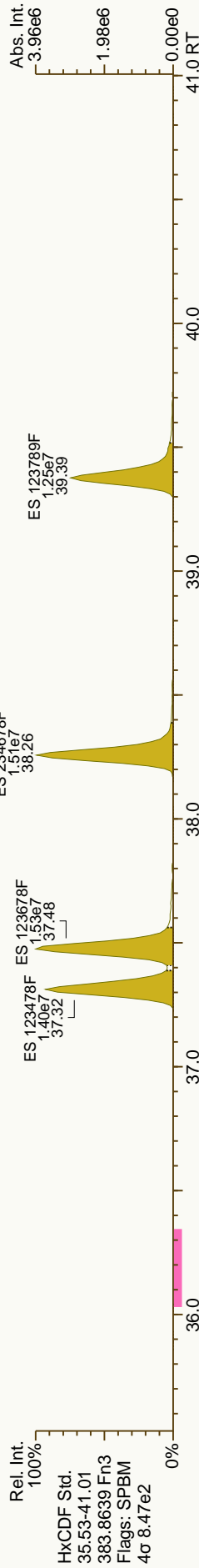
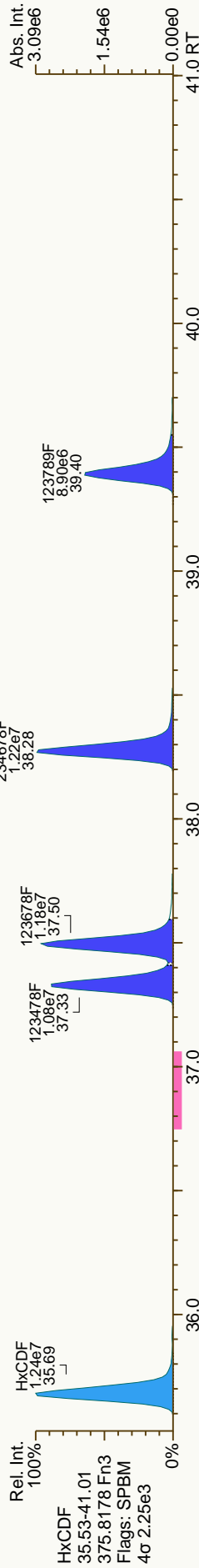
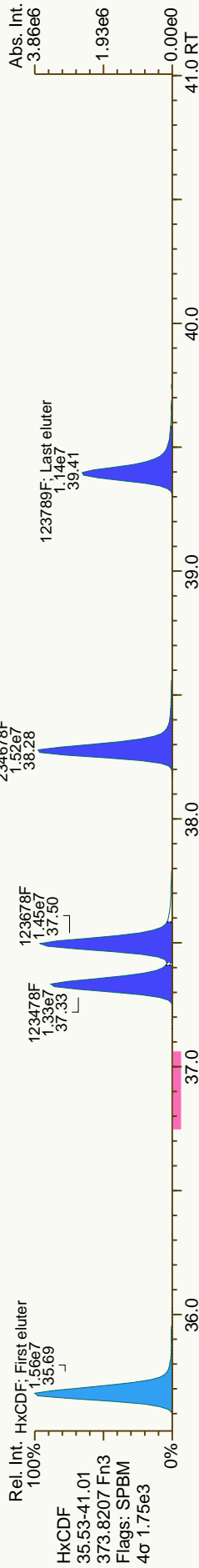


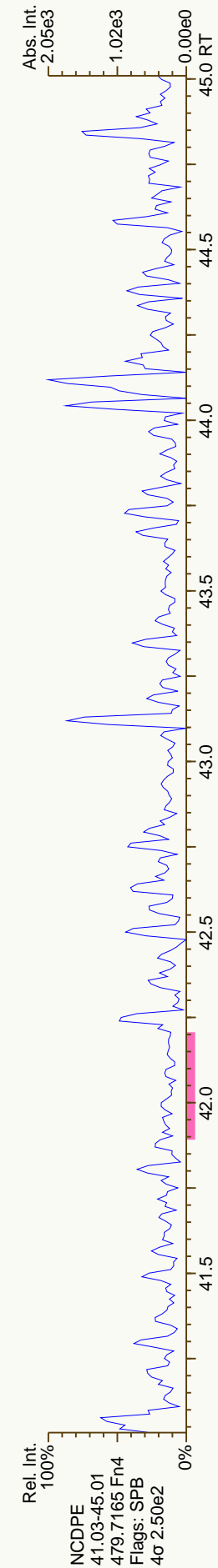
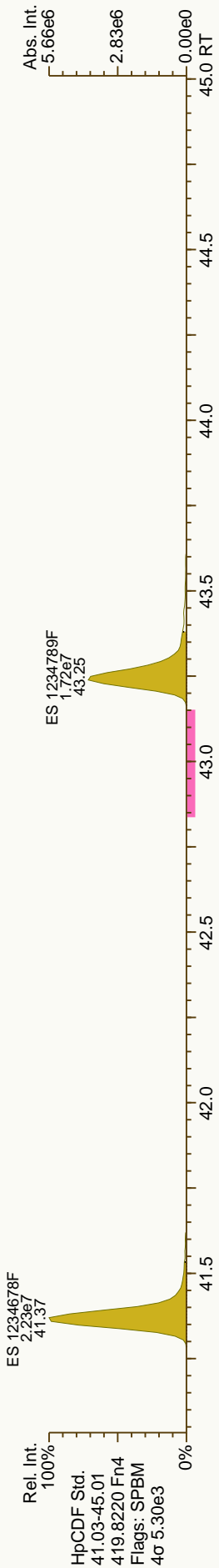
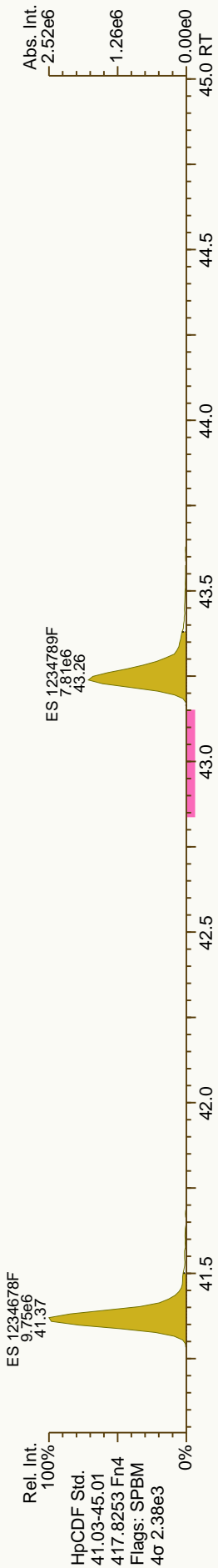
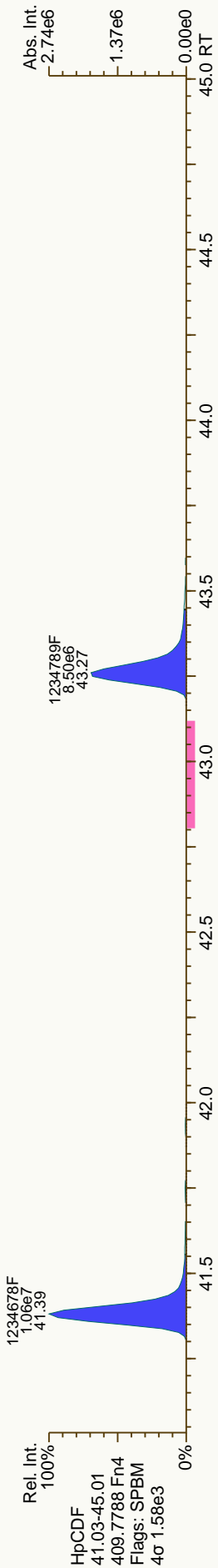
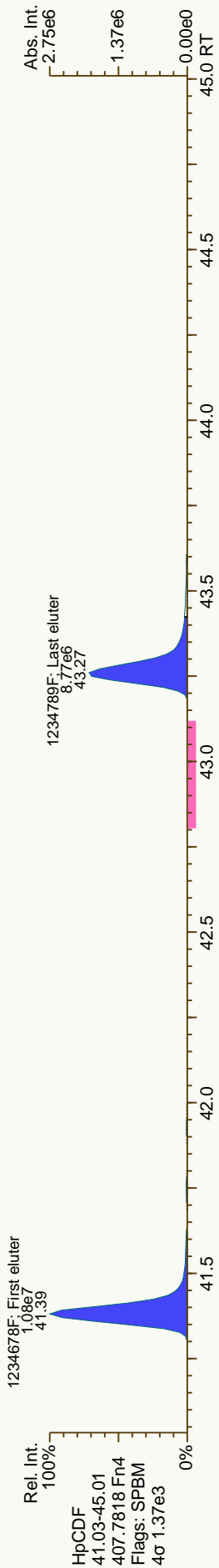


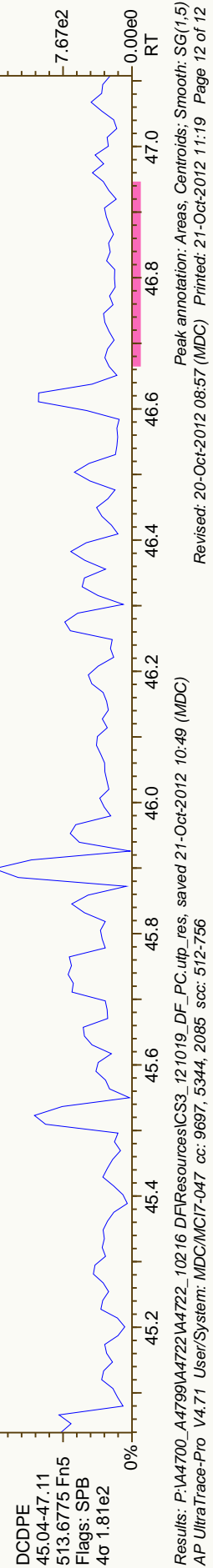
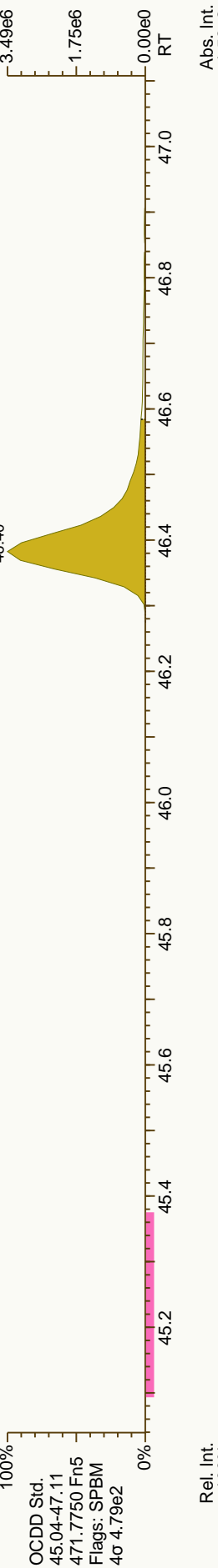
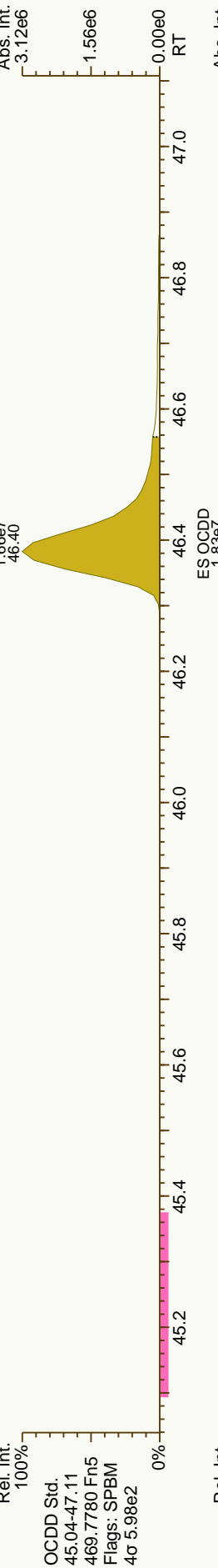
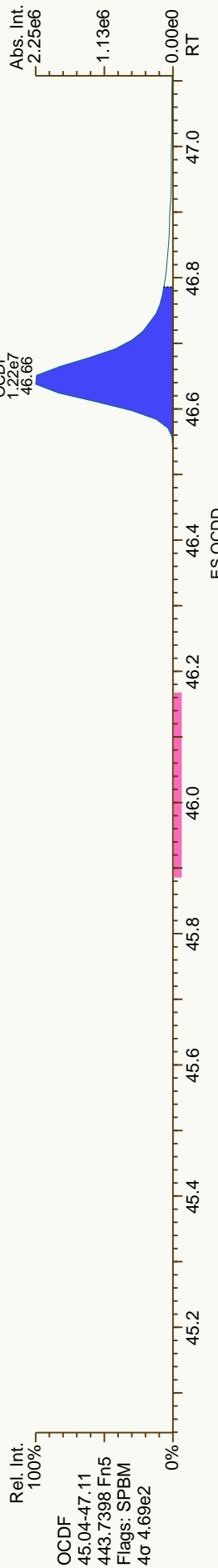
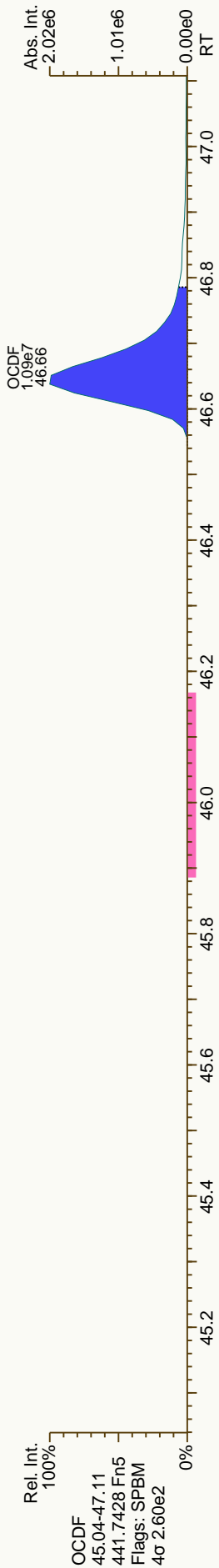


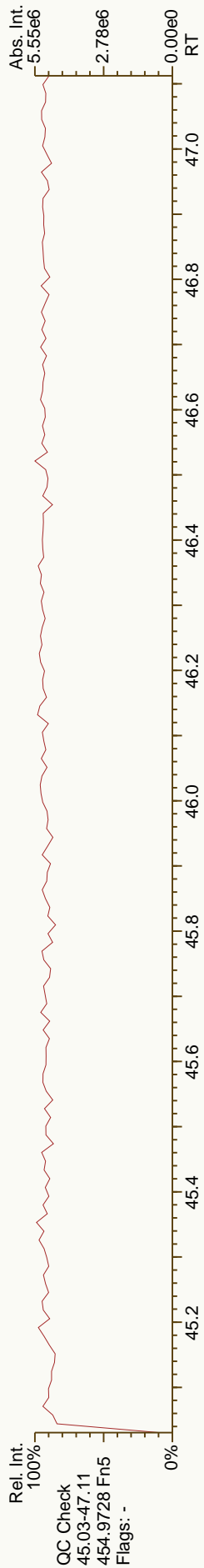
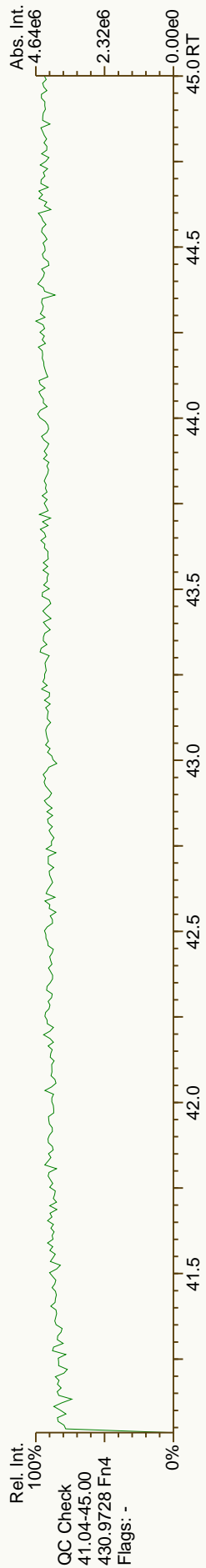
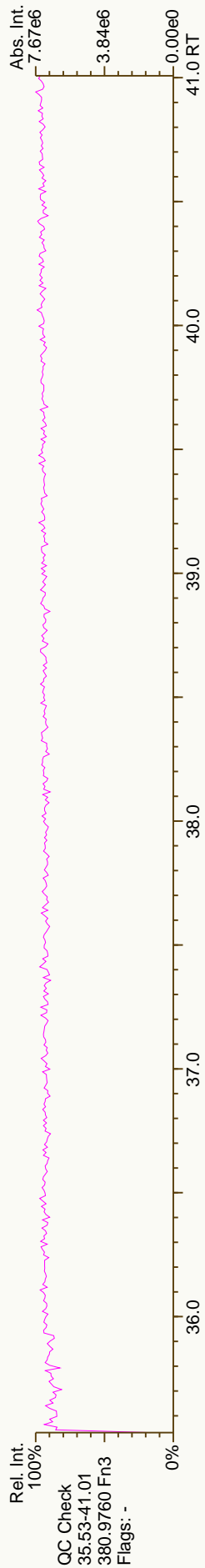
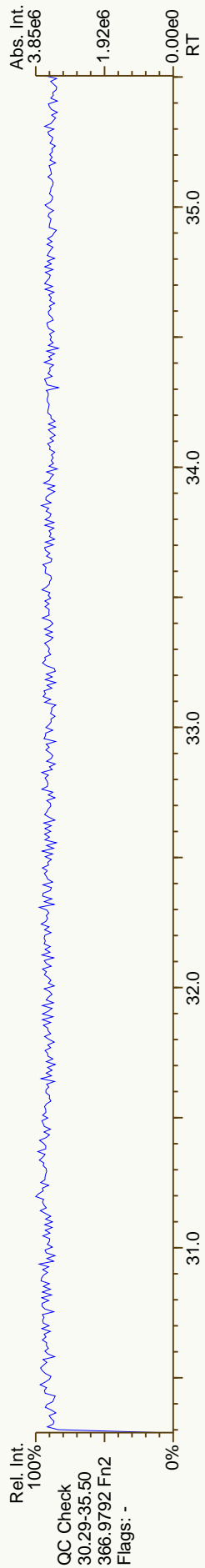
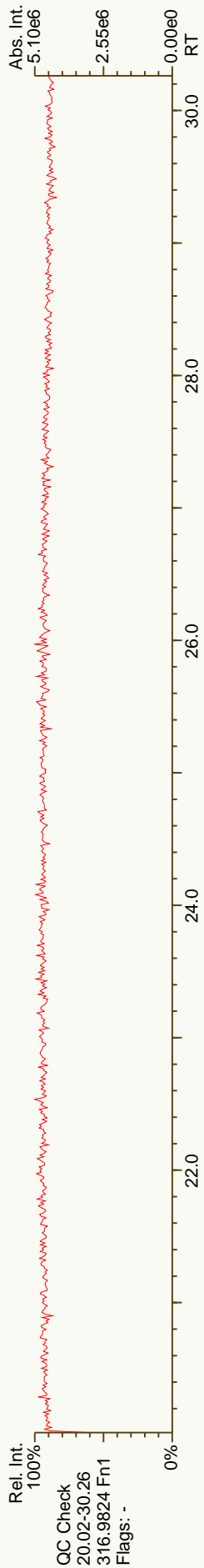


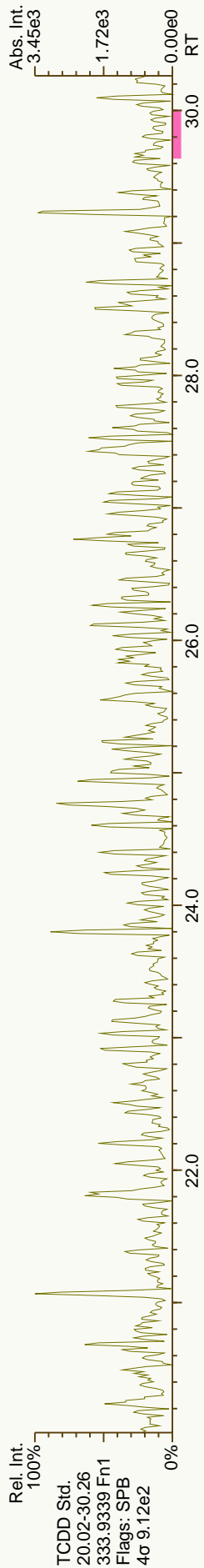
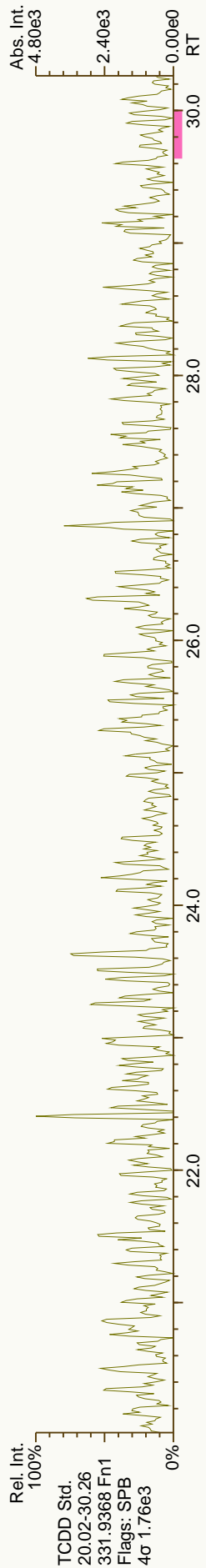
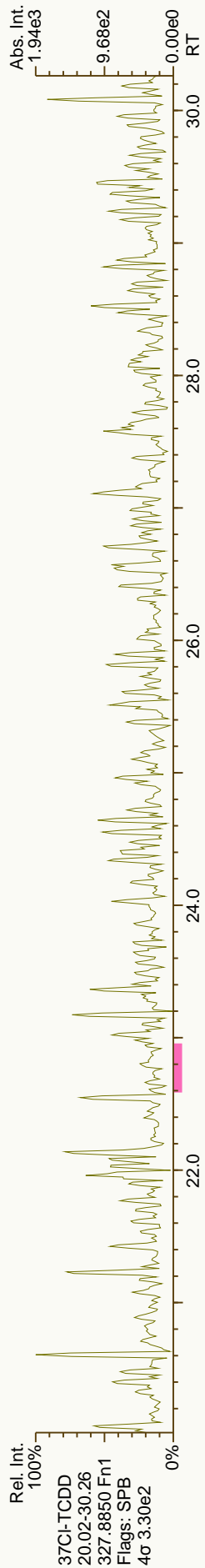
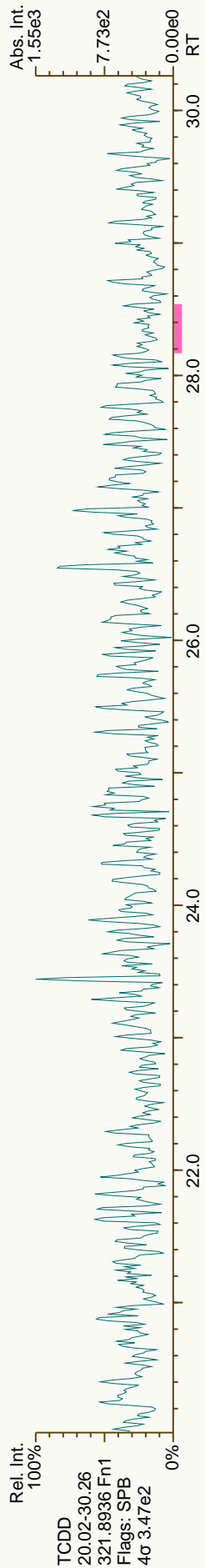
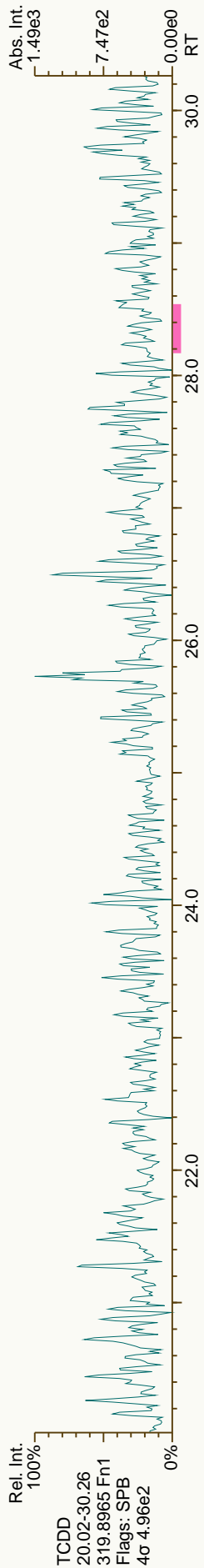


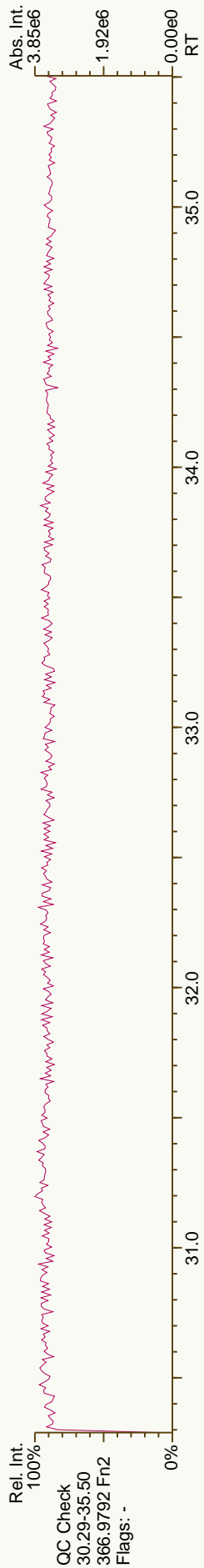
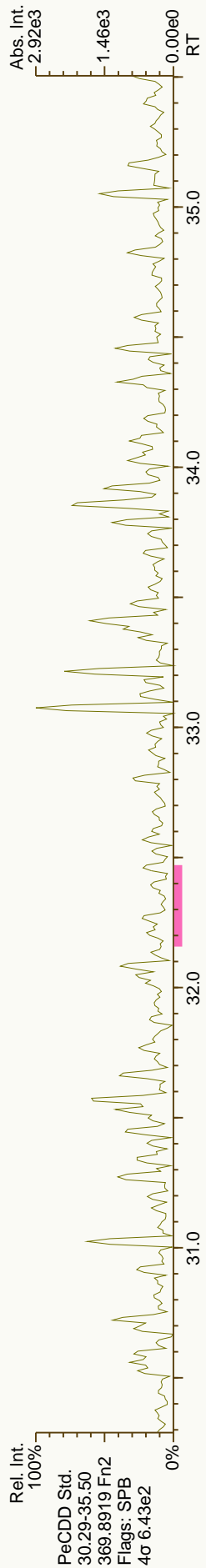
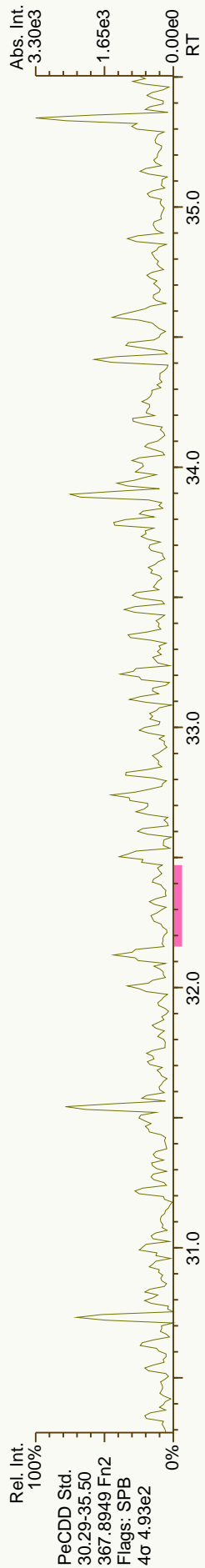
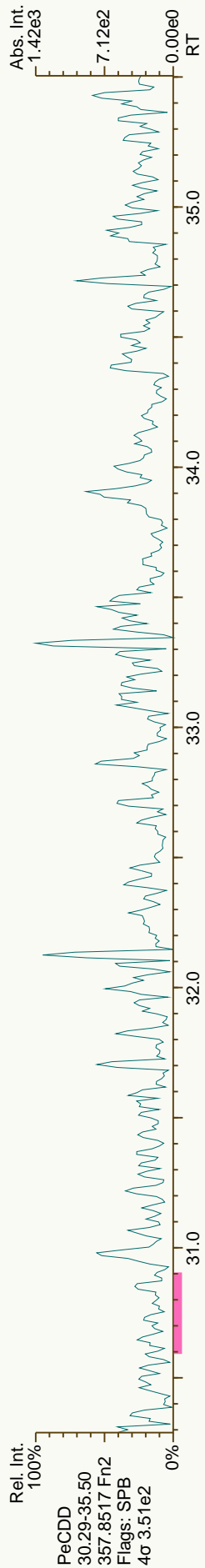
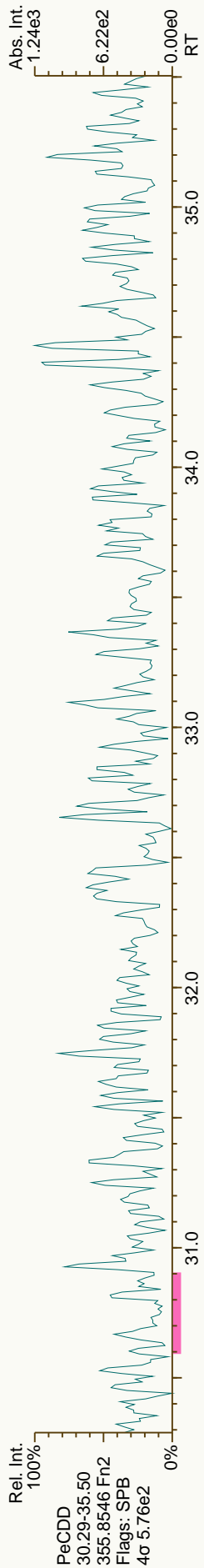


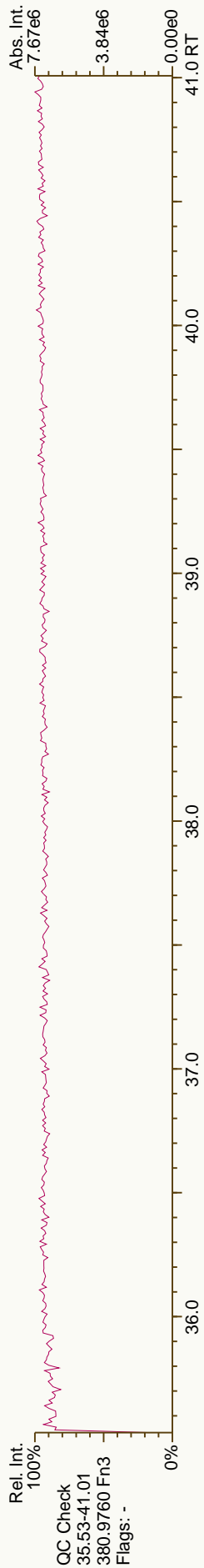
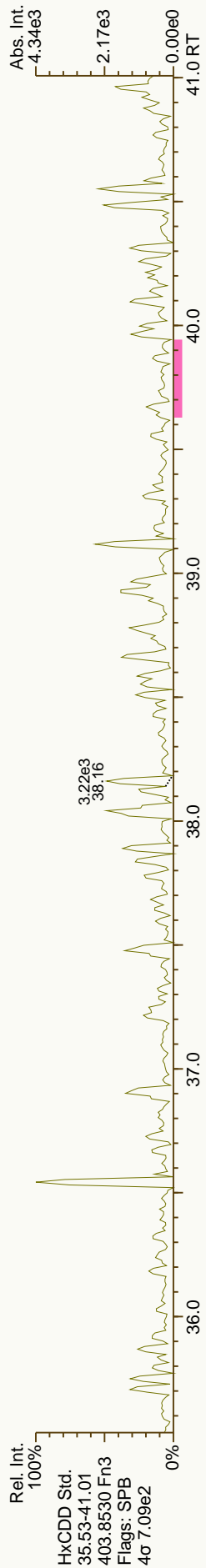
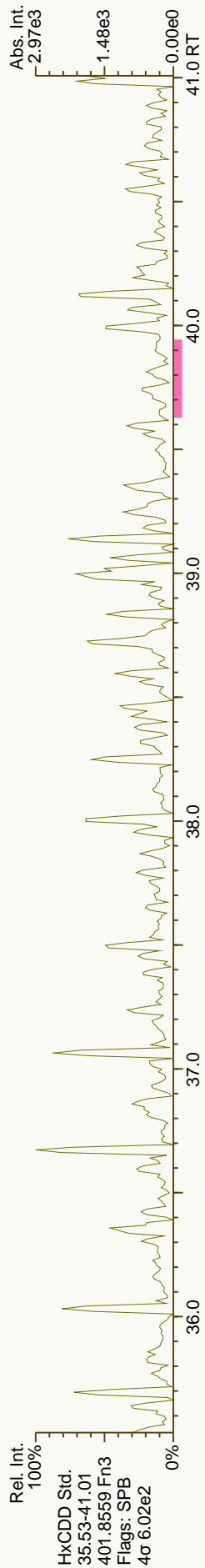
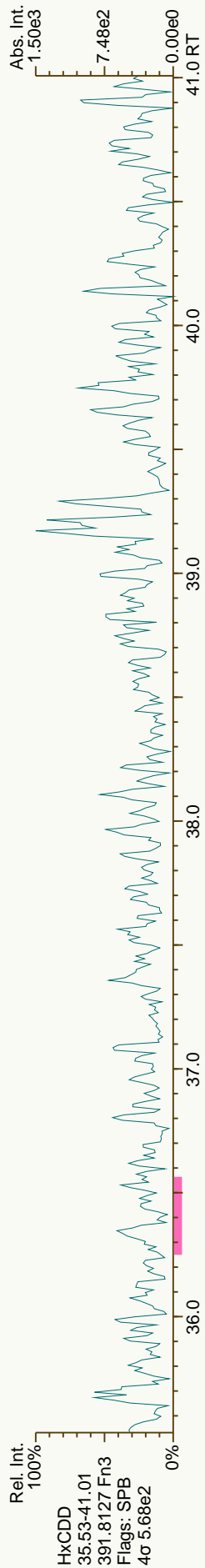
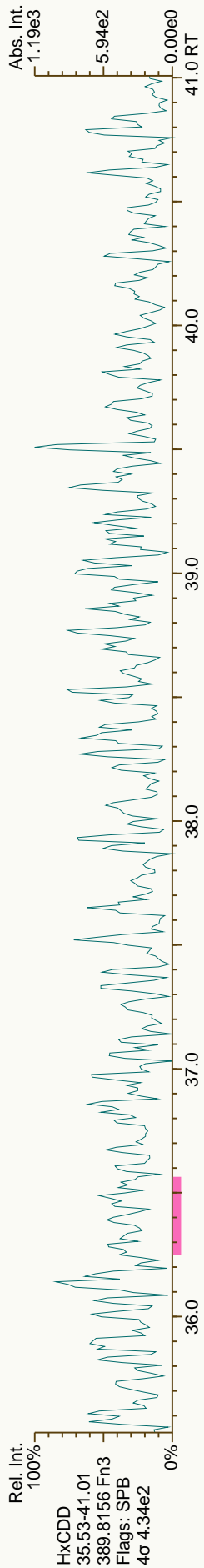


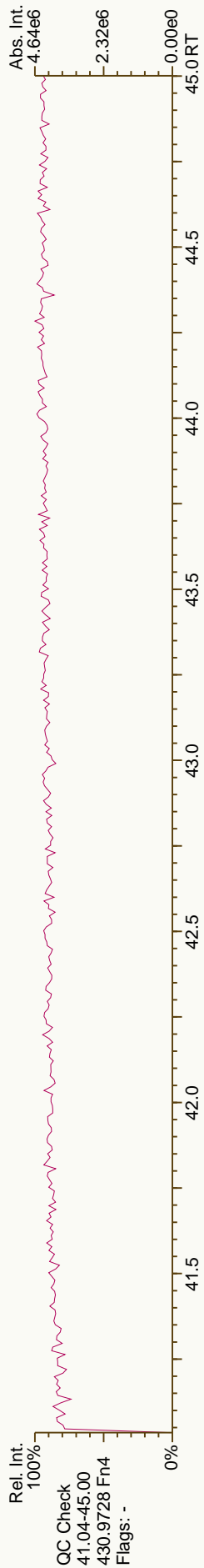
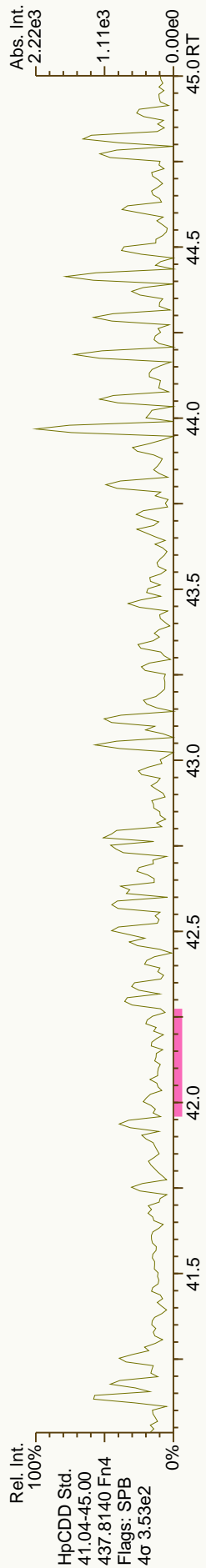
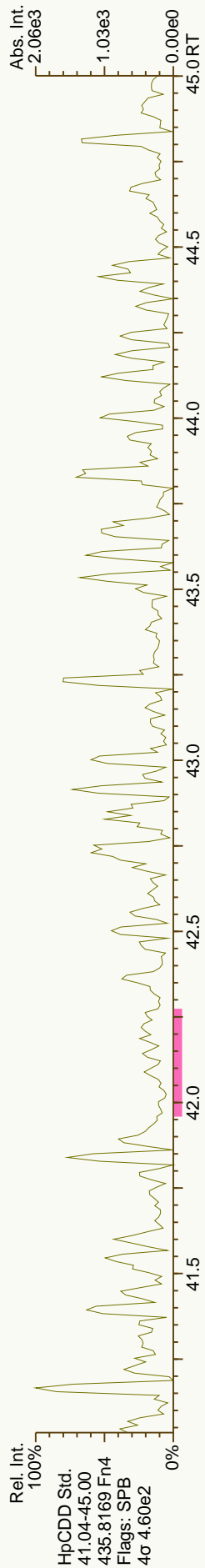
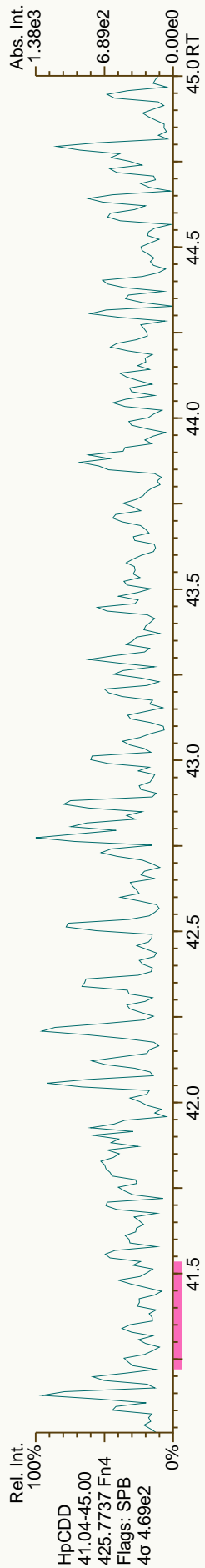
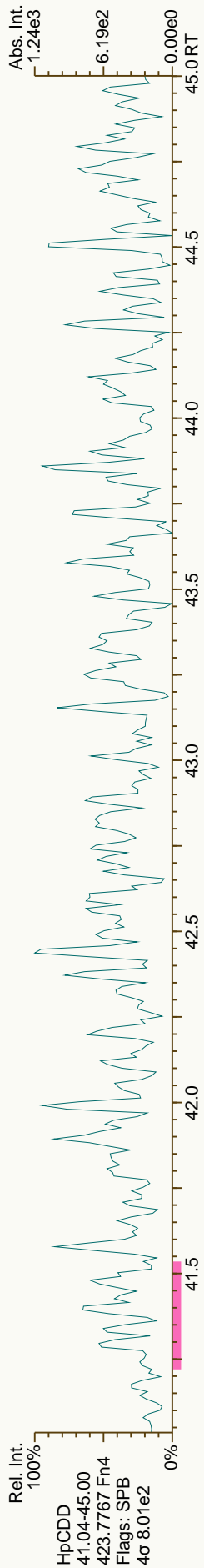


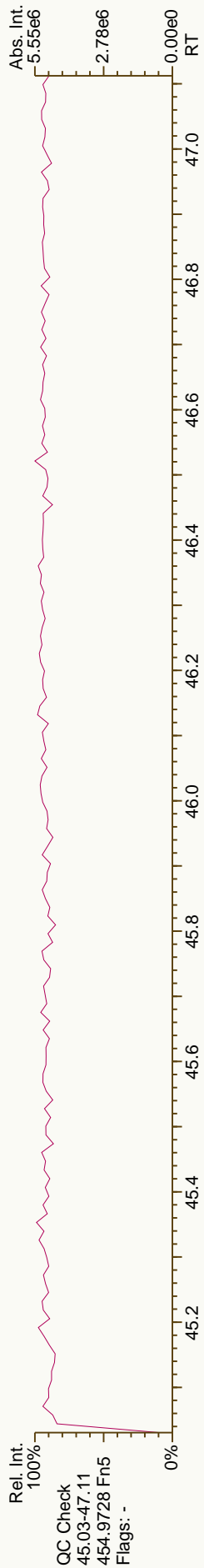
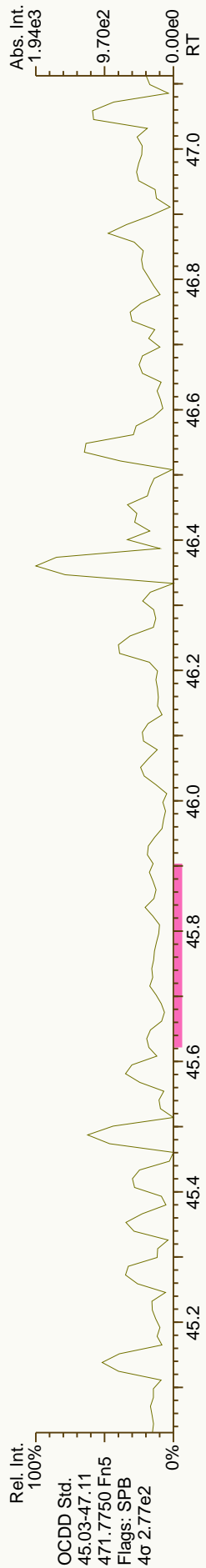
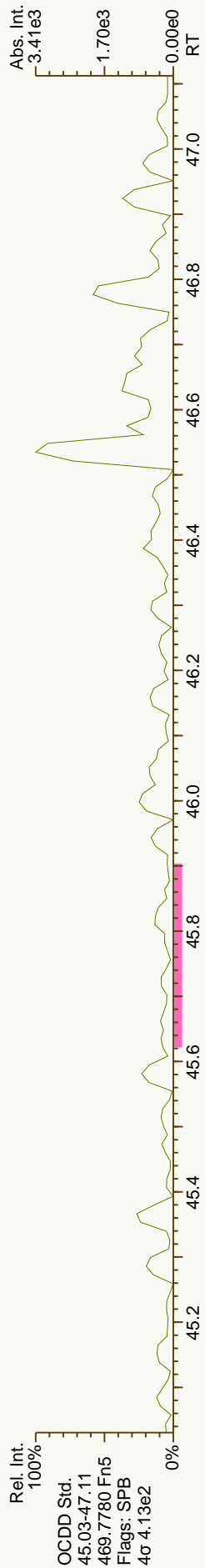
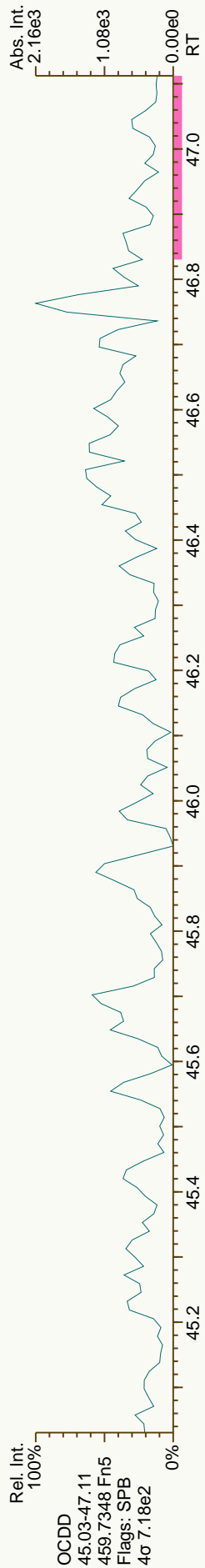
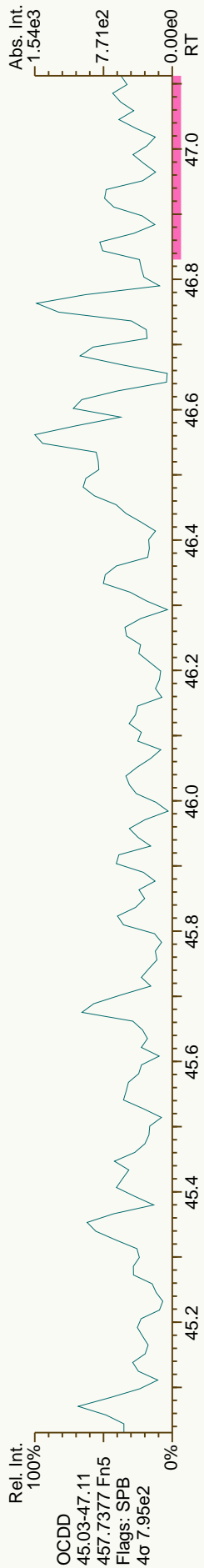


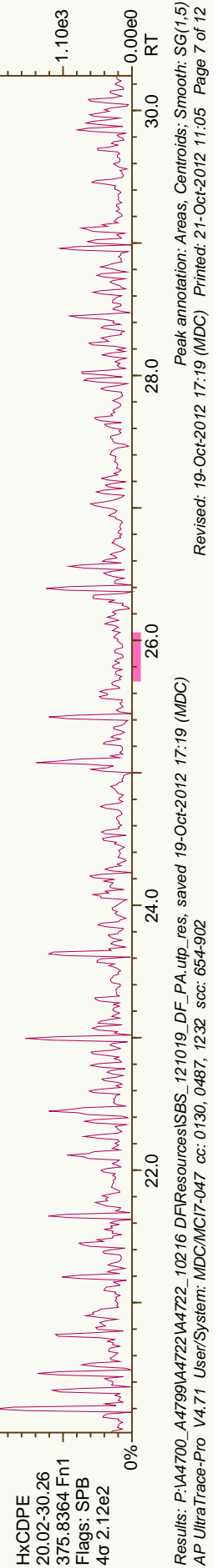
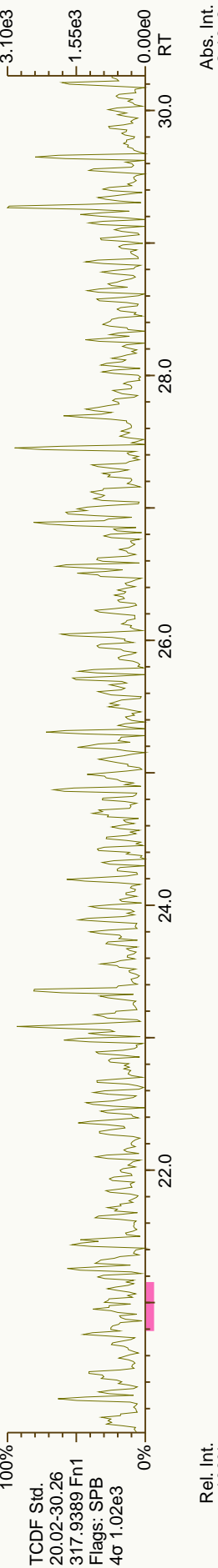
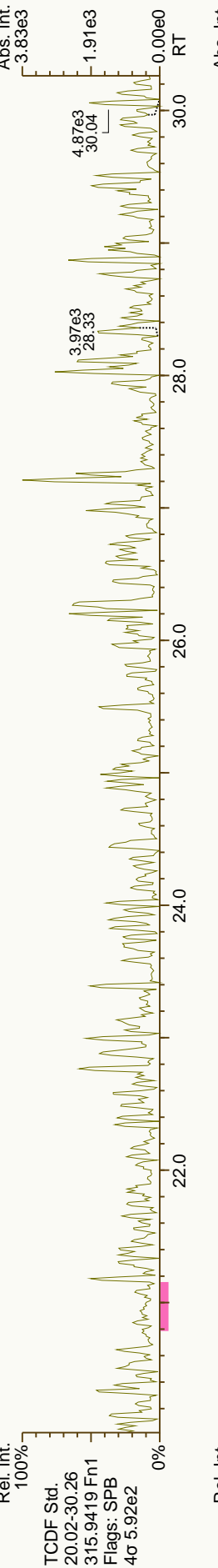
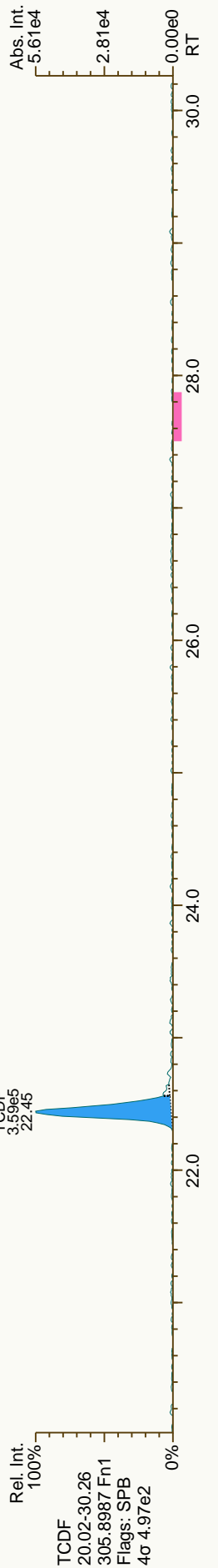
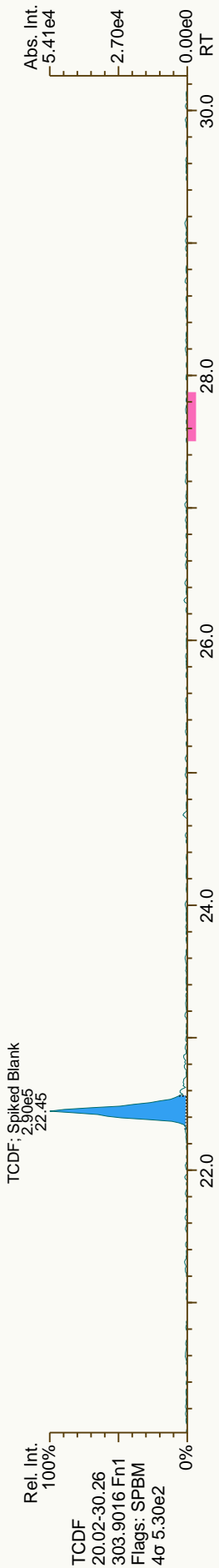


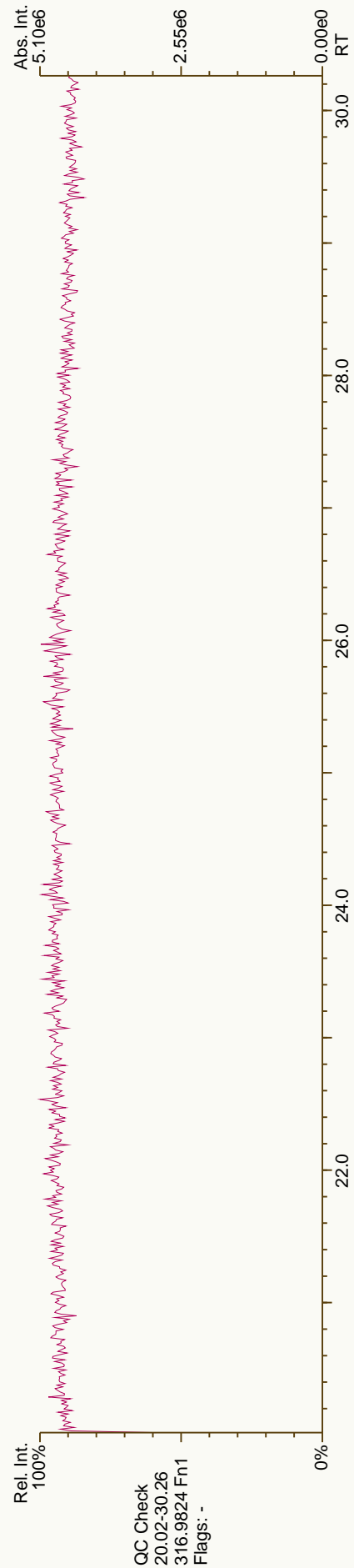
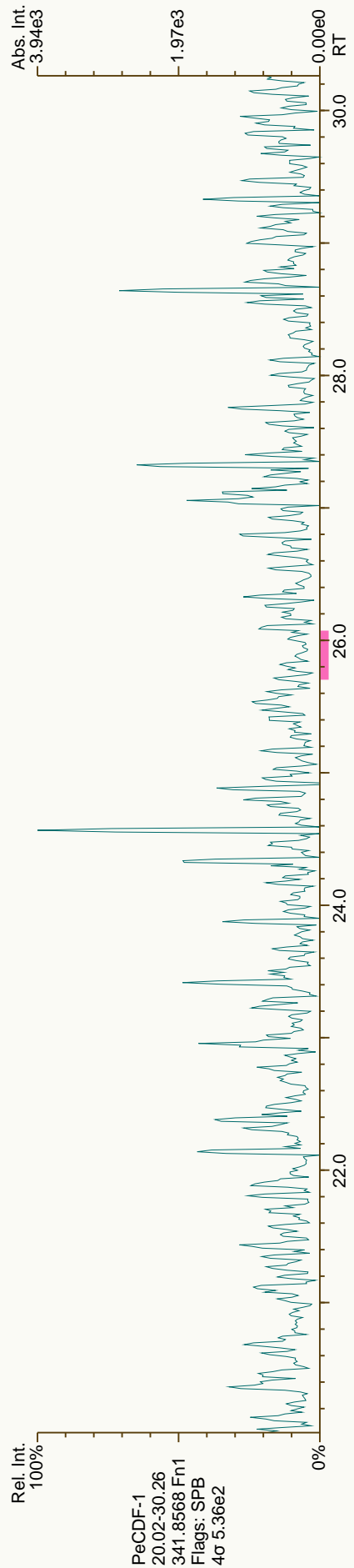
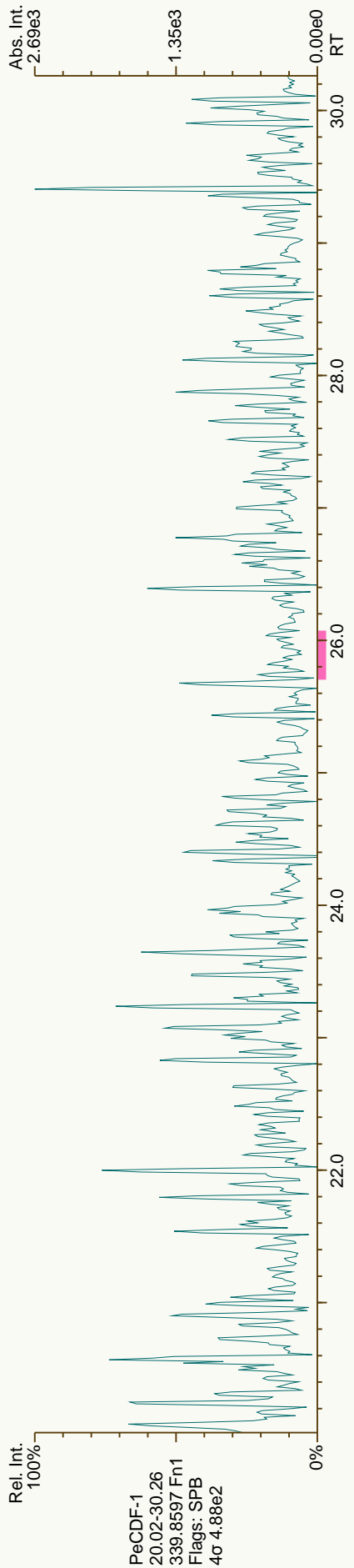


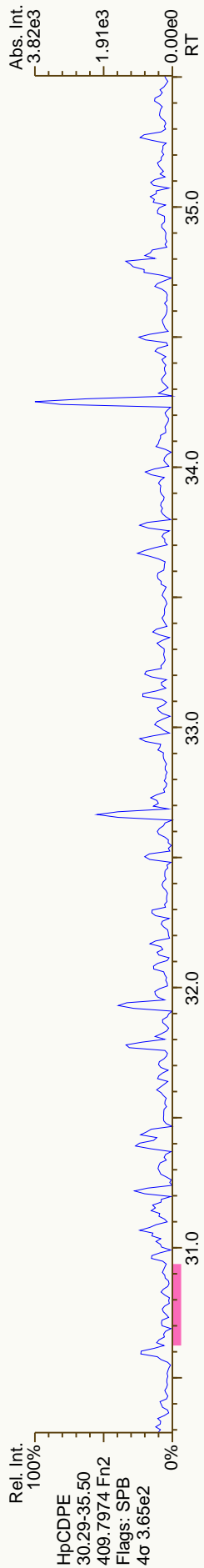
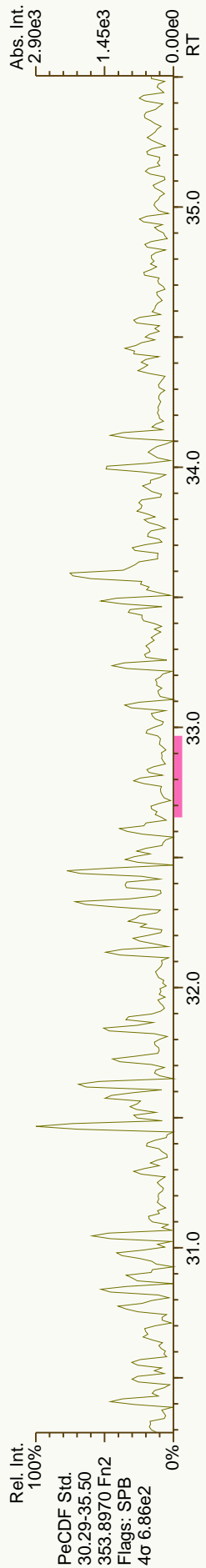
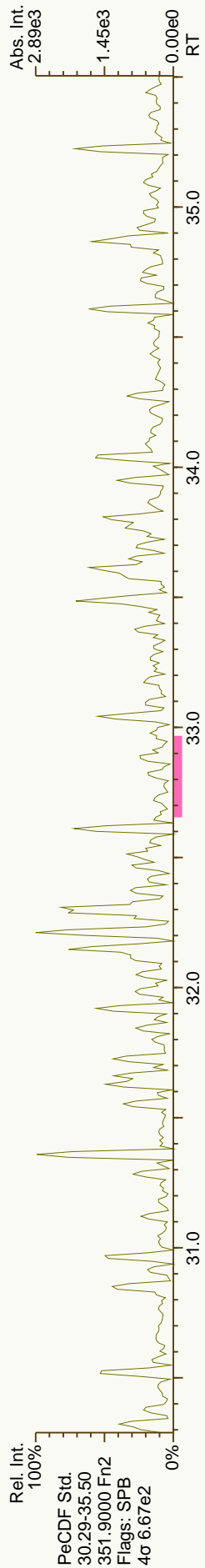
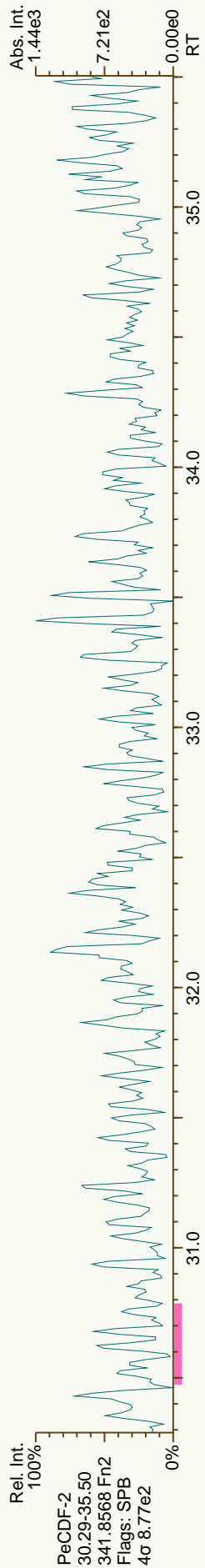
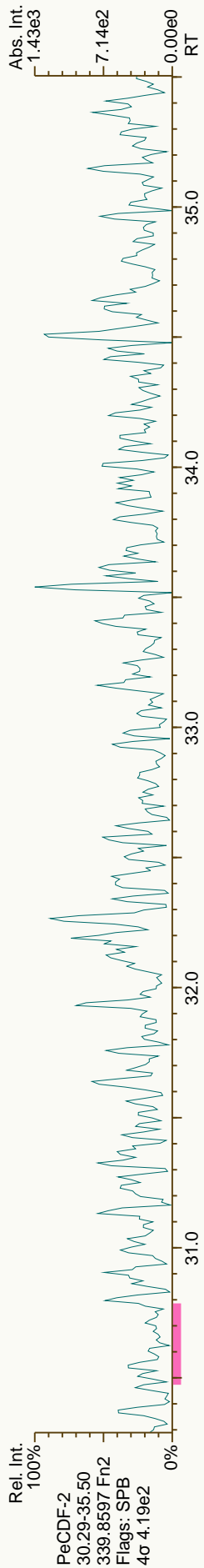


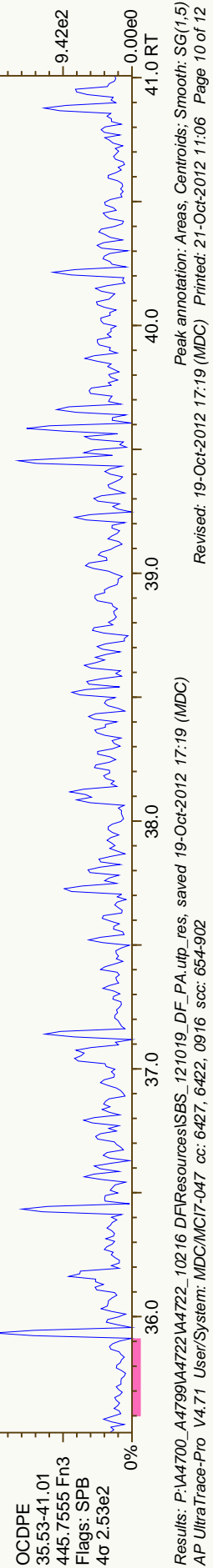
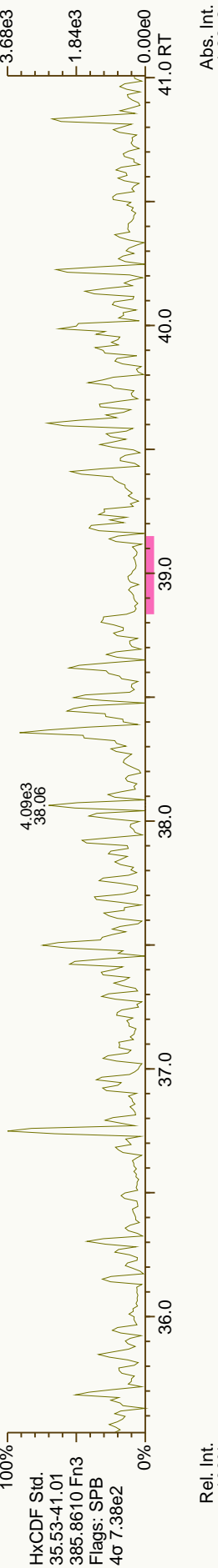
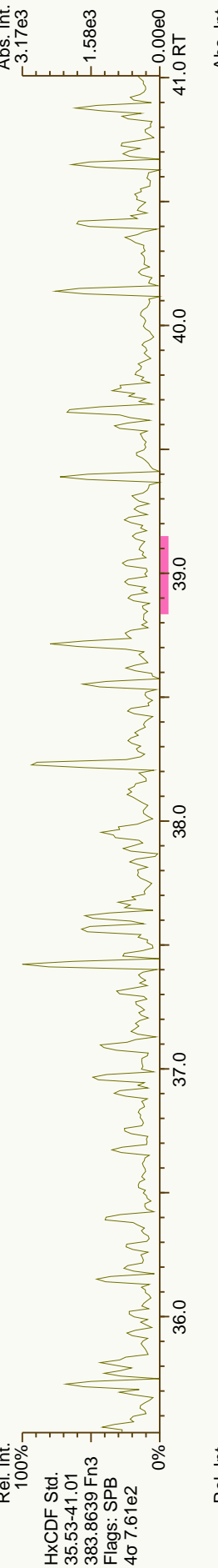
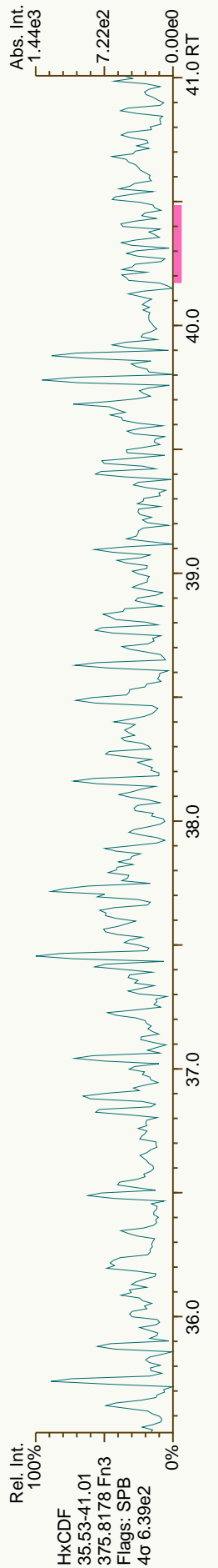
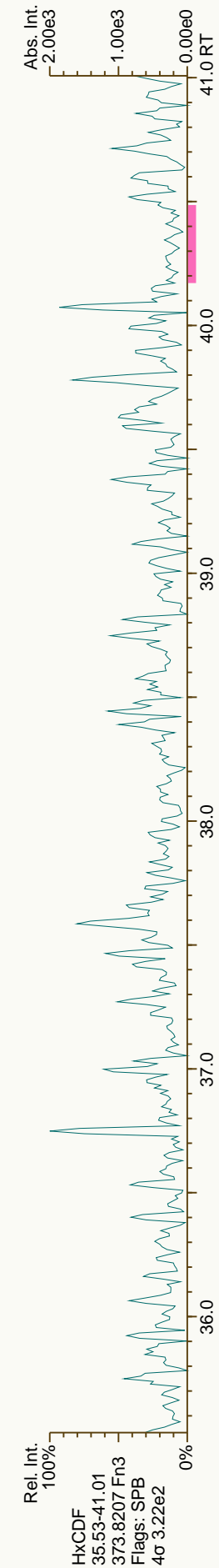


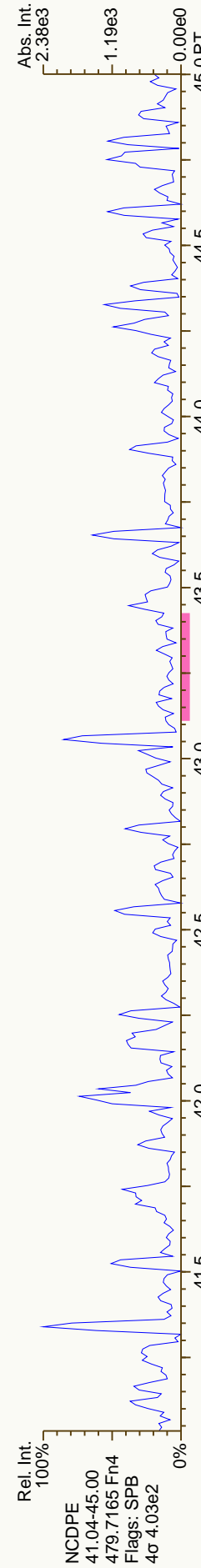
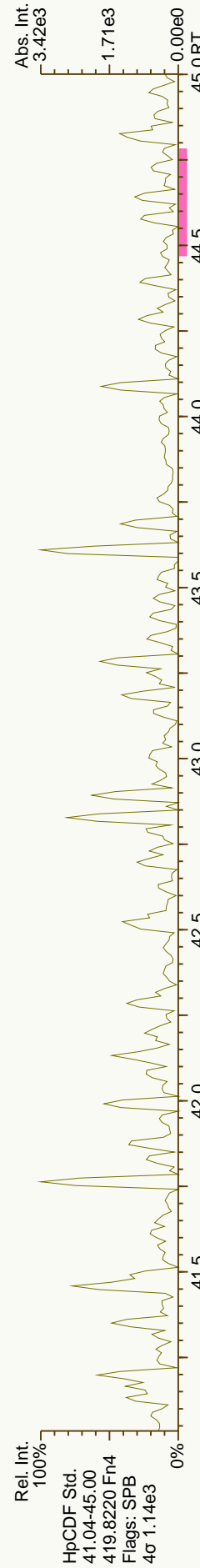
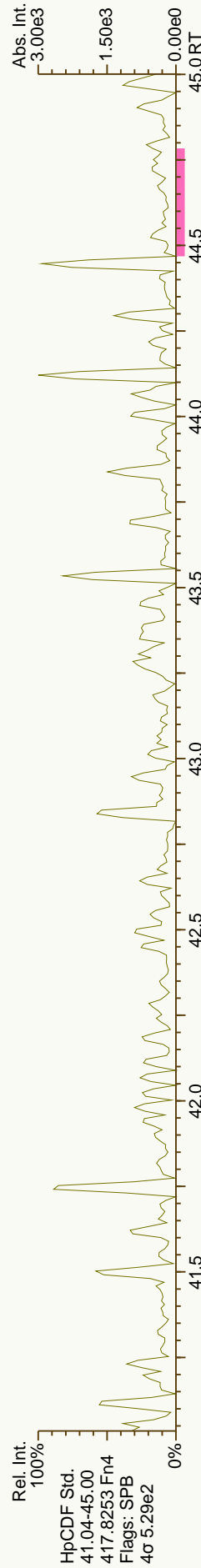
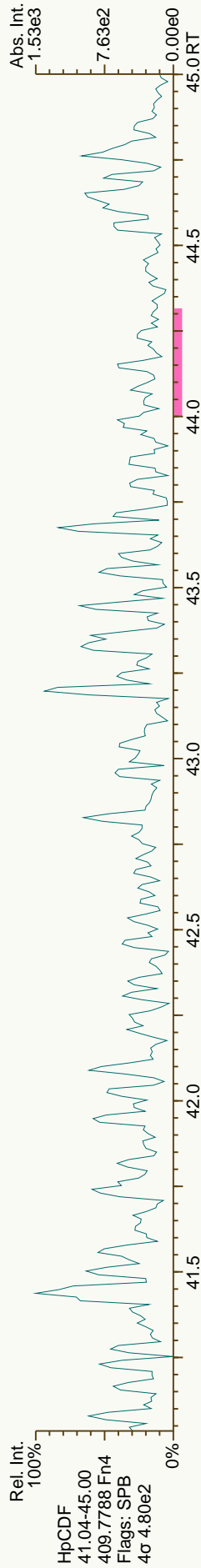


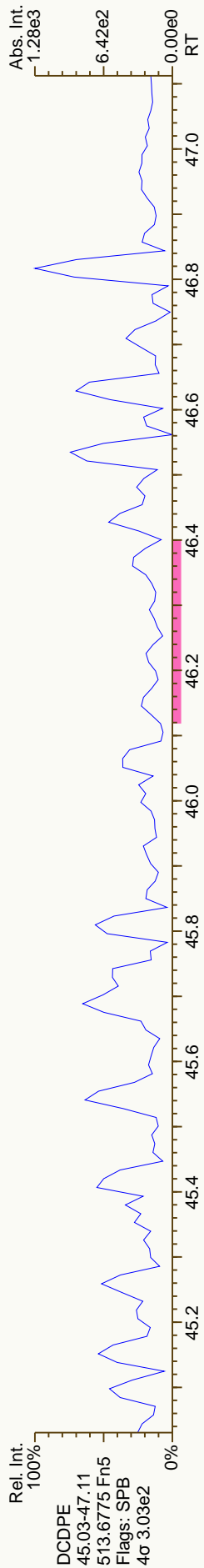
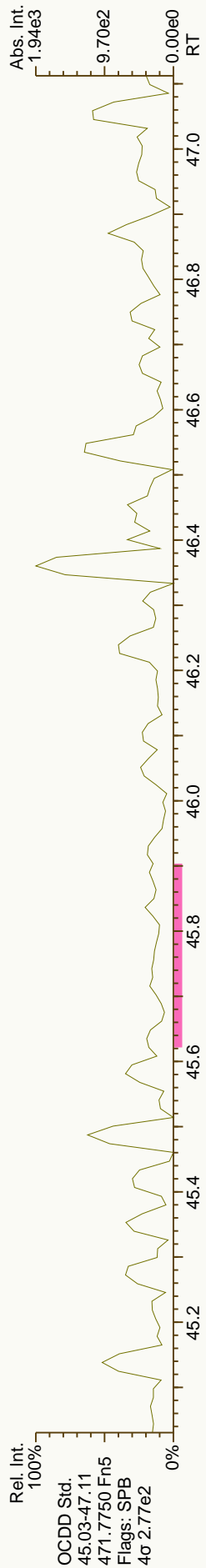
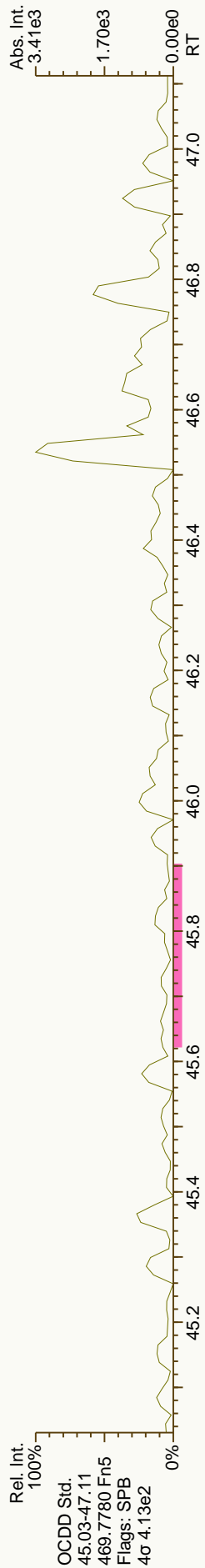
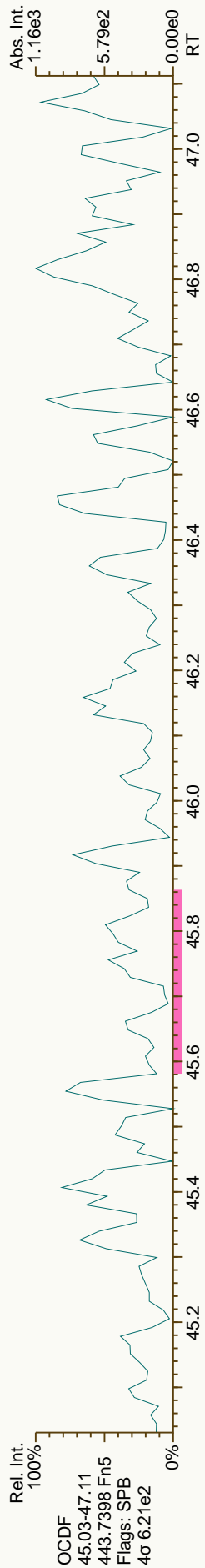
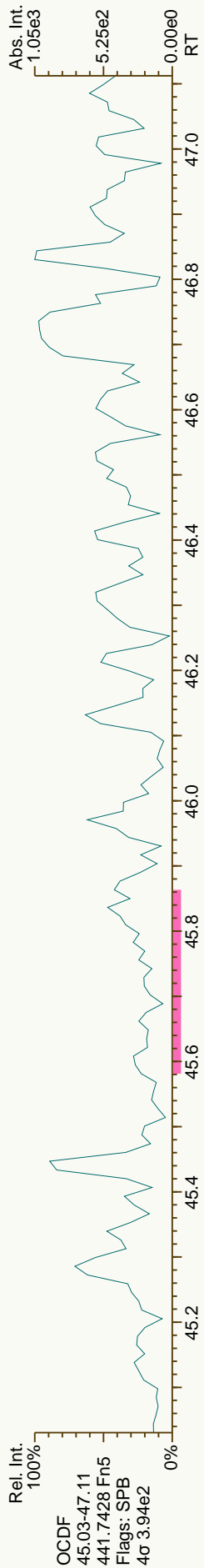


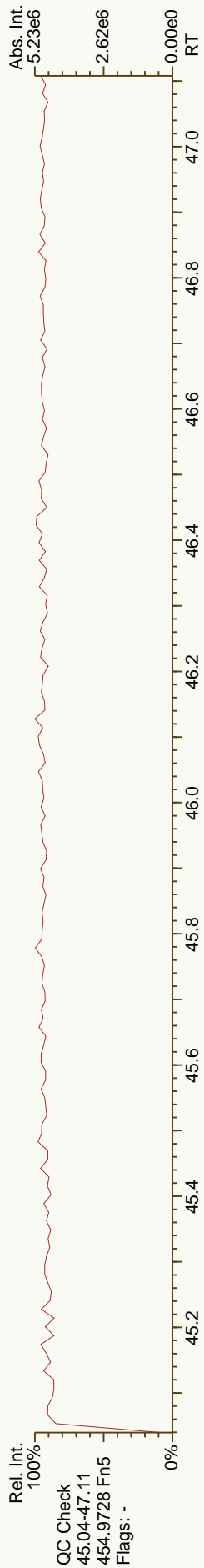
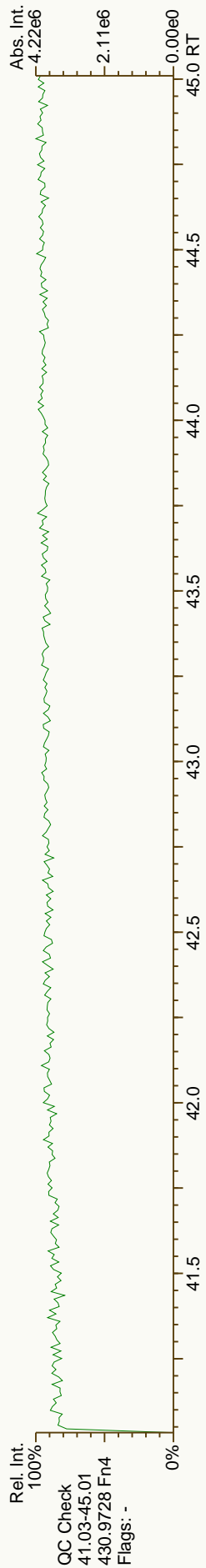
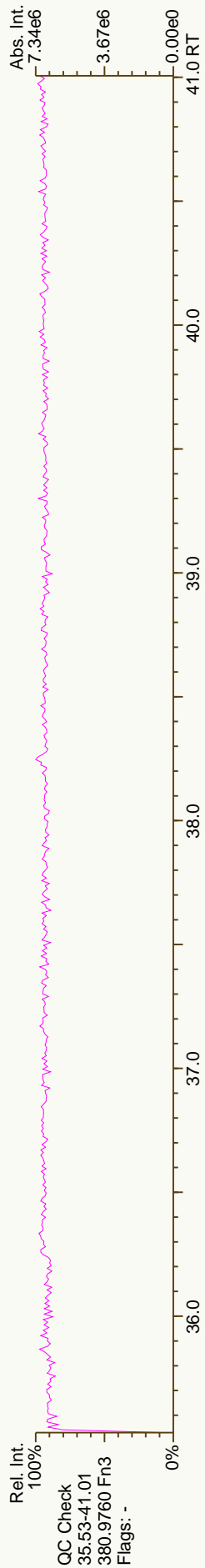
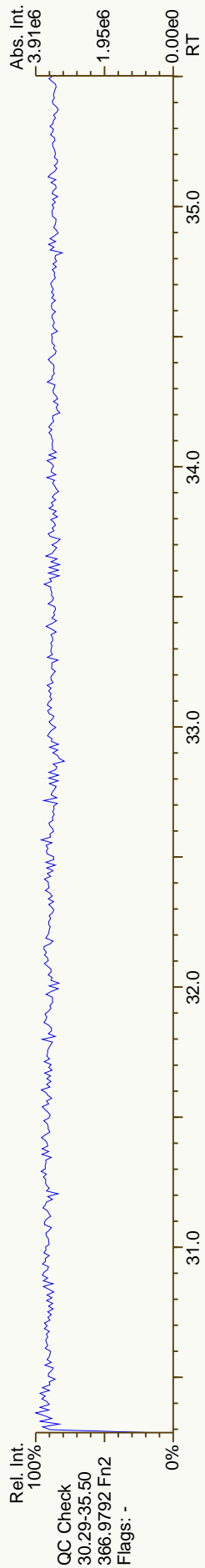


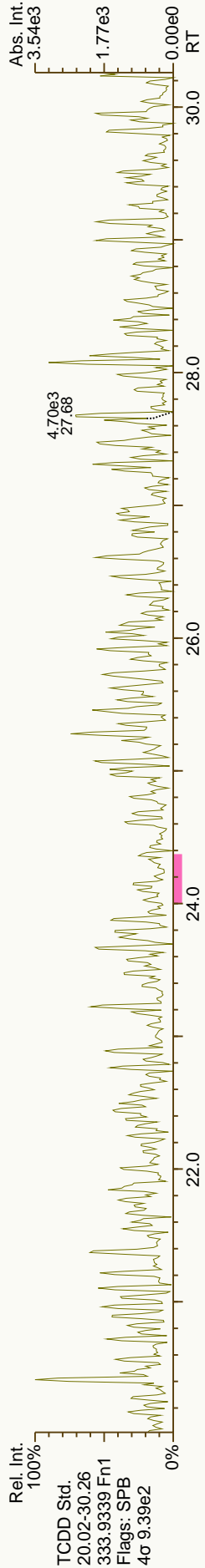
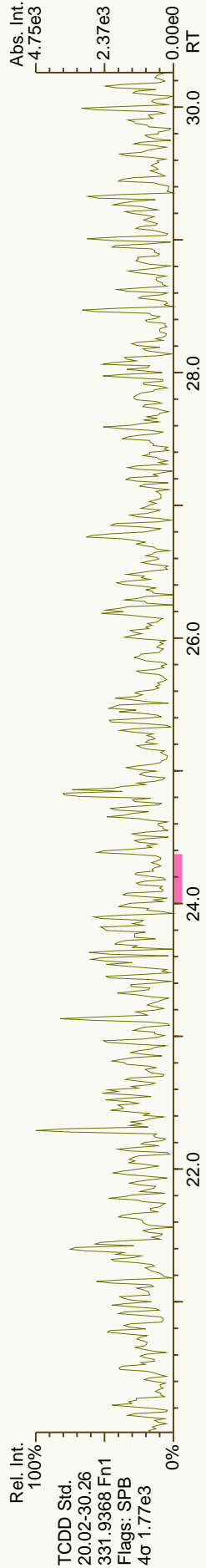
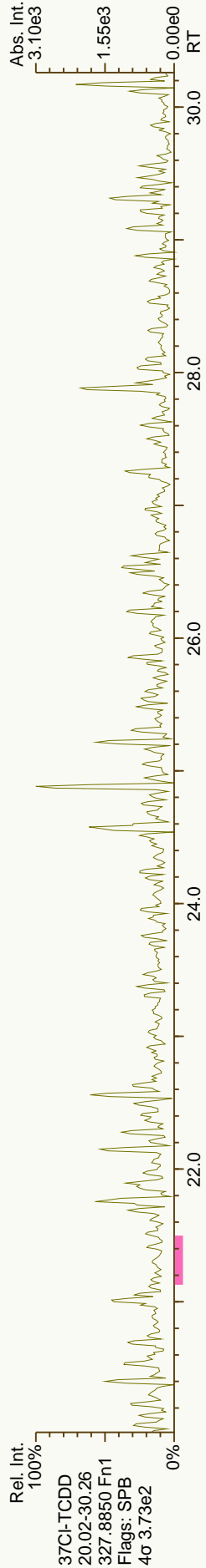
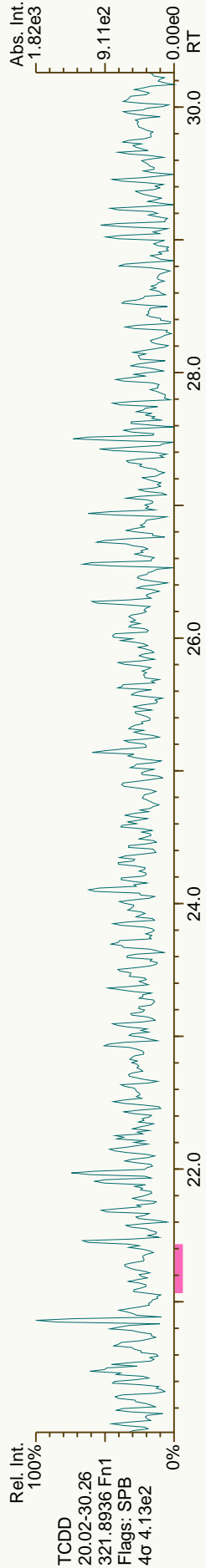
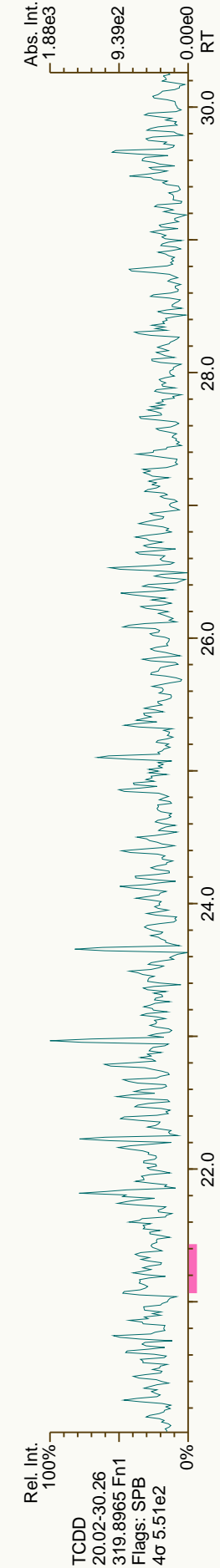


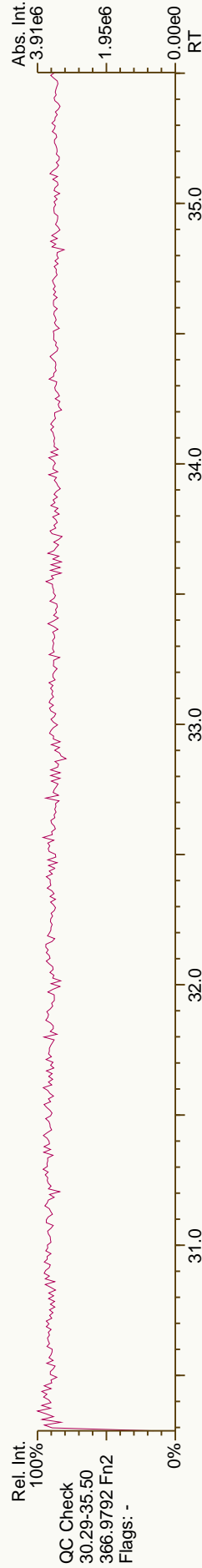
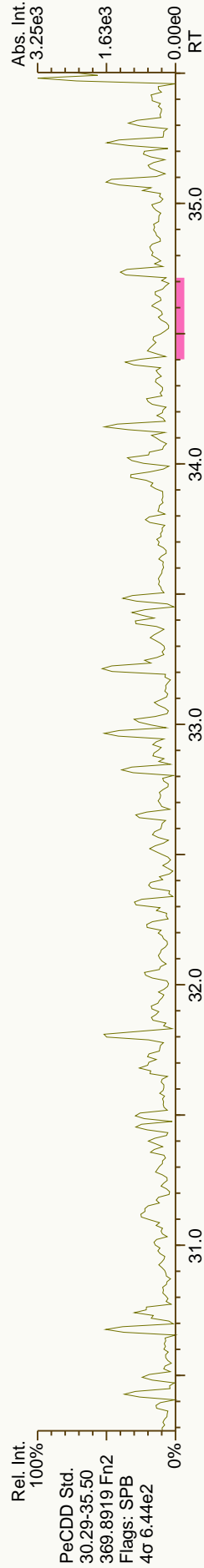
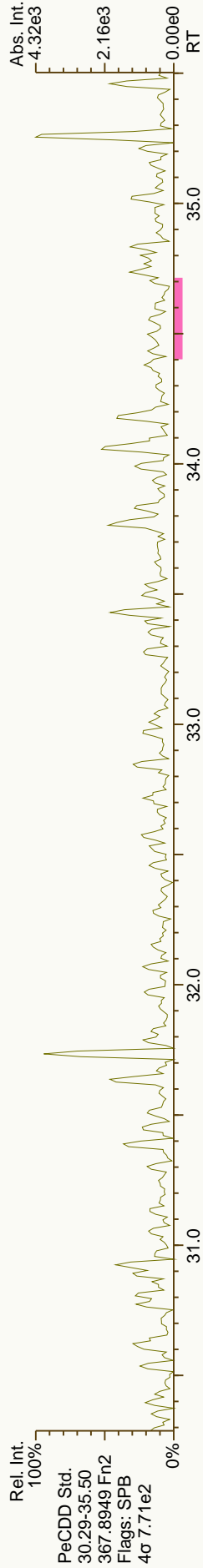
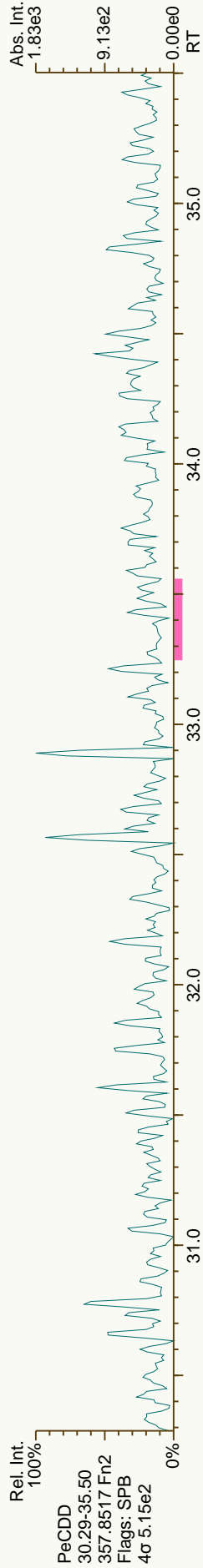
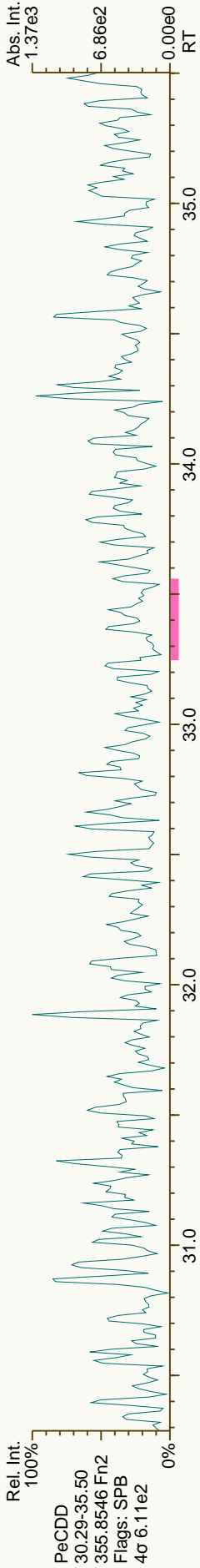


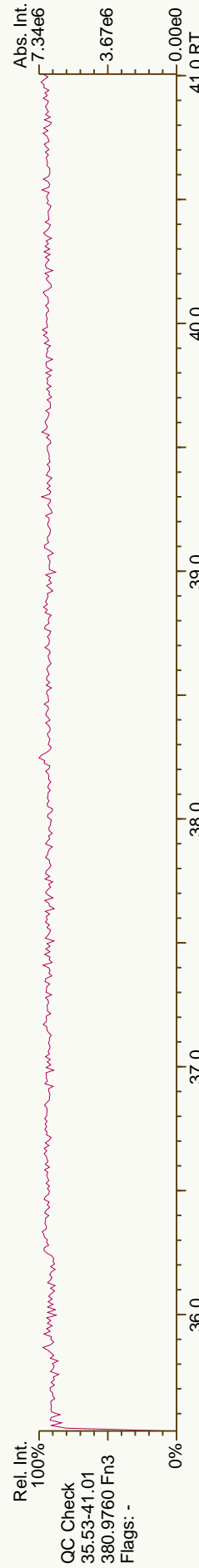
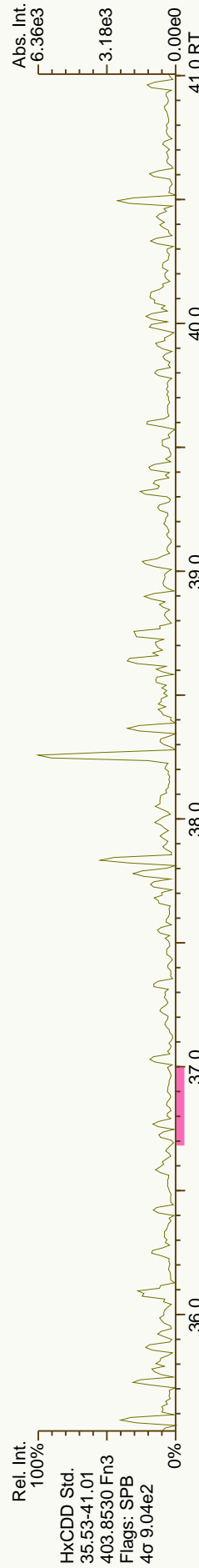
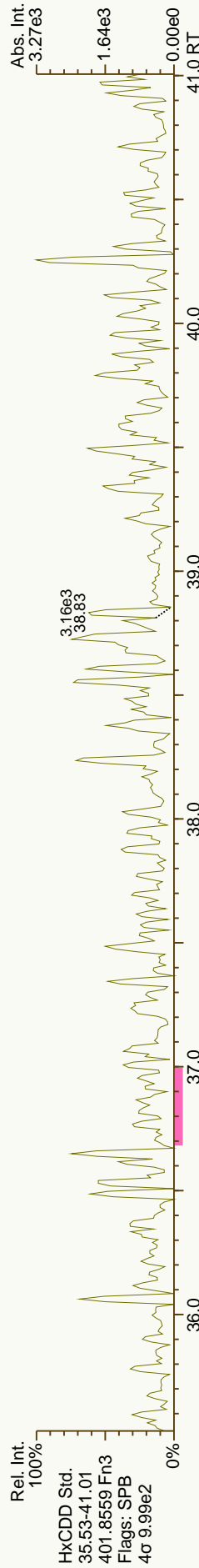
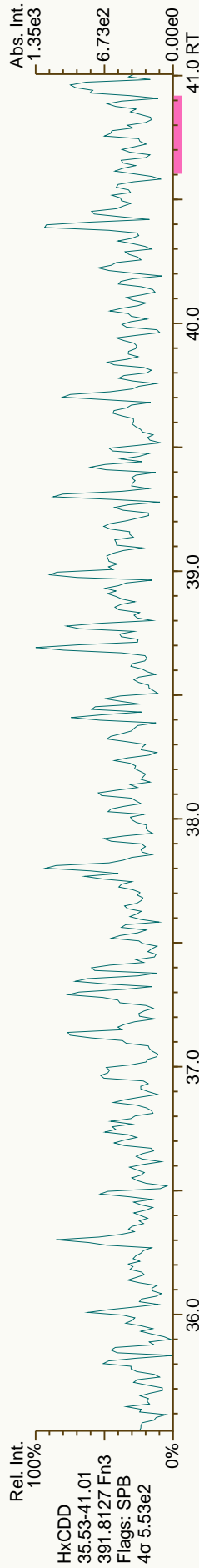
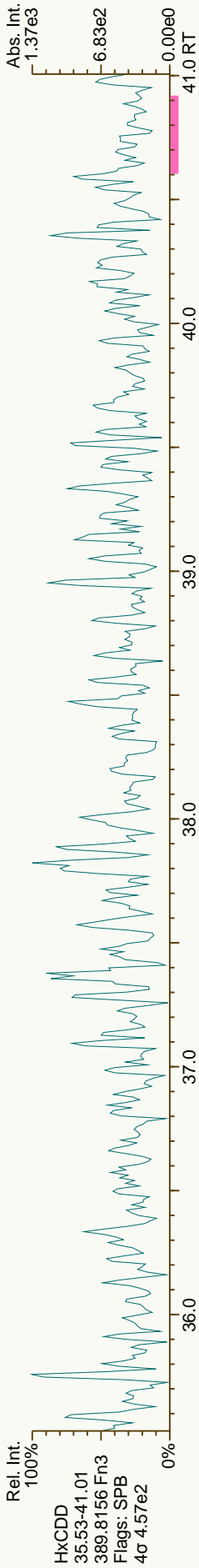


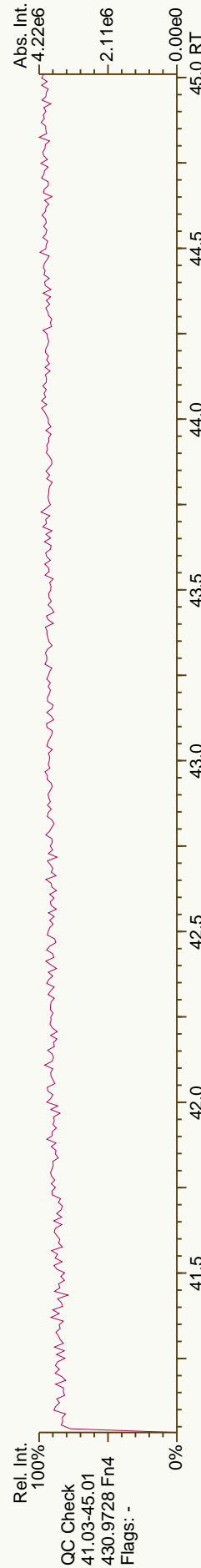
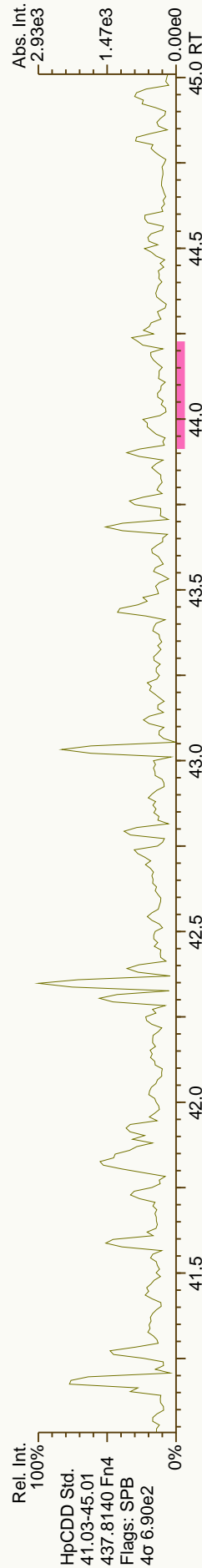
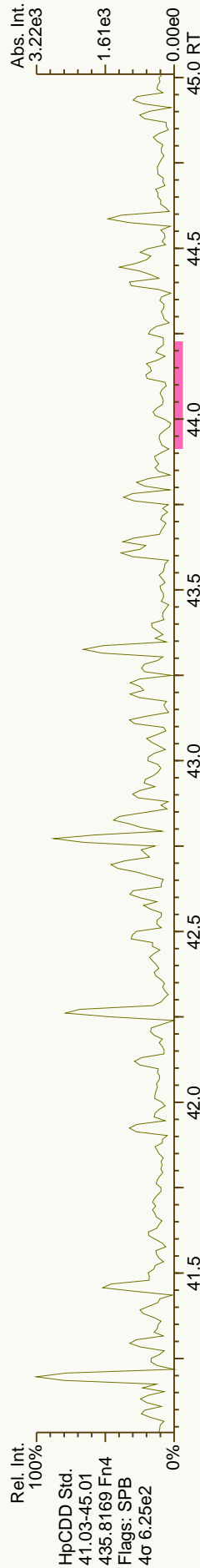
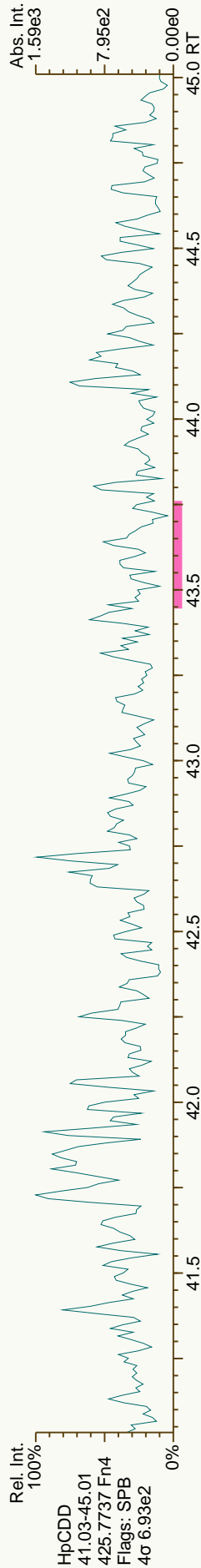
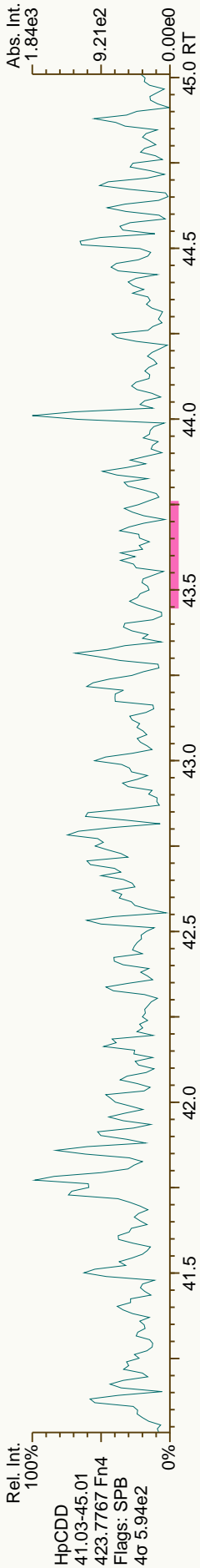


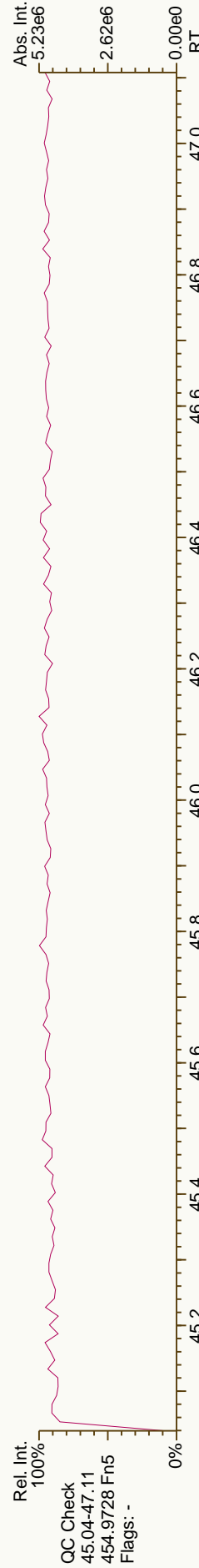
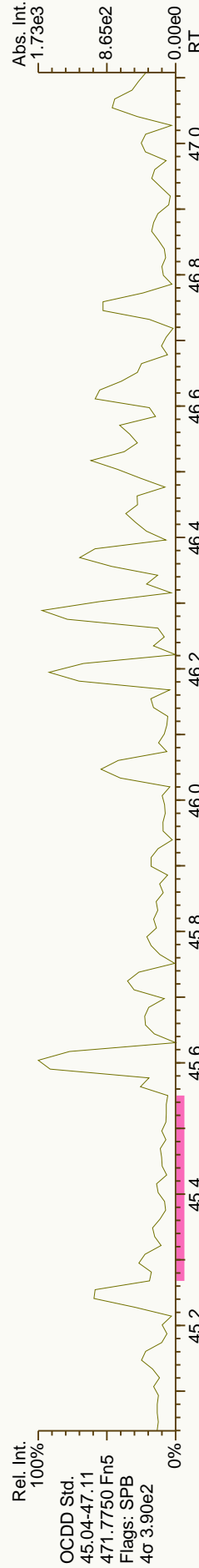
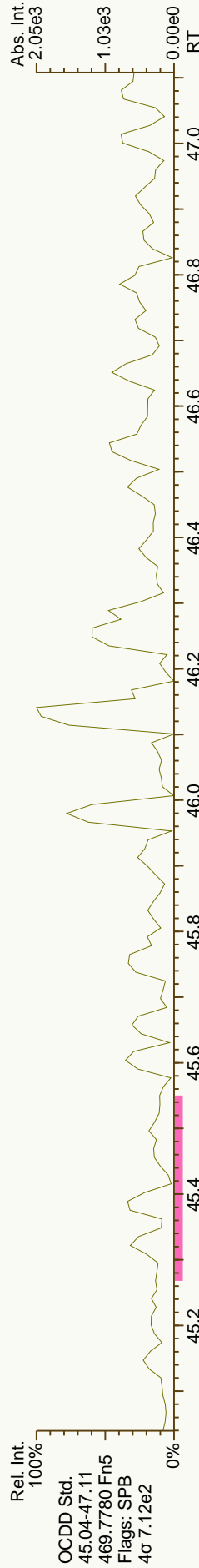
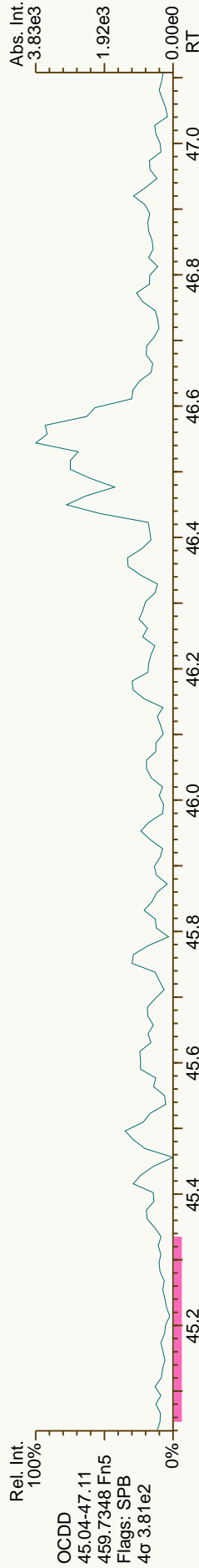
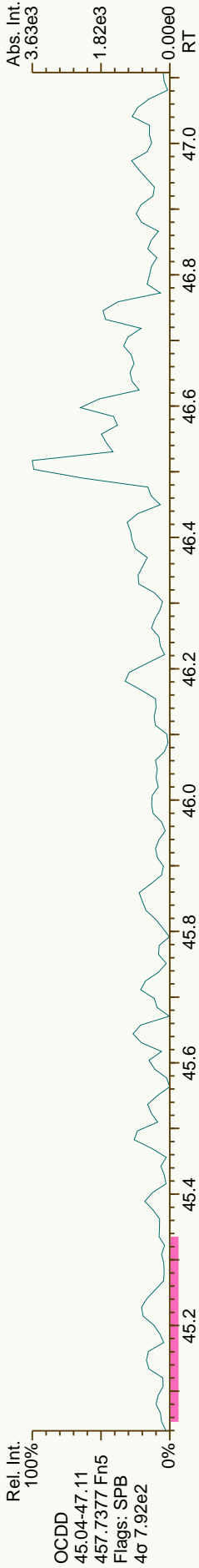


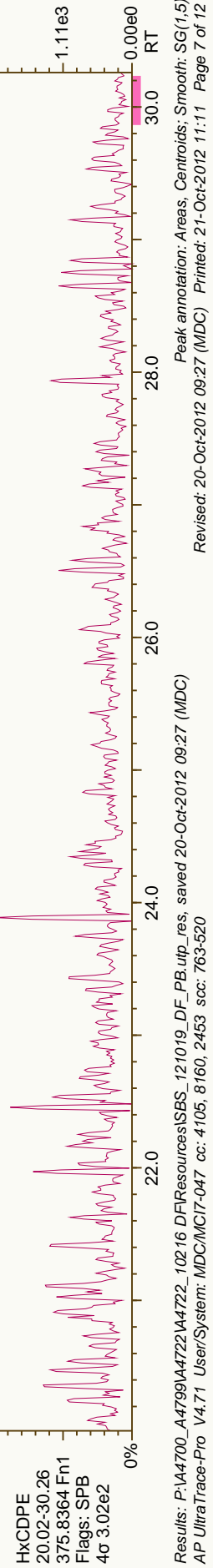
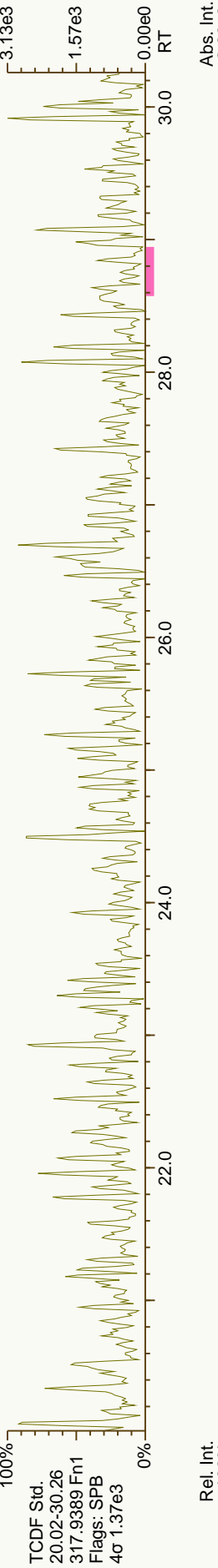
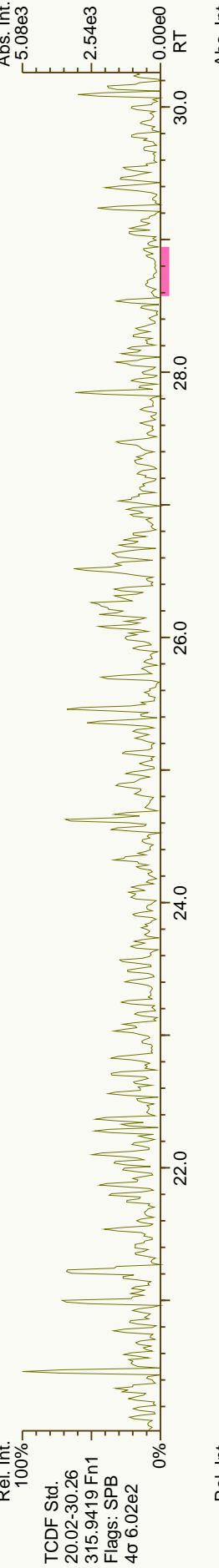
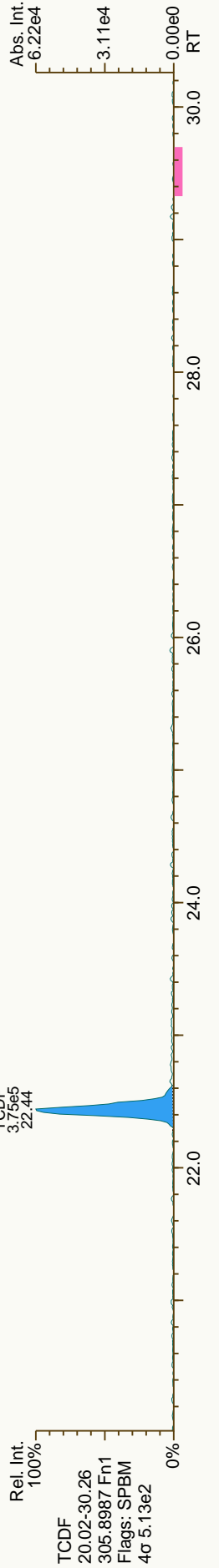
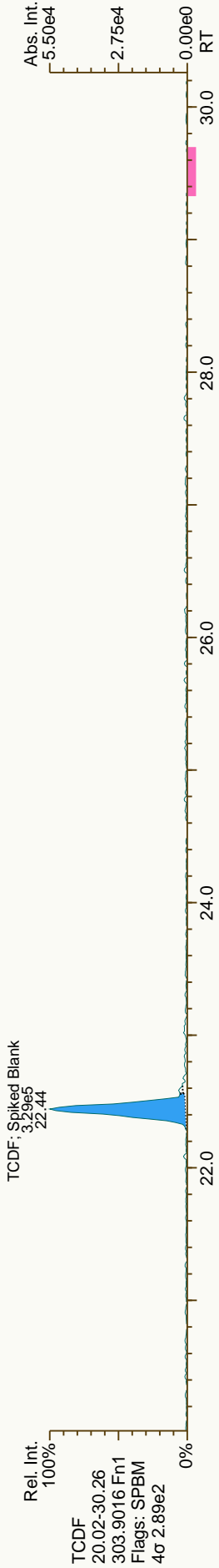


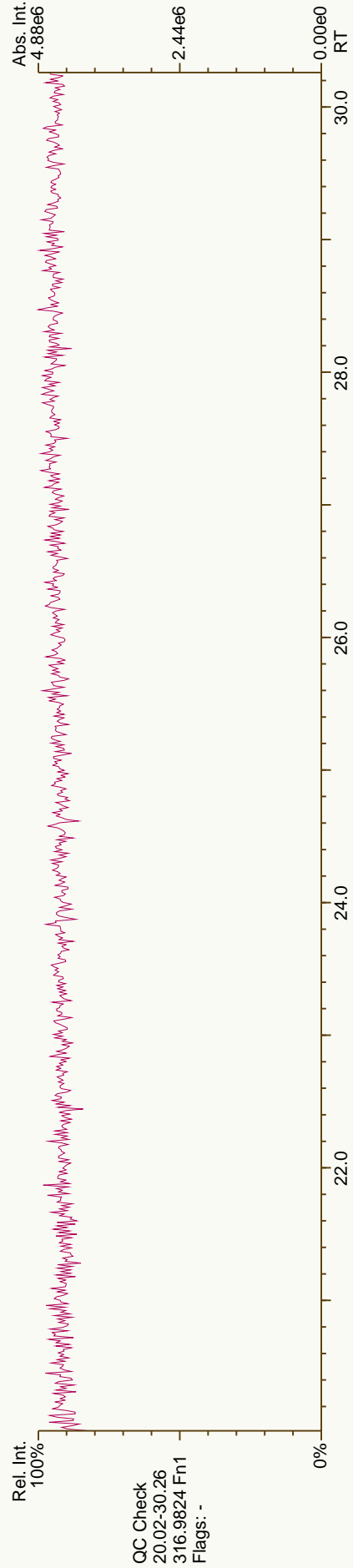
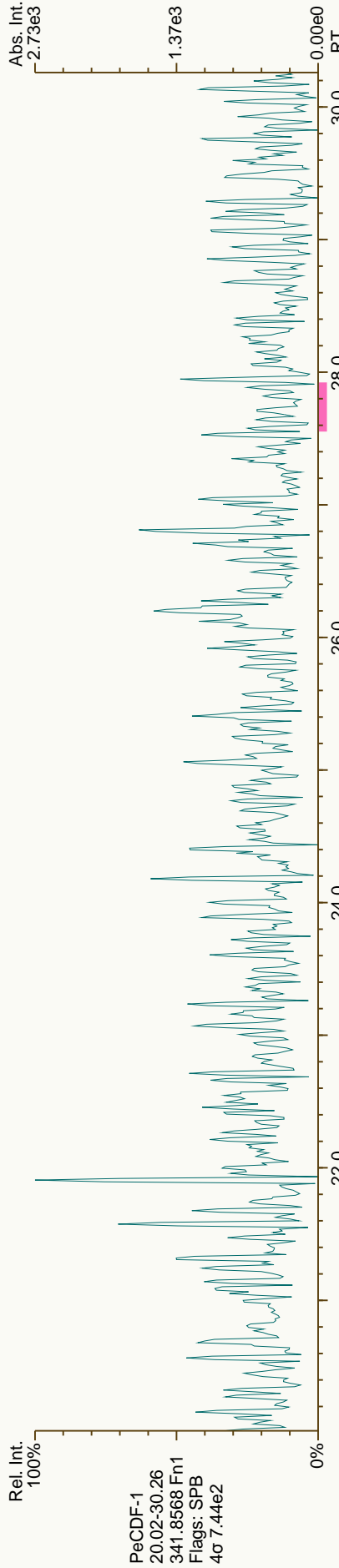
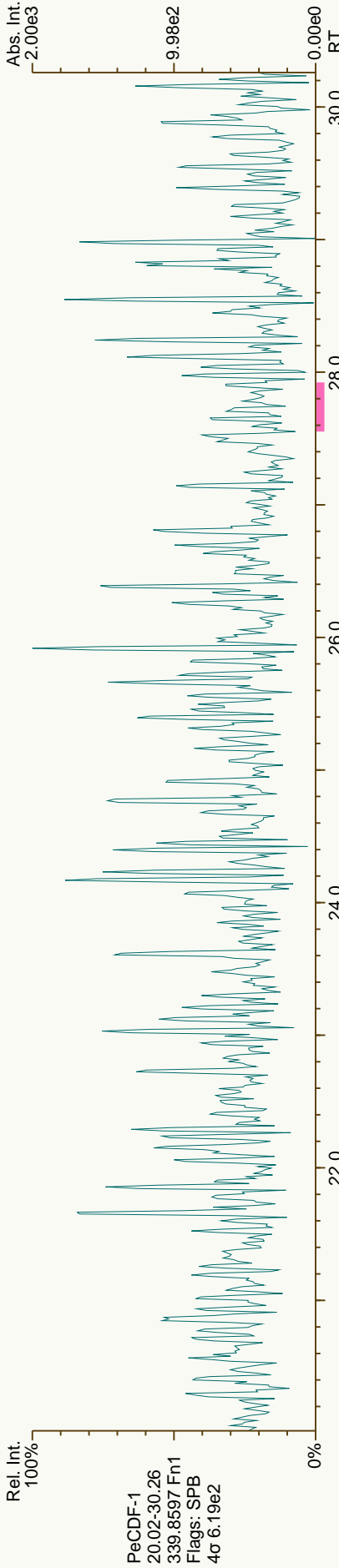


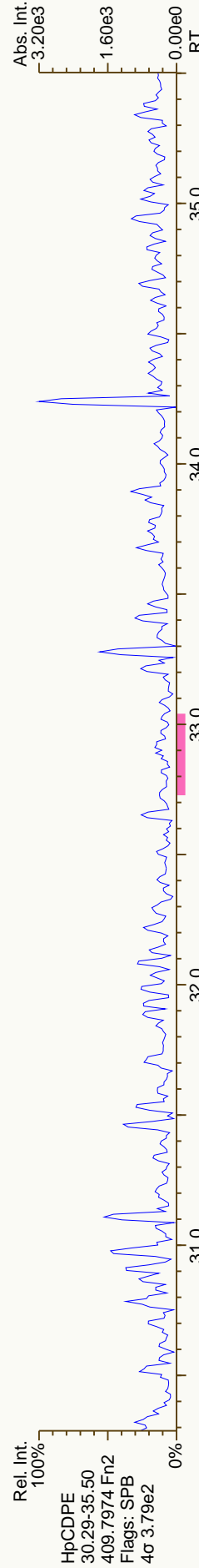
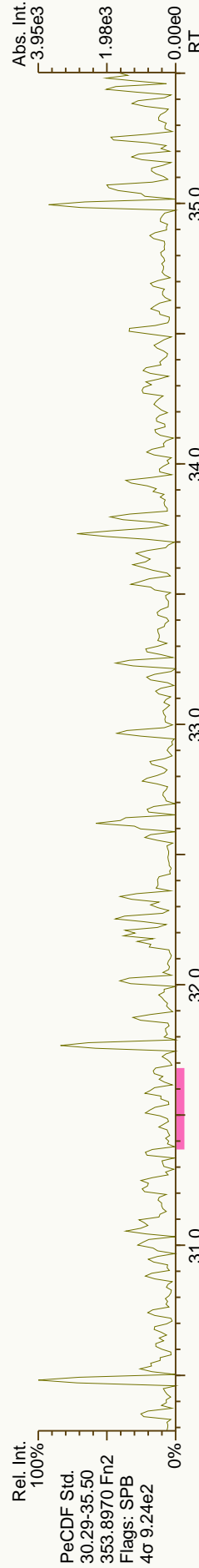
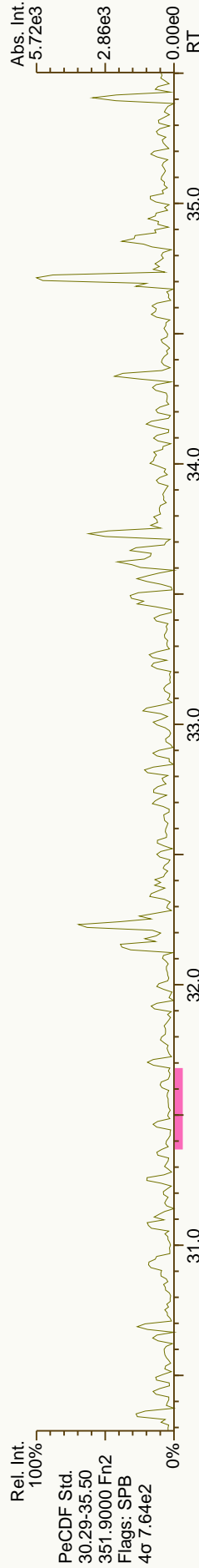
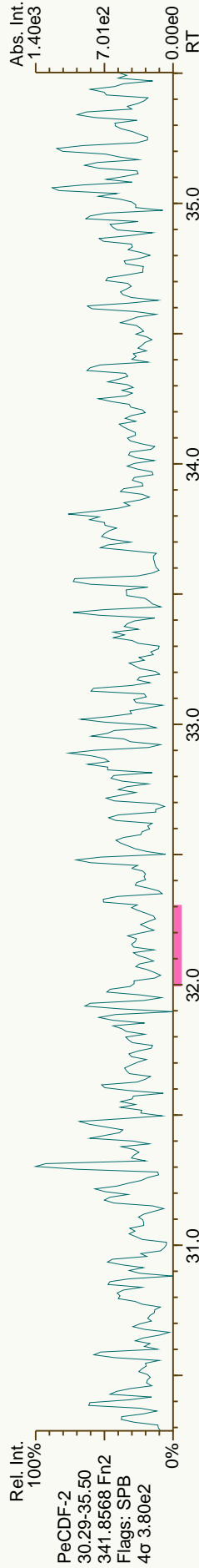
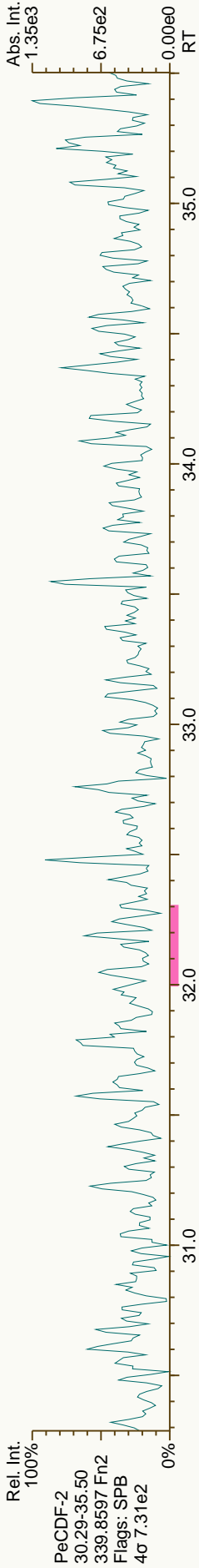


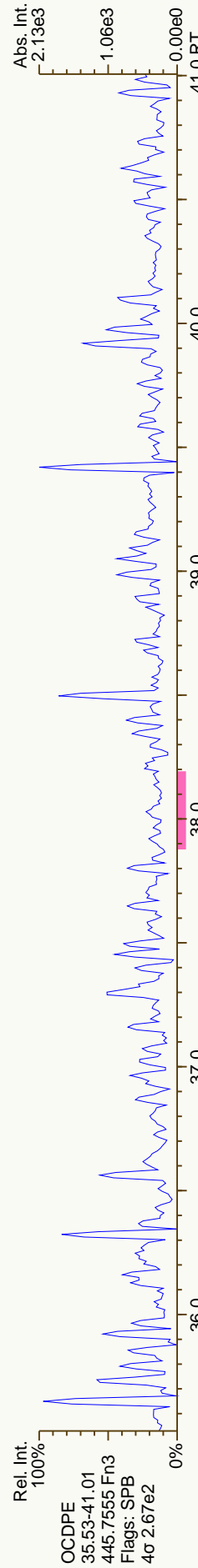
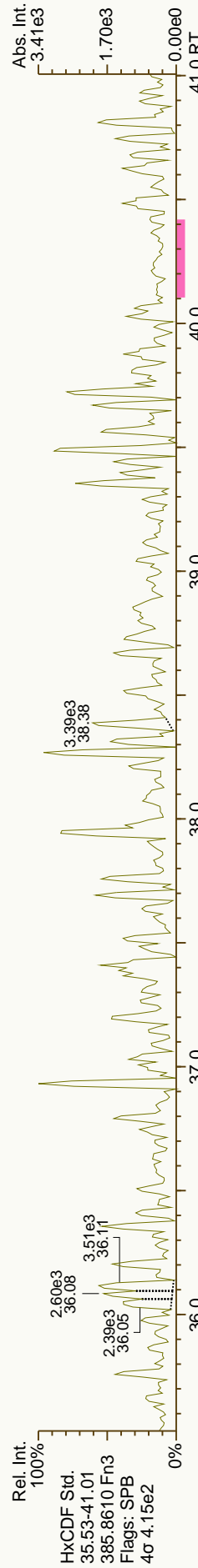
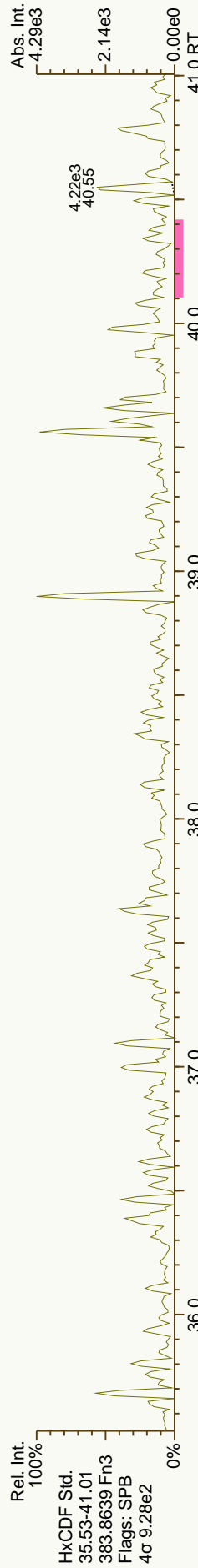
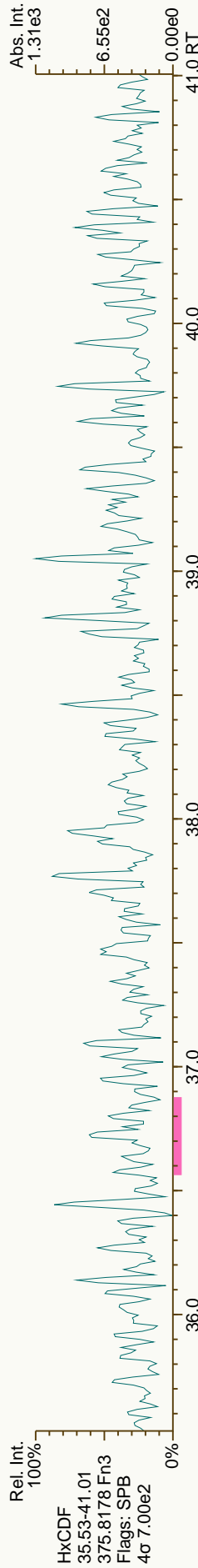
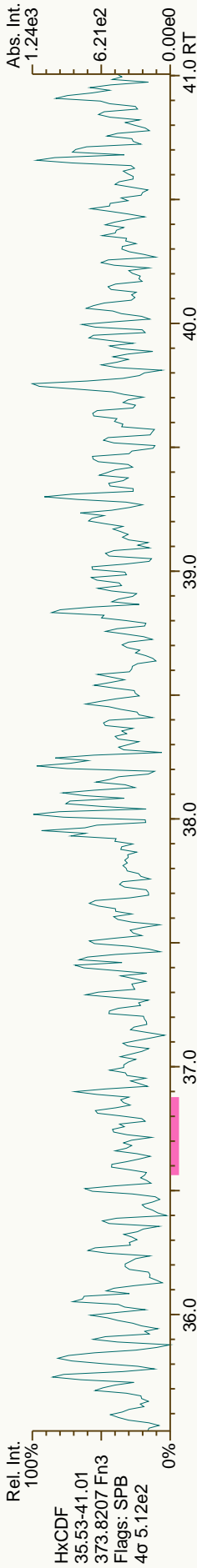


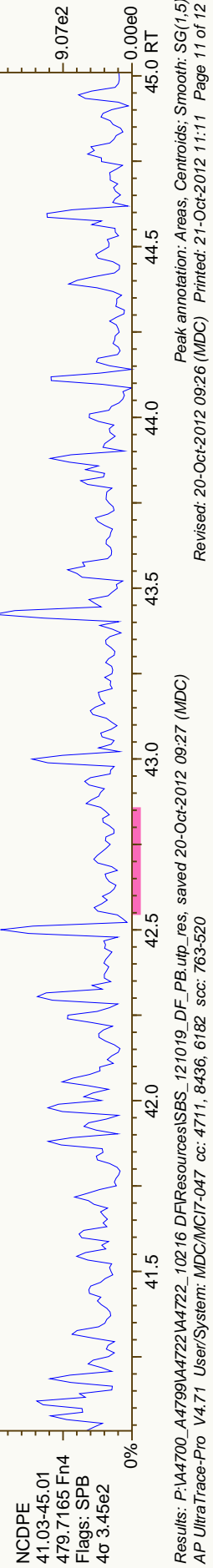
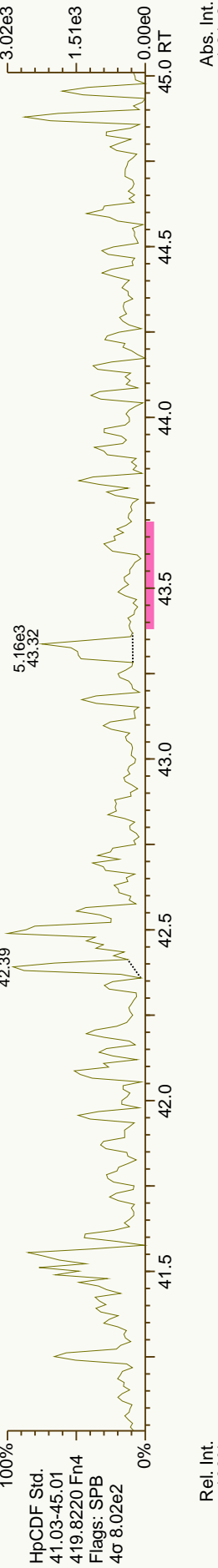
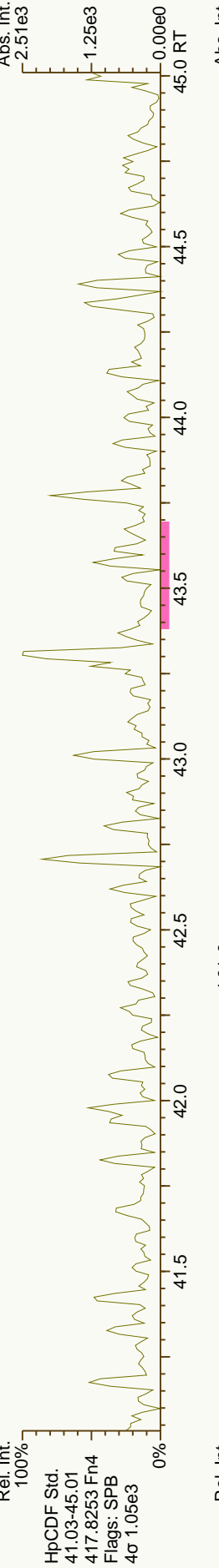
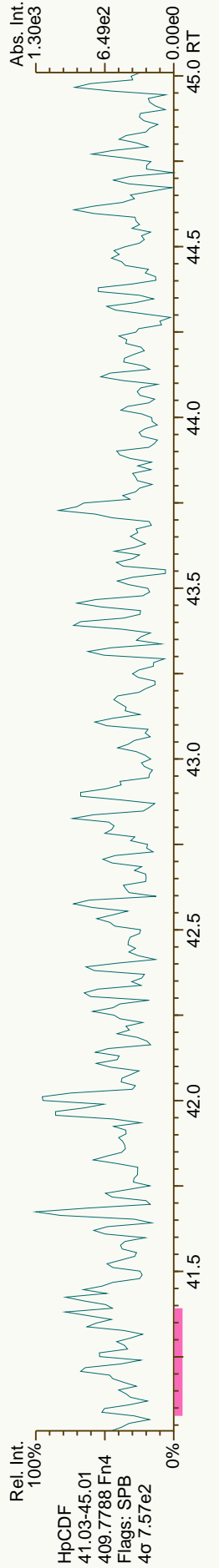
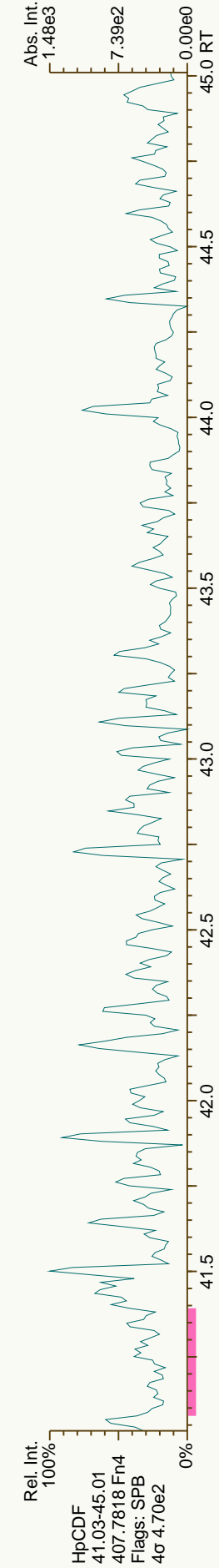


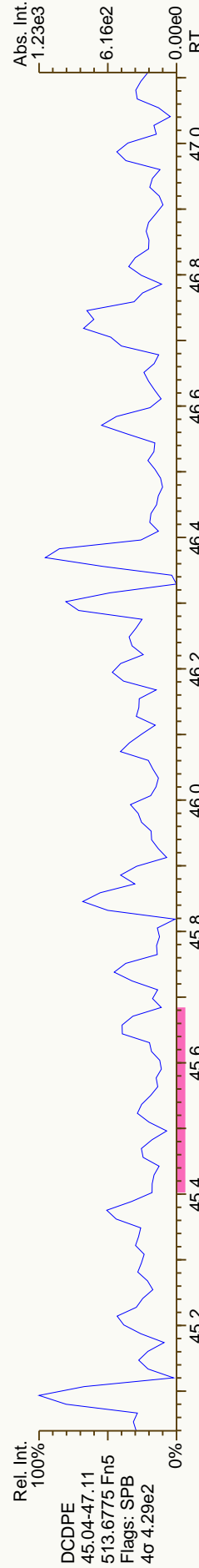
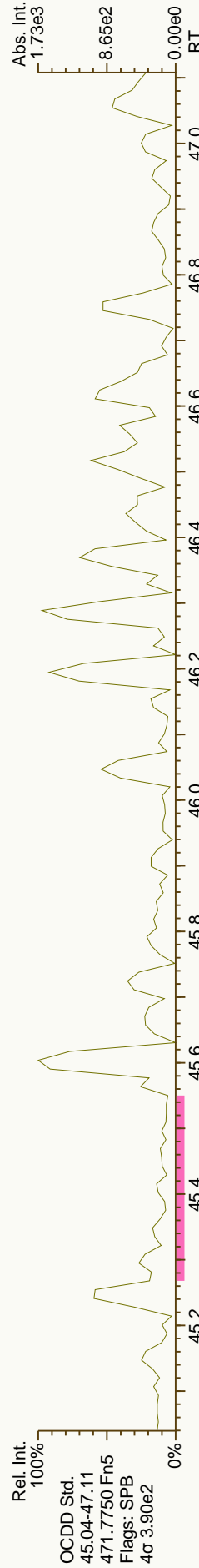
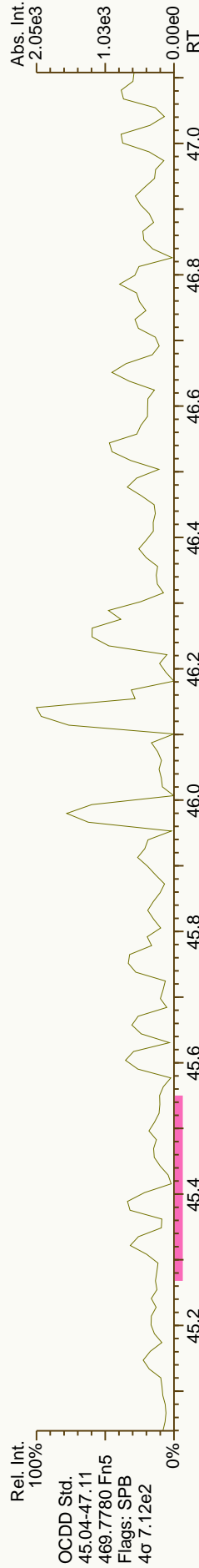
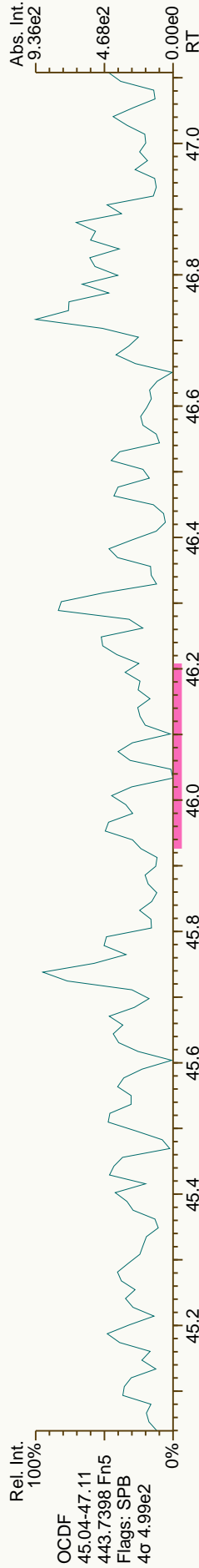
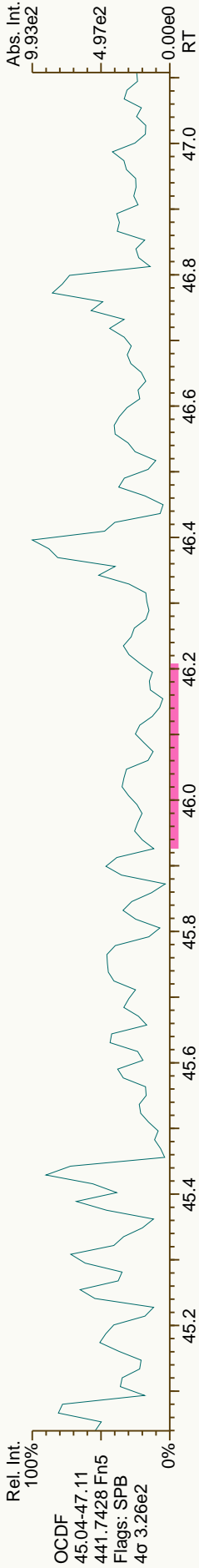


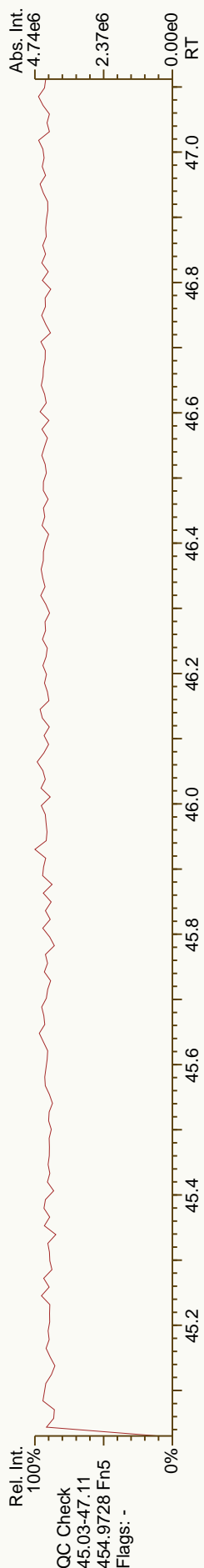
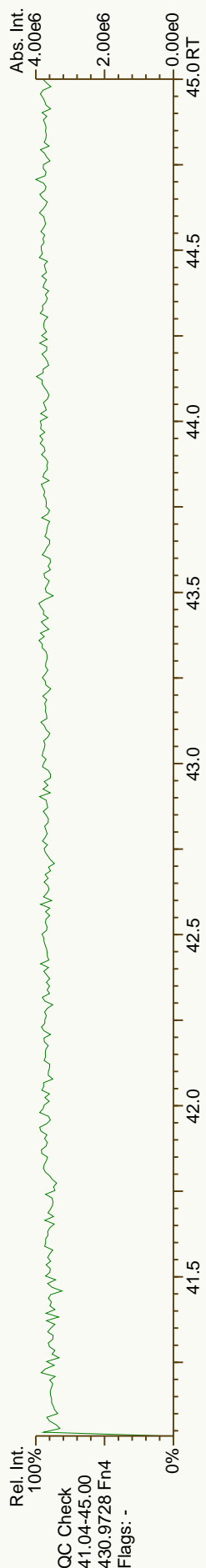
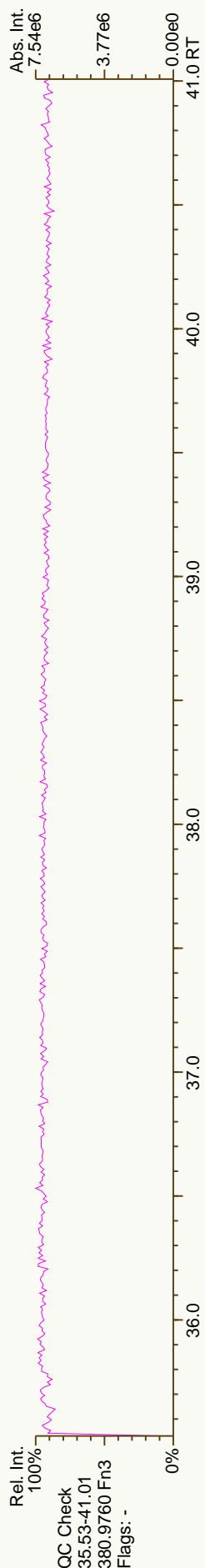
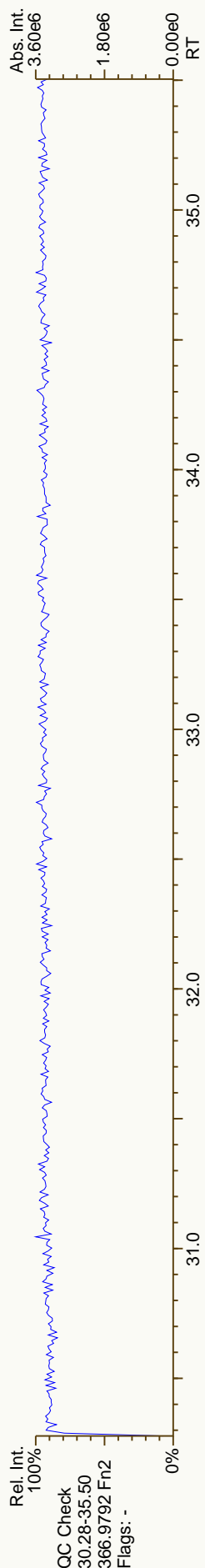
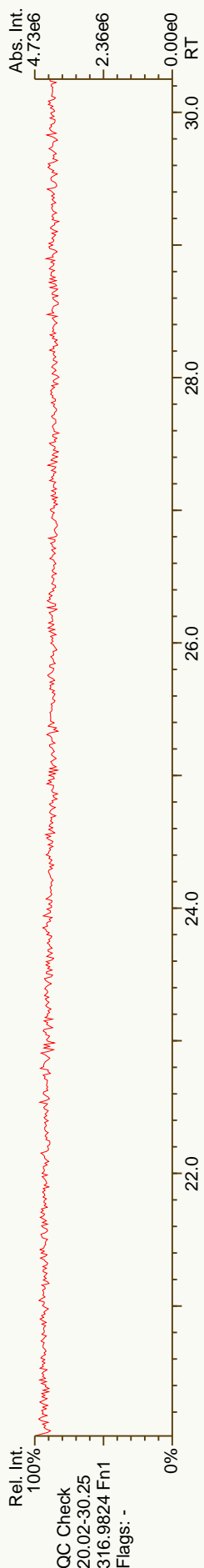


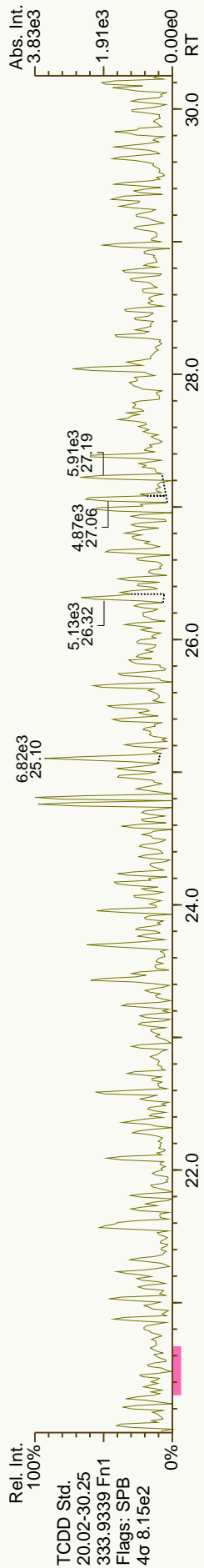
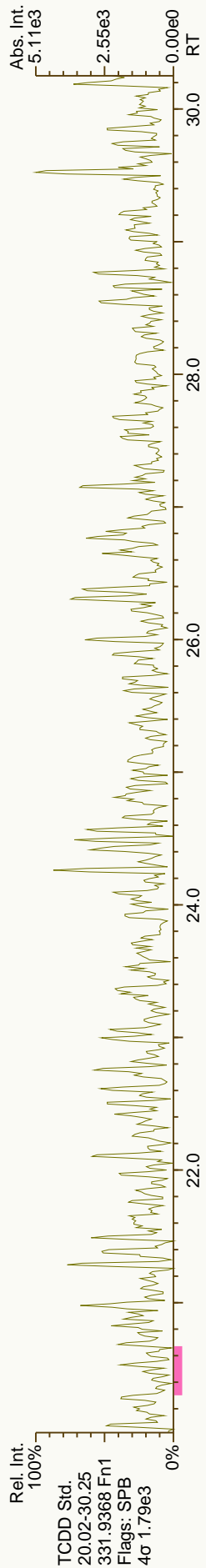
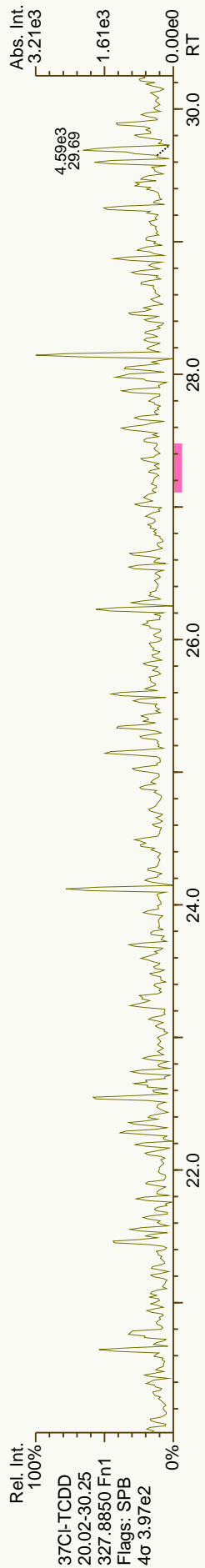
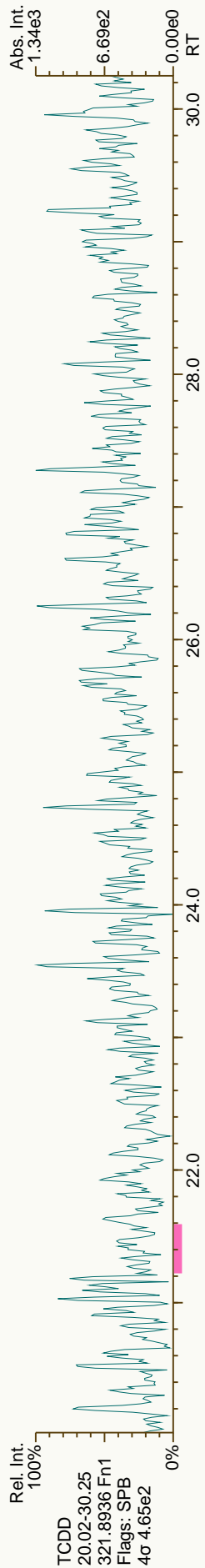
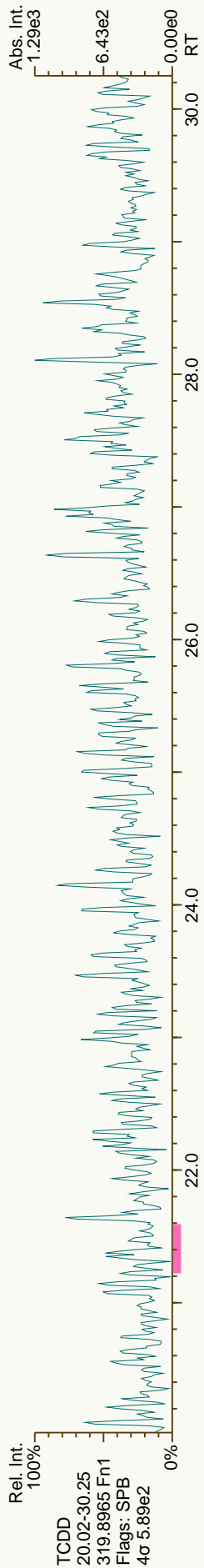


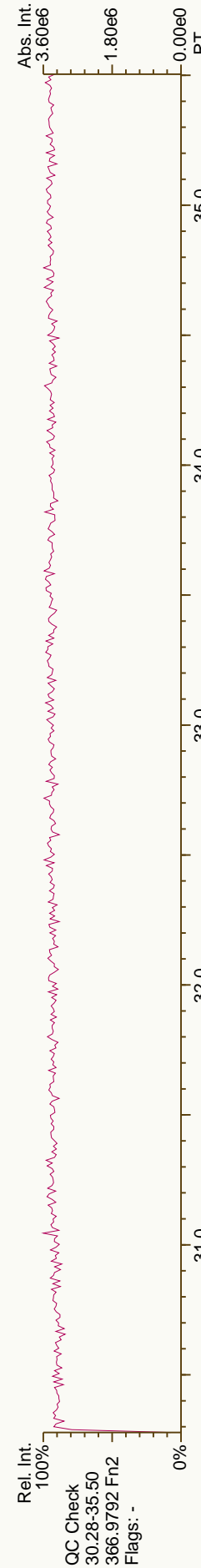
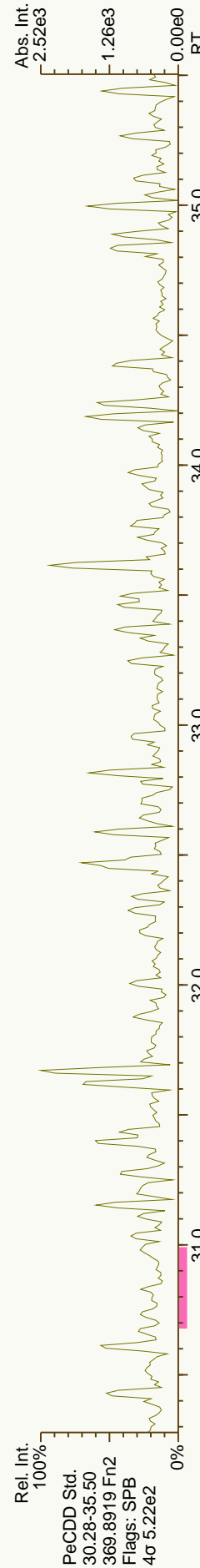
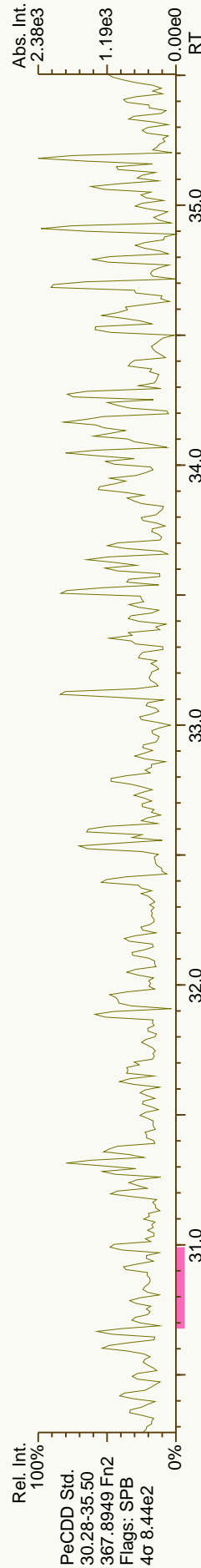
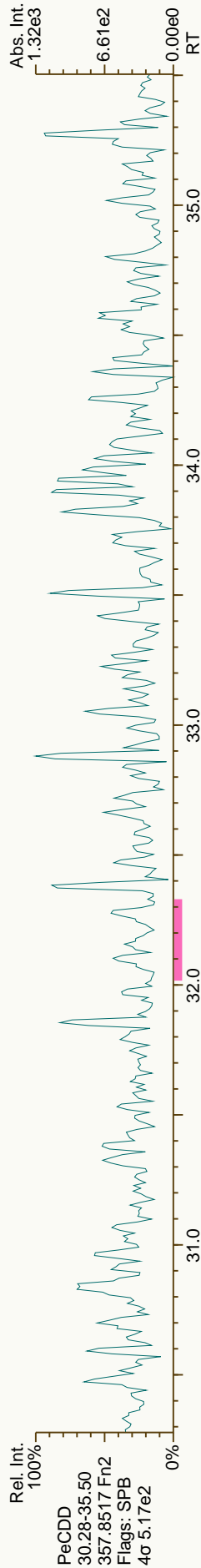
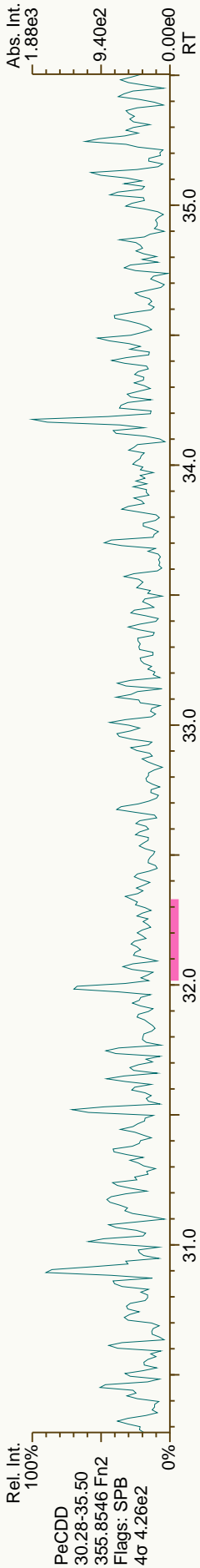


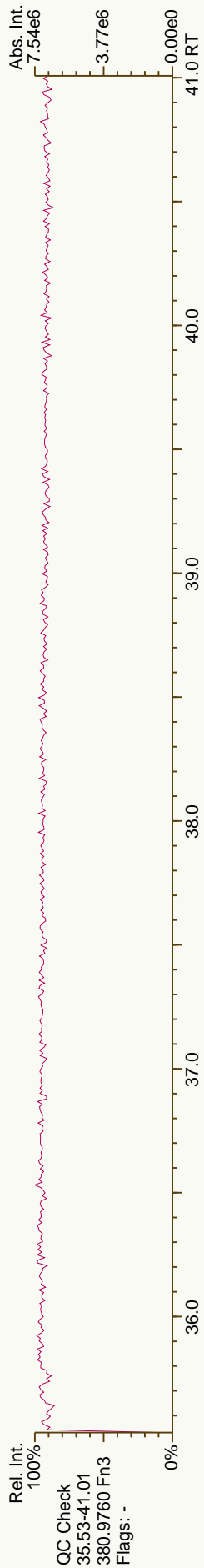
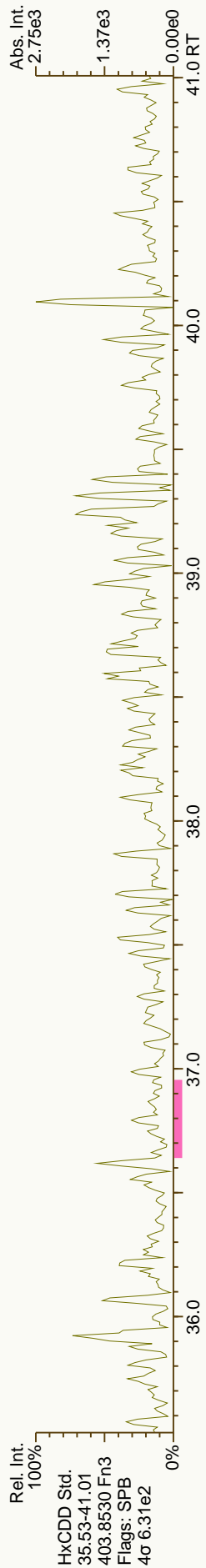
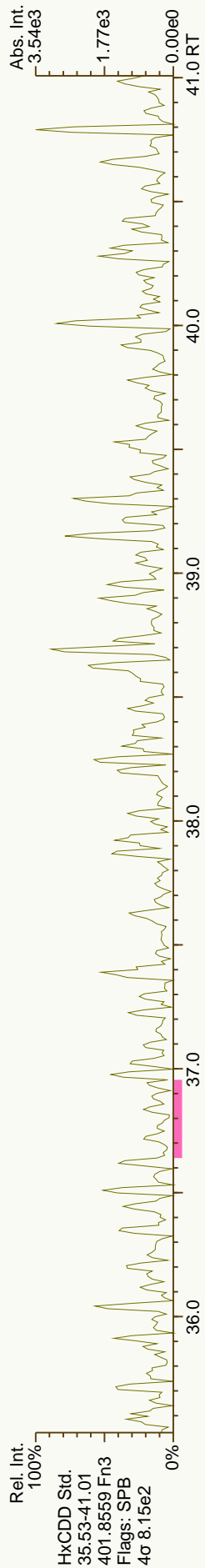
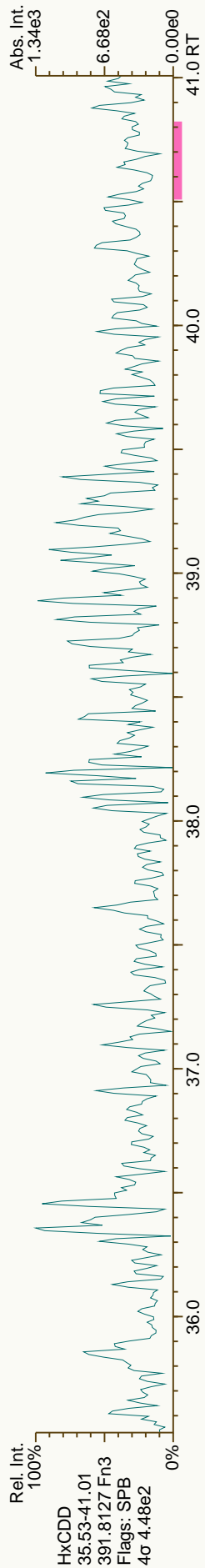
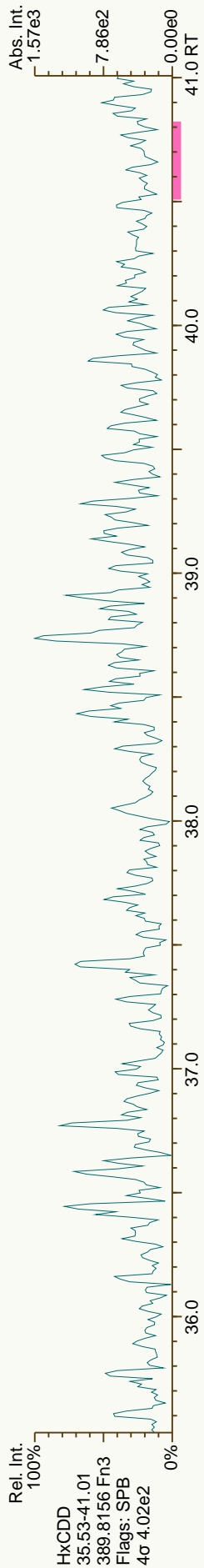


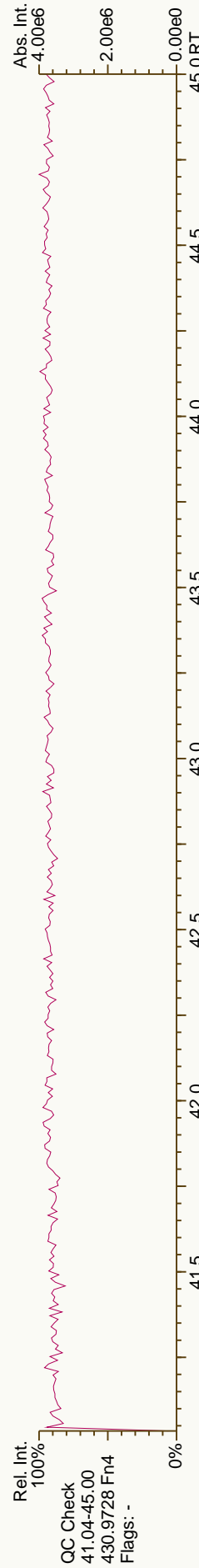
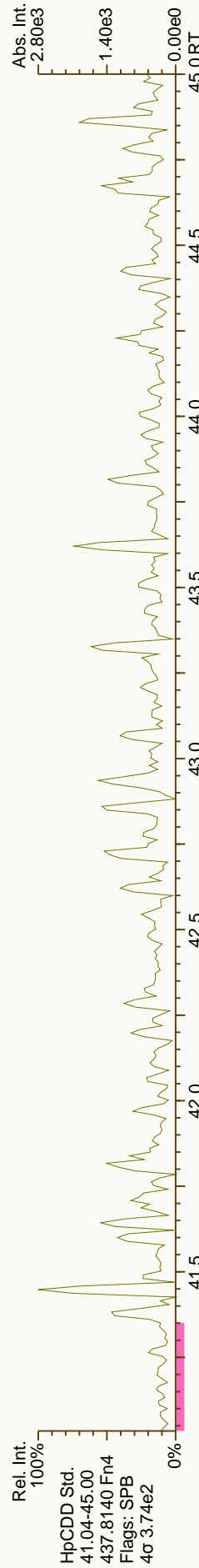
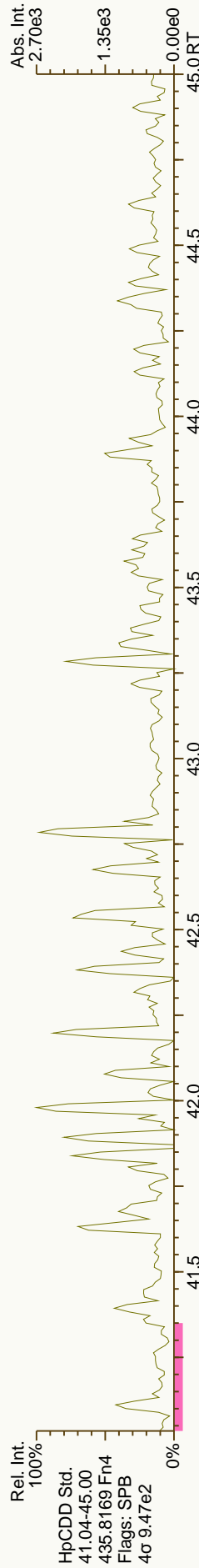
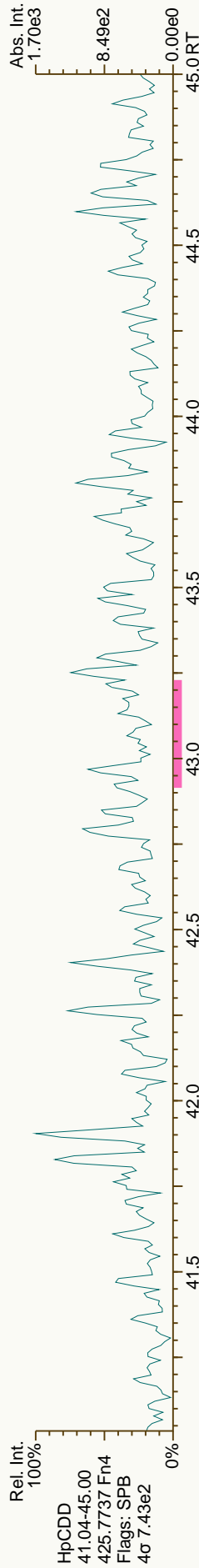
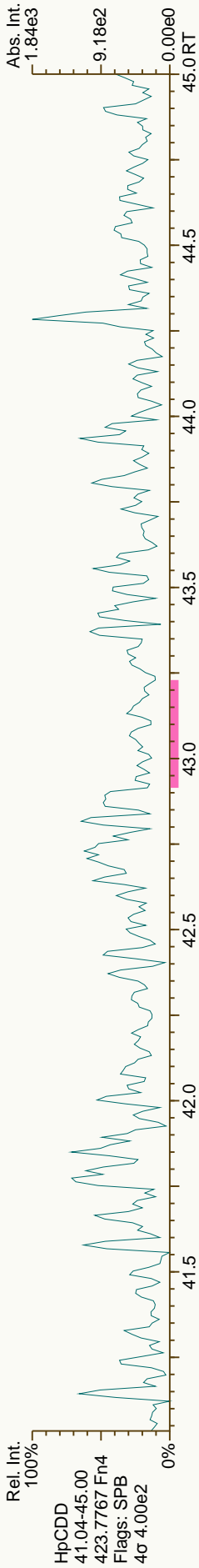


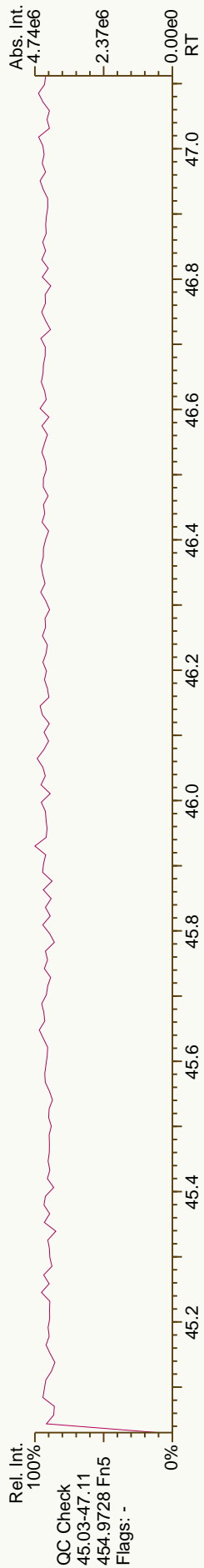
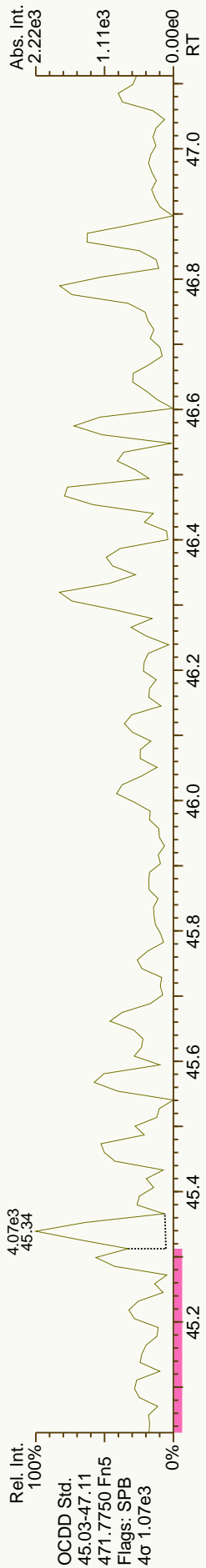
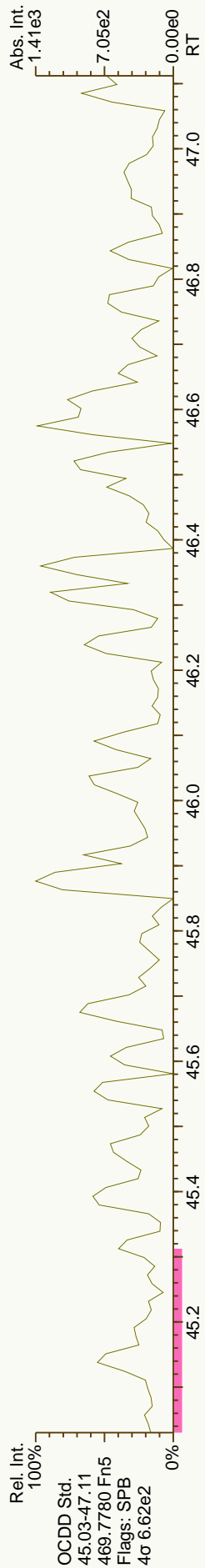
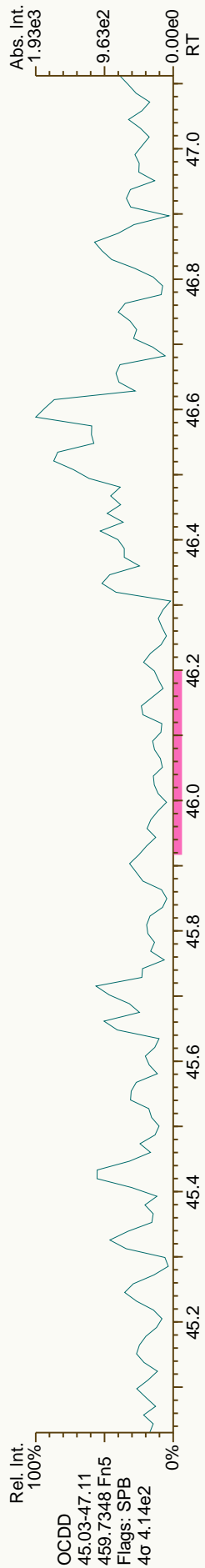
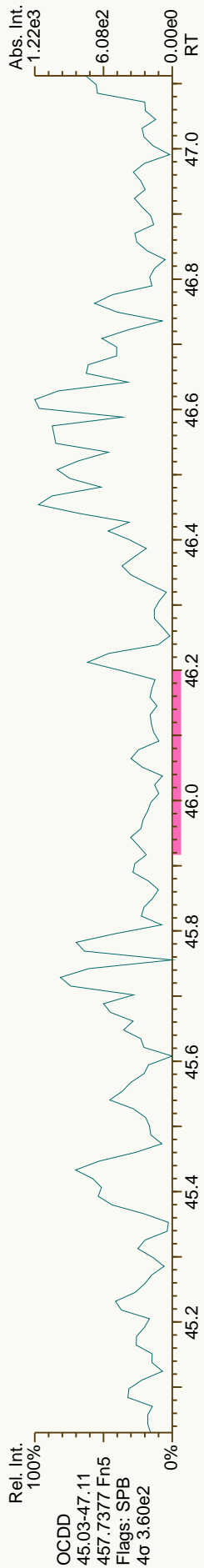


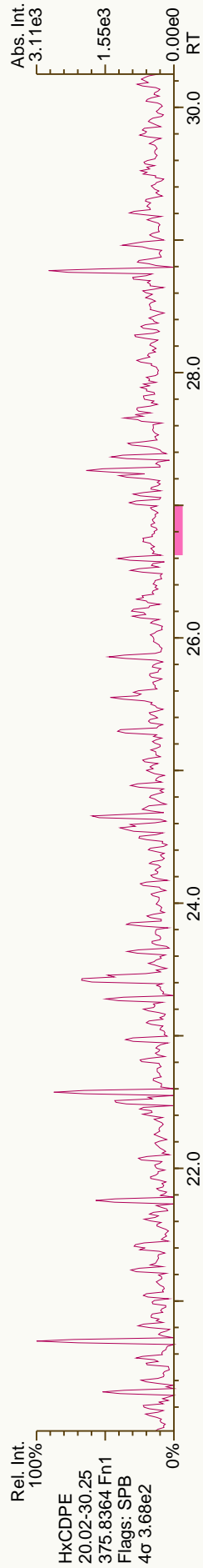
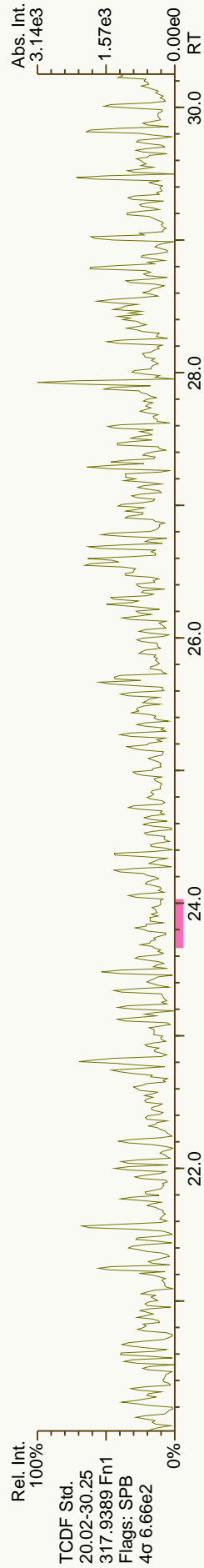
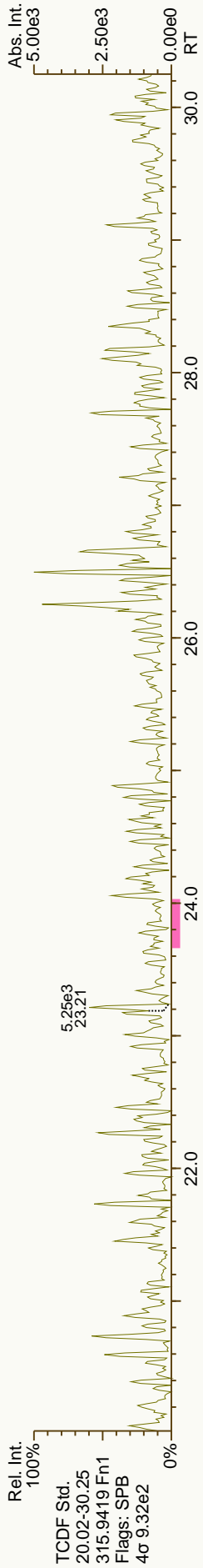
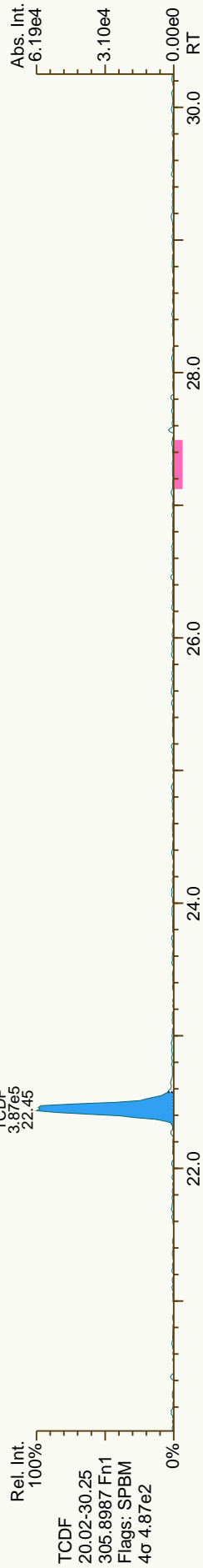
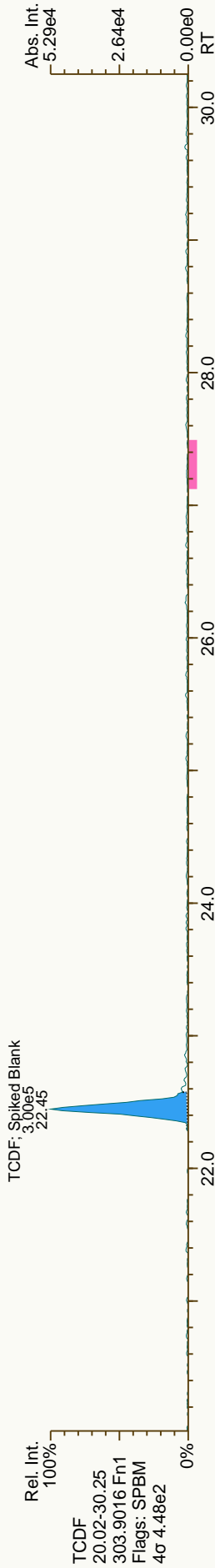


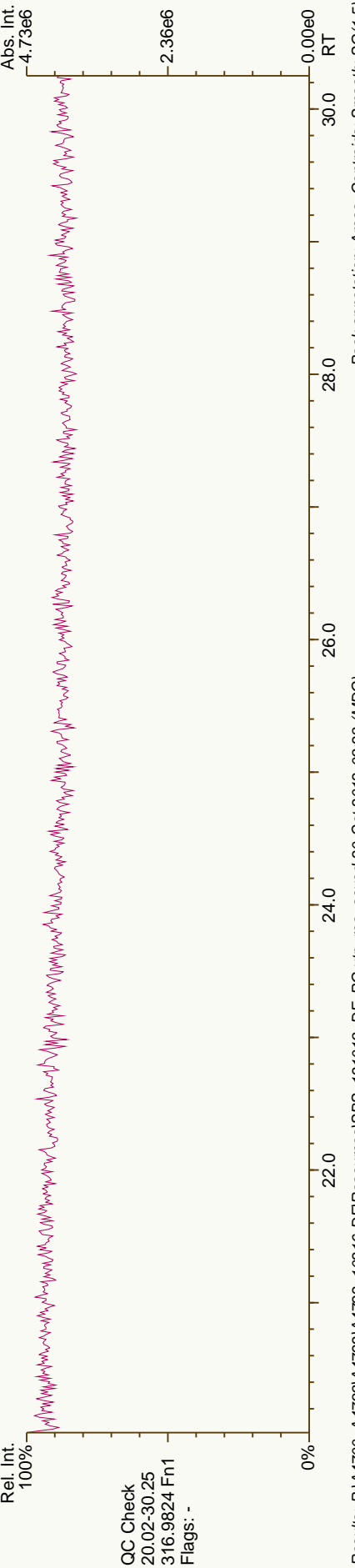
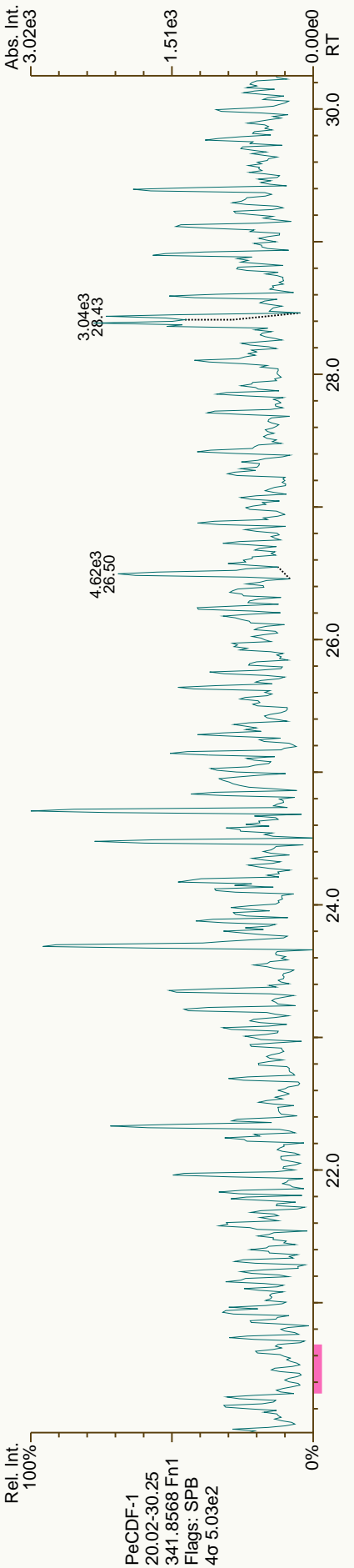
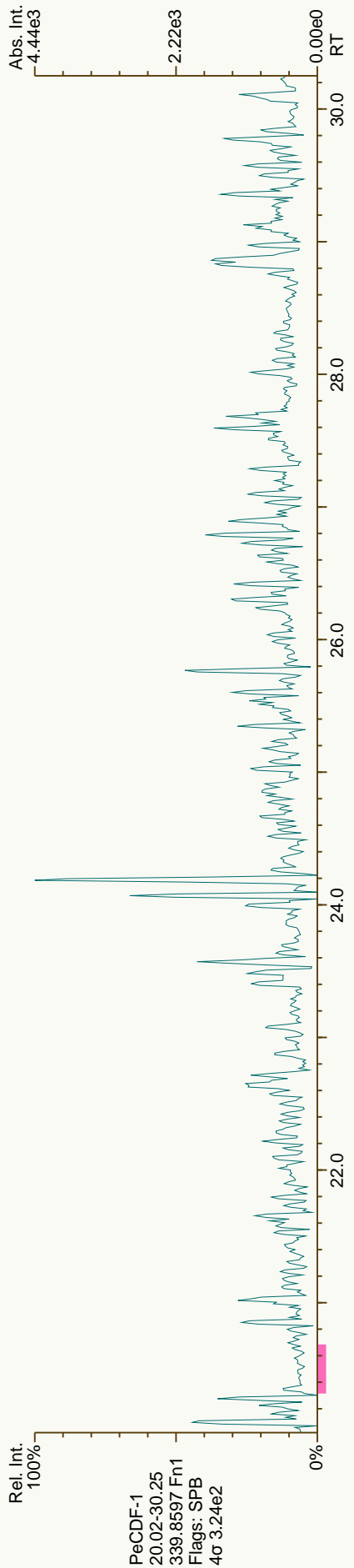


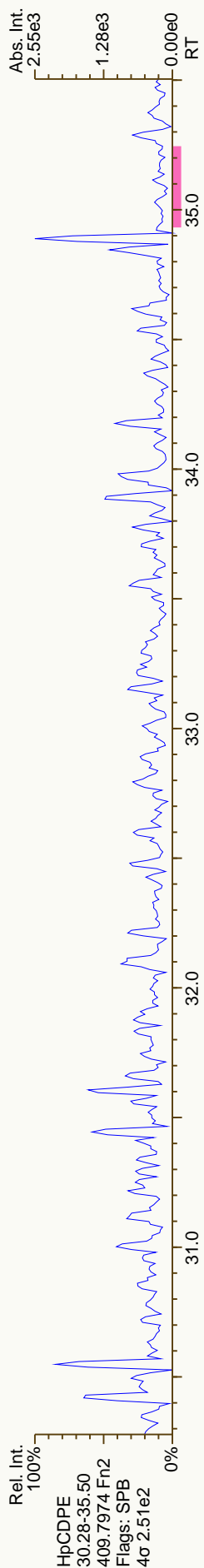
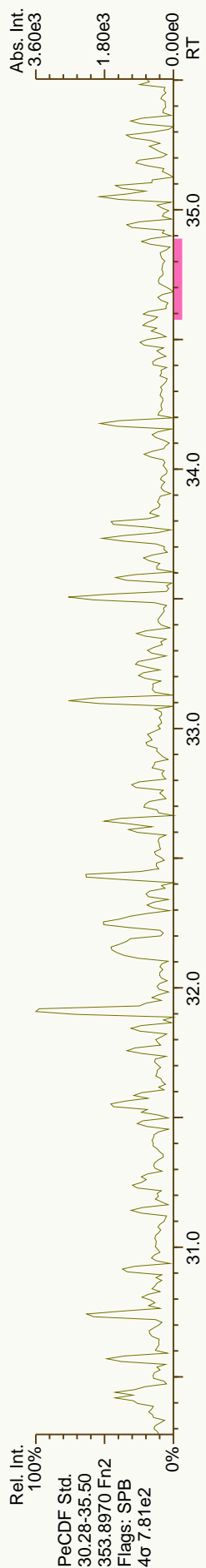
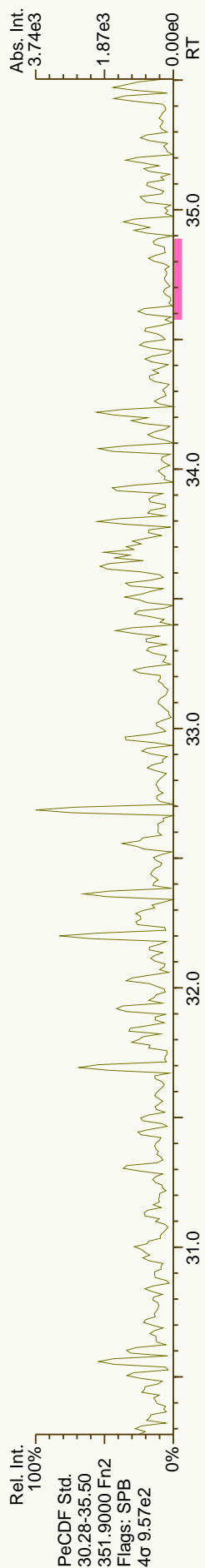
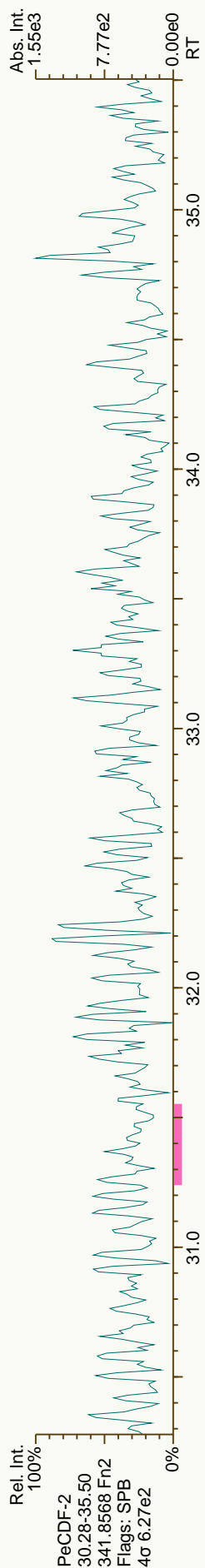
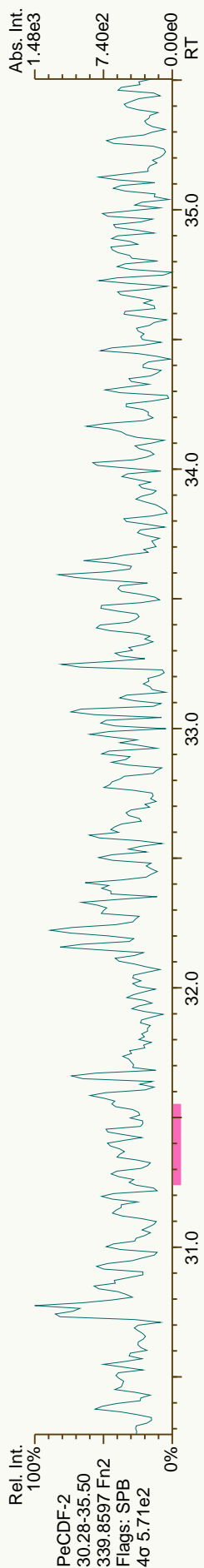


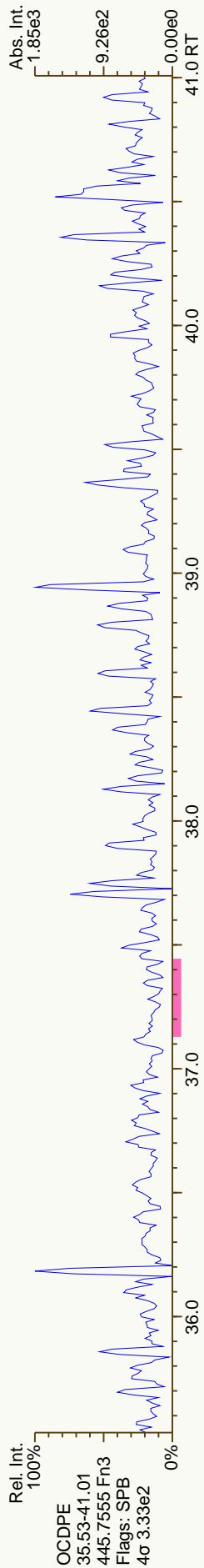
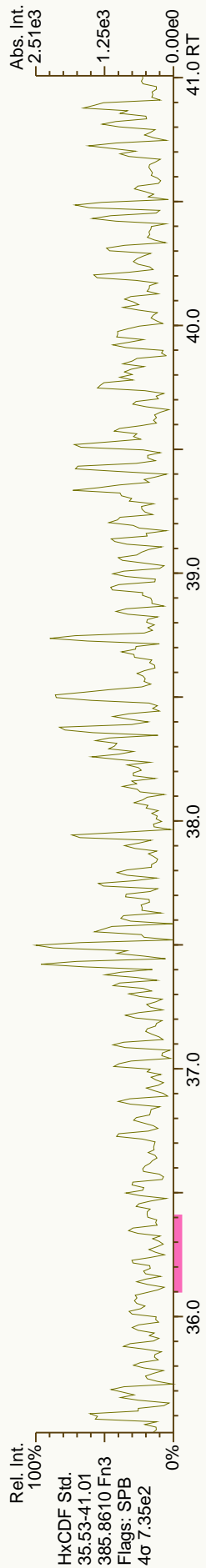
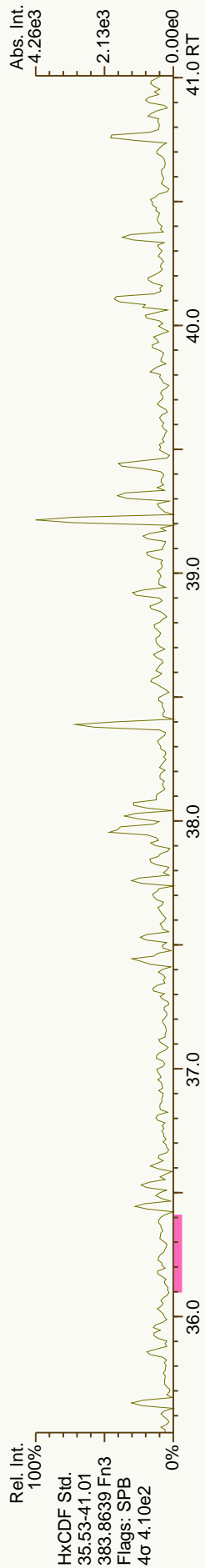
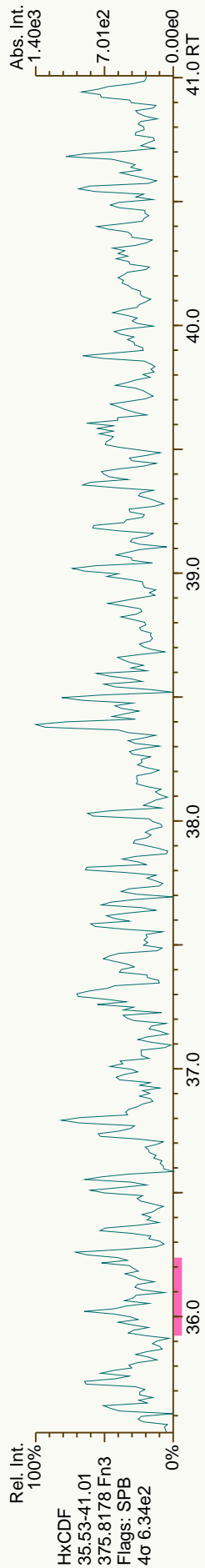
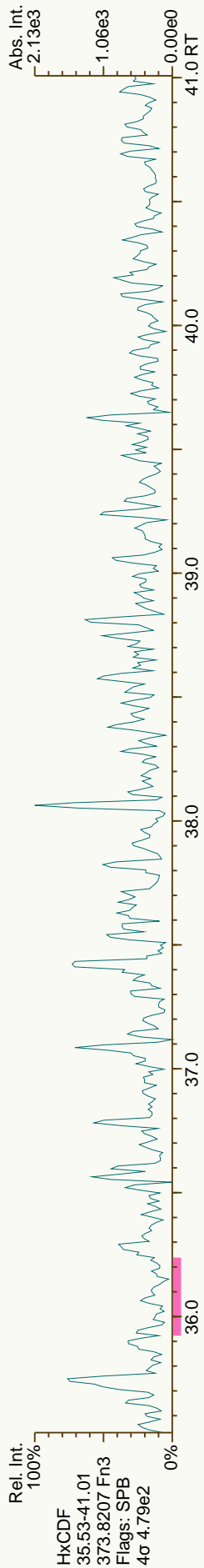


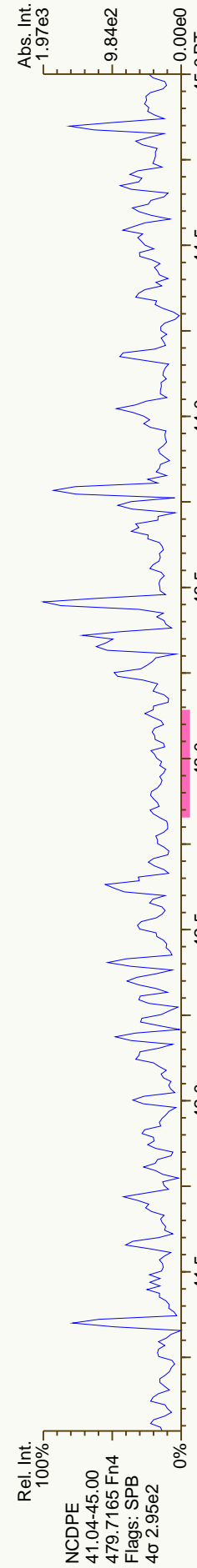
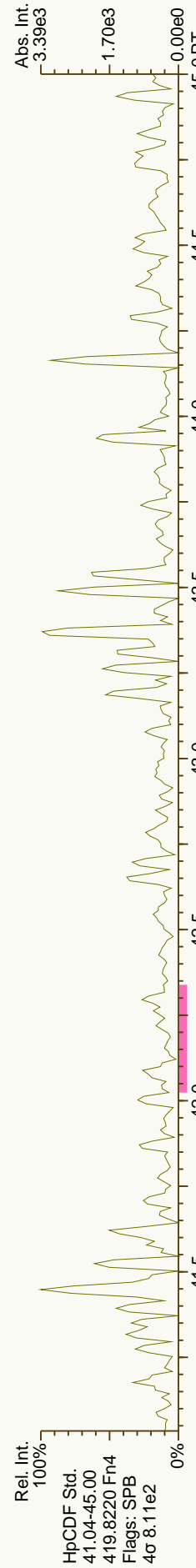
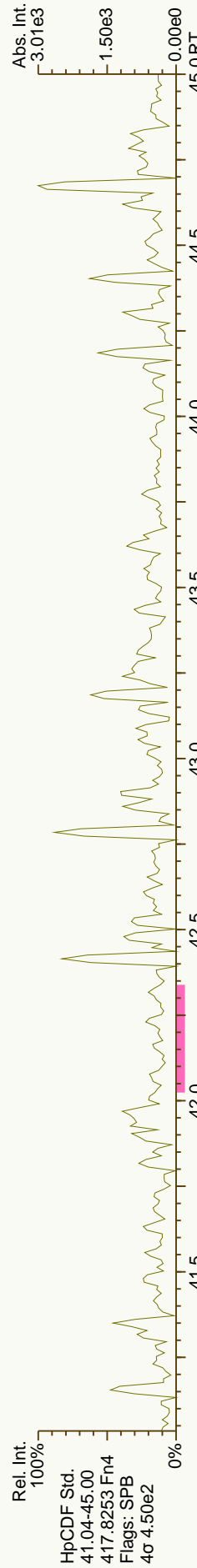
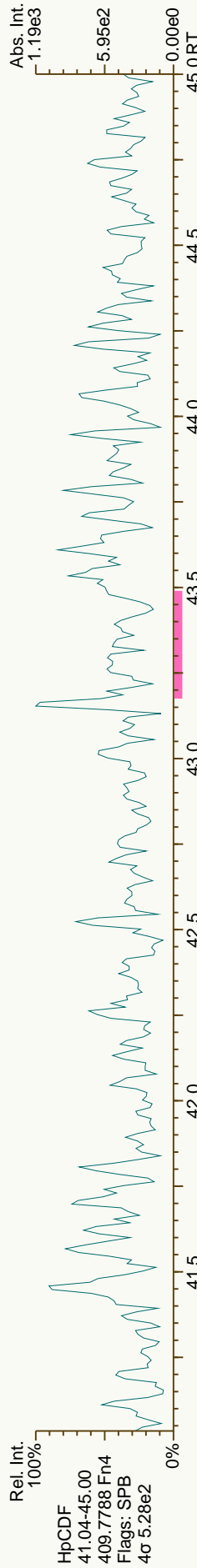
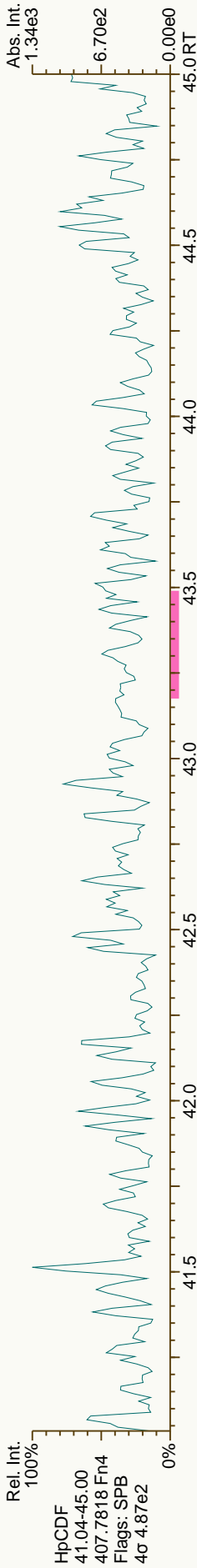


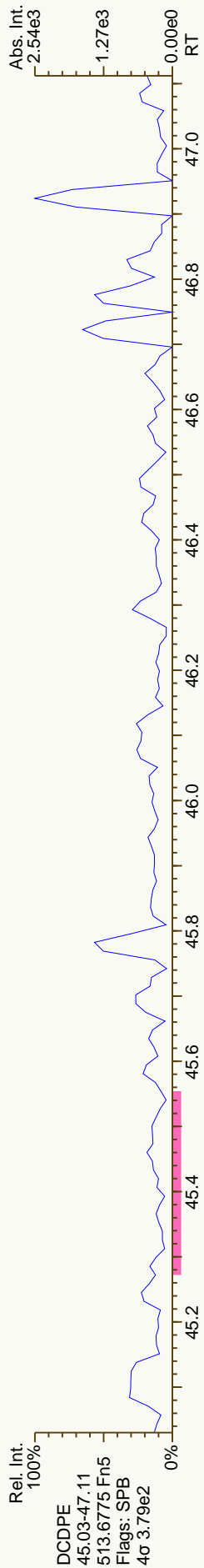
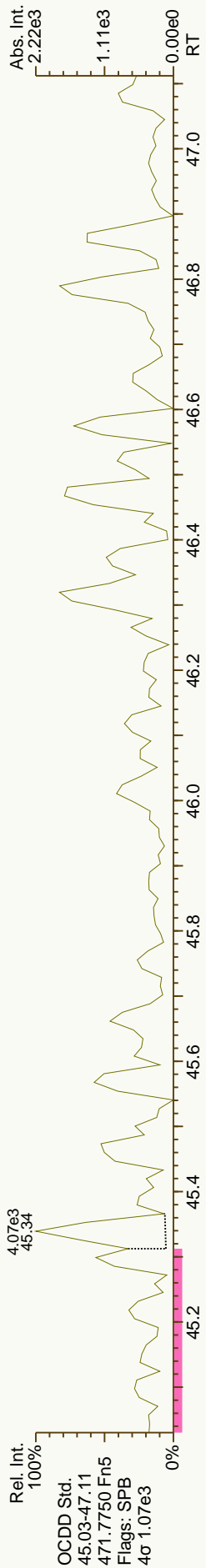
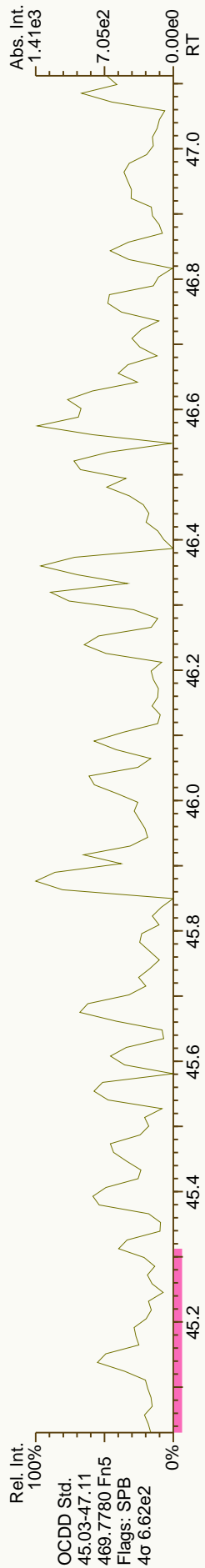
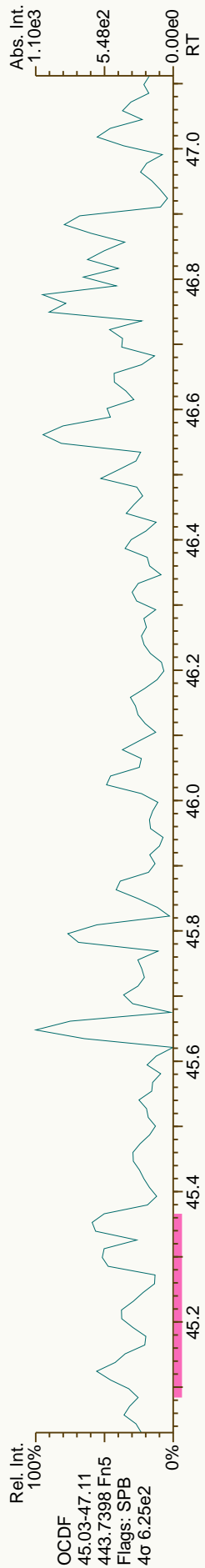
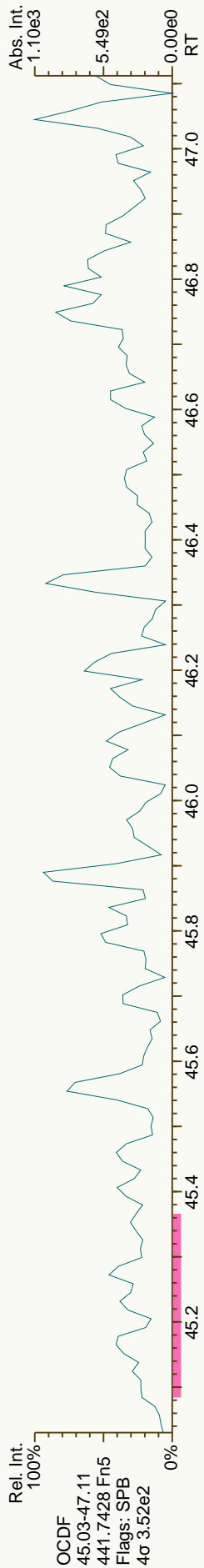


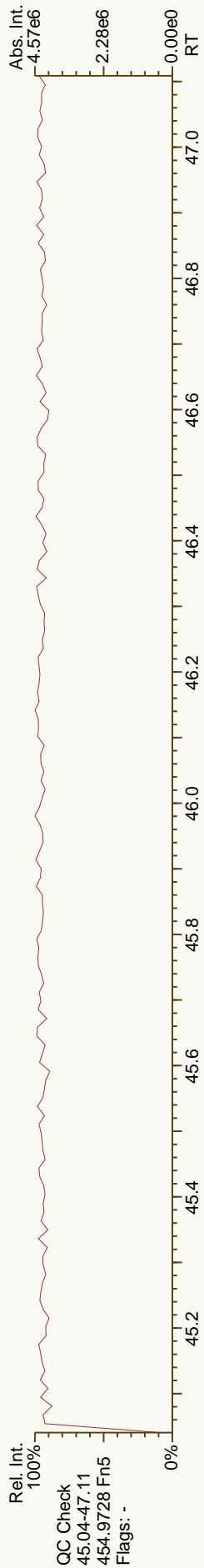
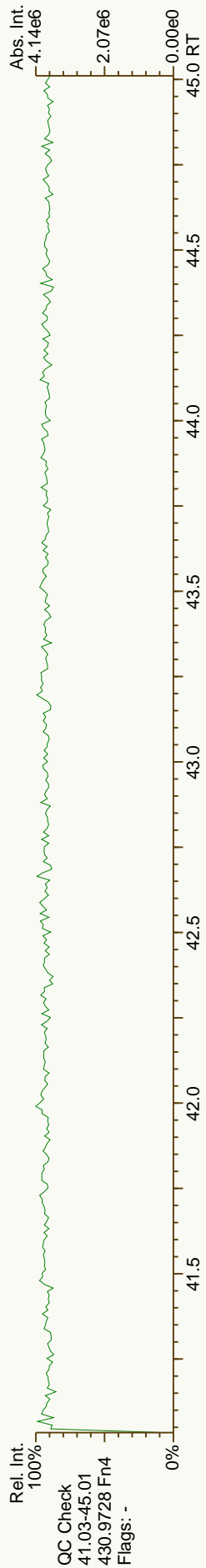
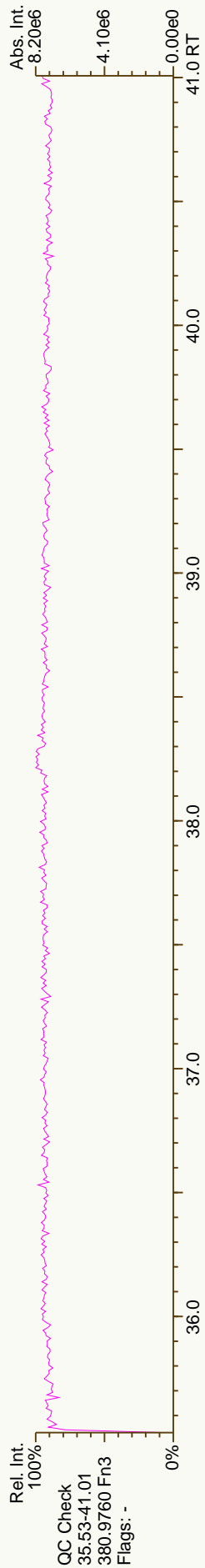
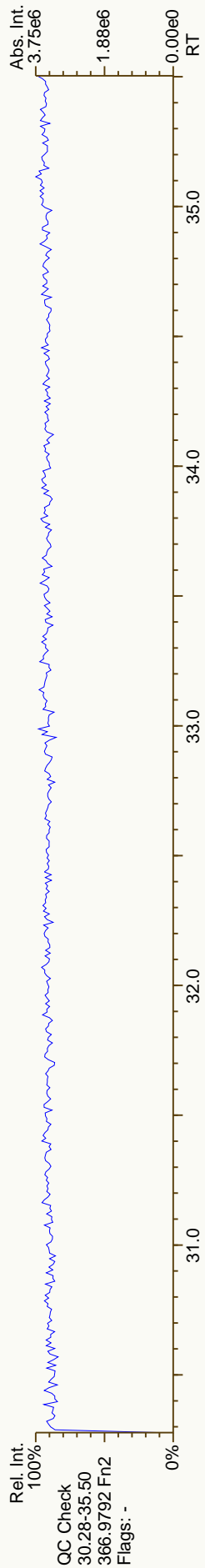


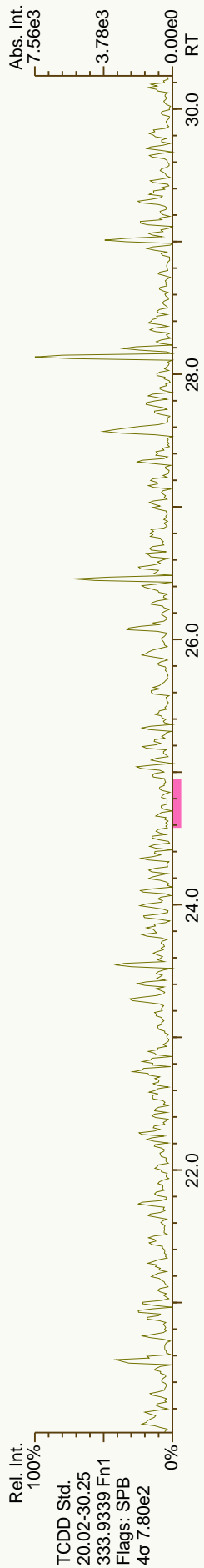
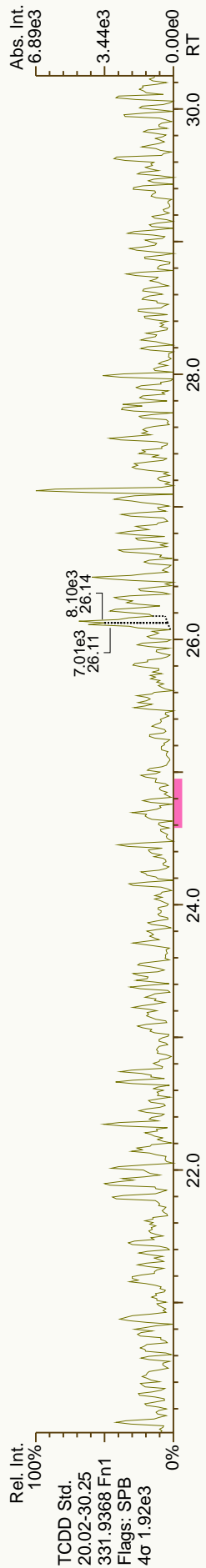
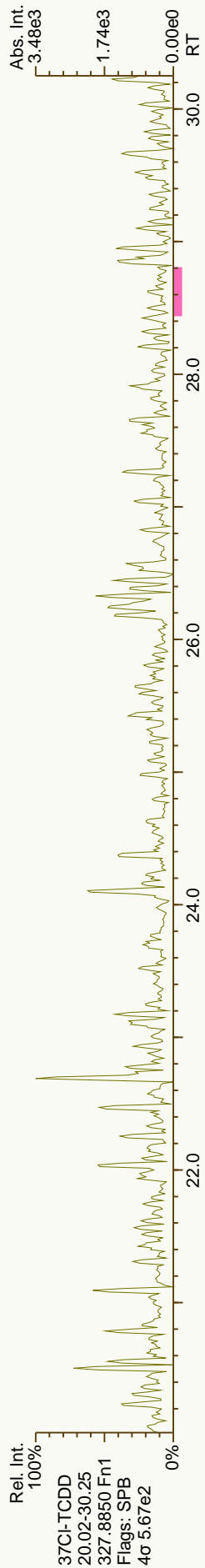
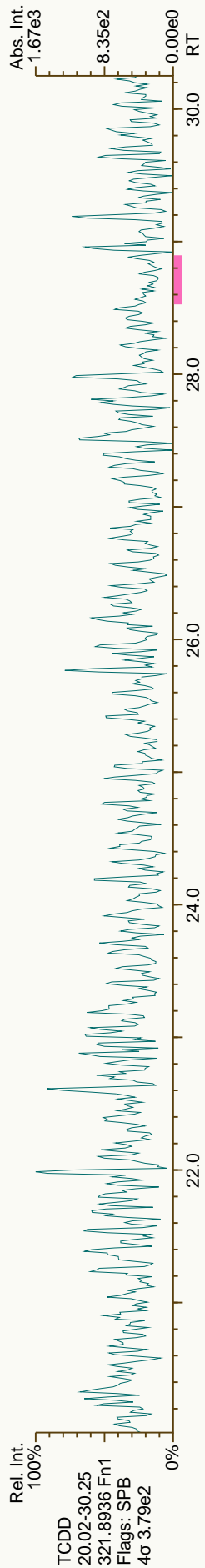
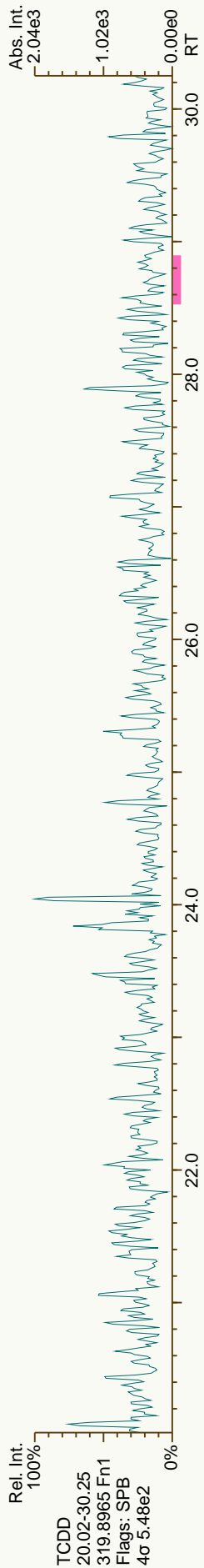


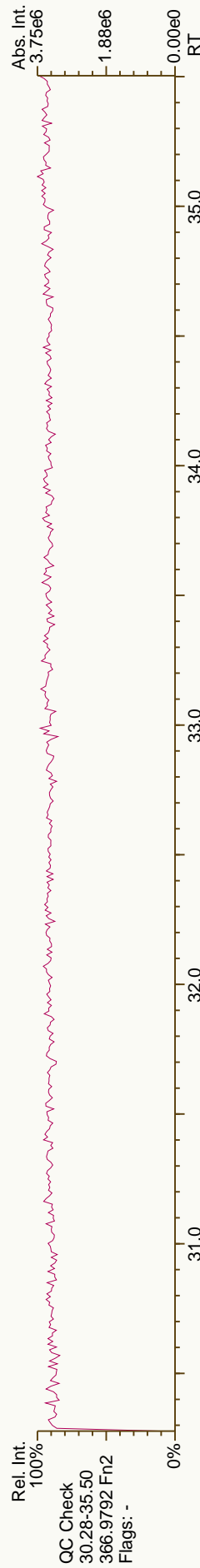
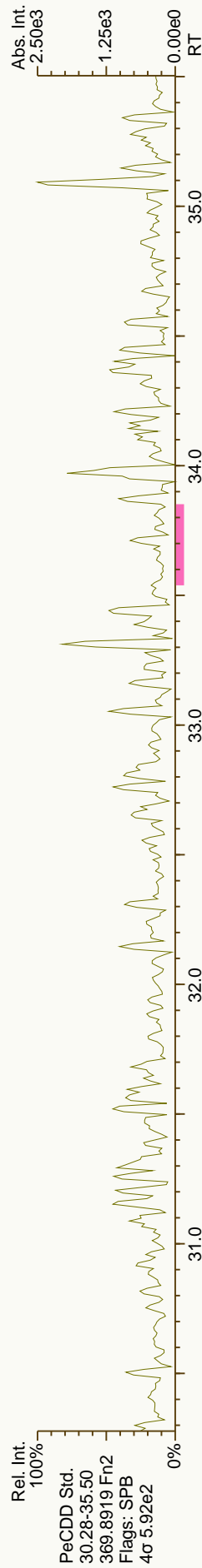
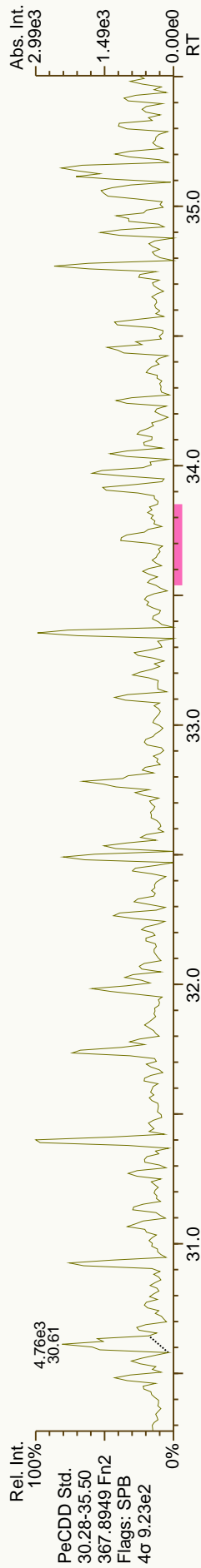
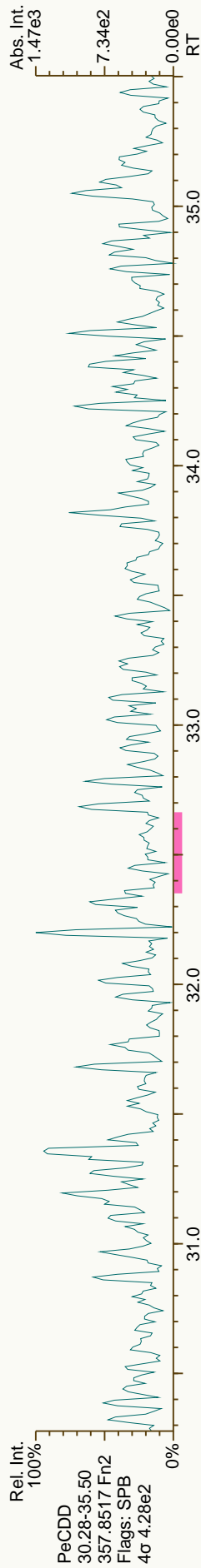
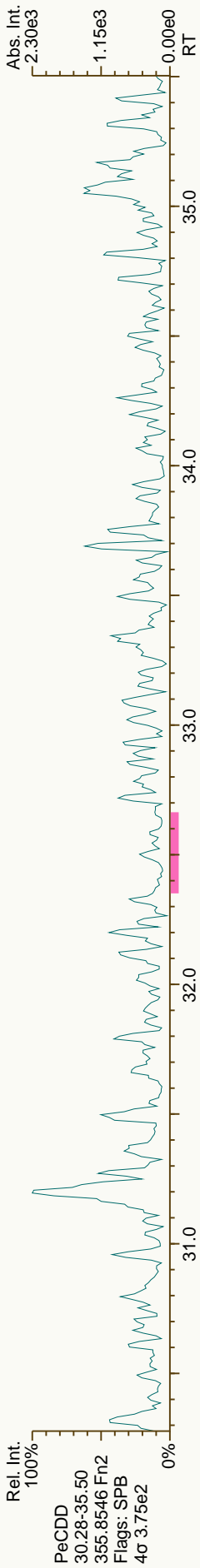


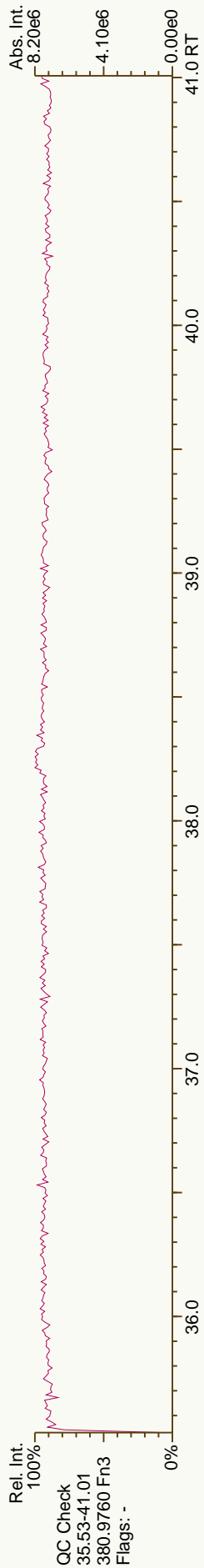
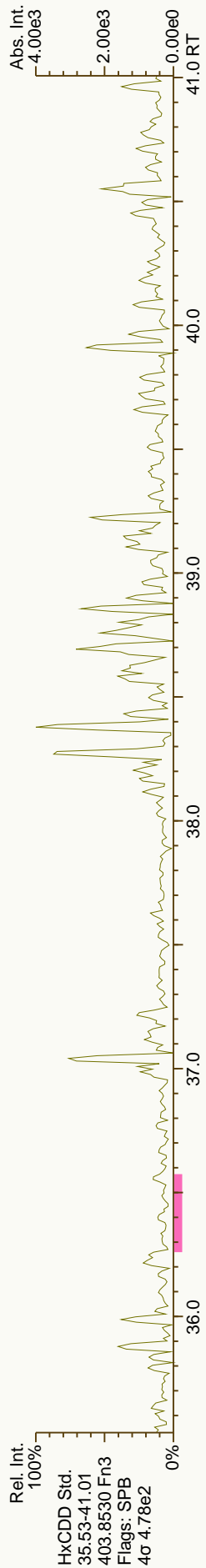
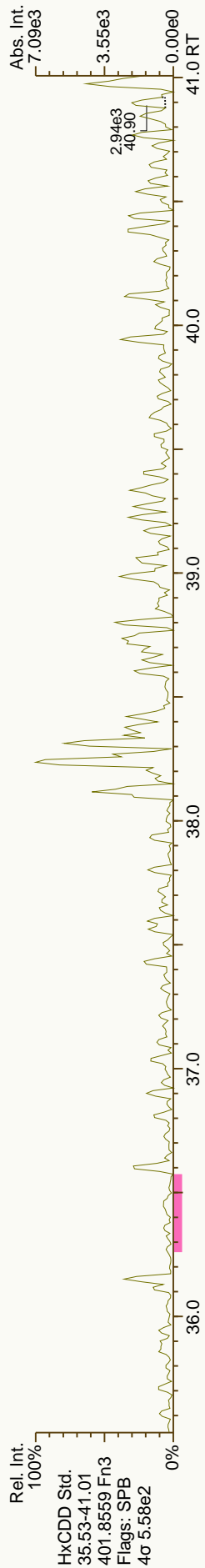
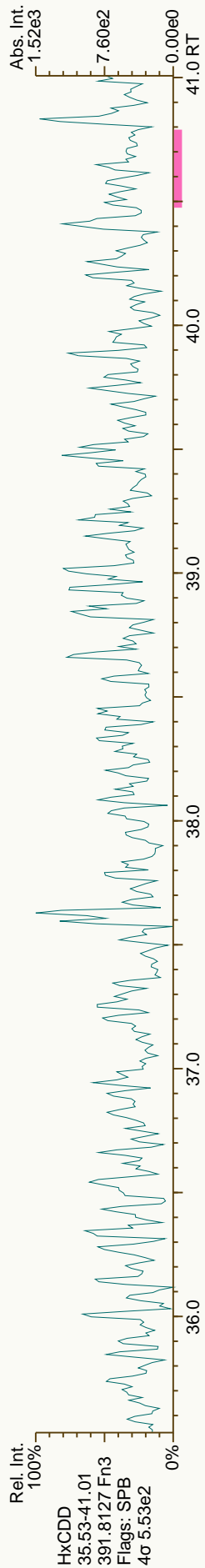
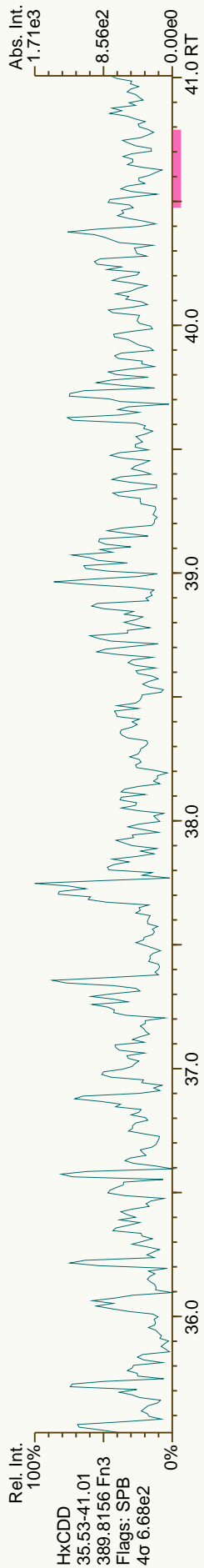


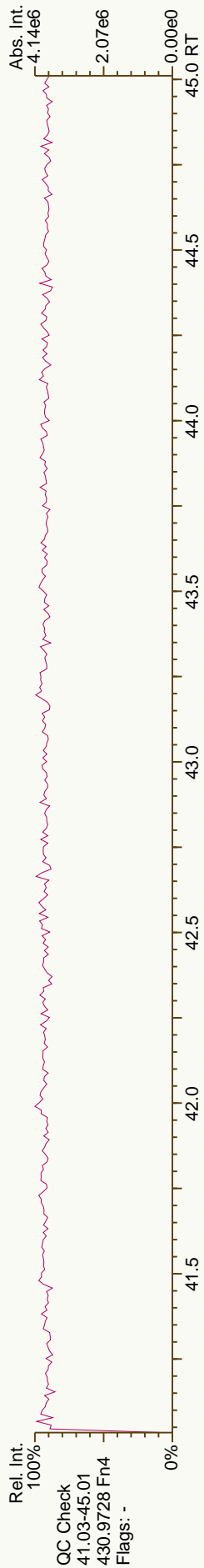
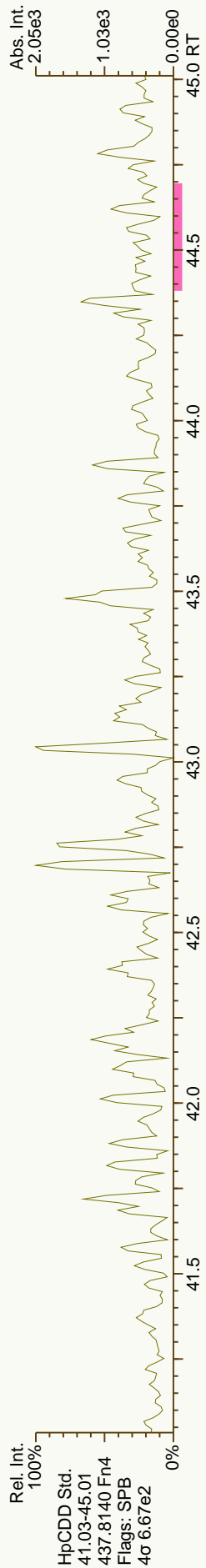
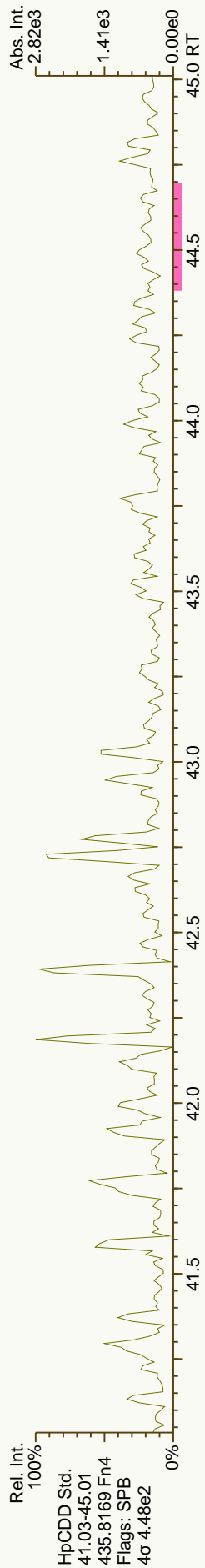
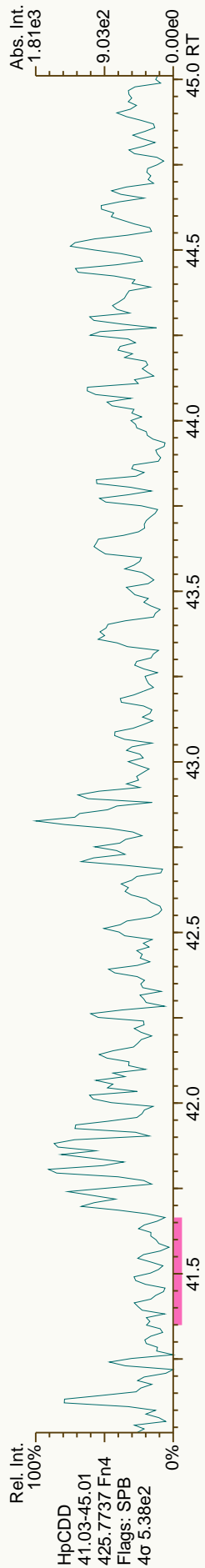
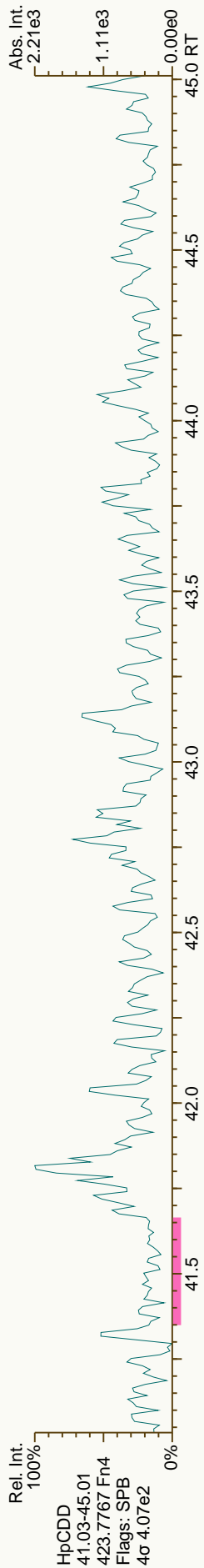


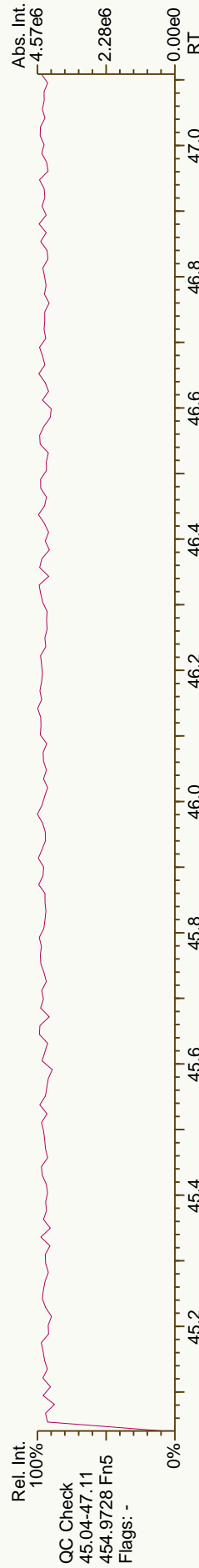
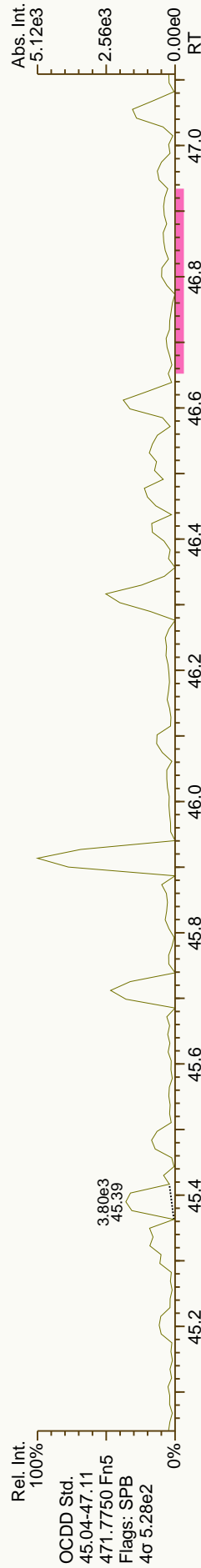
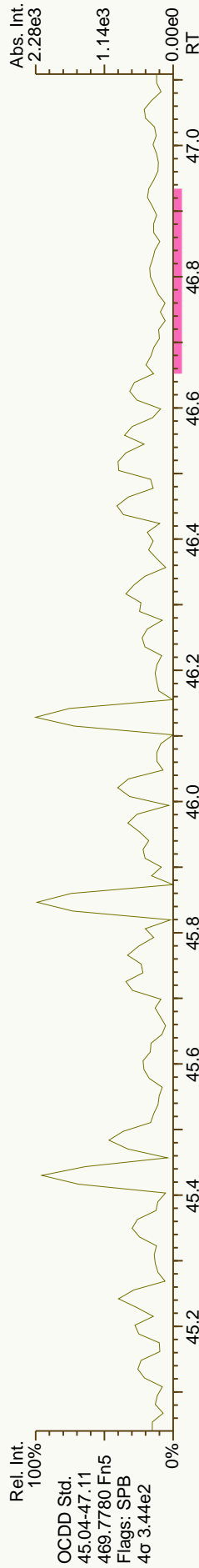
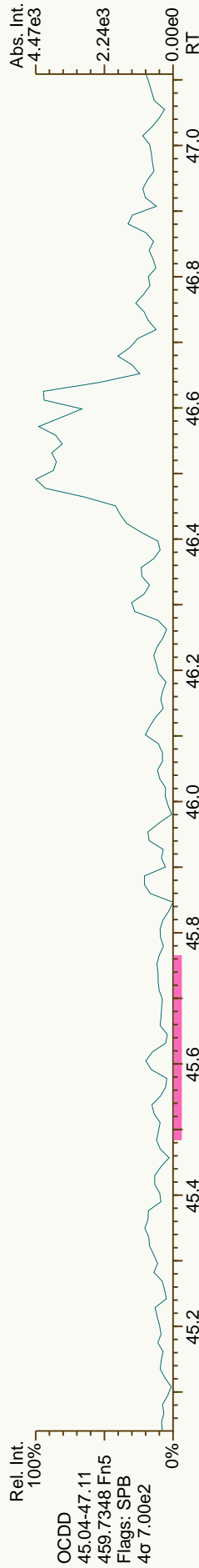
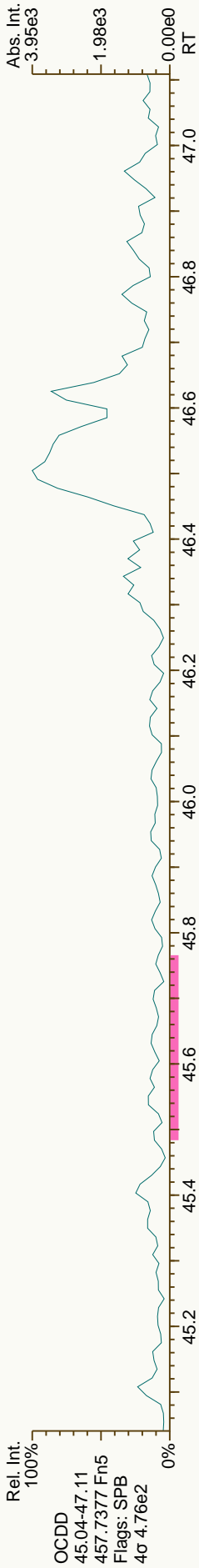


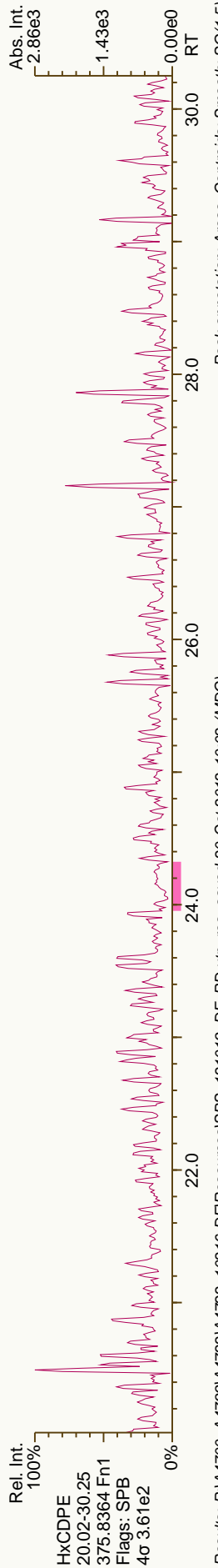
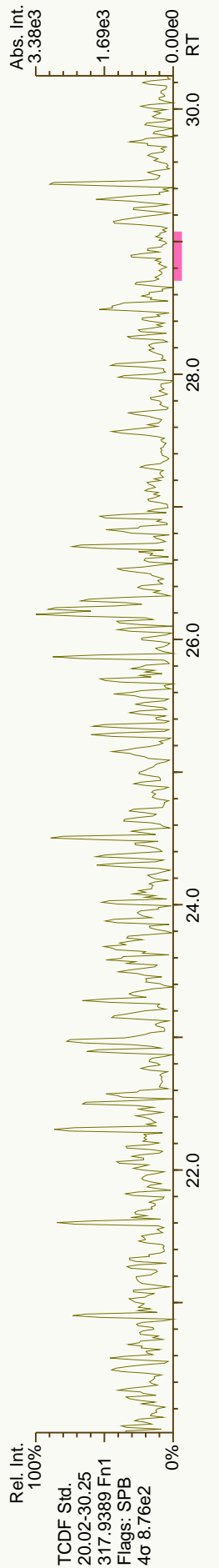
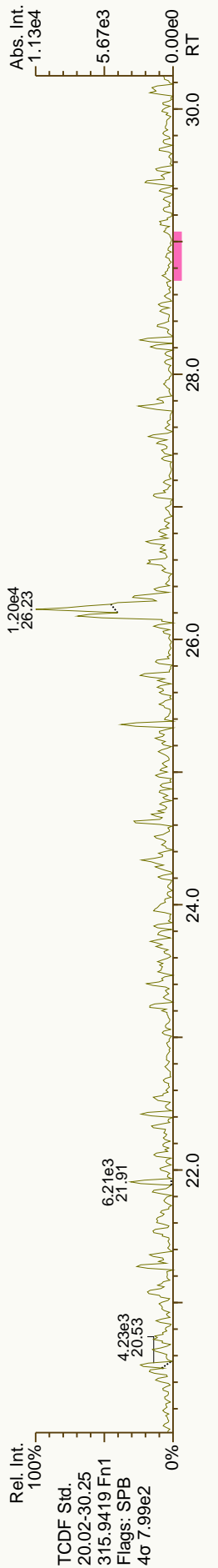
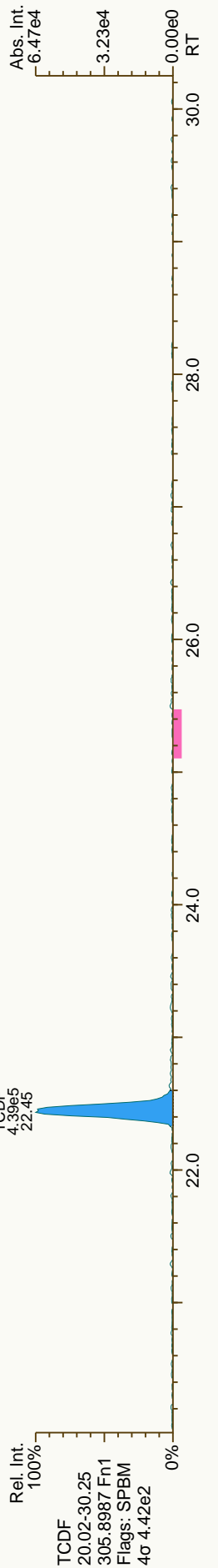
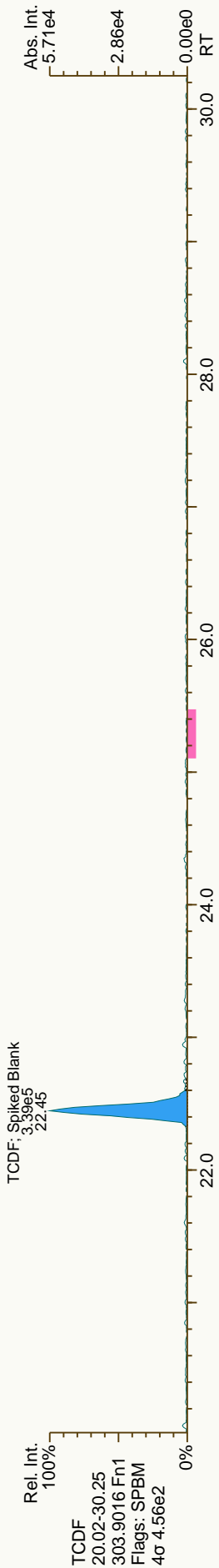


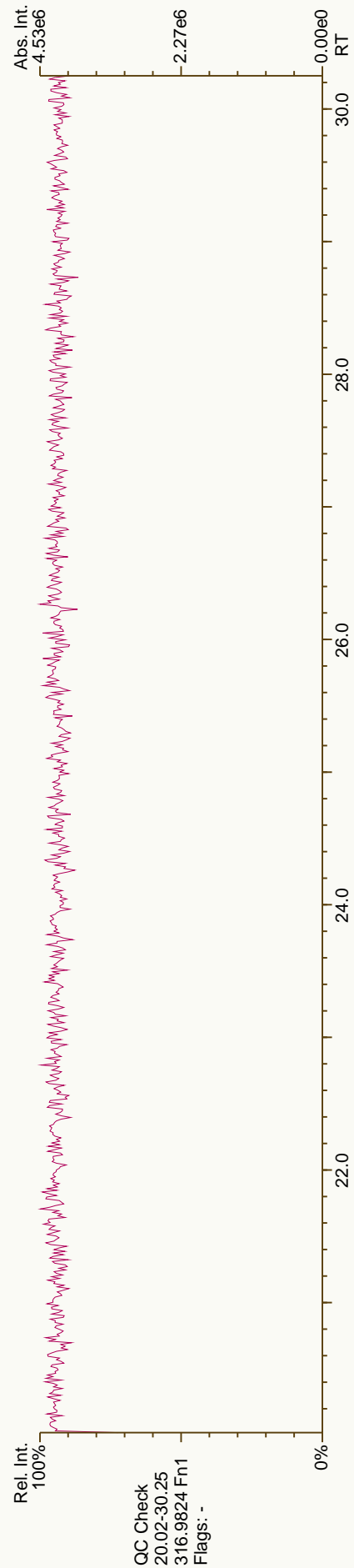
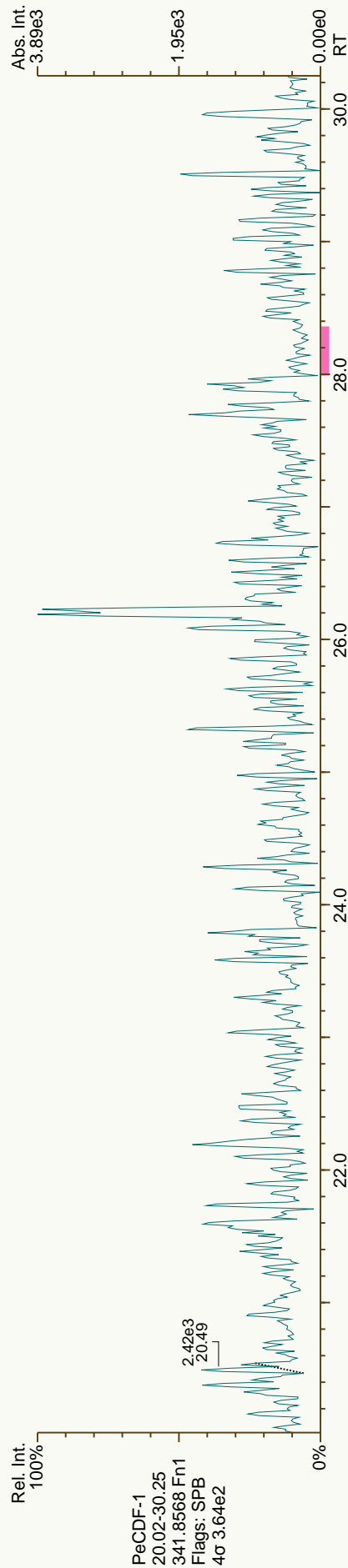
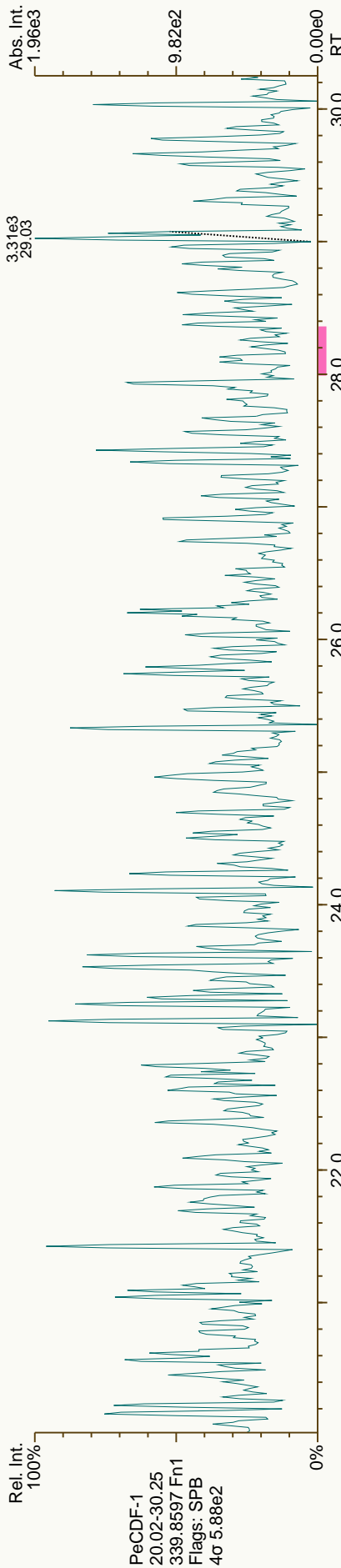


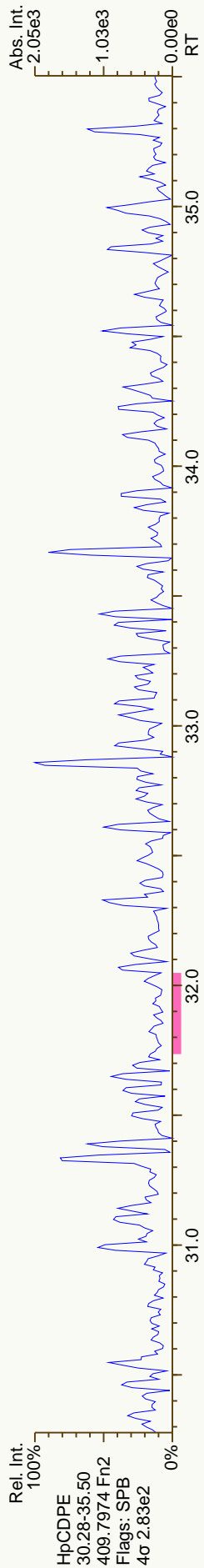
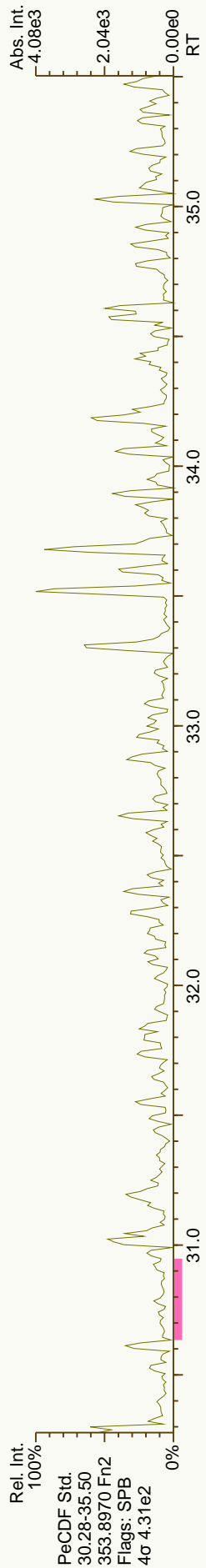
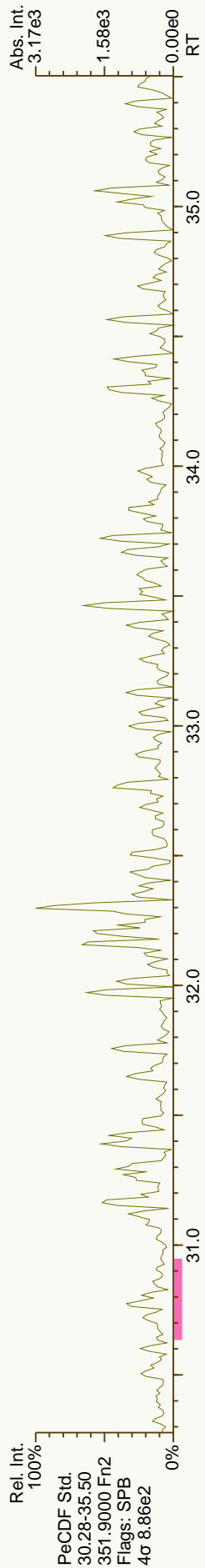
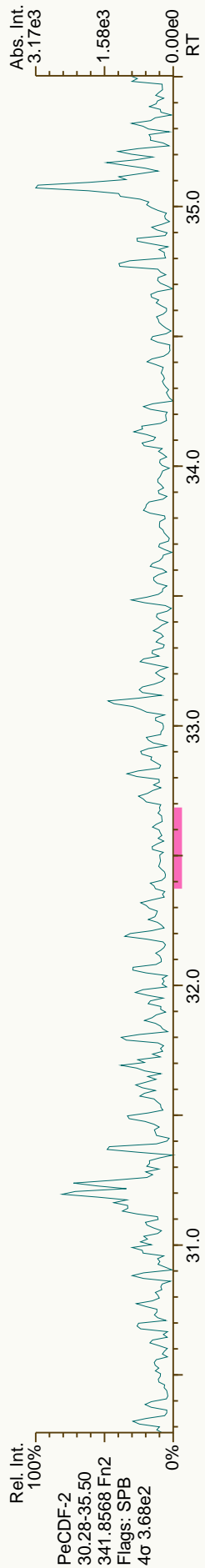
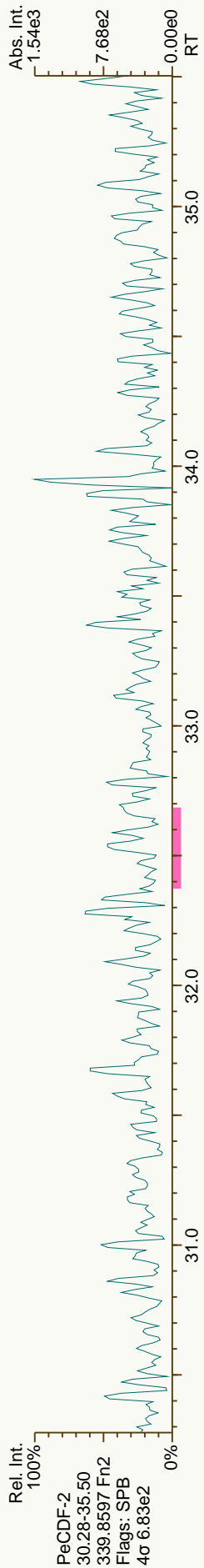


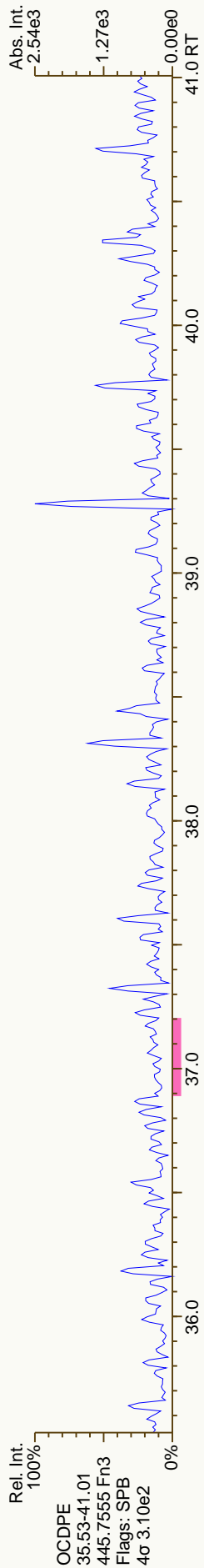
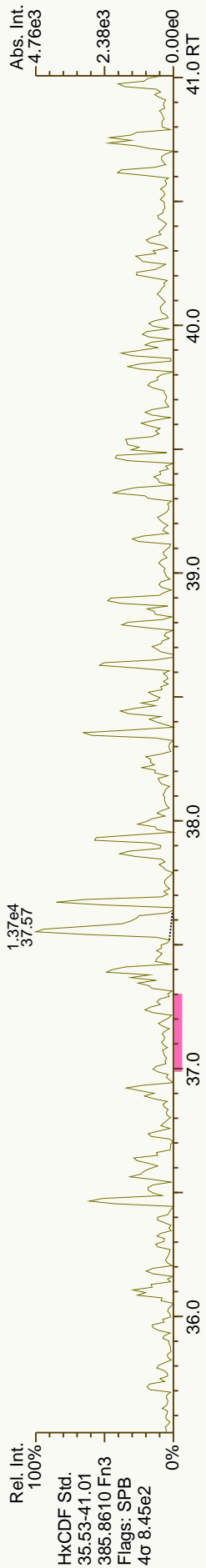
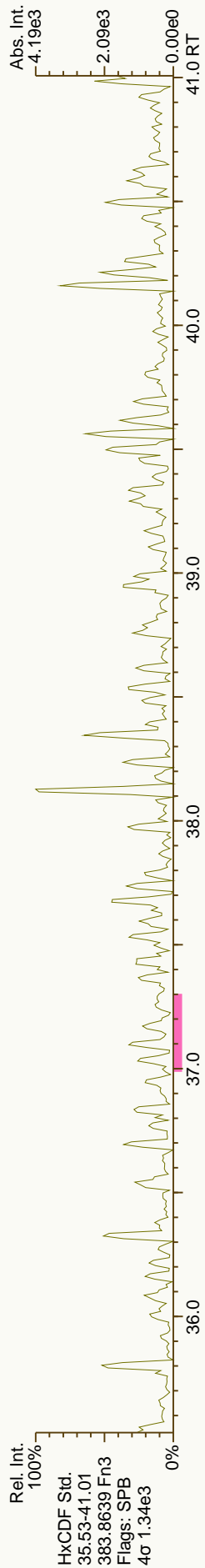
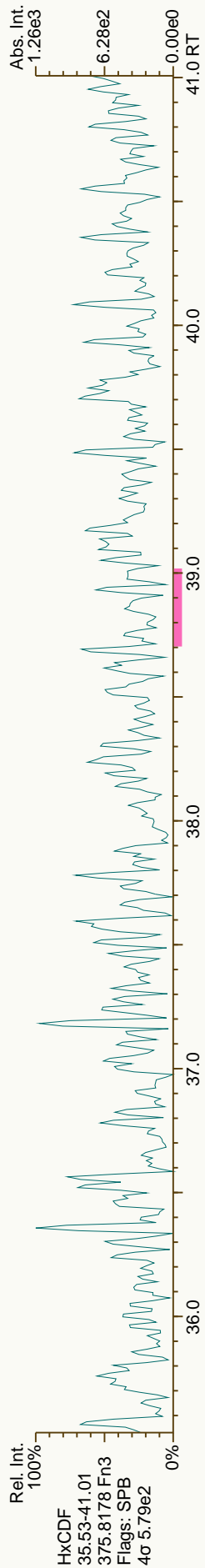
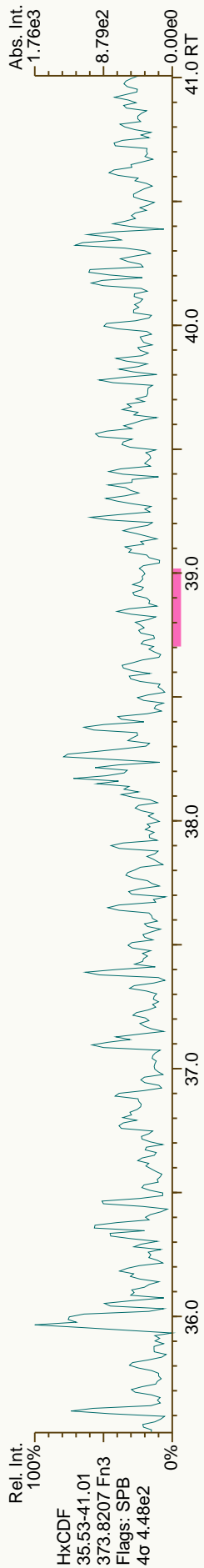


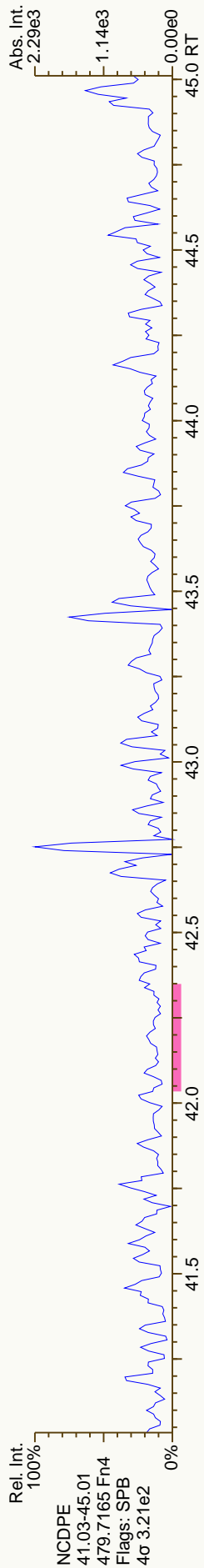
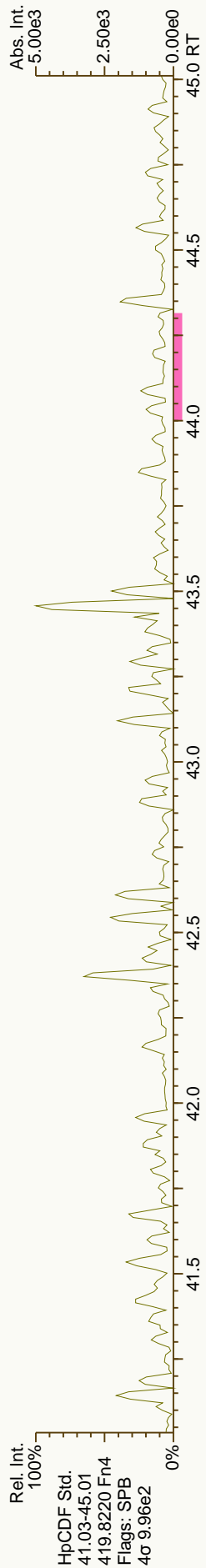
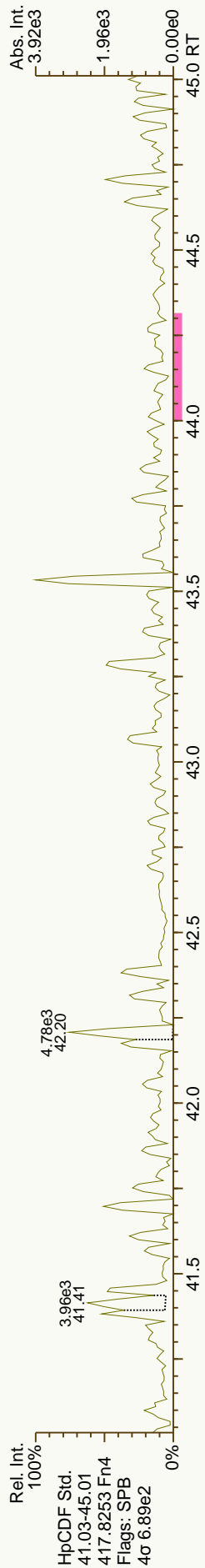
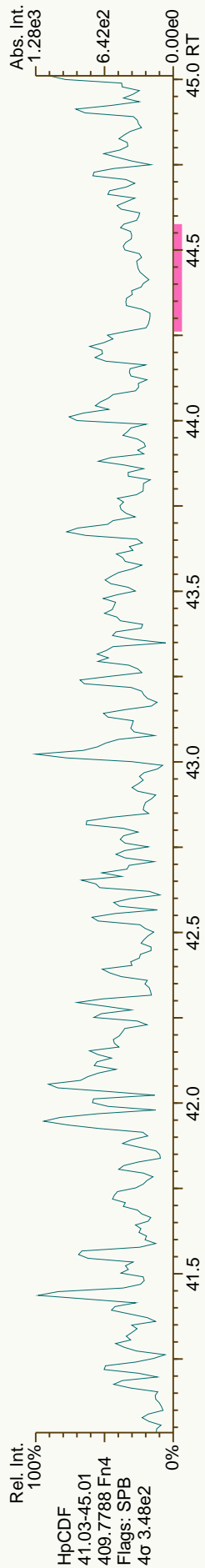
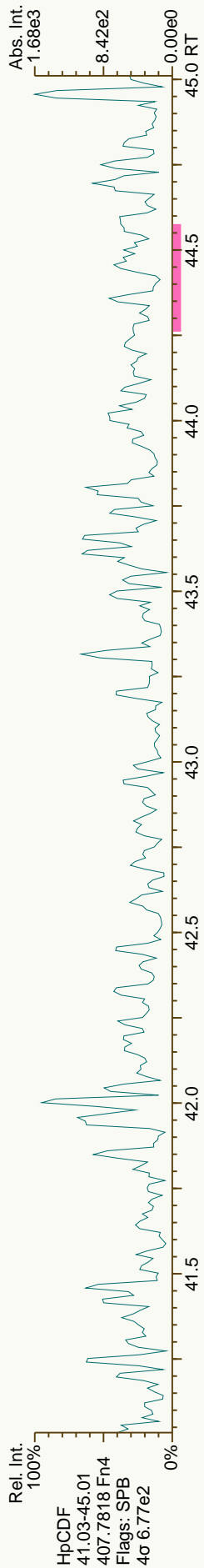


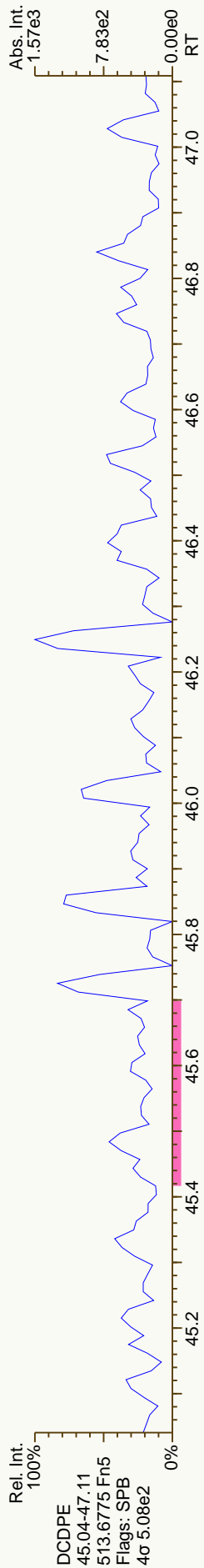
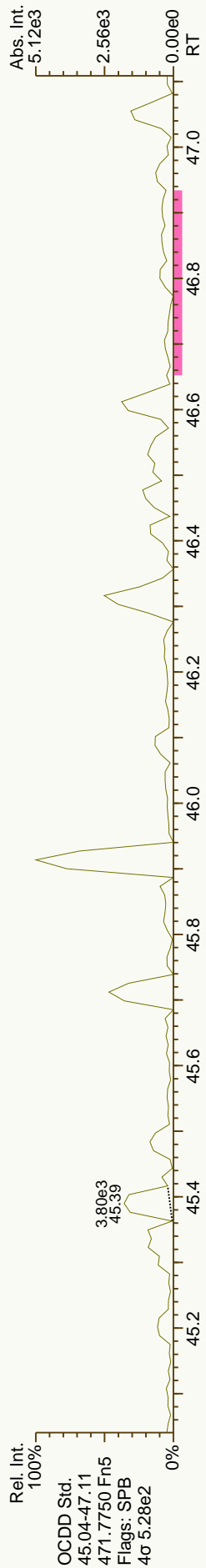
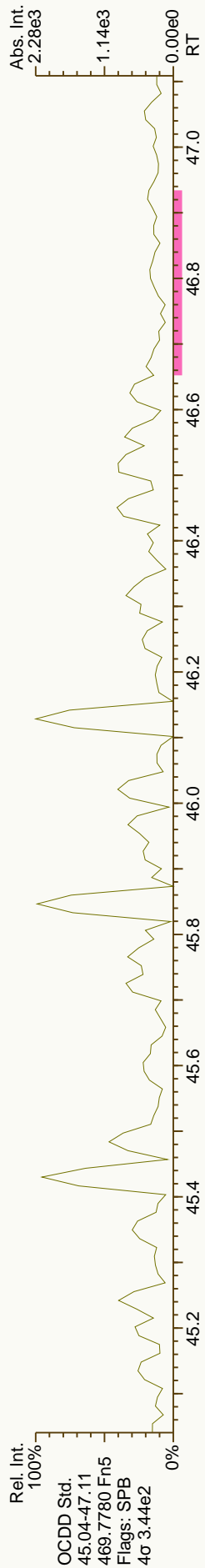
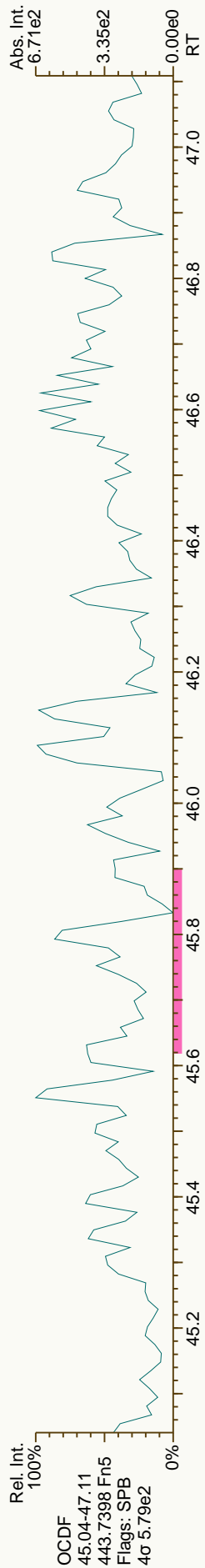
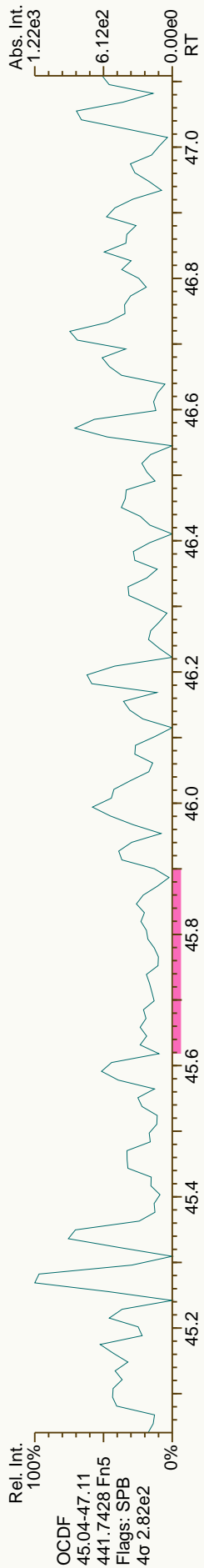


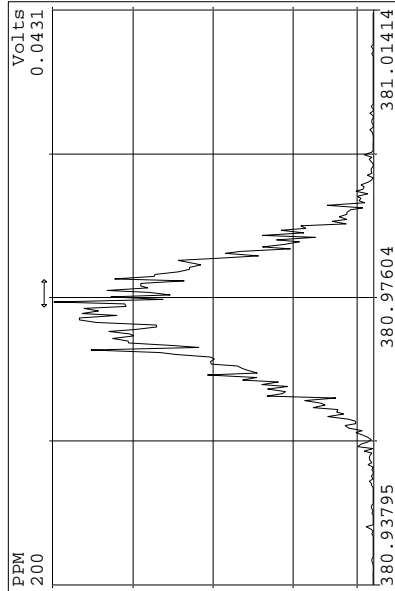
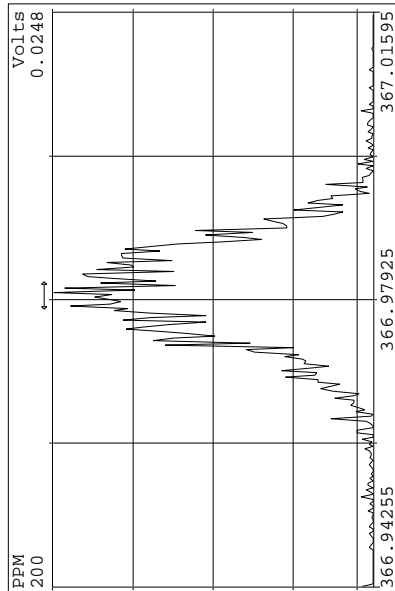
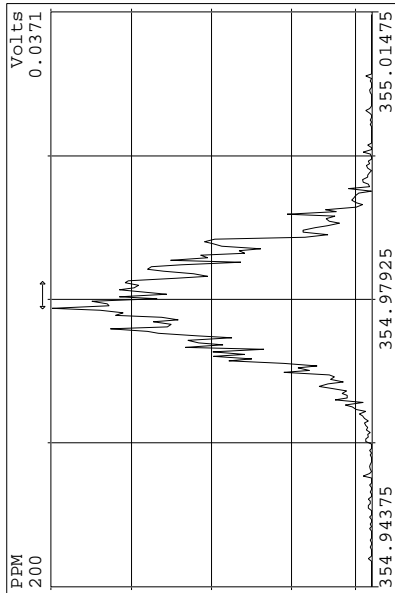
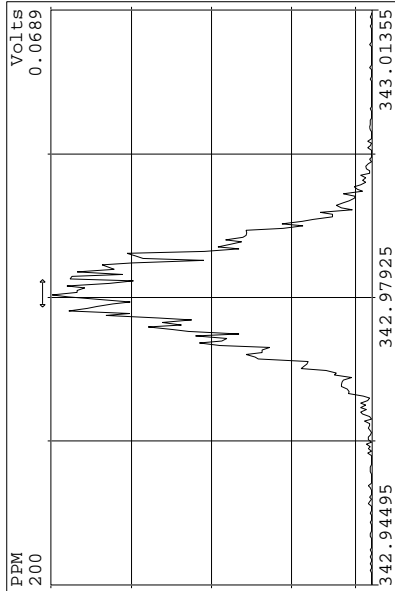
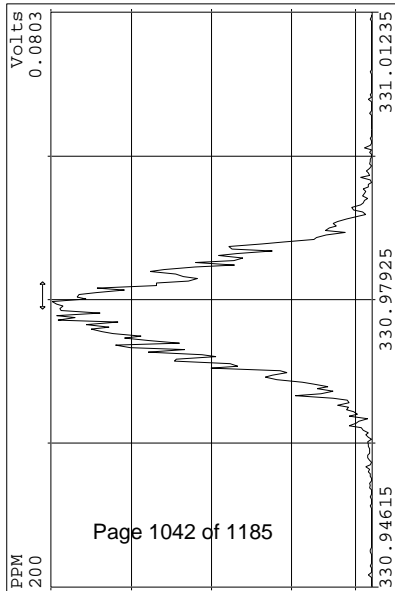
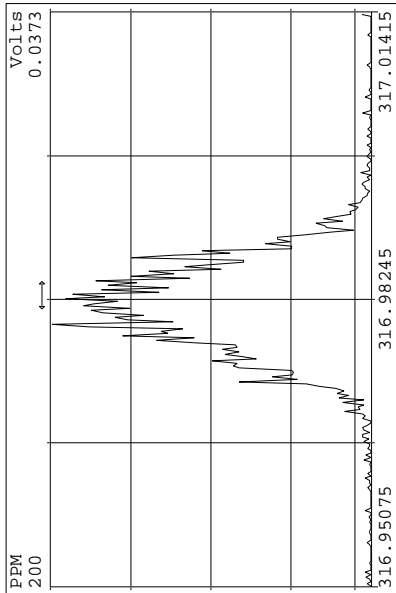
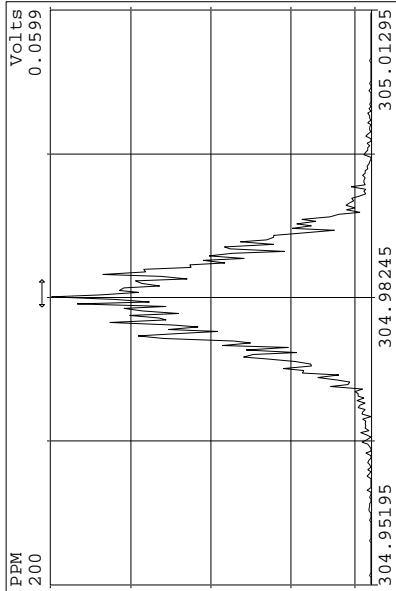
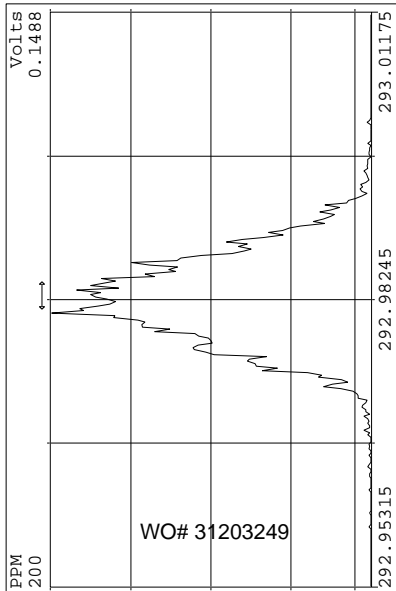


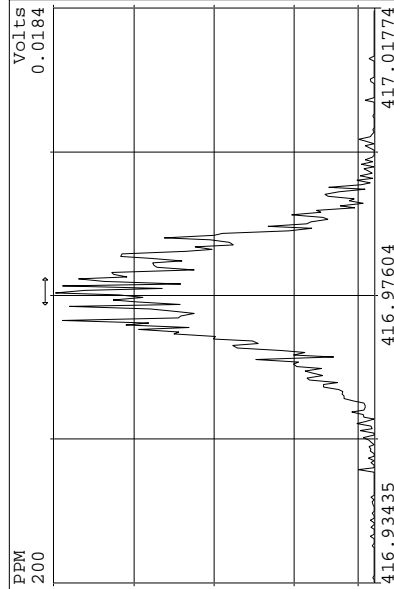
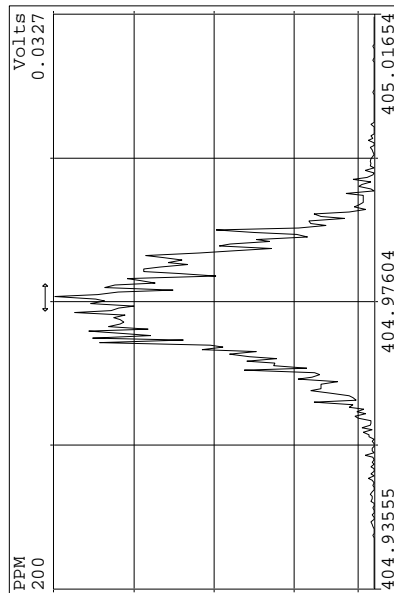
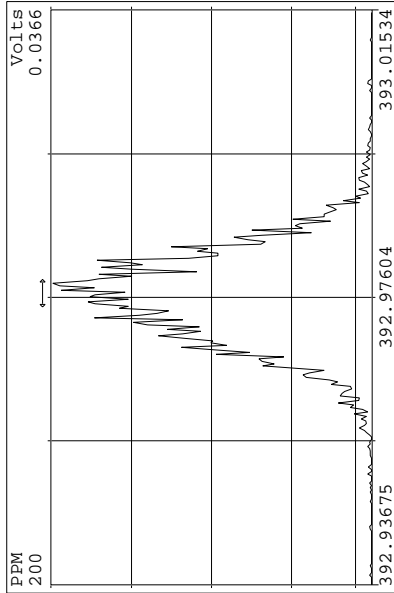
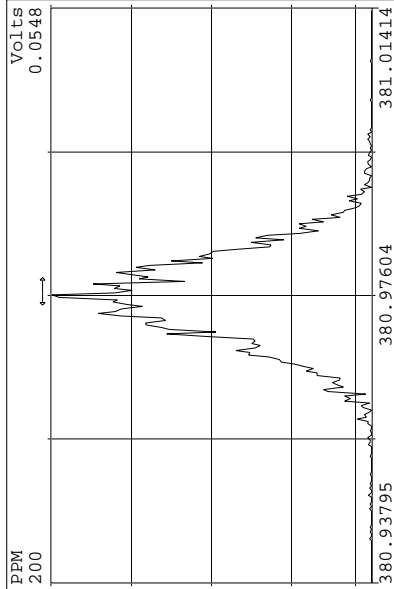
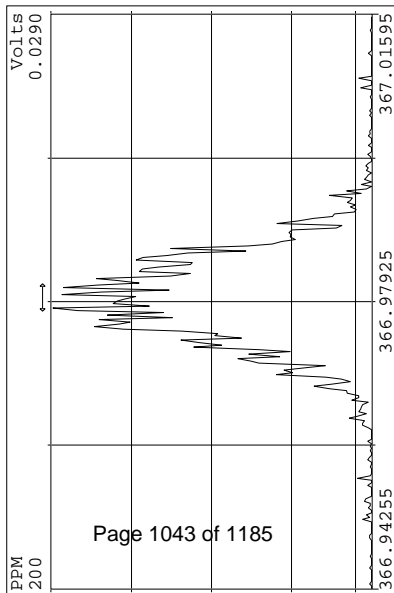
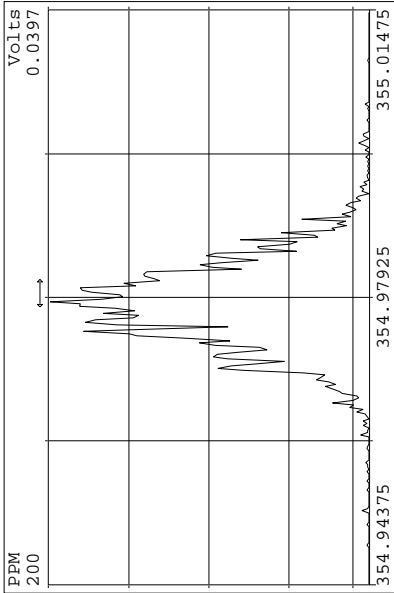
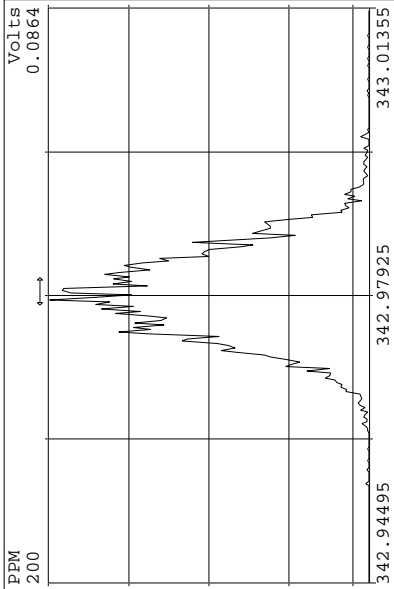
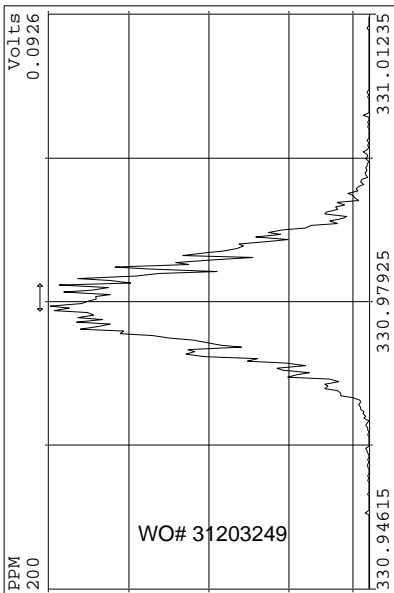


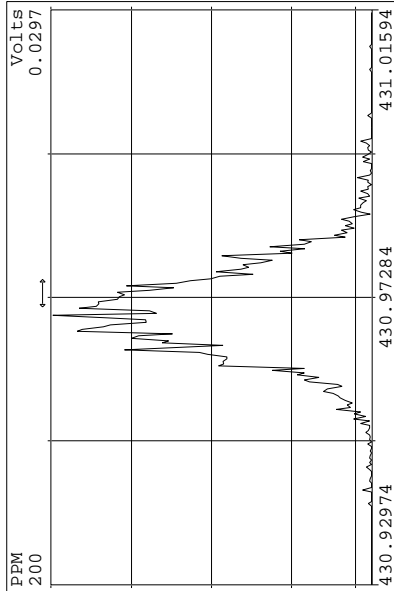
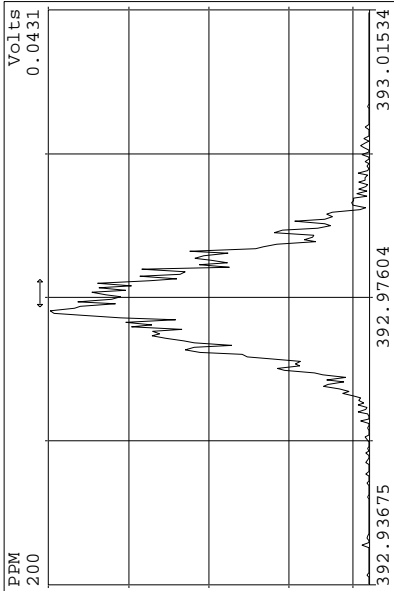
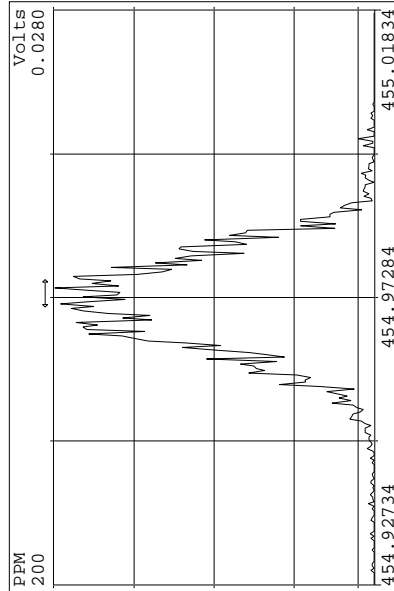
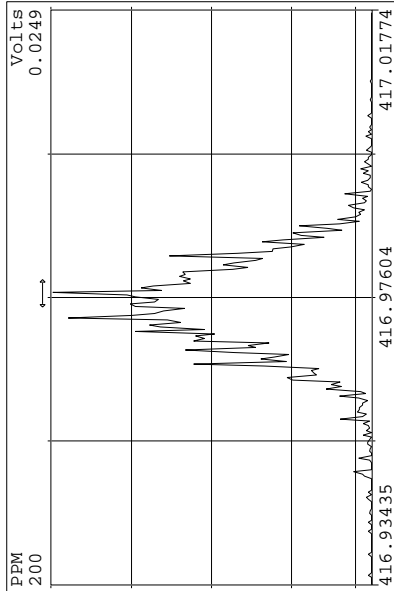
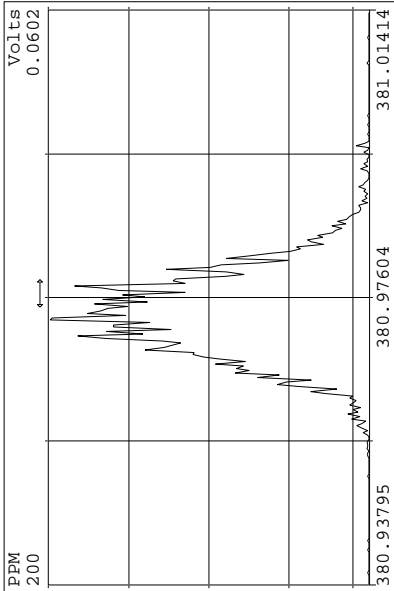
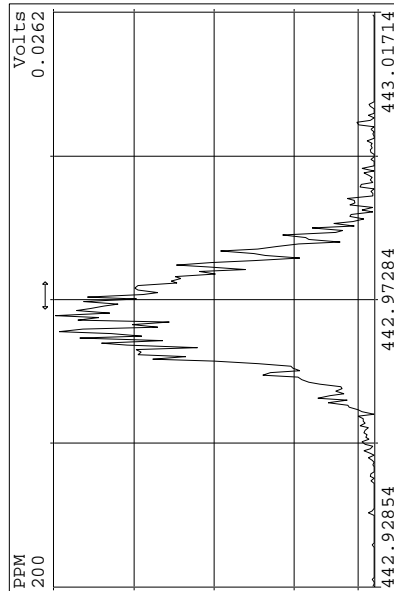
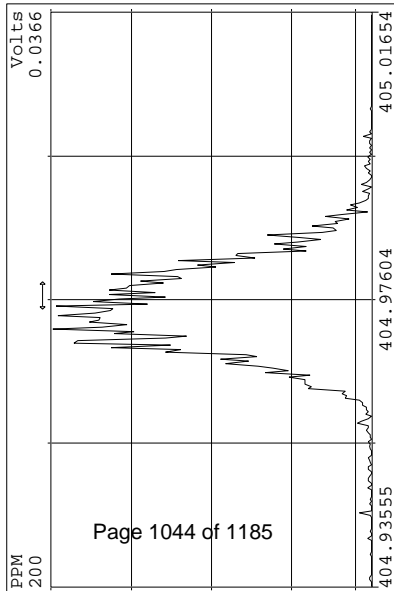
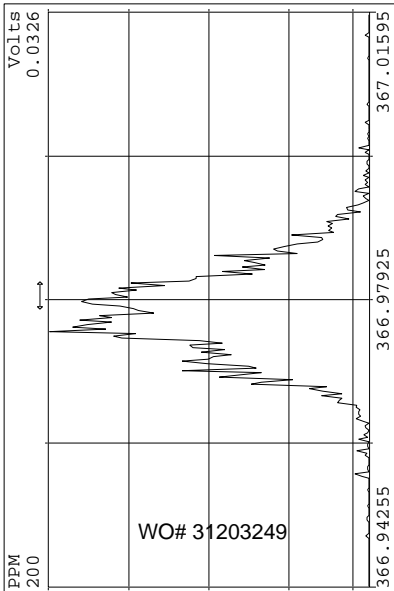


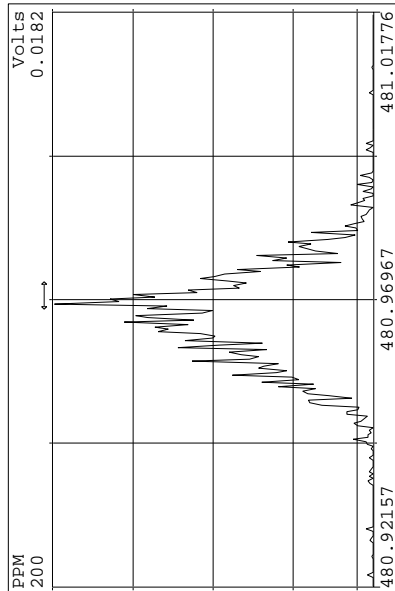
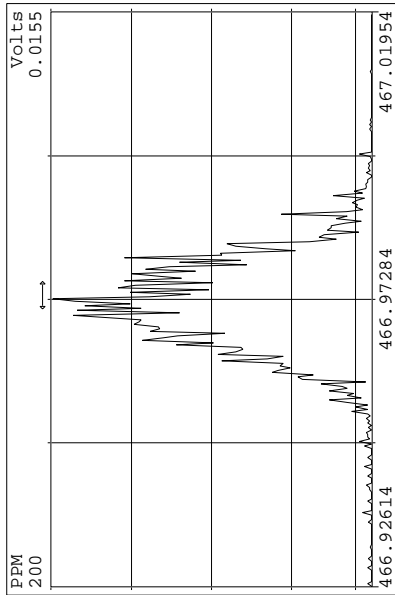
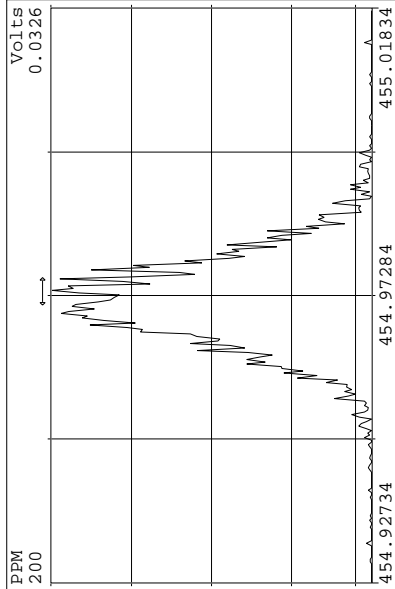
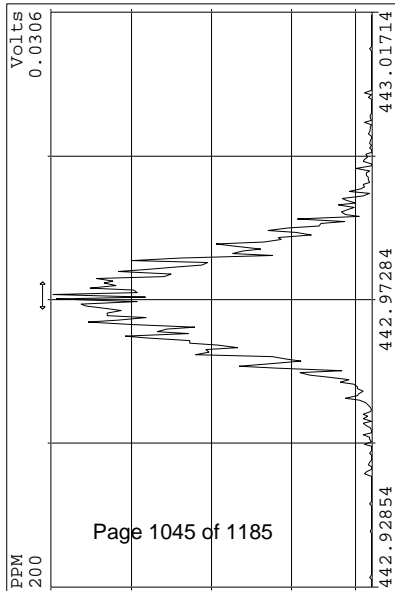
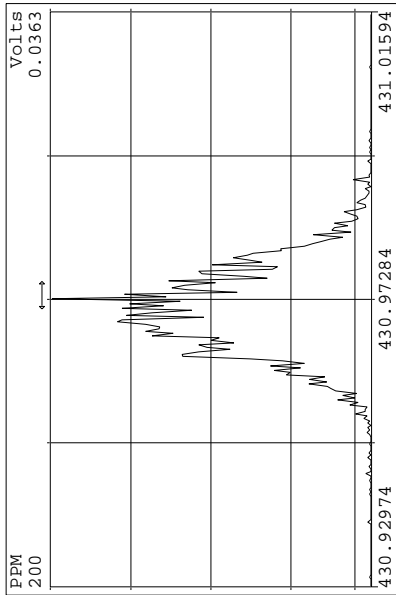
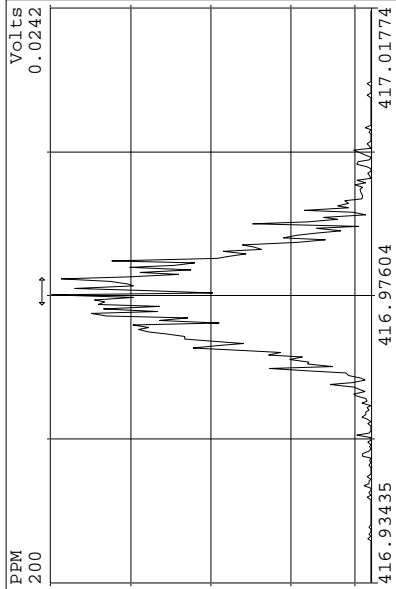
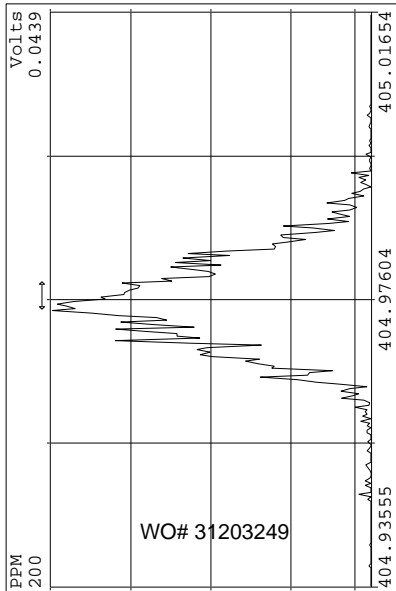


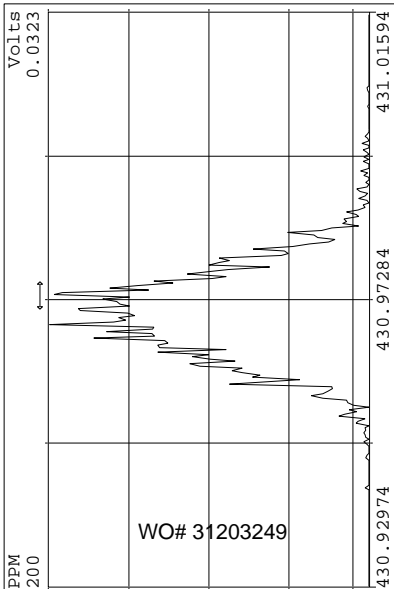




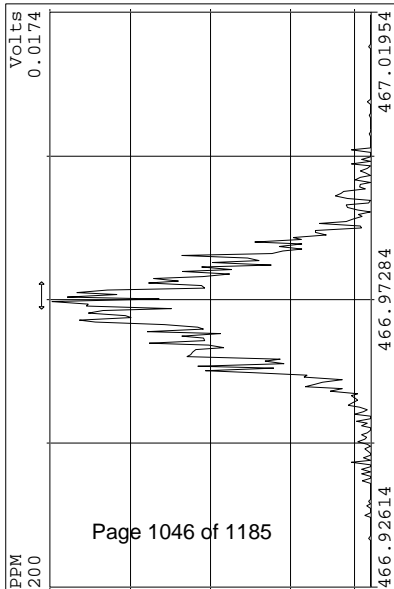




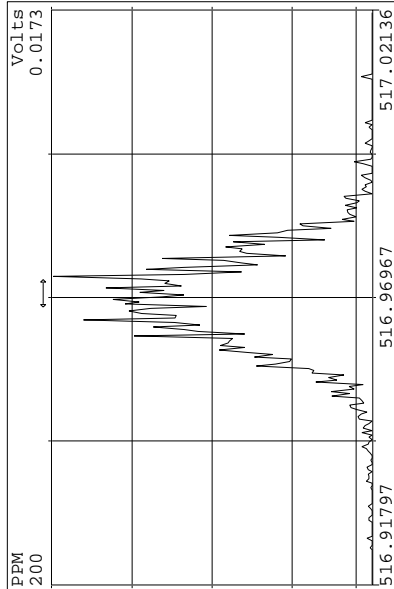
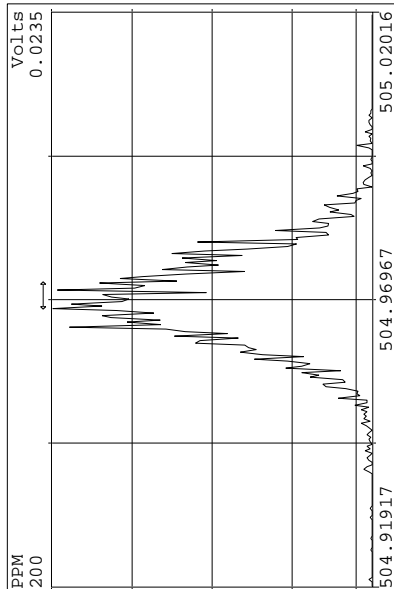
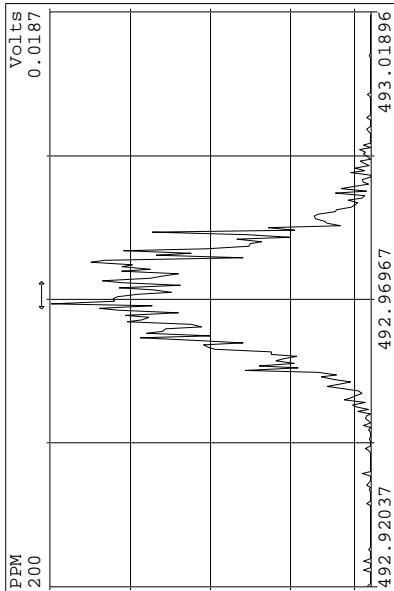
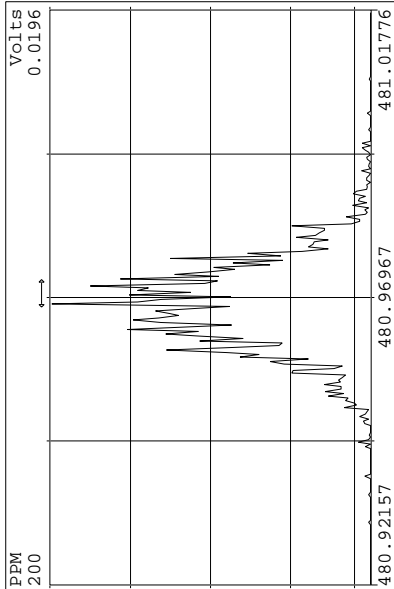
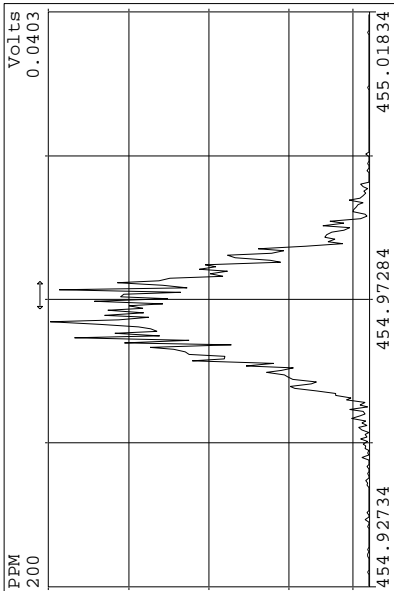
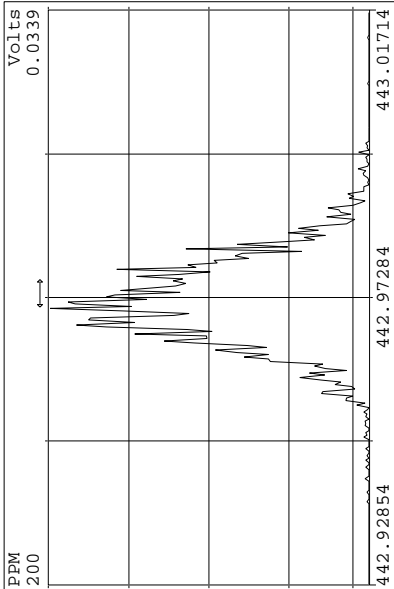


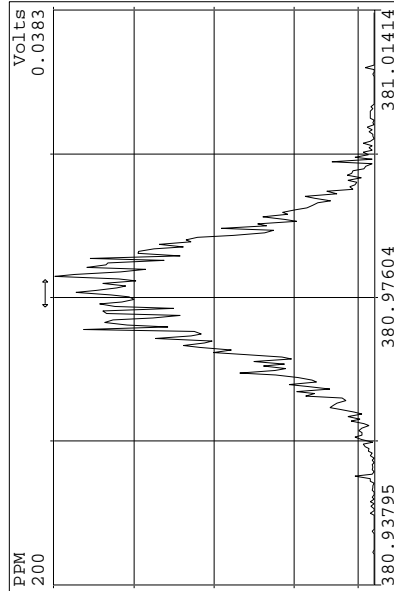
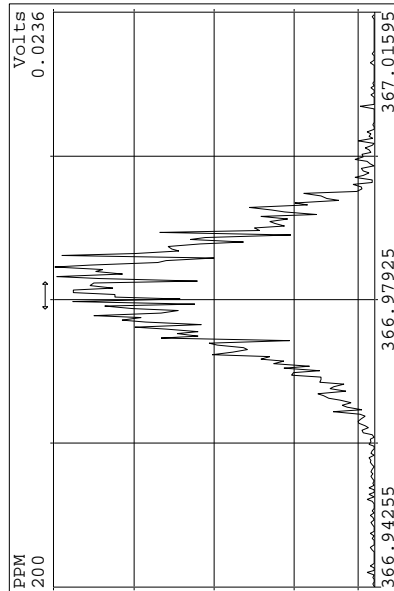
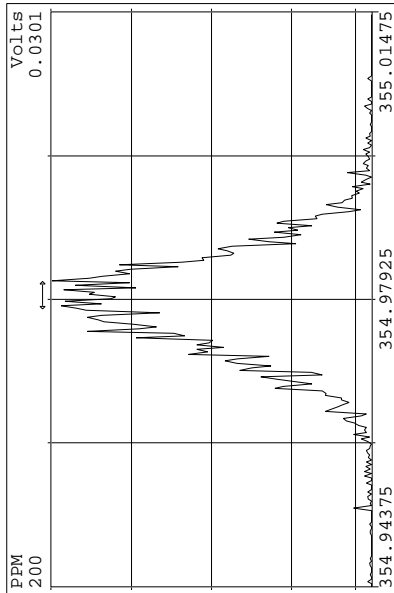
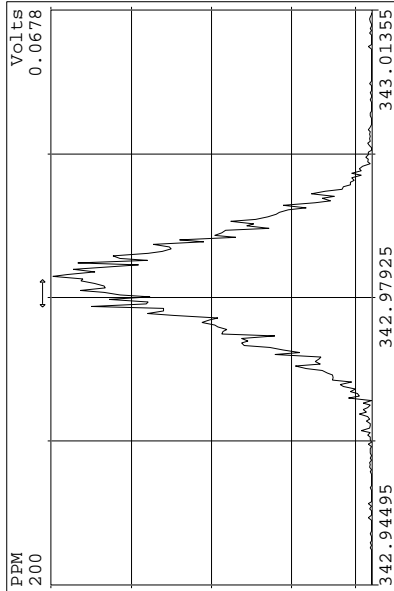
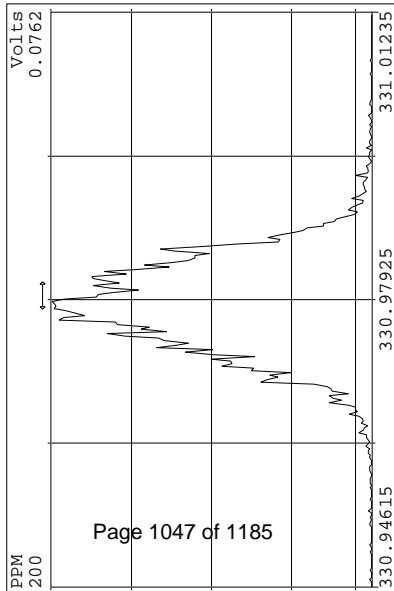
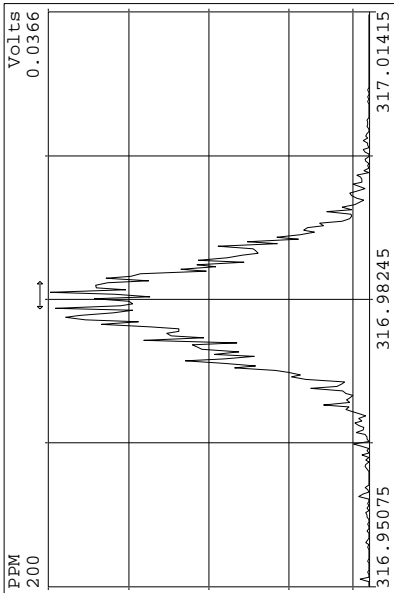
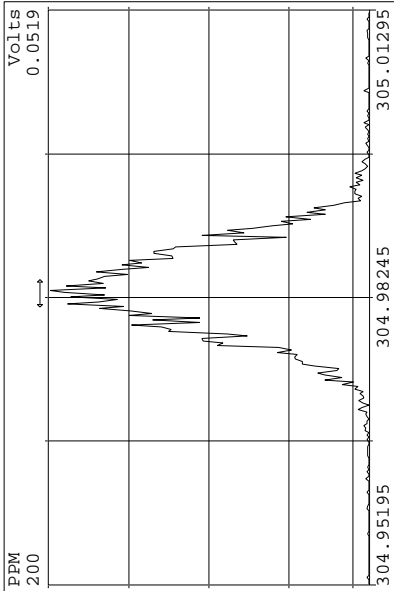
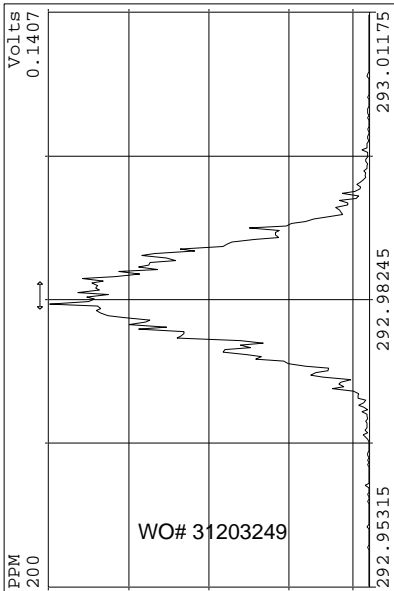


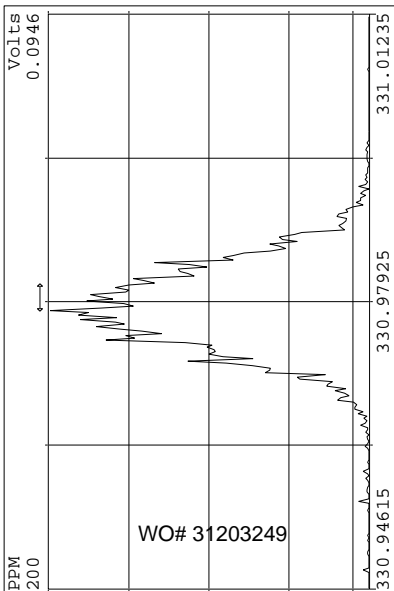
WO# 31203249



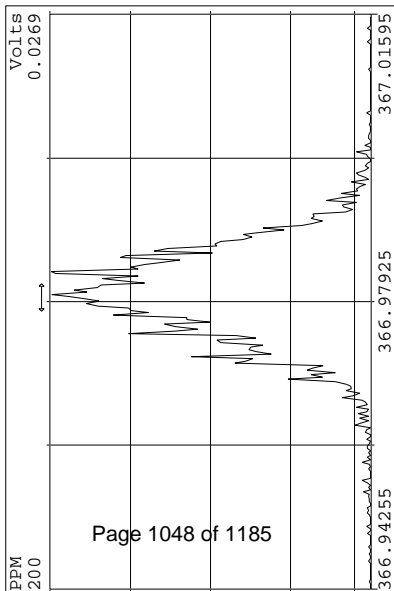
Page 1046 of 1185



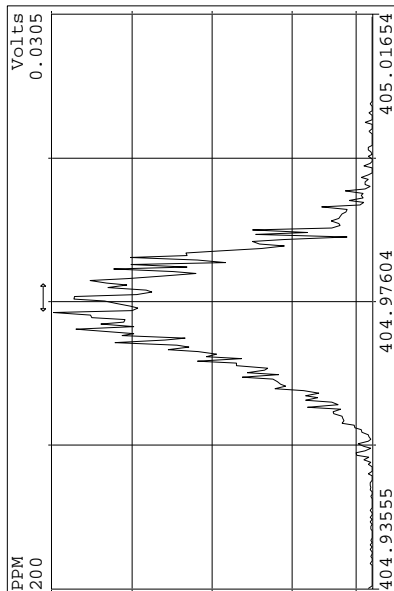
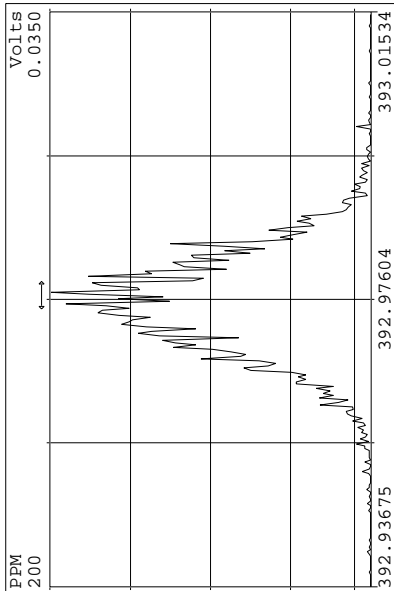
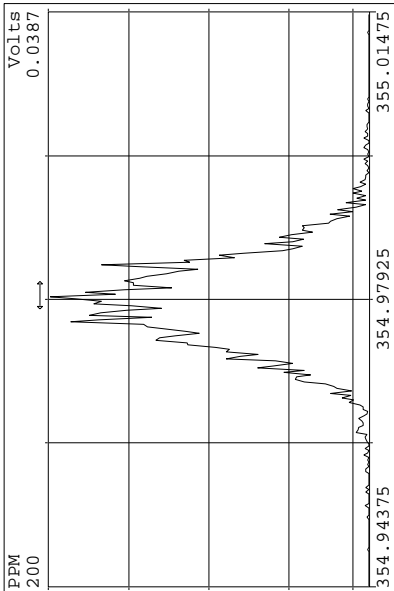
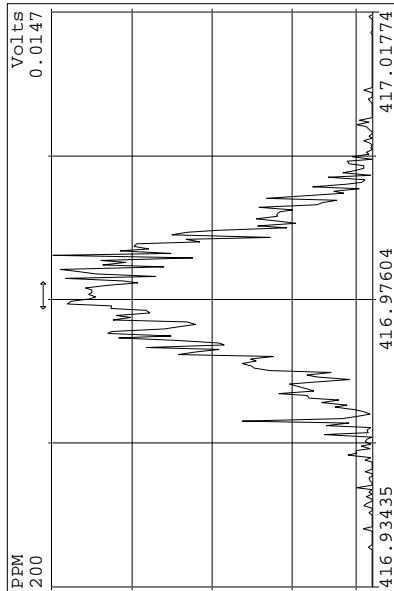
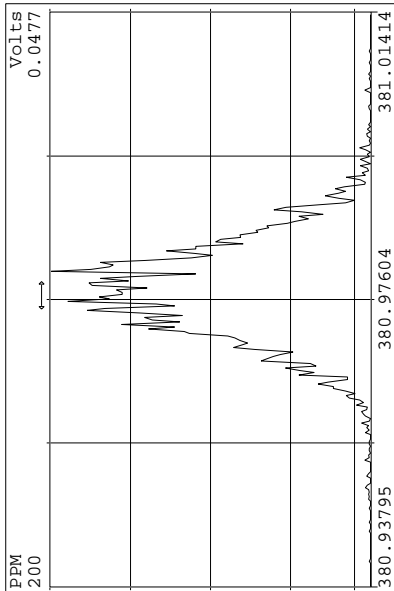
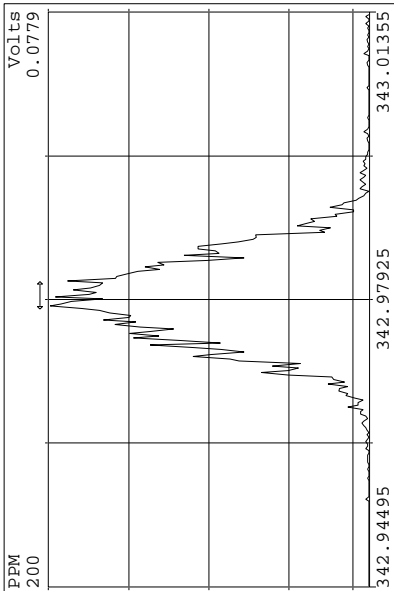


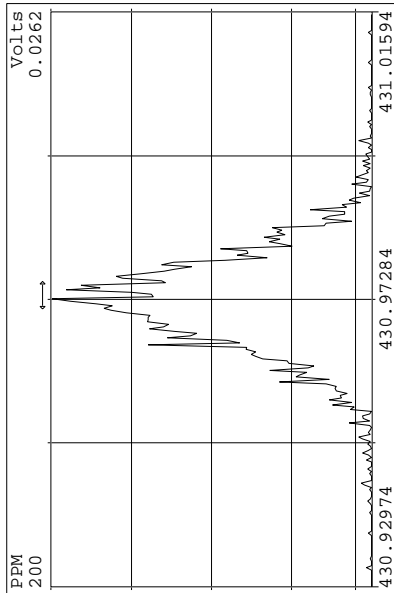
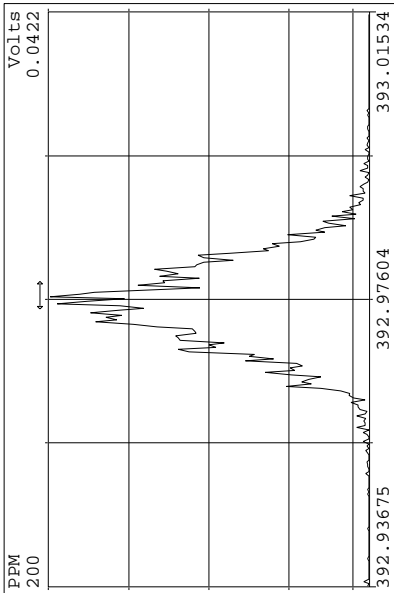
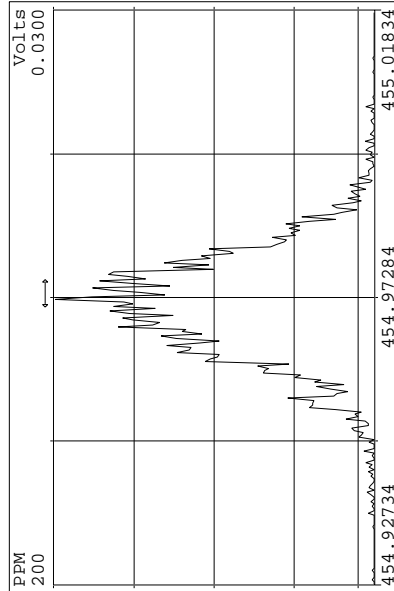
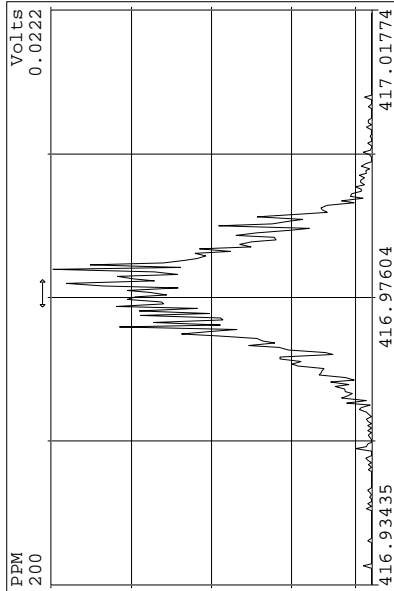
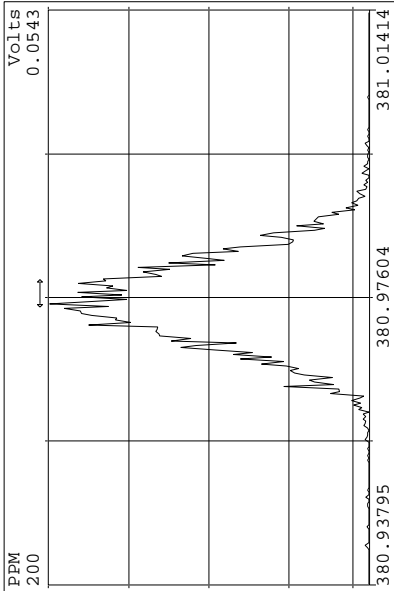
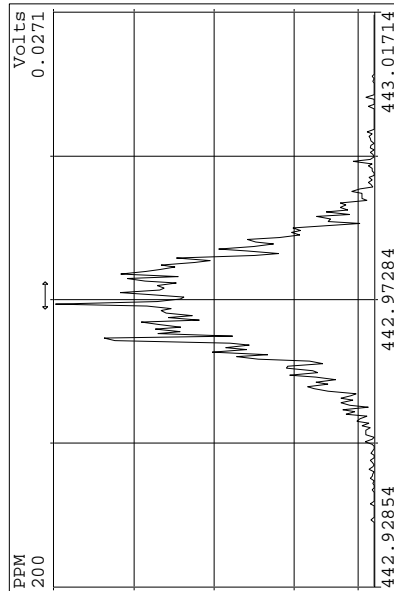
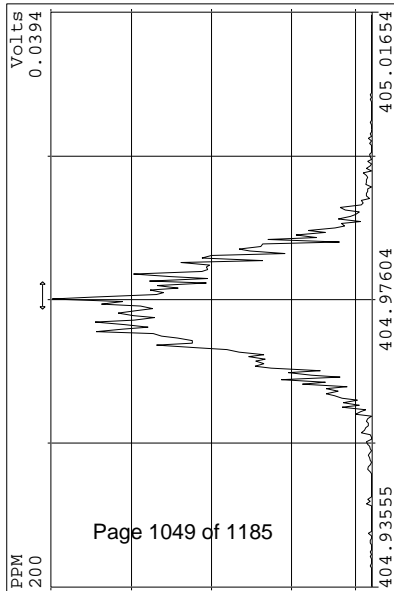
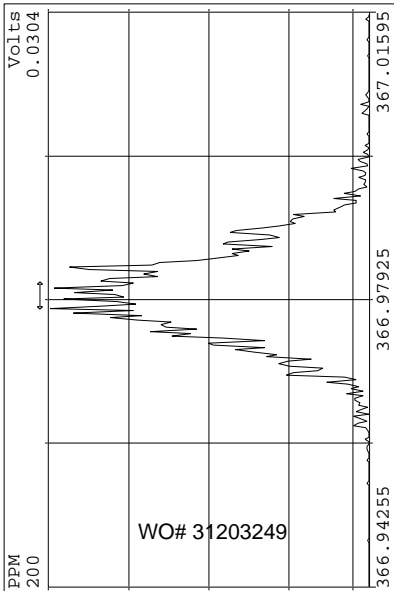


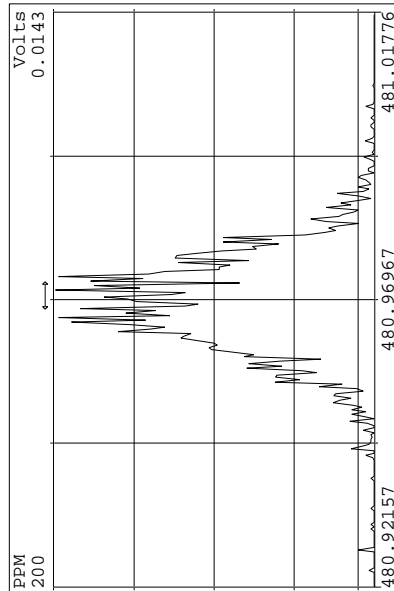
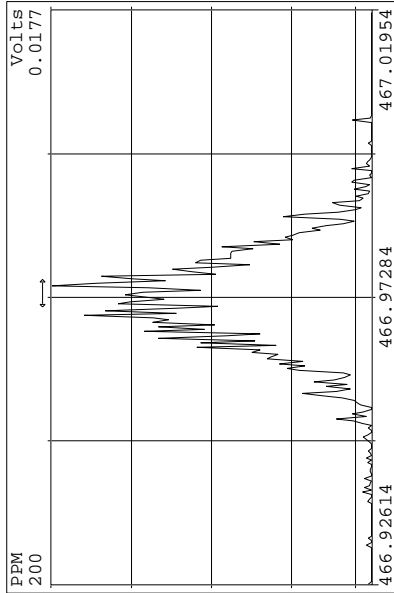
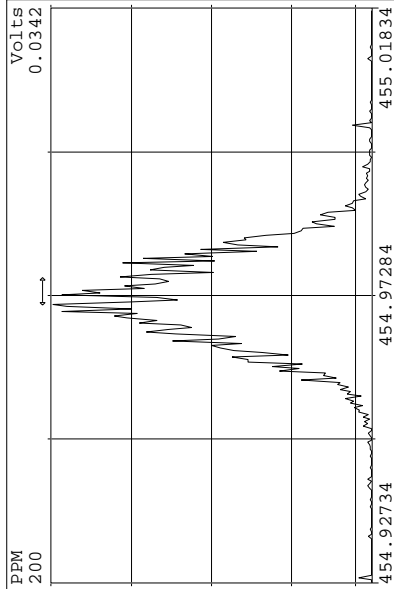
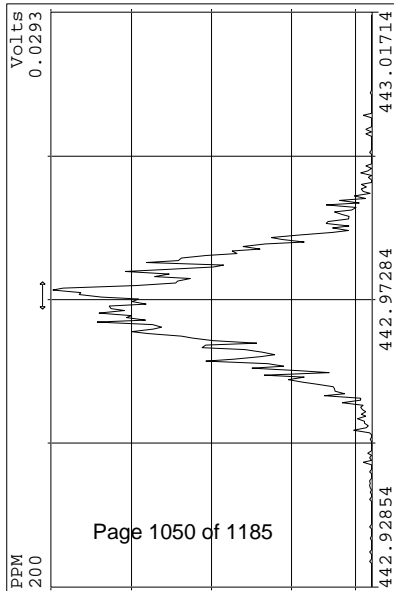
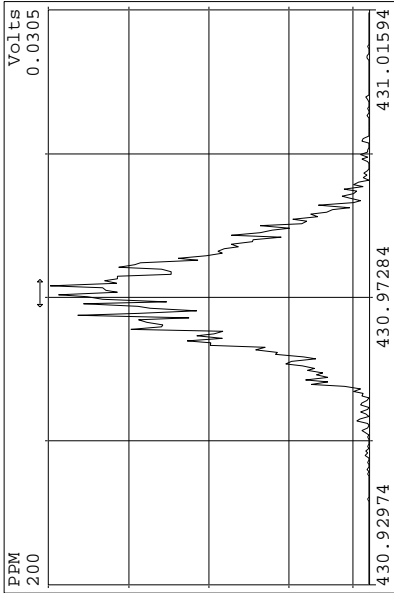
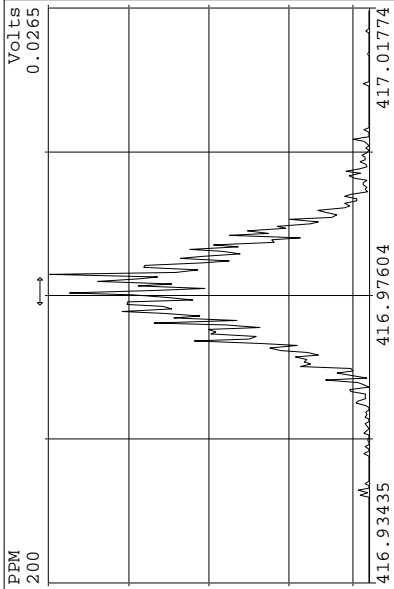
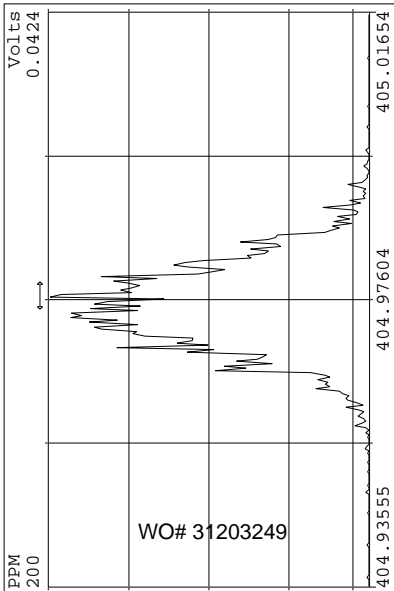
WO# 31203249

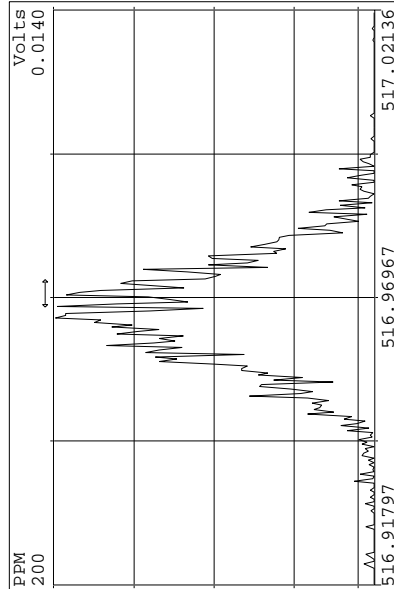
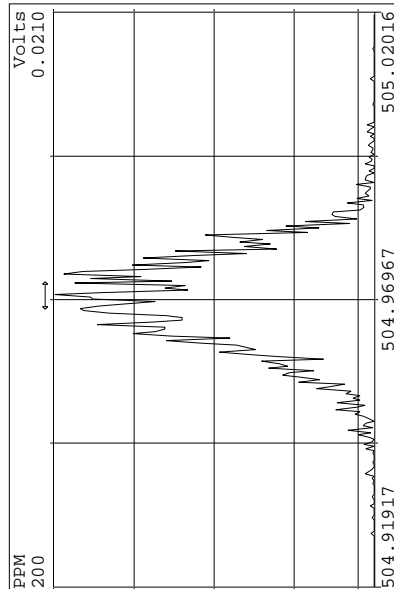
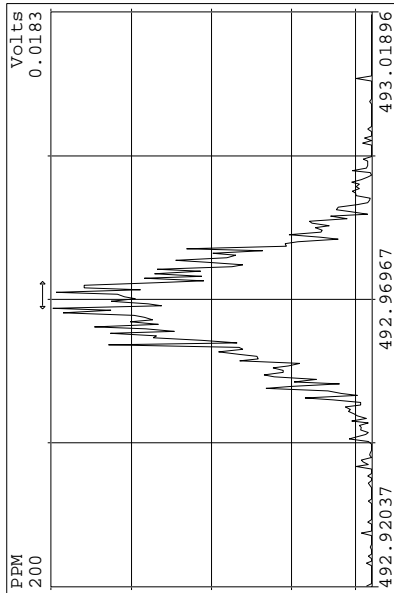
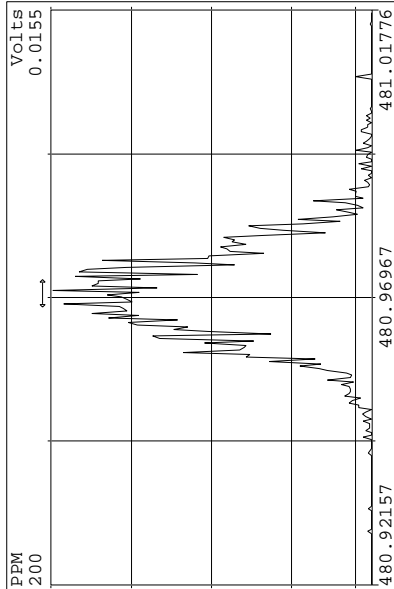
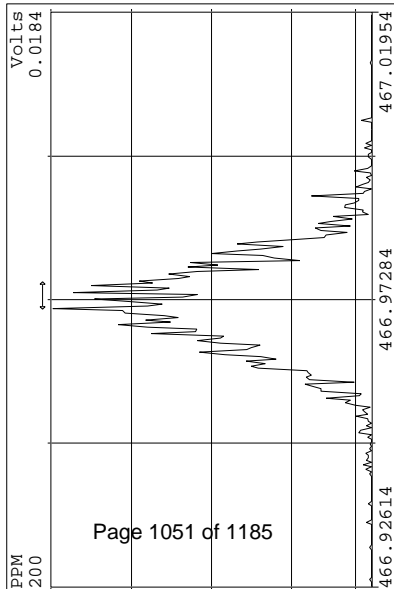
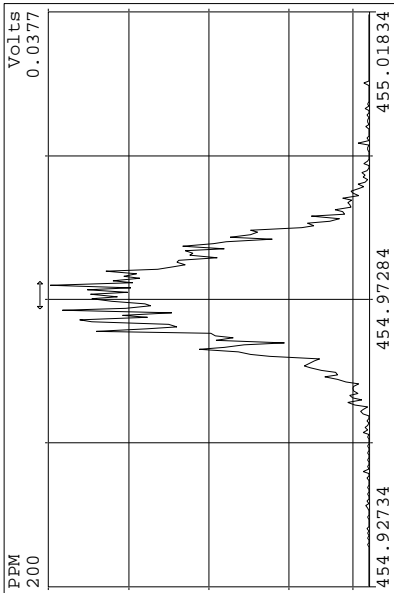
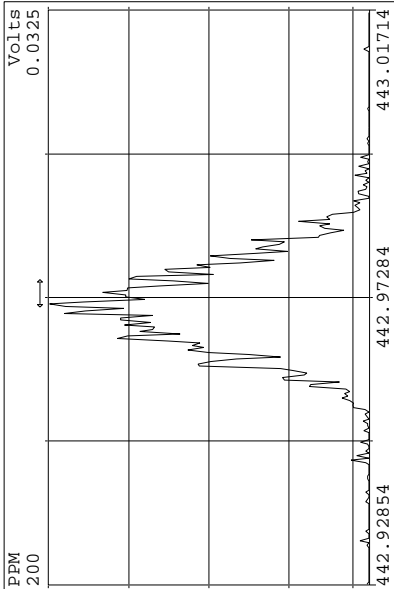
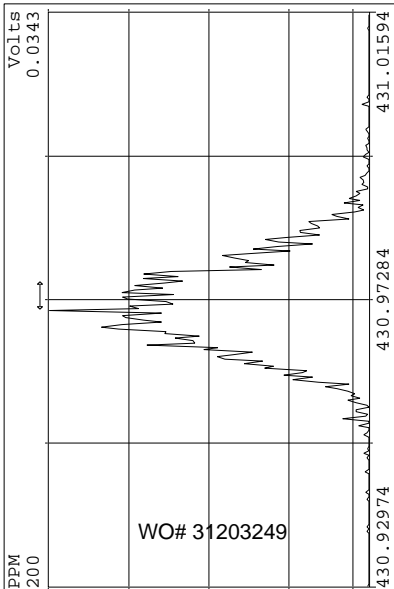


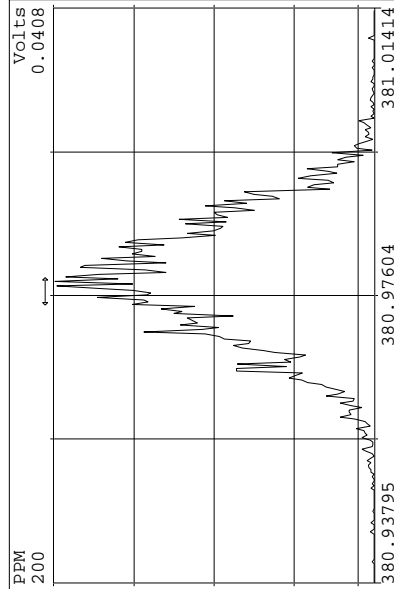
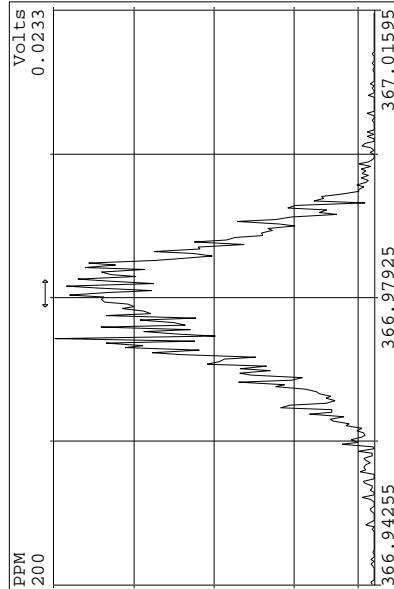
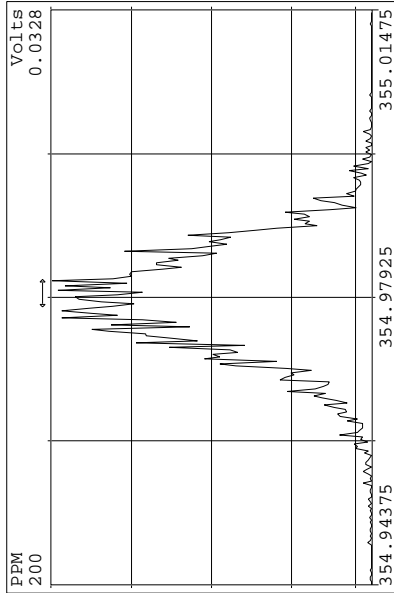
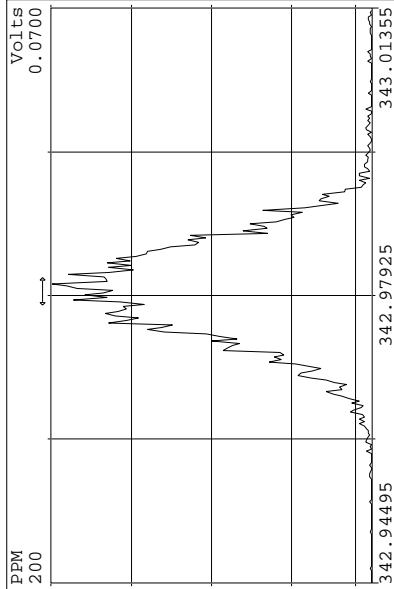
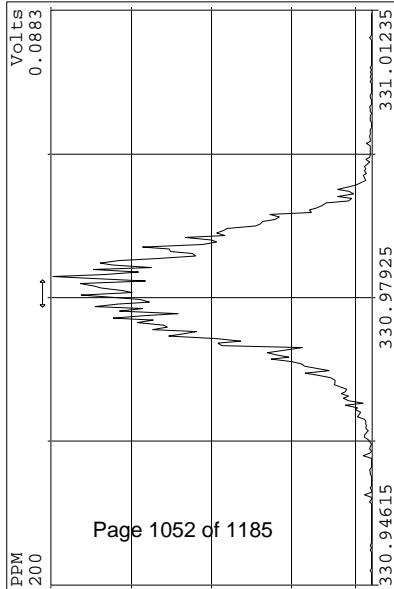
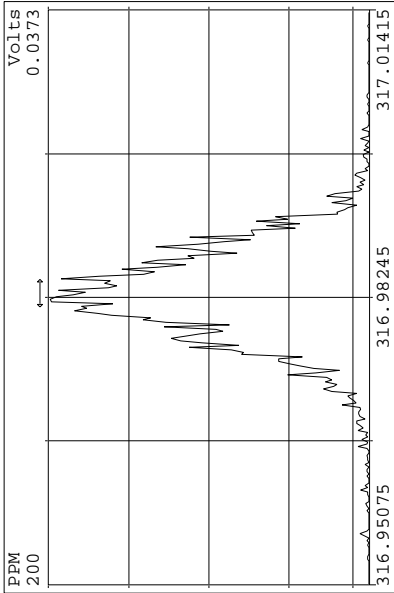
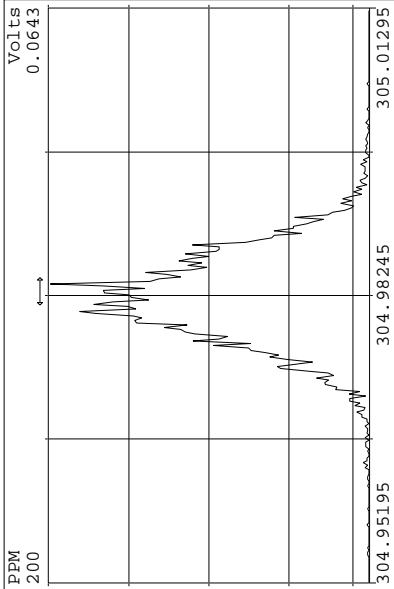
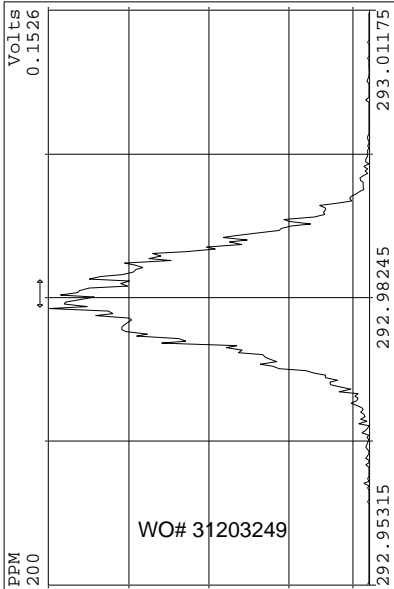
Page 1048 of 1185

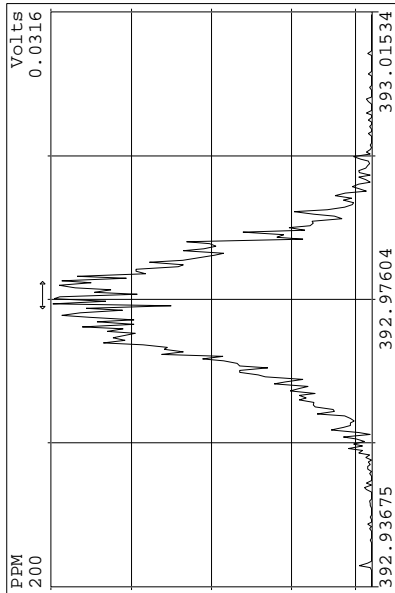
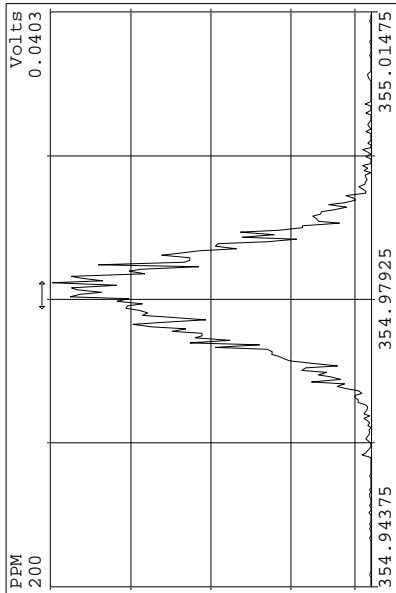
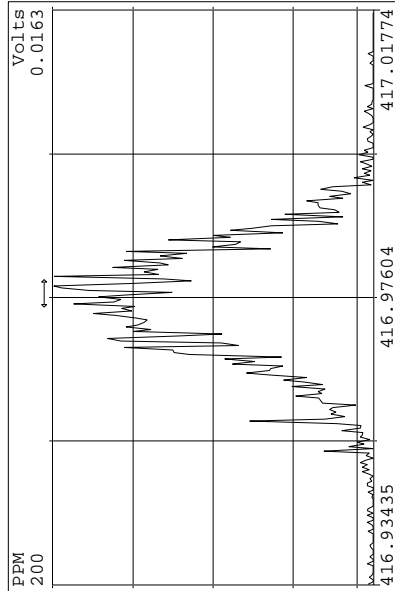
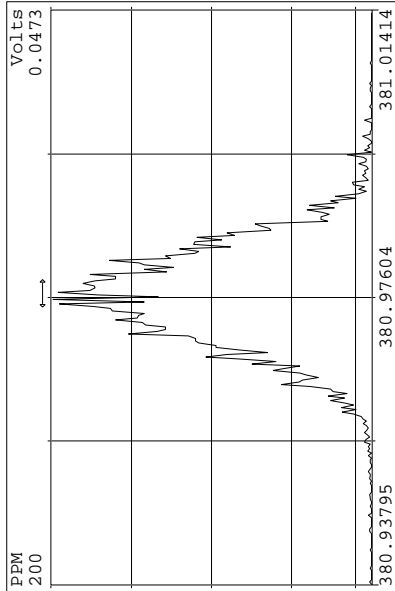
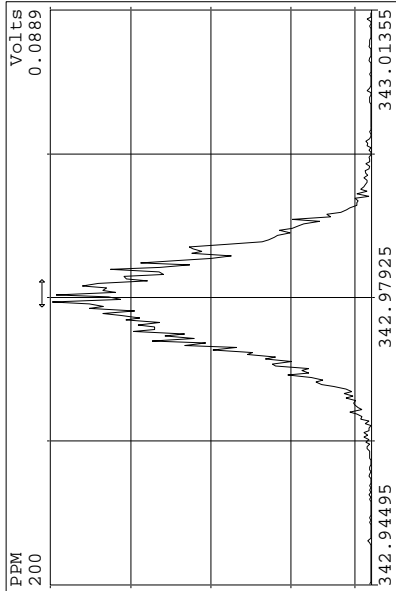
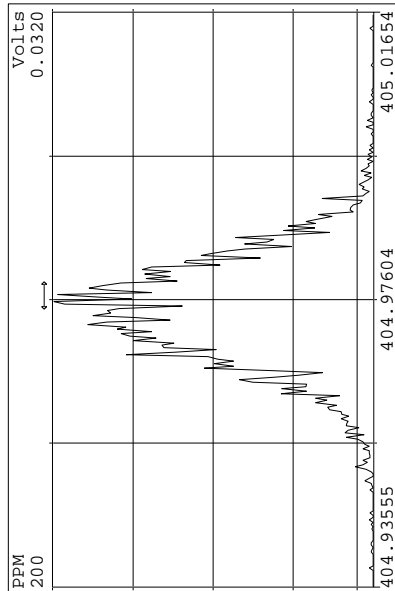
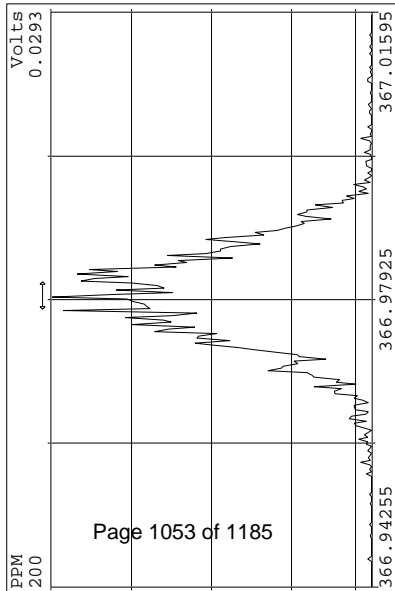
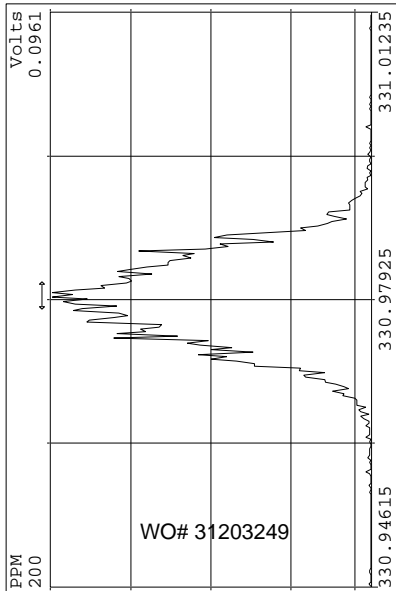


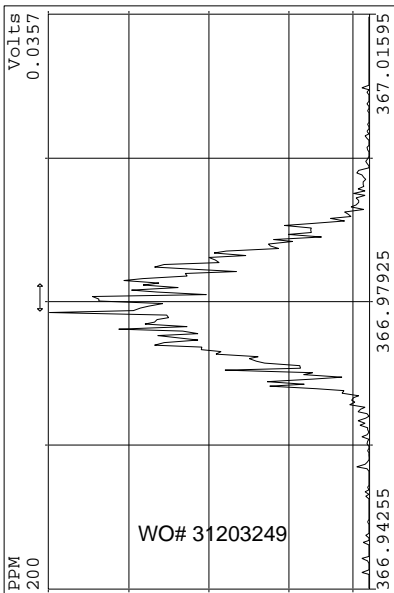




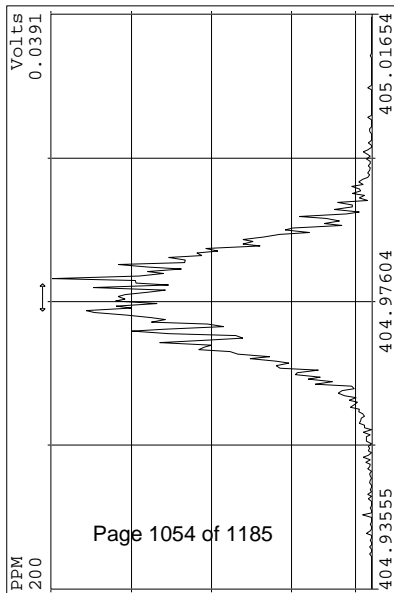




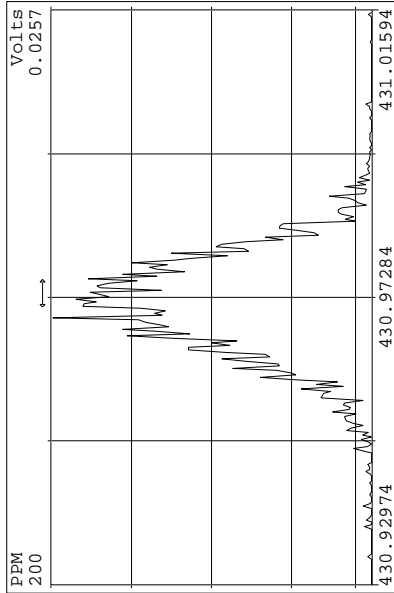
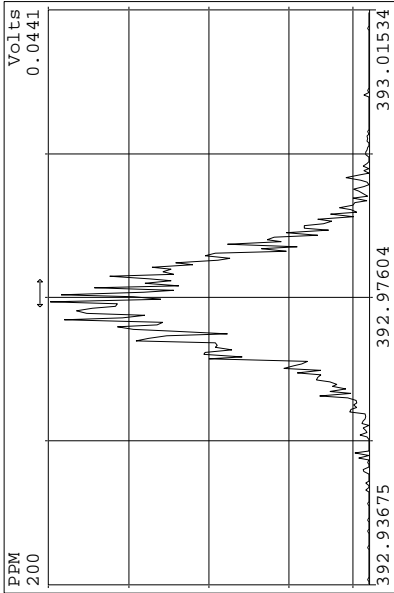
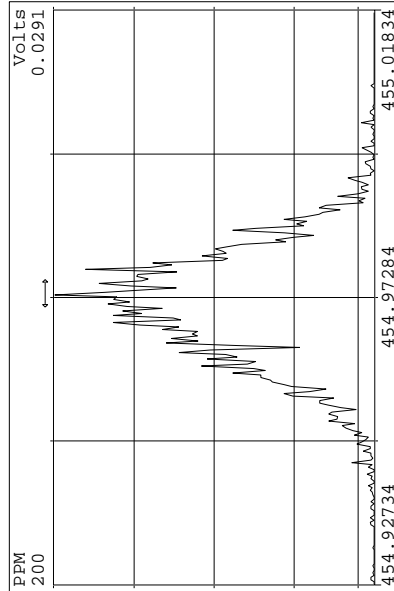
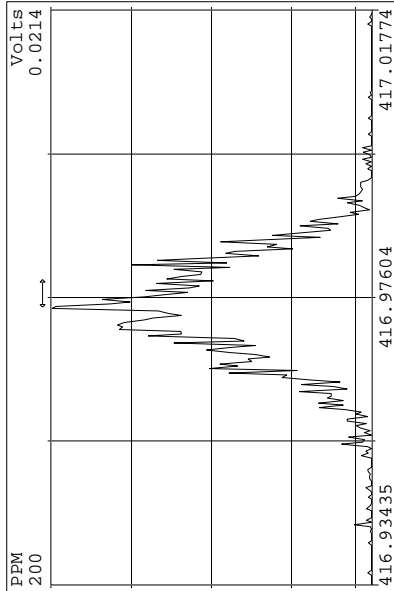
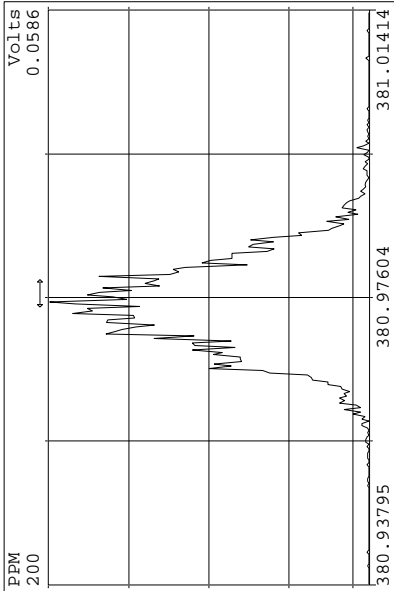


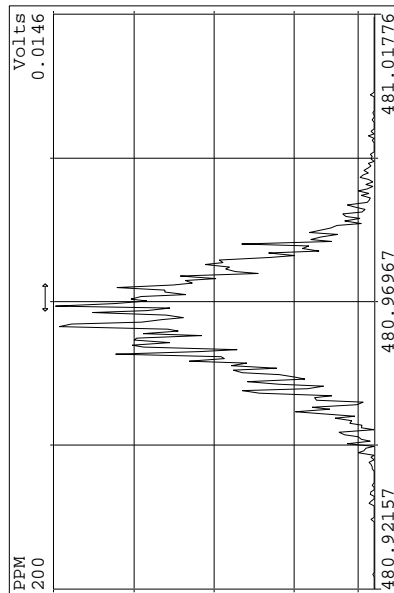
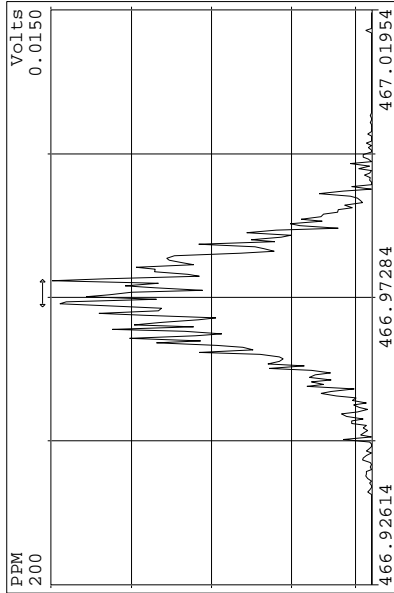
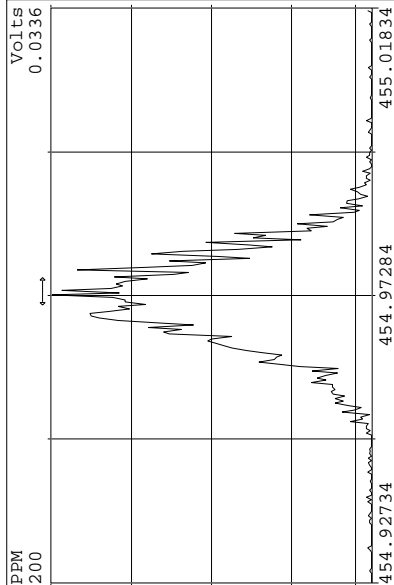
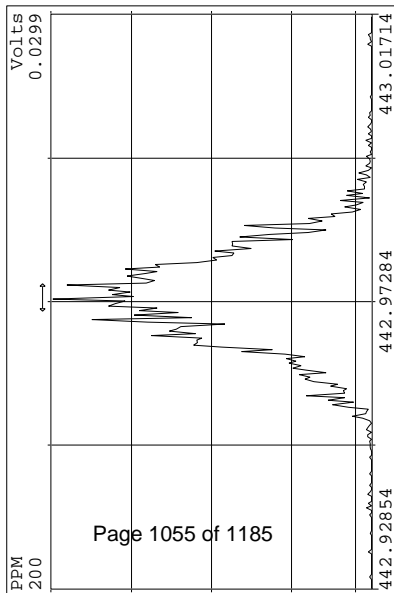
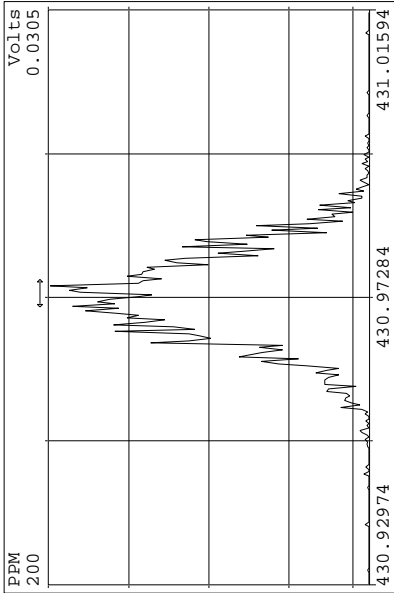
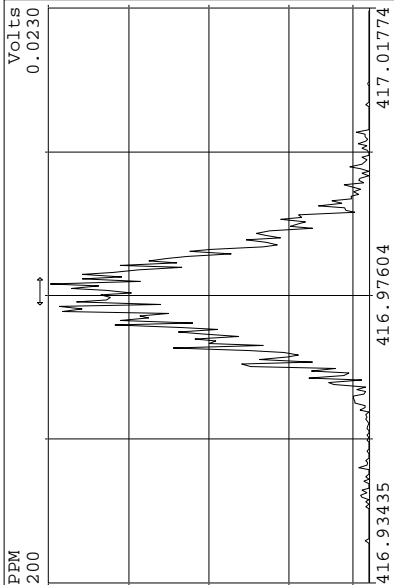
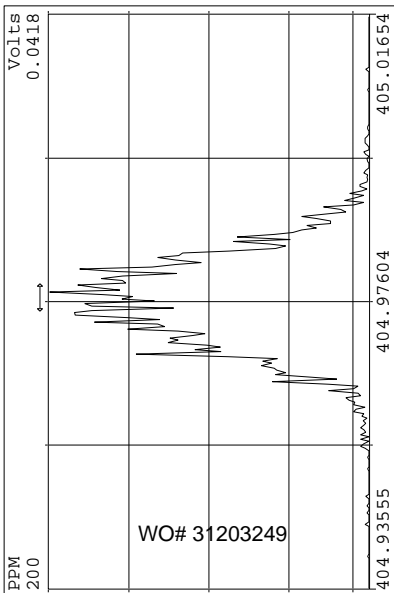


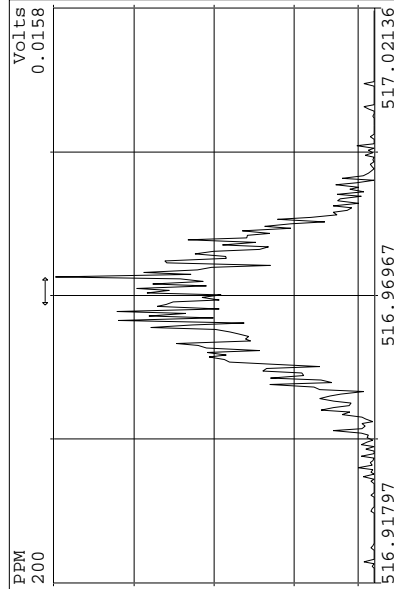
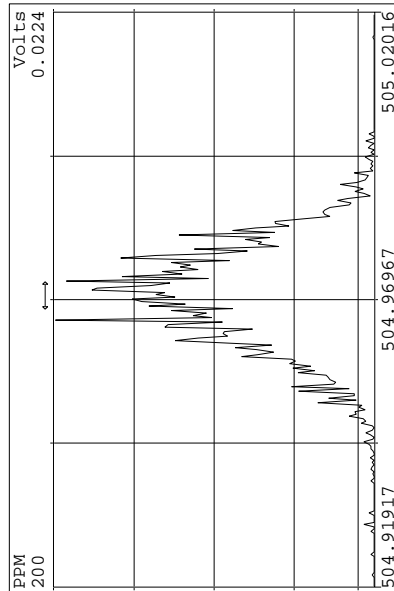
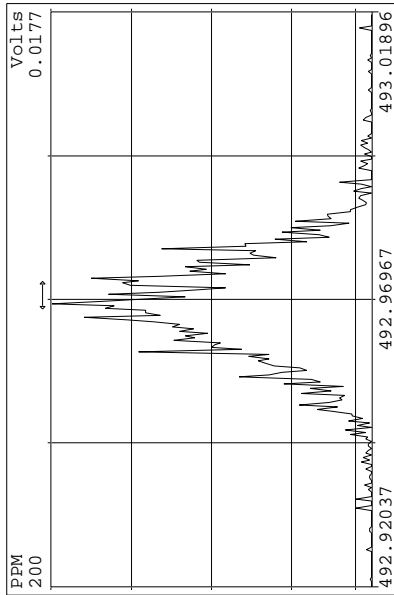
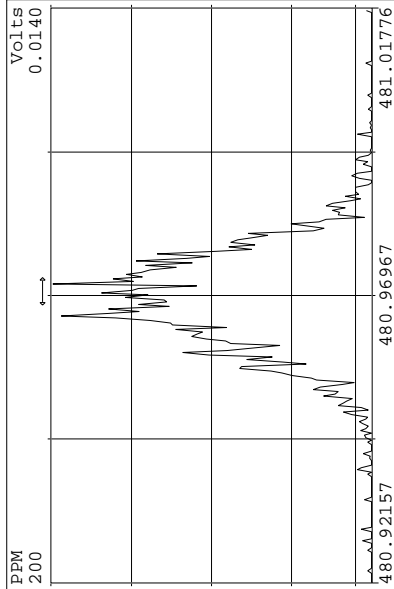
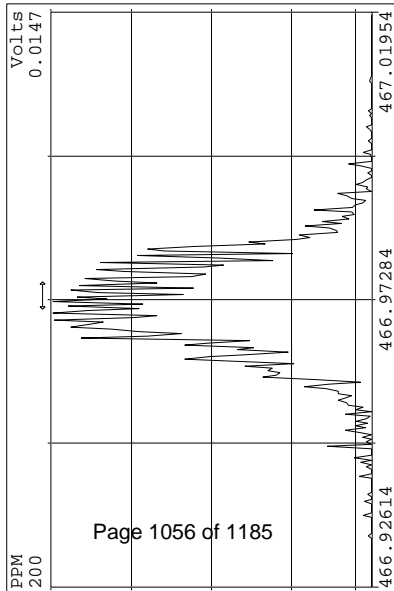
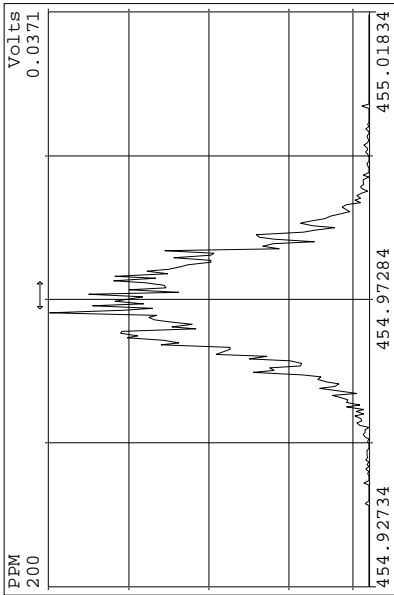
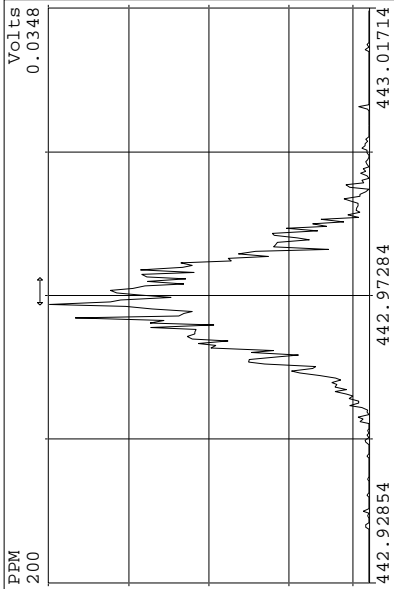
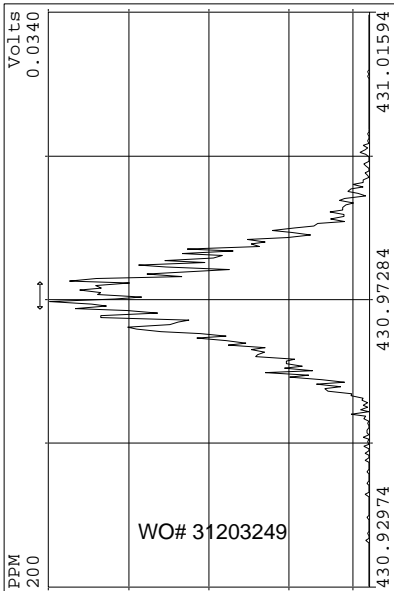
WO# 31203249



Page 1054 of 1185







SGS Analytical Perspectives — Run Log Project: A4722_10270_DF

Instrument: MM1 (AutoSpec-Ultima)				MS Experiment: DF_CL4-8B				GC Program: DB5MS_60M			
#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time		
1	121026P4-01	8	CS3_121026_DF_PA	1.00	S40-67B	MDC	531-236	27-OCT-2012	12:43:37		
3	121026P4-03	34	OPR1_10270_DF	1.00	0_10270_OPR001	MDC	700-387	27-OCT-2012	14:25:46		
4	121026P4-04	15	SBS_121026_DF_PE	1.00	solvent blank	MDC	481-904	27-OCT-2012	15:16:52		
6	121026P4-06	32	MB1_10270_DF_SDS	10.00	MB1_10270_DF_SDS	MDC	117-058	27-OCT-2012	16:59:02		
7	121026P4-07	35	A4722_10270_DF_003-R	10.23	JW-EA08-SS32-120507	MDC	745-552	27-OCT-2012	17:50:09		
10	121026P4-10	15	SBS_121026_DF_PF	1.00	solvent blank	MDC	104-025	27-OCT-2012	20:23:24		

REVIEWED

By Michael D H Chu at 9:09 am, Oct 28, 2012

REVIEWED

By Michael_Flournoy at 2:50 pm, 11/2/12

Dioxin/Furan QC Summary
 Lab ID: CS3_121026_DF_PA
 Sample ID: S40-67B

Acq'd: 27 Oct 2012 12:43 MDC
 UTP: 28-Oct-2012 08:36 MDC
 Report: 28 Oct 2012 08:37 MC

ICAL: 1613_SGS
 Checkcode: 531-236-QKZ
 Datafile: 121026P4-01

Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.52	1.95E+07	0.78	Y	1.08	1.13	4%
12378-PeCDD	33.83	7.39E+07	1.57	Y	1.07	1.04	-3%
123478-HxCDD	38.48	7.21E+07	1.24	Y	1.05	1.04	-1%
123678-HxCDD	38.62	7.66E+07	1.24	Y	0.98	0.94	-4%
123789-HxCDD	38.96	7.34E+07	1.24	Y	1.01	0.97	-4%
1234678-HpCDD	42.64	6.37E+07	1.04	Y	1.09	1.04	-4%
OCDD	46.39	1.13E+08	0.90	Y	1.11	1.04	-6%
2378-TCDF	26.52	2.67E+07	0.78	Y	0.98	0.96	-2%
12378-PeCDF	32.10	1.18E+08	1.52	Y	0.99	0.98	-1%
23478-PeCDF	33.42	1.18E+08	1.51	Y	1.02	1.00	-1%
123478-HxCDF	37.32	1.02E+08	1.24	Y	1.19	1.13	-5%
123678-HxCDF	37.48	1.10E+08	1.24	Y	1.16	1.11	-4%
234678-HxCDF	38.26	1.08E+08	1.25	Y	1.18	1.20	2%
123789-HxCDF	39.38	9.57E+07	1.24	Y	1.09	1.05	-3%
1234678-HpCDF	41.37	9.73E+07	1.01	Y	1.35	1.28	-5%
1234789-HpCDF	43.25	8.07E+07	1.03	Y	1.34	1.34	0%
OCDF	46.64	1.38E+08	0.90	Y	1.40	1.27	-9%
ES 2378-TCDD	27.50	1.73E+08	0.78	Y	1.04	1.01	-3%
ES 12378-PeCDD	33.81	1.42E+08	1.59	Y	0.87	0.83	-4%
ES 123478-HxCDD	38.46	1.39E+08	1.27	Y	0.94	0.98	4%
ES 123678-HxCDD	38.60	1.63E+08	1.26	Y	1.06	1.14	8%
ES 1234678-HpCDD	42.63	1.22E+08	1.06	Y	0.80	0.86	8%
ES OCDD	46.38	2.17E+08	0.90	Y	0.63	0.76	21%
ES 2378-TCDF	26.49	2.78E+08	0.79	Y	1.74	1.63	-6%
ES 12378-PeCDF	32.08	2.41E+08	1.57	Y	1.49	1.41	-5%
ES 23478-PeCDF	33.40	2.34E+08	1.56	Y	1.48	1.37	-7%
ES 123478-HxCDF	37.30	1.80E+08	0.52	Y	1.27	1.26	-1%
ES 123678-HxCDF	37.46	1.98E+08	0.53	Y	1.41	1.39	-1%
ES 234678-HxCDF	38.25	1.81E+08	0.52	Y	1.34	1.27	-5%
ES 123789-HxCDF	39.37	1.82E+08	0.53	Y	1.20	1.28	6%
ES 1234678-HpCDF	41.36	1.52E+08	0.44	Y	1.06	1.07	1%
ES 1234789-HpCDF	43.23	1.21E+08	0.45	Y	0.82	0.85	3%

METHOD 1613

PCDD/F CALIBRATION VERIFICATION

FORM 4A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: 1613_SGS
 Instrument ID: MM1
 VER Data Filename: 121026P4-01

GC Column ID: ZB-5ms
 Analysis Date: 27-OCT-2012 12:43:37

NATIVE ANALYTES	M/Z's	FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2		0.78	0.65 - 0.89	Y	10.4	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4		1.57	1.32 - 1.78	Y	48.5	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4		1.24	1.05 - 1.43	Y	49.4	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4		1.24	1.05 - 1.43	Y	47.9	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4		1.24	1.05 - 1.43	Y	48.2	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4		1.04	0.88 - 1.20	Y	47.9	43 - 58	Y
OCDD	M+2/M+4		0.90	0.76 - 1.02	Y	93.8	79 - 126	Y
2,3,7,8-TCDF	M/M+2		0.78	0.65 - 0.89	Y	9.82	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4		1.52	1.32 - 1.78	Y	49.4	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4		1.51	1.32 - 1.78	Y	49.4	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4		1.24	1.05 - 1.43	Y	47.7	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4		1.24	1.05 - 1.43	Y	48	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4		1.25	1.05 - 1.43	Y	51	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4		1.24	1.05 - 1.43	Y	48.4	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4		1.01	0.88 - 1.20	Y	47.3	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4		1.03	0.88 - 1.20	Y	50	43 - 58	Y
OCDF	M+2/M+4		0.90	0.76 - 1.02	Y	90.9	63 - 159	Y

See Table 9, Method 1613, for m/z specifications.

Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

Contract-required concentration range as specified in Table 6, Method 1613.

Processed: 28 Oct 2012 08:37 Analyst: MC

METHOD 1613

PCDD/F CALIBRATION VERIFICATION

FORM 4B

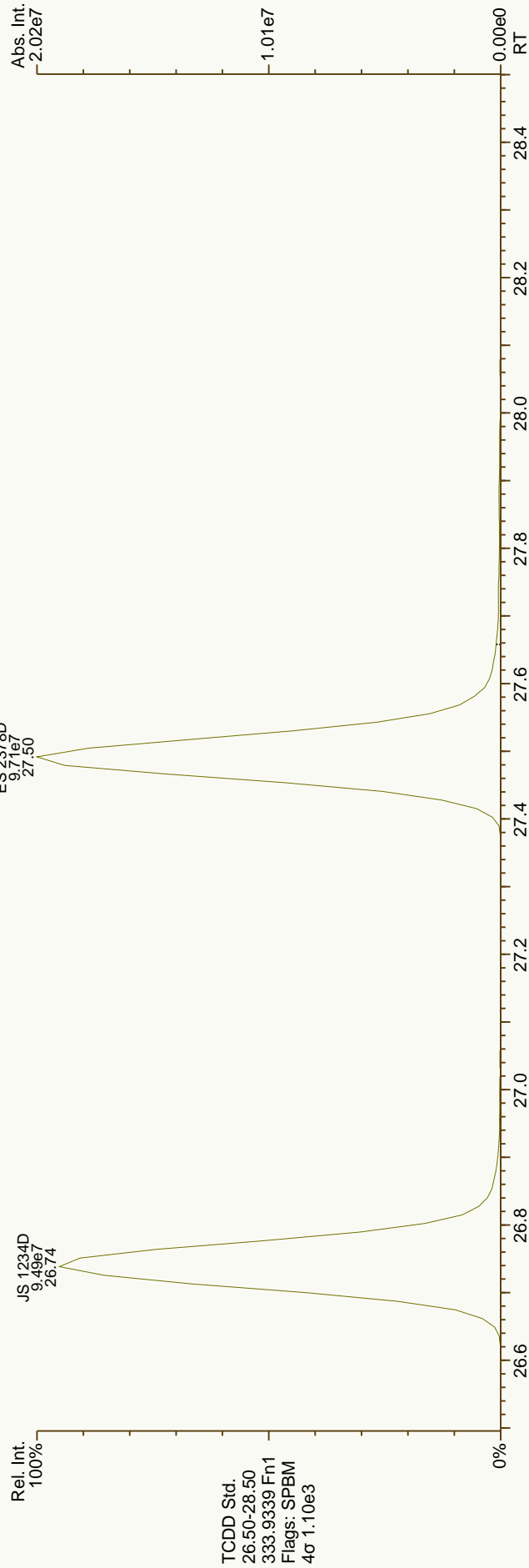
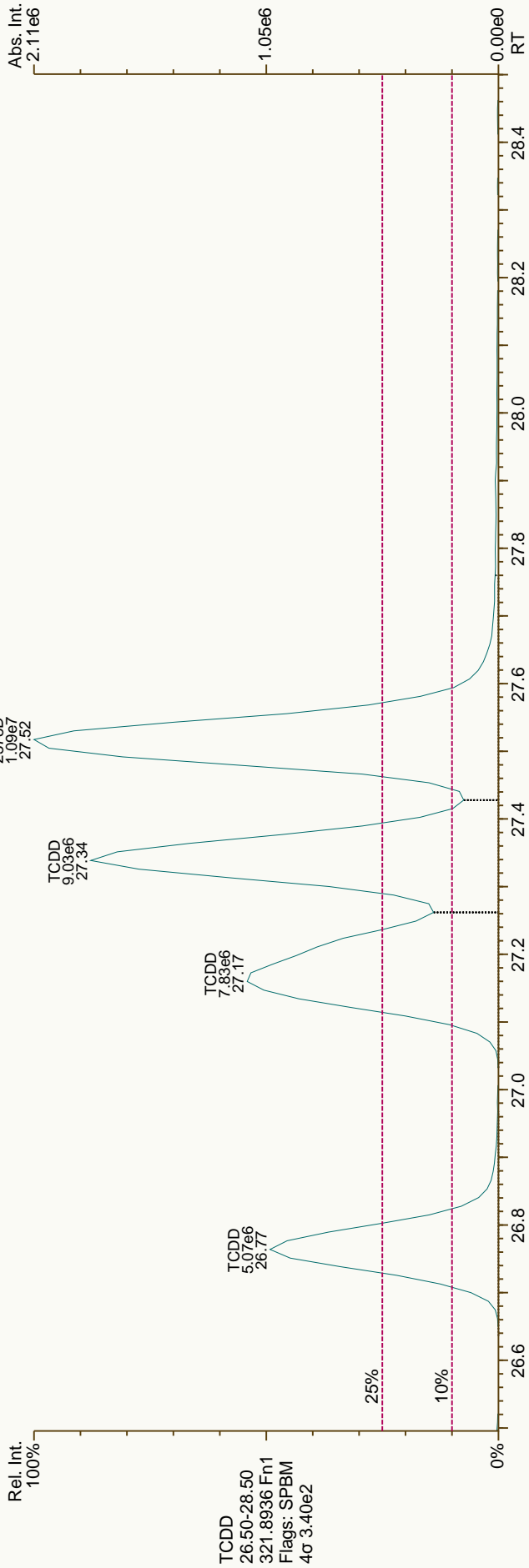
Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: 1613_SGS
 Instrument ID: MM1
 VER Data Filename: 121026P4-01
 GC Column ID: ZB-5ms
 Analysis Date: 27-OCT-2012 12:43:37

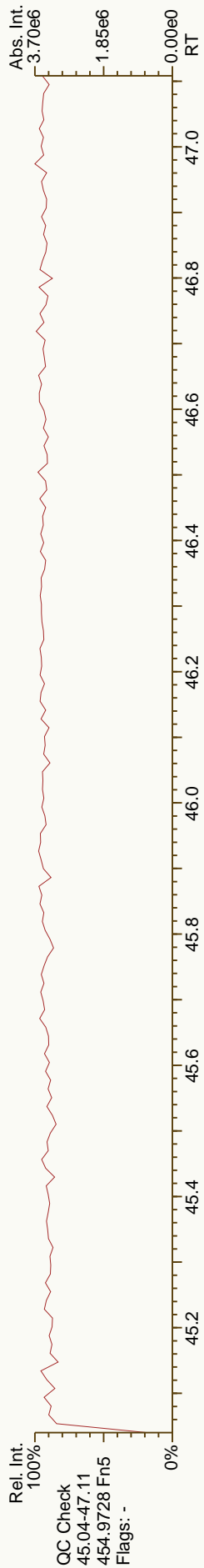
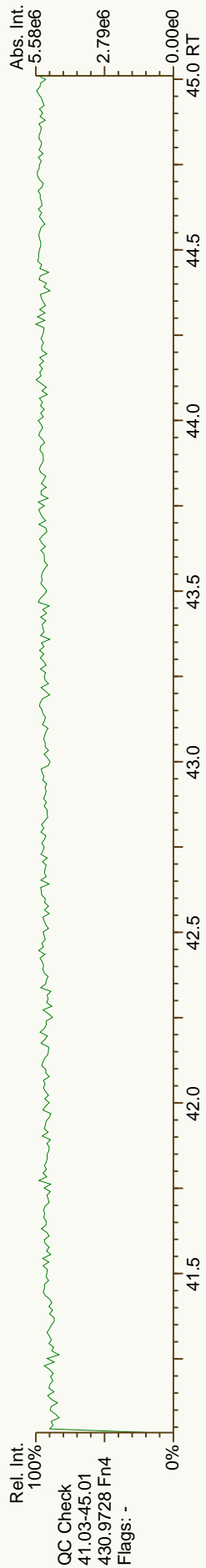
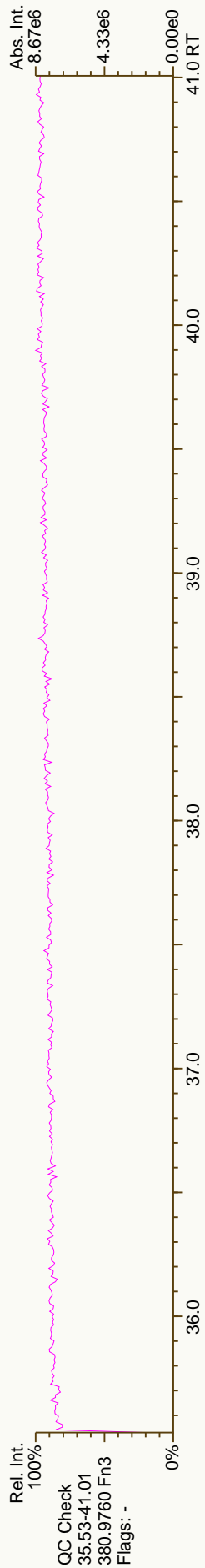
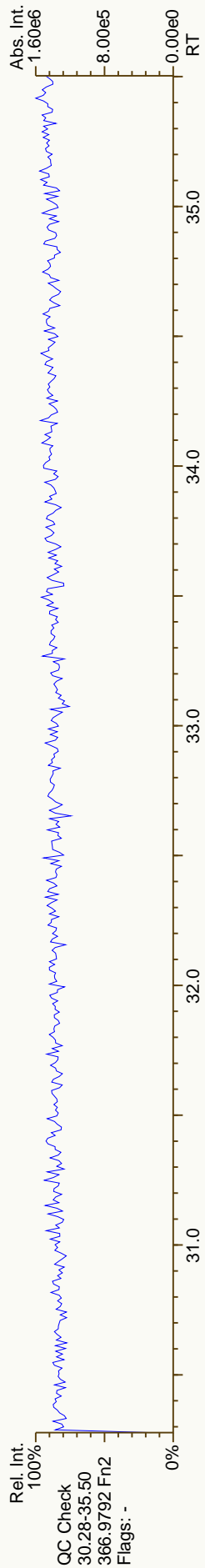
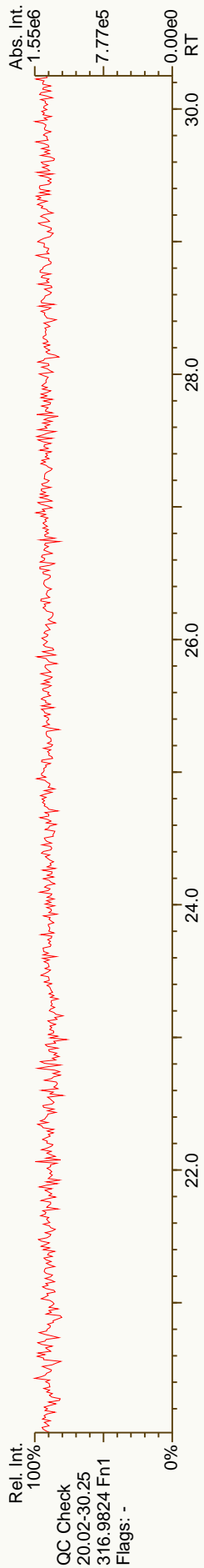
LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.78	0.65 - 0.89	Y	97.2	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.59	1.32 - 1.78	Y	95.9	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	104	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	108	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.06	0.88 - 1.20	Y	108	72 - 138	Y
13C-OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	242	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.79	0.65 - 0.89	Y	93.9	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.57	1.32 - 1.78	Y	94.6	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.56	1.32 - 1.78	Y	92.7	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	99.2	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	98.8	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	94.8	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	106	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.44	0.37 - 0.51	Y	101	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	103	77 - 129	Y

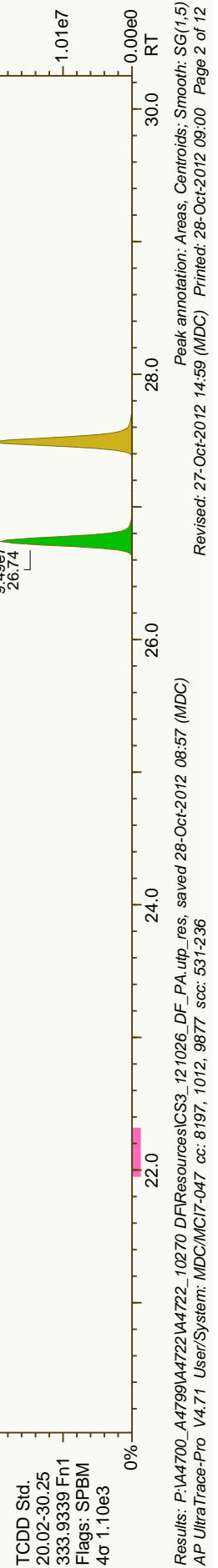
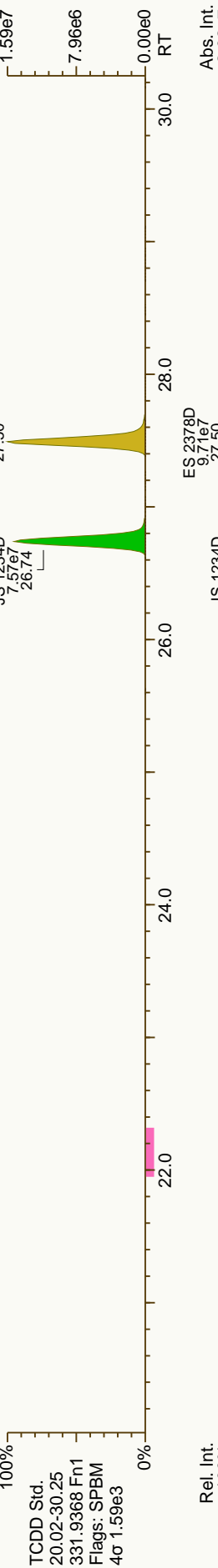
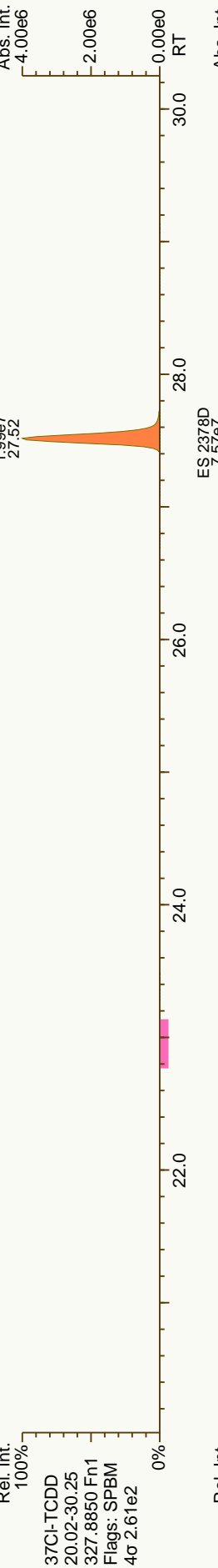
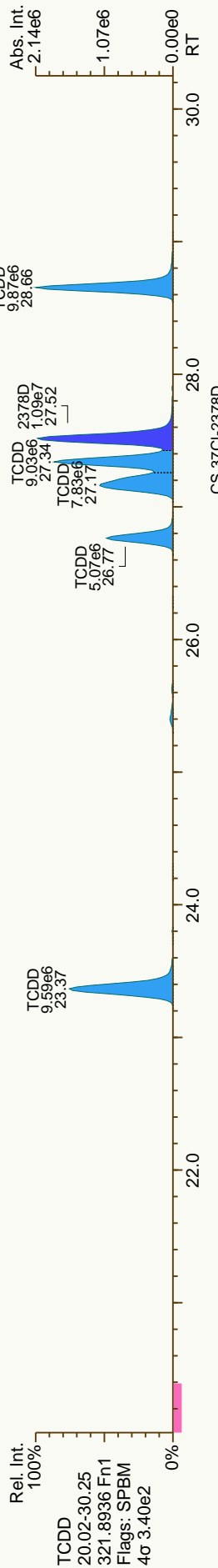
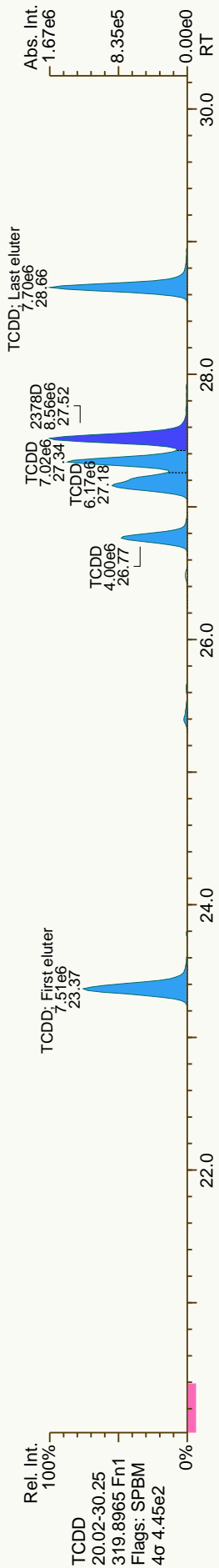
CLEANUP STANDARDS

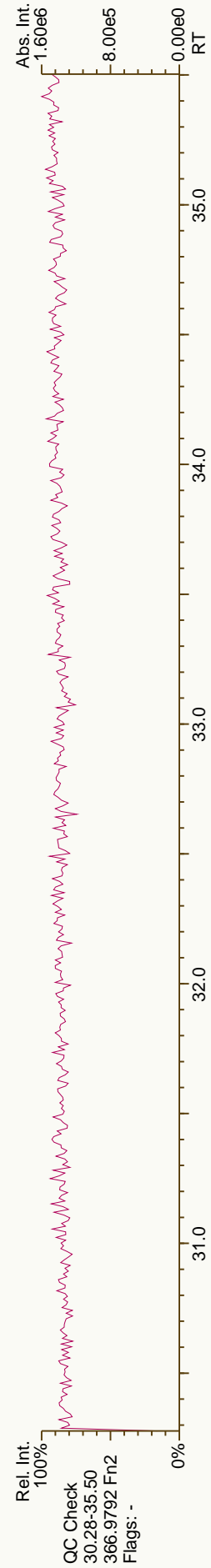
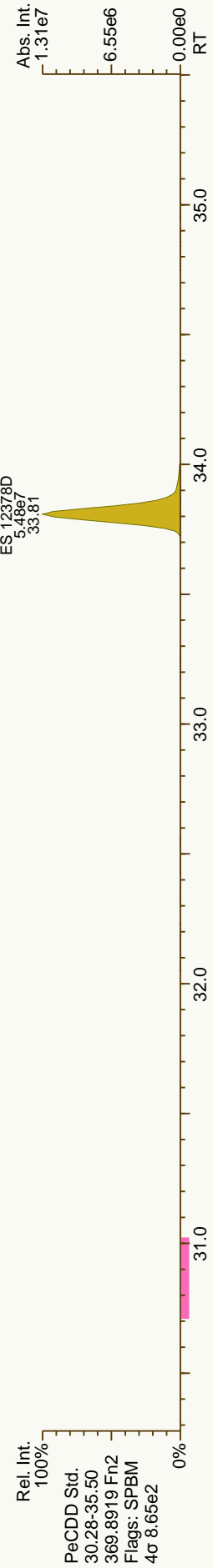
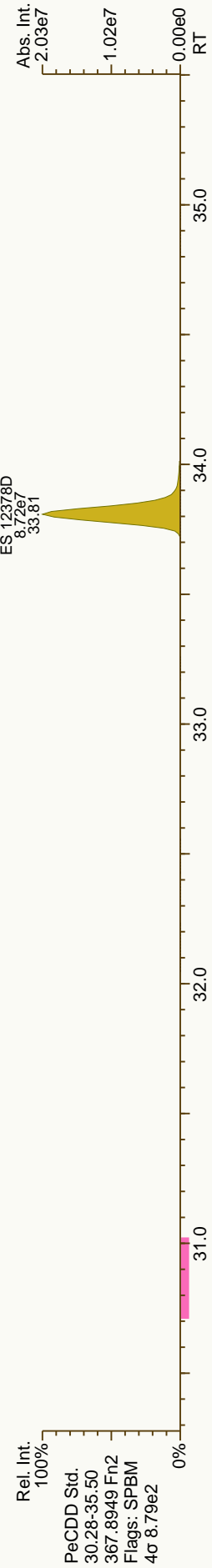
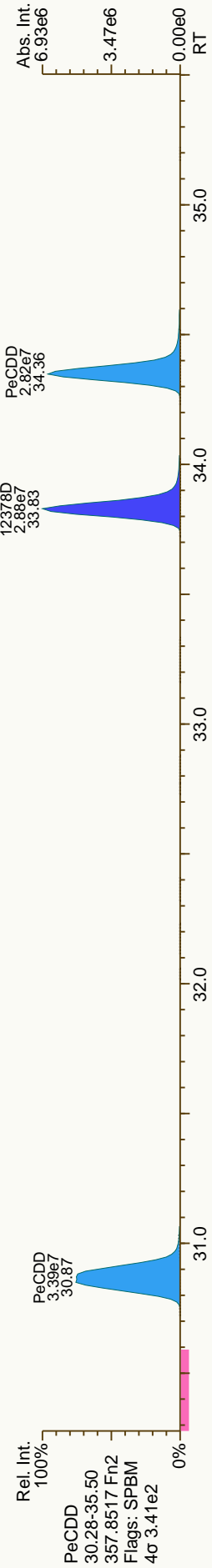
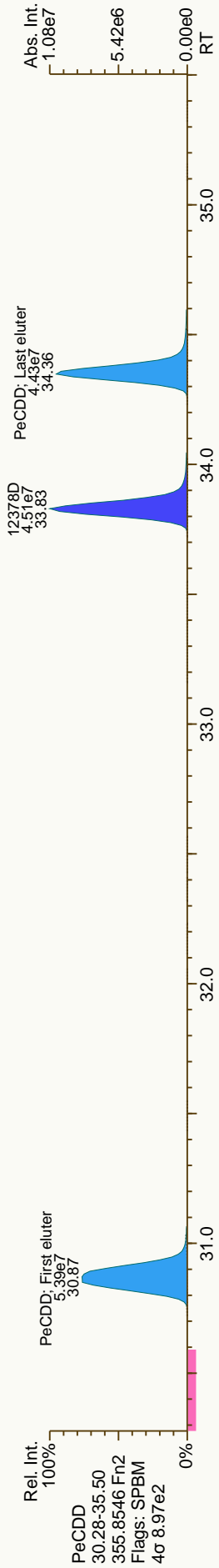
37Cl-2,3,7,8-TCDD n/a 9.95 7.9 - 12.7 Y

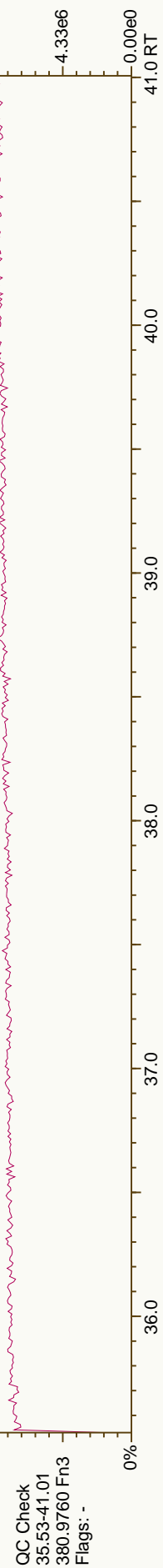
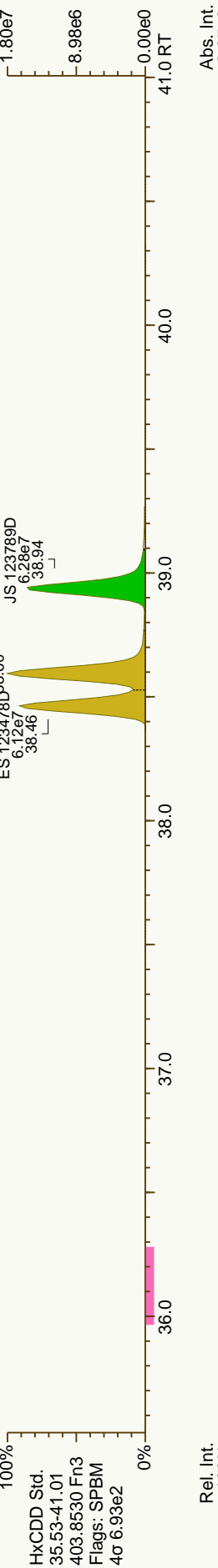
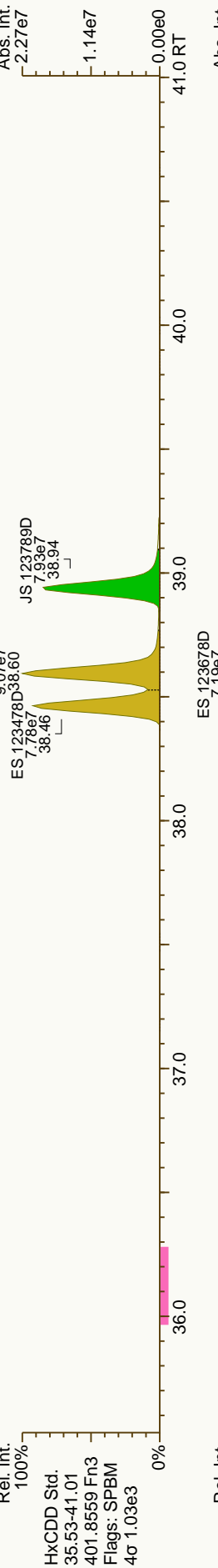
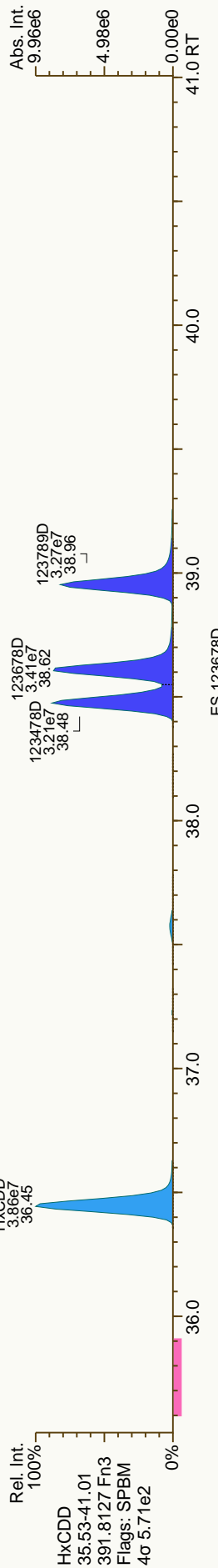
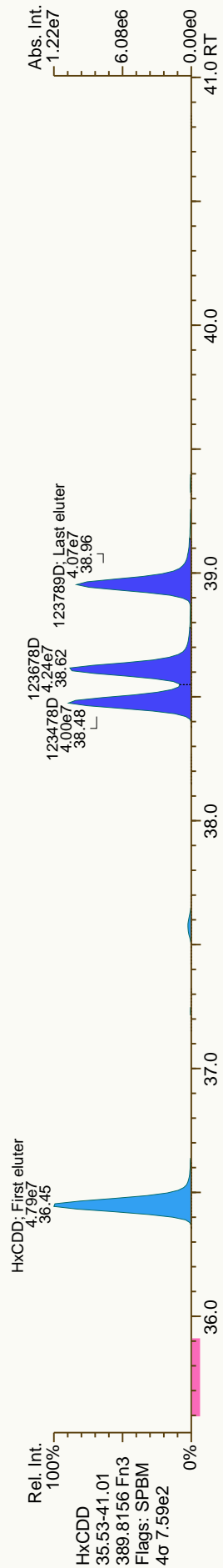
Processed: 28 Oct 2012 08:37 Analyst: MC

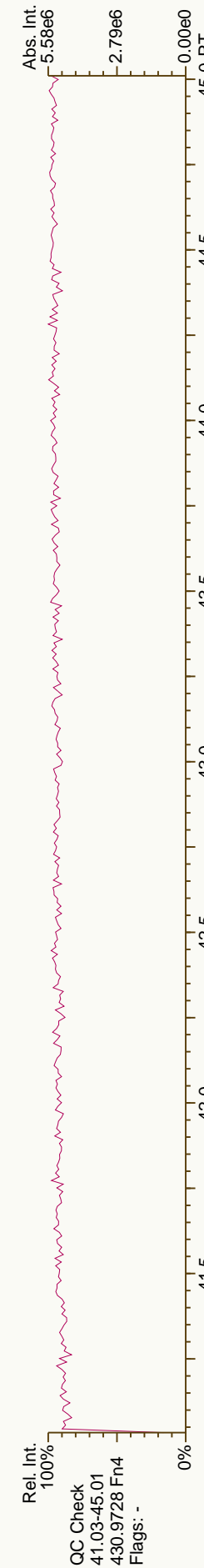
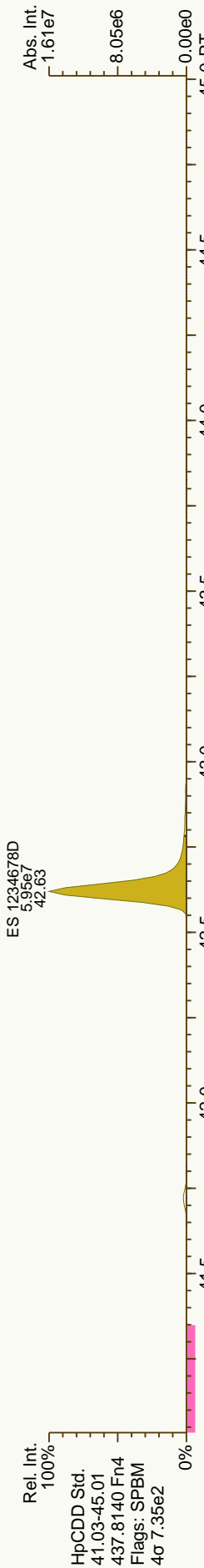
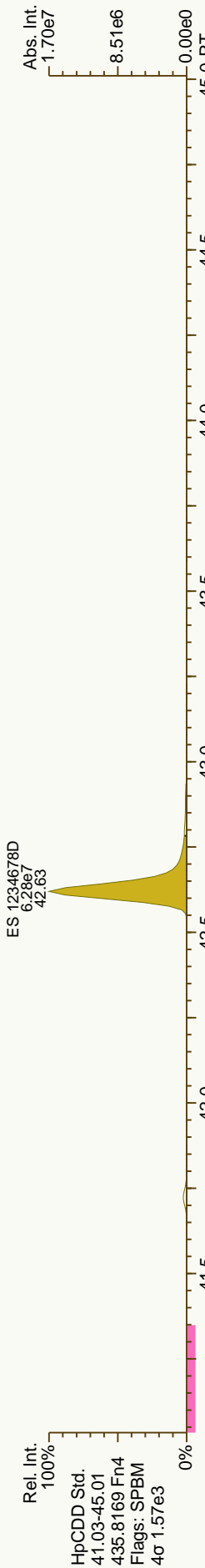
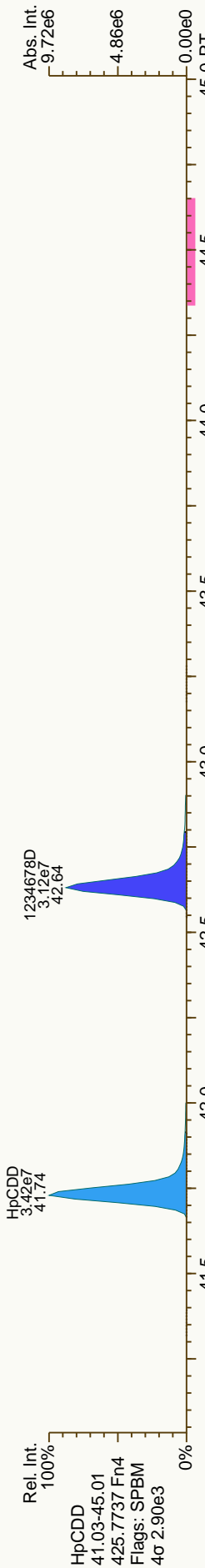
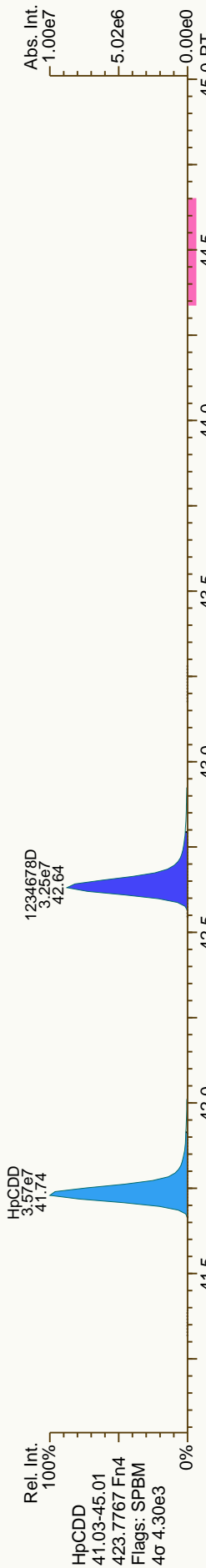


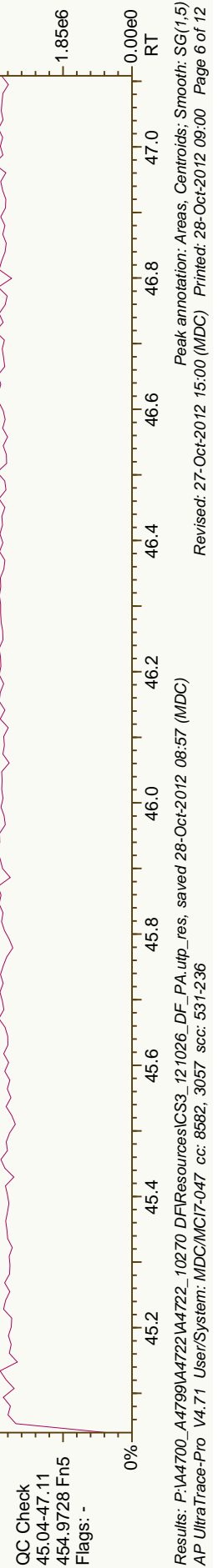
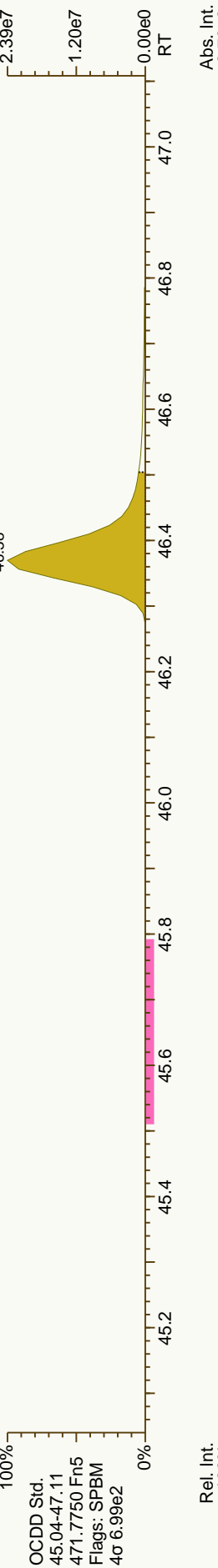
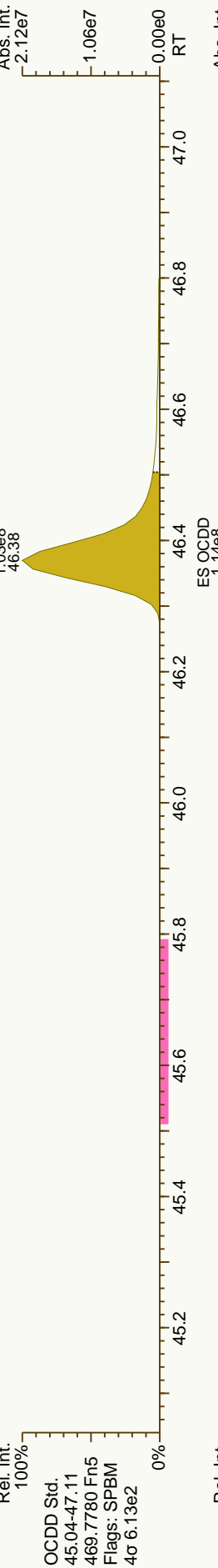
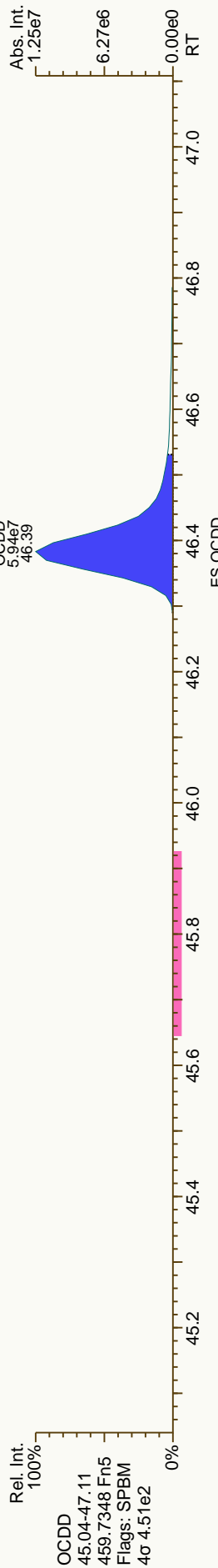
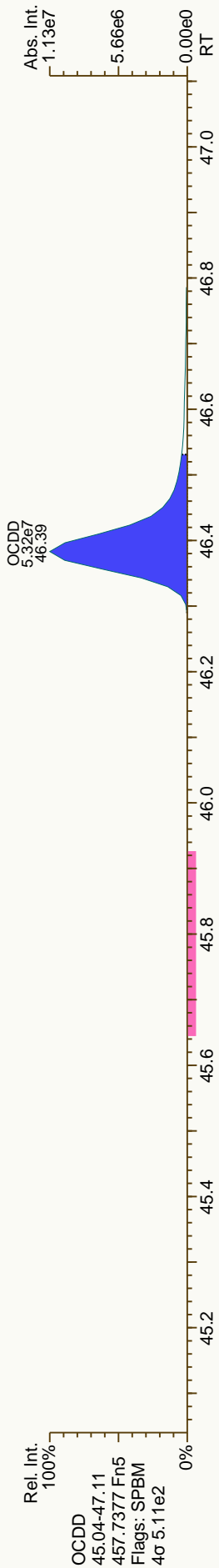


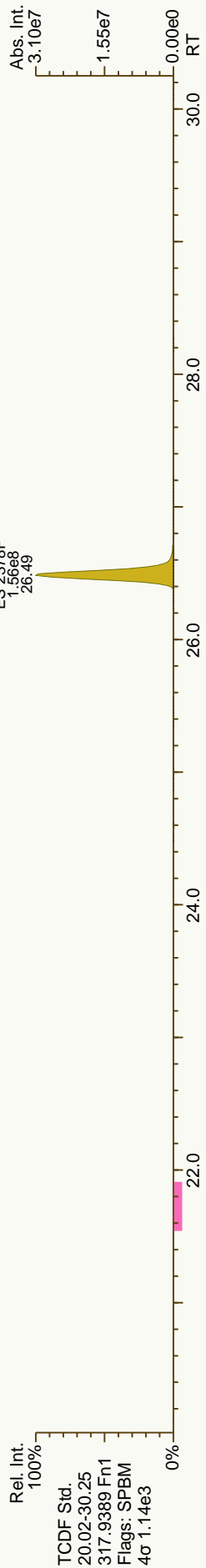
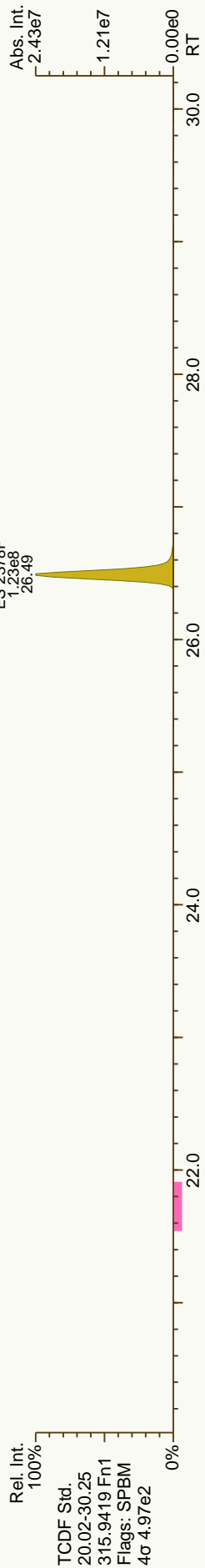
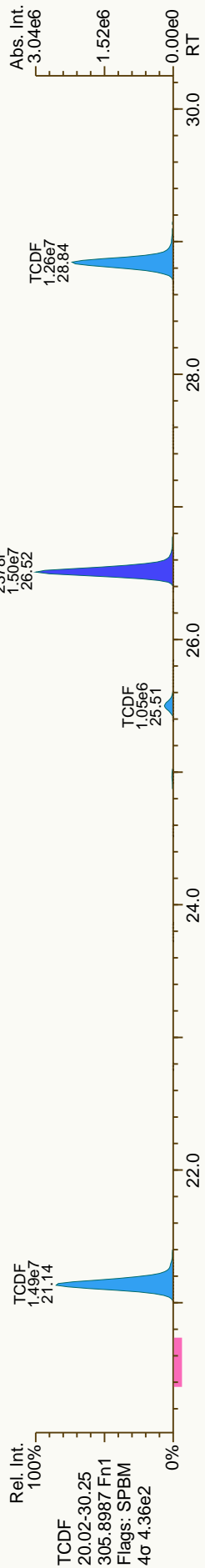
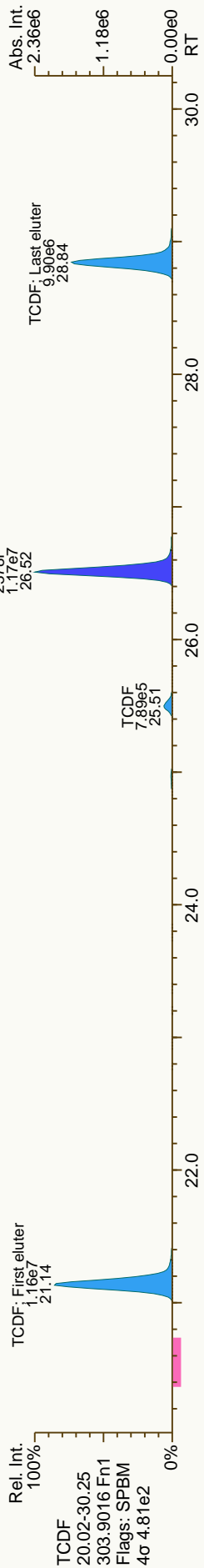


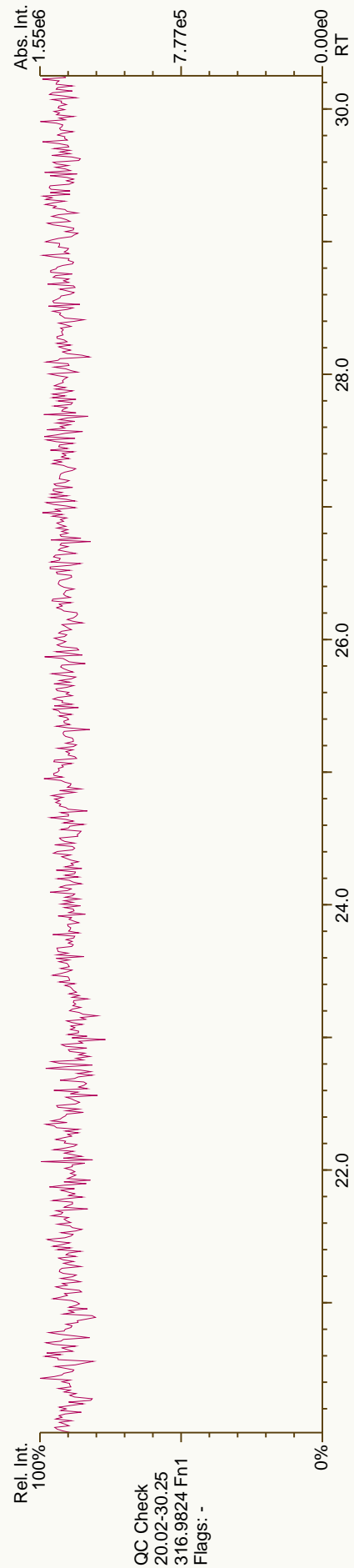
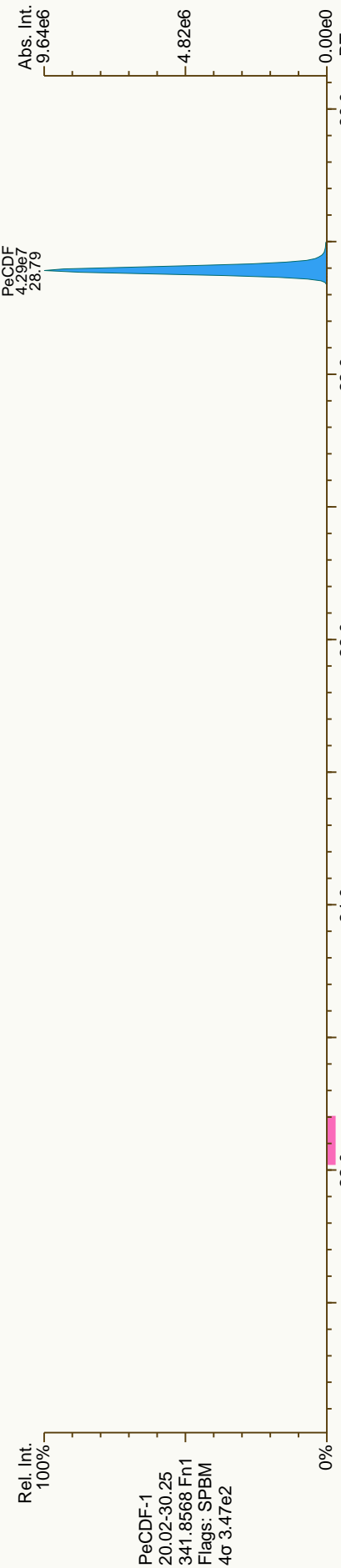
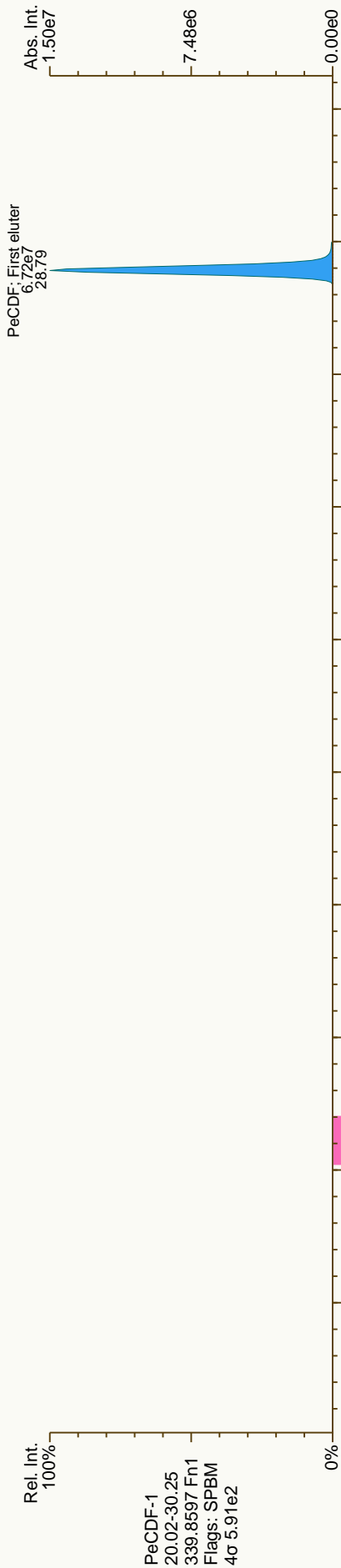


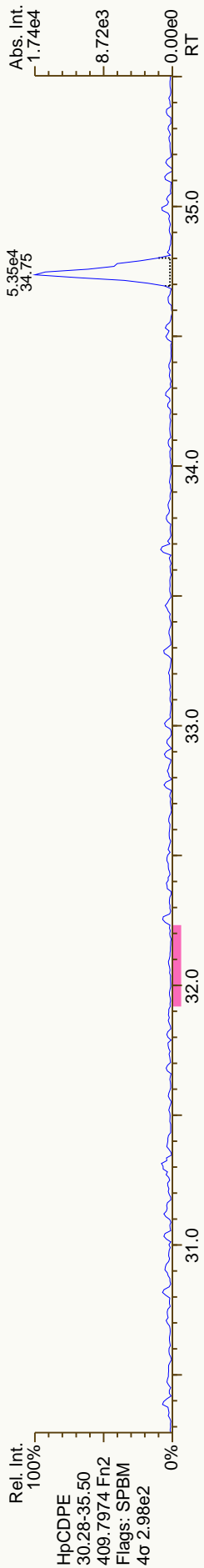
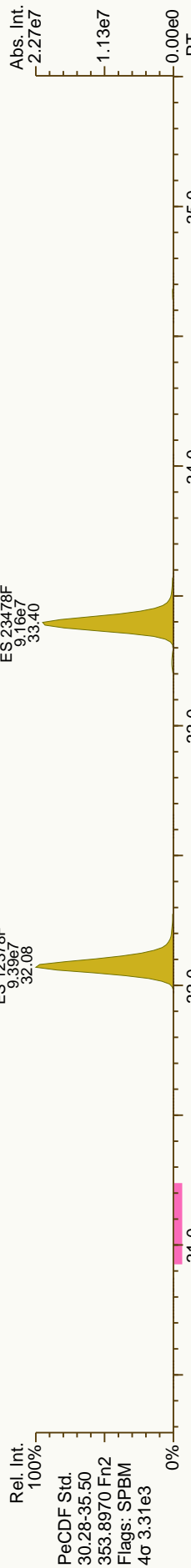
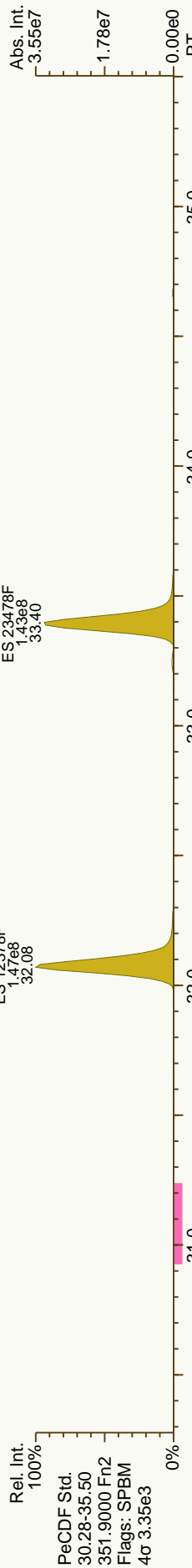
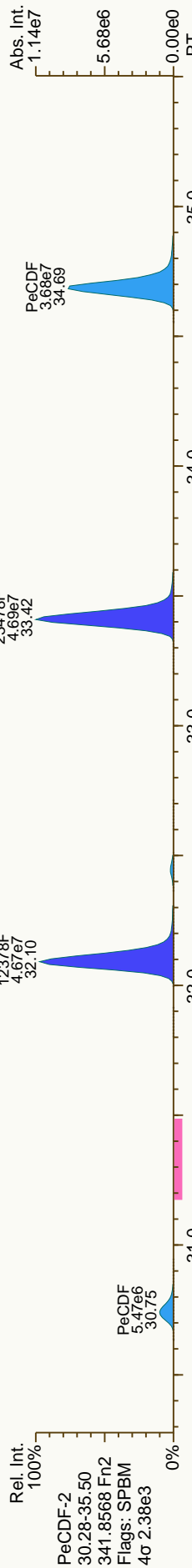
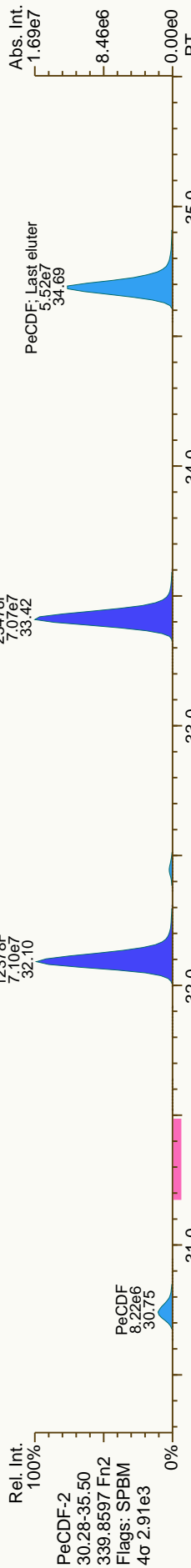


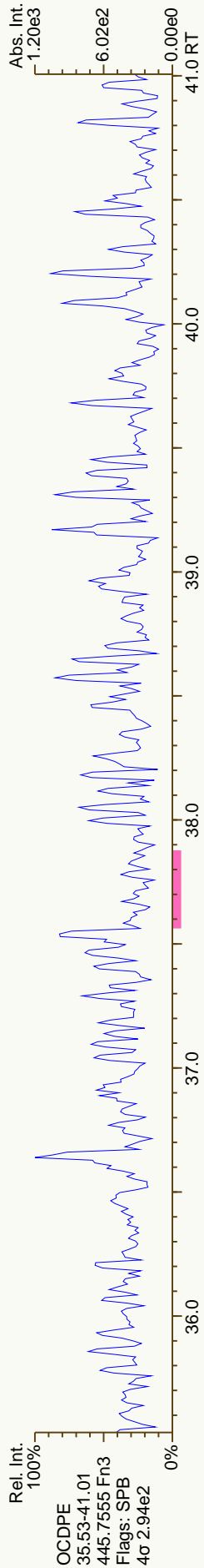
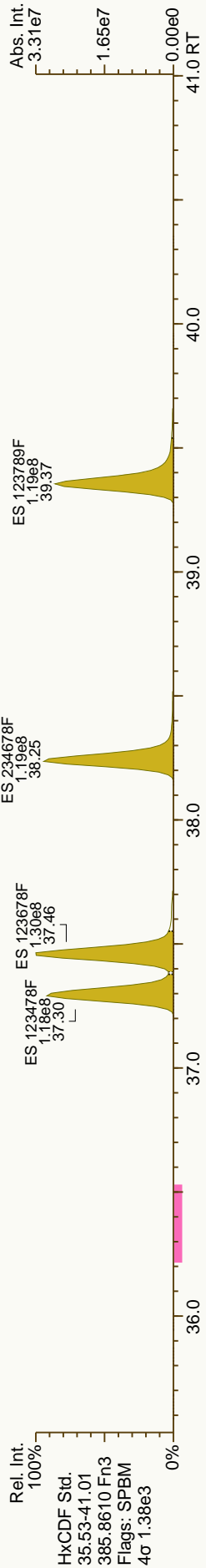
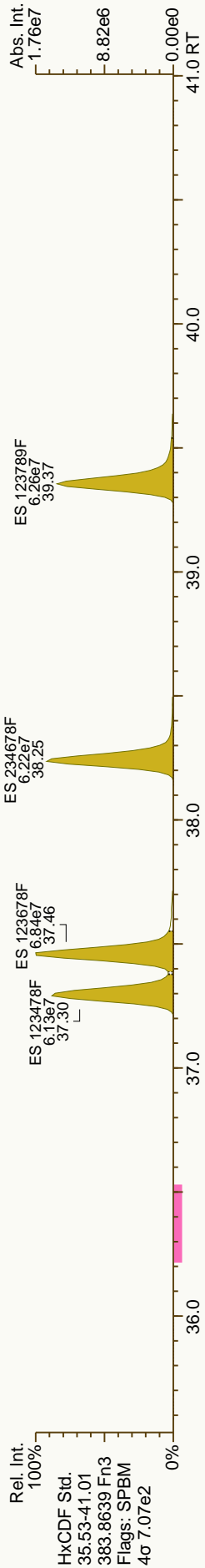
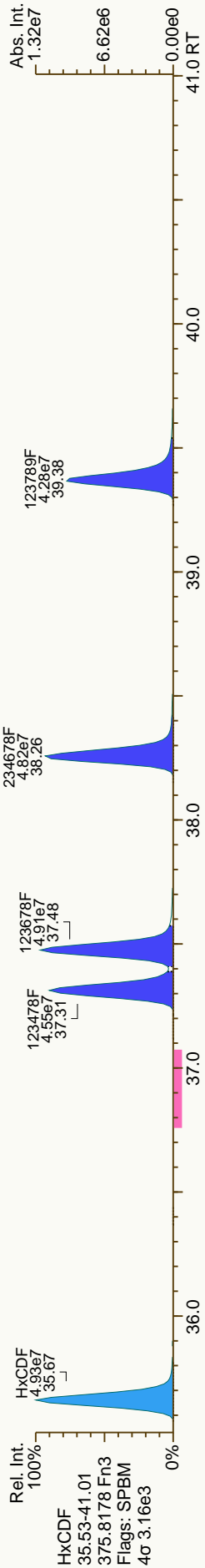
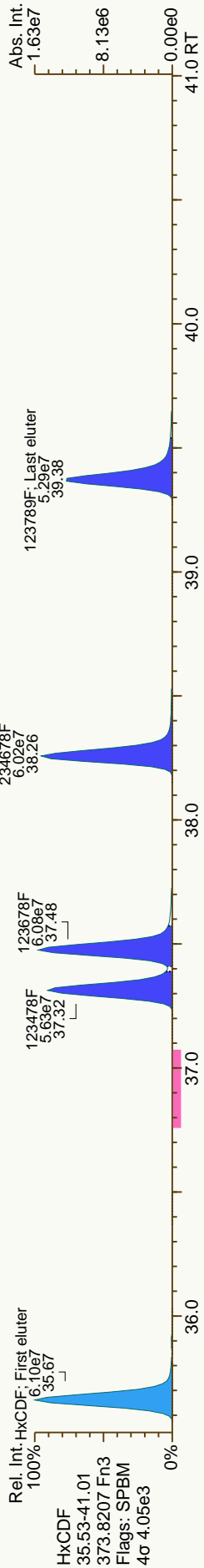


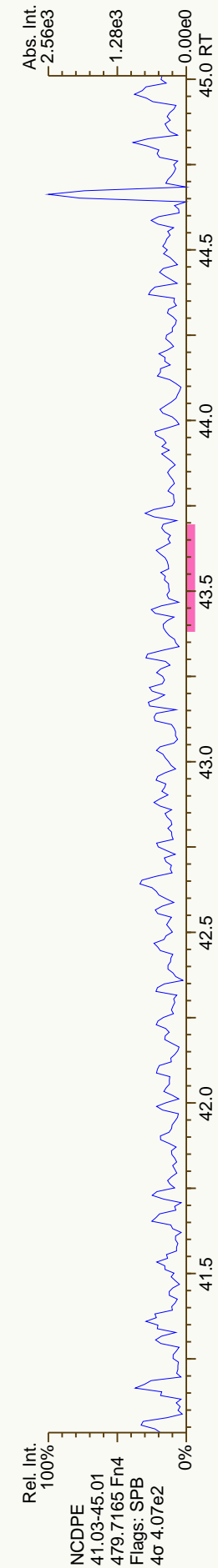
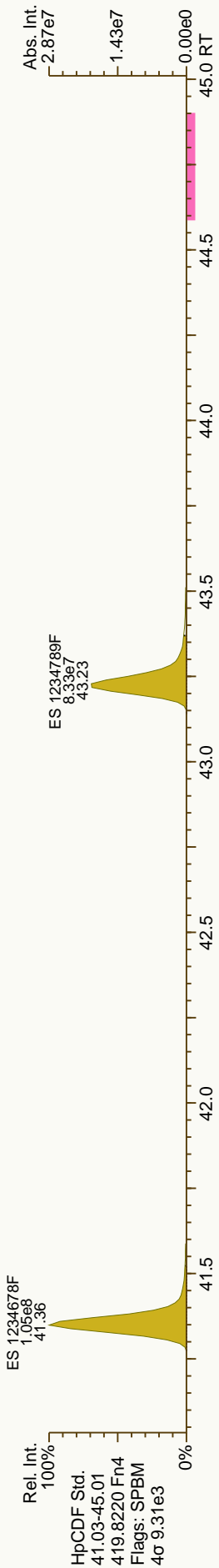
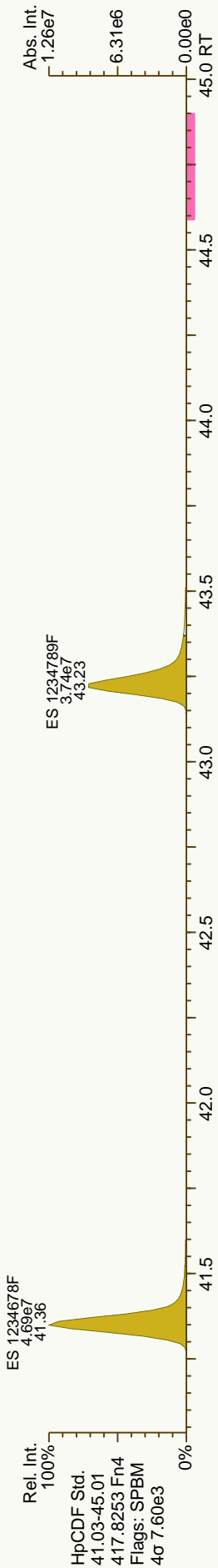
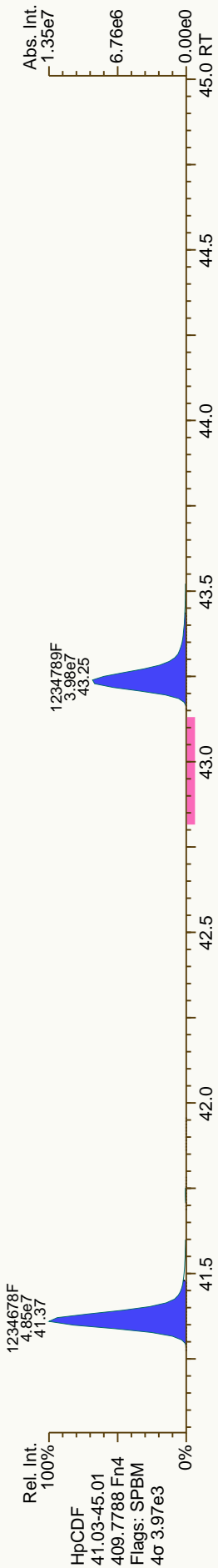
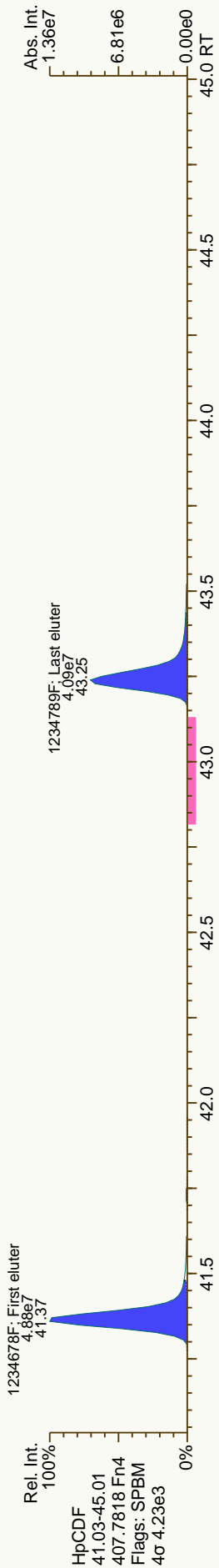


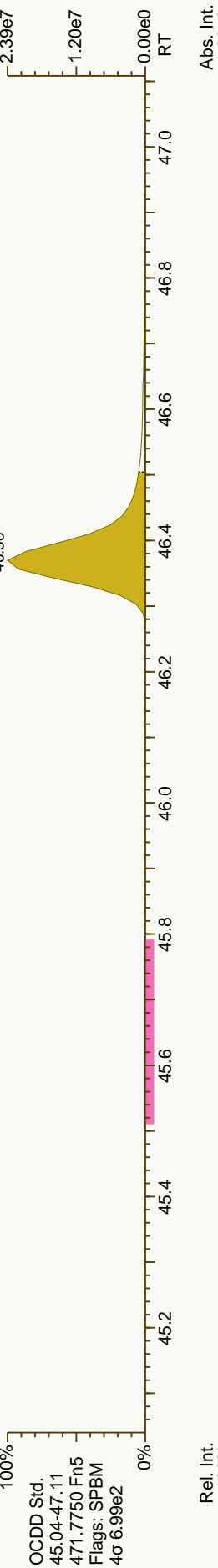
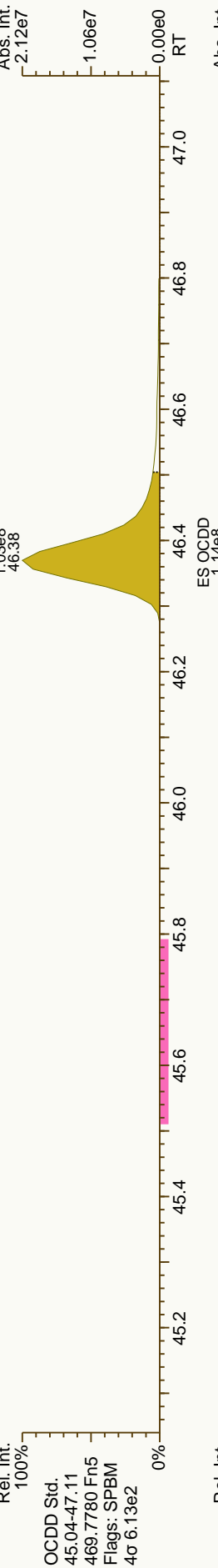
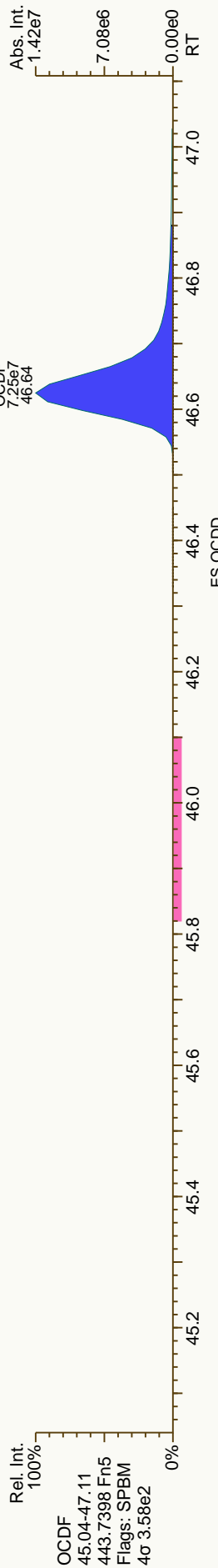
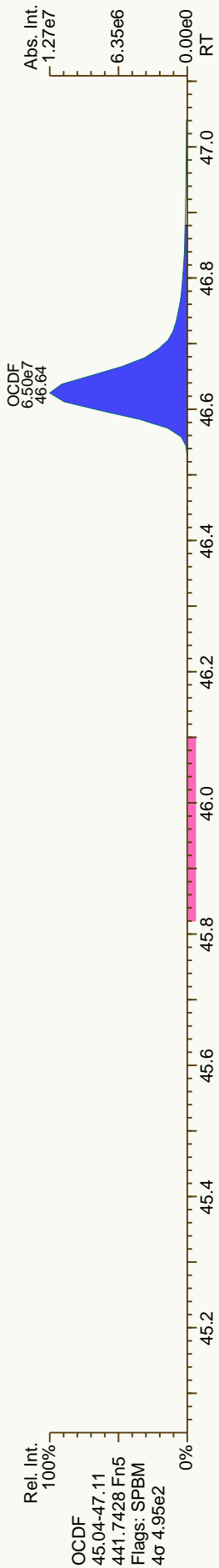


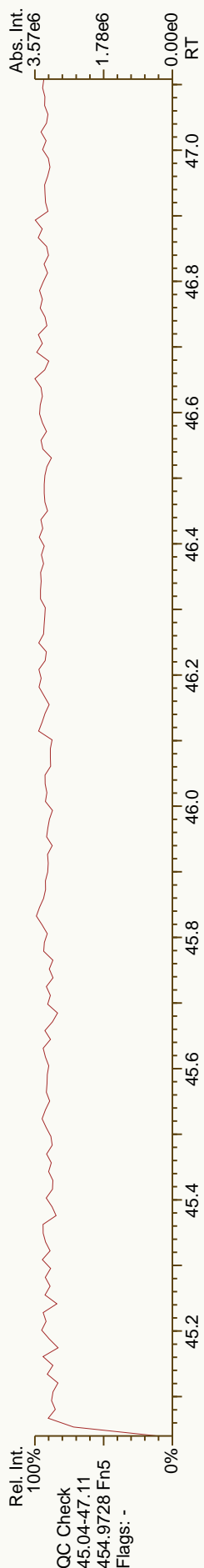
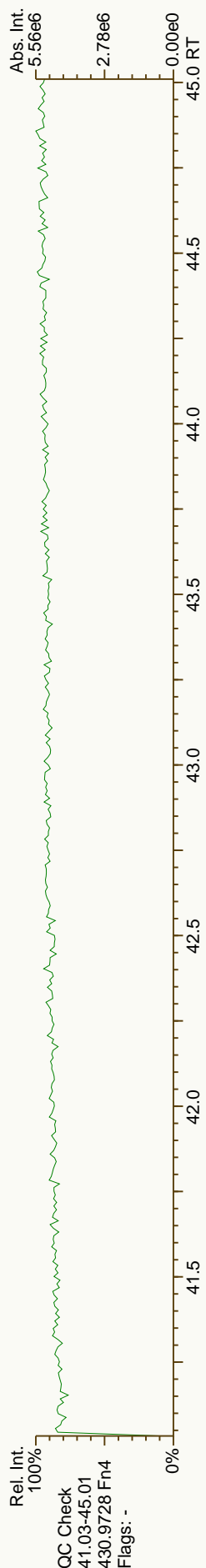
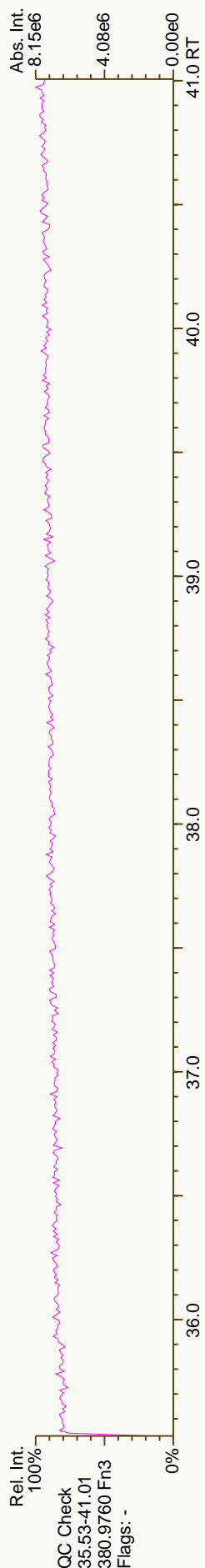
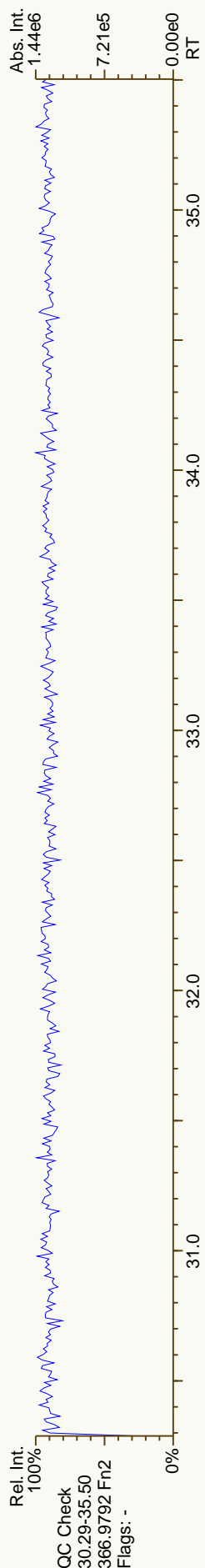
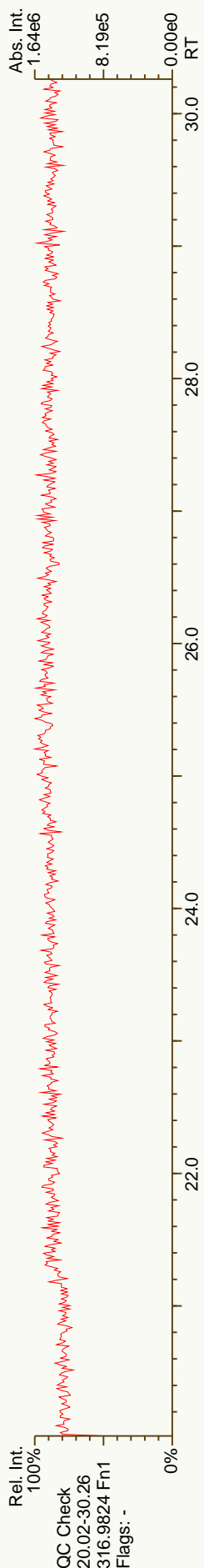


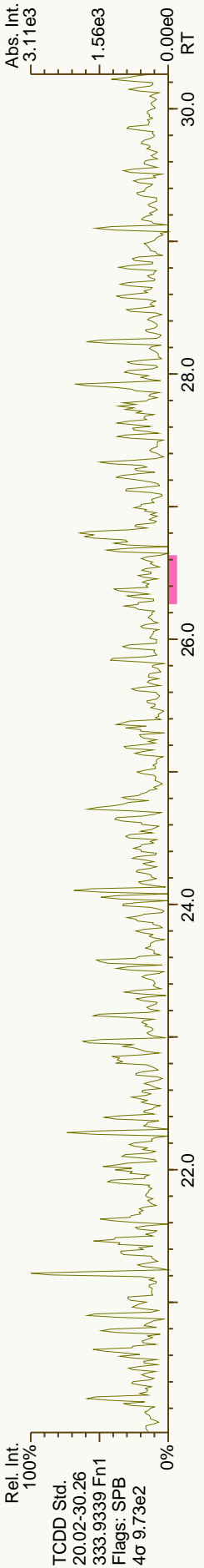
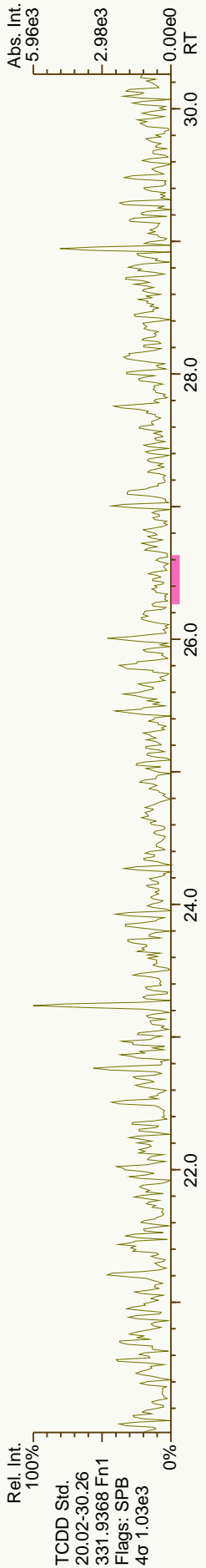
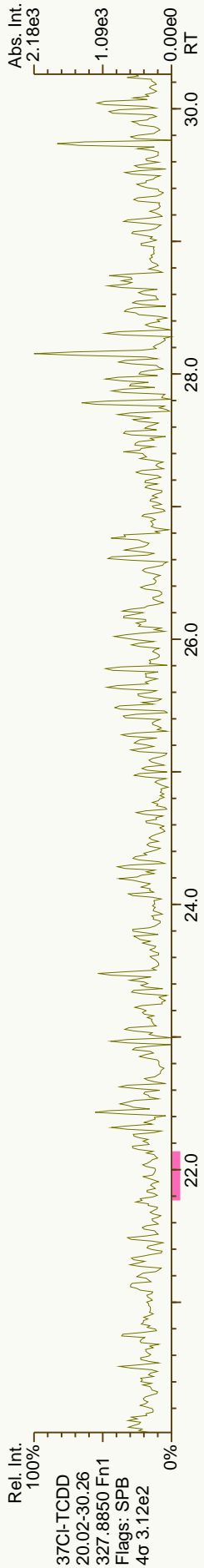
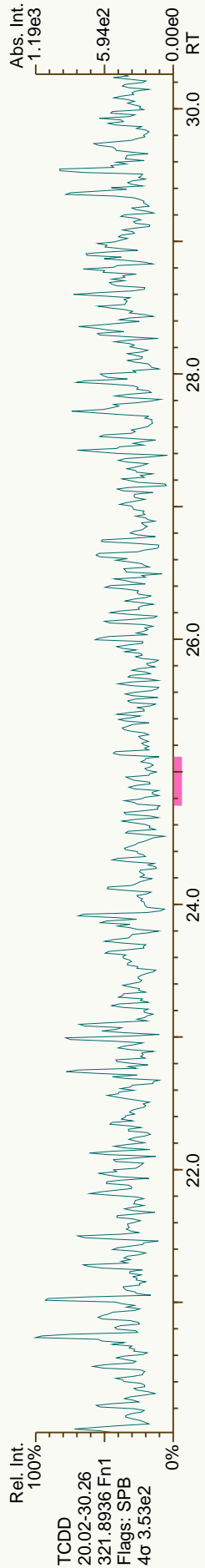
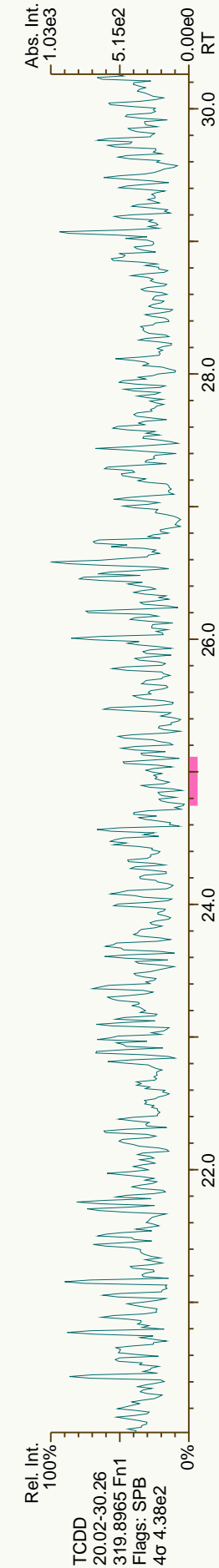


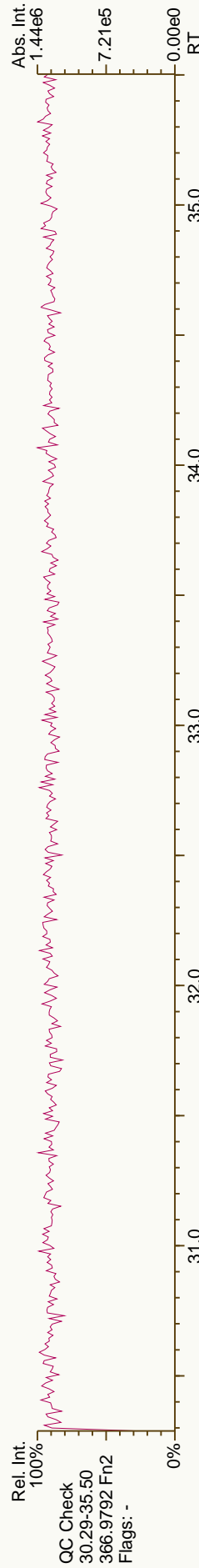
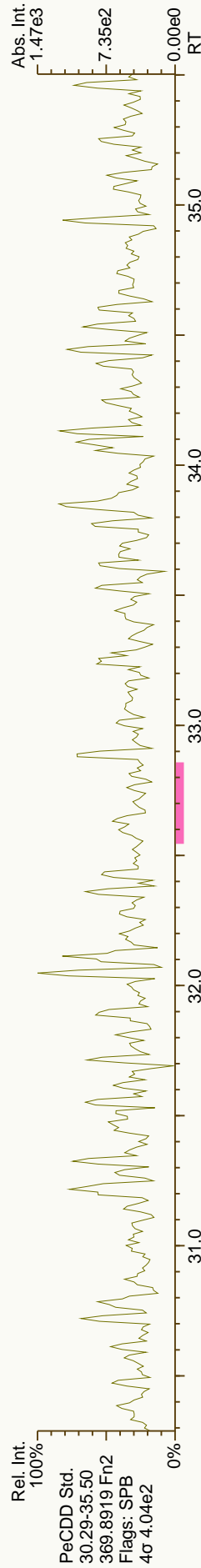
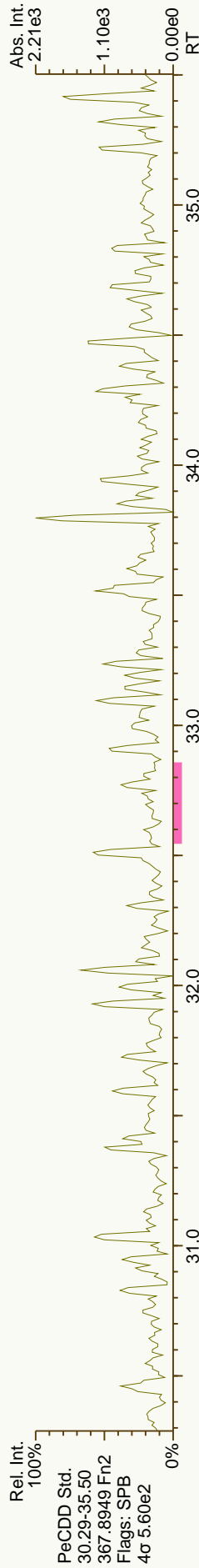
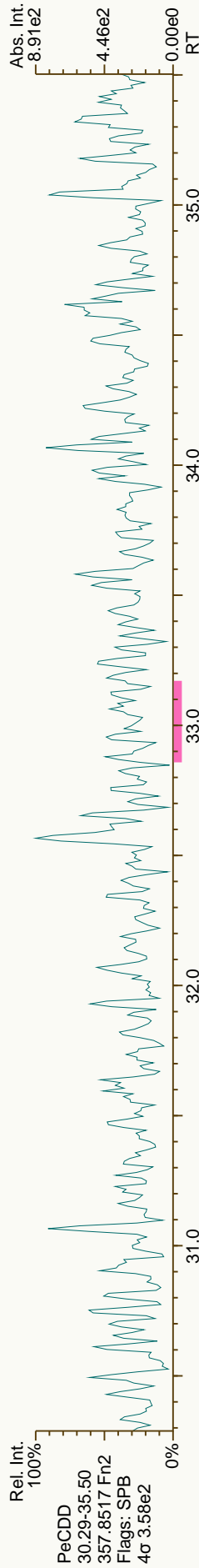
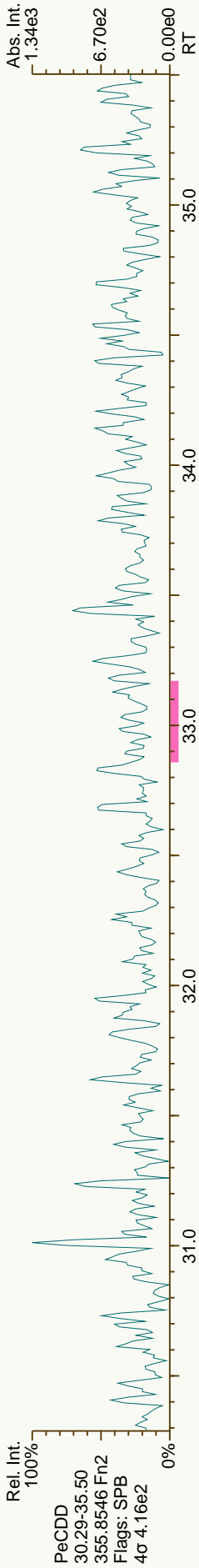


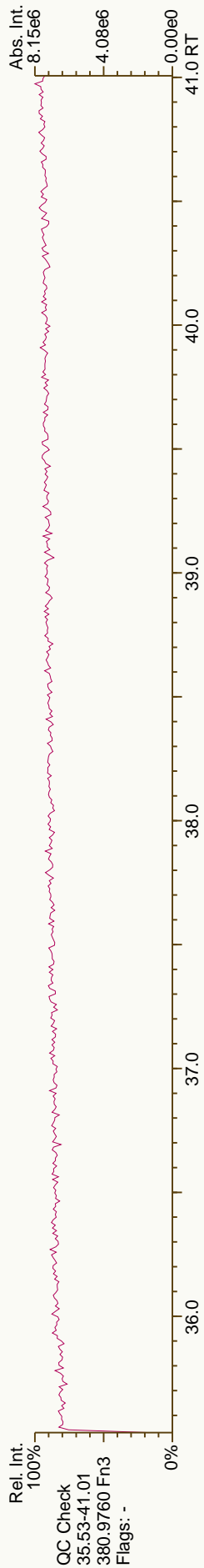
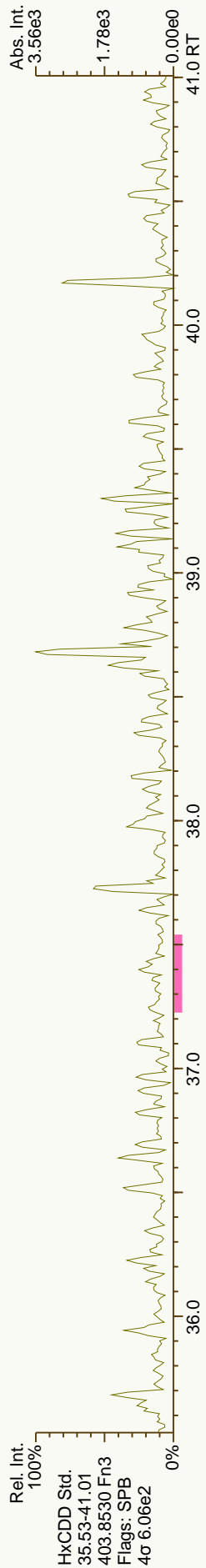
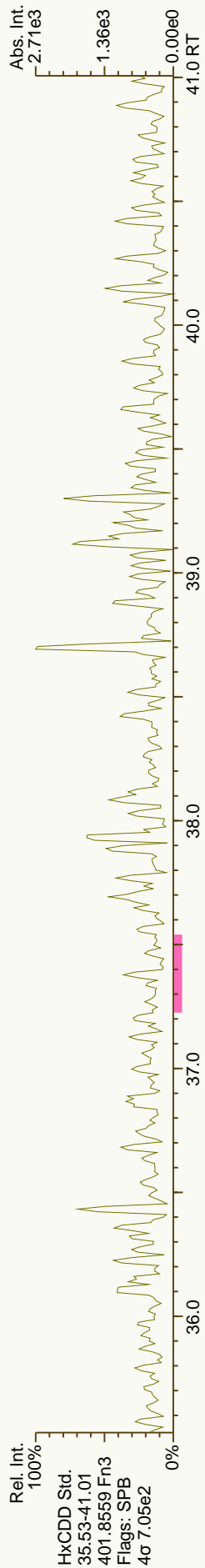
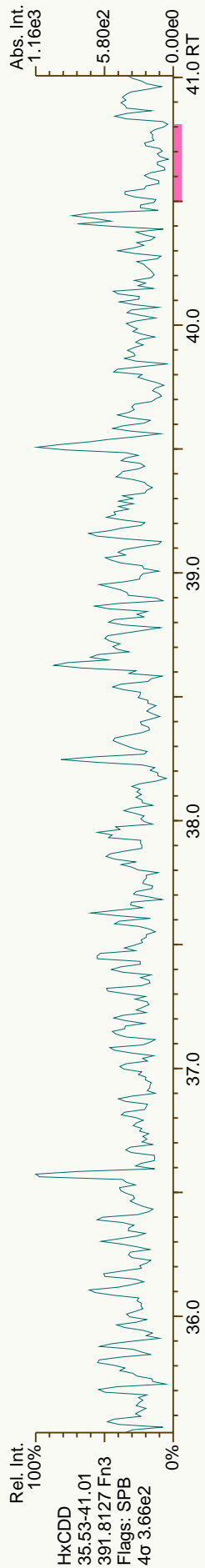
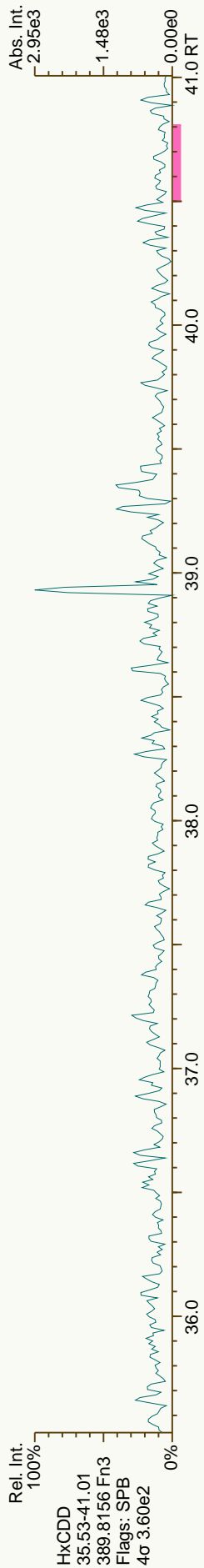


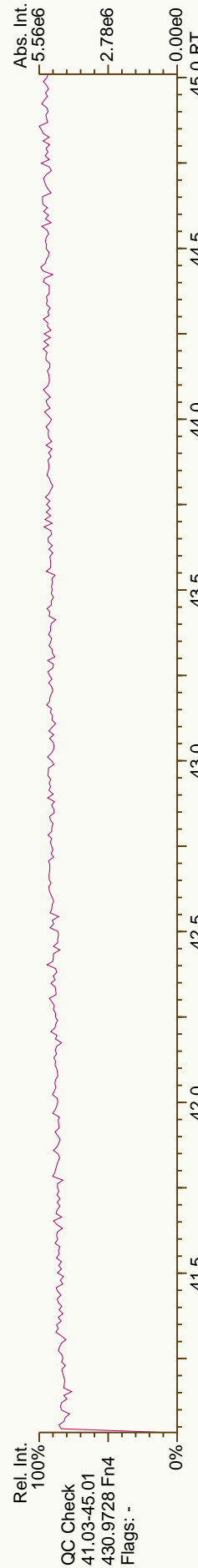
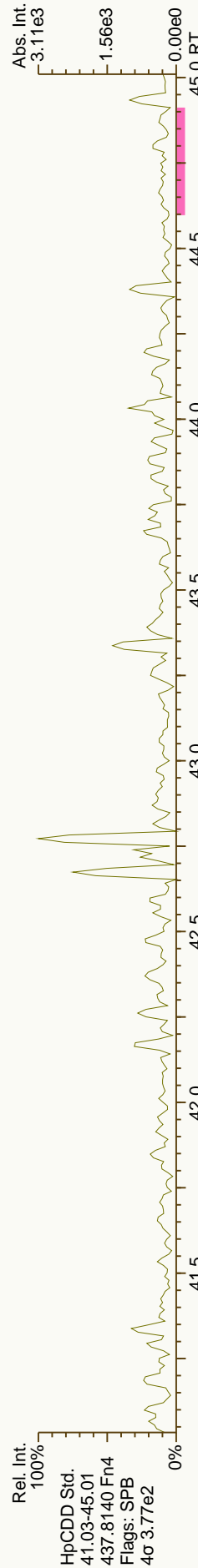
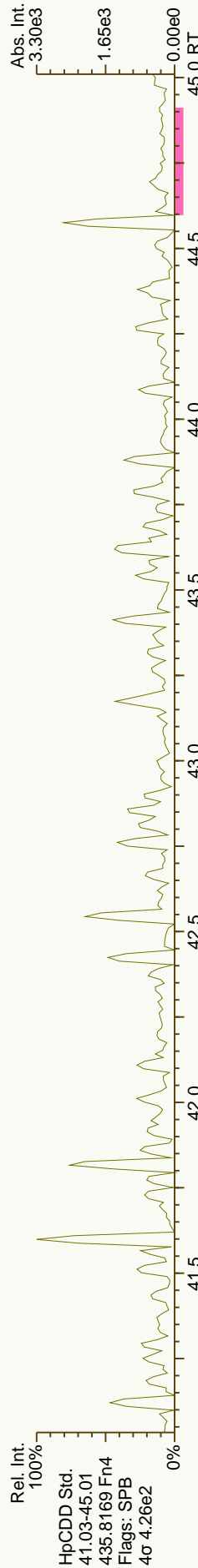
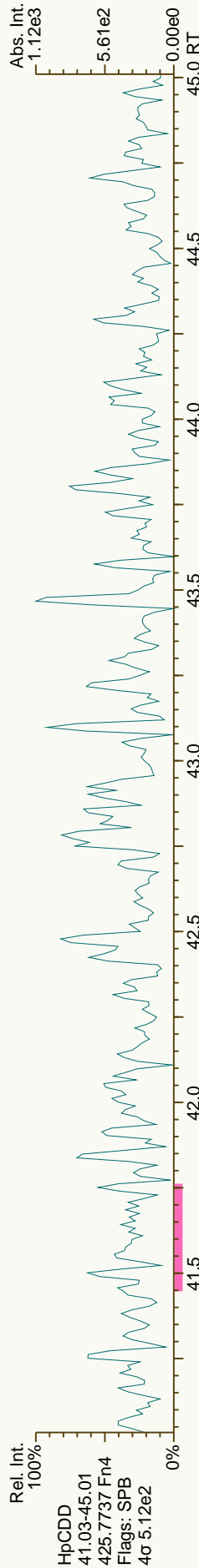
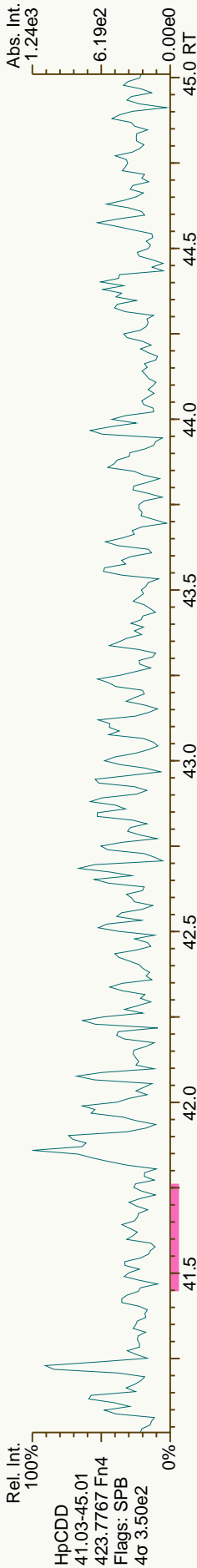


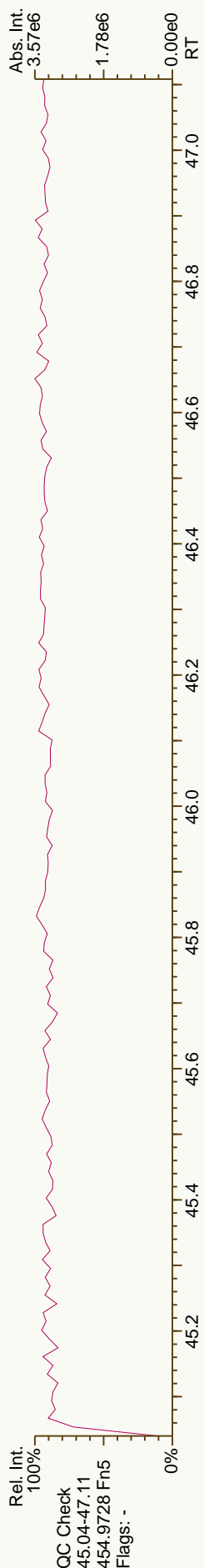
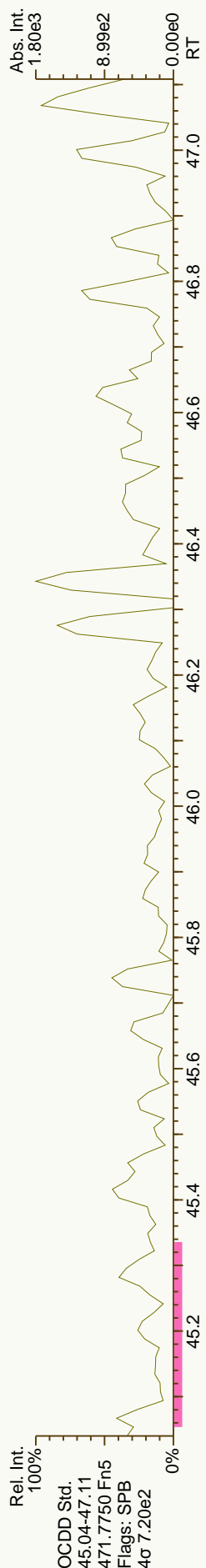
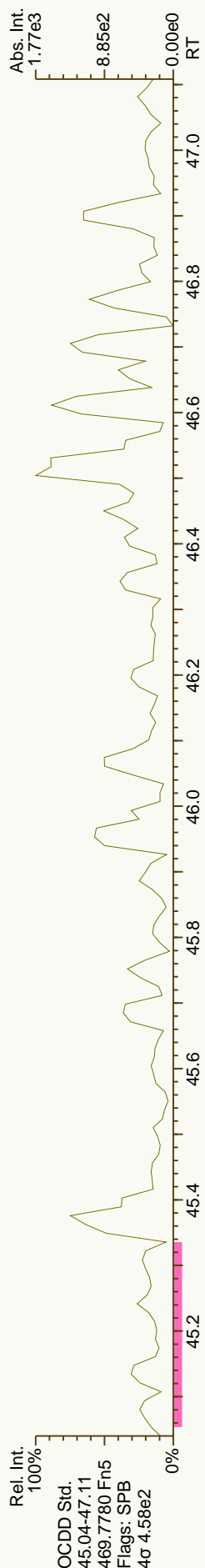
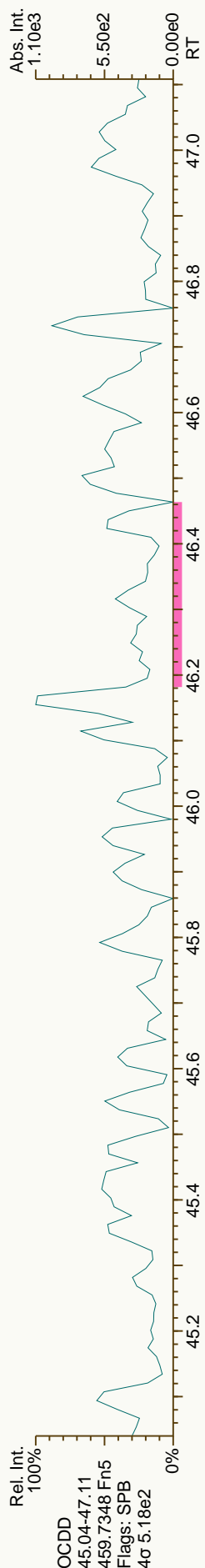
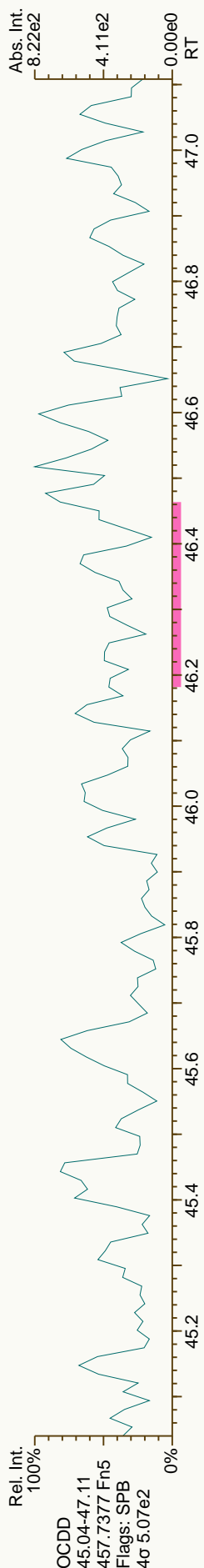


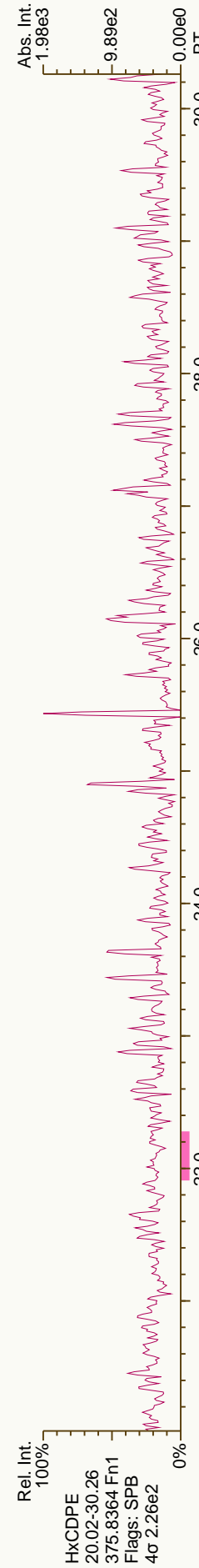
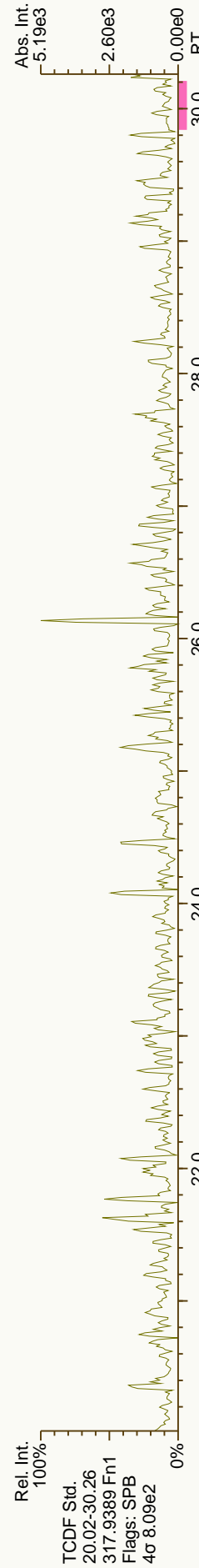
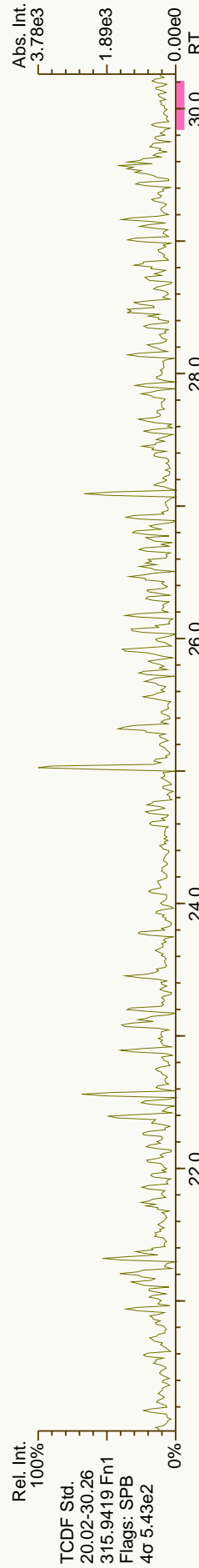
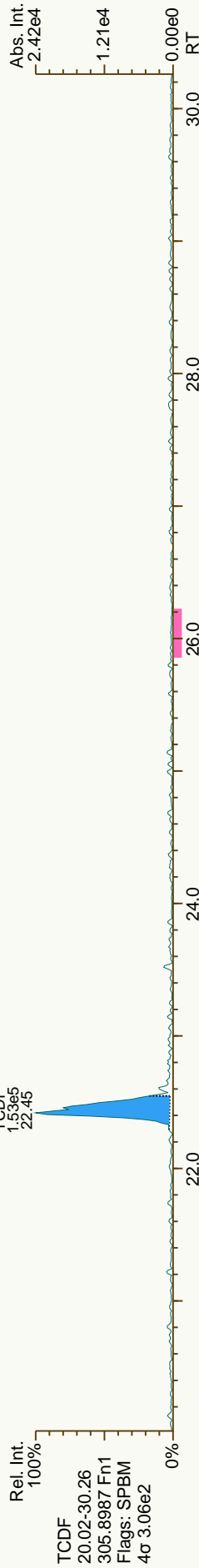
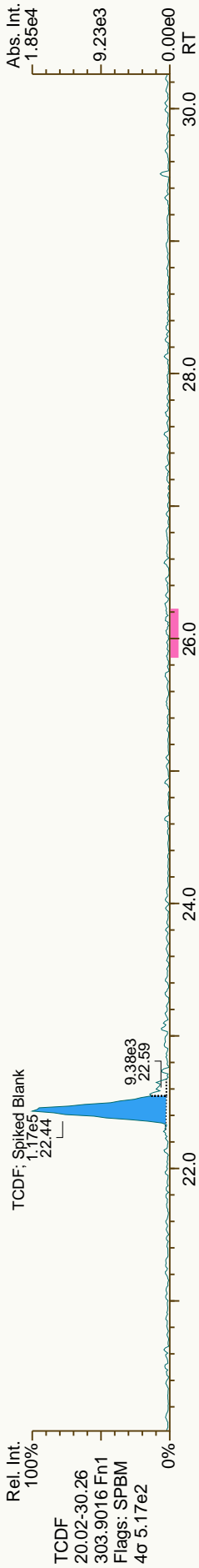


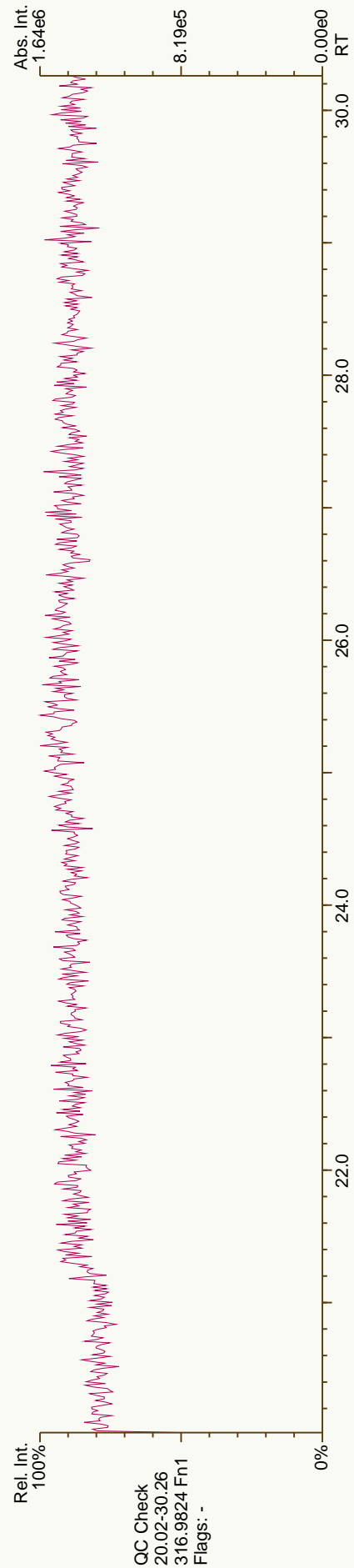
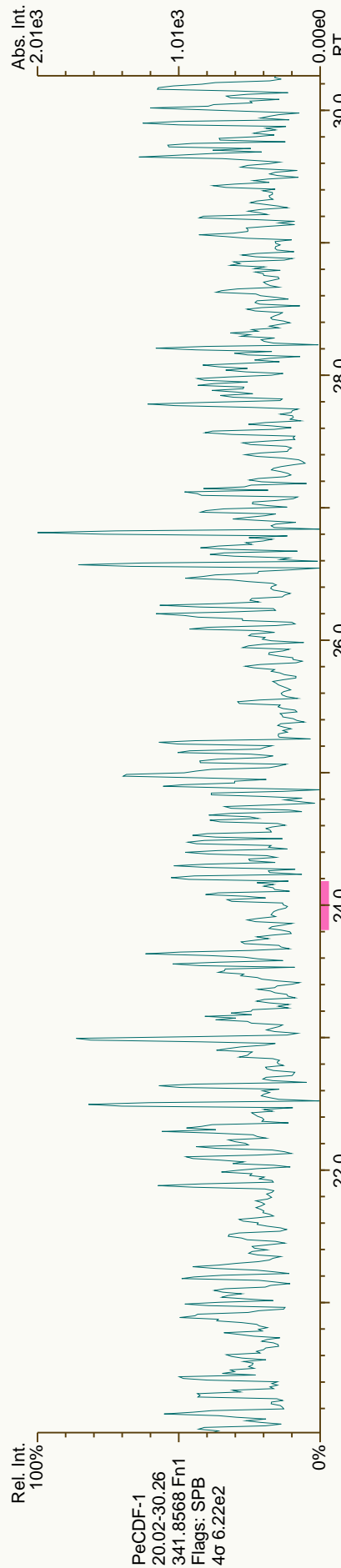
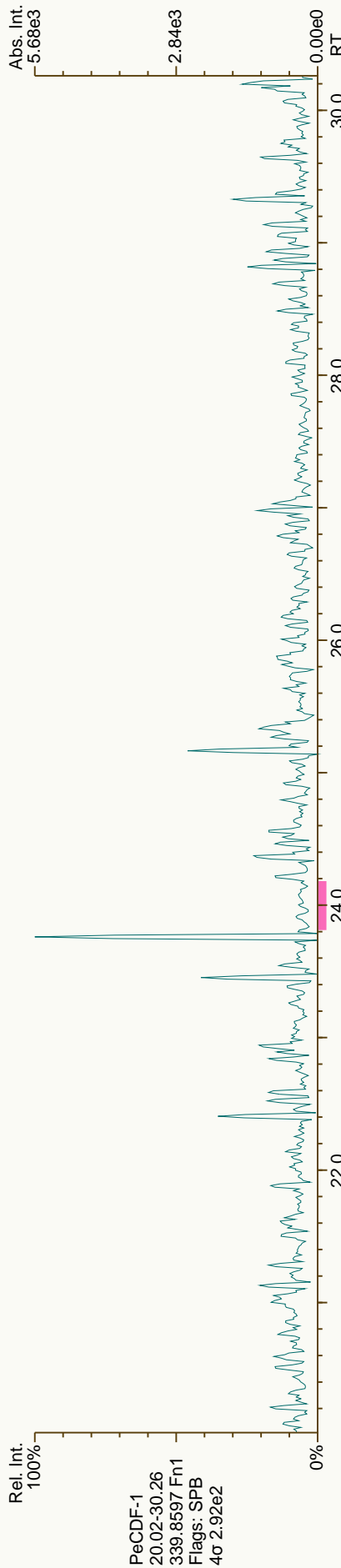


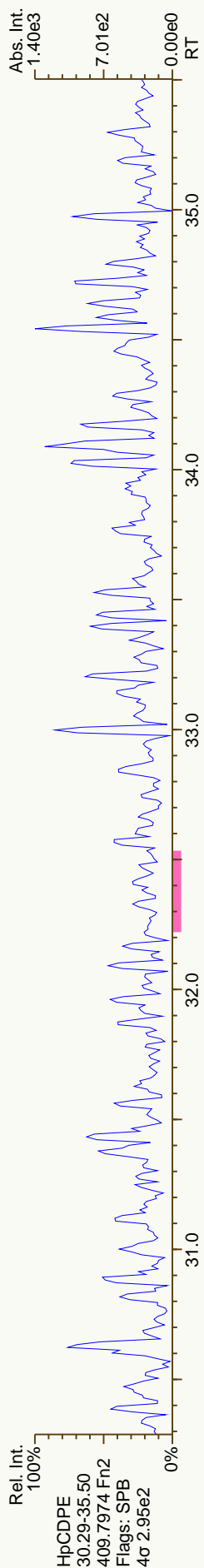
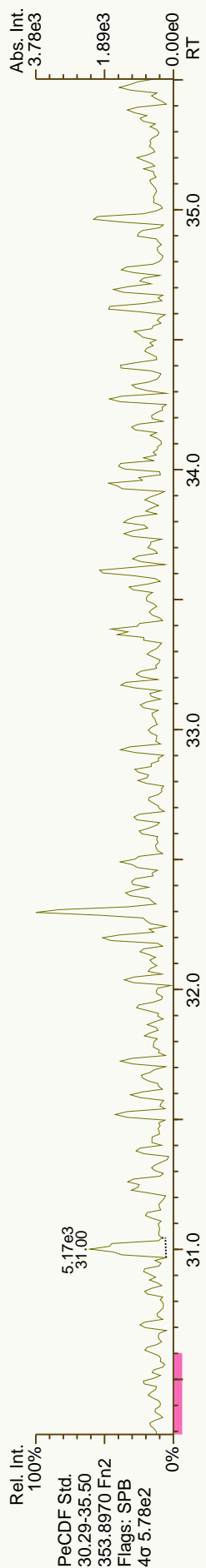
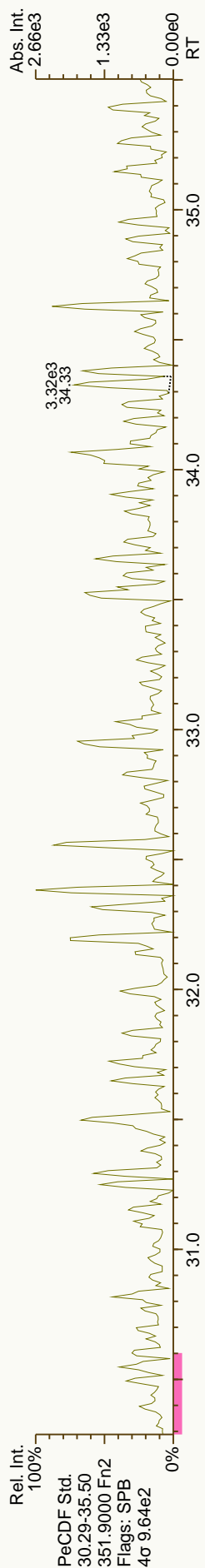
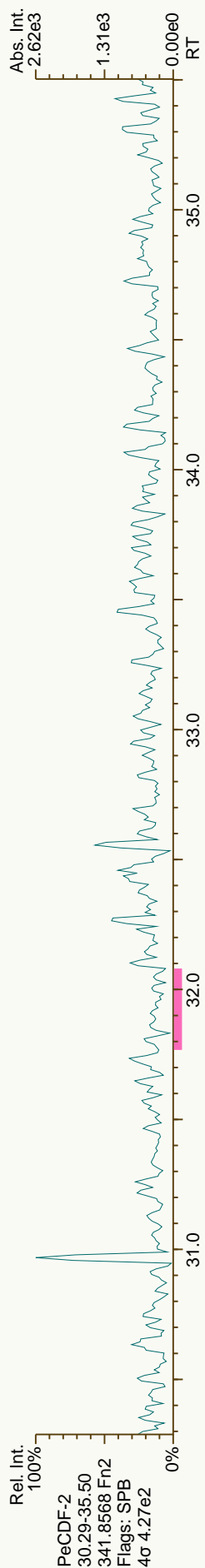
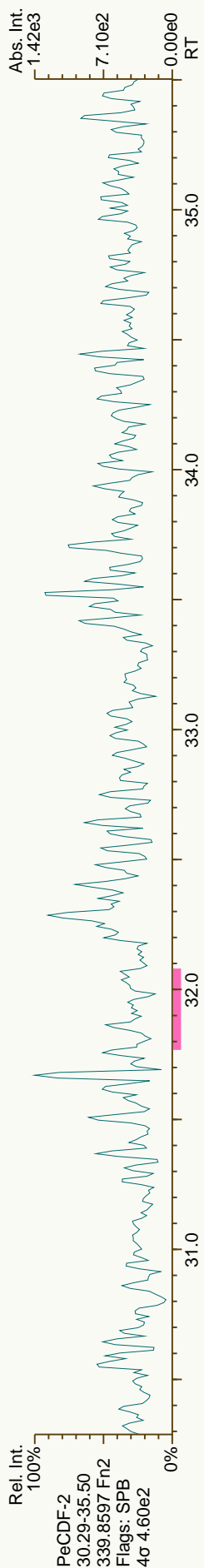


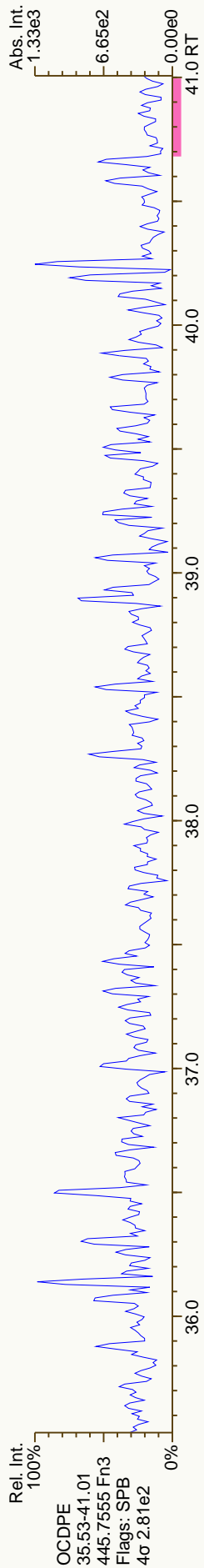
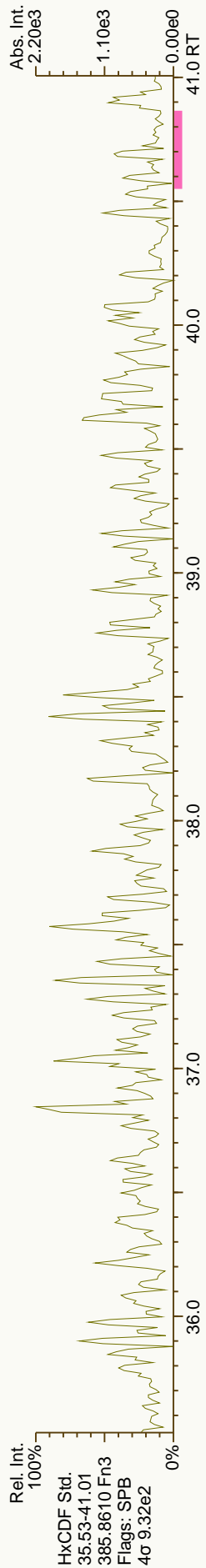
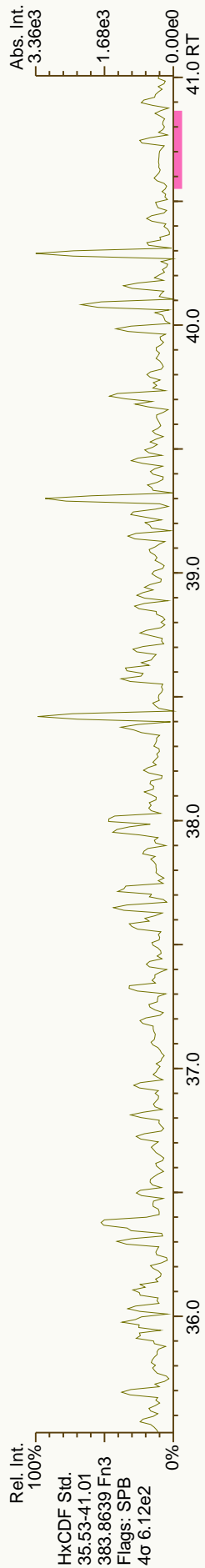
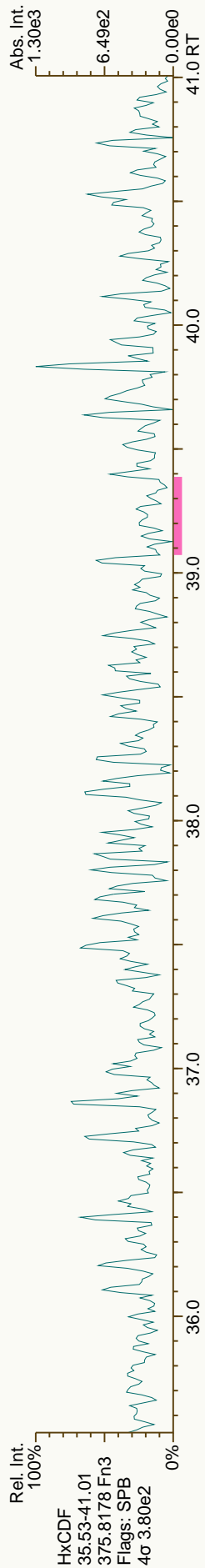
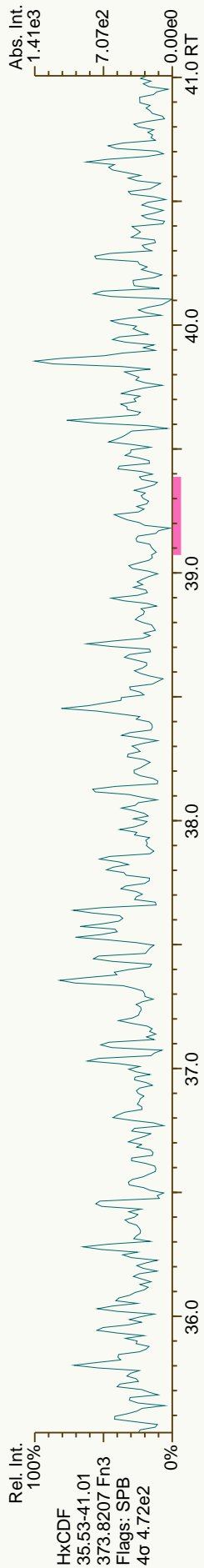


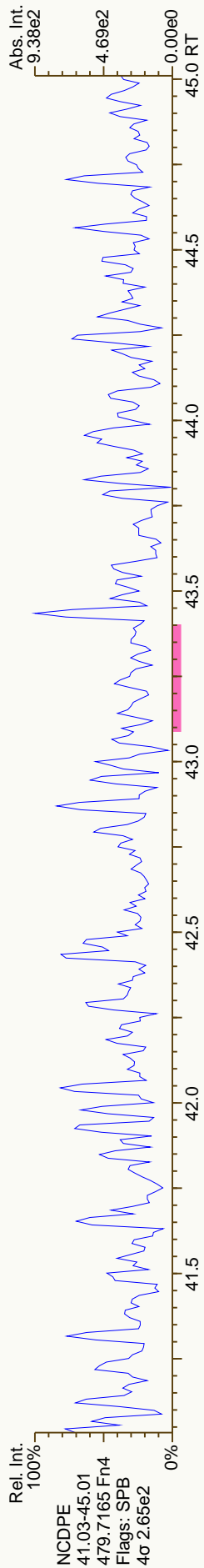
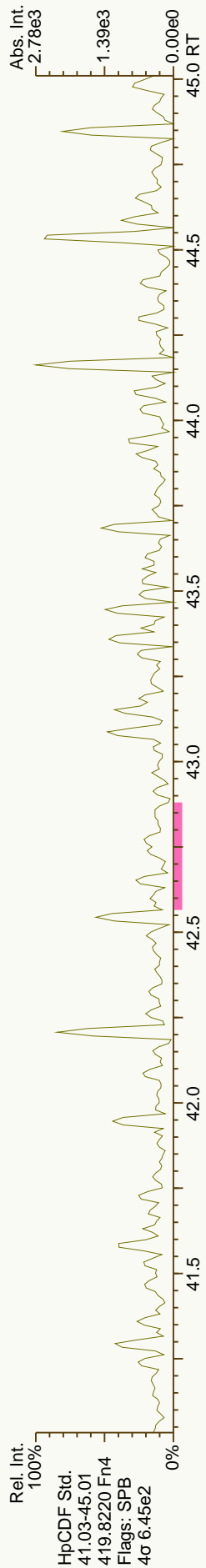
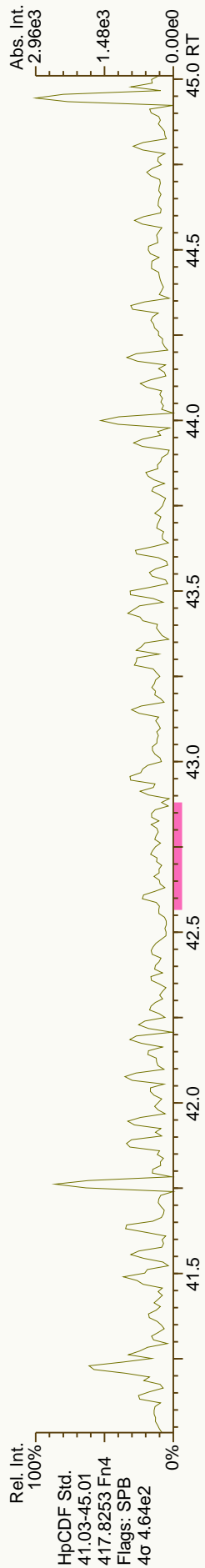
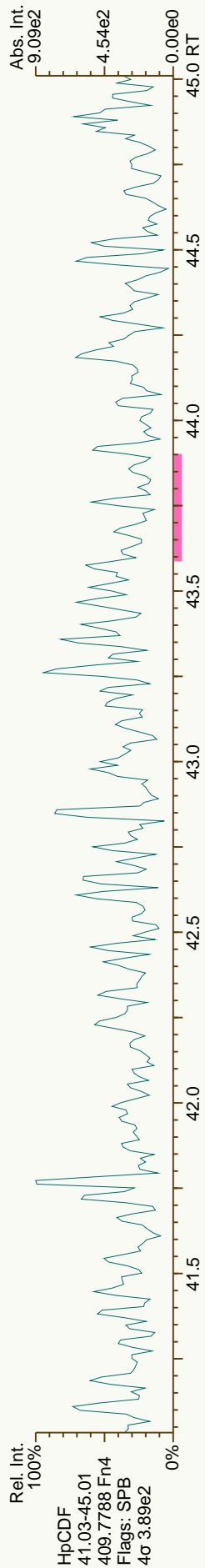
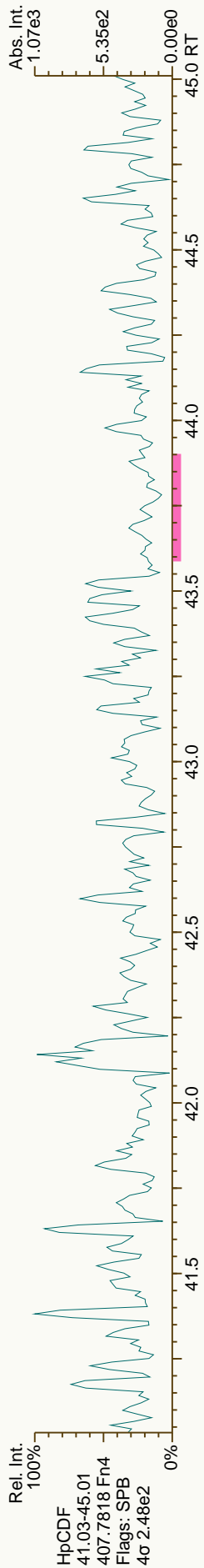


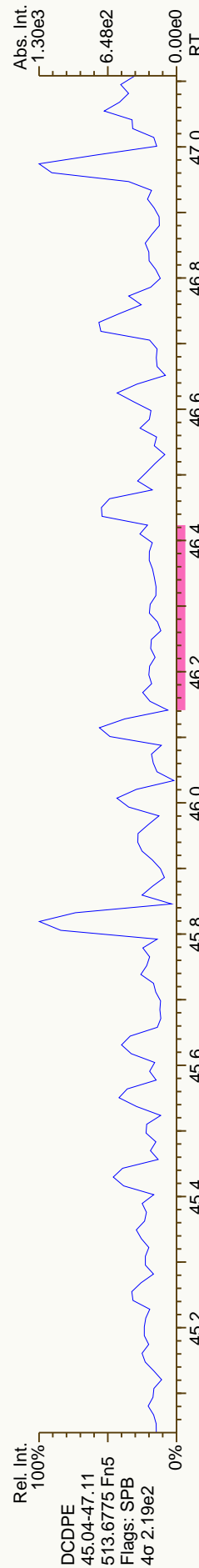
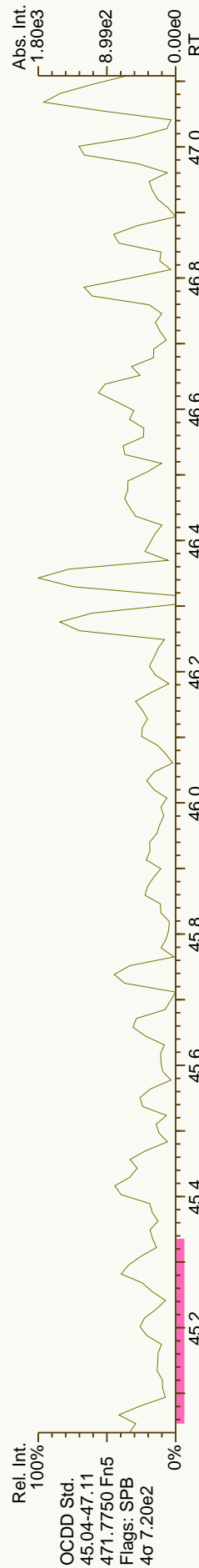
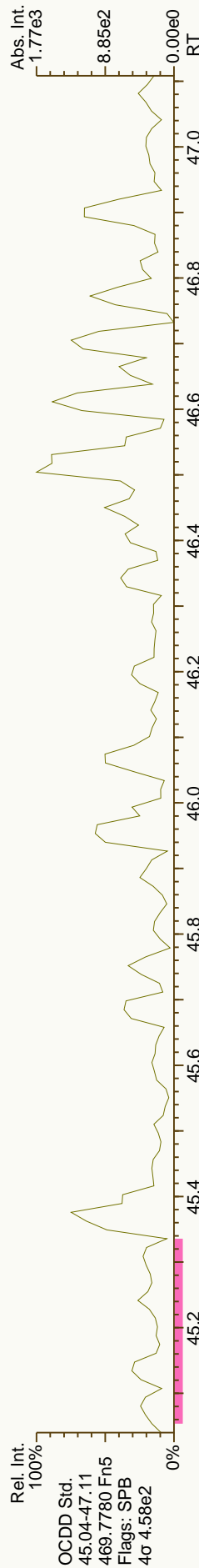
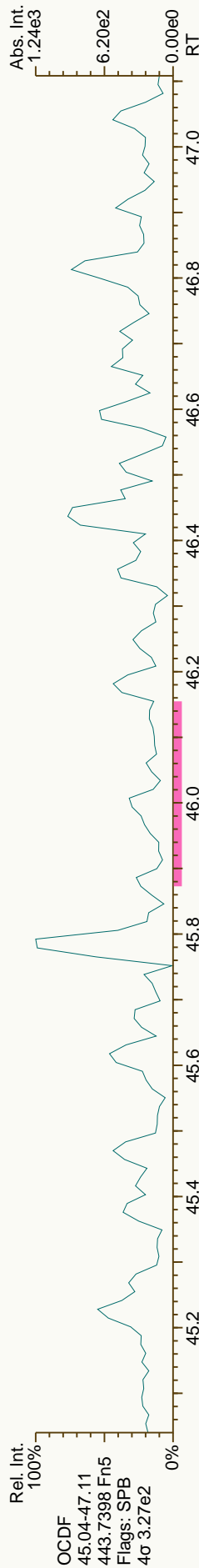
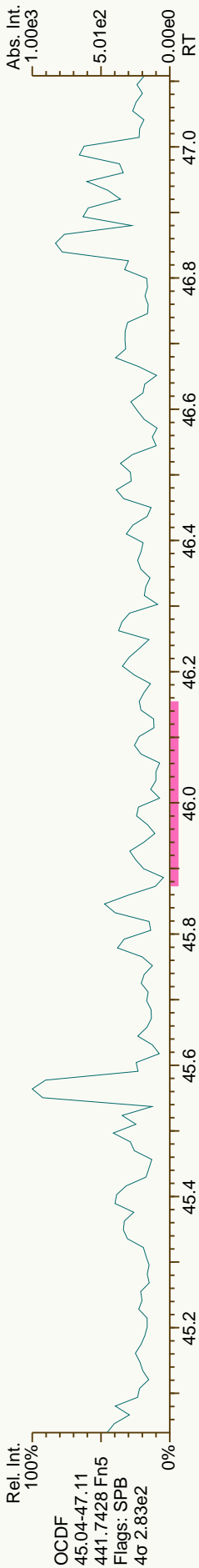


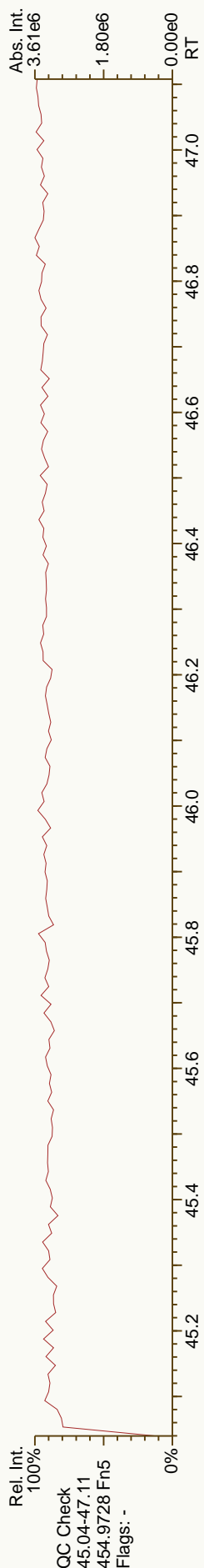
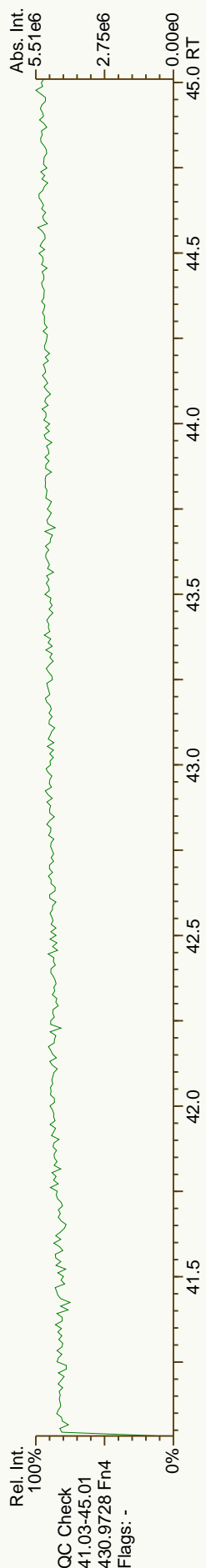
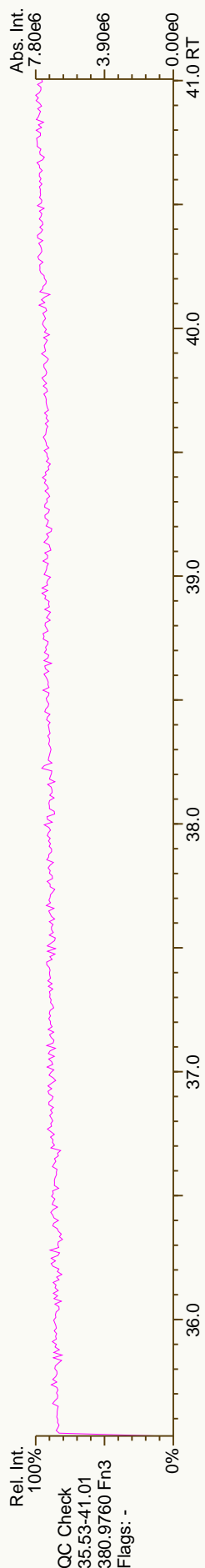
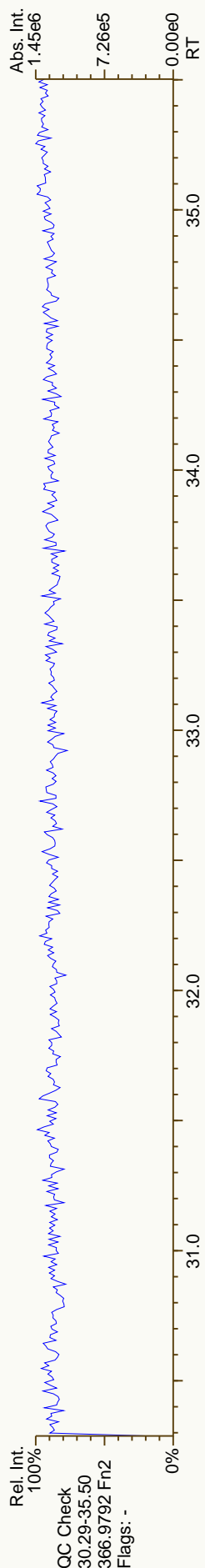
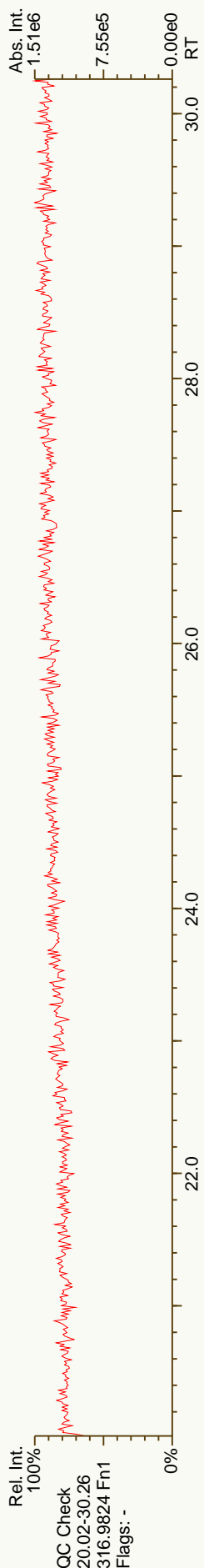


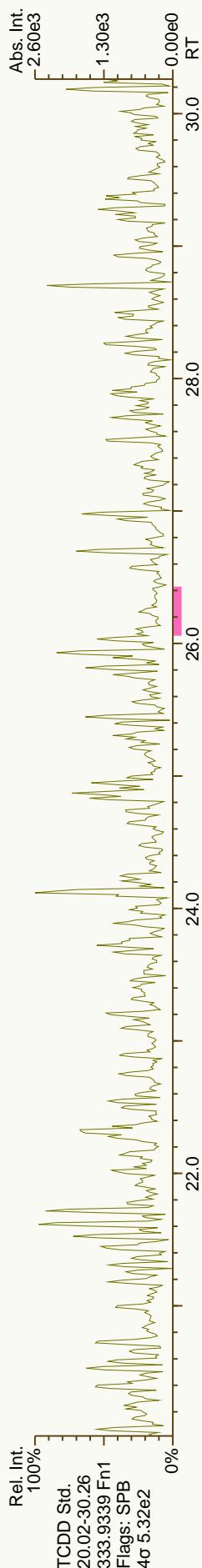
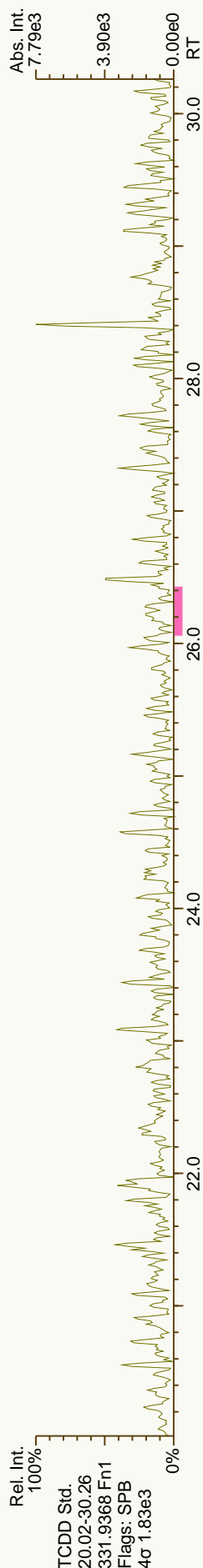
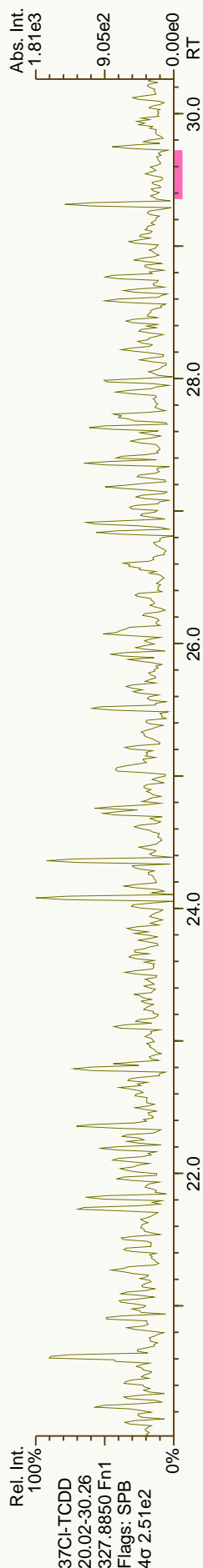
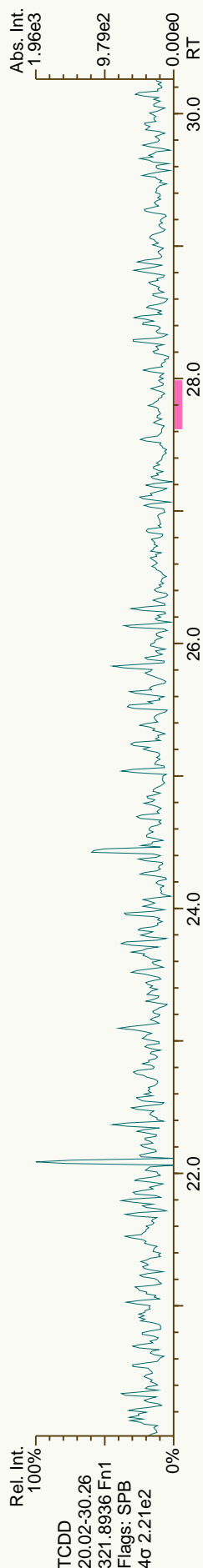
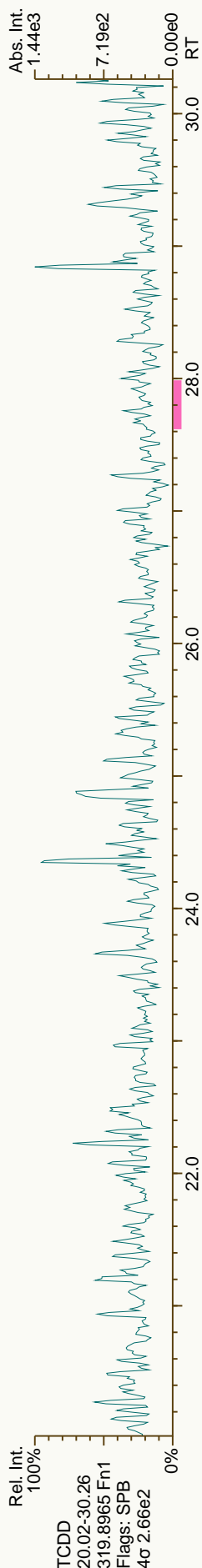


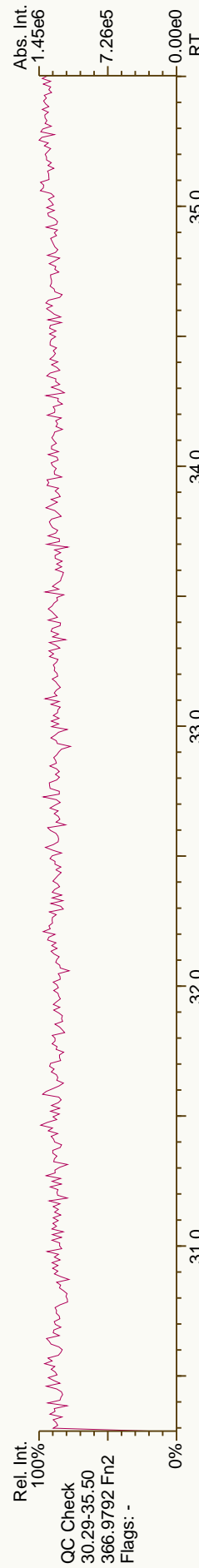
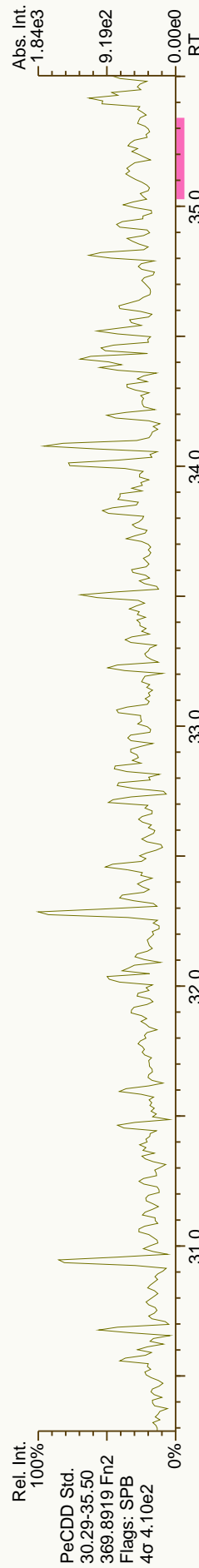
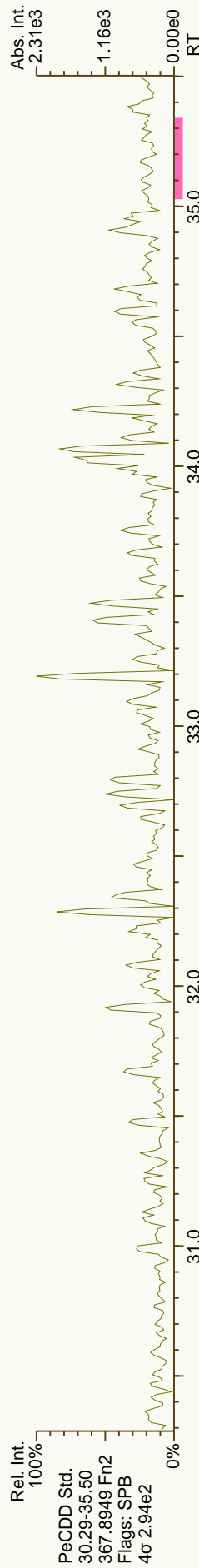
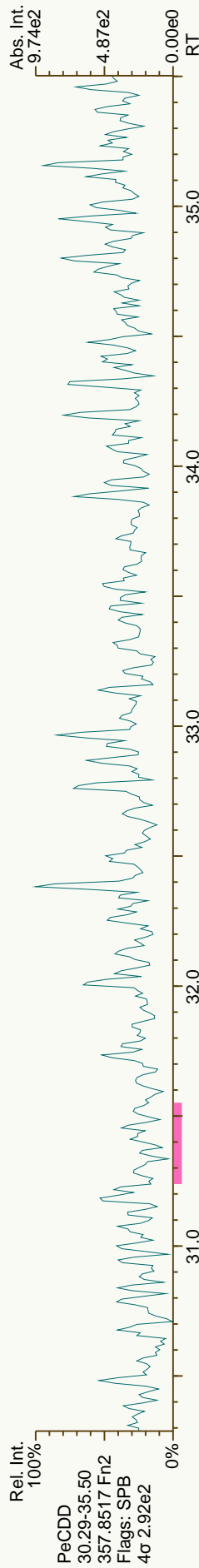
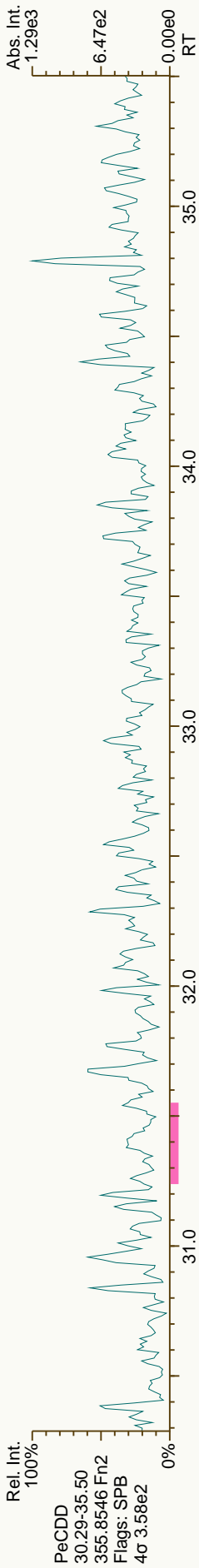


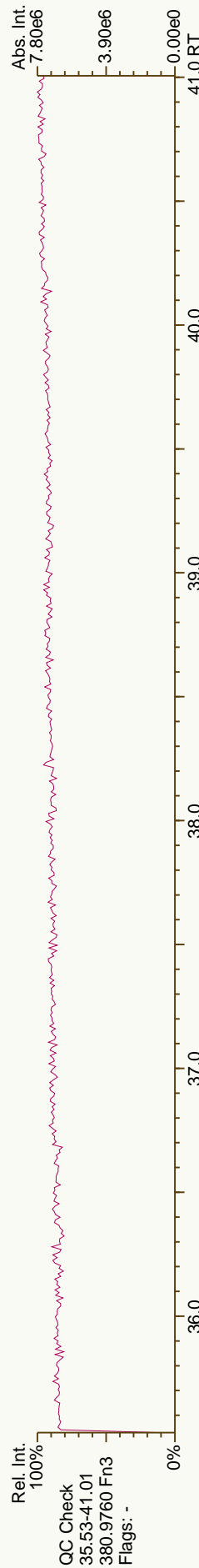
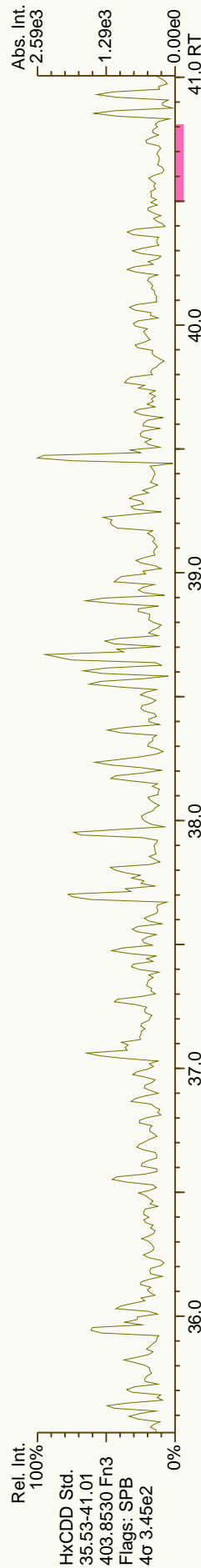
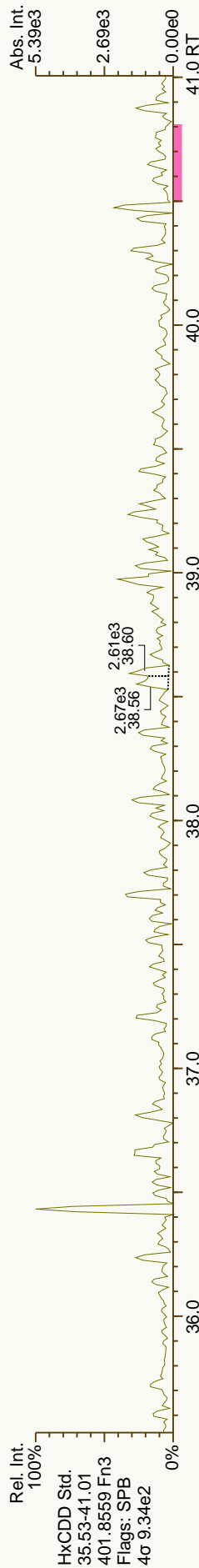
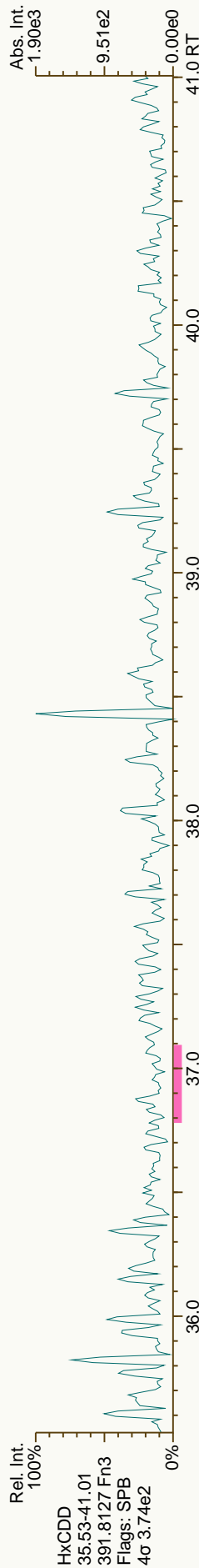
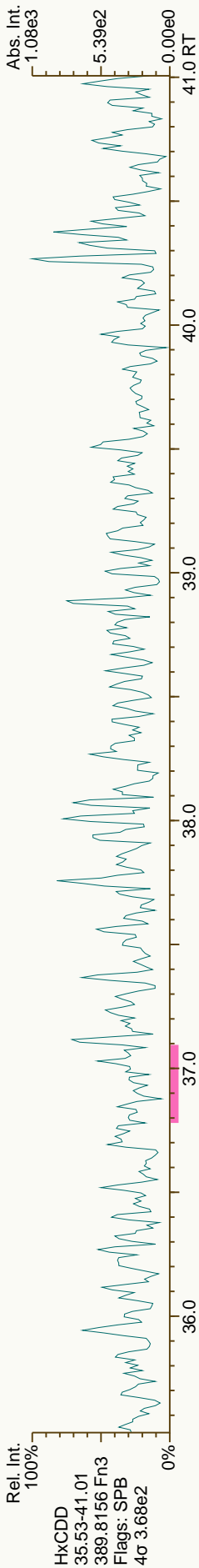


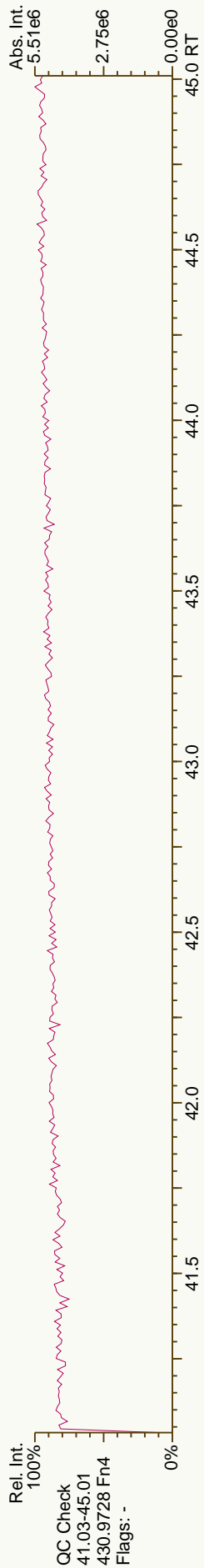
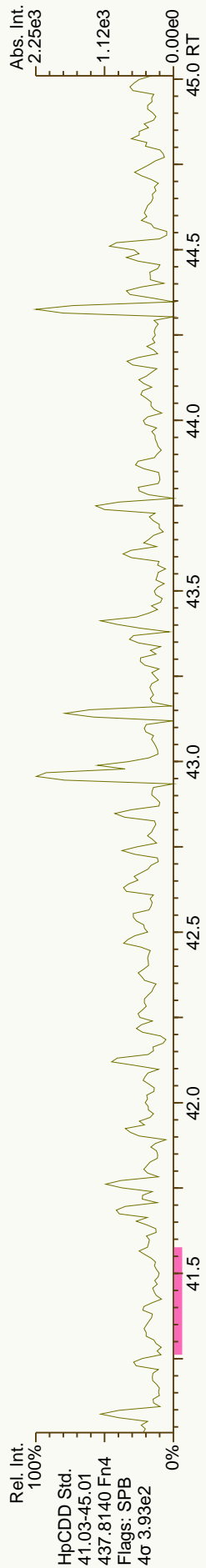
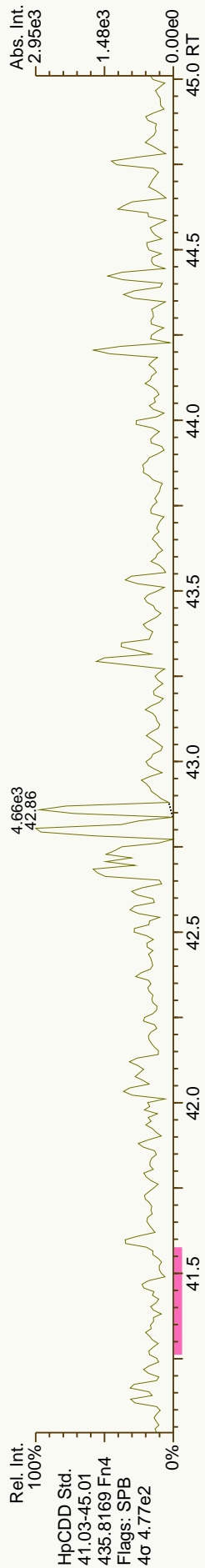
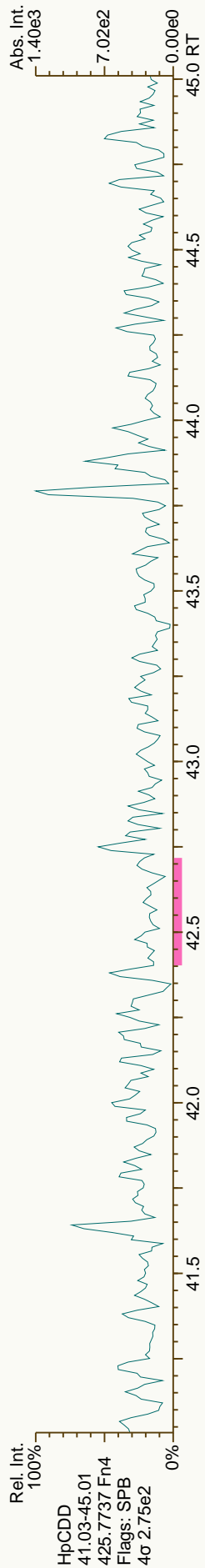
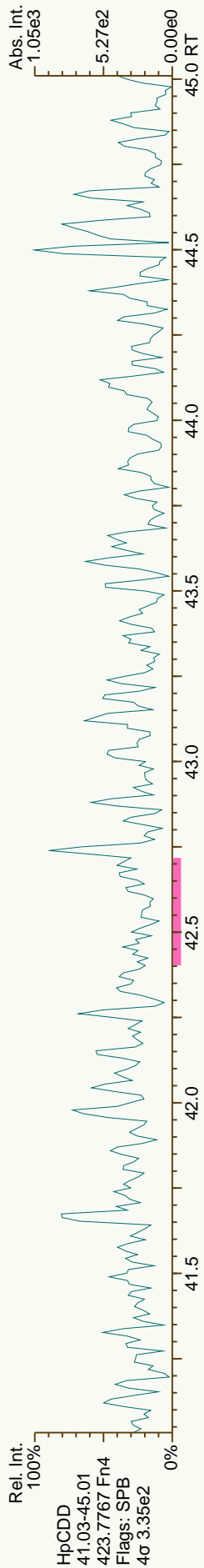


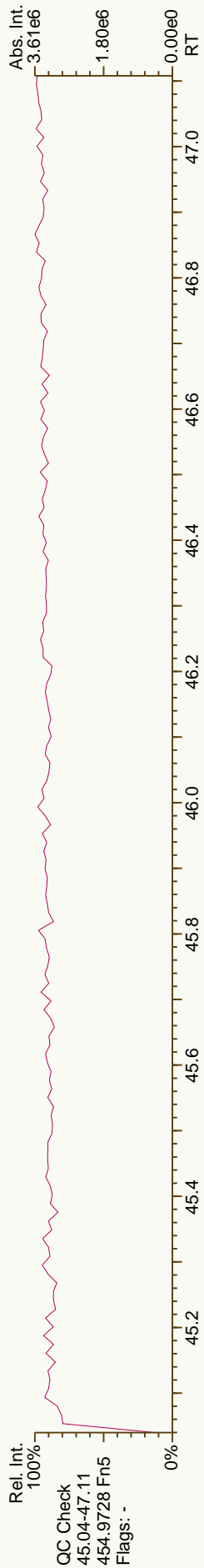
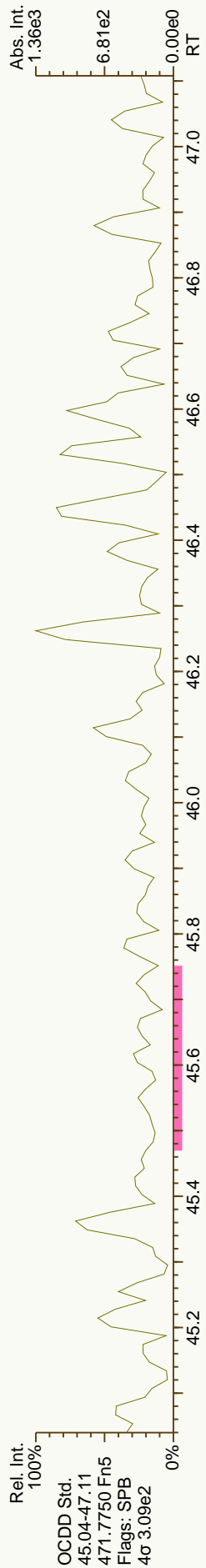
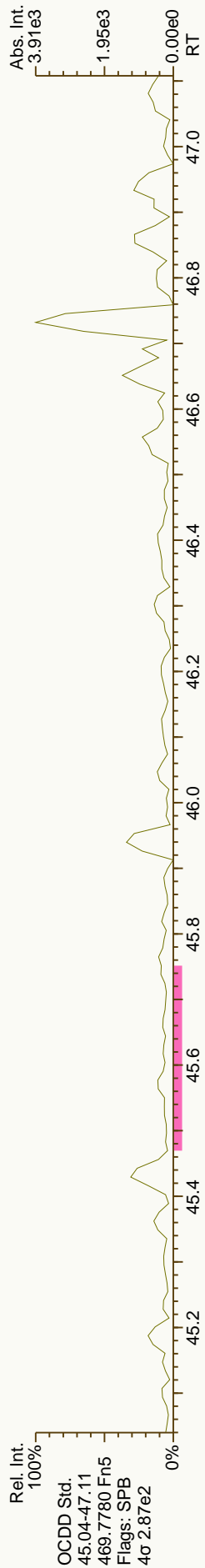
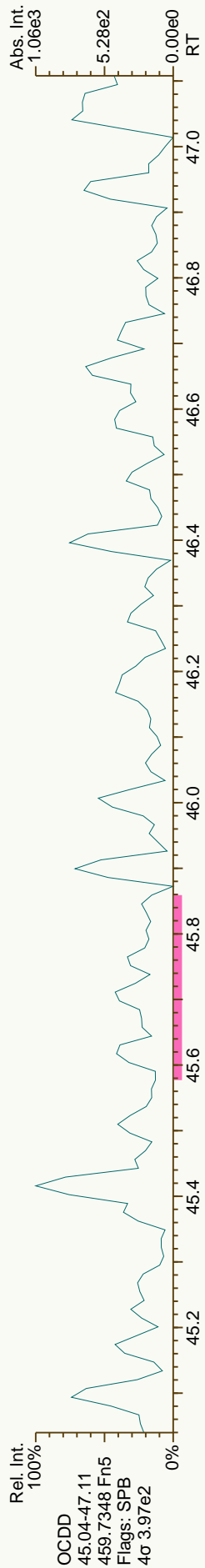
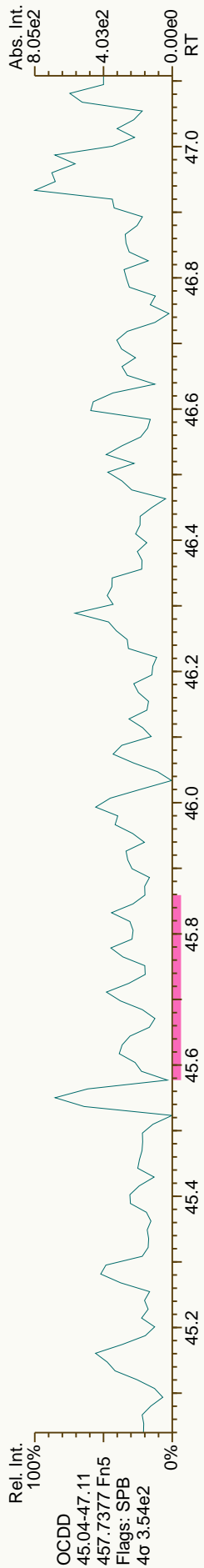


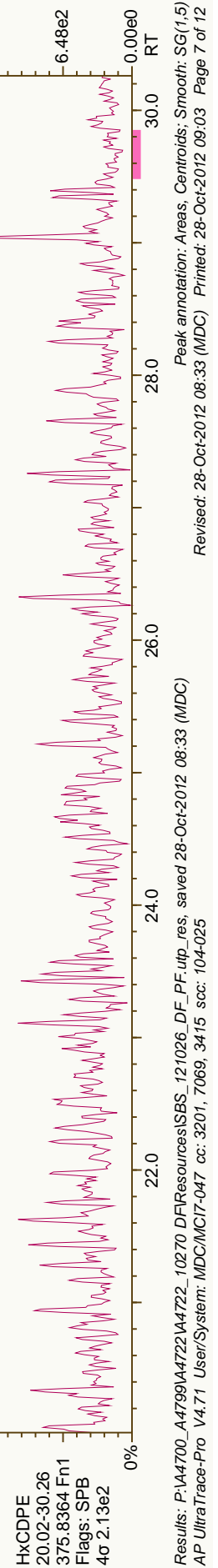
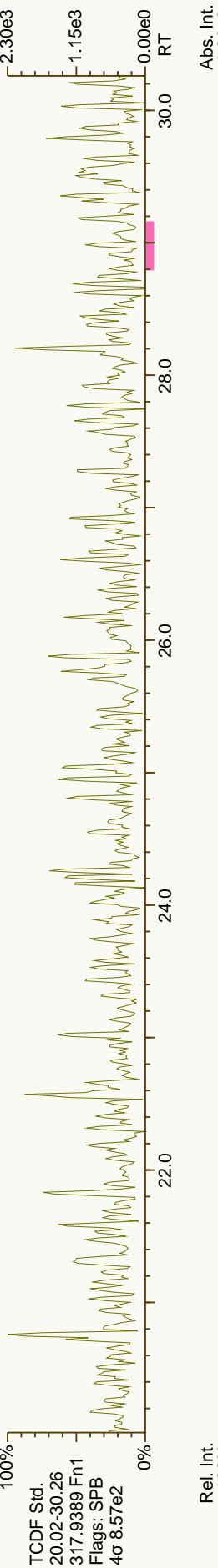
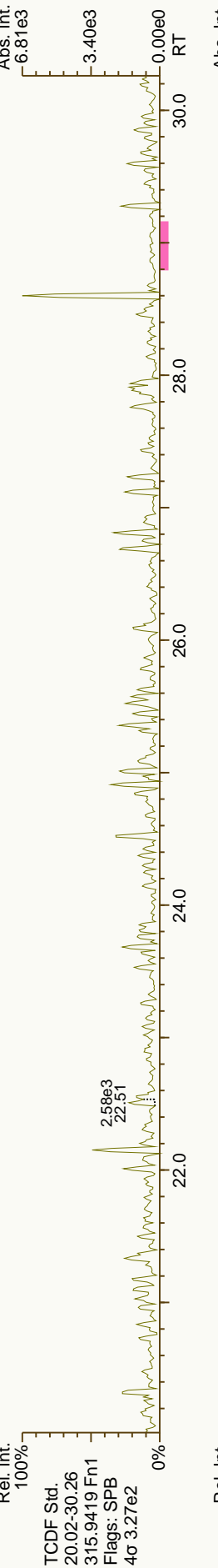
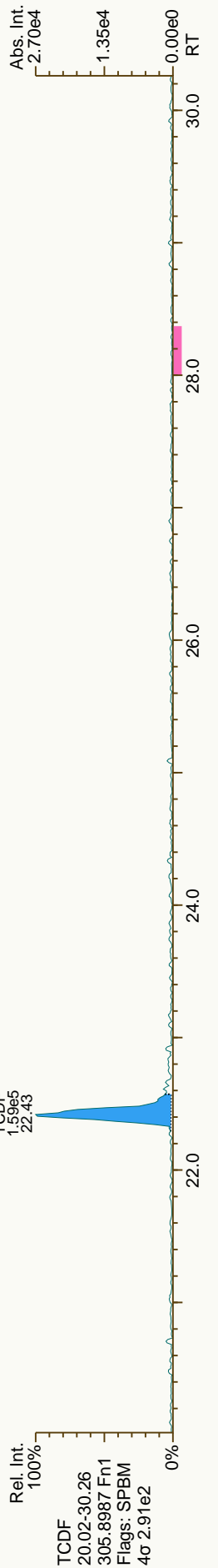
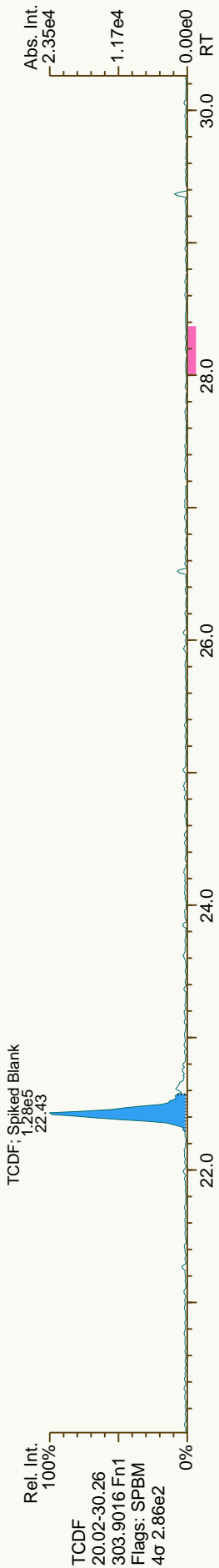


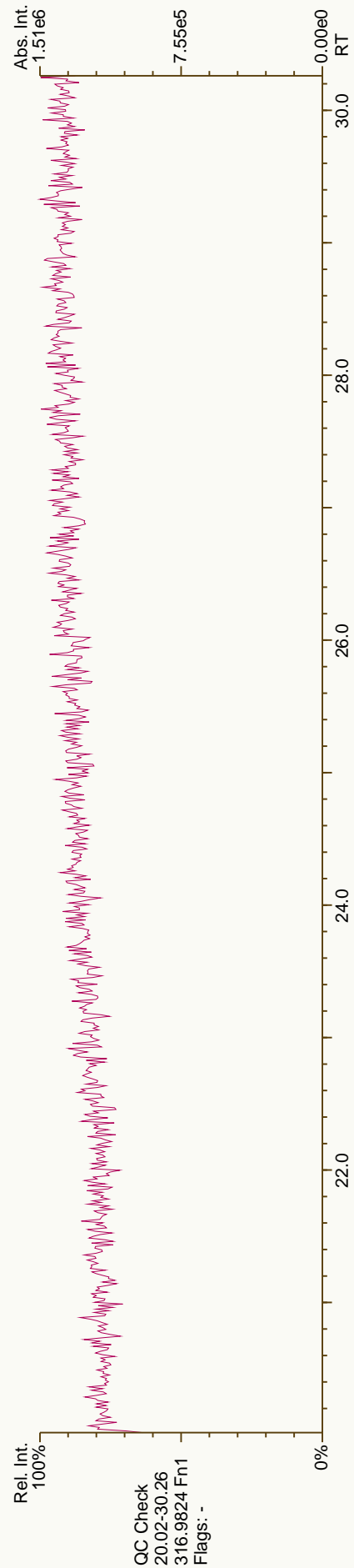
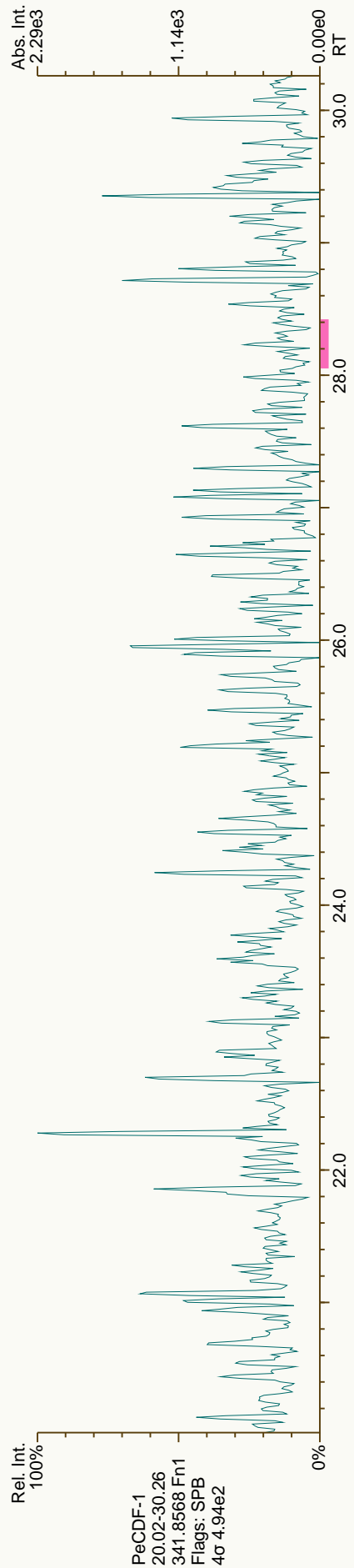
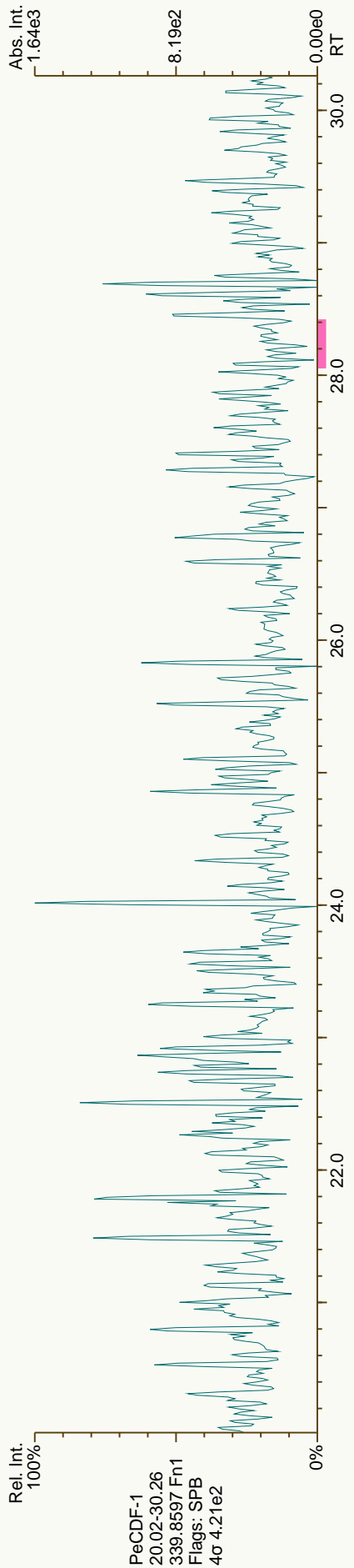


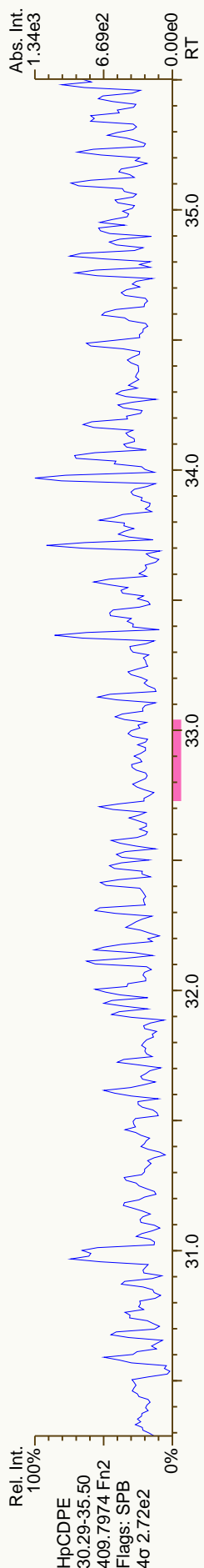
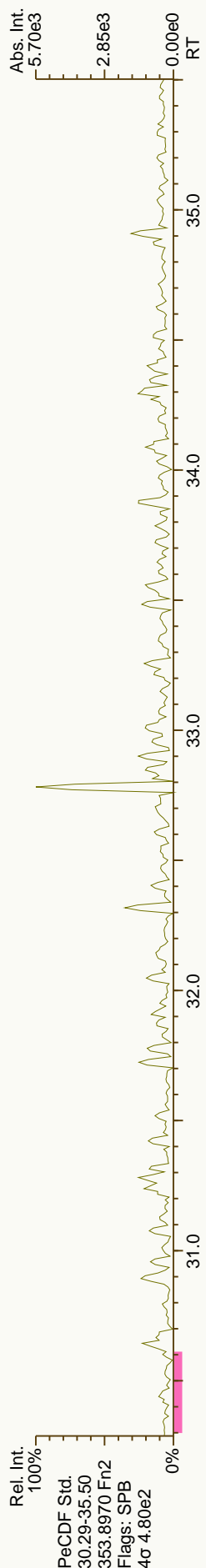
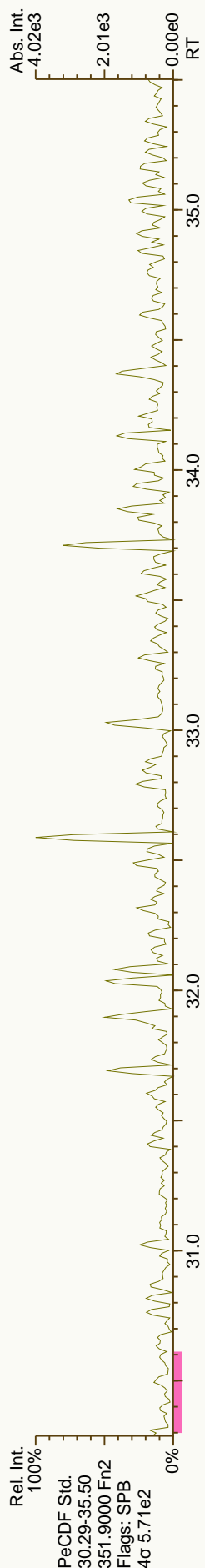
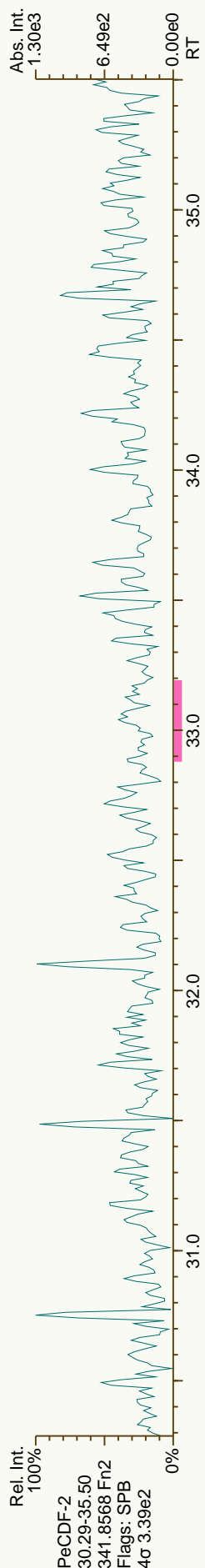
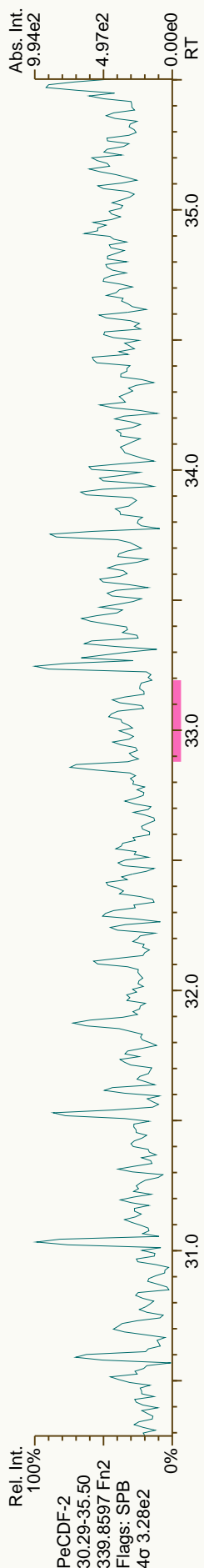


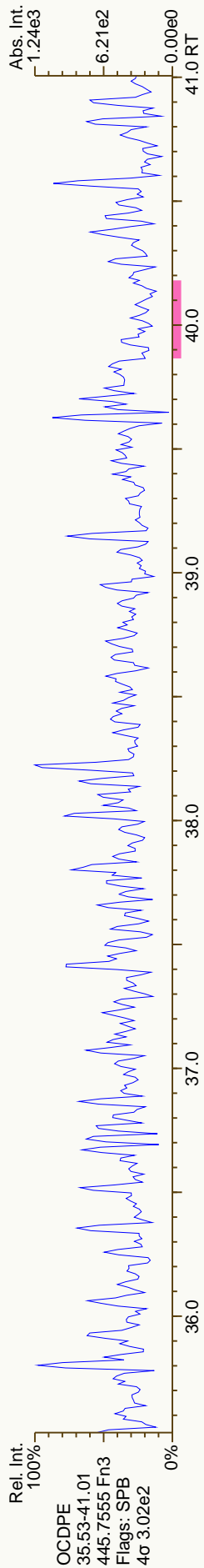
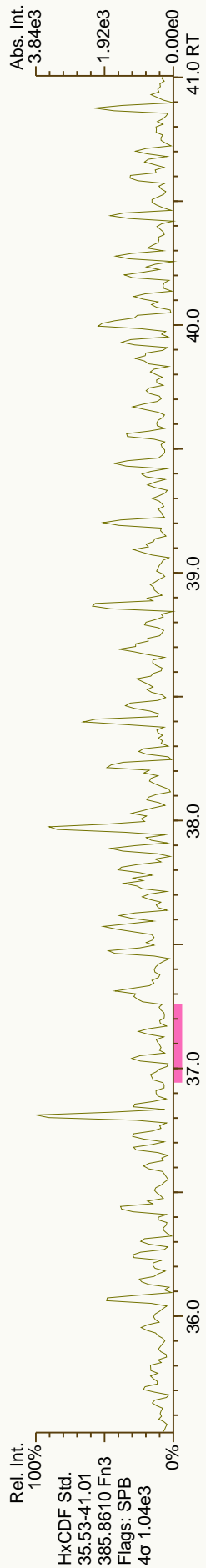
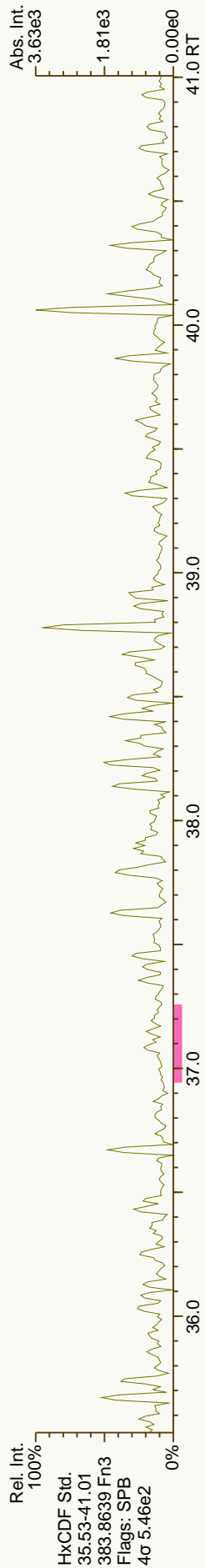
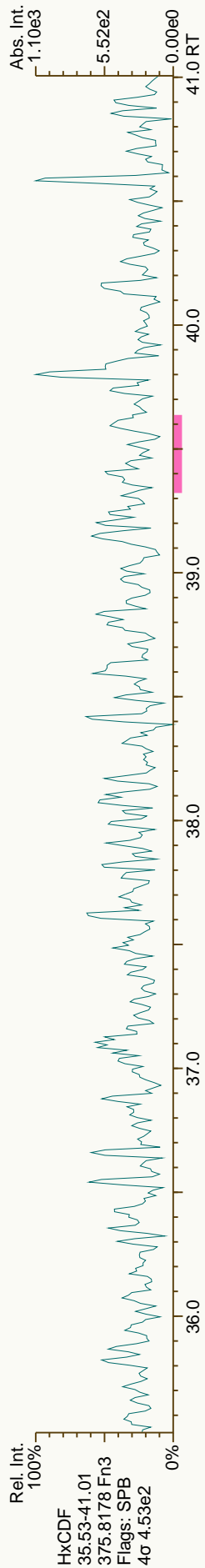
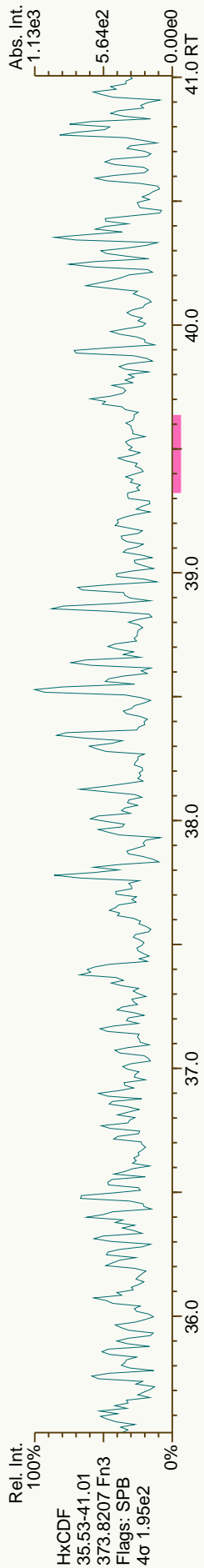


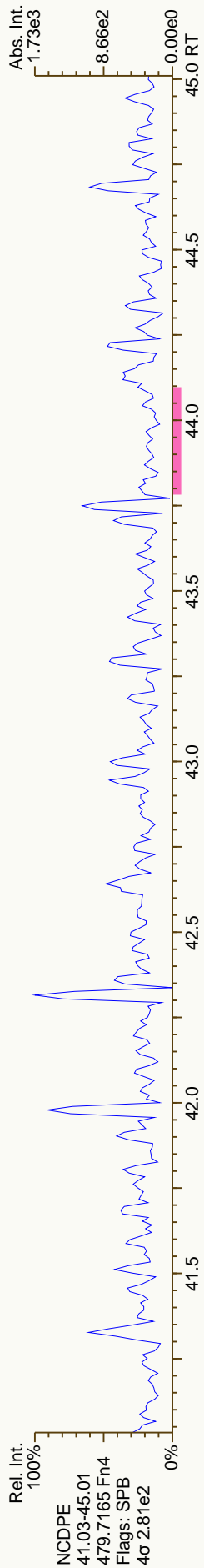
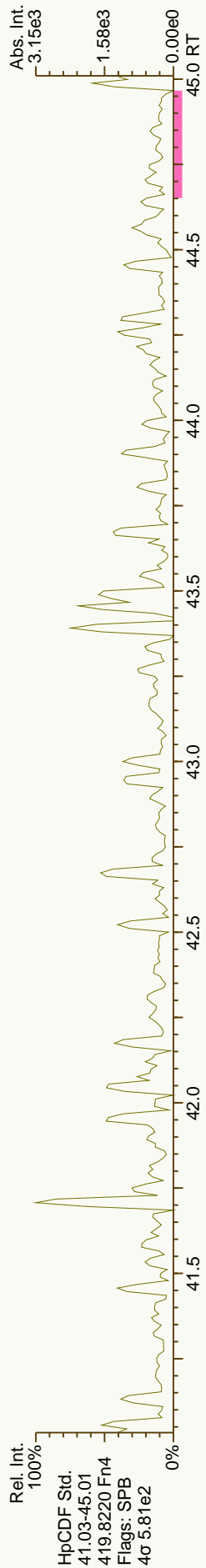
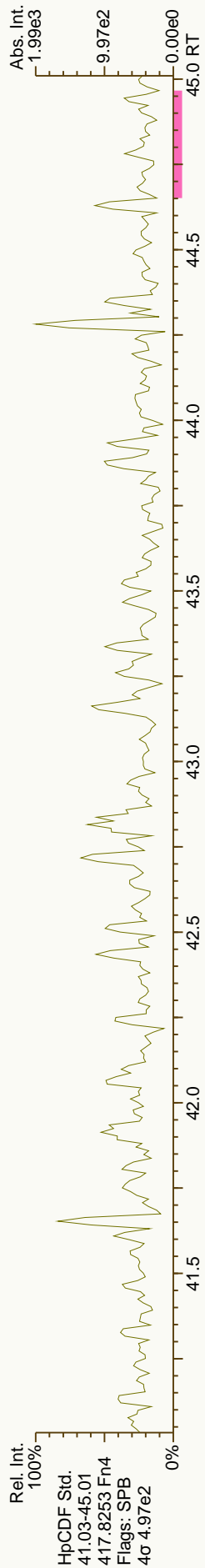
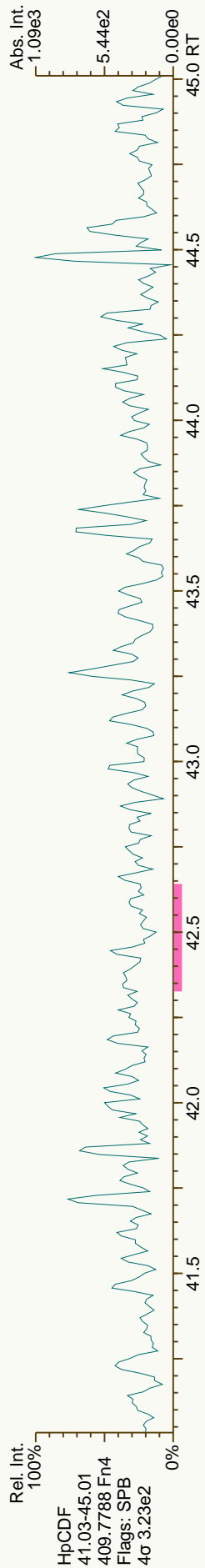
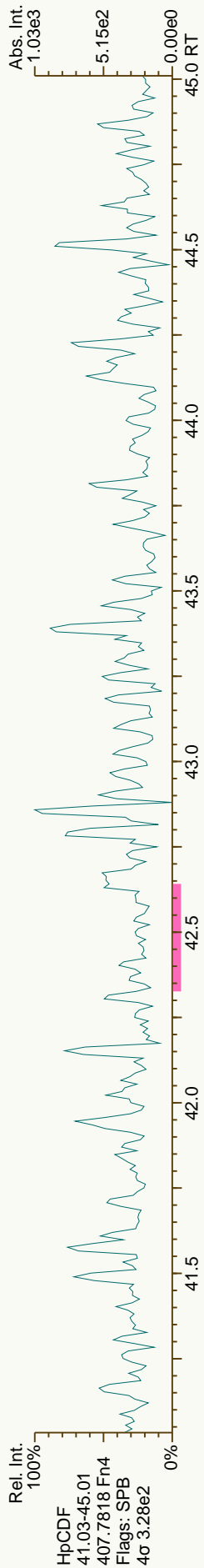


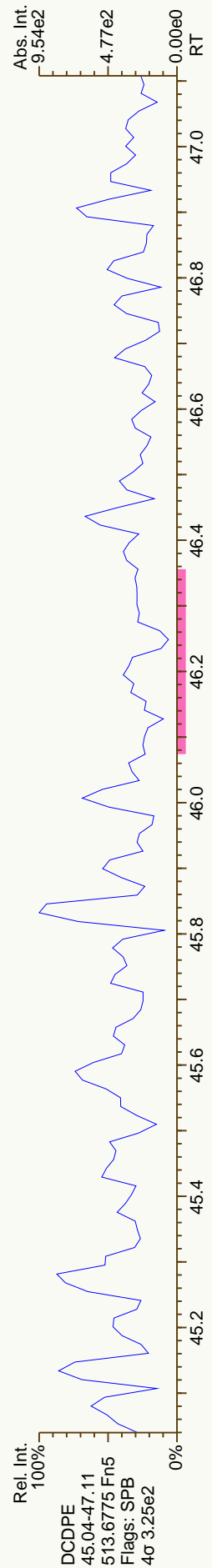
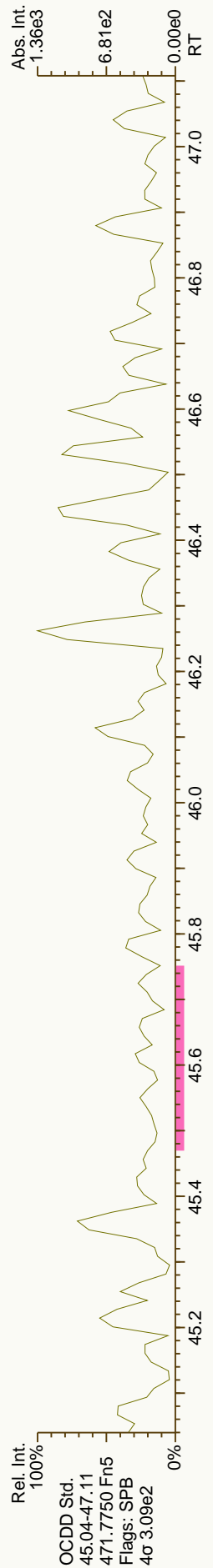
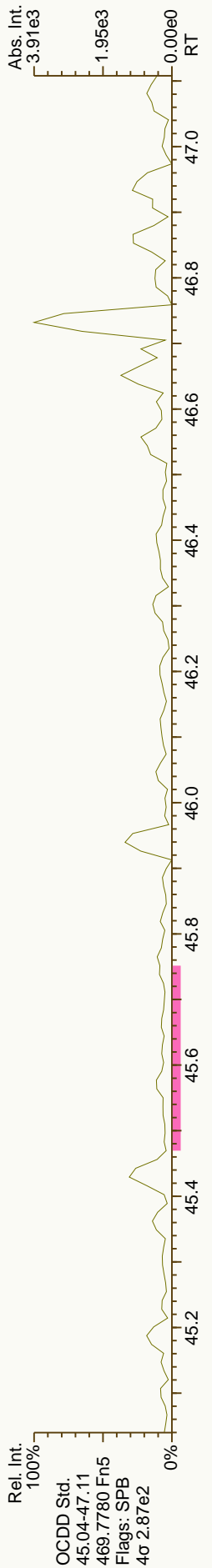
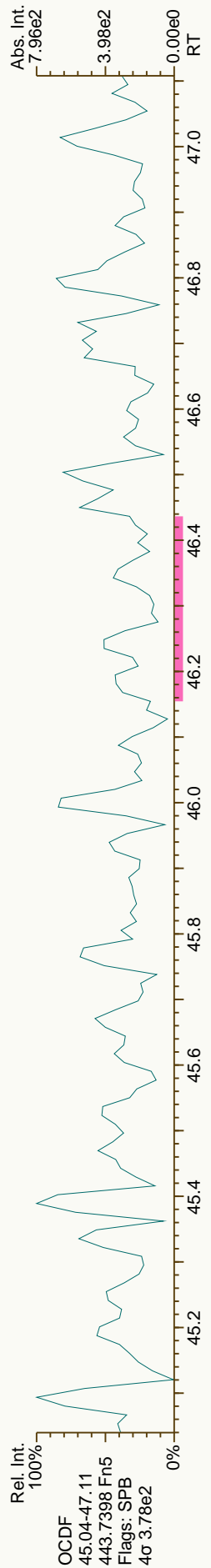
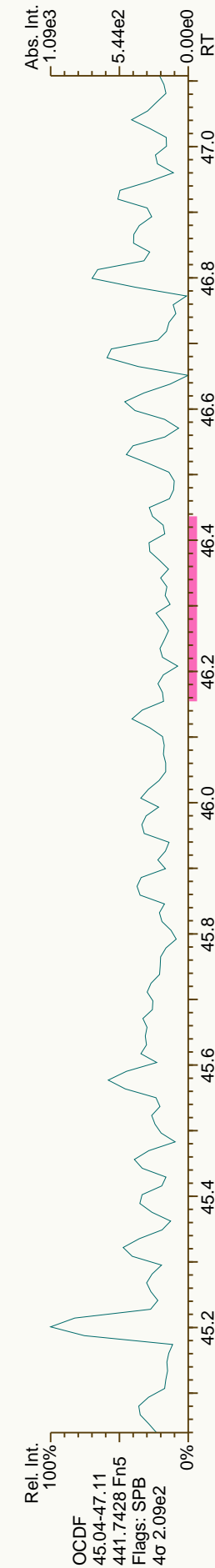


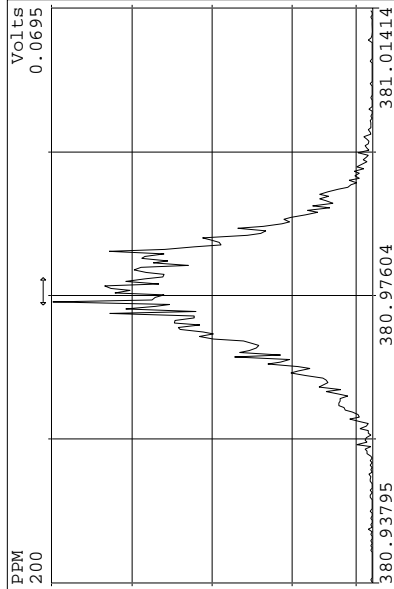
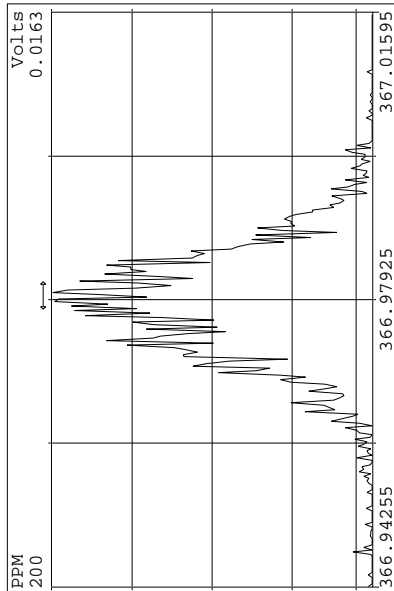
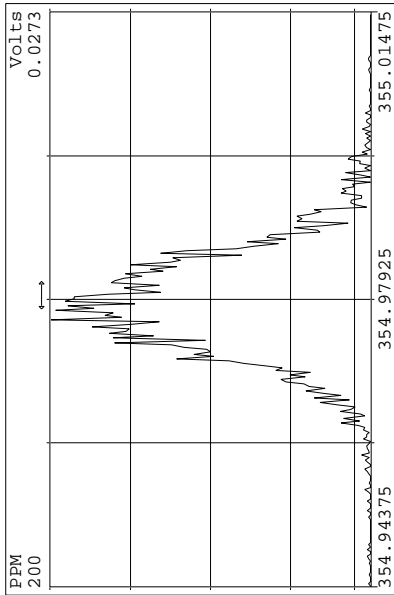
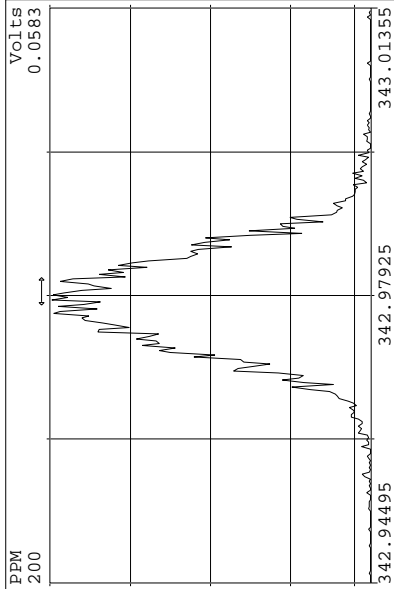
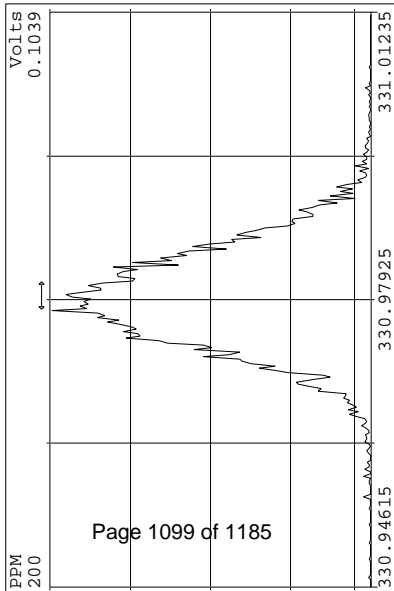
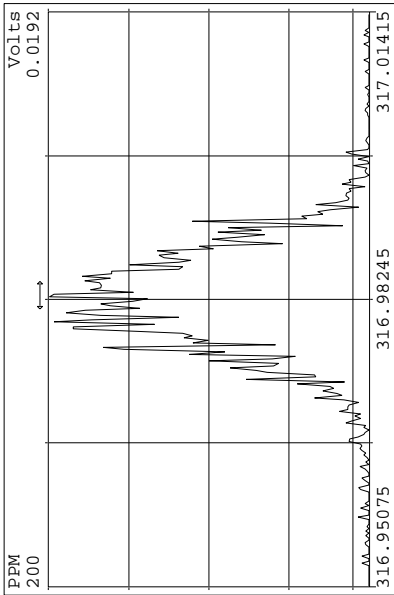
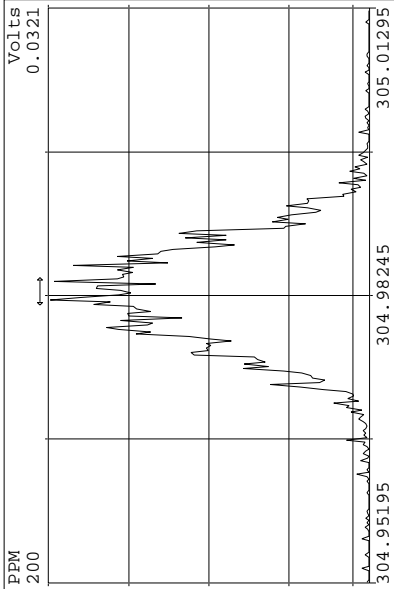
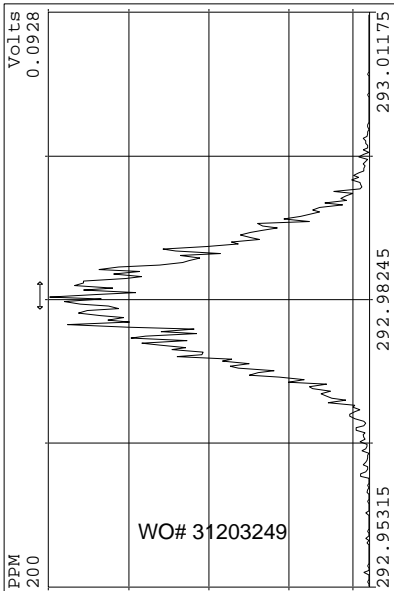


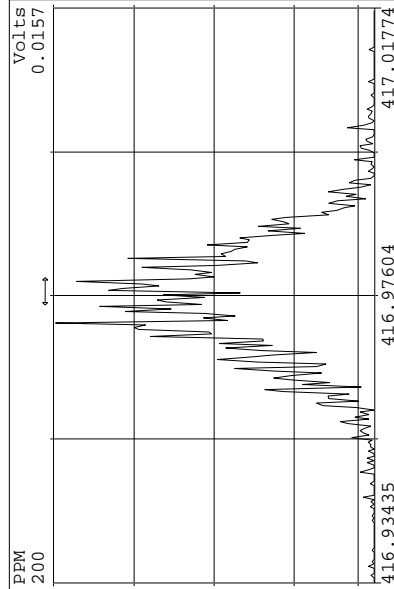
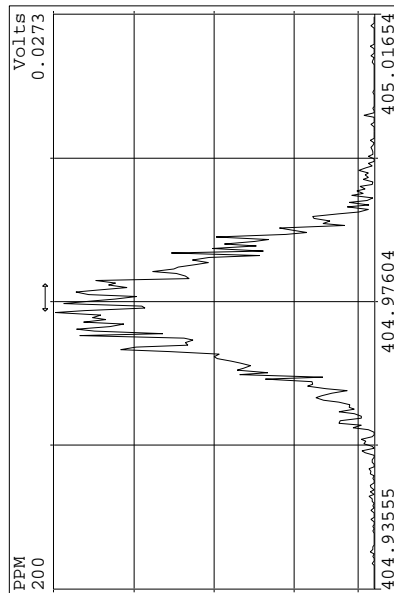
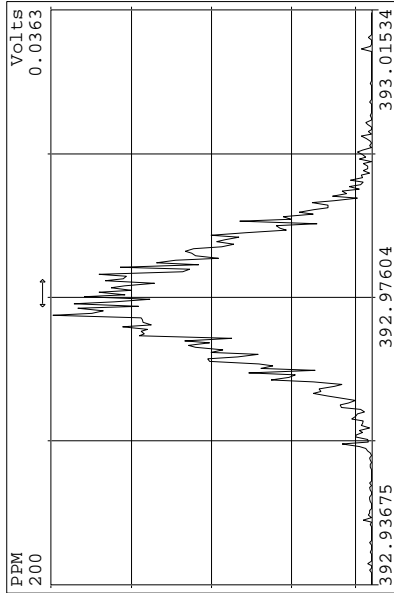
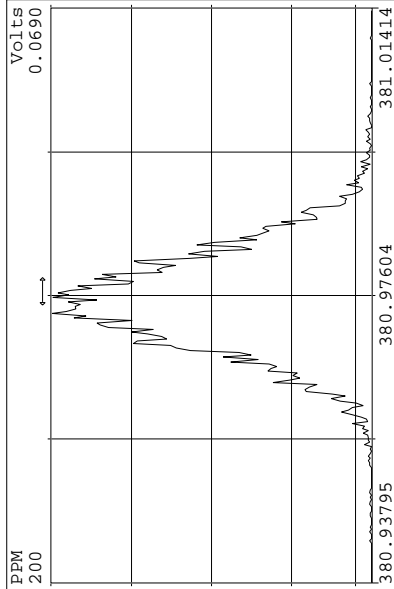
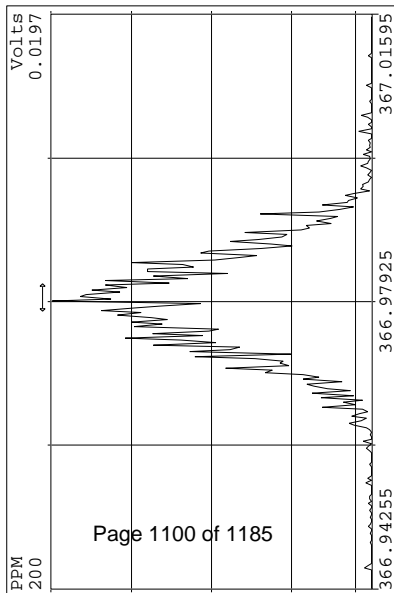
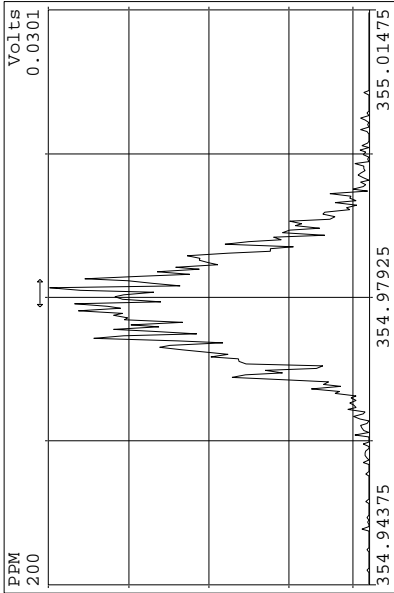
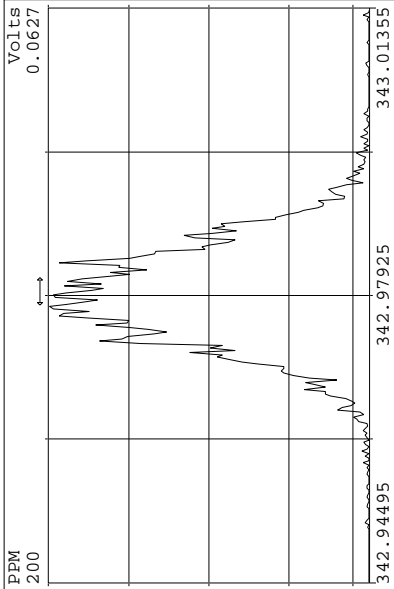
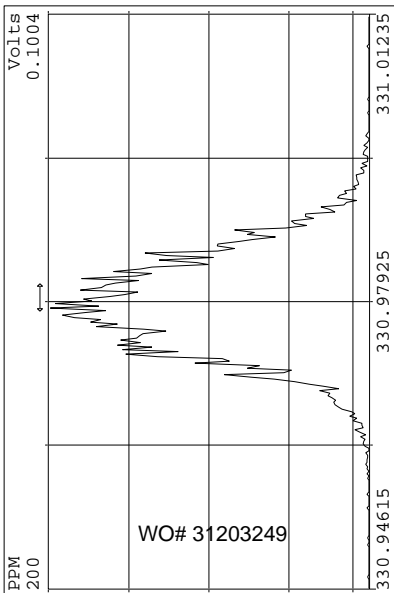


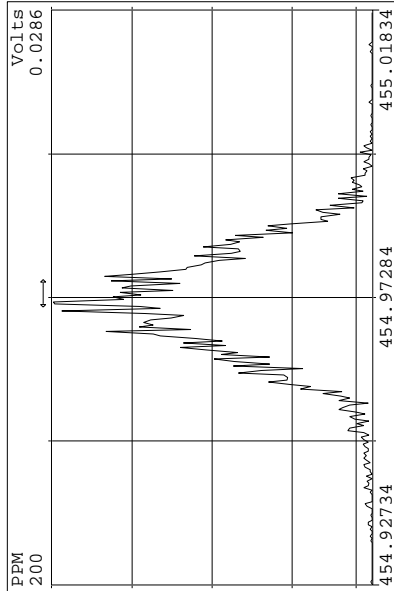
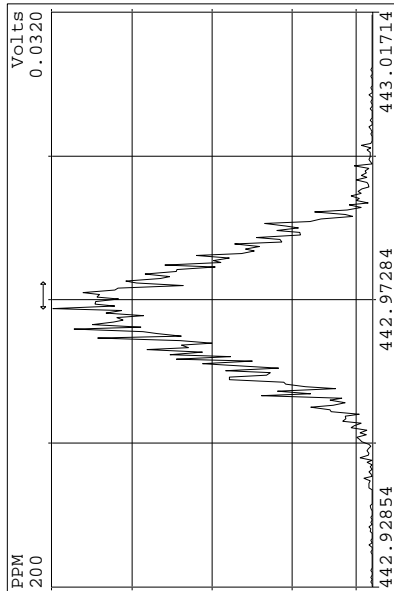
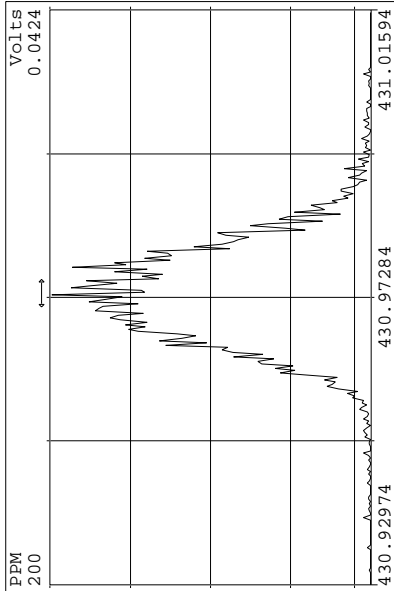
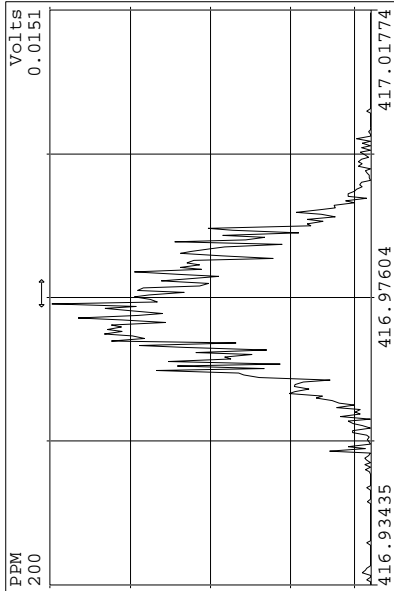
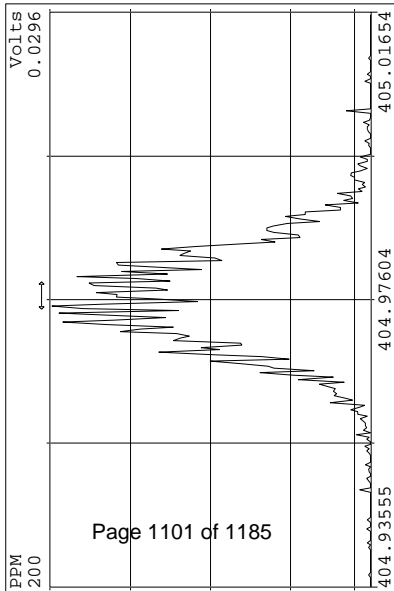
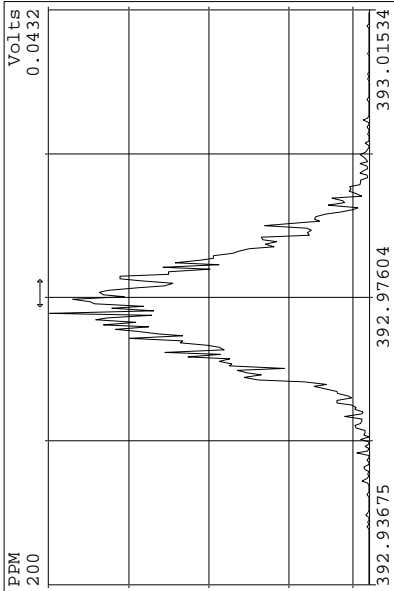
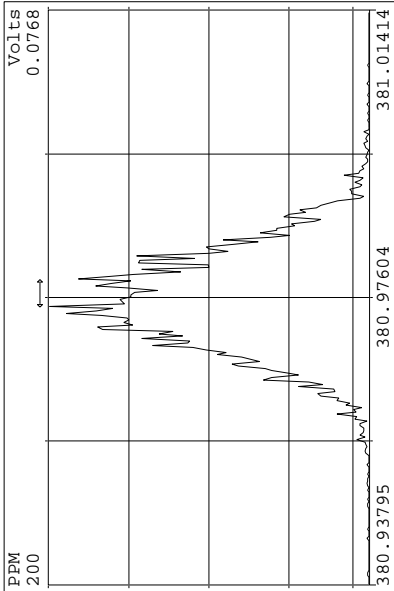
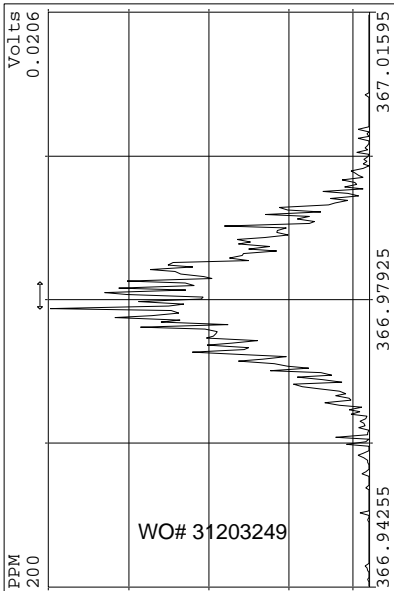


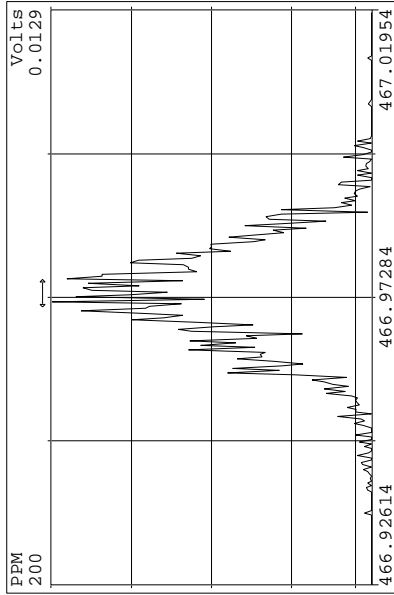
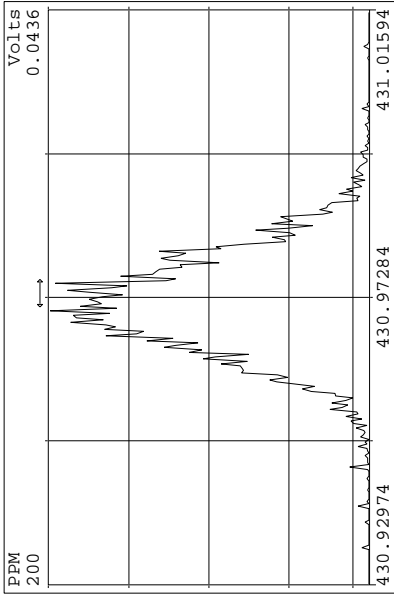
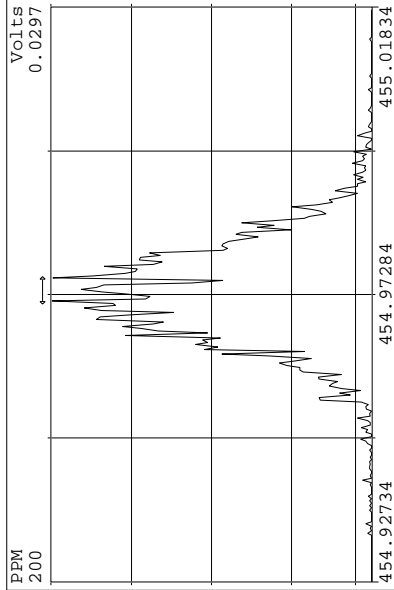
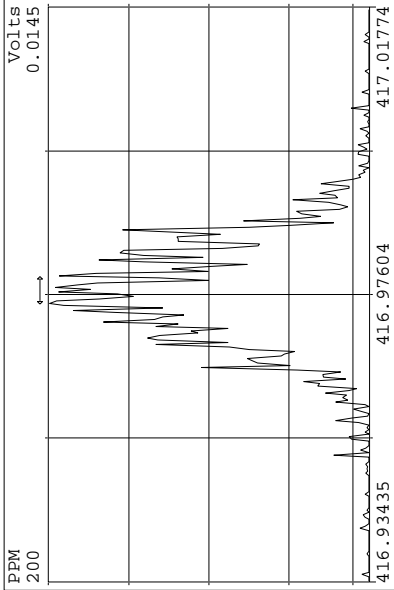
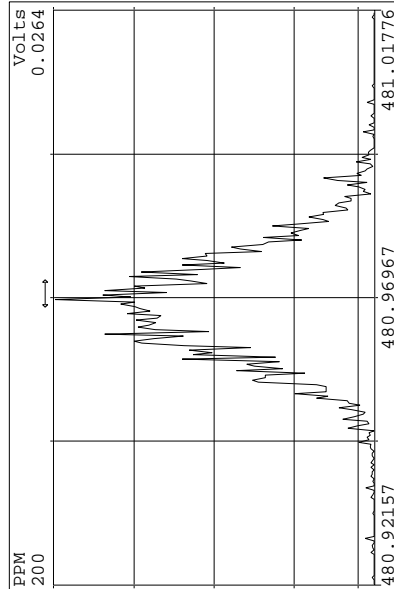
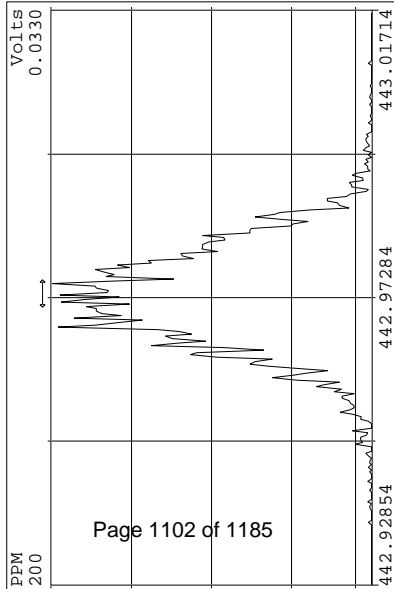
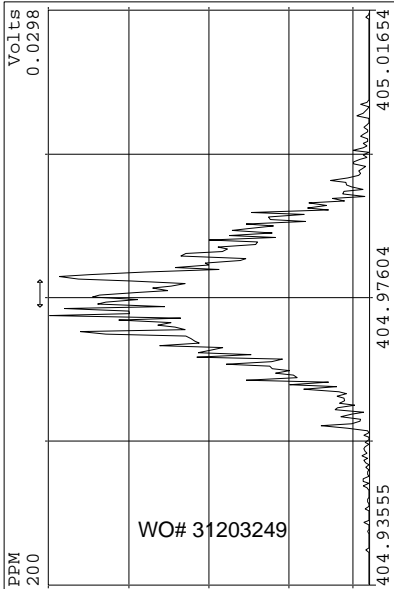


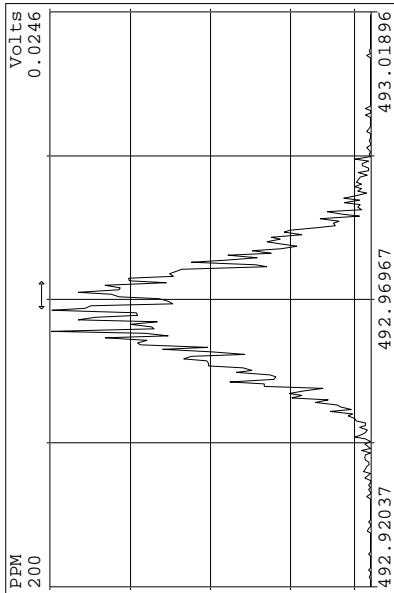
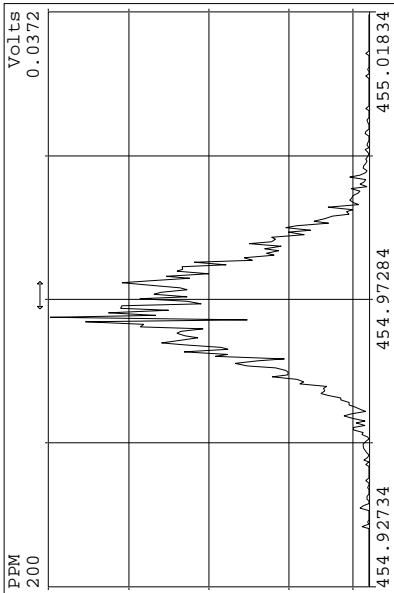
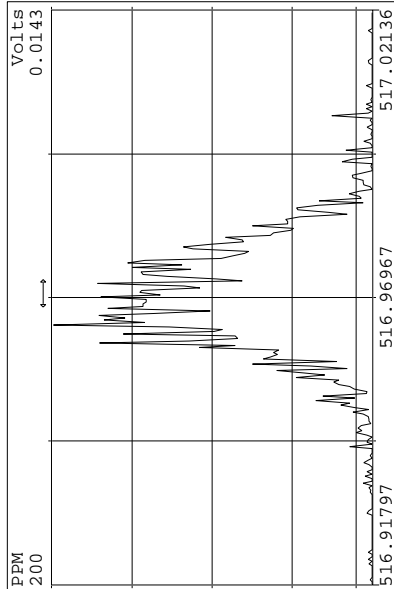
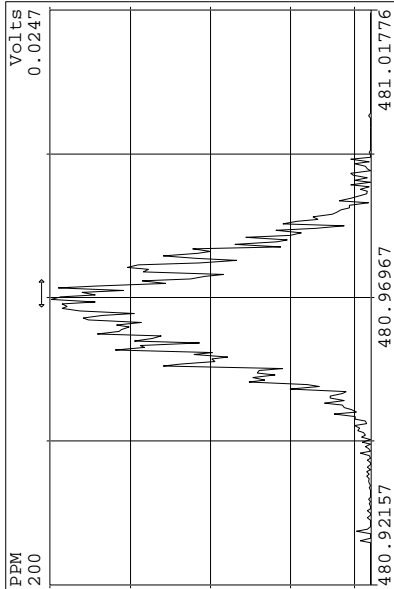
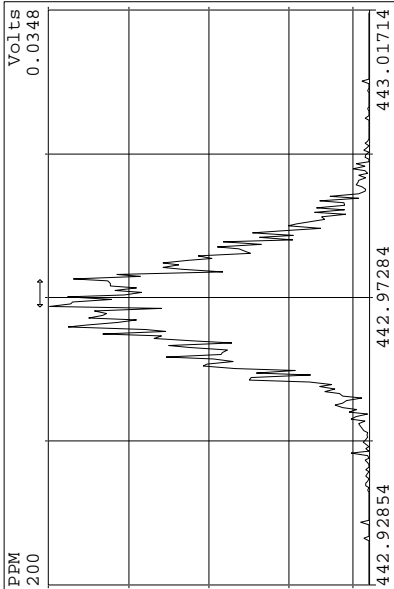
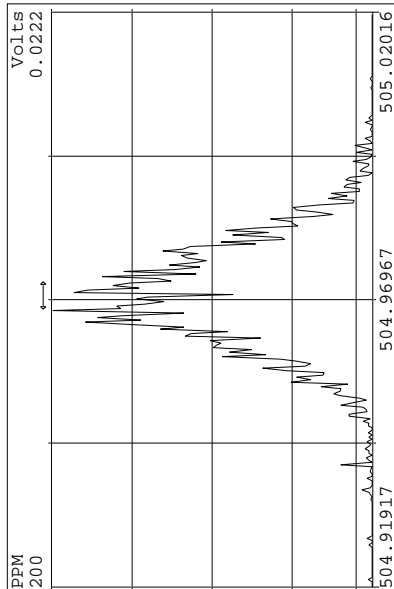
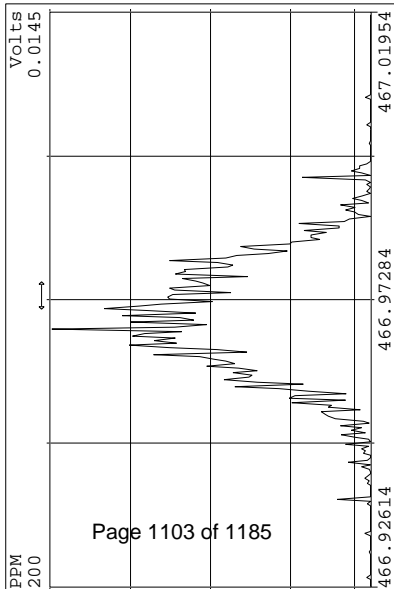
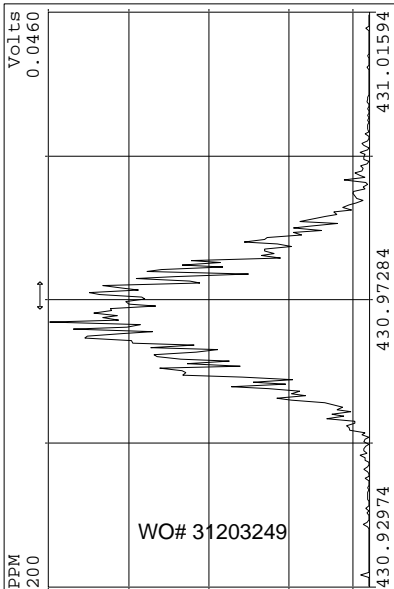


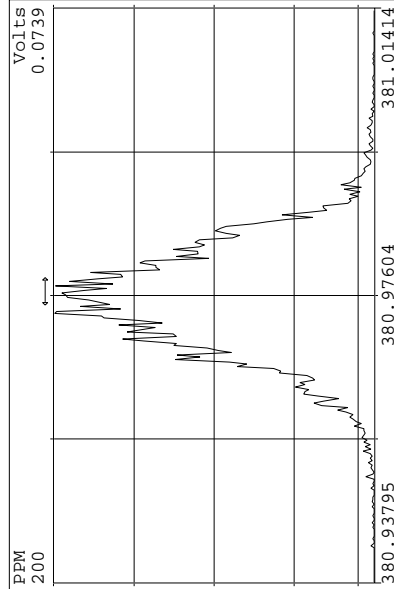
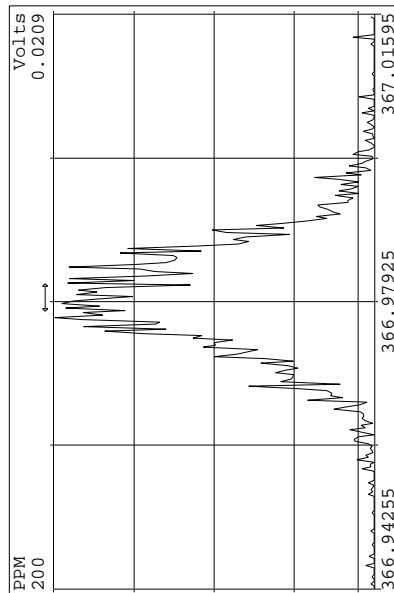
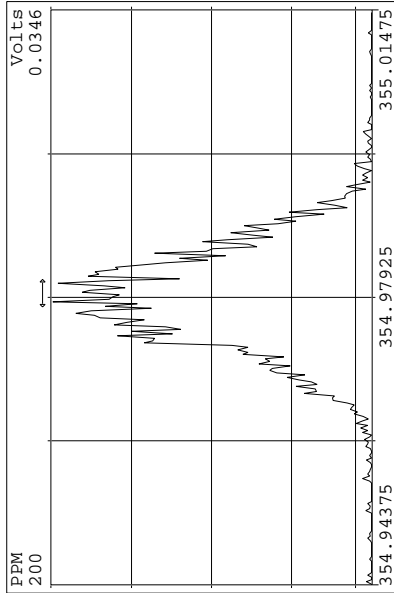
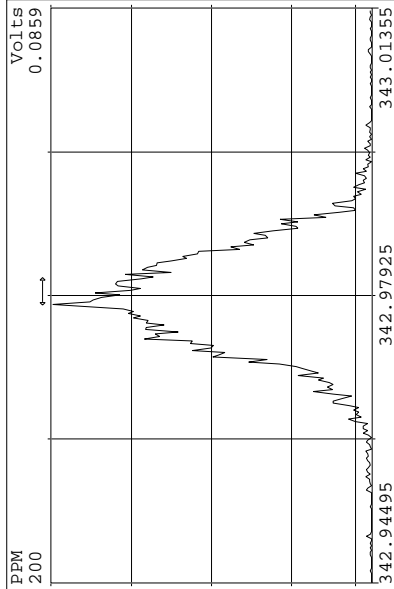
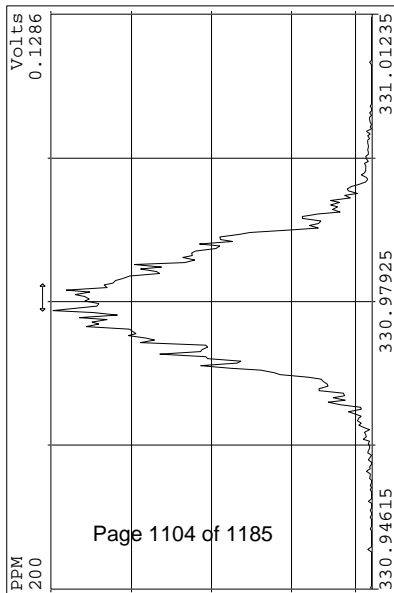
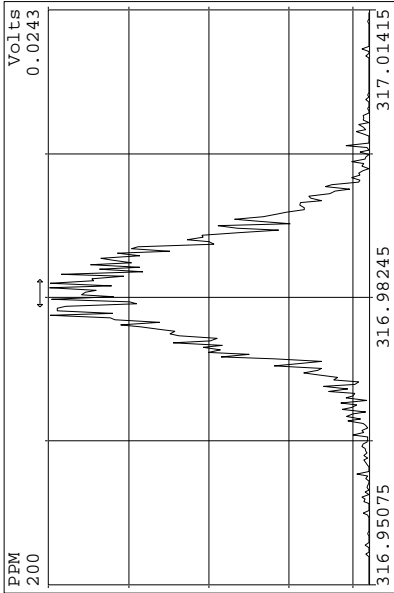
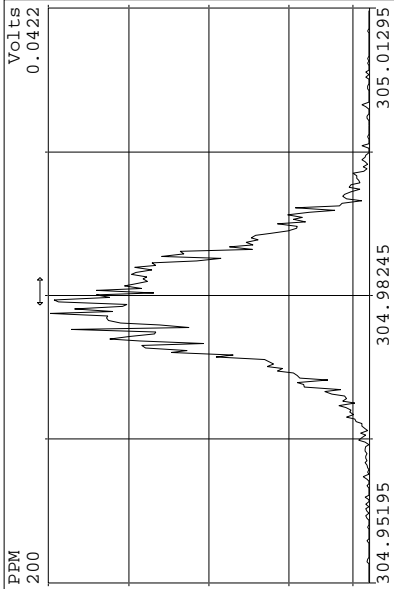
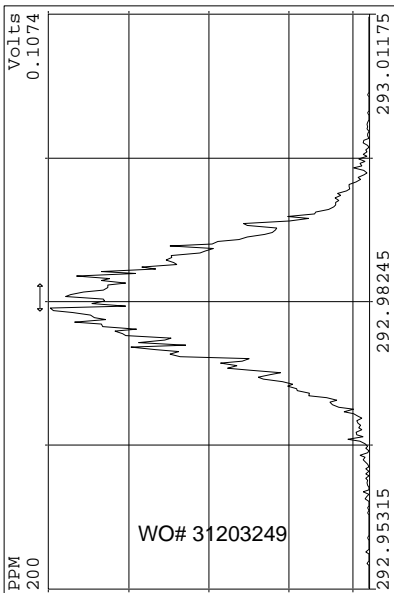


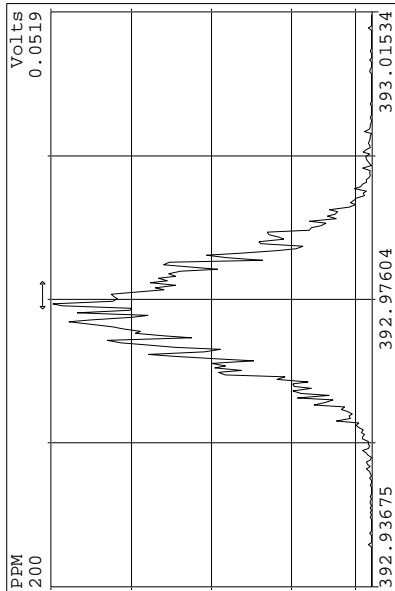
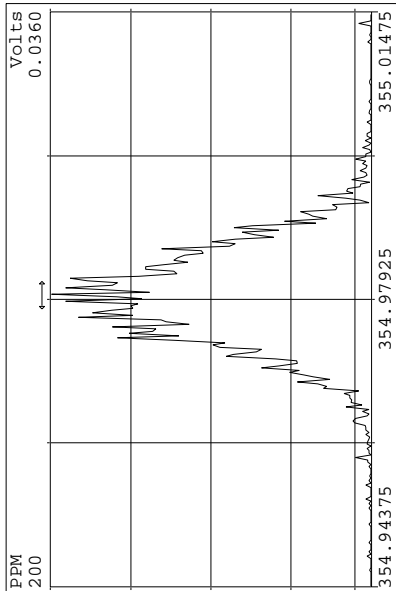
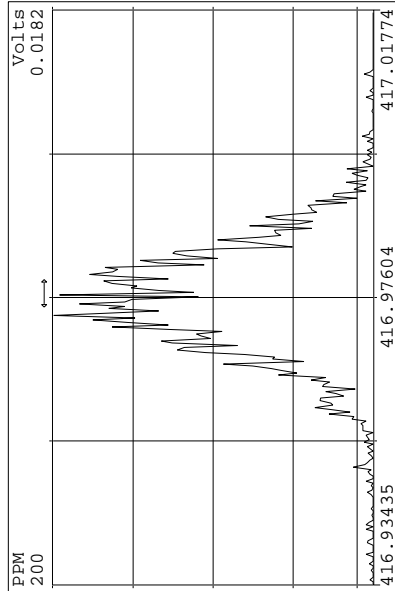
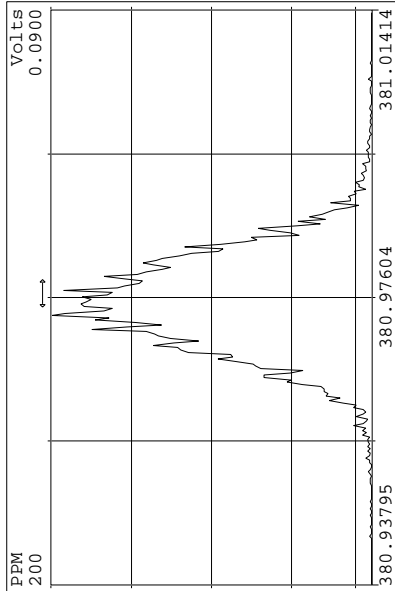
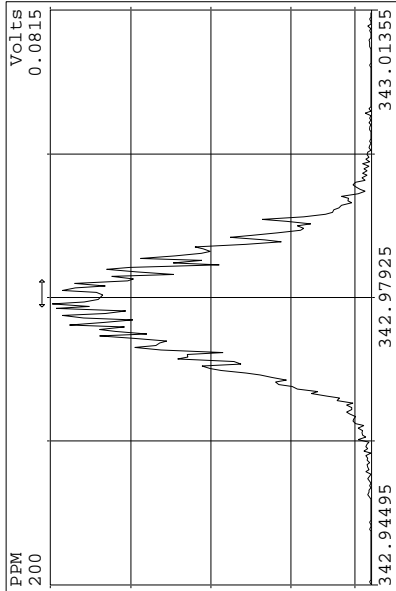
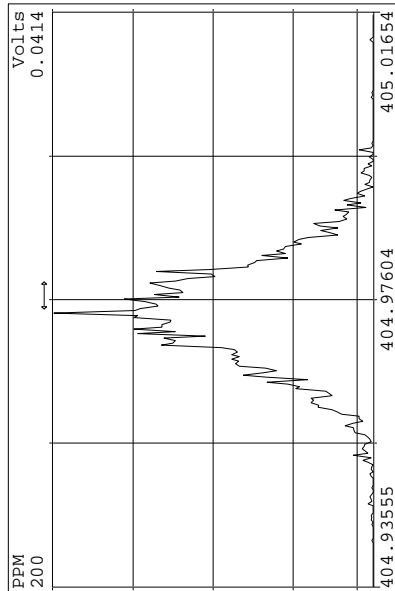
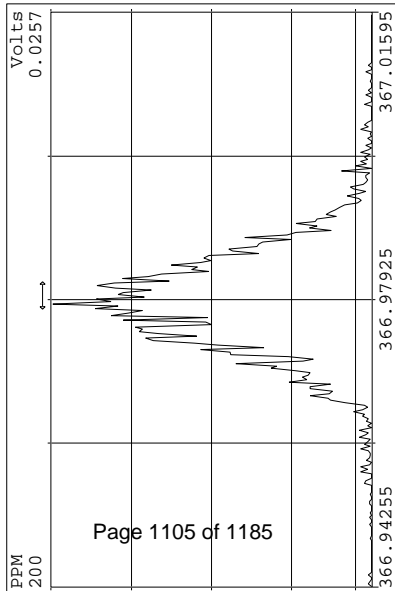
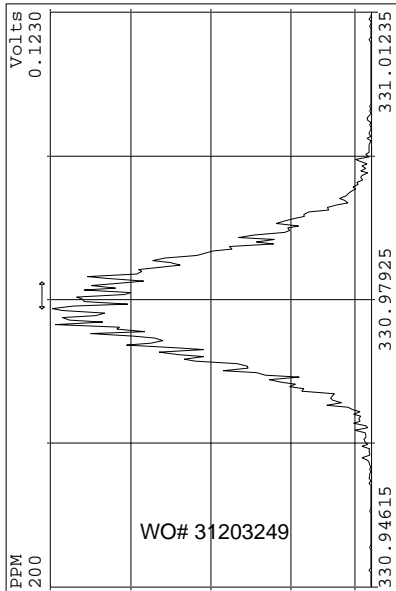


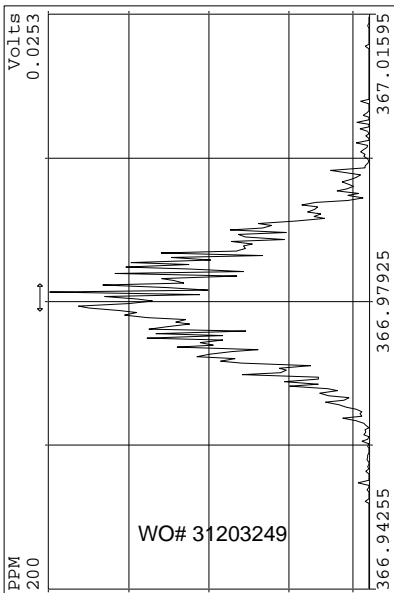




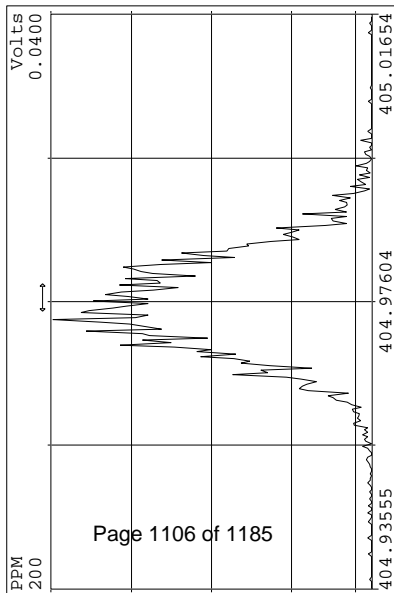




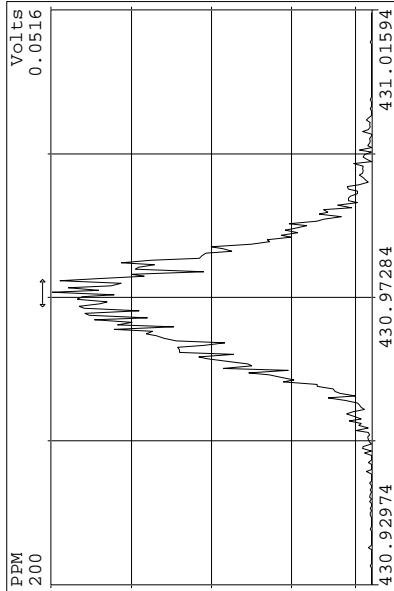
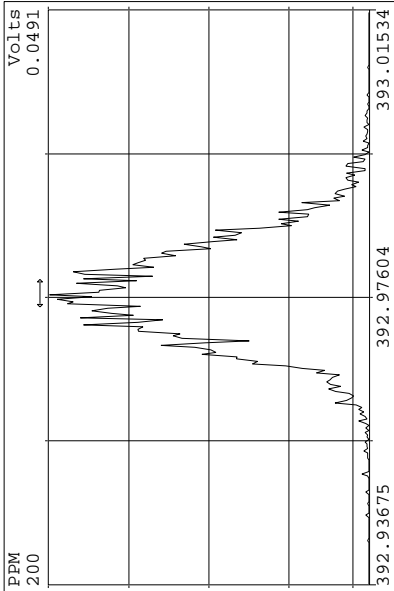
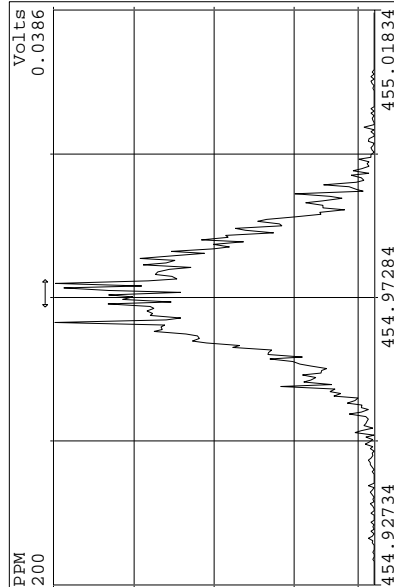
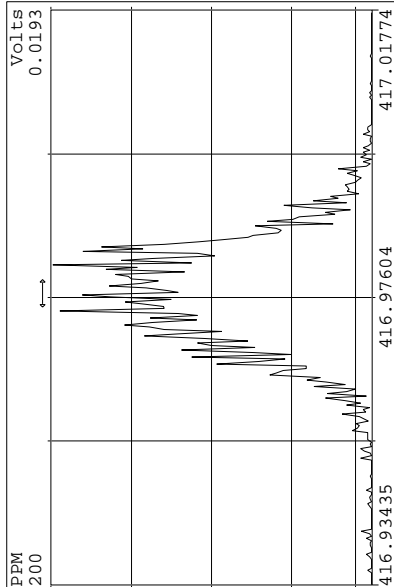
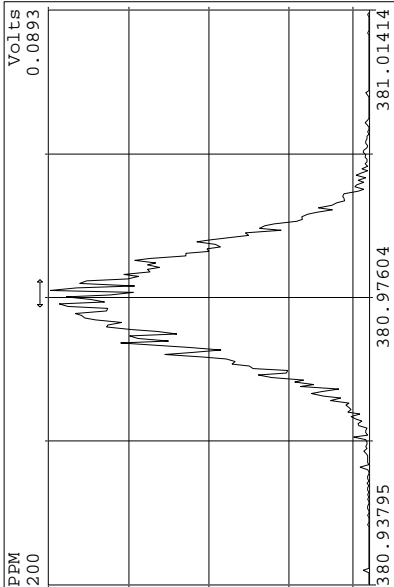


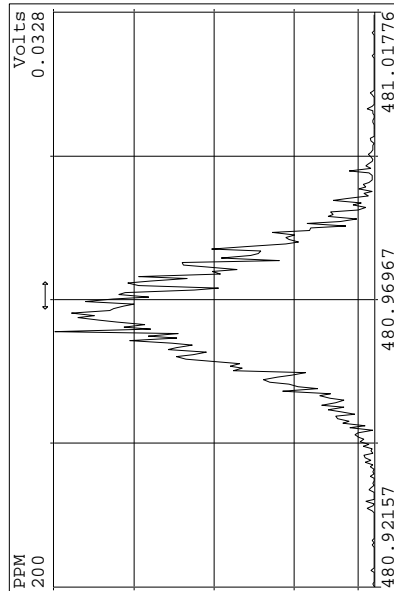
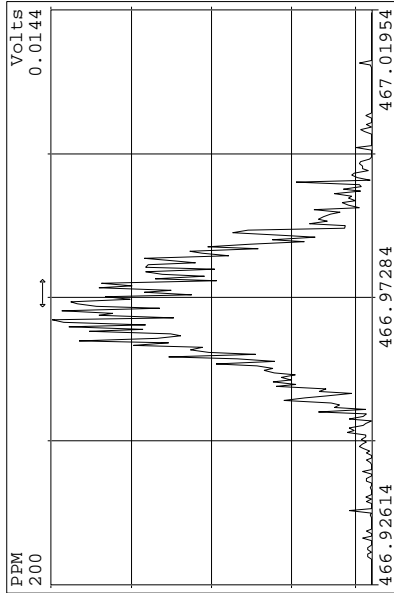
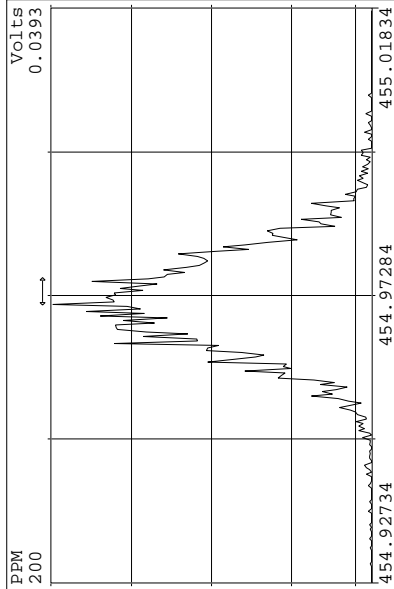
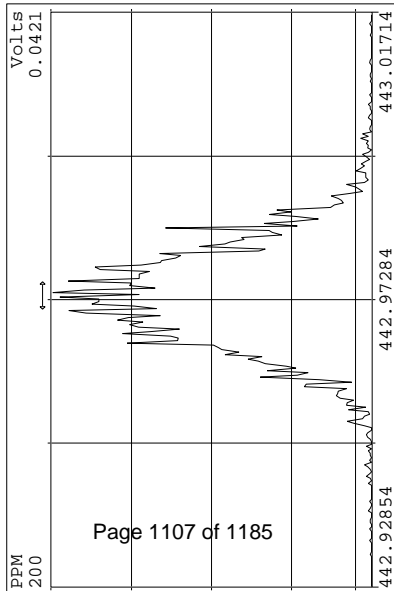
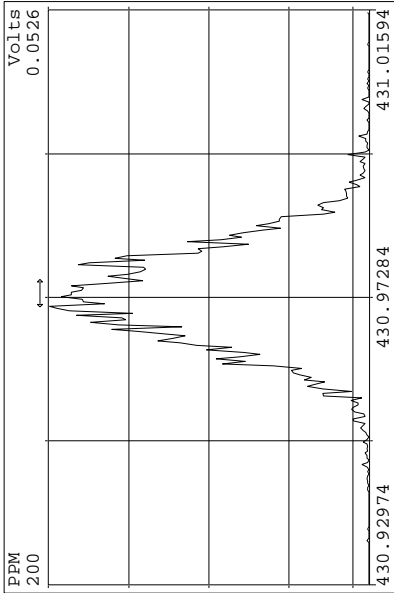
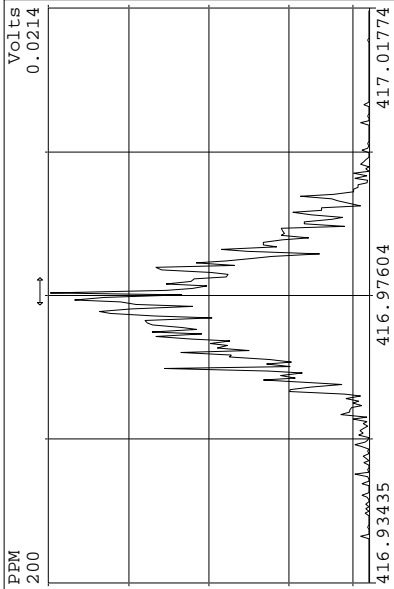
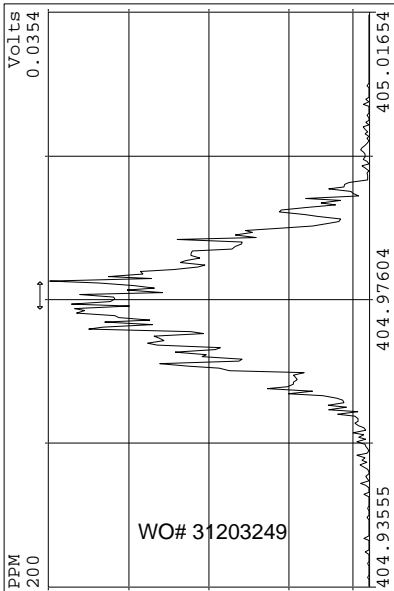


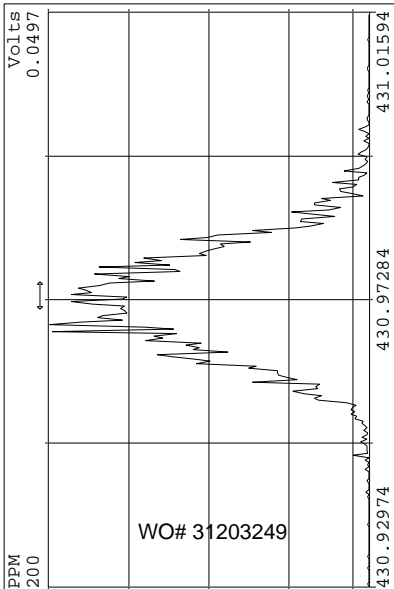
WO# 31203249



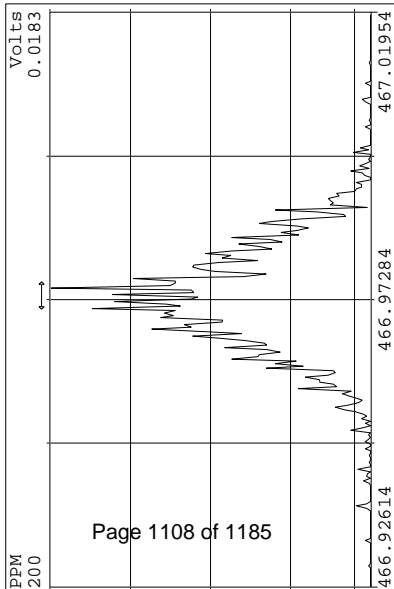
Page 1106 of 1185



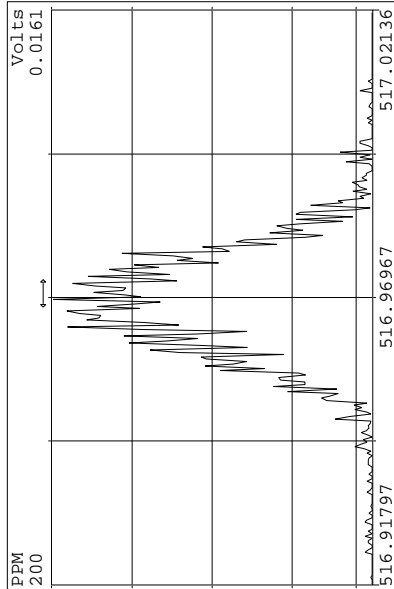
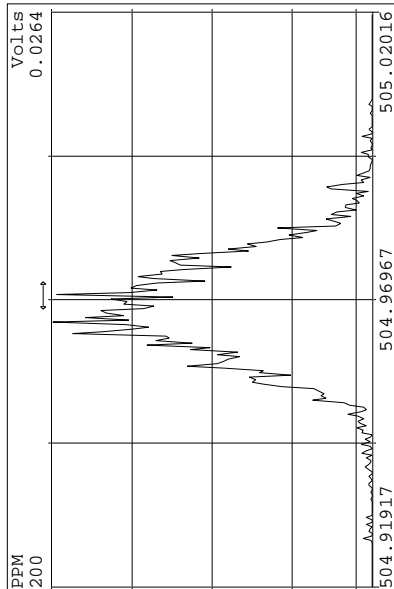
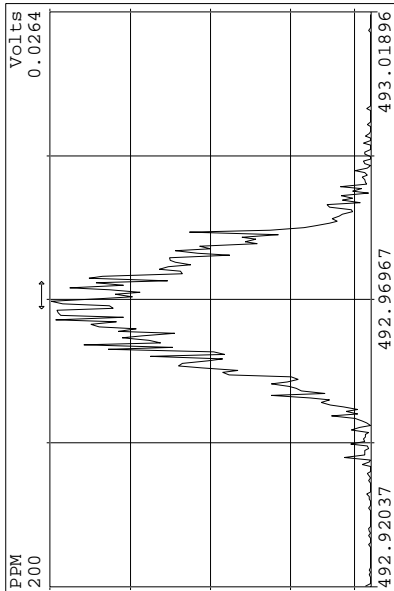
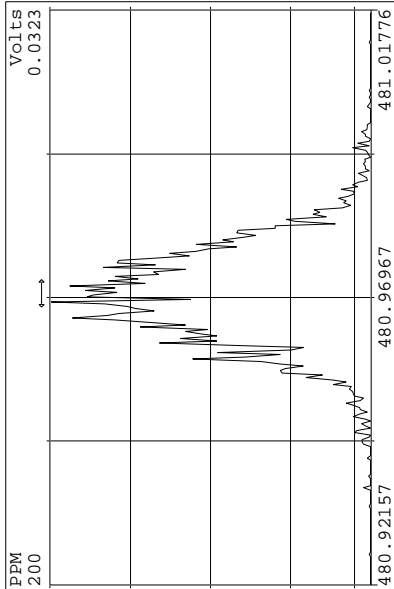
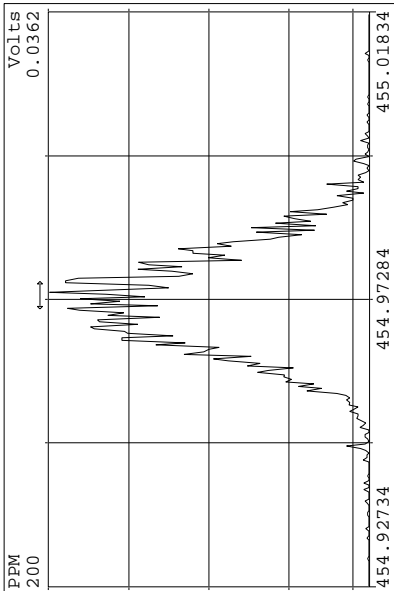
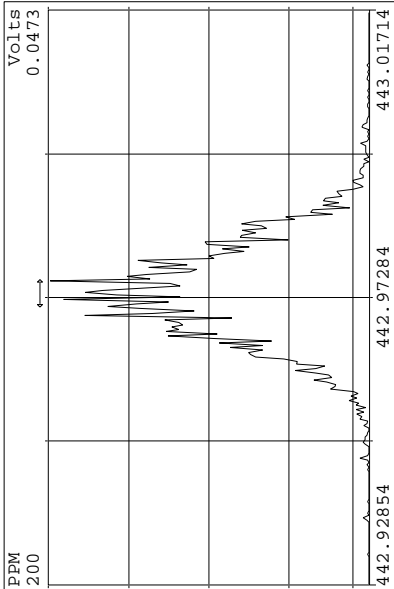




WO# 31203249



Page 1108 of 1185



SGS North America, Inc.

Instrument: HRMS3

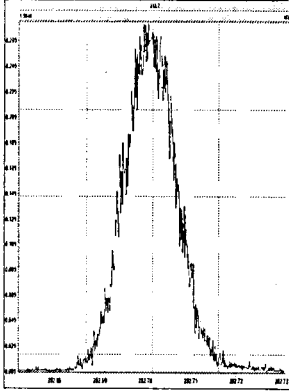
Data File	Sample ID	Analyst	Acquisition Date/Time	Inj.Vol
c31oct12b-1	VFX Retcon - <i>REJECT</i>	JHL	2012-10-31 13:48:55	1 uL
c31oct12b-2	VFX Retcon ✓ <i>PASS CONFIRM</i>	JHL	2012-10-31 14:52:07	1 uL
c31oct12b-3	Solvent Blank ✓	JHL	2012-10-31 15:26:21	1 uL
c31oct12b-4	31203249001 ✓	JHL	2012-10-31 16:08:39	1 uL
c31oct12b-5	31203249002 ✓	JHL	2012-10-31 16:42:50	1 uL
c31oct12b-6	31203249003 ✓	JHL	2012-10-31 17:17:01	1 uL
c31oct12b-7	31203249004 ✓	JHL	2012-10-31 17:51:16	1 uL
c31oct12b-8	31203249005 ✓	JHL	2012-10-31 18:25:31	1 uL
c31oct12b-9	31203249006 ✓	JHL	2012-10-31 18:59:44	1 uL
c31oct12b-10	31203249007 ✓	JHL	2012-10-31 19:33:58	1 uL
c31oct12b-11	31203249008 ✓	JHL	2012-10-31 20:08:09	1 uL
c31oct12b-12	31203249009 ✓	JHL	2012-10-31 20:42:19	1 uL
c31oct12b-13	31203249010 ✓	JHL	2012-10-31 21:16:33	1 uL
c31oct12b-14	31203249011 ✓	JHL	2012-10-31 21:50:46	1 uL
c31oct12b-15	31203249012 ✓	JHL	2012-10-31 22:24:59	1 uL
c31oct12b-16	31203259008 ✓	JHL	2012-10-31 22:59:12	1 uL
c31oct12b-17	VFX Retcon - <i>PASS CONFIRM</i>	JHL	2012-10-31 23:33:25	1 uL
c31oct12b-18	Solvent Blank	JHL	2012-11-01 00:15:25	1 uL

*PRINTED
At 11/1/12*

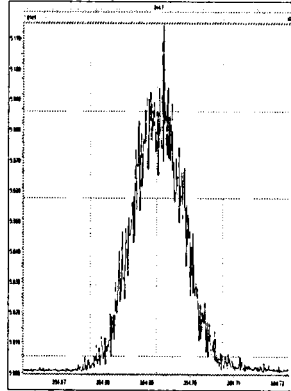
Rev mmt 11/1/12

Printed: Wednesday, October 31, 2012 13:48:47 Eastern Daylight Time

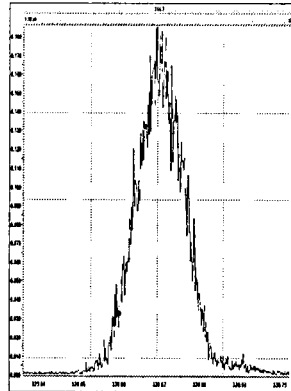
M 292.9824 R 11554



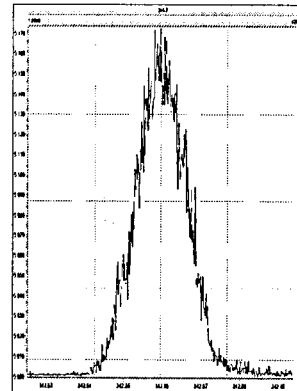
M 304.9824 R 12237



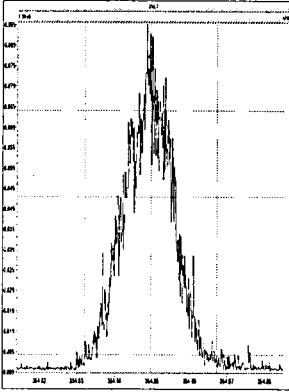
M 330.9792 R 12537



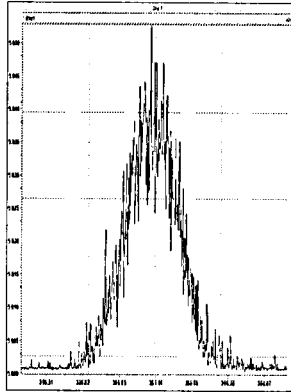
M 342.9792 R 11574



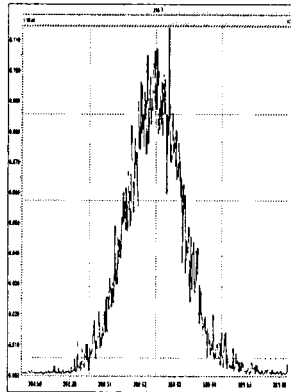
M 354.9792 R 11893



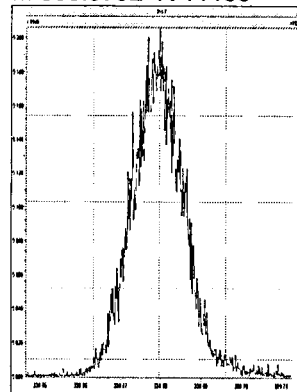
M 366.9792 R 11114



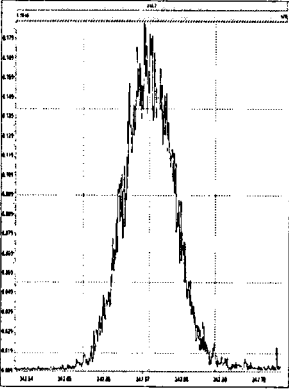
M 380.9760 R 10445



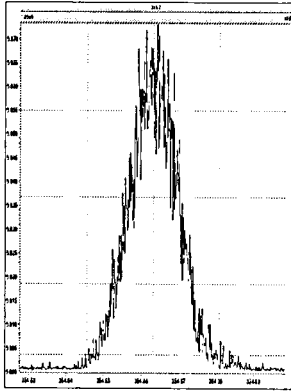
M 330.9792 R 11186



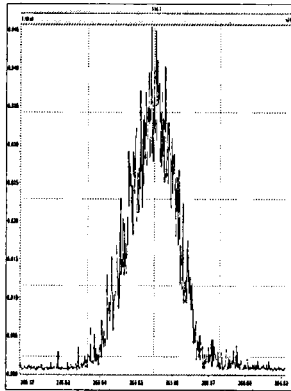
M 342.9792 R 11860



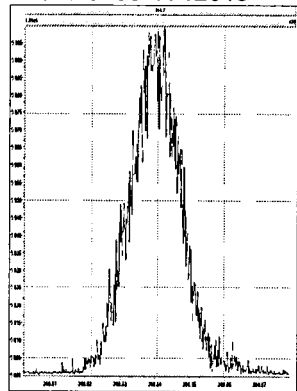
M 354.9792 R 12195



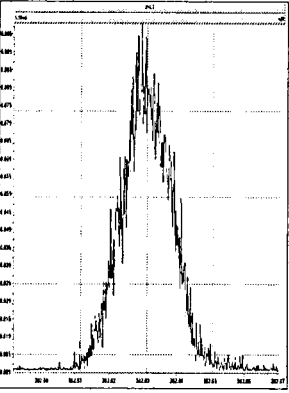
M 366.9792 R 12956



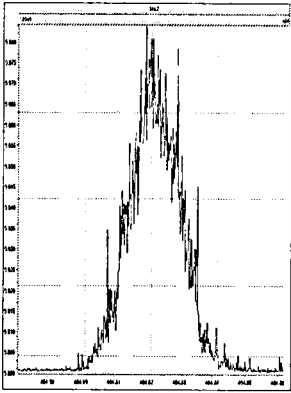
M 380.9760 R 12019



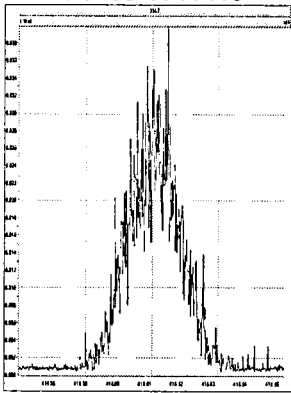
M 392.9760 R 12140



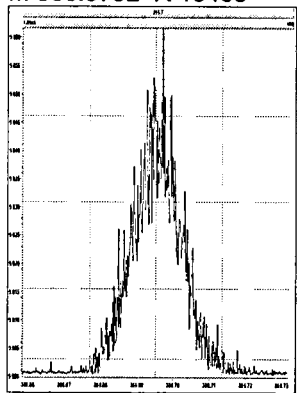
M 404.9760 R 11646



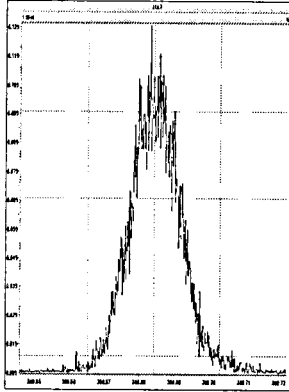
M 416.9760 R 11416



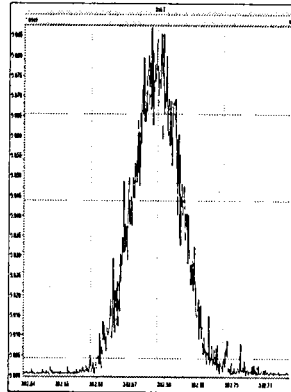
M 366.9792 R 13485



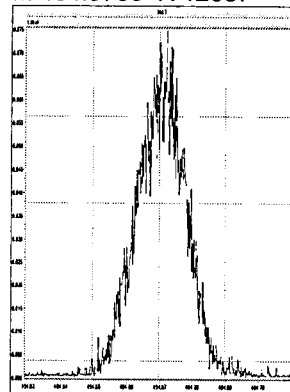
M 380.9760 R 11416



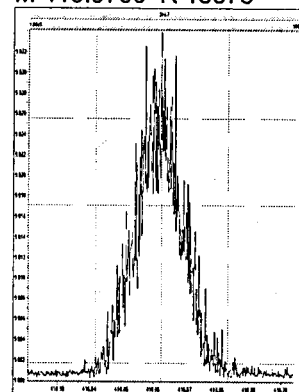
M 392.9760 R 12853



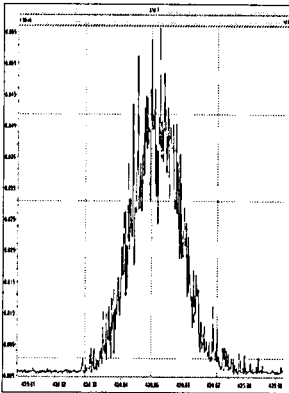
M 404.9760 R 12687



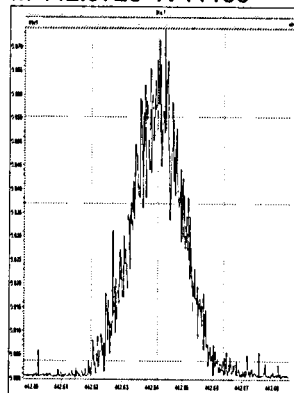
M 416.9760 R 13378



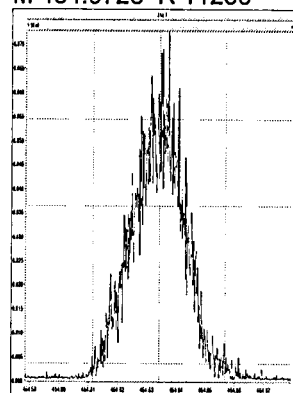
M 430.9728 R 11749



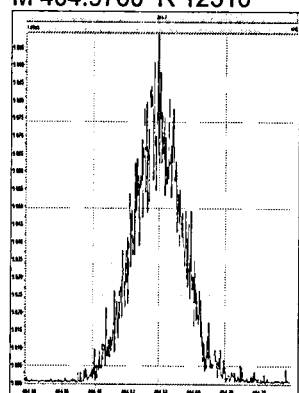
M 442.9728 R 11186



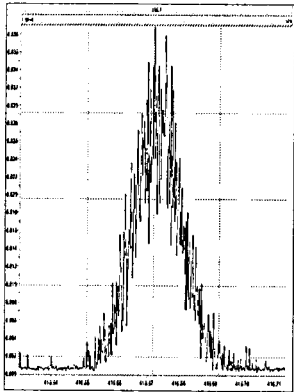
M 454.9728 R 11236



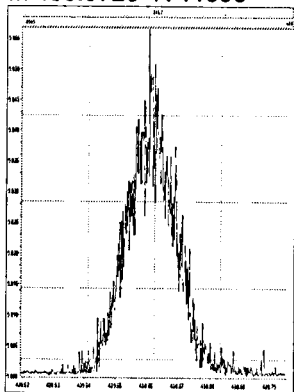
M 404.9760 R 12510



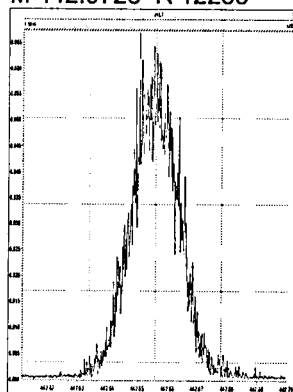
M 416.9760 R 13592



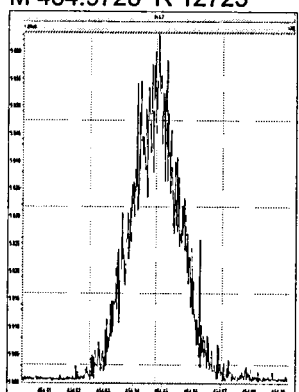
M 430.9728 R 11995



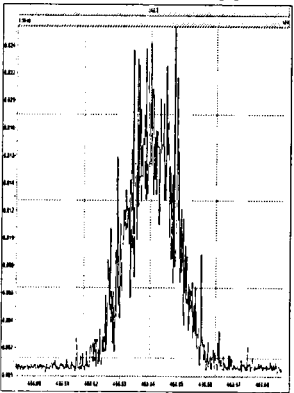
M 442.9728 R 12285



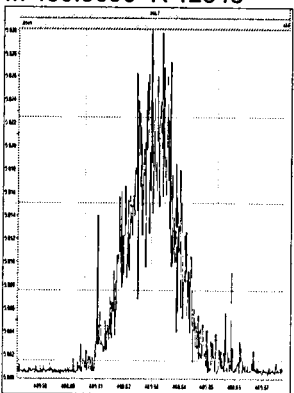
M 454.9728 R 12723



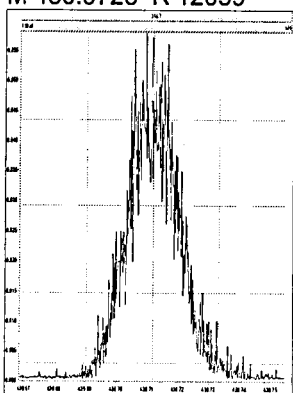
M 466.9728 R 13236



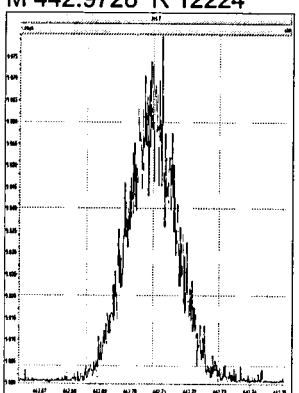
M 480.9696 R 12348



M 430.9728 R 12059

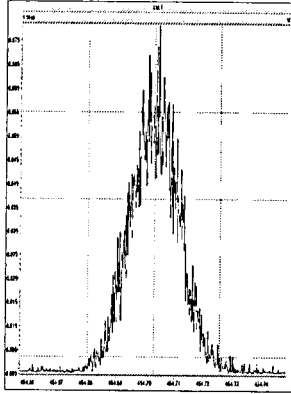


M 442.9728 R 12224

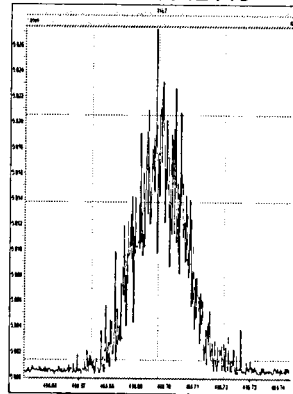


Printed: Wednesday, October 31, 2012 13:48:47 Eastern Daylight Time

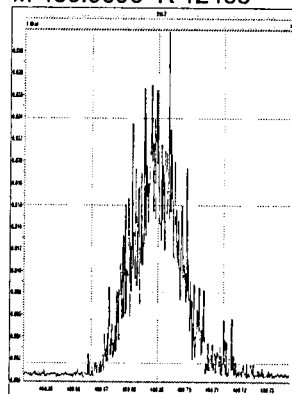
M 454.9728 R 12563



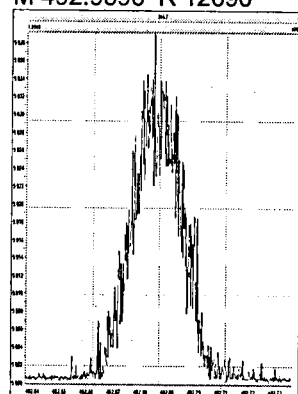
M 466.9728 R 12143



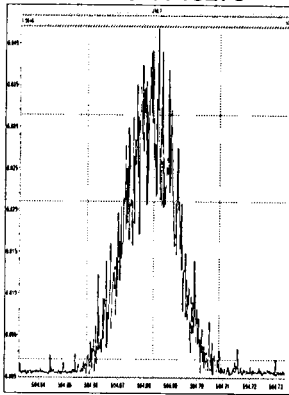
M 480.9696 R 12468



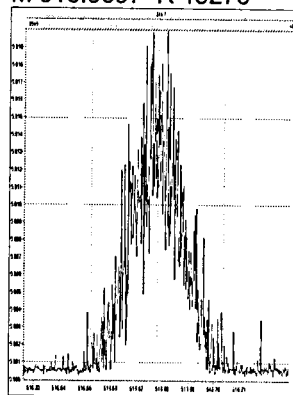
M 492.9696 R 12690



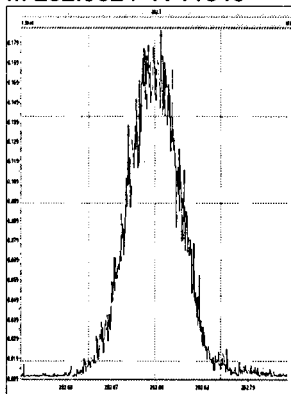
M 504.9696 R 13273



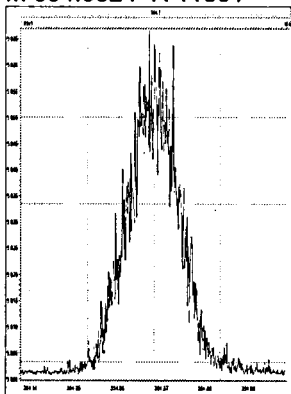
M 516.9697 R 13276



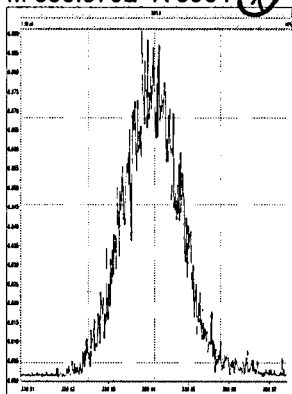
M 292.9824 R 11340



M 304.9824 R 11861

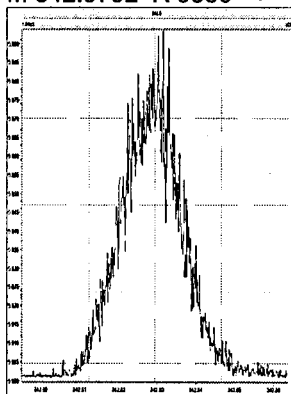


M 330.9792 R 9984

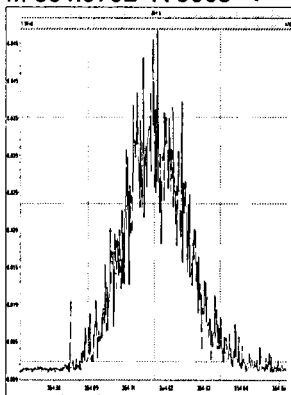


SEE ANALYST NOTE *

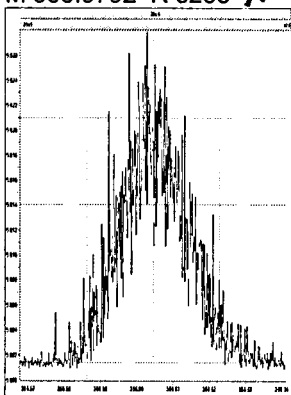
M 342.9792 R 9536 *



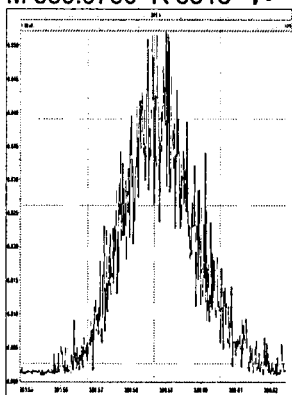
M 354.9792 R 9065 *



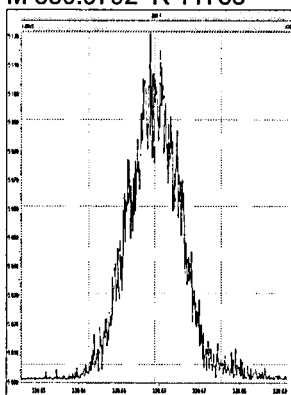
M 366.9792 R 3255 *



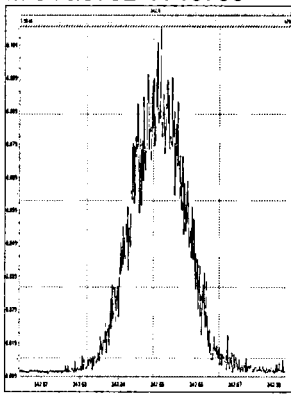
M 380.9760 R 8318 *



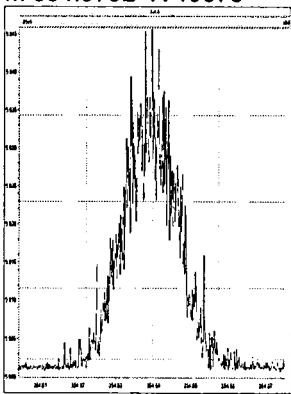
M 330.9792 R 11788



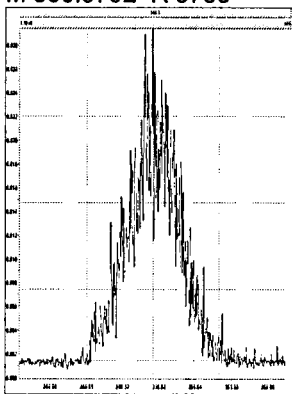
M 342.9792 R 10730



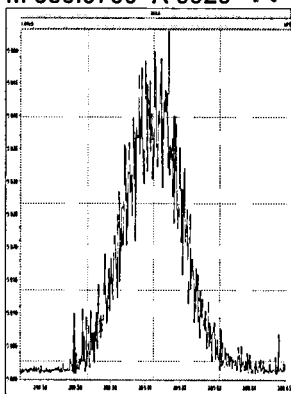
M 354.9792 R 10578



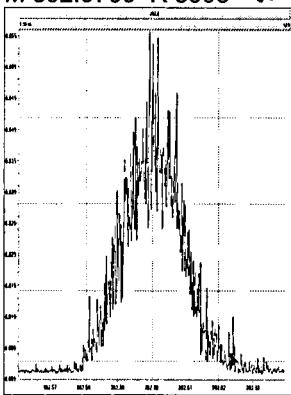
M 366.9792 R 3753 *



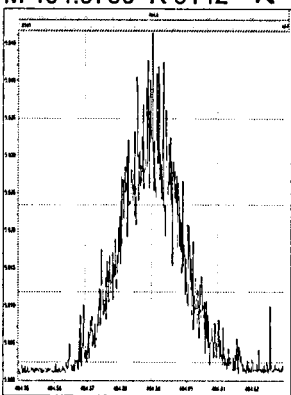
M 380.9760 R 9920 *



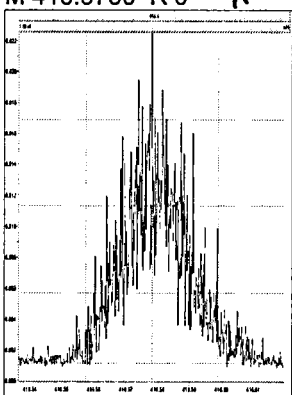
M 392.9760 R 8998 *



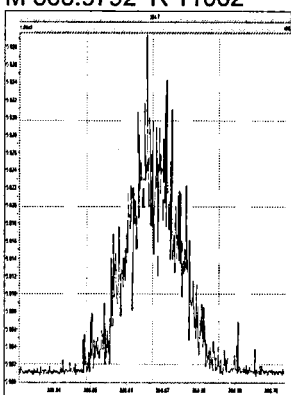
M 404.9760 R 9142 *



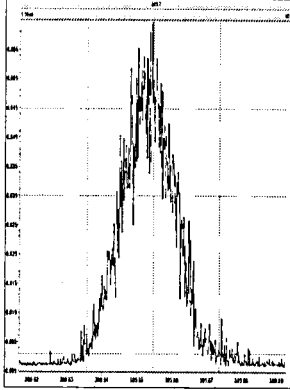
M 416.9760 R 0 *



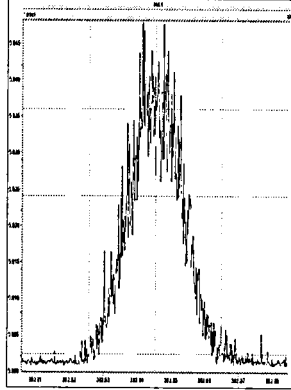
M 366.9792 R 11062



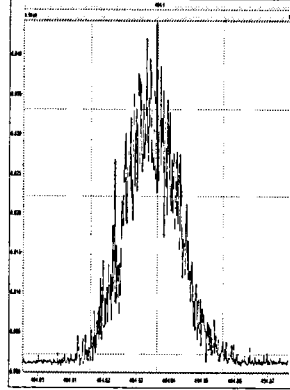
M 380.9760 R 11399



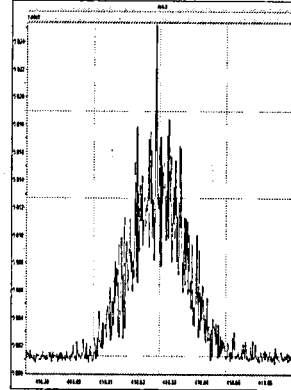
M 392.9760 R 10288



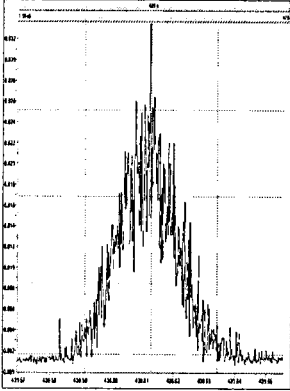
M 404.9760 R 10167



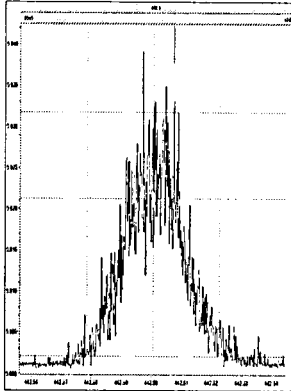
M 416.9760 R 0 *



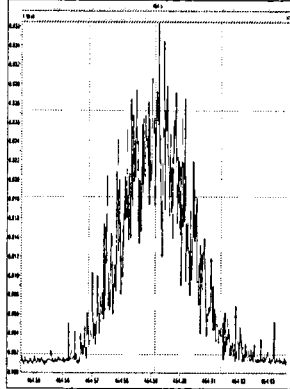
M 430.9728 R 4646 *



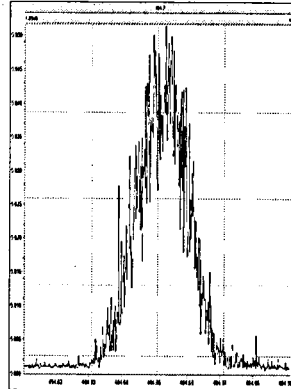
M 442.9728 R 10080 *



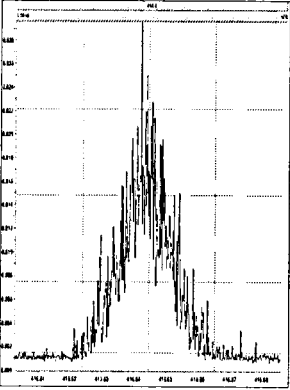
M 454.9728 R 7350



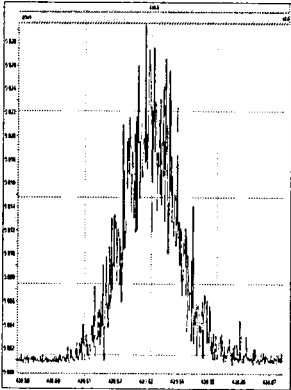
M 404.9760 R 11101



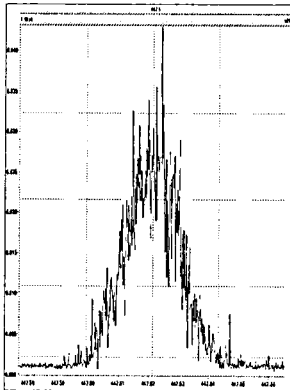
M 416.9760 R 11868



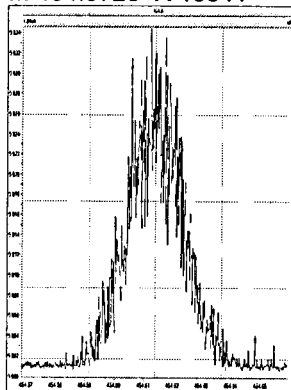
M 430.9728 R 13369



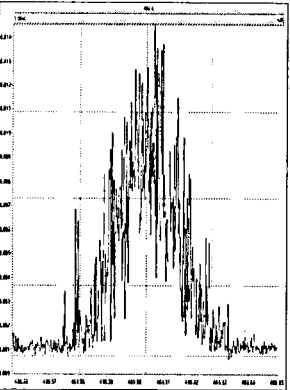
M 442.9728 R 11114



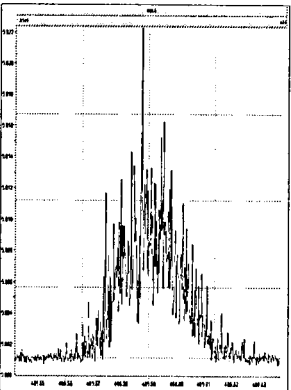
M 454.9728 R 10941



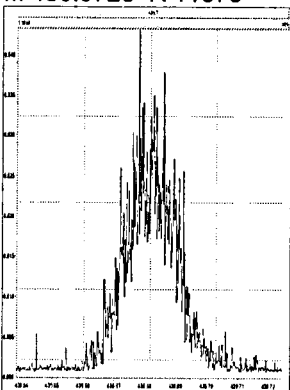
M 466.9728 R 0 *



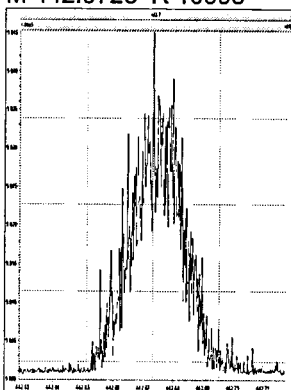
M 480.9696 R 0 *



M 430.9728 R 11876

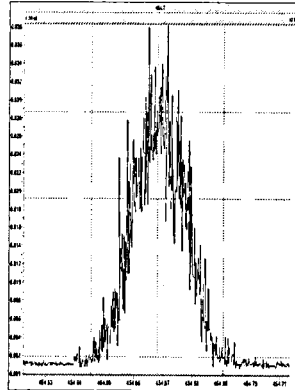


M 442.9728 R 10995

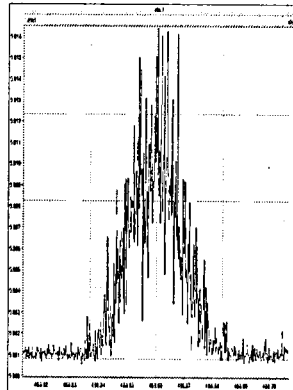


Printed: Thursday, November 01, 2012 00:15:23 Eastern Daylight Time

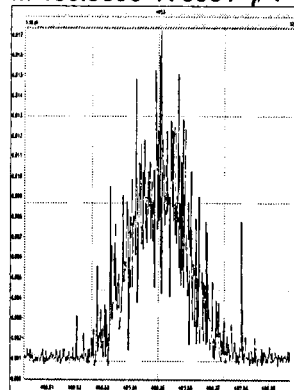
M 454.9728 R 11548



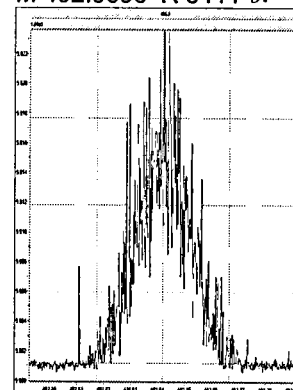
M 466.9728 R 0



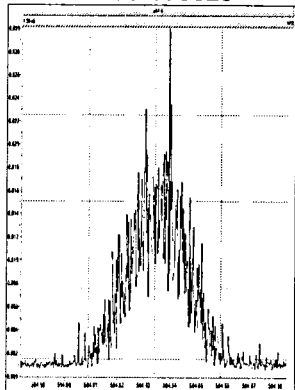
M 480.9696 R 3551



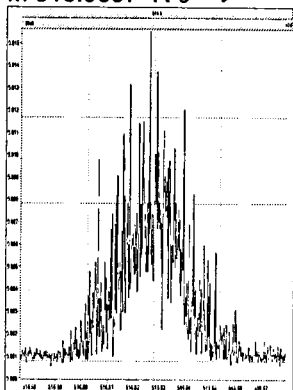
M 492.9696 R 8411



M 504.9696 R 9828



M 516.9697 R 0



* NOT USED IN
CONFIRMATION ANALYSIS *
-Hc 11/1/12

⊗ Analyst Note ⊗

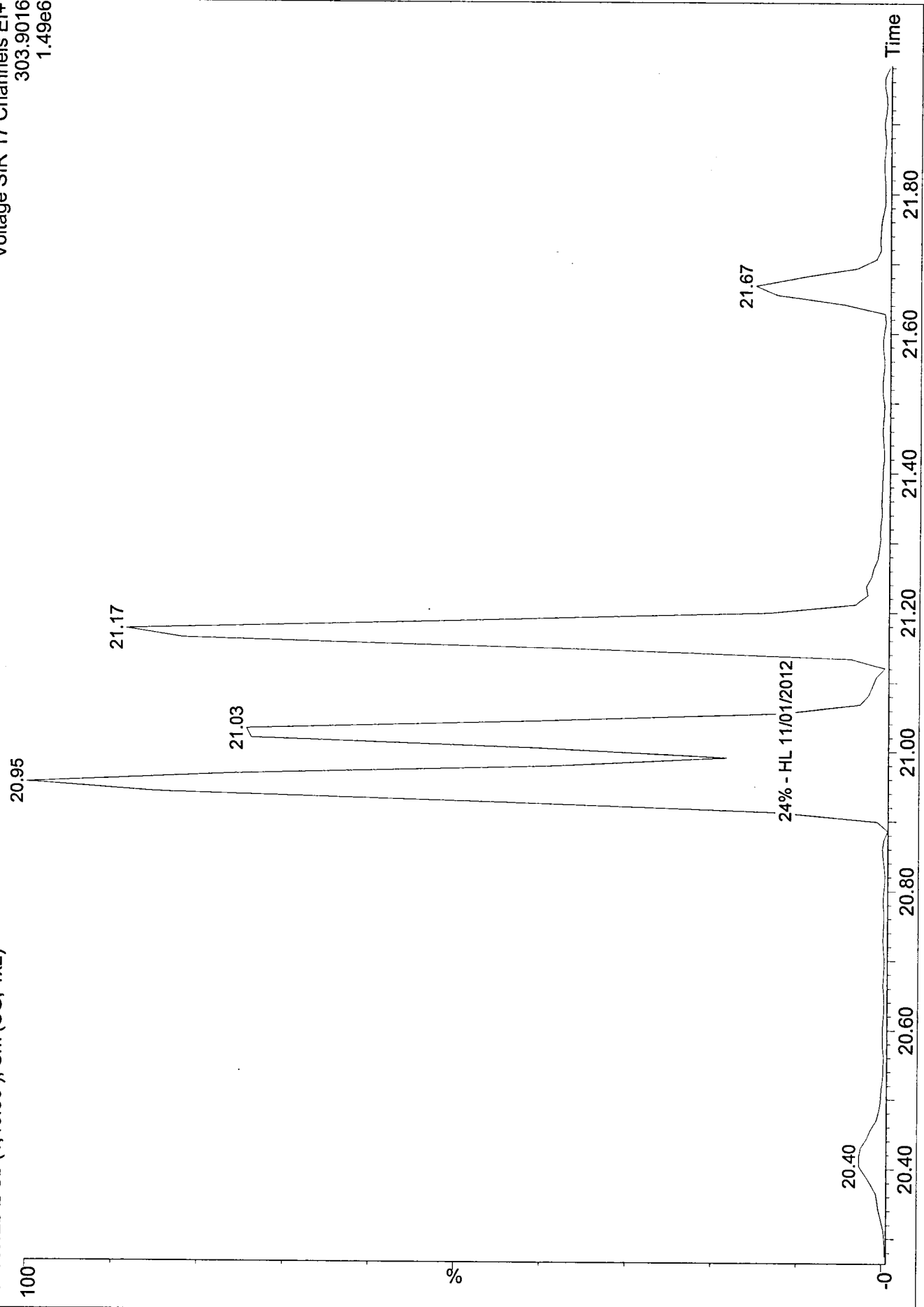
Ending resolution plot shows function 1 mass 330.9792 slightly outside of 10,000. The analyte mass for 2378-TCDF

Confirmation analysis is 304.9824 which maintained mass resolution of greater than 10,000 throughout the sequence. Samples show

no evidence of mass breakthrough, indicating that the apparent lower resolution did not impact any data and was likely due to a

low level of PFK. There is no adverse impact to data quality due to this anomaly. -
HL 11/01/2012

Sample ID: VFX Retcon
c31oct12b-2 Sb (1,40.00); Sm (SG, 1x2)
Acq: 31-Oct-2012 14:52:07
Exp:Dx_VF-XMS_Confirm
Inst: HRMS3
Voltage SIR 17 Channels EI+
303.9016
1.49e6



Dataset: C:\MassLynx\Default.pro\Concals\Confirms\c31oct12b-Confirms.qld

Last Altered: Thursday, 11/1/2012 11:26:18 AM Eastern Daylight Time
 Printed: Thursday, 11/1/2012 11:28:21 AM Eastern Daylight Time

31203249

Method: C:\MassLynx\Default.PRO\MethDB\VF\Xms-TCDF_Smooth.mdb 31 Oct 2012 16:33:04
 Calibration: C:\MassLynx\Default.PRO\CurveDB\VF\Xms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c31oct12b-2
 Date: 31-Oct-2012
 Time: 14:52:07
 ID: VFX Retcon
 Instrument:
 User: JHL

2378-TCDF (1.218)
 (960000) (1.218)
 9.553 25/w ✓
 Rev. map 11/1/12

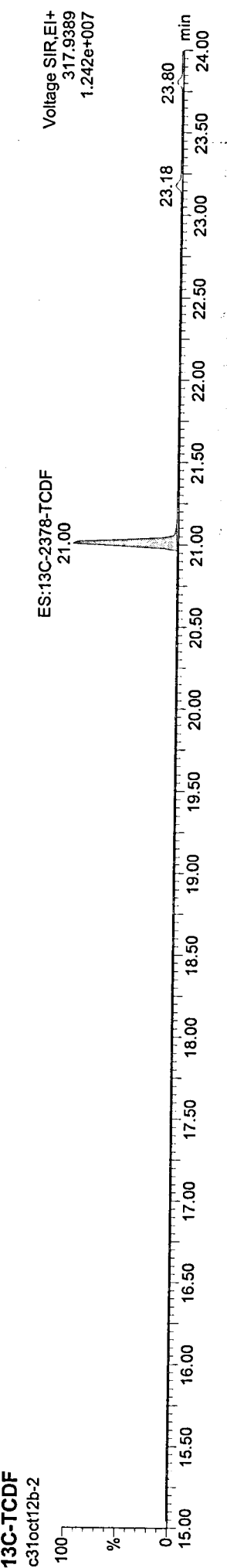
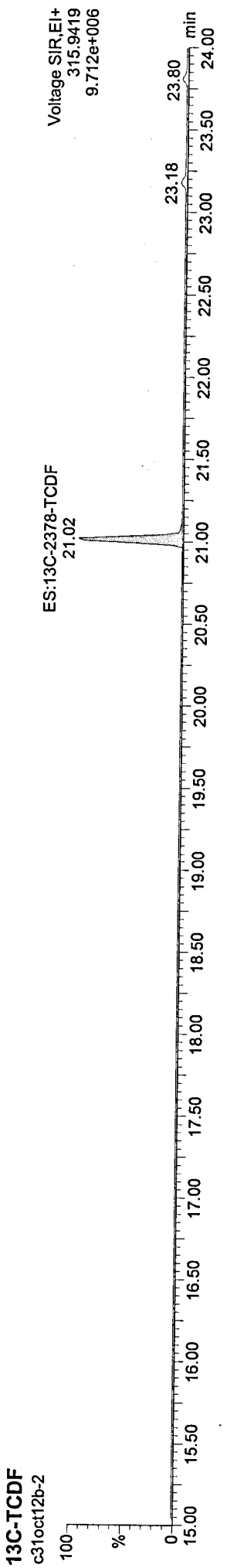
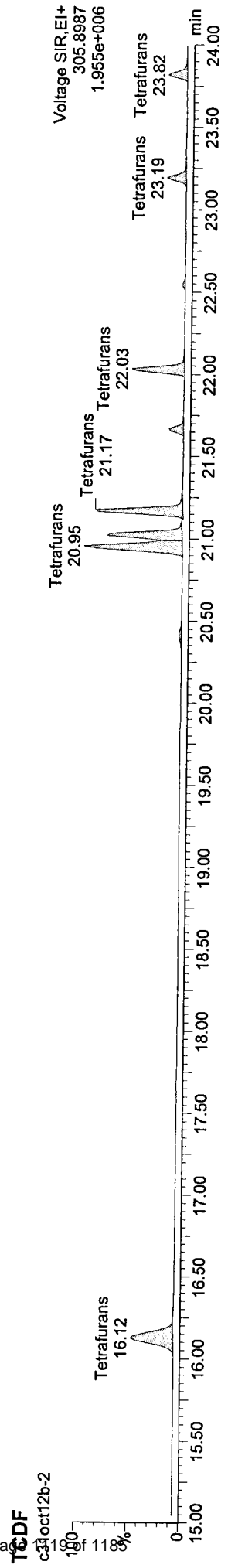
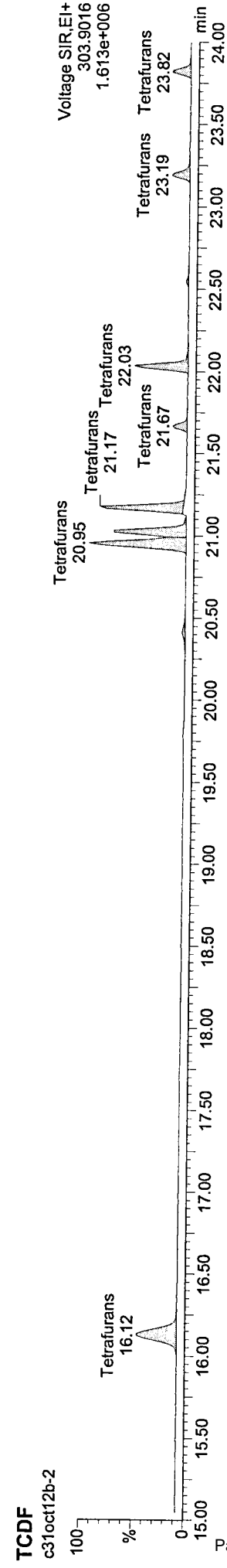
Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	pg/μL	%Dev	RRF	ical	RRF	EDL	SN1	Height1	Noise1	SN2	Height2	Noise2	M
1 2378-TCDF	1.117e5	5.048e4	6.124e4	0.82	NO	21.03	9.5543	-4.5	1.164	1.218	0.036	565.4	1.115e6	1973	763.7	1.391e6	1821	db	
20 ES:13C-2378-TCDF	9.600e5	4.215e5	5.385e5	0.78	NO	21.02	101.0027	1.0	1.672	1.655	0.081	2492.8	9.618e6	3858	3658.0	1.230e7	3363	bb	
30 JS:13C-1234-TCDD	5.743e5	2.588e5	3.155e5	0.82	NO	20.96	100.0000	-0.0	1.000	1.000	0.131	1678.1	6.070e6	3617	2172.0	7.427e6	3419	bb	
41 Tetrafurans		3.291e5					63.0611		1.218	0.036			6.747e6	1973					
50 F1 Lock Mass															95075				

Quantify Sample Report
CF CCAL Summary

Dataset: C:\MassLynx\Default.pro\Concals\Confirms\c31oct12b-Confirms.qld
Last Altered: Thursday, 11/1/2012 11:26:18 AM Eastern Daylight Time
Printed: Thursday, 11/1/2012 11:28:21 AM Eastern Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\VF\Xms-TCDF_Smooth.mdb 31 Oct 2012 16:33:04
Calibration: C:\MassLynx\Default.PRO\CurveDB\VF\Xms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

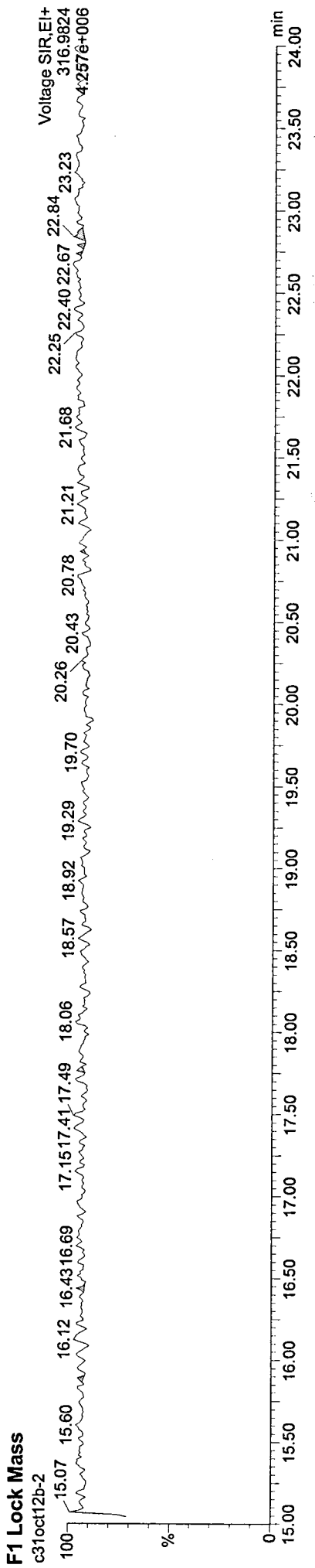
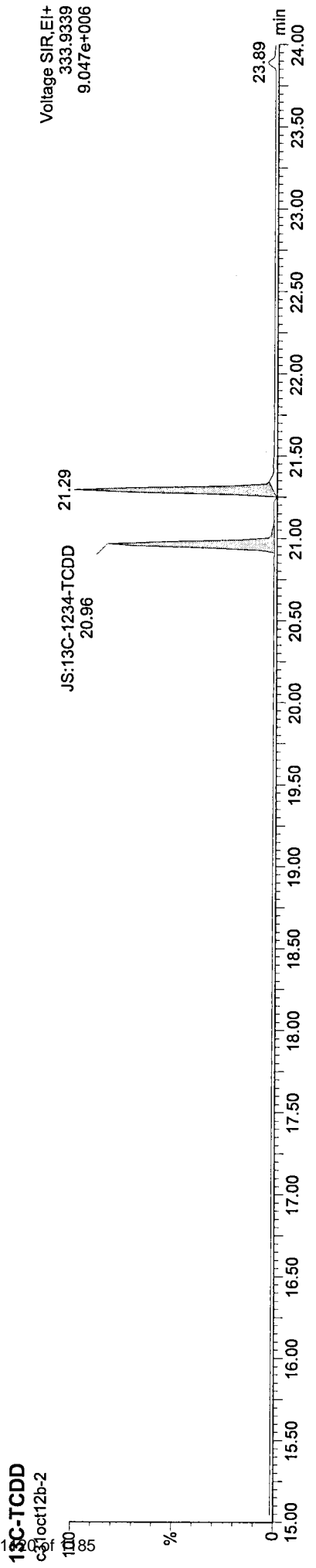
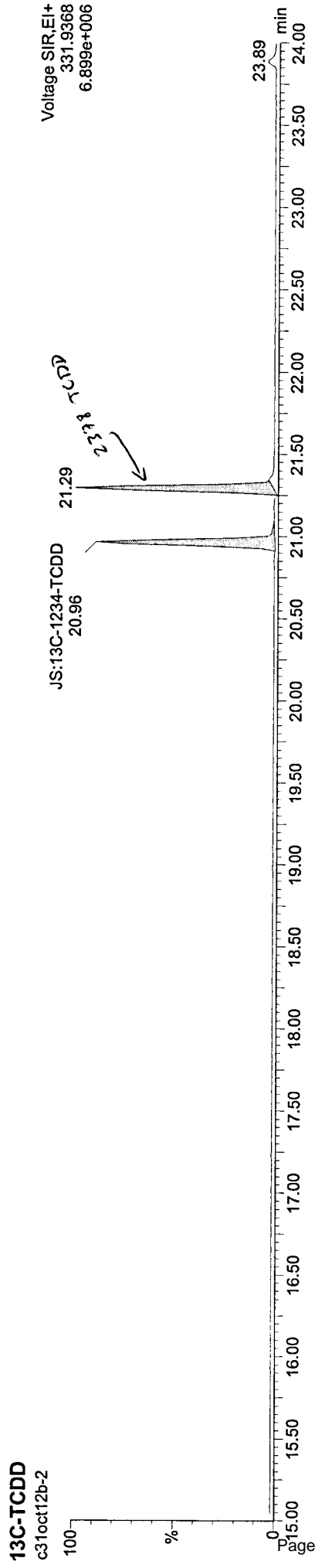
Name: c31oct12b-2, ID: VFX Retcon, User: JHL, Instrument:



Dataset: C:\MassLynx\Default.pro\Concals\Confirms\c31oct12b-Confirms.qld

Last Altered: Thursday, 11/1/2012 11:26:18 AM Eastern Daylight Time
Printed: Thursday, 11/1/2012 11:28:21 AM Eastern Daylight Time

Name: c31oct12b-2, ID: VFX Retcon, User: JHL, Instrument:



Dataset: C:\MassLynx\Default.pro\Concals\Confirms\c31oct12b-Confirms.qld

Last Altered: Thursday, 11/1/2012 11:26:18 AM Eastern Daylight Time
 Printed: Thursday, 11/1/2012 11:28:20 AM Eastern Daylight Time

#31203249

Method: C:\MassLynx\Default.PRO\MethDB\VF\Xms-TCDF_Smooth.mdb 31 Oct 2012 16:33:04
 Calibration: C:\MassLynx\Default.PRO\CurveDB\VF\Xms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c31oct12b-17
 Date: 31-Oct-2012
 Time: 23:33:25
 ID: VFX Retcon
 Instrument:
 User: JHL

Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	pg/ul	%Dev	RRF	lcal	RRF	EDL	SN1	Height1	Noise1	SN2	Height2	Noise2	M
1	2378-TCDF	7.859e4	3.507e4	4.352e4	0.81	NO 21.00	10.0107	0.1	1.219	1.218	0.059	373.9	7.796e5	2085	448.2	9.370e5	2091	db	
2	ES:13C-2378-TCDF	6.445e5	2.800e5	3.646e5	0.77	NO 20.99	115.5002	15.5	1.912	1.655	0.149	1635.2	6.318e6	3864	2190.9	8.093e6	3694	bb	
3	JS:13C-1234-TCDD	3.372e5	1.503e5	1.869e5	0.80	NO 20.94	100.0000	0.0	1.000	1.000	0.241	922.5	3.409e6	3695	1153.3	4.223e6	3662	bb	
4	Tetrafurans		2.135e5				61.8226		1.218	0.059		4.383e6		2085					
5	F1 Lock Mass													79147					

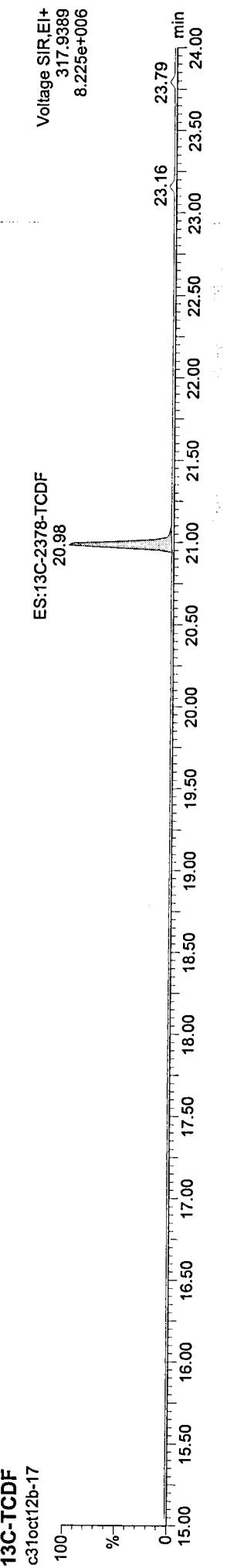
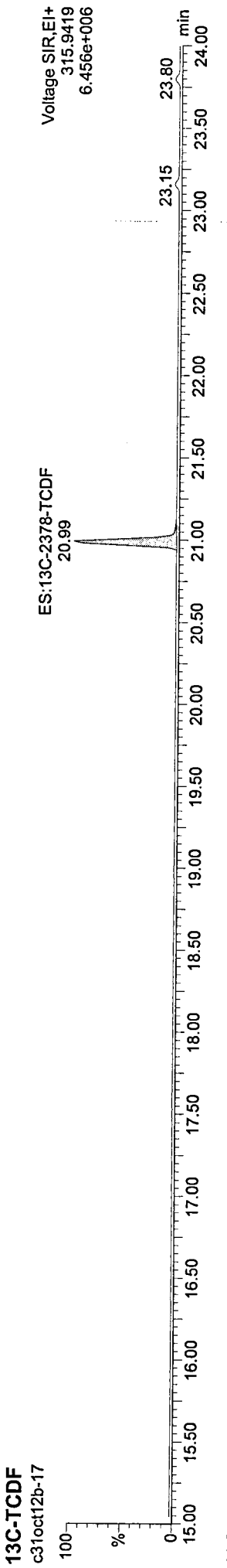
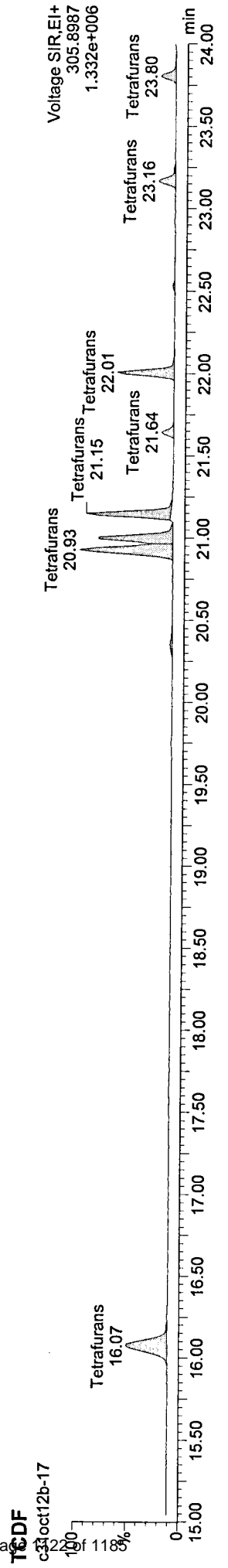
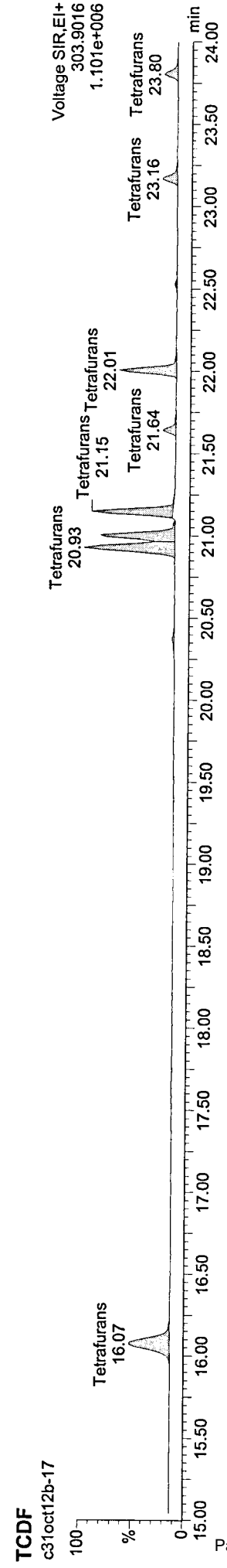
1185

Quantify Sample Report
CF CCAL Summary ###
MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\Concals\Confirms\c31oct12b-Confirms.qld
Last Altered: Thursday, 11/1/2012 11:26:18 AM Eastern Daylight Time
Printed: Thursday, 11/1/2012 11:28:20 AM Eastern Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\VF\Xms-TCDF_Smooth.mdb 31 Oct 2012 16:33:04
Calibration: C:\MassLynx\Default.PRO\CurveDB\VF\Xms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c31oct12b-17, ID: VFX Retcon, User: JHL, Instrument:



Quantify Sample Report

MassLynx 4.1
CF CCAL Summary

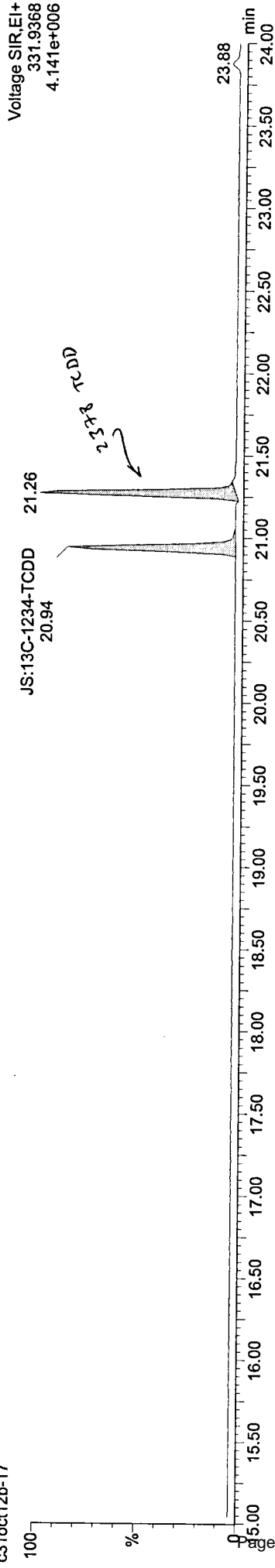
Dataset: C:\MassLynx\Default.pro\Concals\Confirms\c31oct12b-Confirms.qld

Last Altered: Thursday, 11/1/2012 11:26:18 AM Eastern Daylight Time
Printed: Thursday, 11/1/2012 11:28:20 AM Eastern Daylight Time

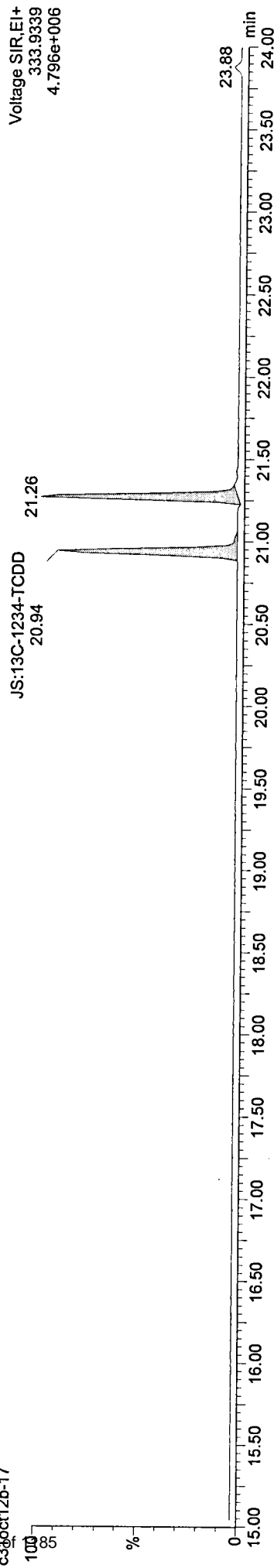
312032

Name: c31oct12b-17, ID: VFX Retcon, User: JHL, Instrument:

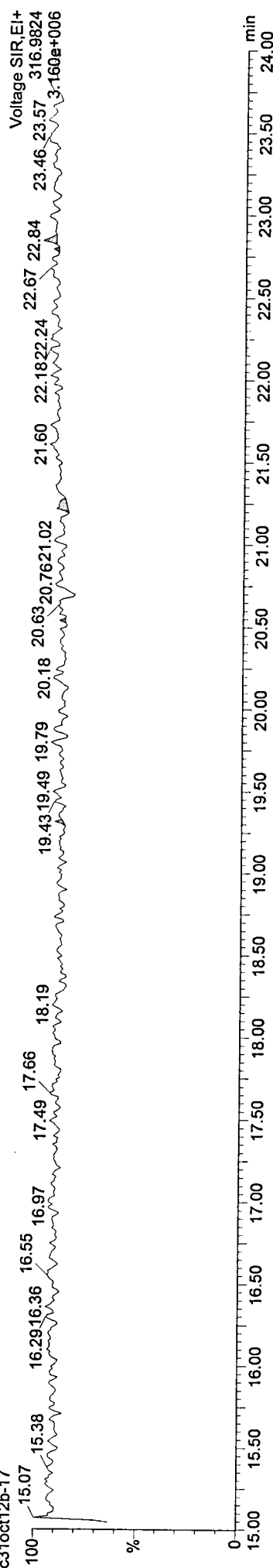
13C-TCDD
c31oct12b-17



13C-TCDD
c31oct12b-17




F1 Lock Mass
c31oct12b-17



SGS Analytical Perspectives — Run Log Project: A4722_10216_PCB

Instrument: MM7 (AutoSpec-Premier)		MS Experiment: pcb-2012-01		GC Program: pcb90_a					
#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	121017X01	Tray1:06CS3_121017_PCB_XA		1.00	RETCON S40-92	LKB	438-687	17-Oct-2012	13:06:55
2	121017X02	Tray1:19OPR1_10216_PCB		1.00	0_10216_OPR001	LKB	448-081	17-Oct-2012	14:09:18
3	121017X03	Tray1:02SBS_121017_PCB_XA		1.00	SIL 9-41-1	LKB	703-565	17-Oct-2012	15:01:27
4	121017X04	Tray1:20MB1_10216_PCB_SDS		10.01	Method Blank	LKB	099-446	17-Oct-2012	15:55:33
5	121017X05	Tray1:21A4722_10216_PCB_001		10.02	JW-EA09-SS35-120507	LKB	954-588	17-Oct-2012	16:49:33
6	121017X06	Tray1:22A4722_10216_PCB_002		10.01	JW-EA09-SS34-120507	LKB	250-043	17-Oct-2012	17:43:36
7	121017X07	Tray1:23A4722_10216_PCB_004		10.05	JW-EA09-SS36-120507	LKB	806-115	17-Oct-2012	18:37:39
8	121017X08	Tray1:24A4722_10216_PCB_008		10.04	JW-EA09-SS33-120507	LKB	475-721	17-Oct-2012	19:31:42

 = manual calculation

REVIEWED
By Laura Boivin at 11:18 am, Oct 19, 2012

REVIEWED
By Michael Flournoy at 2:53 pm, 11/2/12

PCB QC Summary **SGS Analytical Perspectives** **Processed: 18-Oct-2012 14:57**

Lab ID:	CS3_121017_PCB_XA		ICAL: MM7_PCB_07132012_25JUL12			
Acquired:	17-OCT-2012 13:06					
Datafile:	121017X01					
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	30.16	3.40E+07	0.79 Y	1.13	1.10	-3.3%
PCB-81 344'5'-TeCB	29.69	3.26E+07	0.78 Y	1.13	1.09	-3.0%
PCB-105 233'44'-PeCB	33.09	2.69E+07	0.61 Y	1.09	1.09	-0.5%
PCB-114 2344'5'-PeCB	32.56	2.92E+07	0.61 Y	1.16	1.18	2.0%
PCB-118 23'44'5'-PeCB	32.12	2.88E+07	0.62 Y	1.11	1.11	0.5%
PCB-123 2'344'5'-PeCB	31.84	2.98E+07	0.61 Y	1.19	1.22	2.7%
PCB-126 33'44'5'-PeCB	35.69	2.63E+07	0.62 Y	1.06	1.06	-0.5%
PCB-156/157 233'44'5'/233'44'5'	38.21	5.09E+07	1.23 Y	1.11	1.04	-5.7%
PCB-167 23'44'55'-HxCB	37.25	2.67E+07	1.22 Y	1.14	1.08	-4.6%
PCB-169 33'44'55'-HxCB	40.92	2.40E+07	1.24 Y	1.11	1.04	-6.0%
PCB-189 233'44'55'-HpCB	43.03	2.48E+07	1.04 Y	1.06	1.05	-0.2%
PCB-209 DeCB	47.98	1.76E+07	1.18 Y	1.07	1.11	3.6%
ES PCB-1	10.44	9.60E+07	3.15 Y	1.08	1.02	-5.4%
ES PCB-3	12.46	9.71E+07	3.20 Y	1.08	1.04	-4.4%
ES PCB-4	12.67	5.00E+07	1.57 Y	0.49	0.53	9.3%
ES PCB-15	17.92	9.60E+07	1.57 Y	1.11	1.02	-7.8%
ES PCB-19	15.46	4.87E+07	1.05 Y	0.55	0.52	-6.3%
ES PCB-37	23.96	7.38E+07	1.10 Y	1.64	1.56	-4.4%
ES PCB-54	18.15	5.08E+07	0.78 Y	0.94	1.08	14.5%
ES PCB-77	30.14	6.21E+07	0.79 Y	1.35	1.31	-2.4%
ES PCB-81	29.67	5.97E+07	0.81 Y	1.29	1.26	-1.7%
ES PCB-104	22.91	4.94E+07	1.57 Y	0.99	1.20	20.4%
ES PCB-105	33.07	4.95E+07	1.61 Y	1.23	1.20	-2.8%
ES PCB-114	32.54	4.94E+07	1.64 Y	1.25	1.20	-4.2%
ES PCB-118	32.10	5.18E+07	1.63 Y	1.28	1.26	-2.0%
ES PCB-123	31.82	4.87E+07	1.61 Y	1.22	1.18	-3.1%
ES PCB-126	35.67	4.97E+07	1.60 Y	1.20	1.20	0.4%
ES PCB-153	-	-	-	-	-	-
ES PCB-155	27.74	5.62E+07	1.27 Y	1.50	1.51	1.2%
ES PCB-156/157	38.19	9.75E+07	1.31 Y	1.45	1.31	-9.7%
ES PCB-167	37.23	4.92E+07	1.29 Y	1.49	1.33	-11.3%
ES PCB-169	40.90	4.60E+07	1.28 Y	1.40	1.24	-11.9%
ES PCB-170	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-
ES PCB-188	32.54	4.63E+07	1.06 Y	1.18	1.25	5.9%
ES PCB-189	43.01	4.71E+07	1.05 Y	1.49	1.55	4.2%
ES PCB-202	37.03	4.27E+07	0.91 Y	1.14	1.15	1.2%
ES PCB-205	45.16	3.87E+07	0.90 Y	1.20	1.27	6.0%
ES PCB-206	46.61	2.89E+07	0.78 Y	0.87	0.95	9.5%
ES PCB-208	42.61	4.09E+07	0.80 Y	1.19	1.35	13.3%
ES PCB-209	47.96	3.16E+07	1.19 Y	1.00	1.04	4.0%

Lab ID: CS3_121017_PCB_XA ICAL: MM7_PCB_07132012_25JUL12
 Acquired: 17-OCT-2012 13:06
 Datafile: 121017X01

Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	20.54	8.17E+07	1.06 Y	1.07	1.11	3.0%
SS PCB-111	30.19	5.24E+07	1.61 Y	1.01	1.07	6.8%
SS PCB-178	35.09	2.98E+07	1.06 Y	0.63	0.64	2.5%
CS PCB-28	20.54	8.17E+07	1.06 Y	1.76	1.73	-1.5%
CS PCB-111	30.19	5.24E+07	1.61 Y	1.23	1.27	3.5%
CS PCB-178	35.09	2.98E+07	1.06 Y	0.74	0.80	8.6%
JS PCB-9	14.47	9.38E+07	1.59 Y	-	-	-
JS PCB-52	22.10	4.72E+07	0.79 Y	-	-	-
JS PCB-101	27.92	4.13E+07	1.65 Y	-	-	-
JS PCB-138	34.70	3.71E+07	1.28 Y	-	-	-
JS PCB-194	44.76	3.04E+07	0.90 Y	-	-	-
PCB-1 2-MoCB	10.45	4.85E+07	3.20 Y	1.03	1.01	-2.0%
PCB-3 4-MoCB	12.47	4.85E+07	3.21 Y	1.04	1.00	-4.2%
PCB-4 22-DiCB	12.68	2.62E+07	1.57 Y	1.17	1.05	-10.5%
PCB-15 44'-DiCB	17.94	4.97E+07	1.57 Y	1.08	1.04	-4.1%
PCB-19 22'6-TrCB	15.47	2.50E+07	1.09 Y	1.09	1.03	-6.0%
PCB-37 344'-TrCB	23.98	3.97E+07	1.04 Y	1.10	1.08	-2.5%
PCB-54 22'66'-TeCB	18.17	2.84E+07	0.79 Y	1.21	1.12	-7.6%
PCB-104 22'466'-PeCB	22.93	2.74E+07	0.63 Y	1.25	1.11	-11.5%
PCB-155 22'44'66'-HxCB	27.76	2.94E+07	1.27 Y	1.09	1.05	-4.1%
PCB-188 22'34'566'-HpCB	32.56	2.31E+07	1.06 Y	1.03	1.00	-3.7%
PCB-202 22'33'55'66'-OcCB	37.05	1.88E+07	0.89 Y	0.91	0.88	-3.8%
PCB-205 233'44'55'6'-OcCB	45.18	1.99E+07	0.92 Y	1.09	1.03	-5.4%
PCB-208 22'33'455'66'-NoCB	42.63	1.85E+07	0.77 Y	1.02	0.90	-11.1%
PCB-206 22'33'44'55'6'-NoCB	46.63	1.31E+07	0.76 Y	0.98	0.91	-7.2%

PCB QC Summary - Ax2 Detail

Processed: 18-Oct-2012 14:57

Lab ID: CS3_121017_PCB_XA
 Acquired: 17-OCT-2012 13:06
 Datafile: 121017X01

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	RRF
PCB-1 2-MoCB	10.45	4.85E+07	3.20 Y	1.03
PCB-2 3-MoCB	12.31	4.83E+07	3.23 Y	1.04
PCB-3 4-MoCB	12.47	4.85E+07	3.21 Y	1.04
PCB-4 2'-DiCB	12.68	2.62E+07	1.57 Y	1.17
PCB-10 26-DiCB	12.85	4.11E+07	1.57 Y	1.83
PCB-9 25-DiCB	14.48	4.44E+07	1.57 Y	0.89
PCB-7 24-DiCB	14.63	5.04E+07	1.57 Y	1.02
PCB-6 23-DiCB	14.84	4.73E+07	1.57 Y	0.95
PCB-5 23-DiCB	15.11	4.72E+07	1.58 Y	0.98
PCB-8 24-DiCB	15.22	4.89E+07	1.56 Y	1.02
PCB-14 35-DiCB	16.67	5.62E+07	1.58 Y	1.16
PCB-11 33-DiCB	17.40	4.78E+07	1.61 Y	1.00
PCB-13/12 34'-/34-DiCB	17.67	9.75E+07	1.59 Y	1.02
PCB-15 44-DiCB	17.94	4.97E+07	1.57 Y	1.08
PCB-19 22'6-TrCB	15.47	2.50E+07	1.09 Y	1.09
PCB-30/18 246-/22'5-TrCB	17.12	6.75E+07	1.08 Y	1.46
PCB-17 22'4-TrCB	17.49	2.87E+07	1.10 Y	1.25
PCB-27 23'6-TrCB	17.67	3.91E+07	1.10 Y	1.69
PCB-24 236-TrCB	17.80	3.83E+07	1.08 Y	1.63
PCB-16 22'3-TrCB	17.88	2.09E+07	1.12 Y	0.95
PCB-32 24'6-TrCB	18.34	4.10E+07	1.09 Y	1.79
PCB-34 2'35-TrCB	19.44	3.90E+07	1.05 Y	1.05
PCB-23 235-TrCB	19.58	4.11E+07	1.04 Y	1.06
PCB-26/29 23'5-/24'5-TrCB	19.85	8.34E+07	1.05 Y	1.09
PCB-25 23'4-TrCB	20.04	4.14E+07	1.04 Y	1.07
PCB-31 24'5-TrCB	20.30	4.33E+07	1.03 Y	1.11
PCB-28/20 244-/233'-TrCB	20.57	8.14E+07	1.04 Y	1.07
PCB-21/33 234-/2'34-TrCB	20.73	8.28E+07	1.04 Y	1.09
PCB-22 234'-TrCB	21.09	3.88E+07	1.04 Y	1.02
PCB-36 33'5-TrCB	22.44	4.20E+07	1.05 Y	1.13
PCB-39 34'5-TrCB	22.75	4.42E+07	1.05 Y	1.17
PCB-38 34'5-TrCB	23.24	3.83E+07	1.06 Y	1.03
PCB-35 33'4-TrCB	23.63	3.90E+07	1.04 Y	1.04
PCB-37 344'-TrCB	23.98	3.97E+07	1.04 Y	1.10
PCB-54 22'66'-TeCB	18.17	2.84E+07	0.79 Y	1.21
PCB-50/53 22'46-/22'56'TeCB	20.07	4.91E+07	0.80 Y	0.86
PCB-45 22'36'-TeCB	20.62	2.15E+07	0.78 Y	0.73
PCB-51 22'46'-TeCB	20.70	2.40E+07	0.80 Y	0.88
PCB-46 22'36'-TeCB	20.88	1.97E+07	0.81 Y	0.70
PCB-52 22'55'-TeCB	22.12	2.34E+07	0.79 Y	0.84
PCB-73 23'56'TeCB	22.24	3.29E+07	0.79 Y	1.09

Lab ID: - Ax2 Detail

ICAL: MM7_PCB_07132012_25JUL12

Lab ID: CS3_121017_PCB_XA
 Acquired: 17-OCT-2012 13:06
 Datafile: 121017X01

Name	RT	Response	RA	RRF
PCB-43 22'35'-TeCB	22.33	1.89E+07	0.82 Y	0.63
PCB-69/49 23'46'-/22'45'TeCB	22.52	5.82E+07	0.80 Y	0.98
PCB-48 22'45'-TeCB	22.78	2.40E+07	0.81 Y	0.80
PCB-44/47/65 22'35'-/22'44'-	22.99	7.62E+07	0.80 Y	0.85
PCB-59/62/75 23'36'-/23'46-/24	23.26	9.76E+07	0.80 Y	1.09
PCB-42 22'34'-TeCB	23.41	2.28E+07	0.79 Y	0.76
PCB-41 22'34'-TeCB	23.72	1.86E+07	0.79 Y	0.62
PCB-71/40 23'46'/22'33'-TeCB	23.82	5.03E+07	0.80 Y	0.84
PCB-64 23'46'-TeCB	24.02	3.49E+07	0.79 Y	1.17
PCB-72 23'55'-TeCB	24.75	3.45E+07	0.79 Y	1.16
PCB-68 23'45'-TeCB	25.00	3.75E+07	0.78 Y	1.26
PCB-57 23'35'-TeCB	25.35	3.45E+07	0.78 Y	1.16
PCB-58 23'35'-TeCB	25.54	3.46E+07	0.78 Y	1.16
PCB-67 23'45'-TeCB	25.69	3.56E+07	0.78 Y	1.19
PCB-63 23'45'-TeCB	25.92	3.80E+07	0.78 Y	1.27
PCB-61/70/74/76 23'45'-/23'4'5	26.19	1.40E+08	0.79 Y	1.17
PCB-66 23'44'-TeCB	26.47	3.33E+07	0.78 Y	1.11
PCB-55 23'34'-TeCB	26.60	3.33E+07	0.76 Y	1.12
PCB-56 23'34'-TeCB	27.03	3.22E+07	0.77 Y	1.08
PCB-60 23'44'-TeCB	27.21	3.35E+07	0.78 Y	1.12
PCB-80 33'55'-TeCB	27.58	3.85E+07	0.78 Y	1.29
PCB-79 33'45'-TeCB	28.86	3.65E+07	0.78 Y	1.22
PCB-78 33'45'-TeCB	29.32	3.09E+07	0.79 Y	1.04
PCB-104 22'466'-PeCB	22.93	2.74E+07	0.63 Y	-
PCB-96 22'366'-PeCB	23.22	2.35E+07	0.63 Y	0.95
PCB-103 22'45'6'-PeCB	24.90	2.29E+07	0.61 Y	0.94
PCB-94 22'356'-PeCB	25.07	1.98E+07	0.62 Y	0.81
PCB-95 22'35'6'-PeCB	25.44	2.10E+07	0.62 Y	0.86
PCB-100/93 22'44'6'-/22'356-P	25.65	4.37E+07	0.61 Y	0.90
PCB-102 22'456'-PeCB	25.75	2.16E+07	0.61 Y	0.89
PCB-98 22'3'46'-PeCB	25.82	2.03E+07	0.62 Y	0.83
PCB-88 22'3'46'-PeCB	26.11	2.01E+07	0.62 Y	0.83
PCB-91 22'3'46'-PeCB	26.18	2.23E+07	0.62 Y	0.92
PCB-84 22'3'36'-PeCB	26.35	1.76E+07	0.61 Y	0.72
PCB-89 22'3'46'-PeCB	26.76	1.92E+07	0.62 Y	0.79
PCB-121 23'45'6'-PeCB	27.14	2.91E+07	0.61 Y	1.20
PCB-92 22'355'-PeCB	27.45	2.00E+07	0.62 Y	0.82
PCB-113/90/101 233'5'6'-/22'3	27.92	7.08E+07	0.62 Y	0.97
PCB-83 22'33'5'-PeCB	28.33	1.65E+07	0.60 Y	0.68
				-12.3%
				-3.7%
				-5.6%
				-4.3%
				-4.3%
				-1.1%
				-14.4%
				-2.6%
				-5.3%
				1.2%
				3.8%
				4.5%
				5.5%
				2.8%
				4.6%
				3.6%
				3.7%
				1.8%
				2.2%
				0.9%
				3.0%
				-1.0%
				-4.0%
				-
				-11.4%
				4.1%
				4.6%
				4.3%
				6.4%
				-1.3%
				7.7%
				4.0%
				4.2%
				1.9%
				3.4%
				4.5%
				2.7%
				3.6%
				-5.2%

Lab ID: - Ax2 Detail

Lab ID: CS3_121017_PCB_XA
 Acquired: 17-OCT-2012 13:06
 Datafile: 121017X01
 ICAL: MM7_PCB_07132012_25JUL12

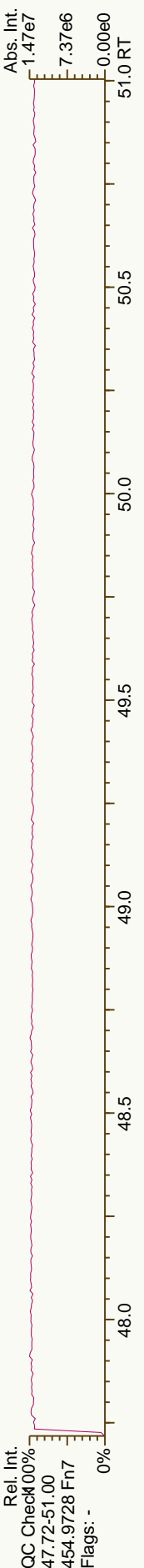
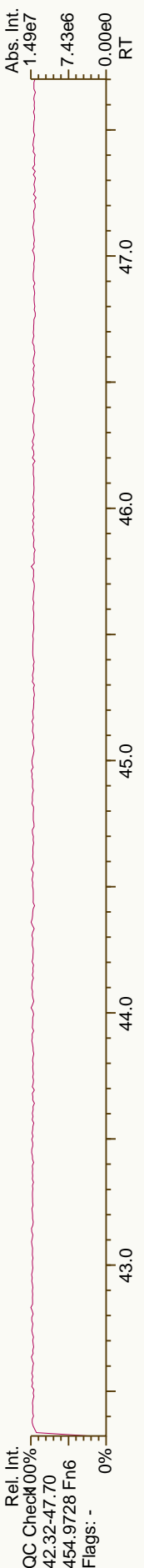
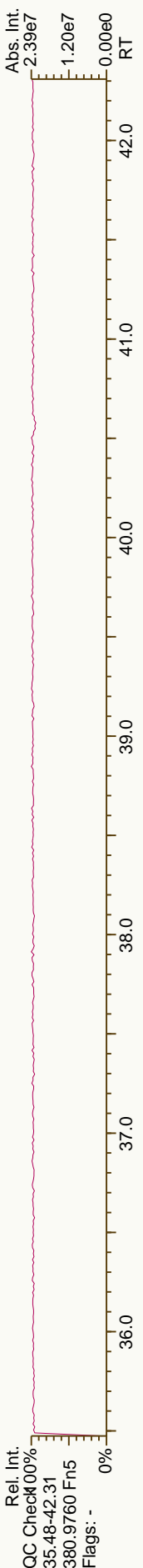
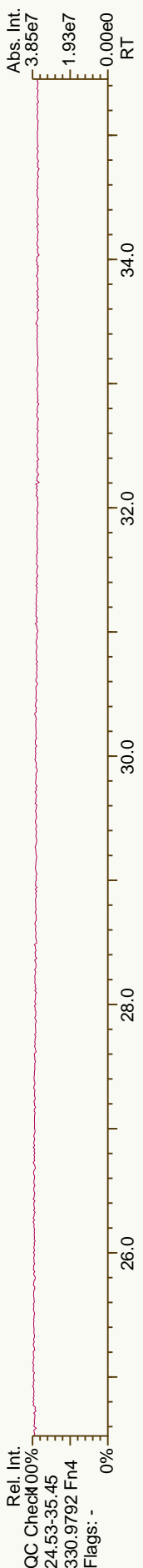
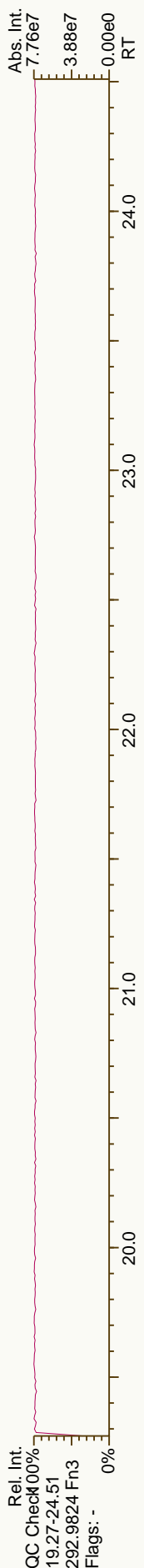
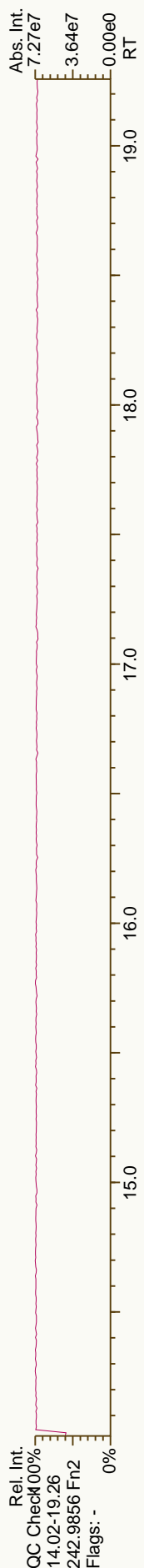
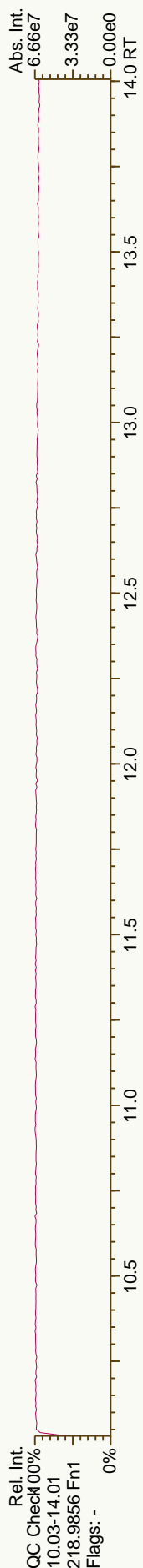
Name	RT	Response	RA	RRF
PCB-99 22'44'5"-PeCB	28.43	2.34E+07	0.62 Y	0.96
PCB-112 233'56"-PeCB	28.53	2.78E+07	0.63 Y	1.14
PCB-109/119/86/97/125...-PeCB	28.86	1.43E+08	0.62 Y	0.98
PCB-117 234'56"-PeCB	29.38	2.17E+07	0.61 Y	0.89
PCB-116/85 234'56"/22'344"-Pe	29.46	5.19E+07	0.61 Y	1.06
PCB-110 233'4'6"-PeCB	29.58	2.46E+07	0.61 Y	1.01
PCB-115 2344'6"-PeCB	29.67	2.99E+07	0.63 Y	1.23
PCB-82 22'33'4"-PeCB	29.85	1.71E+07	0.61 Y	0.70
PCB-111 233'55"-PeCB	30.21	2.87E+07	0.62 Y	1.18
PCB-120 23'455"-PeCB	30.60	2.83E+07	0.61 Y	1.16
PCB-108/124 ...-PeCB	31.54	5.33E+07	0.62 Y	1.09
PCB-107 233'4'5"-PeCB	31.74	2.83E+07	0.62 Y	1.16
PCB-106 233'45"-PeCB	31.94	2.53E+07	0.63 Y	1.04
PCB-122 2'33'45"-PeCB	32.39	2.49E+07	0.62 Y	1.01
PCB-127 33'455"-PeCB	34.35	2.64E+07	0.62 Y	1.07
PCB-155 22'44'66"-HxCB	27.76	2.94E+07	1.27 Y	-
PCB-152 22'3566"-HxCB	27.90	2.66E+07	1.28 Y	0.95
PCB-150 22'34'66"-HxCB	28.05	2.76E+07	1.28 Y	0.98
PCB-136 22'33'66"-HxCB	28.33	2.52E+07	1.27 Y	0.90
PCB-145 22'34'66"-HxCB	28.60	2.58E+07	1.27 Y	0.92
PCB-148 22'34'56"-HxCB	29.89	1.94E+07	0.74	0.69
PCB-151/135 22'355'6"/22'33'	30.39	3.79E+07	0.73	0.67
PCB-154 22'44'5'6"-HxCB	30.60	2.18E+07	0.83	0.78
PCB-144 22'34'5'6"-HxCB	30.85	1.96E+07	0.75	0.70
PCB-147/149 22'34'56"/22'34'	31.15	3.94E+07	0.75	0.70
PCB-134 22'33'56"-HxCB	31.31	1.53E+07	0.61	0.54
PCB-143 22'34'56"-HxCB	31.39	1.92E+07	0.73	0.68
PCB-139/140 22'344'6"/22'344'	31.65	3.99E+07	0.76	0.71
PCB-131 22'33'46"-HxCB	31.81	1.69E+07	0.65	0.60
PCB-142 22'34'56"-HxCB	31.95	1.70E+07	0.67	0.61
PCB-132 22'33'46"-HxCB	32.19	1.76E+07	0.68	0.63
PCB-133 22'33'55"-HxCB	32.63	1.80E+07	0.70	0.64
PCB-165 233'55'6"-HxCB	32.97	2.27E+07	0.86	0.81
PCB-146 22'34'55"-HxCB	33.18	2.03E+07	0.77	0.72
PCB-161 233'45'6"-HxCB	33.29	2.49E+07	0.96	0.89
PCB-153/168 22'44'55"/23'44'	33.71	4.86E+07	0.93	0.86
PCB-141 22'34'55"-HxCB	33.84	1.88E+07	0.71	0.67
PCB-130 22'33'45"-HxCB	34.18	1.65E+07	0.65	0.59
PCB-137 22'344'5"-HxCB	34.37	1.85E+07	0.80	0.66
PCB-164 233'4'5'6"-HxCB	34.46	2.68E+07	0.93	0.95
PCB-163/138/129 233'4'56"/22'	34.74	6.13E+07	0.78	0.73

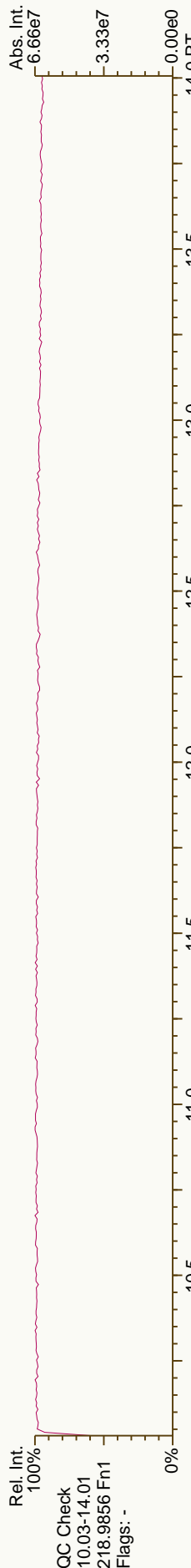
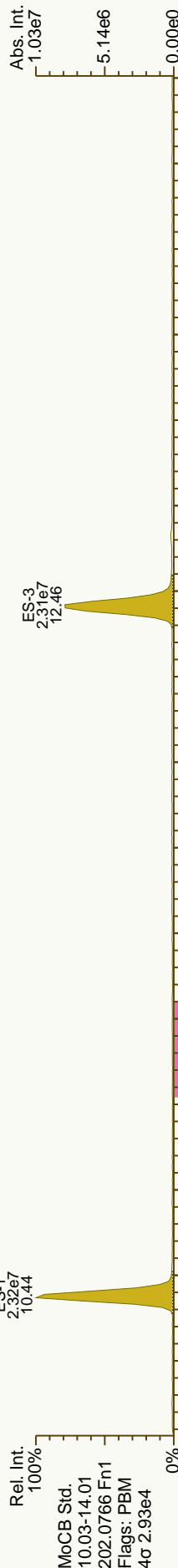
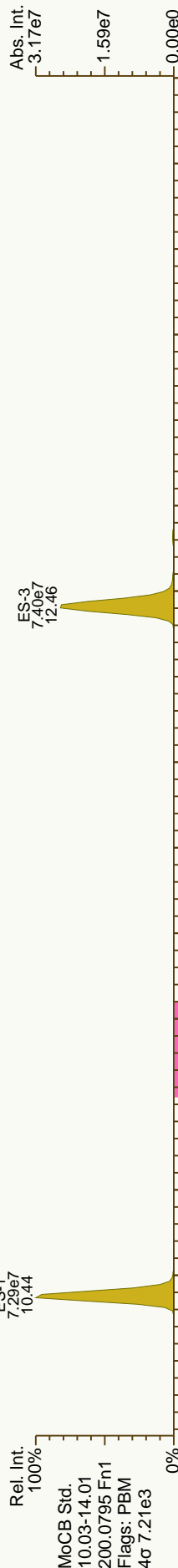
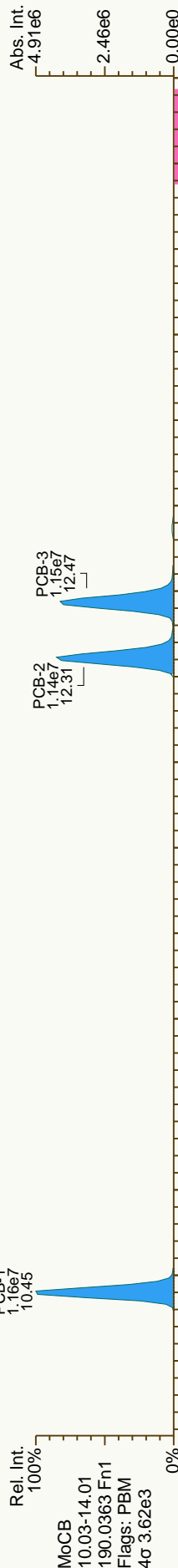
Lab ID: - Ax2 Detail

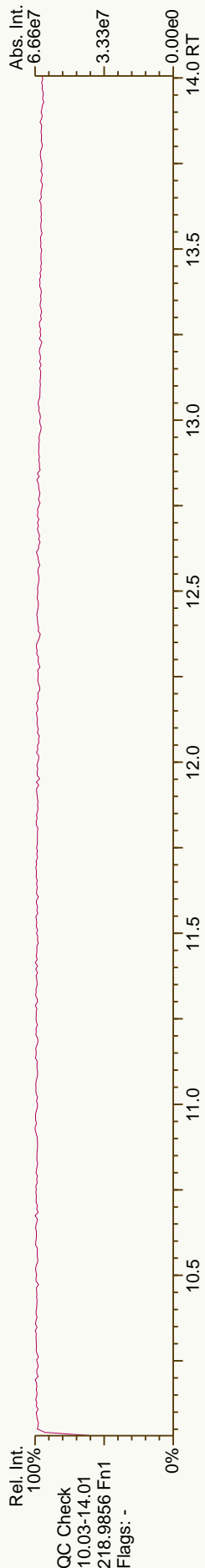
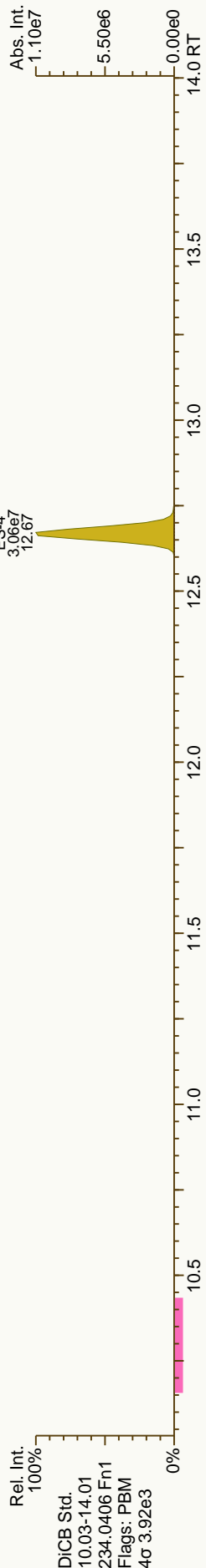
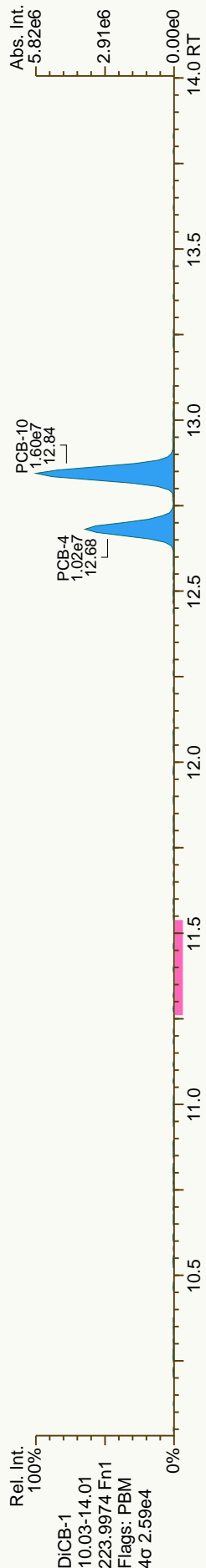
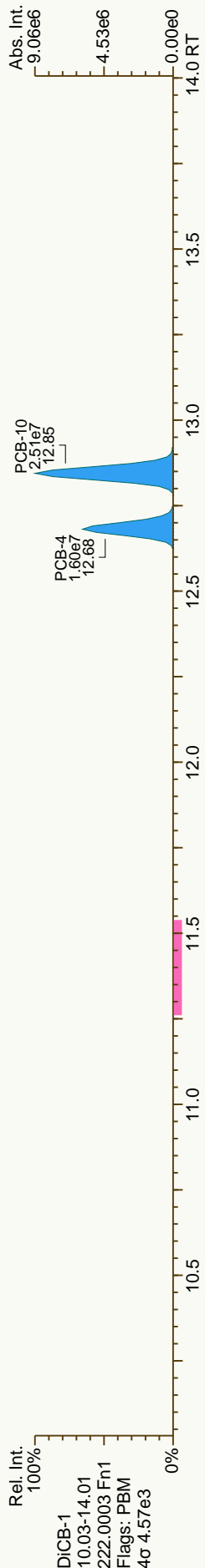
ICAL: MM7_PCB_07132012_25JUL12

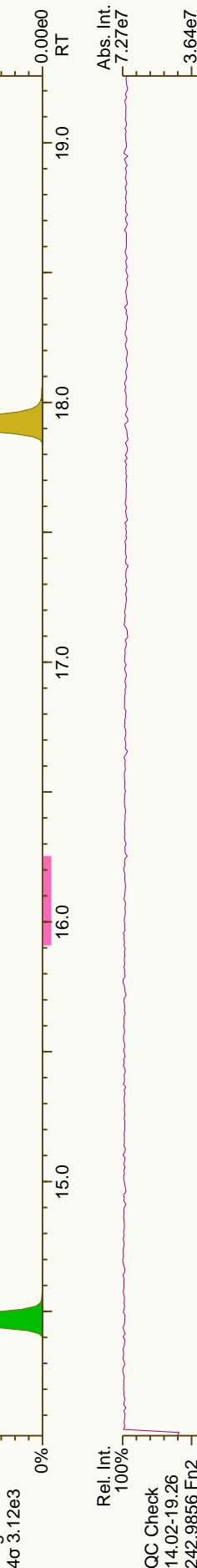
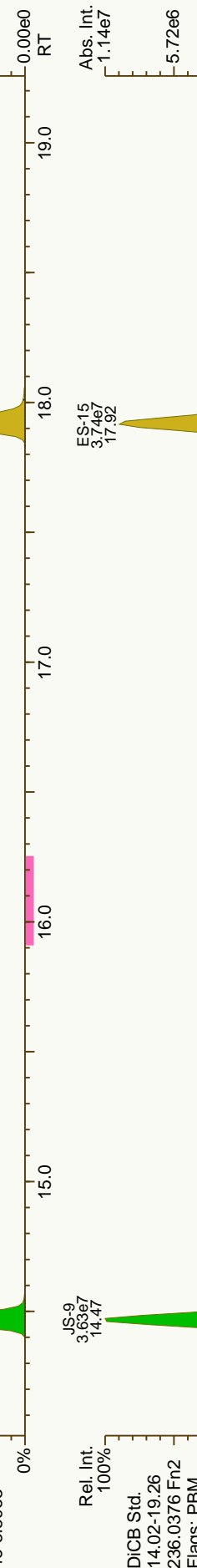
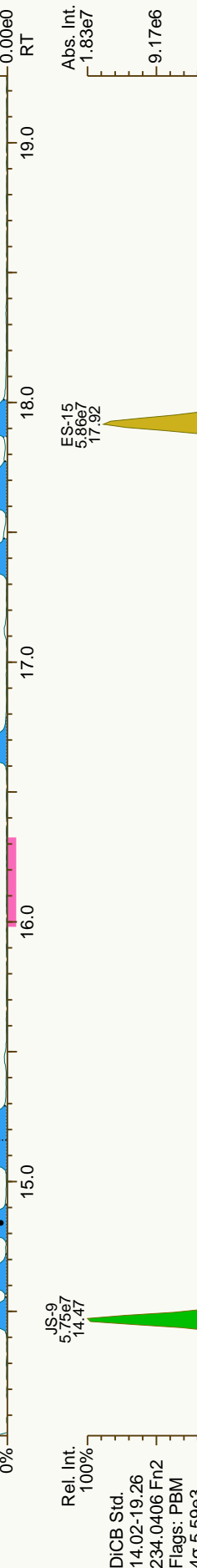
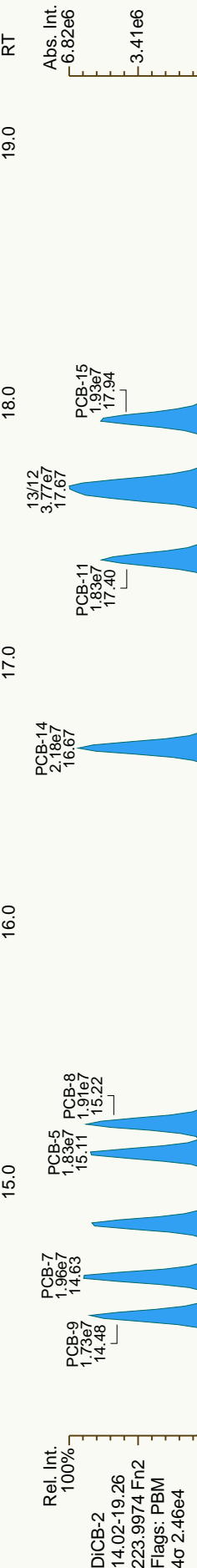
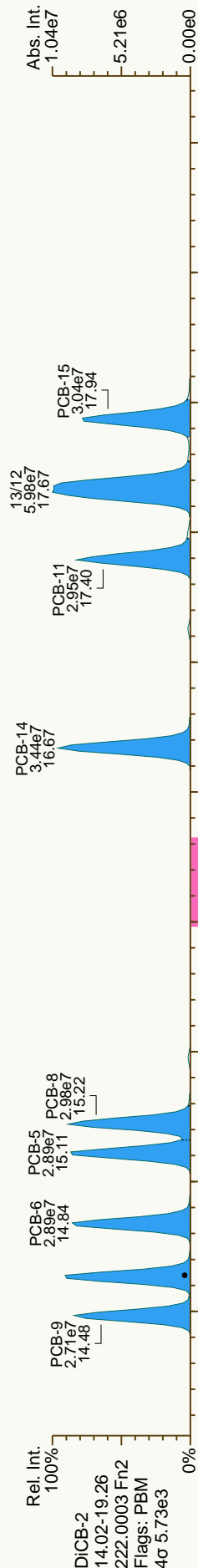
Lab ID: CS3_121017_PCB_XA
 Acquired: 17-OCT-2012 13:06
 Datafile: 121017X01

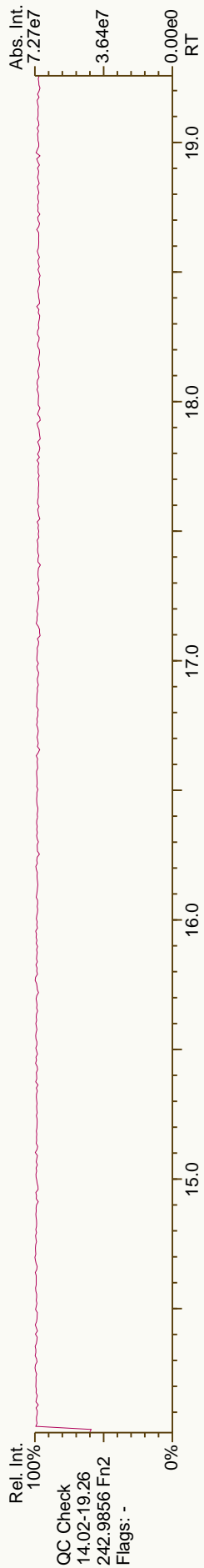
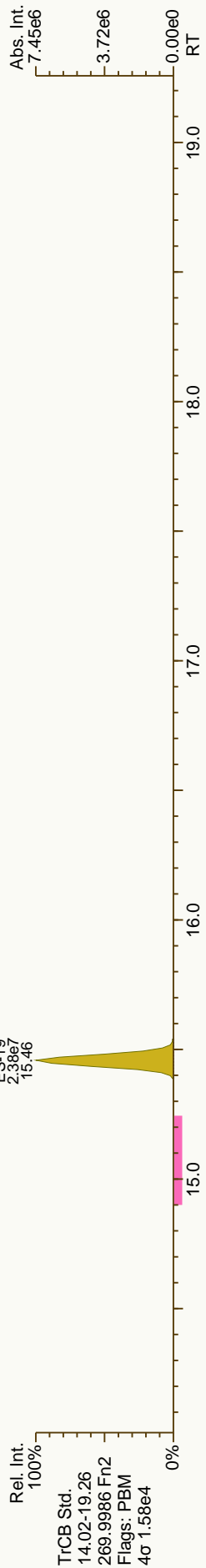
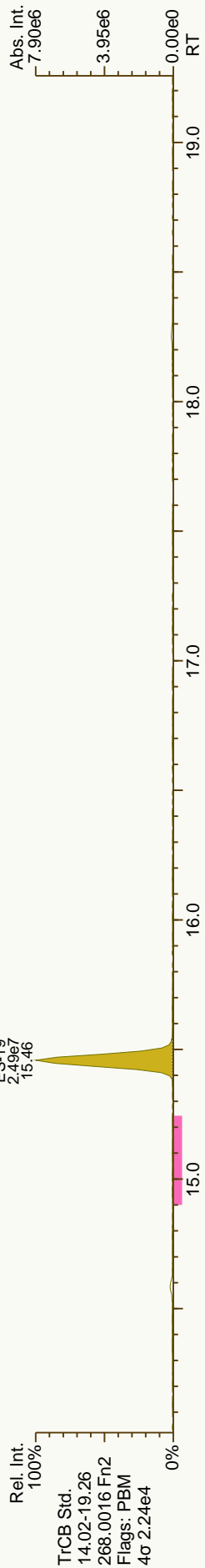
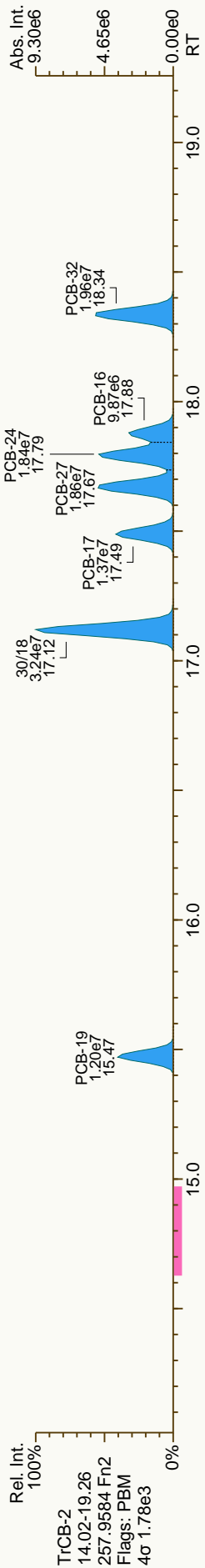
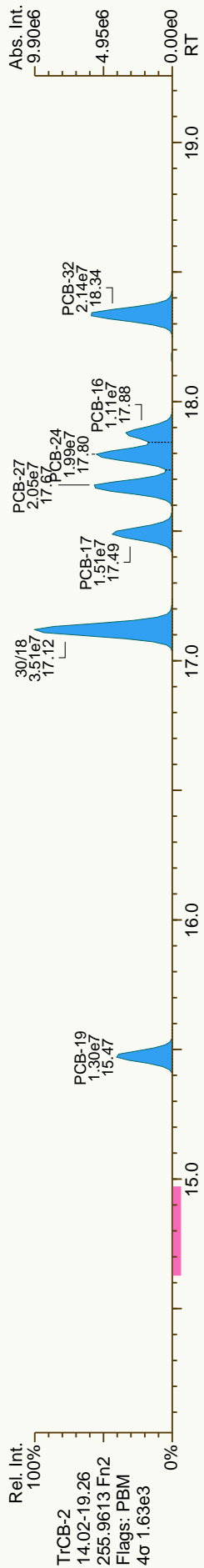
Name	RT	Response	RA	RRF
PCB-160 233'456'-HxCB	34.87	2.34E+07	1.25 Y	0.83
PCB-158 233'44'6'-HxCB	35.06	2.66E+07	1.28 Y	0.95
PCB-128/166 22'33'44'-/2344'5	35.77	4.34E+07	1.23 Y	0.88
PCB-159 233'455'-HxCB	36.62	2.51E+07	1.24 Y	1.02
PCB-162 233'4'55'-HxCB	36.85	2.60E+07	1.25 Y	1.06
PCB-188 22'34'566'-HpCB	32.56	2.31E+07	1.06 Y	-
PCB-179 22'33'566'-HpCB	32.83	2.11E+07	1.07 Y	0.91
PCB-184 22'344'66'-HpCB	33.29	2.12E+07	1.05 Y	0.91
PCB-176 22'33'466'-HpCB	33.57	2.32E+07	1.05 Y	1.00
PCB-186 22'34566'-HpCB	33.95	2.19E+07	1.06 Y	0.94
PCB-178 22'33'55'6'-HpCB	35.11	1.58E+07	1.05 Y	0.68
PCB-175 22'33'45'6'-HpCB	35.64	1.79E+07	1.05 Y	0.77
PCB-187 22'34'55'6'-HpCB	35.87	1.91E+07	1.05 Y	0.83
PCB-182 22'344'56'-HpCB	36.04	1.98E+07	1.05 Y	0.86
PCB-183 22'344'5'6'-HpCB	36.39	2.08E+07	1.04 Y	0.90
PCB-185 22'3455'6'-HpCB	36.46	1.82E+07	1.05 Y	0.79
PCB-174 22'33'456'-HpCB	36.57	1.67E+07	1.05 Y	0.72
PCB-177 22'33'4'56'-HpCB	36.94	1.61E+07	1.04 Y	0.70
PCB-181 22'344'56'-HpCB	37.28	1.87E+07	1.07 Y	0.81
PCB-171/173 22'33'44'6'-/22'3	37.45	3.28E+07	1.04 Y	0.71
PCB-172 22'33'455'-HpCB	38.83	1.66E+07	1.05 Y	0.71
PCB-192 233'455'6'-HpCB	39.07	2.19E+07	1.04 Y	0.93
PCB-180/193 22'344'55'-/233'	39.34	4.15E+07	1.04 Y	0.88
PCB-191 233'44'5'6'-HpCB	39.67	2.28E+07	1.06 Y	0.97
PCB-170 22'33'44'5'-HpCB	40.41	1.61E+07	1.05 Y	0.69
PCB-190 233'44'56'-HpCB	40.86	2.28E+07	1.05 Y	0.97
PCB-202 22'33'55'66'-OcCB	37.05	1.88E+07	0.89 Y	-
PCB-201 22'33'45'66'-OcCB	37.82	2.10E+07	0.90 Y	0.98
PCB-204 22'344'566'-OcCB	38.39	1.99E+07	0.90 Y	0.93
PCB-197 22'33'44'66'-OcCB	38.58	2.18E+07	0.90 Y	1.02
PCB-200 22'33'4566'-OcCB	38.66	1.98E+07	0.91 Y	0.93
PCB-198/199 22'33'455'6'-/22'	40.99	2.86E+07	0.91 Y	0.67
PCB-196 22'33'44'56'-OcCB	41.56	1.49E+07	0.91 Y	0.70
PCB-203 22'344'55'6'-OcCB	41.73	1.56E+07	0.92 Y	0.73
PCB-195 22'33'44'56'-OcCB	42.82	1.46E+07	0.92 Y	0.75
PCB-194 22'33'44'55'-OcCB	44.78	1.56E+07	0.91 Y	0.81
PCB-205 233'44'55'6'-OcCB	45.18	1.99E+07	0.92 Y	-
PCB-208 22'33'455'66'-NoCB	42.63	1.85E+07	0.77 Y	-
PCB-207 22'33'44'566'-NoCB	43.41	1.91E+07	0.76 Y	0.94
PCB-206 22'33'44'55'6'-NoCB	46.63	1.31E+07	0.76 Y	-

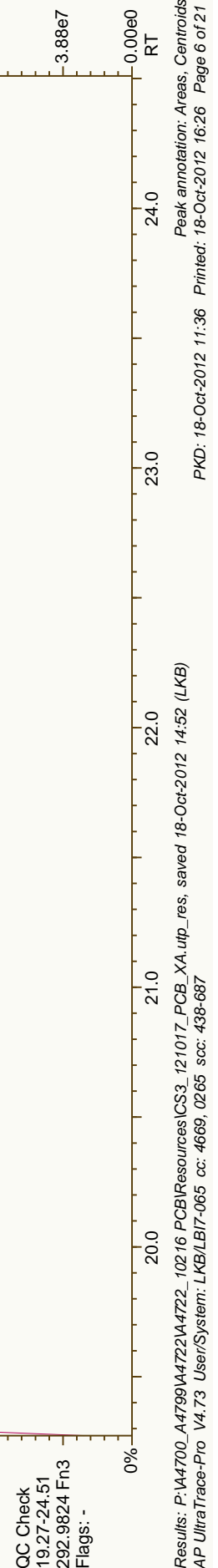
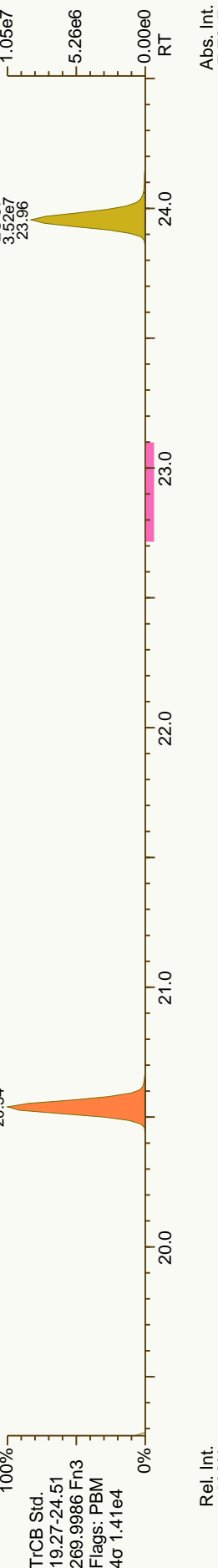
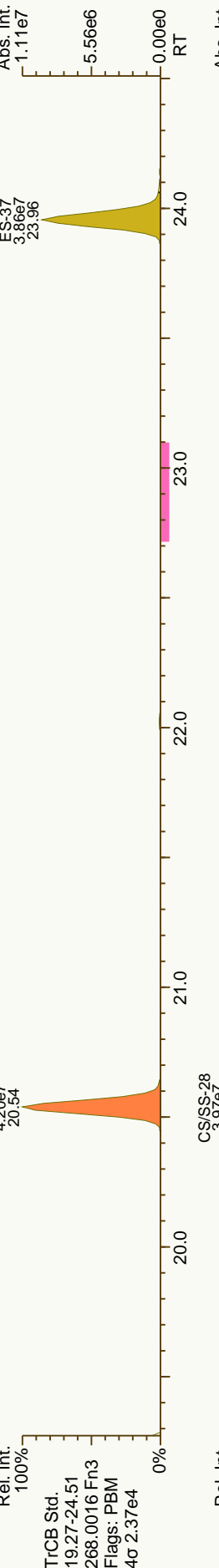
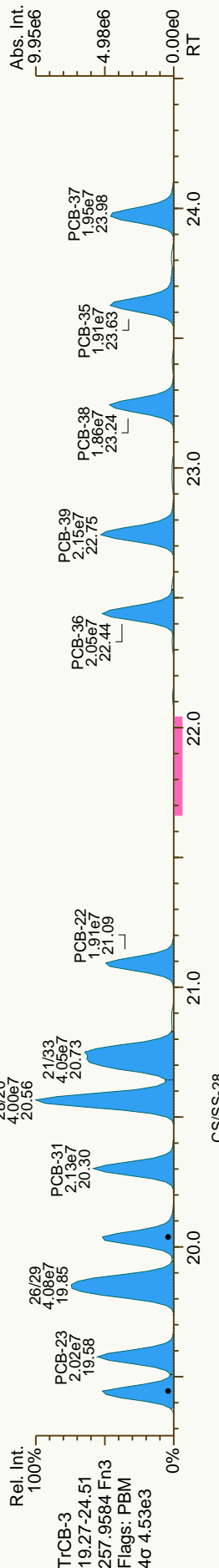
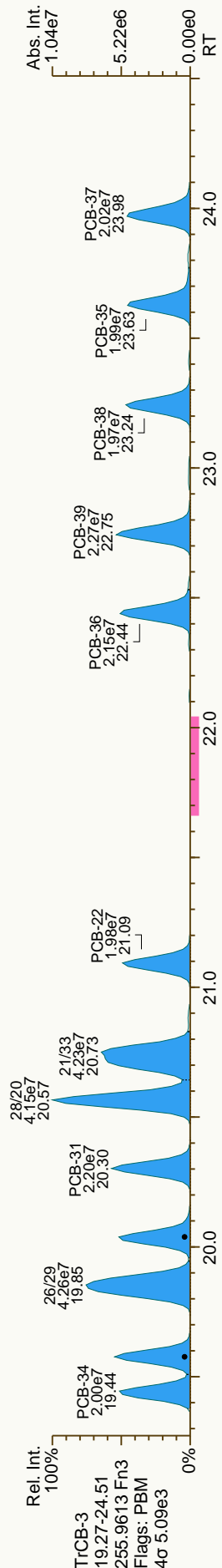


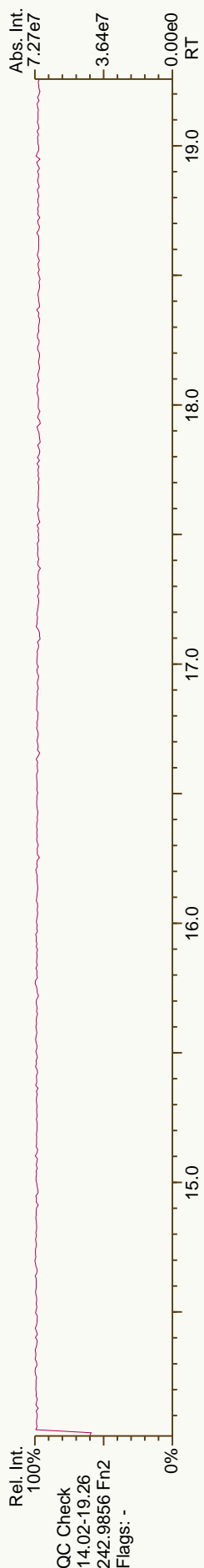
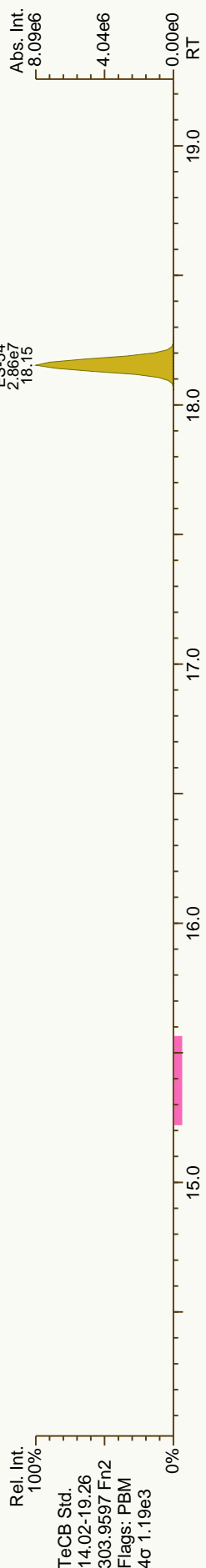
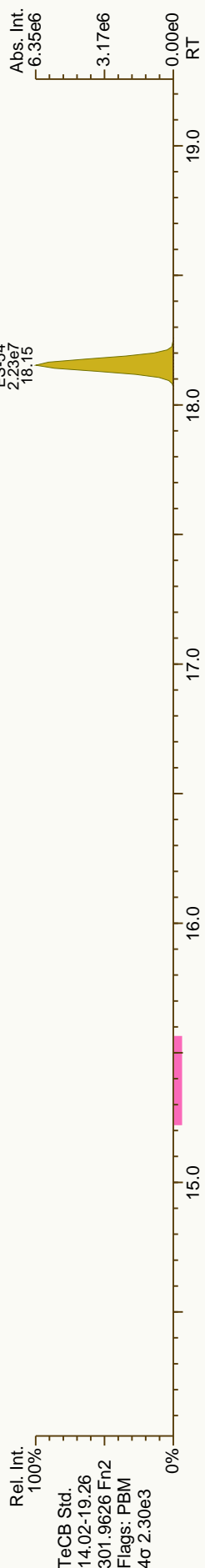
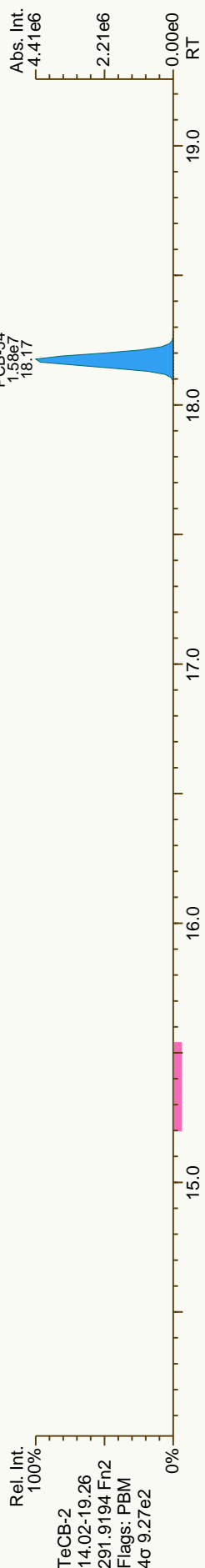
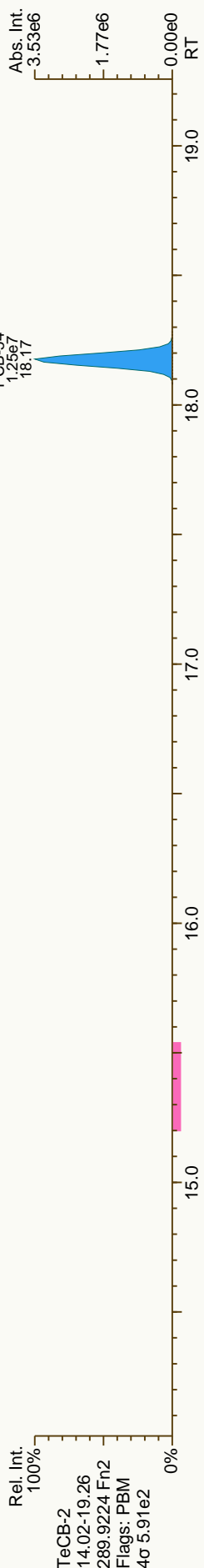


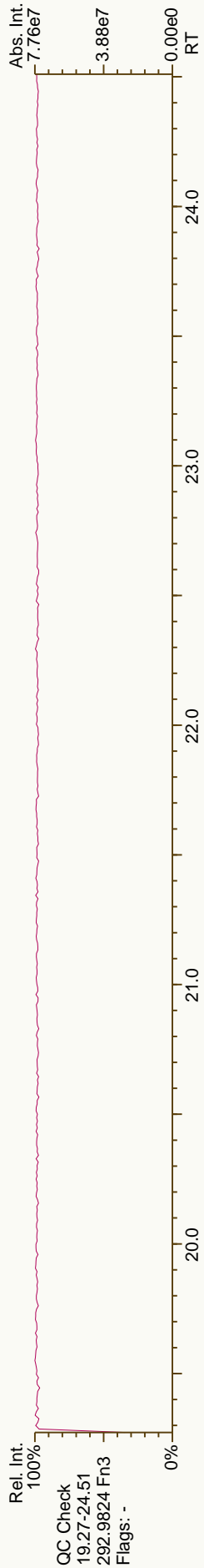
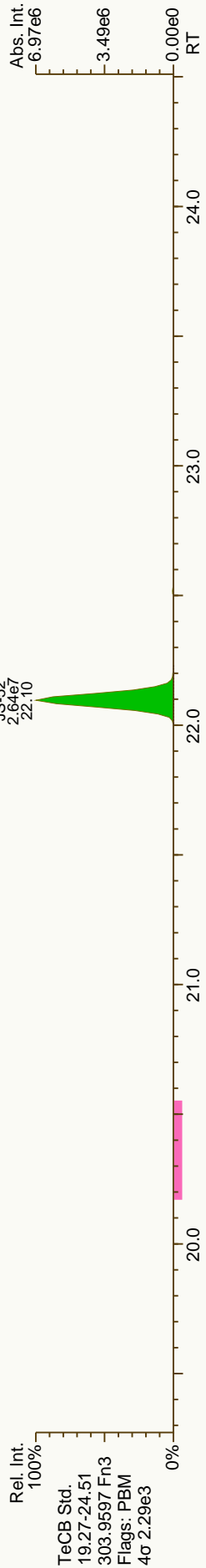
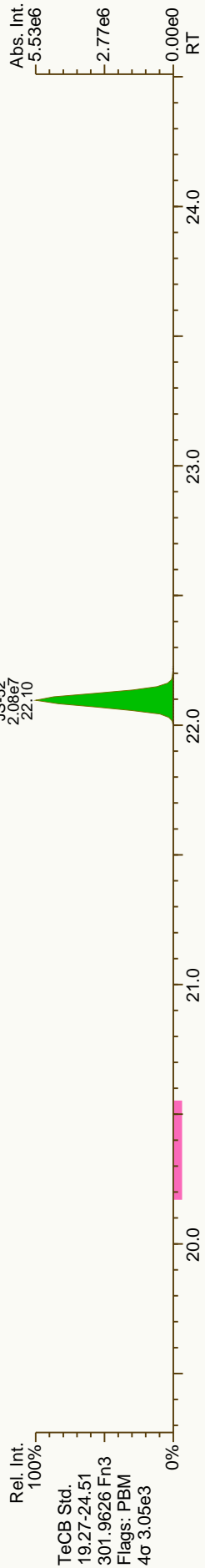
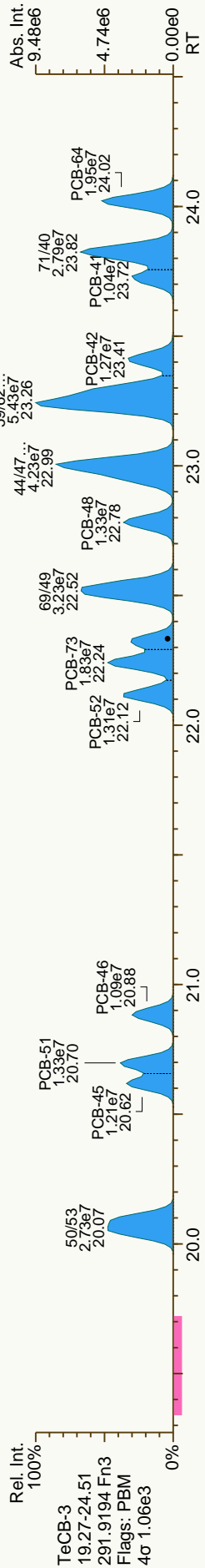
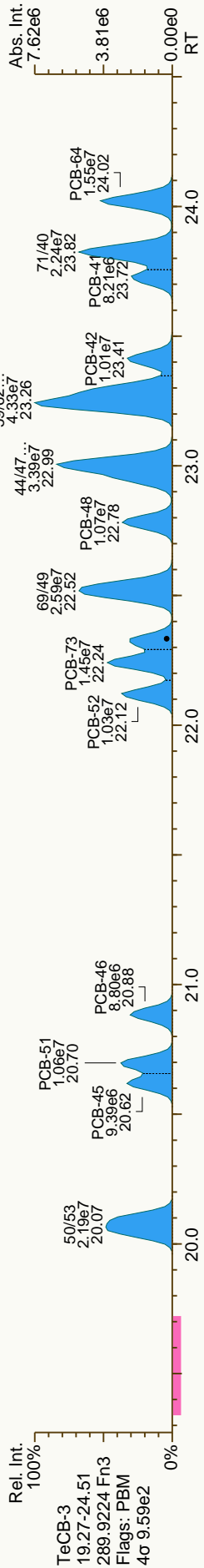


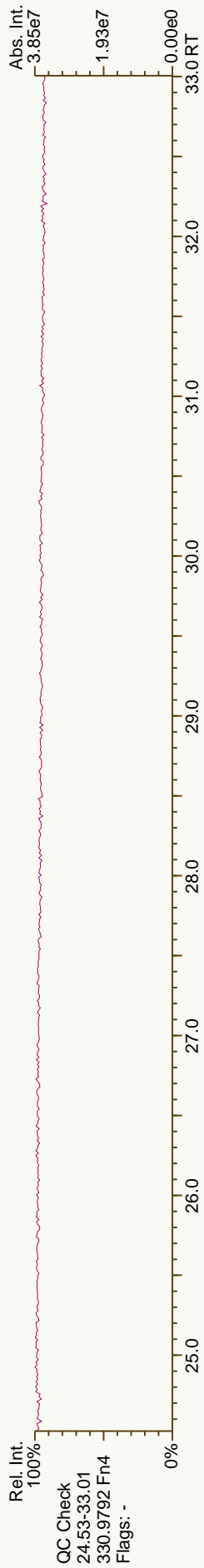
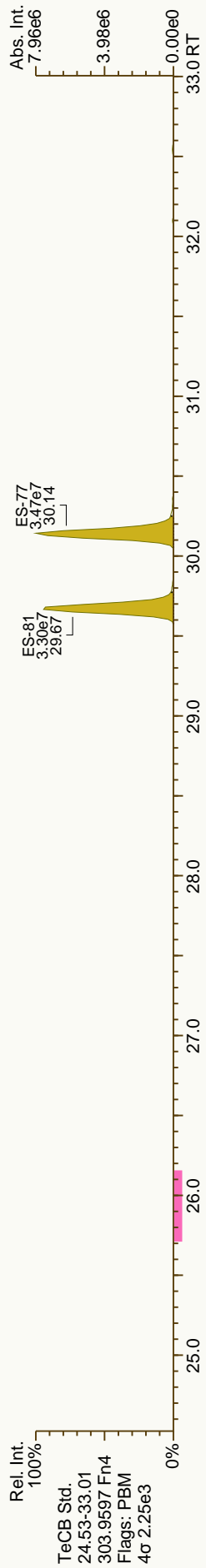
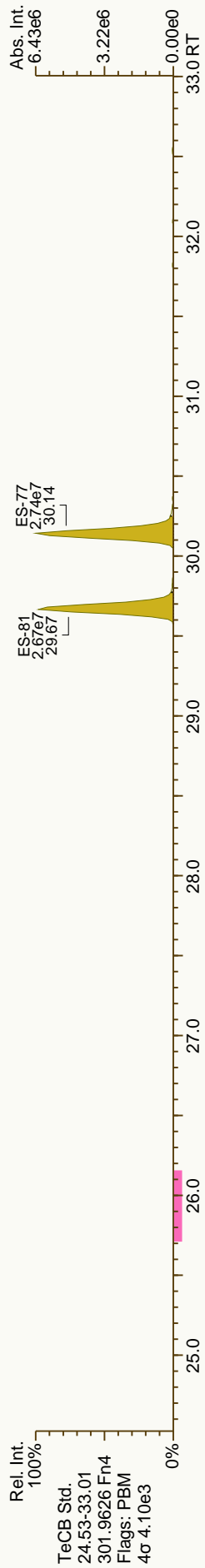
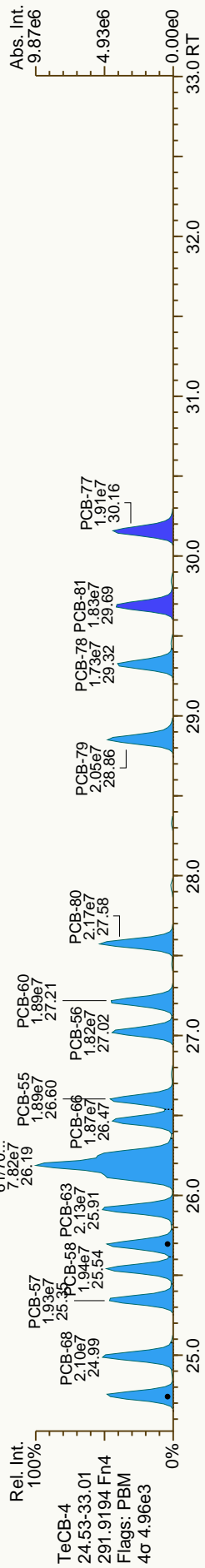
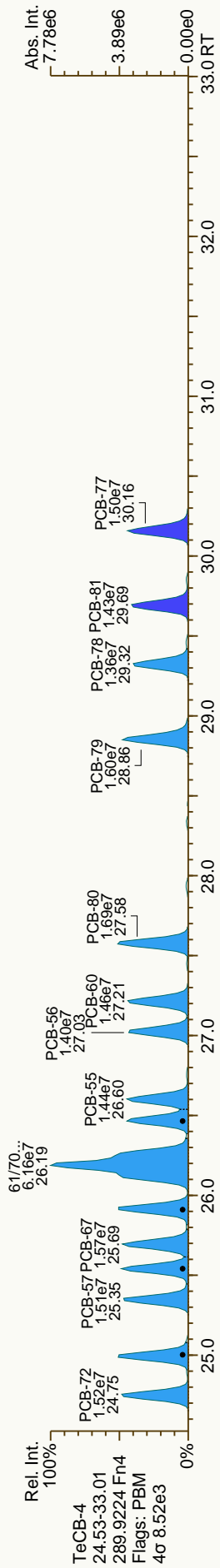


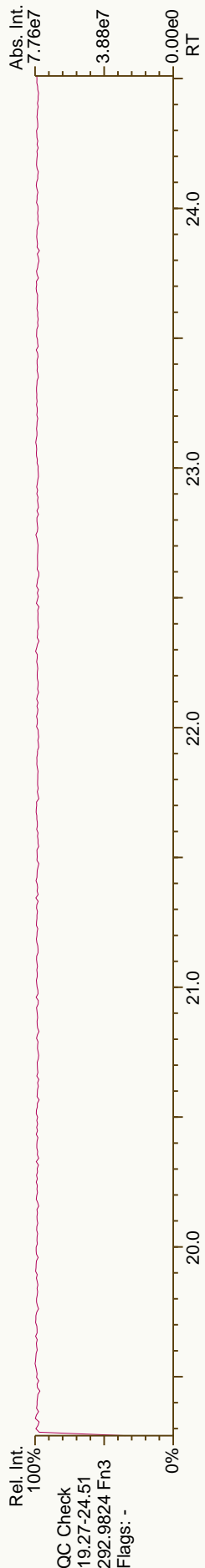
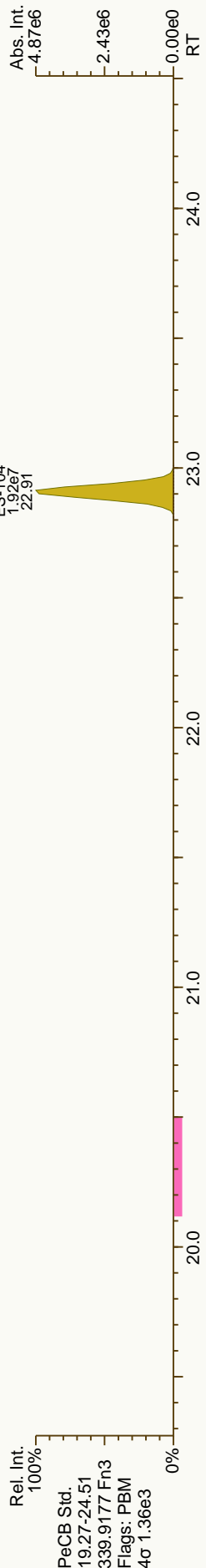
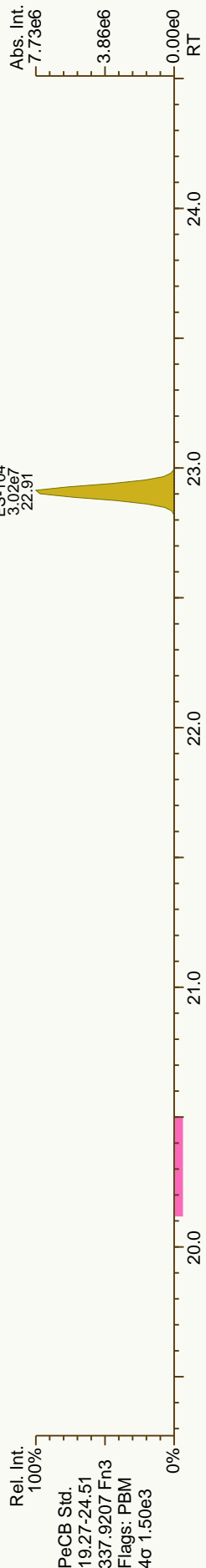
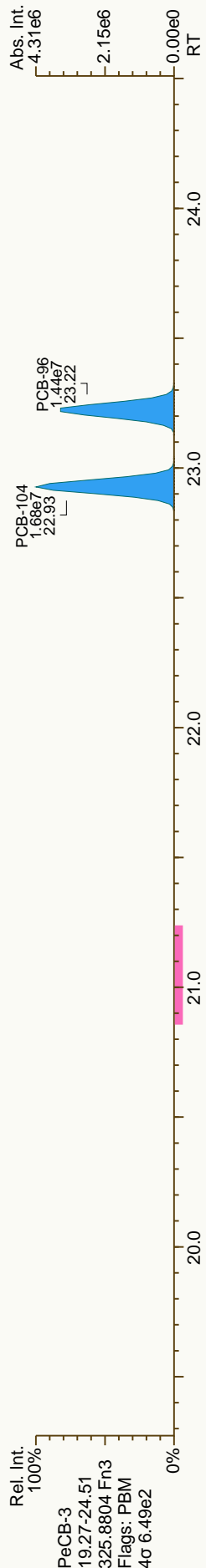
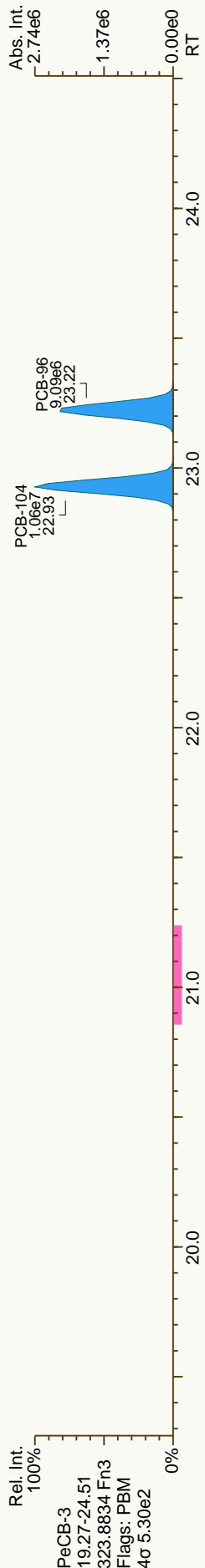


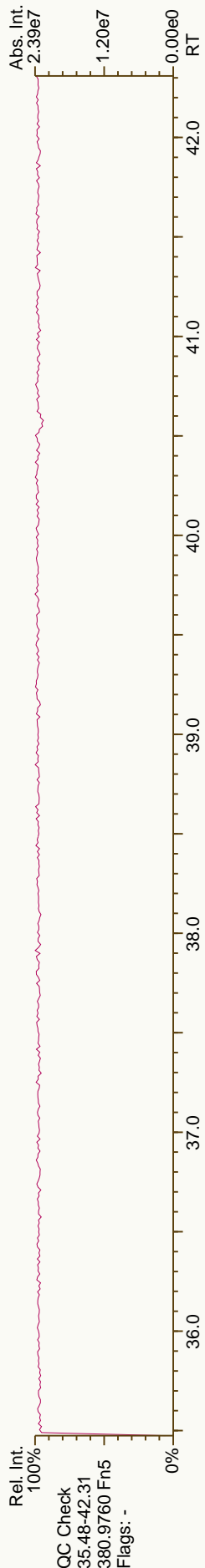
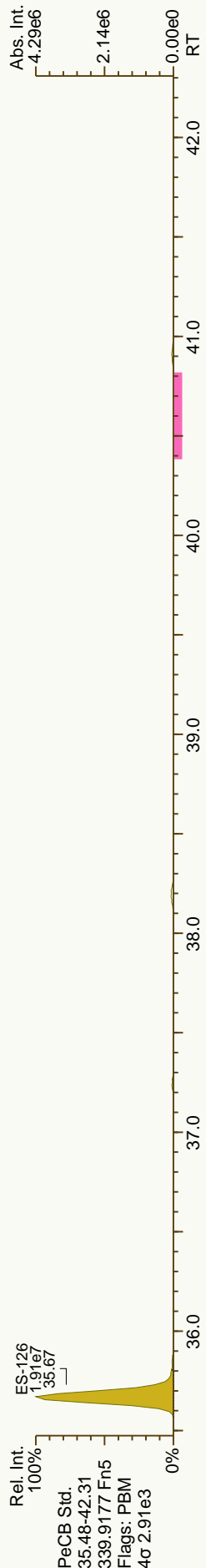
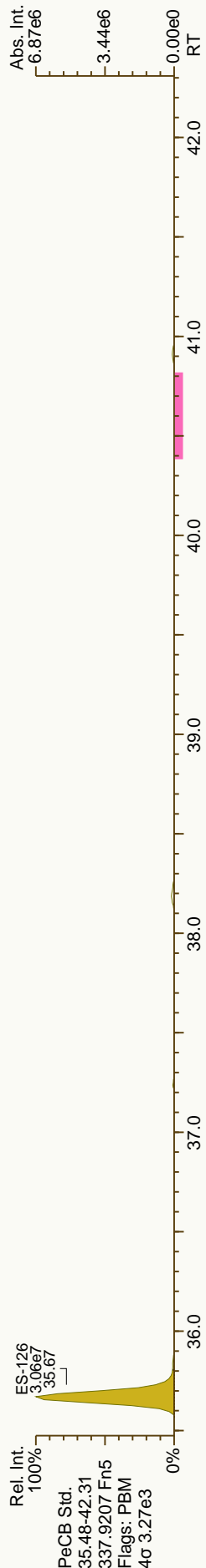
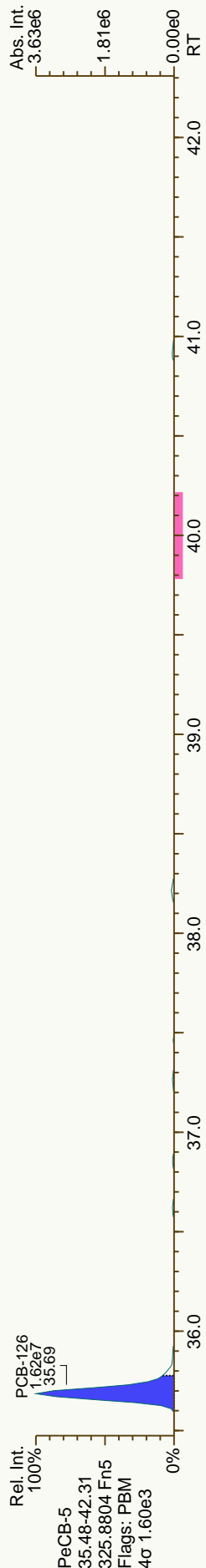
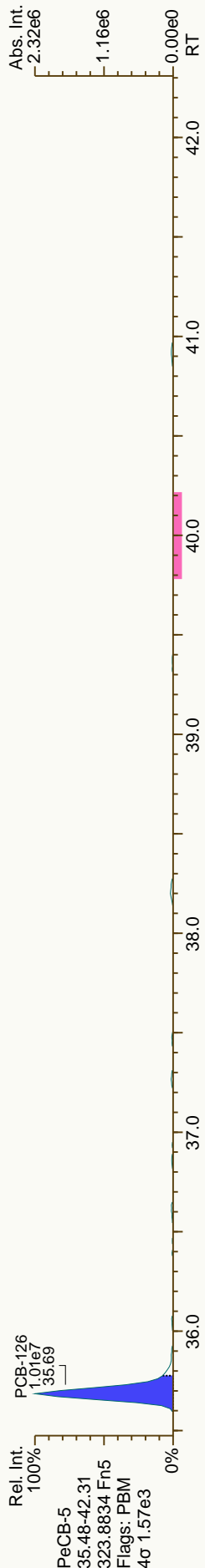


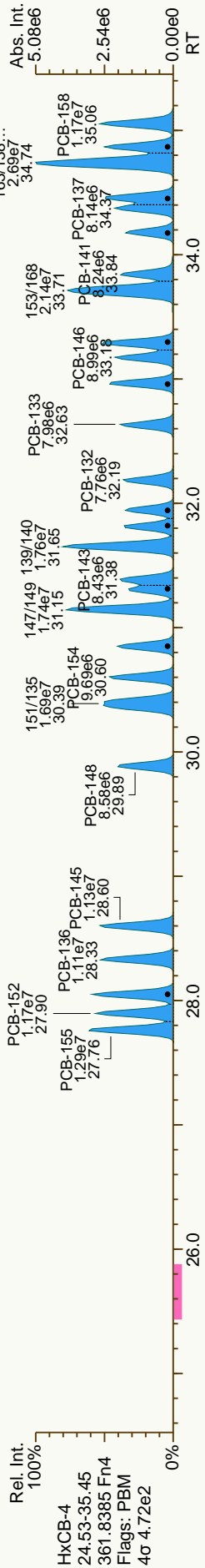
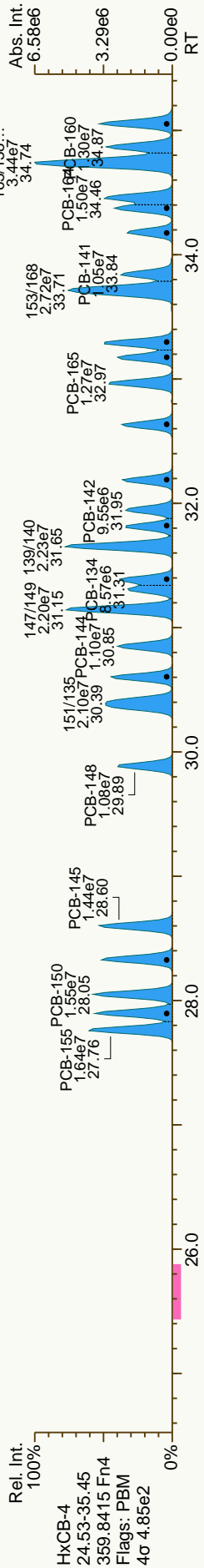


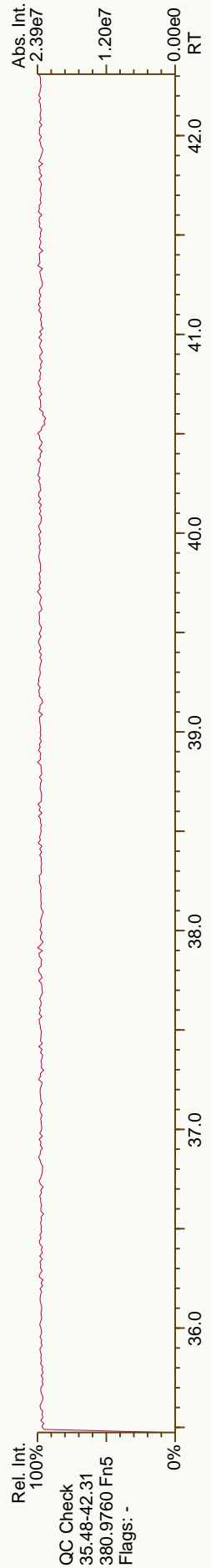
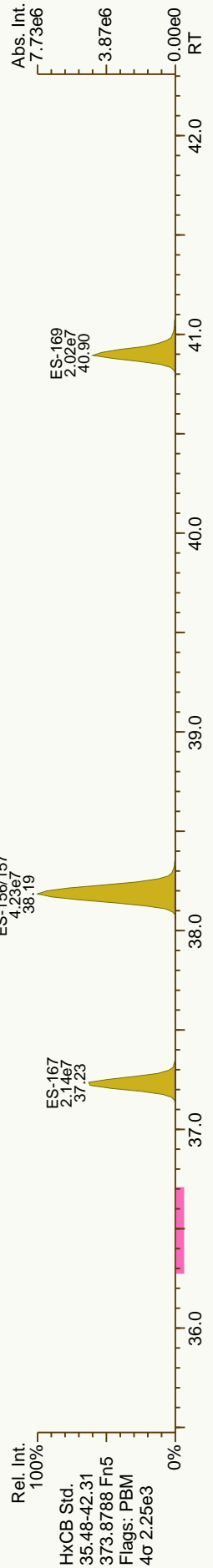
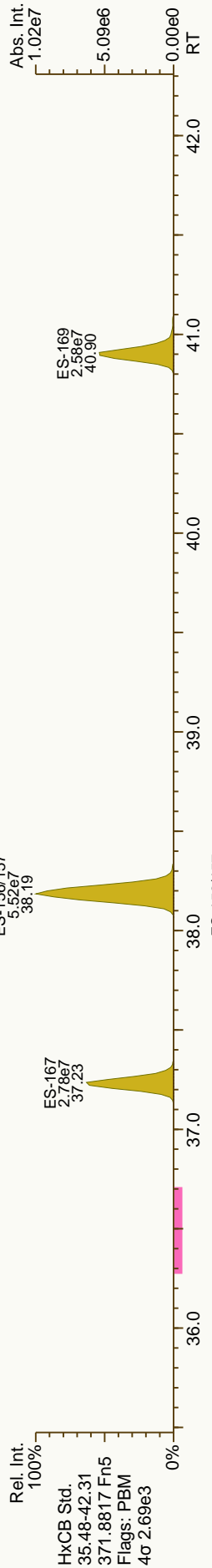
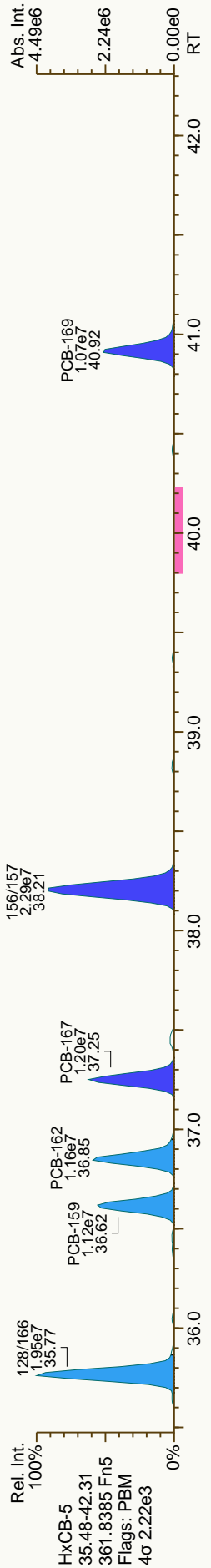
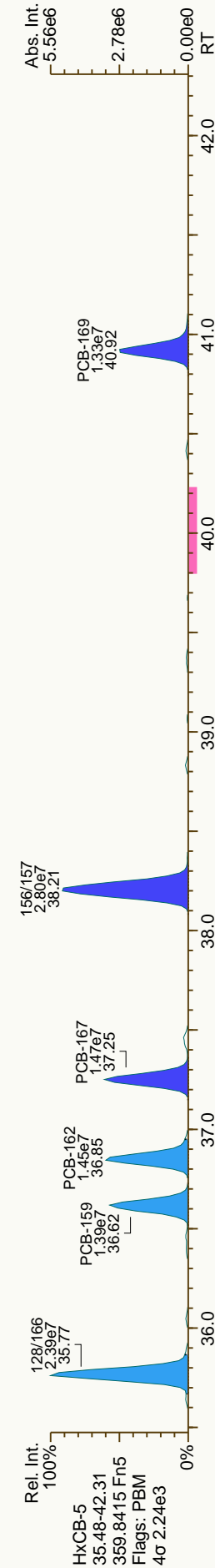


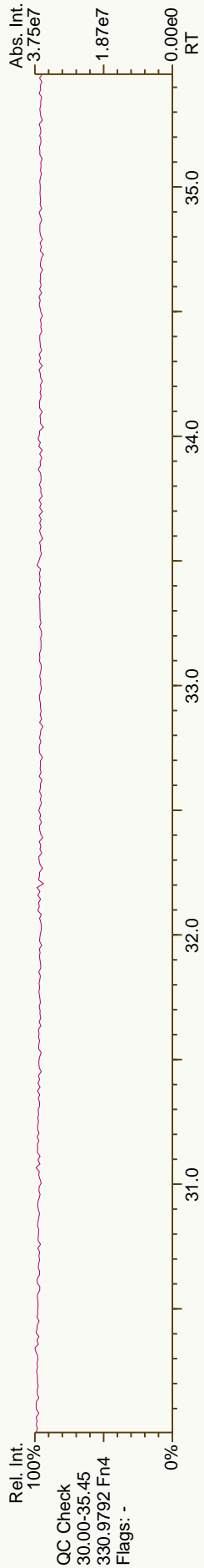
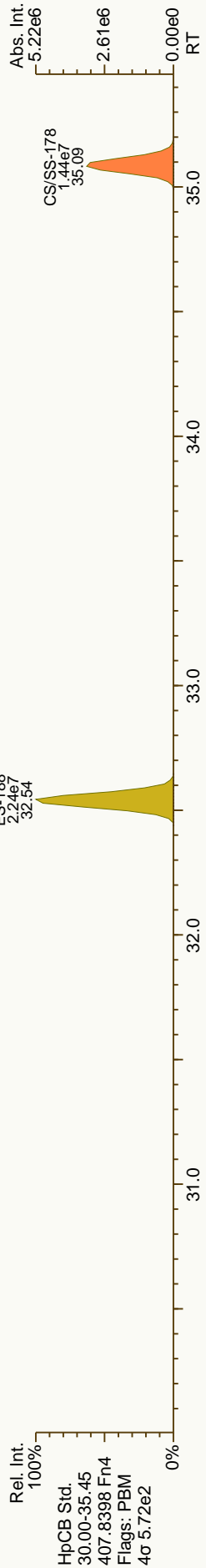
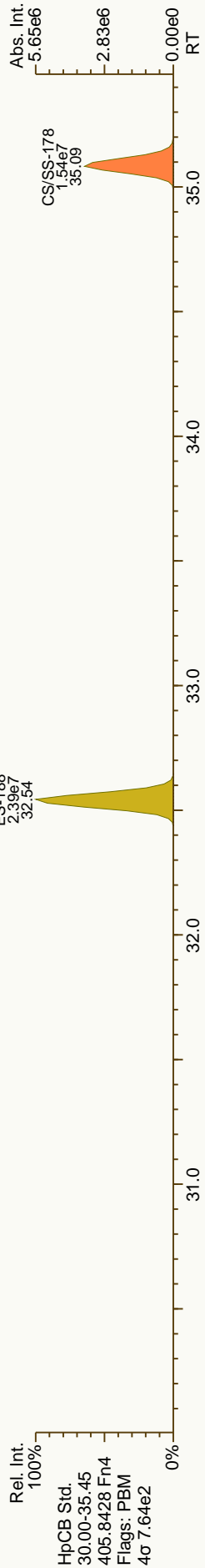
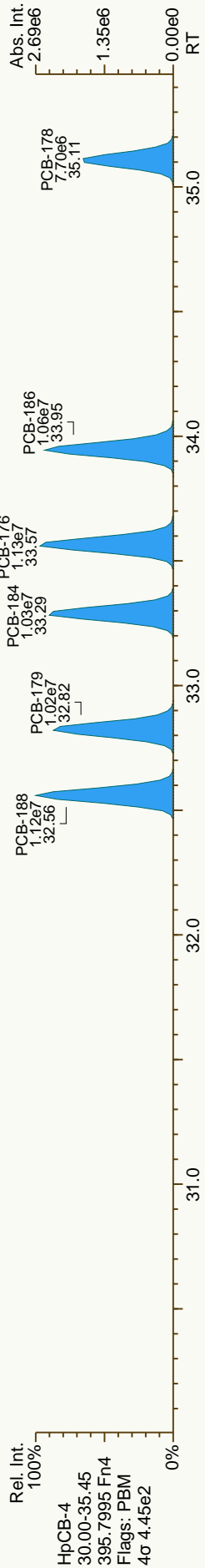
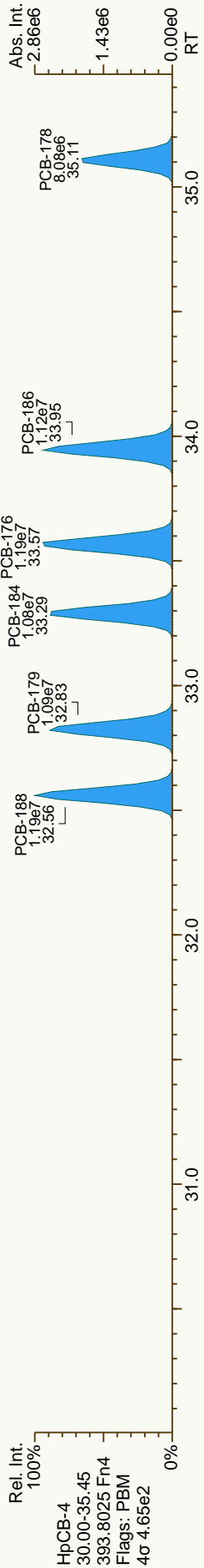


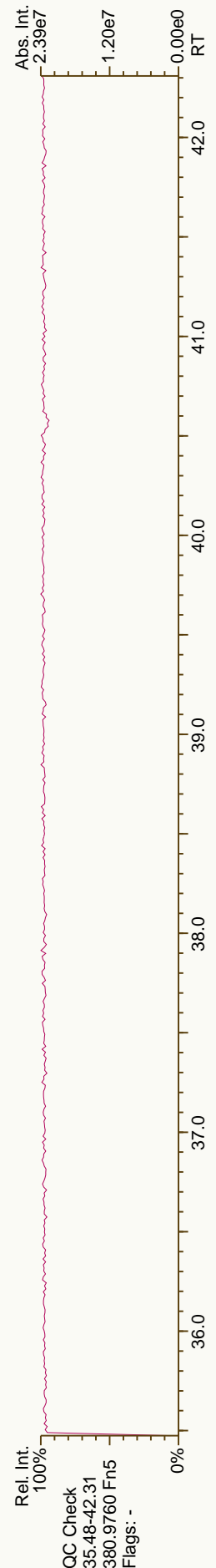
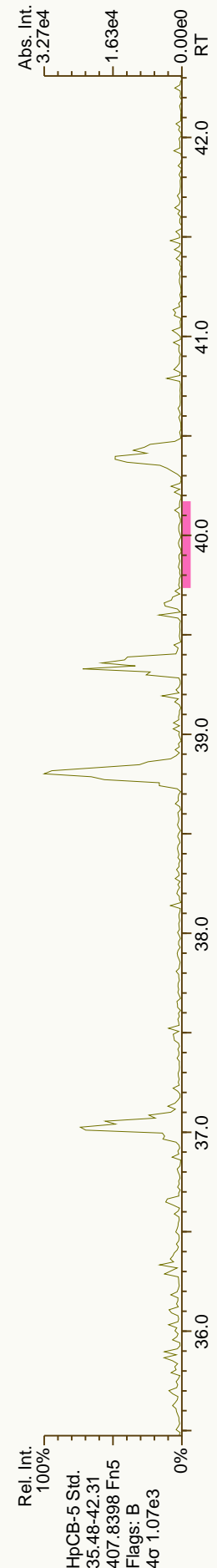
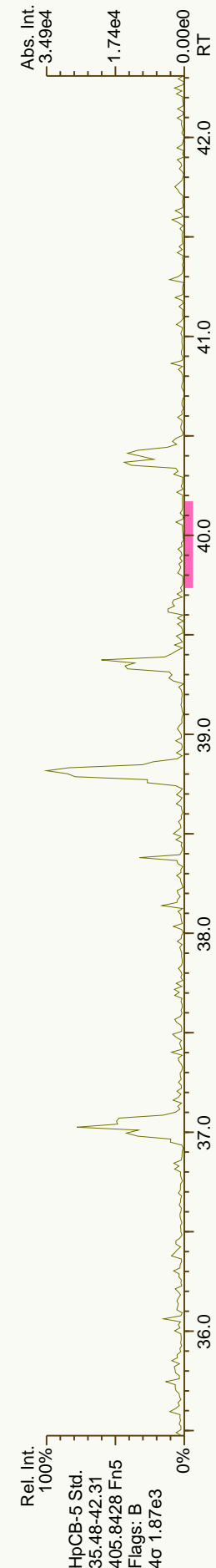
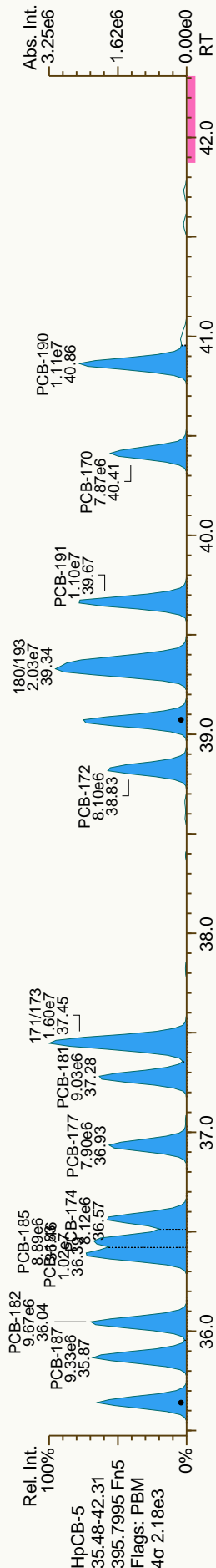
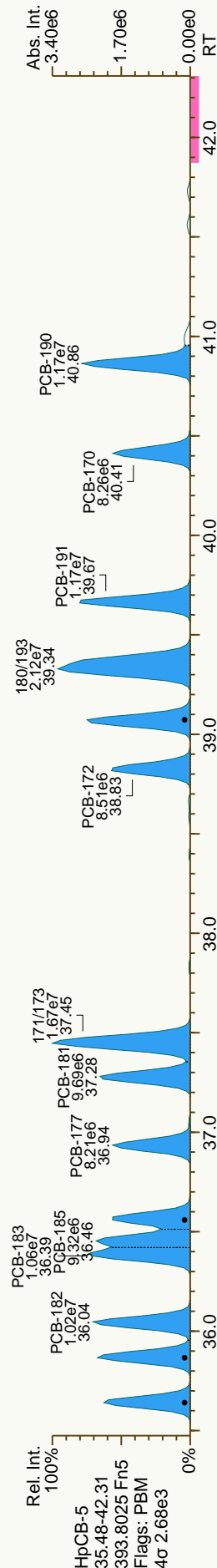


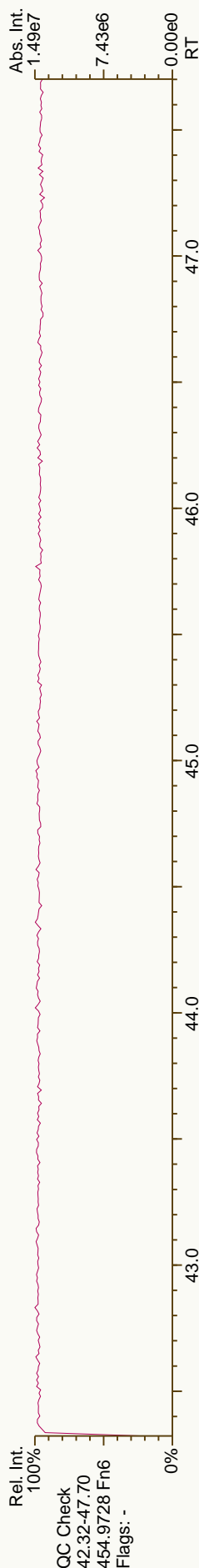
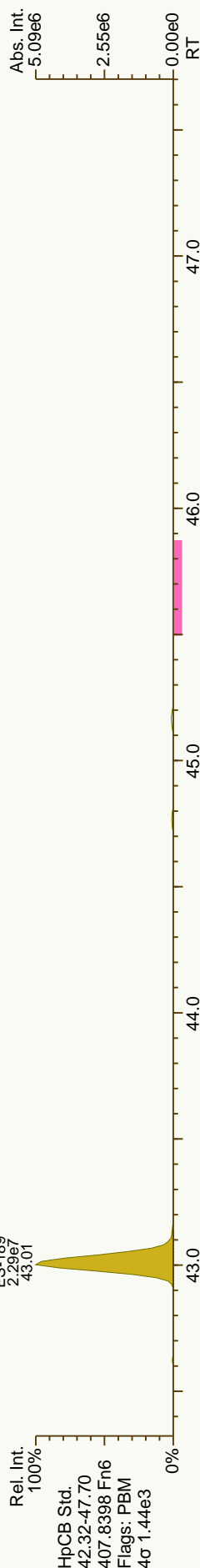
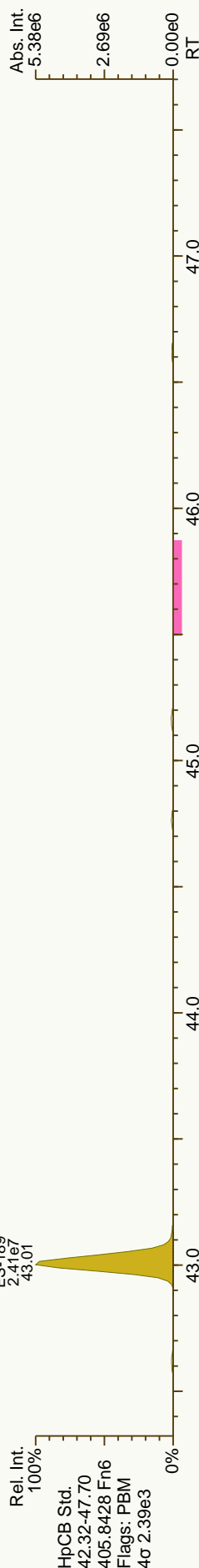
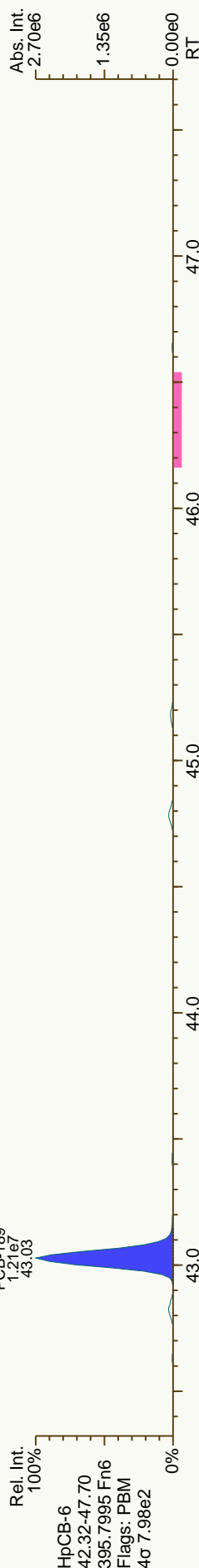
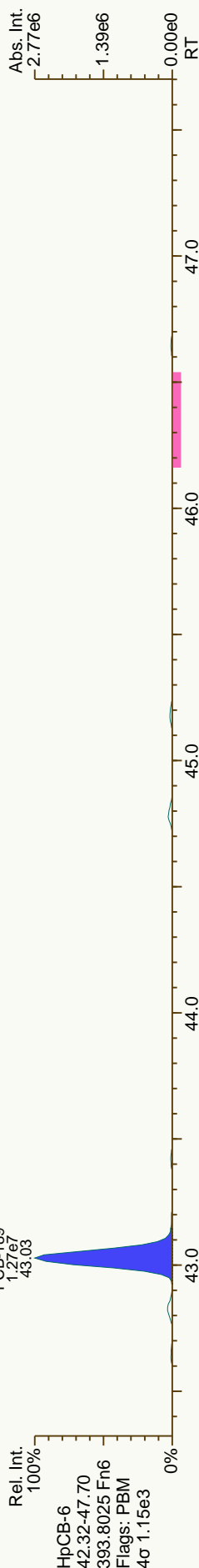


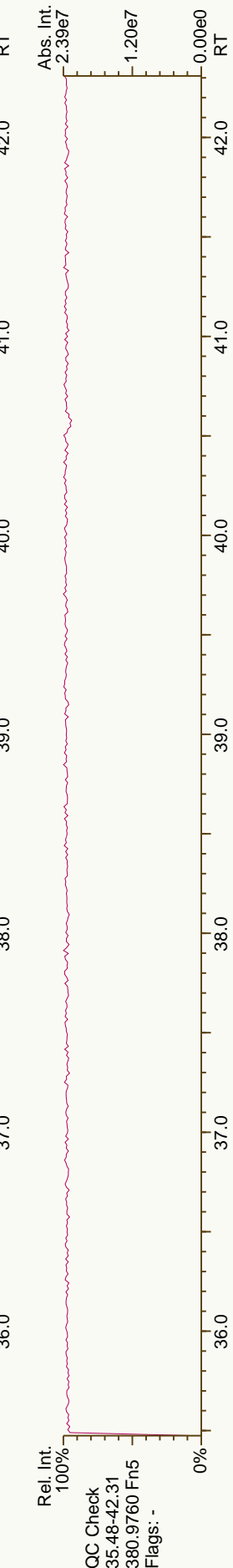
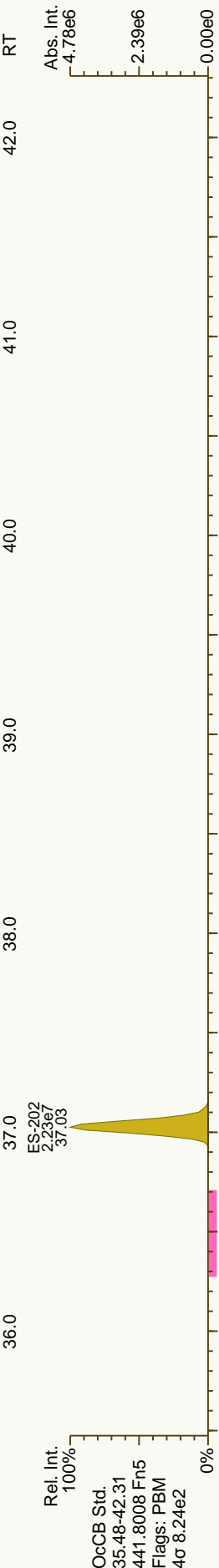
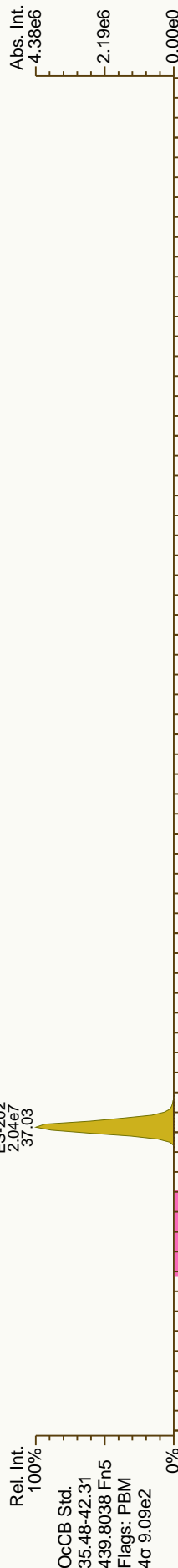
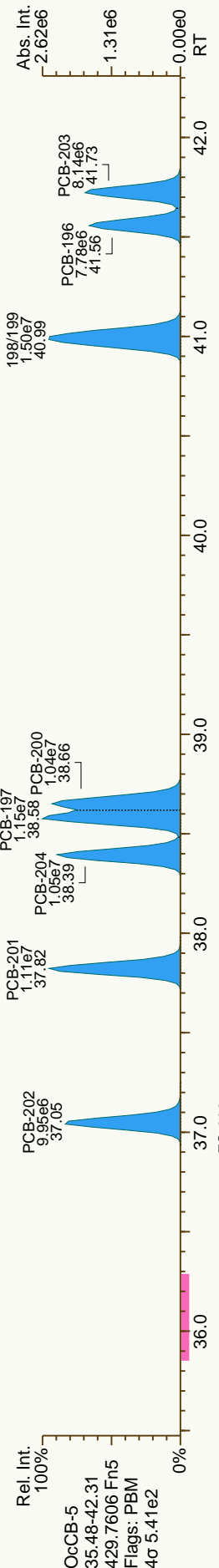
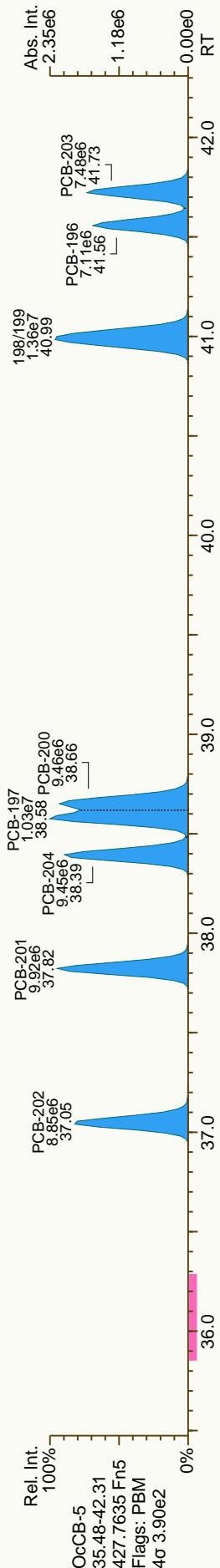


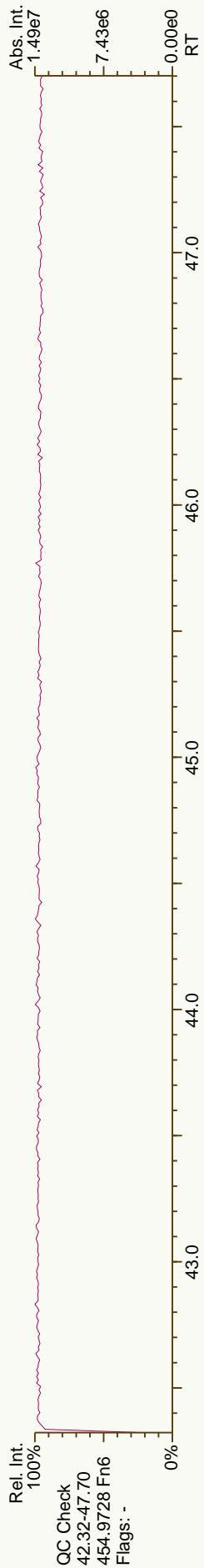
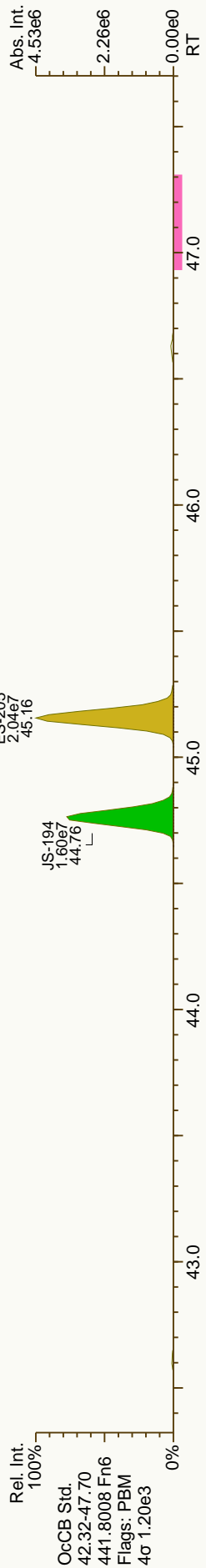
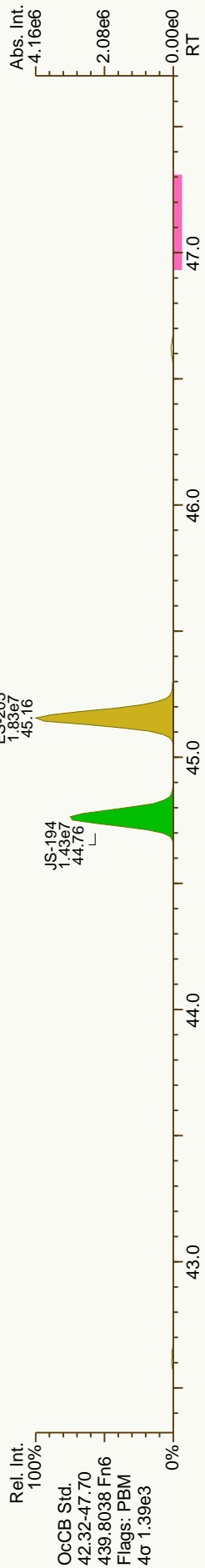
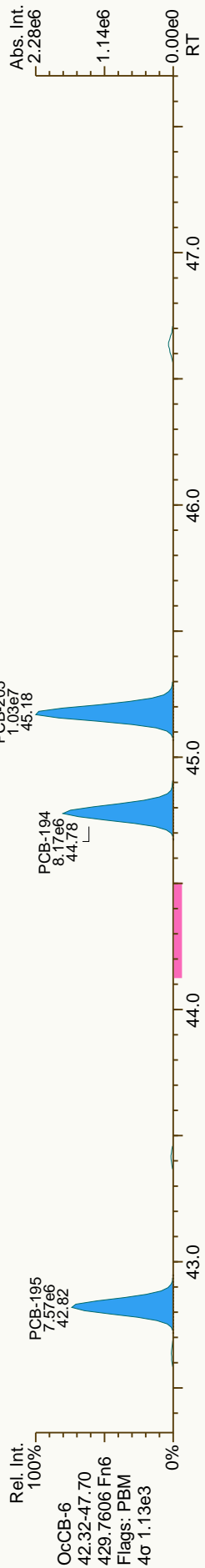
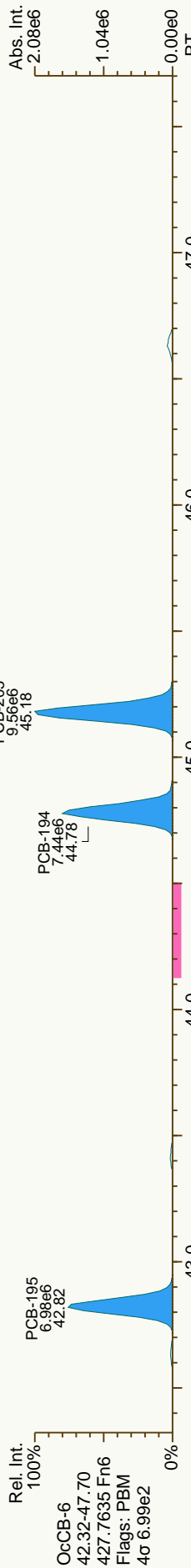


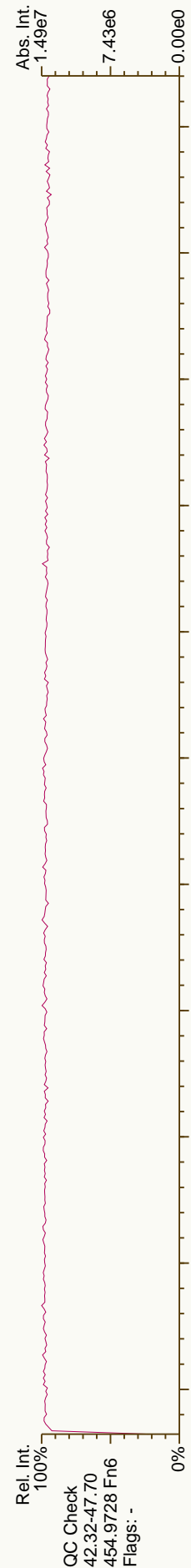
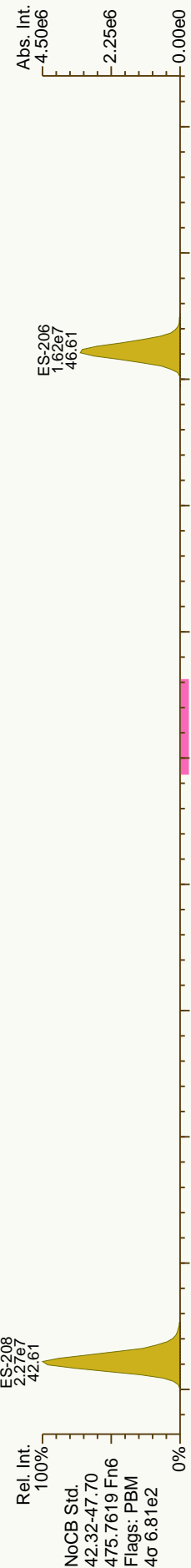
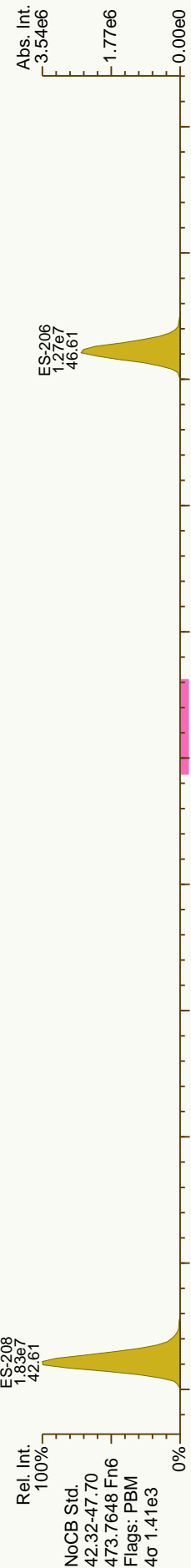
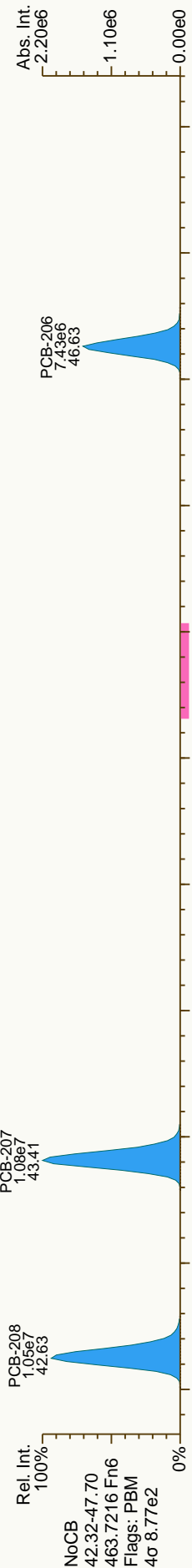
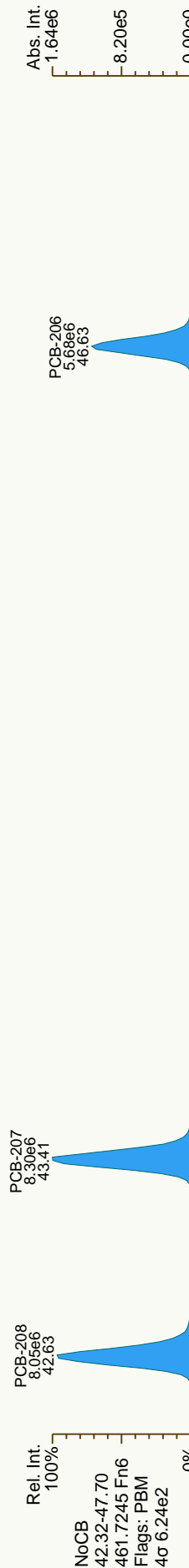




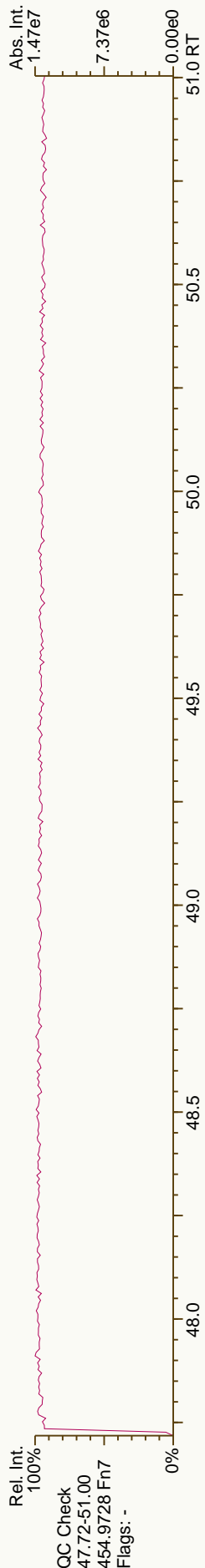
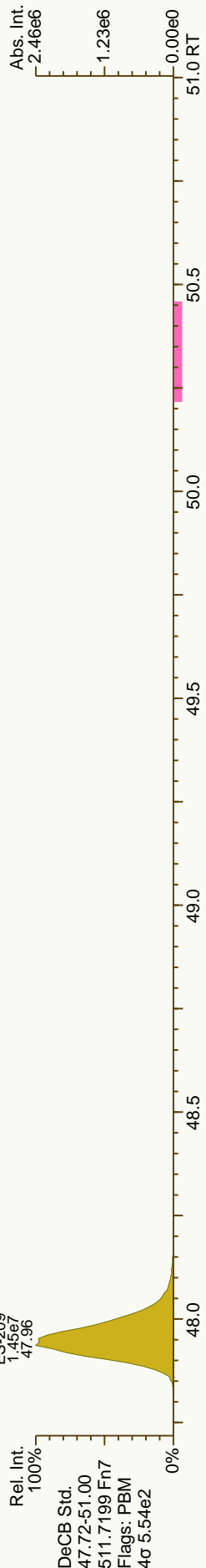
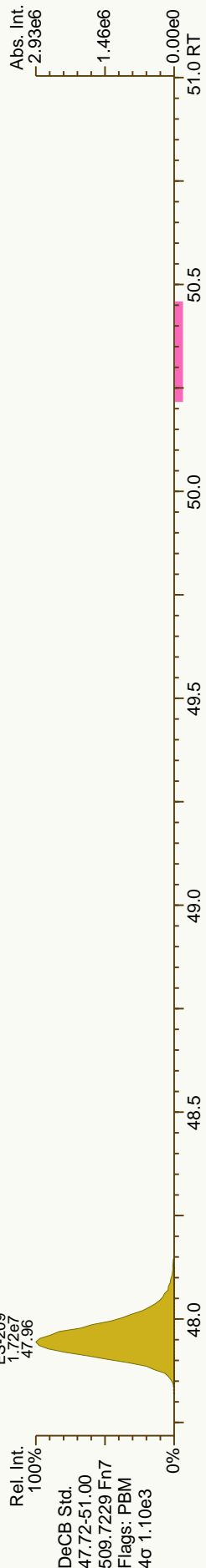
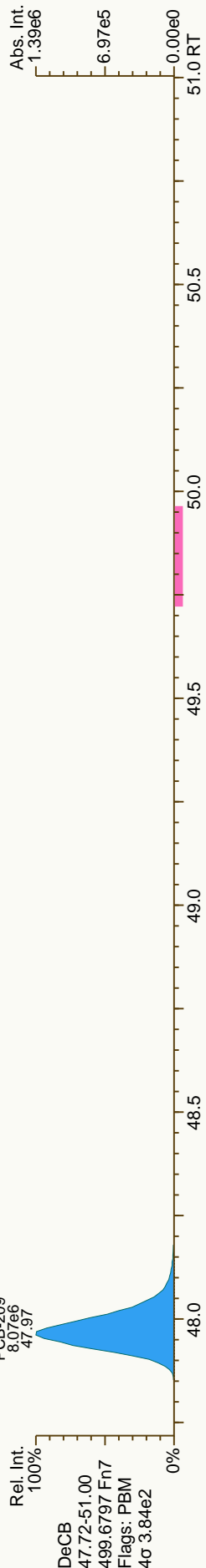
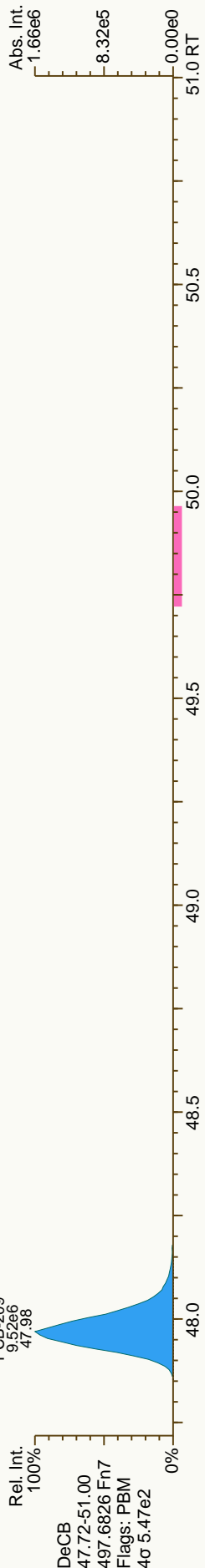




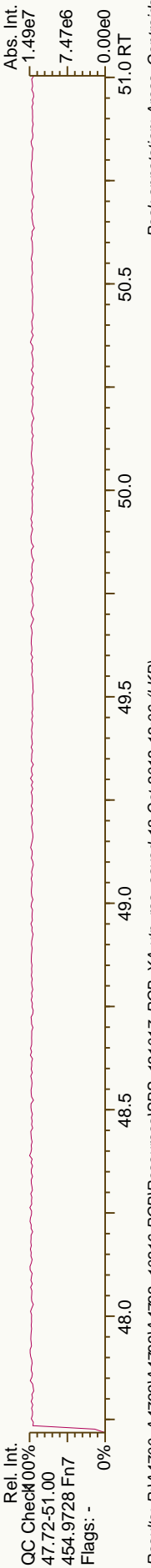
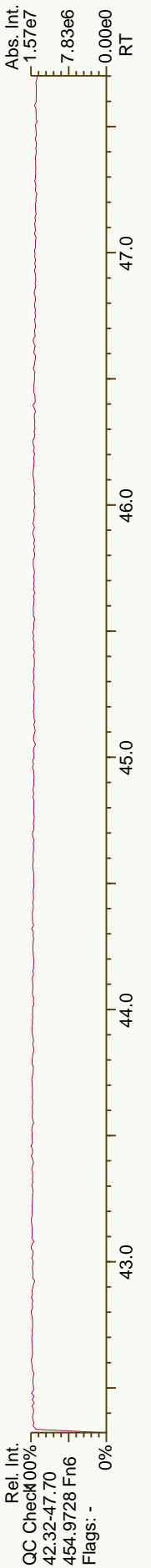
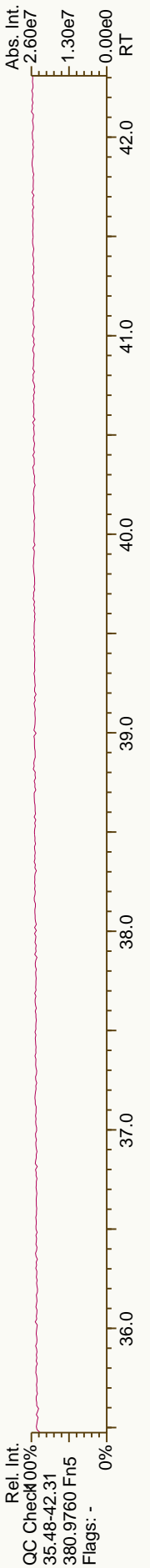
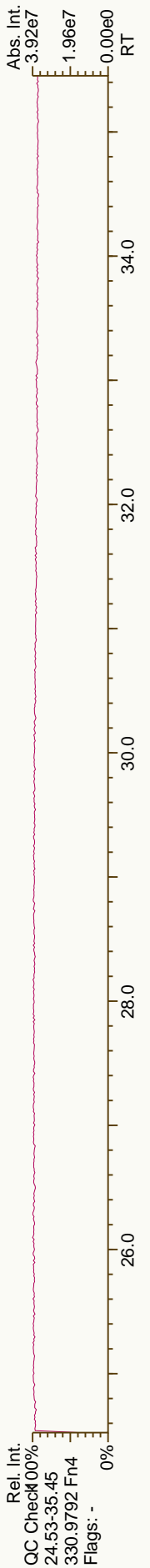
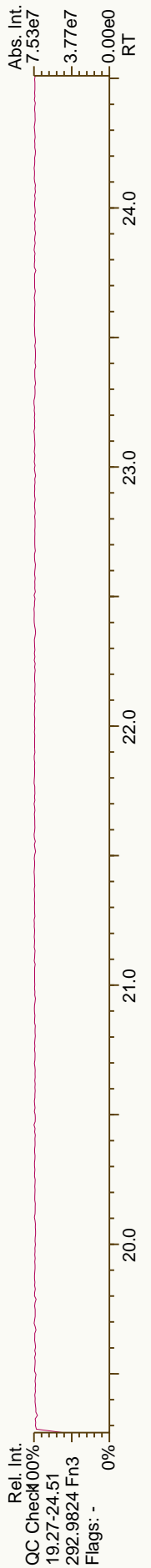
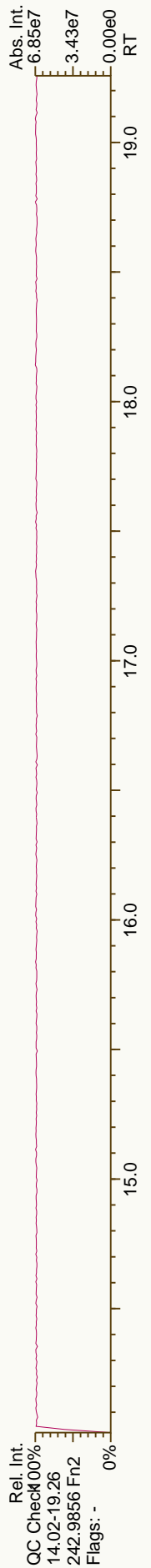
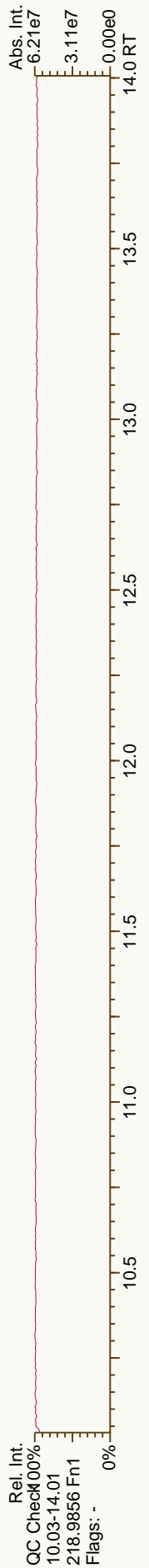


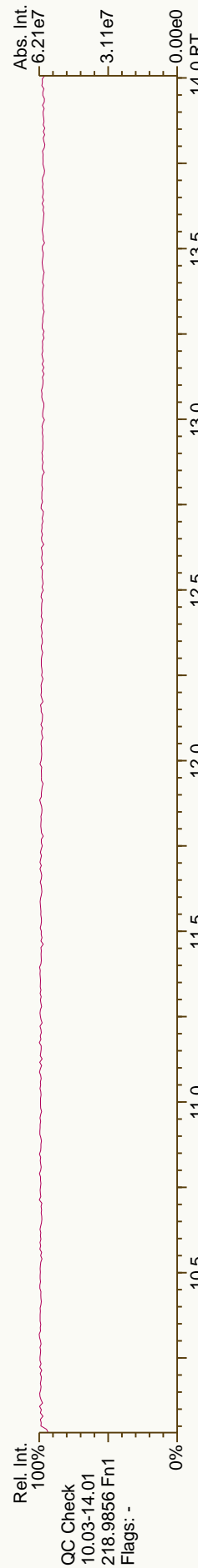
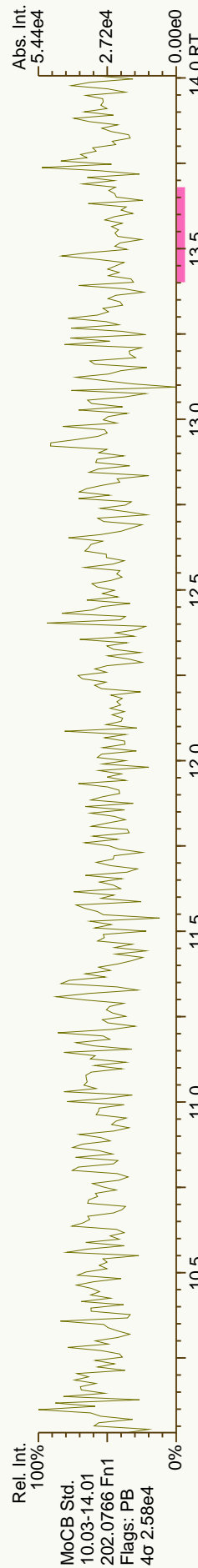
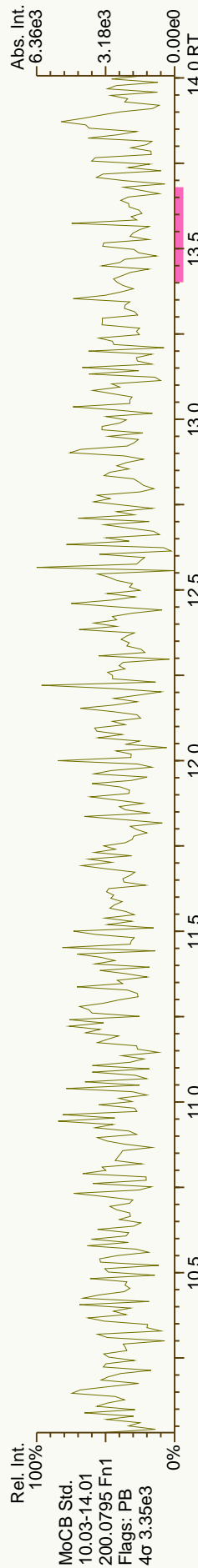
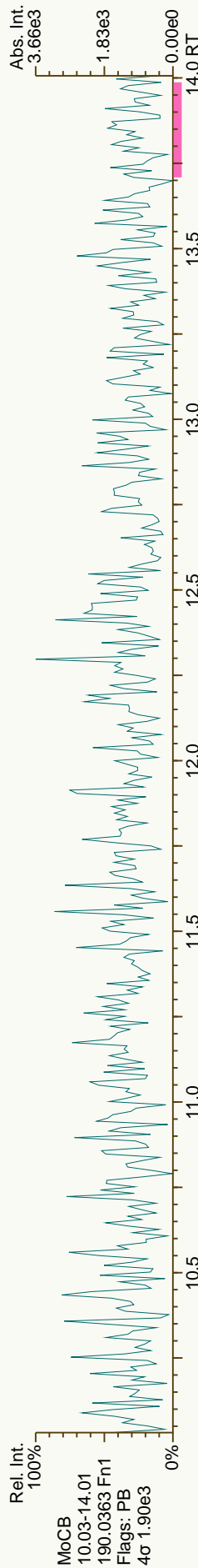
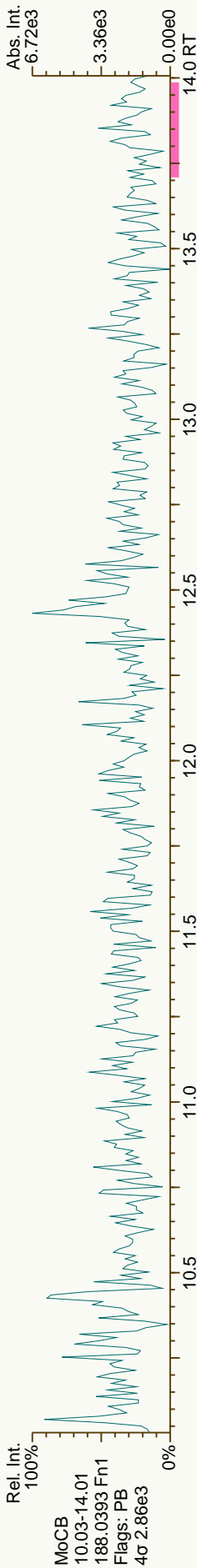


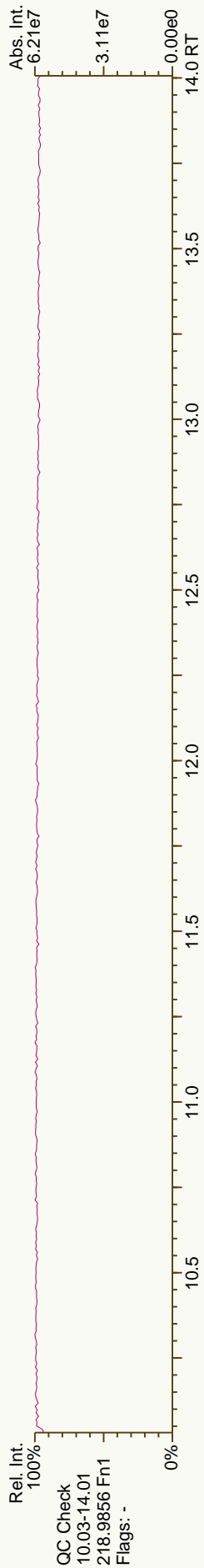
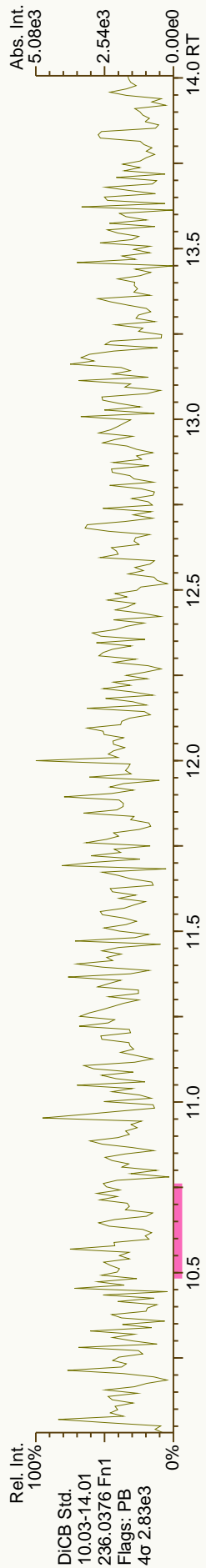
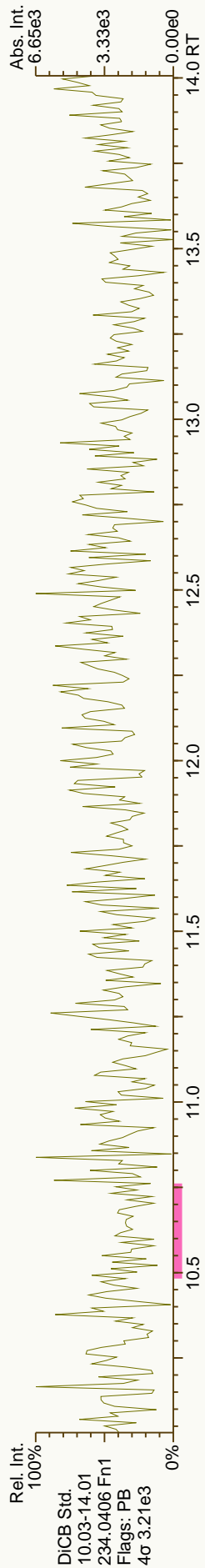
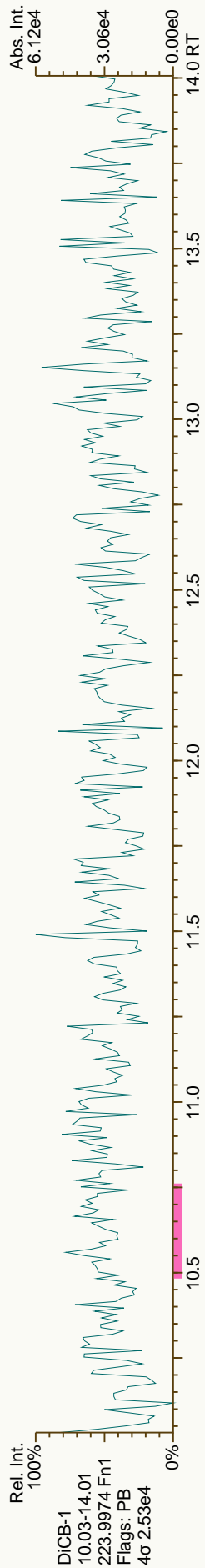
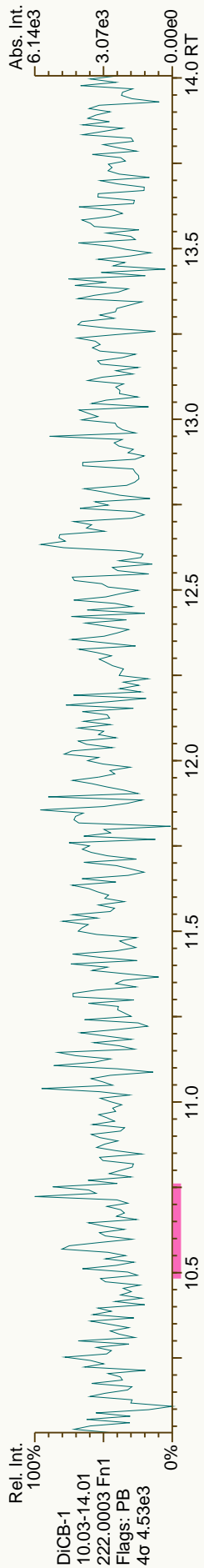
WO# 31203249

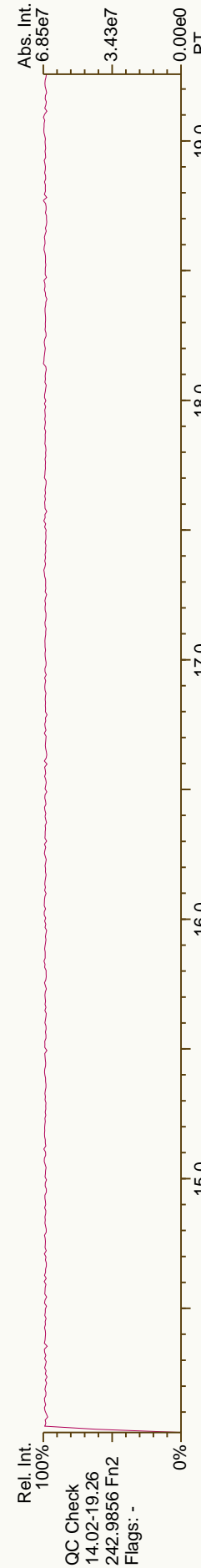
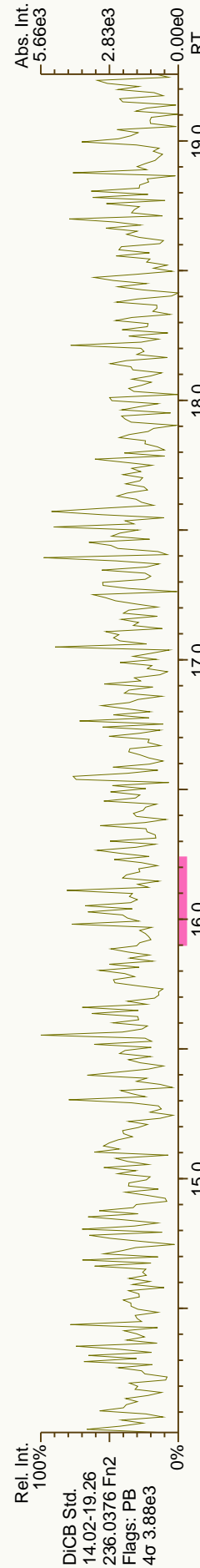
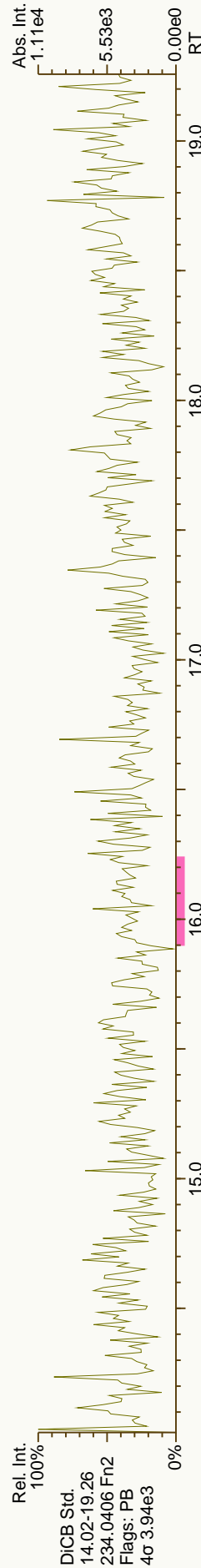
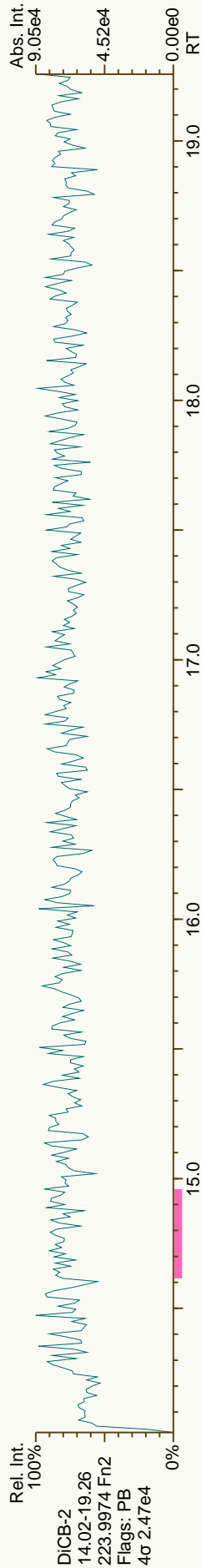
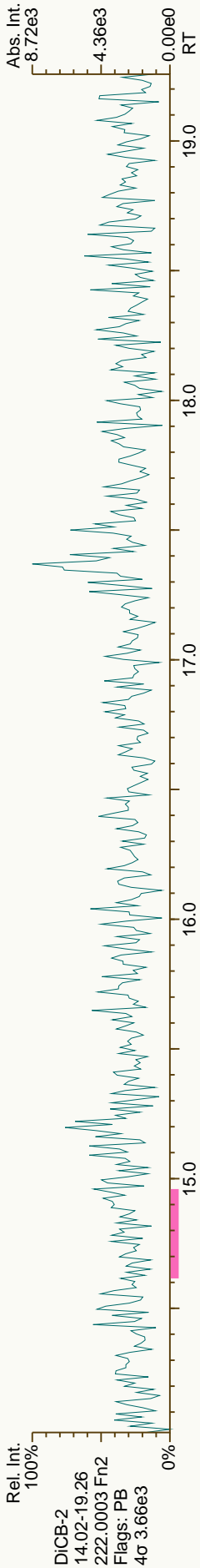


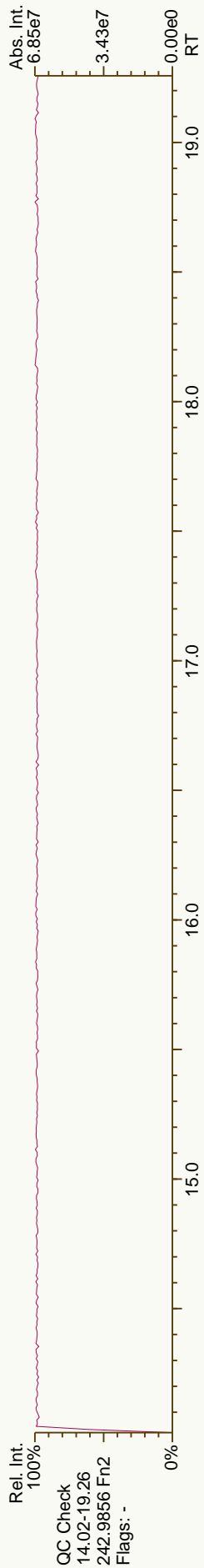
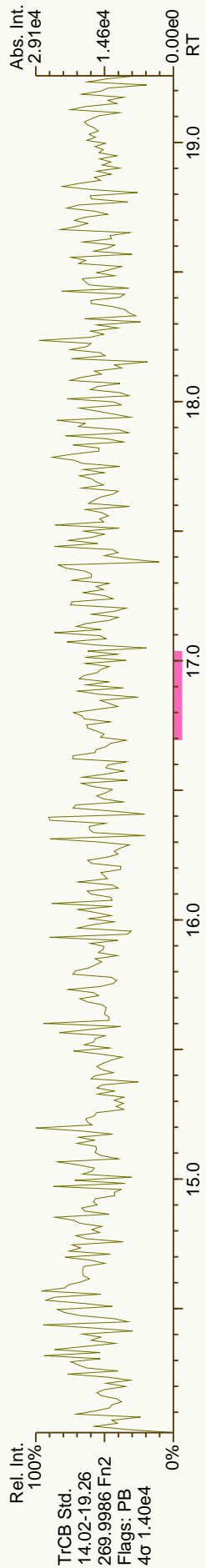
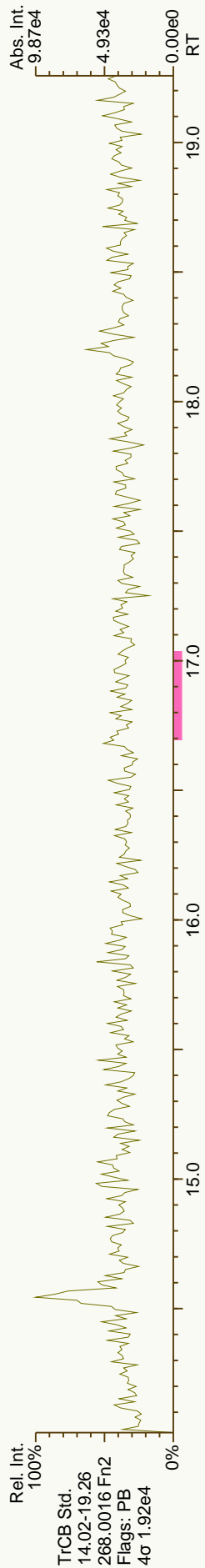
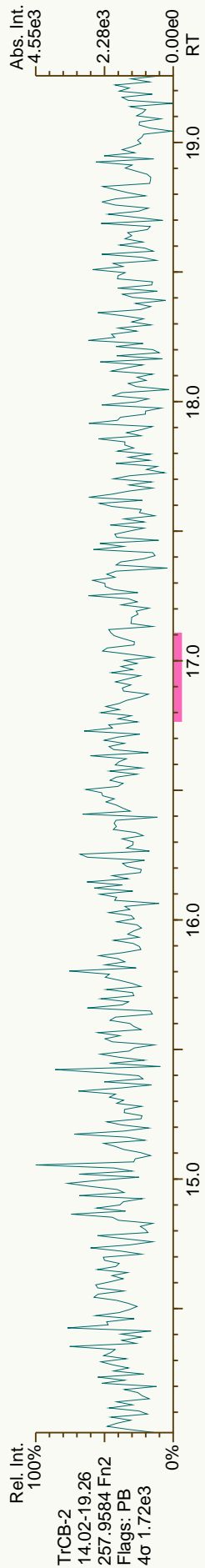
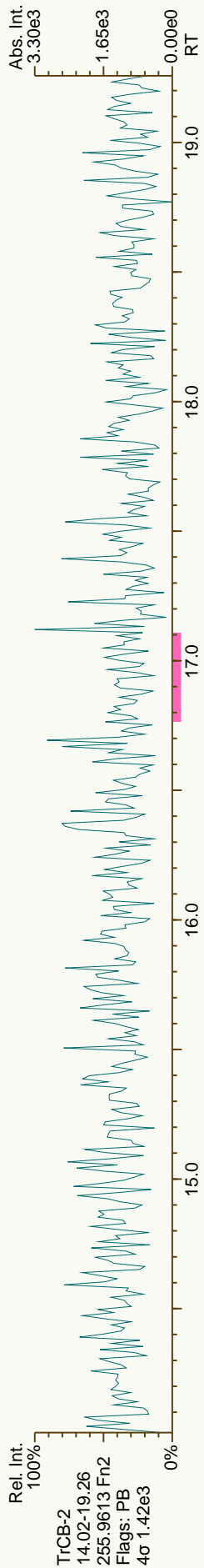
Page 1151 of 1185

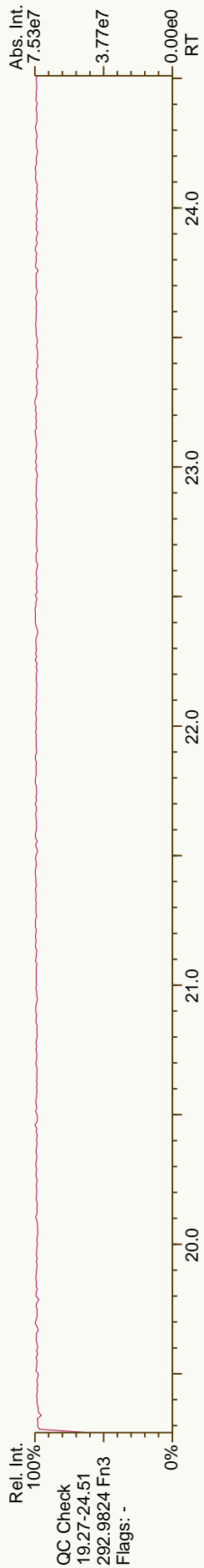
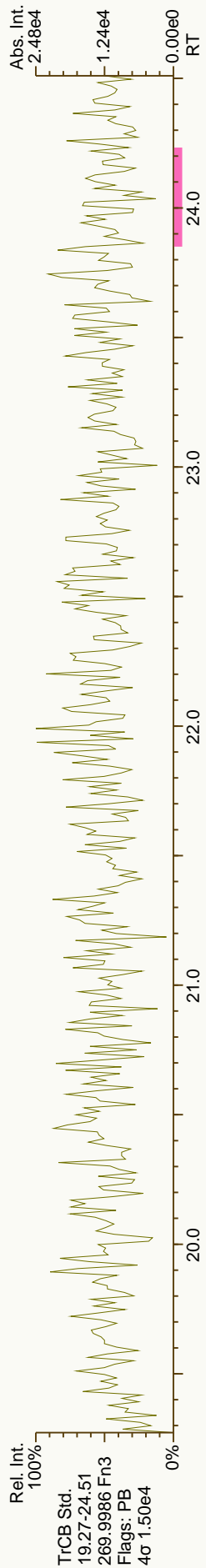
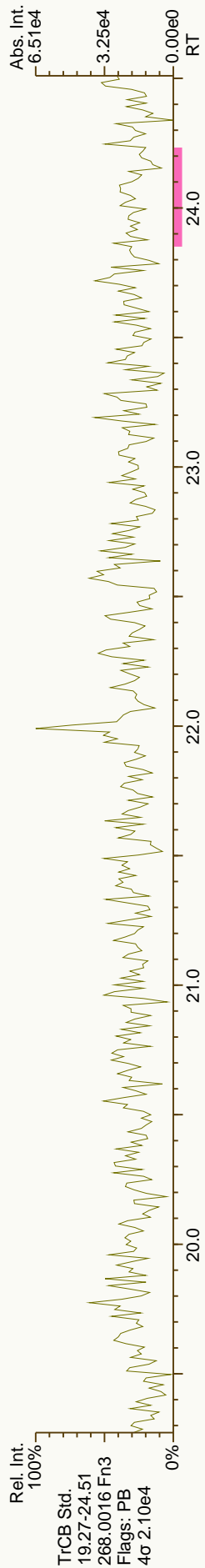
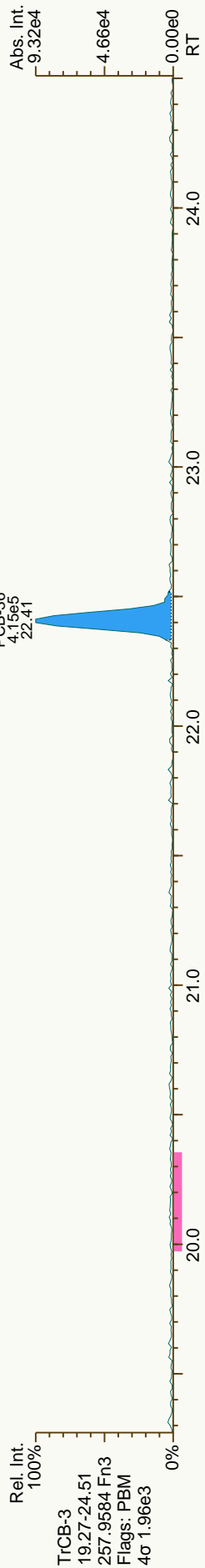
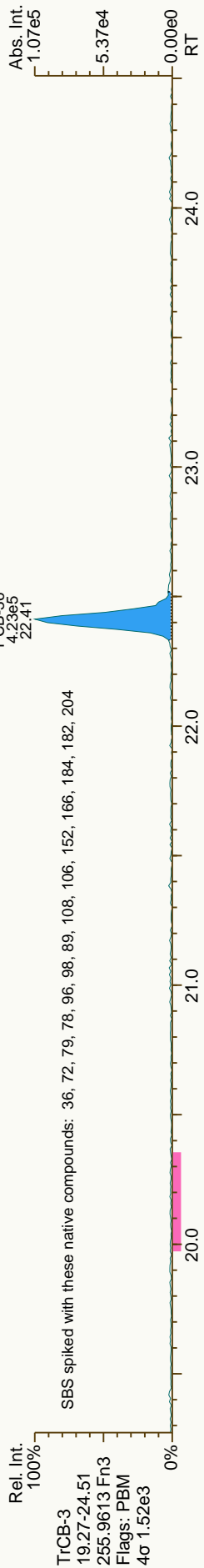


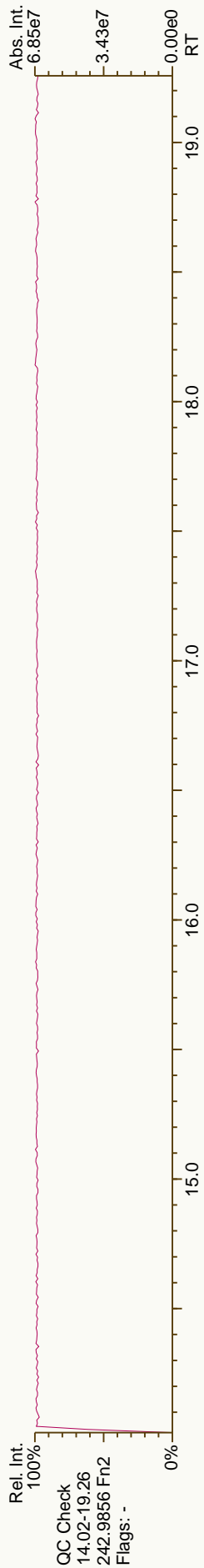
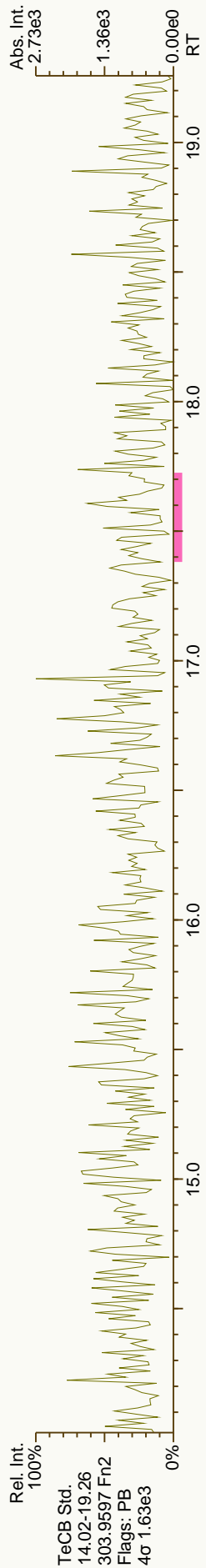
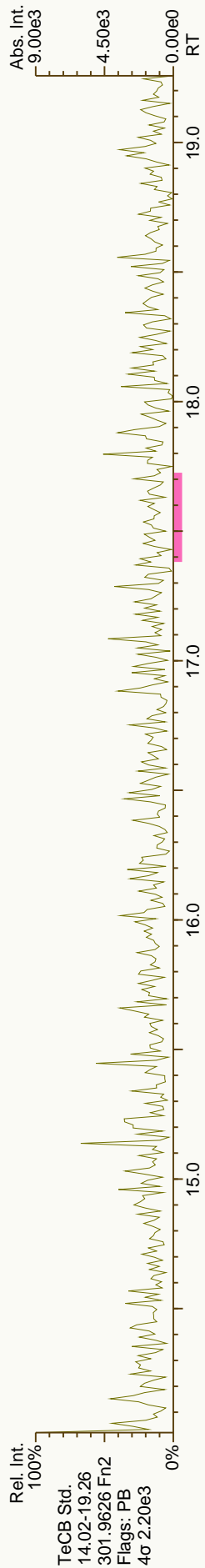
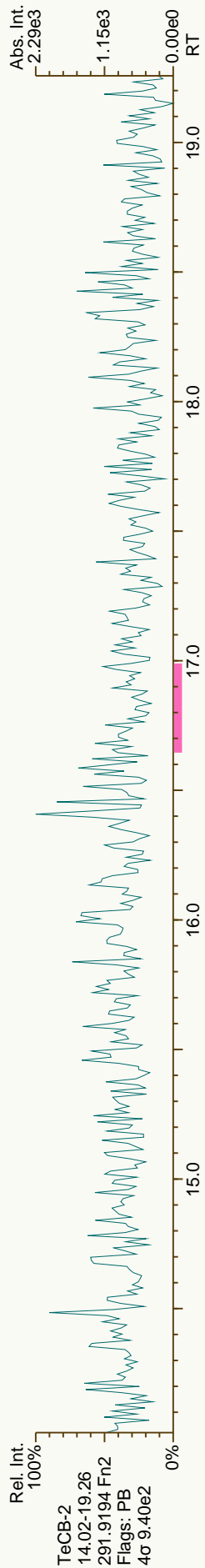
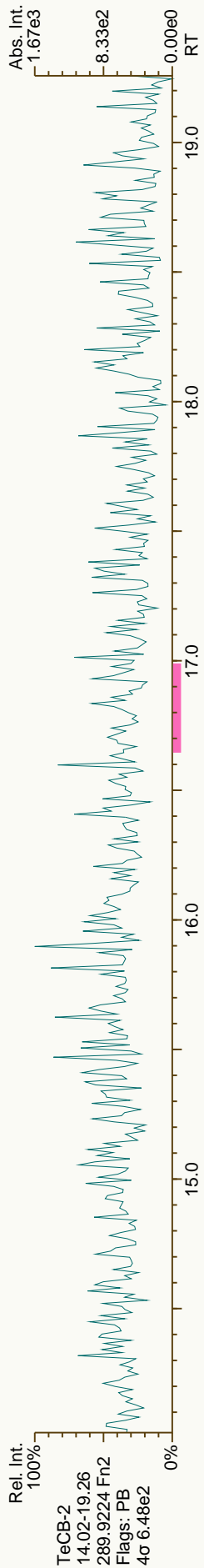


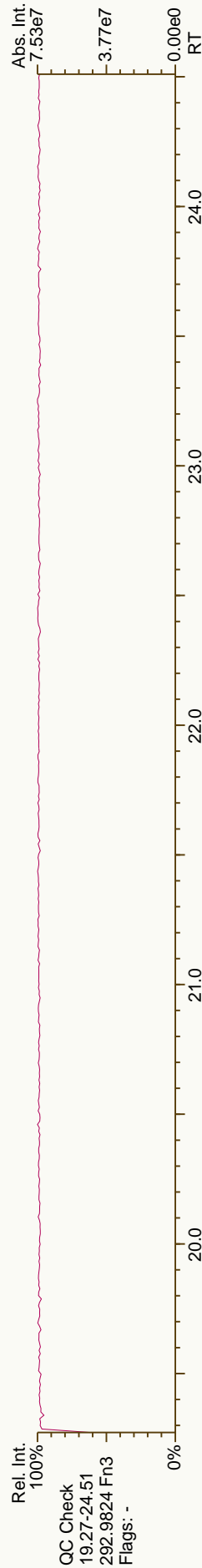
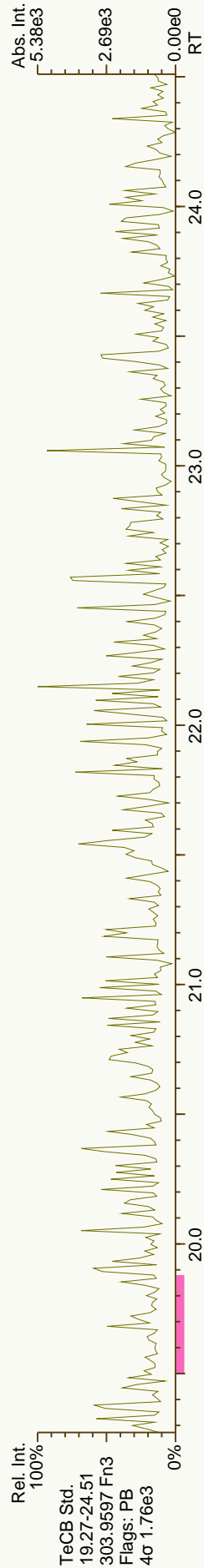
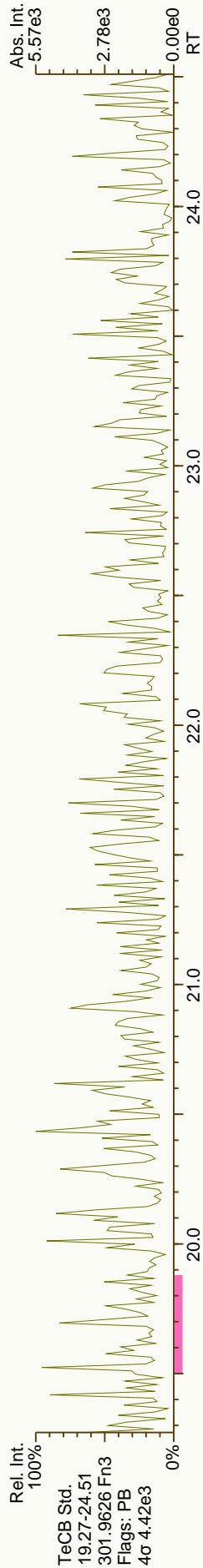
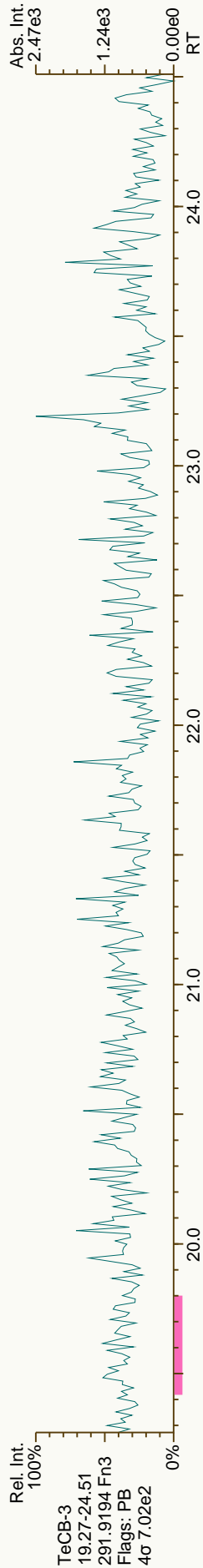
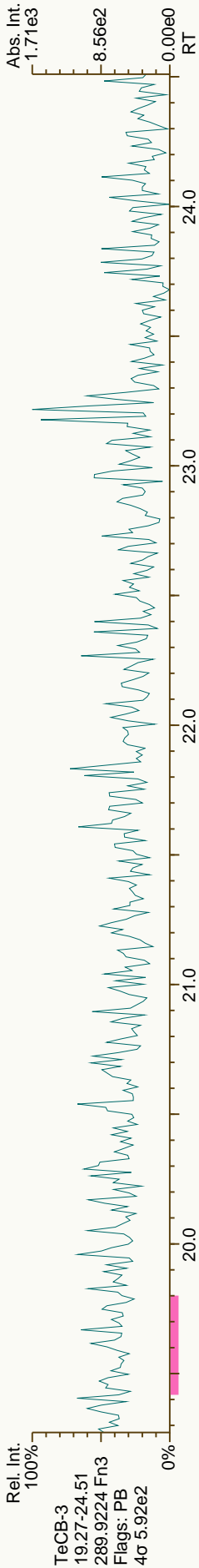


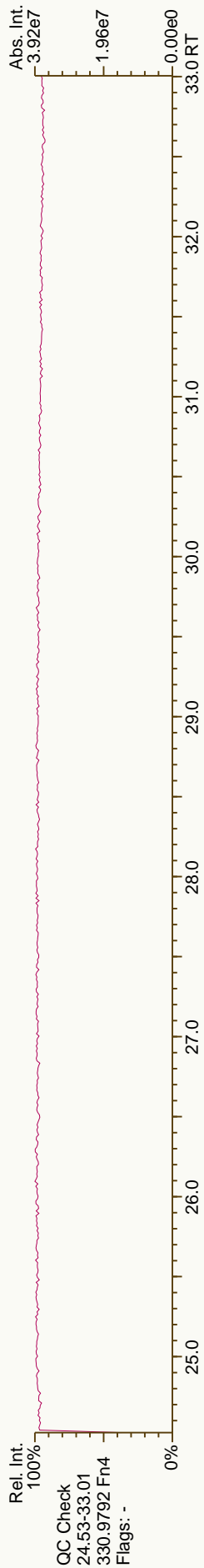
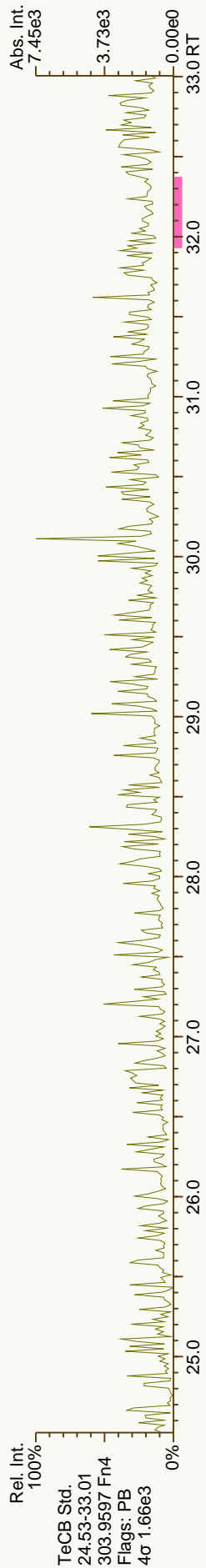
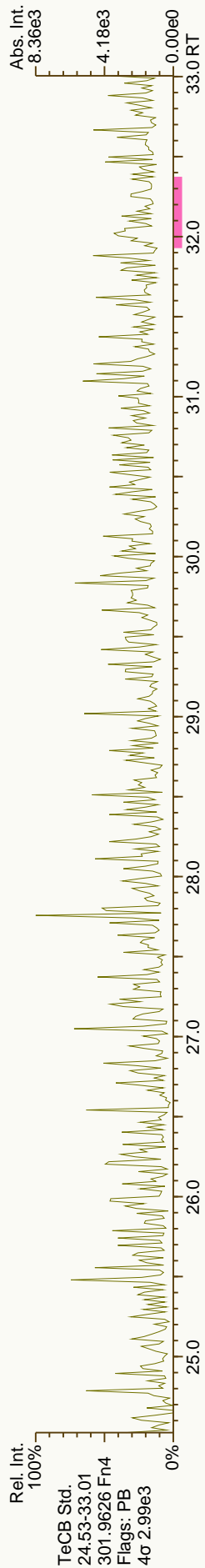
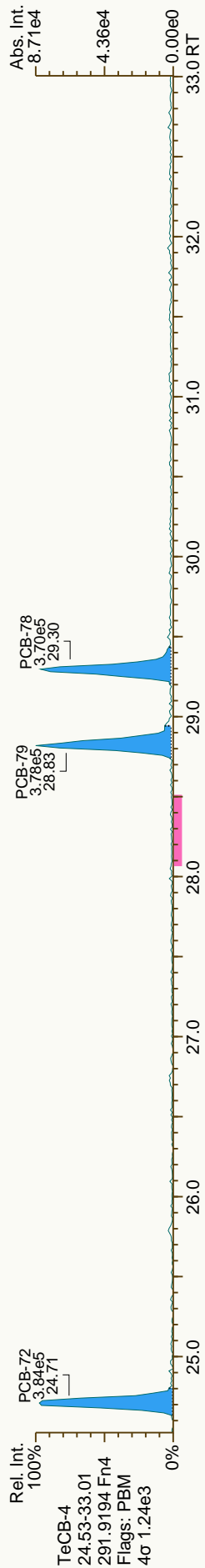
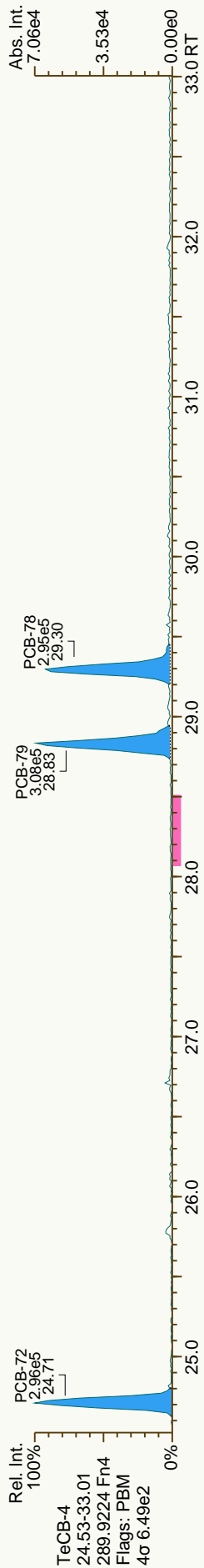


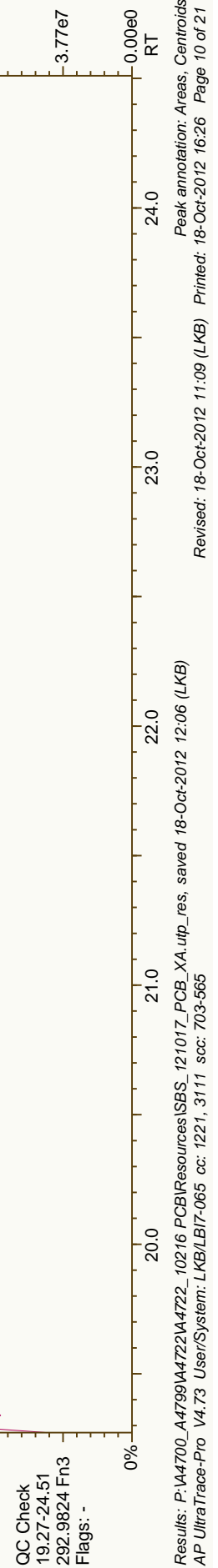
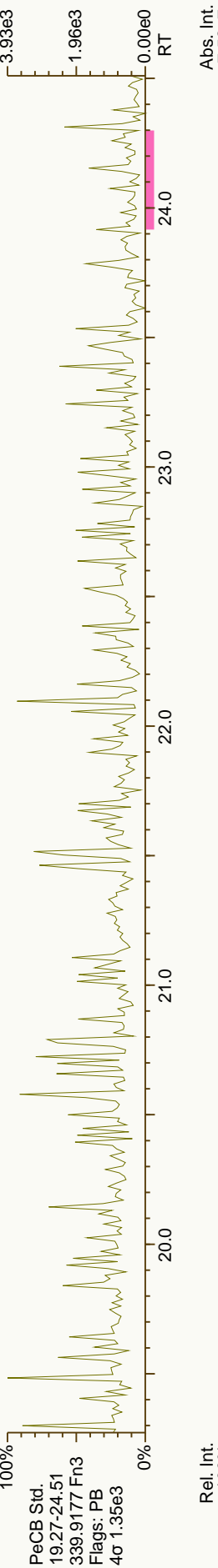
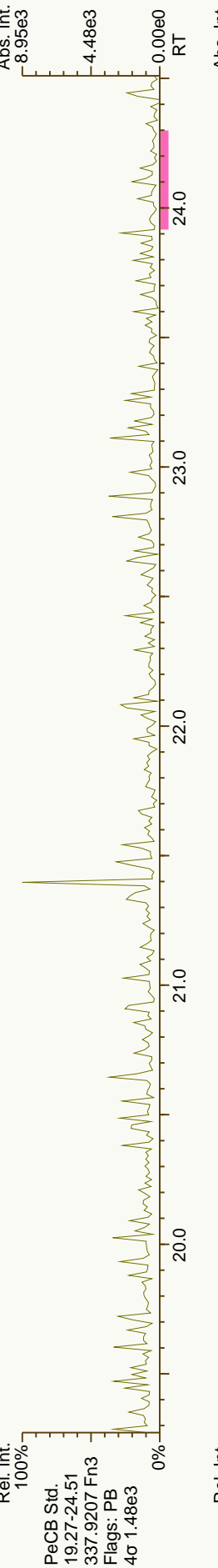
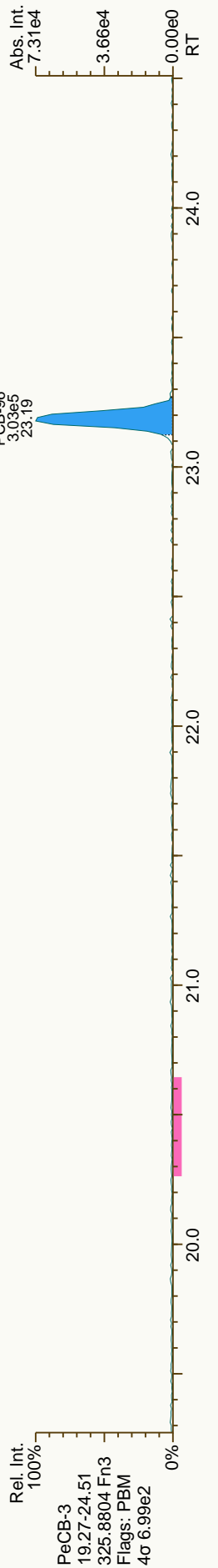
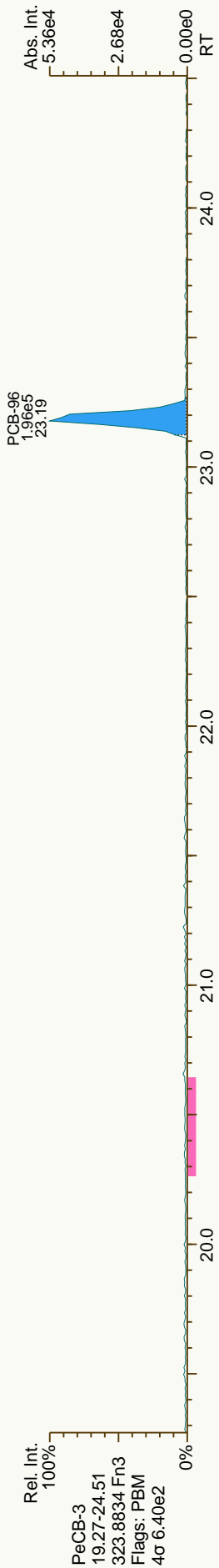


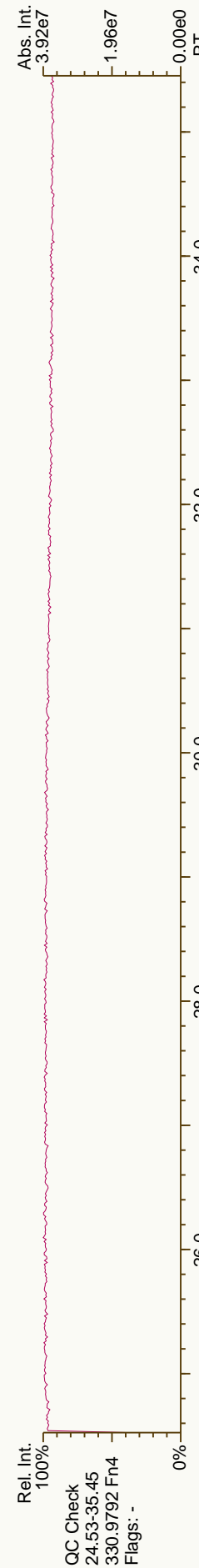
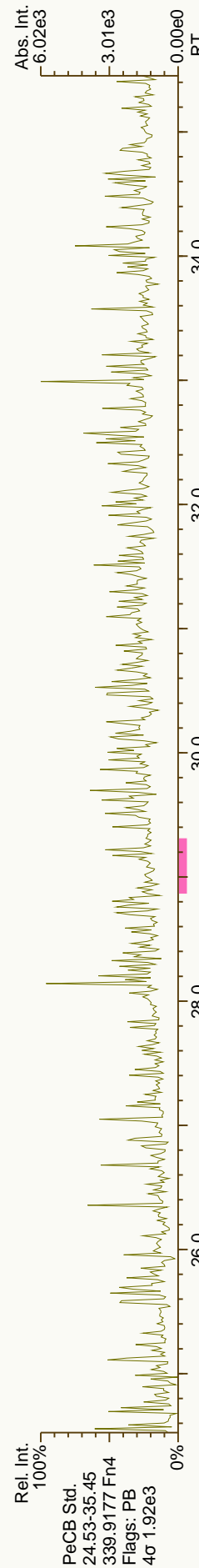
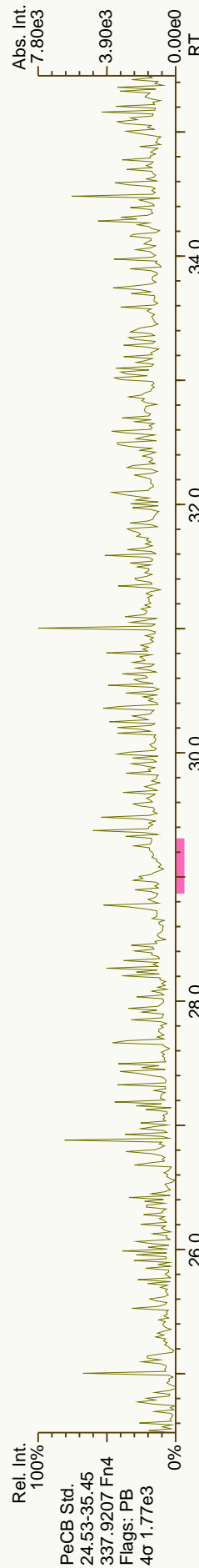
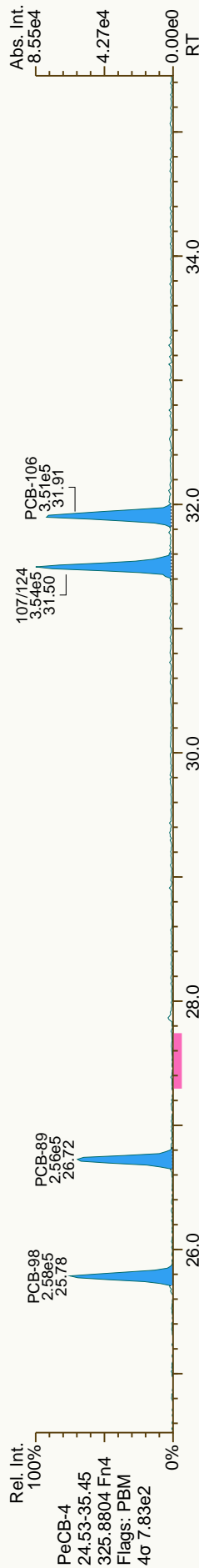
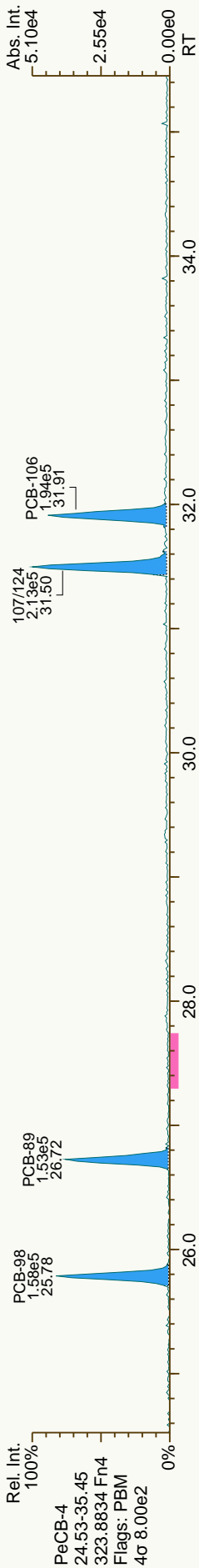


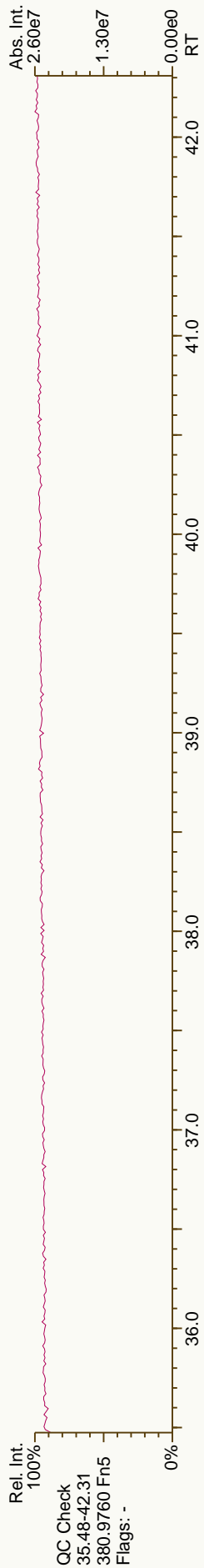
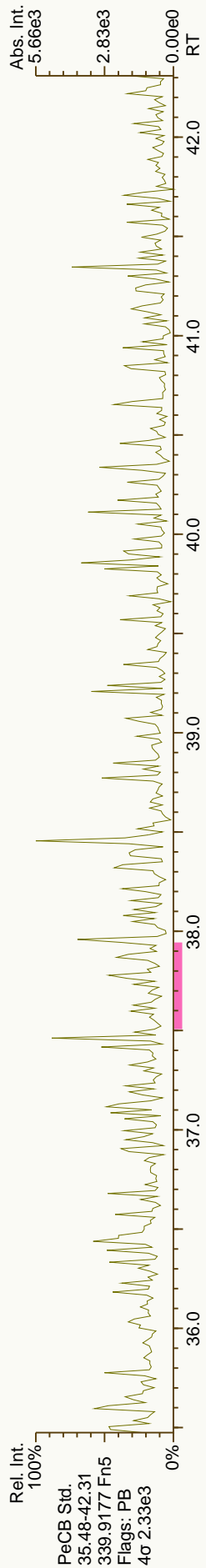
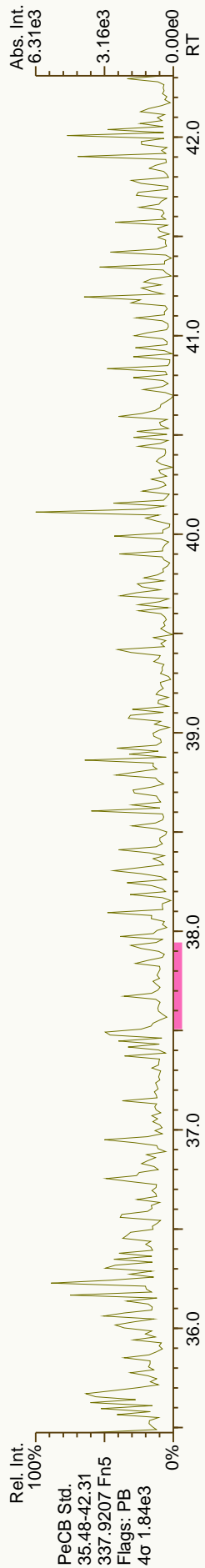
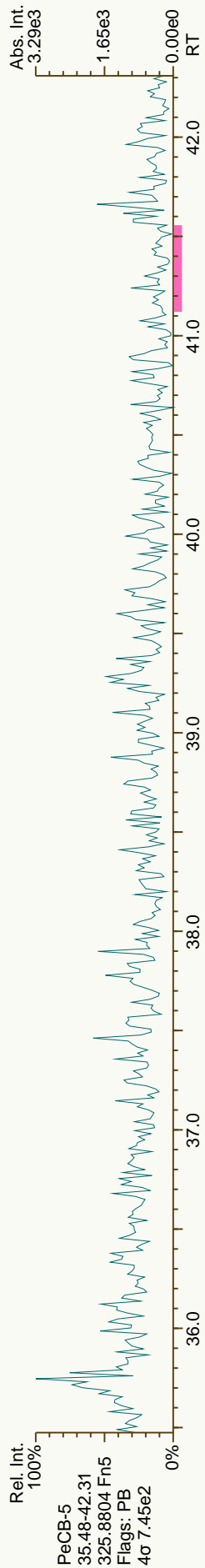
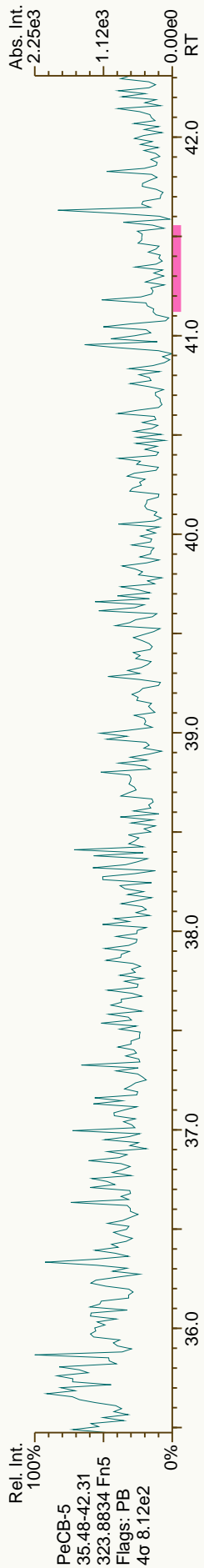


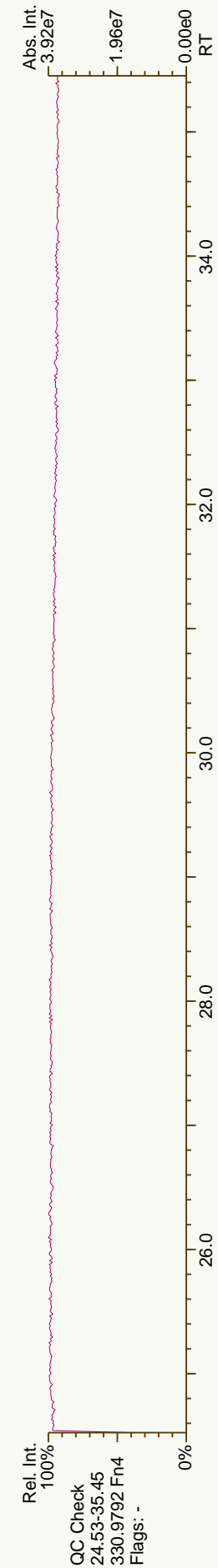
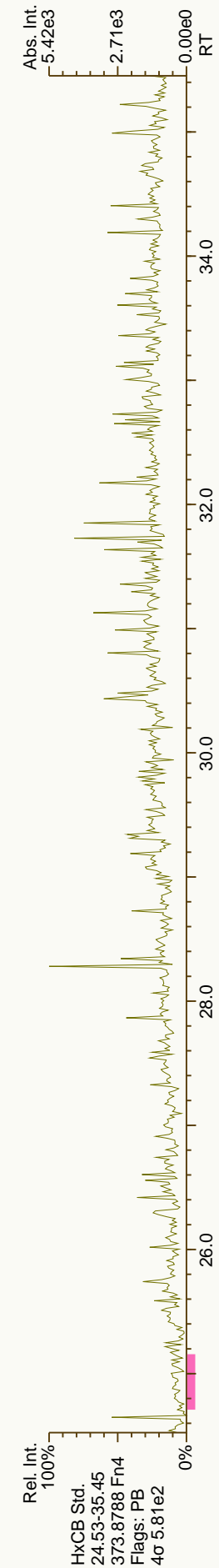
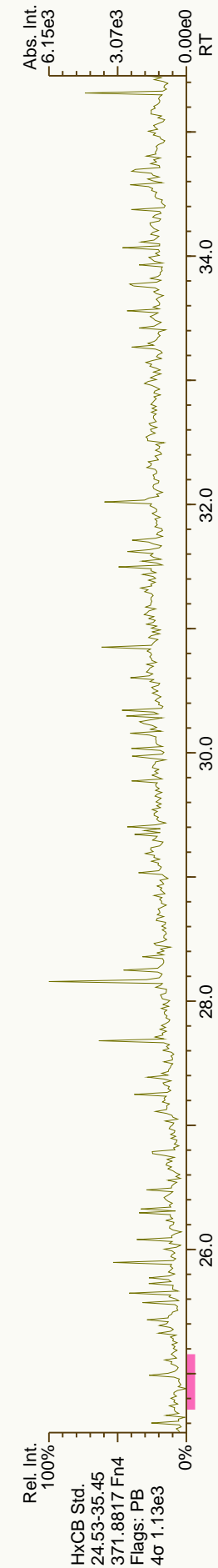
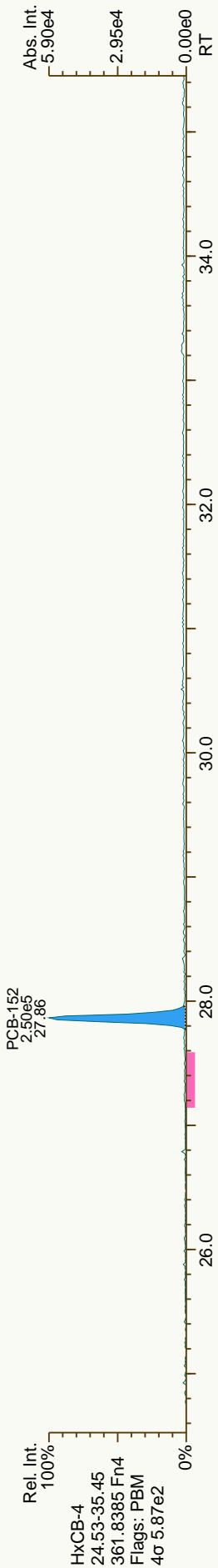
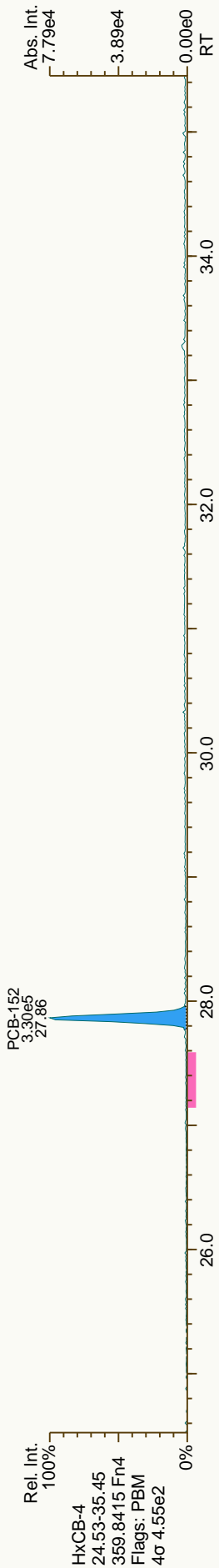


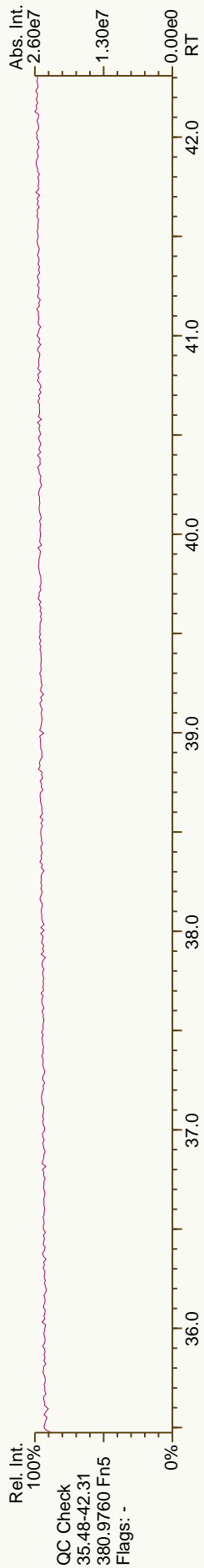
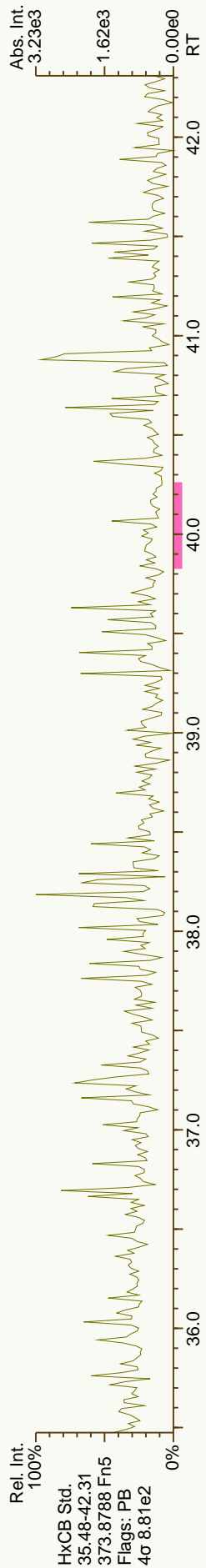
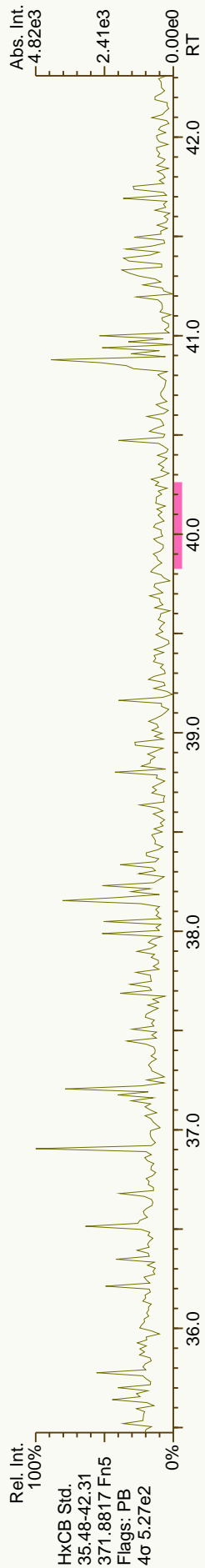
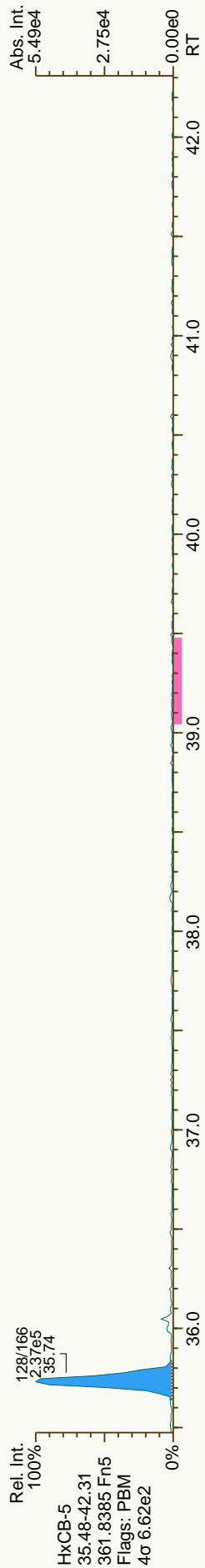
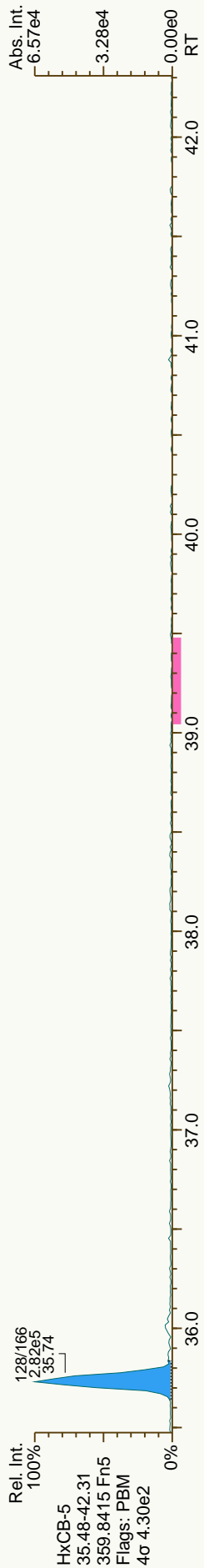


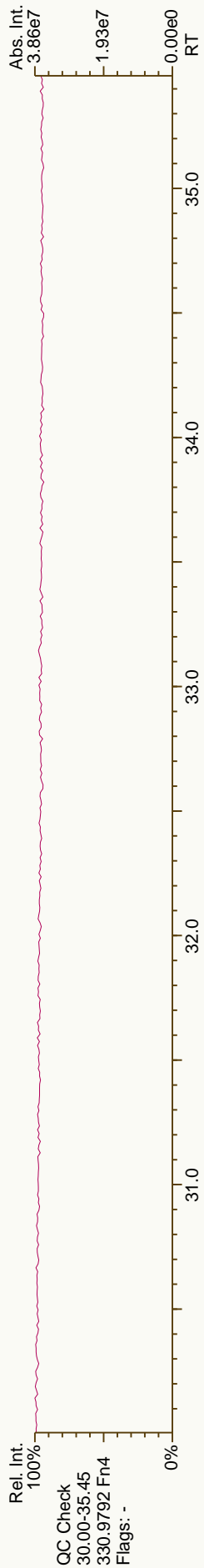
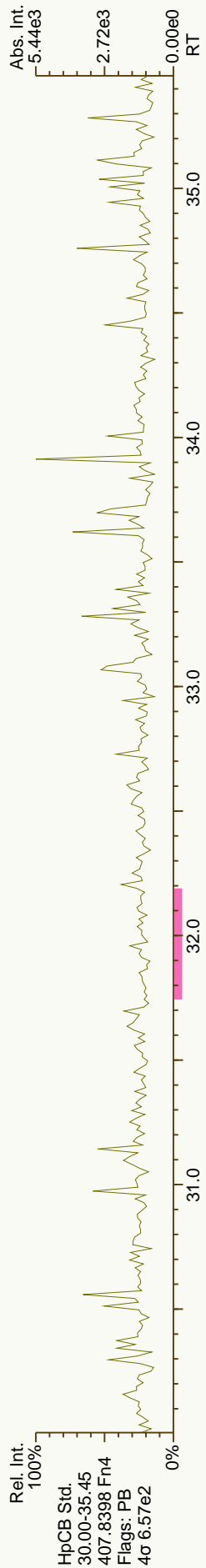
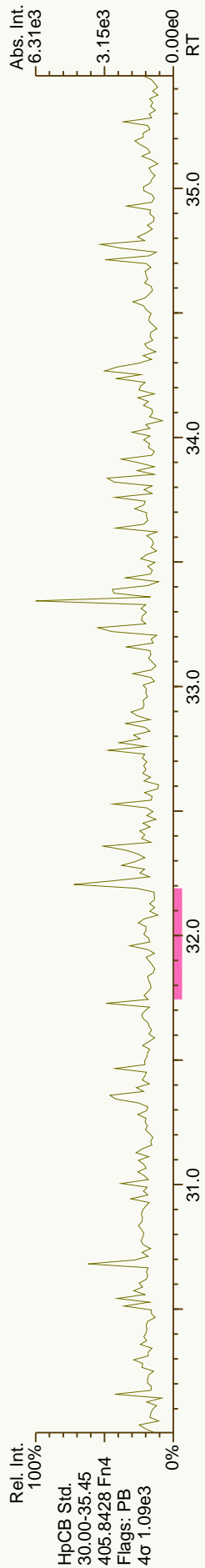
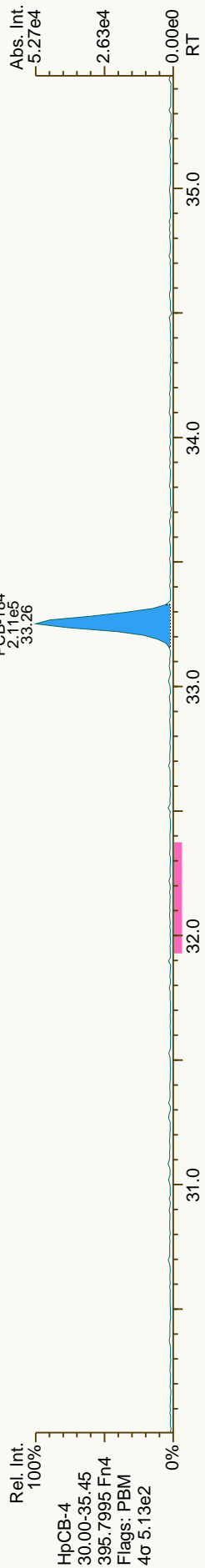
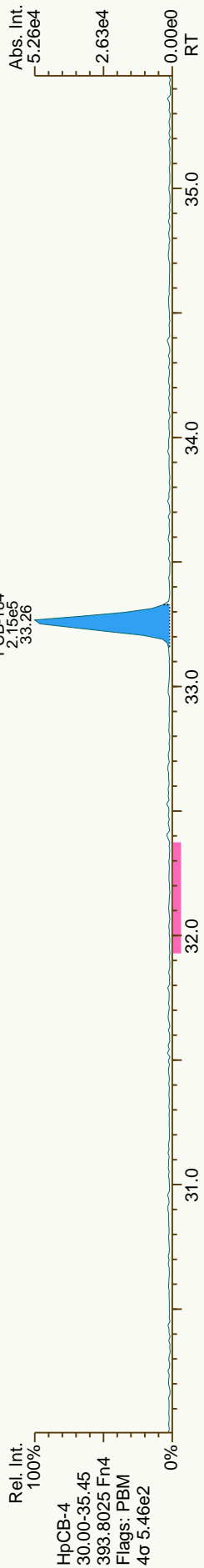


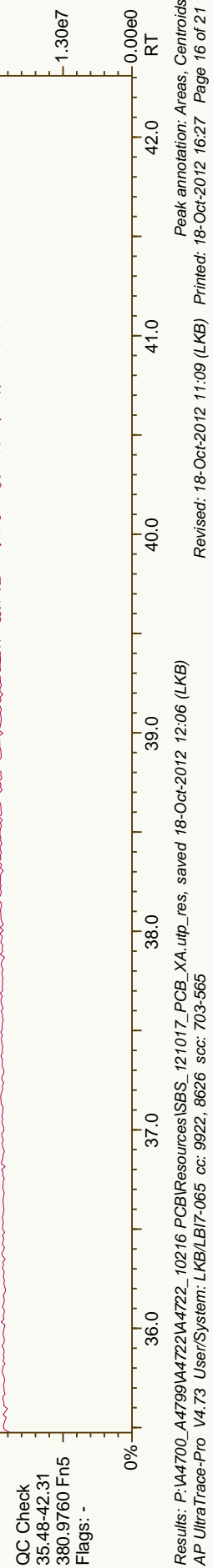
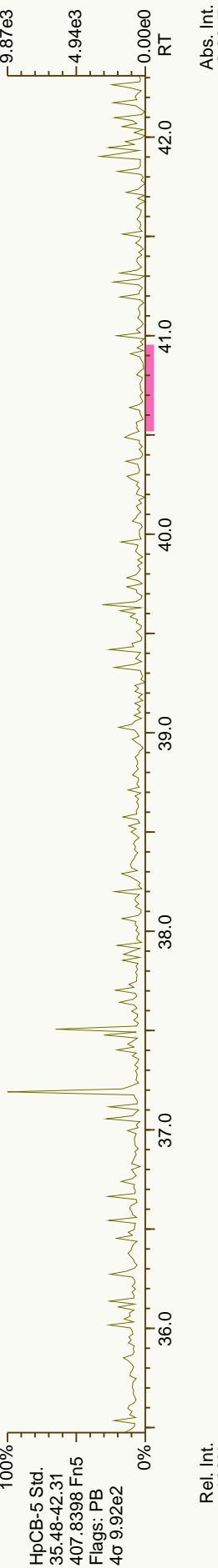
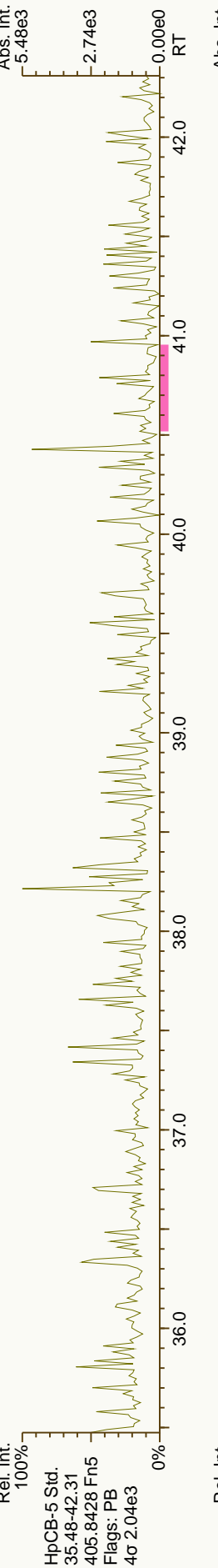
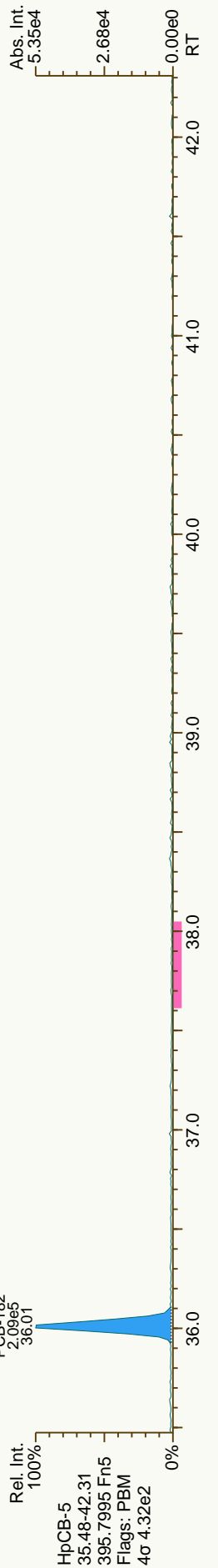


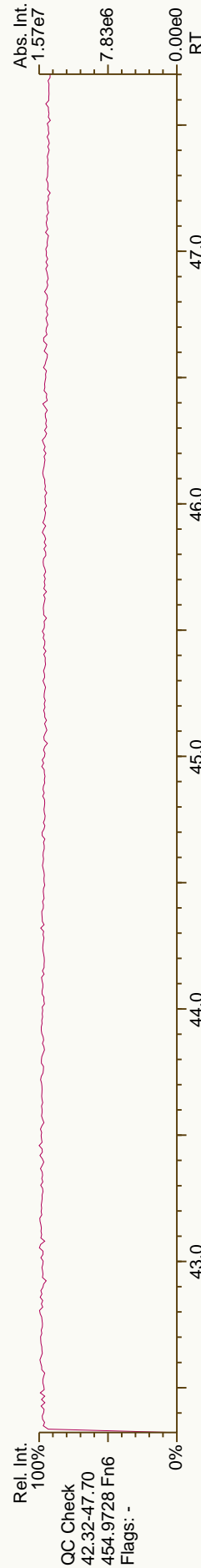
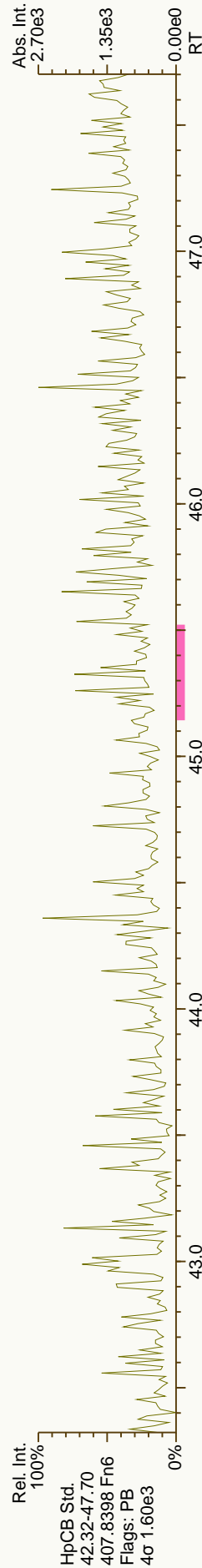
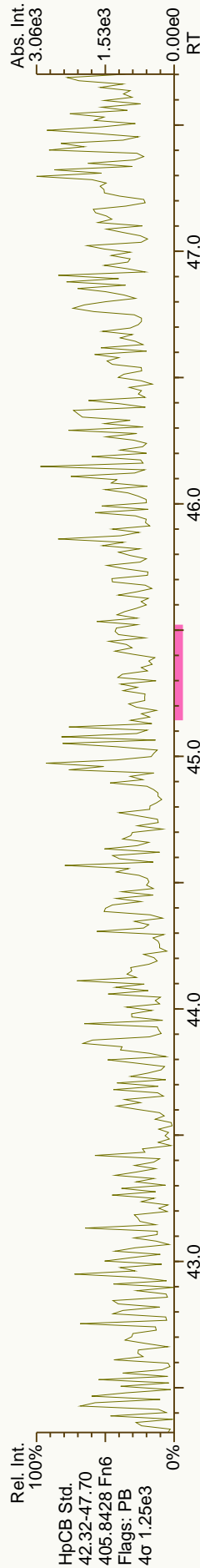
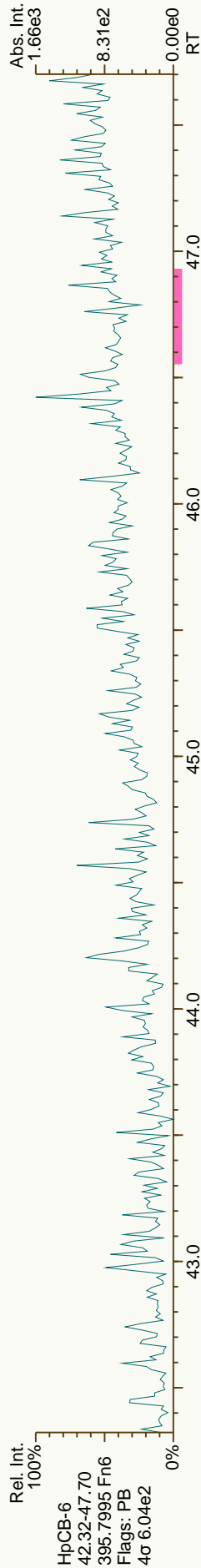
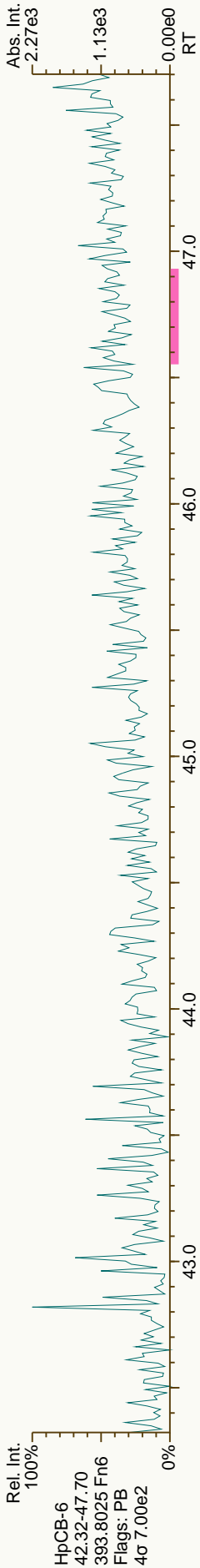


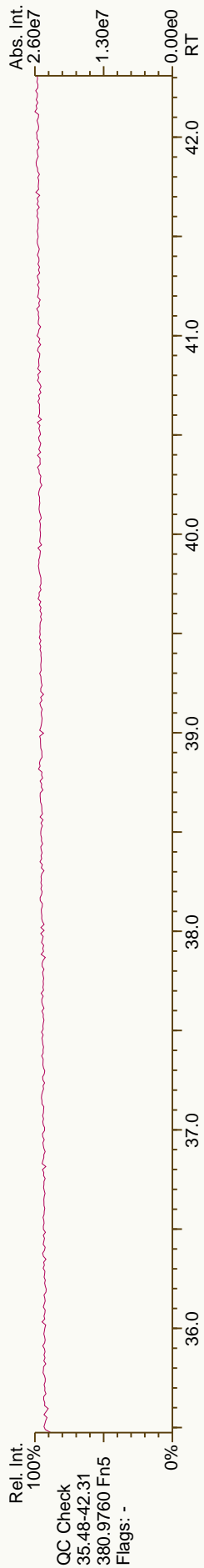
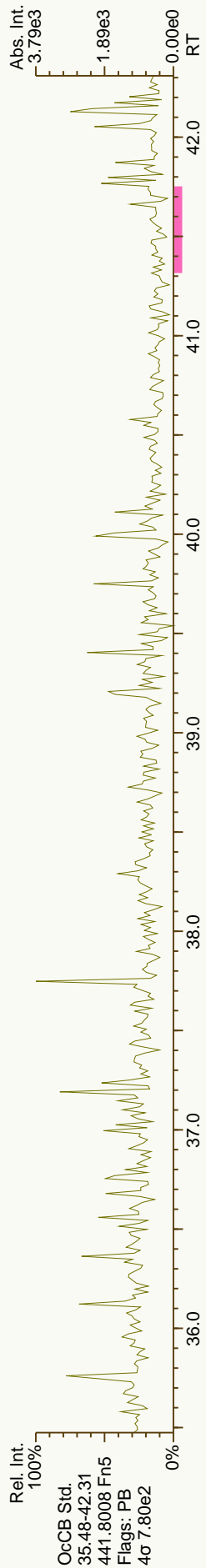
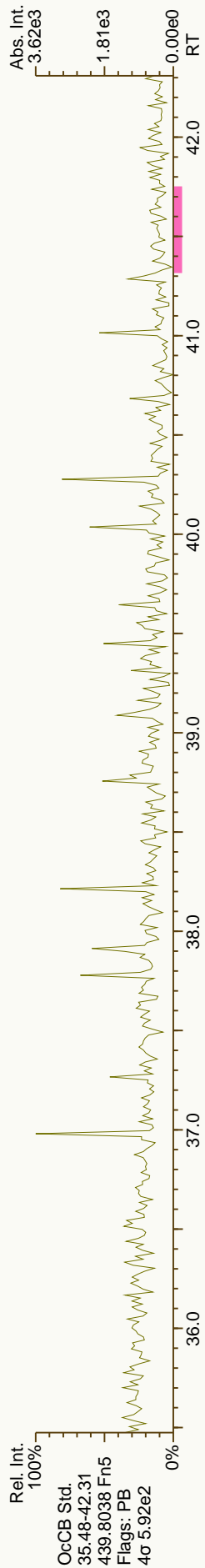
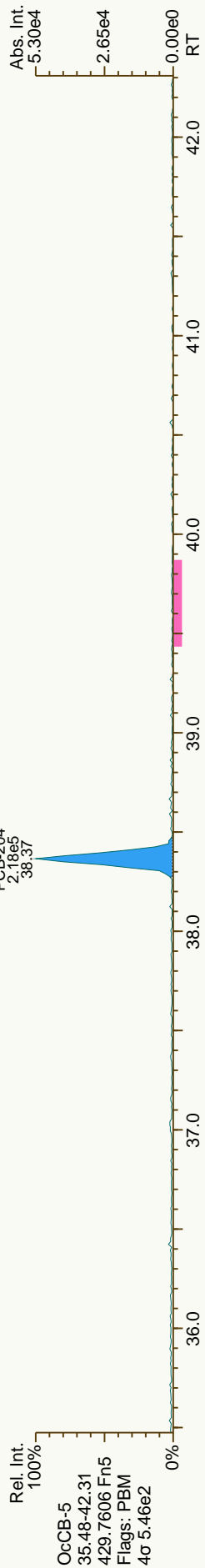
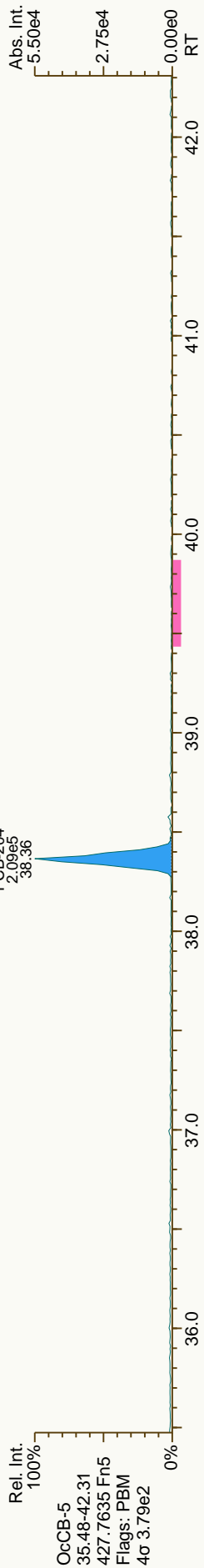


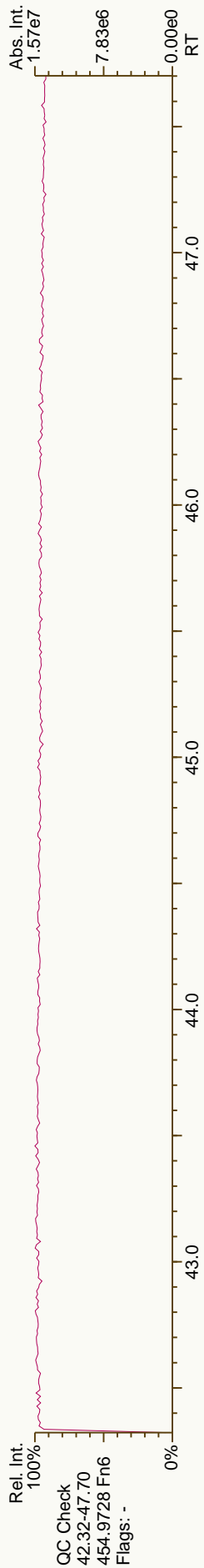
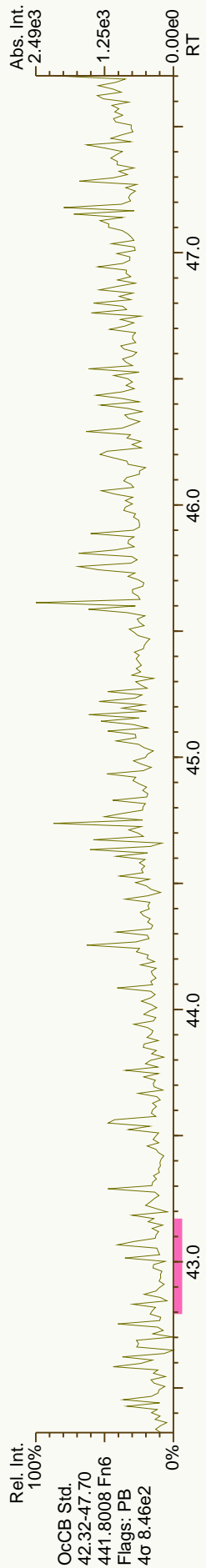
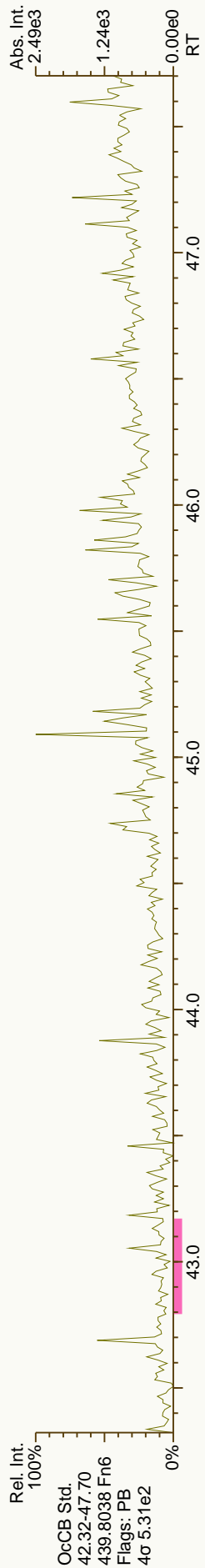
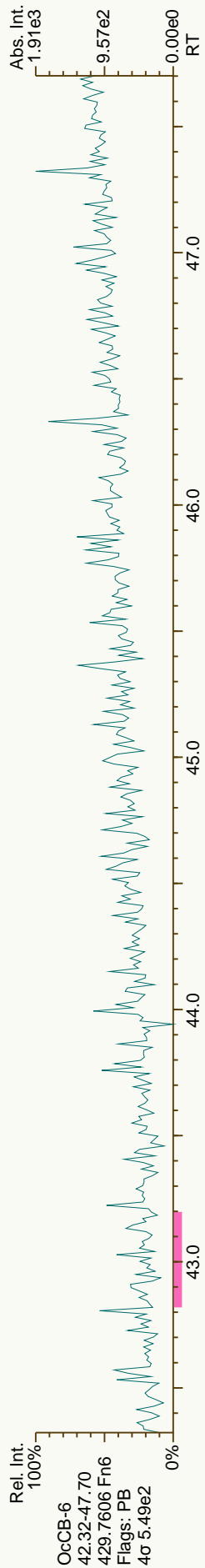
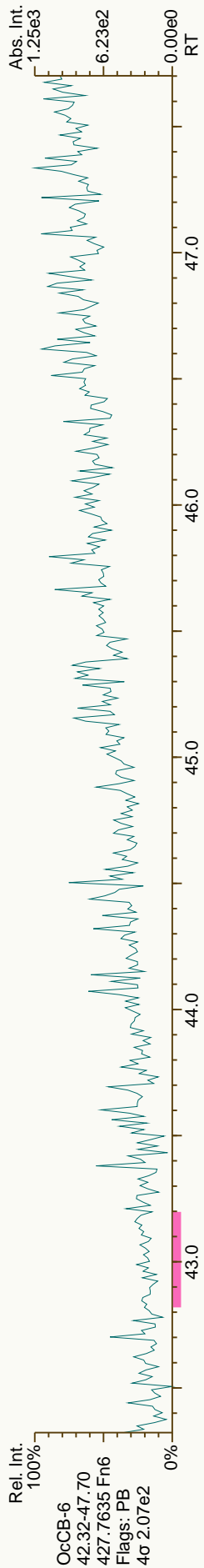


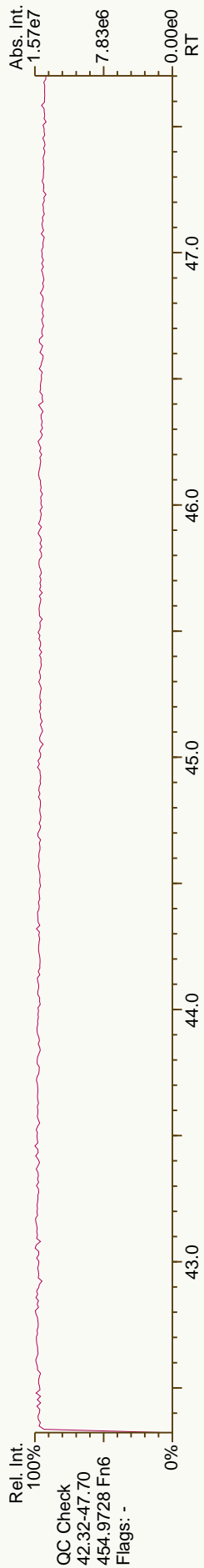
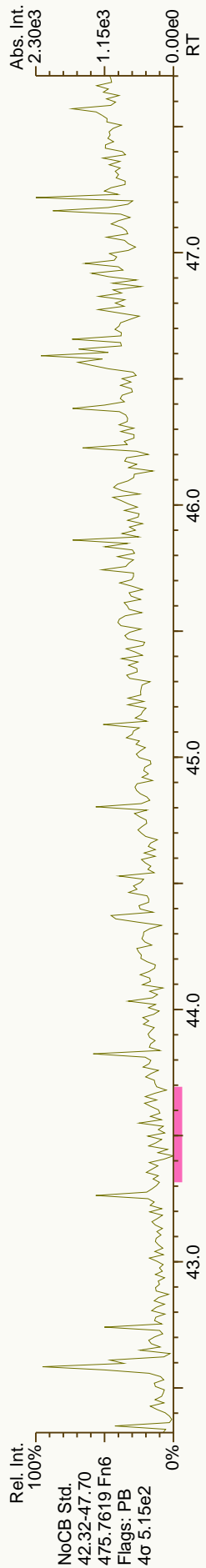
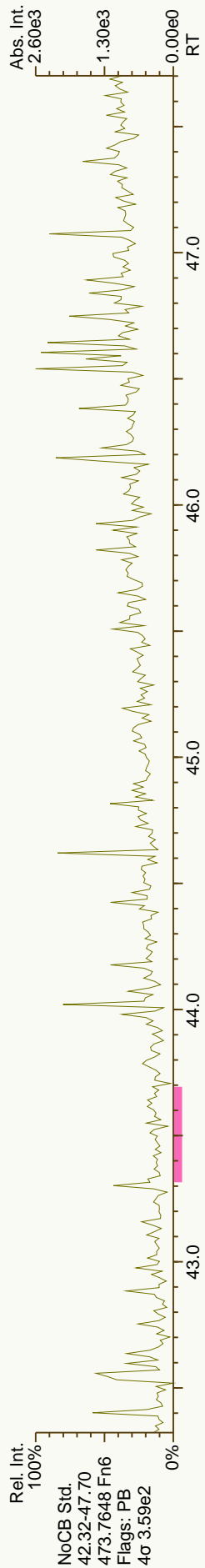
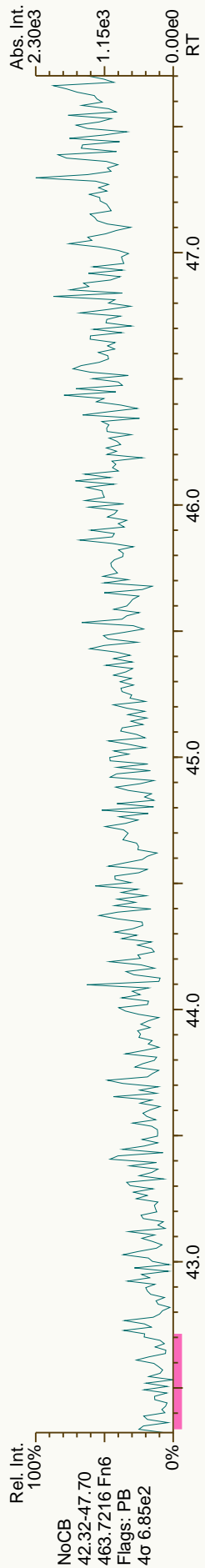
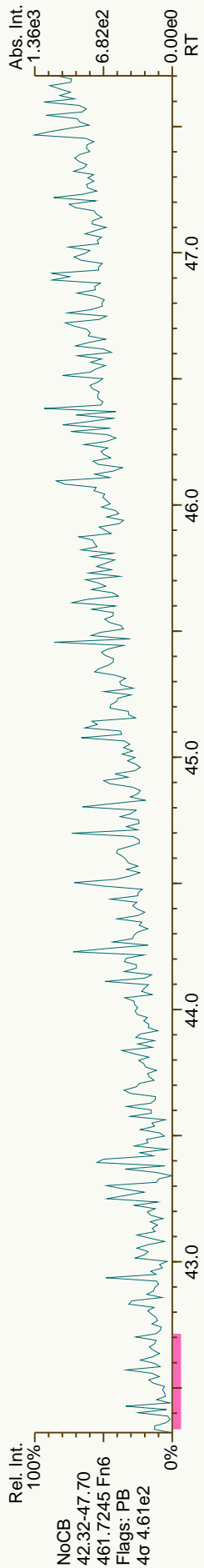


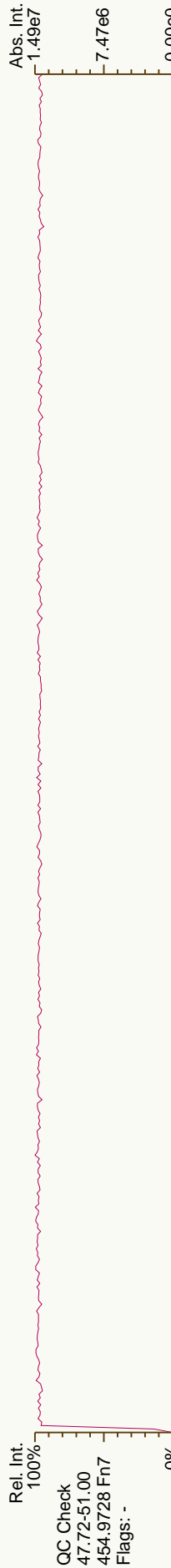
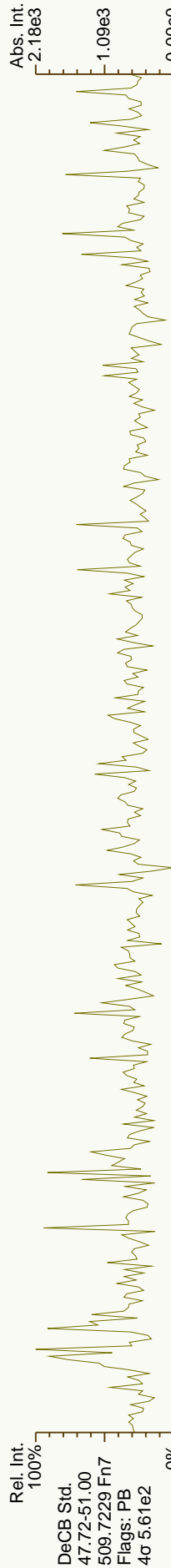
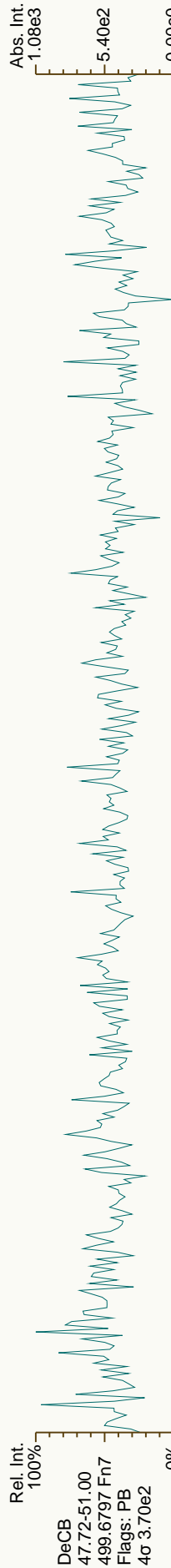
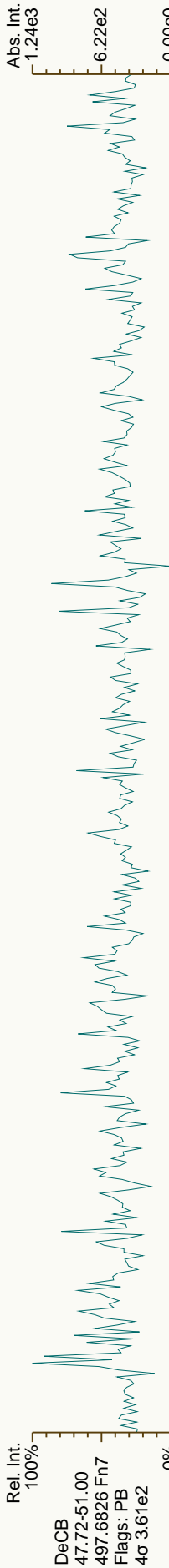










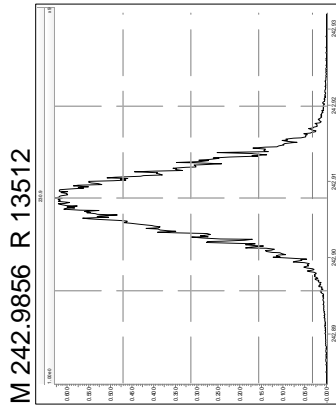
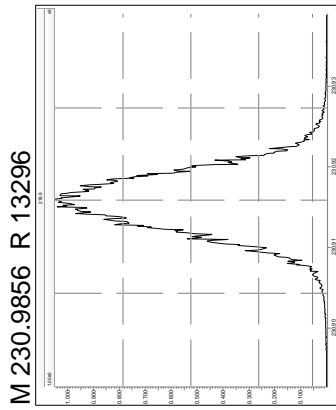
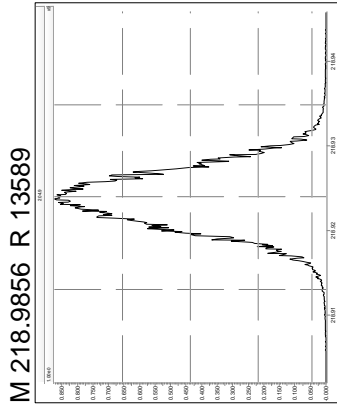
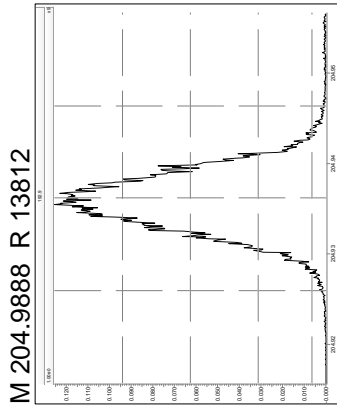
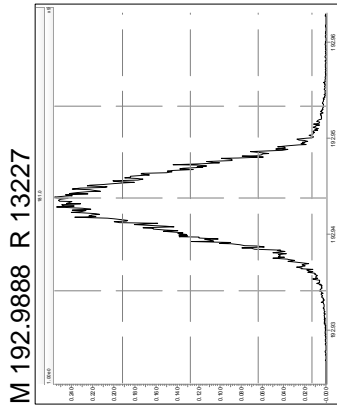
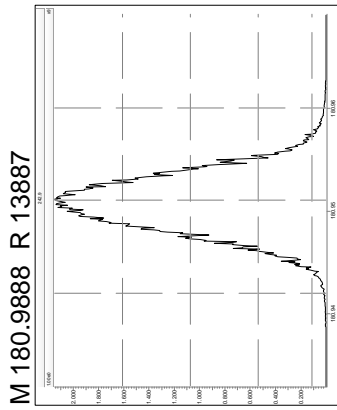


Experiment Calibration Report

MassLynx 4.1 SCN 881

File: Experiment: pcb-2012-01.exp Reference: Pfk3.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, October 17, 2012 13:03:33 Eastern Daylight Time

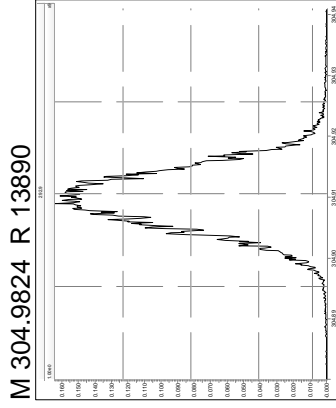
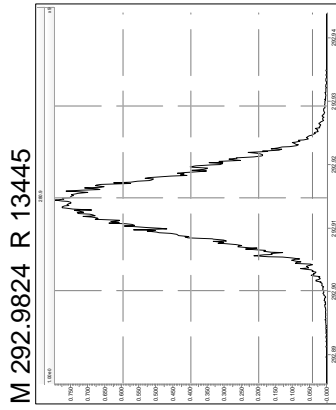
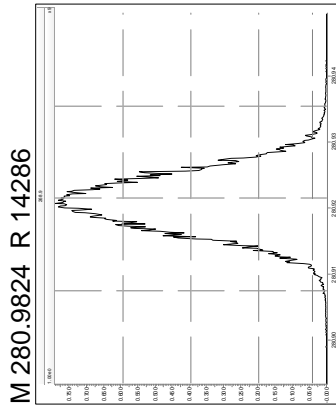
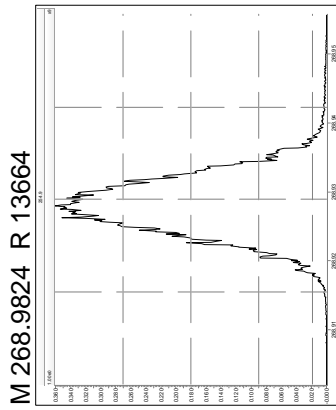
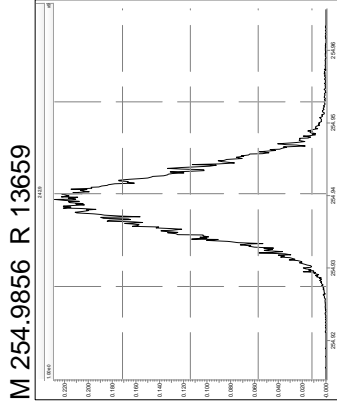
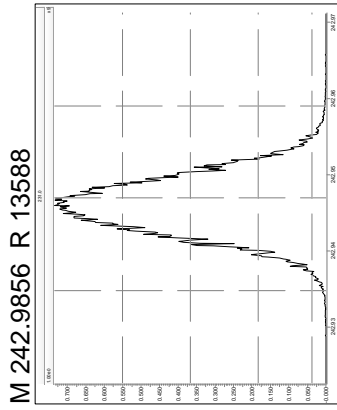
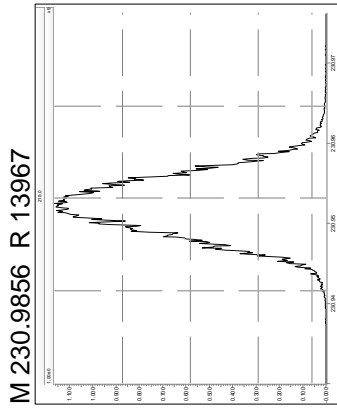
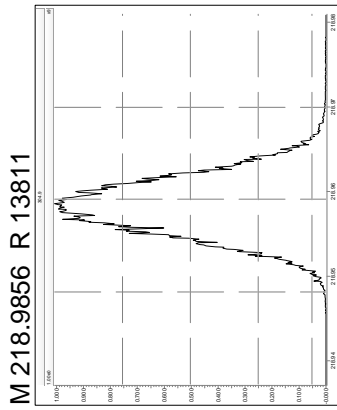


Experiment Calibration Report

MassLynx 4.1 SCN 881

File: Experiment: pcb-2012-01.exp Reference: Pfk3.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, October 17, 2012 13:03:49 Eastern Daylight Time

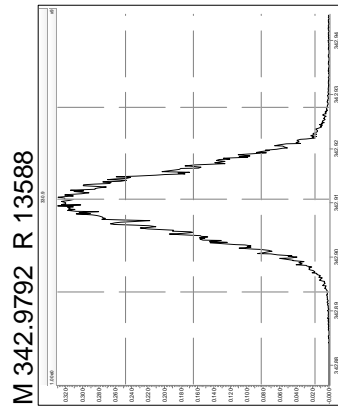
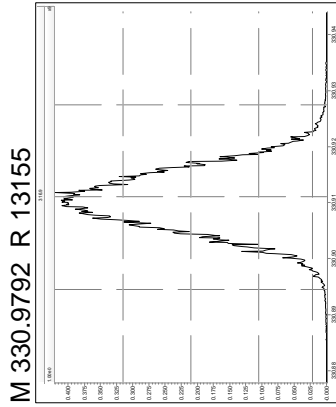
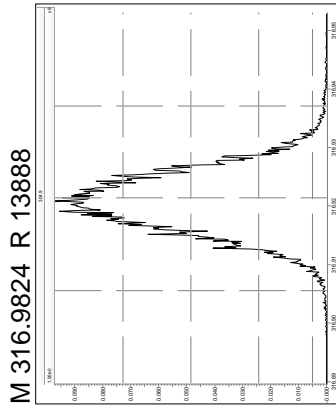
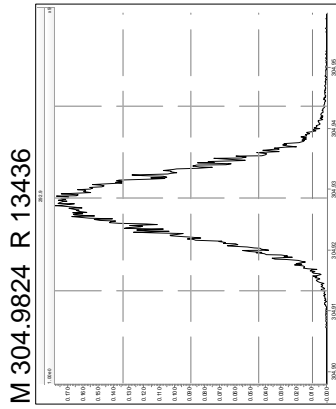
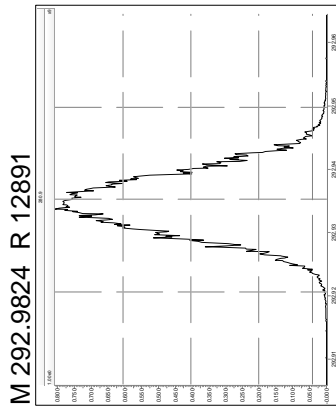
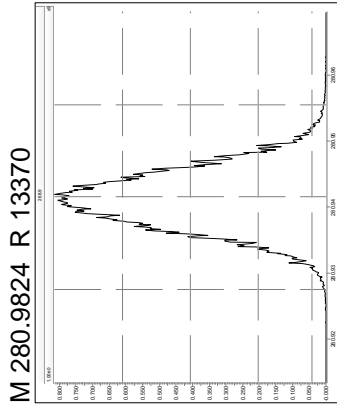
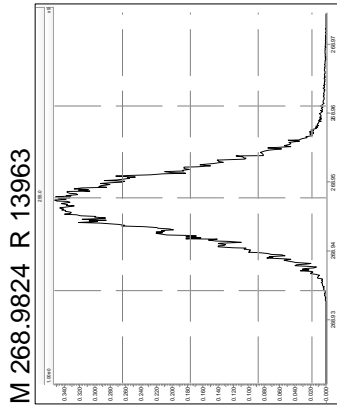
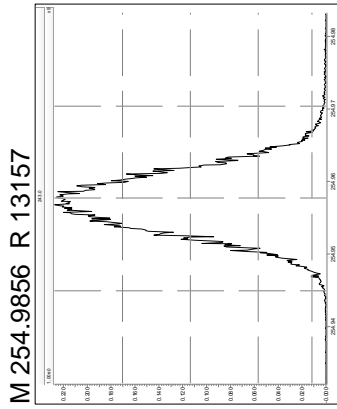
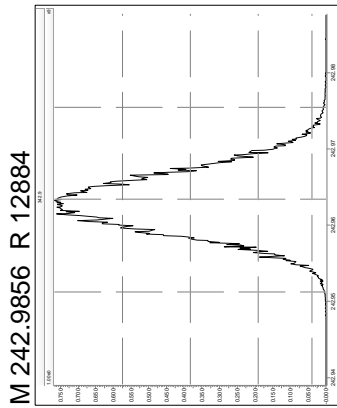


Experiment Calibration Report

MassLynx 4.1 SCN 881

File: Experiment: pcb-2012-01.exp Reference: Pfk3.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, October 17, 2012 13:04:12 Eastern Daylight Time



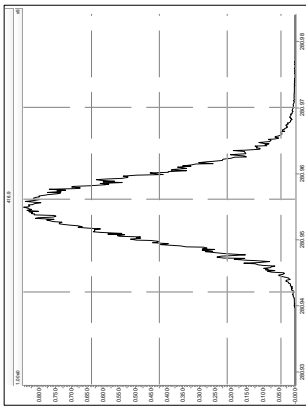
Experiment Calibration Report

MassLynx 4.1 SCN 881

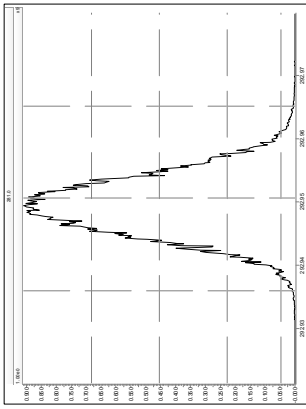
File: Experiment: pcb-2012-01.exp Reference: Pfk3.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, October 17, 2012 13:04:35 Eastern Daylight Time

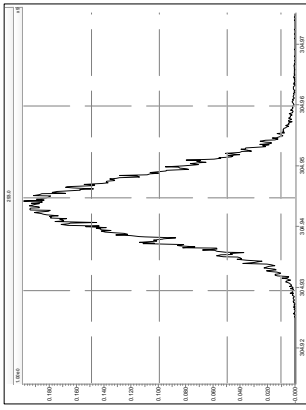
M 280.9824 R 13442



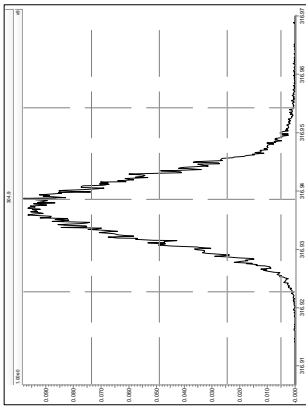
M 292.9824 R 13157



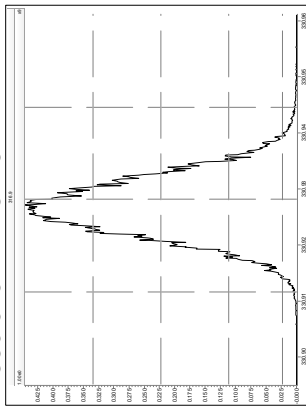
M 304.9824 R 13230



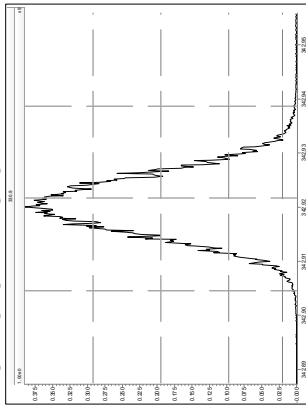
M 316.9824 R 13298



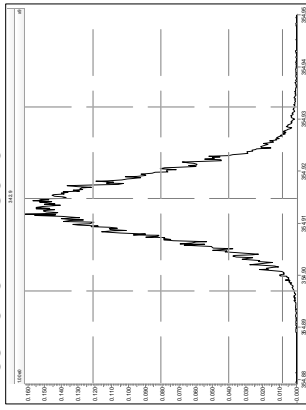
M 330.9792 R 13226



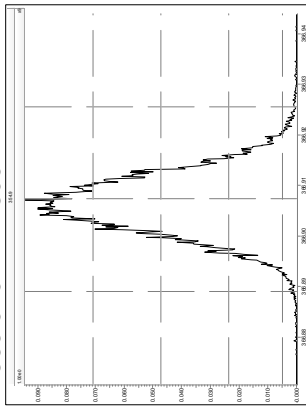
M 342.9792 R 13437



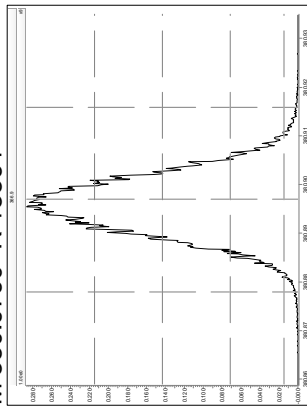
M 354.9792 R 13020



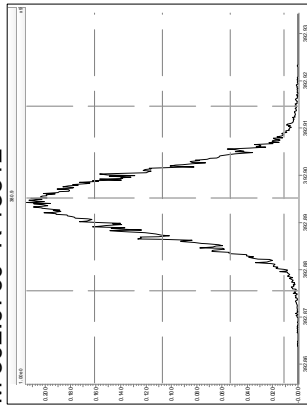
M 366.9792 R 13092



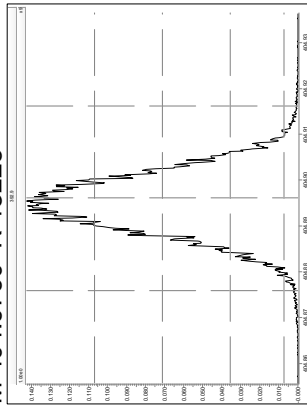
M 380.9760 R 13364



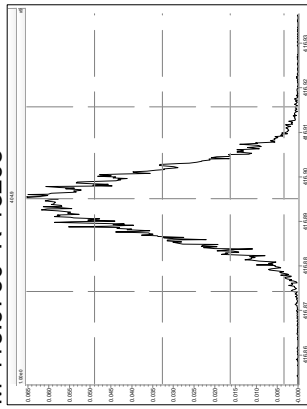
M 392.9760 R 13512



M 404.9760 R 13225



M 416.9760 R 13298

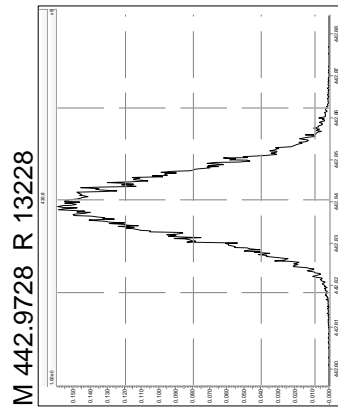
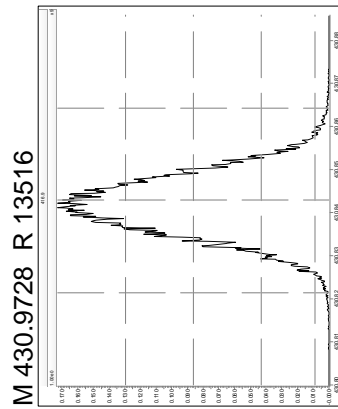
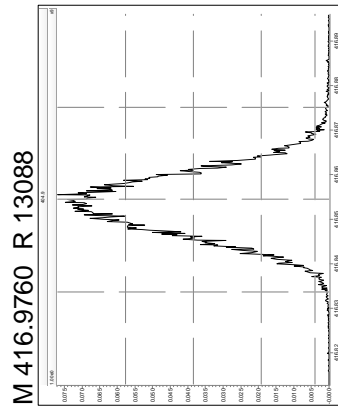
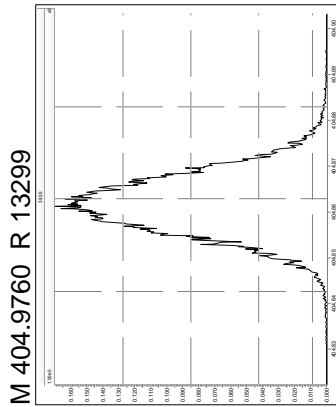
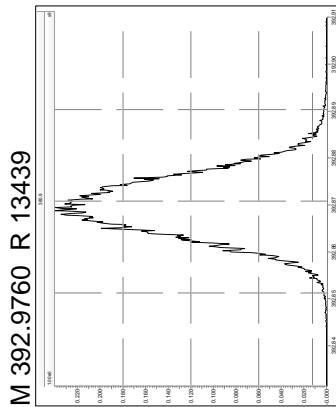
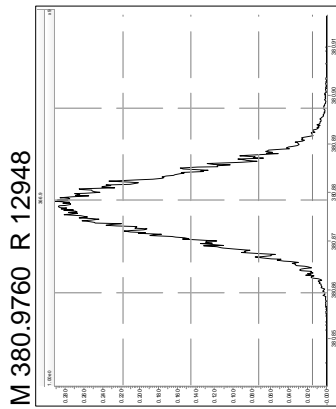
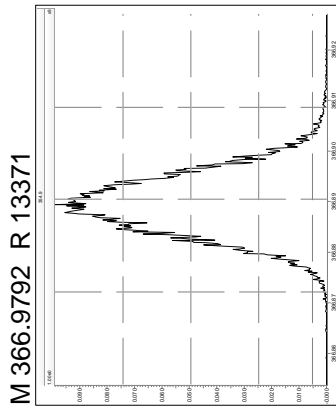
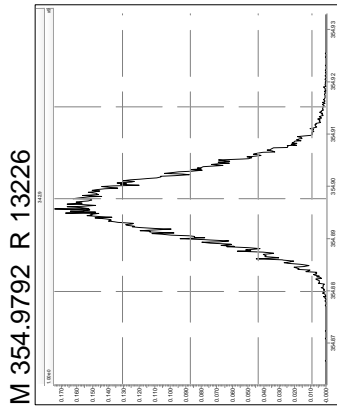
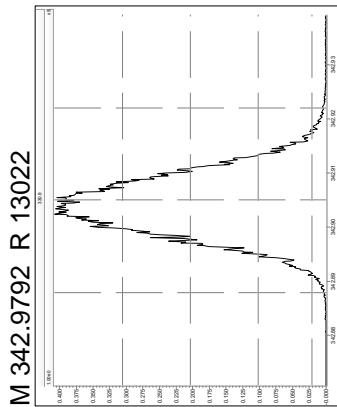
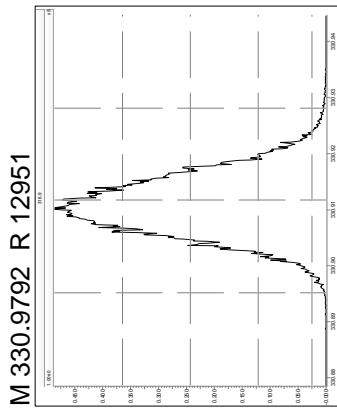
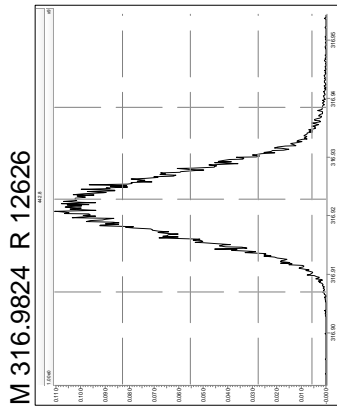


Experiment Calibration Report

MassLynx 4.1 SCN 881

File: Experiment: pcb-2012-01.exp Reference: Pfk3.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, October 17, 2012 13:05:05 Eastern Daylight Time

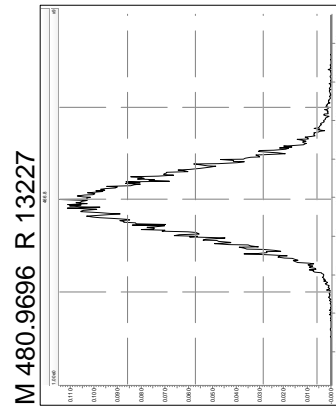
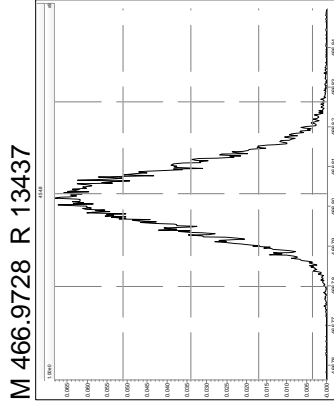
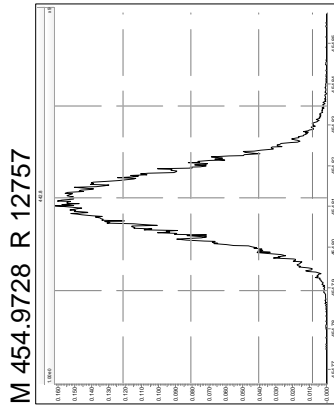
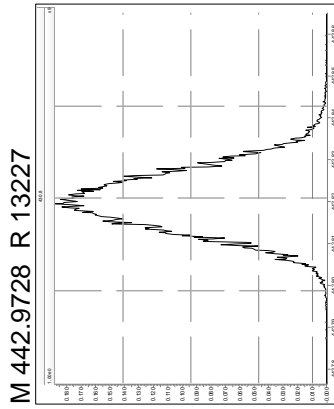
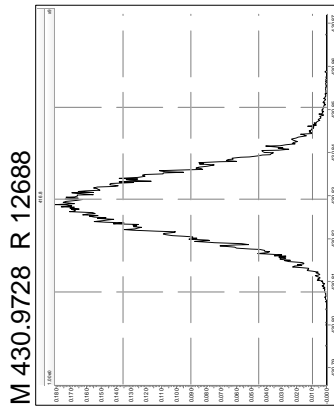
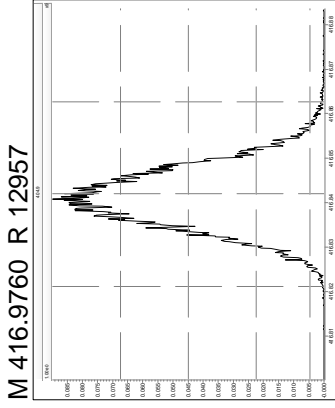
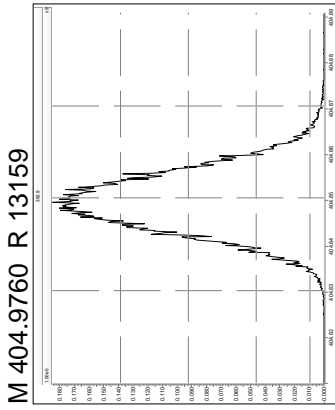
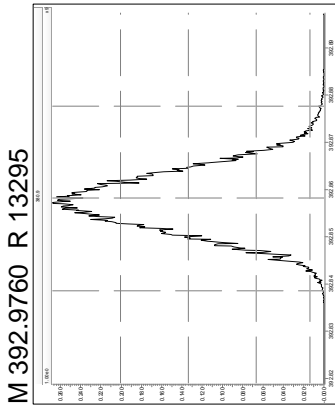
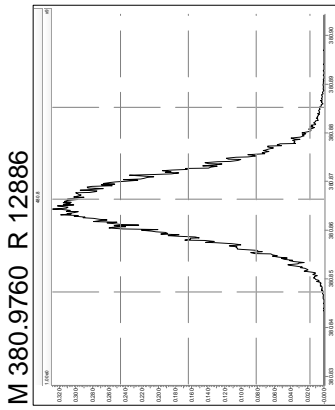


Experiment Calibration Report

MassLynx 4.1 SCN 881

File: Experiment: pcb-2012-01.exp Reference: Pfk3.ref Function: 6 @ 200 (ppm)

Printed: Wednesday, October 17, 2012 13:05:30 Eastern Daylight Time



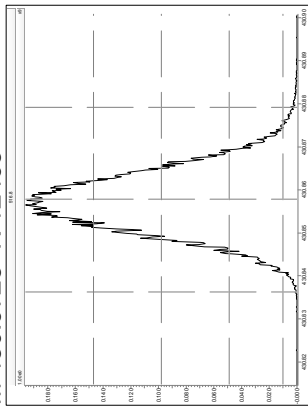
Experiment Calibration Report

MassLynx 4.1 SCN 881

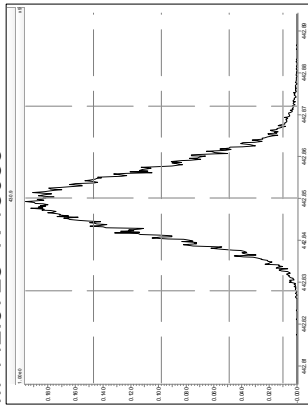
File: Experiment: pcb-2012-01.exp Reference: Pfk3.ref Function: 7 @ 200 (ppm)

Printed: Wednesday, October 17, 2012 13:05:51 Eastern Daylight Time

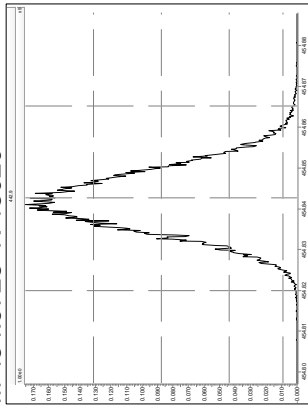
M 430.9728 R 12498



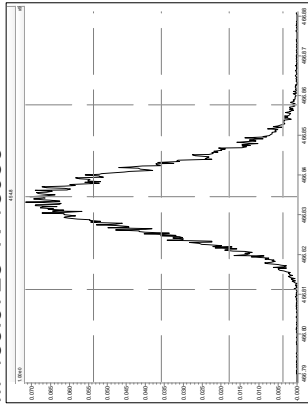
M 442.9728 R 13085



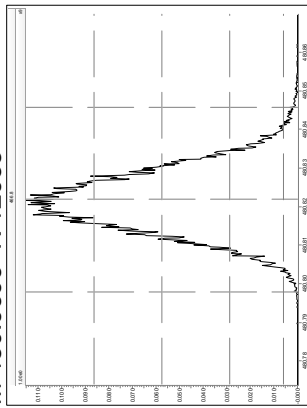
M 454.9728 R 13020



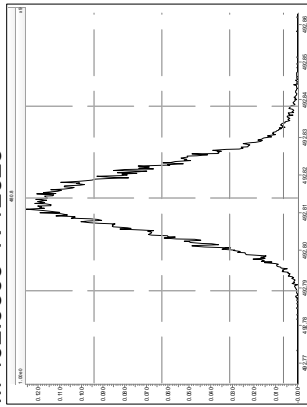
M 466.9728 R 13086



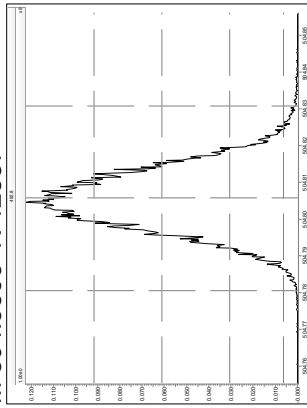
M 480.9696 R 12953



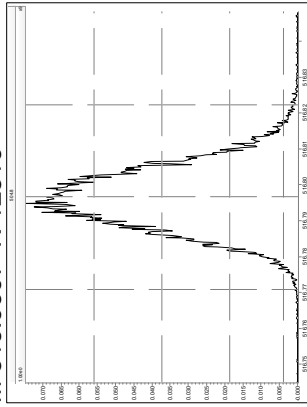
M 492.9696 R 12625



M 504.9696 R 12887

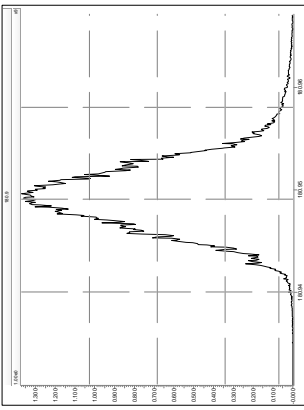


M 516.9697 R 12816

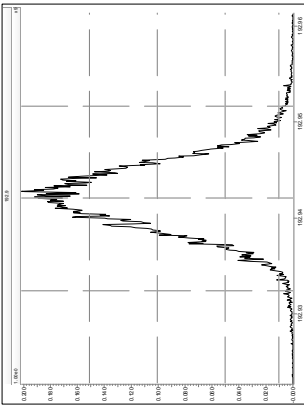


Printed: Wednesday, October 17, 2012 20:38:36 Eastern Daylight Time

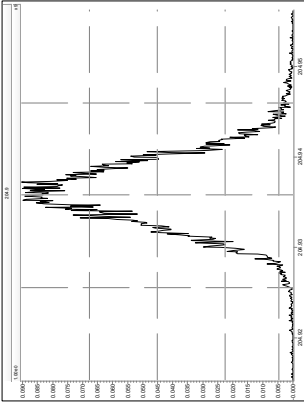
M 180.9888 R 11416



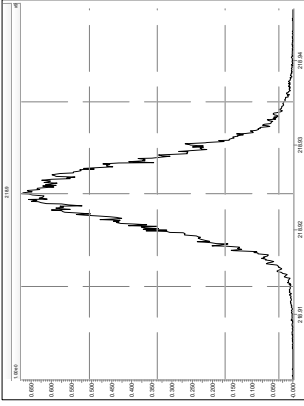
M 192.9888 R 11709



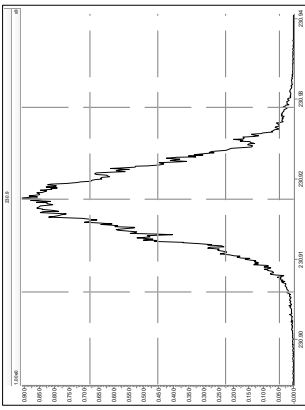
M 204.9888 R 12297



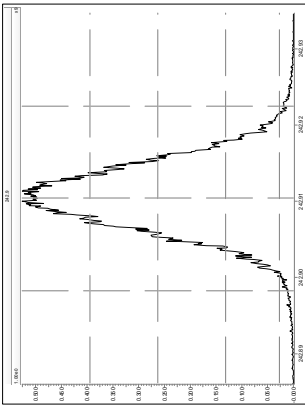
M 218.9856 R 11876



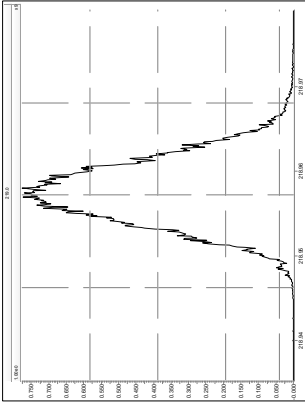
M 230.9856 R 11879



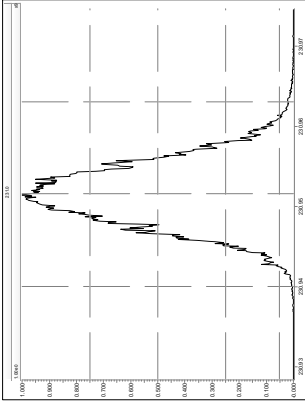
M 242.9856 R 11739



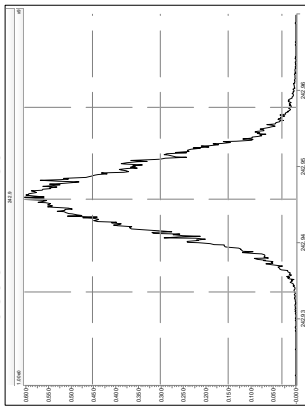
M 218.9856 R 12787



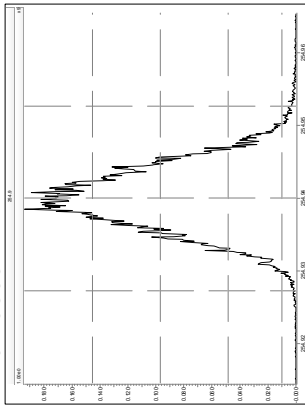
M 230.9856 R 12628



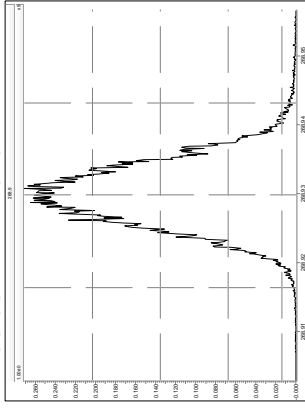
M 242.9856 R 12469



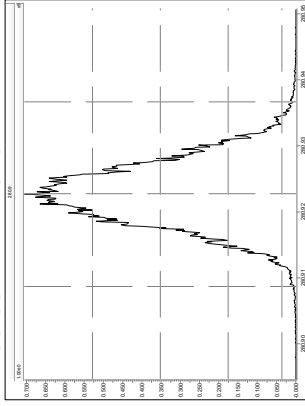
M 254.9856 R 12724



M 268.9824 R 12919

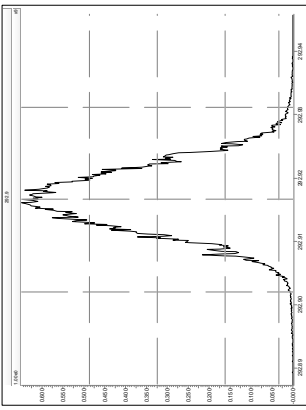


M 280.9824 R 12570

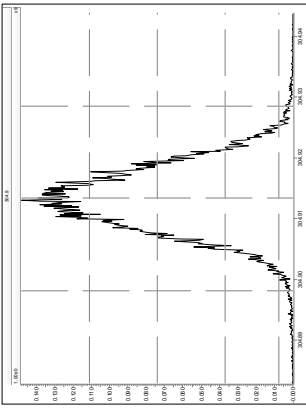


Printed: Wednesday, October 17, 2012 20:38:36 Eastern Daylight Time

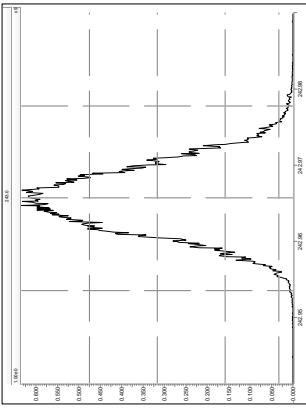
M 292.9824 R 12481



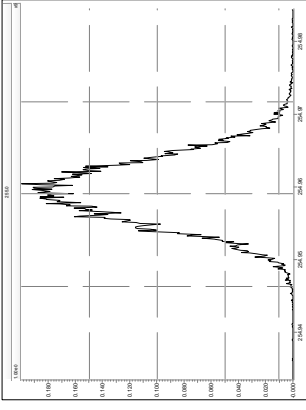
M 304.9824 R 12594



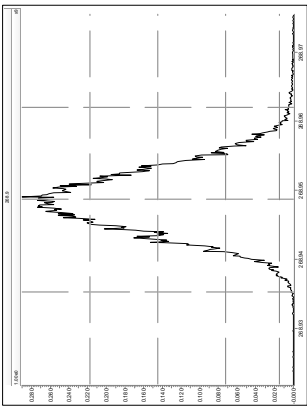
M 242.9856 R 12257



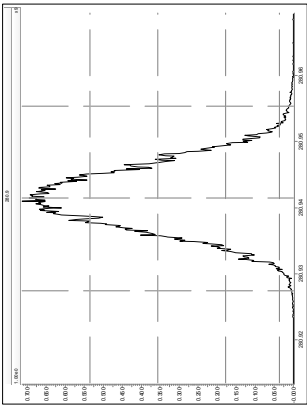
M 254.9856 R 12531



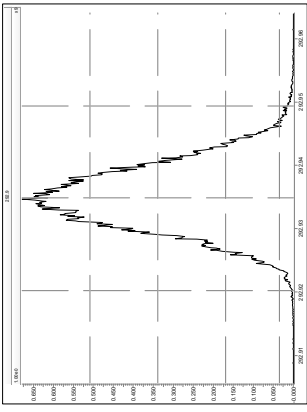
M 268.9824 R 12285



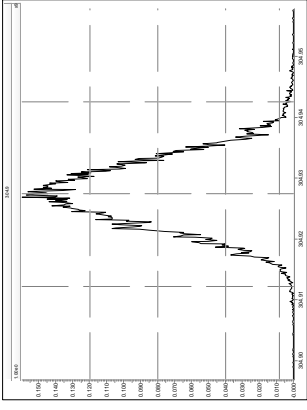
M 280.9824 R 12886



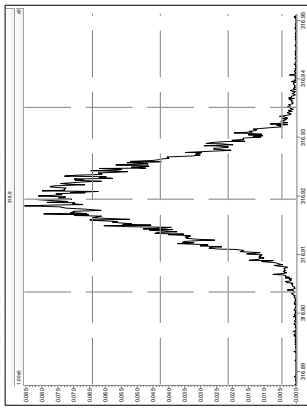
M 292.9824 R 12600



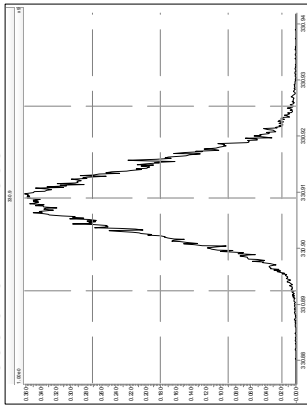
M 304.9824 R 12261



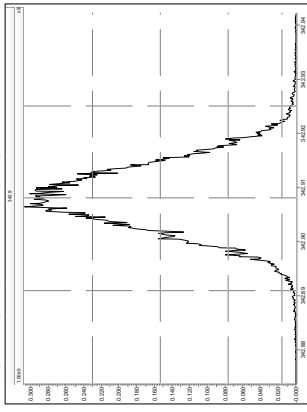
M 316.9824 R 12825



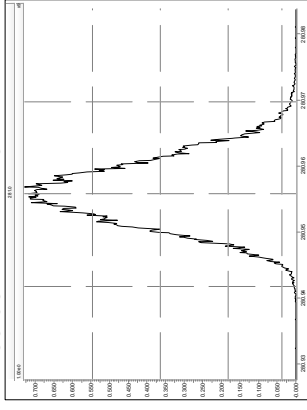
M 330.9792 R 12383



M 342.9792 R 12019

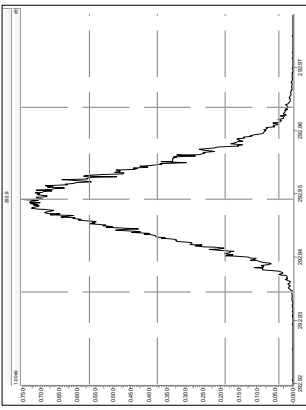


M 280.9824 R 12140

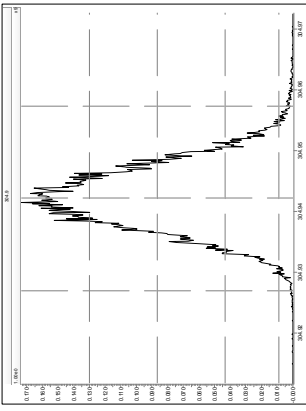


Printed: Wednesday, October 17, 2012 20:38:36 Eastern Daylight Time

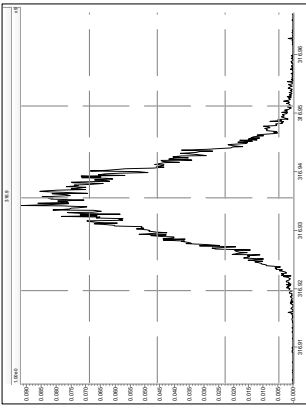
M 292.9824 R 12197



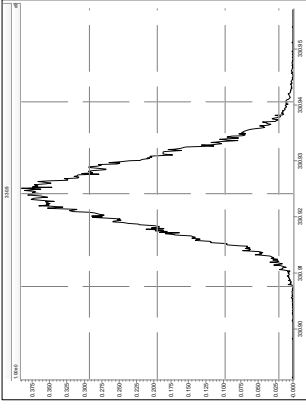
M 304.9824 R 12293



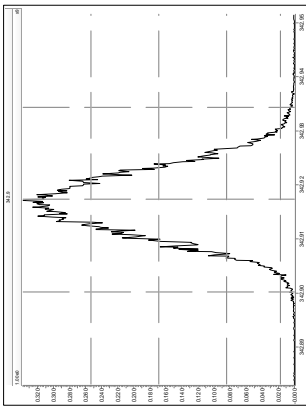
M 316.9824 R 12690



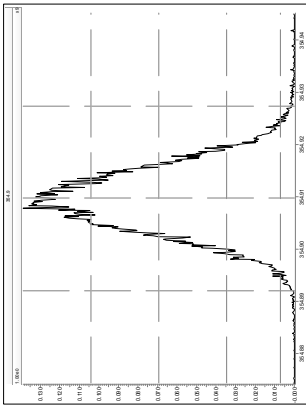
M 330.9792 R 12626



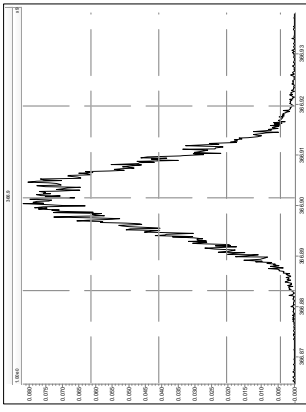
M 342.9792 R 12472



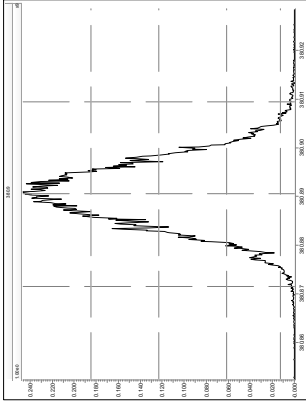
M 354.9792 R 12197



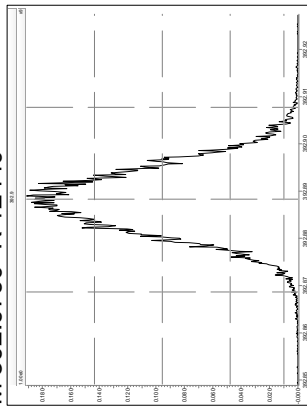
M 366.9792 R 12627



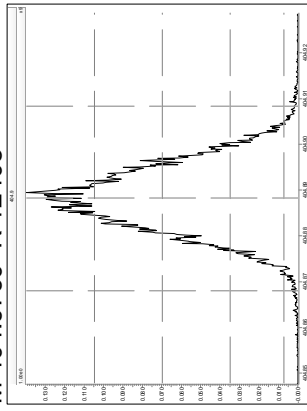
M 380.9760 R 12540



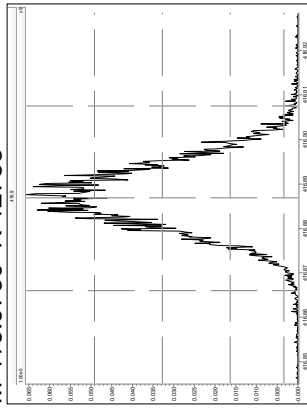
M 392.9760 R 12440



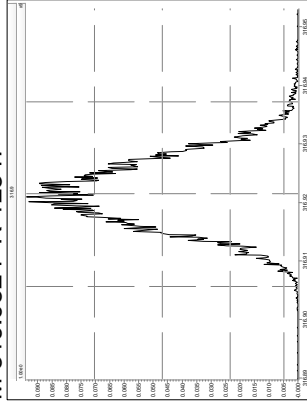
M 404.9760 R 12408



M 416.9760 R 12788

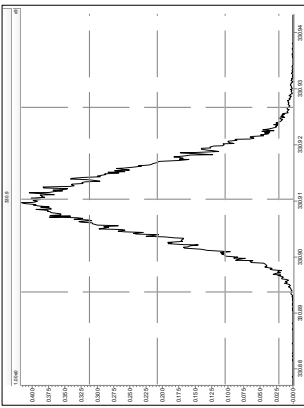


M 316.9824 R 12347

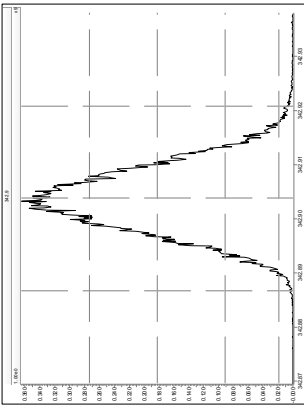


Printed: Wednesday, October 17, 2012 20:38:36 Eastern Daylight Time

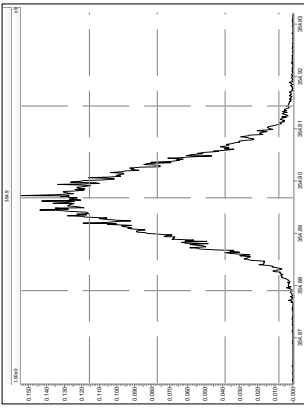
M 330.9792 R 12114



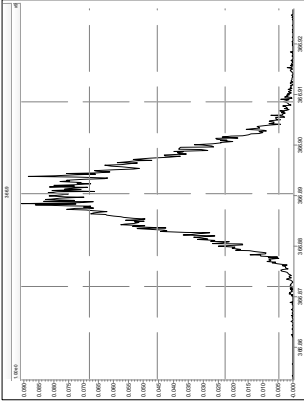
M 342.9792 R 11962



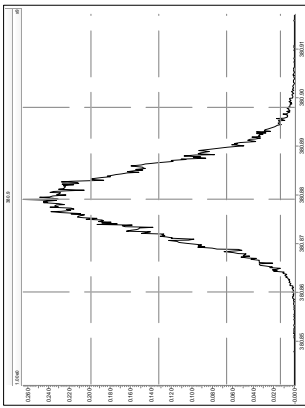
M 354.9792 R 12255



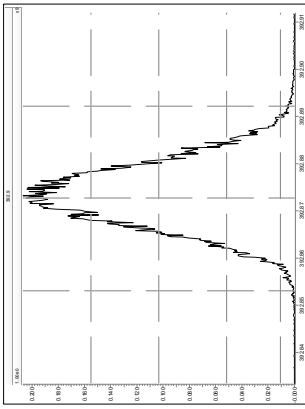
M 366.9792 R 12723



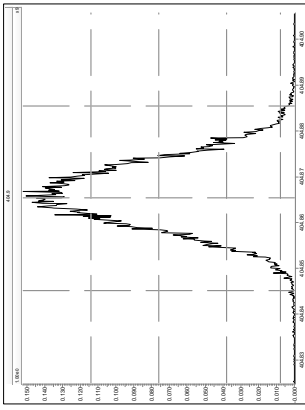
M 380.9760 R 12501



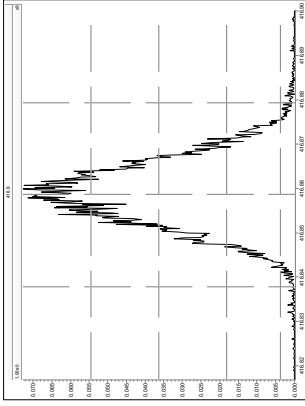
M 392.9760 R 12380



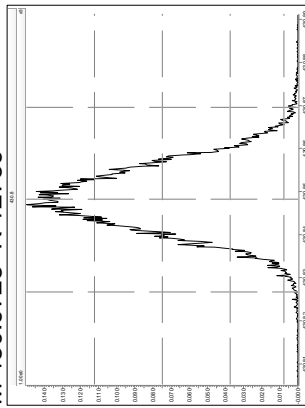
M 404.9760 R 12199



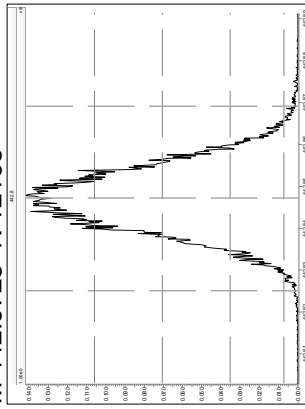
M 416.9760 R 13055



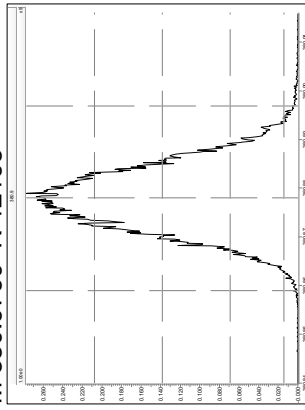
M 430.9728 R 12756



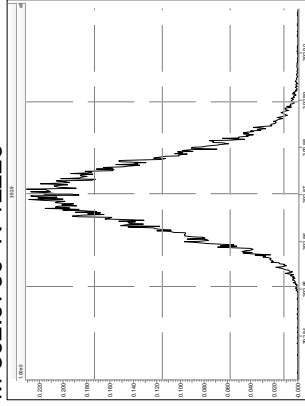
M 442.9728 R 12168



M 380.9760 R 12195

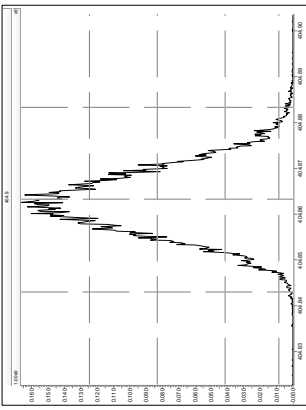


M 392.9760 R 12226

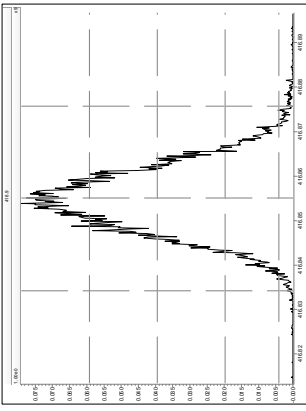


Printed: Wednesday, October 17, 2012 20:38:36 Eastern Daylight Time

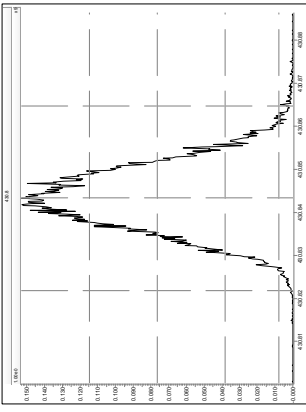
M 404.9760 R 12194



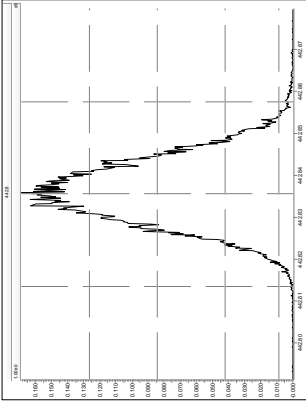
M 416.9760 R 12626



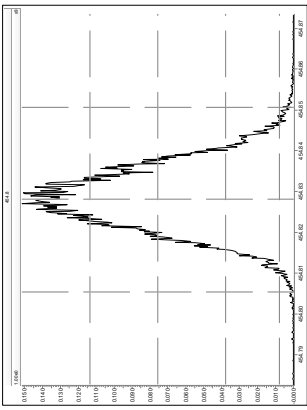
M 430.9728 R 12570



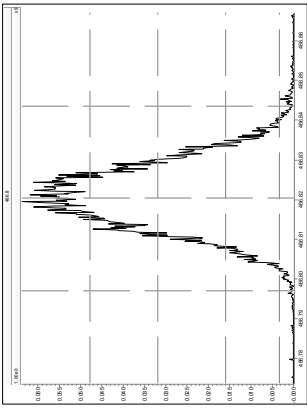
M 442.9728 R 12226



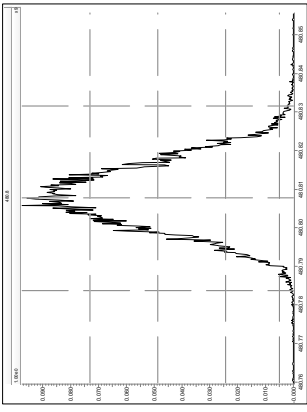
M 454.9728 R 12438



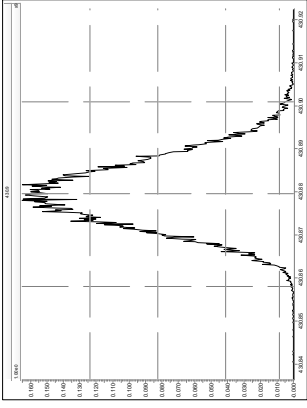
M 466.9728 R 12627



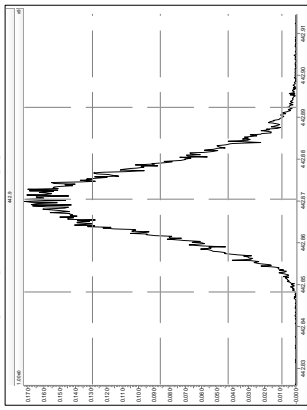
M 480.9696 R 12722



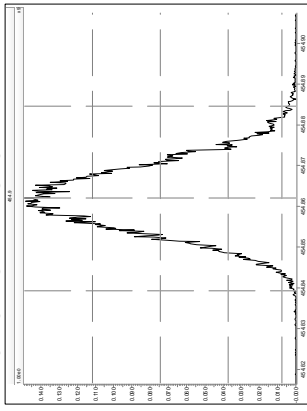
M 430.9728 R 11848



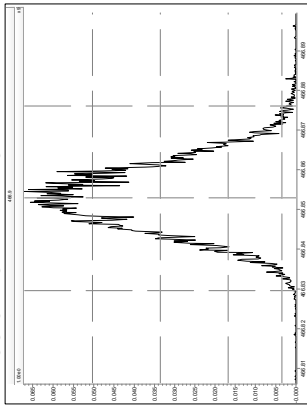
M 442.9728 R 12136



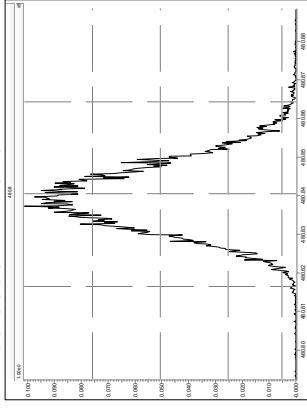
M 454.9728 R 11849



M 466.9728 R 12440

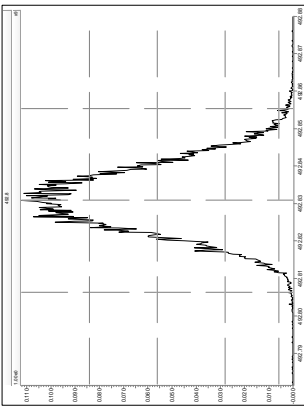


M 480.9696 R 12626

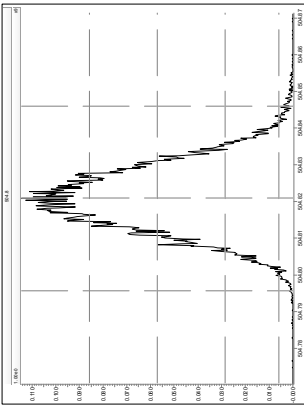


Printed: Wednesday, October 17, 2012 20:38:36 Eastern Daylight Time

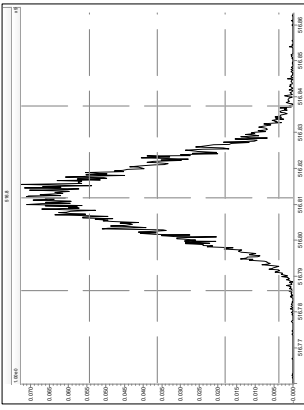
M 492.9696 R 12077



M 504.9696 R 12419



M 516.9697 R 12376



Laboratory Report of Analysis

To: Delaney Peterson
ANCHOR ENVIRONMENTAL
720 Olive Way
Suite 1900
Seattle, WA 98101
US

Report Number: **31203251**

Client Project: **Jeld-Wen Surface Sediments**

Dear Delaney Peterson,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Amy J. Boehm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.



Digitally signed by: Amy Boehm
Date: 2012.11.16 14:54:11 -
04'00'

Amy J. Boehm
Project Manager
amy.boehm@sgs.com

Date

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

Laboratory Qualifiers

Report Definitions

DL	Method, Instrument, or Estimated Detection Limit per Analytical Method
CL	Control Limits for the recovery result of a parameter
LOQ	Reporting Limit
DF	Dilution Factor
RPD	Relative Percent Difference
LCS(D)	Laboratory Control Spike (Duplicate)
MS(D)	Matrix Spike (Duplicate)
MB	Method Blank

Qualifier Definitions

*	Recovery or RPD outside of control limits
B	Analyte was detected in the Lab Method Blank at a level above the LOQ
U	Undetected (Reported as ND or < DL)
V	Recovery is below quality control limit. The data has been validated based on a favorable signal-to-noise and detection limit
A	Amount detected is less than the Lower Method Calibration Limit
J	Estimated Concentration.
O	The recovery of this analyte in the OPR is above the Method QC Limits and the reported concentration in the sample may be biased high
E	Amount detected is greater than the Upper Calibration Limit
S	The amount of analyte present has saturated the detector. This situation results in an underestimation of the affected analyte(s)
Q	Indicates the presence of a quantitative interference. This situation may result in an underestimation of the affected analyte(s)
I	Indicates the presence of a qualitative interference that could cause a false positive or an overestimation of the affected analyte(s)
DPE	Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s)
TIC	Tentatively Identified Compound
EMPC	Estimated Maximum possible Concentration due to ion ratio failure
ND	Not Detected
K	Result is estimated due to ion ratio failure in High Resolution PCB Analysis
P	RPD > 40% between results of dual columns
D	Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range

Samples requiring manual integrations for various congeners and/or standards are marked and dated by the analyst. A code definition is provided below:

M1 Mis-identified peak

Note Results pages that include a value for "Solids (%)" have been adjusted for moisture content.

Case Narrative**JW-EA09-SS37-120507**

The samples contained quantitative interferences due to matrix.

DPE - Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s)

JW-EA09-SS38-120507

The samples contained quantitative interferences due to matrix.

DPE - Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s)

E - Results over Calibration Range

JW-EA10-SS39-120507

DPE - Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s)

JW-EA10-SS40-120507

DPE - Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s)

JW-EA10-SS41-120507

DPE - Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s)

JW-EA10-SS43-120507

DPE - Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s)

OPR for HBN 30725 [HXX/1817]

1668: The reported recovery of 202-OcCB is above recommended QC limits. the reported results in the associated samples may be biased high.

3251
320450



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 4 of 4

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>		Analyses Requested							Notes/ Comments:
Lab: <i>SGS</i>		Surface Sediment		Archive	Dioxins	D/F	PCBs	D/F & PCBs			
Address: <i>SS00 Business Drive</i>		Proj. No.: <i>120909-01-01</i>									
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>KC/NS</i>									
Phone: <i>910.350.4903</i>		Shipping Method: <i>Overnight</i>									
Fax:		AirBill #:									
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Archive	Dioxins	D/F	PCBs	D/F & PCBs		
JW-EA01-SS03	1205 5/7/12	15:10	Sed	2	X	X					
JW-EA01-SS57	1205 5/7/12	15:22	Sed	1			X				
JW-EA01-COMP	1205 5/7/12	17:39	Sed	1				X			
<u>20</u> JW-EA09-SS34	1205 5/7/12	14:11	Sed	1	X						
<u>23</u> JW-EA09-SS37	1205 5/7/12	13:46	Sed	1	X						
<u>21</u> JW-EA09-SS35	1205 5/7/12	13:36	Sed	1	X						
<u>24</u> JW-EA09-SS38	1205 5/7/12	13:50	Sed	1	X						
<u>19</u> JW-EA09-SS33	1205 5/7/12	13:24	Sed	1	X						
<u>22</u> JW-EA09-SS36	1205 5/7/12	14:01	Sed	1	X						
<u>6</u> JW-RB-1205	5/7/12	17:58	Sed	2		X		X			
JW-EA09-COMP	1205 5/7/12	18:03	Sed	1			X	X			
<u>9</u> JW-FB-1205	5/7/12	19:00		1				X			

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:	<i>Signature from JWB-EA01-COMP-1205</i>	
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Julie Johnson</i>	Received By:	Received By:		
Printed Name: <i>Julie Johnson</i>	Printed Name:	Printed Name:	# of Coolers: <i>2</i> Cooler <i>2, 1, 3, 2</i> Temp(s): Bottles Intact?	
Company: <i>SGS</i>	Company:	Company:		
Date/Time: <i>5/14/12 1015</i>	Date/Time:	Date/Time:		

No Seals

3251
31201450



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 2 of 4

Lab Contact: Amy Boehm		Project: Jeld Wen		Analyses Requested								Notes/ Comments:
Lab: SGS		Surface Sediment		PCB	Archive	Dioxin	DIF & PCB					
Address: 5500 Business Drive		Proj. No.: 120909-01-01										
City, etc.: Wilmington NC 28405		Sampler: KLINS										
Phone: 910.350.1903		Shipping Method: Overnight										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
25 JW-EA10-SS39	1205 5/7/12	10:25	Sed	2	X	X						
22 JW-EA10-SS43	1205 5/7/12	12:20	Sed	2	X	X						
32 JW-EA10-SS41	1205 5/7/12	12:44	Sed	2	X	X						
19 JW-EA10-SS42	1205 5/7/12	09:03	Sed	2	X	X						
26 JW-EA10-SS40	1205 5/7/12	12:34	Sed	2	X	X						
JW-EA10-SS90	1205 5/7/12	12:34	Sed	1	X							
JW-EA10-COMP	1205 5/7/12	16:14	Sed	1			X					
14 JW-EA07-SS28	1205 5/7/12	12:00	Sed	1		X						
11 JW-EA07-SS25	1205 5/7/12	11:44	Sed	1		X						
13 JW-EA07-SS27	1205 5/7/12	12:14	Sed	1		X						
12 JW-EA07-SS26	1205 5/7/12	11:50	Sed	1		X						
JW-EA07-COMP	1205 5/7/12	16:33	Sed	1	X		X					5/15/12
JW-EA03-SS12	1205 5/7/12	13:00	Sed	1		X						
JW-EA03-SS11	1205 5/7/12	14:00	Sed	1		X						
JW-EA03-COMP	1205 5/7/12	16:53	Sed	1			X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Julie Johnson</i>	Received By:	Received By:		
Printed Name: Julie Johnson	Printed Name:	Printed Name:		
Company: SGS	Company:	Company:	# of Coolers: 2	Cooler 3, Temp(s): 3.20
Date/Time: 5/9/12 1015	Date/Time:	Date/Time:	COC Seals Intact? MA	Bottles Intact?

no leaks

SGS North America Inc.

Sample Receipt Checklist (SRC)

3251

Client: Jeld Wen

Work Order No.: 31201450

- 1. Shipped
 Hand Delivered
- 2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
- 3. Custody Tape on Container
 No Custody Tape
- 4. Samples Intact
 Samples Broken / Leaking
- 5. Chilled on Receipt Actual Temp.(s) in °C: 11.6, 1.3
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Received Outside of Temperature Specifications
- 6. Sufficient Sample Submitted
 Insufficient Sample Submitted
- 7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
- 8. Received Within Holding Time
 Not Received Within Holding Time
- 9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Descrepancies*
- 10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Comments: One cooler containing JW-EA05-SS19, SS20, SS18, SS17, COMP-120509 out of temperature protocol, all ice melted.

Did not receive JW-EA10-TISSUE-120507, JW-EA01-TISSUE-120507.

Inspected and Logged in by: JJ
Date: Mon-5/14/12 00:00

Sample Summary

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Collected</u>	<u>Received</u>	<u>Matrix</u>
JW-EA09-SS37-120507	31203251001	05/07/2012 13:46	05/09/2012 10:15	Soil-Solid as dry weight
JW-EA09-SS38-120507	31203251002	05/07/2012 13:50	05/09/2012 10:15	Soil-Solid as dry weight
JW-EA10-SS39-120507	31203251003	05/07/2012 10:25	05/09/2012 10:15	Soil-Solid as dry weight
JW-EA10-SS40-120507	31203251004	05/07/2012 12:34	05/09/2012 10:15	Soil-Solid as dry weight
JW-EA10-SS41-120507	31203251005	05/07/2012 12:44	05/09/2012 10:15	Soil-Solid as dry weight
JW-EA10-SS42-120507	31203251006	05/07/2012 09:03	05/09/2012 10:15	Soil-Solid as dry weight
JW-EA10-SS43-120507	31203251007	05/07/2012 12:20	05/09/2012 10:15	Soil-Solid as dry weight

Results of JW-EA09-SS37-120507

Client Sample ID: **JW-EA09-SS37-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251001-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 13:46
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 72.40

Results by EPA 1613B

Parameter	Result	EMPC	Qual	DL	LOQ/CL	Units	RT	Ratio
2,3,7,8-TCDD		0.223	J	0.0280	0.495	pg/g	27.54	0.55*
1,2,3,7,8-PeCDD	0.421		J	0.0264	2.48	pg/g	33.84	1.73
1,2,3,4,7,8-HxCDD	0.644		J	0.0718	2.48	pg/g	38.48	1.36
1,2,3,6,7,8-HxCDD	2.61			0.0810	2.48	pg/g	38.62	1.23
1,2,3,7,8,9-HxCDD	1.41		J	0.0768	2.48	pg/g	38.96	1.30
1,2,3,4,6,7,8-HpCDD	34.7			0.208	2.48	pg/g	42.65	1.06
OCDD	265			0.0701	4.95	pg/g	46.39	0.90
2,3,7,8-TCDF	1.74			0.0193	0.495	pg/g	26.55	0.80
2,3,7,8-TCDF [confirm]		2.82		0.893	1.68	pg/g	21.23	1.16*
1,2,3,7,8-PeCDF	0.400		J	0.0295	2.48	pg/g	32.10	1.68
2,3,4,7,8-PeCDF	0.679		J	0.0275	2.48	pg/g	33.43	1.46
1,2,3,4,7,8-HxCDF	0.508		J	0.0350	2.48	pg/g	37.31	1.28
1,2,3,6,7,8-HxCDF	0.390		J DPE	0.0294	2.48	pg/g	37.48	1.24
2,3,4,6,7,8-HxCDF	0.554		J	0.0321	2.48	pg/g	38.26	1.17
1,2,3,7,8,9-HxCDF	ND		U	0.0492	2.48	pg/g		
1,2,3,4,6,7,8-HpCDF	8.56			0.0409	2.48	pg/g	41.37	1.02
1,2,3,4,7,8,9-HpCDF	0.513		J	0.0595	2.48	pg/g	43.25	0.97
OCDF	34.2			0.0452	4.95	pg/g	46.63	0.87
Total TCDD	16.9	17.4		0.0280	0.495	pg/g		
Total TCDF	19.2	19.4		0.0193	0.495	pg/g		
Total PeCDD	11.9	12.1		0.0264	2.48	pg/g		
Total PeCDF	7.48	8.39	DPE	0.0285	2.48	pg/g		
Total HxCDD	28.3	28.6		0.0765	2.48	pg/g		
Total HxCDF	11.3	11.4	DPE	0.0355	2.48	pg/g		
Total HpCDD	80.3			0.208	2.48	pg/g		
Total HpCDF	31.9	32.2		0.0494	2.48	pg/g		

World Health Organization Summary

	Units	ND=0	ND=1/2	ND=DL
WHO-2005 TEQ	pg/g	1.78	1.84	1.90
WHO-2005 TEQ w/EMPC	pg/g	2.28	2.28	2.29

Results of JW-EA09-SS37-120507

Client Sample ID: **JW-EA09-SS37-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251001-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 13:46
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 72.40

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
13C-2378-TCDF	82.0				24.0-169	%		
13C-2378-TCDD	88.0				25.0-164	%		
13C-12378-PeCDD	85.0				25.0-181	%		
13C-123478-HxCDD	88.0				32.0-141	%		
13C-123678-HxCDD	83.0				28.0-130	%		
13C-1234678-HpCDD	95.0				23.0-140	%		
13C-OCDD	80.0				17.0-157	%		
13C-2378-TCDF	81.0				24.0-169	%		
13C-12378-PeCDF	82.0				24.0-185	%		
13C-23478-PeCDF	83.0				21.0-178	%		
13C-123478-HxCDF	84.0				26.0-152	%		
13C-123678-HxCDF	97.0				26.0-123	%		
13C-234678-HxCDF	95.0				29.0-147	%		
13C-123789-HxCDF	85.0				28.0-136	%		
13C-1234678-HpCDF	85.0				28.0-143	%		
13C-1234789-HpCDF	92.0				26.0-138	%		
37Cl-2378-TCDD	100				35.0-197	%		

Batch Information

Analytical Batch: **HRD1905**
 Analytical Method: **EPA 1613B**
 Instrument: **APHRMS**
 Analyst: **MDC**
 Analytical Date/Time: **10/28/2012 15:42**

Prep Batch: **HXX1816**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/16/2012 15:46**
 Prep Initial Wt./Vol.: **13.94 g**
 Prep Extract Vol: **20 uL**

Analytical Batch: **HRD1933**
 Analytical Method: **EPA 1613B**
 Instrument: **HRMS3**
 Analyst: **JHL**
 Analytical Date/Time: **11/13/2012 17:11**

Prep Batch: **HXX1816**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/16/2012 15:46**
 Prep Initial Wt./Vol.: **13.94 g**
 Prep Extract Vol: **20 uL**

Lab ID: A4723_10237_DF_005

Client ID: JW-EA09-SS37-120507

Datafile: 121028P1-09



Acq'd: 28 Oct 2012 15:42 MDC

UTP: 29-Oct-2012 12:26 MDC

Report: 29 Oct 2012 13:43 MC

Wt/Vol: 10.09 g

J-level: 0.496 pg/g Split: 1

Std's (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

ICAL: 1613_SGS

Checkcode: 083-866-ZJH

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.54		1.0009	1.0009	0	9.79E+04	0.55	N	1.08	0.223	1008	0.028
12378-PeCDD	33.84		1.0006	1.0005	-0.2	1.47E+05	1.73	Y	1.07	0.421	844	0.0264
123478-HxCDD	38.48		1.0004	1.0004	0	1.76E+05	1.36	Y	1.05	0.644	1866	0.0718
123678-HxCDD	38.62		1.0039	1.0039	0	7.13E+05	1.23	Y	0.98	2.61	1866	0.0811
123789-HxCDD	38.96		1.0129	1.0130	+0.2	3.83E+05	1.30	Y	1.01	1.41	1866	0.0768
1234678-HpCDD	42.65		1.0005	1.0003	-0.5	9.06E+06	1.06	Y	1.09	34.7	4843	0.208
OCDD	46.39		1.0005	1.0004	-0.3	4.68E+07	0.90	Y	1.11	265	924	0.0702
2378-TCDF	26.55		1.0009	1.0009	0	1.05E+06	0.80	Y	0.98	1.74	944	0.0193
12378-PeCDF	32.10		1.0007	1.0005	-0.4	2.12E+05	1.68	Y	0.99	0.4	1395	0.0295
23478-PeCDF	33.43		1.0006	1.0009	+0.6	3.75E+05	1.46	Y	1.02	0.68	1395	0.0275
123478-HxCDF	37.31		1.0006	1.0004	-0.4	2.04E+05	1.28	Y	1.19	0.508	1348	0.035
123678-HxCDF	37.48		1.0005	1.0005	0	1.95E+05	1.24	Y	1.16	0.39	1348	0.0294
234678-HxCDF	38.26		1.0006	1.0003	-0.7	2.62E+05	1.17	Y	1.18	0.554	1348	0.0321
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.09	-	1348	0.0492
1234678-HpCDF	41.37		1.0004	1.0004	0	3.27E+06	1.02	Y	1.35	8.56	1577	0.0409
1234789-HpCDF	43.25		1.0004	1.0002	-0.5	1.64E+05	0.97	Y	1.34	0.513	1577	0.0595
OCDF	46.63		1.0057	1.0056	-0.3	7.62E+06	0.87	Y	1.40	34.2	751	0.0452

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.52		1.0281	1.0278	-0.5	8.04E+07	0.80	Y	1.04	88.4
ES 12378-PeCDD	33.82		1.2639	1.2633	-1.0	6.45E+07	1.57	Y	0.87	85.2
ES 123478-HxCDD	38.46		0.9876	0.9876	0	5.15E+07	1.28	Y	0.94	87.8
ES 123678-HxCDD	38.60		0.9910	0.9911	+0.2	5.52E+07	1.27	Y	1.06	83.3
ES 1234678-HpCDD	42.63		1.0943	1.0946	+0.7	4.75E+07	1.05	Y	0.80	95.3
ES OCDD	46.37		1.1907	1.1906	-0.2	6.33E+07	0.89	Y	0.63	80.4
ES 2378-TCDF	26.52		0.9907	0.9907	0	1.22E+08	0.80	Y	1.74	80.7
ES 12378-PeCDF	32.08		1.1992	1.1984	-1.3	1.06E+08	1.58	Y	1.49	81.7
ES 23478-PeCDF	33.40		1.2484	1.2477	-1.1	1.08E+08	1.57	Y	1.48	83.1
ES 123478-HxCDF	37.30		0.9577	0.9576	-0.2	6.68E+07	0.51	Y	1.27	84.1
ES 123678-HxCDF	37.46		0.9619	0.9619	0	8.55E+07	0.52	Y	1.41	97.1
ES 234678-HxCDF	38.25		0.9821	0.9821	0	7.99E+07	0.52	Y	1.34	95.2
ES 123789-HxCDF	39.37		1.0108	1.0109	+0.2	6.36E+07	0.52	Y	1.20	84.5
ES 1234678-HpCDF	41.36		1.0618	1.0619	+0.2	5.60E+07	0.44	Y	1.06	84.7
ES 1234789-HpCDF	43.24		1.1100	1.1102	+0.5	4.73E+07	0.45	Y	0.82	92.3

Lab ID: A4723_10237_DF_005

Acq'd: 28 Oct 2012 15:42 MDC

Wt/Vol: 10.09 g

ICAL: 1613_SGS

Client ID: JW-EA09-SS37-120507

UTP: 29-Oct-2012 12:26 MDC

J-level: 0.496 pg/g Split: 1

Checkcode: 083-866-ZJH

Datafile: 121028P1-09

Report: 29 Oct 2012 13:43 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37Cl)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.77		-	-	-	8.73E+07	0.79	Y	-	-
JS 123789-HxCDD	38.95		-	-	-	6.24E+07	1.26	Y	-	-
CS 37Cl-2378-TCDD	27.54		1.0291	1.0287	-0.6	2.05E+07	n/a	-	1.17	100
SS 37Cl-2378-TCDD	27.54	N/A	1.0291	1.0287	-0.6	2.05E+07	n/a	-	1.12	113

Totals	Conc	EMPC	EDL
Total TCDD	16.9	17.4	0.028
Total PeCDD	11.9	12.1	0.0264
Total HxCDD	28.3	28.6	0.0765
Total HpCDD	80.3	80.3	0.208
Total Tetra-Octa Dioxins	402	403	
Total TCDF	19.2	19.4	0.0193
Total PeCDF	7.48	8.39	0.0285
Total HxCDF	11.3	11.4	0.0355
Total HpCDF	31.9	32.2	0.0494
Total Tetra-Octa Furans	104	106	
Total Tetra-Octa Dioxins & Furans	506	509	

Lab ID: A4723_10237_DF_005

Acq'd: 28 Oct 2012 15:42 MDC

Wt/Vol: 10.09 g

ICAL: 1613_SGS

Client ID: JW-EA09-SS37-120507

UTP: 29-Oct-2012 12:26 MDC

J-level: 0.496 pg/g Split: 1

Checkcode: 083-866-ZJH

Datafile: 121028P1-09

Report: 29 Oct 2012 13:43 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
TCDD	23.43		0.8504	0.8515	+1.8	2.67E+06	0.79	Y	1.08	6.08	1008	0.028
TCDD	23.83		0.8649	0.8660	+1.8	2.13E+06	0.79	Y	1.08	4.86	1008	0.028
TCDD	24.30		0.8835	0.8831	-0.7	7.68E+04	0.81	Y	1.08	0.175	1008	0.028
TCDD	25.18		0.9152	0.9150	-0.3	3.95E+05	0.74	Y	1.08	0.899	1008	0.028
TCDD	25.45		0.9241	0.9247	+1.0	2.75E+05	0.86	Y	1.08	0.626	1008	0.028
TCDD	25.67		0.9327	0.9327	0	3.80E+05	0.83	Y	1.08	0.866	1008	0.028
TCDD	25.89		0.9408	0.9407	-0.2	7.80E+04	0.95	N	1.08	0.178	1008	0.028
TCDD	26.16		0.9512	0.9508	-0.7	3.38E+04	0.73	Y	1.08	0.0769	1008	0.028
TCDD	26.36		0.9580	0.9580	0	9.67E+04	0.79	Y	1.08	0.22	1008	0.028
TCDD	26.80		0.9736	0.9738	+0.3	7.35E+05	0.78	Y	1.08	1.67	1008	0.028
TCDD	26.92		0.9785	0.9783	-0.3	2.82E+04	0.94	N	1.08	0.0641	1008	0.028
TCDD	27.22		0.9884	0.9891	+1.2	4.73E+05	0.76	Y	1.08	1.08	1008	0.028
TCDD	27.37		0.9945	0.9946	+0.2	5.18E+04	0.74	Y	1.08	0.118	1008	0.028
2378-TCDD	27.54		1.0009	1.0009	0	9.79E+04	0.55	N	1.08	0.223	1008	0.028
TCDD	27.93		1.0147	1.0151	+0.7	9.22E+04	0.71	Y	1.08	0.21	1008	0.028
TCDD	28.09		1.0206	1.0207	+0.2	2.13E+04	0.97	N	1.08	0.0484	1008	0.028
TCDD	28.67		1.0423	1.0419	-0.7	2.41E+04	0.79	Y	1.08	0.0549	1008	0.028
PeCDD	30.88		0.9131	0.9131	0	1.14E+06	1.62	Y	1.07	3.27	844	0.0264
PeCDD	31.50		0.9319	0.9315	-0.8	9.28E+04	1.50	Y	1.07	0.266	844	0.0264
PeCDD	32.16		0.9511	0.9509	-0.4	1.11E+06	1.61	Y	1.07	3.16	844	0.0264
PeCDD	32.38		0.9576	0.9573	-0.6	1.62E+05	1.53	Y	1.07	0.463	844	0.0264
PeCDD	32.51		0.9611	0.9612	+0.2	8.42E+05	1.59	Y	1.07	2.41	844	0.0264
PeCDD	32.82		0.9703	0.9703	0	1.70E+05	1.56	Y	1.07	0.486	844	0.0264
PeCDD	33.24		0.9829	0.9829	0	4.64E+05	1.65	Y	1.07	1.33	844	0.0264
12378-PeCDD	33.84		1.0006	1.0005	-0.2	1.47E+05	1.73	Y	1.07	0.421	844	0.0264
PeCDD	33.94		1.0039	1.0036	-0.6	3.95E+04	1.53	Y	1.07	0.113	844	0.0264
PeCDD	34.36		1.0161	1.0160	-0.2	4.94E+04	1.81	N	1.07	0.141	844	0.0264
HxCDD	36.46		0.9479	0.9478	-0.2	1.69E+06	1.19	Y	1.01	6.2	1866	0.0765
HxCDD	37.24		0.9682	0.9680	-0.5	1.95E+06	1.27	Y	1.01	7.15	1866	0.0765
HxCDD	37.59		0.9771	0.9772	+0.2	2.65E+06	1.30	Y	1.01	9.7	1866	0.0765
HxCDD	37.72		0.9811	0.9807	-0.9	1.50E+05	1.37	Y	1.01	0.551	1866	0.0765
123478-HxCDD	38.48		1.0004	1.0004	0	1.76E+05	1.36	Y	1.05	0.644	1866	0.0718
123678-HxCDD	38.62		1.0039	1.0039	0	7.13E+05	1.23	Y	0.98	2.61	1866	0.0811
HxCDD	38.83		1.0097	1.0096	-0.2	1.03E+05	1.71	N	1.01	0.376	1866	0.0765
123789-HxCDD	38.96		1.0129	1.0130	+0.2	3.83E+05	1.30	Y	1.01	1.41	1866	0.0768

Lab ID: A4723_10237_DF_005

Acq'd: 28 Oct 2012 15:42 MDC

Wt/Vol: 10.09 g

ICAL: 1613_SGS

Client ID: JW-EA09-SS37-120507

UTP: 29-Oct-2012 12:26 MDC

J-level: 0.496 pg/g Split: 1

Checkcode: 083-866-ZJH

Datafile: 121028P1-09

Report: 29 Oct 2012 13:43 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
HpCDD	41.74		0.9793	0.9791	-0.5	1.19E+07	1.05	Y	1.09	45.6	4843	0.208
1234678-HpCDD	42.65		1.0005	1.0003	-0.5	9.06E+06	1.06	Y	1.09	34.7	4843	0.208
OCDD	46.39		1.0005	1.0004	-0.3	4.68E+07	0.90	Y	1.11	265	924	0.0702
OCDD-a	46.38		1.0001	1.0002	+0.3	2.68E+06	2.71	Y	1.00	16.8	918	0.0772
TCDF	21.23		0.7983	0.8004	+3.3	4.96E+05	0.68	Y	0.98	0.824	944	0.0193
TCDF	21.79		0.8218	0.8215	-0.5	3.17E+05	0.70	Y	0.98	0.525	944	0.0193
TCDF	22.45		0.8463	0.8462	-0.2	7.58E+05	0.80	Y	0.98	1.26	944	0.0193
TCDF	22.88		0.8625	0.8628	+0.5	3.53E+05	0.77	Y	0.98	0.585	944	0.0193
TCDF	23.02		0.8677	0.8678	+0.2	1.33E+06	0.74	Y	0.98	2.21	944	0.0193
TCDF	23.29		0.8787	0.8782	-0.8	2.59E+05	0.78	Y	0.98	0.429	944	0.0193
TCDF	23.44		0.8840	0.8837	-0.5	8.04E+05	0.76	Y	0.98	1.33	944	0.0193
TCDF	23.86		0.8998	0.8997	-0.2	5.56E+05	0.77	Y	0.98	0.922	944	0.0193
TCDF	24.01		0.9054	0.9051	-0.5	2.36E+05	0.76	Y	0.98	0.392	944	0.0193
TCDF	24.20		0.9125	0.9123	-0.3	4.89E+05	0.76	Y	0.98	0.811	944	0.0193
TCDF	24.61		0.9279	0.9280	+0.2	2.67E+05	0.69	Y	0.98	0.443	944	0.0193
TCDF	24.76		0.9334	0.9335	+0.2	3.33E+05	0.77	Y	0.98	0.553	944	0.0193
TCDF	24.93		0.9381	0.9401	+3.2	8.50E+05	0.73	Y	0.98	1.41	944	0.0193
TCDF	25.05		0.9439	0.9444	+0.8	5.62E+05	0.68	Y	0.98	0.933	944	0.0193
TCDF	25.55		0.9630	0.9632	+0.3	8.57E+05	0.76	Y	0.98	1.42	944	0.0193
TCDF	25.68		0.9674	0.9682	+1.3	3.98E+04	0.76	Y	0.98	0.066	944	0.0193
TCDF	25.85		0.9746	0.9746	0	3.34E+05	0.82	Y	0.98	0.554	944	0.0193
TCDF	26.06		0.9829	0.9826	-0.5	2.00E+05	0.77	Y	0.98	0.331	944	0.0193
TCDF	26.30		0.9916	0.9917	+0.2	3.11E+05	0.71	Y	0.98	0.516	944	0.0193
TCDF	26.41		0.9963	0.9958	-0.8	1.91E+05	0.67	Y	0.98	0.318	944	0.0193
2378-TCDF	26.55		1.0009	1.0009	0	1.05E+06	0.80	Y	0.98	1.74	944	0.0193
TCDF	26.97		1.0166	1.0168	+0.3	8.55E+05	0.77	Y	0.98	1.42	944	0.0193
TCDF	27.24		1.0274	1.0272	-0.3	6.50E+04	0.71	Y	0.98	0.108	944	0.0193
TCDF	27.55		1.0390	1.0388	-0.3	3.71E+04	0.66	Y	0.98	0.0616	944	0.0193
TCDF	28.85		1.0886	1.0879	-1.1	1.26E+05	1.03	N	0.98	0.209	944	0.0193
PeCDF	28.84		0.8975	0.8987	+2.3	1.48E+06	1.64	Y	1.00	2.74	1113	0.0228
PeCDF	30.62		0.9542	0.9542	0	3.24E+05	1.24	N	1.00	0.598	1395	0.0285
PeCDF	30.80		0.9587	0.9599	+2.3	9.31E+05	1.47	Y	1.00	1.72	1395	0.0285
PeCDF	30.91		0.9636	0.9633	-0.6	1.58E+05	1.47	Y	1.00	0.292	1395	0.0285
PeCDF	31.02		0.9671	0.9668	-0.6	4.77E+04	1.74	Y	1.00	0.0881	1395	0.0285
PeCDF	31.30		0.9760	0.9757	-0.6	5.66E+04	1.08	N	1.00	0.105	1395	0.0285
PeCDF	31.45		0.9810	0.9803	-1.3	3.17E+04	1.91	N	1.00	0.0585	1395	0.0285

Lab ID: A4723_10237_DF_005

Acq'd: 28 Oct 2012 15:42 MDC

Wt/Vol: 10.09 g

ICAL: 1613_SGS

Client ID: JW-EA09-SS37-120507

UTP: 29-Oct-2012 12:26 MDC

J-level: 0.496 pg/g Split: 1

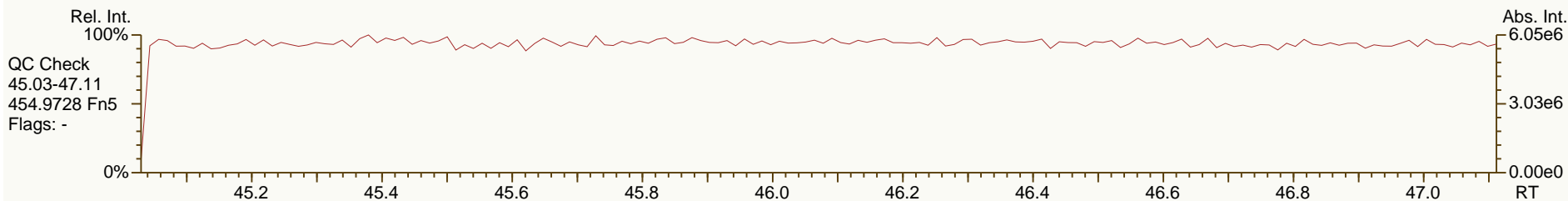
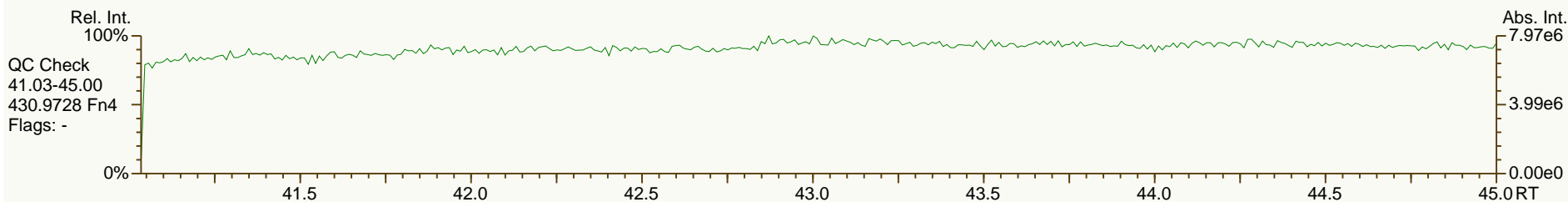
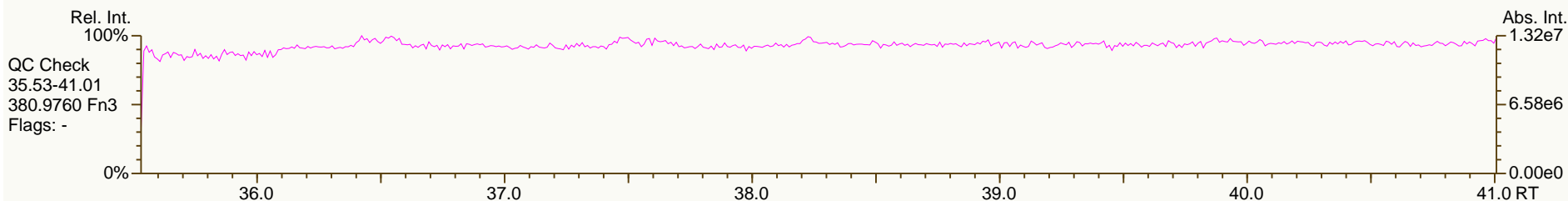
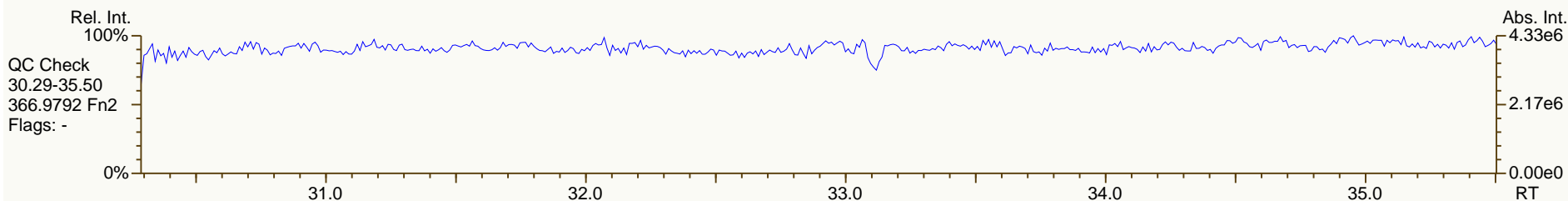
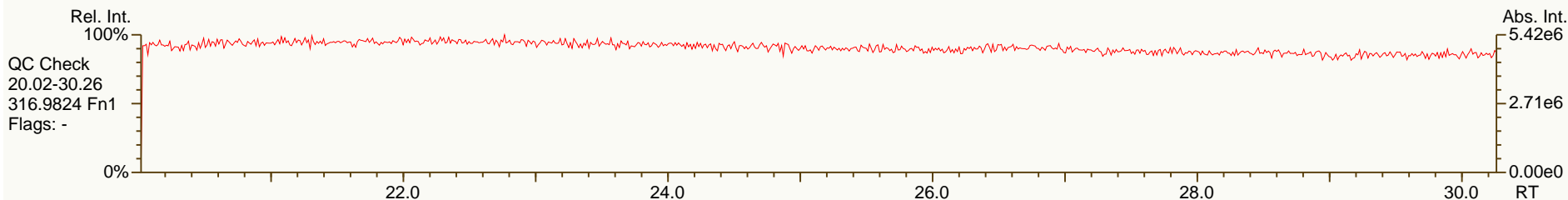
Checkcode: 083-866-ZJH

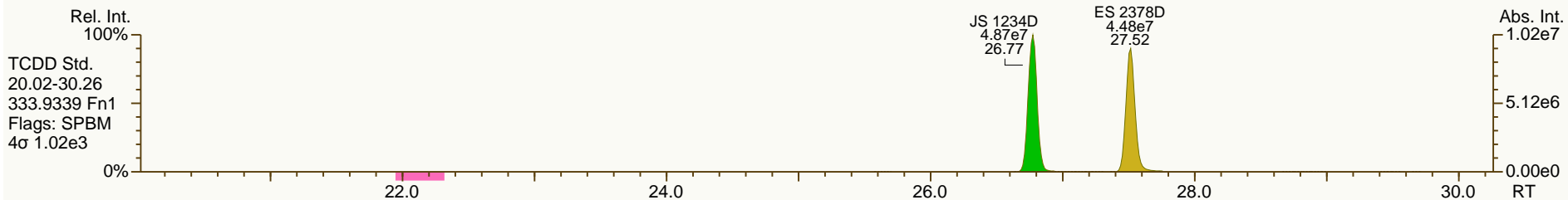
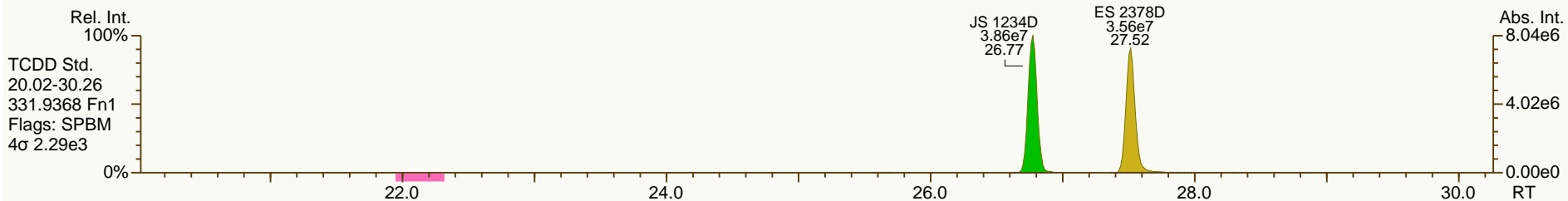
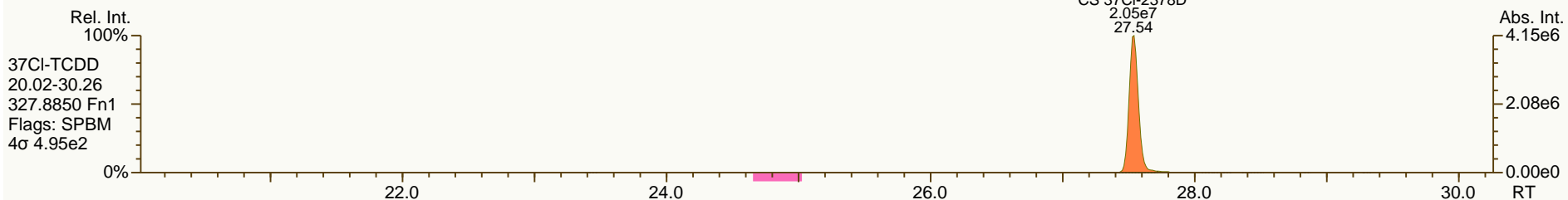
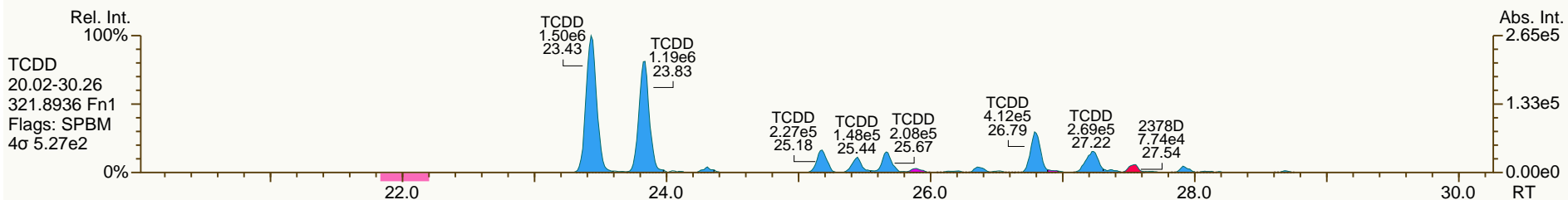
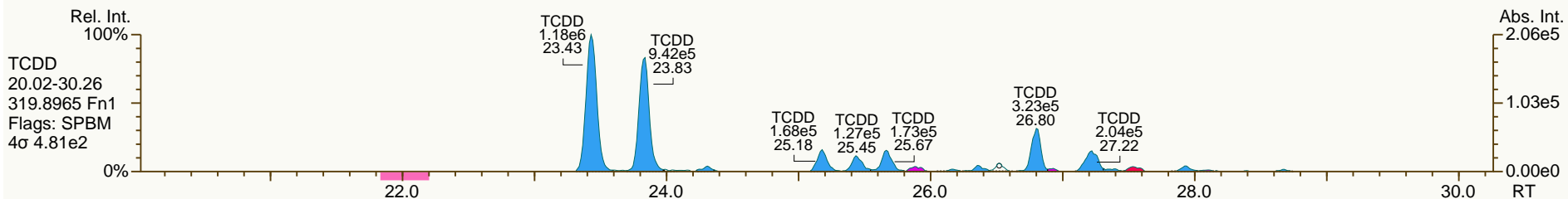
Datafile: 121028P1-09

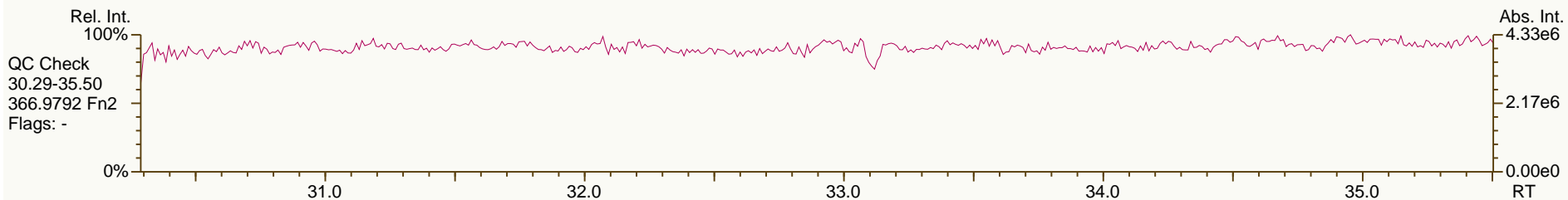
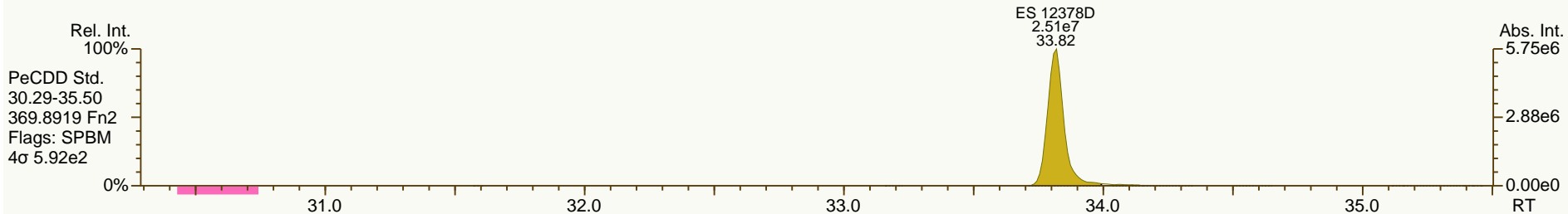
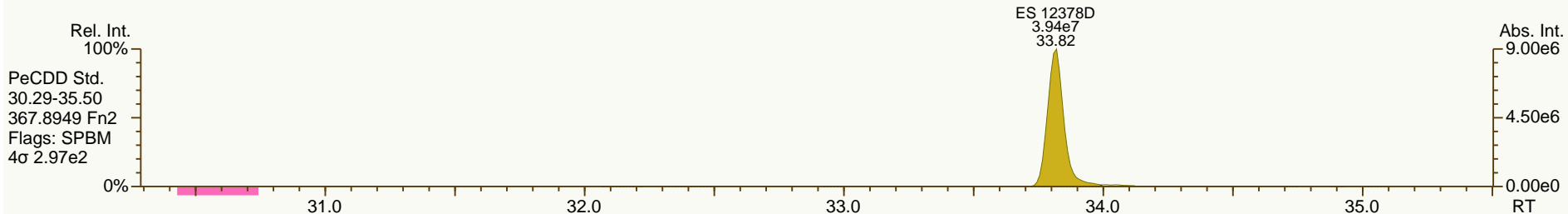
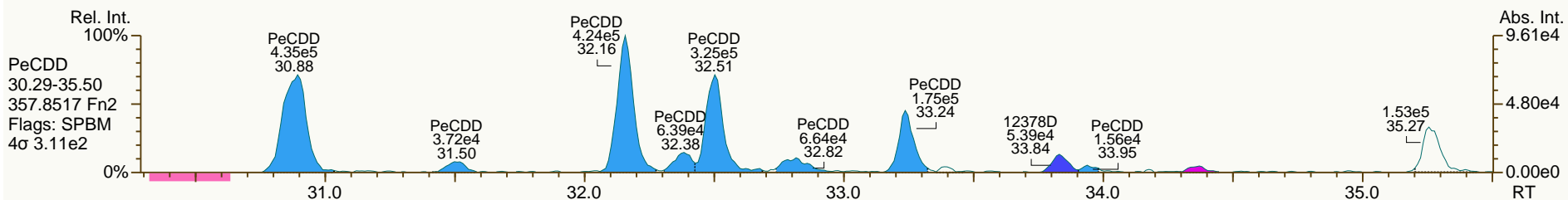
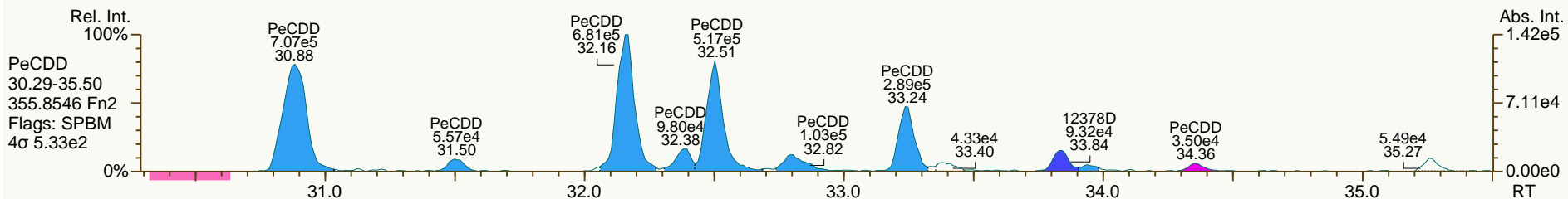
Report: 29 Oct 2012 13:43 MC

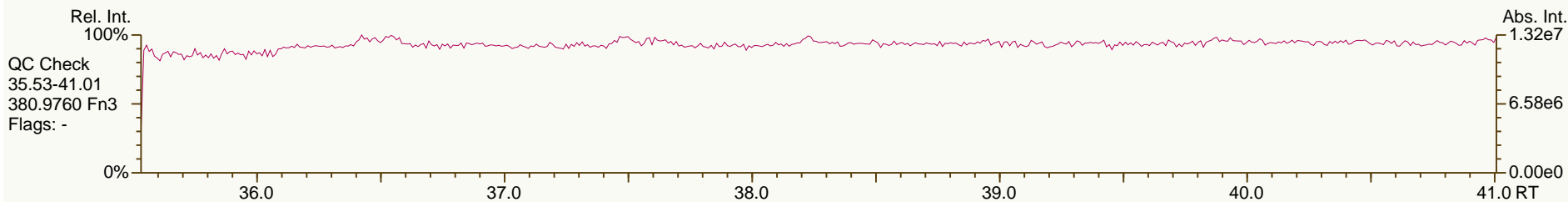
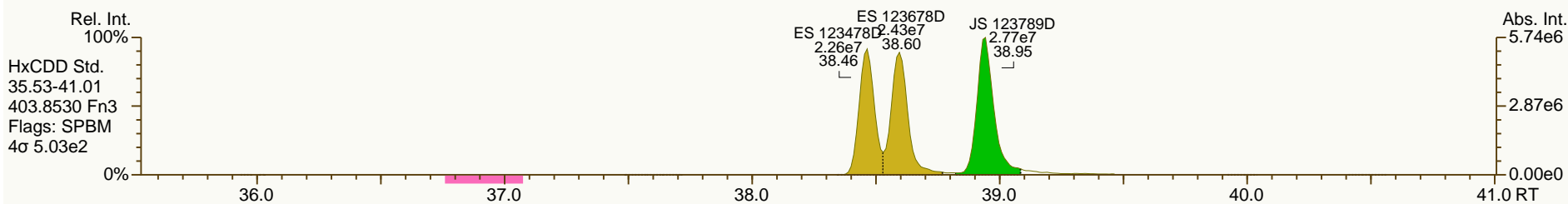
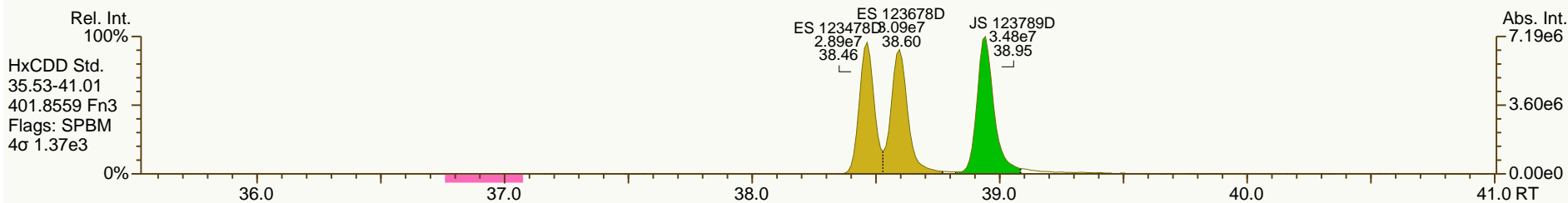
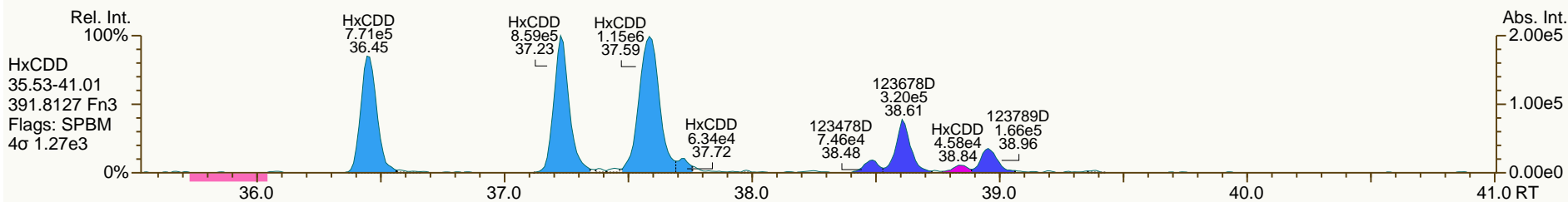
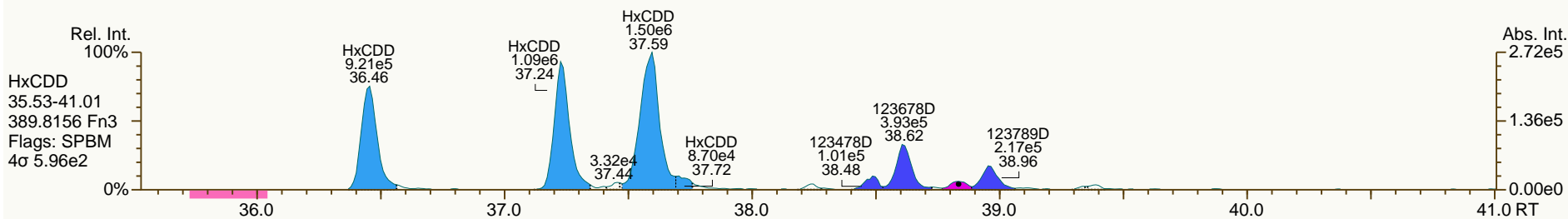
Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

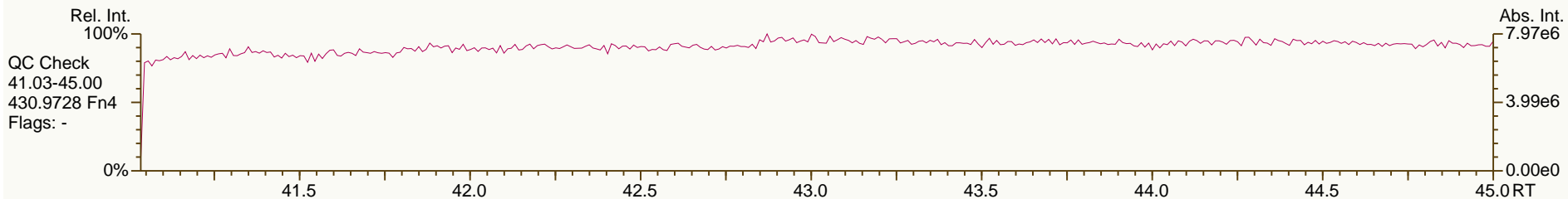
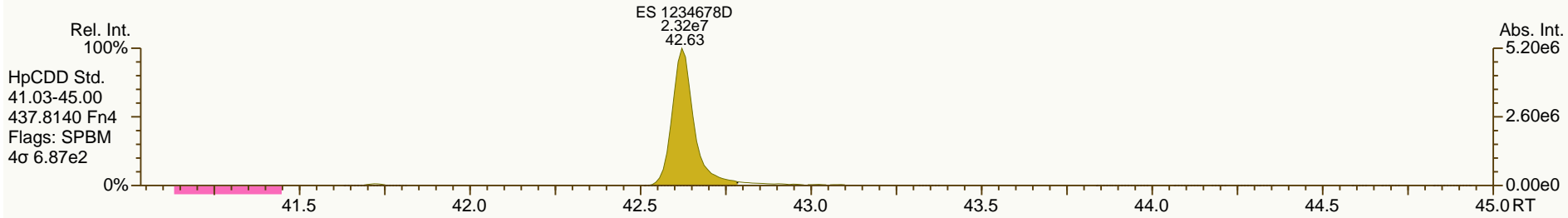
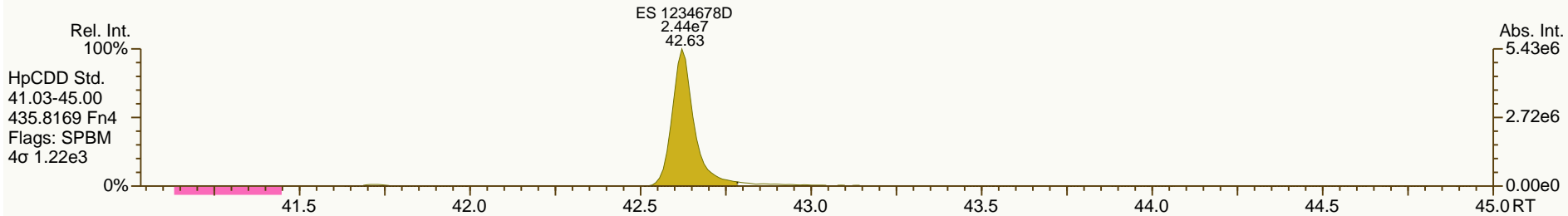
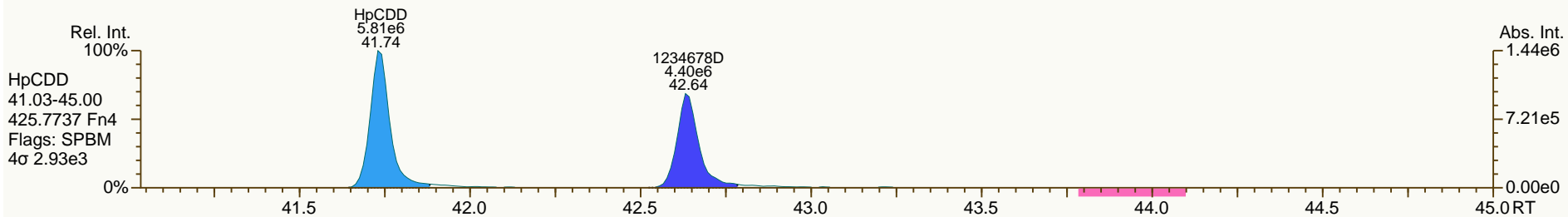
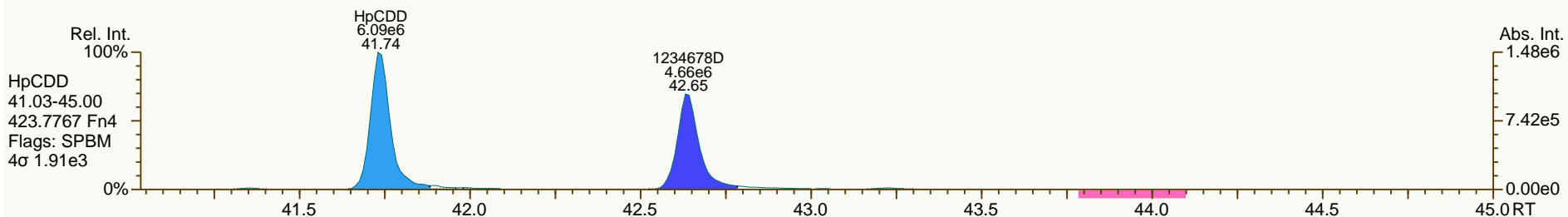
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
PeCDF	31.58		0.9847	0.9843	-0.8	3.31E+05	1.52	Y	1.00	0.612	1395	0.0285
PeCDF	31.67		0.9870	0.9871	+0.2	6.30E+04	1.79	N	1.00	0.116	1395	0.0285
PeCDF	31.85		0.9930	0.9928	-0.4	6.19E+04	1.72	Y	1.00	0.114	1395	0.0285
12378-PeCDF	32.10		1.0007	1.0005	-0.4	2.12E+05	1.68	Y	0.99	0.4	1395	0.0295
PeCDF	32.43		1.0113	1.0108	-1.0	2.61E+05	1.60	Y	1.00	0.483	1395	0.0285
PeCDF	NotFnd		1.0169						1.00		1395	0.0285
PeCDF	33.13		0.9917	0.9918	+0.2	3.16E+04	1.46	Y	1.00	0.0584	1395	0.0285
PeCDF	33.28		0.9962	0.9963	+0.2	1.61E+05	1.42	Y	1.00	0.298	1395	0.0285
23478-PeCDF	33.43		1.0006	1.0009	+0.6	3.75E+05	1.46	Y	1.02	0.68	1395	0.0275
PeCDF	NotFnd		0.0000						1.02		0	0
PeCDF	NotFnd		1.0023						1.00		1395	0.0285
PeCDF	NotFnd		1.0120						1.00		1395	0.0285
PeCDF	34.70		1.0389	1.0387	-0.4	1.88E+04	1.13	N	1.00	0.0347	1395	0.0285
HxCDF	35.67		0.9565	0.9563	-0.4	5.02E+05	1.17	Y	1.15	1.17	1348	0.0355
HxCDF	35.90		0.9627	0.9626	-0.2	1.51E+06	1.17	Y	1.15	3.5	1348	0.0355
HxCDF	NotFnd		0.9700						1.15		1348	0.0355
HxCDF	36.42		0.9762	0.9763	+0.2	6.91E+04	1.52	N	1.15	0.161	1348	0.0355
HxCDF	36.68		0.9833	0.9835	+0.4	2.05E+06	1.26	Y	1.15	4.78	1348	0.0355
HxCDF	37.17		0.9968	0.9967	-0.2	7.75E+04	1.28	Y	1.15	0.18	1348	0.0355
123478-HxCDF	37.31		1.0006	1.0004	-0.4	2.04E+05	1.28	Y	1.19	0.508	1348	0.035
123678-HxCDF	37.48		1.0005	1.0005	0	1.95E+05	1.24	Y	1.16	0.39	1348	0.0294
HxCDF	NotFnd		1.0055						1.15		1348	0.0355
HxCDF	37.84		1.0102	1.0100	-0.4	2.68E+04	1.27	Y	1.15	0.0623	1348	0.0355
HxCDF	NotFnd		0.9933						1.15		1348	0.0355
234678-HxCDF	38.26		1.0006	1.0003	-0.7	2.62E+05	1.17	Y	1.18	0.554	1348	0.0321
HxCDF	NotFnd		0.0000						1.18		0	0
HxCDF	NotFnd		1.0009						1.15		1348	0.0355
123789-HxCDF	NotFnd		1.0005						1.09		1348	0.0492
HxCDF	NotFnd		0.0000						1.09		0	0
123489-HxCDF	39.42		1.0013	1.0012	-0.2	5.74E+04	1.33	Y	1.15	0.133	1348	0.0355
1234678-HpCDF	41.37		1.0004	1.0004	0	3.27E+06	1.02	Y	1.35	8.56	1577	0.0409
HpCDF	41.73		1.0091	1.0091	0	1.00E+05	1.30	N	1.34	0.286	1577	0.0494
HpCDF	41.92		1.0140	1.0137	-0.7	8.00E+06	1.05	Y	1.34	22.8	1577	0.0494
1234789-HpCDF	43.25		1.0004	1.0002	-0.5	1.64E+05	0.97	Y	1.34	0.513	1577	0.0595
OCDF	46.63		1.0057	1.0056	-0.3	7.62E+06	0.87	Y	1.40	34.2	751	0.0452
OCDF-a	46.62		1.0053	1.0053	0	4.51E+05	2.50	Y	1.00	2.82	770	0.0647

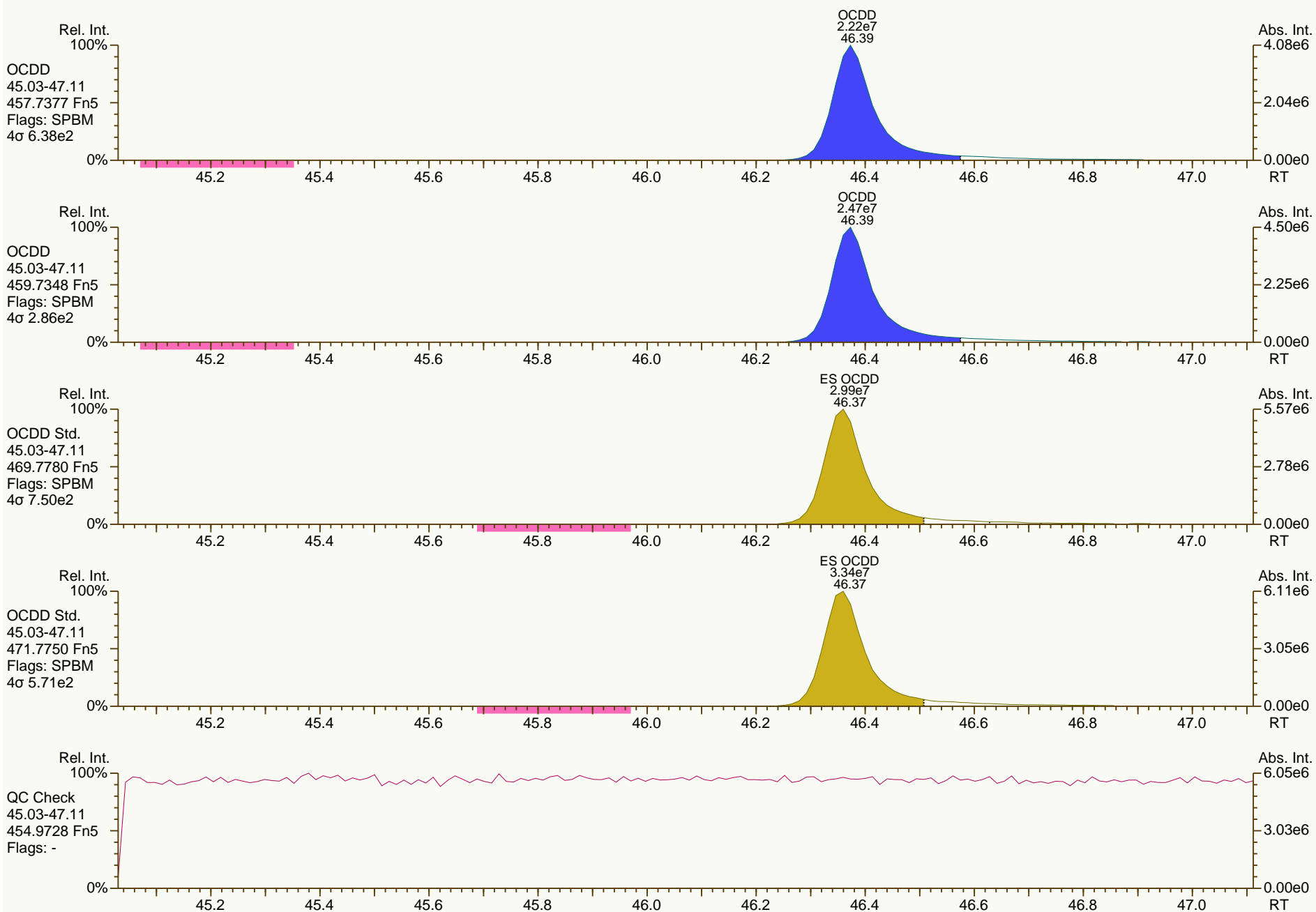


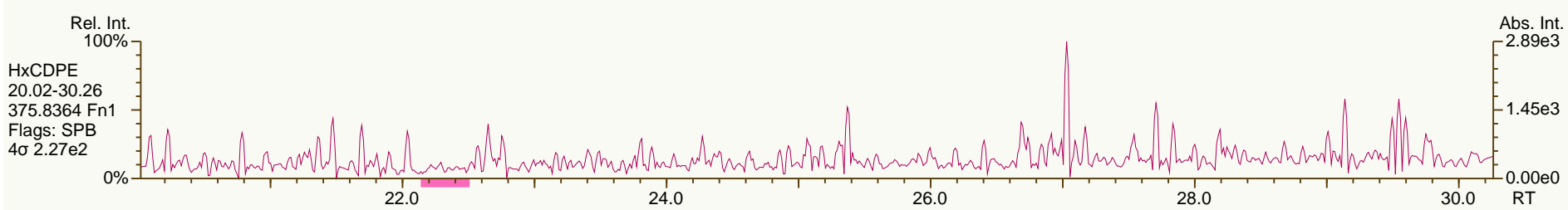
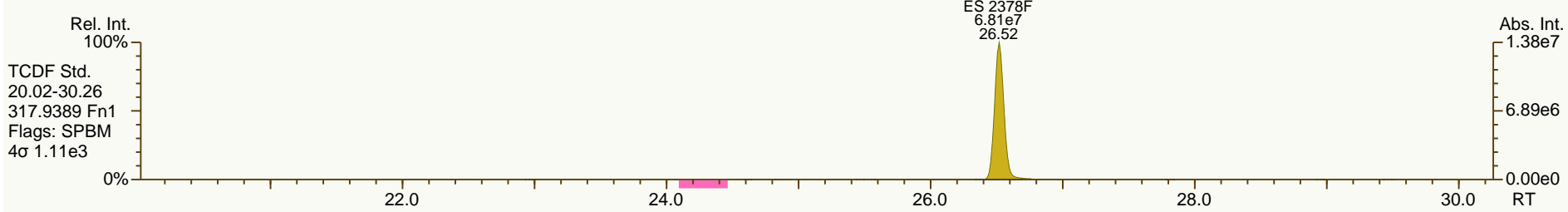
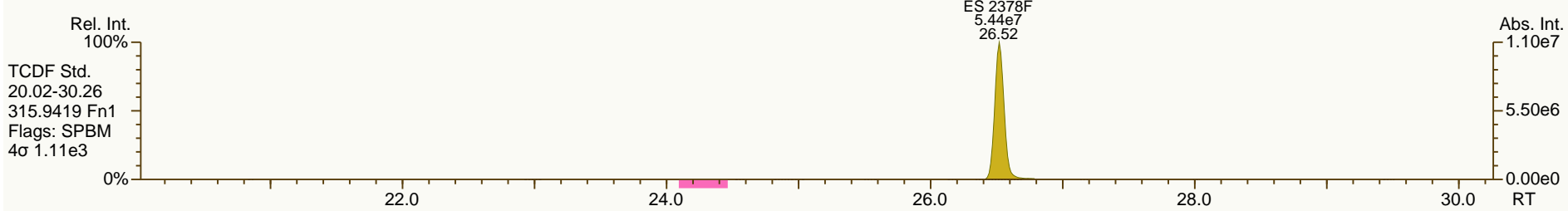
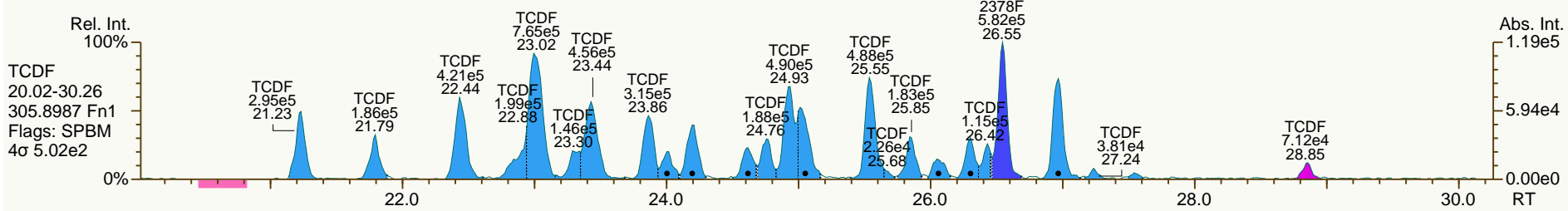
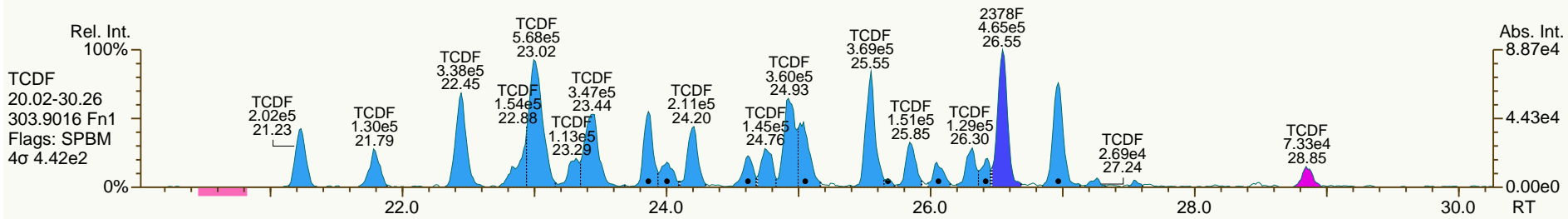


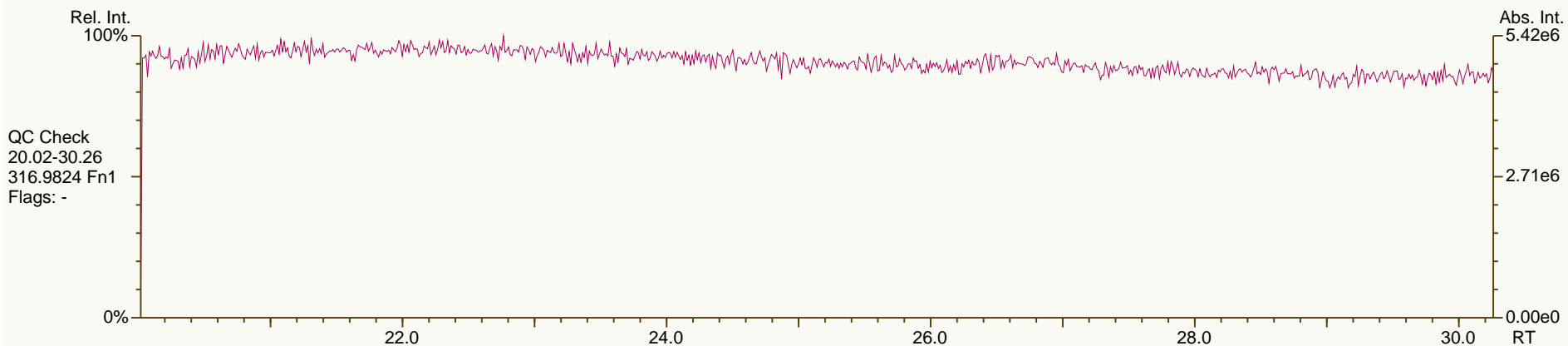
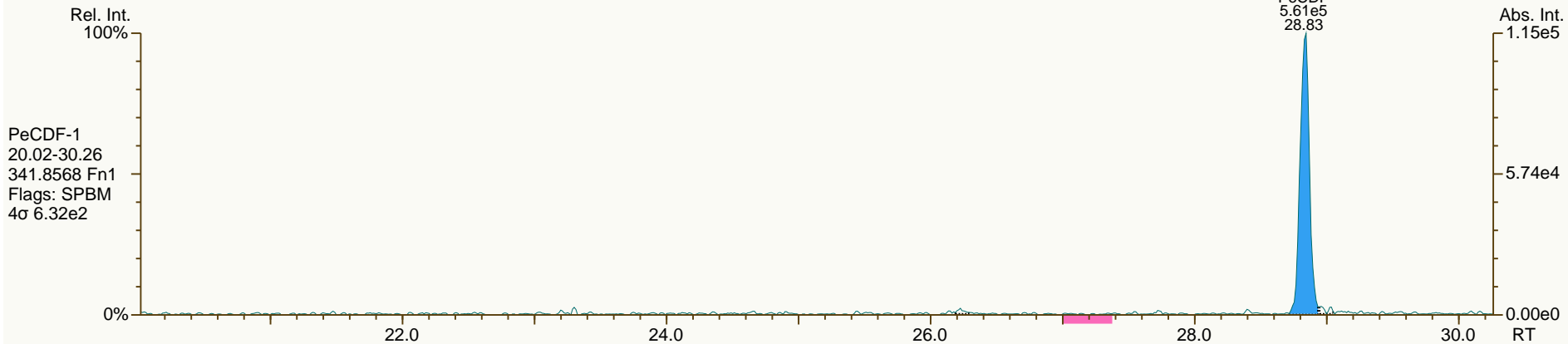
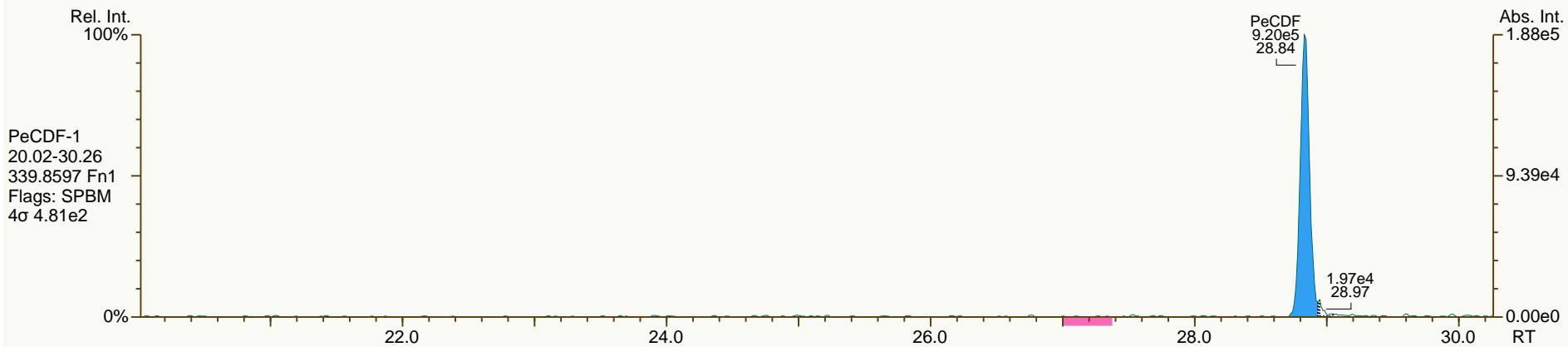


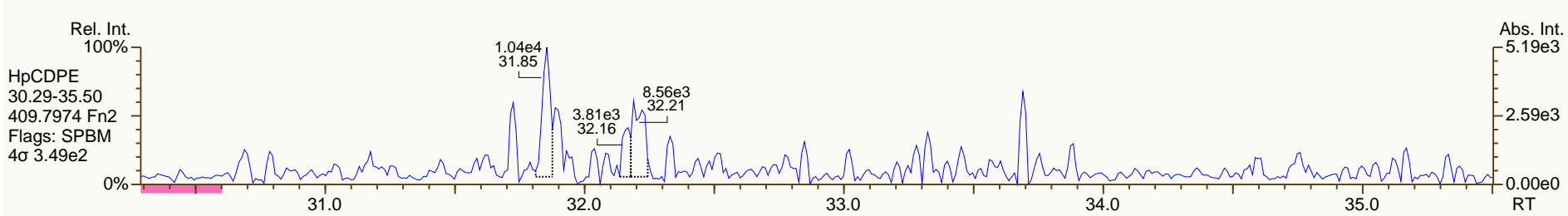
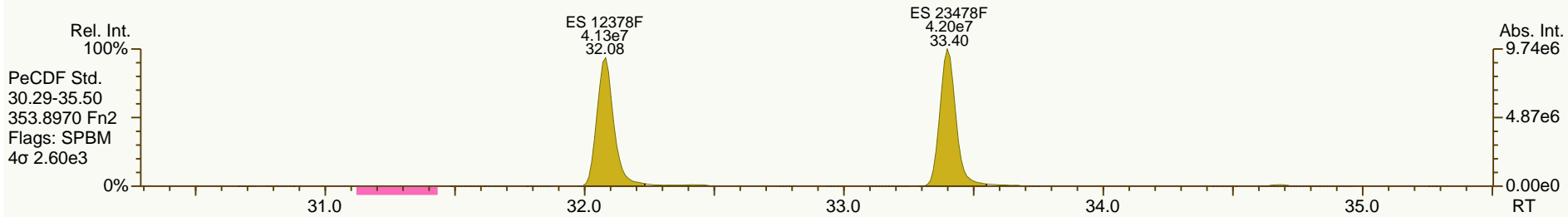
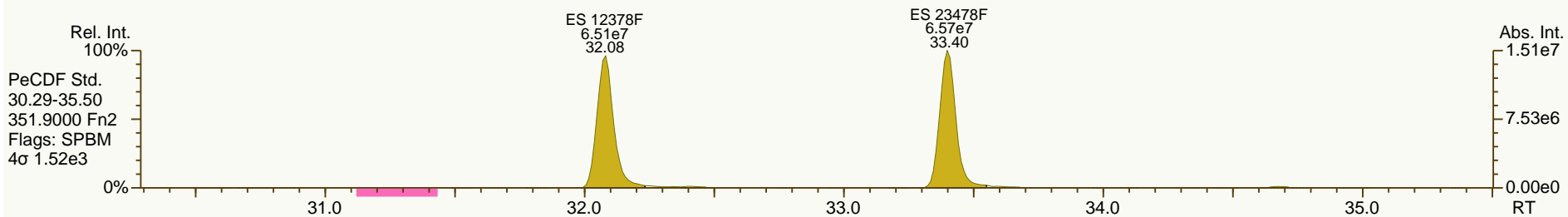
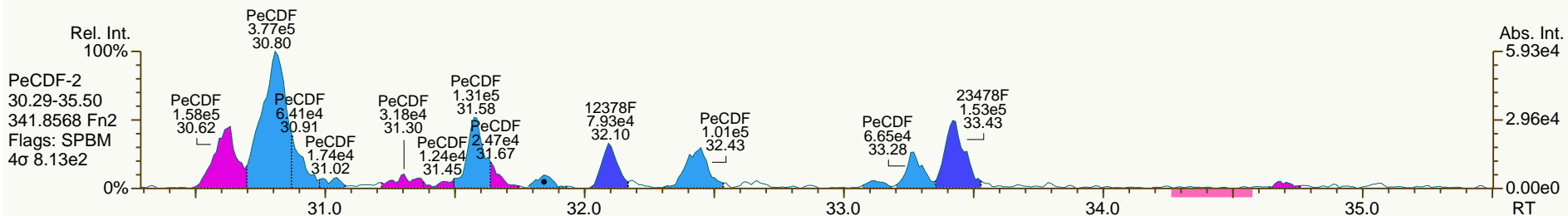
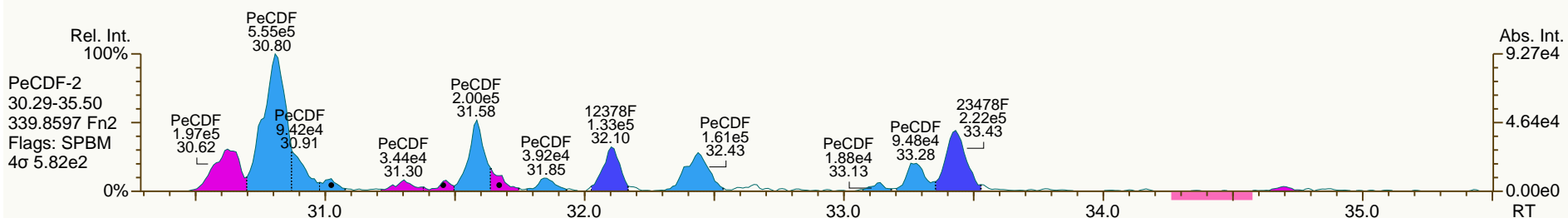


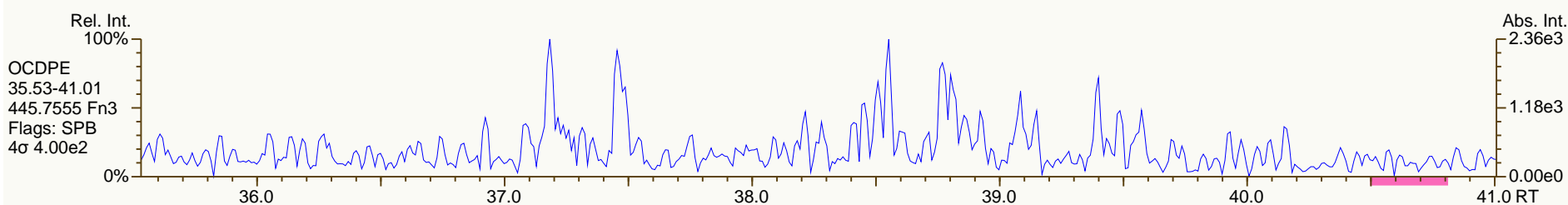
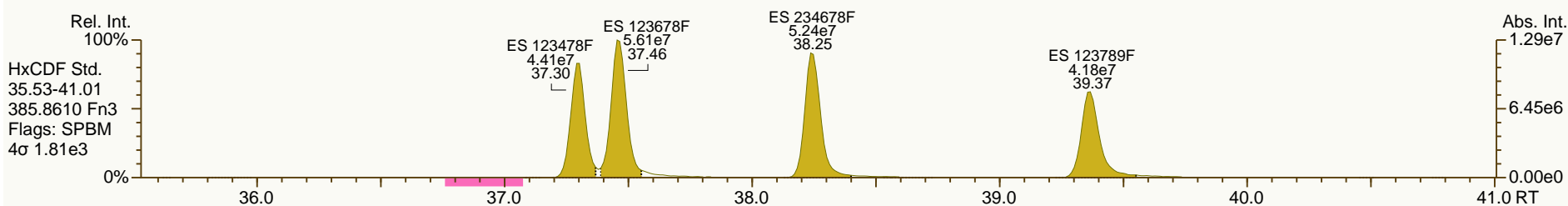
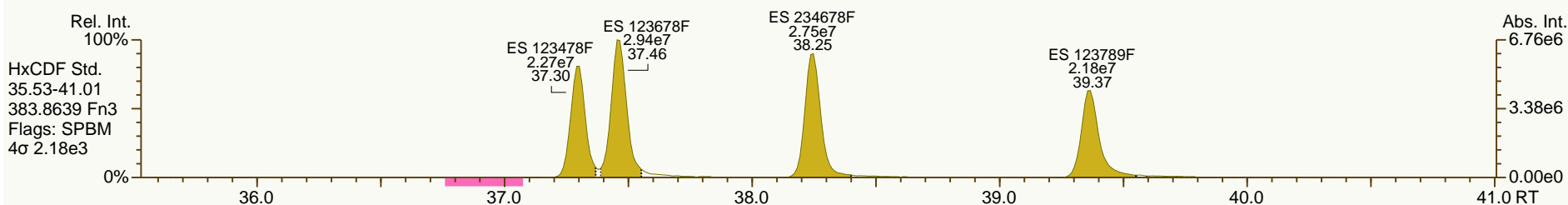
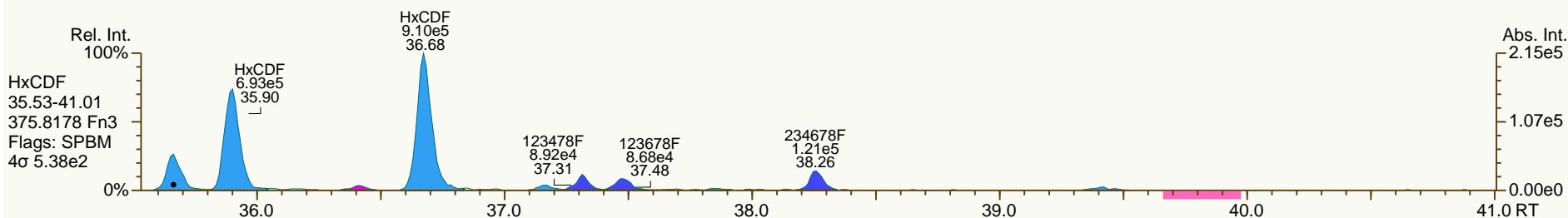
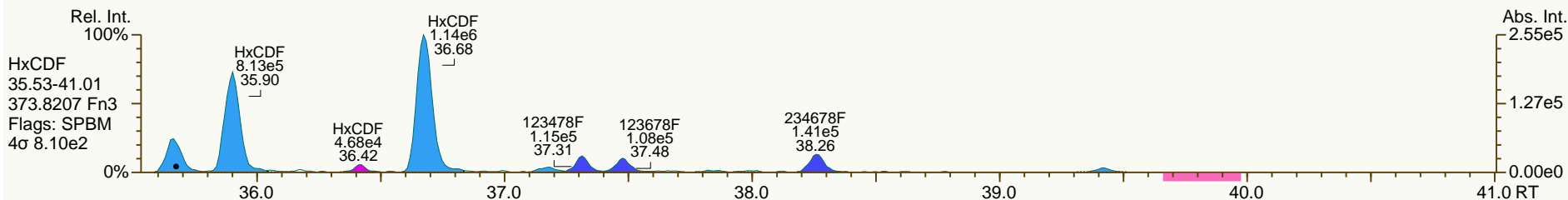


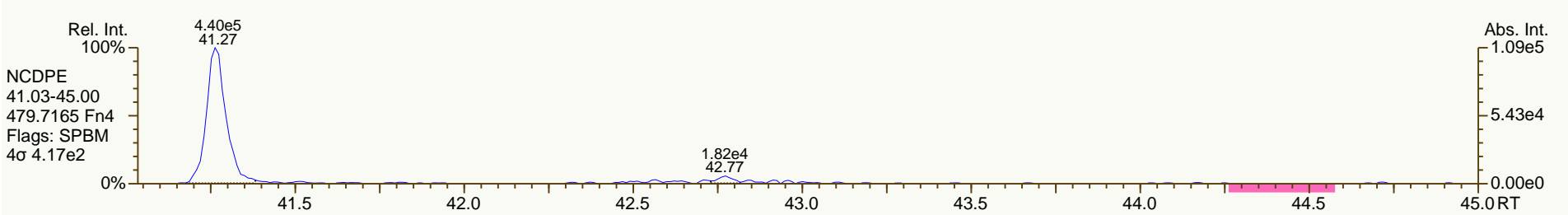
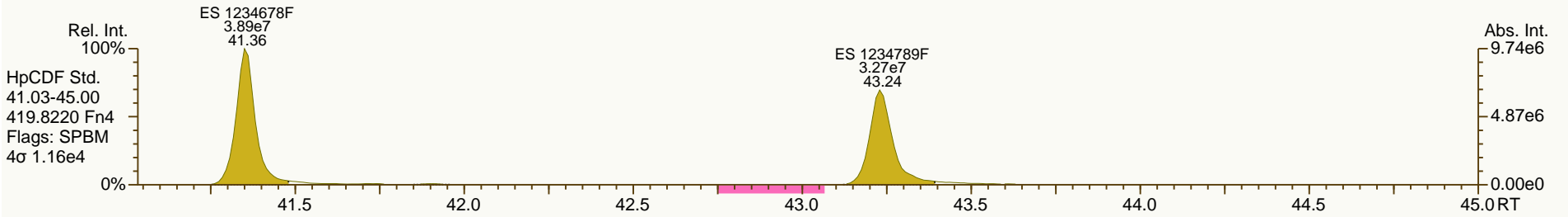
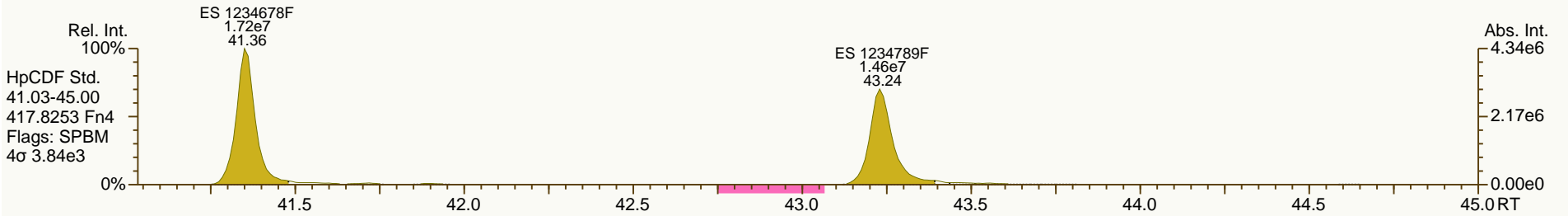
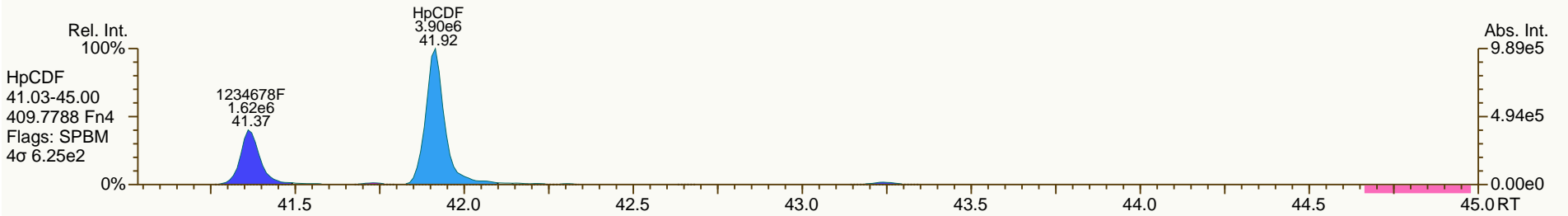
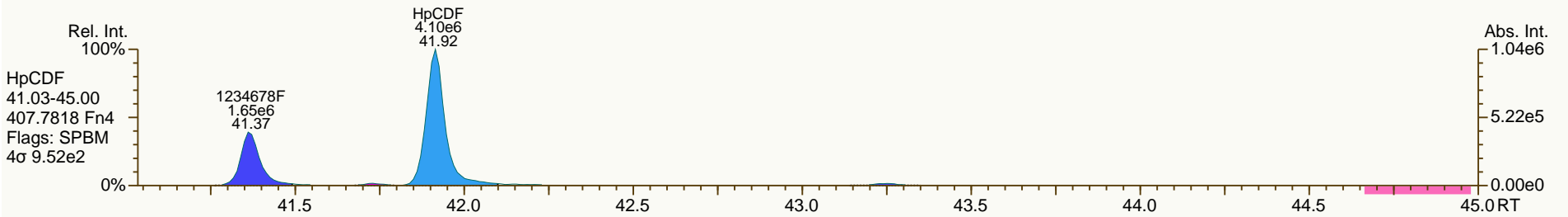


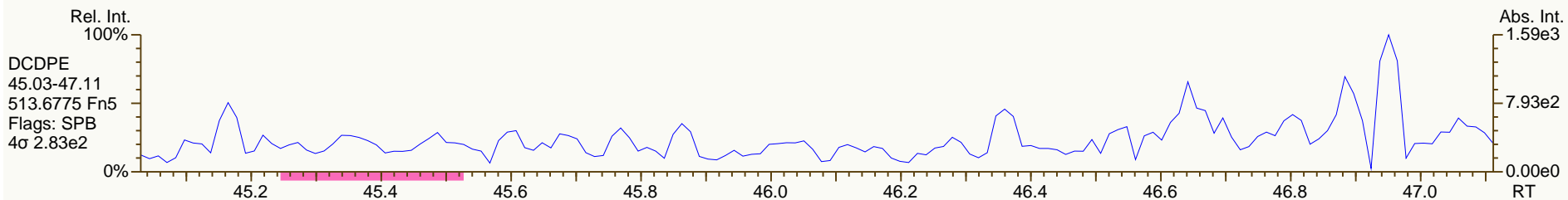
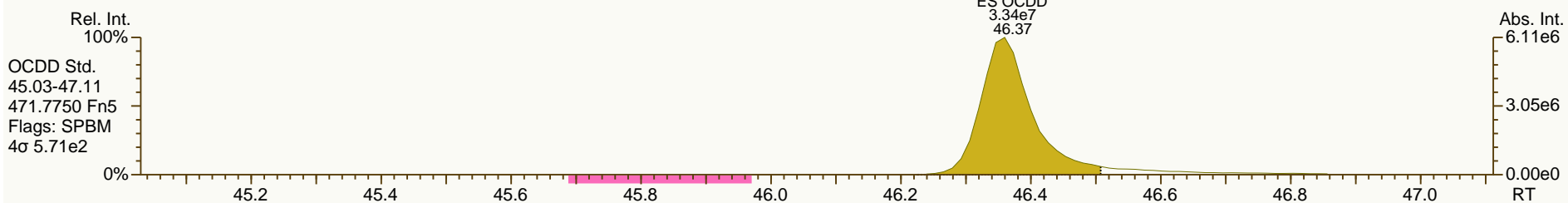
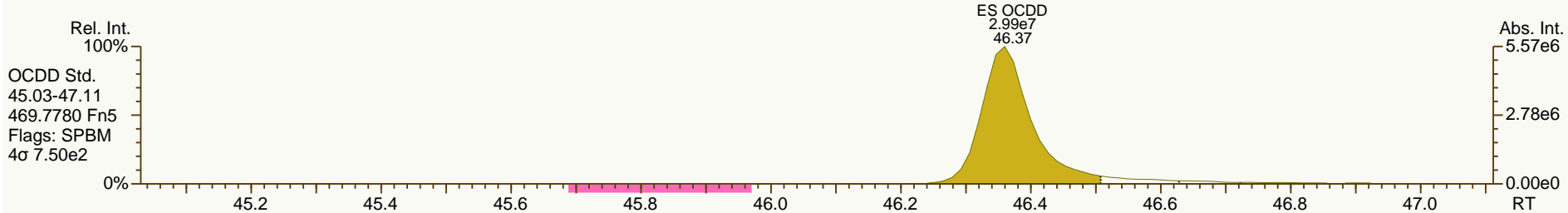
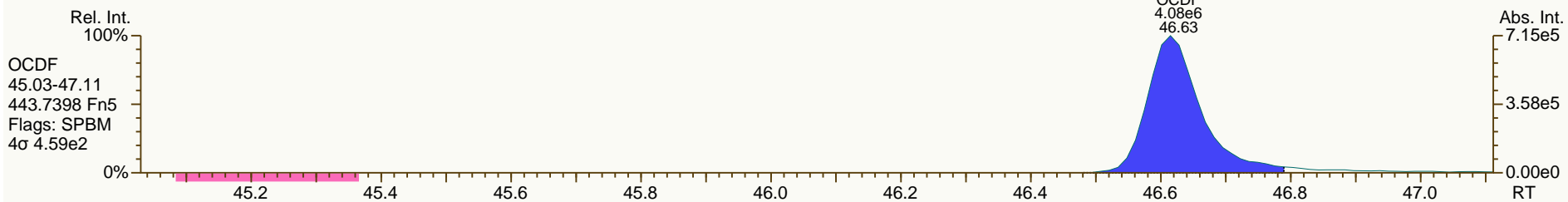
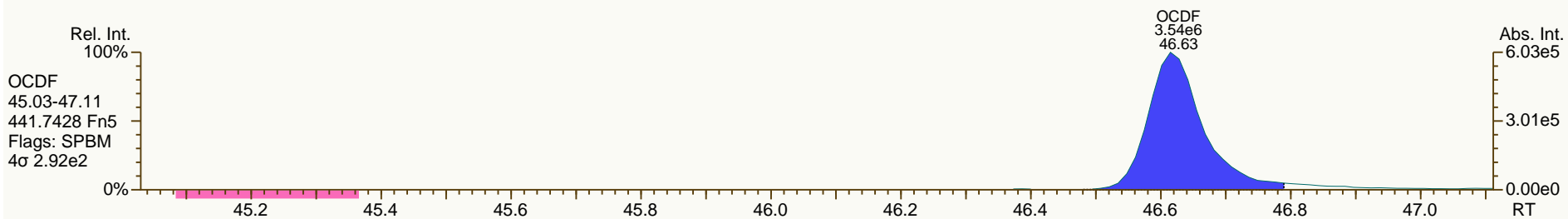












Quantify Sample Summary Report

MassLynx 4.1

Confirms Sample Summary

Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time

Printed: Wednesday, 11/14/2012 10:57:45 AM Eastern Standard Time

11-14-12

Method: C:\MassLynx\Default.PRO\MethDB\VFxms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-9

Date: 13-Nov-2012

Time: 17:11:43

ID: 31203251001

User: JHL

Submitter:

Task: HRMS3

	Name	Response	Ion1Area	Ion2Area	RA	RAFail?	MRRF	RT	Conc	EDL	SN1	SN2	M	Height1	Noise1	Height2	Noise2	Smp Size	FV
1	2378-TCDF	2.030e3	1.092e3	9.377e2	1.16	YES	1.218	21.23	2.039	0.6464	4.3	5.8	MM	7.424e3	1719	1.008e4	1722	13.94	20
2	ES:13C-2378-TCDF	1.173e5	5.142e4	6.584e4	0.78	NO	1.655	21.23	117.052	1.3179	210.6	262.4	bb	6.876e5	3264	8.834e5	3366	13.94	20
3	JS:13C-1234-TCDD	8.684e4	3.758e4	4.926e4	0.76	NO	1.000	21.13	143.472	2.2809	145.0	172.3	bb	4.718e5	3255	6.340e5	3679	13.94	20
4	Tetrafurans	-	1.249e3	-	-	-	1.218	-	2.344	0.6464	-	-	-	1.220e4	1719	-	-	13.94	20
5	F1 Lock Mass	-	-	-	-	-	-	-	-	-	-	-	-	-	91253	-	-	1.00	1

$$[TCDF] = \frac{2.030e3}{1.173e5} \left(\frac{2000pg}{13.94ug \times 0.7241} \right) \left(\frac{1}{\frac{1.718}{1.21803}} \right) = 2.82pg/g$$

11-14-12

Quantify Sample Report MassLynx 4.1

Confirms Sample Summary

Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time

Printed: Wednesday, 11/14/2012 10:57:45 AM Eastern Standard Time

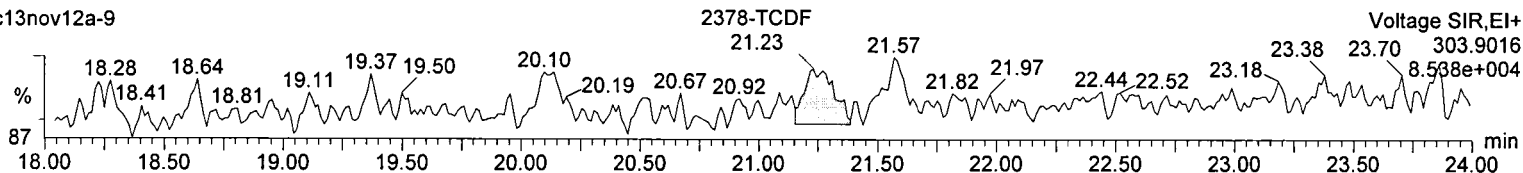
Method: C:\MassLynx\Default.PRO\MethDB\VFxms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-9, ID: 31203251001

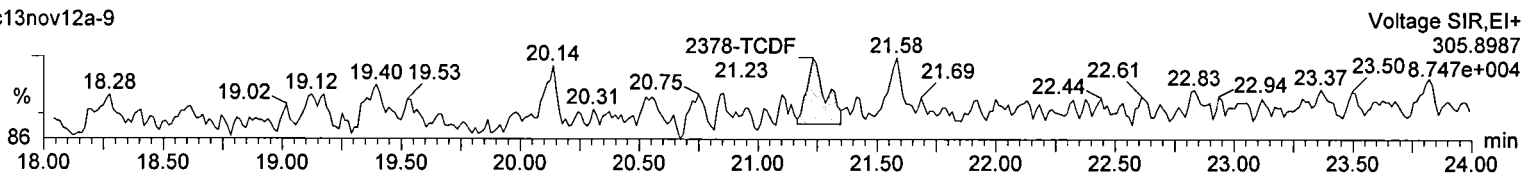
TCDF

c13nov12a-9



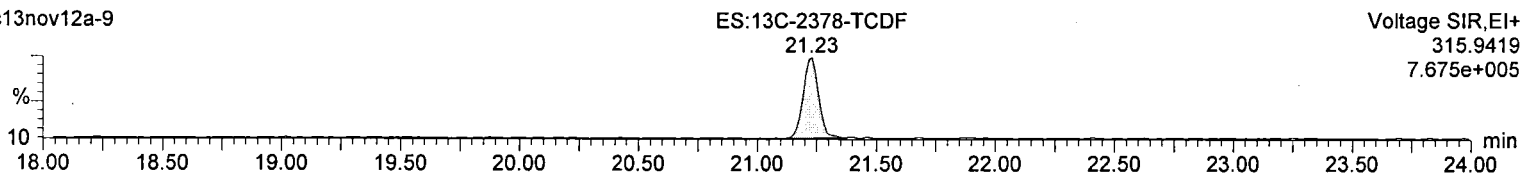
TCDF

c13nov12a-9



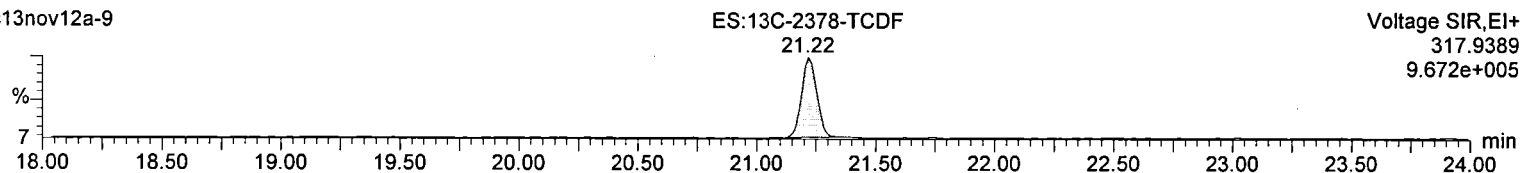
13C-TCDF

c13nov12a-9



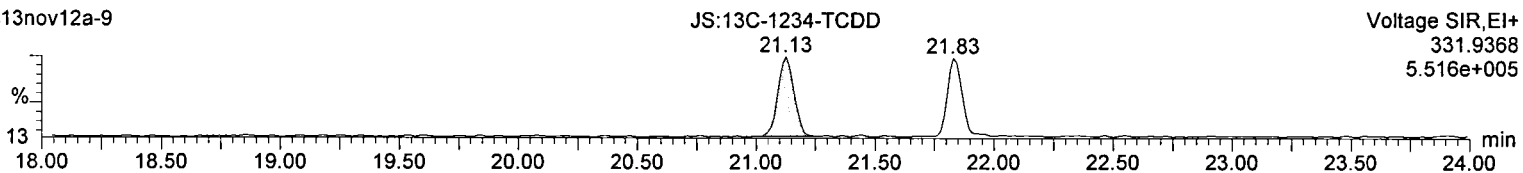
13C-TCDF

c13nov12a-9



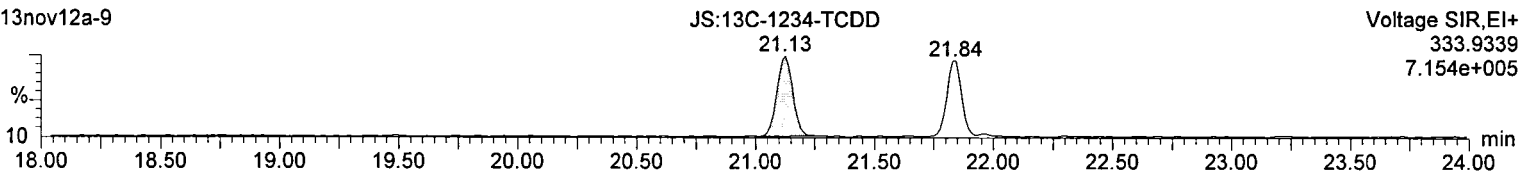
13C-TCDD

c13nov12a-9



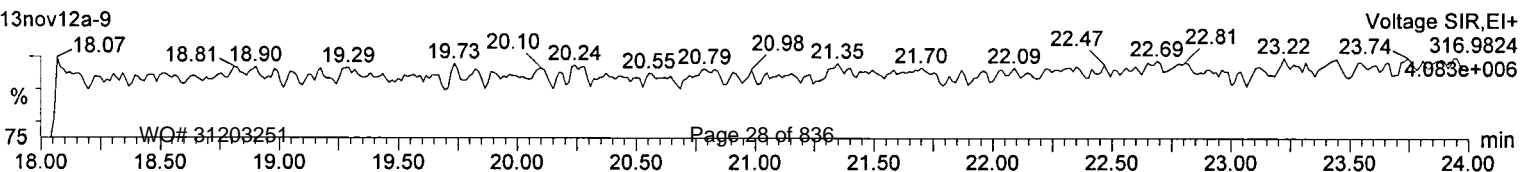
13C-TCDD

c13nov12a-9



F1 Lock Mass

c13nov12a-9



Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time

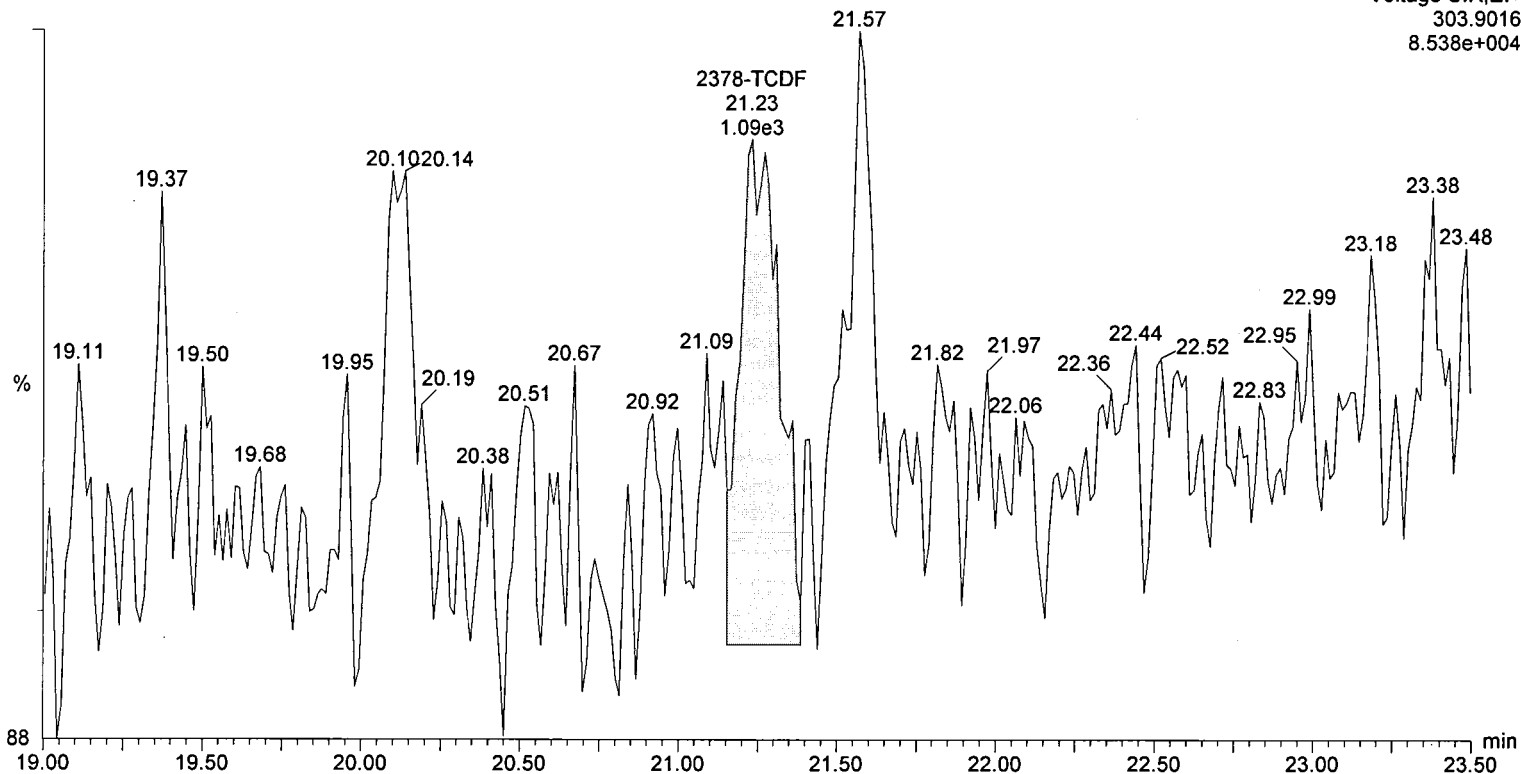
Printed: Wednesday, 11/14/2012 10:59:59 AM Eastern Standard Time

mm
11/14/12

Name: c13nov12a-9, ID: 31203251001

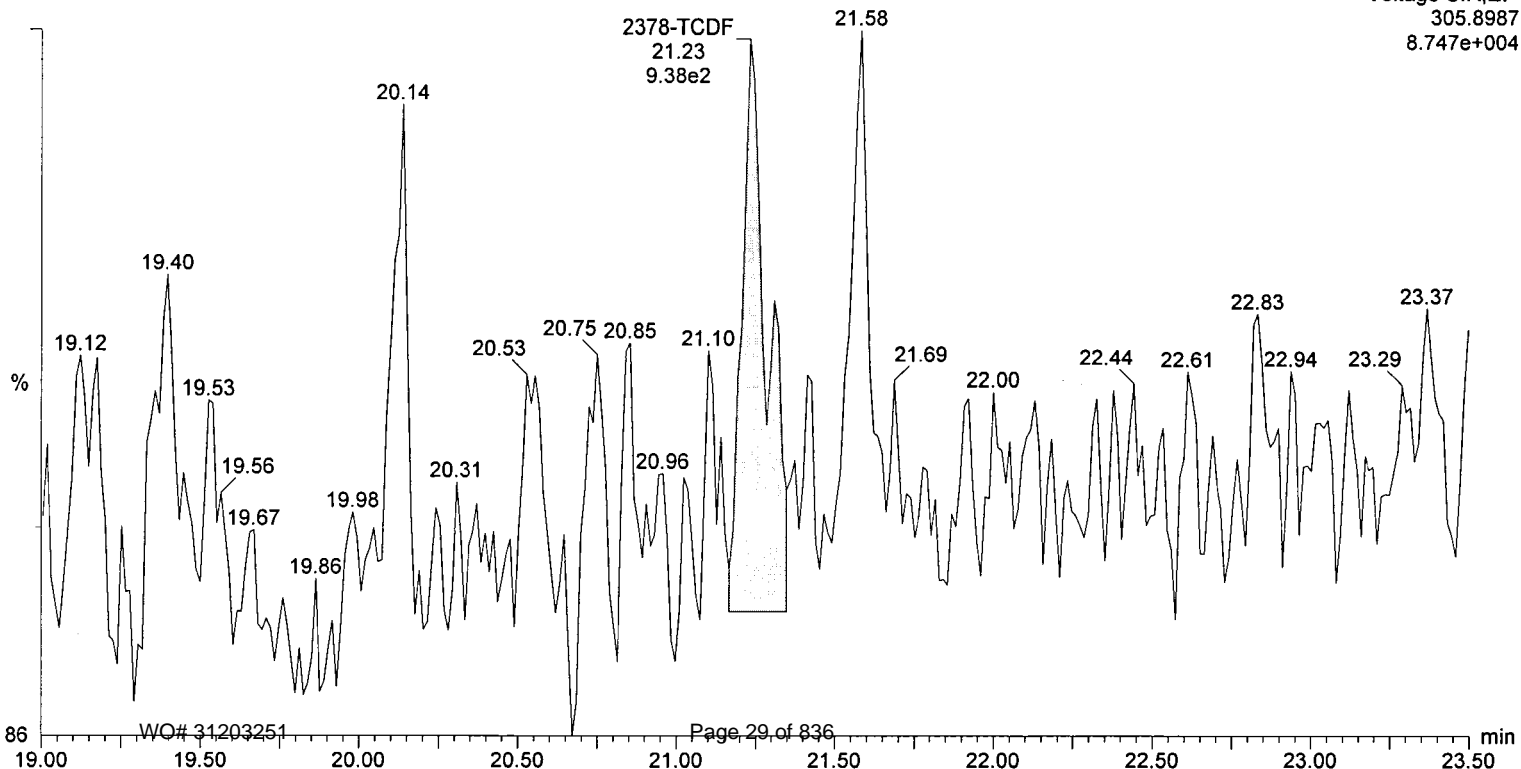
TCDF

c13nov12a-9



TCDF

c13nov12a-9



Results of JW-EA09-SS37-120507

Client Sample ID: **JW-EA09-SS37-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251001-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 13:46
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 72.40

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
1-MoCB	13.7			0.0714	0.991	pg/g	10.44	3.14
2-MoCB	19.7			0.0766	0.991	pg/g	12.29	3.17
3-MoCB	15.8			0.0626	0.991	pg/g	12.45	3.20
4-DiCB	14.3			0.286	0.991	pg/g	12.66	1.55
5-DiCB	1.05			0.350	0.991	pg/g	15.08	1.54
6-DiCB	9.71			0.350	0.991	pg/g	14.81	1.52
7-DiCB	2.02			0.330	0.991	pg/g	14.61	1.48
8-DiCB	53.5			0.334	0.991	pg/g	15.19	1.54
9-DiCB	3.09			0.381	0.991	pg/g	14.45	1.46
10-DiCB	0.932		J	0.206	0.991	pg/g	12.82	1.40
11-DiCB	148			0.324	0.991	pg/g	17.37	1.54
12-DiCB C13	9.65			0.316	1.98	pg/g	17.64	1.56
14-DiCB	0.951		J	0.284	0.991	pg/g	16.64	1.46
15-DiCB	41.2			0.255	0.991	pg/g	17.91	1.57
16-TrCB	47.4			0.119	0.991	pg/g	17.84	1.07
17-TrCB	48.1			0.0898	0.991	pg/g	17.46	1.08
18-TrCB C30	103			0.0779	1.98	pg/g	17.09	1.07
19-TrCB	6.30			0.0980	0.991	pg/g	15.44	1.04
20-TrCB C28	287			0.138	1.98	pg/g	20.53	1.02
21-TrCB C33	107			0.133	1.98	pg/g	20.73	1.02
22-TrCB	82.4			0.144	0.991	pg/g	21.07	1.02
23-TrCB	0.215		J	0.143	0.991	pg/g	19.55	1.16
24-TrCB	ND		U	0.0685	0.991	pg/g		
25-TrCB	16.0			0.138	0.991	pg/g	20.01	1.02
26-TrCB C29	33.3			0.139	1.98	pg/g	19.80	1.02
27-TrCB	8.13			0.0672	0.991	pg/g	17.64	1.05
31-TrCB	227			0.132	0.991	pg/g	20.28	1.01
32-TrCB	39.3			0.0633	0.991	pg/g	18.31	1.08
34-TrCB	1.48			0.152	0.991	pg/g	19.41	0.95
35-TrCB	8.80			0.136	0.991	pg/g	23.62	1.01
36-TrCB	2.17			0.127	0.991	pg/g	22.42	1.01
37-TrCB	73.8			0.116	0.991	pg/g	23.96	1.04
38-TrCB	0.463		J	0.138	0.991	pg/g	23.23	1.18
39-TrCB	1.29			0.123	0.991	pg/g	22.75	0.99
40-TeCB C71	155			0.0815	1.98	pg/g	23.81	0.80
41-TeCB	20.5			0.0973	0.991	pg/g	23.70	0.77
42-TeCB	78.9			0.0886	0.991	pg/g	23.39	0.80
43-TeCB	9.79			0.0961	0.991	pg/g	22.30	0.79
44-TeCB C47/65	328			0.0786	2.97	pg/g	22.95	0.80
45-TeCB	32.0			0.101	0.991	pg/g	20.59	0.81
46-TeCB	11.9			0.103	0.991	pg/g	20.86	0.79
48-TeCB	51.4			0.0832	0.991	pg/g	22.76	0.80

Results of JW-EA09-SS37-120507

Client Sample ID: **JW-EA09-SS37-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251001-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 13:46
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 72.40

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
49-TeCB C69	195			0.0687	1.98	pg/g	22.52	0.79
50-TeCB C53	33.5			0.0839	1.98	pg/g	20.02	0.80
51-TeCB	7.54			0.0798	0.991	pg/g	20.67	0.82
52-TeCB	469			0.0843	0.991	pg/g	22.10	0.78
54-TeCB	0.221		J	0.0556	0.991	pg/g	18.14	0.88
55-TeCB	ND		U	0.202	0.991	pg/g		
56-TeCB	170			0.204	0.991	pg/g	27.02	0.79
57-TeCB	ND		U	0.197	0.991	pg/g		
58-TeCB	1.67			0.195	0.991	pg/g	25.53	0.76
59-TeCB C62/75	22.1			0.0610	2.97	pg/g	23.23	0.79
60-TeCB	87.0			0.192	0.991	pg/g	27.21	0.76
61-TeCB C70/74/76	672			0.187	3.96	pg/g	26.20	0.78
63-TeCB	13.0			0.175	0.991	pg/g	25.91	0.78
64-TeCB	125			0.0569	0.991	pg/g	24.00	0.80
66-TeCB	391			0.195	0.991	pg/g	26.47	0.78
67-TeCB	9.81			0.186	0.991	pg/g	25.69	0.78
68-TeCB	2.87			0.173	0.991	pg/g	24.98	0.77
72-TeCB	5.23			0.198	0.991	pg/g	24.74	0.78
73-TeCB	ND		U	0.0644	0.991	pg/g		
77-TeCB	33.0			0.153	0.991	pg/g	30.15	0.79
78-TeCB	ND		U	0.196	0.991	pg/g		
79-TeCB	2.96			0.171	0.991	pg/g	28.84	0.73
80-TeCB	ND		U	0.170	0.991	pg/g		
81-TeCB	1.23			0.162	0.991	pg/g	29.68	0.81
82-PeCB	53.5			0.486	0.991	pg/g	29.83	0.63
83-PeCB	27.6			0.511	0.991	pg/g	28.31	0.62
84-PeCB	121			0.485	0.991	pg/g	26.34	0.62
85-PeCB C116	85.2			0.321	1.98	pg/g	29.44	0.62
86-PeCB C108/119/125/87/97	337			0.357	5.95	pg/g	28.88	0.62
88-PeCB	ND		U	0.531	0.991	pg/g		
89-PeCB	6.31			0.455	0.991	pg/g	26.75	0.63
90-PeCB C101/113	593			0.363	2.97	pg/g	27.93	0.62
91-PeCB	58.3			0.392	0.991	pg/g	26.17	0.61
92-PeCB	109			0.429	0.991	pg/g	27.44	0.62
93-PeCB C100	3.47			0.402	1.98	pg/g	25.62	0.63
94-PeCB	3.07			0.446	0.991	pg/g	25.05	0.64
95-PeCB	445			0.417	0.991	pg/g	25.43	0.62
96-PeCB	2.20			0.0608	0.991	pg/g	23.20	0.61
98-PeCB	ND		U	0.431	0.991	pg/g		
99-PeCB	254			0.367	0.991	pg/g	28.42	0.63
102-PeCB	23.9			0.404	0.991	pg/g	25.74	0.62
103-PeCB	5.85			0.384	0.991	pg/g	24.88	0.66

Results of **JW-EA09-SS37-120507**

Client Sample ID: **JW-EA09-SS37-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251001-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 13:46
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 72.40

Results by **EPA 1668B**

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
104-PeCB	ND		U	0.0480	0.991	pg/g		
105-PeCB	175			0.300	0.991	pg/g	33.09	0.62
106-PeCB	ND		U	0.315	0.991	pg/g		
107-PeCB C124	14.7			0.309	1.98	pg/g	31.54	0.60
109-PeCB	34.8			0.290	0.991	pg/g	31.75	0.62
111-PeCB	0.630		J	0.289	0.991	pg/g	30.21	0.55
110-PeCB	543			0.298	0.991	pg/g	29.58	0.62
112-PeCB	ND		U	0.307	0.991	pg/g		
114-PeCB	7.90			0.288	0.991	pg/g	32.56	0.61
115-PeCB	ND		U	0.319	0.991	pg/g		
117-PeCB	ND		U	0.392	0.991	pg/g		
118-PeCB	398			0.293	0.991	pg/g	32.12	0.62
120-PeCB	2.59			0.287	0.991	pg/g	30.60	0.60
121-PeCB	ND		U	0.299	0.991	pg/g		
122-PeCB	4.59			0.338	0.991	pg/g	32.39	0.62
123-PeCB	5.02			0.275	0.991	pg/g	31.85	0.62
126-PeCB	1.61			0.111	0.991	pg/g	35.69	0.56
127-PeCB	ND		U	0.302	0.991	pg/g		
128-HxCB C166	67.1			0.171	1.98	pg/g	35.78	1.24
129-HxCB C138/163	444			0.0624	2.97	pg/g	34.73	1.25
130-HxCB	28.3			0.0753	0.991	pg/g	34.18	1.25
131-HxCB	4.14			0.0734	0.991	pg/g	31.81	1.24
132-HxCB	121			0.0713	0.991	pg/g	32.18	1.25
133-HxCB	7.14			0.0687	0.991	pg/g	32.63	1.33
134-HxCB	23.9			0.0806	0.991	pg/g	31.31	1.29
135-HxCB C151	140			0.0662	1.98	pg/g	30.37	1.27
136-HxCB	51.8			0.0517	0.991	pg/g	28.32	1.28
137-HxCB	13.9			0.0691	0.991	pg/g	34.37	1.26
139-HxCB C140	5.92			0.0627	1.98	pg/g	31.65	1.19
141-HxCB	64.9			0.0653	0.991	pg/g	33.85	1.25
142-HxCB	ND		U	0.0720	0.991	pg/g		
143-HxCB	ND		U	0.0658	0.991	pg/g		
144-HxCB	18.8			0.0640	0.991	pg/g	30.84	1.25
145-HxCB	ND		U	0.0502	0.991	pg/g		
146-HxCB	62.8			0.0617	0.991	pg/g	33.17	1.27
147-HxCB C149	325			0.0642	1.98	pg/g	31.13	1.27
148-HxCB	0.711		J	0.0643	0.991	pg/g	29.88	1.10
150-HxCB	0.484		J	0.0475	0.991	pg/g	28.04	1.16
152-HxCB	0.278		J	0.0488	0.991	pg/g	27.88	1.11
153-HxCB C168	357			0.0515	1.98	pg/g	33.69	1.26
154-HxCB	4.86			0.0581	0.991	pg/g	30.59	1.25
155-HxCB	ND		U	0.0439	0.991	pg/g		

Results of **JW-EA09-SS37-120507**

Client Sample ID: **JW-EA09-SS37-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251001-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 13:46
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 72.40

Results by **EPA 1668B**

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
156-HxCB C157	44.3			0.161	1.98	pg/g	38.21	1.21
158-HxCB	41.1			0.0481	0.991	pg/g	35.06	1.27
159-HxCB	ND		U	0.145	0.991	pg/g		
160-HxCB	ND		U	0.0531	0.991	pg/g		
161-HxCB	ND		U	0.0501	0.991	pg/g		
162-HxCB	1.13			0.139	0.991	pg/g	36.86	1.26
164-HxCB	28.5			0.0530	0.991	pg/g	34.46	1.26
165-HxCB	ND		U	0.0552	0.991	pg/g		
167-HxCB	13.7			0.129	0.991	pg/g	37.27	1.24
169-HxCB	ND		U	0.165	0.991	pg/g		
170-HpCB	102			0.137	0.991	pg/g	40.43	1.06
171-HpCB C173	26.0			0.107	1.98	pg/g	37.47	1.06
172-HpCB	16.2			0.126	0.991	pg/g	38.84	1.07
174-HpCB	80.5			0.107	0.991	pg/g	36.57	1.06
175-HpCB	3.59			0.0993	0.991	pg/g	35.65	1.07
176-HpCB	9.84			0.0529	0.991	pg/g	33.56	1.08
177-HpCB	53.0			0.108	0.991	pg/g	36.94	1.03
178-HpCB	20.3			0.0775	0.991	pg/g	35.11	1.05
179-HpCB	35.9			0.0570	0.991	pg/g	32.82	1.05
180-HpCB C193	214			0.110	1.98	pg/g	39.39	1.06
181-HpCB	0.591		J	0.0938	0.991	pg/g	37.28	1.00
182-HpCB	ND		U	0.0901	0.991	pg/g		
183-HpCB	53.4			0.0875	0.991	pg/g	36.40	1.05
184-HpCB	ND		U	0.0587	0.991	pg/g		
185-HpCB	ND		U	0.0953	0.991	pg/g		
186-HpCB	ND		U	0.0564	0.991	pg/g		
187-HpCB	109			0.0930	0.991	pg/g	35.88	1.03
188-HpCB	0.156		J	0.0547	0.991	pg/g	32.56	1.06
189-HpCB	3.36			0.111	0.991	pg/g	43.06	0.98
190-HpCB	15.7			0.0952	0.991	pg/g	40.88	1.06
191-HpCB	3.94			0.0927	0.991	pg/g	39.69	1.06
192-HpCB	ND		U	0.0960	0.991	pg/g		
194-OcCB	46.0			0.214	0.991	pg/g	44.81	0.92
195-OcCB	16.2			0.230	0.991	pg/g	42.84	0.91
196-OcCB	21.6			0.148	0.991	pg/g	41.58	0.90
197-OcCB	0.896		J	0.100	0.991	pg/g	38.57	0.95
198-OcCB C199	46.4			0.151	1.98	pg/g	41.03	0.91
200-OcCB	4.19			0.110	0.991	pg/g	38.65	0.94
201-OcCB	5.51			0.104	0.991	pg/g	37.83	0.93
202-OcCB	10.5			0.116	0.991	pg/g	37.06	0.93
203-OcCB	30.5			0.140	0.991	pg/g	41.75	0.90
204-OcCB	ND		U	0.110	0.991	pg/g		

Results of JW-EA09-SS37-120507

Client Sample ID: **JW-EA09-SS37-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251001-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 13:46
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 72.40

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
205-OcCB	1.77			0.157	0.991	pg/g	45.21	0.89
206-NoCB	19.5			0.136	0.991	pg/g	46.66	0.77
207-NoCB	2.84			0.108	0.991	pg/g	43.43	0.77
208-NoCB	6.30			0.0979	0.991	pg/g	42.65	0.77
209-DeCB	18.3			0.156	0.991	pg/g	48.00	1.17
Total Monochlorobiphenyls	49.3			0.0670		pg/g		
Total Dichlorobiphenyls	284			0.271		pg/g		
Total Trichlorobiphenyls	1090			0.107		pg/g		
Total Tetrachlorobiphenyls	2930			0.108		pg/g		
Total Pentachlorobiphenyls	3320			0.219		pg/g		
Total Hexachlorobiphenyls	1870			0.125		pg/g		
Total Heptachlorobiphenyls	748			0.0977		pg/g		
Total Octachlorobiphenyls	184			0.136		pg/g		
Total Nonachlorobiphenyls	28.6			0.117		pg/g		
Total Decachlorobiphenyl	18.3			0.156		pg/g		
Total PCBs	10500			0.271		pg/g		

World Health Organization Summary

	<u>Units</u>	<u>ND=0</u>	<u>ND=½</u>	<u>ND=DL</u>
WHO-2005 TEQ	pg/g	0.184	0.187	0.189
WHO-2005 TEQ w/EMPC	pg/g	0.184	0.187	0.189

Results of JW-EA09-SS37-120507

Client Sample ID: **JW-EA09-SS37-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251001-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 13:46
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 72.40

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
1L-MoCB	56.0				4.00-100	%		
3L-MoCB	74.0				11.0-106	%		
4L-DiCB	98.0				14.0-107	%		
15L-DiCB	88.0				19.0-107	%		
19L-TrCB	94.0				1.00-108	%		
37L-TrCB	85.0				25.0-123	%		
54L-TeCB	96.0				13.0-105	%		
77L-TeCB	79.0				31.0-109	%		
81L-TeCB	77.0				14.0-127	%		
104L-PeCB	101				36.0-115	%		
105L-PeCB	78.0				50.0-111	%		
114L-PeCB	78.0				41.0-121	%		
118L-PeCB	78.0				49.0-111	%		
123L-PeCB	79.0				49.0-116	%		
126L-PeCB	72.0				50.0-106	%		
155L-HxCB	99.0				25.0-124	%		
156L-HxCB C157L	81.0				40.0-120	%		
167L-HxCB	79.0				45.0-118	%		
169L-HxCB	68.0				37.0-117	%		
188L-HpCB	88.0				23.0-125	%		
189L-HpCB	92.0				47.0-116	%		
202L-OcCB	84.0				31.0-134	%		
205L-OcCB	93.0				46.0-115	%		
206L-NoCB	114				38.0-122	%		
208L-NoCB	101				31.0-126	%		
209L-DeCB	84.0				43.0-115	%		
28L-TrCB	89.0				14.0-131	%		
111L-PeCB	93.0				57.0-112	%		
178L-HpCB	95.0				57.0-125	%		

Batch Information

Analytical Batch: **HRP1312**
 Analytical Method: **EPA 1668B**
 Instrument: **APHRMS**
 Analyst: **LKB**
 Analytical Date/Time: **10/24/2012 11:56**

Prep Batch: **HXX1817**
 Prep Method: **EPA 1668B PREP S/D/T**
 Prep Date/Time: **10/16/2012 15:56**
 Prep Initial Wt./Vol.: **13.94 g**
 Prep Extract Vol: **20 uL**

Lab ID: A4723_10237_PCB_005

ACQ: 24-Oct-2012 23:56:33 LKB

Wt/Vol: 10.09 g

ICAL: MM7_PCB_07132012_25JUL12 CS3_121024_PCB_XC

Client ID: JW-EA09-SS37-120507

UTP: 30-Oct-2012 10:08 CEM

J-level: 0.991 pg/g Split: 1

Checkcode: 985-278-MKS

Datafile: 121024X23

RPT: 30-Oct-2012 10:39 CM

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB



Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.15		1.0006	1.0006	0	1.62E+07	0.79	1.13	33	6.91E+03	0.153
PCB-81 344'5'-TeCB	29.68		1.0006	1.0005	-0.2	5.60E+05	0.81	1.13	1.23	6.91E+03	0.162
PCB-105 233'44'-PeCB	33.09		1.0007	1.0007	0	6.04E+07	0.62	1.09	175	9.61E+03	0.3
PCB-114 2344'5'-PeCB	32.56		1.0007	1.0007	0	2.92E+06	0.61	1.16	7.9	9.61E+03	0.288
PCB-118 23'44'5'-PeCB	32.12		1.0007	1.0007	0	1.43E+08	0.62	1.11	398	9.61E+03	0.293
PCB-123 23'44'5'-PeCB	31.85		1.0006	1.0010	+0.8	1.88E+06	0.62	1.19	5.02	9.61E+03	0.275
PCB-126 33'44'5'-PeCB	35.69		1.0005	1.0003	-0.4	4.79E+05	0.56	1.06	1.61	2.89E+03	0.111
PCB-156/157 ...-HxCB	38.21	C	1.0005	1.0002	-0.7	1.44E+07	1.21	1.11	44.3	3.79E+03	0.161
PCB-167 23'44'55'-HxCB	37.27		1.0006	1.0005	-0.2	4.58E+06	1.24	1.14	13.7	3.79E+03	0.129
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.11	ND	3.79E+03	0.165
PCB-189 233'44'55'-HpCB	43.06		1.0004	1.0004	0	9.18E+05	0.98	1.06	3.36	2.61E+03	0.111
PCB-209 DeCB	48.00		1.0004	1.0004	0	3.11E+06	1.17	1.07	18.3	1.92E+03	0.156
ES PCB-1	10.42		0.7215	0.7219	+0.3	8.30E+07	3.22	1.08	56.2 %	25%	150%
ES PCB-3	12.44		0.8608	0.8613	+0.4	1.10E+08	3.18	1.08	74.4 %	25%	150%
ES PCB-4	12.65		0.8756	0.8757	+0.1	6.53E+07	1.59	0.49	97.9 %	25%	150%
ES PCB-15	17.89		1.2386	1.2391	+0.5	1.34E+08	1.56	1.11	88.2 %	25%	150%
ES PCB-19	15.43		1.0685	1.0683	-0.2	7.11E+07	1.06	0.55	94 %	25%	150%
ES PCB-37	23.94		1.0840	1.0845	+0.7	1.11E+08	1.08	1.64	84.6 %	25%	150%
ES PCB-54	18.12		0.8214	0.8209	-0.5	7.26E+07	0.79	0.94	96.1 %	25%	150%
ES PCB-77	30.14		1.3640	1.3651	+2.0	8.59E+07	0.79	1.35	79.3 %	25%	150%
ES PCB-81	29.67		1.3429	1.3439	+1.8	8.00E+07	0.78	1.29	77.4 %	25%	150%
ES PCB-104	22.89		0.8204	0.8201	-0.4	6.50E+07	1.62	0.99	101 %	25%	150%
ES PCB-105	33.07		1.1846	1.1850	+0.8	6.27E+07	1.60	1.23	78.4 %	25%	150%
ES PCB-114	32.54		1.1656	1.1660	+0.8	6.31E+07	1.61	1.25	78.1 %	25%	150%
ES PCB-118	32.10		1.1496	1.1501	+1.0	6.45E+07	1.61	1.28	77.6 %	25%	150%
ES PCB-123	31.82		1.1397	1.1402	+1.0	6.23E+07	1.60	1.22	78.9 %	25%	150%
ES PCB-126	35.68		1.2777	1.2786	+1.9	5.56E+07	1.59	1.20	71.6 %	25%	150%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	27.73		0.7994	0.7990	-0.7	7.29E+07	1.31	1.50	99 %	25%	150%
ES PCB-156/157	38.20		1.1005	1.1008	+0.7	1.16E+08	1.30	1.45	81.3 %	25%	150%
ES PCB-167	37.25		1.0730	1.0733	+0.7	5.83E+07	1.30	1.49	79.2 %	25%	150%
ES PCB-169	40.93		1.1787	1.1793	+1.5	4.70E+07	1.31	1.40	67.9 %	25%	150%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	32.53		0.7268	0.7263	-1.0	5.12E+07	1.09	1.18	88.3 %	25%	150%
ES PCB-189	43.04		0.9608	0.9608	0	5.12E+07	1.05	1.49	92.4 %	25%	150%
ES PCB-202	37.03		0.8272	0.8268	-0.9	4.73E+07	0.92	1.14	84.4 %	25%	150%
ES PCB-205	45.19		1.0089	1.0088	-0.3	4.17E+07	0.90	1.20	93.1 %	25%	150%
ES PCB-206	46.65		1.0413	1.0414	+0.3	3.71E+07	0.80	0.87	114 %	25%	150%
ES PCB-208	42.63		0.9520	0.9516	-1.0	4.47E+07	0.80	1.19	101 %	25%	150%
ES PCB-209	47.98		1.0714	1.0711	-0.9	3.14E+07	1.20	1.00	84.1 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	20.51		0.9294	0.9293	-0.1	1.25E+08	1.05	1.07	105 %	30%	135%
SS PCB-111	30.19	NA	1.0814	1.0817	+0.5	7.35E+07	1.59	1.01	117 %	30%	135%
SS PCB-178	35.09		1.0112	1.0112	0	3.45E+07	1.09	0.63	107 %	30%	135%
CS PCB-28	20.51		0.9294	0.9293	-0.1	1.25E+08	1.05	1.76	88.8 %	30%	135%
CS PCB-111	30.19		1.0814	1.0817	+0.5	7.35E+07	1.59	1.23	92.6 %	30%	135%
CS PCB-178	35.09		1.0112	1.0112	0	3.45E+07	1.09	0.74	94.7 %	30%	135%

JS PCB-9	14.44					1.37E+08	1.55				
JS PCB-52	22.08					8.04E+07	0.79				
JS PCB-101	27.91					6.48E+07	1.59				
JS PCB-138	34.70					4.92E+07	1.29				
JS PCB-194	44.79					3.73E+07	0.91				

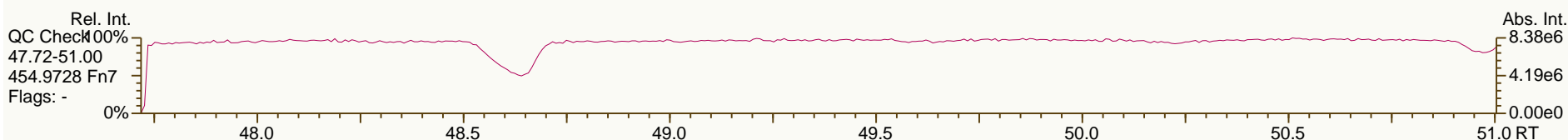
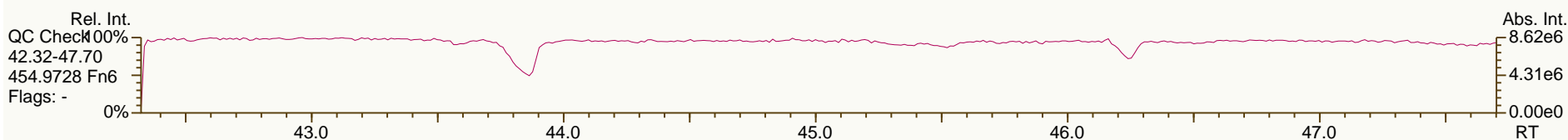
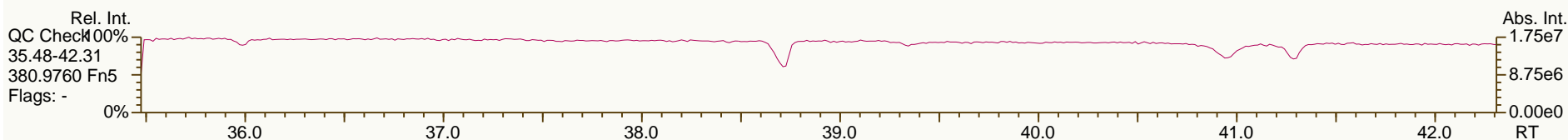
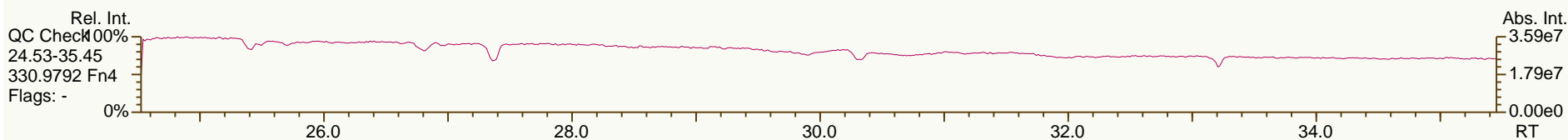
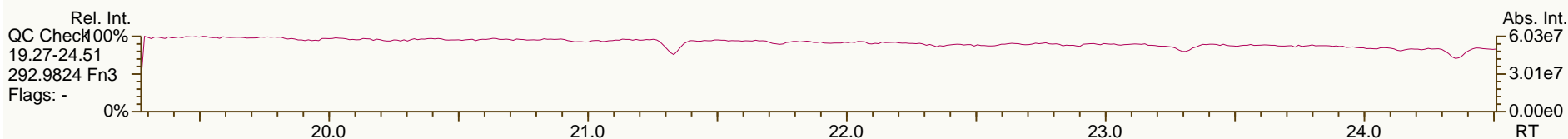
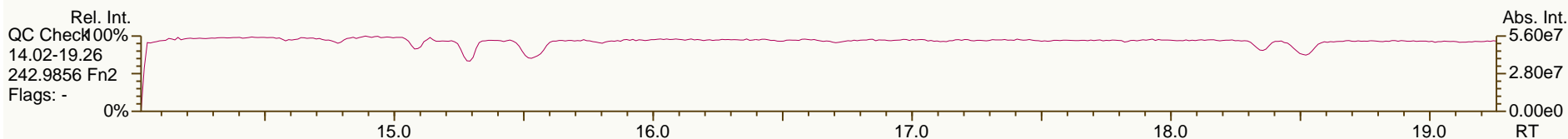
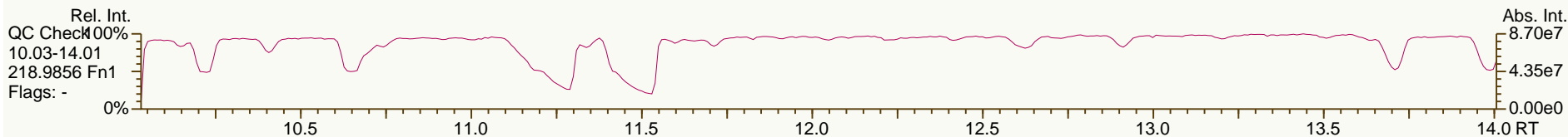
	Totals	NON-EMPC	EMPC	DL
	Mono-CBs	49.3	49.3	0.067
	Di-CBs	284	284	0.271
	Tri-CBs	1,090	1,090	0.107
	Tetra-CBs	2,930	2,930	0.108
	Penta-CBs	3,320	3,320	0.219
	Hexa-CBs	1,870	1,870	0.125
	Hepta-CBs	748	748	0.0977
	Octa-CBs	184	184	0.136
	Nona-CBs	28.6	28.6	0.117

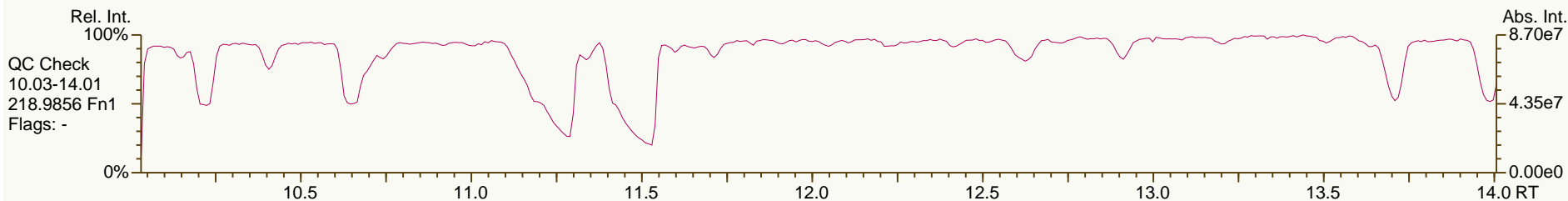
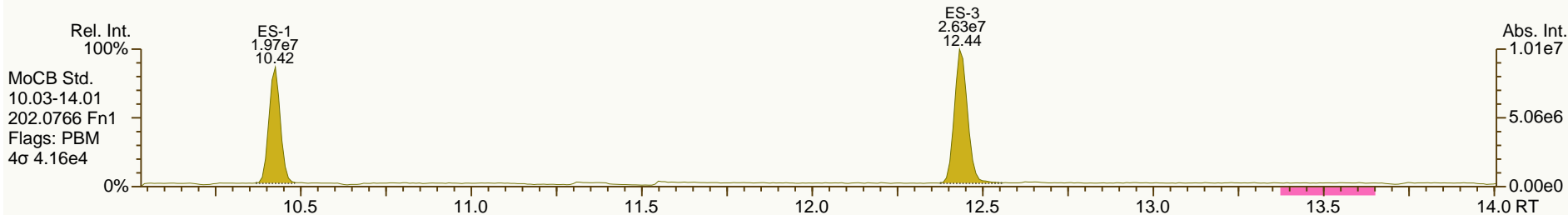
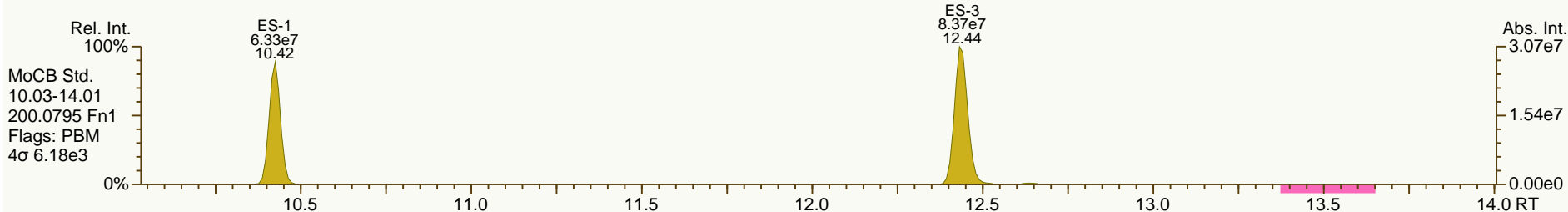
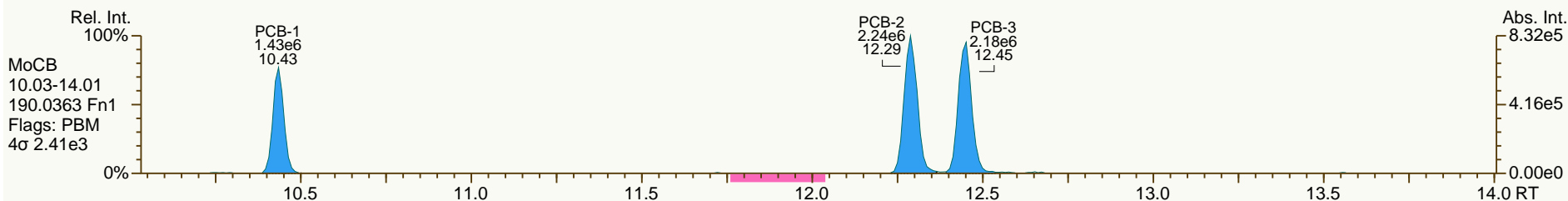
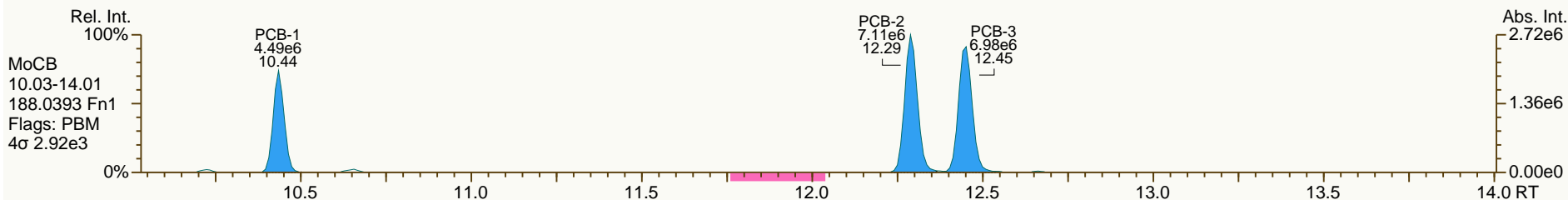
PCB-1 2-MoCB	10.44		1.0011	1.0011	0	5.92E+06	3.14	1.03	13.7	5.33E+03	0.0714
PCB-2 3-MoCB	12.29		0.9879	0.9882	+0.2	9.35E+06	3.17	0.85	19.7	5.33E+03	0.0766
PCB-3 4-MoCB	12.45		1.0010	1.0010	0	9.17E+06	3.20	1.04	15.8	5.33E+03	0.0626
PCB-4 22'-DiCB	12.66		1.0011	1.0011	0	5.49E+06	1.55	1.17	14.3	1.64E+04	0.286
PCB-10 26'-DiCB	12.82	J	1.0139	1.0137	-0.2	5.00E+05	1.40	1.63	0.932	1.64E+04	0.206
PCB-9 25'-DiCB	14.45		1.0011	1.0009	-0.2	1.51E+06	1.46	0.72	3.09	2.01E+04	0.381
PCB-7 24'-DiCB	14.61	B	1.0114	1.0114	0	1.14E+06	1.48	0.84	2.02	2.01E+04	0.33
PCB-6 23'-DiCB	14.81		1.0255	1.0254	-0.1	5.16E+06	1.52	0.79	9.71	2.01E+04	0.35
PCB-5 23'-DiCB	15.08		1.0443	1.0440	-0.3	5.56E+05	1.54	0.79	1.05	2.01E+04	0.35
PCB-8 24'-DiCB	15.19		1.0522	1.0521	-0.1	2.97E+07	1.54	0.82	53.5	2.01E+04	0.334
PCB-14 35'-DiCB	16.64	J	0.9304	0.9302	-0.2	6.22E+05	1.46	0.97	0.951	2.01E+04	0.284
PCB-11 33'-DiCB	17.37		0.9708	0.9707	-0.1	8.49E+07	1.54	0.85	148	2.01E+04	0.324
PCB-13/12 34'/34'-DiCB	17.64	C	0.9858	0.9856	-0.2	5.67E+06	1.56	0.87	9.65	2.01E+04	0.316
PCB-15 44'-DiCB	17.91		1.0008	1.0008	0	3.00E+07	1.57	1.08	41.2	2.01E+04	0.255
PCB-19 22'6-TrCB	15.44		1.0011	1.0011	0	2.47E+06	1.04	1.09	6.3	4.63E+03	0.098
PCB-30/18 246/22'5-TrCB	17.09	C	1.1076	1.1081	+0.5	5.09E+07	1.07	1.38	103	4.63E+03	0.0779
PCB-17 22'4-TrCB	17.46		1.1316	1.1318	+0.2	2.06E+07	1.08	1.19	48.1	4.63E+03	0.0898
PCB-27 23'6-TrCB	17.64		1.1433	1.1435	+0.2	4.65E+06	1.05	1.60	8.13	4.63E+03	0.0672
PCB-24 236-TrCB	NotFnd		1.1512	-		0.00E+00		1.56	ND	4.63E+03	0.0685
PCB-16 22'3-TrCB	17.84		1.1566	1.1566	0	1.53E+07	1.07	0.90	47.4	4.63E+03	0.119

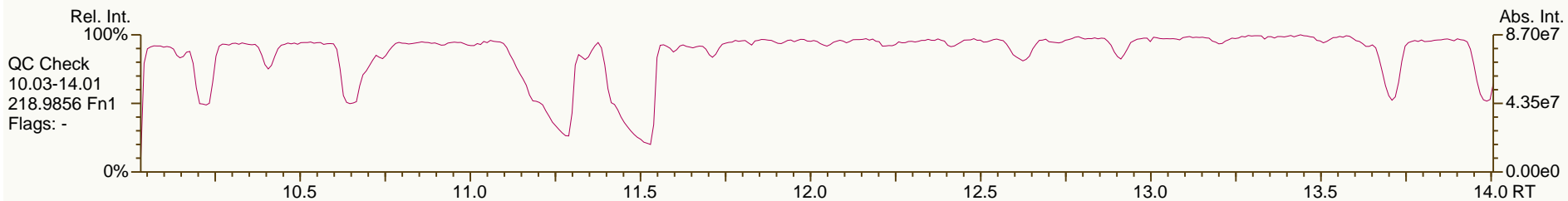
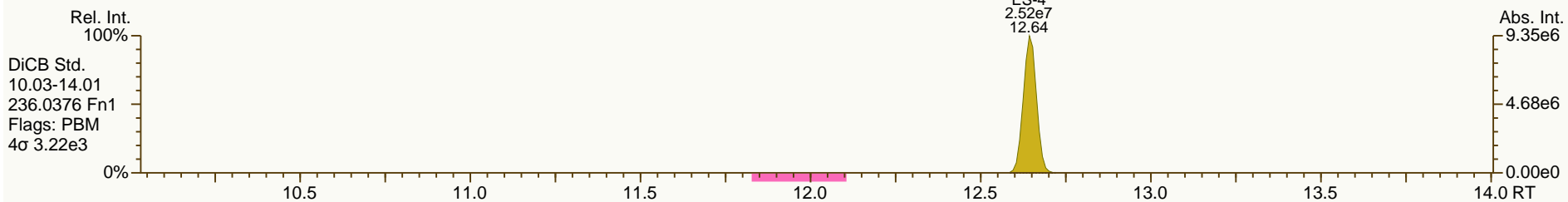
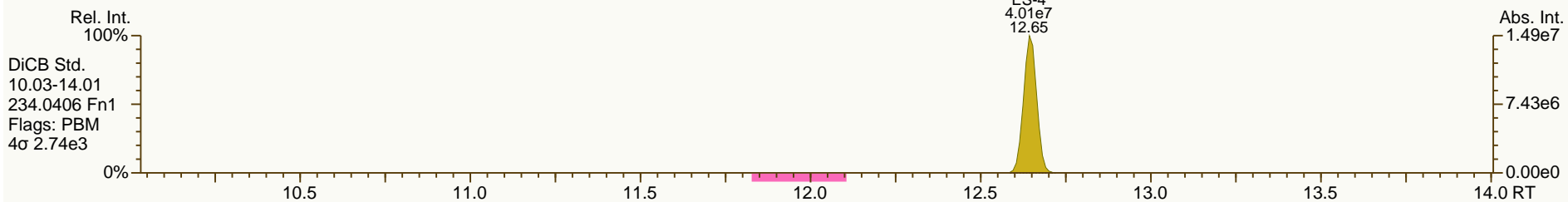
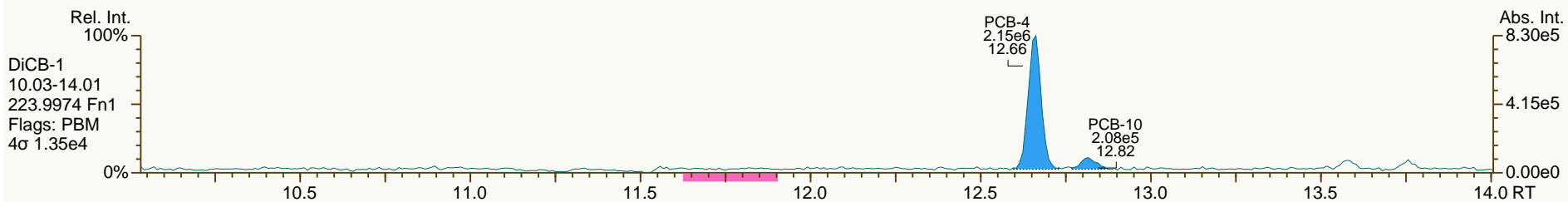
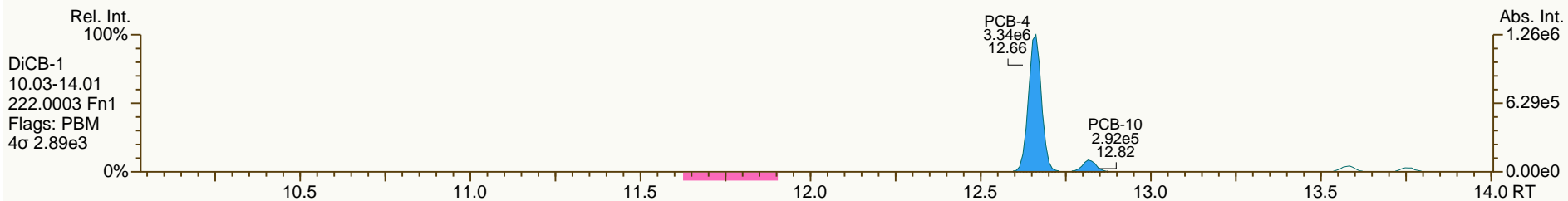
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	18.31		1.1863	1.1865	+0.2	2.39E+07	1.08	1.69	39.3	4.63E+03	0.0633
PCB-34 23'5'-TrCB	19.41		0.8114	0.8109	-0.6	6.98E+05	0.95	0.84	1.48	6.94E+03	0.152
PCB-23 235-TrCB	19.55	J	0.8172	0.8166	-0.7	1.08E+05	1.16	0.90	0.215	6.94E+03	0.143
PCB-26/29 23'5'/245-TrCB	19.80	C	0.8285	0.8272	-1.5	1.71E+07	1.02	0.92	33.3	6.94E+03	0.139
PCB-25 23'4-TrCB	20.01		0.8363	0.8358	-0.6	8.30E+06	1.02	0.92	16	6.94E+03	0.138
PCB-31 24'5-TrCB	20.28		0.8474	0.8470	-0.5	1.23E+08	1.01	0.97	227	6.94E+03	0.132
PCB-28/20 244'/233'-TrCB	20.53	C	0.8584	0.8577	-0.9	1.49E+08	1.02	0.93	287	6.94E+03	0.138
PCB-21/33 234/23'4'-TrCB	20.73	C	0.8653	0.8660	+0.9	5.80E+07	1.02	0.96	107	6.94E+03	0.133
PCB-22 234'-TrCB	21.07		0.8804	0.8800	-0.5	4.11E+07	1.02	0.89	82.4	6.94E+03	0.144
PCB-36 33'5-TrCB	22.42		0.9368	0.9366	-0.3	1.23E+06	1.01	1.01	2.17	6.94E+03	0.127
PCB-39 34'5-TrCB	22.75		0.9495	0.9501	+0.8	7.52E+05	0.99	1.04	1.29	6.94E+03	0.123
PCB-38 345-TrCB	23.23	J	0.9702	0.9703	+0.1	2.40E+05	1.18	0.93	0.463	6.94E+03	0.138
PCB-35 33'4-TrCB	23.62		0.9864	0.9866	+0.3	4.64E+06	1.01	0.94	8.8	6.94E+03	0.136
PCB-37 344'-TrCB	23.96		1.0008	1.0008	0	4.57E+07	1.04	1.10	73.8	6.94E+03	0.116
PCB-54 22'66'-TeCB	18.14	J	1.0010	1.0011	+0.1	9.79E+04	0.88	1.21	0.221	2.67E+03	0.0556
PCB-50/53 22'46/22'56'-TeCB	20.02	C	0.9082	0.9068	-1.7	1.04E+07	0.80	0.77	33.5	2.45E+03	0.0839
PCB-45 22'36-TeCB	20.59		0.9329	0.9329	0	8.29E+06	0.81	0.64	32	2.45E+03	0.101
PCB-51 22'46'-TeCB	20.67		0.9364	0.9364	0	2.47E+06	0.82	0.81	7.54	2.45E+03	0.0798
PCB-46 22'36'-TeCB	20.86		0.9450	0.9448	-0.3	3.03E+06	0.79	0.63	11.9	2.45E+03	0.103
PCB-52 22'55'-TeCB	22.10		1.0010	1.0010	0	1.46E+08	0.78	0.77	469	2.45E+03	0.0843
PCB-73 23'5'6-TeCB	NotFnd		1.0066	-		0.00E+00		1.00	ND	2.45E+03	0.0644
PCB-43 22'35-TeCB	22.30		1.0103	1.0101	-0.3	2.66E+06	0.79	0.67	9.79	2.45E+03	0.0961
PCB-69/49 23'46/22'45'-TeCB	22.52	C	1.0192	1.0200	+1.1	7.43E+07	0.79	0.94	195	2.45E+03	0.0687
PCB-48 22'45-TeCB	22.76		1.0310	1.0311	+0.1	1.62E+07	0.80	0.78	51.4	2.45E+03	0.0832
PCB-44/47/65 ...-TeCB	22.95	C	1.0405	1.0395	-1.4	1.09E+08	0.80	0.82	328	2.45E+03	0.0786
PCB-59/62/75 ...-TeCB	23.23	C	1.0525	1.0523	-0.3	9.49E+06	0.79	1.06	22.1	2.45E+03	0.061
PCB-42 22'34'-TeCB	23.39		1.0594	1.0595	+0.1	2.33E+07	0.80	0.73	78.9	2.45E+03	0.0886
PCB-41 22'34-TeCB	23.70		1.0737	1.0736	-0.1	5.50E+06	0.77	0.66	20.5	2.45E+03	0.0973
PCB-71/40 23'4'6/22'33'-TeCB	23.81	C	1.0781	1.0783	+0.3	4.99E+07	0.80	0.79	155	2.45E+03	0.0815
PCB-64 234'6-TeCB	24.00		1.0870	1.0873	+0.4	5.75E+07	0.80	1.14	125	2.45E+03	0.0569
PCB-72 23'55'-TeCB	24.74		0.8340	0.8338	-0.3	1.95E+06	0.78	0.92	5.23	6.91E+03	0.198
PCB-68 23'45'-TeCB	24.98		0.8423	0.8420	-0.4	1.23E+06	0.77	1.06	2.87	6.91E+03	0.173
PCB-57 233'5-TeCB	NotFnd		0.8542	-		0.00E+00		0.93	ND	6.91E+03	0.197
PCB-58 233'5'-TeCB	25.53		0.8607	0.8607	0	6.33E+05	0.76	0.94	1.67	6.91E+03	0.195
PCB-67 23'45-TeCB	25.69		0.8659	0.8659	0	3.90E+06	0.78	0.98	9.81	6.91E+03	0.186
PCB-63 234'5-TeCB	25.91		0.8733	0.8734	+0.2	5.47E+06	0.78	1.04	13	6.91E+03	0.175
PCB-61/70/74/76 ...-TeCB	26.20	C	0.8826	0.8832	+0.9	2.65E+08	0.78	0.98	672	6.91E+03	0.187
PCB-66 23'44'-TeCB	26.47		0.8920	0.8921	+0.2	1.48E+08	0.78	0.94	391	6.91E+03	0.195
PCB-55 233'4-TeCB	NotFnd		0.8964	-		0.00E+00		0.90	ND	6.91E+03	0.202
PCB-56 233'4'-TeCB	27.02		0.9107	0.9107	0	6.16E+07	0.79	0.89	170	6.91E+03	0.204
PCB-60 2344'-TeCB	27.21		0.9170	0.9170	0	3.34E+07	0.76	0.95	87	6.91E+03	0.192
PCB-80 33'55'-TeCB	NotFnd		0.9294	-		0.00E+00		1.07	ND	6.91E+03	0.17
PCB-79 33'45'-TeCB	28.84		0.9724	0.9719	-0.9	1.28E+06	0.73	1.07	2.96	6.91E+03	0.171
PCB-78 33'45-TeCB	NotFnd		0.9882	-		0.00E+00		0.93	ND	6.91E+03	0.196
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.25	ND	1.97E+03	0.048
PCB-96 22'366'-PeCB	23.20		1.0138	1.0137	-0.1	7.14E+05	0.61	0.99	2.2	1.97E+03	0.0608
PCB-103 22'45'6-PeCB	24.88		0.8917	0.8917	0	1.57E+06	0.66	0.85	5.85	9.61E+03	0.384
PCB-94 22'356'-PeCB	25.05		0.8979	0.8978	-0.2	7.08E+05	0.64	0.73	3.07	9.61E+03	0.446

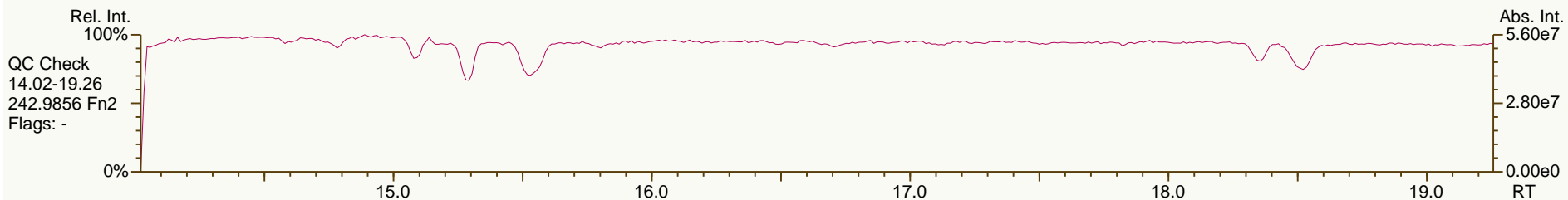
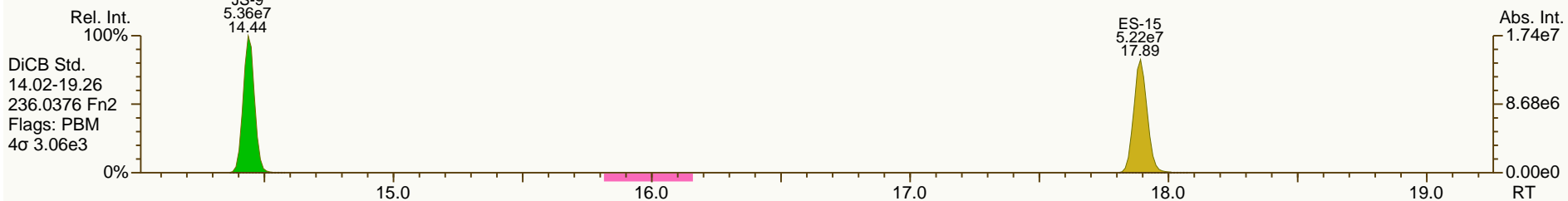
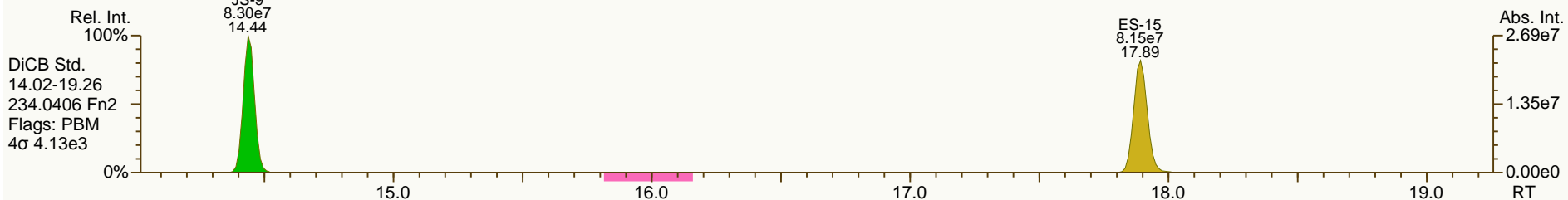
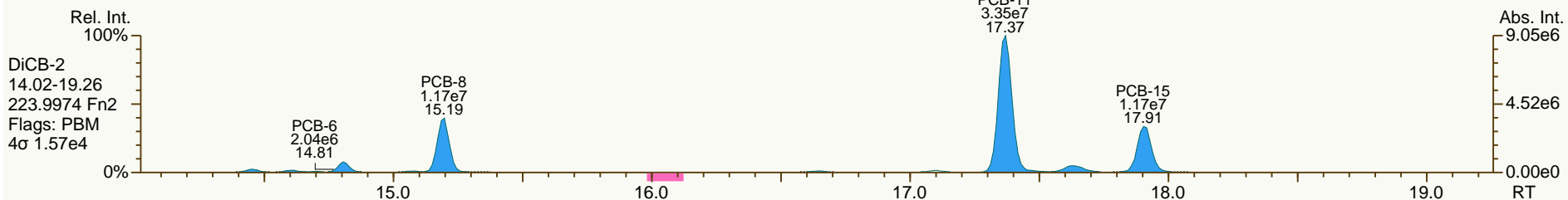
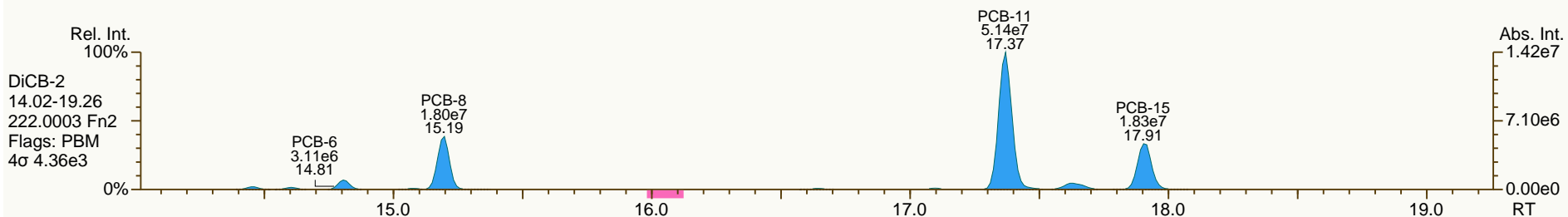
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	25.43		0.9112	0.9112	0	1.10E+08	0.62	0.79	445	9.61E+03	0.417
PCB-100/93 22'44'6/22'356-PeCB	25.62	C	0.9186	0.9181	-0.8	8.88E+05	0.63	0.81	3.47	9.61E+03	0.402
PCB-102 22'456'-PeCB	25.74		0.9224	0.9225	+0.2	6.09E+06	0.62	0.81	23.9	9.61E+03	0.404
PCB-98 22'34'6'-PeCB	NotFnd		0.9248	-		0.00E+00		0.76	ND	9.61E+03	0.431
PCB-88 22'346-PeCB	NotFnd		0.9349	-		0.00E+00		0.62	ND	9.61E+03	0.531
PCB-91 22'34'6-PeCB	26.17		0.9374	0.9377	+0.5	1.53E+07	0.61	0.83	58.3	9.61E+03	0.392
PCB-84 22'33'6-PeCB	26.34		0.9438	0.9440	+0.3	2.56E+07	0.62	0.68	121	9.61E+03	0.485
PCB-89 22'346'-PeCB	26.75		0.9584	0.9586	+0.3	1.43E+06	0.63	0.72	6.31	9.61E+03	0.455
PCB-121 23'45'6-PeCB	NotFnd		0.9722	-		0.00E+00		1.10	ND	9.61E+03	0.299
PCB-92 22'355'-PeCB	27.44		0.9830	0.9831	+0.2	2.62E+07	0.62	0.76	109	9.61E+03	0.429
PCB-113/90/101 ...-PeCB	27.93	C	0.9999	1.0008	+1.5	1.68E+08	0.62	0.90	593	9.61E+03	0.363
PCB-83 22'33'5-PeCB	28.31		1.0147	1.0144	-0.5	5.56E+06	0.62	0.64	27.6	9.61E+03	0.511
PCB-99 22'44'5-PeCB	28.42		1.0184	1.0184	0	7.13E+07	0.63	0.89	254	9.61E+03	0.367
PCB-112 233'56-PeCB	NotFnd		1.0217	-		0.00E+00		1.06	ND	9.61E+03	0.307
PCB-108/119/86/97/125...-PeCB	28.88	C	1.0338	1.0347	+1.6	9.70E+07	0.62	0.92	337	9.61E+03	0.357
PCB-117 234'56-PeCB	NotFnd		1.0525	-		0.00E+00		0.84	ND	9.61E+03	0.392
PCB-116/85 23456/22'344'-PeCB	29.44	C	1.0552	1.0548	-0.7	2.73E+07	0.62	1.02	85.2	9.61E+03	0.321
PCB-110 233'4'6-PeCB	29.58		1.0598	1.0599	+0.2	1.88E+08	0.62	1.10	543	9.61E+03	0.298
PCB-115 2344'6-PeCB	NotFnd		1.0628	-		0.00E+00		1.02	ND	9.61E+03	0.319
PCB-82 22'33'4-PeCB	29.83		1.0691	1.0691	0	1.13E+07	0.63	0.67	53.5	9.61E+03	0.486
PCB-111 233'55'-PeCB	30.21	J	1.0821	1.0823	+0.4	2.25E+05	0.55	1.13	0.63	9.61E+03	0.289
PCB-120 23'455'-PeCB	30.60		1.0960	1.0964	+0.7	9.30E+05	0.60	1.14	2.59	9.61E+03	0.287
PCB-107/124 ...-PeCB	31.54	C	0.9911	0.9912	+0.2	4.89E+06	0.60	1.06	14.7	9.61E+03	0.309
PCB-109 233'46-PeCB	31.75		0.9975	0.9977	+0.4	1.23E+07	0.62	1.13	34.8	9.61E+03	0.29
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.04	ND	9.61E+03	0.315
PCB-122 233'4'5'-PeCB	32.39		1.0093	1.0092	-0.2	1.44E+06	0.62	0.99	4.59	9.61E+03	0.338
PCB-127 33'455'-PeCB	NotFnd		1.0387	-		0.00E+00		1.09	ND	9.61E+03	0.302
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	1.68E+03	0.0439
PCB-152 22'3566'-HxCB	27.88	J	1.0056	1.0053	-0.5	1.00E+05	1.11	0.98	0.278	1.68E+03	0.0488
PCB-150 22'34'66'-HxCB	28.04	J	1.0110	1.0111	+0.2	1.80E+05	1.16	1.01	0.484	1.68E+03	0.0475
PCB-136 22'33'66'-HxCB	28.32		1.0213	1.0212	-0.2	1.77E+07	1.28	0.93	51.8	1.68E+03	0.0517
PCB-145 22'3466'-HxCB	NotFnd		1.0309	-		0.00E+00		0.95	ND	1.68E+03	0.0502
PCB-148 22'34'56'-HxCB	29.88	J	1.0773	1.0775	+0.4	1.94E+05	1.10	0.74	0.711	1.68E+03	0.0643
PCB-151/135 ...-HxCB	30.37	C	1.0954	1.0953	-0.2	3.73E+07	1.27	0.72	140	1.68E+03	0.0662
PCB-154 22'44'56'-HxCB	30.59		1.1031	1.1034	+0.6	1.47E+06	1.25	0.82	4.86	1.68E+03	0.0581
PCB-144 22'345'6-HxCB	30.84		1.1121	1.1123	+0.4	5.18E+06	1.25	0.75	18.8	1.68E+03	0.064
PCB-147/149 ...-HxCB	31.13	C	1.1228	1.1228	0	8.90E+07	1.27	0.75	325	1.68E+03	0.0642
PCB-134 22'33'56-HxCB	31.31		1.1284	1.1290	+1.1	5.22E+06	1.29	0.59	23.9	1.68E+03	0.0806
PCB-143 22'3456'-HxCB	NotFnd		1.1313	-		0.00E+00		0.73	ND	1.68E+03	0.0658
PCB-139/140 ...-HxCB	31.65	C	1.1411	1.1413	+0.4	1.66E+06	1.19	0.76	5.92	1.68E+03	0.0627
PCB-131 22'33'46-HxCB	31.81		1.1468	1.1471	+0.6	9.92E+05	1.24	0.65	4.14	1.68E+03	0.0734
PCB-142 22'3456-HxCB	NotFnd		1.1516	-		0.00E+00		0.67	ND	1.68E+03	0.072
PCB-132 22'33'46'-HxCB	32.18		1.1602	1.1606	+0.8	2.98E+07	1.25	0.67	121	1.68E+03	0.0713
PCB-133 22'33'55'-HxCB	32.63		1.1763	1.1769	+1.2	1.83E+06	1.33	0.70	7.14	1.68E+03	0.0687
PCB-165 233'55'6-HxCB	NotFnd		0.9500	-		0.00E+00		0.87	ND	1.68E+03	0.0552
PCB-146 22'34'55'-HxCB	33.17		0.9560	0.9559	-0.2	1.79E+07	1.27	0.78	62.8	1.68E+03	0.0617
PCB-161 233'45'6-HxCB	NotFnd		0.9593	-		0.00E+00		0.96	ND	1.68E+03	0.0501
PCB-153/168 ...-HxCB	33.69	C	0.9715	0.9709	-1.2	1.22E+08	1.26	0.93	357	1.68E+03	0.0515

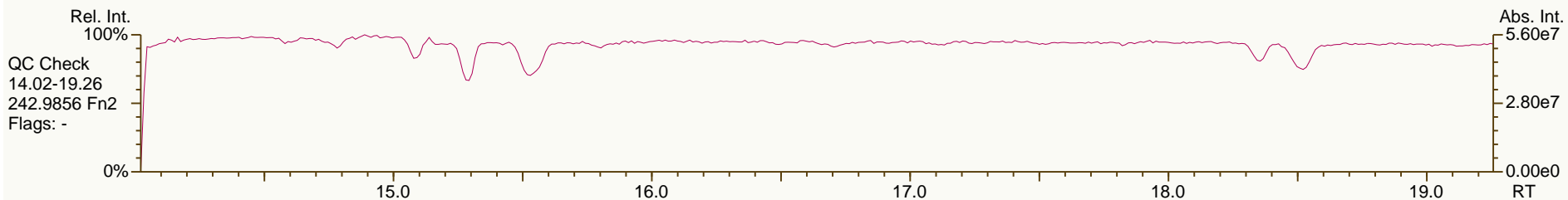
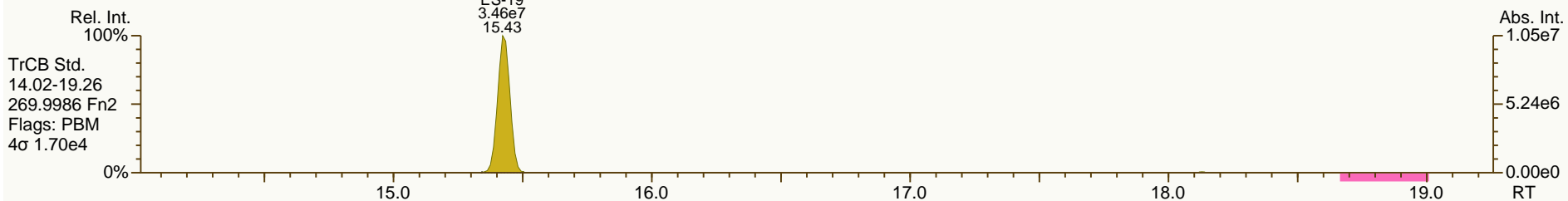
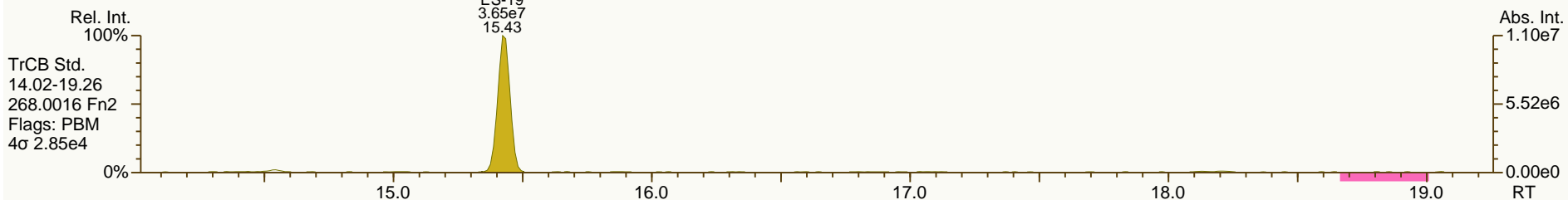
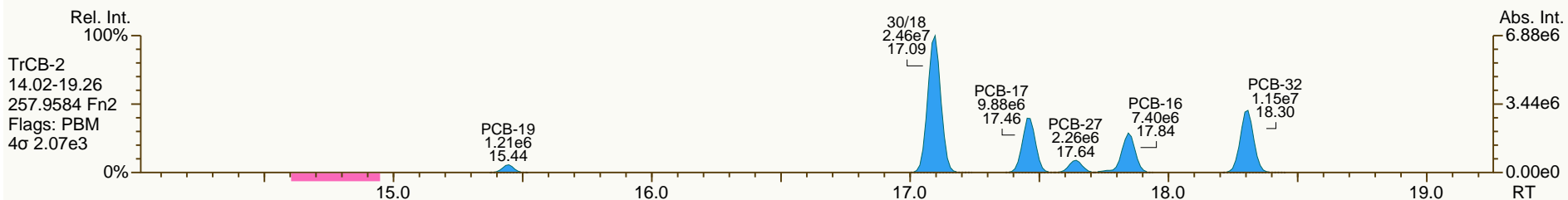
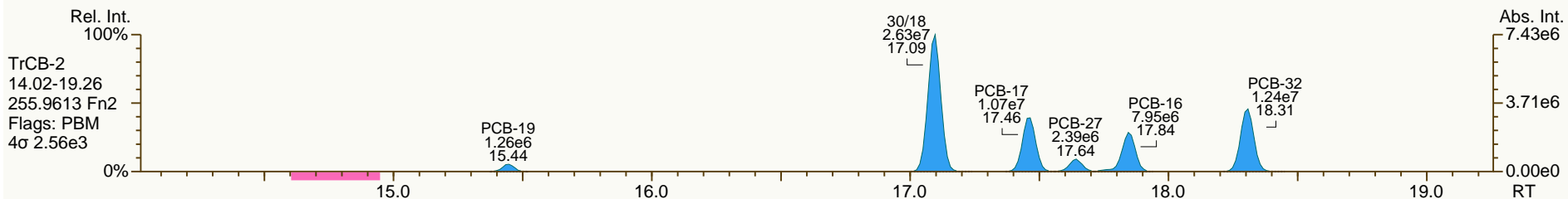
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	33.85		0.9753	0.9753	0	1.75E+07	1.25	0.73	64.9	1.68E+03	0.0653
PCB-130 22'33'45'-HxCB	34.18		0.9850	0.9850	0	6.63E+06	1.25	0.64	28.3	1.68E+03	0.0753
PCB-137 22'344'5'-HxCB	34.37		0.9906	0.9904	-0.4	3.53E+06	1.26	0.69	13.9	1.68E+03	0.0691
PCB-164 233'4'5'6'-HxCB	34.46		0.9931	0.9930	-0.2	9.48E+06	1.26	0.90	28.5	1.68E+03	0.053
PCB-163/138/129 ...-HxCB	34.73	C	1.0012	1.0008	-0.8	1.25E+08	1.25	0.77	444	1.68E+03	0.0624
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		0.90	ND	1.68E+03	0.0531
PCB-158 233'44'6'-HxCB	35.06		1.0103	1.0103	0	1.50E+07	1.27	0.99	41.1	1.68E+03	0.0481
PCB-128/166 ...-HxCB	35.78	C	0.9607	0.9606	-0.2	1.69E+07	1.24	0.85	67.1	3.79E+03	0.171
PCB-159 233'455'-HxCB	NotFnd		0.9835	-		0.00E+00		1.01	ND	3.79E+03	0.145
PCB-162 233'4'55'-HxCB	36.86		0.9899	0.9895	-0.9	3.49E+05	1.26	1.05	1.13	3.79E+03	0.139
PCB-188 22'34'566'-HpCB	32.56	J	1.0006	1.0007	+0.2	4.15E+04	1.06	1.03	0.156	1.33E+03	0.0547
PCB-179 22'33'566'-HpCB	32.82		1.0088	1.0087	-0.2	9.21E+06	1.05	0.99	35.9	1.33E+03	0.057
PCB-184 22'344'66'-HpCB	NotFnd		1.0231	-		0.00E+00		0.96	ND	1.33E+03	0.0587
PCB-176 22'33'466'-HpCB	33.56		1.0316	1.0317	+0.2	2.72E+06	1.08	1.07	9.84	1.33E+03	0.0529
PCB-186 22'34566'-HpCB	NotFnd		1.0433	-		0.00E+00		1.00	ND	1.33E+03	0.0564
PCB-178 22'33'55'6'-HpCB	35.11		1.0790	1.0793	+0.6	3.82E+06	1.05	0.73	20.3	1.33E+03	0.0775
PCB-175 22'33'45'6'-HpCB	35.65		1.0955	1.0957	+0.4	8.68E+05	1.07	0.94	3.59	2.19E+03	0.0993
PCB-187 22'34'55'6'-HpCB	35.88		1.1024	1.1028	+0.9	2.81E+07	1.03	1.00	109	2.19E+03	0.093
PCB-182 22'344'56'-HpCB	NotFnd		1.1077	-		0.00E+00		1.03	ND	2.19E+03	0.0901
PCB-183 22'344'5'6'-HpCB	36.40		1.1182	1.1188	+1.3	1.46E+07	1.05	1.06	53.4	2.19E+03	0.0875
PCB-185 22'3455'6'-HpCB	NotFnd		1.1205	-		0.00E+00		0.98	ND	2.19E+03	0.0953
PCB-174 22'33'456'-HpCB	36.57		1.1238	1.1241	+0.7	1.81E+07	1.06	0.87	80.5	2.19E+03	0.107
PCB-177 22'33'45'6'-HpCB	36.94		1.1351	1.1354	+0.7	1.18E+07	1.03	0.86	53	2.19E+03	0.108
PCB-181 22'344'56-HpCB	37.28	J	1.1457	1.1459	+0.4	1.51E+05	1.00	0.99	0.591	2.19E+03	0.0938
PCB-171/173 ...-HpCB	37.47	C	1.1510	1.1518	+1.8	5.86E+06	1.06	0.87	26	2.19E+03	0.107
PCB-172 22'33'455'-HpCB	38.84		0.9027	0.9025	-0.5	3.29E+06	1.07	0.79	16.2	2.19E+03	0.126
PCB-192 233'455'6'-HpCB	NotFnd		0.9084	-		0.00E+00		1.03	ND	2.19E+03	0.096
PCB-180/193 ...-HpCB	39.39	C	0.9147	0.9152	+1.2	4.99E+07	1.06	0.90	214	2.19E+03	0.11
PCB-191 233'44'5'6'-HpCB	39.69		0.9222	0.9221	-0.2	1.09E+06	1.06	1.07	3.94	2.19E+03	0.0927
PCB-170 22'33'44'5'-HpCB	40.43		0.9396	0.9394	-0.5	1.91E+07	1.06	0.72	102	2.19E+03	0.137
PCB-190 233'44'56-HpCB	40.88		0.9500	0.9498	-0.5	4.21E+06	1.06	1.04	15.7	2.19E+03	0.0952
PCB-202 22'33'55'66'-OoCB	37.06		1.0006	1.0006	0	2.30E+06	0.93	0.91	10.5	2.13E+03	0.116
PCB-201 22'33'45'66'-OoCB	37.83		1.0215	1.0215	0	1.34E+06	0.93	1.02	5.51	2.13E+03	0.104
PCB-204 22'344'566'-OoCB	NotFnd		1.0369	-		0.00E+00		0.96	ND	2.13E+03	0.11
PCB-197 22'33'44'66'-OoCB	38.57	J	1.0420	1.0415	-1.2	2.26E+05	0.95	1.06	0.896	2.13E+03	0.1
PCB-200 22'33'4566'-OoCB	38.65		1.0441	1.0437	-0.9	9.60E+05	0.94	0.96	4.19	2.13E+03	0.11
PCB-198/199 ...-OoCB	41.03	C	1.1071	1.1079	+2.0	7.72E+06	0.91	0.70	46.4	2.13E+03	0.151
PCB-196 22'33'44'56'-OoCB	41.58		1.1224	1.1227	+0.7	3.68E+06	0.90	0.71	21.6	2.13E+03	0.148
PCB-203 22'344'55'6'-OoCB	41.75		1.1270	1.1273	+0.8	5.51E+06	0.90	0.76	30.5	2.13E+03	0.14
PCB-195 22'33'44'56-OoCB	42.84		0.9483	0.9480	-0.8	2.54E+06	0.91	0.74	16.2	3.12E+03	0.23
PCB-194 22'33'44'55'-OoCB	44.81		0.9917	0.9917	0	7.74E+06	0.92	0.80	46	3.12E+03	0.214
PCB-205 233'44'55'6'-OoCB	45.21		1.0004	1.0004	0	4.05E+05	0.89	1.09	1.77	3.12E+03	0.157
PCB-208 22'33'455'66'-NoCB	42.65		1.0005	1.0005	0	1.44E+06	0.77	1.02	6.3	1.79E+03	0.0979
PCB-207 22'33'44'566'-NoCB	43.43		1.0188	1.0188	0	5.92E+05	0.77	0.92	2.84	1.79E+03	0.108
PCB-206 22'33'44'55'6'-NoCB	46.66		1.0004	1.0003	-0.3	3.56E+06	0.77	0.98	19.5	1.79E+03	0.136



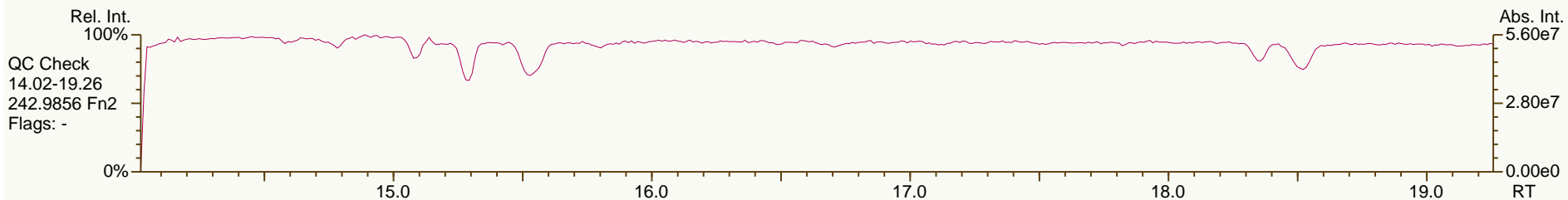
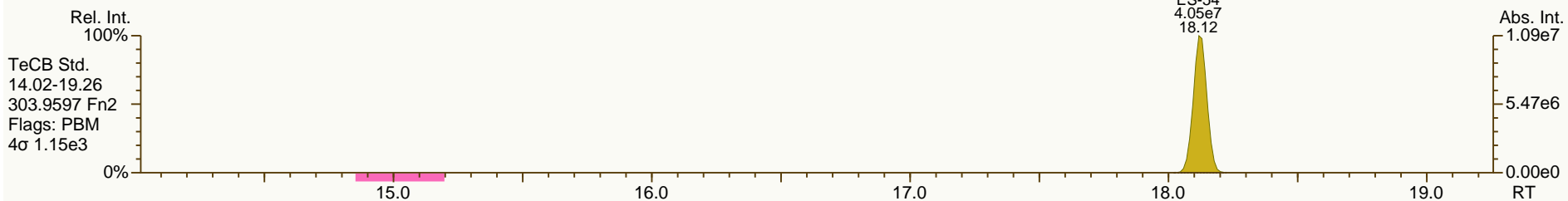
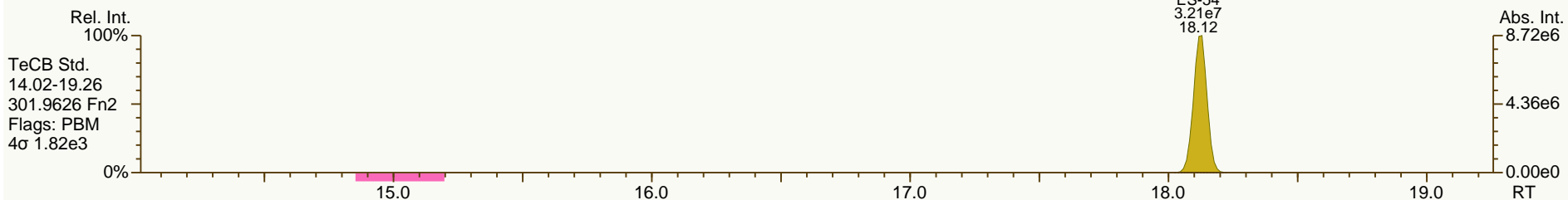
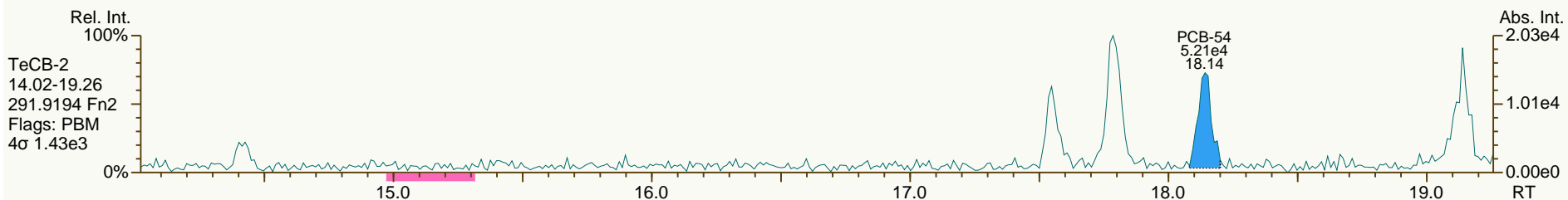
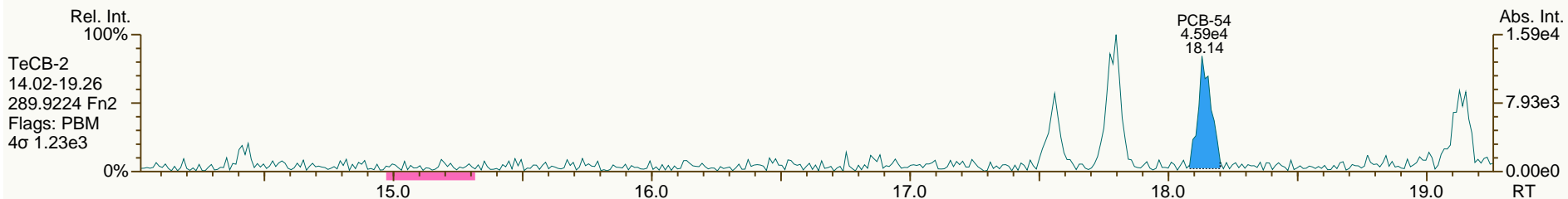


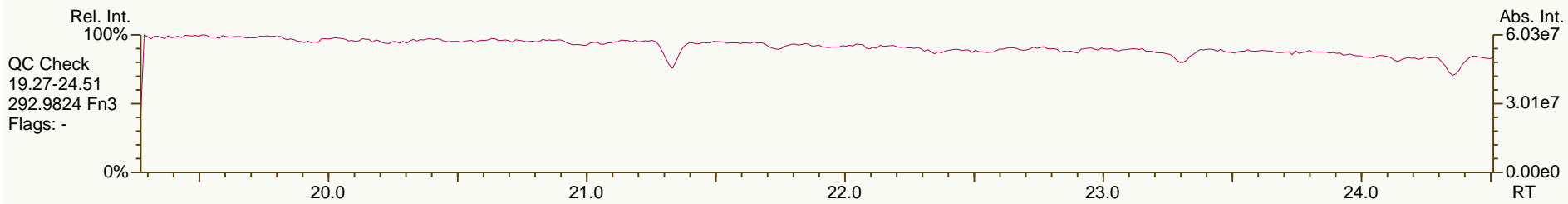
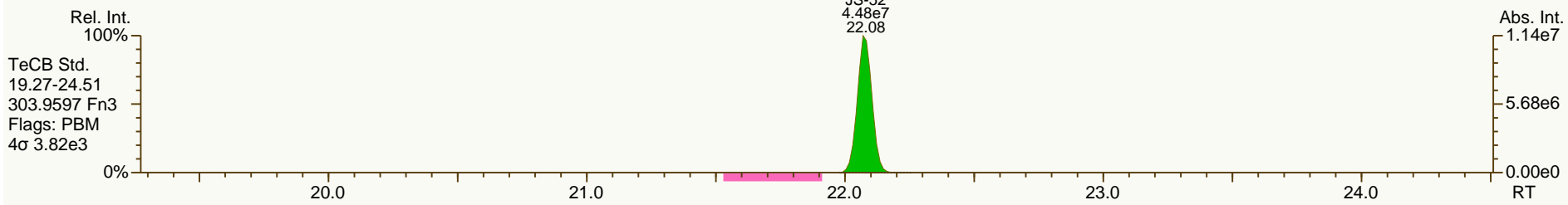
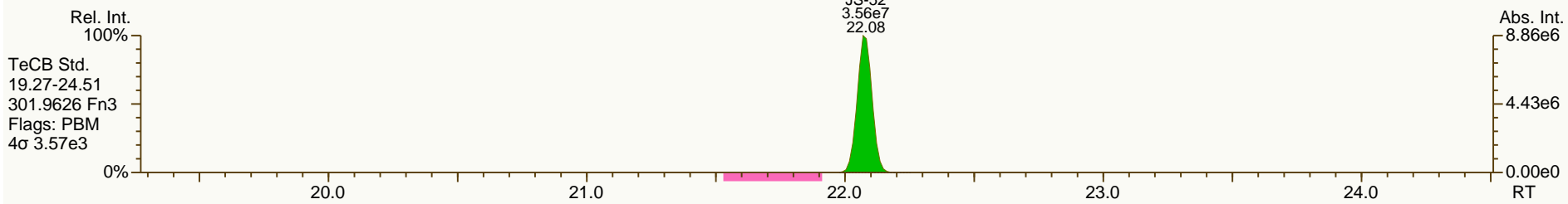
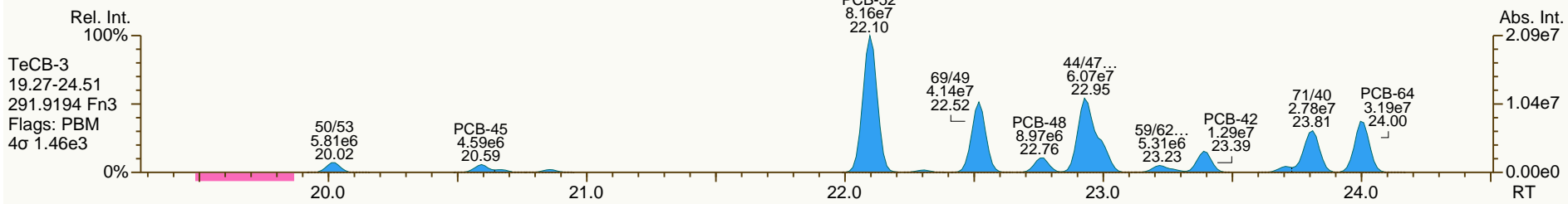
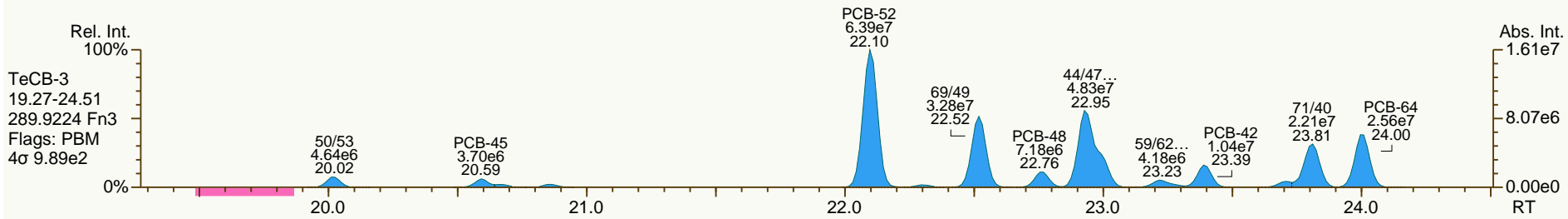


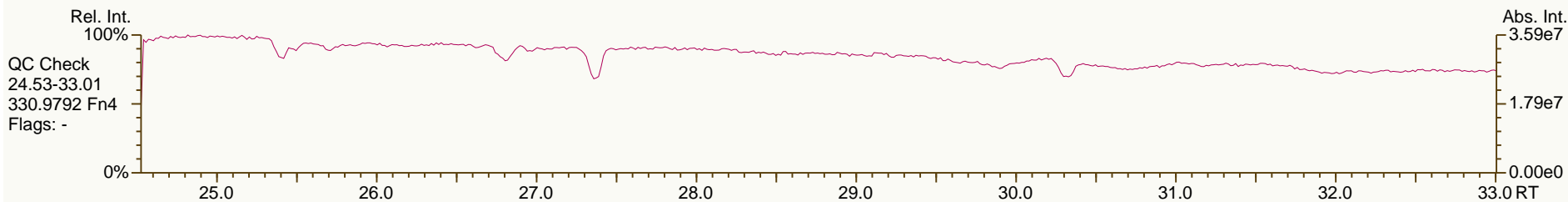
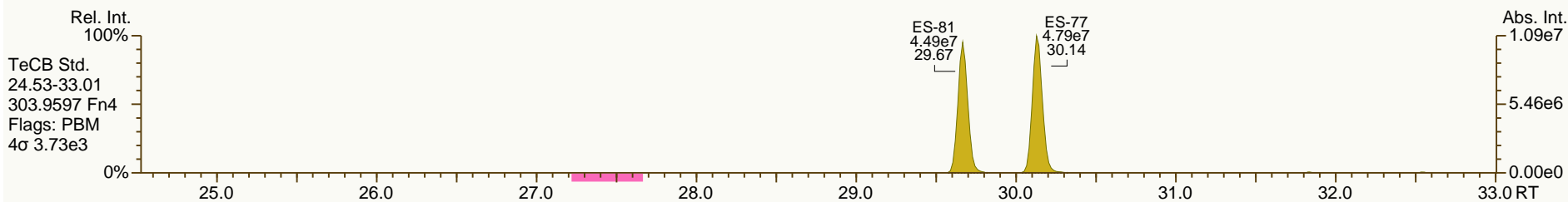
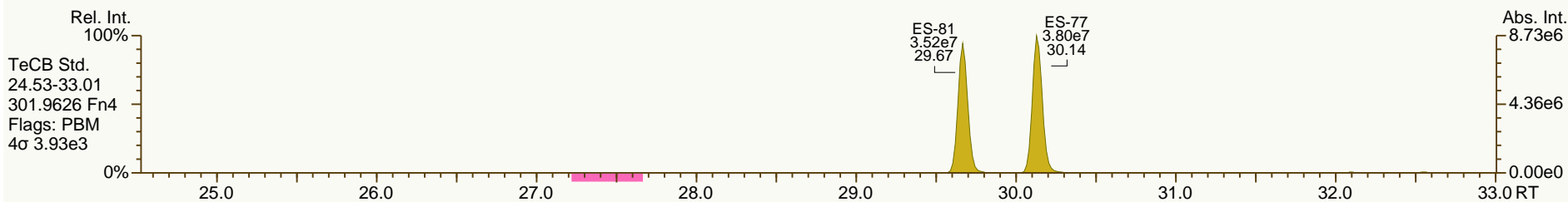
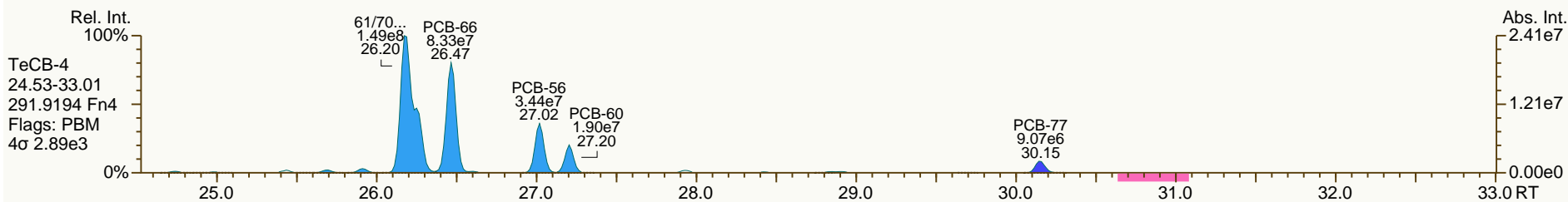
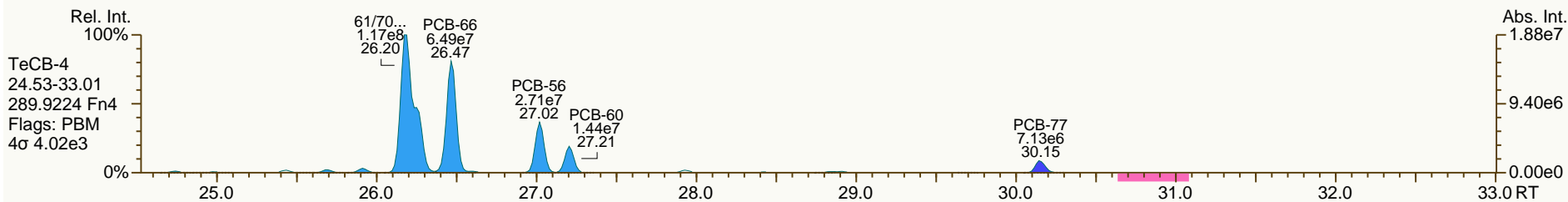


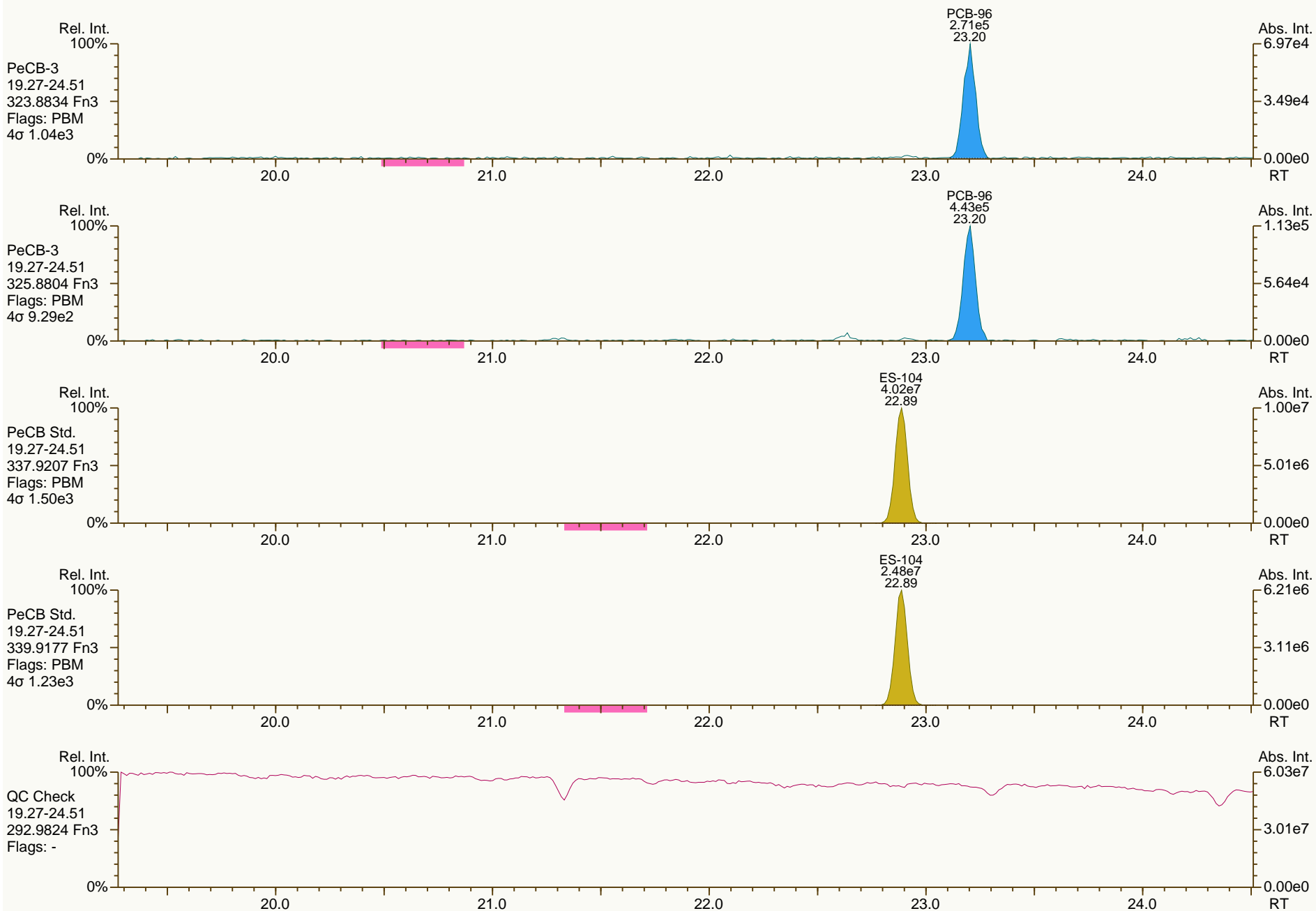


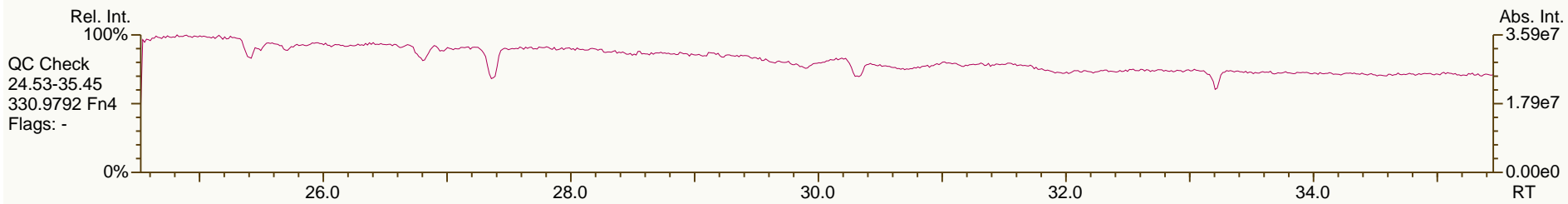
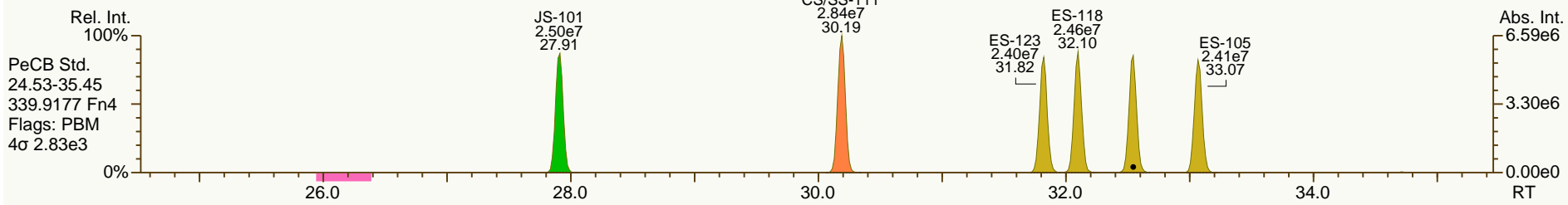
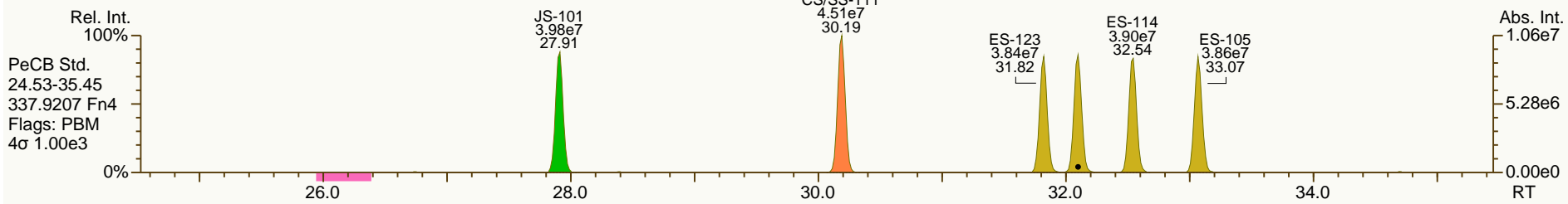
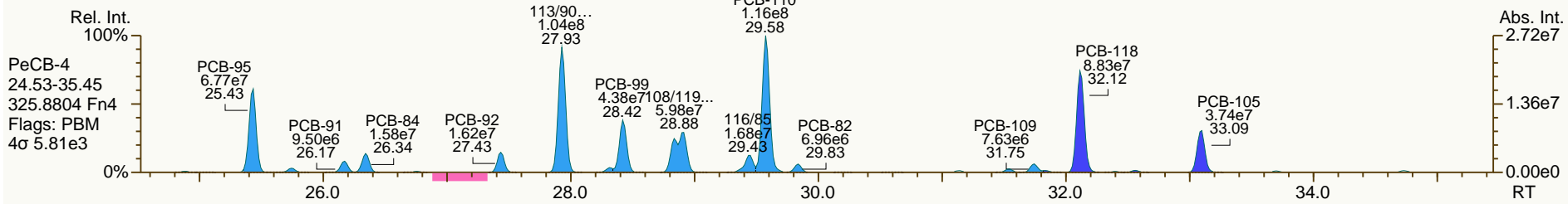
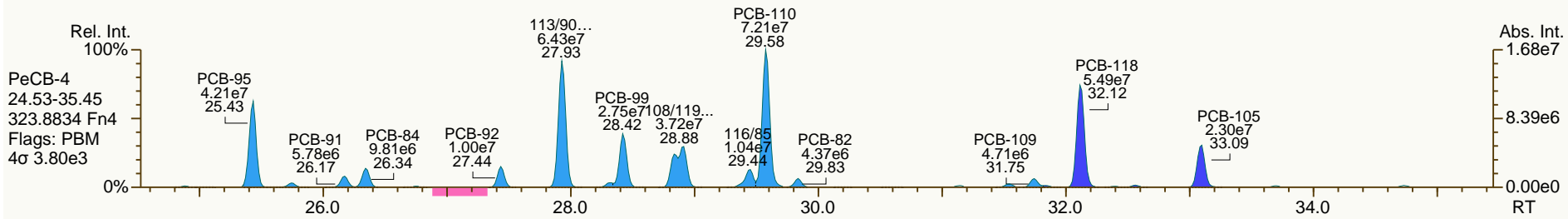


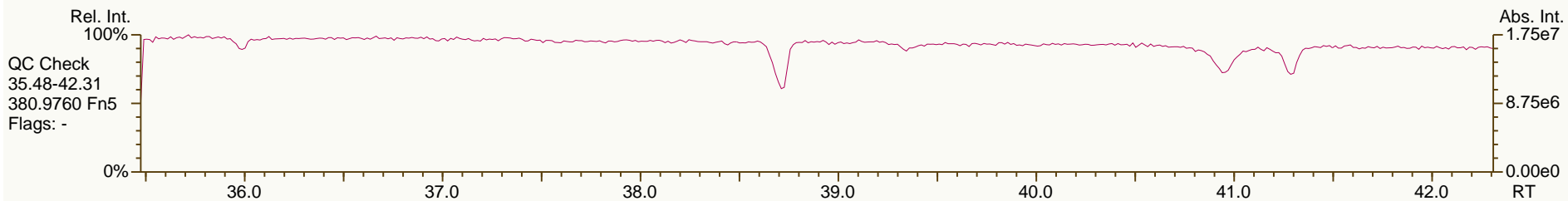
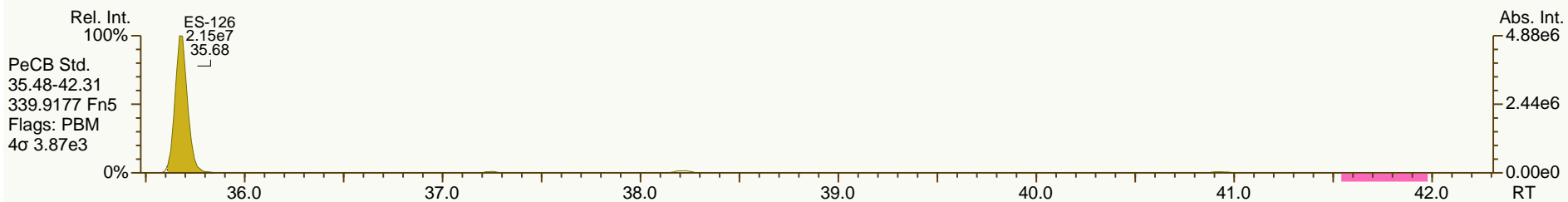
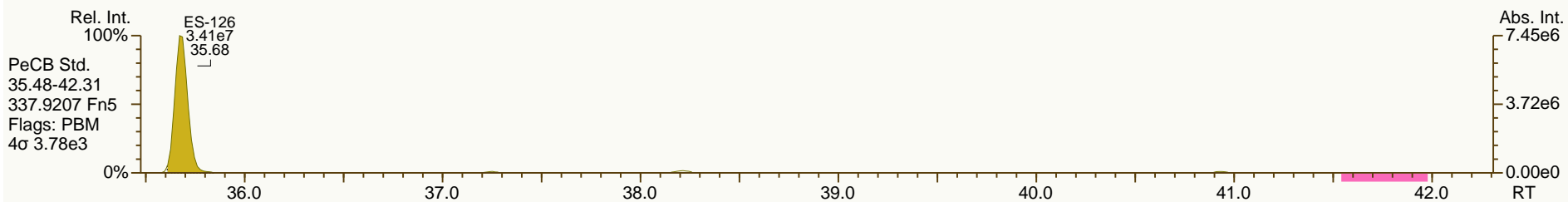
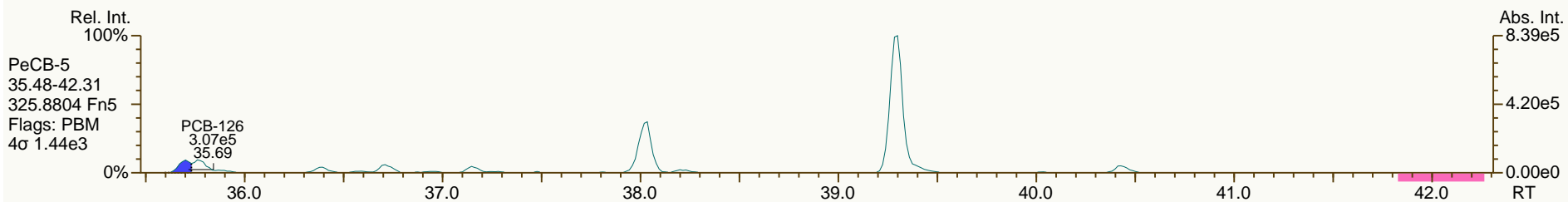
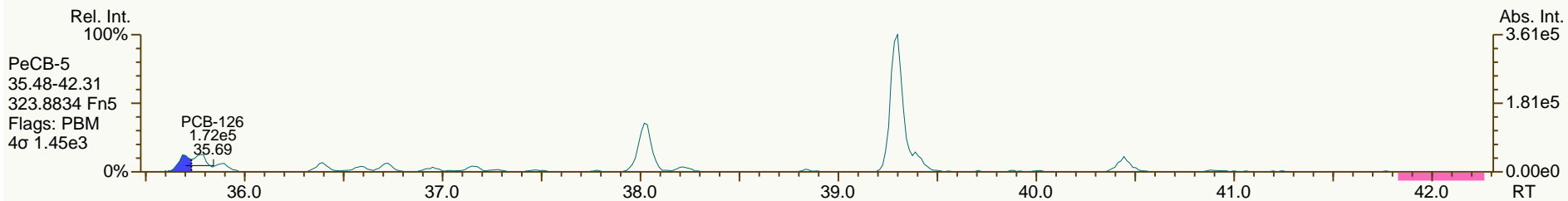








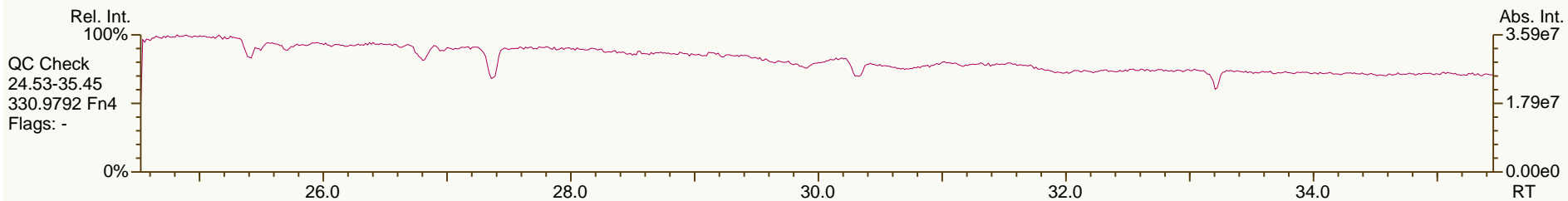
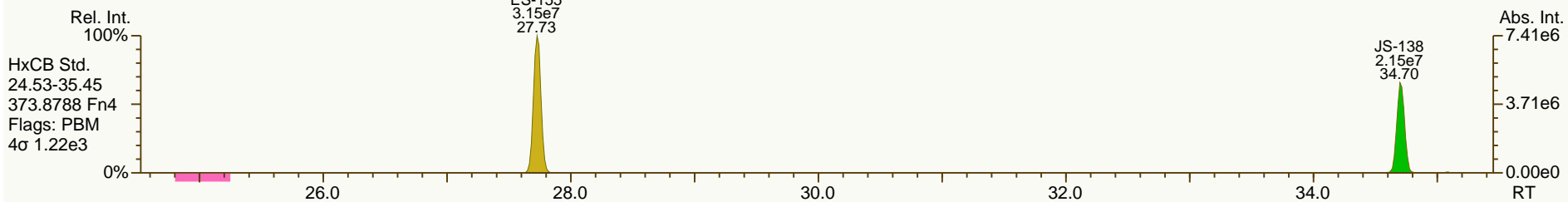
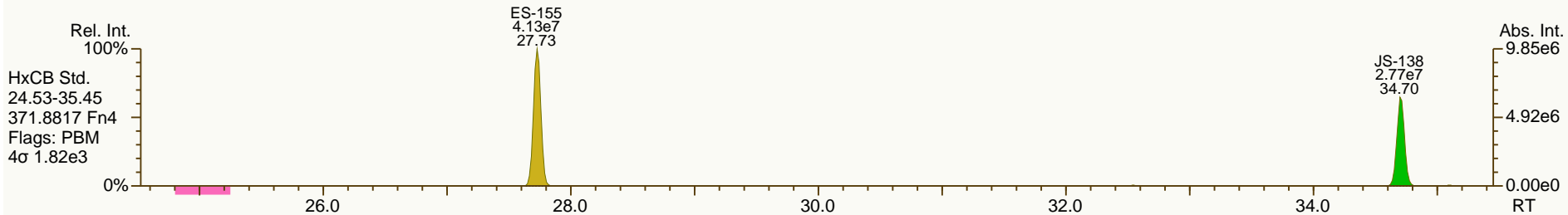
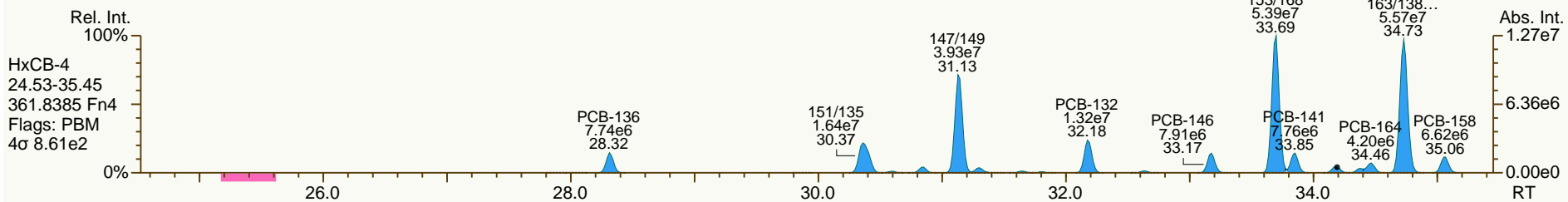
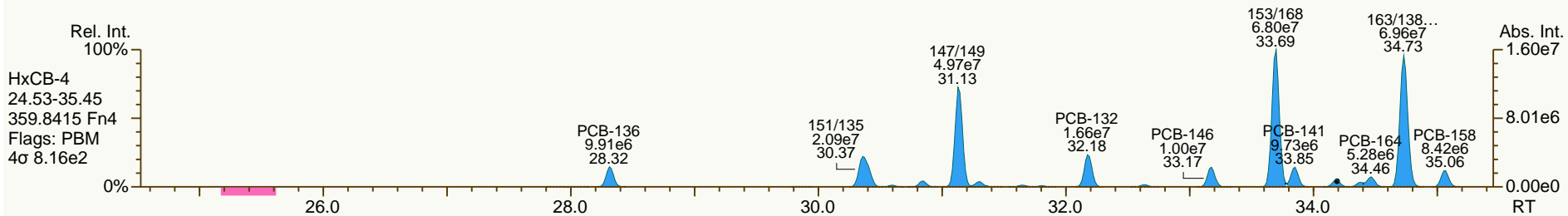


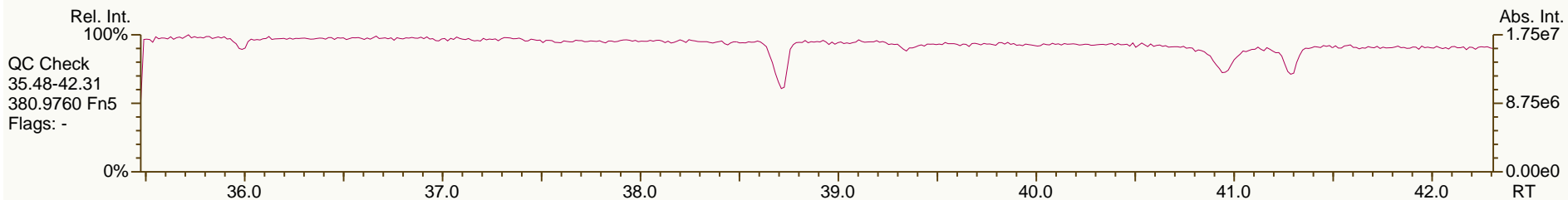
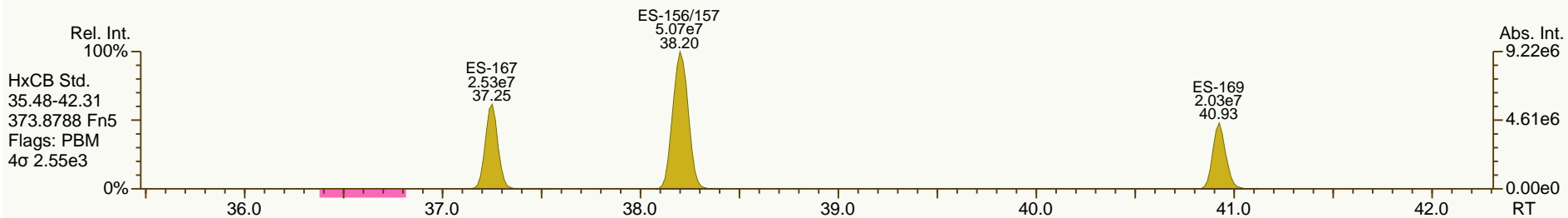
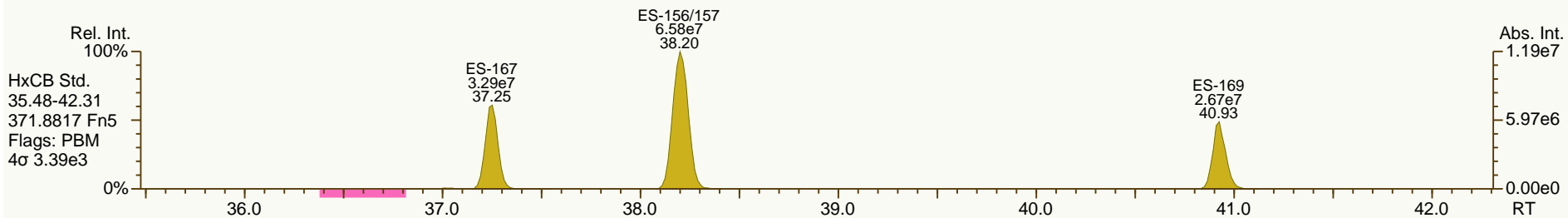
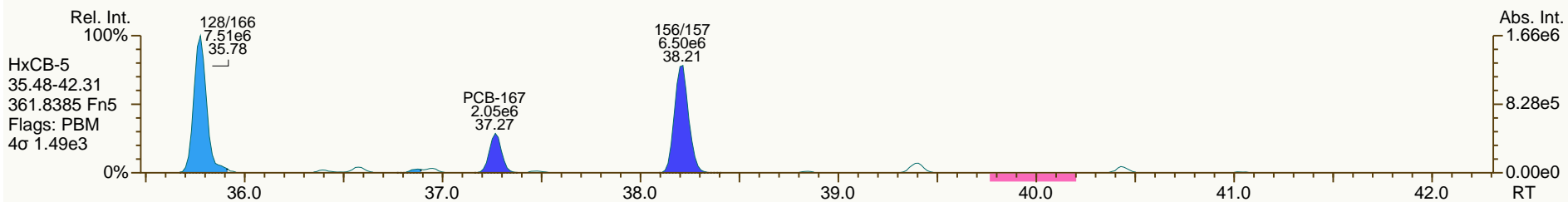
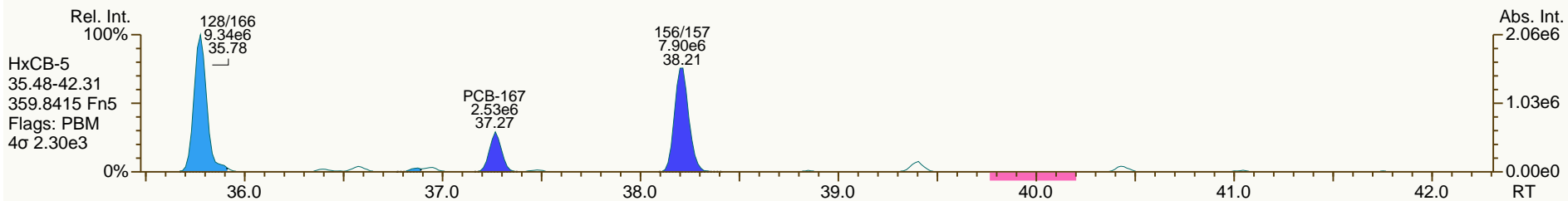


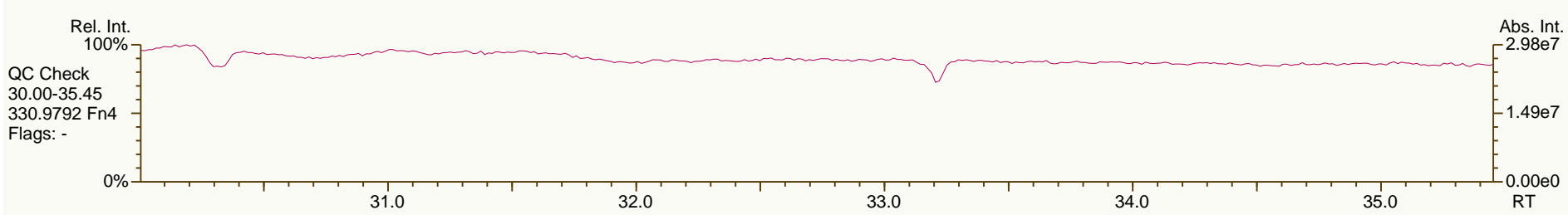
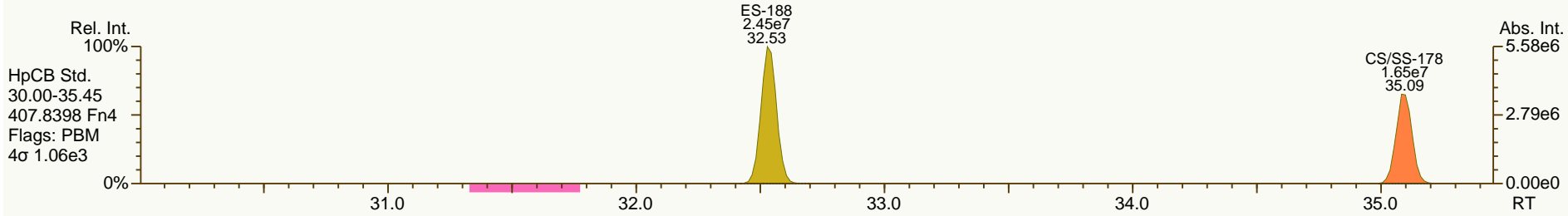
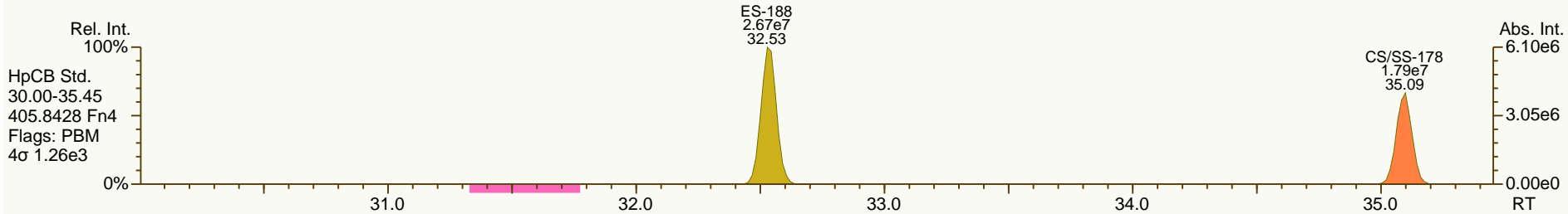
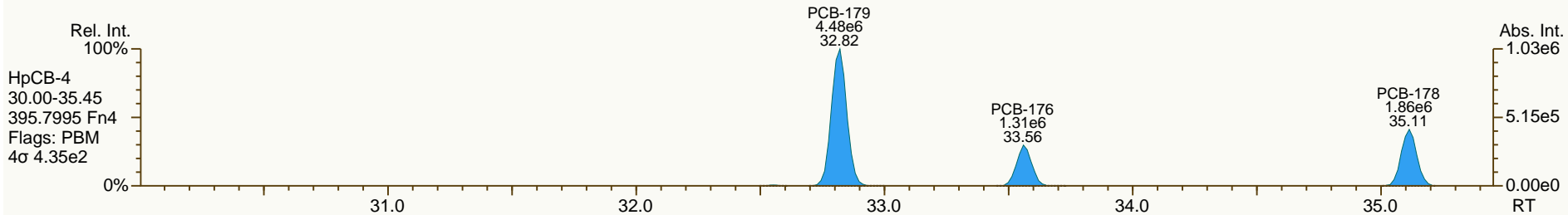
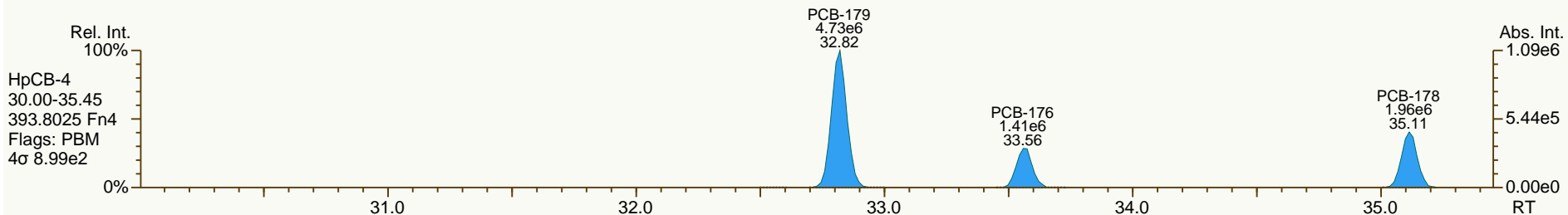
SGS-AP ID: A4723_10237_PCB_005
Instr: AutoSpec-Premier MM7

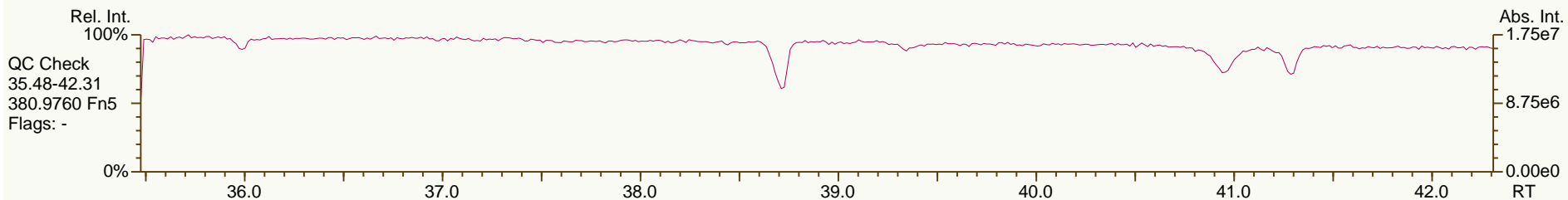
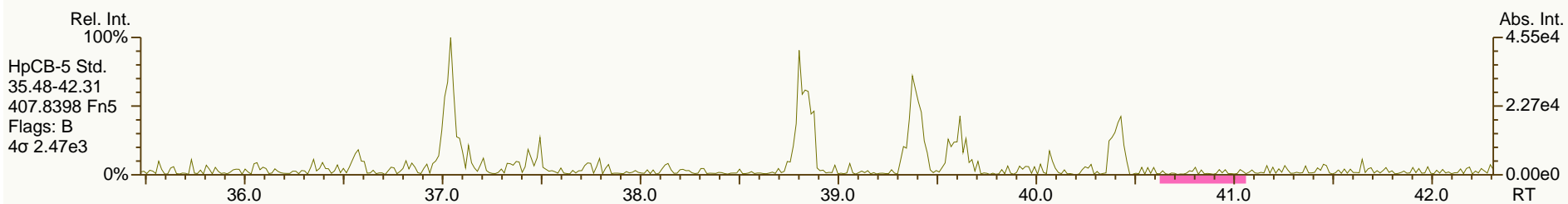
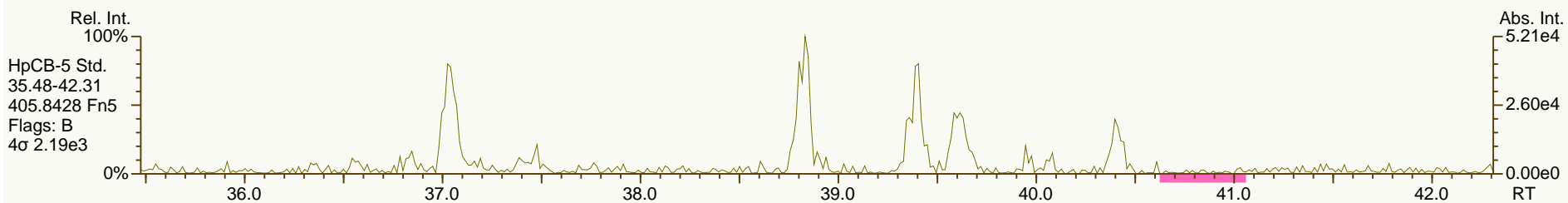
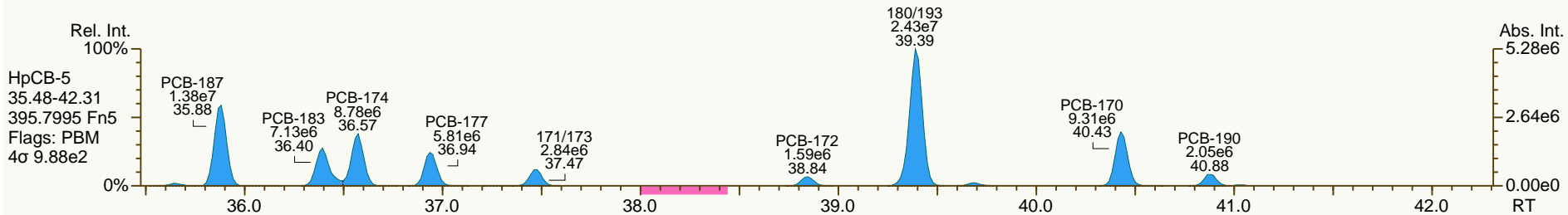
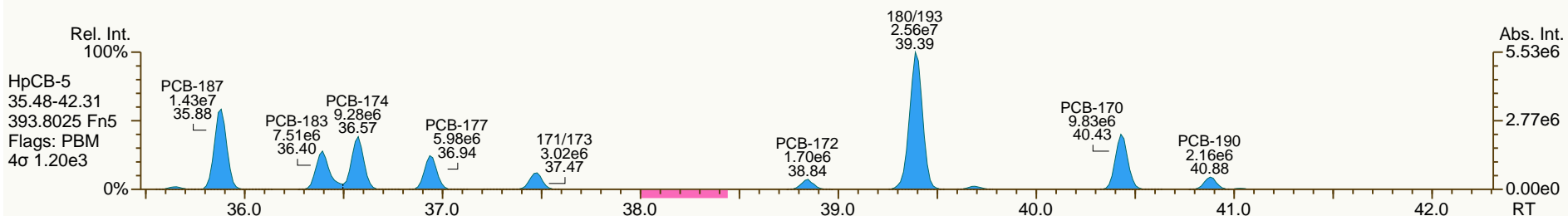
Sample ID: JW-EA09-SS37-120507
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 32

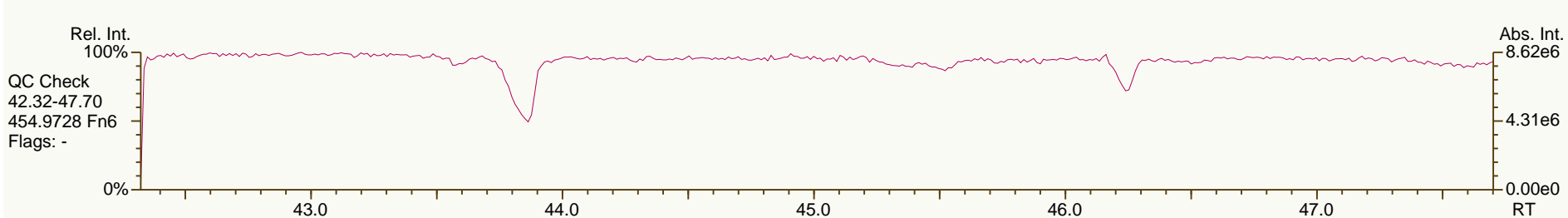
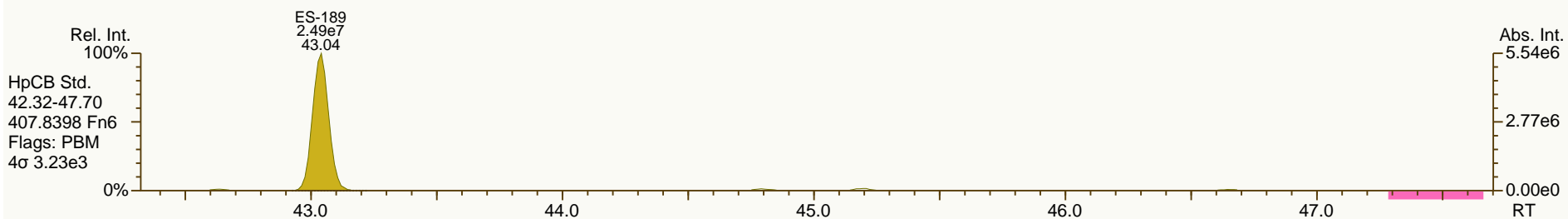
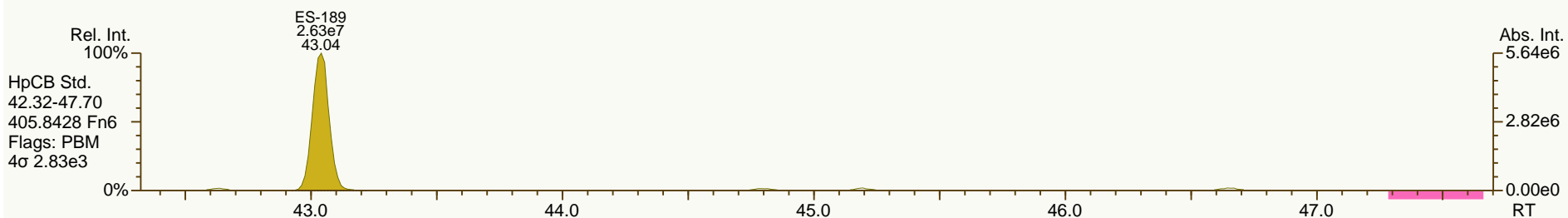
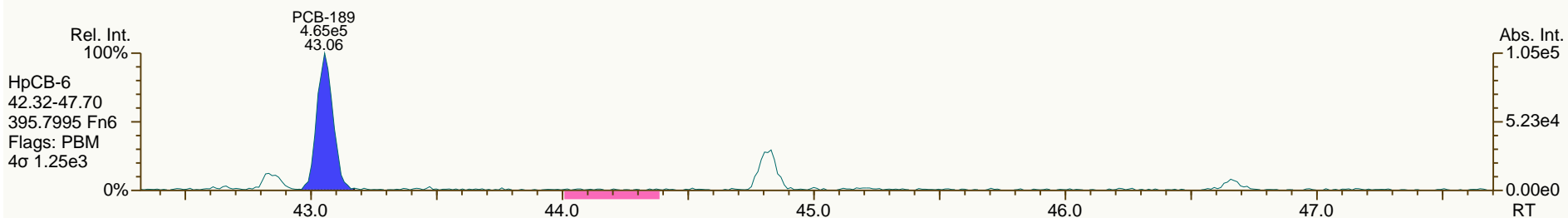
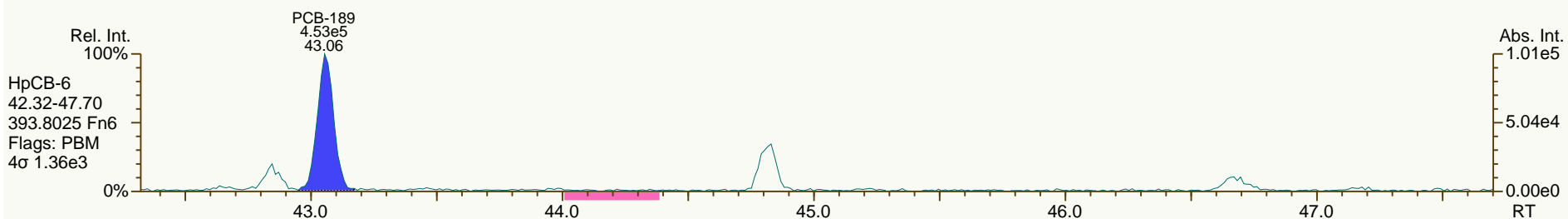
Acq: 24-Oct-2012 23:56:33
User: LKB Datafile: 121024X23

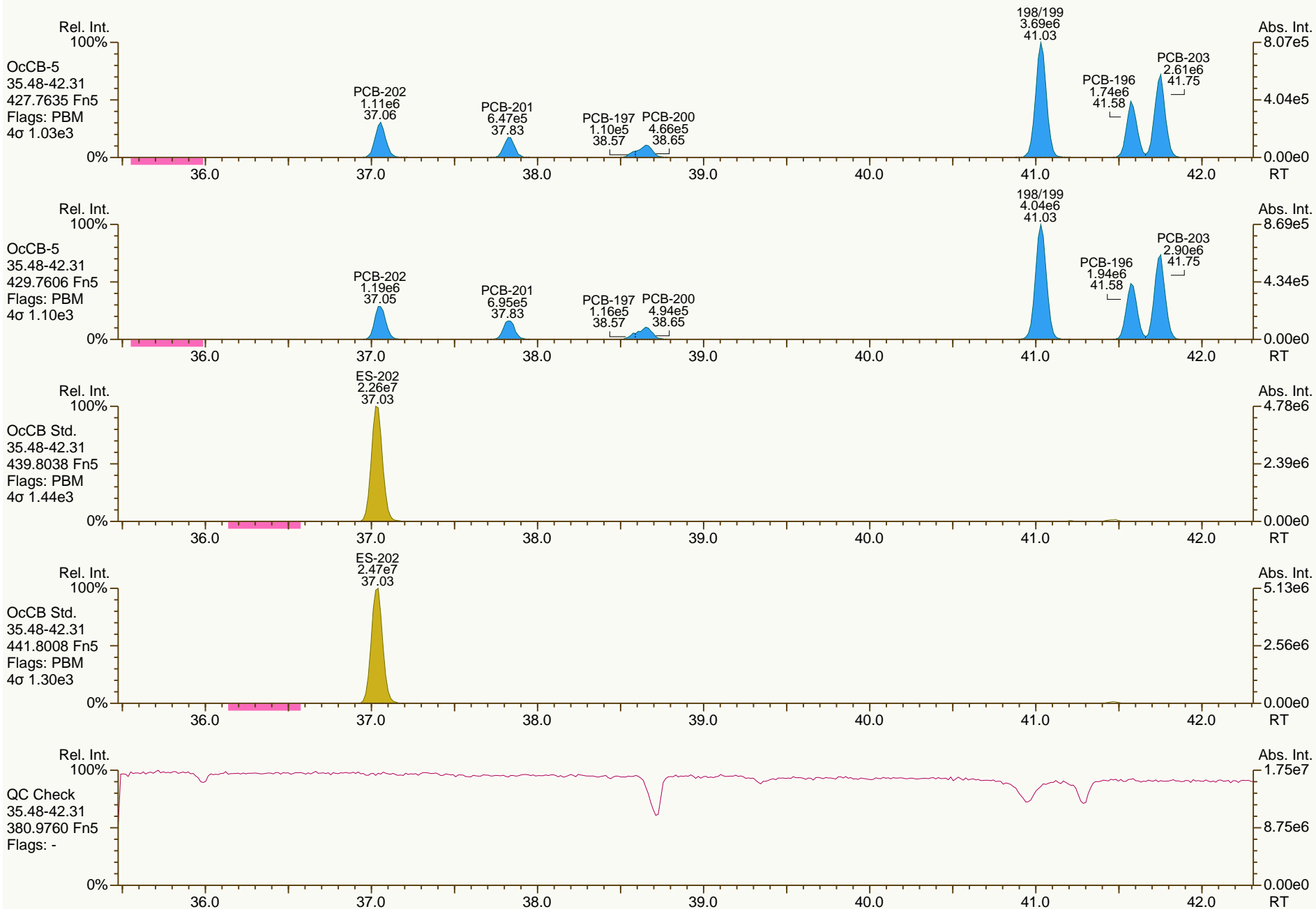


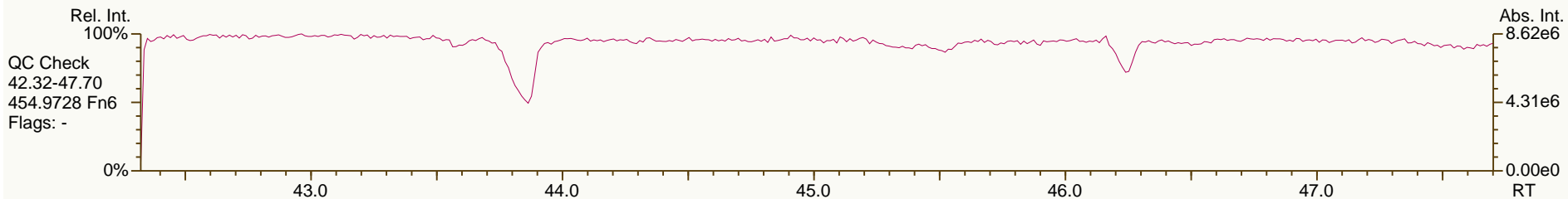
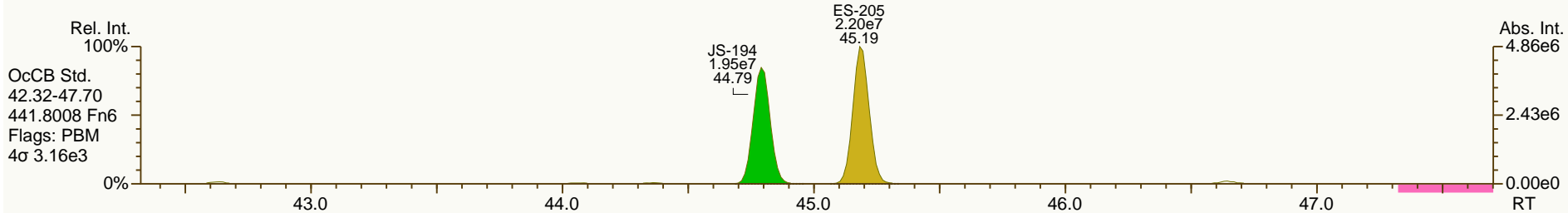
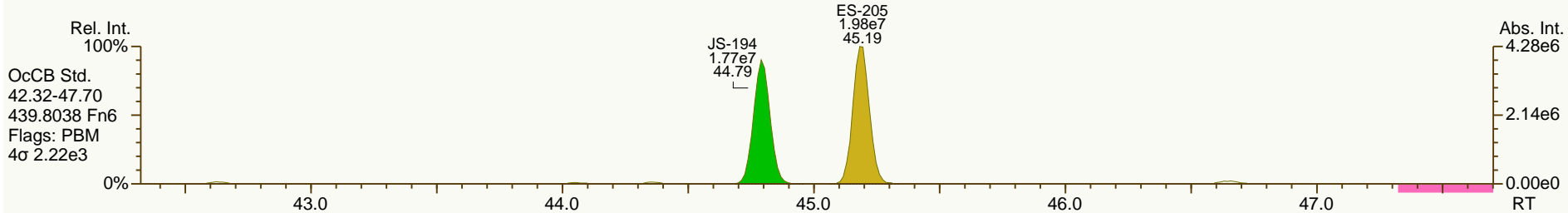
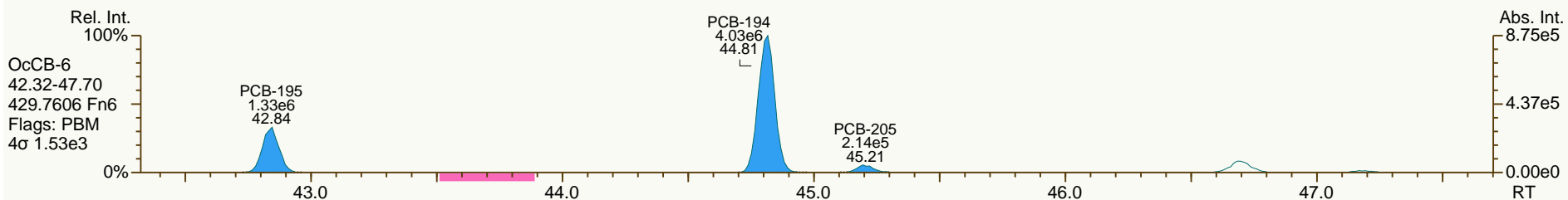
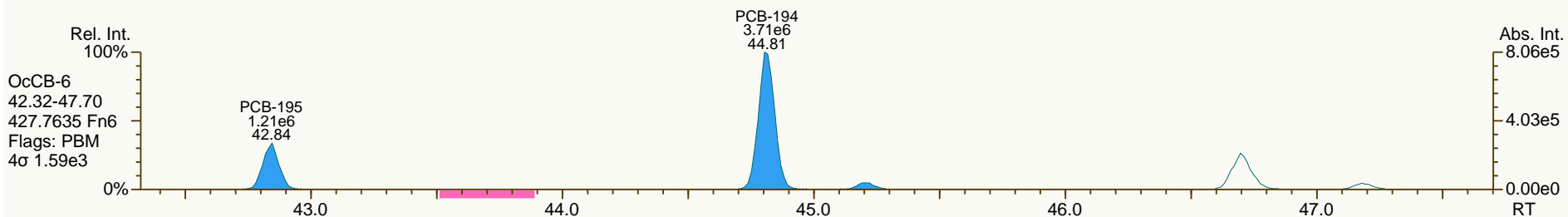


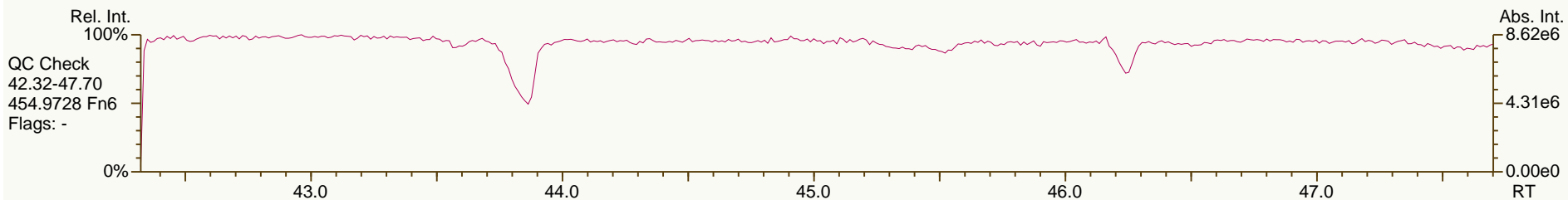
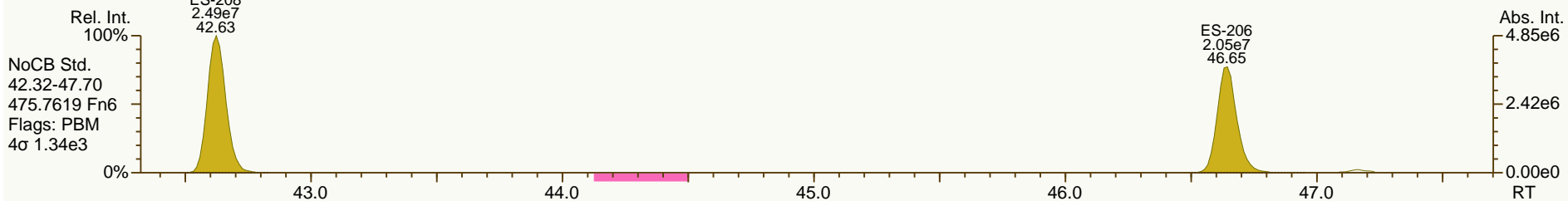
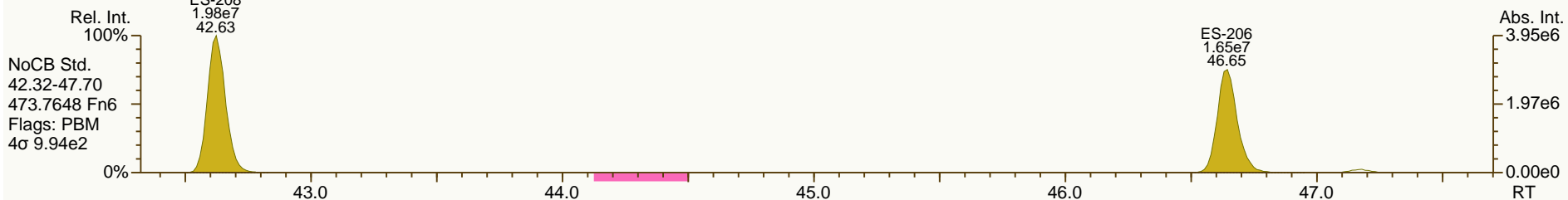
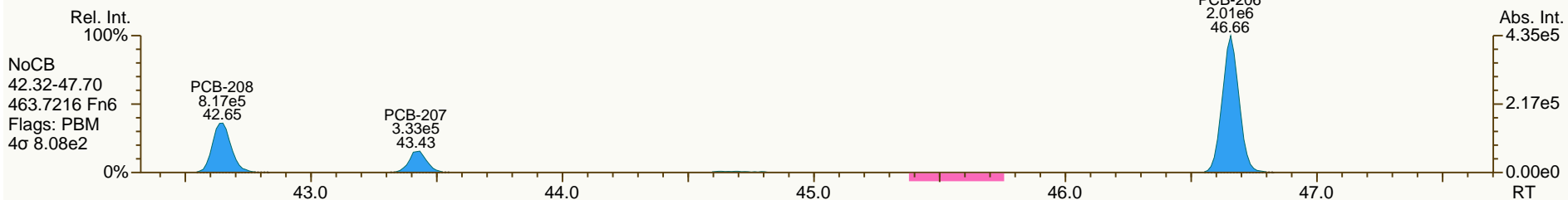
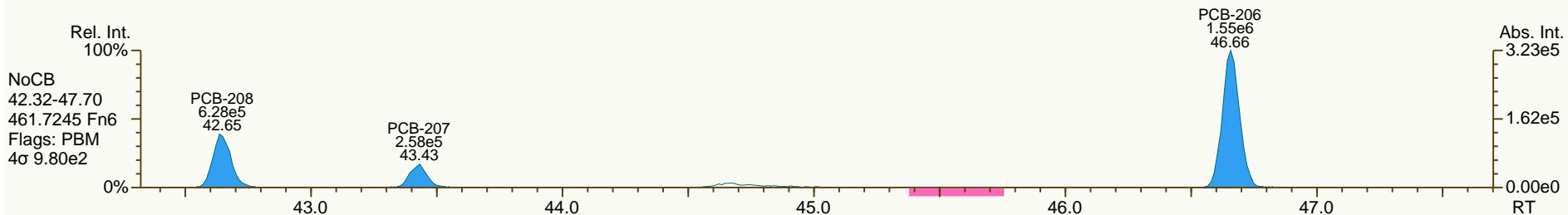


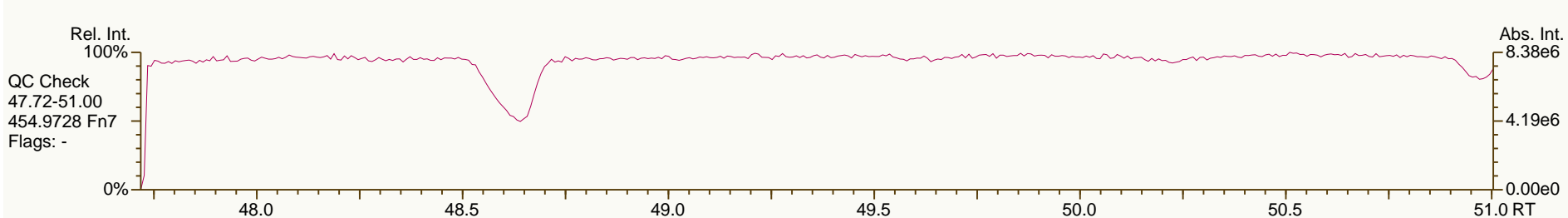
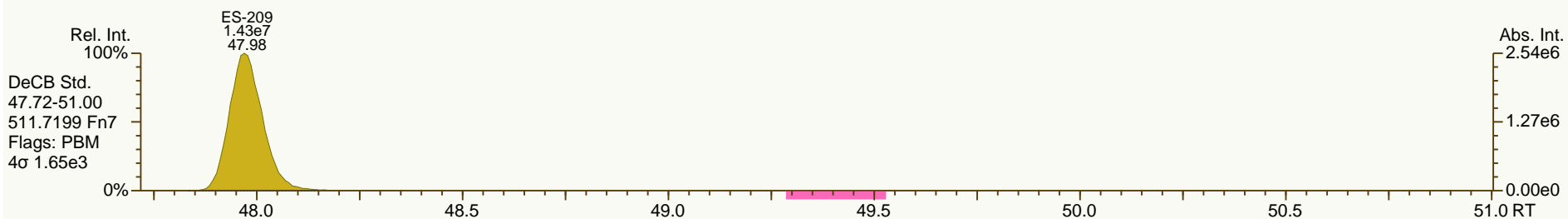
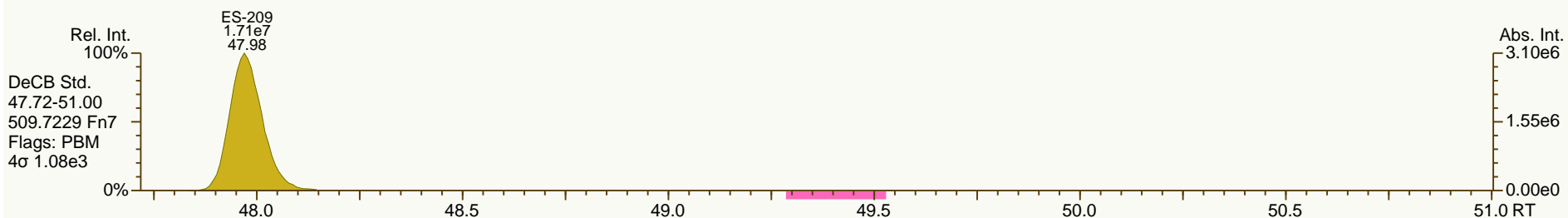
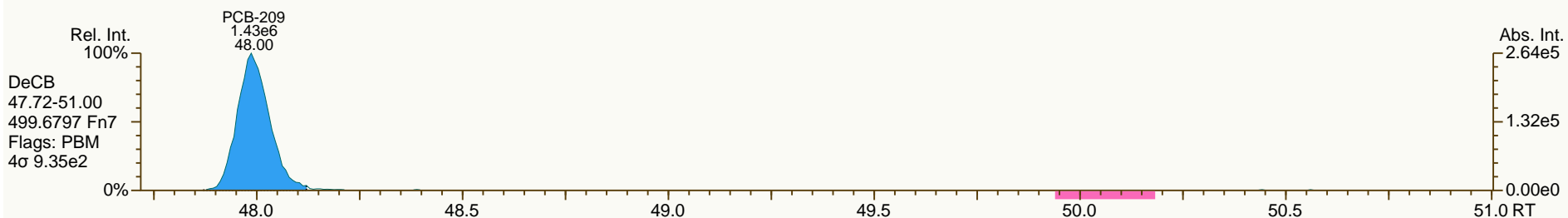
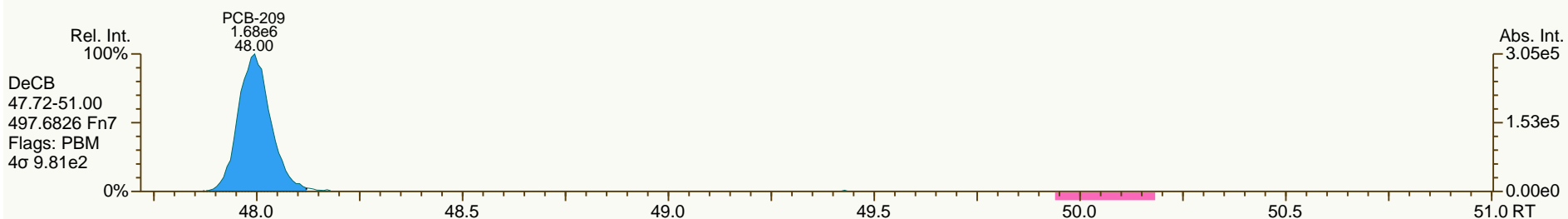












Results of JW-EA09-SS38-120507

Client Sample ID: **JW-EA09-SS38-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251002-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 13:50
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 53.50

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
2,3,7,8-TCDD	1.80			0.0516	0.493	pg/g	27.54	0.80
1,2,3,7,8-PeCDD	3.13			0.0785	2.47	pg/g	33.84	1.62
1,2,3,4,7,8-HxCDD	3.98			0.142	2.47	pg/g	38.48	1.22
1,2,3,6,7,8-HxCDD	12.8			0.163	2.47	pg/g	38.62	1.22
1,2,3,7,8,9-HxCDD	7.78			0.153	2.47	pg/g	38.97	1.20
1,2,3,4,6,7,8-HpCDD	161			0.534	2.47	pg/g	42.65	1.04
OCDD	1080			0.116	4.93	pg/g	46.40	0.89
2,3,7,8-TCDF	11.2			0.0475	0.493	pg/g	26.55	0.78
2,3,7,8-TCDF [confirm]	9.89			0.819	2.28	pg/g	21.23	0.84
1,2,3,7,8-PeCDF	3.03			0.0963	2.47	pg/g	32.10	1.51
2,3,4,7,8-PeCDF	5.21			0.0884	2.47	pg/g	33.44	1.55
1,2,3,4,7,8-HxCDF	3.43			0.0961	2.47	pg/g	37.32	1.18
1,2,3,6,7,8-HxCDF	2.82		DPE	0.0815	2.47	pg/g	37.48	1.31
2,3,4,6,7,8-HxCDF	3.78			0.0876	2.47	pg/g	38.27	1.26
1,2,3,7,8,9-HxCDF	ND		U	0.139	2.47	pg/g		
1,2,3,4,6,7,8-HpCDF	36.1			0.146	2.47	pg/g	41.37	1.03
1,2,3,4,7,8,9-HpCDF	2.56			0.180	2.47	pg/g	43.26	1.02
OCDF	68.8			0.0735	4.93	pg/g	46.64	0.88
Total TCDD	163			0.0516	0.493	pg/g		
Total TCDF	139	140		0.0475	0.493	pg/g		
Total PeCDD	111			0.0785	2.47	pg/g		
Total PeCDF	67.5	69.3	DPE	0.0923	2.47	pg/g		
Total HxCDD	184	187		0.152	2.47	pg/g		
Total HxCDF	66.5	67.7	DPE	0.0981	2.47	pg/g		
Total HpCDD	369			0.534	2.47	pg/g		
Total HpCDF	106			0.161	2.47	pg/g		

World Health Organization Summary

	<u>Units</u>	<u>ND=0</u>	<u>ND=½</u>	<u>ND=DL</u>
WHO-2005 TEQ	pg/g	13.4	13.4	13.4
WHO-2005 TEQ w/EMPC	pg/g	13.4	13.4	13.4

Results of JW-EA09-SS38-120507

Client Sample ID: **JW-EA09-SS38-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251002-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 13:50
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 53.50

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
13C-2378-TCDF	89.0				24.0-169	%		
13C-2378-TCDD	96.0				25.0-164	%		
13C-12378-PeCDD	85.0				25.0-181	%		
13C-123478-HxCDD	91.0				32.0-141	%		
13C-123678-HxCDD	85.0				28.0-130	%		
13C-1234678-HpCDD	100				23.0-140	%		
13C-OCDD	89.0				17.0-157	%		
13C-2378-TCDF	87.0				24.0-169	%		
13C-12378-PeCDF	80.0				24.0-185	%		
13C-23478-PeCDF	83.0				21.0-178	%		
13C-123478-HxCDF	89.0				26.0-152	%		
13C-123678-HxCDF	99.0				26.0-123	%		
13C-234678-HxCDF	98.0				29.0-147	%		
13C-123789-HxCDF	83.0				28.0-136	%		
13C-1234678-HpCDF	87.0				28.0-143	%		
13C-1234789-HpCDF	94.0				26.0-138	%		
37Cl-2378-TCDD	107				35.0-197	%		

Batch Information

Analytical Batch: **HRD1905**
 Analytical Method: **EPA 1613B**
 Instrument: **APHRMS**
 Analyst: **MDC**
 Analytical Date/Time: **10/28/2012 14:52**

Prep Batch: **HXX1816**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/16/2012 15:46**
 Prep Initial Wt./Vol.: **18.97 g**
 Prep Extract Vol: **20 uL**

Analytical Batch: **HRD1933**
 Analytical Method: **EPA 1613B**
 Instrument: **HRMS3**
 Analyst: **JHL**
 Analytical Date/Time: **11/13/2012 17:46**

Prep Batch: **HXX1816**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/16/2012 15:46**
 Prep Initial Wt./Vol.: **18.97 g**
 Prep Extract Vol: **20 uL**

Lab ID: A4723_10237_DF_004

Client ID: JW-EA09-SS38-120507

Datafile: 121028P1-08



Acq'd: 28 Oct 2012 14:52 MDC

TP: 29-Oct-2012 12:22 MDC

Report: 29 Oct 2012 13:42 MC

Wt/Vol: 10.14 g

J-level: 0.493 pg/g Split: 1

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

ICAL: 1613_SGS

Checkcode: 539-230-DSX

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.54		1.0009	1.0009	0	4.48E+05	0.80	Y	1.08	1.8	1054	0.0516
12378-PeCDD	33.84		1.0006	1.0005	-0.2	5.68E+05	1.62	Y	1.07	3.13	1227	0.0785
123478-HxCDD	38.48		1.0004	1.0004	0	5.46E+05	1.22	Y	1.05	3.97	1847	0.142
123678-HxCDD	38.62		1.0039	1.0040	+0.2	1.75E+06	1.22	Y	0.98	12.8	1847	0.163
123789-HxCDD	38.97		1.0129	1.0130	+0.2	1.06E+06	1.20	Y	1.01	7.78	1847	0.153
1234678-HpCDD	42.65		1.0005	1.0004	-0.3	2.16E+07	1.04	Y	1.09	161	6432	0.533
OCDD	46.40		1.0005	1.0004	-0.3	1.03E+08	0.89	Y	1.11	1,080	844	0.116
2378-TCDF	26.55		1.0009	1.0009	0	3.81E+06	0.78	Y	0.98	11.2	1230	0.0475
12378-PeCDF	32.10		1.0007	1.0006	-0.2	8.23E+05	1.51	Y	0.99	3.03	2357	0.0963
23478-PeCDF	33.44		1.0006	1.0010	+0.8	1.50E+06	1.55	Y	1.02	5.21	2357	0.0884
123478-HxCDF	37.32		1.0006	1.0005	-0.2	7.09E+05	1.18	Y	1.19	3.43	1880	0.0961
123678-HxCDF	37.48		1.0005	1.0005	0	7.00E+05	1.31	Y	1.16	2.82	1880	0.0815
234678-HxCDF	38.27		1.0006	1.0004	-0.5	9.05E+05	1.26	Y	1.18	3.78	1880	0.0876
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.09	-	1880	0.139
1234678-HpCDF	41.37		1.0004	1.0004	0	6.94E+06	1.03	Y	1.35	36.1	2451	0.145
1234789-HpCDF	43.26		1.0004	1.0004	0	4.08E+05	1.02	Y	1.34	2.56	2451	0.179
OCDF	46.64		1.0057	1.0056	-0.3	8.27E+06	0.88	Y	1.40	68.7	676	0.0735

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.52		1.0281	1.0278	-0.5	4.55E+07	0.80	Y	1.04	96.4
ES 12378-PeCDD	33.82		1.2639	1.2631	-1.3	3.34E+07	1.55	Y	0.87	84.9
ES 123478-HxCDD	38.47		0.9876	0.9876	0	2.58E+07	1.30	Y	0.94	90.5
ES 123678-HxCDD	38.60		0.9910	0.9911	+0.2	2.74E+07	1.26	Y	1.06	85
ES 1234678-HpCDD	42.63		1.0943	1.0946	+0.7	2.43E+07	1.06	Y	0.80	100
ES OCDD	46.38		1.1907	1.1907	0	3.40E+07	0.91	Y	0.63	88.8
ES 2378-TCDF	26.53		0.9907	0.9907	0	6.86E+07	0.79	Y	1.74	87.2
ES 12378-PeCDF	32.08		1.1992	1.1982	-1.6	5.41E+07	1.62	Y	1.49	80.1
ES 23478-PeCDF	33.40		1.2484	1.2476	-1.3	5.60E+07	1.56	Y	1.48	83.4
ES 123478-HxCDF	37.30		0.9577	0.9576	-0.2	3.44E+07	0.51	Y	1.27	88.8
ES 123678-HxCDF	37.46		0.9619	0.9619	0	4.24E+07	0.52	Y	1.41	98.8
ES 234678-HxCDF	38.25		0.9821	0.9821	0	4.02E+07	0.53	Y	1.34	98.3
ES 123789-HxCDF	39.37		1.0108	1.0109	+0.2	3.05E+07	0.54	Y	1.20	83.2
ES 1234678-HpCDF	41.36		1.0618	1.0618	0	2.81E+07	0.44	Y	1.06	87.3
ES 1234789-HpCDF	43.24		1.1100	1.1102	+0.5	2.35E+07	0.44	Y	0.82	94.3

Lab ID: A4723_10237_DF_004

Acq'd: 28 Oct 2012 14:52 MDC

Wt/Vol: 10.14 g

ICAL: 1613_SGS

Client ID: JW-EA09-SS38-120507

UTP: 29-Oct-2012 12:22 MDC

J-level: 0.493 pg/g Split: 1

Checkcode: 539-230-DSX

Datafile: 121028P1-08

Report: 29 Oct 2012 13:42 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.77		-	-	-	4.53E+07	0.78	Y	-	-
JS 123789-HxCDD	38.95		-	-	-	3.04E+07	1.27	Y	-	-
CS 37C1-2378-TCDD	27.54		1.0291	1.0287	-0.6	1.14E+07	n/a	-	1.17	107
SS 37C1-2378-TCDD	27.54	NA	1.0291	1.0287	-0.6	1.14E+07	n/a	-	1.12	111

Totals	Conc	EMPC	EDL
Total TCDD	163	163	0.0516
Total PeCDD	111	111	0.0785
Total HxCDD	184	186	0.152
Total HpCDD	369	369	0.533
Total Tetra-Octa Dioxins	1900	1910	
Total TCDF	139	140	0.0475
Total PeCDF	67.5	69.3	0.0922
Total HxCDF	66.4	67.6	0.098
Total HpCDF	106	106	0.161
Total Tetra-Octa Furans	448	452	
Total Tetra-Octa Dioxins & Furans	2350	2360	

Lab ID: A4723_10237_DF_004

Acq'd: 28 Oct 2012 14:52 MDC

Wt/Vol: 10.14 g

ICAL: 1613_SGS

Client ID: JW-EA09-SS38-120507

UTP: 29-Oct-2012 12:22 MDC

J-level: 0.493 pg/g Split: 1

Checkcode: 539-230-DSX

Datafile: 121028P1-08

Report: 29 Oct 2012 13:42 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
TCDD	23.43		0.8504	0.8515	+1.8	1.74E+07	0.78	Y	1.08	69.9	1054	0.0516
TCDD	23.83		0.8649	0.8661	+2.0	1.11E+07	0.78	Y	1.08	44.6	1054	0.0516
TCDD	24.31		0.8835	0.8833	-0.3	4.33E+05	0.84	Y	1.08	1.73	1054	0.0516
TCDD	25.18		0.9152	0.9152	0	9.22E+05	0.80	Y	1.08	3.69	1054	0.0516
TCDD	25.44		0.9241	0.9246	+0.8	1.60E+06	0.79	Y	1.08	6.4	1054	0.0516
TCDD	25.67		0.9327	0.9328	+0.2	2.15E+06	0.79	Y	1.08	8.6	1054	0.0516
TCDD	25.89		0.9408	0.9407	-0.2	5.03E+05	0.87	Y	1.08	2.02	1054	0.0516
TCDD	26.16		0.9512	0.9507	-0.8	1.30E+05	0.79	Y	1.08	0.521	1054	0.0516
TCDD	26.36		0.9580	0.9581	+0.2	5.66E+05	0.80	Y	1.08	2.27	1054	0.0516
TCDD	26.80		0.9736	0.9739	+0.5	2.49E+06	0.79	Y	1.08	9.97	1054	0.0516
TCDD	26.93		0.9785	0.9787	+0.3	1.46E+05	0.76	Y	1.08	0.583	1054	0.0516
TCDD	27.22		0.9884	0.9892	+1.3	2.13E+06	0.79	Y	1.08	8.52	1054	0.0516
TCDD	27.38		0.9945	0.9949	+0.7	1.90E+05	0.69	Y	1.08	0.763	1054	0.0516
2378-TCDD	27.54		1.0009	1.0009	0	4.48E+05	0.80	Y	1.08	1.8	1054	0.0516
TCDD	27.93		1.0147	1.0148	+0.2	3.28E+05	0.86	Y	1.08	1.31	1054	0.0516
TCDD	28.08		1.0206	1.0203	-0.5	7.83E+04	0.84	Y	1.08	0.313	1054	0.0516
TCDD	28.67		1.0423	1.0420	-0.5	7.58E+04	0.86	Y	1.08	0.304	1054	0.0516
PeCDD	30.88		0.9131	0.9130	-0.2	5.66E+06	1.60	Y	1.07	31.2	1227	0.0785
PeCDD	31.51		0.9319	0.9316	-0.6	2.86E+05	1.56	Y	1.07	1.58	1227	0.0785
PeCDD	32.16		0.9511	0.9509	-0.4	5.63E+06	1.60	Y	1.07	31	1227	0.0785
PeCDD	32.37		0.9576	0.9572	-0.8	6.77E+05	1.61	Y	1.07	3.73	1227	0.0785
PeCDD	32.50		0.9611	0.9610	-0.2	4.22E+06	1.54	Y	1.07	23.3	1227	0.0785
PeCDD	32.80		0.9703	0.9700	-0.6	6.39E+05	1.50	Y	1.07	3.52	1227	0.0785
PeCDD	33.24		0.9829	0.9830	+0.2	2.08E+06	1.55	Y	1.07	11.4	1227	0.0785
12378-PeCDD	33.84		1.0006	1.0005	-0.2	5.68E+05	1.62	Y	1.07	3.13	1227	0.0785
PeCDD	33.95		1.0039	1.0038	-0.2	2.00E+05	1.43	Y	1.07	1.1	1227	0.0785
PeCDD	34.36		1.0161	1.0159	-0.4	2.09E+05	1.49	Y	1.07	1.15	1227	0.0785
HxCDD	36.45		0.9479	0.9477	-0.5	4.29E+06	1.25	Y	1.01	31.4	1847	0.152
HxCDD	37.24		0.9682	0.9681	-0.2	1.01E+07	1.23	Y	1.01	74.1	1847	0.152
HxCDD	37.59		0.9771	0.9771	0	6.85E+06	1.24	Y	1.01	50.1	1847	0.152
HxCDD	37.73		0.9811	0.9810	-0.2	5.23E+05	1.15	Y	1.01	3.82	1847	0.152
123478-HxCDD	38.48		1.0004	1.0004	0	5.46E+05	1.22	Y	1.05	3.97	1847	0.142
123678-HxCDD	38.62		1.0039	1.0040	+0.2	1.75E+06	1.22	Y	0.98	12.8	1847	0.163
HxCDD	38.84		1.0097	1.0097	0	3.42E+05	1.43	N	1.01	2.5	1847	0.152
123789-HxCDD	38.97		1.0129	1.0130	+0.2	1.06E+06	1.20	Y	1.01	7.78	1847	0.153

Lab ID: A4723_10237_DF_004

Acq'd: 28 Oct 2012 14:52 MDC

Wt/Vol: 10.14 g

ICAL: 1613_SGS

Client ID: JW-EA09-SS38-120507

UTP: 29-Oct-2012 12:22 MDC

J-level: 0.493 pg/g Split: 1

Checkcode: 539-230-DSX

Datafile: 121028P1-08

Report: 29 Oct 2012 13:42 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
HpCDD	41.74		0.9793	0.9791	-0.5	2.79E+07	1.05	Y	1.09	208	6432	0.533
1234678-HpCDD	42.65		1.0005	1.0004	-0.3	2.16E+07	1.04	Y	1.09	161	6432	0.533
OCDD	46.40		1.0005	1.0004	-0.3	1.03E+08	0.89	Y	1.11	1,080	844	0.116
OCDD-a	46.39		1.0001	1.0002	+0.3	5.85E+06	2.38	Y	1.00	67.9	1107	0.168
TCDF	21.23		0.7983	0.8004	+3.3	2.02E+06	0.78	Y	0.98	5.97	1230	0.0475
TCDF	21.80		0.8218	0.8217	-0.2	1.42E+06	0.77	Y	0.98	4.19	1230	0.0475
TCDF	22.45		0.8463	0.8462	-0.2	3.24E+06	0.80	Y	0.98	9.54	1230	0.0475
TCDF	22.88		0.8625	0.8625	0	1.30E+06	0.77	Y	0.98	3.84	1230	0.0475
TCDF	23.02		0.8677	0.8677	0	5.56E+06	0.78	Y	0.98	16.4	1230	0.0475
TCDF	23.29		0.8787	0.8780	-1.1	8.68E+05	0.78	Y	0.98	2.56	1230	0.0475
TCDF	23.43		0.8840	0.8833	-1.1	3.52E+06	0.76	Y	0.98	10.4	1230	0.0475
TCDF	23.86		0.8998	0.8996	-0.3	2.42E+06	0.78	Y	0.98	7.13	1230	0.0475
TCDF	24.01		0.9054	0.9052	-0.3	1.06E+06	0.76	Y	0.98	3.11	1230	0.0475
TCDF	24.20		0.9125	0.9123	-0.3	2.04E+06	0.78	Y	0.98	6.02	1230	0.0475
TCDF	24.61		0.9279	0.9278	-0.2	9.98E+05	0.78	Y	0.98	2.94	1230	0.0475
TCDF	24.75		0.9334	0.9333	-0.2	1.59E+06	0.77	Y	0.98	4.68	1230	0.0475
TCDF	24.92		0.9381	0.9397	+2.5	3.20E+06	0.75	Y	0.98	9.42	1230	0.0475
TCDF	25.05		0.9439	0.9443	+0.6	2.35E+06	0.82	Y	0.98	6.94	1230	0.0475
TCDF	25.54		0.9630	0.9630	0	3.29E+06	0.78	Y	0.98	9.7	1230	0.0475
TCDF	25.66		0.9674	0.9674	0	1.71E+05	0.82	Y	0.98	0.504	1230	0.0475
TCDF	25.85		0.9746	0.9747	+0.2	1.24E+06	0.79	Y	0.98	3.66	1230	0.0475
TCDF	26.06		0.9829	0.9824	-0.8	7.76E+05	0.77	Y	0.98	2.29	1230	0.0475
TCDF	26.30		0.9916	0.9917	+0.2	1.29E+06	0.74	Y	0.98	3.81	1230	0.0475
TCDF	26.42		0.9963	0.9961	-0.3	8.08E+05	0.81	Y	0.98	2.38	1230	0.0475
2378-TCDF	26.55		1.0009	1.0009	0	3.81E+06	0.78	Y	0.98	11.2	1230	0.0475
TCDF	26.97		1.0166	1.0166	0	3.62E+06	0.79	Y	0.98	10.7	1230	0.0475
TCDF	27.24		1.0274	1.0268	-1.0	2.45E+05	0.85	Y	0.98	0.723	1230	0.0475
TCDF	27.55		1.0390	1.0387	-0.5	1.67E+05	0.76	Y	0.98	0.491	1230	0.0475
TCDF	28.85		1.0886	1.0876	-1.6	5.03E+05	1.02	N	0.98	1.48	1230	0.0475
PeCDF	28.83		0.8975	0.8988	+2.5	6.63E+06	1.60	Y	1.00	23.7	922	0.0361
PeCDF	30.61		0.9542	0.9542	0	1.33E+06	1.52	Y	1.00	4.75	2357	0.0922
PeCDF	30.80		0.9587	0.9599	+2.3	4.12E+06	1.47	Y	1.00	14.7	2357	0.0922
PeCDF	30.91		0.9636	0.9635	-0.2	5.56E+05	1.61	Y	1.00	1.99	2357	0.0922
PeCDF	31.01		0.9671	0.9668	-0.6	1.97E+05	1.45	Y	1.00	0.703	2357	0.0922
PeCDF	31.30		0.9760	0.9758	-0.4	2.39E+05	1.36	Y	1.00	0.854	2357	0.0922
PeCDF	31.47		0.9810	0.9811	+0.2	1.39E+05	1.28	N	1.00	0.498	2357	0.0922

Lab ID: A4723_10237_DF_004

Acq'd: 28 Oct 2012 14:52 MDC

Wt/Vol: 10.14 g

ICAL: 1613_SGS

Client ID: JW-EA09-SS38-120507

UTP: 29-Oct-2012 12:22 MDC

J-level: 0.493 pg/g Split: 1

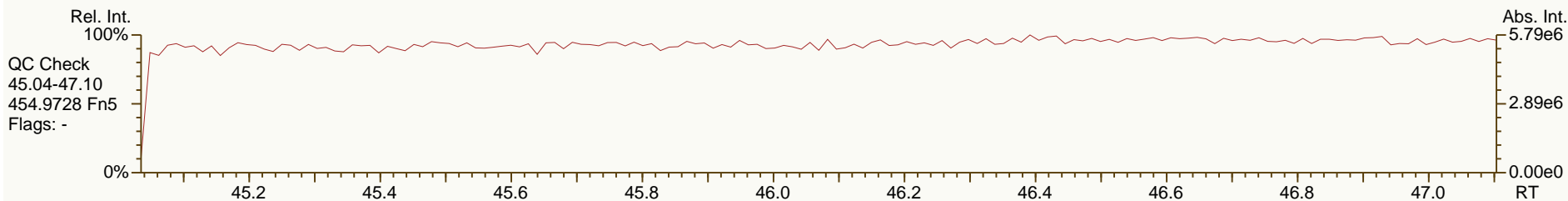
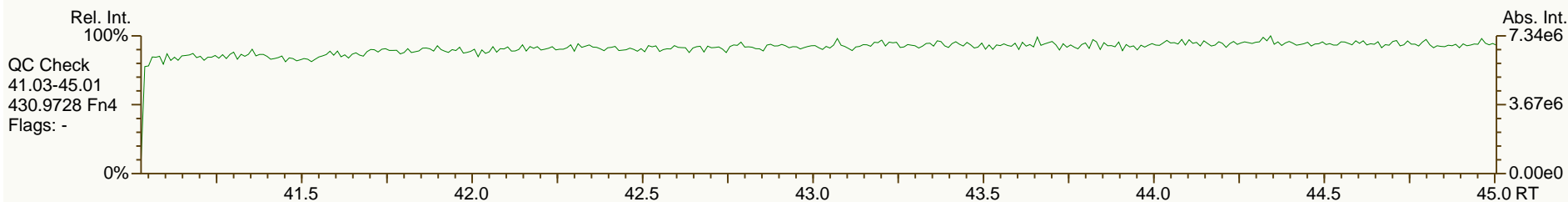
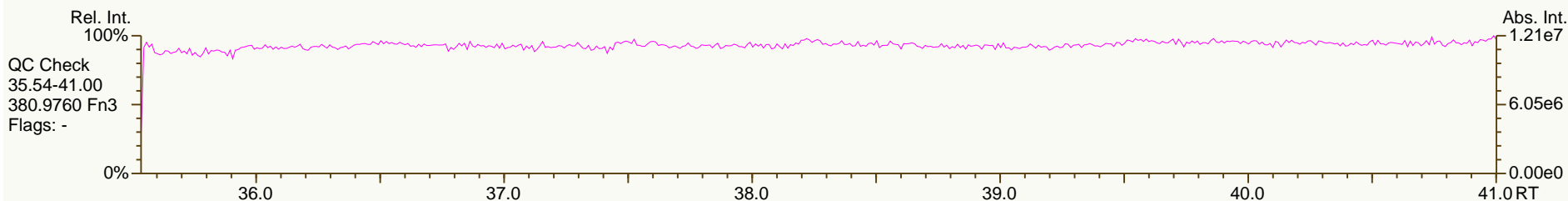
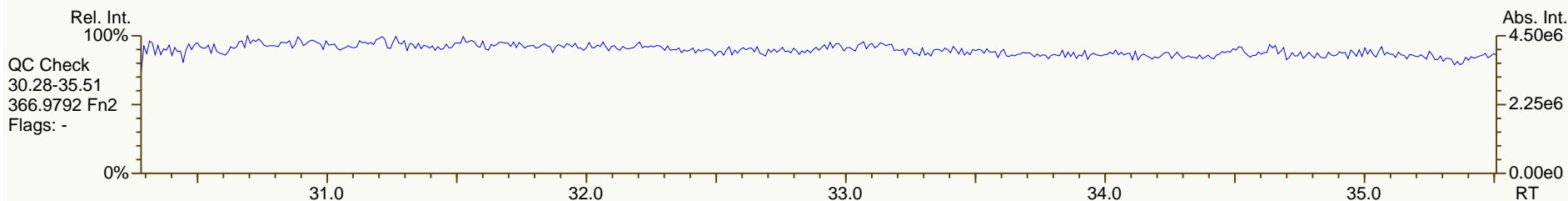
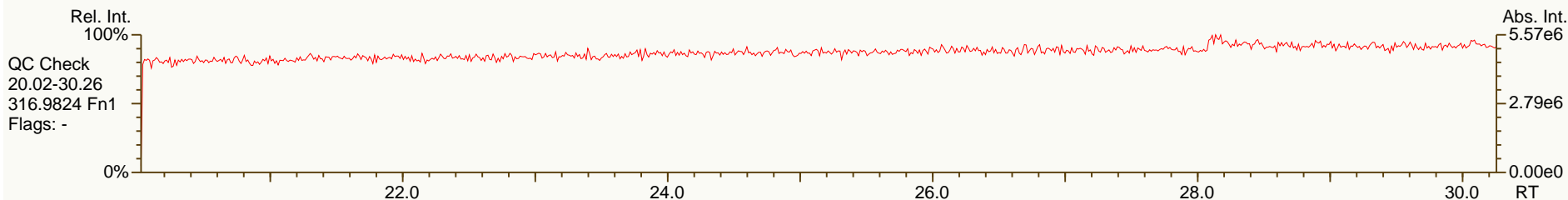
Checkcode: 539-230-DSX

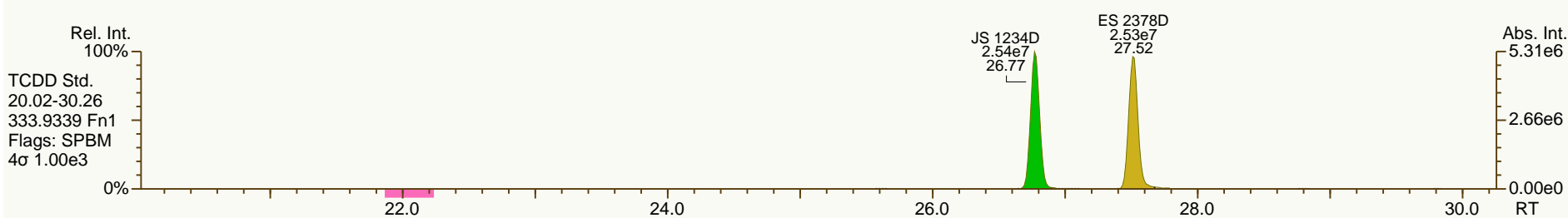
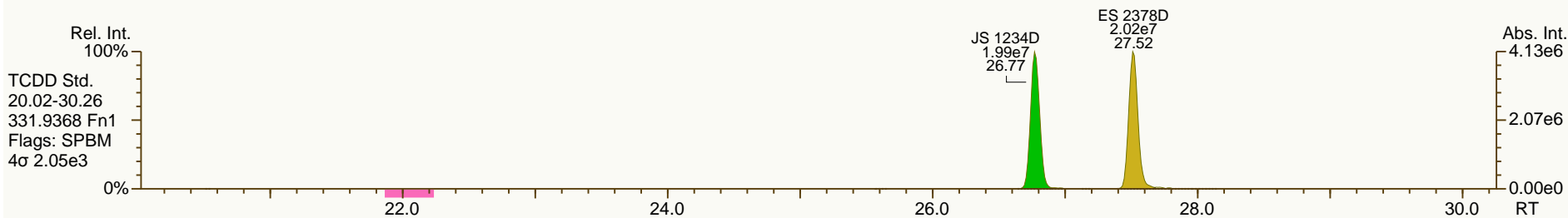
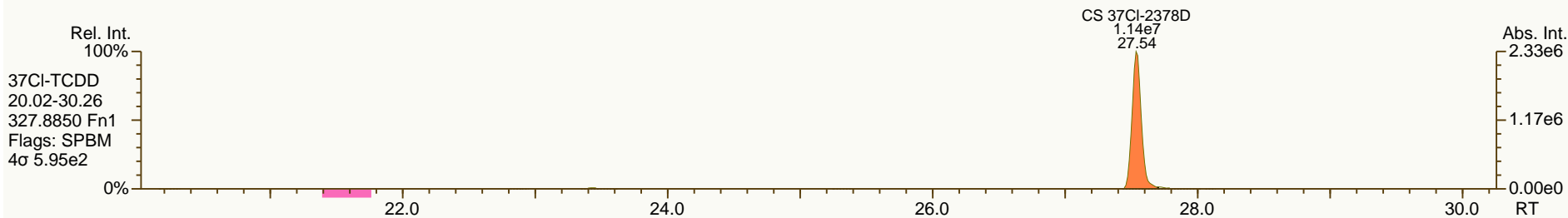
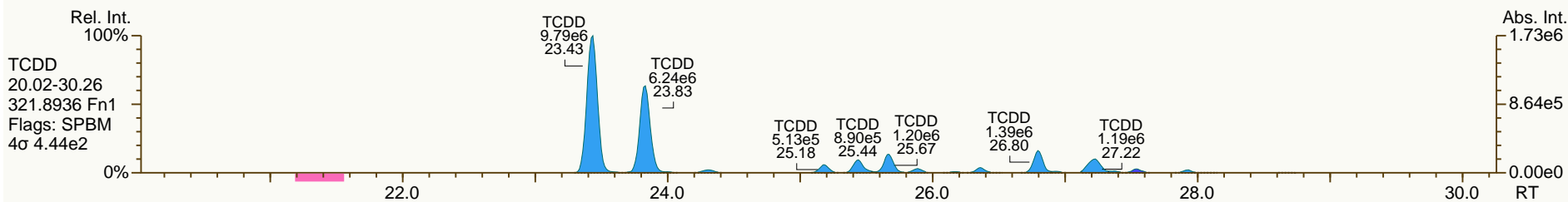
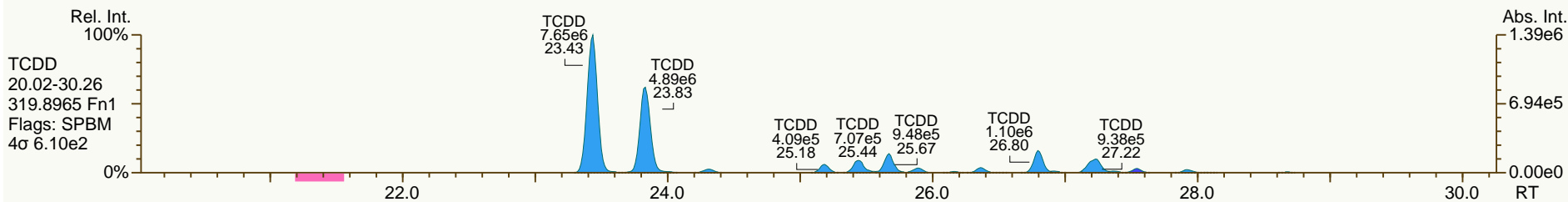
Datafile: 121028P1-08

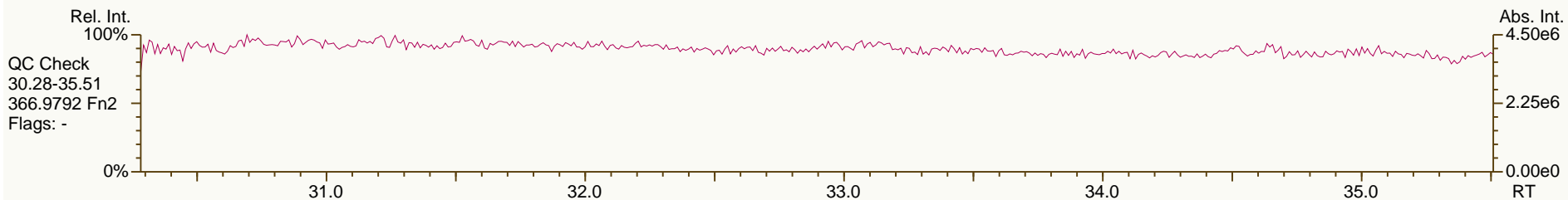
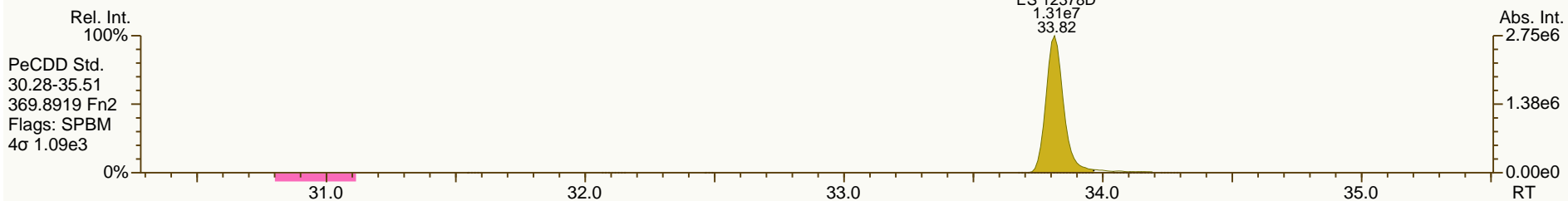
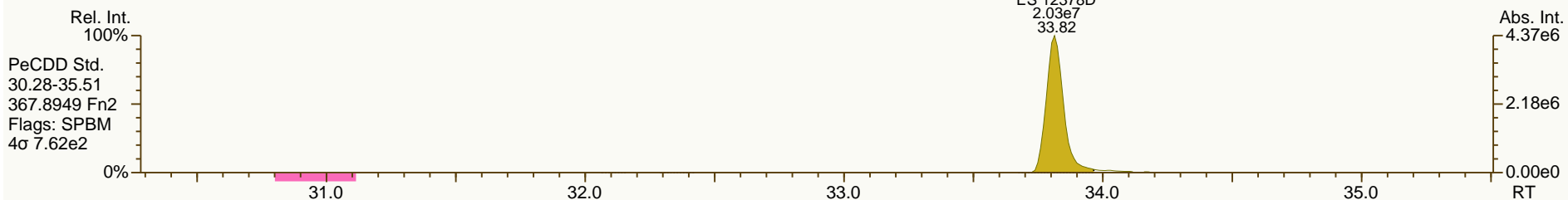
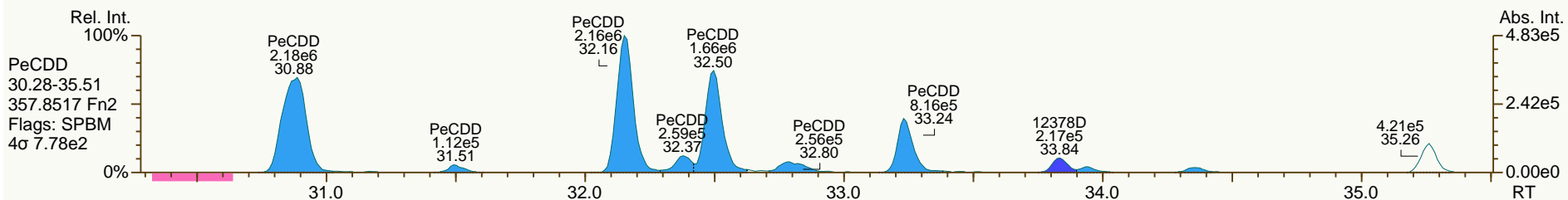
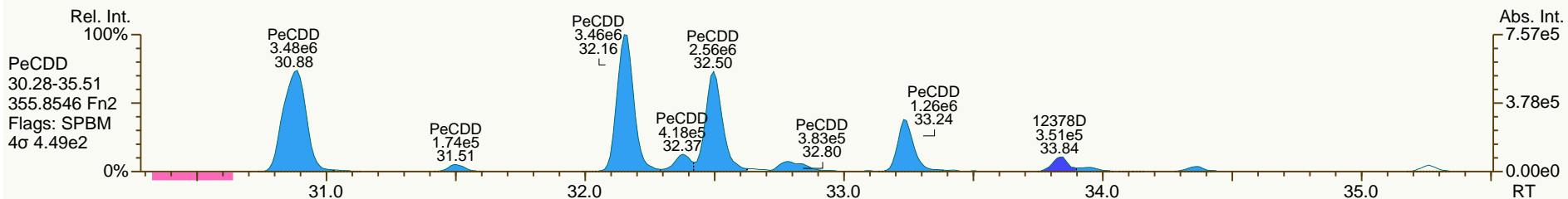
Report: 29 Oct 2012 13:42 MC

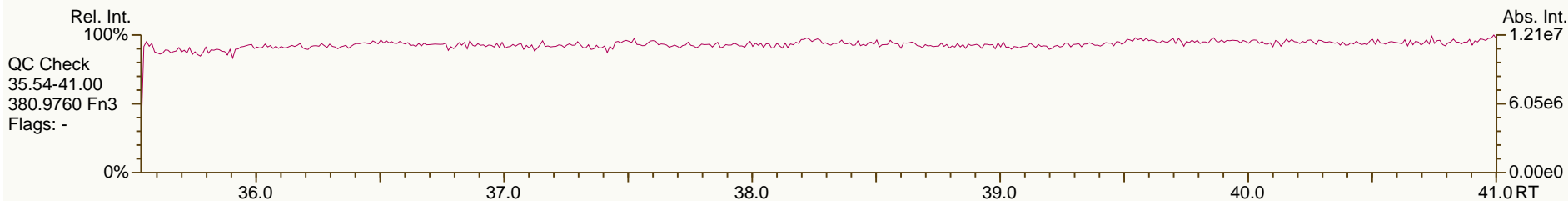
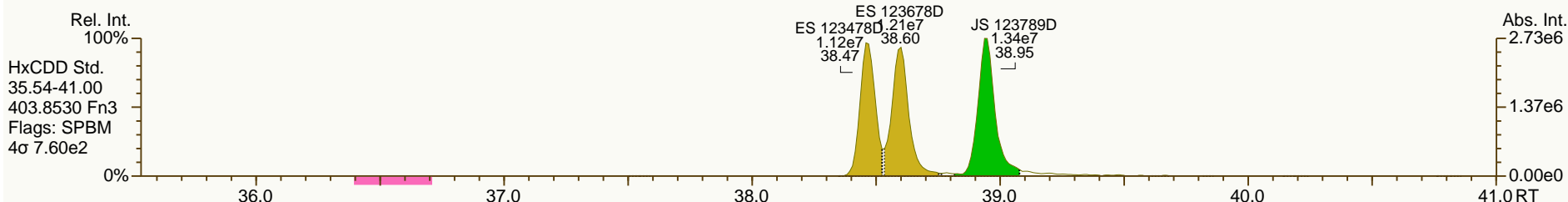
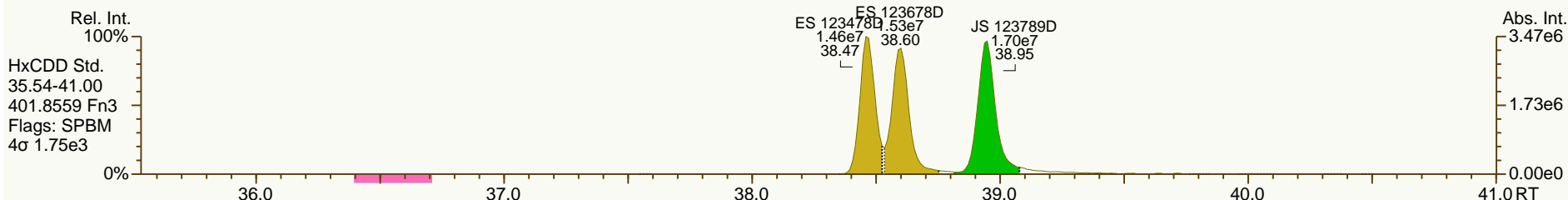
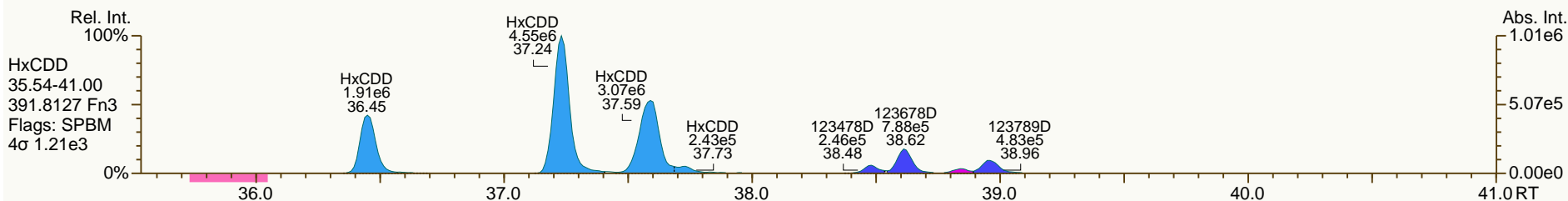
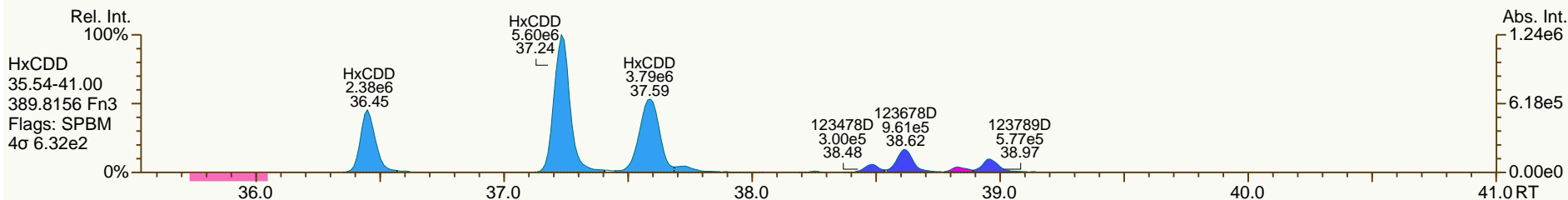
StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

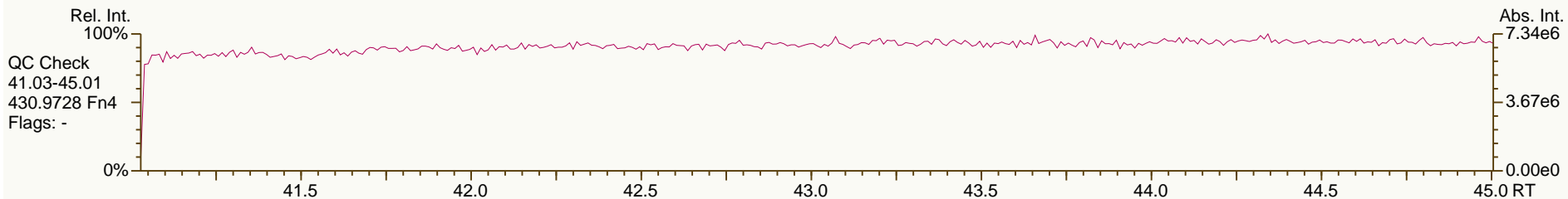
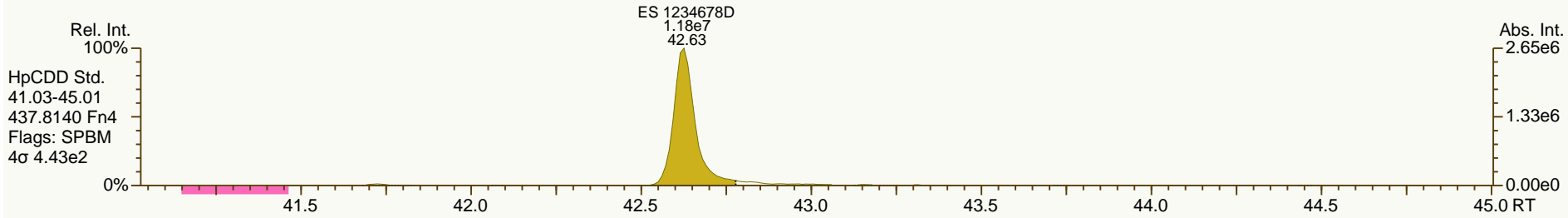
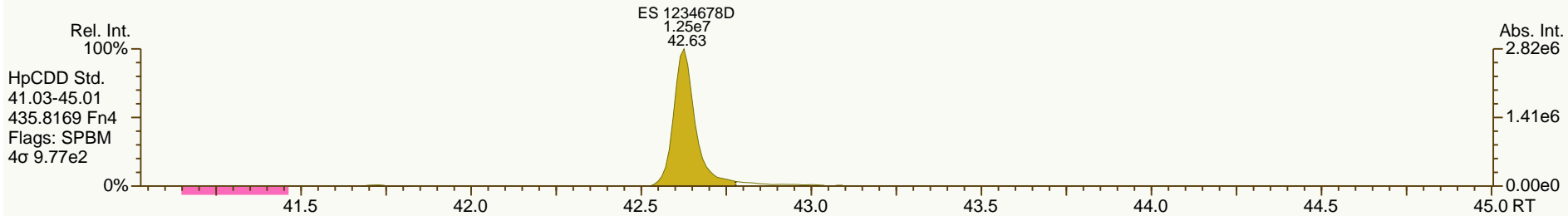
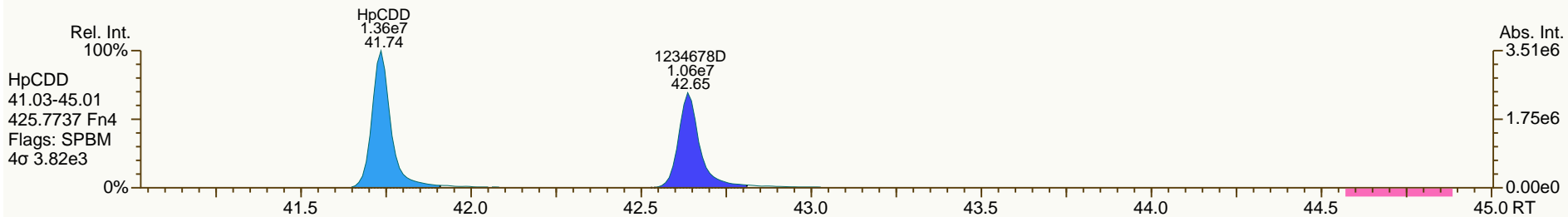
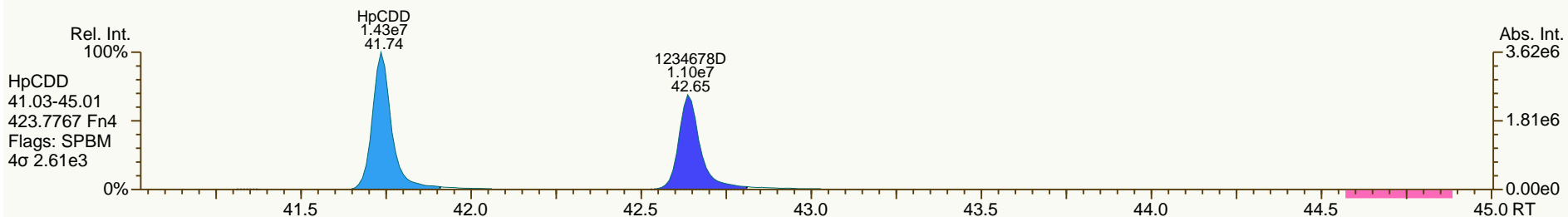
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
PeCDF	31.58		0.9847	0.9844	-0.6	1.39E+06	1.49	Y	1.00	4.95	2357	0.0922
PeCDF	31.66		0.9870	0.9869	-0.2	2.67E+05	1.51	Y	1.00	0.955	2357	0.0922
PeCDF	31.85		0.9930	0.9929	-0.2	2.55E+05	1.31	N	1.00	0.912	2357	0.0922
12378-PeCDF	32.10		1.0007	1.0006	-0.2	8.23E+05	1.51	Y	0.99	3.03	2357	0.0963
PeCDF	32.43		1.0113	1.0107	-1.2	1.03E+06	1.52	Y	1.00	3.68	2357	0.0922
PeCDF	32.63		1.0169	1.0171	+0.4	1.04E+05	1.79	N	1.00	0.373	2357	0.0922
PeCDF	33.12		0.9917	0.9914	-0.6	1.50E+05	1.59	Y	1.00	0.535	2357	0.0922
PeCDF	33.28		0.9962	0.9961	-0.2	6.05E+05	1.39	Y	1.00	2.16	2357	0.0922
23478-PeCDF	33.44		1.0006	1.0010	+0.8	1.50E+06	1.55	Y	1.02	5.21	2357	0.0884
PeCDF	NotFnd		0.0000						1.02		0	0
PeCDF	NotFnd		1.0023						1.00		2357	0.0922
PeCDF	NotFnd		1.0120						1.00		2357	0.0922
PeCDF	34.70		1.0389	1.0387	-0.4	7.96E+04	1.58	Y	1.00	0.284	2357	0.0922
HxCDF	35.67		0.9565	0.9562	-0.7	1.56E+06	1.23	Y	1.15	7.23	1880	0.098
HxCDF	35.90		0.9627	0.9626	-0.2	4.90E+06	1.24	Y	1.15	22.8	1880	0.098
HxCDF	36.17		0.9700	0.9697	-0.7	1.16E+05	1.29	Y	1.15	0.538	1880	0.098
HxCDF	36.41		0.9762	0.9761	-0.2	2.67E+05	1.32	Y	1.15	1.24	1880	0.098
HxCDF	36.68		0.9833	0.9834	+0.2	4.87E+06	1.24	Y	1.15	22.6	1880	0.098
HxCDF	37.18		0.9968	0.9967	-0.2	2.50E+05	1.46	N	1.15	1.16	1880	0.098
123478-HxCDF	37.32		1.0006	1.0005	-0.2	7.09E+05	1.18	Y	1.19	3.43	1880	0.0961
123678-HxCDF	37.48		1.0005	1.0005	0	7.00E+05	1.31	Y	1.16	2.82	1880	0.0815
HxCDF	37.66		1.0055	1.0053	-0.4	8.82E+04	1.38	Y	1.15	0.41	1880	0.098
HxCDF	37.84		1.0102	1.0100	-0.4	1.06E+05	1.28	Y	1.15	0.493	1880	0.098
HxCDF	38.00		0.9933	0.9934	+0.2	7.66E+04	1.13	Y	1.15	0.356	1880	0.098
234678-HxCDF	38.27		1.0006	1.0004	-0.5	9.05E+05	1.26	Y	1.18	3.78	1880	0.0876
HxCDF	NotFnd		0.0000						1.18		0	0
HxCDF	NotFnd		1.0009						1.15		1880	0.098
123789-HxCDF	NotFnd		1.0005						1.09		1880	0.139
HxCDF	NotFnd		0.0000						1.09		0	0
123489-HxCDF	39.42		1.0013	1.0012	-0.2	1.62E+05	1.33	Y	1.15	0.752	1880	0.098
1234678-HpCDF	41.37		1.0004	1.0004	0	6.94E+06	1.03	Y	1.35	36.1	2451	0.145
HpCDF	41.74		1.0091	1.0091	0	2.90E+05	1.06	Y	1.34	1.65	2451	0.161
HpCDF	41.92		1.0140	1.0136	-1.0	1.16E+07	1.03	Y	1.34	66	2451	0.161
1234789-HpCDF	43.26		1.0004	1.0004	0	4.08E+05	1.02	Y	1.34	2.56	2451	0.179
OCDF	46.64		1.0057	1.0056	-0.3	8.27E+06	0.88	Y	1.40	68.7	676	0.0735
OCDF-a	46.61		1.0053	1.0049	-1.1	2.74E+05	2.12	N	1.00	3.18	807	0.122

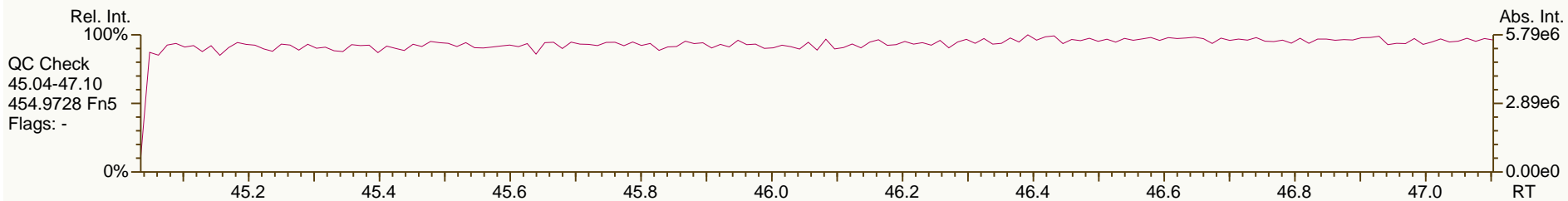
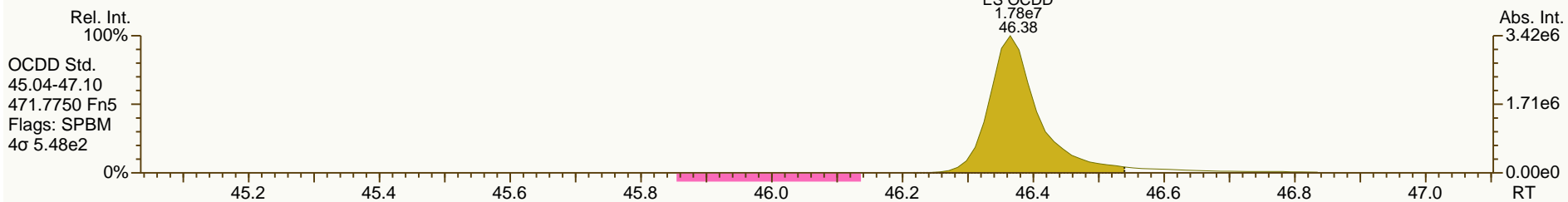
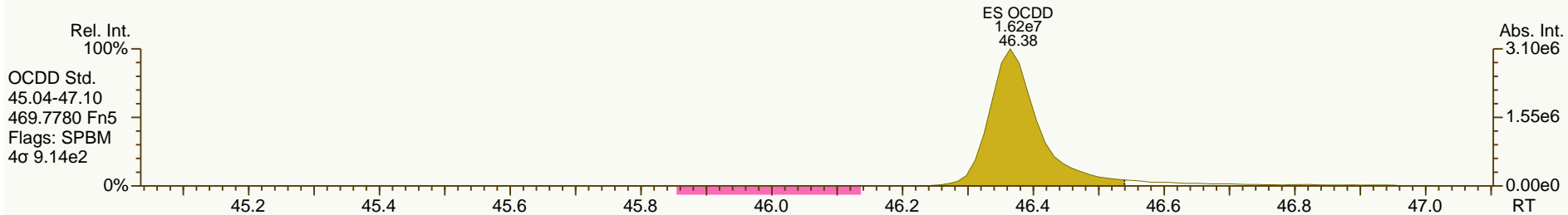
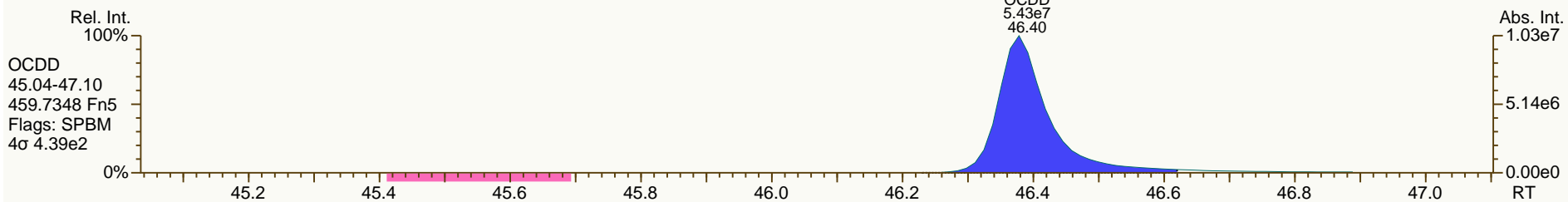
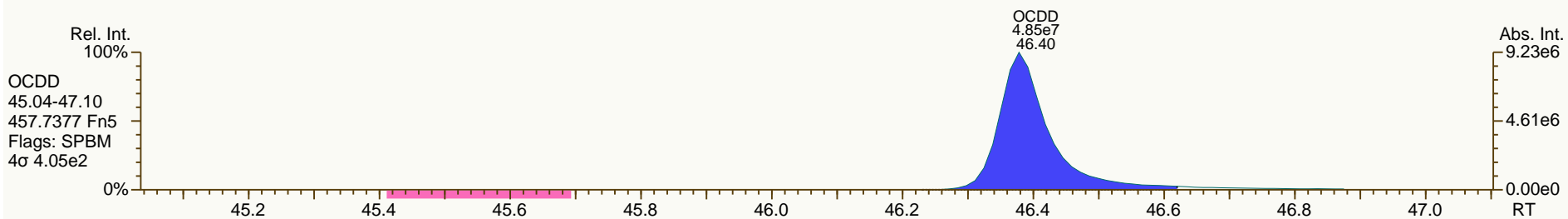


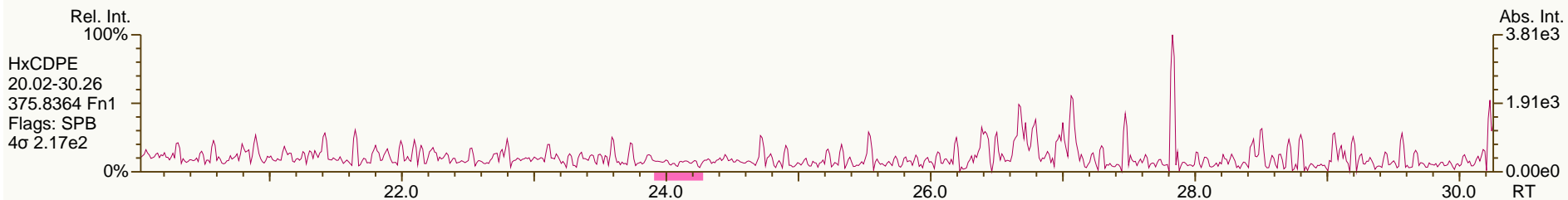
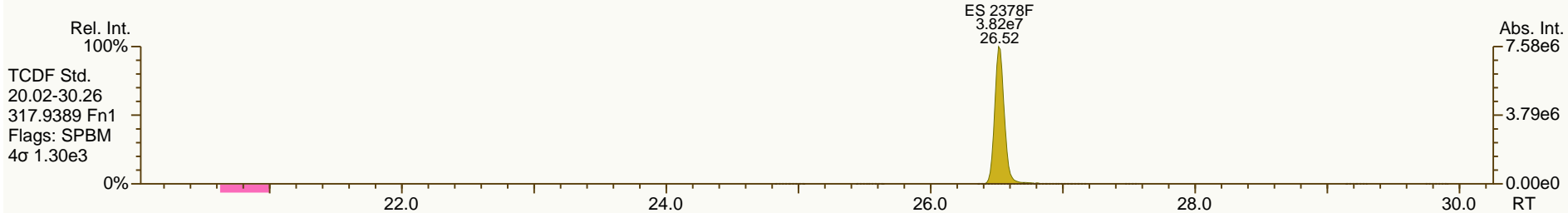
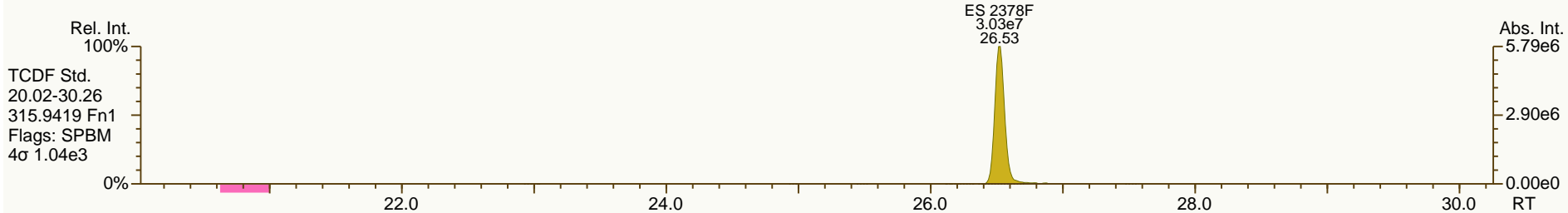
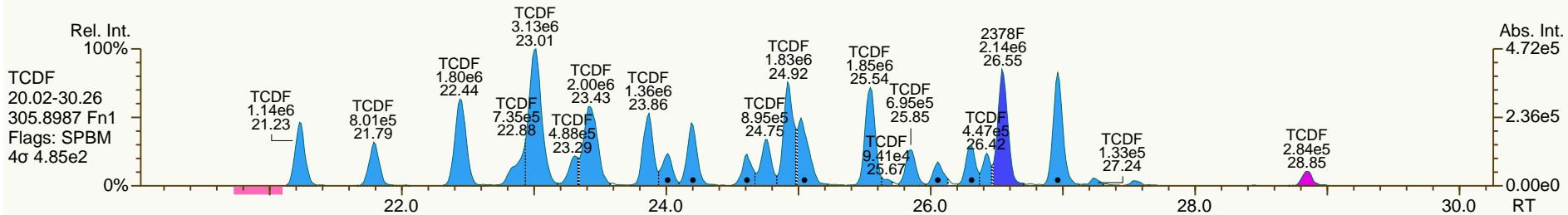
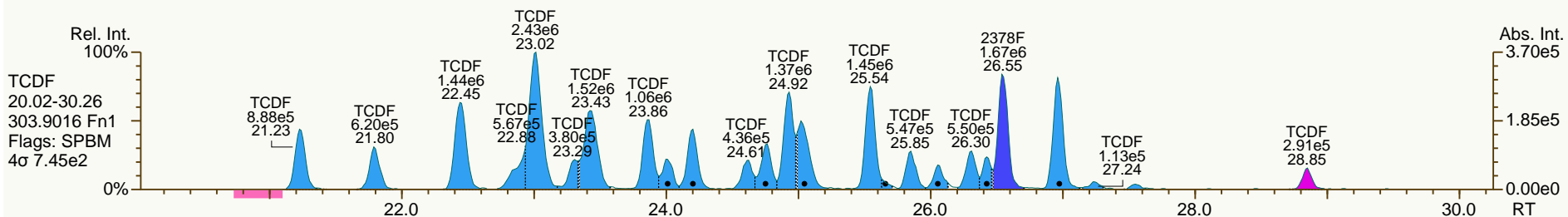


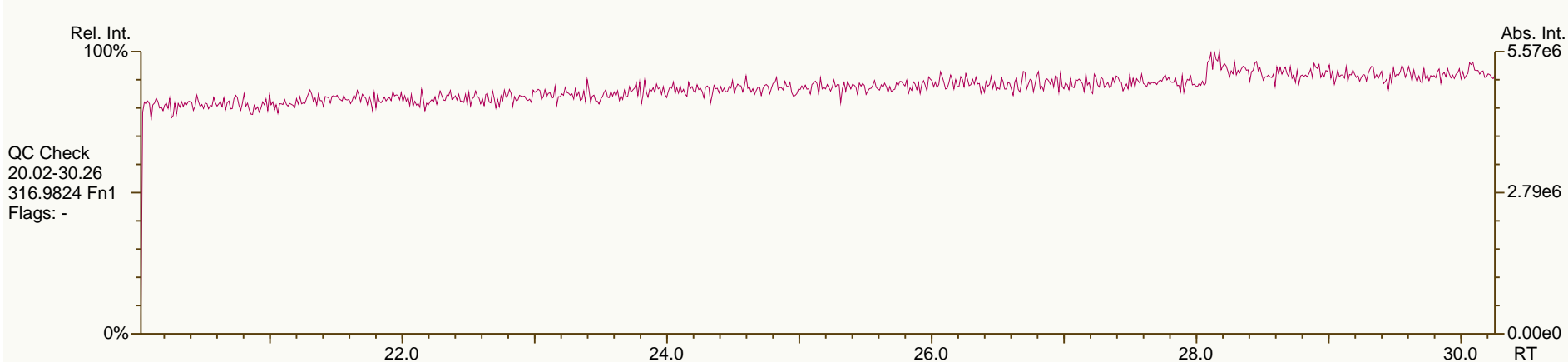
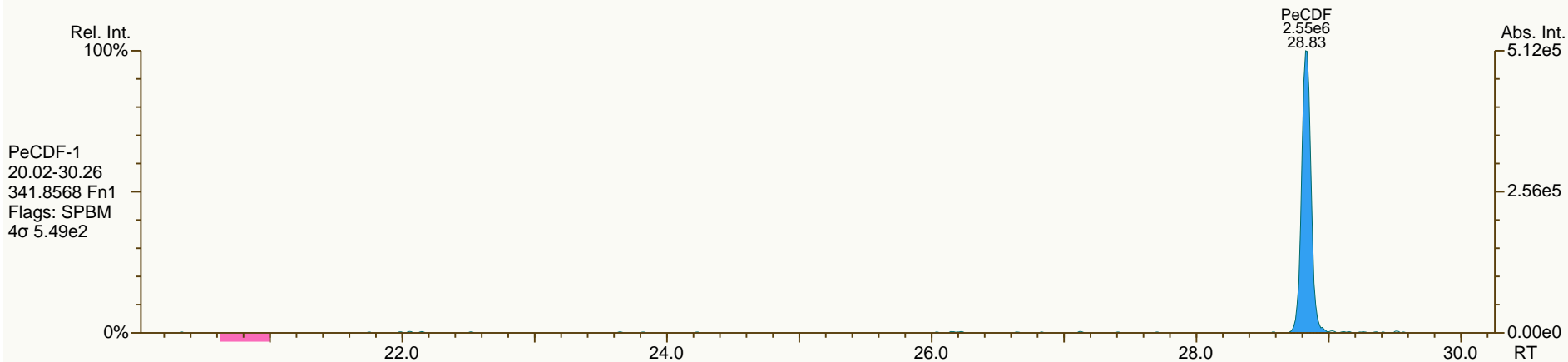
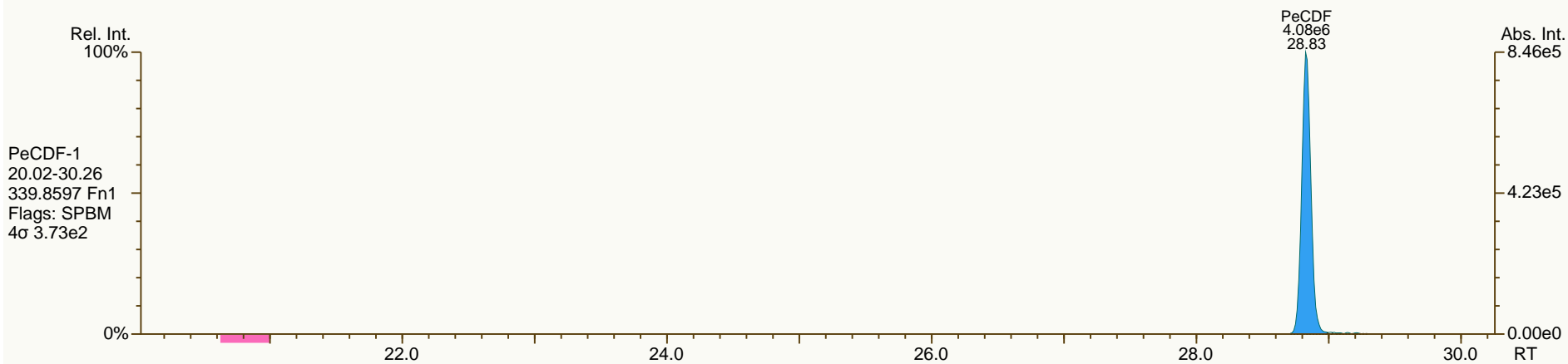


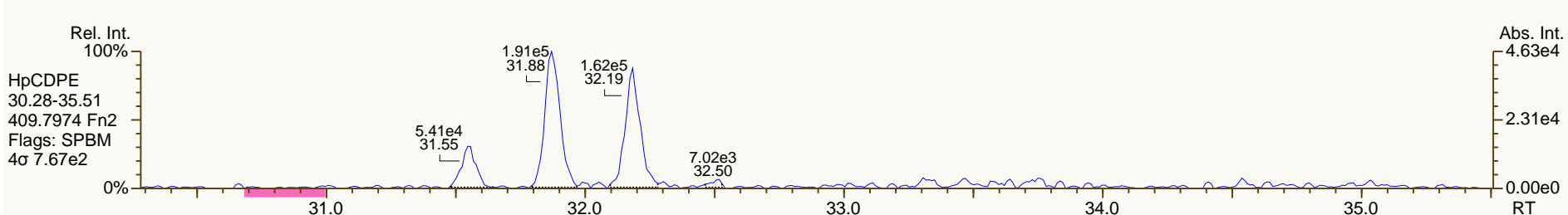
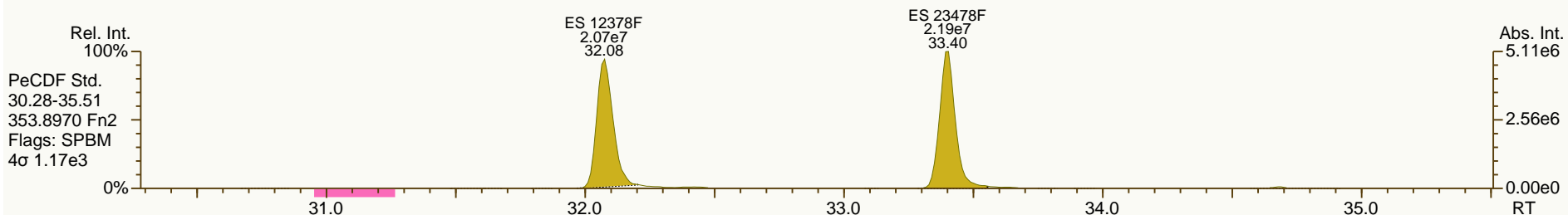
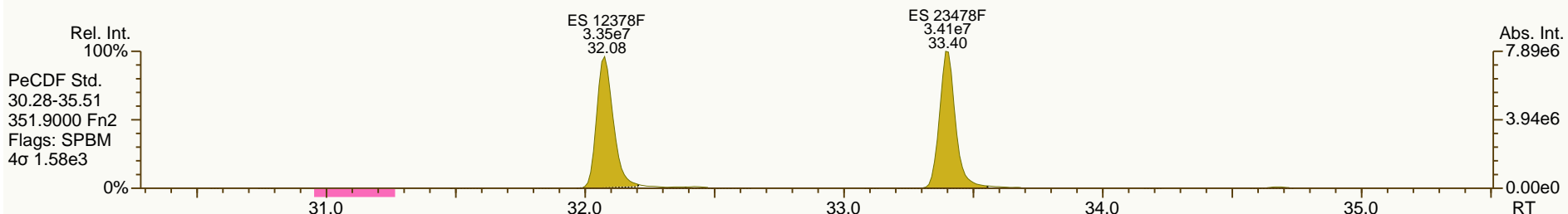
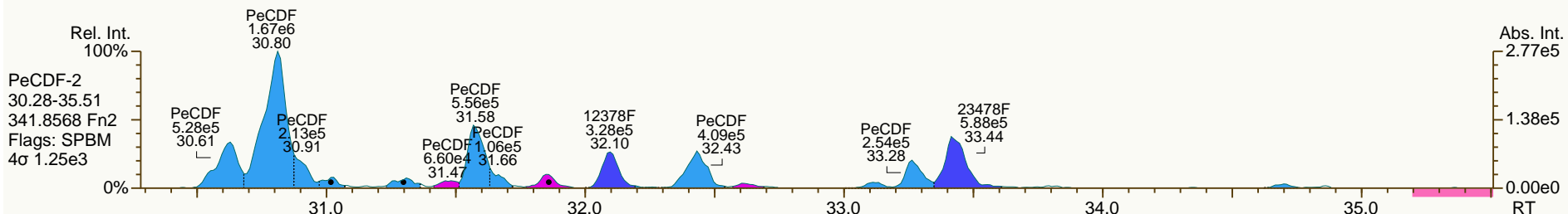
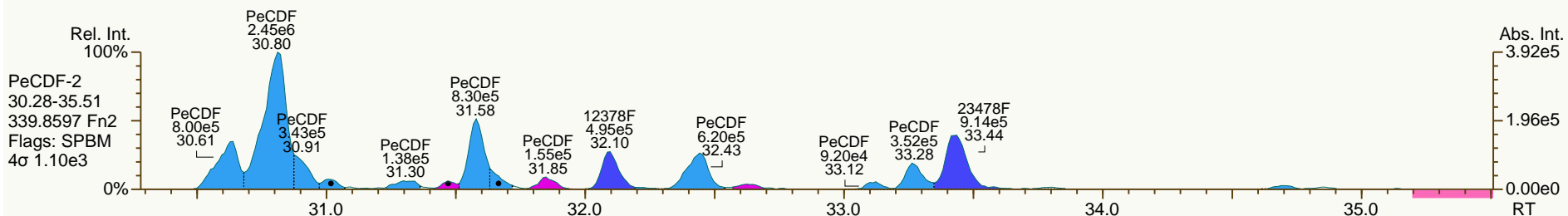


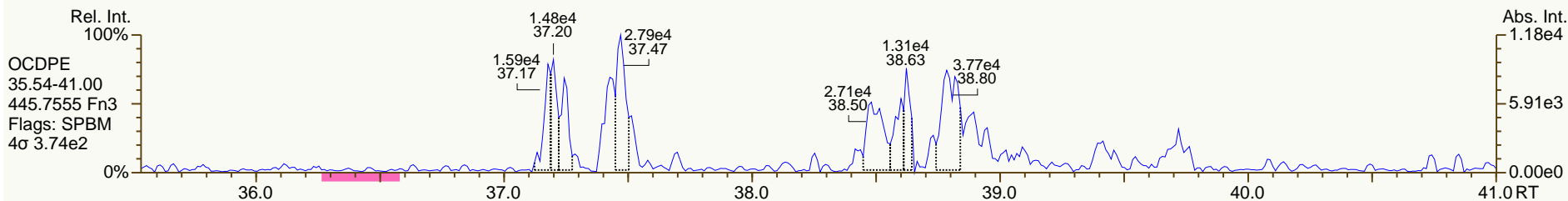
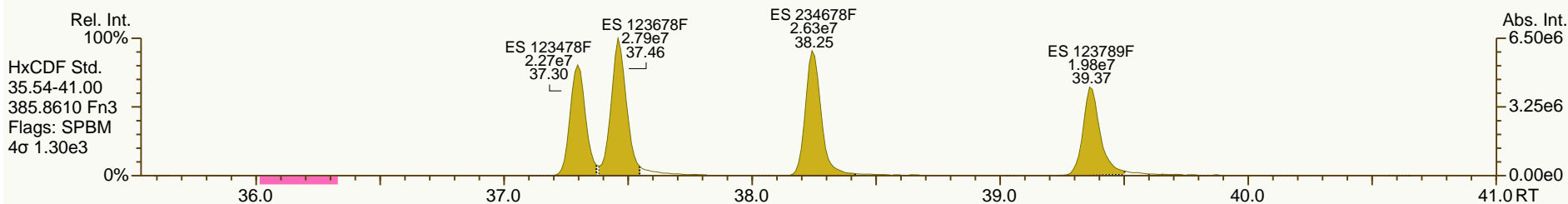
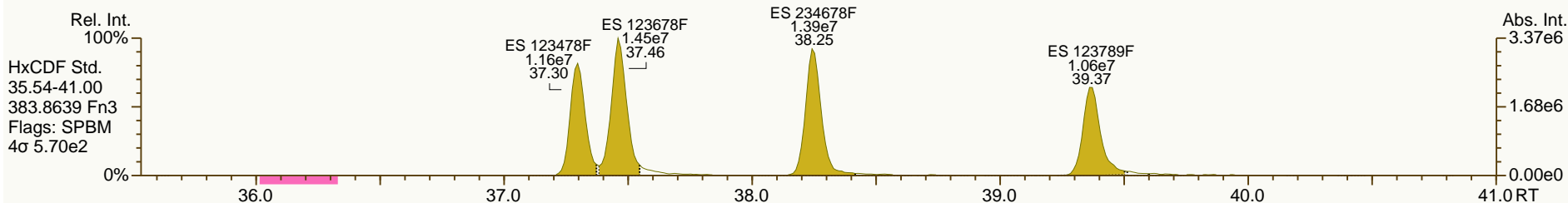
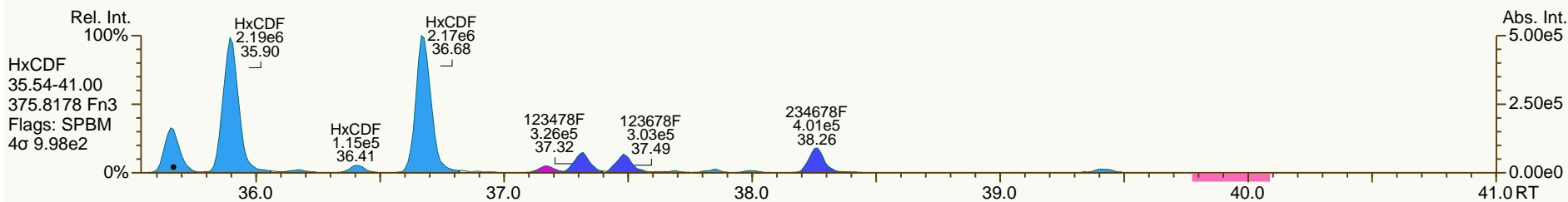
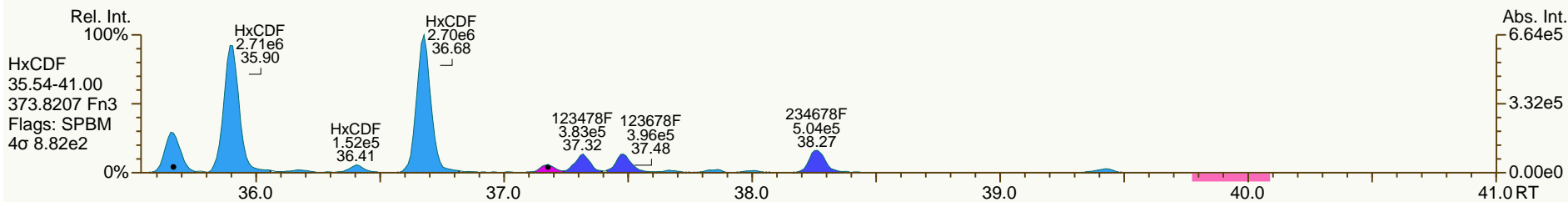


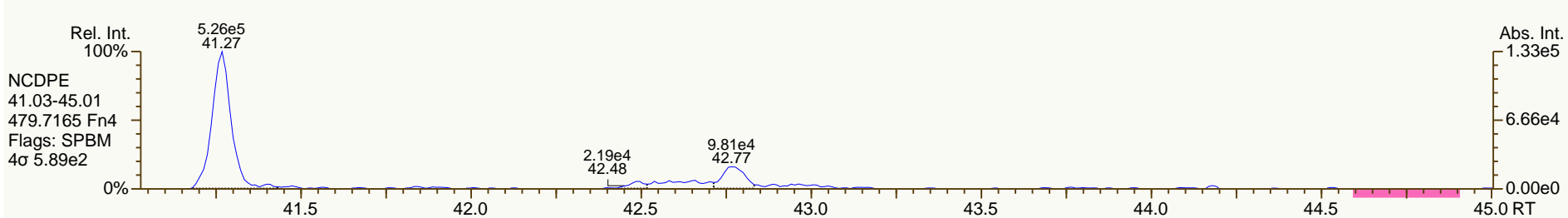
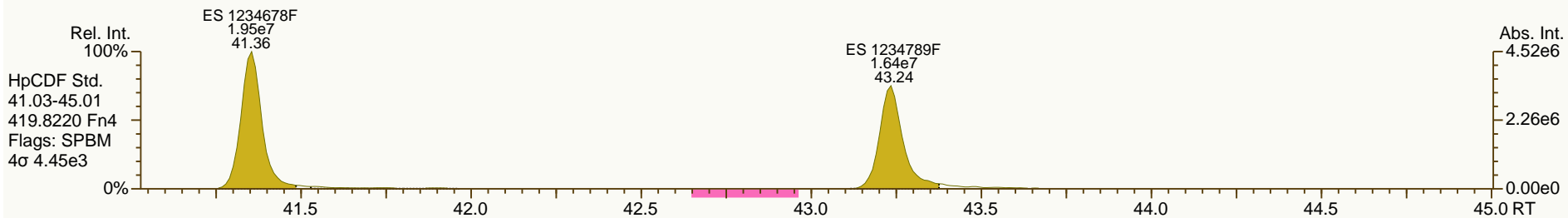
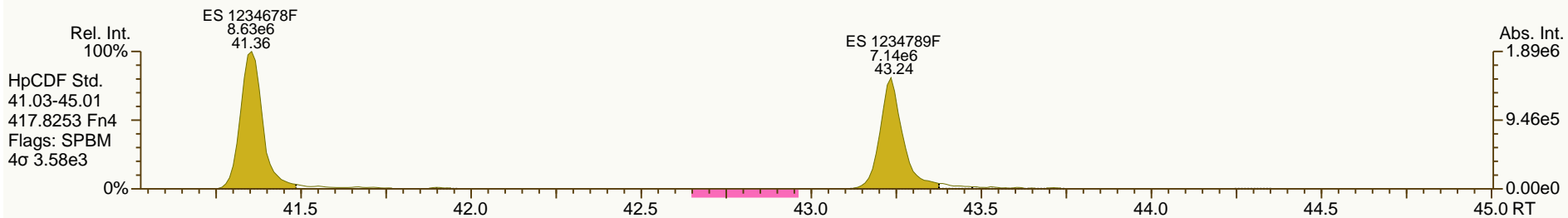
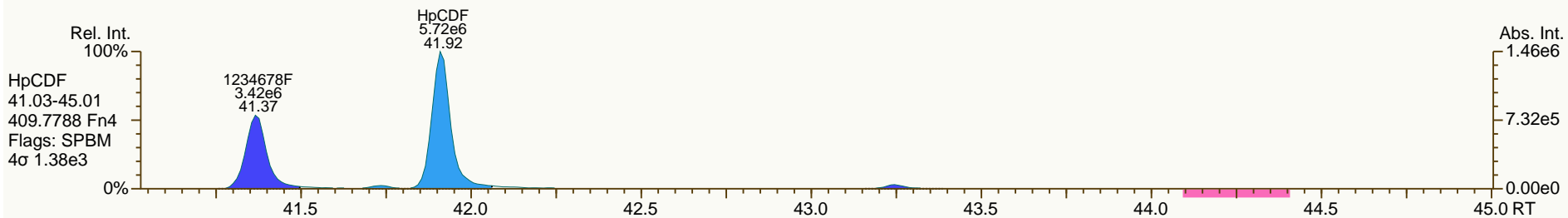
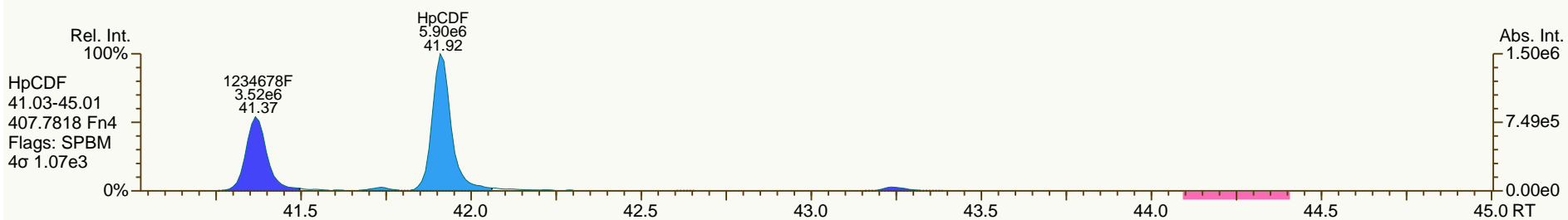


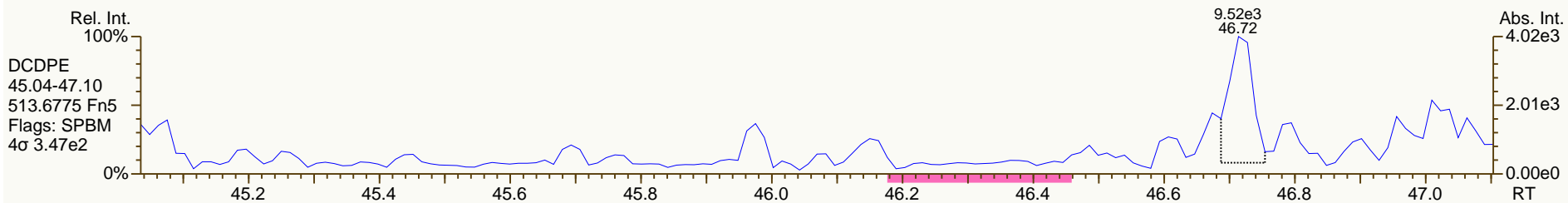
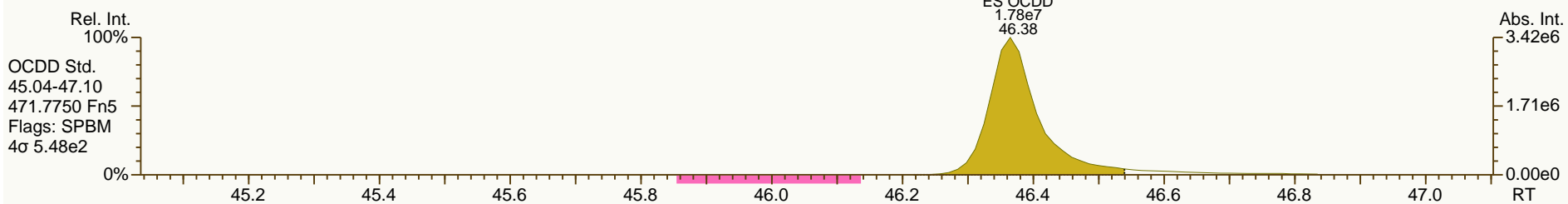
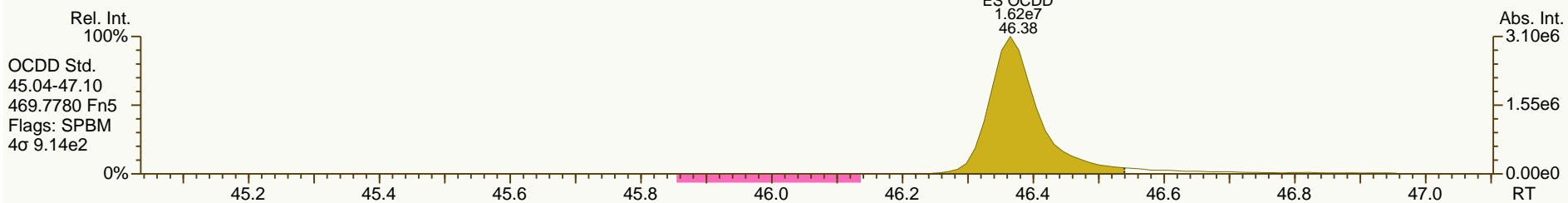
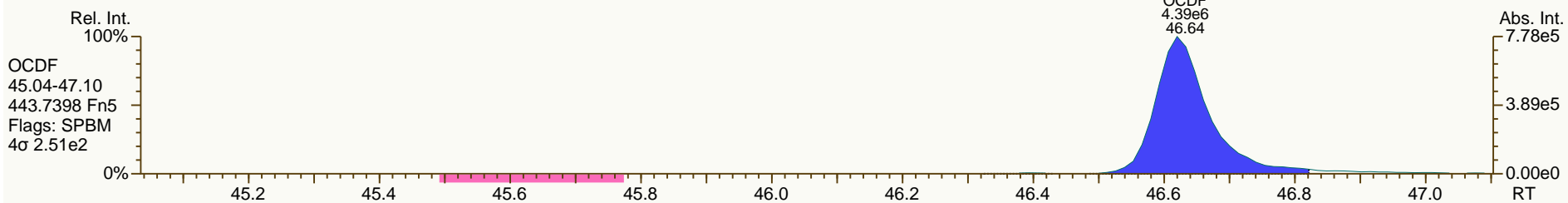
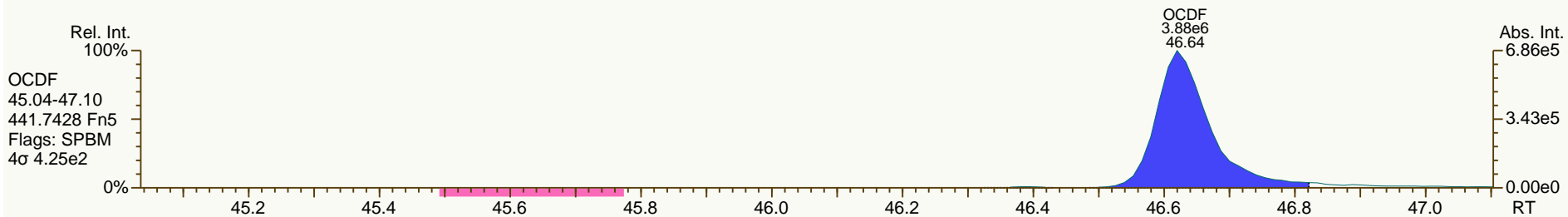












Quantify Sample Summary Report

MassLynx 4.1

Confirms Sample Summary

Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time

Printed: Wednesday, 11/14/2012 10:57:48 AM Eastern Standard Time

7/11-14-12

Method: C:\MassLynx\Default.PRO\MethDB\VFXms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFXms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-10

Date: 13-Nov-2012

Time: 17:46:53

ID: 31203251002

User: JHL

Submitter:

Task: HRMS3

	Name	Response	Ion1Area	Ion2Area	RA	RAFail?	MRRF	RT	Conc	EDL	SN1	SN2	M	Height1	Noise1	Height2	Noise2	Smp Size	FV
1	2378-TCDF	8.687e3	3.974e3	4.713e3	0.84	NO	1.218	21.23	5.289	0.4378	28.0	35.8	MM	4.995e4	1785	6.654e4	1861	18.97	20
2	ES:13C-2378-TCDF	1.422e5	6.151e4	8.065e4	0.76	NO	1.655	21.22	94.230	1.0507	213.9	263.4	bb	7.796e5	3644	1.061e6	4028	18.97	20
3	JS:13C-1234-TCDD	9.611e4	4.202e4	5.409e4	0.78	NO	1.000	21.11	105.430	1.7716	120.7	196.0	bb	5.084e5	4213	7.062e5	3604	18.97	20
4	Tetrafurans	-	2.434e4	-	-	-	1.218	-	31.572	0.4378	-	-	-	2.864e5	1785	-	-	18.97	20
5	F1 Lock Mass	-	-	-	-	-	-	-	-	-	-	-	-	-	87498	-	-	1.00	1

$$[TCDF] = \frac{8.687e3}{1.422e5} \left(\frac{200000}{18.97g \times 0.5347} \right) \left(\frac{1}{1.21803} \right) = 9.89 \mu g/g$$

7/11-14-12

Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time

Printed: Wednesday, 11/14/2012 10:57:48 AM Eastern Standard Time

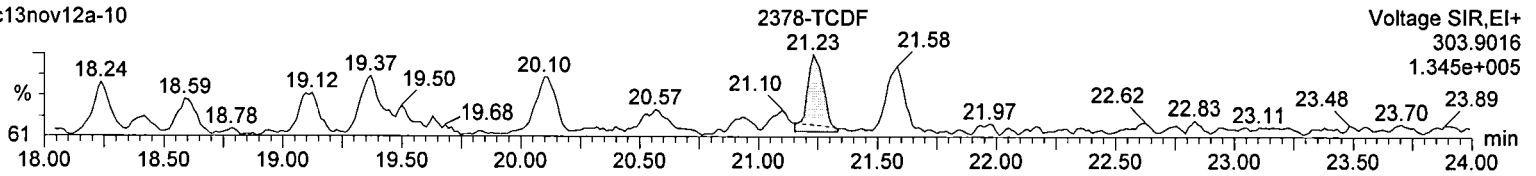
Method: C:\MassLynx\Default.PRO\MethDB\VFxms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-10, ID: 31203251002

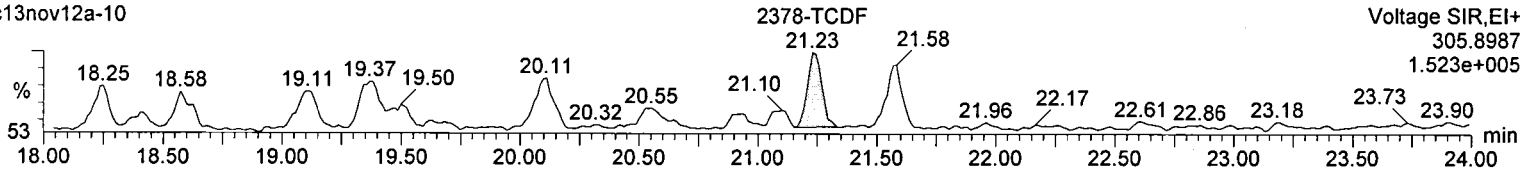
TCDF

c13nov12a-10



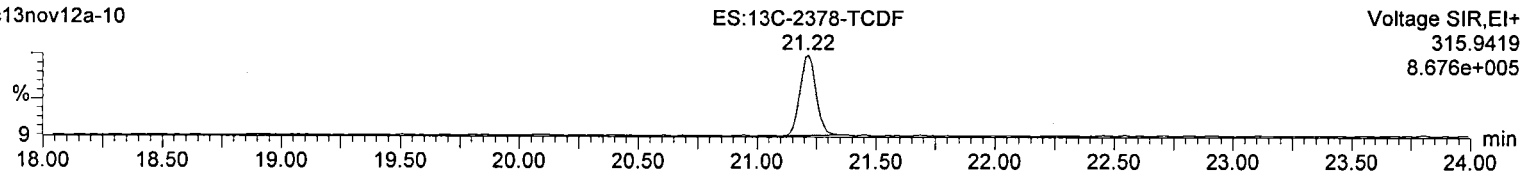
TCDF

c13nov12a-10



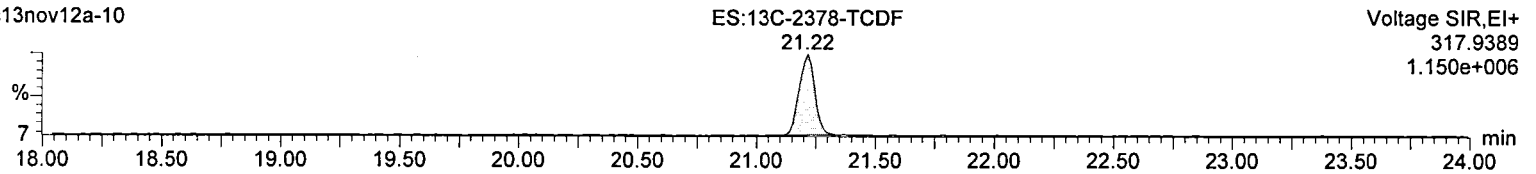
13C-TCDF

c13nov12a-10



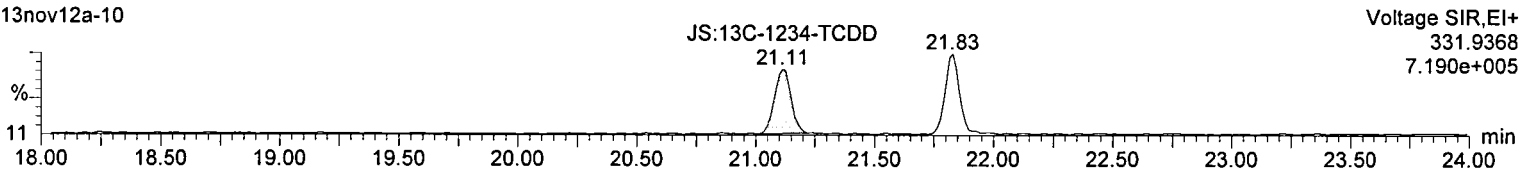
13C-TCDF

c13nov12a-10



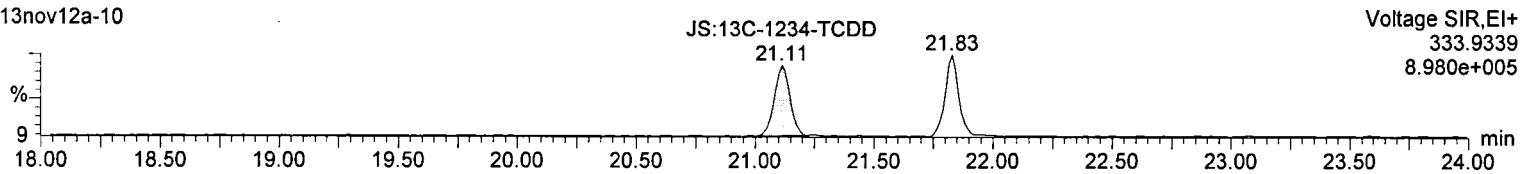
13C-TCDD

c13nov12a-10



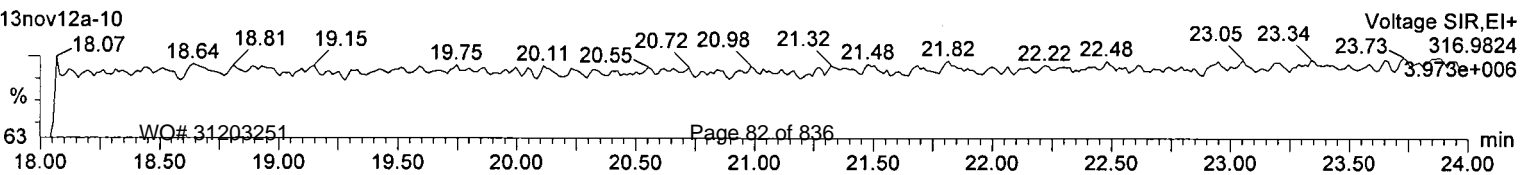
13C-TCDD

c13nov12a-10



F1 Lock Mass

c13nov12a-10



mm
11/14/12

Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time

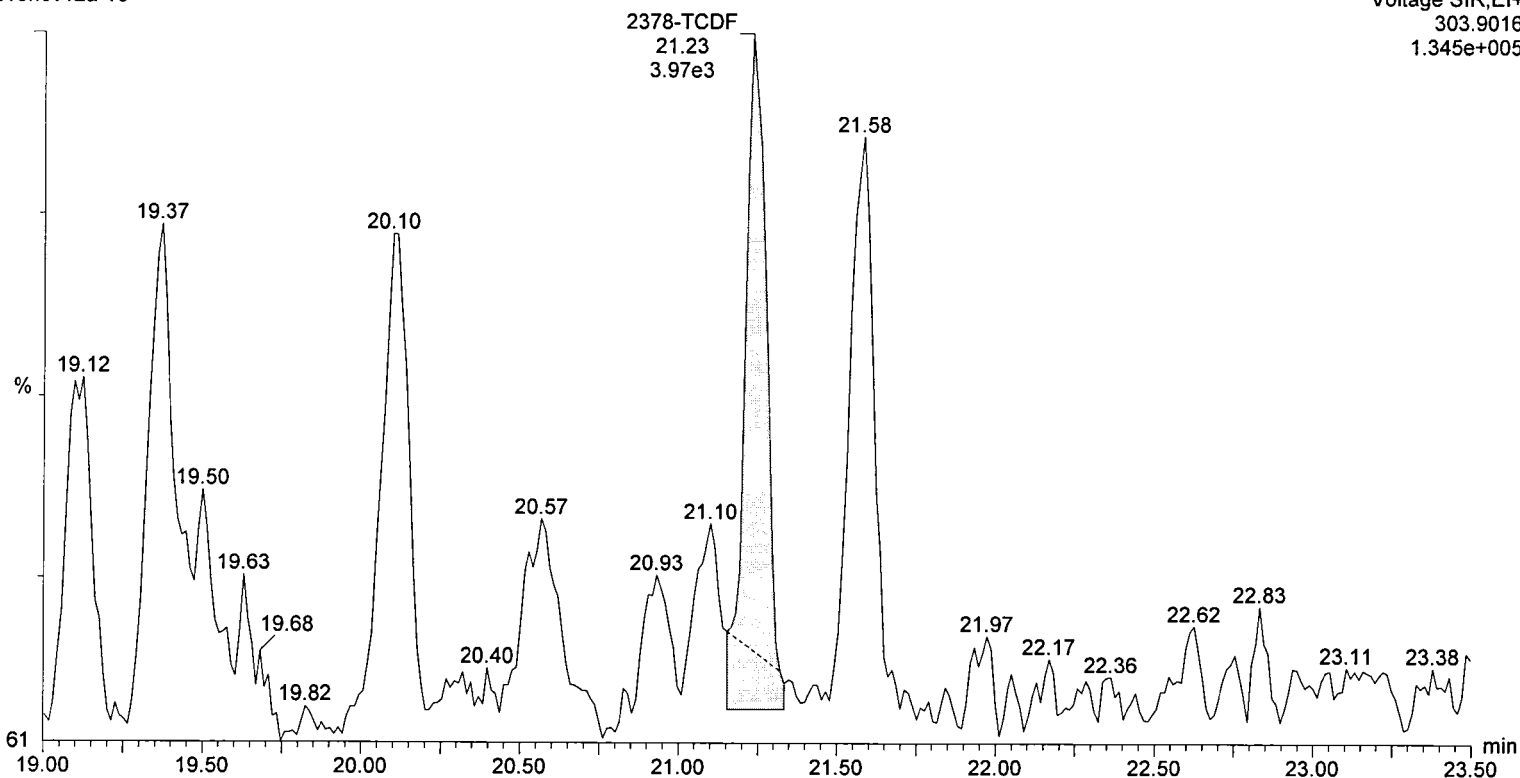
Printed: Wednesday, 11/14/2012 10:59:59 AM Eastern Standard Time

Name: c13nov12a-10, ID: 31203251002

TCDF

c13nov12a-10

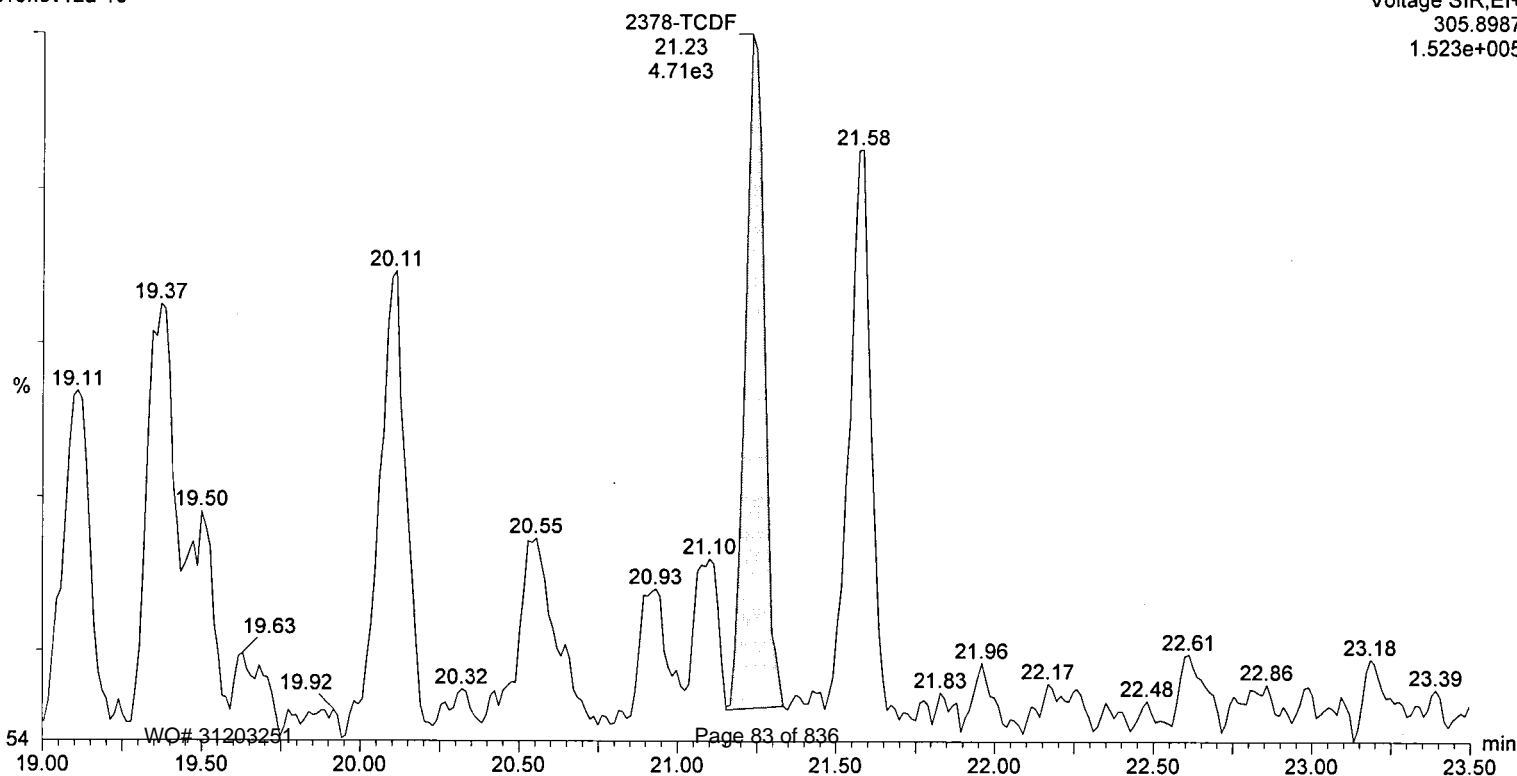
Voltage SIR,EI+
303.9016
1.345e+005



TCDF

c13nov12a-10

Voltage SIR,EI+
305.8987
1.523e+005



Results of JW-EA09-SS38-120507

Client Sample ID: **JW-EA09-SS38-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251002-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 13:50
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 53.50

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
1-MoCB	123			0.109	0.986	pg/g	10.42	3.13
2-MoCB	109			0.132	0.986	pg/g	12.27	3.14
3-MoCB	118			0.108	0.986	pg/g	12.44	3.20
4-DiCB	163			0.455	0.986	pg/g	12.65	1.59
5-DiCB	7.65			0.766	0.986	pg/g	15.07	1.47
6-DiCB	113			0.765	0.986	pg/g	14.80	1.55
7-DiCB	18.9			0.721	0.986	pg/g	14.60	1.58
8-DiCB	617			0.731	0.986	pg/g	15.19	1.56
9-DiCB	30.2			0.833	0.986	pg/g	14.45	1.54
10-DiCB	8.85			0.326	0.986	pg/g	12.81	1.61
11-DiCB	2640			0.708	0.986	pg/g	17.37	1.57
12-DiCB C13	83.1			0.691	1.97	pg/g	17.63	1.56
14-DiCB	5.28			0.621	0.986	pg/g	16.64	1.64
15-DiCB	421			0.557	0.986	pg/g	17.91	1.55
16-TrCB	452			0.176	0.986	pg/g	17.85	1.08
17-TrCB	434			0.133	0.986	pg/g	17.46	1.07
18-TrCB C30	1080			0.116	1.97	pg/g	17.10	1.08
19-TrCB	79.2			0.146	0.986	pg/g	15.44	1.07
20-TrCB C28	3420			0.843	1.97	pg/g	20.55	1.03
21-TrCB C33	1270			0.811	1.97	pg/g	20.75	1.03
22-TrCB	961			0.880	0.986	pg/g	21.08	1.03
23-TrCB		1.73		0.873	0.986	pg/g	19.56	0.88*
24-TrCB	ND		U	0.102	0.986	pg/g		
25-TrCB	199			0.847	0.986	pg/g	20.02	1.03
26-TrCB C29	487			0.853	1.97	pg/g	19.81	1.03
27-TrCB	83.7			0.0997	0.986	pg/g	17.64	1.08
31-TrCB	2870			0.809	0.986	pg/g	20.29	1.04
32-TrCB	389			0.0940	0.986	pg/g	18.31	1.08
34-TrCB	19.7			0.929	0.986	pg/g	19.42	1.02
35-TrCB	97.8			0.834	0.986	pg/g	23.65	1.04
36-TrCB	33.5			0.775	0.986	pg/g	22.46	1.03
37-TrCB	821			0.708	0.986	pg/g	24.00	1.04
38-TrCB		2.87		0.845	0.986	pg/g	23.26	1.26*
39-TrCB	15.4			0.752	0.986	pg/g	22.78	1.02
40-TeCB C71	1760			0.176	1.97	pg/g	23.85	0.80
41-TeCB	252			0.210	0.986	pg/g	23.74	0.77
42-TeCB	836			0.191	0.986	pg/g	23.43	0.80
43-TeCB	113			0.207	0.986	pg/g	22.32	0.78
44-TeCB C47/65	3710			0.170	2.96	pg/g	22.98	0.80
45-TeCB	412			0.218	0.986	pg/g	20.61	0.79
46-TeCB	146			0.222	0.986	pg/g	20.87	0.79
48-TeCB	575			0.180	0.986	pg/g	22.79	0.80

Results of JW-EA09-SS38-120507

Client Sample ID: **JW-EA09-SS38-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251002-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 13:50
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 53.50

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
49-TeCB C69	2130			0.148	1.97	pg/g	22.55	0.79
50-TeCB C53	398			0.181	1.97	pg/g	20.03	0.80
51-TeCB	70.7			0.172	0.986	pg/g	20.70	0.80
52-TeCB	5760		E	0.182	0.986	pg/g	22.12	0.79
54-TeCB	2.78			0.0829	0.986	pg/g	18.15	0.81
55-TeCB	ND		U	1.42	1.42	pg/g		
56-TeCB	2060			1.43	1.43	pg/g	27.11	0.79
57-TeCB	ND		U	1.38	1.38	pg/g		
58-TeCB	17.9			1.37	1.37	pg/g	25.63	0.77
59-TeCB C62/75	236			0.132	2.96	pg/g	23.27	0.80
60-TeCB	1120			1.35	1.35	pg/g	27.30	0.78
61-TeCB C70/74/76	8490			1.31	3.94	pg/g	26.30	0.78
63-TeCB	159			1.23	1.23	pg/g	26.01	0.78
64-TeCB	1440			0.123	0.986	pg/g	24.05	0.80
66-TeCB	4560		E	1.37	1.37	pg/g	26.56	0.78
67-TeCB	99.8			1.31	1.31	pg/g	25.78	0.78
68-TeCB	28.5			1.22	1.22	pg/g	25.05	0.78
72-TeCB	64.6			1.39	1.39	pg/g	24.80	0.78
73-TeCB	ND		U	0.139	0.986	pg/g		
77-TeCB	407			1.08	1.08	pg/g	30.22	0.78
78-TeCB	ND		U	1.38	1.38	pg/g		
79-TeCB	36.1			1.20	1.20	pg/g	28.92	0.76
80-TeCB	ND		U	1.20	1.20	pg/g		
81-TeCB	14.5			1.14	1.14	pg/g	29.76	0.80
82-PeCB	846			3.35	3.35	pg/g	29.91	0.62
83-PeCB	394			3.52	3.52	pg/g	28.40	0.61
84-PeCB	1620			3.34	3.34	pg/g	26.43	0.62
85-PeCB C116	ND		U	2.22	2.22	pg/g		
86-PeCB C108/119/125/87/97	4640			2.46	5.92	pg/g	28.96	0.62
88-PeCB	ND		U	3.66	3.66	pg/g		
89-PeCB	76.0			3.14	3.14	pg/g	26.83	0.61
90-PeCB C101/113	6610			2.51	2.96	pg/g	28.03	0.62
91-PeCB	765			2.71	2.71	pg/g	26.26	0.62
92-PeCB	1320			2.96	2.96	pg/g	27.54	0.62
93-PeCB C100	30.8			2.77	2.77	pg/g	25.72	0.60
94-PeCB	21.8			3.07	3.07	pg/g	25.12	0.62
95-PeCB	3720			2.87	2.87	pg/g	25.51	0.62
96-PeCB	34.2			0.0966	0.986	pg/g	23.23	0.63
98-PeCB	ND		U	2.97	2.97	pg/g		
99-PeCB	3180			2.53	2.53	pg/g	28.51	0.63
102-PeCB	163			2.78	2.78	pg/g	25.84	0.62
103-PeCB	32.6			2.64	2.64	pg/g	24.95	0.62

Results of JW-EA09-SS38-120507

Client Sample ID: **JW-EA09-SS38-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251002-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 13:50
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 53.50

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
104-PeCB	0.266		J	0.0762	0.986	pg/g	22.94	0.65
105-PeCB	2910			2.08	2.08	pg/g	33.16	0.62
106-PeCB	ND		U	2.17	2.17	pg/g		
107-PeCB C124	230			2.13	2.13	pg/g	31.61	0.63
109-PeCB	579			2.00	2.00	pg/g	31.83	0.62
111-PeCB	ND		U	1.99	1.99	pg/g		
110-PeCB	7270		E	2.05	2.05	pg/g	29.65	0.62
112-PeCB	ND		U	2.12	2.12	pg/g		
114-PeCB	125			1.82	1.82	pg/g	32.63	0.62
115-PeCB	ND		U	2.20	2.20	pg/g		
117-PeCB	1540			2.70	2.70	pg/g	29.51	0.62
118-PeCB	6210		E	1.90	1.90	pg/g	32.19	0.62
120-PeCB	31.3			1.98	1.98	pg/g	30.67	0.61
121-PeCB	ND		U	2.06	2.06	pg/g		
122-PeCB	70.1			2.14	2.14	pg/g	32.46	0.61
123-PeCB	ND		U	1.90	1.90	pg/g		
126-PeCB	14.0			0.388	0.986	pg/g	35.77	0.59
127-PeCB	ND		U	2.09	2.09	pg/g		
128-HxCB C166	1070			0.786	1.97	pg/g	35.85	1.23
129-HxCB C138/163	6330			0.131	2.96	pg/g	34.81	1.27
130-HxCB	429			0.158	0.986	pg/g	34.26	1.27
131-HxCB	72.8			0.154	0.986	pg/g	31.87	1.28
132-HxCB	1780			0.150	0.986	pg/g	32.25	1.26
133-HxCB	85.0			0.144	0.986	pg/g	32.71	1.25
134-HxCB	342			0.169	0.986	pg/g	31.36	1.27
135-HxCB C151	1630			0.139	1.97	pg/g	30.44	1.27
136-HxCB	630			0.109	0.986	pg/g	28.41	1.26
137-HxCB	244			0.145	0.986	pg/g	34.45	1.25
139-HxCB C140	93.2			0.132	1.97	pg/g	31.71	1.26
141-HxCB	830			0.137	0.986	pg/g	33.92	1.26
142-HxCB	ND		U	0.151	0.986	pg/g		
143-HxCB	ND		U	0.138	0.986	pg/g		
144-HxCB	240			0.135	0.986	pg/g	30.91	1.27
145-HxCB	1.92			0.106	0.986	pg/g	28.67	1.15
146-HxCB	702			0.130	0.986	pg/g	33.25	1.26
147-HxCB C149	3970			0.135	1.97	pg/g	31.20	1.26
148-HxCB	4.40			0.135	0.986	pg/g	29.95	1.23
150-HxCB	4.37			0.0998	0.986	pg/g	28.13	1.23
152-HxCB	3.69			0.103	0.986	pg/g	27.98	1.16
153-HxCB C168	4420			0.108	1.97	pg/g	33.77	1.26
154-HxCB	44.5			0.122	0.986	pg/g	30.66	1.29
155-HxCB	ND		U	0.0924	0.986	pg/g		

Results of JW-EA09-SS38-120507

Client Sample ID: **JW-EA09-SS38-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251002-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 13:50
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 53.50

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
156-HxCB C157	710			0.787	1.97	pg/g	38.29	1.23
158-HxCB	626			0.101	0.986	pg/g	35.14	1.26
159-HxCB	ND		U	0.666	0.986	pg/g		
160-HxCB	ND		U	0.112	0.986	pg/g		
161-HxCB	ND		U	0.105	0.986	pg/g		
162-HxCB	37.0			0.638	0.986	pg/g	36.99	1.22
164-HxCB	409			0.111	0.986	pg/g	34.54	1.26
165-HxCB	ND		U	0.116	0.986	pg/g		
167-HxCB	208			0.591	0.986	pg/g	37.35	1.23
169-HxCB	ND		U	0.823	0.986	pg/g		
170-HpCB	1220			0.725	0.986	pg/g	40.51	1.05
171-HpCB C173	319			0.572	1.97	pg/g	37.55	1.06
172-HpCB	193			0.665	0.986	pg/g	38.93	1.05
174-HpCB	1020			0.573	0.986	pg/g	36.64	1.05
175-HpCB	43.3			0.532	0.986	pg/g	35.73	1.04
176-HpCB	123			0.0881	0.986	pg/g	33.63	1.06
177-HpCB	609			0.578	0.986	pg/g	37.02	1.06
178-HpCB	222			0.129	0.986	pg/g	35.19	1.06
179-HpCB	457			0.0950	0.986	pg/g	32.88	1.06
180-HpCB C193	2500			0.581	1.97	pg/g	39.48	1.05
181-HpCB	9.13			0.503	0.986	pg/g	37.36	1.11
182-HpCB	5.09			0.483	0.986	pg/g	36.14	1.05
183-HpCB	616			0.469	0.986	pg/g	36.47	1.05
184-HpCB	0.821		J	0.0979	0.986	pg/g	33.35	1.15
185-HpCB	ND		U	0.511	0.986	pg/g		
186-HpCB		0.247	J	0.0940	0.986	pg/g	34.01	1.41*
187-HpCB	1210			0.498	0.986	pg/g	35.95	1.05
188-HpCB	1.19			0.0912	0.986	pg/g	32.62	1.15
189-HpCB	41.6			0.324	0.986	pg/g	43.15	1.04
190-HpCB	198			0.505	0.986	pg/g	40.97	1.06
191-HpCB	46.5			0.491	0.986	pg/g	39.77	1.04
192-HpCB	ND		U	0.509	0.986	pg/g		
194-OcCB	548			0.422	0.986	pg/g	44.92	0.92
195-OcCB	215			0.453	0.986	pg/g	42.92	0.91
196-OcCB	254			0.164	0.986	pg/g	41.66	0.92
197-OcCB	15.2			0.110	0.986	pg/g	38.65	0.93
198-OcCB C199	616			0.167	1.97	pg/g	41.11	0.89
200-OcCB	51.0			0.121	0.986	pg/g	38.73	0.89
201-OcCB	71.5			0.114	0.986	pg/g	37.91	0.90
202-OcCB	137			0.128	0.986	pg/g	37.13	0.91
203-OcCB	368			0.154	0.986	pg/g	41.83	0.92
204-OcCB	ND		U	0.122	0.986	pg/g		

Results of JW-EA09-SS38-120507

Client Sample ID: **JW-EA09-SS38-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251002-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 13:50
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 53.50

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
205-OcCB	20.7			0.309	0.986	pg/g	45.32	0.91
206-NoCB	196			0.205	0.986	pg/g	46.78	0.77
207-NoCB	36.5			0.158	0.986	pg/g	43.51	0.78
208-NoCB	76.6			0.143	0.986	pg/g	42.73	0.77
209-DeCB	138			0.252	0.986	pg/g	48.11	1.19
Total Monochlorobiphenyls	350			0.108		pg/g		
Total Dichlorobiphenyls	4100			0.506		pg/g		
Total Trichlorobiphenyls	12700			0.427		pg/g		
Total Tetrachlorobiphenyls	34900			0.533		pg/g		
Total Pentachlorobiphenyls	42400			1.36		pg/g		
Total Hexachlorobiphenyls	24900			0.573		pg/g		
Total Heptachlorobiphenyls	8830			0.403		pg/g		
Total Octachlorobiphenyls	2300			0.218		pg/g		
Total Nonachlorobiphenyls	309			0.174		pg/g		
Total Decachlorobiphenyl	138			0.252		pg/g		
Total PCBs	131000			1.36		pg/g		

World Health Organization Summary

	<u>Units</u>	<u>ND=0</u>	<u>ND=½</u>	<u>ND=DL</u>
WHO-2005 TEQ	pg/g	1.75	1.76	1.78
WHO-2005 TEQ w/EMPC	pg/g	1.75	1.76	1.78

Results of JW-EA09-SS38-120507

Client Sample ID: **JW-EA09-SS38-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251002-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 13:50
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 53.50

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
1L-MoCB	69.0				4.00-100	%		
3L-MoCB	86.0				11.0-106	%		
4L-DiCB	100				14.0-107	%		
15L-DiCB	77.0				19.0-107	%		
19L-TrCB	85.0				1.00-108	%		
37L-TrCB	82.0				25.0-123	%		
54L-TeCB	104				13.0-105	%		
77L-TeCB	90.0				31.0-109	%		
81L-TeCB	88.0				14.0-127	%		
104L-PeCB	95.0				36.0-115	%		
105L-PeCB	86.0				50.0-111	%		
114L-PeCB	88.0				41.0-121	%		
118L-PeCB	90.0				49.0-111	%		
123L-PeCB	90.0				49.0-116	%		
126L-PeCB	87.0				50.0-106	%		
155L-HxCB	93.0				25.0-124	%		
156L-HxCB C157L	79.0				40.0-120	%		
167L-HxCB	82.0				45.0-118	%		
169L-HxCB	72.0				37.0-117	%		
188L-HpCB	88.0				23.0-125	%		
189L-HpCB	105				47.0-116	%		
202L-OcCB	81.0				31.0-134	%		
205L-OcCB	95.0				46.0-115	%		
206L-NoCB	137*				38.0-122	%		
208L-NoCB	107				31.0-126	%		
209L-DeCB	76.0				43.0-115	%		
28L-TrCB	94.0				14.0-131	%		
111L-PeCB	99.0				57.0-112	%		
178L-HpCB	94.0				57.0-125	%		

Batch Information

Analytical Batch: **HRP1312**
 Analytical Method: **EPA 1668B**
 Instrument: **APHRMS**
 Analyst: **LKB**
 Analytical Date/Time: **10/24/2012 11:02**

Prep Batch: **HXX1817**
 Prep Method: **EPA 1668B PREP S/D/T**
 Prep Date/Time: **10/16/2012 15:56**
 Prep Initial Wt./Vol.: **18.97 g**
 Prep Extract Vol: **20 uL**



Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.22		1.0006	1.0006	0	8.67E+07	0.78	1.13	407	1.97E+04	1.08
PCB-81 344'5'-TeCB	29.76		1.0006	1.0005	-0.2	2.87E+06	0.80	1.13	14.5	1.97E+04	1.14
PCB-105 233'44'-PeCB	33.16		1.0007	1.0007	0	4.55E+08	0.62	1.09	2,910	2.66E+04	2.08
PCB-114 2344'5'-PeCB	32.63		1.0007	1.0007	0	2.15E+07	0.62	1.16	125	2.66E+04	1.82
PCB-118 23'44'5'-PeCB	32.19	E	1.0007	1.0007	0	1.06E+09	0.62	1.11	6,210	2.66E+04	1.9
PCB-123 23'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.19	ND	2.66E+04	1.9
PCB-126 33'44'5'-PeCB	35.77		1.0005	1.0000	-1.1	2.09E+06	0.59	1.06	14	4.50E+03	0.388
PCB-156/157 ...-HxCB	38.29	C	1.0005	1.0002	-0.7	1.03E+08	1.23	1.11	710	7.76E+03	0.787
PCB-167 23'44'55'-HxCB	37.35		1.0006	1.0005	-0.2	3.30E+07	1.23	1.14	208	7.76E+03	0.591
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.11	ND	7.76E+03	0.823
PCB-189 233'44'55'-HpCB	43.15		1.0004	1.0004	0	4.83E+06	1.04	1.06	41.6	3.19E+03	0.324
PCB-209 DeCB	48.11		1.0004	1.0004	0	7.89E+06	1.19	1.07	138	9.44E+02	0.252
ES PCB-1	10.41		0.7215	0.7214	-0.1	5.35E+07	3.19	1.08	69.1 %	25%	150%
ES PCB-3	12.42		0.8608	0.8608	0	6.68E+07	3.23	1.08	86.2 %	25%	150%
ES PCB-4	12.63		0.8756	0.8753	-0.2	3.51E+07	1.59	0.49	100 %	25%	150%
ES PCB-15	17.90		1.2386	1.2399	+1.4	6.14E+07	1.56	1.11	77.3 %	25%	150%
ES PCB-19	15.42		1.0685	1.0685	0	3.37E+07	1.06	0.55	84.9 %	25%	150%
ES PCB-37	23.98		1.0840	1.0850	+1.4	4.09E+07	1.08	1.64	82 %	25%	150%
ES PCB-54	18.13		0.8214	0.8202	-1.3	2.98E+07	0.75	0.94	104 %	25%	150%
ES PCB-77	30.21		1.3640	1.3666	+4.7	3.70E+07	0.79	1.35	90.1 %	25%	150%
ES PCB-81	29.74		1.3429	1.3458	+5.2	3.47E+07	0.80	1.29	88.4 %	25%	150%
ES PCB-104	22.92		0.8204	0.8182	-3.0	2.51E+07	1.62	0.99	95.3 %	25%	150%
ES PCB-105	33.14		1.1846	1.1831	-3.0	2.81E+07	1.65	1.23	86 %	25%	150%
ES PCB-114	32.61		1.1656	1.1642	-2.7	2.92E+07	1.57	1.25	88.2 %	25%	150%
ES PCB-118	32.17		1.1496	1.1485	-2.1	3.05E+07	1.62	1.28	89.8 %	25%	150%
ES PCB-123	31.89		1.1397	1.1385	-2.3	2.91E+07	1.64	1.22	90.2 %	25%	150%
ES PCB-126	35.76		1.2777	1.2768	-1.9	2.77E+07	1.61	1.20	87.1 %	25%	150%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	27.83		0.7994	0.8001	+1.2	3.13E+07	1.31	1.50	93.1 %	25%	150%
ES PCB-156/157	38.28		1.1005	1.1007	+0.5	5.16E+07	1.31	1.45	78.9 %	25%	150%
ES PCB-167	37.33		1.0730	1.0733	+0.7	2.75E+07	1.32	1.49	81.9 %	25%	150%
ES PCB-169	41.02		1.1787	1.1794	+1.7	2.26E+07	1.27	1.40	71.7 %	25%	150%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	32.60		0.7268	0.7261	-1.4	2.32E+07	1.08	1.18	87.6 %	25%	150%
ES PCB-189	43.14		0.9608	0.9607	-0.3	2.17E+07	1.06	1.49	105 %	25%	150%
ES PCB-202	37.11		0.8272	0.8265	-1.6	2.07E+07	0.90	1.14	81.2 %	25%	150%
ES PCB-205	45.30		1.0089	1.0089	0	1.59E+07	0.90	1.20	95.3 %	25%	150%
ES PCB-206	46.77		1.0413	1.0418	+1.4	1.65E+07	0.81	0.87	137 %	25%	150%
ES PCB-208	42.71		0.9520	0.9512	-2.1	1.77E+07	0.80	1.19	107 %	25%	150%
ES PCB-209	48.09		1.0714	1.0711	-0.9	1.05E+07	1.20	1.00	75.7 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	20.53		0.9294	0.9288	-0.7	5.02E+07	1.07	1.07	114 %	30%	135%
SS PCB-111	30.26	NA	1.0814	1.0803	-2.0	3.23E+07	1.60	1.01	110 %	30%	135%
SS PCB-178	35.17		1.0112	1.0111	-0.2	1.57E+07	1.08	0.63	108 %	30%	135%
CS PCB-28	20.53		0.9294	0.9288	-0.7	5.02E+07	1.07	1.76	93.7 %	30%	135%
CS PCB-111	30.26		1.0814	1.0803	-2.0	3.23E+07	1.60	1.23	99.3 %	30%	135%
CS PCB-178	35.17		1.0112	1.0111	-0.2	1.57E+07	1.08	0.74	94.4 %	30%	135%

JS PCB-9	14.43					7.16E+07	1.56				
JS PCB-52	22.10					3.05E+07	0.79				
JS PCB-101	28.01					2.65E+07	1.54				
JS PCB-138	34.78					2.25E+07	1.32				
JS PCB-194	44.90					1.39E+07	0.89				

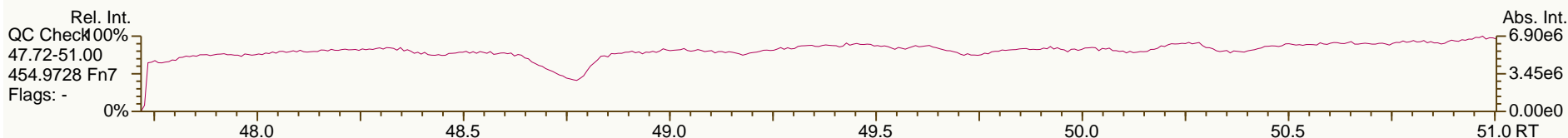
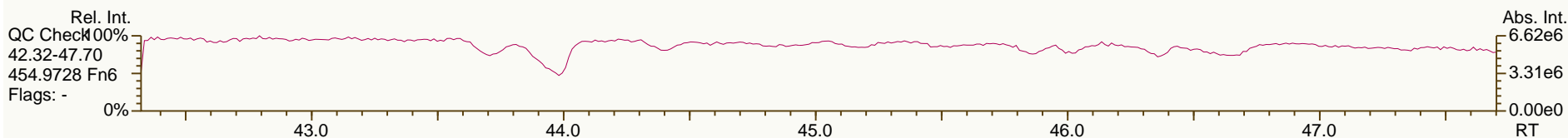
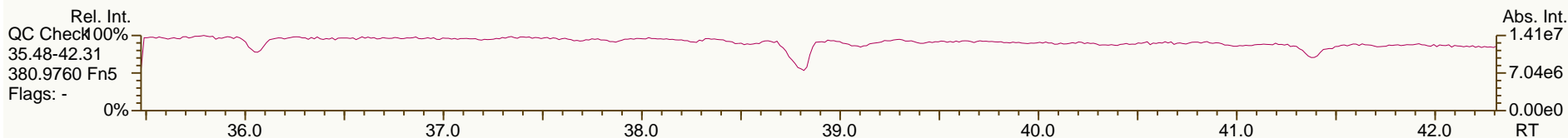
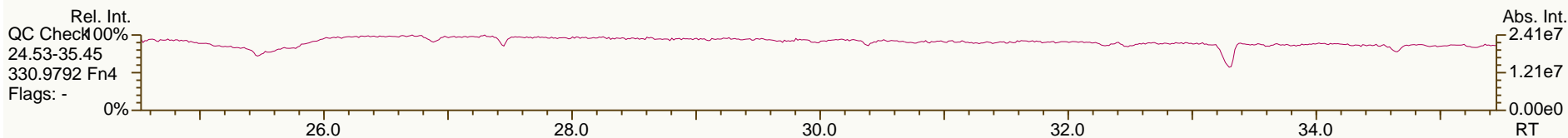
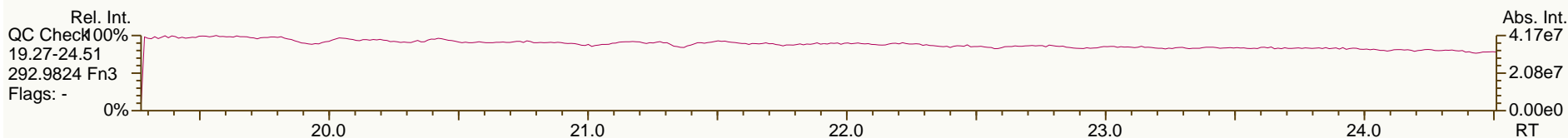
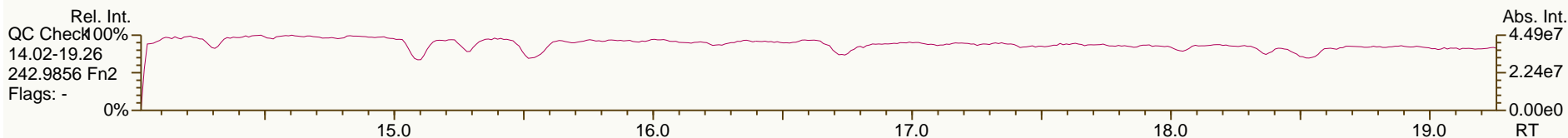
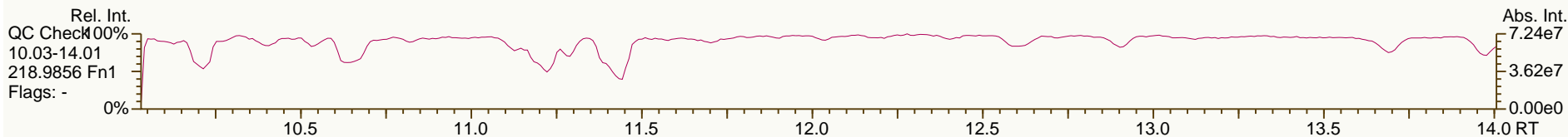
	Totals	NON-EMPC	EMPC	DL
	Mono-CBs	350	350	0.108
	Di-CBs	4,100	4,100	0.506
	Tri-CBs	12,700	12,700	0.427
	Tetra-CBs	34,900	34,900	0.533
	Penta-CBs	42,400	42,400	1.36
	Hexa-CBs	24,900	24,900	0.573
	Hepta-CBs	8,830	8,830	0.403
	Octa-CBs	2,300	2,300	0.218
	Nona-CBs	309	309	0.174

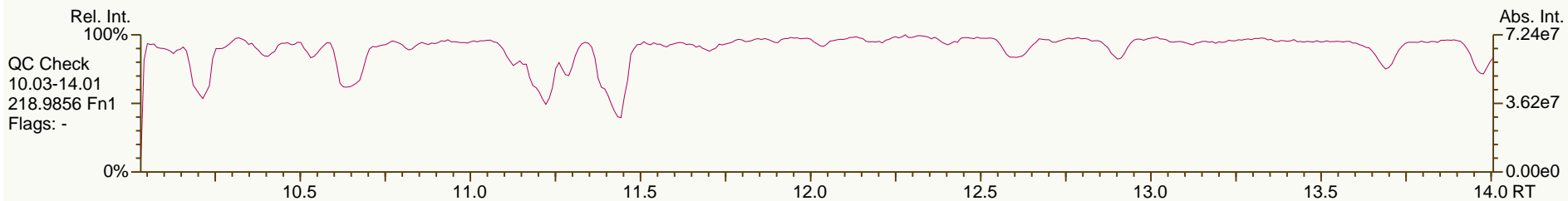
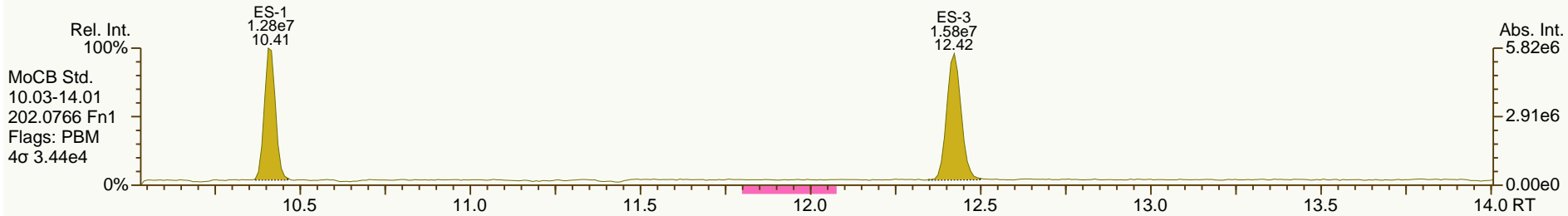
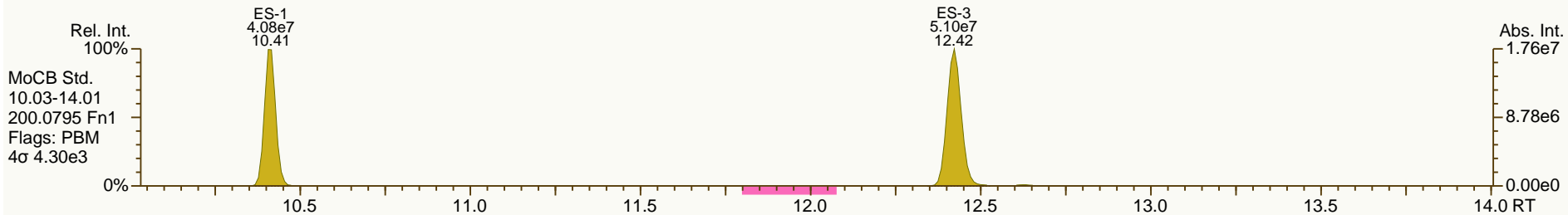
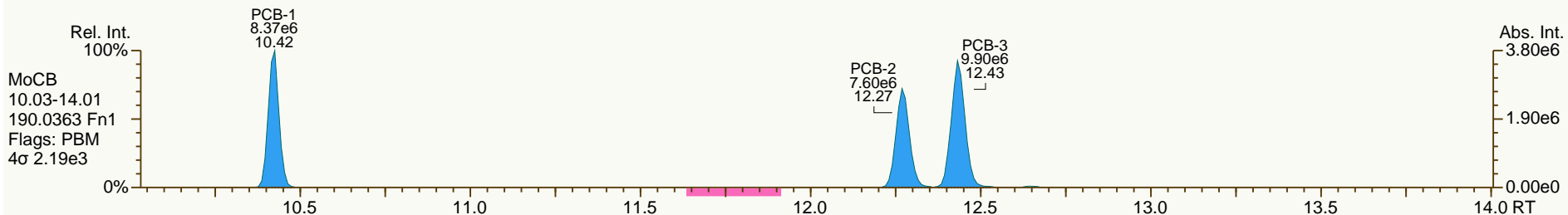
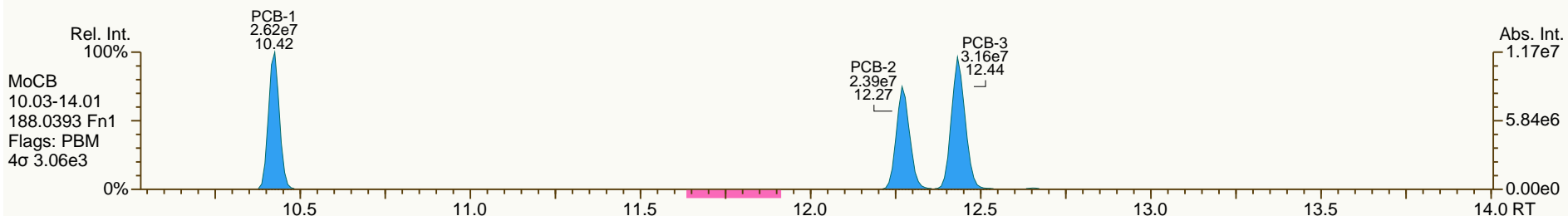
PCB-1 2-MoCB	10.42		1.0011	1.0011	0	3.46E+07	3.13	1.03	123	5.24E+03	0.109
PCB-2 3-MoCB	12.27		0.9879	0.9879	0	3.15E+07	3.14	0.85	109	5.24E+03	0.132
PCB-3 4-MoCB	12.44		1.0010	1.0010	0	4.15E+07	3.20	1.04	118	5.24E+03	0.108
PCB-4 22'-DiCB	12.65		1.0011	1.0011	0	3.39E+07	1.59	1.17	163	1.30E+04	0.455
PCB-10 26'-DiCB	12.81		1.0139	1.0138	-0.1	2.56E+06	1.61	1.63	8.85	1.30E+04	0.326
PCB-9 25'-DiCB	14.45		1.0011	1.0010	-0.1	6.79E+06	1.54	0.72	30.2	1.96E+04	0.833
PCB-7 24'-DiCB	14.60		1.0114	1.0114	0	4.91E+06	1.58	0.84	18.9	1.96E+04	0.721
PCB-6 23'-DiCB	14.80		1.0255	1.0255	0	2.77E+07	1.55	0.79	113	1.96E+04	0.765
PCB-5 23'-DiCB	15.07		1.0443	1.0440	-0.3	1.87E+06	1.47	0.79	7.65	1.96E+04	0.766
PCB-8 24'-DiCB	15.19		1.0522	1.0523	+0.1	1.58E+08	1.56	0.82	617	1.96E+04	0.731
PCB-14 35'-DiCB	16.64		0.9304	0.9299	-0.5	1.60E+06	1.64	0.97	5.28	1.96E+04	0.621
PCB-11 33'-DiCB	17.37		0.9708	0.9706	-0.2	6.98E+08	1.57	0.85	2,640	1.96E+04	0.708
PCB-13/12 34'/34'-DiCB	17.63	C	0.9858	0.9853	-0.5	2.26E+07	1.56	0.87	83.1	1.96E+04	0.691
PCB-15 44'-DiCB	17.91		1.0008	1.0008	0	1.42E+08	1.55	1.08	421	1.96E+04	0.557
PCB-19 22'6-TrCB	15.44		1.0011	1.0011	0	1.48E+07	1.07	1.09	79.2	3.19E+03	0.146
PCB-30/18 246/22'5-TrCB	17.10	C	1.1076	1.1085	+0.9	2.53E+08	1.08	1.38	1,080	3.19E+03	0.116
PCB-17 22'4-TrCB	17.46		1.1316	1.1324	+0.8	8.84E+07	1.07	1.19	434	3.19E+03	0.133
PCB-27 23'6-TrCB	17.64		1.1433	1.1441	+0.8	2.28E+07	1.08	1.60	83.7	3.19E+03	0.0997
PCB-24 236-TrCB	NotFnd		1.1512	-		0.00E+00		1.56	ND	3.19E+03	0.102
PCB-16 22'3-TrCB	17.85		1.1566	1.1571	+0.5	6.96E+07	1.08	0.90	452	3.19E+03	0.176

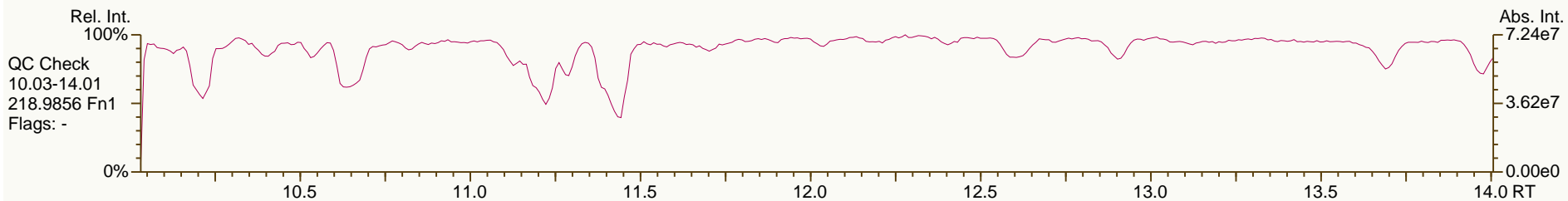
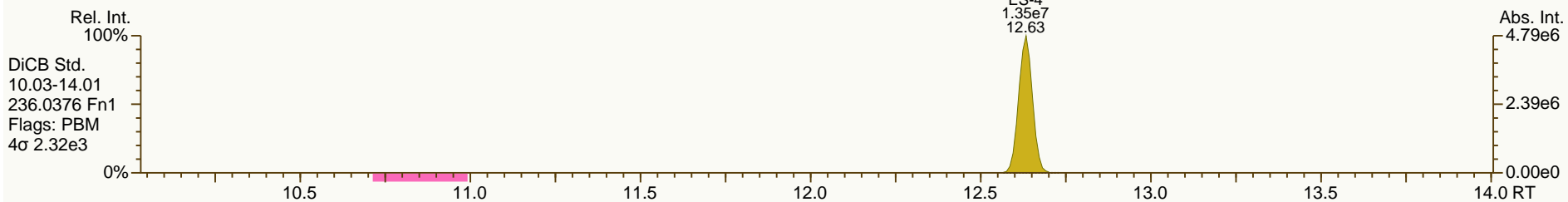
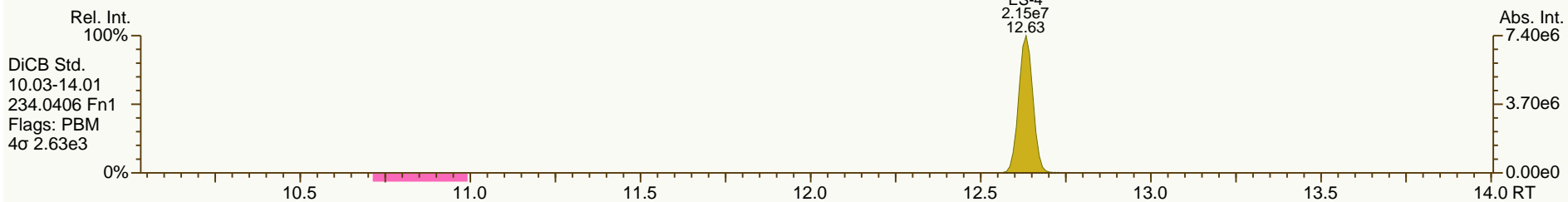
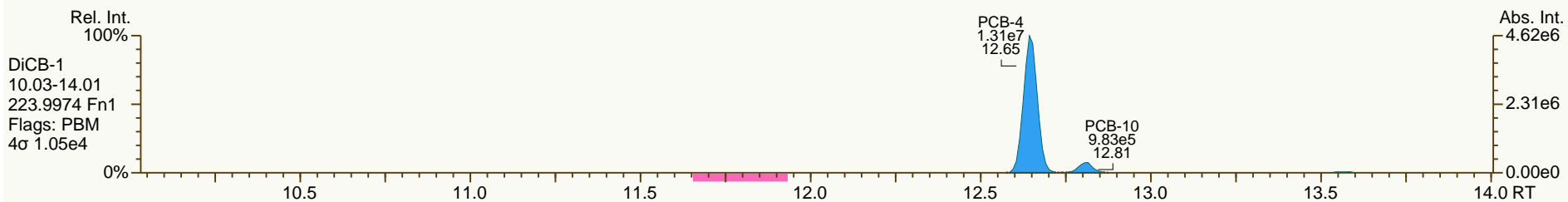
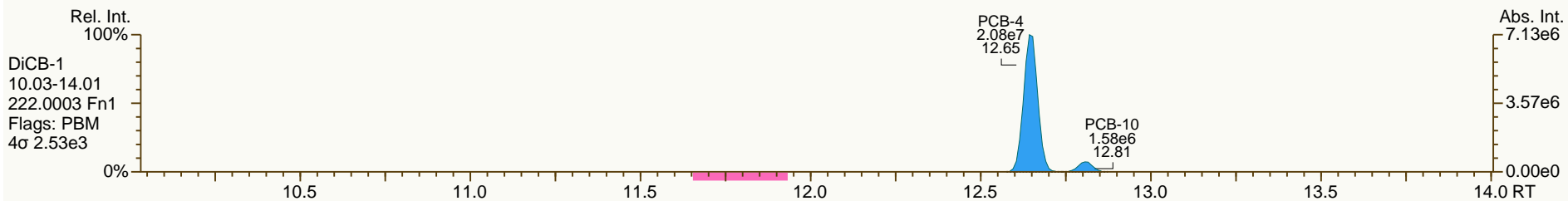
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	18.31		1.1863	1.1873	+1.1	1.12E+08	1.08	1.69	389	3.19E+03	0.094
PCB-34 23'5'-TrCB	19.42		0.8114	0.8100	-1.6	3.43E+06	1.02	0.84	19.7	1.47E+04	0.929
PCB-23 235-TrCB	19.56	EMPC	0.8172	0.8157	-1.8	3.22E+05	0.88	0.90	1.73	1.47E+04	0.873
PCB-26/29 23'5'/245-TrCB	19.81	C	0.8285	0.8263	-2.6	9.26E+07	1.03	0.92	487	1.47E+04	0.853
PCB-25 23'4-TrCB	20.02		0.8363	0.8349	-1.7	3.81E+07	1.03	0.92	199	1.47E+04	0.847
PCB-31 24'5-TrCB	20.29		0.8474	0.8462	-1.5	5.76E+08	1.04	0.97	2,870	1.47E+04	0.809
PCB-28/20 244'/233'-TrCB	20.55	C	0.8584	0.8569	-1.8	6.59E+08	1.03	0.93	3,420	1.47E+04	0.843
PCB-21/33 234/23'4'-TrCB	20.75	C	0.8653	0.8652	-0.1	2.53E+08	1.03	0.96	1,270	1.47E+04	0.811
PCB-22 234'-TrCB	21.08		0.8804	0.8792	-1.5	1.77E+08	1.03	0.89	961	1.47E+04	0.88
PCB-36 33'5-TrCB	22.46		0.9368	0.9364	-0.5	7.01E+06	1.03	1.01	33.5	1.47E+04	0.775
PCB-39 34'5-TrCB	22.78		0.9495	0.9499	+0.5	3.32E+06	1.02	1.04	15.4	1.47E+04	0.752
PCB-38 345-TrCB	23.26	EMPC	0.9702	0.9701	-0.1	5.51E+05	1.26	0.93	2.87	1.47E+04	0.845
PCB-35 33'4-TrCB	23.65		0.9864	0.9864	0	1.90E+07	1.04	0.94	97.8	1.47E+04	0.834
PCB-37 344'-TrCB	24.00		1.0008	1.0008	0	1.88E+08	1.04	1.10	821	1.47E+04	0.708
PCB-54 22'66'-TeCB	18.15		1.0010	1.0010	0	5.07E+05	0.81	1.21	2.78	1.55E+03	0.0829
PCB-50/53 22'46/22'56'-TeCB	20.03	C	0.9082	0.9063	-2.3	5.41E+07	0.80	0.77	398	2.14E+03	0.181
PCB-45 22'36-TeCB	20.61		0.9329	0.9325	-0.5	4.66E+07	0.79	0.64	412	2.14E+03	0.218
PCB-51 22'46'-TeCB	20.70		0.9364	0.9363	-0.1	1.01E+07	0.80	0.81	70.7	2.14E+03	0.172
PCB-46 22'36'-TeCB	20.87		0.9450	0.9444	-0.8	1.62E+07	0.79	0.63	146	2.14E+03	0.222
PCB-52 22'55'-TeCB	22.12	E	1.0010	1.0010	0	7.80E+08	0.79	0.77	5,760	2.14E+03	0.182
PCB-73 23'5'6-TeCB	NotFnd		1.0066	-		0.00E+00		1.00	ND	2.14E+03	0.139
PCB-43 22'35-TeCB	22.32		1.0103	1.0101	-0.3	1.34E+07	0.78	0.67	113	2.14E+03	0.207
PCB-69/49 23'46/22'45'-TeCB	22.55	C	1.0192	1.0202	+1.4	3.54E+08	0.79	0.94	2,130	2.14E+03	0.148
PCB-48 22'45-TeCB	22.79		1.0310	1.0313	+0.4	7.87E+07	0.80	0.78	575	2.14E+03	0.18
PCB-44/47/65 ...-TeCB	22.98	C	1.0405	1.0396	-1.2	5.38E+08	0.80	0.82	3,710	2.14E+03	0.17
PCB-59/62/75 ...-TeCB	23.27	C	1.0525	1.0527	+0.3	4.41E+07	0.80	1.06	236	2.14E+03	0.132
PCB-42 22'34'-TeCB	23.43		1.0594	1.0599	+0.7	1.08E+08	0.80	0.73	836	2.14E+03	0.191
PCB-41 22'34-TeCB	23.74		1.0737	1.0741	+0.6	2.95E+07	0.77	0.66	252	2.14E+03	0.21
PCB-71/40 23'4'6/22'33'-TeCB	23.85	C	1.0781	1.0789	+1.1	2.46E+08	0.80	0.79	1,760	2.14E+03	0.176
PCB-64 234'6-TeCB	24.05		1.0870	1.0879	+1.3	2.88E+08	0.80	1.14	1,440	2.14E+03	0.123
PCB-72 23'55'-TeCB	24.80		0.8340	0.8339	-0.1	1.05E+07	0.78	0.92	64.6	1.97E+04	1.39
PCB-68 23'45'-TeCB	25.05		0.8423	0.8423	0	5.30E+06	0.78	1.06	28.5	1.97E+04	1.22
PCB-57 233'5-TeCB	NotFnd		0.8542	-		0.00E+00		0.93	ND	1.97E+04	1.38
PCB-58 233'5'-TeCB	25.63		0.8607	0.8617	+1.5	2.95E+06	0.77	0.94	17.9	1.97E+04	1.37
PCB-67 23'45-TeCB	25.78		0.8659	0.8668	+1.4	1.73E+07	0.78	0.98	99.8	1.97E+04	1.31
PCB-63 234'5-TeCB	26.01		0.8733	0.8744	+1.7	2.93E+07	0.78	1.04	159	1.97E+04	1.23
PCB-61/70/74/76 ...-TeCB	26.30	C	0.8826	0.8842	+2.5	1.46E+09	0.78	0.98	8,490	1.97E+04	1.31
PCB-66 23'44'-TeCB	26.56	E	0.8920	0.8928	+1.3	7.52E+08	0.78	0.94	4,560	1.97E+04	1.37
PCB-55 233'4-TeCB	NotFnd		0.8964	-		0.00E+00		0.90	ND	1.97E+04	1.42
PCB-56 233'4'-TeCB	27.11		0.9107	0.9114	+1.1	3.24E+08	0.79	0.89	2,060	1.97E+04	1.43
PCB-60 2344'-TeCB	27.30		0.9170	0.9177	+1.1	1.88E+08	0.78	0.95	1,120	1.97E+04	1.35
PCB-80 33'55'-TeCB	NotFnd		0.9294	-		0.00E+00		1.07	ND	1.97E+04	1.2
PCB-79 33'45'-TeCB	28.92		0.9724	0.9721	-0.5	6.79E+06	0.76	1.07	36.1	1.97E+04	1.2
PCB-78 33'45-TeCB	NotFnd		0.9882	-		0.00E+00		0.93	ND	1.97E+04	1.38
PCB-104 22'466'-PeCB	22.94	J	1.0009	1.0011	+0.3	4.25E+04	0.65	1.25	0.266	1.18E+03	0.0762
PCB-96 22'366'-PeCB	23.23		1.0138	1.0137	-0.1	4.31E+06	0.63	0.99	34.2	1.18E+03	0.0966
PCB-103 22'45'6-PeCB	24.95		0.8917	0.8906	-1.6	4.10E+06	0.62	0.85	32.6	2.66E+04	2.64
PCB-94 22'356'-PeCB	25.12		0.8979	0.8968	-1.7	2.37E+06	0.62	0.73	21.8	2.66E+04	3.07

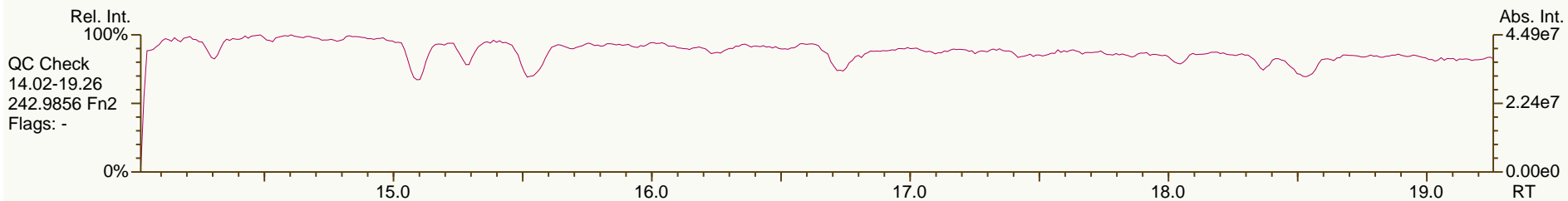
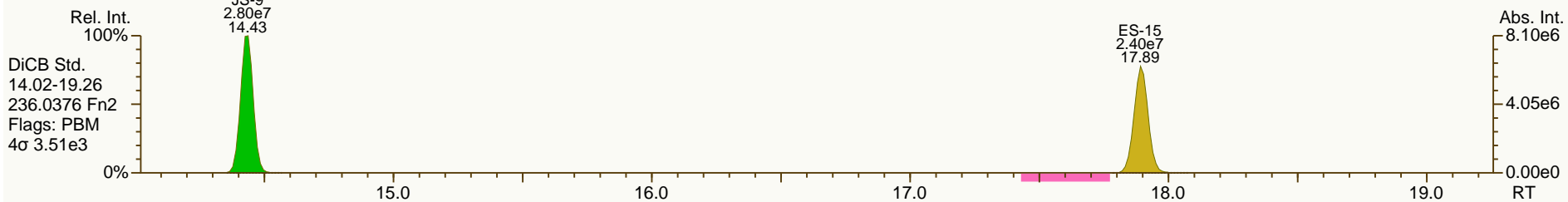
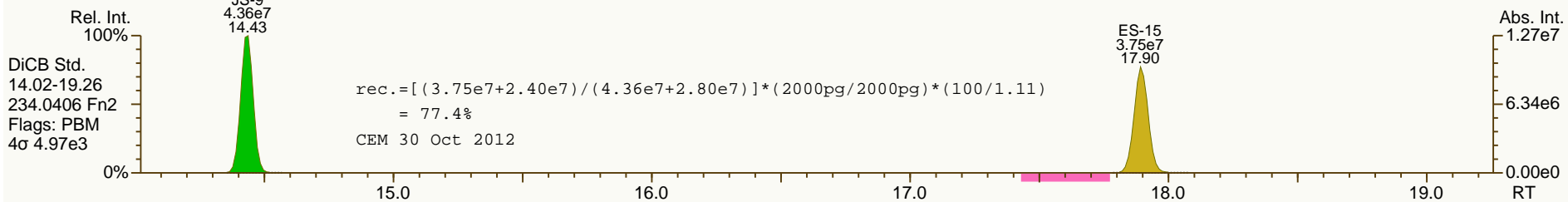
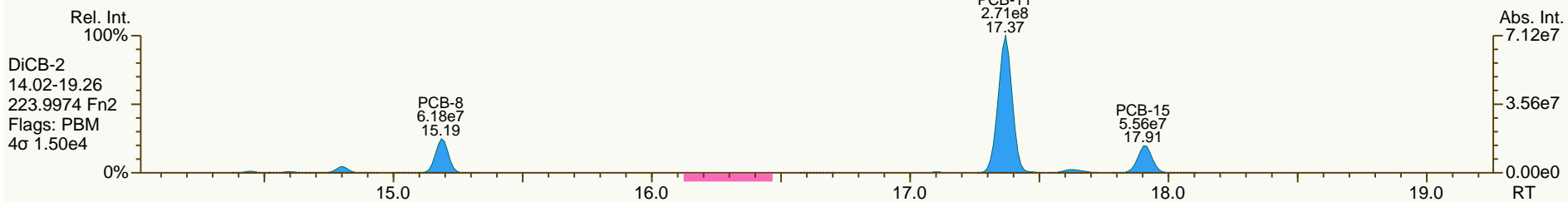
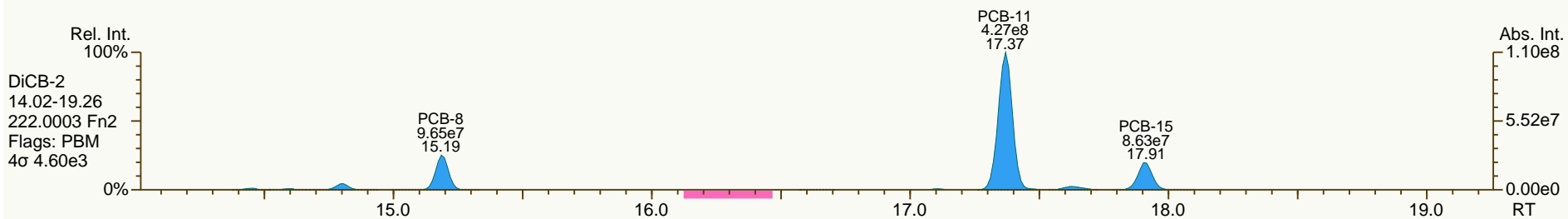
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	25.51		0.9112	0.9107	-0.8	4.32E+08	0.62	0.79	3,720	2.66E+04	2.87
PCB-100/93 22'44'6/22'356-PeCB	25.72	C	0.9186	0.9180	-0.9	3.71E+06	0.60	0.81	30.8	2.66E+04	2.77
PCB-102 22'456'-PeCB	25.84		0.9224	0.9223	-0.2	1.95E+07	0.62	0.81	163	2.66E+04	2.78
PCB-98 22'34'6'-PeCB	NotFnd		0.9248	-		0.00E+00		0.76	ND	2.66E+04	2.97
PCB-88 22'346-PeCB	NotFnd		0.9349	-		0.00E+00		0.62	ND	2.66E+04	3.66
PCB-91 22'34'6-PeCB	26.26		0.9374	0.9375	+0.2	9.42E+07	0.62	0.83	765	2.66E+04	2.71
PCB-84 22'33'6-PeCB	26.43		0.9438	0.9434	-0.6	1.61E+08	0.62	0.68	1,620	2.66E+04	3.34
PCB-89 22'346'-PeCB	26.83		0.9584	0.9579	-0.8	8.07E+06	0.61	0.72	76	2.66E+04	3.14
PCB-121 23'45'6-PeCB	NotFnd		0.9722	-		0.00E+00		1.10	ND	2.66E+04	2.06
PCB-92 22'355'-PeCB	27.54		0.9830	0.9831	+0.2	1.48E+08	0.62	0.76	1,320	2.66E+04	2.96
PCB-113/90/101 ...-PeCB	28.03	C	0.9999	1.0008	+1.5	8.79E+08	0.62	0.90	6,610	2.66E+04	2.51
PCB-83 22'33'5-PeCB	28.40		1.0147	1.0140	-1.2	3.73E+07	0.61	0.64	394	2.66E+04	3.52
PCB-99 22'44'5-PeCB	28.51		1.0184	1.0179	-0.9	4.19E+08	0.63	0.89	3,180	2.66E+04	2.53
PCB-112 233'56-PeCB	NotFnd		1.0217	-		0.00E+00		1.06	ND	2.66E+04	2.12
PCB-108/119/86/97/125...-PeCB	28.96	C	1.0338	1.0338	0	6.29E+08	0.62	0.92	4,640	2.66E+04	2.46
PCB-117 234'56-PeCB	29.51		1.0525	1.0536	+1.9	1.90E+08	0.62	0.84	1,540	2.66E+04	2.7
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0552	-		0.00E+00		1.02	ND	2.66E+04	2.22
PCB-110 233'4'6-PeCB	29.65	E	1.0598	1.0585	-2.3	1.18E+09	0.62	1.10	7,270	2.66E+04	2.05
PCB-115 2344'6-PeCB	NotFnd		1.0628	-		0.00E+00		1.02	ND	2.66E+04	2.2
PCB-82 22'33'4-PeCB	29.91		1.0691	1.0676	-2.7	8.42E+07	0.62	0.67	846	2.66E+04	3.35
PCB-111 233'55'-PeCB	NotFnd		1.0821	-		0.00E+00		1.13	ND	2.66E+04	1.99
PCB-120 23'455'-PeCB	30.67		1.0960	1.0949	-2.0	5.28E+06	0.61	1.14	31.3	2.66E+04	1.98
PCB-107/124 ...-PeCB	31.61	C	0.9911	0.9912	+0.2	3.60E+07	0.63	1.06	230	2.66E+04	2.13
PCB-109 233'46-PeCB	31.83		0.9975	0.9982	+1.3	9.64E+07	0.62	1.13	579	2.66E+04	2
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.04	ND	2.66E+04	2.17
PCB-122 233'4'5'-PeCB	32.46		1.0093	1.0091	-0.4	1.03E+07	0.61	0.99	70.1	2.66E+04	2.14
PCB-127 33'455'-PeCB	NotFnd		1.0387	-		0.00E+00		1.09	ND	2.66E+04	2.09
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	1.39E+03	0.0924
PCB-152 22'3566'-HxCB	27.98		1.0056	1.0054	-0.3	5.74E+05	1.16	0.98	3.69	1.39E+03	0.103
PCB-150 22'34'66'-HxCB	28.13		1.0110	1.0108	-0.3	7.00E+05	1.23	1.01	4.37	1.39E+03	0.0998
PCB-136 22'33'66'-HxCB	28.41		1.0213	1.0208	-0.9	9.26E+07	1.26	0.93	630	1.39E+03	0.109
PCB-145 22'3466'-HxCB	28.67		1.0309	1.0302	-1.2	2.91E+05	1.15	0.95	1.92	1.39E+03	0.106
PCB-148 22'34'56'-HxCB	29.95		1.0773	1.0762	-2.0	5.19E+05	1.23	0.74	4.4	1.39E+03	0.135
PCB-151/135 ...-HxCB	30.44	C	1.0954	1.0939	-2.7	1.87E+08	1.27	0.72	1,630	1.39E+03	0.139
PCB-154 22'44'56'-HxCB	30.66		1.1031	1.1018	-2.4	5.82E+06	1.29	0.82	44.5	1.39E+03	0.122
PCB-144 22'345'6-HxCB	30.91		1.1121	1.1107	-2.6	2.84E+07	1.27	0.75	240	1.39E+03	0.135
PCB-147/149 ...-HxCB	31.20	C	1.1228	1.1211	-3.2	4.69E+08	1.26	0.75	3,970	1.39E+03	0.135
PCB-134 22'33'56-HxCB	31.36		1.1284	1.1271	-2.4	3.23E+07	1.27	0.59	342	1.39E+03	0.169
PCB-143 22'3456'-HxCB	NotFnd		1.1313	-		0.00E+00		0.73	ND	1.39E+03	0.138
PCB-139/140 ...-HxCB	31.71	C	1.1411	1.1394	-3.2	1.13E+07	1.26	0.76	93.2	1.39E+03	0.132
PCB-131 22'33'46-HxCB	31.87		1.1468	1.1453	-2.9	7.53E+06	1.28	0.65	72.8	1.39E+03	0.154
PCB-142 22'3456-HxCB	NotFnd		1.1516	-		0.00E+00		0.67	ND	1.39E+03	0.151
PCB-132 22'33'46'-HxCB	32.25		1.1602	1.1588	-2.7	1.89E+08	1.26	0.67	1,780	1.39E+03	0.15
PCB-133 22'33'55'-HxCB	32.71		1.1763	1.1753	-2.0	9.40E+06	1.25	0.70	85	1.39E+03	0.144
PCB-165 233'55'6-HxCB	NotFnd		0.9500	-		0.00E+00		0.87	ND	1.39E+03	0.116
PCB-146 22'34'55'-HxCB	33.25		0.9560	0.9558	-0.4	8.64E+07	1.26	0.78	702	1.39E+03	0.13
PCB-161 233'45'6-HxCB	NotFnd		0.9593	-		0.00E+00		0.96	ND	1.39E+03	0.105
PCB-153/168 ...-HxCB	33.77	C	0.9715	0.9709	-1.2	6.52E+08	1.26	0.93	4,420	1.39E+03	0.108

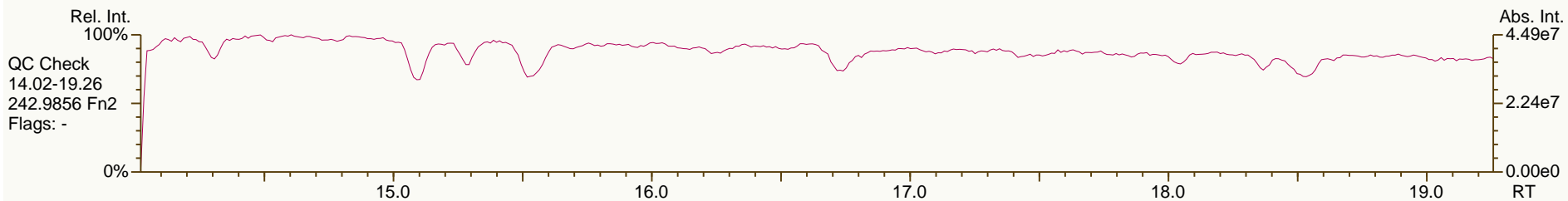
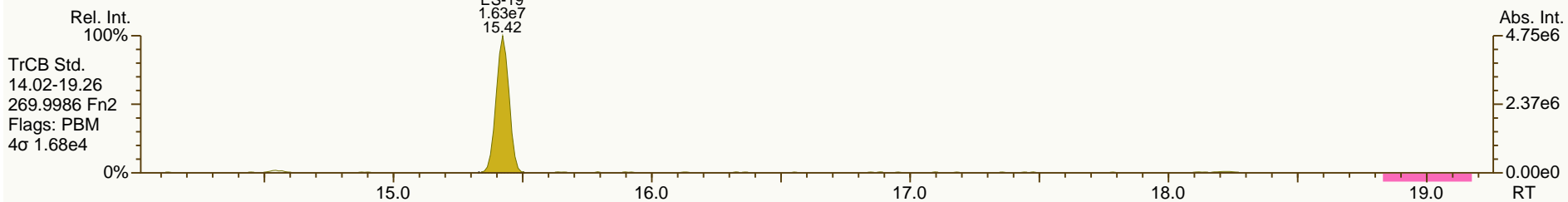
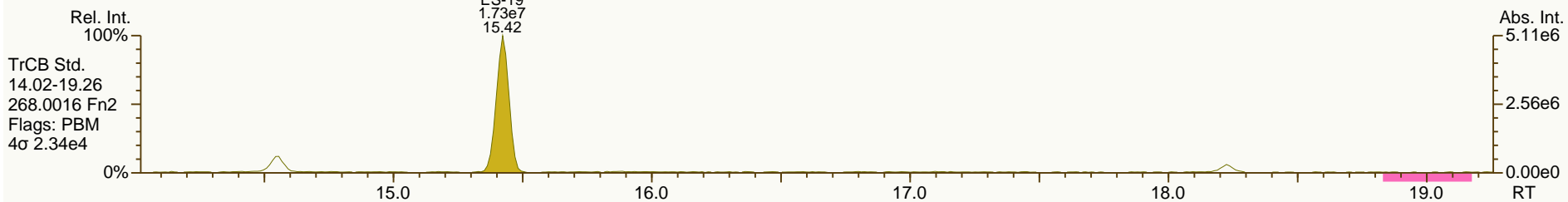
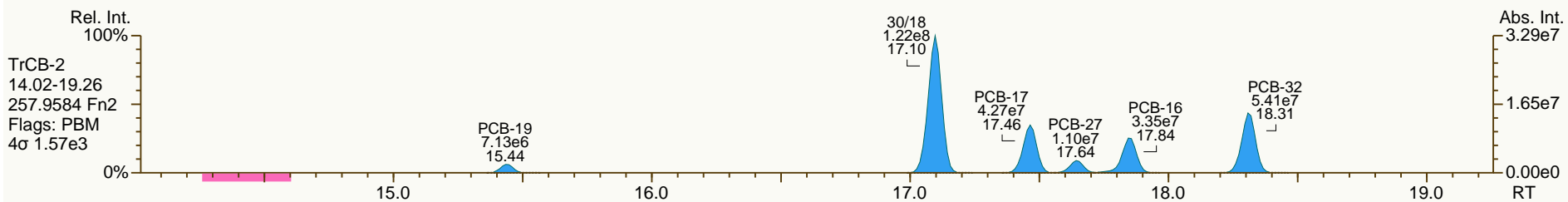
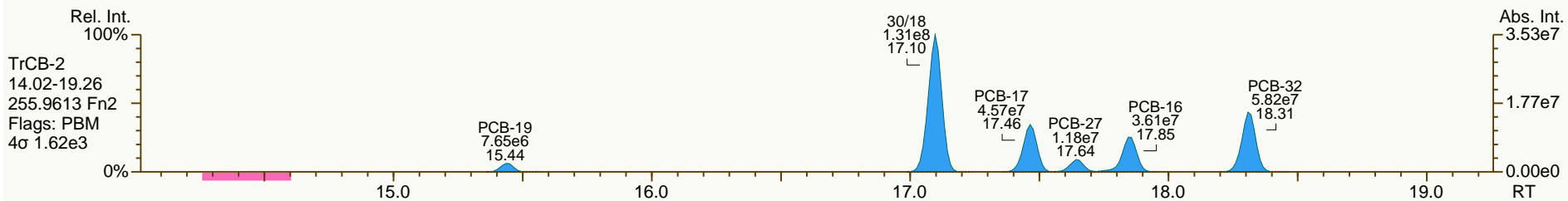
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	33.92		0.9753	0.9753	0	9.65E+07	1.26	0.73	830	1.39E+03	0.137
PCB-130 22'33'45'-HxCB	34.26		0.9850	0.9850	0	4.33E+07	1.27	0.64	429	1.39E+03	0.158
PCB-137 22'344'5'-HxCB	34.45		0.9906	0.9904	-0.4	2.68E+07	1.25	0.69	244	1.39E+03	0.145
PCB-164 233'4'5'6'-HxCB	34.54		0.9931	0.9930	-0.2	5.87E+07	1.26	0.90	409	1.39E+03	0.111
PCB-163/138/129 ...-HxCB	34.81	C	1.0012	1.0008	-0.8	7.70E+08	1.27	0.77	6,330	1.39E+03	0.131
PCB-160 233'456'-HxCB	NotFnd		1.0048	-		0.00E+00		0.90	ND	1.39E+03	0.112
PCB-158 233'44'6'-HxCB	35.14		1.0103	1.0103	0	9.87E+07	1.26	0.99	626	1.39E+03	0.101
PCB-128/166 ...-HxCB	35.85	C	0.9607	0.9604	-0.6	1.28E+08	1.23	0.85	1,070	7.76E+03	0.786
PCB-159 233'455'-HxCB	NotFnd		0.9835	-		0.00E+00		1.01	ND	7.76E+03	0.666
PCB-162 233'4'55'-HxCB	36.99		0.9899	0.9908	+2.0	5.43E+06	1.22	1.05	37	7.76E+03	0.638
PCB-188 22'34'566'-HpCB	32.62		1.0006	1.0006	0	1.45E+05	1.15	1.03	1.19	9.26E+02	0.0912
PCB-179 22'33'566'-HpCB	32.88		1.0088	1.0086	-0.4	5.33E+07	1.06	0.99	457	9.26E+02	0.095
PCB-184 22'344'66'-HpCB	33.35	J	1.0231	1.0231	0	9.29E+04	1.15	0.96	0.821	9.26E+02	0.0979
PCB-176 22'33'466'-HpCB	33.63		1.0316	1.0317	+0.2	1.54E+07	1.06	1.07	123	9.26E+02	0.0881
PCB-186 22'34566'-HpCB	34.01	J EMPC	1.0433	1.0433	0	2.91E+04	1.41	1.00	0.247	9.26E+02	0.094
PCB-178 22'33'55'6'-HpCB	35.19		1.0790	1.0795	+1.1	1.90E+07	1.06	0.73	222	9.26E+02	0.129
PCB-175 22'33'45'6'-HpCB	35.73		1.0955	1.0959	+0.9	4.76E+06	1.04	0.94	43.3	4.89E+03	0.532
PCB-187 22'34'55'6'-HpCB	35.95		1.1024	1.1029	+1.1	1.42E+08	1.05	1.00	1,210	4.89E+03	0.498
PCB-182 22'344'56'-HpCB	36.14		1.1077	1.1086	+2.0	6.17E+05	1.05	1.03	5.09	4.89E+03	0.483
PCB-183 22'344'5'6'-HpCB	36.47		1.1182	1.1188	+1.3	7.68E+07	1.05	1.06	616	4.89E+03	0.469
PCB-185 22'3455'6'-HpCB	NotFnd		1.1205	-		0.00E+00		0.98	ND	4.89E+03	0.511
PCB-174 22'33'456'-HpCB	36.64		1.1238	1.1240	+0.4	1.04E+08	1.05	0.87	1,020	4.89E+03	0.573
PCB-177 22'33'45'6'-HpCB	37.02		1.1351	1.1354	+0.7	6.17E+07	1.06	0.86	609	4.89E+03	0.578
PCB-181 22'344'56'-HpCB	37.36		1.1457	1.1460	+0.7	1.06E+06	1.11	0.99	9.13	4.89E+03	0.503
PCB-171/173 ...-HpCB	37.55	C	1.1510	1.1517	+1.6	3.26E+07	1.06	0.87	319	4.89E+03	0.572
PCB-172 22'33'455'-HpCB	38.93		0.9027	0.9024	-0.7	1.67E+07	1.05	0.79	193	4.89E+03	0.665
PCB-192 233'455'6'-HpCB	NotFnd		0.9084	-		0.00E+00		1.03	ND	4.89E+03	0.509
PCB-180/193 ...-HpCB	39.48	C	0.9147	0.9152	+1.2	2.48E+08	1.05	0.90	2,500	4.89E+03	0.581
PCB-191 233'44'5'6'-HpCB	39.77		0.9222	0.9219	-0.7	5.45E+06	1.04	1.07	46.5	4.89E+03	0.491
PCB-170 22'33'44'5'-HpCB	40.51		0.9396	0.9392	-1.0	9.69E+07	1.05	0.72	1,220	4.89E+03	0.725
PCB-190 233'44'56'-HpCB	40.97		0.9500	0.9497	-0.7	2.26E+07	1.06	1.04	198	4.89E+03	0.505
PCB-202 22'33'55'66'-OoCB	37.13		1.0006	1.0006	0	1.32E+07	0.91	0.91	137	9.58E+02	0.128
PCB-201 22'33'45'66'-OoCB	37.91		1.0215	1.0215	0	7.69E+06	0.90	1.02	71.5	9.58E+02	0.114
PCB-204 22'344'566'-OoCB	NotFnd		1.0369	-		0.00E+00		0.96	ND	9.58E+02	0.122
PCB-197 22'33'44'66'-OoCB	38.65		1.0420	1.0417	-0.7	1.69E+06	0.93	1.06	15.2	9.58E+02	0.11
PCB-200 22'33'4566'-OoCB	38.73		1.0441	1.0438	-0.7	5.15E+06	0.89	0.96	51	9.58E+02	0.121
PCB-198/199 ...-OoCB	41.11	C	1.1071	1.1079	+2.0	4.53E+07	0.89	0.70	616	9.58E+02	0.167
PCB-196 22'33'44'56'-OoCB	41.66		1.1224	1.1227	+0.7	1.91E+07	0.92	0.71	254	9.58E+02	0.164
PCB-203 22'344'55'6'-OoCB	41.83		1.1270	1.1273	+0.8	2.93E+07	0.92	0.76	368	9.58E+02	0.154
PCB-195 22'33'44'56'-OoCB	42.92		0.9483	0.9476	-1.8	1.29E+07	0.91	0.74	215	2.16E+03	0.453
PCB-194 22'33'44'55'-OoCB	44.92		0.9917	0.9916	-0.3	3.52E+07	0.92	0.80	548	2.16E+03	0.422
PCB-205 233'44'55'6'-OoCB	45.32		1.0004	1.0004	0	1.81E+06	0.91	1.09	20.7	2.16E+03	0.309
PCB-208 22'33'455'66'-NoCB	42.73		1.0005	1.0005	0	7.00E+06	0.77	1.02	76.6	9.61E+02	0.143
PCB-207 22'33'44'566'-NoCB	43.51		1.0188	1.0188	0	3.03E+06	0.78	0.92	36.5	9.61E+02	0.158
PCB-206 22'33'44'55'6'-NoCB	46.78		1.0004	1.0000	-1.1	1.60E+07	0.77	0.98	196	9.61E+02	0.205

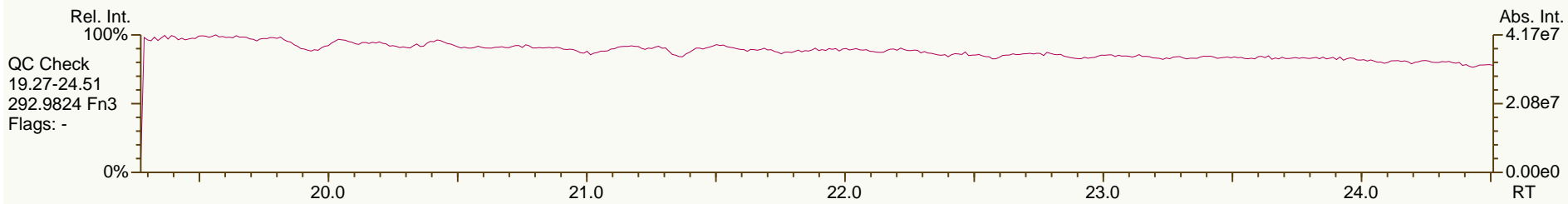
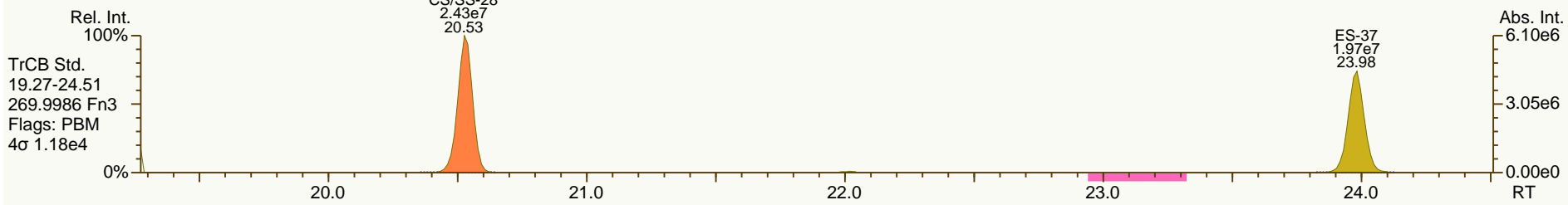
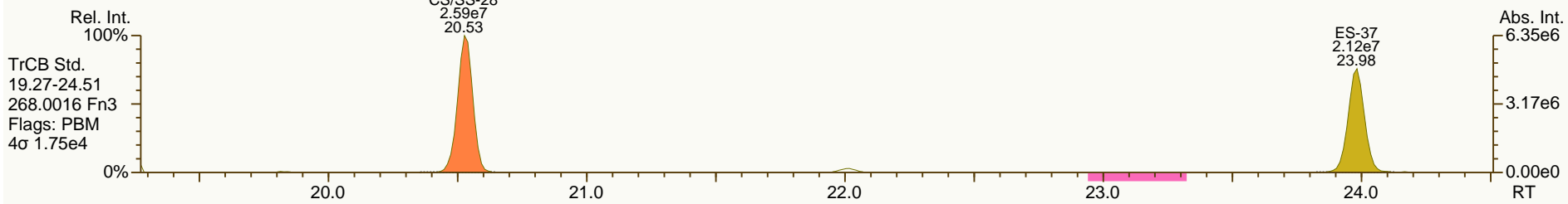
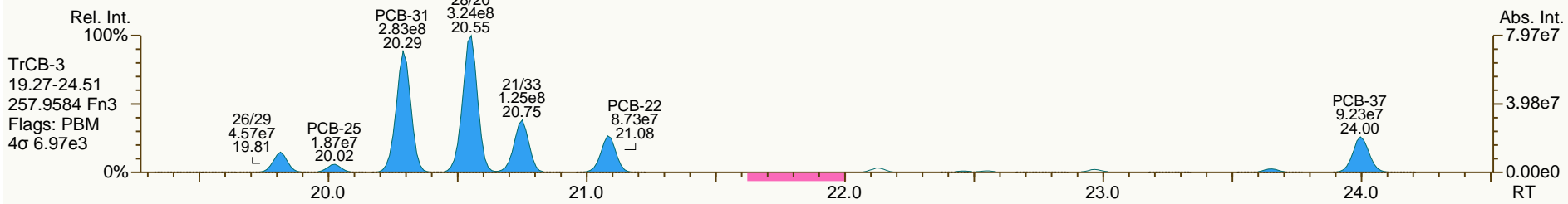
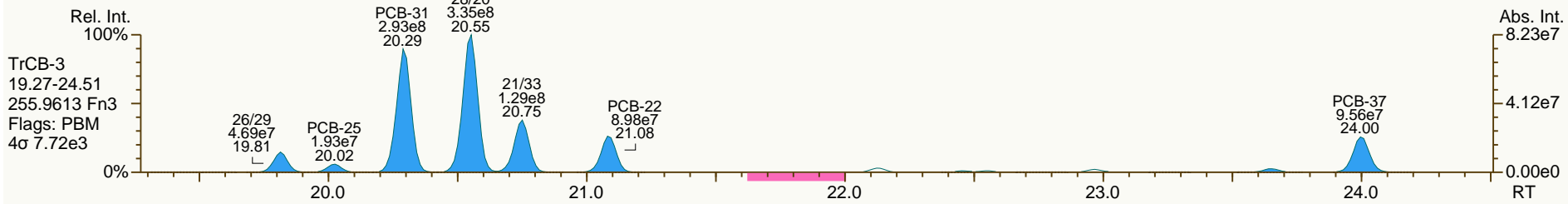


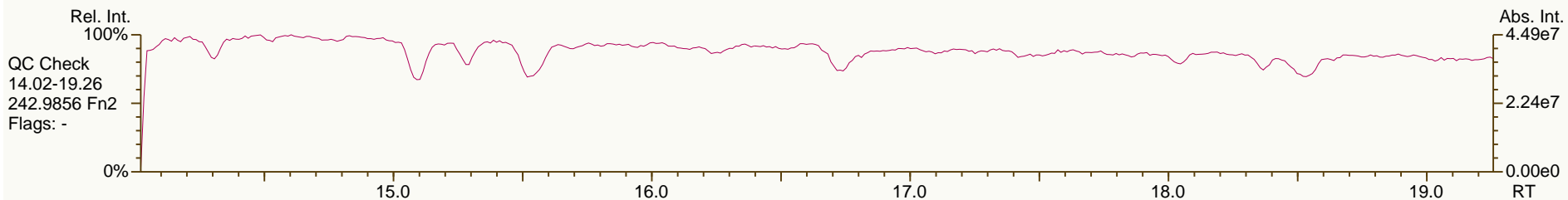
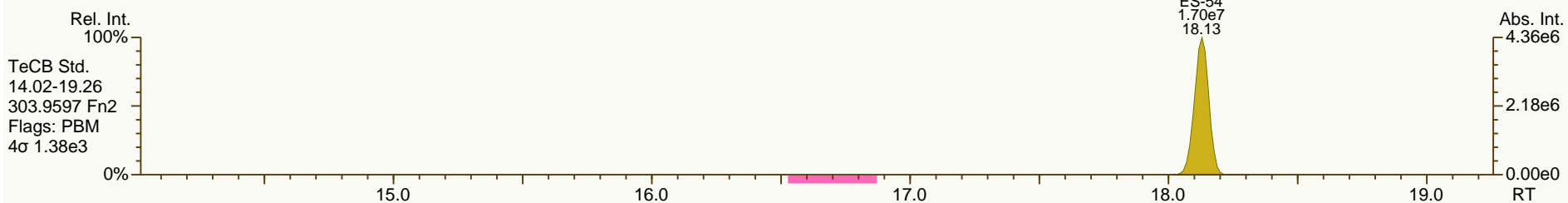
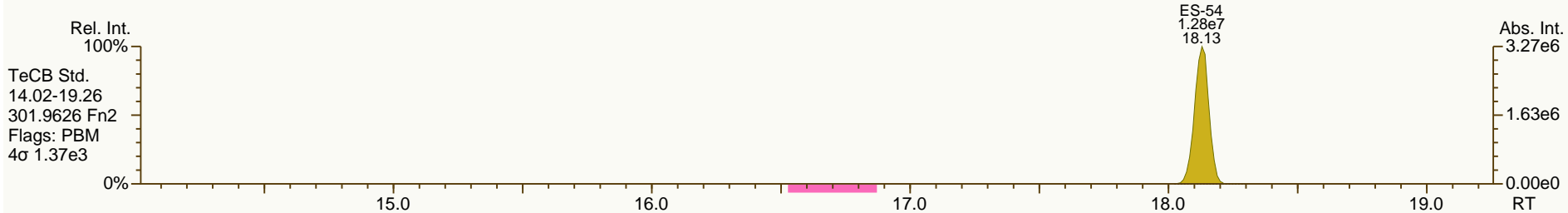
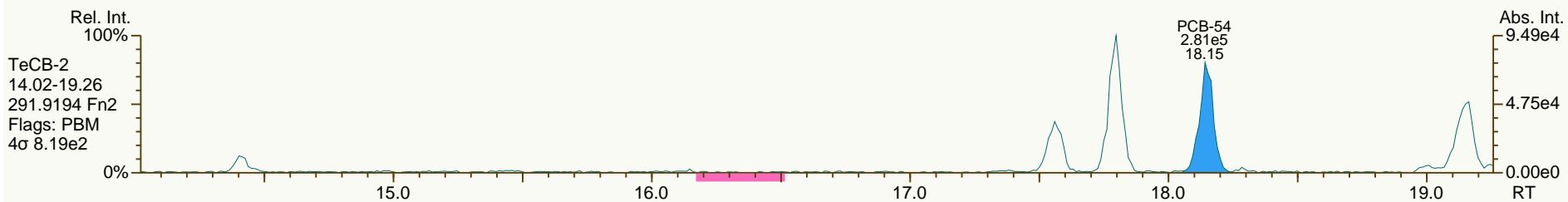
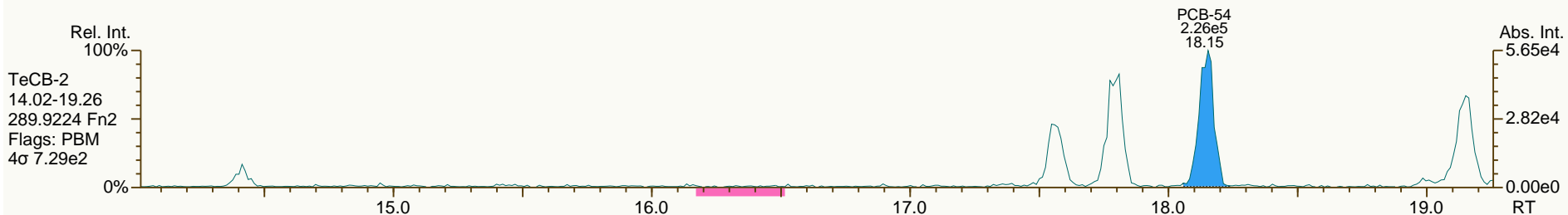


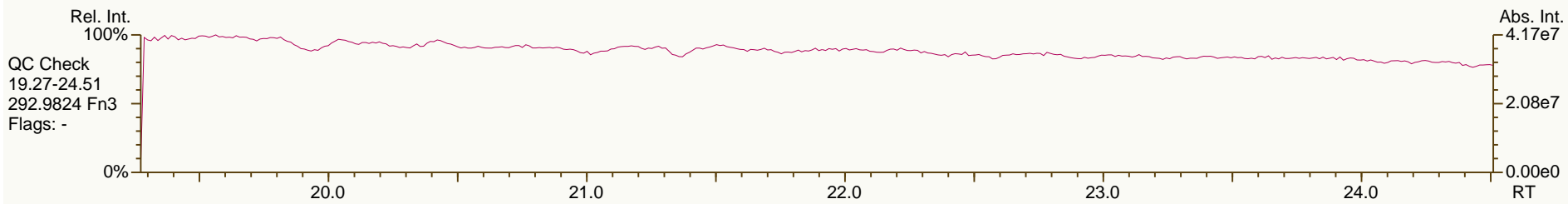
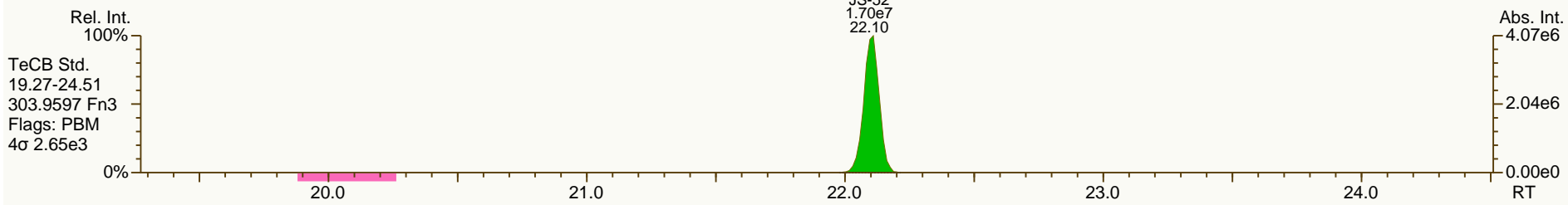
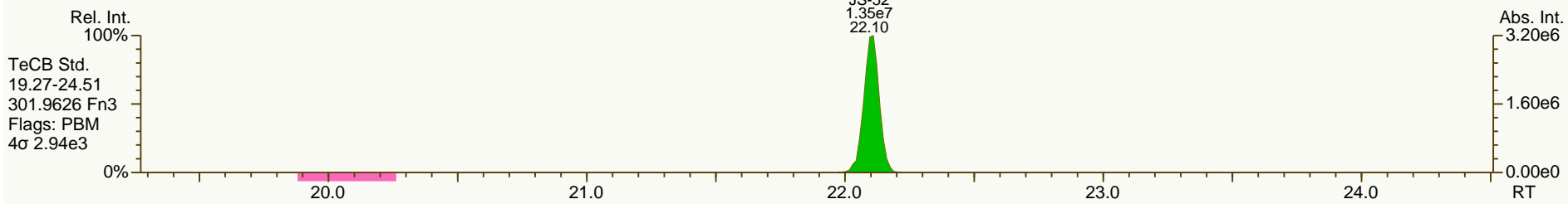
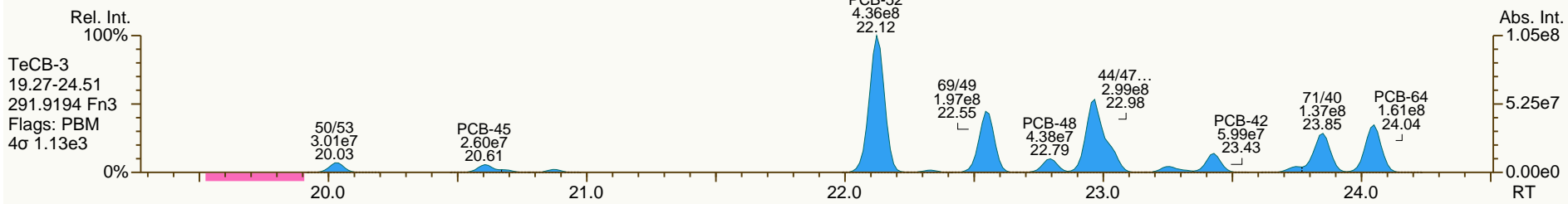
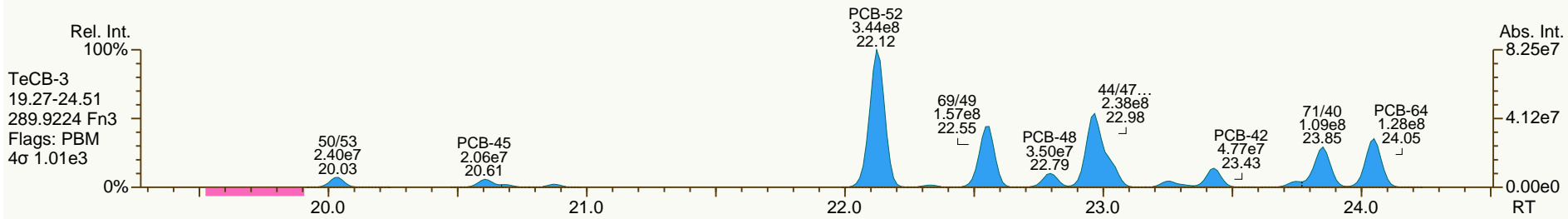


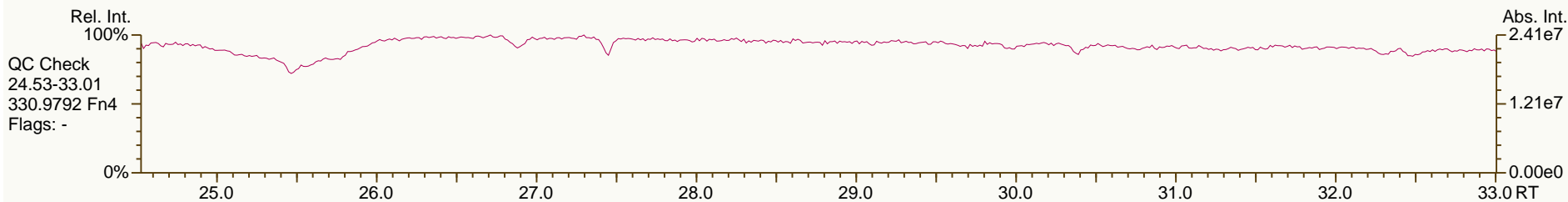
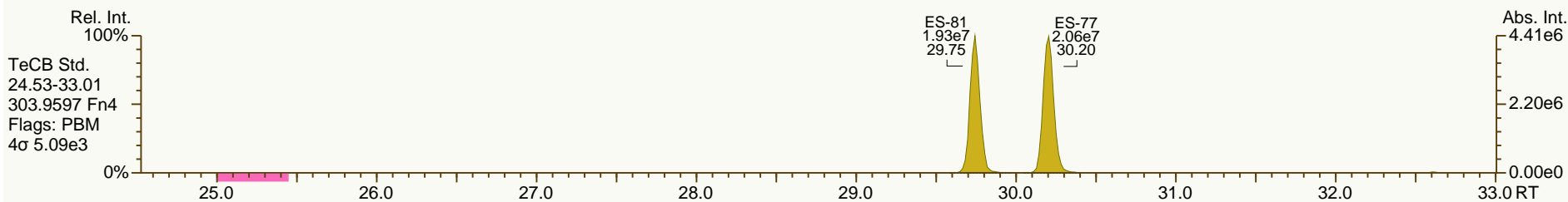
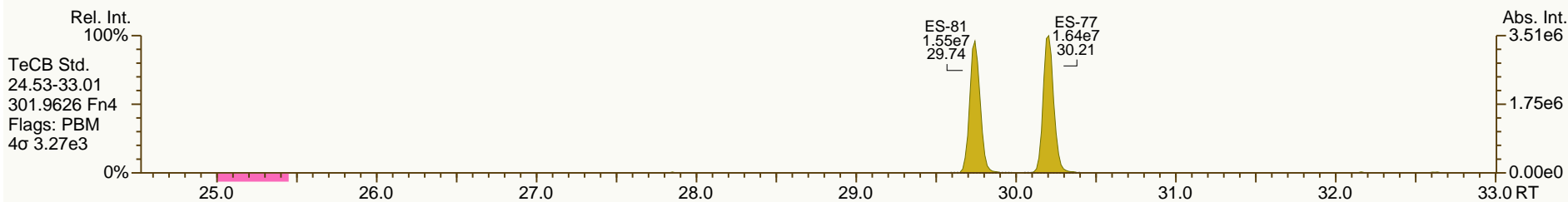
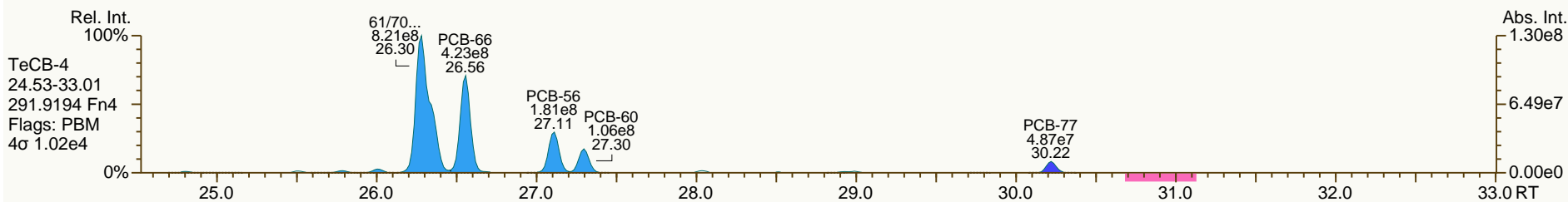
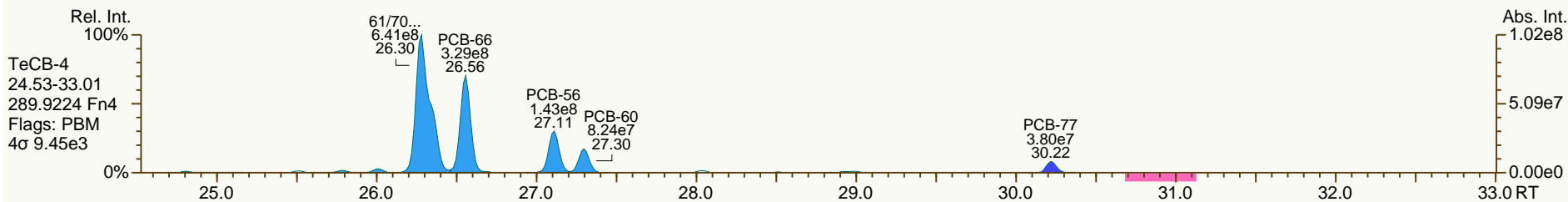


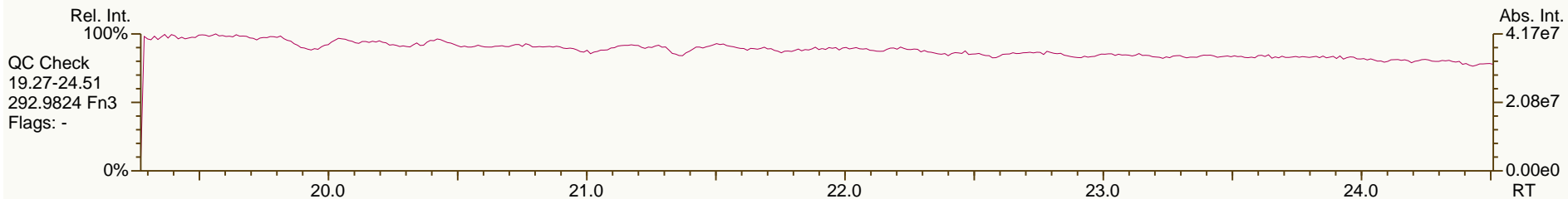
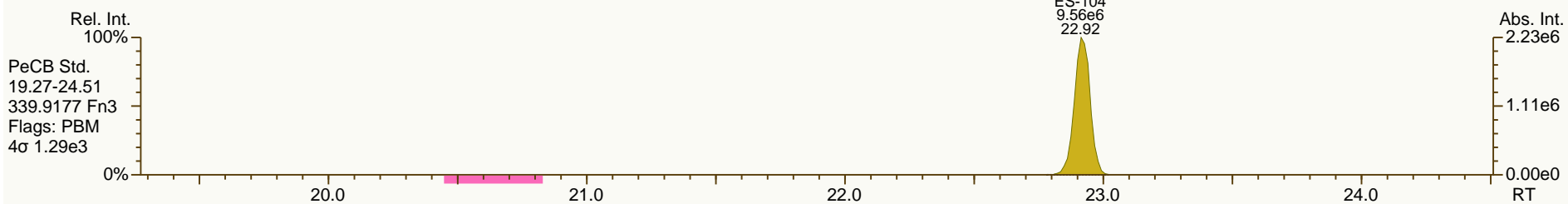
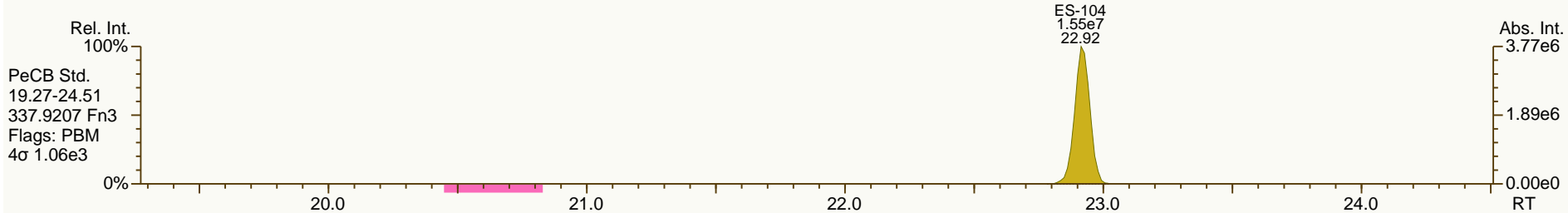
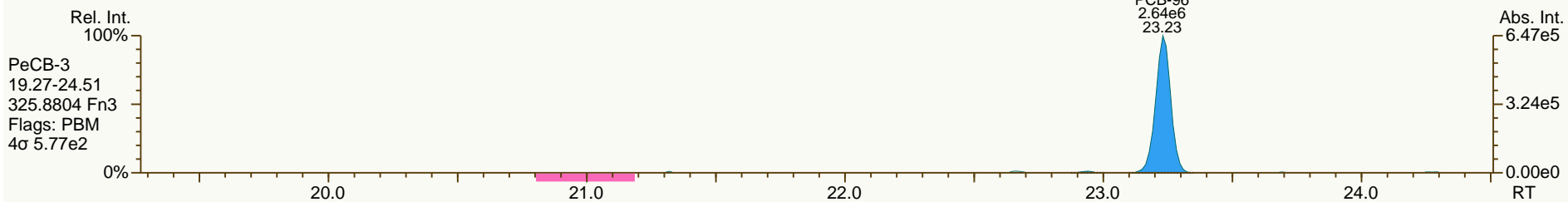
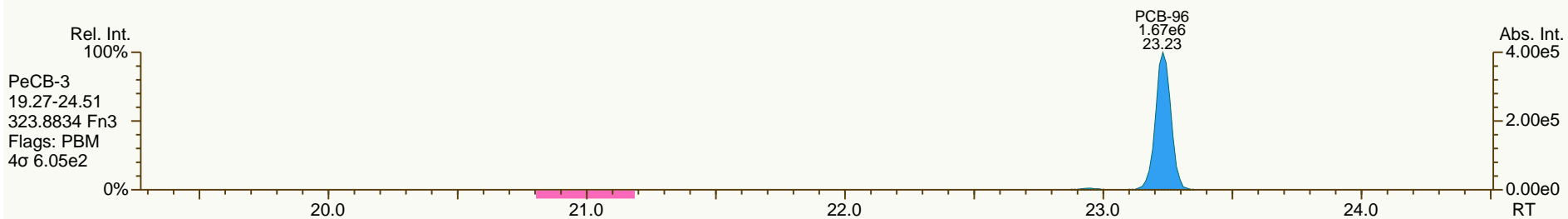


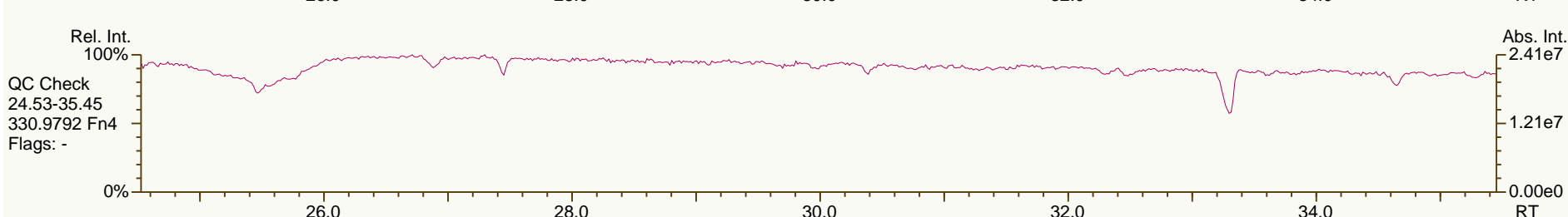
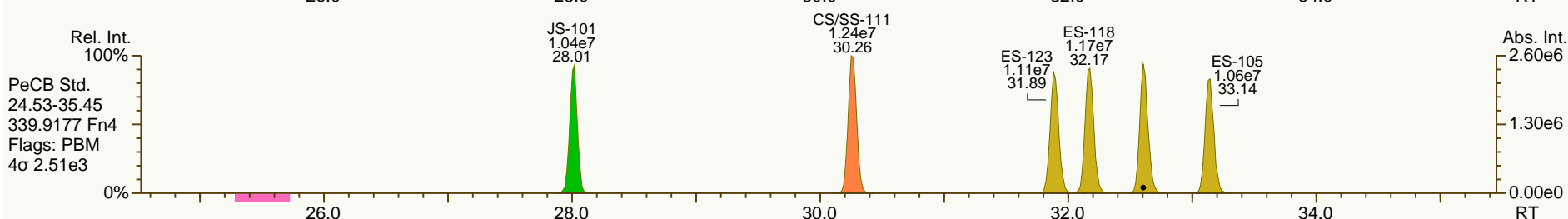
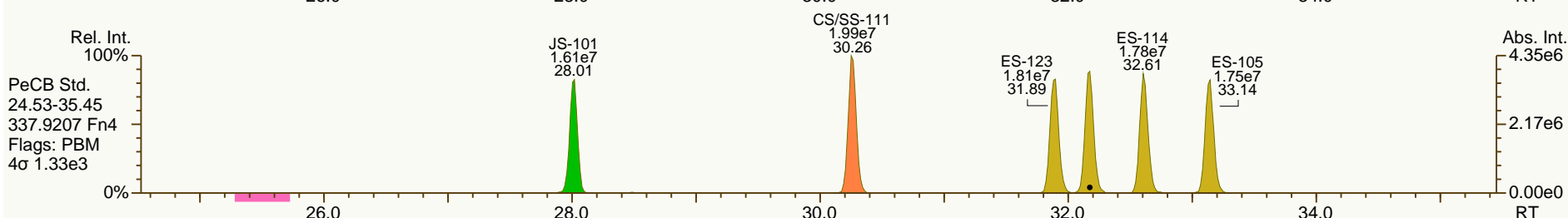
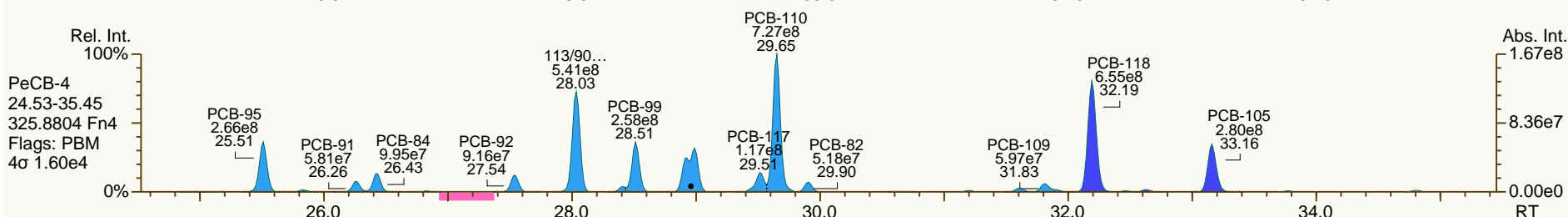
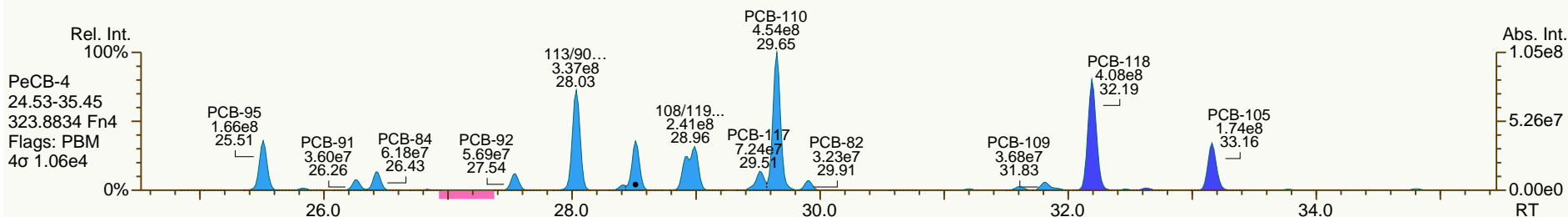


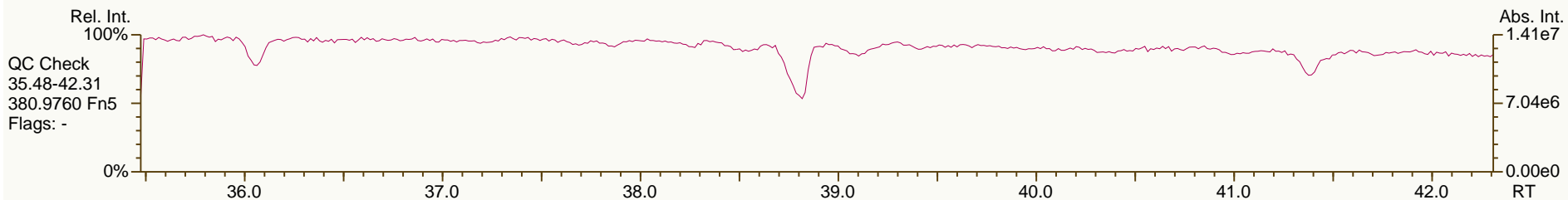
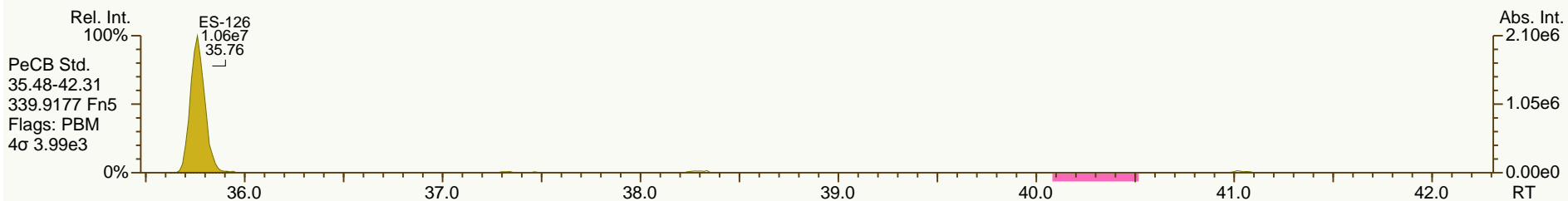
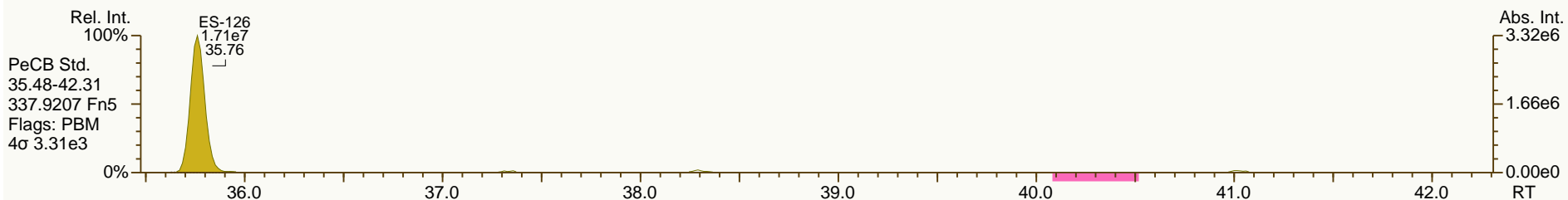
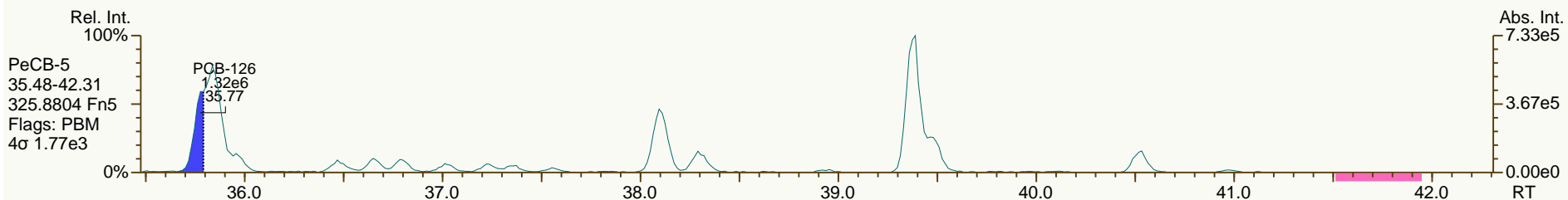
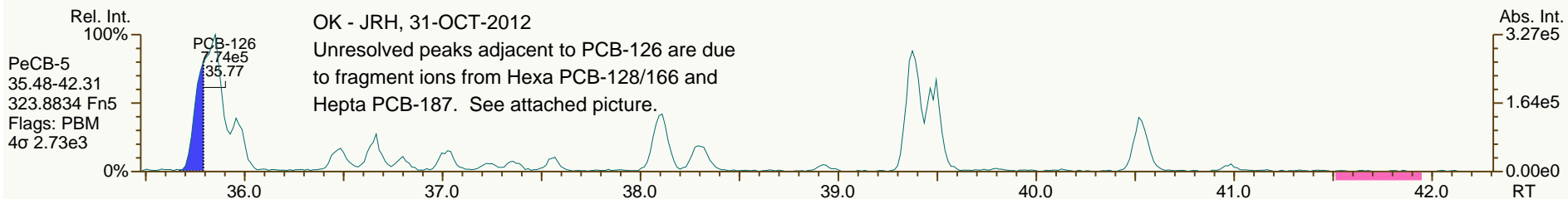


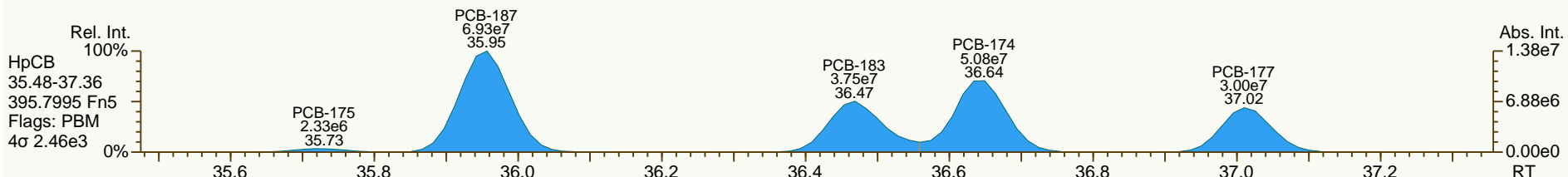
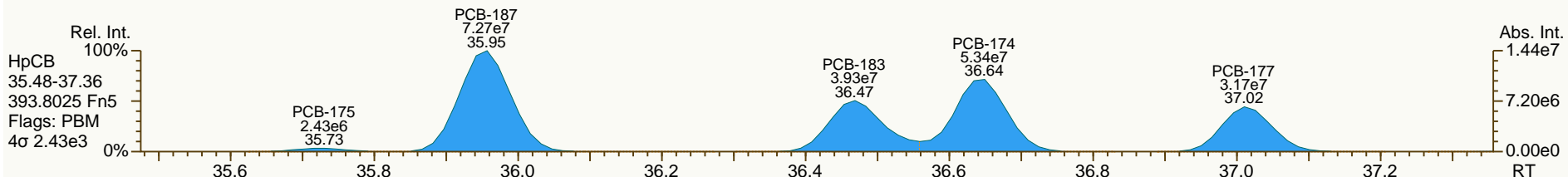
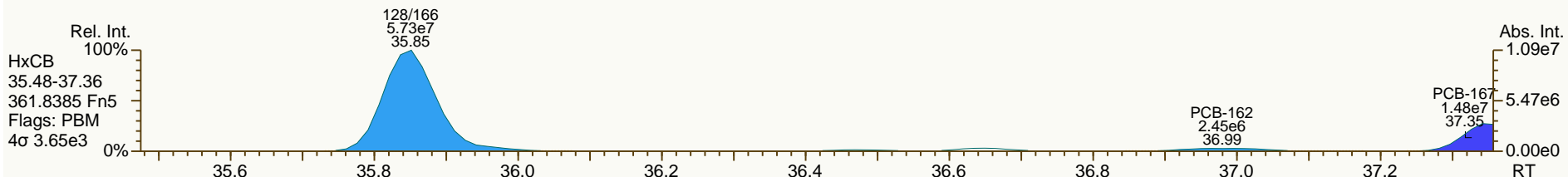
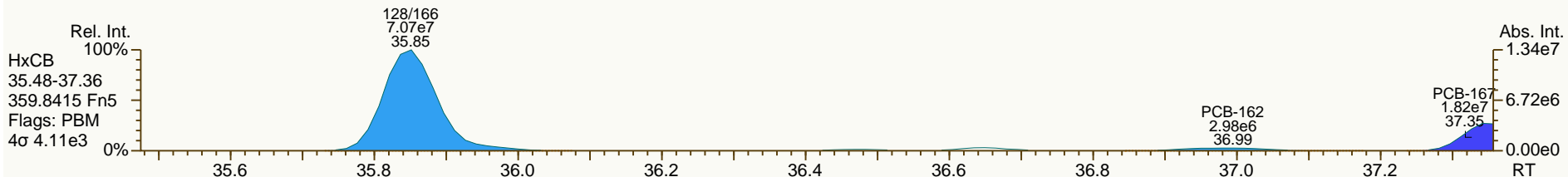
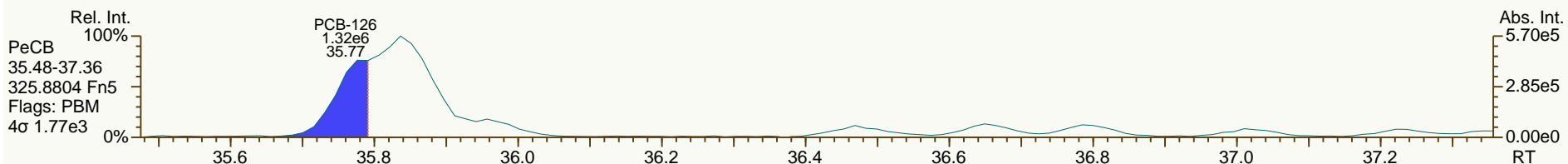
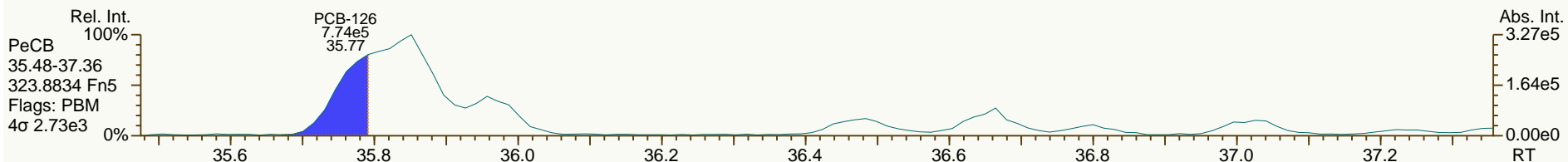








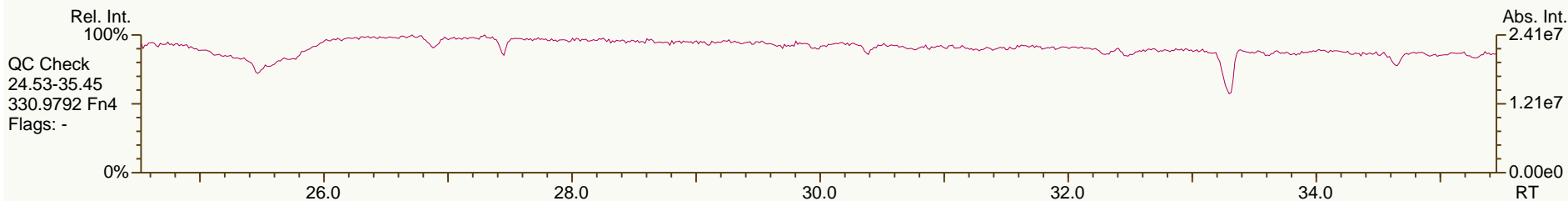
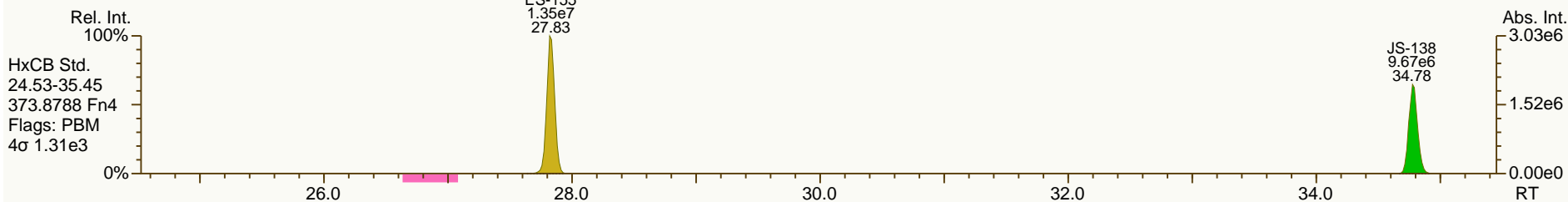
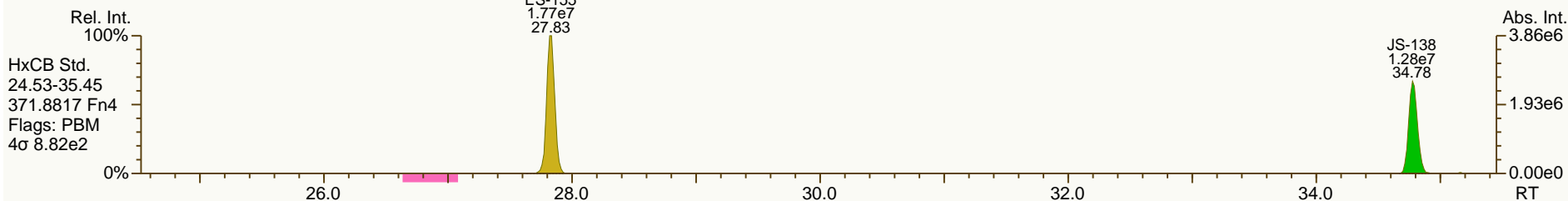
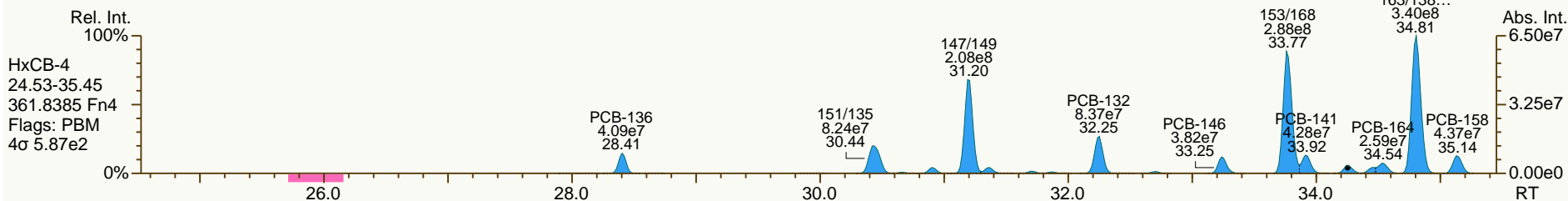
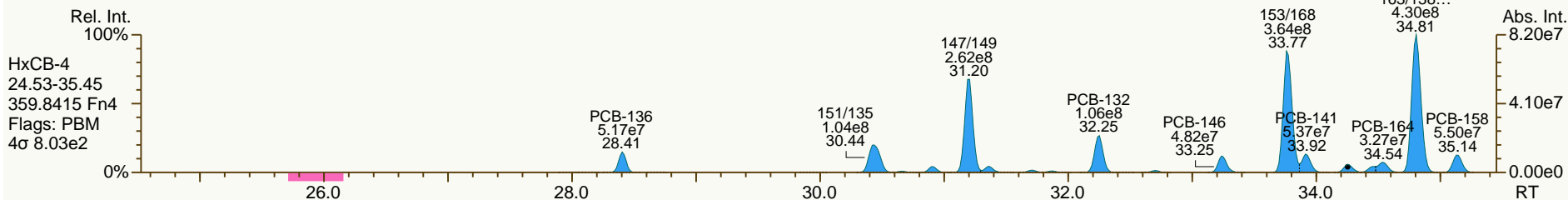


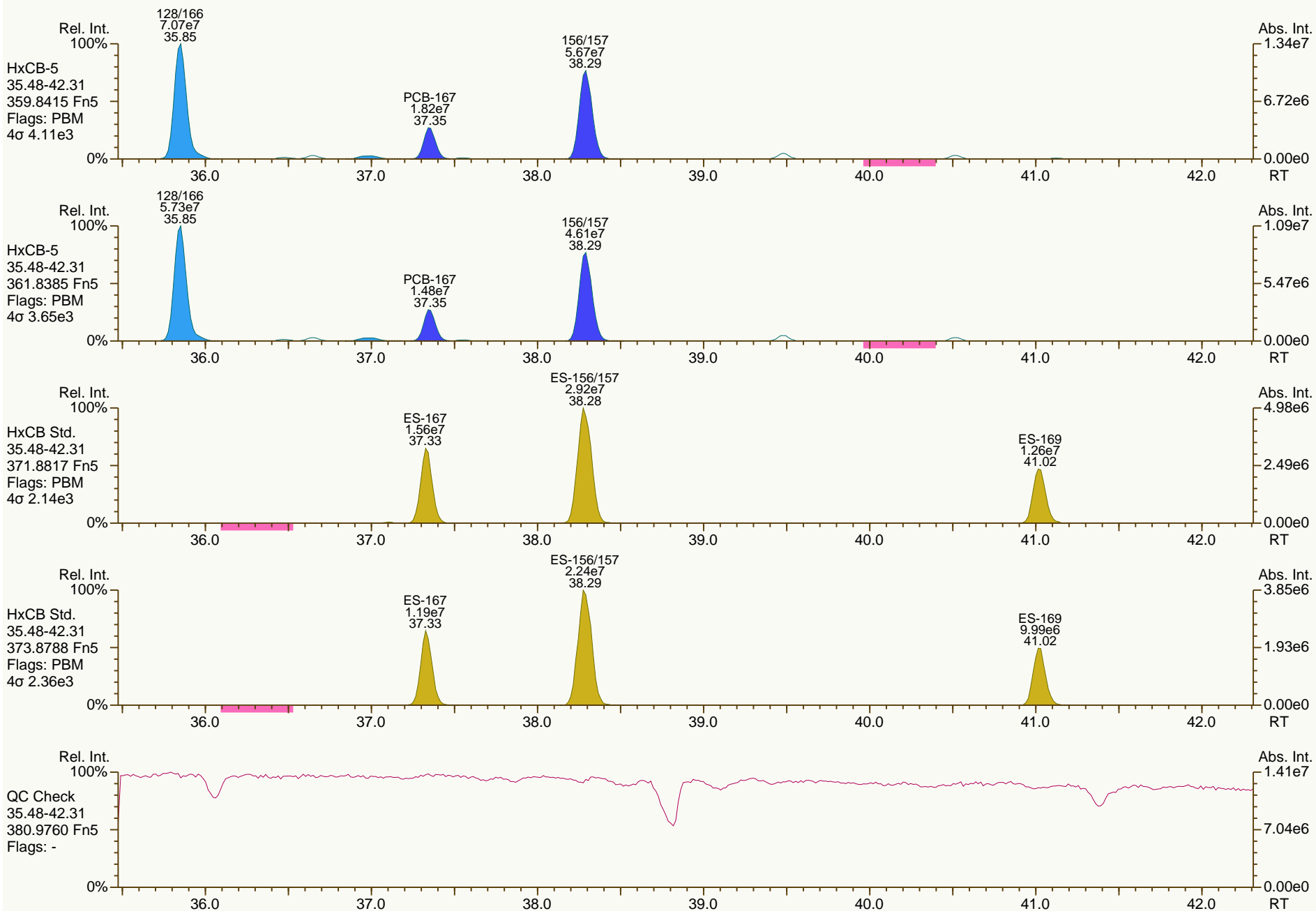


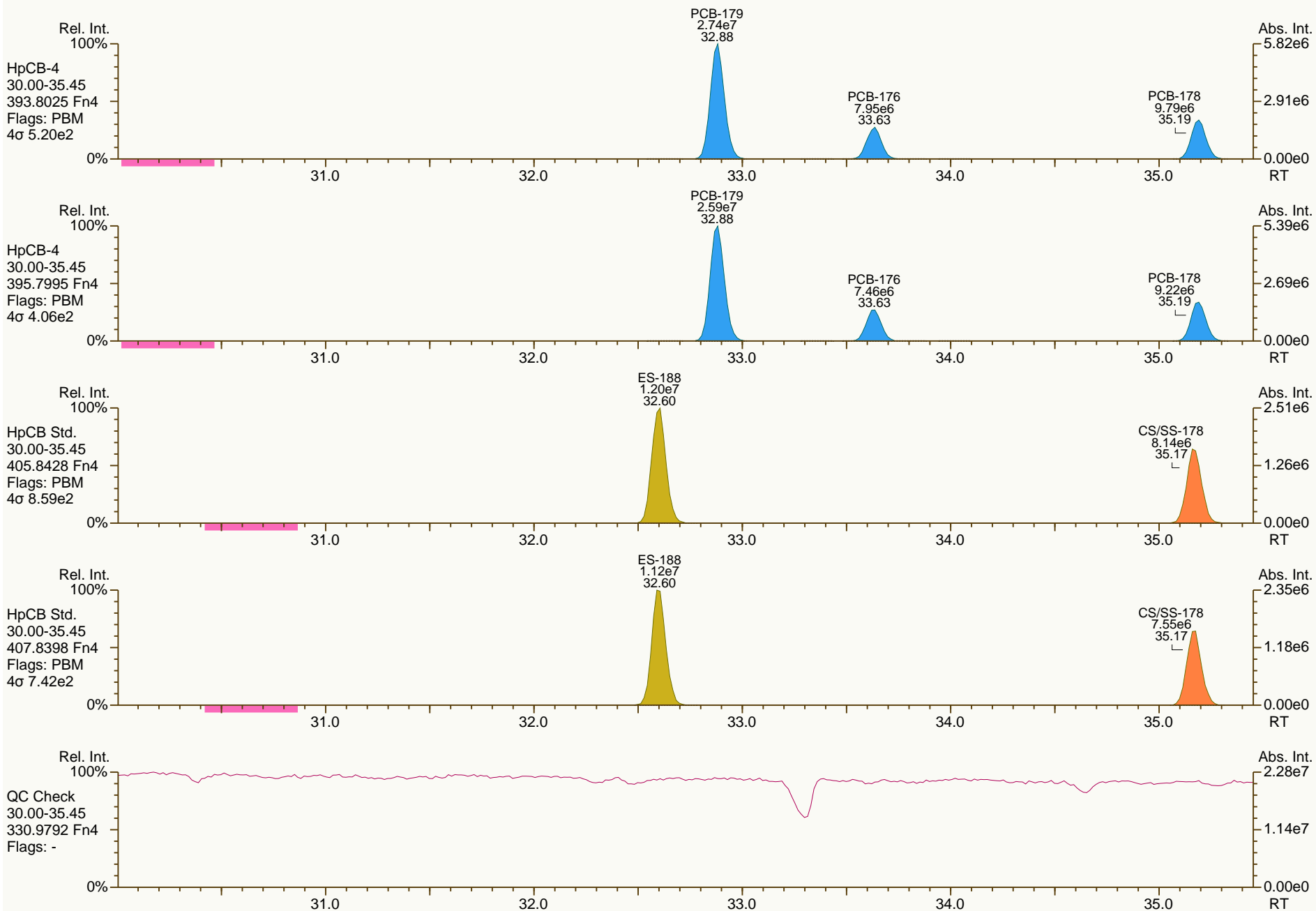
SGS-AP ID: A4723_10237_PCB_004
Instr: AutoSpec-Premier MM7

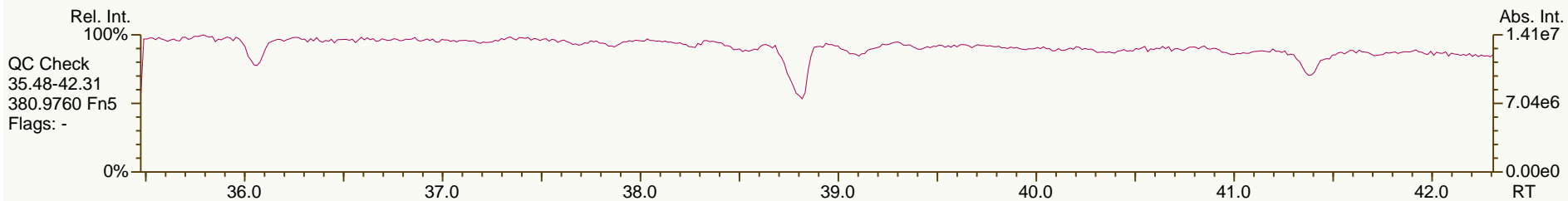
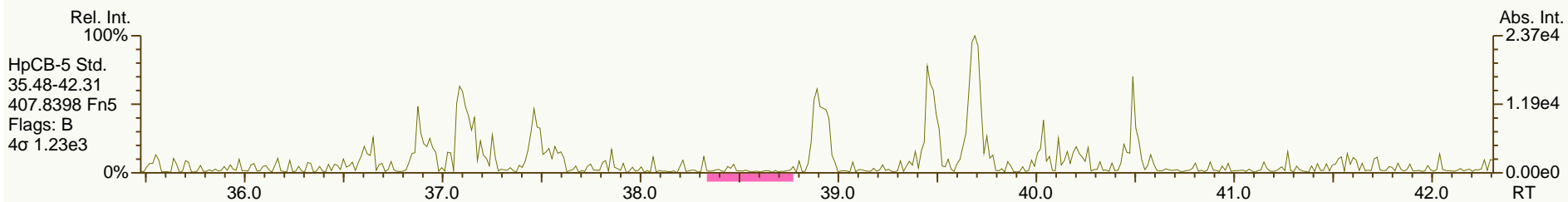
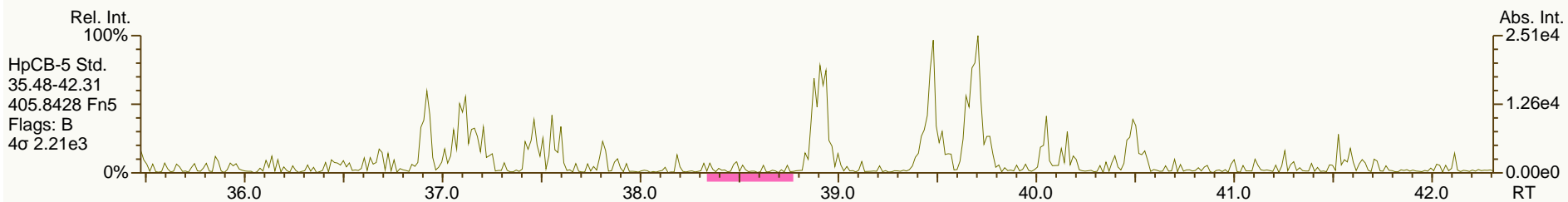
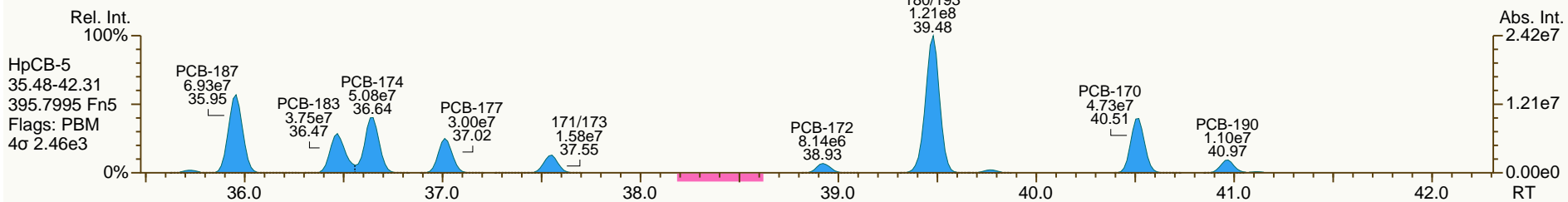
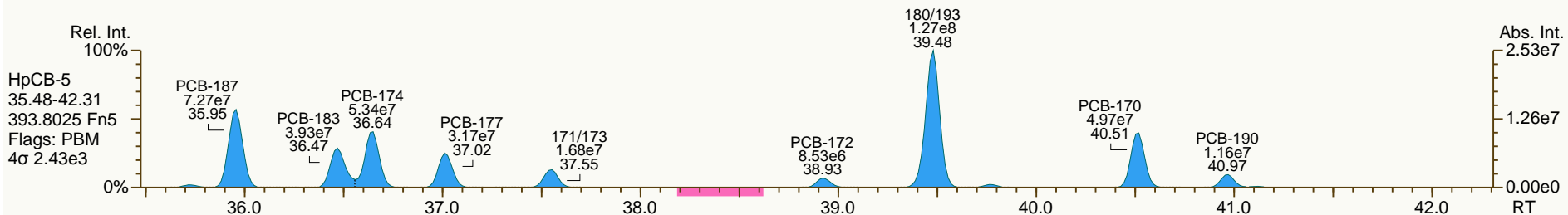
Sample ID: JW-EA09-SS38-120507
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 31

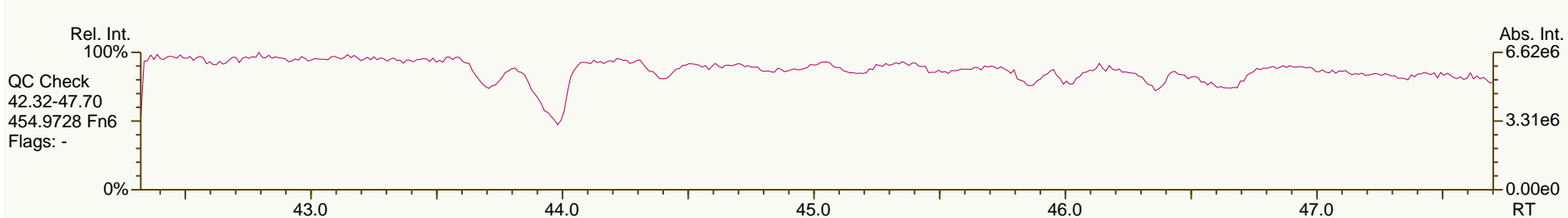
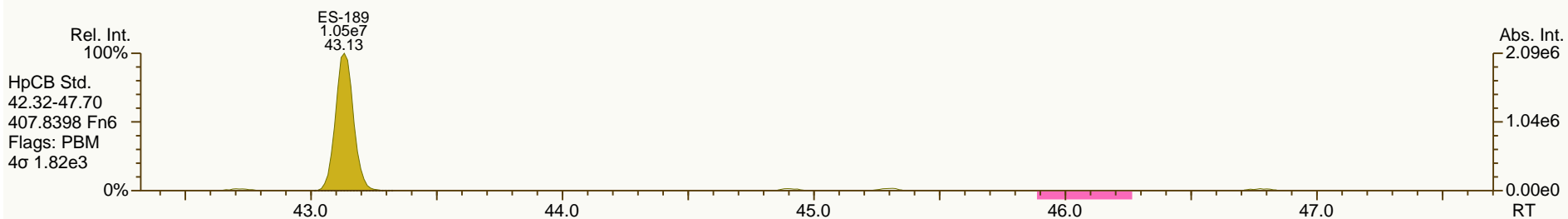
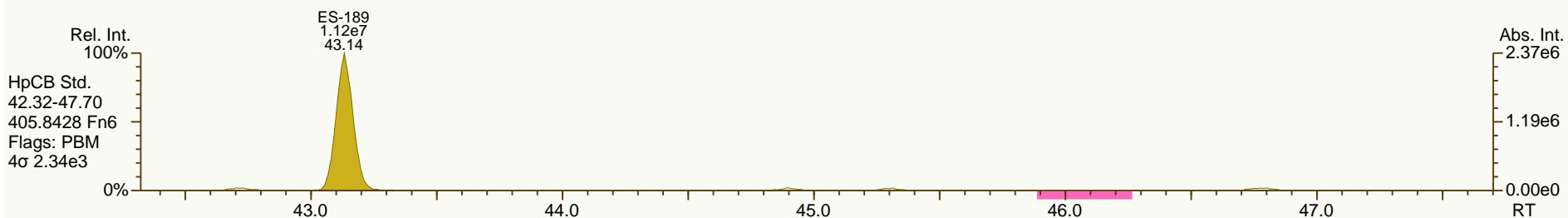
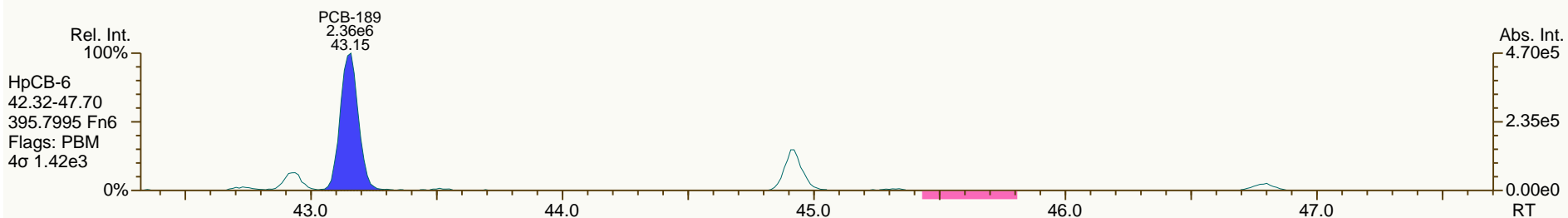
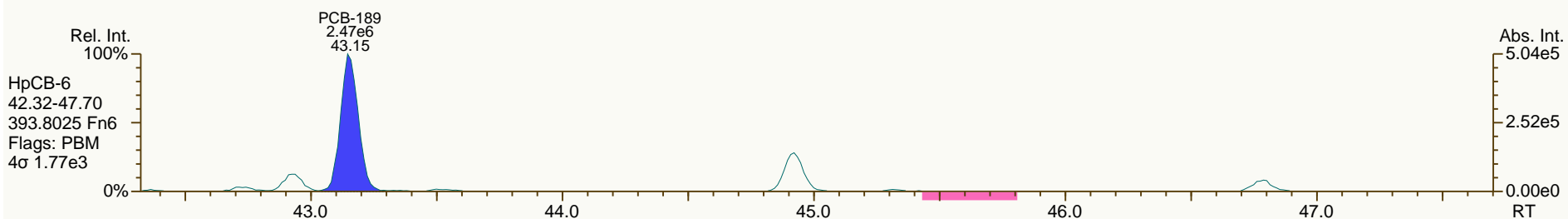
Acq: 24-Oct-2012 23:02:30
User: LKB Datafile: 121024X22

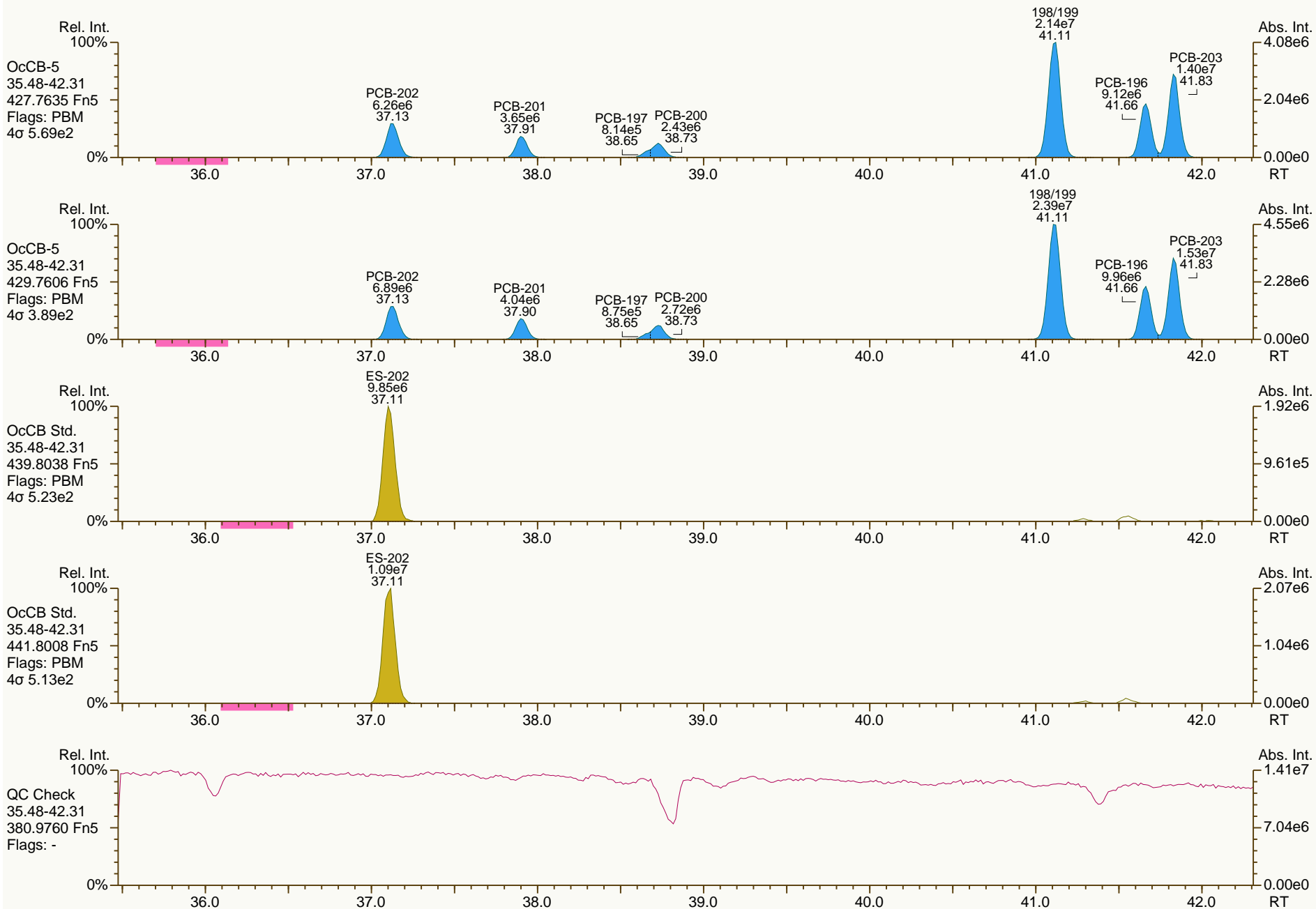


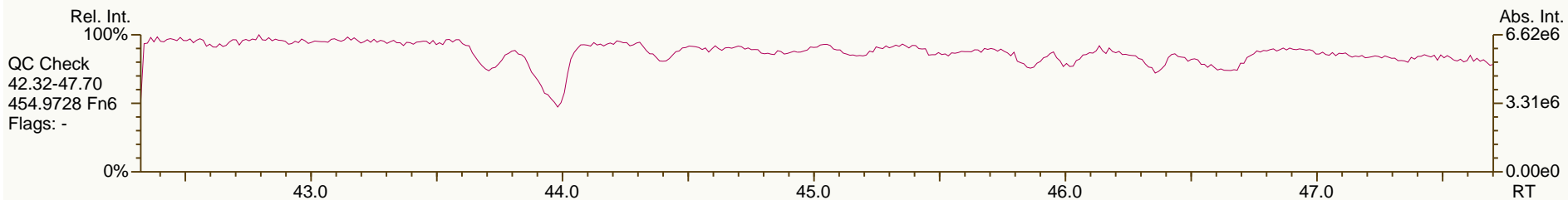
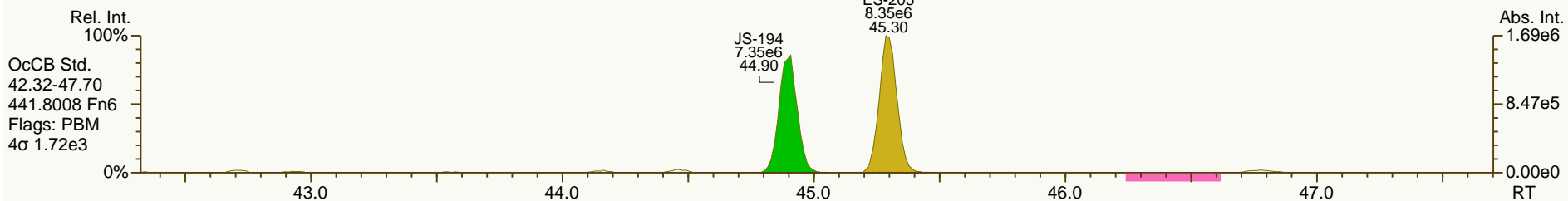
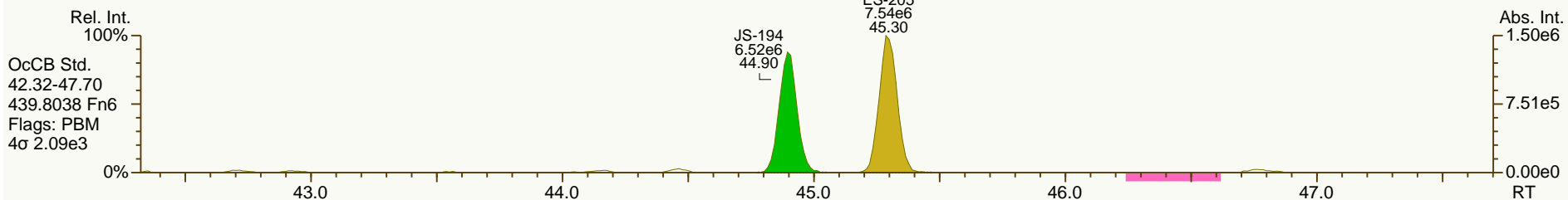
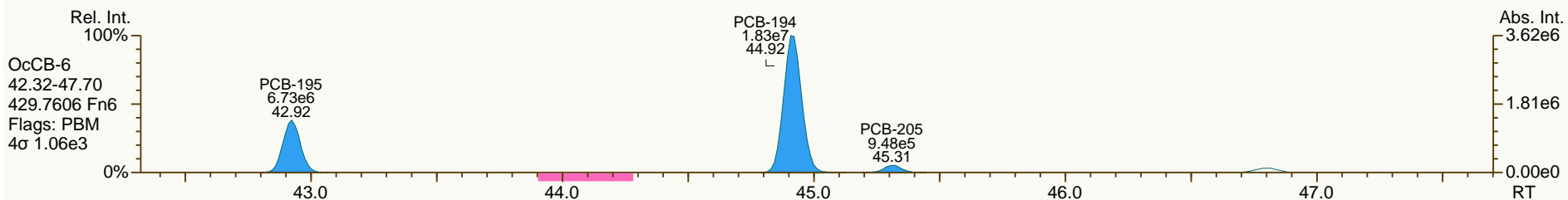
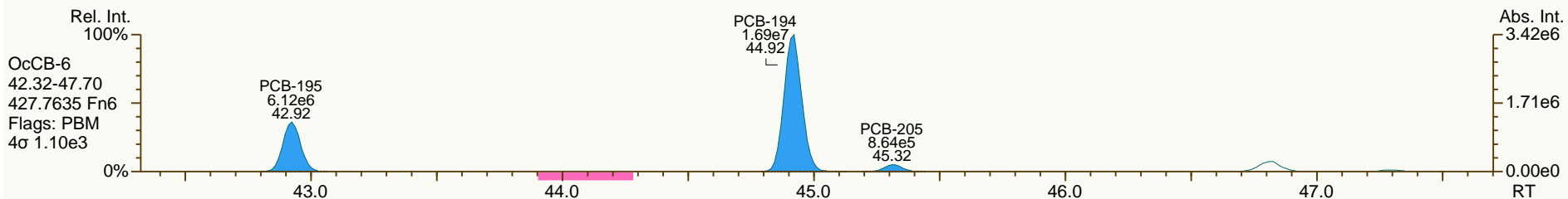


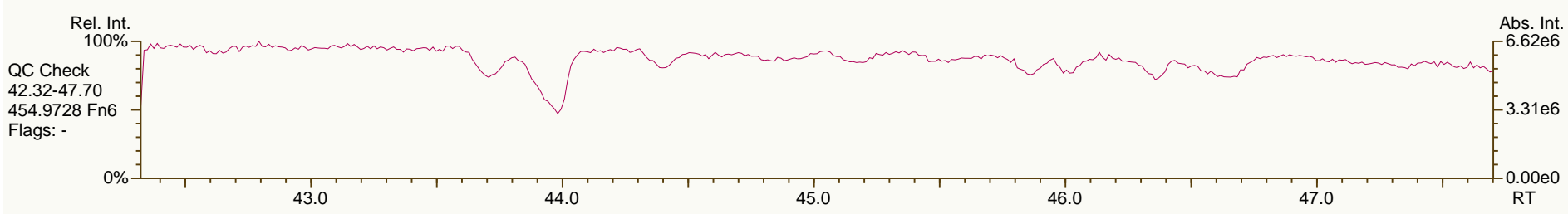
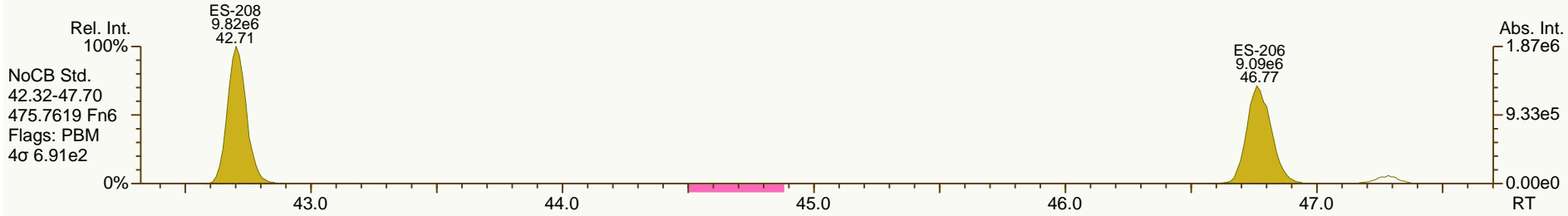
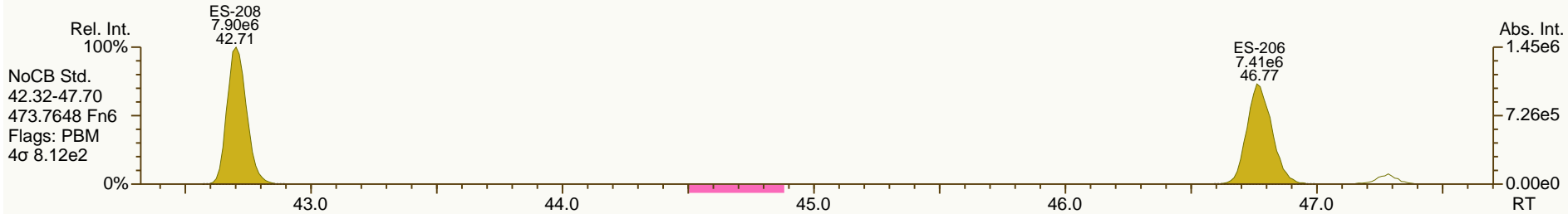
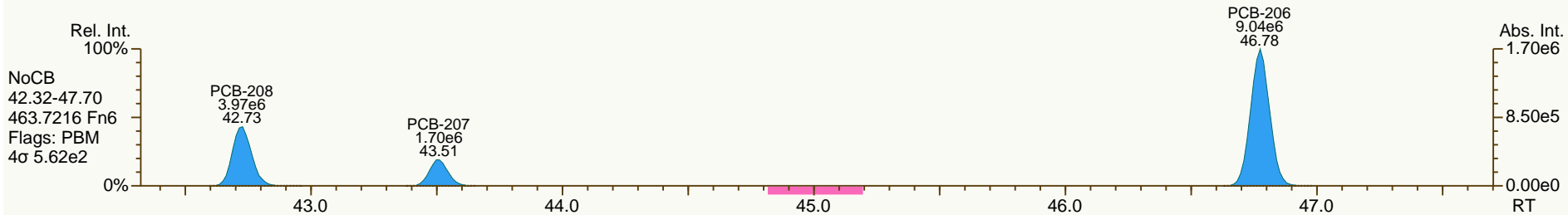
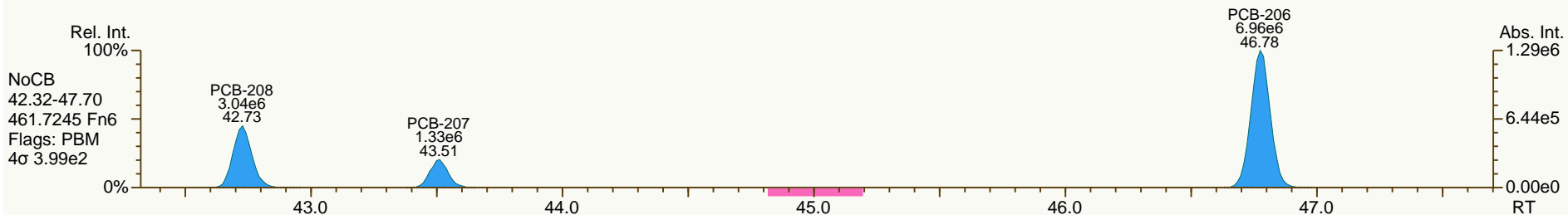


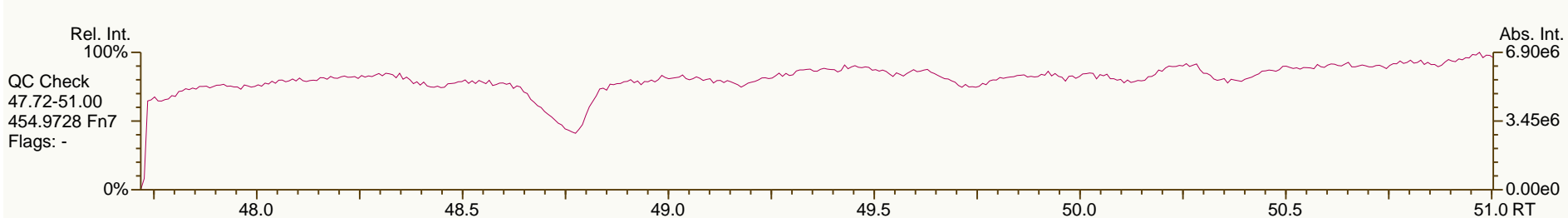
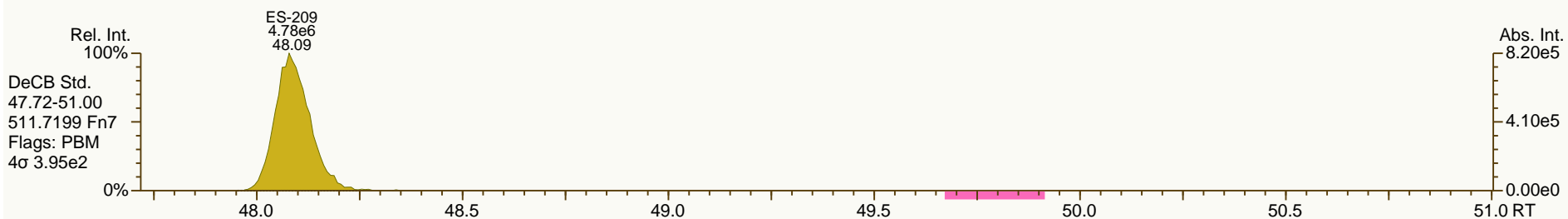
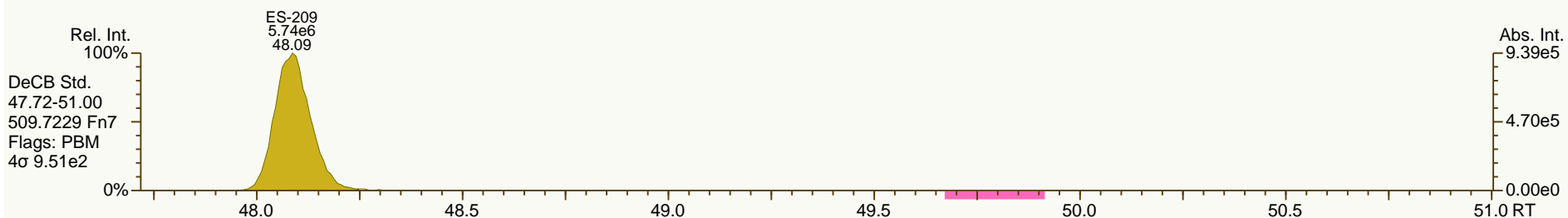
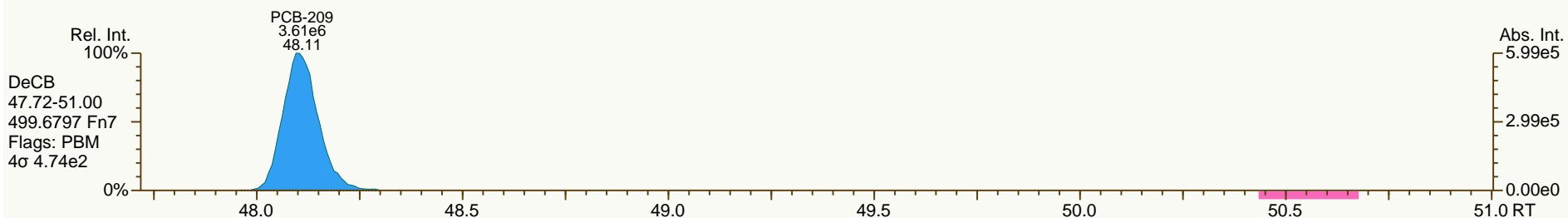
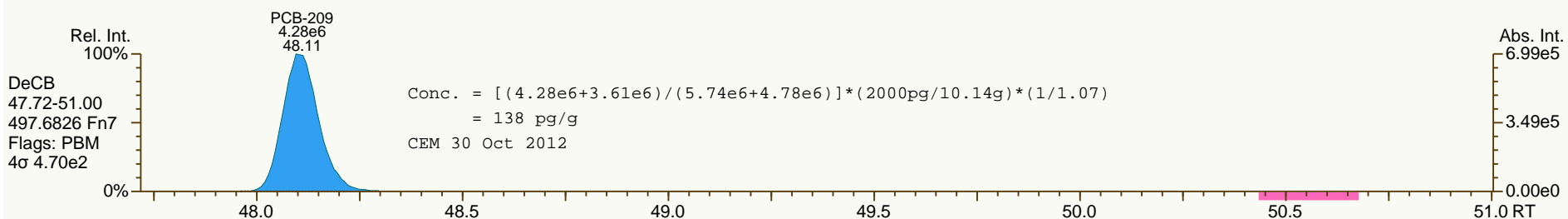












Results of JW-EA10-SS39-120507

Client Sample ID: **JW-EA10-SS39-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251003-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 10:25
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 60.70

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
2,3,7,8-TCDD		0.648		0.0616	0.496	pg/g	27.55	0.66*
1,2,3,7,8-PeCDD	1.52		J	0.0763	2.48	pg/g	33.85	1.53
1,2,3,4,7,8-HxCDD	2.32		J	0.168	2.48	pg/g	38.49	1.29
1,2,3,6,7,8-HxCDD	8.16			0.188	2.48	pg/g	38.62	1.25
1,2,3,7,8,9-HxCDD		4.04		0.179	2.48	pg/g	38.97	1.43*
1,2,3,4,6,7,8-HpCDD	85.7			0.431	2.48	pg/g	42.65	1.04
OCDD	622			0.198	4.96	pg/g	46.40	0.90
2,3,7,8-TCDF	4.51			0.0627	0.496	pg/g	26.55	0.76
2,3,7,8-TCDF [confirm]	4.01			0.790	2.01	pg/g	21.26	0.76
1,2,3,7,8-PeCDF	1.28		J	0.0782	2.48	pg/g	32.11	1.47
2,3,4,7,8-PeCDF	2.28		J	0.0823	2.48	pg/g	33.44	1.51
1,2,3,4,7,8-HxCDF	1.92		J	0.0844	2.48	pg/g	37.33	1.21
1,2,3,6,7,8-HxCDF	1.42		J DPE	0.0703	2.48	pg/g	37.49	1.23
2,3,4,6,7,8-HxCDF	1.82		J	0.0758	2.48	pg/g	38.27	1.25
1,2,3,7,8,9-HxCDF	ND		U	0.115	2.48	pg/g		
1,2,3,4,6,7,8-HpCDF	17.8			0.141	2.48	pg/g	41.38	0.97
1,2,3,4,7,8,9-HpCDF	1.18		J	0.190	2.48	pg/g	43.26	1.01
OCDF	27.3			0.114	4.96	pg/g	46.63	0.89
Total TCDD	209	211		0.0616	0.496	pg/g		
Total TCDF	54.3	56.9		0.0627	0.496	pg/g		
Total PeCDD	106			0.0763	2.48	pg/g		
Total PeCDF	27.8	29.0	DPE	0.0801	2.48	pg/g		
Total HxCDD	111	115		0.178	2.48	pg/g		
Total HxCDF	30.4	31.5	DPE	0.0845	2.48	pg/g		
Total HpCDD	222			0.431	2.48	pg/g		
Total HpCDF	51.9			0.164	2.48	pg/g		

World Health Organization Summary

	<u>Units</u>	<u>ND=0</u>	<u>ND=½</u>	<u>ND=DL</u>
WHO-2005 TEQ	pg/g	5.45	5.49	5.54
WHO-2005 TEQ w/EMPC	pg/g	6.50	6.51	6.51

Results of JW-EA10-SS39-120507

Client Sample ID: **JW-EA10-SS39-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251003-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 10:25
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 60.70

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
13C-2378-TCDF	73.0				24.0-169	%		
13C-2378-TCDD	76.0				25.0-164	%		
13C-12378-PeCDD	69.0				25.0-181	%		
13C-123478-HxCDD	82.0				32.0-141	%		
13C-123678-HxCDD	72.0				28.0-130	%		
13C-1234678-HpCDD	86.0				23.0-140	%		
13C-OCDD	69.0				17.0-157	%		
13C-2378-TCDF	72.0				24.0-169	%		
13C-12378-PeCDF	66.0				24.0-185	%		
13C-23478-PeCDF	61.0				21.0-178	%		
13C-123478-HxCDF	72.0				26.0-152	%		
13C-123678-HxCDF	81.0				26.0-123	%		
13C-234678-HxCDF	80.0				29.0-147	%		
13C-123789-HxCDF	72.0				28.0-136	%		
13C-1234678-HpCDF	68.0				28.0-143	%		
13C-1234789-HpCDF	77.0				26.0-138	%		
37Cl-2378-TCDD	91.0				35.0-197	%		

Batch Information

Analytical Batch: **HRD1905**
 Analytical Method: **EPA 1613B**
 Instrument: **APHRMS**
 Analyst: **MDC**
 Analytical Date/Time: **10/28/2012 14:01**

Prep Batch: **HXX1816**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/16/2012 15:46**
 Prep Initial Wt./Vol.: **16.6 g**
 Prep Extract Vol: **20 uL**

Analytical Batch: **HRD1933**
 Analytical Method: **EPA 1613B**
 Instrument: **HRMS3**
 Analyst: **JHL**
 Analytical Date/Time: **11/13/2012 15:56**

Prep Batch: **HXX1816**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/16/2012 15:46**
 Prep Initial Wt./Vol.: **16.6 g**
 Prep Extract Vol: **20 uL**

Lab ID: A4723_10237_DF_003

Client ID: JW-EA10-SS39-120507

Datafile: 121028P1-07



Acq'd: 28 Oct 2012 14:01 MDC

UTP: 29-Oct-2012 12:25 MDC

Report: 29 Oct 2012 13:42 MC

Wt/Vol: 10.08 g

J-level: 0.496 pg/g Split: 1

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

ICAL: 1613_SGS

Checkcode: 079-876-JHK

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.55		1.0009	1.0008	-0.2	1.06E+05	0.66	N	1.08	0.648	817	0.0616
12378-PeCDD	33.85		1.0006	1.0005	-0.2	1.88E+05	1.53	Y	1.07	1.52	836	0.0763
123478-HxCDD	38.49		1.0004	1.0004	0	2.54E+05	1.29	Y	1.05	2.32	1734	0.168
123678-HxCDD	38.62		1.0039	1.0039	0	8.30E+05	1.25	Y	0.98	8.16	1734	0.188
123789-HxCDD	38.97		1.0129	1.0129	0	4.24E+05	1.43	N	1.01	4.04	1734	0.179
1234678-HpCDD	42.65		1.0005	1.0003	-0.5	8.66E+06	1.04	Y	1.09	85.7	3915	0.431
OCDD	46.40		1.0005	1.0005	0	4.05E+07	0.90	Y	1.11	622	957	0.199

2378-TCDF	26.55		1.0009	1.0008	-0.2	1.06E+06	0.76	Y	0.98	4.51	1142	0.0627
12378-PeCDF	32.11		1.0007	1.0006	-0.2	2.37E+05	1.47	Y	0.99	1.28	1257	0.0783
23478-PeCDF	33.44		1.0006	1.0007	+0.2	3.98E+05	1.51	Y	1.02	2.28	1257	0.0823
123478-HxCDF	37.33		1.0006	1.0005	-0.2	2.82E+05	1.21	Y	1.19	1.92	1195	0.0844
123678-HxCDF	37.49		1.0005	1.0005	0	2.54E+05	1.23	Y	1.16	1.42	1195	0.0703
234678-HxCDF	38.27		1.0006	1.0003	-0.7	3.12E+05	1.25	Y	1.18	1.83	1195	0.0758
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.09	-	1195	0.115
1234678-HpCDF	41.38		1.0004	1.0004	0	2.36E+06	0.97	Y	1.35	17.8	1820	0.141
1234789-HpCDF	43.26		1.0004	1.0002	-0.5	1.35E+05	1.01	Y	1.34	1.18	1820	0.19
OCDF	46.63		1.0057	1.0055	-0.6	2.24E+06	0.89	Y	1.40	27.3	691	0.114

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.53	1.0281	1.0280	-0.2	3.00E+07	0.81	Y	1.04	75.7
ES 12378-PeCDD	33.83	1.2639	1.2634	-0.8	2.28E+07	1.57	Y	0.87	69.1
ES 123478-HxCDD	38.48	0.9876	0.9876	0	2.07E+07	1.27	Y	0.94	82
ES 123678-HxCDD	38.61	0.9910	0.9910	0	2.05E+07	1.30	Y	1.06	71.9
ES 1234678-HpCDD	42.64	1.0943	1.0946	+0.7	1.84E+07	1.06	Y	0.80	85.7
ES OCDD	46.38	1.1907	1.1905	-0.5	2.33E+07	0.90	Y	0.63	68.8

ES 2378-TCDF	26.53	0.9907	0.9908	+0.2	4.77E+07	0.81	Y	1.74	72.1
ES 12378-PeCDF	32.09	1.1992	1.1985	-1.1	3.73E+07	1.58	Y	1.49	65.6
ES 23478-PeCDF	33.41	1.2484	1.2478	-1.0	3.42E+07	1.57	Y	1.48	60.6
ES 123478-HxCDF	37.31	0.9577	0.9577	0	2.46E+07	0.53	Y	1.27	71.8
ES 123678-HxCDF	37.47	0.9619	0.9619	0	3.06E+07	0.52	Y	1.41	80.7
ES 234678-HxCDF	38.26	0.9821	0.9821	0	2.89E+07	0.52	Y	1.34	79.8
ES 123789-HxCDF	39.38	1.0108	1.0110	+0.5	2.35E+07	0.52	Y	1.20	72.4
ES 1234678-HpCDF	41.36	1.0618	1.0618	0	1.95E+07	0.44	Y	1.06	68.5
ES 1234789-HpCDF	43.25	1.1100	1.1102	+0.5	1.70E+07	0.44	Y	0.82	77.1

Lab ID: A4723_10237_DF_003

Acq'd: 28 Oct 2012 14:01 MDC

Wt/Vol: 10.08 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS39-120507

UTP: 29-Oct-2012 12:25 MDC

J-level: 0.496 pg/g Split: 1

Checkcode: 079-876-JHK

Datafile: 121028P1-07

Report: 29 Oct 2012 13:42 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37Cl)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.78		-	-	-	3.81E+07	0.79	Y	-	-
JS 123789-HxCDD	38.96		-	-	-	2.69E+07	1.28	Y	-	-
CS 37Cl-2378-TCDD	27.55		1.0291	1.0289	-0.3	8.12E+06	n/a	-	1.17	91
SS 37Cl-2378-TCDD	27.55	NA	1.0291	1.0289	-0.3	8.12E+06	n/a	-	1.12	120

Totals	Conc	EMPC	EDL
Total TCDD	209	211	0.0616
Total PeCDD	106	106	0.0763
Total HxCDD	111	115	0.178
Total HpCDD	222	222	0.431
Total Tetra-Octa Dioxins	1270	1280	
Total TCDF	54.4	56.9	0.0627
Total PeCDF	27.8	29	0.0802
Total HxCDF	30.4	31.5	0.0845
Total HpCDF	51.9	51.9	0.164
Total Tetra-Octa Furans	192	197	
Total Tetra-Octa Dioxins & Furans	1460	1470	

Lab ID: A4723_10237_DF_003

Acq'd: 28 Oct 2012 14:01 MDC

Wt/Vol: 10.08 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS39-120507

UTP: 29-Oct-2012 12:25 MDC

J-level: 0.496 pg/g Split: 1

Checkcode: 079-876-JHK

Datafile: 121028P1-07

Report: 29 Oct 2012 13:42 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
TCDD	23.43		0.8504	0.8511	+1.2	1.66E+07	0.78	Y	1.08	102	817	0.0616
TCDD	23.83		0.8649	0.8657	+1.3	1.27E+07	0.78	Y	1.08	77.3	817	0.0616
TCDD	24.31		0.8835	0.8830	-0.8	1.67E+05	0.81	Y	1.08	1.02	817	0.0616
TCDD	25.18		0.9152	0.9148	-0.7	4.34E+05	0.79	Y	1.08	2.65	817	0.0616
TCDD	25.45		0.9241	0.9245	+0.7	5.12E+05	0.83	Y	1.08	3.12	817	0.0616
TCDD	25.67		0.9327	0.9327	0	7.82E+05	0.75	Y	1.08	4.77	817	0.0616
TCDD	25.89		0.9408	0.9407	-0.2	1.54E+05	0.75	Y	1.08	0.939	817	0.0616
TCDD	26.17		0.9512	0.9508	-0.7	3.71E+04	1.08	N	1.08	0.226	817	0.0616
TCDD	26.37		0.9580	0.9579	-0.2	1.53E+05	0.91	N	1.08	0.933	817	0.0616
TCDD	26.80		0.9736	0.9737	+0.2	1.85E+06	0.78	Y	1.08	11.3	817	0.0616
TCDD	26.93		0.9785	0.9784	-0.2	7.71E+04	0.86	Y	1.08	0.471	817	0.0616
TCDD	27.23		0.9884	0.9891	+1.2	8.59E+05	0.77	Y	1.08	5.24	817	0.0616
TCDD	27.38		0.9945	0.9948	+0.5	6.36E+04	0.77	Y	1.08	0.388	817	0.0616
2378-TCDD	27.55		1.0009	1.0008	-0.2	1.06E+05	0.66	N	1.08	0.648	817	0.0616
TCDD	27.93		1.0147	1.0147	0	8.91E+04	0.75	Y	1.08	0.544	817	0.0616
TCDD	NotFnd		1.0206						1.08		817	0.0616
TCDD	NotFnd		1.0423						1.08		817	0.0616
PeCDD	30.88		0.9131	0.9129	-0.4	3.73E+06	1.58	Y	1.07	30.2	836	0.0763
PeCDD	31.52		0.9319	0.9316	-0.6	1.11E+05	1.57	Y	1.07	0.902	836	0.0763
PeCDD	32.17		0.9511	0.9509	-0.4	4.19E+06	1.59	Y	1.07	33.9	836	0.0763
PeCDD	32.38		0.9576	0.9571	-1.0	2.11E+05	1.65	Y	1.07	1.71	836	0.0763
PeCDD	32.51		0.9611	0.9610	-0.2	3.04E+06	1.50	Y	1.07	24.6	836	0.0763
PeCDD	32.81		0.9703	0.9698	-1.0	2.34E+05	1.44	Y	1.07	1.89	836	0.0763
PeCDD	33.25		0.9829	0.9830	+0.2	1.28E+06	1.61	Y	1.07	10.4	836	0.0763
12378-PeCDD	33.85		1.0006	1.0005	-0.2	1.88E+05	1.53	Y	1.07	1.52	836	0.0763
PeCDD	33.97		1.0039	1.0040	+0.2	7.29E+04	1.52	Y	1.07	0.59	836	0.0763
PeCDD	34.38		1.0161	1.0163	+0.4	6.90E+04	1.33	Y	1.07	0.559	836	0.0763
HxCDD	36.47		0.9479	0.9477	-0.5	1.96E+06	1.22	Y	1.01	18.6	1734	0.178
HxCDD	37.24		0.9682	0.9680	-0.5	4.88E+06	1.26	Y	1.01	46.3	1734	0.178
HxCDD	37.59		0.9771	0.9771	0	3.27E+06	1.26	Y	1.01	31.1	1734	0.178
HxCDD	37.73		0.9811	0.9806	-1.2	2.90E+05	1.33	Y	1.01	2.75	1734	0.178
123478-HxCDD	38.49		1.0004	1.0004	0	2.54E+05	1.29	Y	1.05	2.32	1734	0.168
123678-HxCDD	38.62		1.0039	1.0039	0	8.30E+05	1.25	Y	0.98	8.16	1734	0.188
HxCDD	38.84		1.0097	1.0095	-0.5	1.75E+05	1.24	Y	1.01	1.66	1734	0.178
123789-HxCDD	38.97		1.0129	1.0129	0	4.24E+05	1.43	N	1.01	4.04	1734	0.179

Lab ID: A4723_10237_DF_003

Acq'd: 28 Oct 2012 14:01 MDC

Wt/Vol: 10.08 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS39-120507

UTP: 29-Oct-2012 12:25 MDC

J-level: 0.496 pg/g Split: 1

Checkcode: 079-876-JHK

Datafile: 121028P1-07

Report: 29 Oct 2012 13:42 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
HpCDD	41.75		0.9793	0.9791	-0.5	1.37E+07	1.05	Y	1.09	136	3915	0.431
1234678-HpCDD	42.65		1.0005	1.0003	-0.5	8.66E+06	1.04	Y	1.09	85.7	3915	0.431
OCDD	46.40		1.0005	1.0005	0	4.05E+07	0.90	Y	1.11	622	957	0.199
OCDD-a	46.39		1.0001	1.0003	+0.6	2.28E+06	2.46	Y	1.00	38.8	1259	0.289
TCDF	21.22		0.7983	0.7998	+2.4	5.94E+05	0.86	Y	0.98	2.53	1142	0.0627
TCDF	21.78		0.8218	0.8209	-1.4	3.51E+05	0.78	Y	0.98	1.5	1142	0.0627
TCDF	22.44		0.8463	0.8457	-1.0	9.28E+05	0.78	Y	0.98	3.96	1142	0.0627
TCDF	22.88		0.8625	0.8622	-0.5	3.44E+05	0.65	N	0.98	1.47	1142	0.0627
TCDF	23.01		0.8677	0.8674	-0.5	1.52E+06	0.76	Y	0.98	6.5	1142	0.0627
TCDF	23.28		0.8787	0.8774	-2.1	1.95E+05	0.75	Y	0.98	0.832	1142	0.0627
TCDF	23.42		0.8840	0.8828	-1.9	1.05E+06	0.81	Y	0.98	4.49	1142	0.0627
TCDF	23.86		0.8998	0.8992	-1.0	6.31E+05	0.77	Y	0.98	2.69	1142	0.0627
TCDF	24.00		0.9054	0.9046	-1.3	2.95E+05	0.75	Y	0.98	1.26	1142	0.0627
TCDF	24.20		0.9125	0.9120	-0.8	5.91E+05	0.77	Y	0.98	2.52	1142	0.0627
TCDF	24.60		0.9279	0.9273	-1.0	3.11E+05	0.81	Y	0.98	1.33	1142	0.0627
TCDF	24.75		0.9334	0.9330	-0.6	4.44E+05	0.82	Y	0.98	1.9	1142	0.0627
TCDF	24.93		0.9381	0.9395	+2.2	8.14E+05	0.76	Y	0.98	3.47	1142	0.0627
TCDF	25.04		0.9439	0.9438	-0.2	7.67E+05	0.78	Y	0.98	3.27	1142	0.0627
TCDF	25.55		0.9630	0.9630	0	9.01E+05	0.77	Y	0.98	3.84	1142	0.0627
TCDF	25.67		0.9674	0.9674	0	8.67E+04	0.80	Y	0.98	0.369	1142	0.0627
TCDF	25.85		0.9746	0.9745	-0.2	3.68E+05	0.72	Y	0.98	1.57	1142	0.0627
TCDF	26.07		0.9829	0.9826	-0.5	2.39E+05	0.76	Y	0.98	1.02	1142	0.0627
TCDF	26.31		0.9916	0.9915	-0.2	3.60E+05	0.76	Y	0.98	1.54	1142	0.0627
TCDF	26.43		0.9963	0.9960	-0.5	2.46E+05	0.69	Y	0.98	1.05	1142	0.0627
2378-TCDF	26.55		1.0009	1.0008	-0.2	1.06E+06	0.76	Y	0.98	4.51	1142	0.0627
TCDF	26.97		1.0166	1.0167	+0.2	9.90E+05	0.75	Y	0.98	4.22	1142	0.0627
TCDF	27.25		1.0274	1.0271	-0.5	6.66E+04	0.98	N	0.98	0.284	1142	0.0627
TCDF	27.55		1.0390	1.0386	-0.6	4.15E+04	0.61	N	0.98	0.177	1142	0.0627
TCDF	28.86		1.0886	1.0878	-1.3	1.41E+05	0.93	N	0.98	0.6	1142	0.0627
PeCDF	28.85		0.8975	0.8988	+2.5	1.78E+06	1.64	Y	1.00	9.88	1325	0.0845
PeCDF	30.62		0.9542	0.9542	0	4.34E+05	1.44	Y	1.00	2.41	1257	0.0802
PeCDF	30.81		0.9587	0.9599	+2.3	9.67E+05	1.44	Y	1.00	5.36	1257	0.0802
PeCDF	30.92		0.9636	0.9633	-0.6	1.57E+05	1.44	Y	1.00	0.872	1257	0.0802
PeCDF	31.03		0.9671	0.9667	-0.8	5.55E+04	1.70	Y	1.00	0.307	1257	0.0802
PeCDF	31.31		0.9760	0.9755	-1.0	8.03E+04	1.59	Y	1.00	0.445	1257	0.0802
PeCDF	31.47		0.9810	0.9807	-0.6	3.42E+04	1.05	N	1.00	0.189	1257	0.0802

Lab ID: A4723_10237_DF_003

Acq'd: 28 Oct 2012 14:01 MDC

Wt/Vol: 10.08 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS39-120507

UTP: 29-Oct-2012 12:25 MDC

J-level: 0.496 pg/g Split: 1

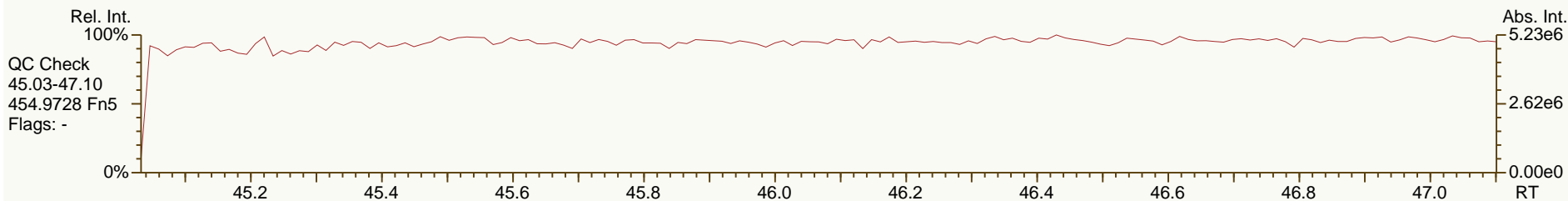
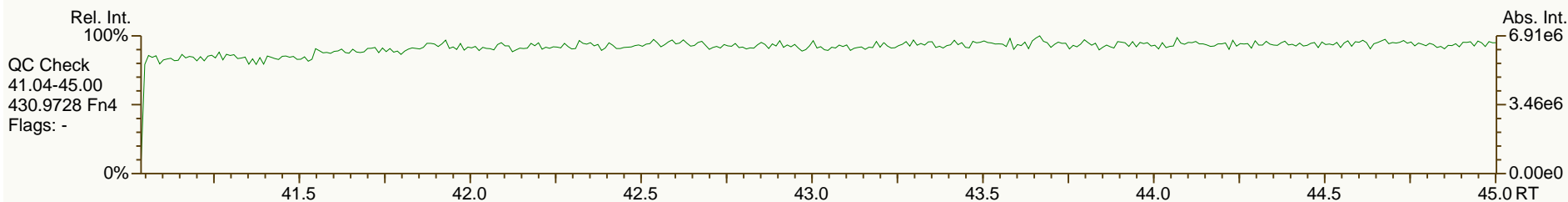
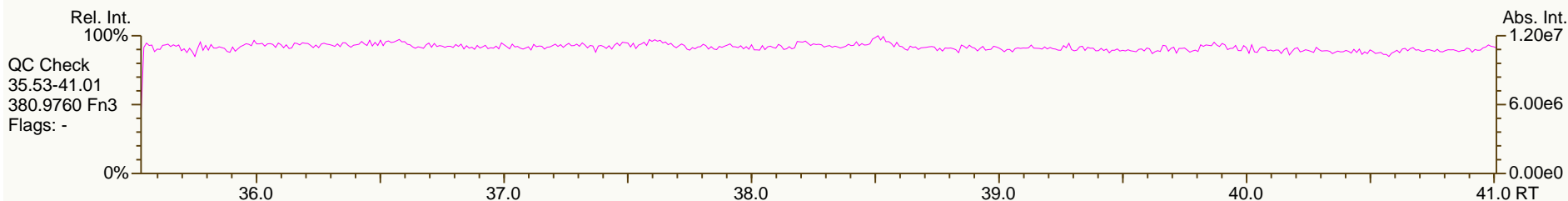
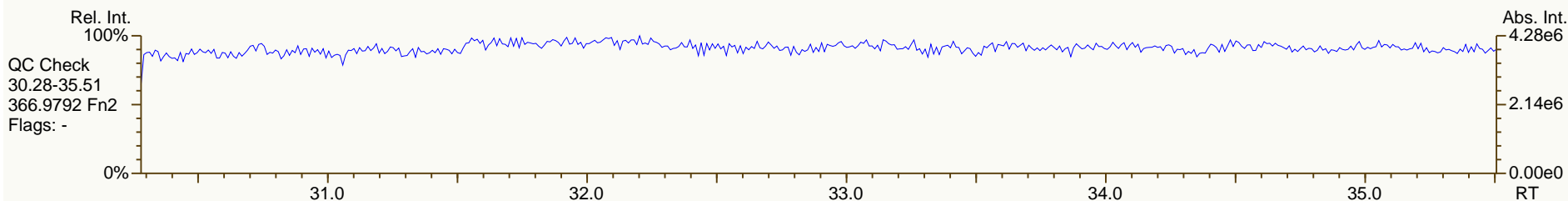
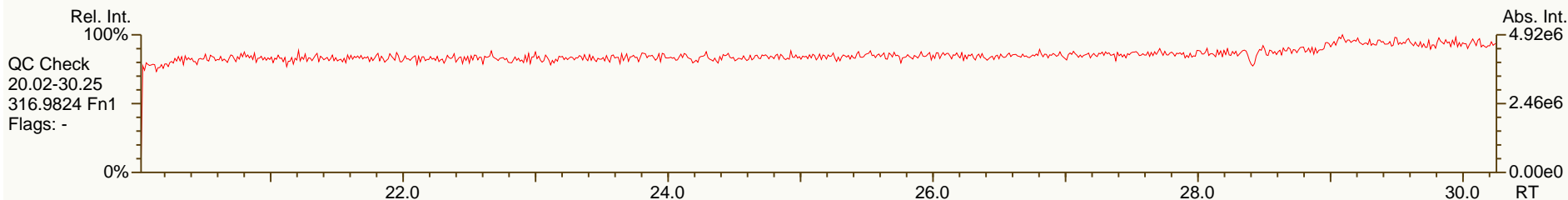
Checkcode: 079-876-JHK

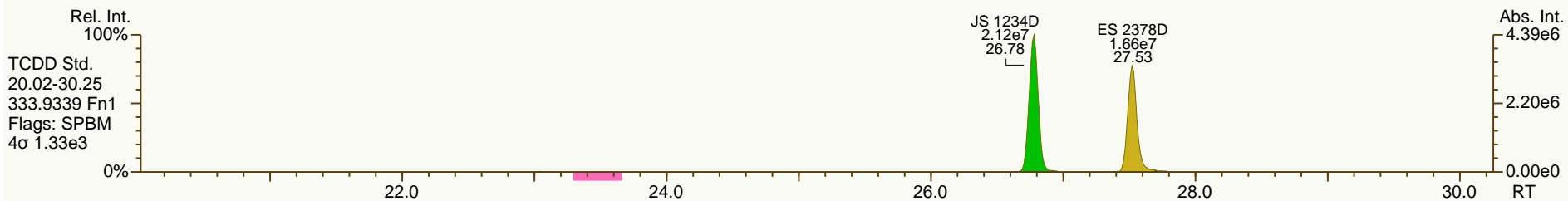
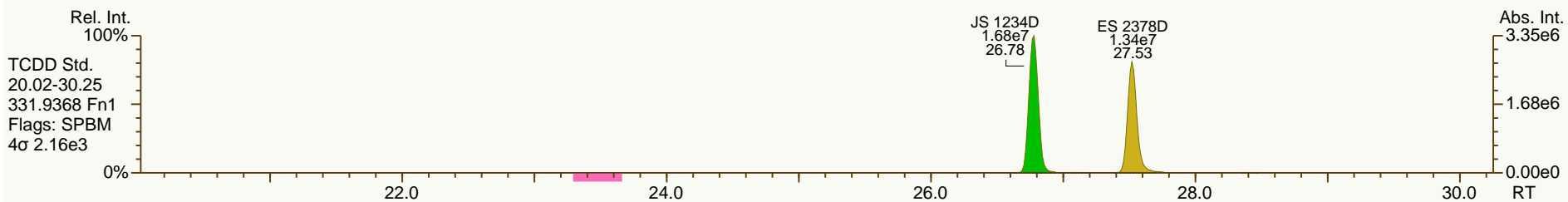
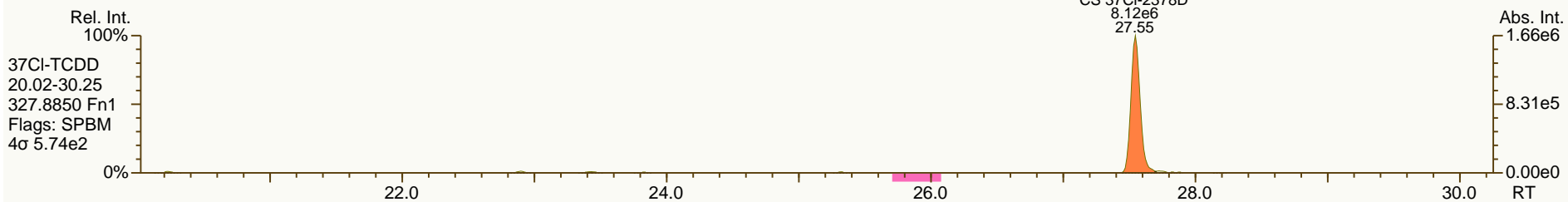
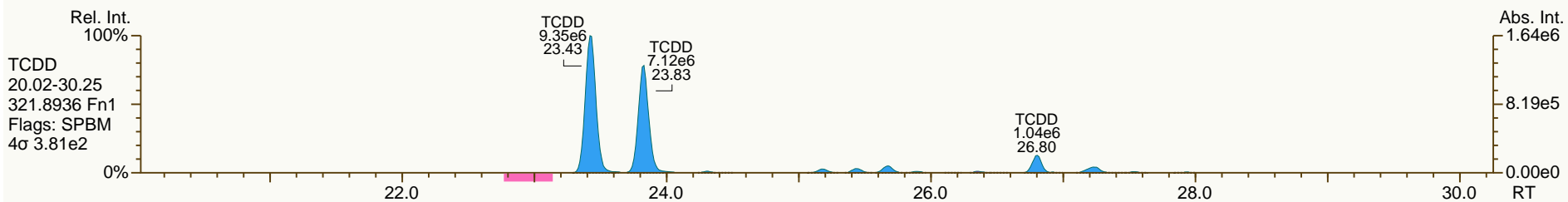
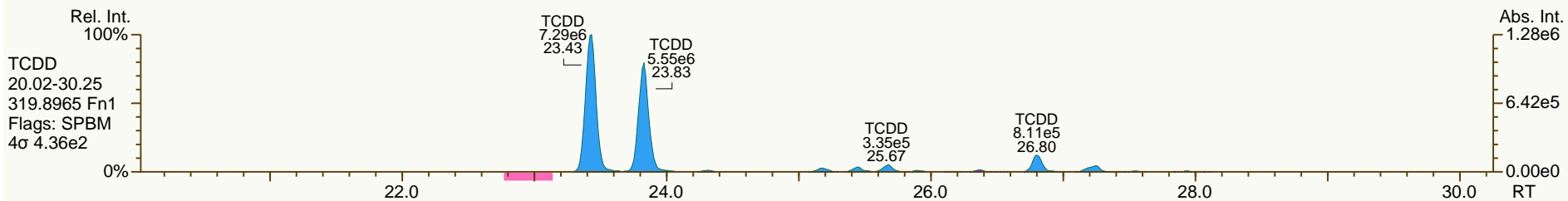
Datafile: 121028P1-07

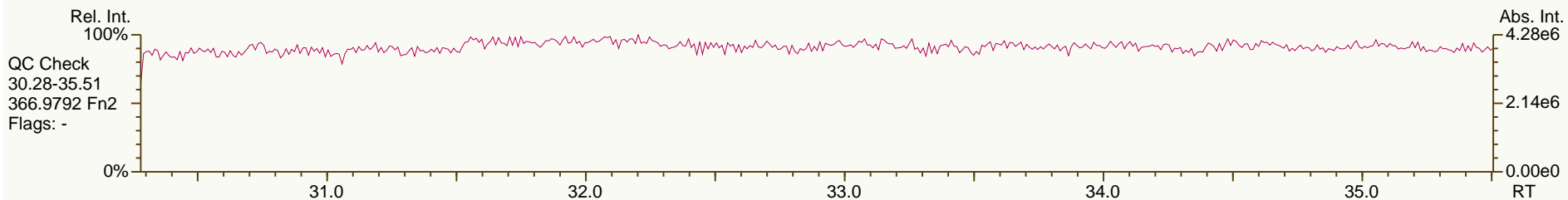
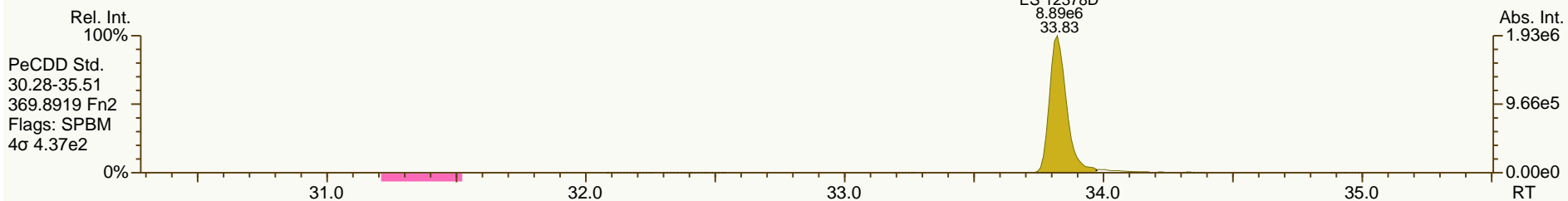
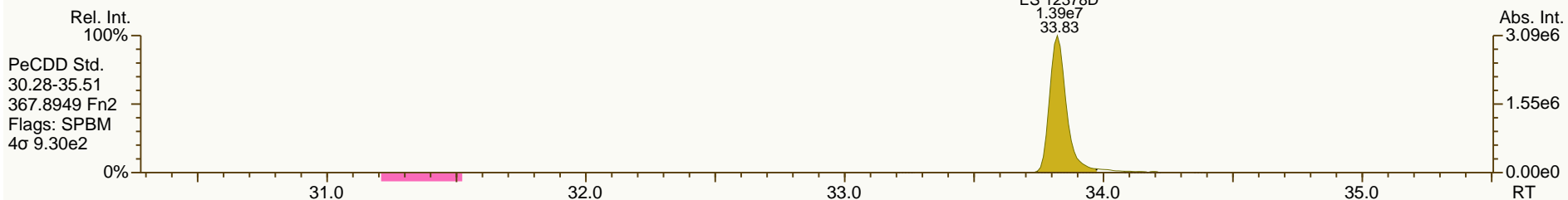
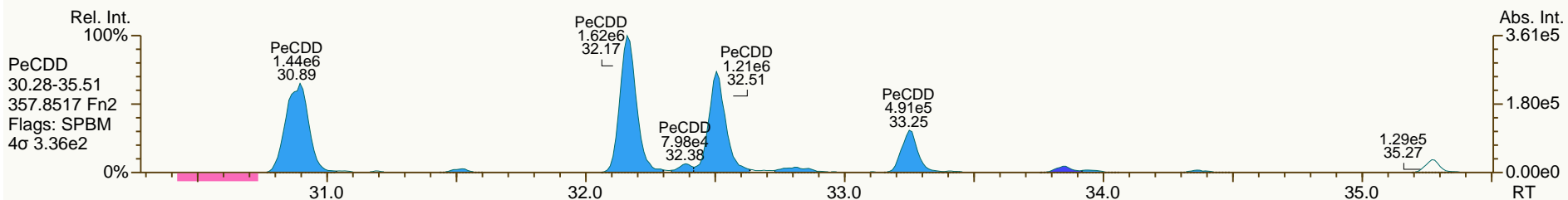
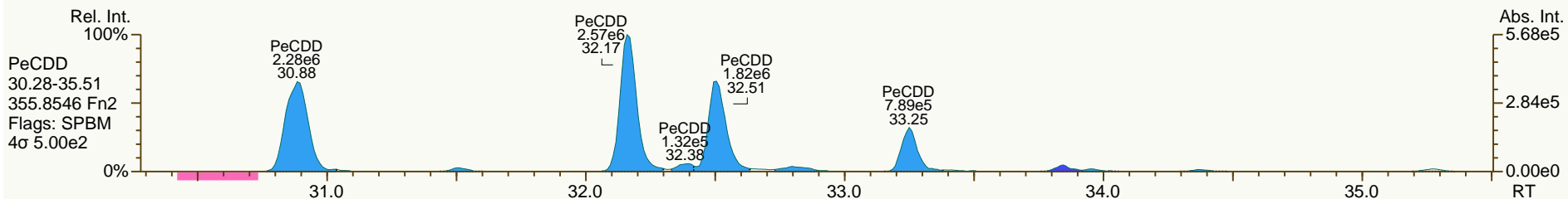
Report: 29 Oct 2012 13:42 MC

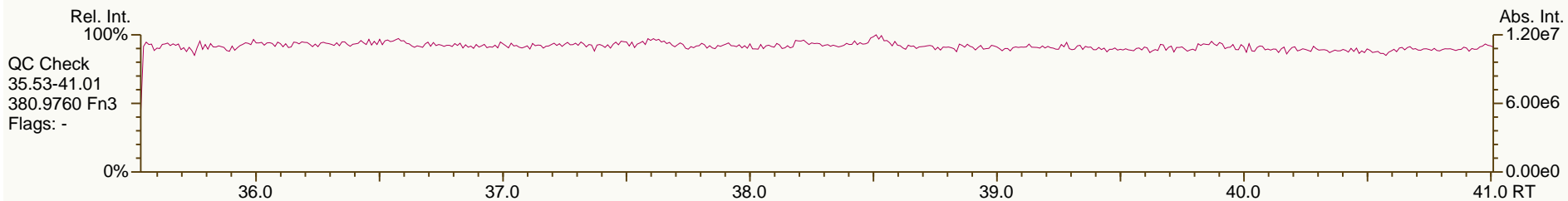
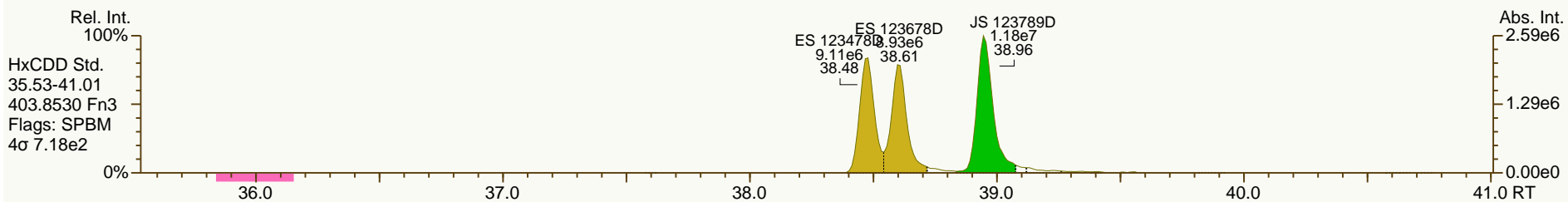
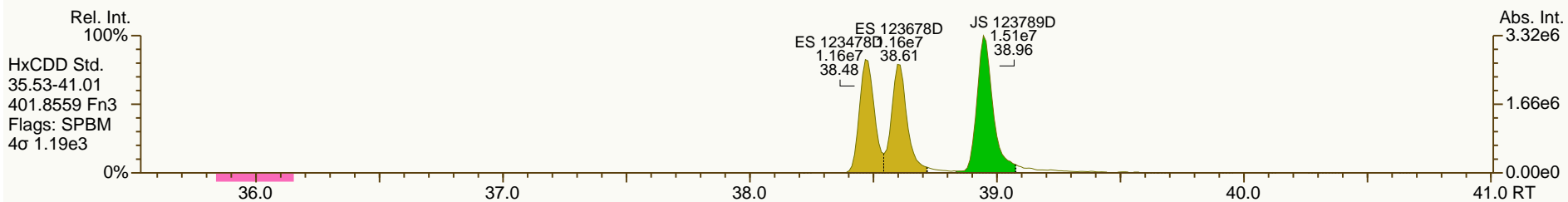
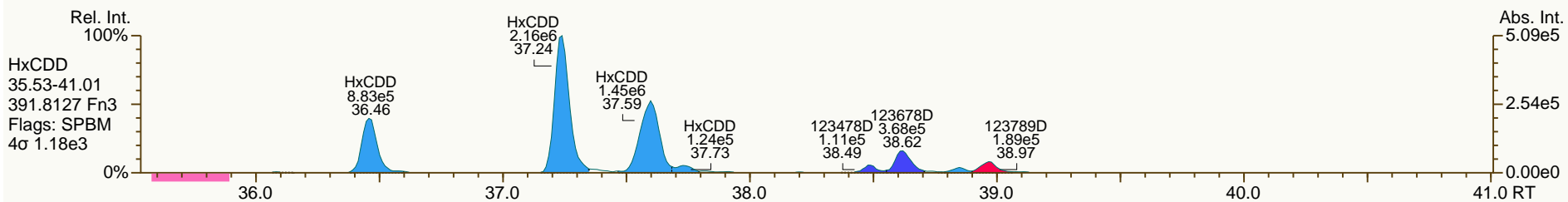
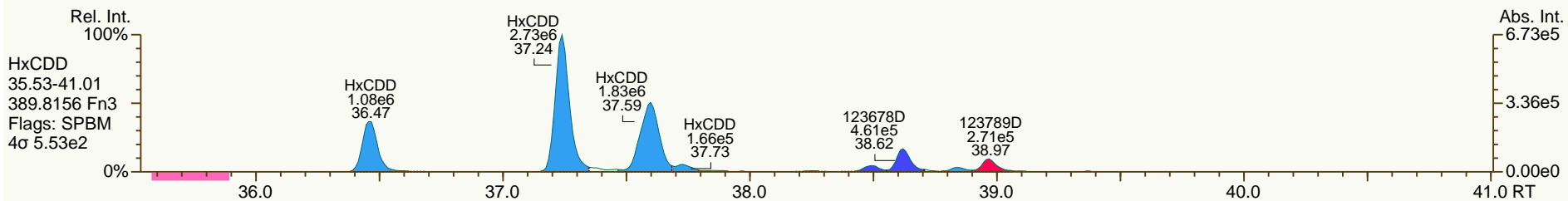
Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

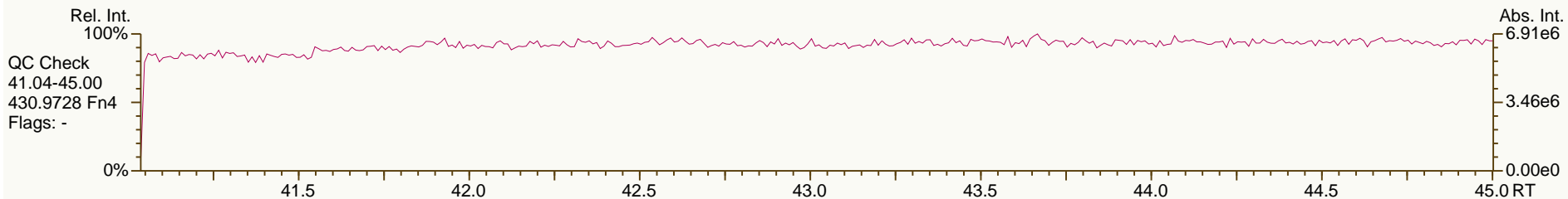
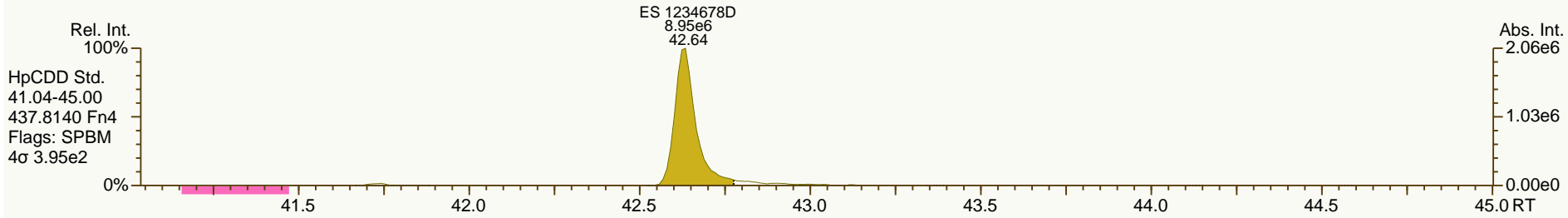
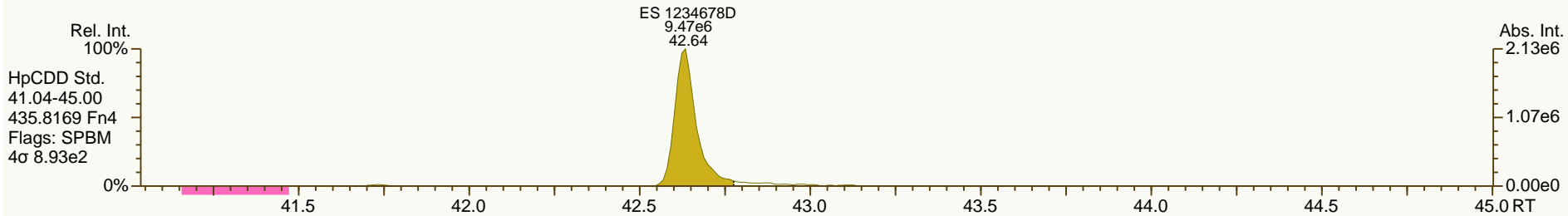
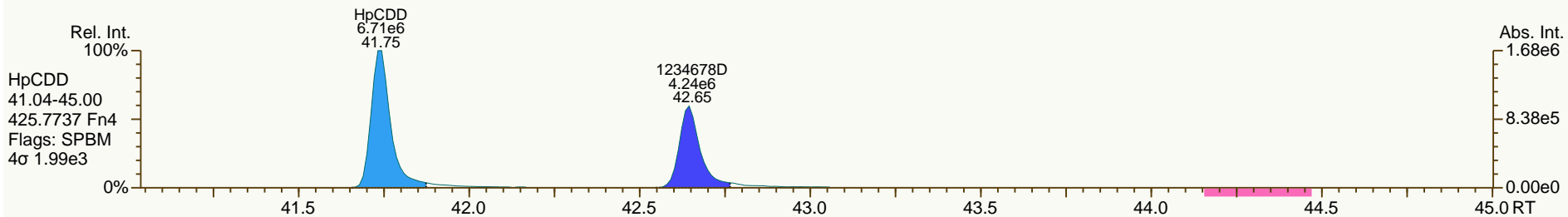
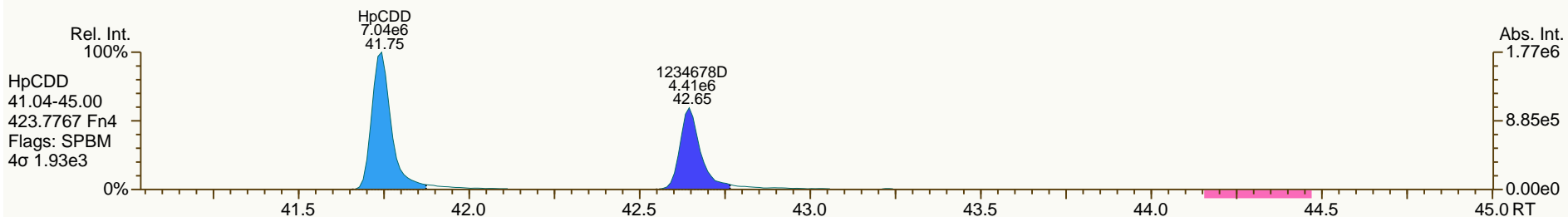
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
PeCDF	31.59		0.9847	0.9843	-0.8	3.38E+05	1.53	Y	1.00	1.87	1257	0.0802
PeCDF	31.67		0.9870	0.9868	-0.4	7.22E+04	1.07	N	1.00	0.4	1257	0.0802
PeCDF	31.86		0.9930	0.9927	-0.6	7.51E+04	1.26	N	1.00	0.416	1257	0.0802
12378-PeCDF	32.11		1.0007	1.0006	-0.2	2.37E+05	1.47	Y	0.99	1.28	1257	0.0783
PeCDF	32.44		1.0113	1.0109	-0.8	3.13E+05	1.36	Y	1.00	1.73	1257	0.0802
PeCDF	32.62		1.0169	1.0164	-1.0	3.38E+04	1.54	Y	1.00	0.187	1257	0.0802
PeCDF	33.13		0.9917	0.9913	-0.8	3.96E+04	1.75	Y	1.00	0.22	1257	0.0802
PeCDF	33.28		0.9962	0.9959	-0.6	1.81E+05	1.51	Y	1.00	1	1257	0.0802
23478-PeCDF	33.44		1.0006	1.0007	+0.2	3.98E+05	1.51	Y	1.02	2.28	1257	0.0823
PeCDF	NotFnd		0.0000						1.02		0	0
PeCDF	NotFnd		1.0023						1.00		1257	0.0802
PeCDF	NotFnd		1.0120						1.00		1257	0.0802
PeCDF	34.70		1.0389	1.0385	-0.8	2.44E+04	1.19	N	1.00	0.135	1257	0.0802
HxCDF	35.67		0.9565	0.9562	-0.7	5.39E+05	1.21	Y	1.15	3.45	1195	0.0845
HxCDF	35.91		0.9627	0.9626	-0.2	1.66E+06	1.16	Y	1.15	10.6	1195	0.0845
HxCDF	36.18		0.9700	0.9699	-0.2	4.03E+04	1.41	Y	1.15	0.258	1195	0.0845
HxCDF	36.42		0.9762	0.9761	-0.2	7.36E+04	1.01	N	1.15	0.472	1195	0.0845
HxCDF	36.69		0.9833	0.9833	0	1.61E+06	1.19	Y	1.15	10.3	1195	0.0845
HxCDF	37.18		0.9968	0.9966	-0.4	9.29E+04	1.54	N	1.15	0.595	1195	0.0845
123478-HxCDF	37.33		1.0006	1.0005	-0.2	2.82E+05	1.21	Y	1.19	1.92	1195	0.0844
123678-HxCDF	37.49		1.0005	1.0005	0	2.54E+05	1.23	Y	1.16	1.42	1195	0.0703
HxCDF	NotFnd		1.0055						1.15		1195	0.0845
HxCDF	37.84		1.0102	1.0098	-0.9	2.99E+04	1.18	Y	1.15	0.191	1195	0.0845
HxCDF	NotFnd		0.9933						1.15		1195	0.0845
234678-HxCDF	38.27		1.0006	1.0003	-0.7	3.12E+05	1.25	Y	1.18	1.83	1195	0.0758
HxCDF	NotFnd		0.0000						1.18		0	0
HxCDF	NotFnd		1.0009						1.15		1195	0.0845
123789-HxCDF	NotFnd		1.0005						1.09		1195	0.115
HxCDF	NotFnd		0.0000						1.09		0	0
123489-HxCDF	39.43		1.0013	1.0012	-0.2	6.46E+04	1.32	Y	1.15	0.414	1195	0.0845
1234678-HpCDF	41.38		1.0004	1.0004	0	2.36E+06	0.97	Y	1.35	17.8	1820	0.141
HpCDF	41.73		1.0091	1.0089	-0.5	1.12E+05	1.06	Y	1.34	0.907	1820	0.164
HpCDF	41.93		1.0140	1.0136	-1.0	3.96E+06	1.04	Y	1.34	32	1820	0.164
1234789-HpCDF	43.26		1.0004	1.0002	-0.5	1.35E+05	1.01	Y	1.34	1.18	1820	0.19
OCDF	46.63		1.0057	1.0055	-0.6	2.24E+06	0.89	Y	1.40	27.3	691	0.114
OCDF-a	46.62		1.0053	1.0053	0	1.12E+05	2.74	Y	1.00	1.91	636	0.146

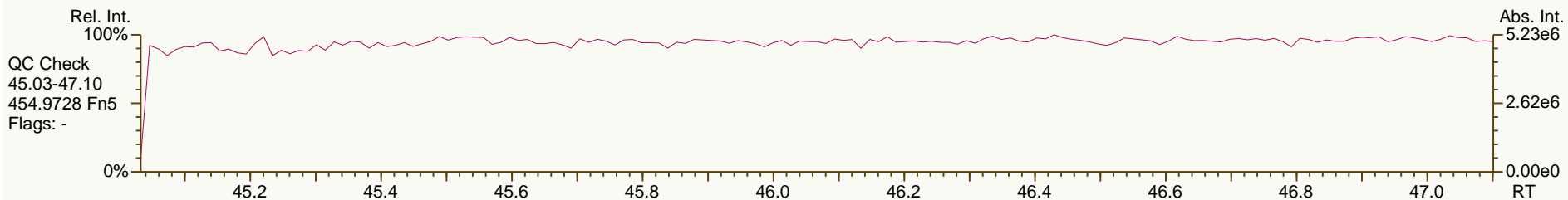
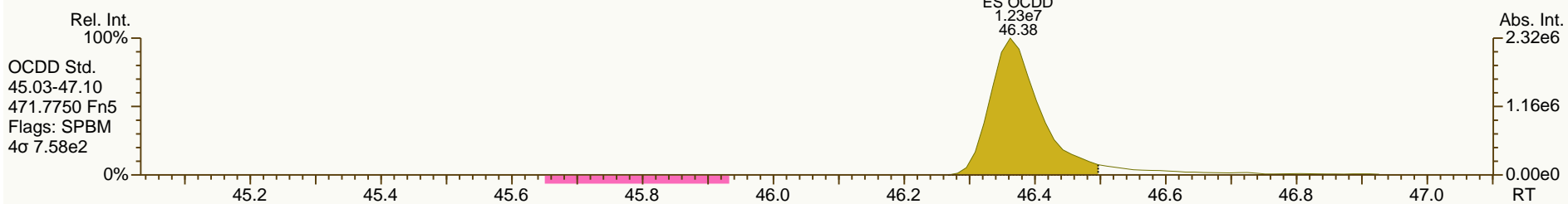
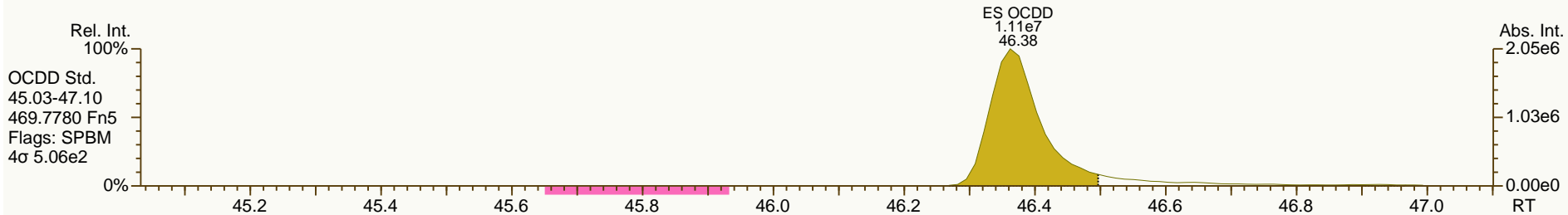
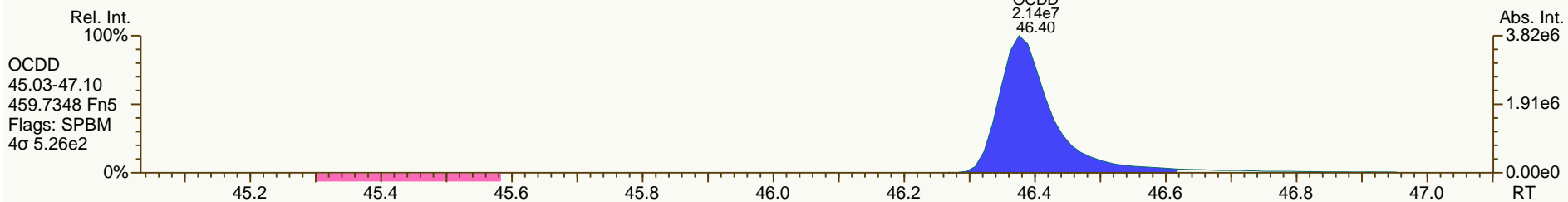
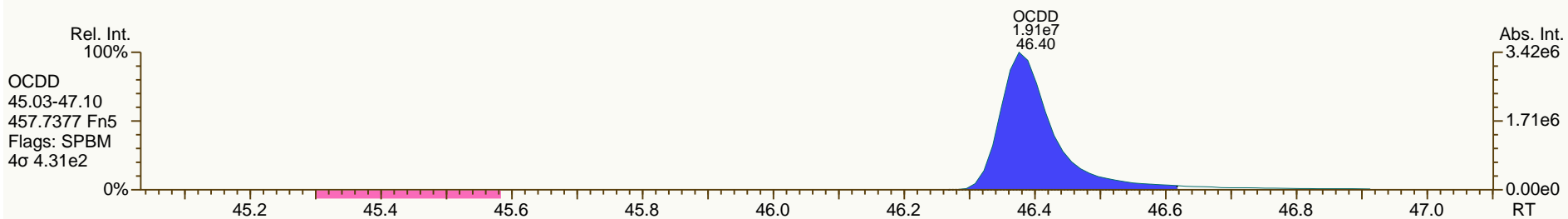


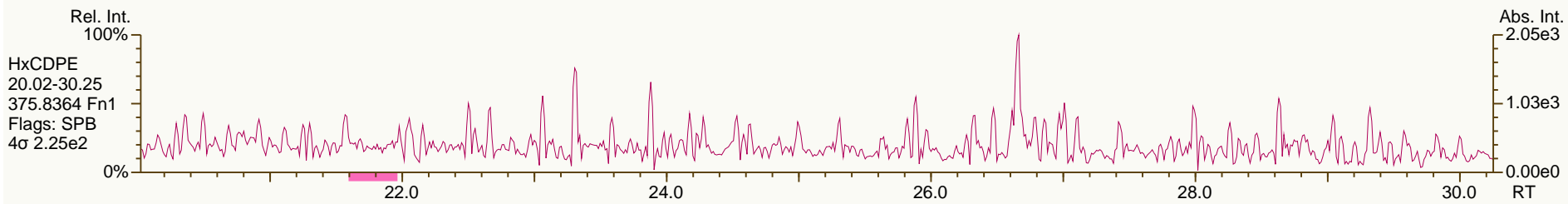
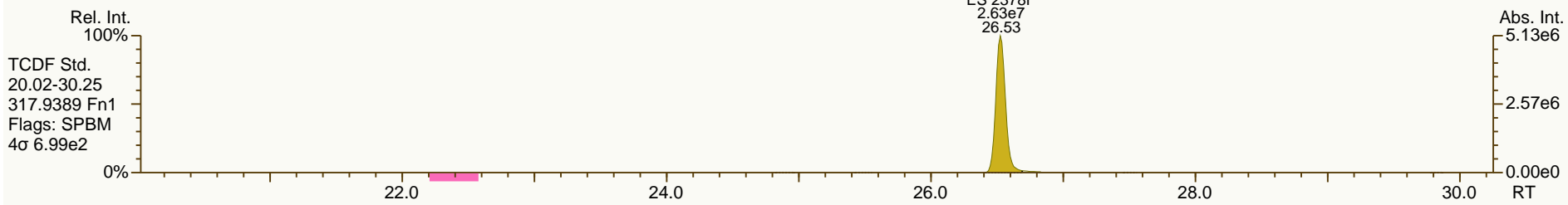
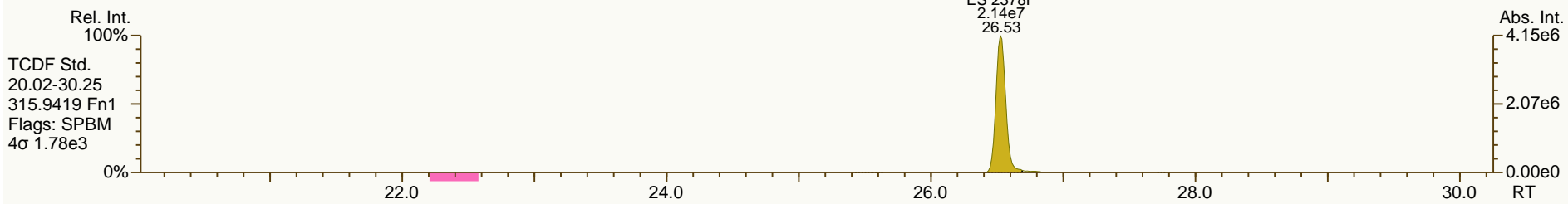
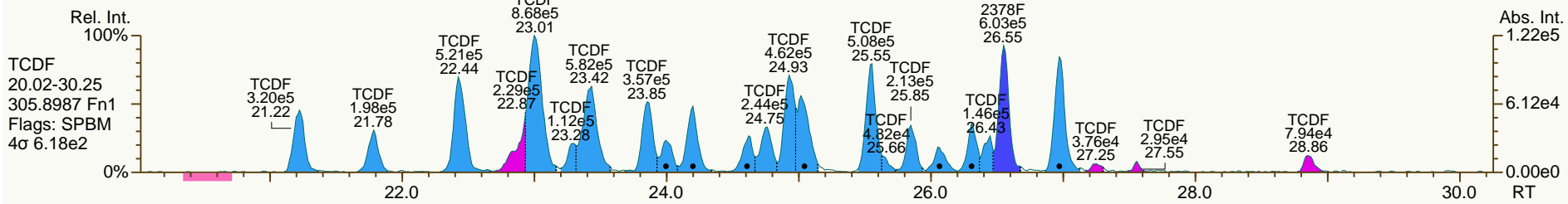
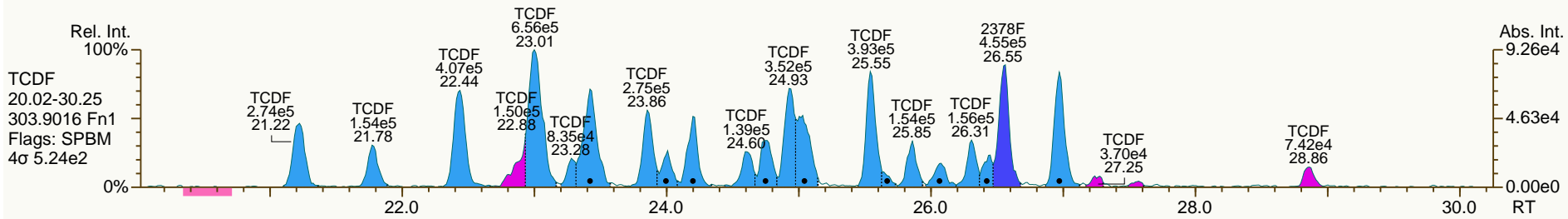


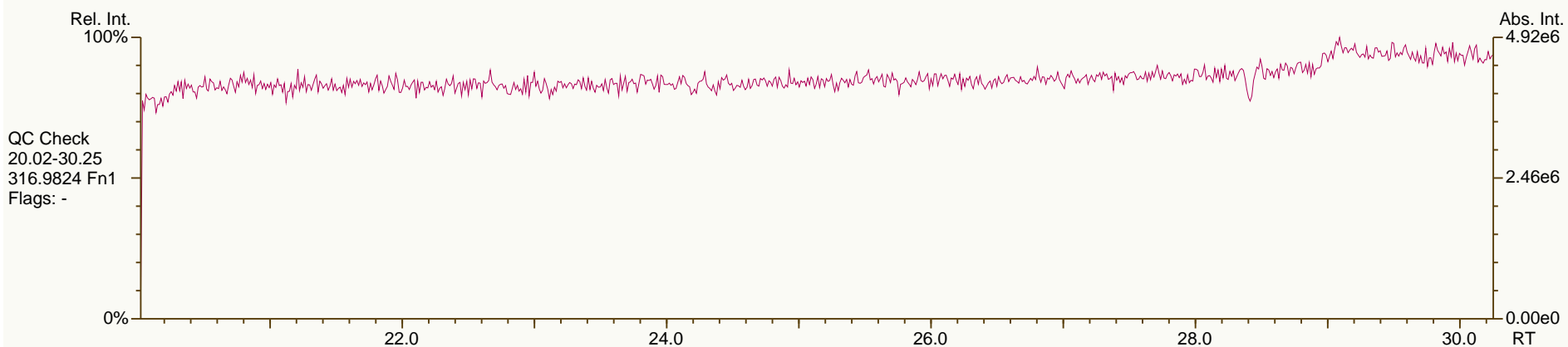
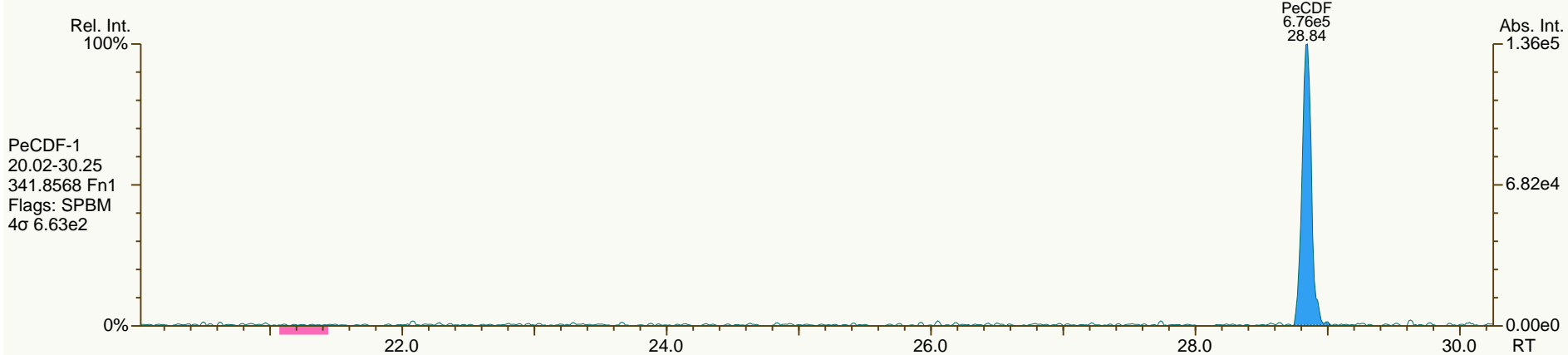
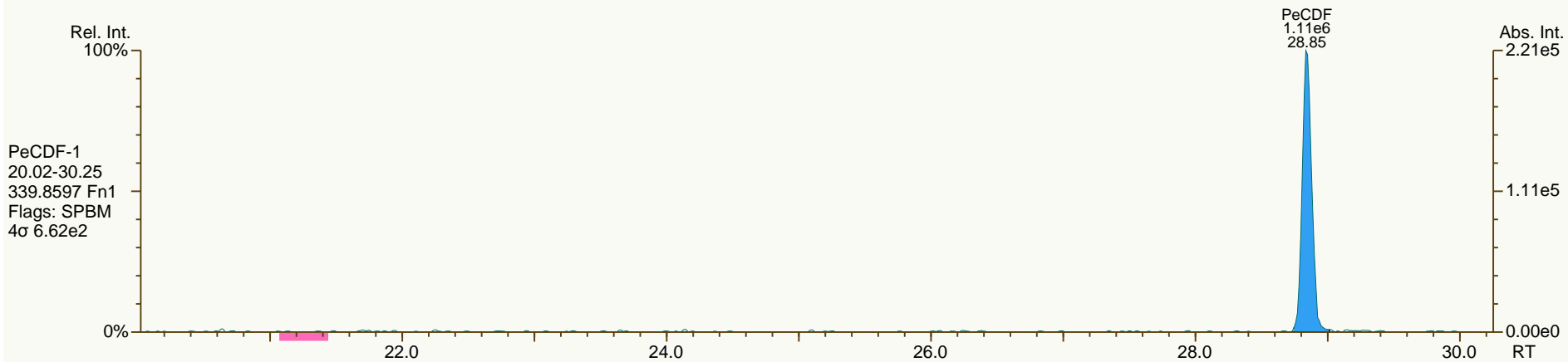


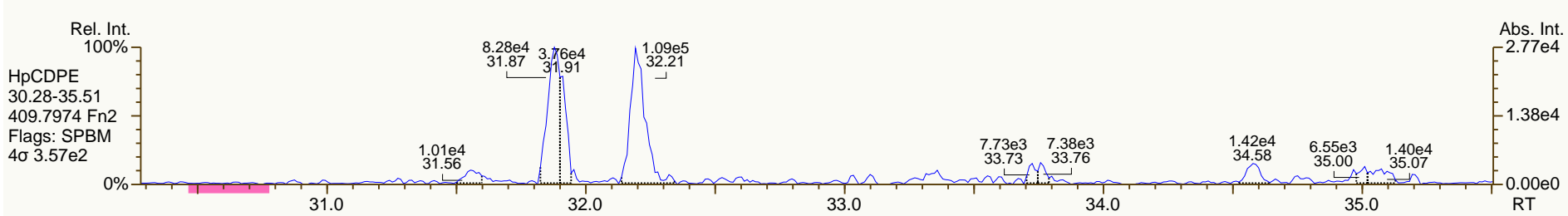
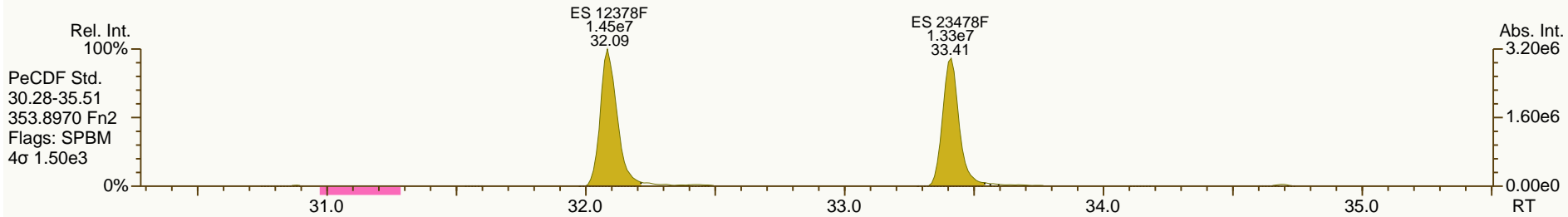
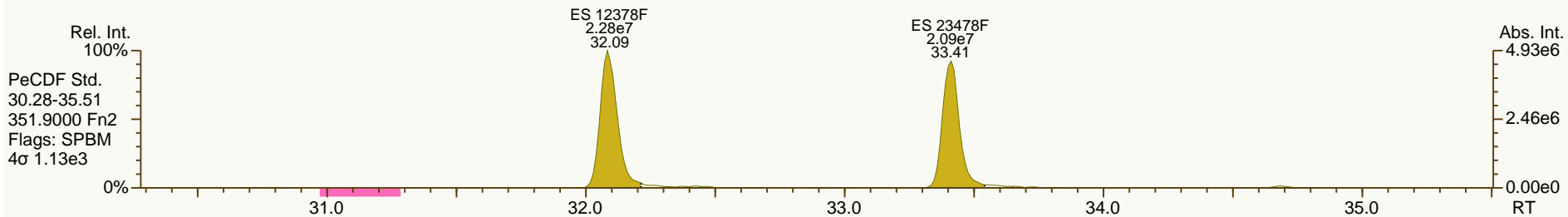
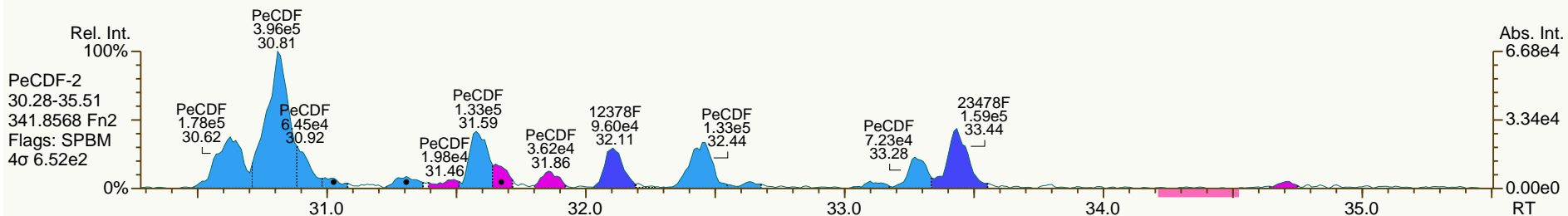
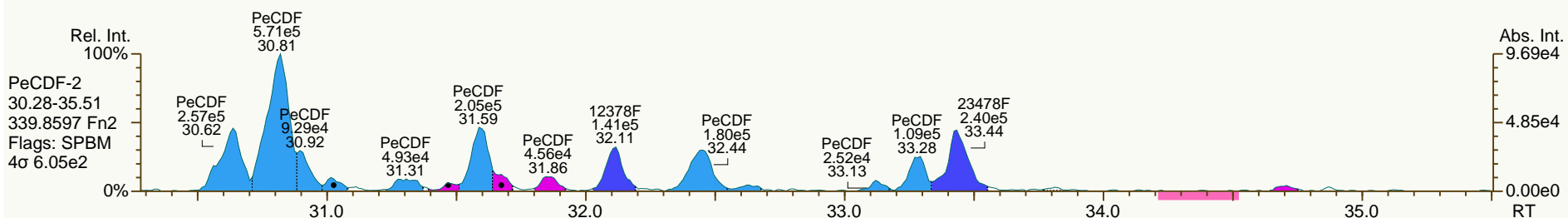


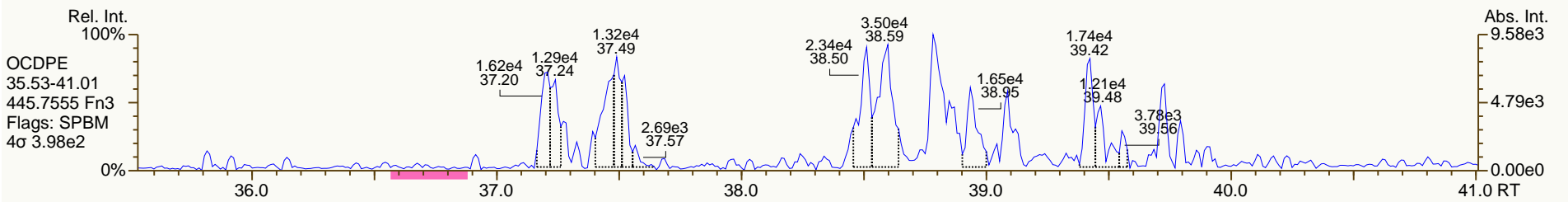
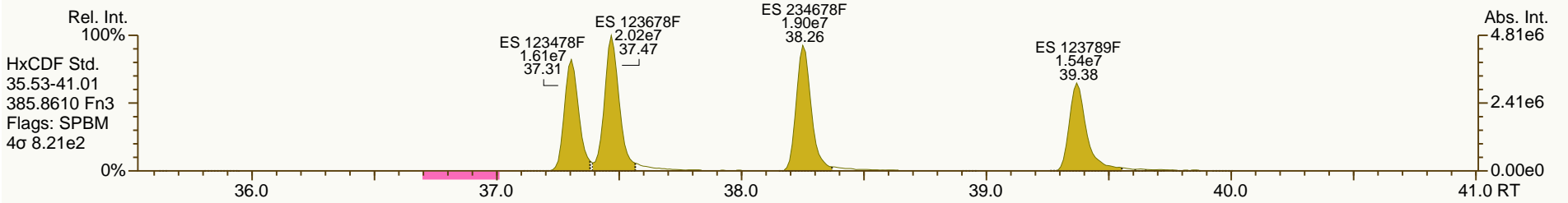
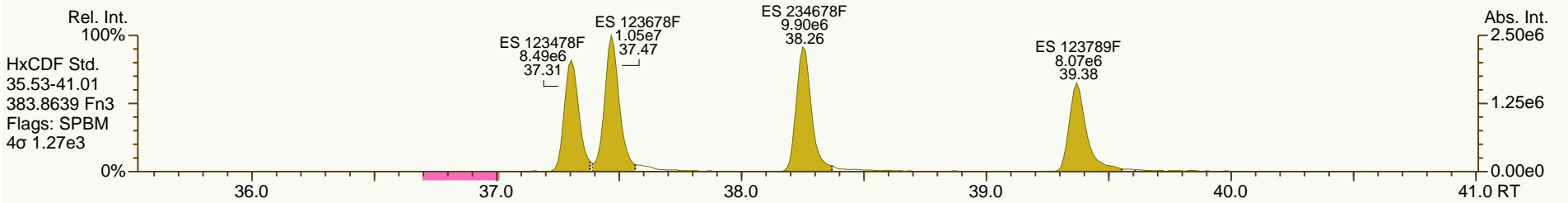
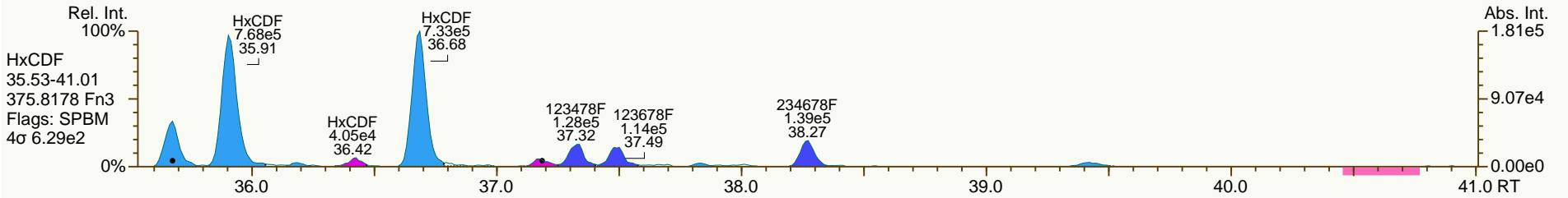
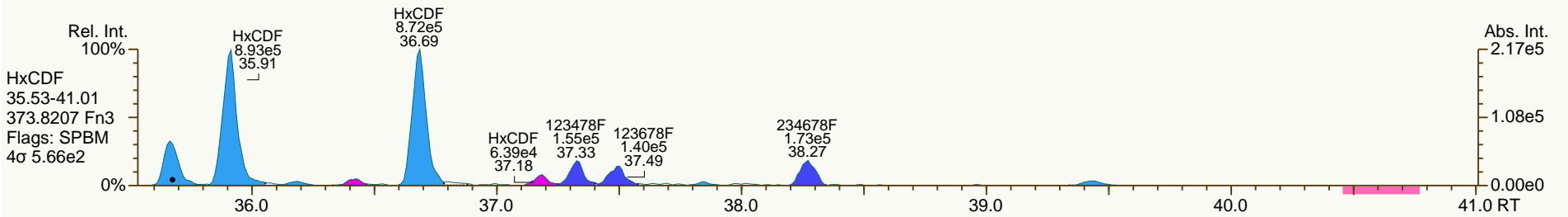


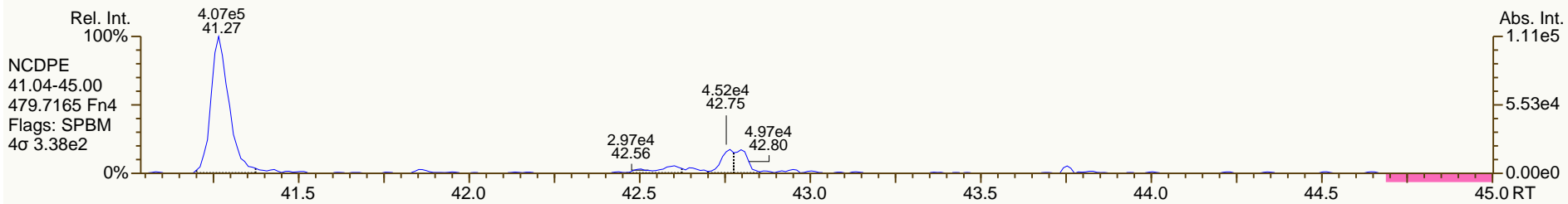
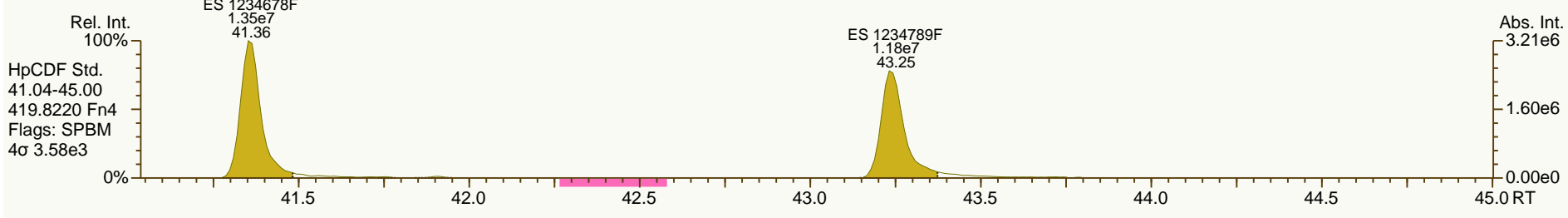
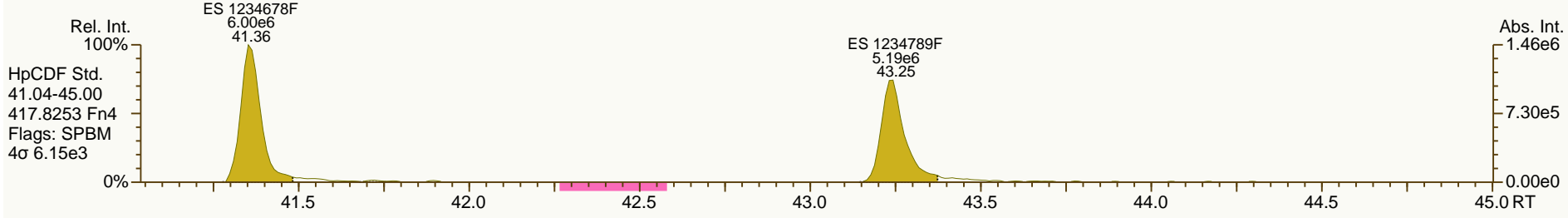
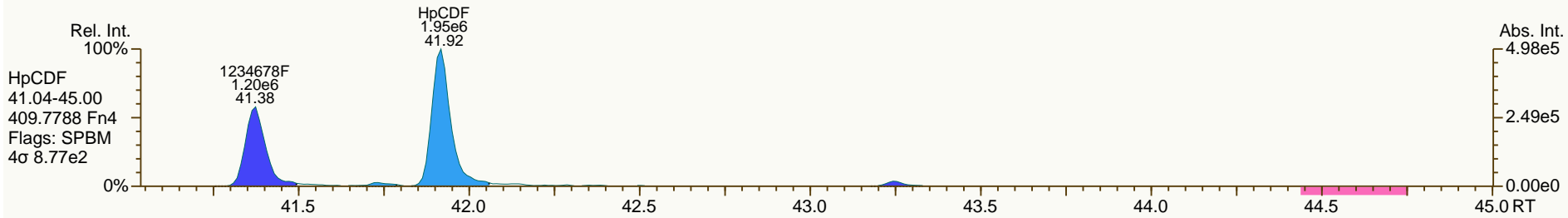
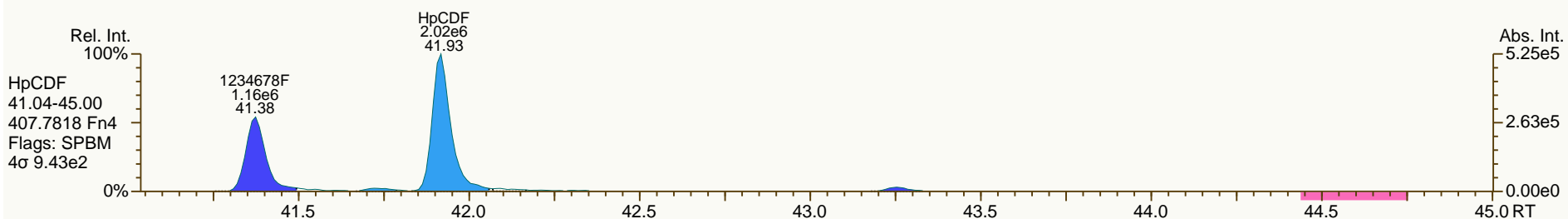


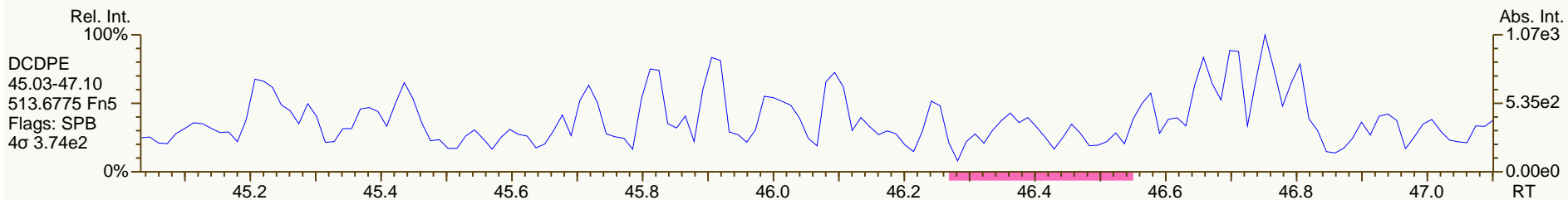
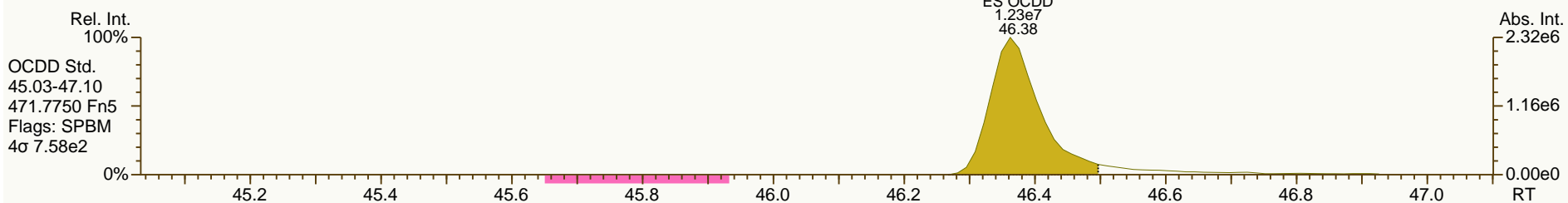
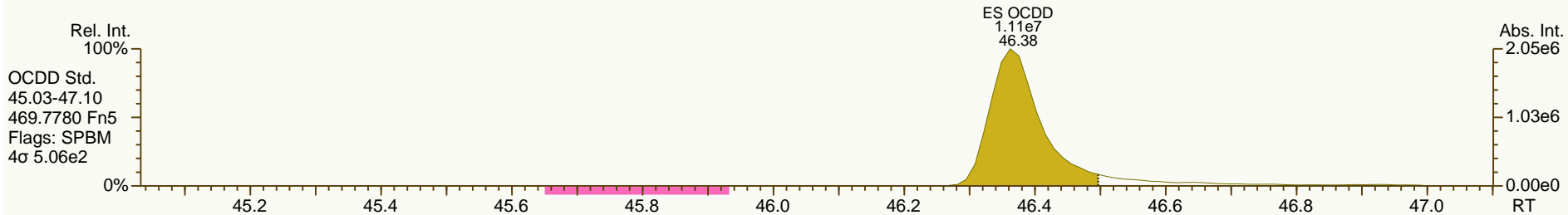
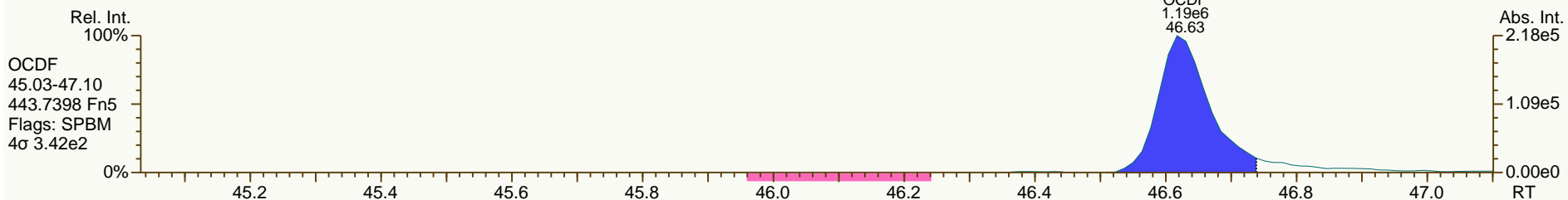
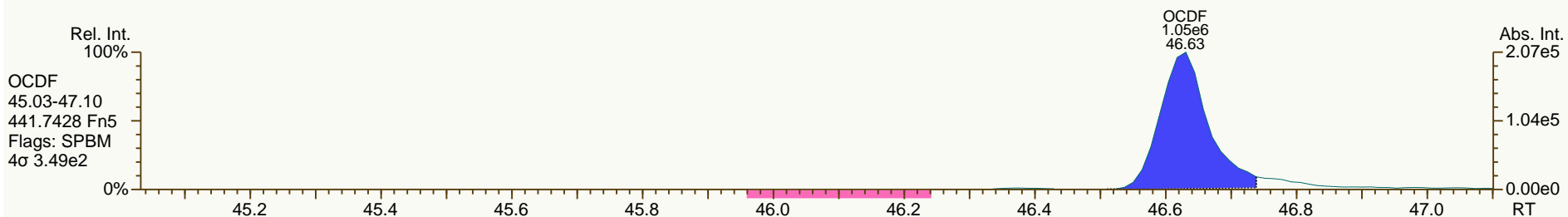












Quantify Sample Summary Report

MassLynx 4.1

Confirms Sample Summary

Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time

Printed: Wednesday, 11/14/2012 10:57:40 AM Eastern Standard Time

TM 11-14-12

Method: C:\MassLynx\Default.PRO\MethDB\VFxms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-5

Date: 13-Nov-2012

Time: 15:56:06

ID: 31203251003

User: JHL

Submitter:

Task: HRMS3

	Name	Response	Ion1Area	Ion2Area	RA	RAFail?	MRRF	RT	Conc	EDL	SN1	SN2	M	Height1	Noise1	Height2	Noise2	Smp Size	FV
1	2378-TCDF	3.440e3	1.487e3	1.953e3	0.76	NO	1.218	21.26	2.433	0.4797	12.2	15.5	MM	2.158e4	1764	2.700e4	1740	16.60	20
2	ES:13C-2378-TCDF	1.399e5	6.039e4	7.947e4	0.76	NO	1.655	21.26	87.612	0.7846	220.2	345.5	bb	7.798e5	3541	1.036e6	3000	16.60	20
3	JS:13C-1234-TCDD	1.162e5	5.127e4	6.494e4	0.79	NO	1.000	21.15	120.482	1.2038	220.4	274.9	bb	6.694e5	3037	8.319e5	3026	16.60	20
4	Tetrafurans	-	2.515e3	-	-	-	1.218	-	4.352	0.4797	-	-	-	3.781e4	1764	-	-	16.60	20
5	F1 Lock Mass	-	-	-	-	-	-	-	-	-	-	-	-	-	99927	-	-	1.00	1

$$[TCDF] = \frac{3.440e3}{1.399e5} \left(\frac{2000pg}{16.60g \times 0.6071} \right) \left(\frac{1}{1.21803} \right) = 4.01pg/g$$

TM 11-14-12

Quantify Sample Report MassLynx 4.1

Confirms Sample Summary

Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time

Printed: Wednesday, 11/14/2012 10:57:40 AM Eastern Standard Time

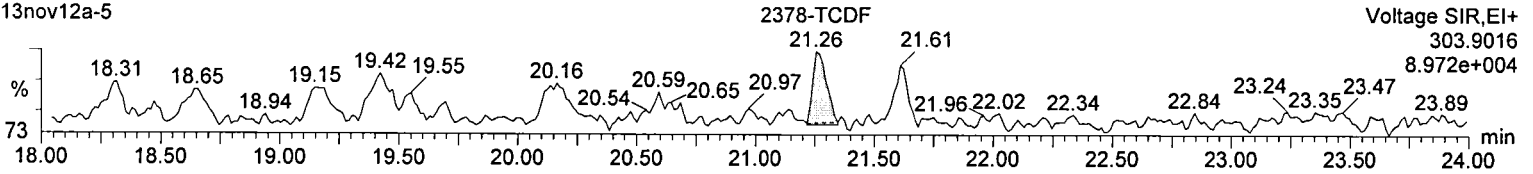
Method: C:\MassLynx\Default.PRO\MethDB\VFxms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-5, ID: 31203251003

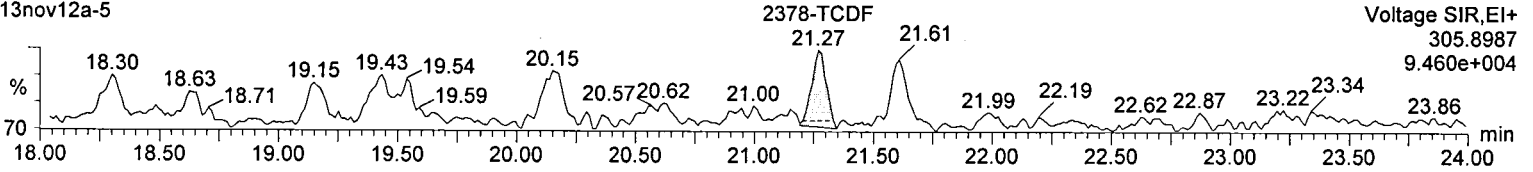
TCDF

c13nov12a-5



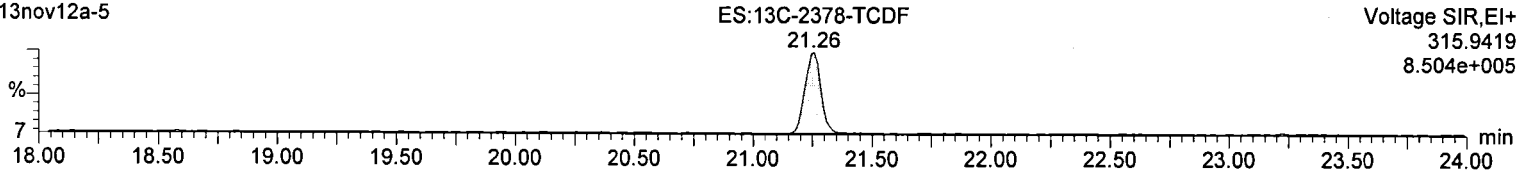
TCDF

c13nov12a-5



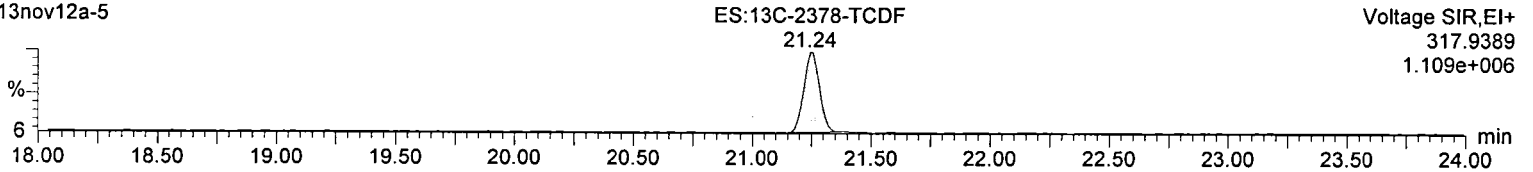
13C-TCDF

c13nov12a-5



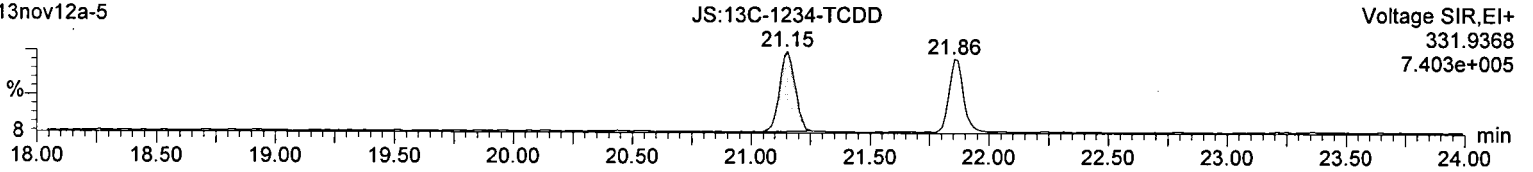
13C-TCDF

c13nov12a-5



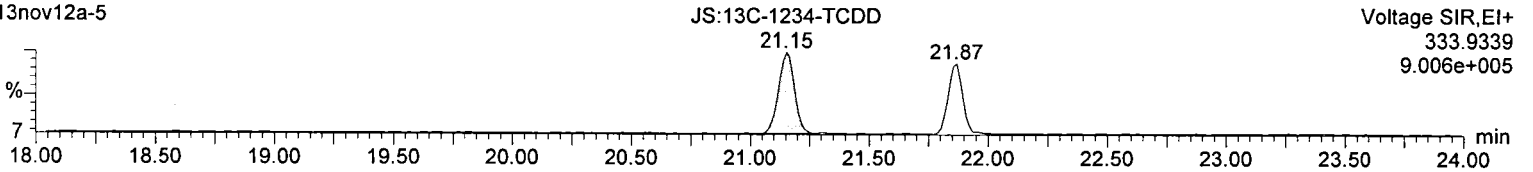
13C-TCDD

c13nov12a-5



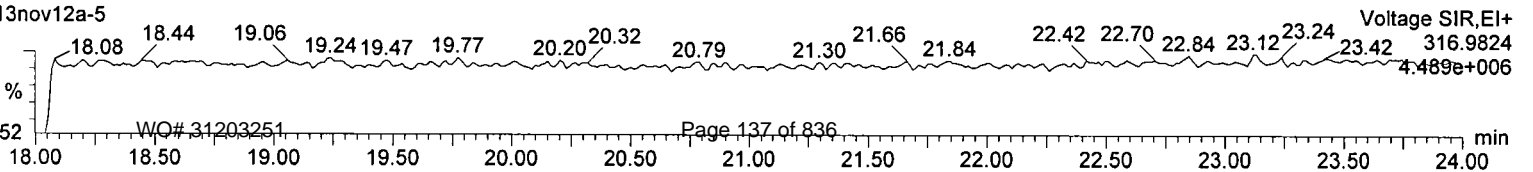
13C-TCDD

c13nov12a-5



F1 Lock Mass

c13nov12a-5



Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time
Printed: Wednesday, 11/14/2012 10:59:59 AM Eastern Standard Time

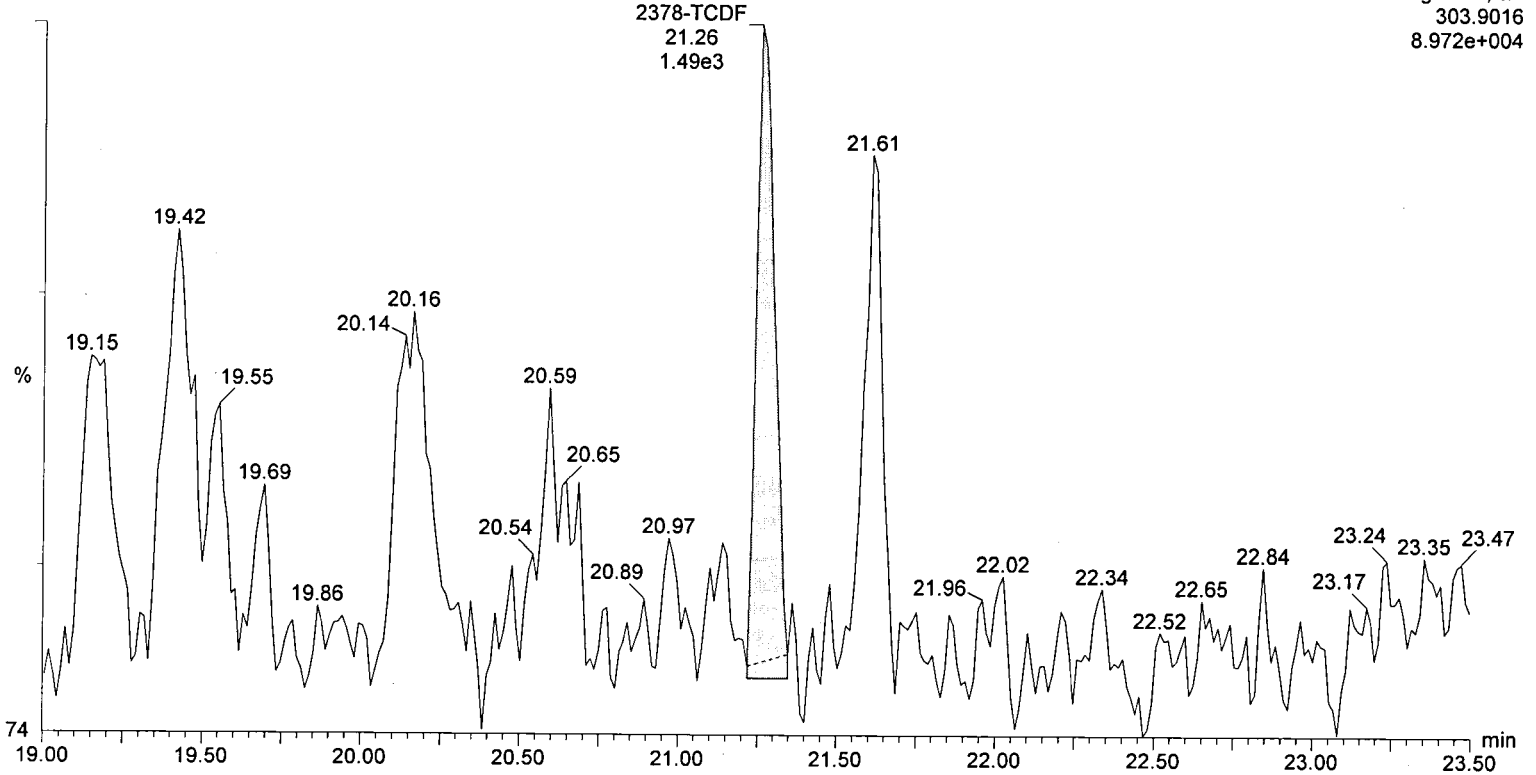
m3
11/14/12

Name: c13nov12a-5, ID: 31203251003

TCDF

c13nov12a-5

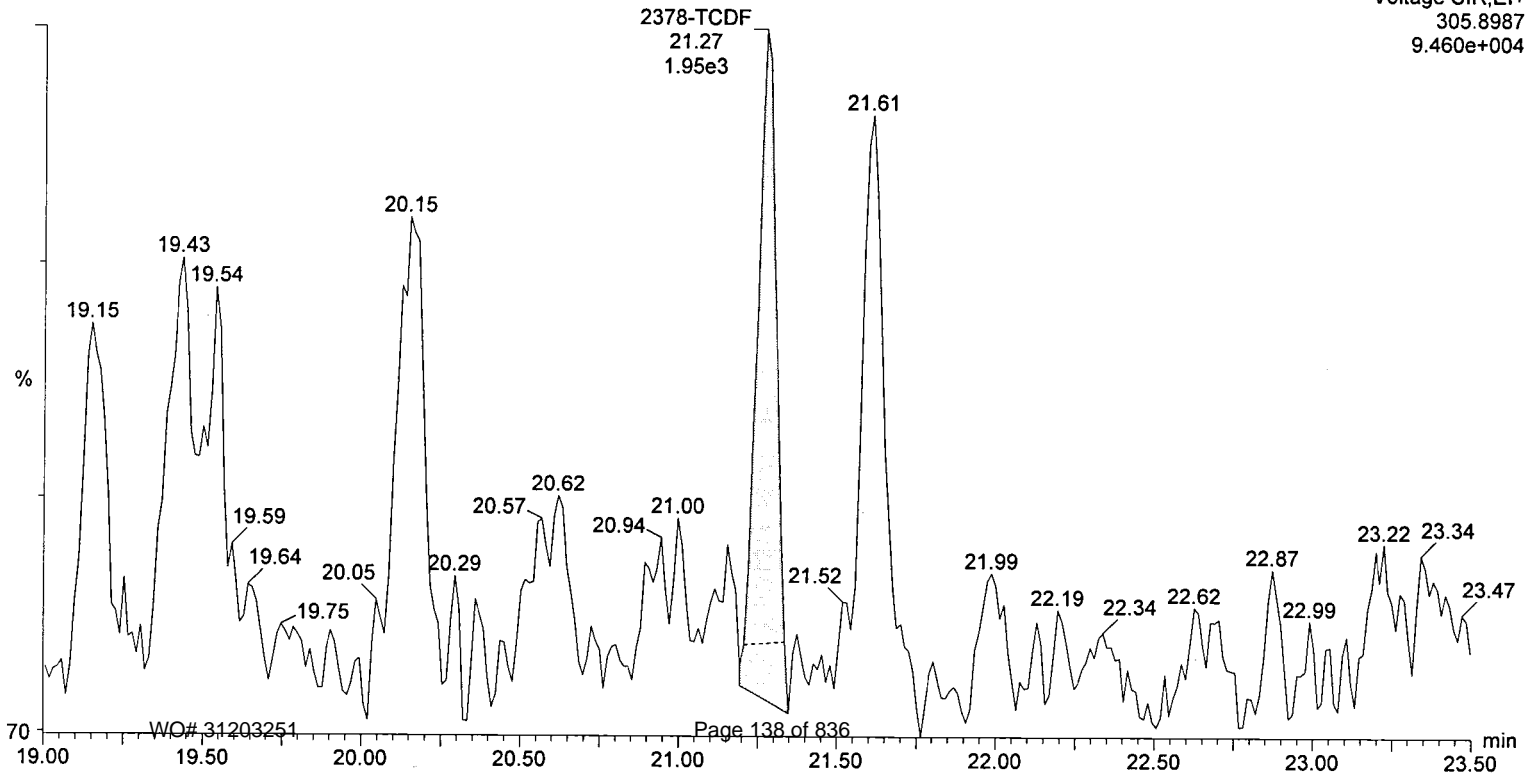
Voltage SIR,EI+
303.9016
8.972e+004



TCDF

c13nov12a-5

Voltage SIR,EI+
305.8987
9.460e+004



Results of JW-EA10-SS40-120507

Client Sample ID: **JW-EA10-SS40-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251004-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 12:34
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 59.70

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
2,3,7,8-TCDD	0.879			0.115	0.494	pg/g	27.54	0.75
1,2,3,7,8-PeCDD	1.90		J	0.143	2.47	pg/g	33.85	1.64
1,2,3,4,7,8-HxCDD	2.81			0.217	2.47	pg/g	38.50	1.12
1,2,3,6,7,8-HxCDD	9.92			0.234	2.47	pg/g	38.63	1.39
1,2,3,7,8,9-HxCDD	5.18			0.227	2.47	pg/g	38.98	1.30
1,2,3,4,6,7,8-HpCDD	112			0.741	2.47	pg/g	42.66	1.05
OCDD	781			0.321	4.94	pg/g	46.41	0.90
2,3,7,8-TCDF	6.73			0.0979	0.494	pg/g	26.55	0.80
2,3,7,8-TCDF [confirm]		5.23		0.372	2.04	pg/g	21.24	0.90*
1,2,3,7,8-PeCDF	1.63		J	0.109	2.47	pg/g	32.12	1.58
2,3,4,7,8-PeCDF	2.79			0.0925	2.47	pg/g	33.45	1.36
1,2,3,4,7,8-HxCDF	2.47			0.110	2.47	pg/g	37.33	1.33
1,2,3,6,7,8-HxCDF	1.74		J	0.0929	2.47	pg/g	37.49	1.16
2,3,4,6,7,8-HxCDF	2.43		J	0.101	2.47	pg/g	38.27	1.39
1,2,3,7,8,9-HxCDF	ND		U	0.163	2.47	pg/g		
1,2,3,4,6,7,8-HpCDF	22.3			0.190	2.47	pg/g	41.38	1.06
1,2,3,4,7,8,9-HpCDF	1.22		J	0.282	2.47	pg/g	43.26	0.97
OCDF	36.4			0.228	4.94	pg/g	46.65	0.91
Total TCDD	80.0	81.1		0.115	0.494	pg/g		
Total TCDF	73.8	74.5		0.0979	0.494	pg/g		
Total PeCDD	58.9	59.5		0.143	2.47	pg/g		
Total PeCDF	33.2	34.4	DPE	0.100	2.47	pg/g		
Total HxCDD	132			0.226	2.47	pg/g		
Total HxCDF	43.6	43.8		0.113	2.47	pg/g		
Total HpCDD	267			0.741	2.47	pg/g		
Total HpCDF	61.7			0.231	2.47	pg/g		

World Health Organization Summary

	<u>Units</u>	<u>ND=0</u>	<u>ND=½</u>	<u>ND=DL</u>
WHO-2005 TEQ	pg/g	7.72	7.75	7.77
WHO-2005 TEQ w/EMPC	pg/g	8.24	8.25	8.26

Results of JW-EA10-SS40-120507

Client Sample ID: **JW-EA10-SS40-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251004-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 12:34
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 59.70

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
13C-2378-TCDF	83.0				24.0-169	%		
13C-2378-TCDD	83.0				25.0-164	%		
13C-12378-PeCDD	81.0				25.0-181	%		
13C-123478-HxCDD	87.0				32.0-141	%		
13C-123678-HxCDD	83.0				28.0-130	%		
13C-1234678-HpCDD	90.0				23.0-140	%		
13C-OCDD	72.0				17.0-157	%		
13C-2378-TCDF	80.0				24.0-169	%		
13C-12378-PeCDF	78.0				24.0-185	%		
13C-23478-PeCDF	84.0				21.0-178	%		
13C-123478-HxCDF	87.0				26.0-152	%		
13C-123678-HxCDF	101				26.0-123	%		
13C-234678-HxCDF	95.0				29.0-147	%		
13C-123789-HxCDF	78.0				28.0-136	%		
13C-1234678-HpCDF	82.0				28.0-143	%		
13C-1234789-HpCDF	85.0				26.0-138	%		
37Cl-2378-TCDD	97.0				35.0-197	%		

Batch Information

Analytical Batch: **HRD1905**
 Analytical Method: **EPA 1613B**
 Instrument: **APHRMS**
 Analyst: **MDC**
 Analytical Date/Time: **10/28/2012 13:09**

Prep Batch: **HXX1816**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/16/2012 15:46**
 Prep Initial Wt./Vol.: **16.93 g**
 Prep Extract Vol: **20 uL**

Analytical Batch: **HRD1933**
 Analytical Method: **EPA 1613B**
 Instrument: **HRMS3**
 Analyst: **JHL**
 Analytical Date/Time: **11/13/2012 15:07**

Prep Batch: **HXX1816**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/16/2012 15:46**
 Prep Initial Wt./Vol.: **16.93 g**
 Prep Extract Vol: **20 uL**

Lab ID: A4723_10237_DF_002



Acq'd: 28 Oct 2012 13:09 MDC

Wt/Vol: 10.11 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS40-120507

UTP: 29-Oct-2012 12:24 MDC

J-level: 0.495 pg/g Split: 1

Checkcode: 352-196-TPL

Datafile: 121028P1-06

Report: 29 Oct 2012 13:42 MC

Std (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.54		1.0009	1.0007	-0.3	9.16E+04	0.75	Y	1.08	0.88	900	0.115
12378-PeCDD	33.85		1.0006	1.0006	0	1.59E+05	1.64	Y	1.07	1.9	1056	0.143
123478-HxCDD	38.50		1.0004	1.0005	+0.2	1.74E+05	1.12	Y	1.05	2.81	1290	0.217
123678-HxCDD	38.63		1.0039	1.0039	0	6.22E+05	1.39	Y	0.98	9.92	1290	0.235
123789-HxCDD	38.98		1.0129	1.0129	0	3.21E+05	1.30	Y	1.01	5.19	1290	0.227
1234678-HpCDD	42.66		1.0005	1.0004	-0.3	6.38E+06	1.05	Y	1.09	112	3772	0.742
OCDD	46.41		1.0005	1.0004	-0.3	2.86E+07	0.90	Y	1.11	782	796	0.321
2378-TCDF	26.55		1.0009	1.0009	0	1.01E+06	0.80	Y	0.98	6.73	1084	0.098
12378-PeCDF	32.12		1.0007	1.0005	-0.4	2.08E+05	1.58	Y	0.99	1.63	1157	0.109
23478-PeCDF	33.45		1.0006	1.0010	+0.8	3.90E+05	1.36	Y	1.02	2.79	1157	0.0925
123478-HxCDF	37.33		1.0006	1.0005	-0.2	2.36E+05	1.33	Y	1.19	2.47	1038	0.11
123678-HxCDF	37.49		1.0005	1.0004	-0.2	2.08E+05	1.16	Y	1.16	1.74	1038	0.0929
234678-HxCDF	38.27		1.0006	1.0003	-0.7	2.63E+05	1.39	Y	1.18	2.43	1038	0.101
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.09	-	1038	0.163
1234678-HpCDF	41.38		1.0004	1.0003	-0.2	1.89E+06	1.06	Y	1.35	22.3	1552	0.19
1234789-HpCDF	43.26		1.0004	1.0000	-1.0	8.24E+04	0.97	Y	1.34	1.23	1552	0.282
OCDF	46.65		1.0057	1.0055	-0.6	1.68E+06	0.91	Y	1.40	36.4	714	0.229

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.52	1.0281	1.0282	+0.2	1.90E+07	0.81	Y	1.04	83.4
ES 12378-PeCDD	33.83	1.2639	1.2640	+0.2	1.54E+07	1.57	Y	0.87	81.1
ES 123478-HxCDD	38.48	0.9876	0.9875	-0.2	1.17E+07	1.25	Y	0.94	86.5
ES 123678-HxCDD	38.61	0.9910	0.9909	-0.2	1.26E+07	1.30	Y	1.06	83
ES 1234678-HpCDD	42.64	1.0943	1.0944	+0.2	1.04E+07	1.06	Y	0.80	90.5
ES OCDD	46.39	1.1907	1.1906	-0.2	1.31E+07	0.90	Y	0.63	72.5
ES 2378-TCDF	26.52	0.9907	0.9909	+0.3	3.05E+07	0.80	Y	1.74	80.1
ES 12378-PeCDF	32.10	1.1992	1.1992	0	2.56E+07	1.55	Y	1.49	78.4
ES 23478-PeCDF	33.42	1.2484	1.2485	+0.2	2.72E+07	1.57	Y	1.48	84
ES 123478-HxCDF	37.31	0.9577	0.9576	-0.2	1.59E+07	0.53	Y	1.27	87.4
ES 123678-HxCDF	37.48	0.9619	0.9618	-0.2	2.05E+07	0.52	Y	1.41	101
ES 234678-HxCDF	38.26	0.9821	0.9820	-0.2	1.82E+07	0.54	Y	1.34	94.6
ES 123789-HxCDF	39.38	1.0108	1.0107	-0.2	1.35E+07	0.54	Y	1.20	78.3
ES 1234678-HpCDF	41.37	1.0618	1.0617	-0.2	1.24E+07	0.45	Y	1.06	81.6
ES 1234789-HpCDF	43.26	1.1100	1.1102	+0.5	9.96E+06	0.44	Y	0.82	84.6

Lab ID: A4723_10237_DF_002

Acq'd: 28 Oct 2012 13:09 MDC

Wt/Vol: 10.11 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS40-120507

UTP: 29-Oct-2012 12:24 MDC

J-level: 0.495 pg/g Split: 1

Checkcode: 352-196-TPL

Datafile: 121028P1-06

Report: 29 Oct 2012 13:42 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37Cl)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.77		-	-	-	2.19E+07	0.82	Y	-	-
JS 123789-HxCDD	38.96		-	-	-	1.43E+07	1.27	Y	-	-
CS 37Cl-2378-TCDD	27.55		1.0291	1.0292	+0.2	4.99E+06	n/a	-	1.17	97.3
SS 37Cl-2378-TCDD	27.55	NA	1.0291	1.0292	+0.2	4.99E+06	n/a	-	1.12	117

Totals	Conc	EMPC	EDL
Total TCDD	80	81.2	0.115
Total PeCDD	59	59.5	0.143
Total HxCDD	132	132	0.226
Total HpCDD	267	267	0.742
Total Tetra-Octa Dioxins	1320	1320	
Total TCDF	73.9	74.6	0.098
Total PeCDF	33.2	34.5	0.1
Total HxCDF	43.6	43.9	0.113
Total HpCDF	61.8	61.8	0.231
Total Tetra-Octa Furans	249	251	
Total Tetra-Octa Dioxins & Furans	1570	1570	

Lab ID: A4723_10237_DF_002

Acq'd: 28 Oct 2012 13:09 MDC

Wt/Vol: 10.11 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS40-120507

UTP: 29-Oct-2012 12:24 MDC

J-level: 0.495 pg/g Split: 1

Checkcode: 352-196-TPL

Datafile: 121028P1-06

Report: 29 Oct 2012 13:42 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
TCDD	23.40		0.8504	0.8504	0	2.98E+06	0.77	Y	1.08	28.6	900	0.115
TCDD	23.80		0.8649	0.8649	0	2.33E+06	0.80	Y	1.08	22.4	900	0.115
TCDD	24.29		0.8835	0.8826	-1.5	7.40E+04	0.97	N	1.08	0.711	900	0.115
TCDD	25.16		0.9152	0.9143	-1.5	3.23E+05	0.78	Y	1.08	3.1	900	0.115
TCDD	25.44		0.9241	0.9242	+0.2	3.53E+05	0.87	Y	1.08	3.39	900	0.115
TCDD	25.66		0.9327	0.9324	-0.5	4.94E+05	0.72	Y	1.08	4.74	900	0.115
TCDD	25.87		0.9408	0.9401	-1.2	1.24E+05	0.87	Y	1.08	1.19	900	0.115
TCDD	26.16		0.9512	0.9504	-1.3	3.37E+04	0.79	Y	1.08	0.323	900	0.115
TCDD	26.36		0.9580	0.9579	-0.2	1.17E+05	0.67	Y	1.08	1.13	900	0.115
TCDD	26.80		0.9736	0.9737	+0.2	8.48E+05	0.75	Y	1.08	8.15	900	0.115
TCDD	NotFnd		0.9785						1.08		900	0.115
TCDD	27.22		0.9884	0.9890	+1.0	5.61E+05	0.78	Y	1.08	5.39	900	0.115
TCDD	27.37		0.9945	0.9946	+0.2	4.65E+04	0.63	N	1.08	0.447	900	0.115
2378-TCDD	27.54		1.0009	1.0007	-0.3	9.16E+04	0.75	Y	1.08	0.88	900	0.115
TCDD	27.93		1.0147	1.0149	+0.3	7.81E+04	0.72	Y	1.08	0.75	900	0.115
TCDD	NotFnd		1.0206						1.08		900	0.115
TCDD	NotFnd		1.0423						1.08		900	0.115
PeCDD	30.89		0.9131	0.9130	-0.2	1.25E+06	1.55	Y	1.07	15	1056	0.143
PeCDD	31.52		0.9319	0.9315	-0.8	8.57E+04	1.77	Y	1.07	1.03	1056	0.143
PeCDD	32.17		0.9511	0.9509	-0.4	1.35E+06	1.65	Y	1.07	16.1	1056	0.143
PeCDD	32.39		0.9576	0.9573	-0.6	1.65E+05	1.38	Y	1.07	1.98	1056	0.143
PeCDD	32.52		0.9611	0.9610	-0.2	1.09E+06	1.48	Y	1.07	13	1056	0.143
PeCDD	32.82		0.9703	0.9699	-0.8	1.83E+05	1.51	Y	1.07	2.19	1056	0.143
PeCDD	33.26		0.9829	0.9829	0	5.82E+05	1.55	Y	1.07	6.97	1056	0.143
12378-PeCDD	33.85		1.0006	1.0006	0	1.59E+05	1.64	Y	1.07	1.9	1056	0.143
PeCDD	33.97		1.0039	1.0040	+0.2	6.33E+04	1.47	Y	1.07	0.758	1056	0.143
PeCDD	34.38		1.0161	1.0160	-0.2	4.79E+04	2.04	N	1.07	0.573	1056	0.143
HxCDD	36.47		0.9479	0.9478	-0.2	1.68E+06	1.23	Y	1.01	27	1290	0.226
HxCDD	37.24		0.9682	0.9679	-0.7	2.49E+06	1.25	Y	1.01	39.9	1290	0.226
HxCDD	37.60		0.9771	0.9771	0	2.44E+06	1.29	Y	1.01	39.1	1290	0.226
HxCDD	37.74		0.9811	0.9810	-0.2	3.91E+05	1.27	Y	1.01	6.28	1290	0.226
123478-HxCDD	38.50		1.0004	1.0005	+0.2	1.74E+05	1.12	Y	1.05	2.81	1290	0.217
123678-HxCDD	38.63		1.0039	1.0039	0	6.22E+05	1.39	Y	0.98	9.92	1290	0.235
HxCDD	38.85		1.0097	1.0096	-0.2	1.04E+05	1.30	Y	1.01	1.67	1290	0.226
123789-HxCDD	38.98		1.0129	1.0129	0	3.21E+05	1.30	Y	1.01	5.19	1290	0.227

Lab ID: A4723_10237_DF_002

Acq'd: 28 Oct 2012 13:09 MDC

Wt/Vol: 10.11 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS40-120507

UTP: 29-Oct-2012 12:24 MDC

J-level: 0.495 pg/g Split: 1

Checkcode: 352-196-TPL

Datafile: 121028P1-06

Report: 29 Oct 2012 13:42 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
HpCDD	41.75		0.9793	0.9791	-0.5	8.85E+06	1.05	Y	1.09	155	3772	0.742
1234678-HpCDD	42.66		1.0005	1.0004	-0.3	6.38E+06	1.05	Y	1.09	112	3772	0.742
OCDD	46.41		1.0005	1.0004	-0.3	2.86E+07	0.90	Y	1.11	782	796	0.321
OCDD-a	46.40		1.0001	1.0001	0	1.73E+06	2.26	Y	1.00	52.3	1075	0.48
TCDF	21.19		0.7983	0.7989	+1.0	4.78E+05	0.82	Y	0.98	3.18	1084	0.098
TCDF	21.75		0.8218	0.8200	-2.9	3.06E+05	0.77	Y	0.98	2.04	1084	0.098
TCDF	22.42		0.8463	0.8451	-1.9	7.82E+05	0.79	Y	0.98	5.2	1084	0.098
TCDF	22.85		0.8625	0.8613	-1.9	3.26E+05	0.66	Y	0.98	2.17	1084	0.098
TCDF	22.99		0.8677	0.8667	-1.6	1.26E+06	0.80	Y	0.98	8.38	1084	0.098
TCDF	23.27		0.8787	0.8772	-2.4	2.53E+05	0.76	Y	0.98	1.68	1084	0.098
TCDF	23.41		0.8840	0.8824	-2.5	8.02E+05	0.78	Y	0.98	5.34	1084	0.098
TCDF	23.84		0.8998	0.8987	-1.8	5.37E+05	0.80	Y	0.98	3.57	1084	0.098
TCDF	23.98		0.9054	0.9042	-1.9	2.77E+05	0.82	Y	0.98	1.84	1084	0.098
TCDF	24.18		0.9125	0.9116	-1.4	4.85E+05	0.79	Y	0.98	3.23	1084	0.098
TCDF	24.60		0.9279	0.9272	-1.1	2.40E+05	0.82	Y	0.98	1.6	1084	0.098
TCDF	24.74		0.9334	0.9327	-1.1	3.41E+05	0.70	Y	0.98	2.27	1084	0.098
TCDF	24.91		0.9381	0.9391	+1.6	6.15E+05	0.76	Y	0.98	4.09	1084	0.098
TCDF	25.03		0.9439	0.9435	-0.6	6.30E+05	0.81	Y	0.98	4.2	1084	0.098
TCDF	25.54		0.9630	0.9627	-0.5	7.88E+05	0.84	Y	0.98	5.25	1084	0.098
TCDF	25.66		0.9674	0.9674	0	4.67E+04	0.72	Y	0.98	0.311	1084	0.098
TCDF	25.84		0.9746	0.9742	-0.6	2.81E+05	0.77	Y	0.98	1.87	1084	0.098
TCDF	26.06		0.9829	0.9826	-0.5	2.12E+05	0.78	Y	0.98	1.41	1084	0.098
TCDF	26.30		0.9916	0.9914	-0.3	2.91E+05	0.72	Y	0.98	1.94	1084	0.098
TCDF	26.41		0.9963	0.9958	-0.8	2.22E+05	0.74	Y	0.98	1.48	1084	0.098
2378-TCDF	26.55		1.0009	1.0009	0	1.01E+06	0.80	Y	0.98	6.73	1084	0.098
TCDF	26.97		1.0166	1.0167	+0.2	8.33E+05	0.79	Y	0.98	5.54	1084	0.098
TCDF	27.25		1.0274	1.0272	-0.3	4.36E+04	0.76	Y	0.98	0.29	1084	0.098
TCDF	27.55		1.0390	1.0387	-0.5	4.29E+04	0.79	Y	0.98	0.286	1084	0.098
TCDF	28.87		1.0886	1.0882	-0.6	1.06E+05	1.22	N	0.98	0.709	1084	0.098
PeCDF	28.84		0.8975	0.8985	+1.9	1.61E+06	1.54	Y	1.00	12	1154	0.1
PeCDF	30.62		0.9542	0.9540	-0.4	3.32E+05	1.69	Y	1.00	2.48	1157	0.1
PeCDF	30.80		0.9587	0.9596	+1.7	8.42E+05	1.50	Y	1.00	6.29	1157	0.1
PeCDF	30.91		0.9636	0.9629	-1.3	1.64E+05	1.40	Y	1.00	1.23	1157	0.1
PeCDF	31.01		0.9671	0.9661	-1.9	6.42E+04	1.53	Y	1.00	0.48	1157	0.1
PeCDF	31.32		0.9760	0.9756	-0.8	7.35E+04	1.42	Y	1.00	0.549	1157	0.1
PeCDF	31.46		0.9810	0.9802	-1.5	2.85E+04	1.23	N	1.00	0.213	1157	0.1

Lab ID: A4723_10237_DF_002

Acq'd: 28 Oct 2012 13:09 MDC

Wt/Vol: 10.11 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS40-120507

UTP: 29-Oct-2012 12:24 MDC

J-level: 0.495 pg/g Split: 1

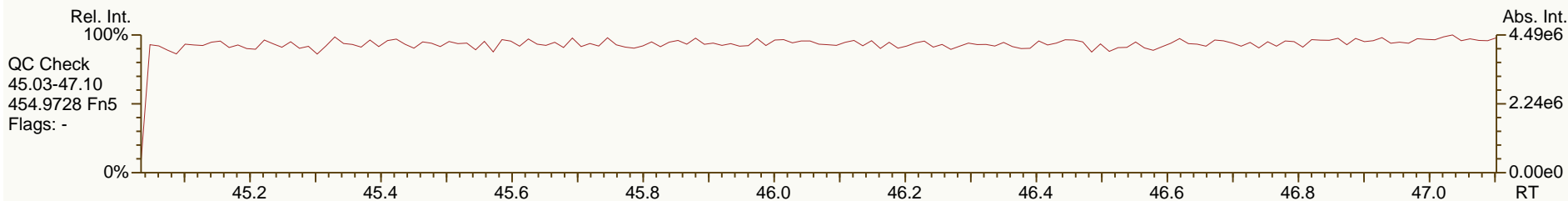
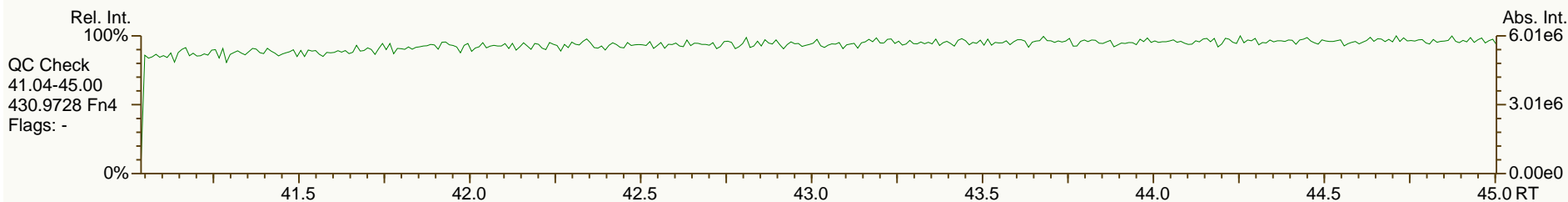
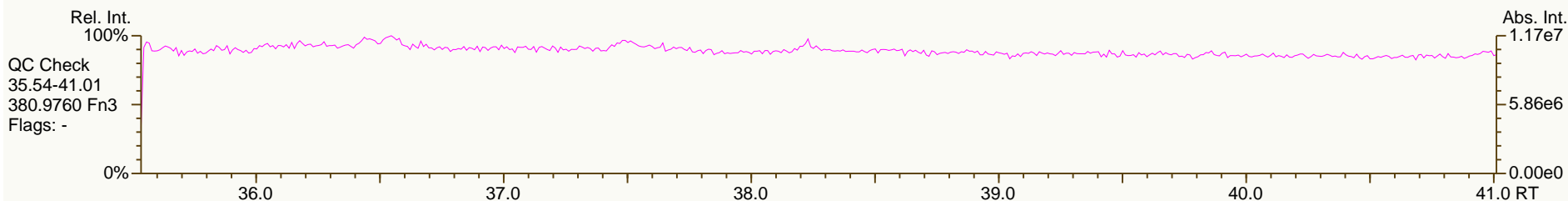
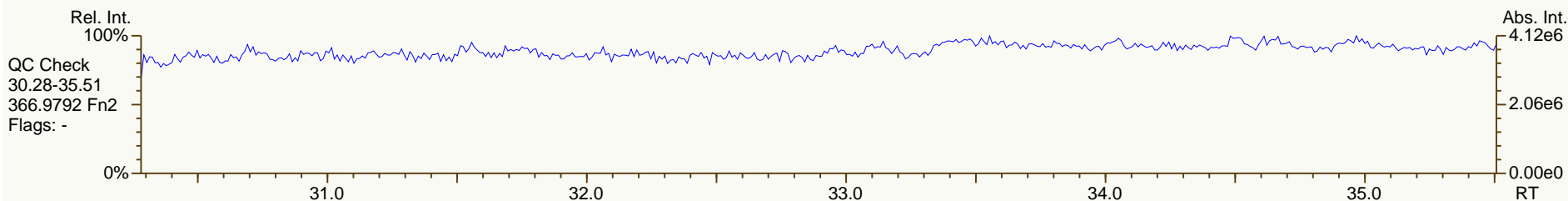
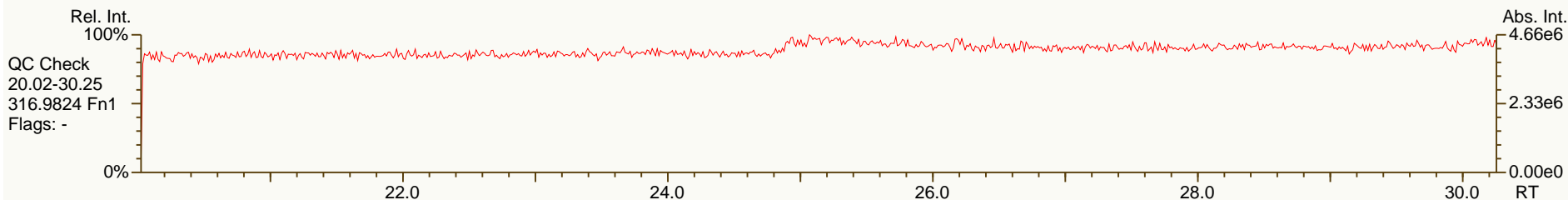
Checkcode: 352-196-TPL

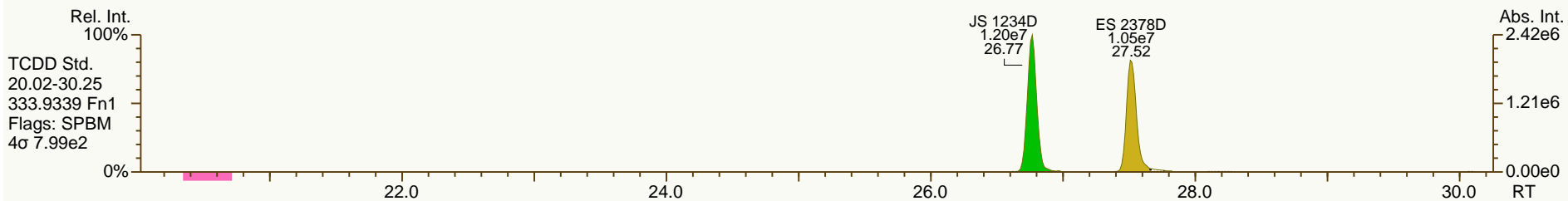
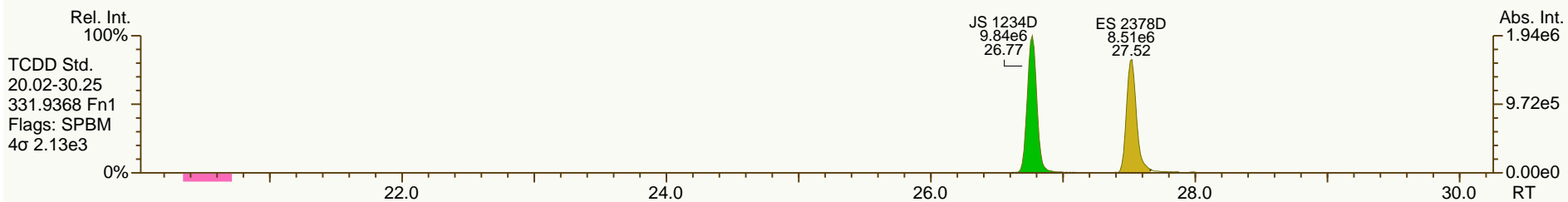
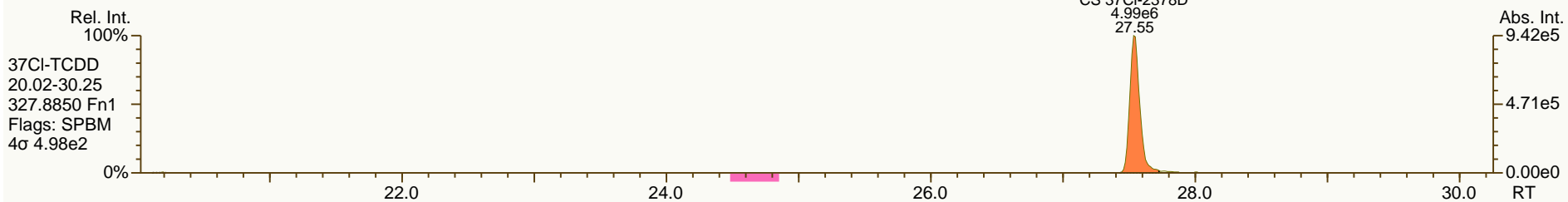
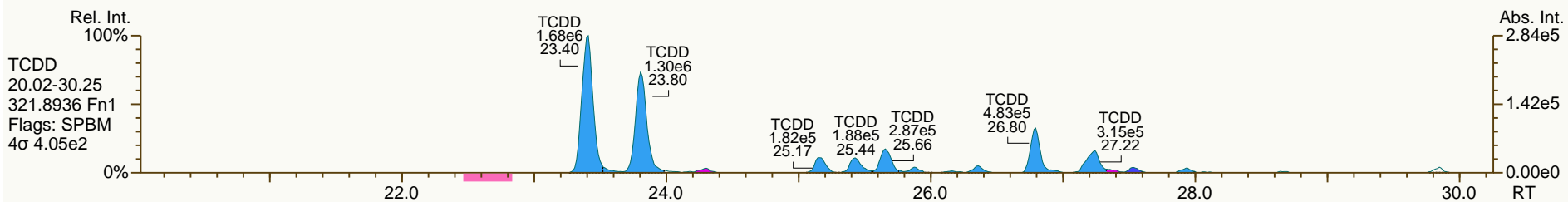
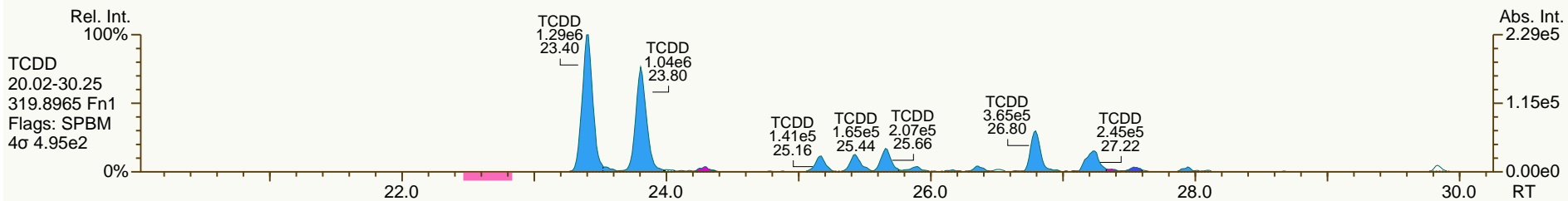
Datafile: 121028P1-06

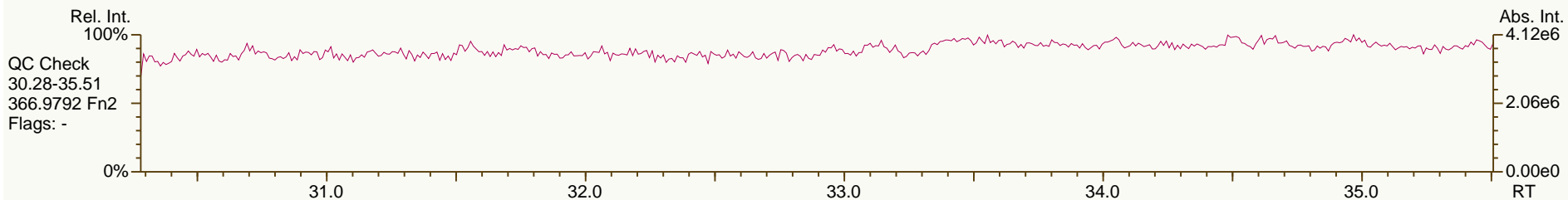
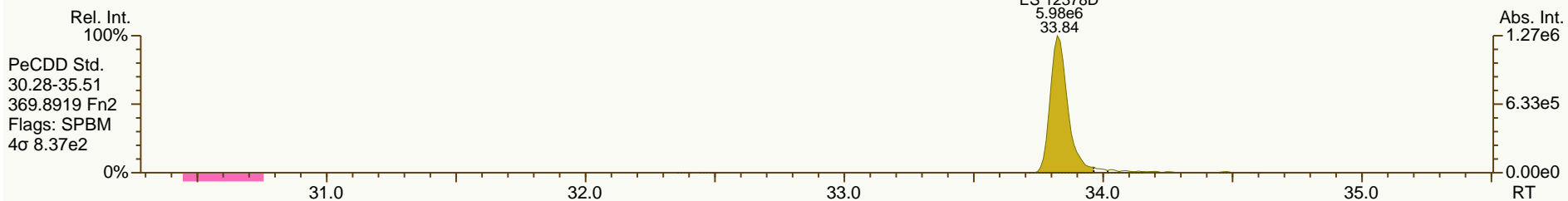
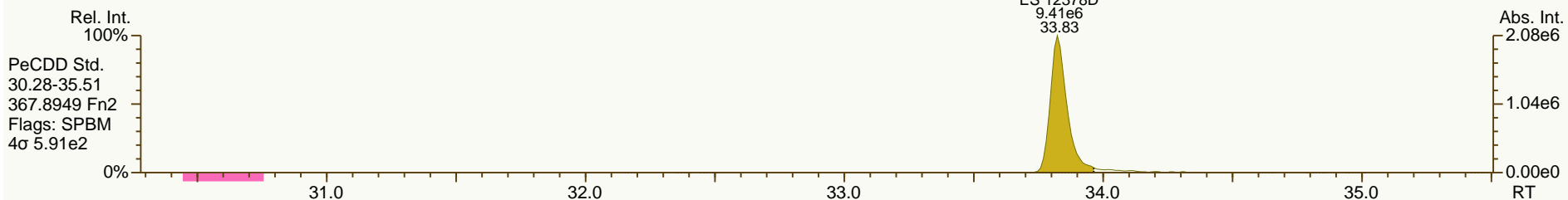
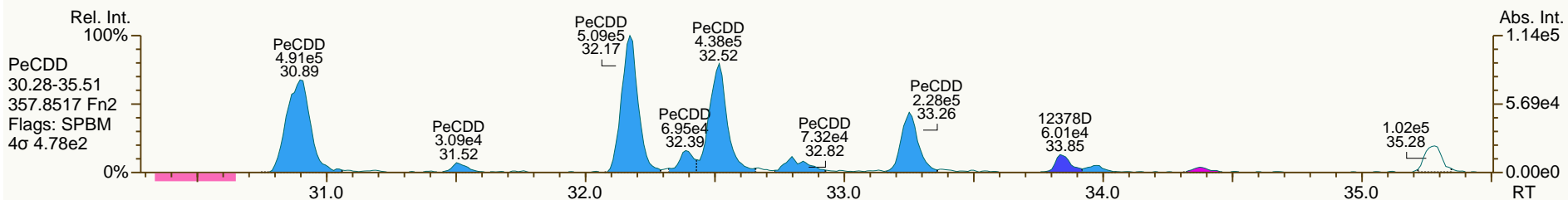
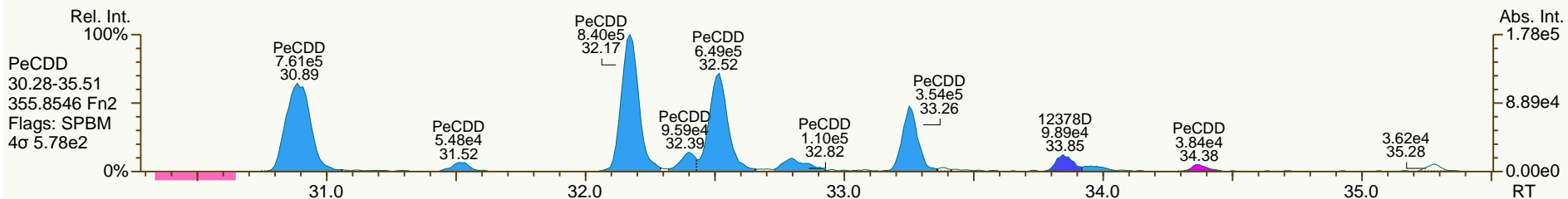
Report: 29 Oct 2012 13:42 MC

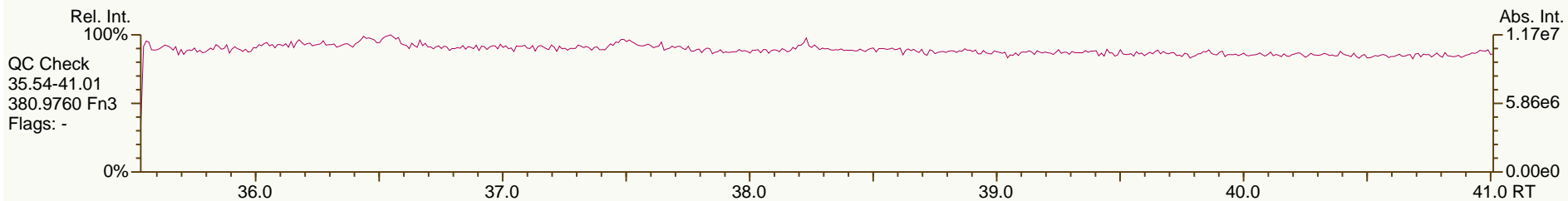
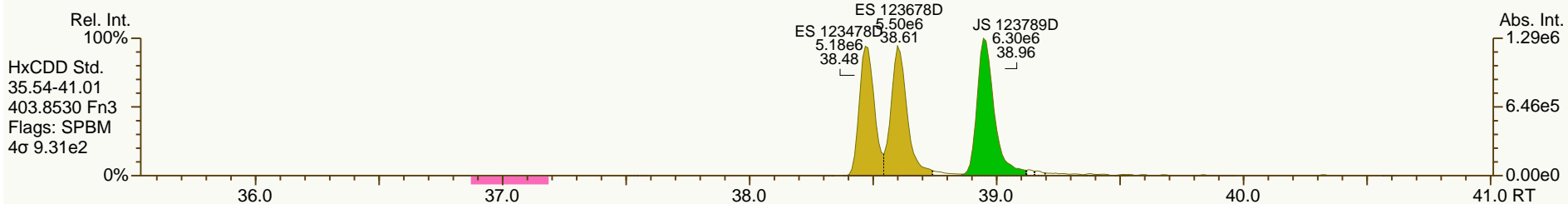
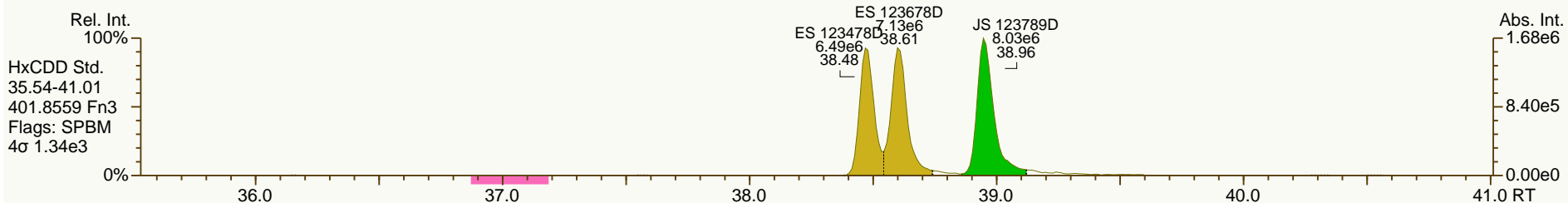
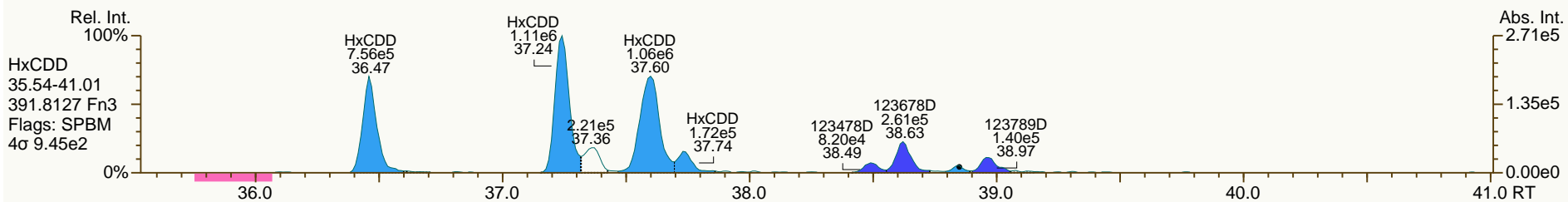
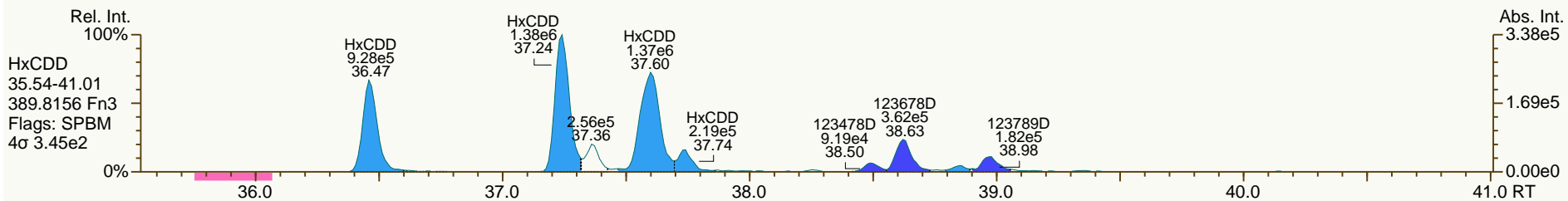
Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

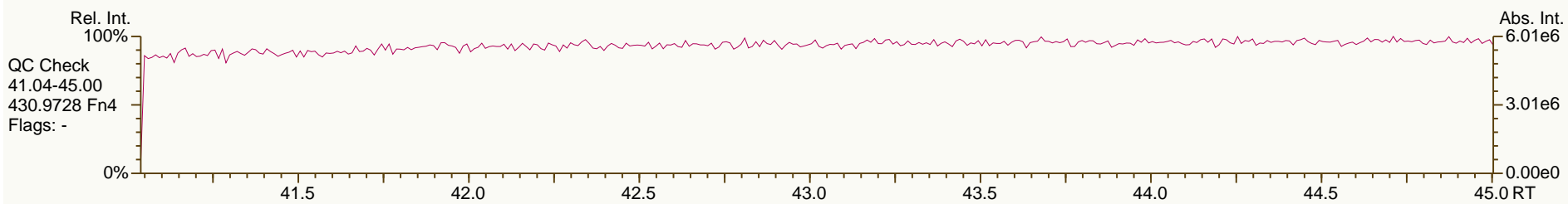
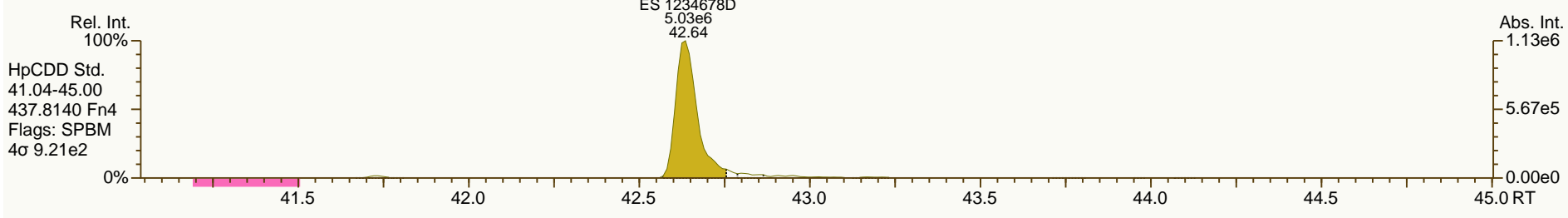
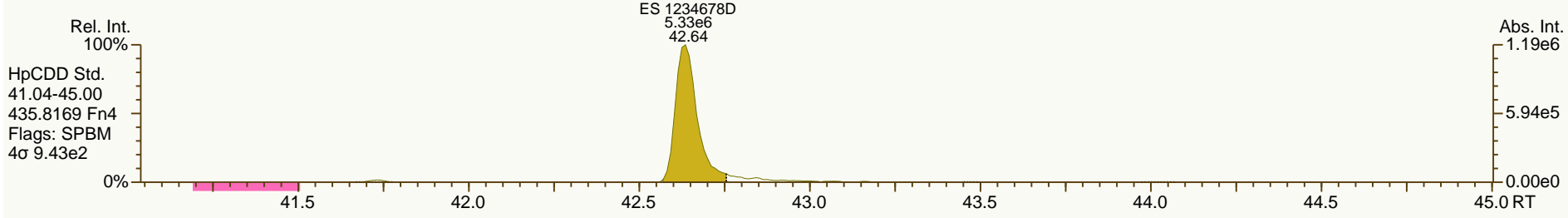
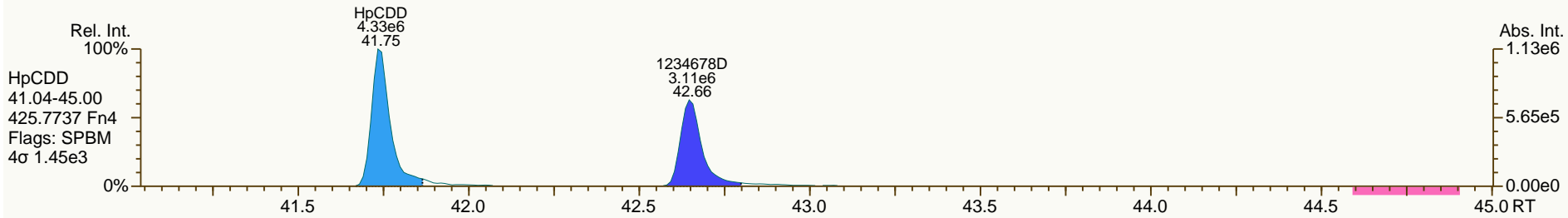
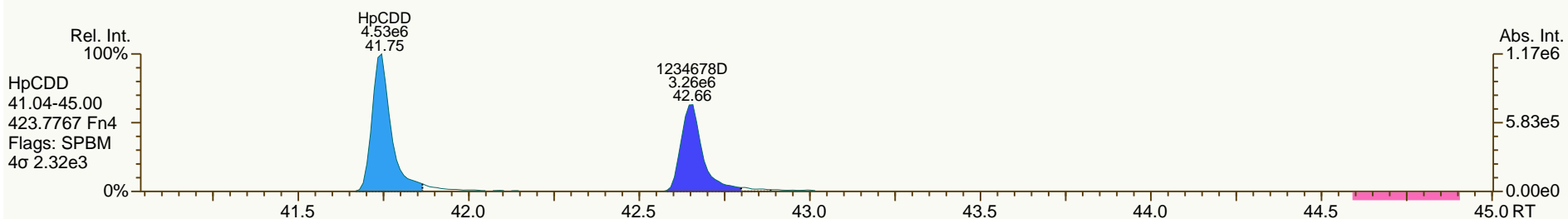
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
PeCDF	31.59		0.9847	0.9841	-1.2	3.36E+05	1.40	Y	1.00	2.51	1157	0.1
PeCDF	31.67		0.9870	0.9867	-0.6	7.38E+04	1.29	N	1.00	0.551	1157	0.1
PeCDF	31.87		0.9930	0.9927	-0.6	6.18E+04	1.81	N	1.00	0.462	1157	0.1
12378-PeCDF	32.12		1.0007	1.0005	-0.4	2.08E+05	1.58	Y	0.99	1.63	1157	0.109
PeCDF	32.44		1.0113	1.0107	-1.2	2.56E+05	1.44	Y	1.00	1.91	1157	0.1
PeCDF	NotFnd		1.0169						1.00		1157	0.1
PeCDF	33.13		0.9917	0.9915	-0.4	3.30E+04	1.39	Y	1.00	0.247	1157	0.1
PeCDF	33.29		0.9962	0.9962	0	1.51E+05	1.34	Y	1.00	1.13	1157	0.1
23478-PeCDF	33.45		1.0006	1.0010	+0.8	3.90E+05	1.36	Y	1.02	2.79	1157	0.0925
PeCDF	NotFnd		0.0000						1.02		0	0
PeCDF	NotFnd		1.0023						1.00		1157	0.1
PeCDF	NotFnd		1.0120						1.00		1157	0.1
PeCDF	NotFnd		1.0389						1.00		1157	0.1
HxCDF	35.68		0.9565	0.9562	-0.7	4.87E+05	1.22	Y	1.15	4.91	1038	0.113
HxCDF	35.91		0.9627	0.9625	-0.4	1.49E+06	1.26	Y	1.15	15	1038	0.113
HxCDF	36.18		0.9700	0.9696	-0.9	2.10E+04	1.79	N	1.15	0.212	1038	0.113
HxCDF	36.42		0.9762	0.9761	-0.2	7.09E+04	1.17	Y	1.15	0.715	1038	0.113
HxCDF	36.69		0.9833	0.9834	+0.2	1.50E+06	1.24	Y	1.15	15.1	1038	0.113
HxCDF	37.18		0.9968	0.9966	-0.4	6.46E+04	1.39	Y	1.15	0.651	1038	0.113
123478-HxCDF	37.33		1.0006	1.0005	-0.2	2.36E+05	1.33	Y	1.19	2.47	1038	0.11
123678-HxCDF	37.49		1.0005	1.0004	-0.2	2.08E+05	1.16	Y	1.16	1.74	1038	0.0929
HxCDF	NotFnd		1.0055						1.15		1038	0.113
HxCDF	37.85		1.0102	1.0100	-0.4	2.24E+04	1.30	Y	1.15	0.225	1038	0.113
HxCDF	NotFnd		0.9933						1.15		1038	0.113
234678-HxCDF	38.27		1.0006	1.0003	-0.7	2.63E+05	1.39	Y	1.18	2.43	1038	0.101
HxCDF	NotFnd		0.0000						1.18		0	0
HxCDF	NotFnd		1.0009						1.15		1038	0.113
123789-HxCDF	NotFnd		1.0005						1.09		1038	0.163
HxCDF	NotFnd		0.0000						1.09		0	0
123489-HxCDF	39.44		1.0013	1.0014	+0.2	3.89E+04	1.16	Y	1.15	0.392	1038	0.113
1234678-HpCDF	41.38		1.0004	1.0003	-0.2	1.89E+06	1.06	Y	1.35	22.3	1552	0.19
HpCDF	41.74		1.0091	1.0091	0	6.74E+04	1.06	Y	1.34	0.888	1552	0.231
HpCDF	41.93		1.0140	1.0136	-1.0	2.83E+06	1.05	Y	1.34	37.3	1552	0.231
1234789-HpCDF	43.26		1.0004	1.0000	-1.0	8.24E+04	0.97	Y	1.34	1.23	1552	0.282
OCDF	46.65		1.0057	1.0055	-0.6	1.68E+06	0.91	Y	1.40	36.4	714	0.229
OCDF-a	NotFnd		1.0053						1.00		1055	0.471

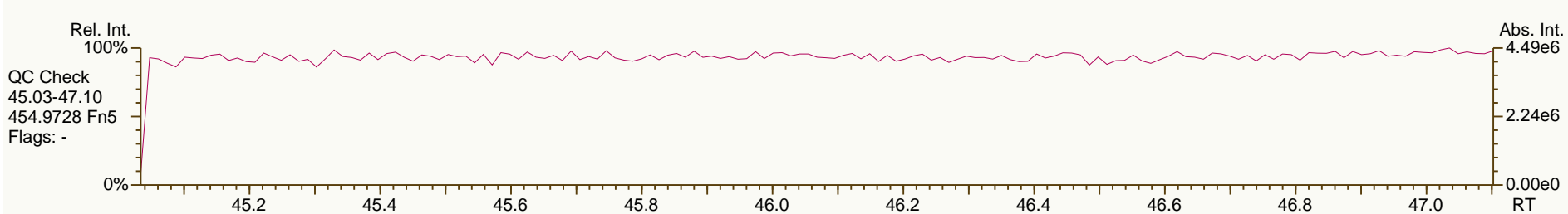
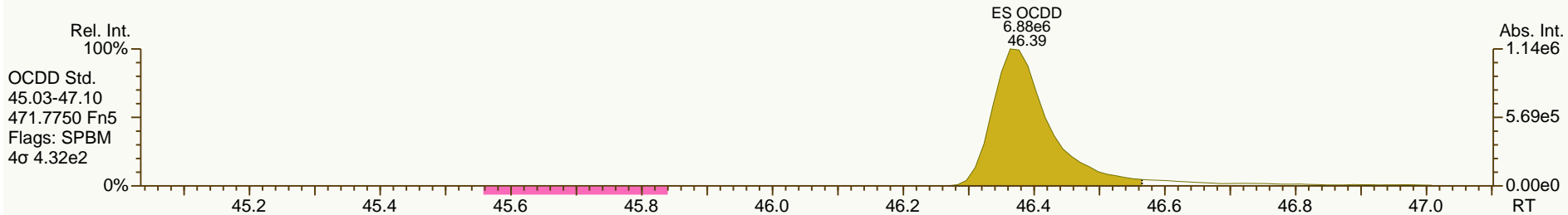
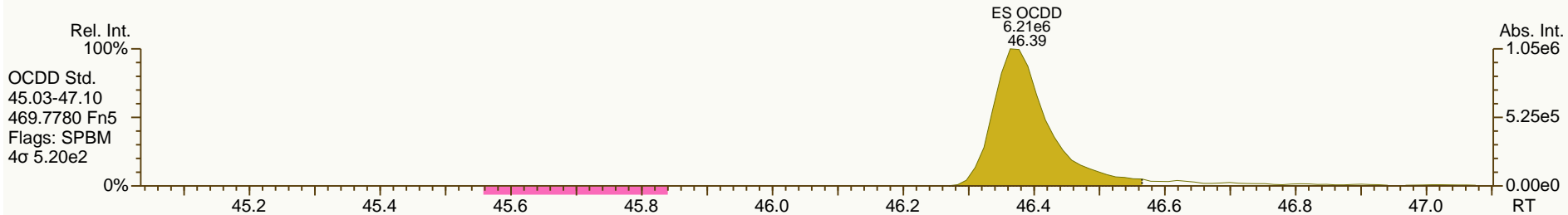
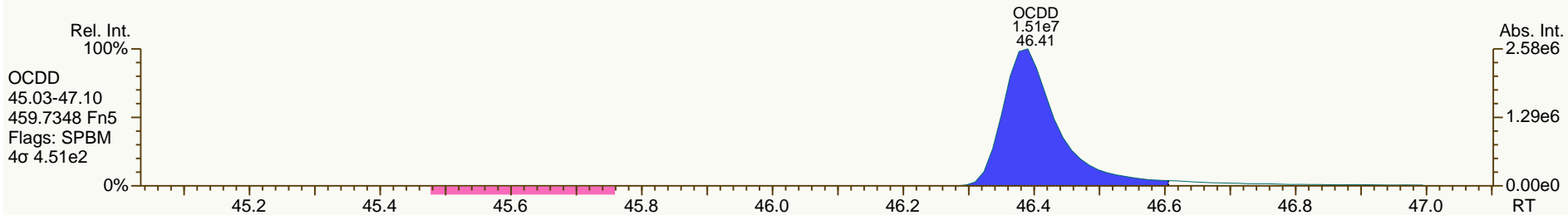
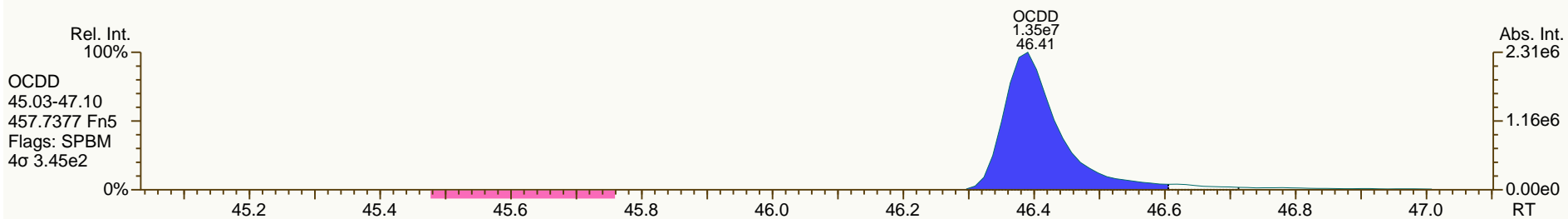


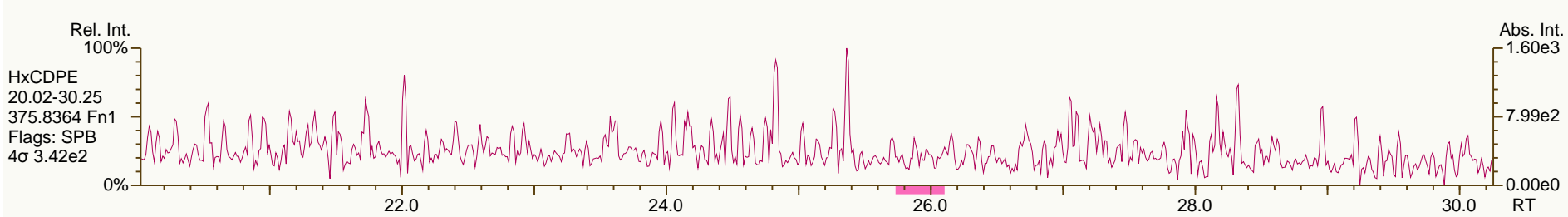
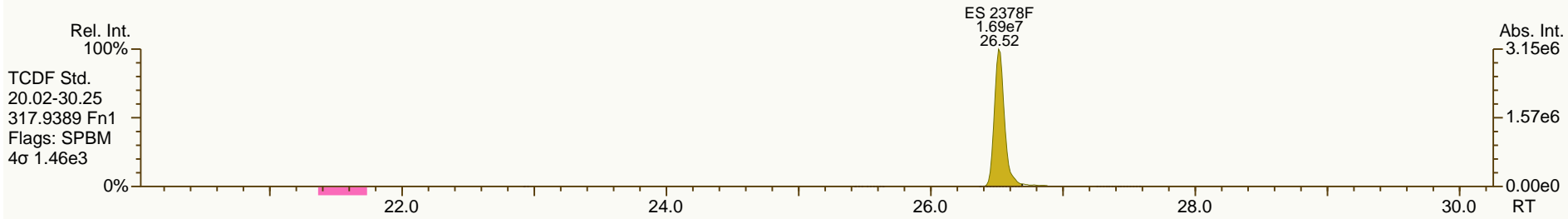
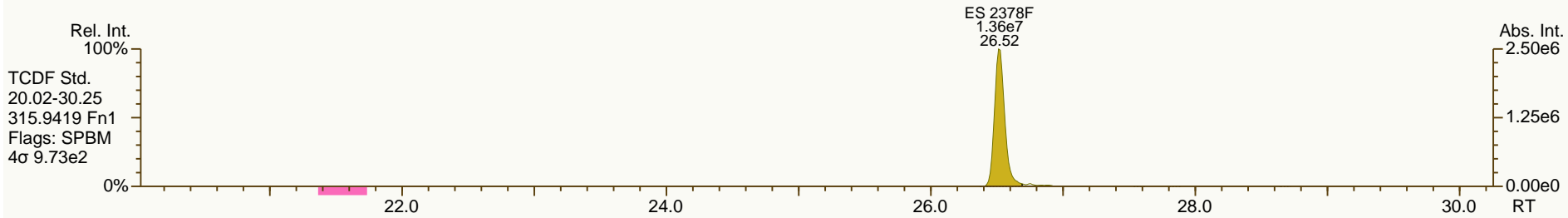
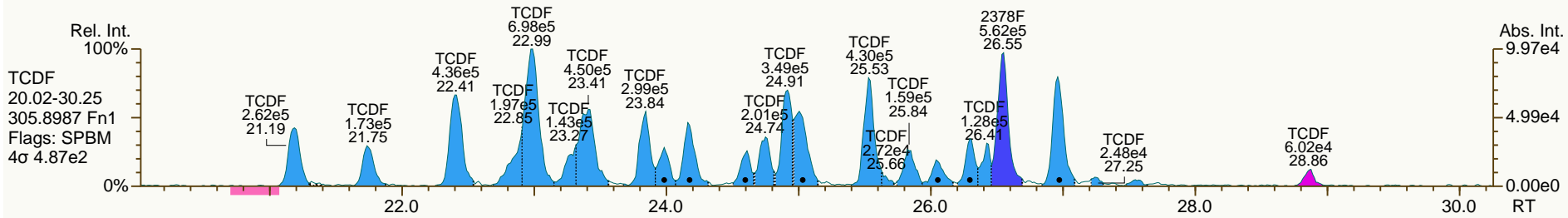
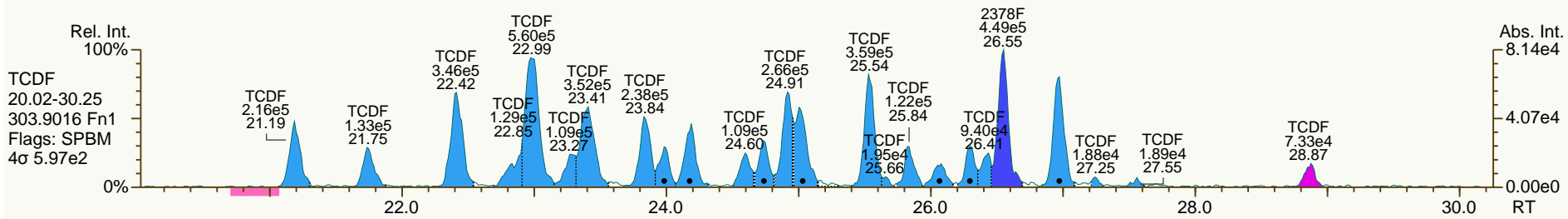


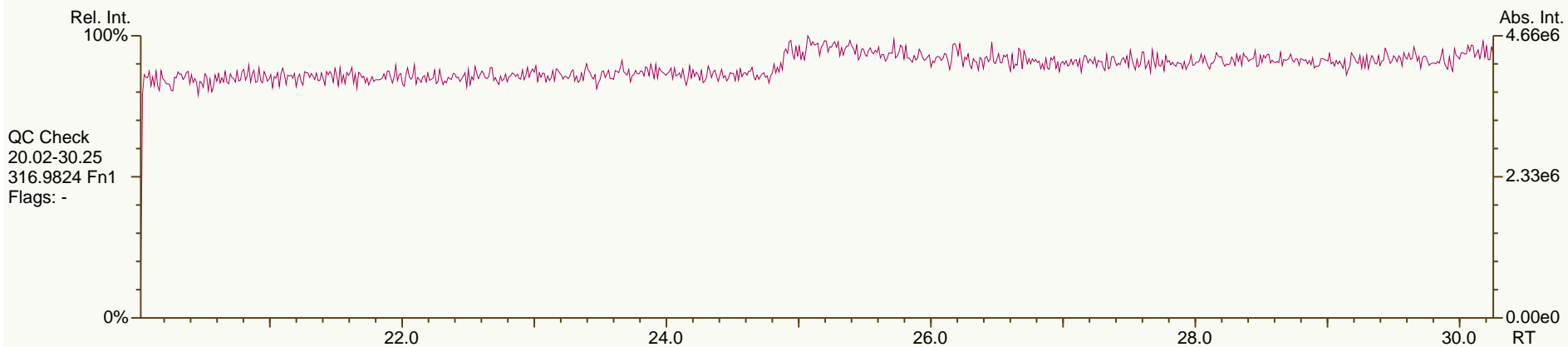
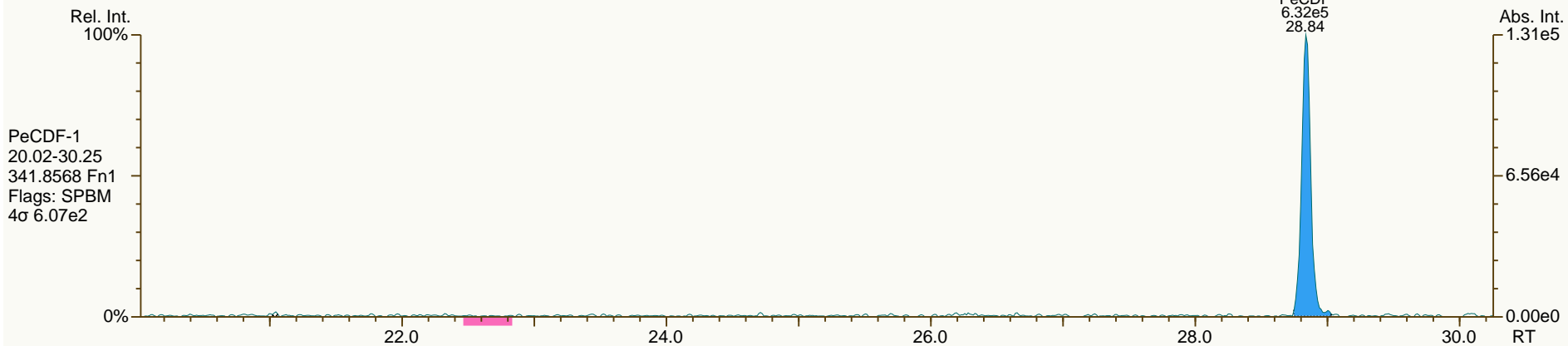
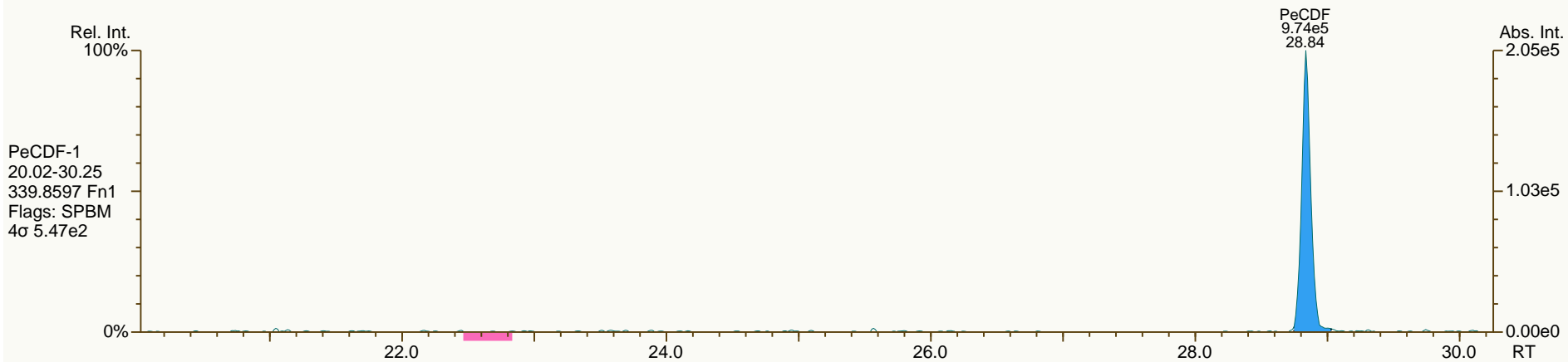


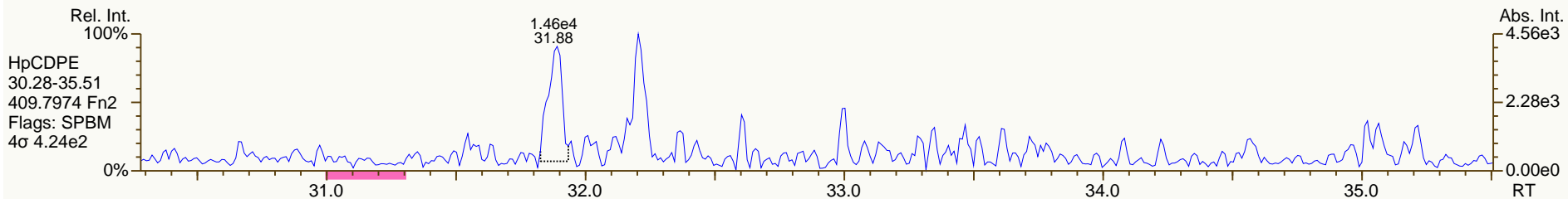
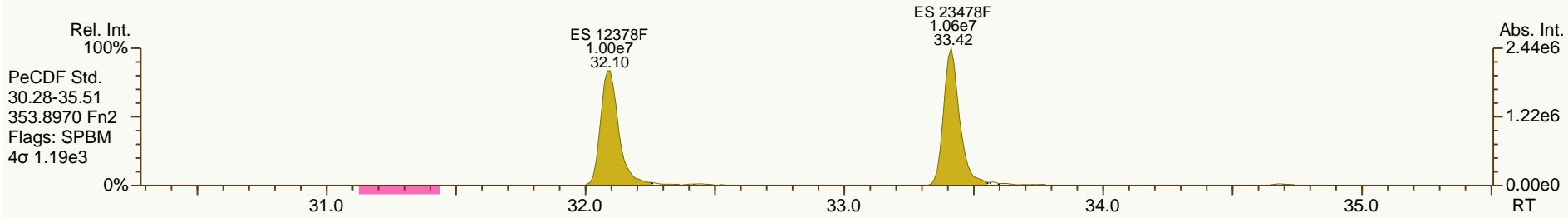
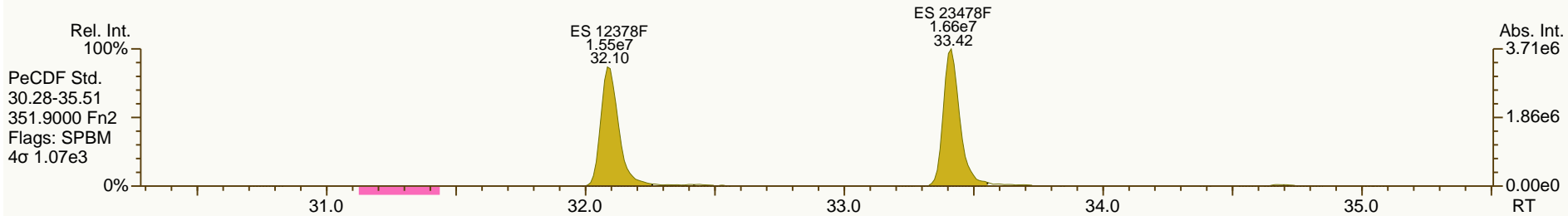
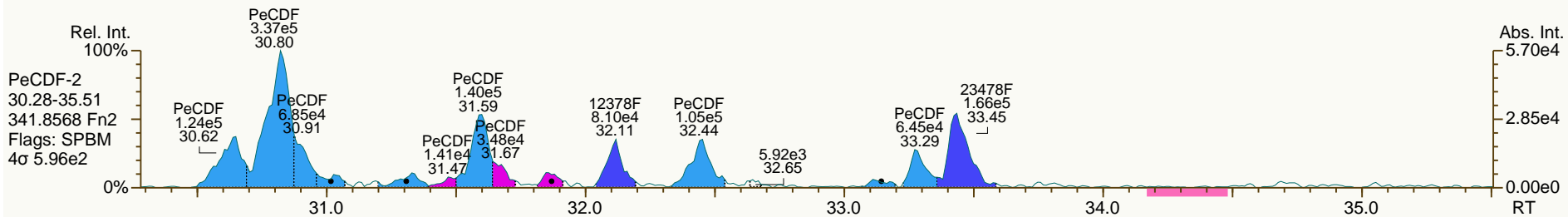
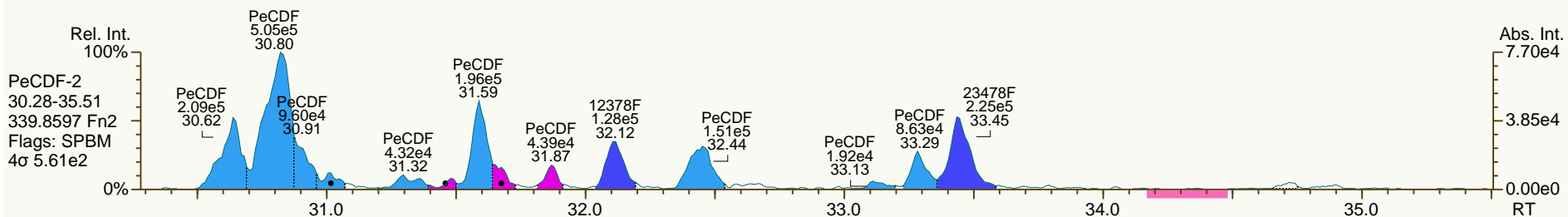


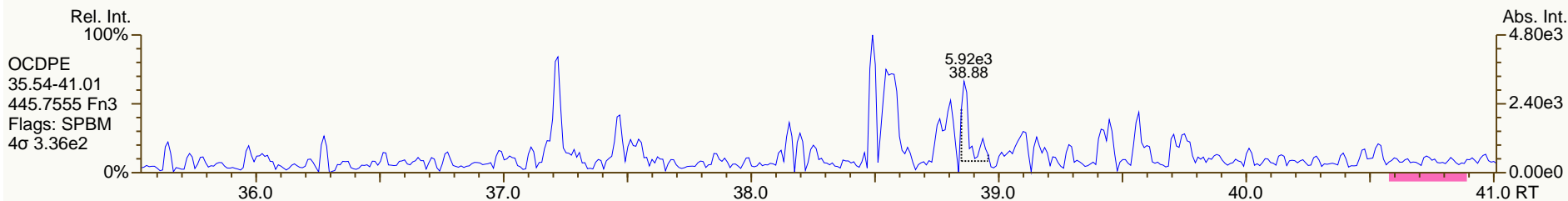
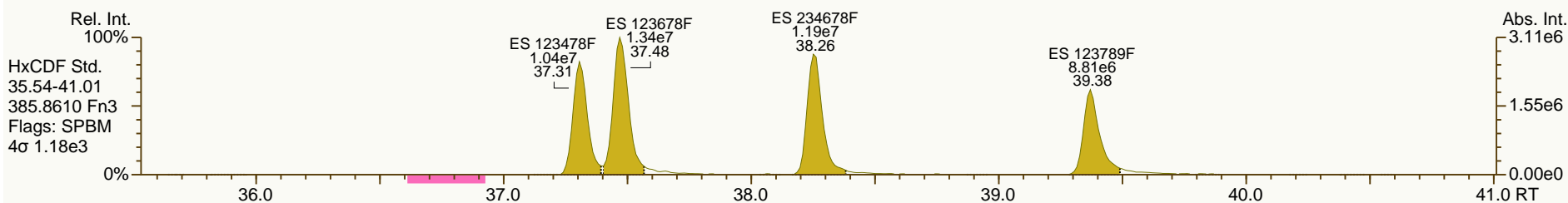
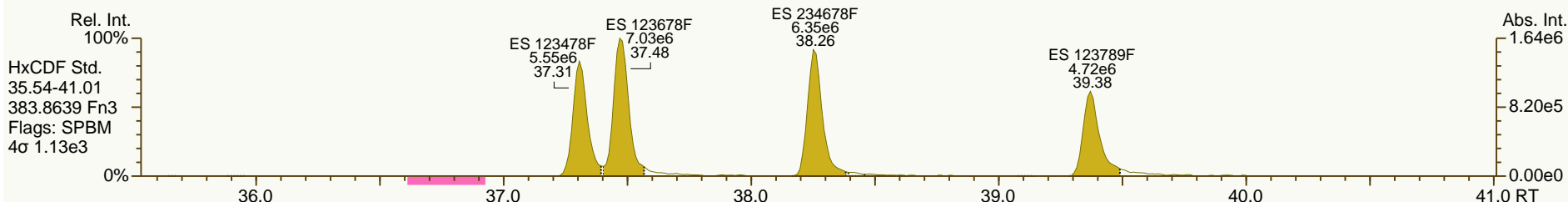
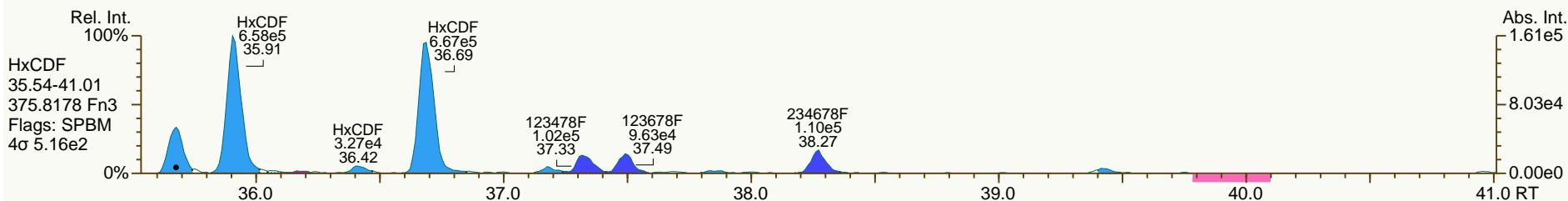
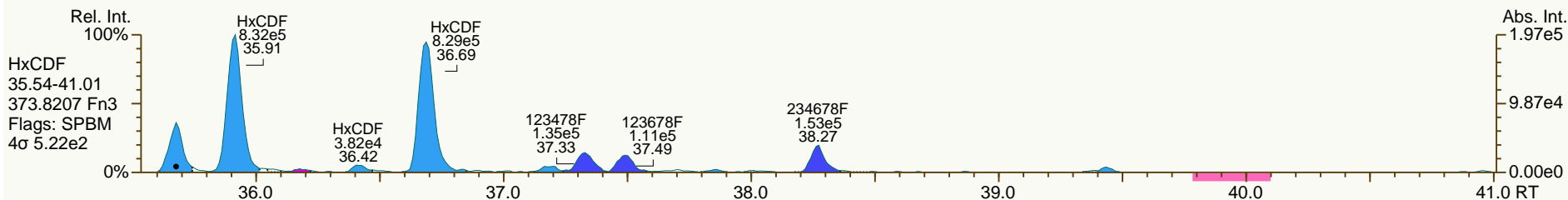


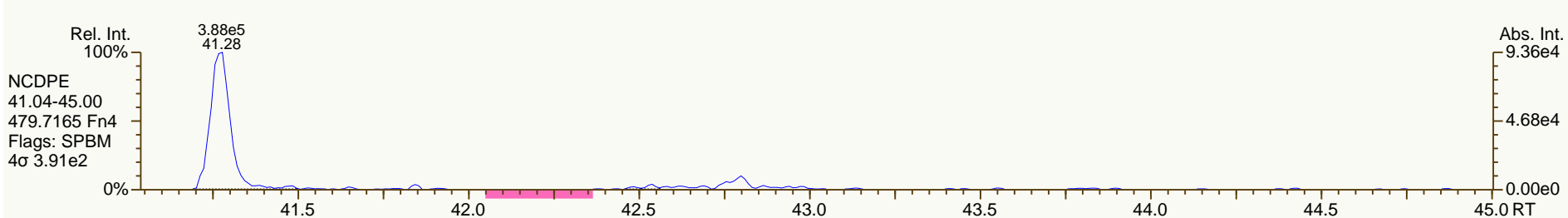
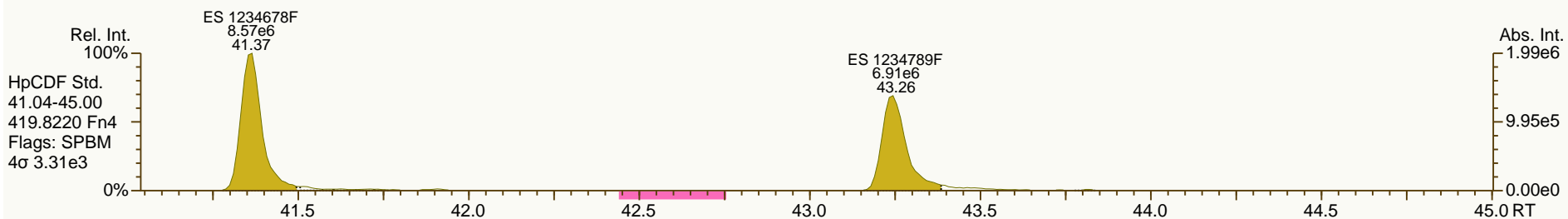
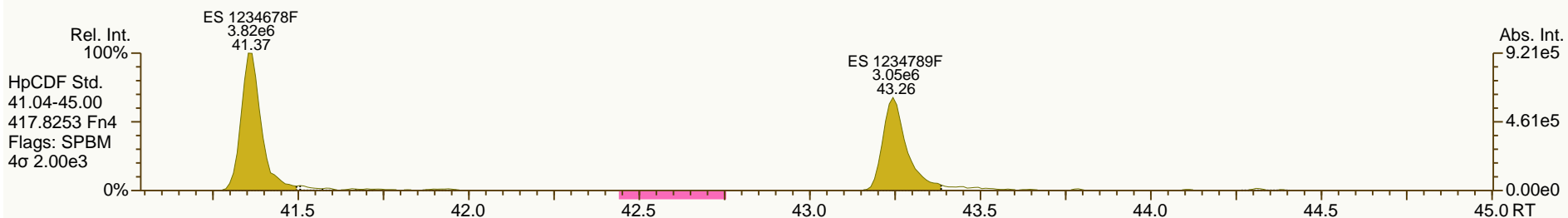
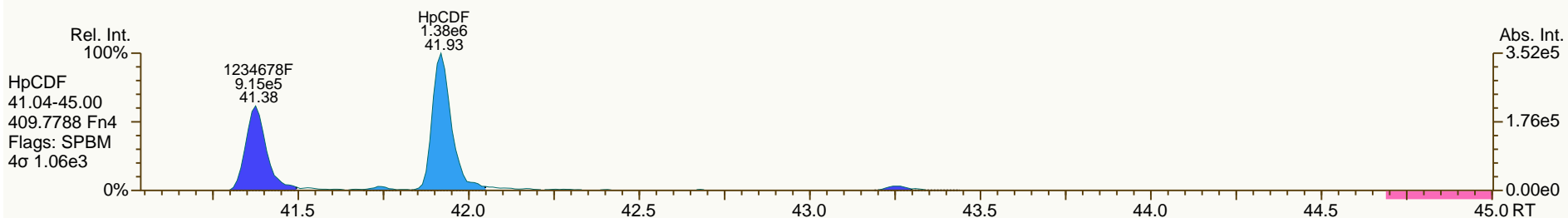
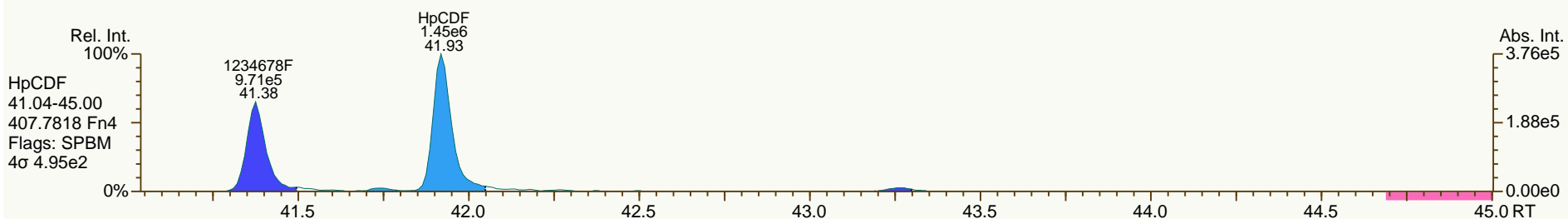


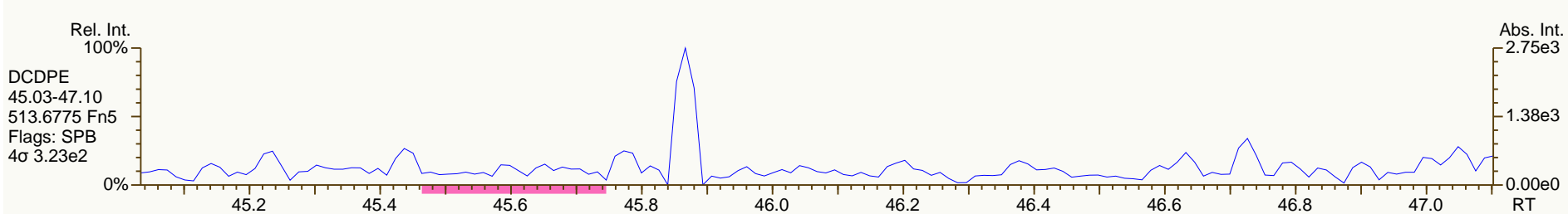
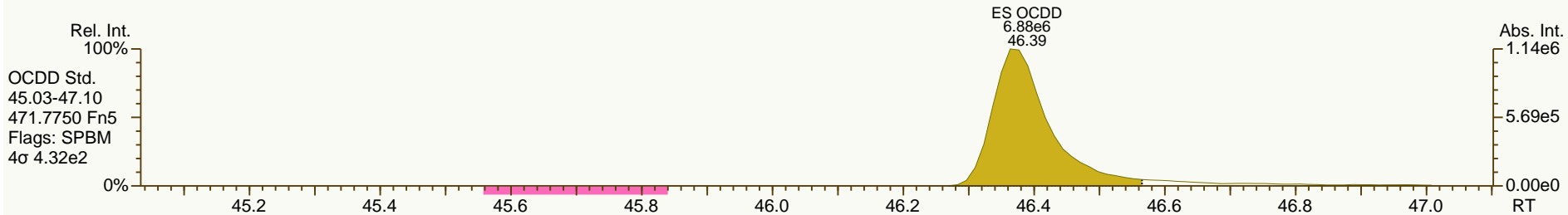
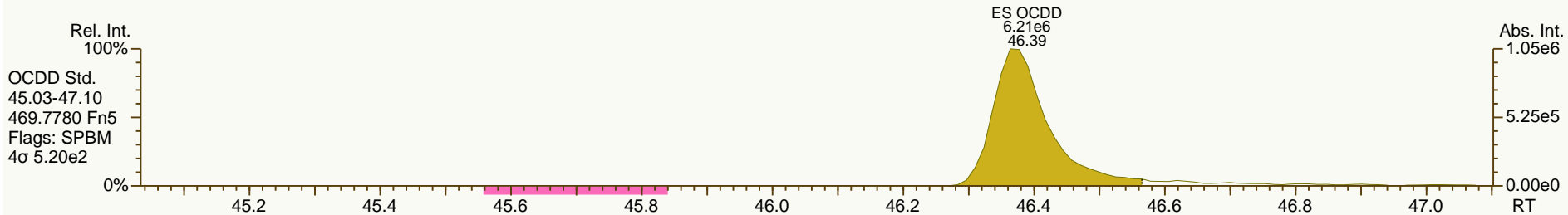
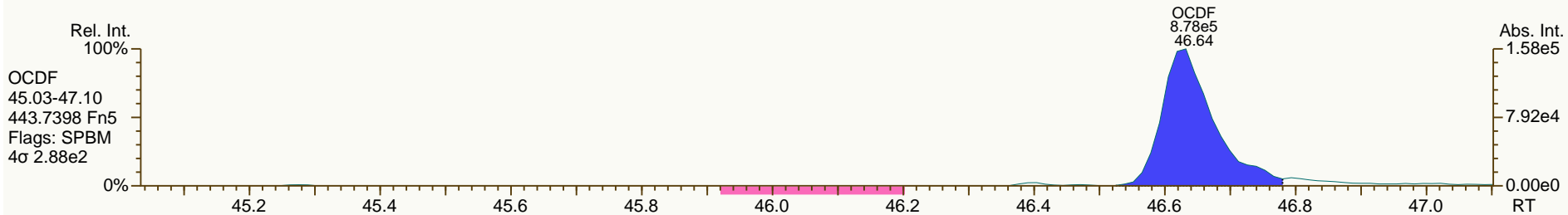
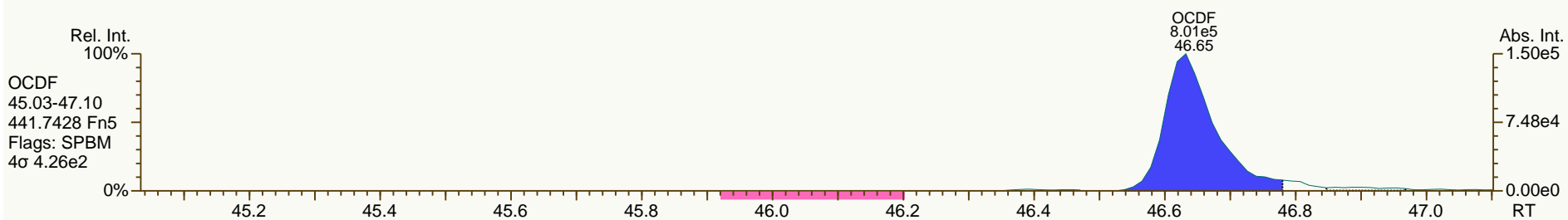












Quantify Sample Summary Report

MassLynx 4.1

Confirms Sample Summary

Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time

Printed: Wednesday, 11/14/2012 10:57:37 AM Eastern Standard Time

Tm 11-14-12

Method: C:\MassLynx\Default.PRO\MethDB\VFxms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-6 ✓

Date: 13-Nov-2012 ✓

Time: 15:07:29 ✓

ID: 31203251004 ✓

User: JHL

Submitter:

Task: HRMS3

	Name	Response	Ion1Area	Ion2Area	RA	RAFail?	MRRF	RT	Conc	EDL	SN1	SN2	M	Height1	Noise1	Height2	Noise2	Smp Size	FV
1	2378-TCDF	8.843e3	4.186e3	4.657e3	0.90	YES	1.218	21.24 ✓	3.124	0.2225	34.6	36.5	MM	5.388e4	1558	6.261e4	1716	16.93	20
2	ES:13C-2378-TCDF	2.746e5	1.221e5	1.525e5	0.80	NO	1.655	21.22 ✓	98.305	0.4691	476.1	634.4	bb	1.586e6	3332	2.045e6	3223	16.93	20
3	JS:13C-1234-TCDD	1.994e5	8.607e4	1.133e5	0.76	NO	1.000	21.11 ✓	118.133	0.8007	305.9	452.3	bb	1.077e6	3519	1.466e6	3241	16.93	20
4	Tetrafurans	-	2.729e4	-	-	-	1.218	-	20.327	0.2225	-	-	-	3.536e5	1558	-	-	16.93	20
5	F1 Lock Mass	-	-	-	-	-	-	-	-	-	-	-	-	-	112113	-	-	1.00	1

$$[TCDF] = \frac{8.843e3}{2.746e5} \left(\frac{2000 \mu g}{16.93g \times 0.5974} \right) \left(\frac{1}{1.21803} \right) = 5.23 \mu g/g$$

Tm 11-14-12

Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time

Printed: Wednesday, 11/14/2012 10:57:37 AM Eastern Standard Time

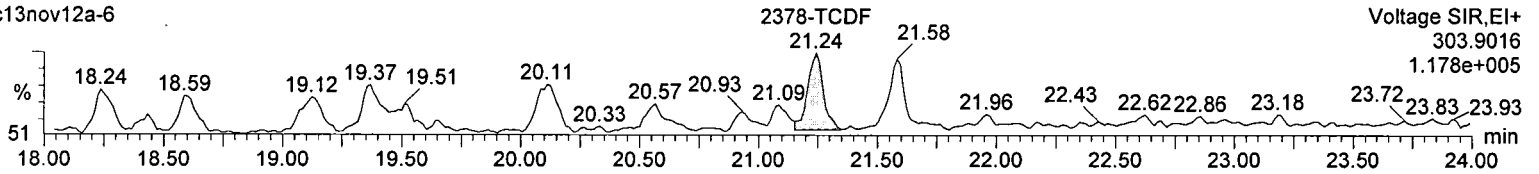
Method: C:\MassLynx\Default.PRO\MethDB\VFxms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-6, ID: 31203251004

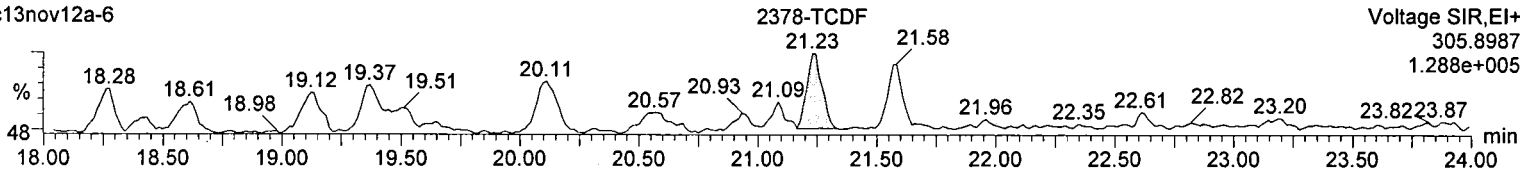
TCDF

c13nov12a-6



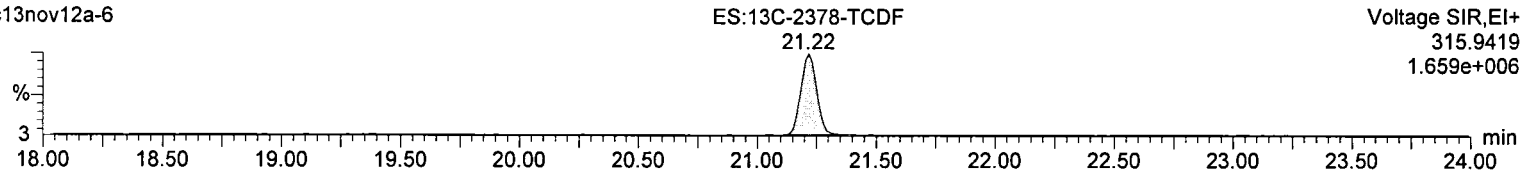
TCDF

c13nov12a-6



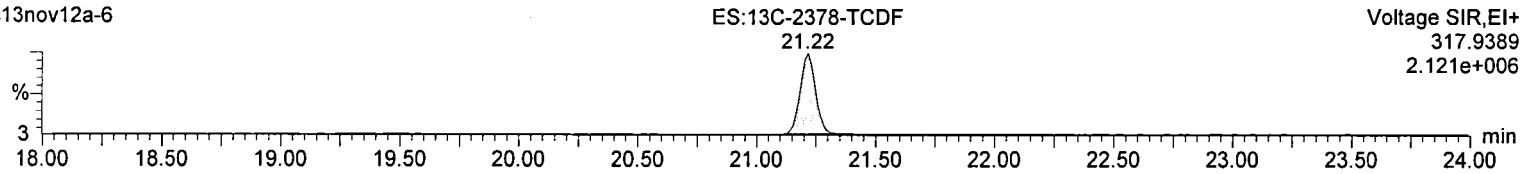
13C-TCDF

c13nov12a-6



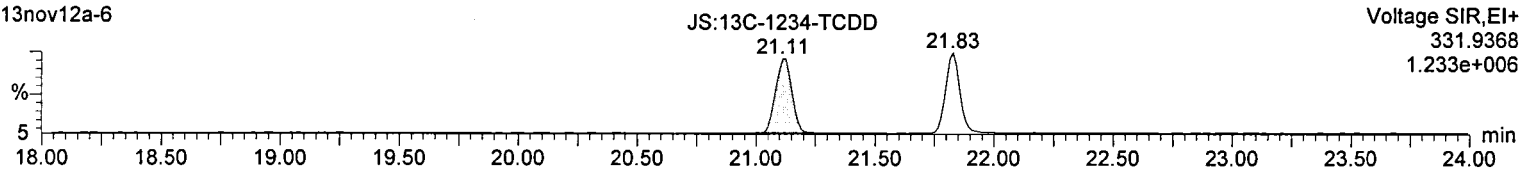
13C-TCDF

c13nov12a-6



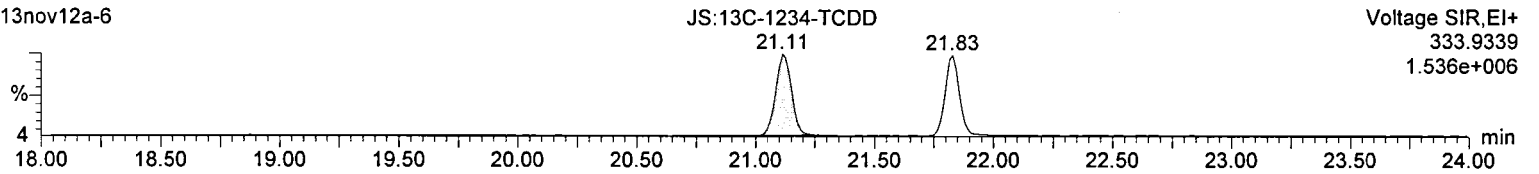
13C-TCDD

c13nov12a-6



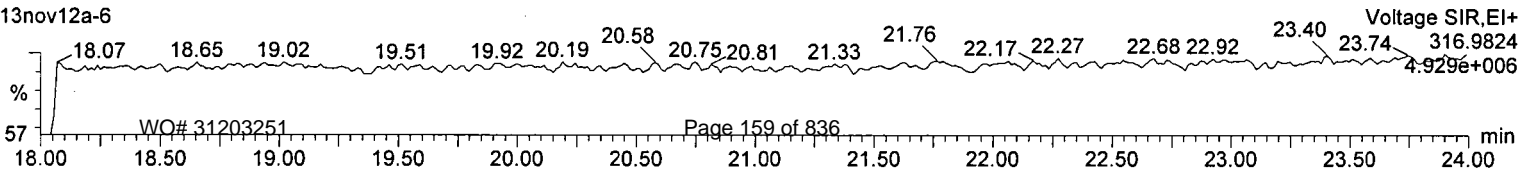
13C-TCDD

c13nov12a-6



F1 Lock Mass

c13nov12a-6



Quantify Sample Report
Manual Integration

MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time
Printed: Wednesday, 11/14/2012 10:59:59 AM Eastern Standard Time

*MM
PC 11/14/12*

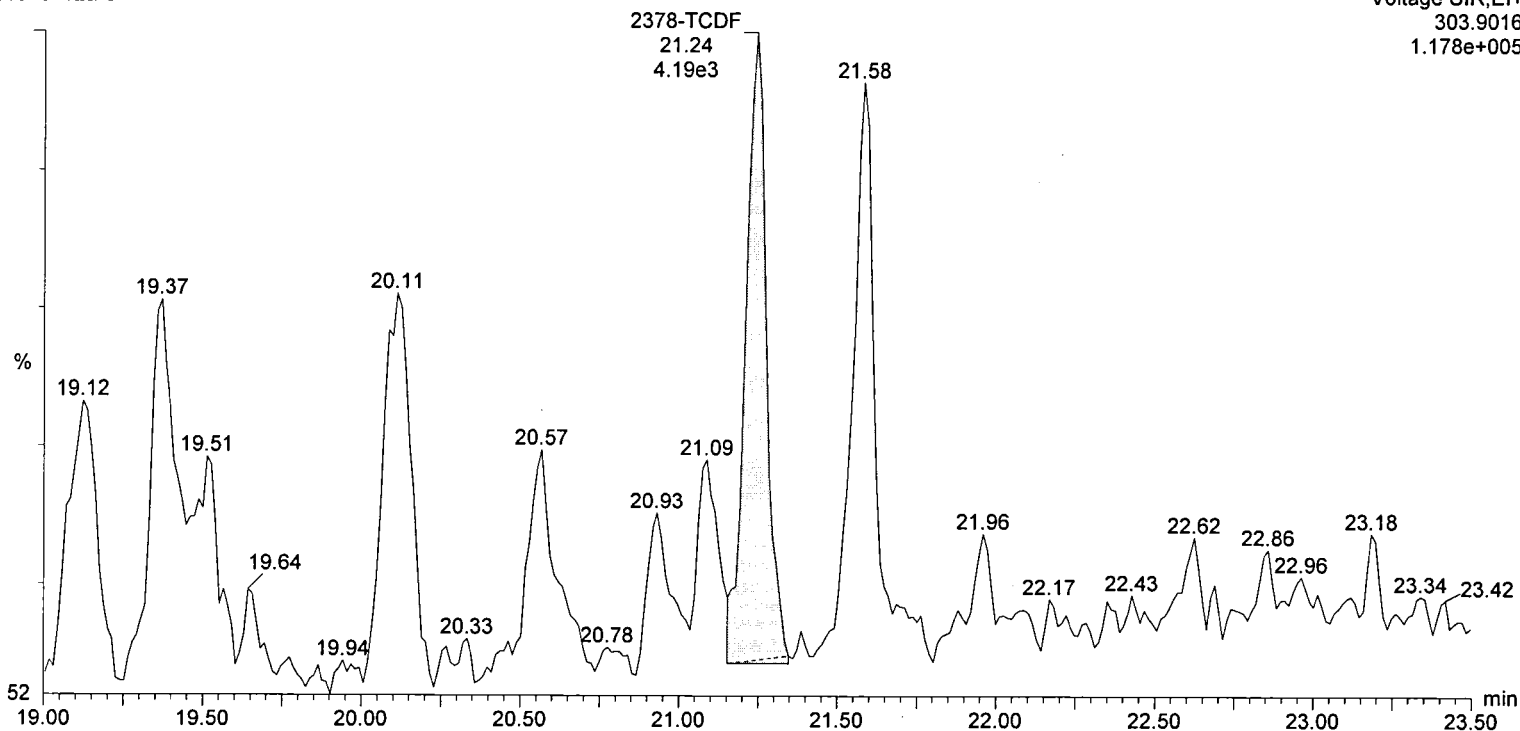
Method: C:\MassLynx\Default.PRO\MethDB\VFxms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11
Calibration: C:\MassLynx\Default.PRO\CurveDB\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-6, ID: 31203251004

TCDF

c13nov12a-6

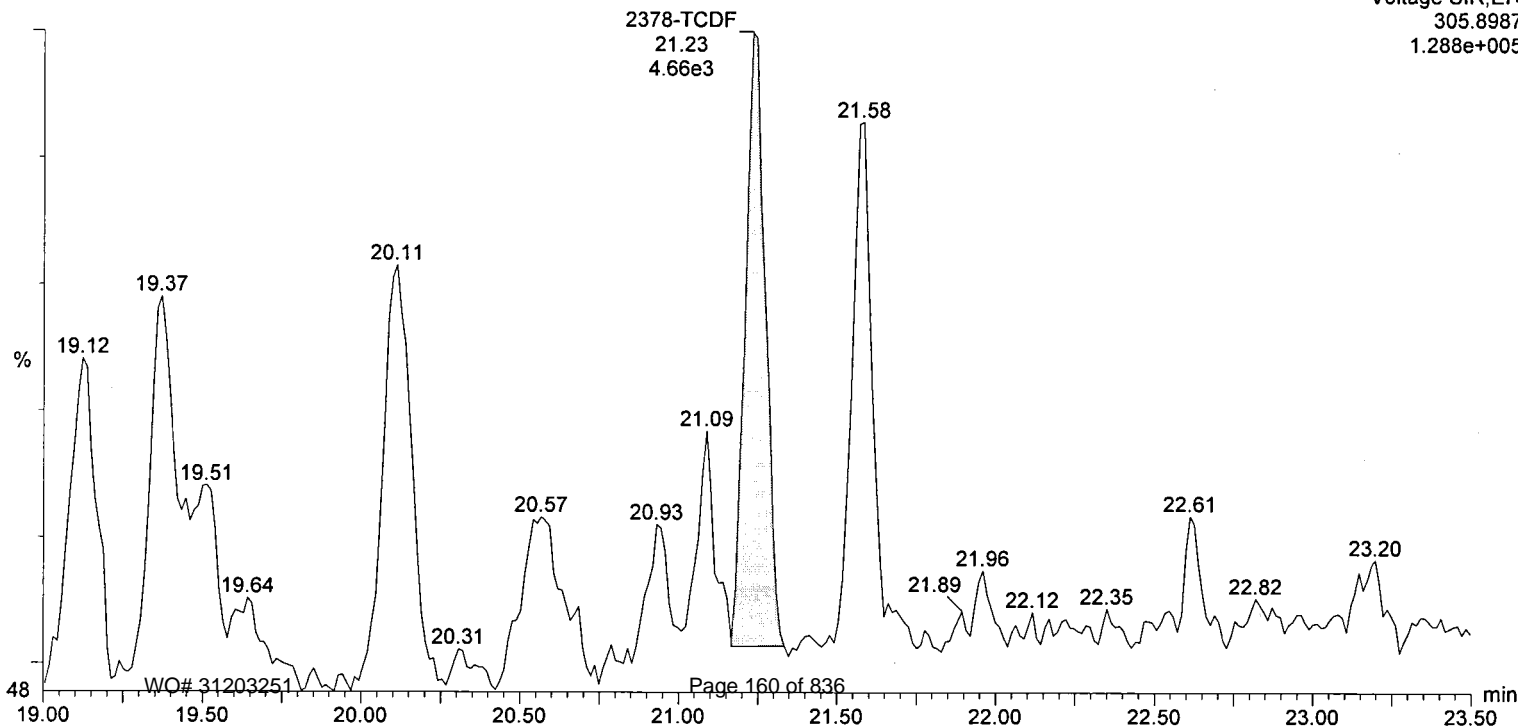
Voltage SIR,EI+
303.9016
1.178e+005



TCDF

c13nov12a-6

Voltage SIR,EI+
305.8987
1.288e+005



Results of JW-EA10-SS41-120507

Client Sample ID: **JW-EA10-SS41-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251005-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 12:44
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 64.70

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
2,3,7,8-TCDD	0.785			0.0600	0.491	pg/g	27.53	0.70
1,2,3,7,8-PeCDD	1.48		J	0.0983	2.46	pg/g	33.83	1.51
1,2,3,4,7,8-HxCDD	2.21		J	0.212	2.46	pg/g	38.47	1.22
1,2,3,6,7,8-HxCDD	9.33			0.229	2.46	pg/g	38.61	1.23
1,2,3,7,8,9-HxCDD	5.20			0.222	2.46	pg/g	38.95	1.22
1,2,3,4,6,7,8-HpCDD	117			0.583	2.46	pg/g	42.64	1.04
OCDD	1020			0.147	4.91	pg/g	46.40	0.90
2,3,7,8-TCDF	4.79			0.0538	0.491	pg/g	26.54	0.83
2,3,7,8-TCDF [confirm]	4.04			0.344	1.88	pg/g	21.26	0.86
1,2,3,7,8-PeCDF	1.90		J	0.0838	2.46	pg/g	32.10	1.43
2,3,4,7,8-PeCDF	2.68			0.0732	2.46	pg/g	33.43	1.49
1,2,3,4,7,8-HxCDF	2.45		J	0.0756	2.46	pg/g	37.31	1.35
1,2,3,6,7,8-HxCDF	1.58		J DPE	0.0645	2.46	pg/g	37.47	1.18
2,3,4,6,7,8-HxCDF	2.30		J	0.0686	2.46	pg/g	38.25	1.28
1,2,3,7,8,9-HxCDF	ND		U	0.112	2.46	pg/g		
1,2,3,4,6,7,8-HpCDF	20.9			0.143	2.46	pg/g	41.36	1.04
1,2,3,4,7,8,9-HpCDF	1.38		J	0.200	2.46	pg/g	43.25	1.07
OCDF	36.3			0.148	4.91	pg/g	46.63	0.87
Total TCDD	53.2	54.0		0.0600	0.491	pg/g		
Total TCDF	57.5	58.1		0.0538	0.491	pg/g		
Total PeCDD	46.7			0.0983	2.46	pg/g		
Total PeCDF	33.0	34.0	DPE	0.0782	2.46	pg/g		
Total HxCDD	120			0.221	2.46	pg/g		
Total HxCDF	43.6	43.8	DPE	0.0780	2.46	pg/g		
Total HpCDD	266			0.583	2.46	pg/g		
Total HpCDF	61.0			0.169	2.46	pg/g		

World Health Organization Summary

	<u>Units</u>	<u>ND=0</u>	<u>ND=½</u>	<u>ND=DL</u>
WHO-2005 TEQ	pg/g	7.55	7.55	7.56
WHO-2005 TEQ w/EMPC	pg/g	7.55	7.55	7.56

Results of JW-EA10-SS41-120507

Client Sample ID: **JW-EA10-SS41-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251005-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 12:44
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 64.70

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
13C-2378-TCDF	89.0				24.0-169	%		
13C-2378-TCDD	93.0				25.0-164	%		
13C-12378-PeCDD	83.0				25.0-181	%		
13C-123478-HxCDD	84.0				32.0-141	%		
13C-123678-HxCDD	81.0				28.0-130	%		
13C-1234678-HpCDD	99.0				23.0-140	%		
13C-OCDD	88.0				17.0-157	%		
13C-2378-TCDF	88.0				24.0-169	%		
13C-12378-PeCDF	74.0				24.0-185	%		
13C-23478-PeCDF	82.0				21.0-178	%		
13C-123478-HxCDF	84.0				26.0-152	%		
13C-123678-HxCDF	96.0				26.0-123	%		
13C-234678-HxCDF	94.0				29.0-147	%		
13C-123789-HxCDF	82.0				28.0-136	%		
13C-1234678-HpCDF	85.0				28.0-143	%		
13C-1234789-HpCDF	94.0				26.0-138	%		
37Cl-2378-TCDD	110				35.0-197	%		

Batch Information

Analytical Batch: **HRD1905**
 Analytical Method: **EPA 1613B**
 Instrument: **APHRMS**
 Analyst: **MDC**
 Analytical Date/Time: **10/28/2012 12:18**

Prep Batch: **HXX1816**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/16/2012 15:46**
 Prep Initial Wt./Vol.: **15.74 g**
 Prep Extract Vol: **20 uL**

Analytical Batch: **HRD1933**
 Analytical Method: **EPA 1613B**
 Instrument: **HRMS3**
 Analyst: **JHL**
 Analytical Date/Time: **11/13/2012 16:36**

Prep Batch: **HXX1816**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/16/2012 15:46**
 Prep Initial Wt./Vol.: **15.74 g**
 Prep Extract Vol: **20 uL**

Lab ID: A4723_10237_DF_001

Client ID: JW-EA10-SS41-120507

Datafile: 121028P1-05



Acq'd: 28 Oct 2012 12:18 MDC

UTP: 29-Oct-2012 12:23 MDC

Report: 29 Oct 2012 13:42 MC

Wt/Vol: 10.18 g

J-level: 0.491 pg/g Split: 1

Std (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

ICAL: 1613_SGS

Checkcode: 590-183-ZYS

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.53		1.0009	1.0007	-0.3	1.49E+05	0.70	Y	1.08	0.785	974	0.06
12378-PeCDD	33.83		1.0006	1.0005	-0.2	2.08E+05	1.51	Y	1.07	1.48	1220	0.0983
123478-HxCDD	38.47		1.0004	1.0004	0	2.34E+05	1.22	Y	1.05	2.21	1978	0.212
123678-HxCDD	38.61		1.0039	1.0039	0	1.02E+06	1.23	Y	0.98	9.33	1978	0.229
123789-HxCDD	38.95		1.0129	1.0128	-0.2	5.55E+05	1.22	Y	1.01	5.2	1978	0.222
1234678-HpCDD	42.64		1.0005	1.0004	-0.3	1.30E+07	1.04	Y	1.09	117	5195	0.583
OCDD	46.40		1.0005	1.0004	-0.3	8.03E+07	0.90	Y	1.11	1,020	775	0.147
2378-TCDF	26.54		1.0009	1.0009	0	1.30E+06	0.83	Y	0.98	4.79	1163	0.0538
12378-PeCDF	32.10		1.0007	1.0006	-0.2	3.77E+05	1.43	Y	0.99	1.9	1485	0.0838
23478-PeCDF	33.43		1.0006	1.0008	+0.4	5.99E+05	1.49	Y	1.02	2.68	1485	0.0732
123478-HxCDF	37.31		1.0006	1.0005	-0.2	3.98E+05	1.35	Y	1.19	2.45	1094	0.0756
123678-HxCDF	37.47		1.0005	1.0005	0	3.17E+05	1.18	Y	1.16	1.58	1094	0.0645
234678-HxCDF	38.25		1.0006	1.0003	-0.7	4.37E+05	1.28	Y	1.18	2.3	1094	0.0686
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.09	-	1094	0.112
1234678-HpCDF	41.36		1.0004	1.0003	-0.2	3.27E+06	1.04	Y	1.35	20.9	1908	0.143
1234789-HpCDF	43.25		1.0004	1.0004	0	1.83E+05	1.07	Y	1.34	1.38	1908	0.2
OCDF	46.63		1.0057	1.0055	-0.6	3.59E+06	0.87	Y	1.40	36.3	982	0.148

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.51	1.0281	1.0278	-0.5	3.45E+07	0.81	Y	1.04	92.6
ES 12378-PeCDD	33.81	1.2639	1.2632	-1.1	2.57E+07	1.61	Y	0.87	82.9
ES 123478-HxCDD	38.46	0.9876	0.9876	0	1.98E+07	1.30	Y	0.94	83.6
ES 123678-HxCDD	38.59	0.9910	0.9910	0	2.18E+07	1.29	Y	1.06	81.3
ES 1234678-HpCDD	42.62	1.0943	1.0946	+0.7	2.00E+07	1.07	Y	0.80	99.4
ES OCDD	46.38	1.1907	1.1910	+0.7	2.78E+07	0.91	Y	0.63	87.6
ES 2378-TCDF	26.52	0.9907	0.9907	0	5.47E+07	0.80	Y	1.74	88
ES 12378-PeCDF	32.08	1.1992	1.1984	-1.3	3.95E+07	1.54	Y	1.49	74
ES 23478-PeCDF	33.40	1.2484	1.2478	-1.0	4.32E+07	1.57	Y	1.48	81.5
ES 123478-HxCDF	37.29	0.9577	0.9576	-0.2	2.68E+07	0.54	Y	1.27	83.5
ES 123678-HxCDF	37.46	0.9619	0.9619	0	3.41E+07	0.52	Y	1.41	95.7
ES 234678-HxCDF	38.24	0.9821	0.9821	0	3.17E+07	0.52	Y	1.34	93.6
ES 123789-HxCDF	39.36	1.0108	1.0109	+0.2	2.50E+07	0.53	Y	1.20	82.3
ES 1234678-HpCDF	41.34	1.0618	1.0618	0	2.27E+07	0.45	Y	1.06	85.1
ES 1234789-HpCDF	43.24	1.1100	1.1104	+0.9	1.94E+07	0.45	Y	0.82	93.8

Lab ID: A4723_10237_DF_001

Acq'd: 28 Oct 2012 12:18 MDC

Wt/Vol: 10.18 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS41-120507

UTP: 29-Oct-2012 12:23 MDC

J-level: 0.491 pg/g Split: 1

Checkcode: 590-183-ZYS

Datafile: 121028P1-05

Report: 29 Oct 2012 13:42 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37Cl)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.77		-	-	-	3.58E+07	0.81	Y	-	-
JS 123789-HxCDD	38.94		-	-	-	2.52E+07	1.25	Y	-	-
CS 37Cl-2378-TCDD	27.54		1.0291	1.0288	-0.5	9.22E+06	n/a	-	1.17	110
SS 37Cl-2378-TCDD	27.54	NA	1.0291	1.0288	-0.5	9.22E+06	n/a	-	1.12	119

Totals	Conc	EMPC	EDL
Total TCDD	53.2	54	0.06
Total PeCDD	46.7	46.7	0.0983
Total HxCDD	120	120	0.221
Total HpCDD	266	266	0.583
Total Tetra-Octa Dioxins	1510	1510	
Total TCDF	57.5	58.1	0.0538
Total PeCDF	33	34	0.0782
Total HxCDF	43.6	43.8	0.078
Total HpCDF	61	61	0.169
Total Tetra-Octa Furans	231	233	
Total Tetra-Octa Dioxins & Furans	1740	1740	

Lab ID: A4723_10237_DF_001

Acq'd: 28 Oct 2012 12:18 MDC

Wt/Vol: 10.18 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS41-120507

UTP: 29-Oct-2012 12:23 MDC

J-level: 0.491 pg/g Split: 1

Checkcode: 590-183-ZYS

Datafile: 121028P1-05

Report: 29 Oct 2012 13:42 MC

Std (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
TCDD	23.43		0.8504	0.8514	+1.7	3.98E+06	0.79	Y	1.08	20.9	974	0.06
TCDD	23.82		0.8649	0.8659	+1.7	2.63E+06	0.79	Y	1.08	13.8	974	0.06
TCDD	24.30		0.8835	0.8832	-0.5	1.02E+05	0.89	N	1.08	0.537	974	0.06
TCDD	25.18		0.9152	0.9150	-0.3	4.61E+05	0.82	Y	1.08	2.42	974	0.06
TCDD	25.44		0.9241	0.9246	+0.8	4.27E+05	0.76	Y	1.08	2.25	974	0.06
TCDD	25.66		0.9327	0.9327	0	5.02E+05	0.79	Y	1.08	2.63	974	0.06
TCDD	25.88		0.9408	0.9408	0	1.40E+05	0.87	Y	1.08	0.735	974	0.06
TCDD	26.16		0.9512	0.9507	-0.8	4.44E+04	0.92	N	1.08	0.233	974	0.06
TCDD	26.36		0.9580	0.9583	+0.5	1.54E+05	0.82	Y	1.08	0.811	974	0.06
TCDD	26.79		0.9736	0.9737	+0.2	7.83E+05	0.77	Y	1.08	4.12	974	0.06
TCDD	NotFnd		0.9785						1.08		974	0.06
TCDD	27.21		0.9884	0.9891	+1.2	6.91E+05	0.75	Y	1.08	3.63	974	0.06
TCDD	27.34		0.9945	0.9939	-1.0	9.03E+04	0.74	Y	1.08	0.474	974	0.06
2378-TCDD	27.53		1.0009	1.0007	-0.3	1.49E+05	0.70	Y	1.08	0.785	974	0.06
TCDD	27.92		1.0147	1.0146	-0.2	1.22E+05	0.75	Y	1.08	0.641	974	0.06
TCDD	NotFnd		1.0206						1.08		974	0.06
TCDD	NotFnd		1.0423						1.08		974	0.06
PeCDD	30.87		0.9131	0.9130	-0.2	1.78E+06	1.55	Y	1.07	12.6	1220	0.0983
PeCDD	31.50		0.9319	0.9314	-1.0	1.13E+05	1.45	Y	1.07	0.807	1220	0.0983
PeCDD	32.16		0.9511	0.9509	-0.4	1.72E+06	1.58	Y	1.07	12.3	1220	0.0983
PeCDD	32.37		0.9576	0.9573	-0.6	2.25E+05	1.36	Y	1.07	1.6	1220	0.0983
PeCDD	32.50		0.9611	0.9611	0	1.32E+06	1.49	Y	1.07	9.42	1220	0.0983
PeCDD	32.80		0.9703	0.9700	-0.6	2.52E+05	1.61	Y	1.07	1.79	1220	0.0983
PeCDD	33.24		0.9829	0.9830	+0.2	7.98E+05	1.63	Y	1.07	5.68	1220	0.0983
12378-PeCDD	33.83		1.0006	1.0005	-0.2	2.08E+05	1.51	Y	1.07	1.48	1220	0.0983
PeCDD	33.95		1.0039	1.0040	+0.2	7.03E+04	1.60	Y	1.07	0.5	1220	0.0983
PeCDD	34.35		1.0161	1.0160	-0.2	6.91E+04	1.44	Y	1.07	0.491	1220	0.0983
HxCDD	36.45		0.9479	0.9478	-0.2	2.46E+06	1.27	Y	1.01	23	1978	0.221
HxCDD	37.23		0.9682	0.9681	-0.2	4.55E+06	1.22	Y	1.01	42.4	1978	0.221
HxCDD	37.58		0.9771	0.9771	0	3.60E+06	1.24	Y	1.01	33.5	1978	0.221
HxCDD	37.71		0.9811	0.9807	-0.9	3.05E+05	1.33	Y	1.01	2.84	1978	0.221
123478-HxCDD	38.47		1.0004	1.0004	0	2.34E+05	1.22	Y	1.05	2.21	1978	0.212
123678-HxCDD	38.61		1.0039	1.0039	0	1.02E+06	1.23	Y	0.98	9.33	1978	0.229
HxCDD	38.82		1.0097	1.0095	-0.5	1.39E+05	1.24	Y	1.01	1.3	1978	0.221
123789-HxCDD	38.95		1.0129	1.0128	-0.2	5.55E+05	1.22	Y	1.01	5.2	1978	0.222

Lab ID: A4723_10237_DF_001

Acq'd: 28 Oct 2012 12:18 MDC

Wt/Vol: 10.18 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS41-120507

UTP: 29-Oct-2012 12:23 MDC

J-level: 0.491 pg/g Split: 1

Checkcode: 590-183-ZYS

Datafile: 121028P1-05

Report: 29 Oct 2012 13:42 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
HpCDD	41.73		0.9793	0.9791	-0.5	1.65E+07	1.05	Y	1.09	149	5195	0.583
1234678-HpCDD	42.64		1.0005	1.0004	-0.3	1.30E+07	1.04	Y	1.09	117	5195	0.583
OCDD	46.40		1.0005	1.0004	-0.3	8.03E+07	0.90	Y	1.11	1,020	775	0.147
OCDD-a	46.38		1.0001	1.0001	0	4.48E+06	2.61	Y	1.00	63.2	943	0.198
TCDF	21.22		0.7983	0.8003	+3.2	6.33E+05	0.76	Y	0.98	2.33	1163	0.0538
TCDF	21.78		0.8218	0.8214	-0.6	3.65E+05	0.86	Y	0.98	1.34	1163	0.0538
TCDF	22.44		0.8463	0.8460	-0.5	9.56E+05	0.82	Y	0.98	3.52	1163	0.0538
TCDF	22.84		0.8625	0.8611	-2.2	2.52E+05	0.70	Y	0.98	0.926	1163	0.0538
TCDF	23.00		0.8677	0.8674	-0.5	2.14E+06	0.75	Y	0.98	7.89	1163	0.0538
TCDF	23.29		0.8787	0.8781	-1.0	3.02E+05	0.81	Y	0.98	1.11	1163	0.0538
TCDF	23.42		0.8840	0.8833	-1.1	1.14E+06	0.73	Y	0.98	4.2	1163	0.0538
TCDF	23.85		0.8998	0.8993	-0.8	7.51E+05	0.80	Y	0.98	2.76	1163	0.0538
TCDF	24.01		0.9054	0.9053	-0.2	3.32E+05	0.74	Y	0.98	1.22	1163	0.0538
TCDF	24.19		0.9125	0.9122	-0.5	6.29E+05	0.76	Y	0.98	2.31	1163	0.0538
TCDF	24.60		0.9279	0.9278	-0.2	4.25E+05	0.78	Y	0.98	1.56	1163	0.0538
TCDF	24.75		0.9334	0.9333	-0.2	4.87E+05	0.76	Y	0.98	1.79	1163	0.0538
TCDF	24.92		0.9381	0.9395	+2.2	9.51E+05	0.77	Y	0.98	3.5	1163	0.0538
TCDF	25.04		0.9439	0.9442	+0.5	8.56E+05	0.81	Y	0.98	3.15	1163	0.0538
TCDF	25.54		0.9630	0.9629	-0.2	1.14E+06	0.81	Y	0.98	4.21	1163	0.0538
TCDF	25.65		0.9674	0.9674	0	1.02E+05	0.69	Y	0.98	0.376	1163	0.0538
TCDF	25.84		0.9746	0.9743	-0.5	4.87E+05	0.78	Y	0.98	1.79	1163	0.0538
TCDF	26.06		0.9829	0.9825	-0.6	2.99E+05	0.81	Y	0.98	1.1	1163	0.0538
TCDF	26.30		0.9916	0.9916	0	4.42E+05	0.81	Y	0.98	1.63	1163	0.0538
TCDF	26.42		0.9963	0.9963	0	2.72E+05	0.72	Y	0.98	1	1163	0.0538
2378-TCDF	26.54		1.0009	1.0009	0	1.30E+06	0.83	Y	0.98	4.79	1163	0.0538
TCDF	26.96		1.0166	1.0166	0	1.19E+06	0.74	Y	0.98	4.38	1163	0.0538
TCDF	27.23		1.0274	1.0268	-1.0	1.09E+05	0.76	Y	0.98	0.401	1163	0.0538
TCDF	27.54		1.0390	1.0386	-0.6	6.43E+04	0.78	Y	0.98	0.237	1163	0.0538
TCDF	28.85		1.0886	1.0877	-1.4	1.60E+05	0.93	N	0.98	0.59	1163	0.0538
PeCDF	28.83		0.8975	0.8987	+2.3	2.43E+06	1.57	Y	1.00	11.5	1280	0.0674
PeCDF	30.60		0.9542	0.9540	-0.4	5.19E+05	1.42	Y	1.00	2.46	1485	0.0782
PeCDF	30.79		0.9587	0.9598	+2.1	1.48E+06	1.47	Y	1.00	7	1485	0.0782
PeCDF	30.91		0.9636	0.9634	-0.4	1.79E+05	1.50	Y	1.00	0.846	1485	0.0782
PeCDF	31.01		0.9671	0.9667	-0.8	9.17E+04	1.47	Y	1.00	0.434	1485	0.0782
PeCDF	31.29		0.9760	0.9754	-1.2	9.18E+04	1.26	N	1.00	0.435	1485	0.0782
PeCDF	31.46		0.9810	0.9807	-0.6	4.96E+04	1.42	Y	1.00	0.235	1485	0.0782

Lab ID: A4723_10237_DF_001

Acq'd: 28 Oct 2012 12:18 MDC

Wt/Vol: 10.18 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS41-120507

UTP: 29-Oct-2012 12:23 MDC

J-level: 0.491 pg/g Split: 1

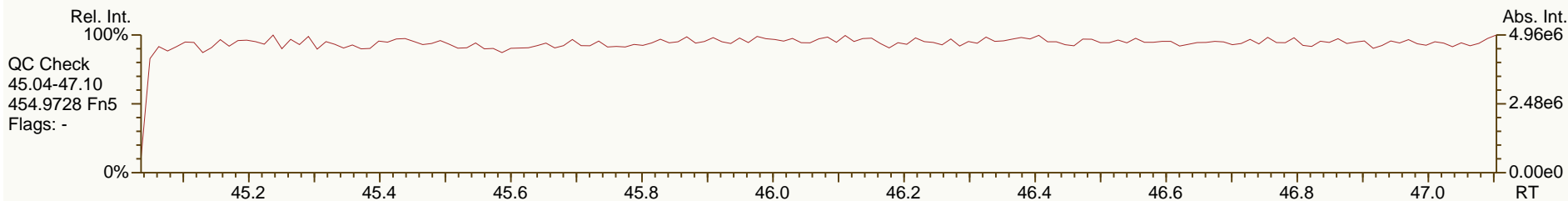
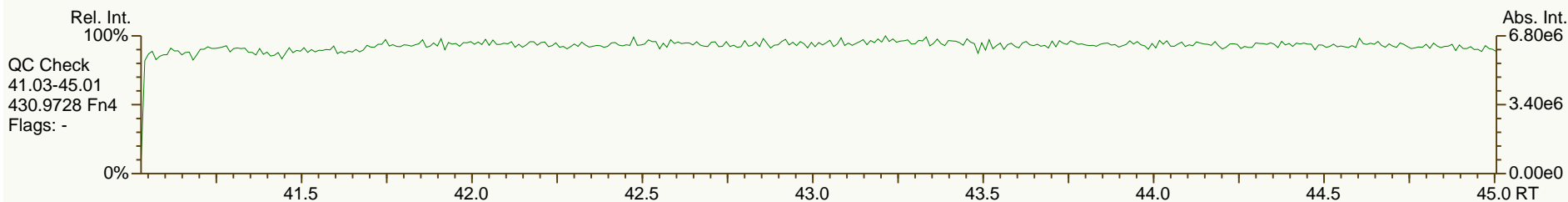
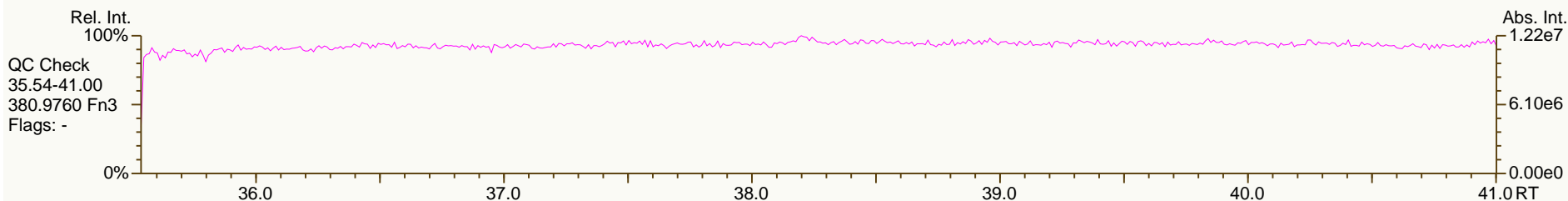
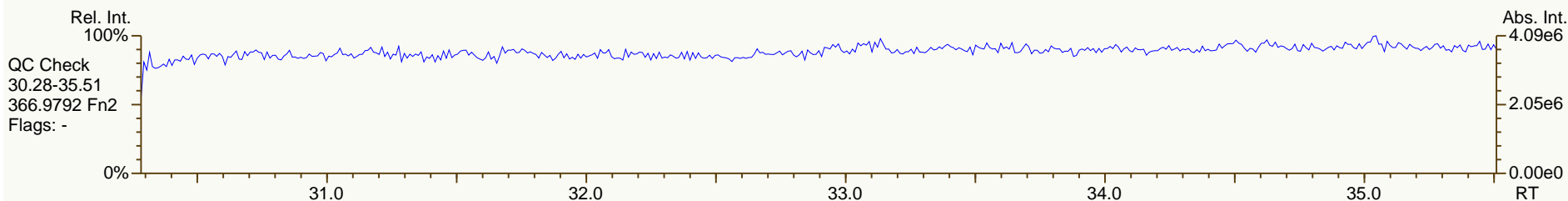
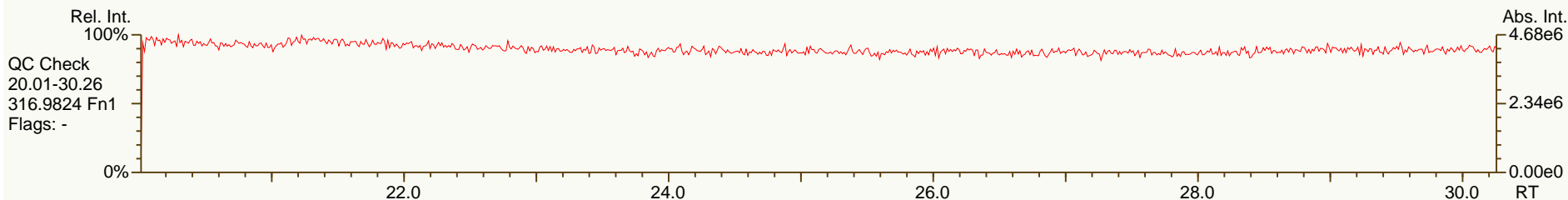
Checkcode: 590-183-ZYS

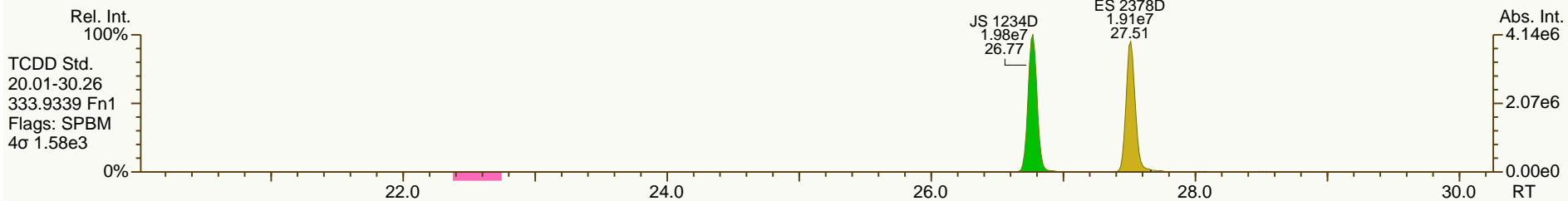
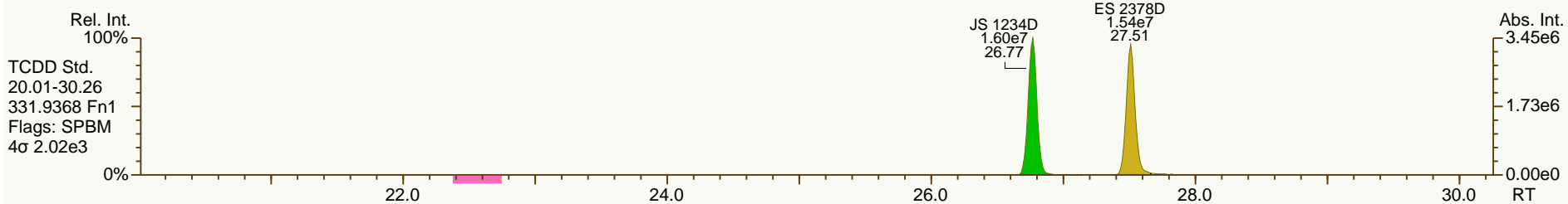
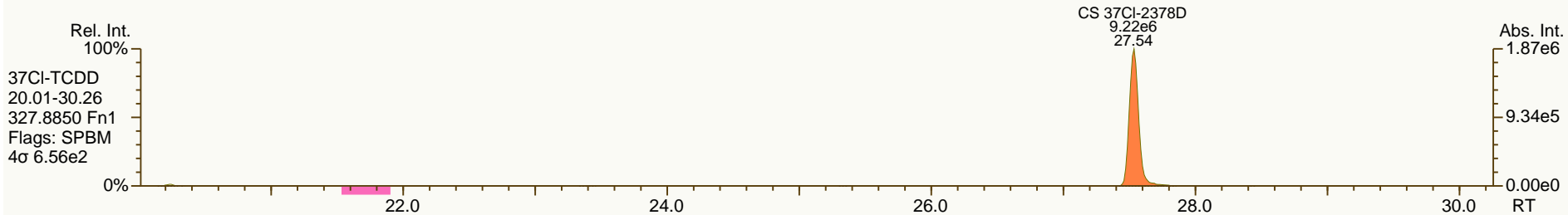
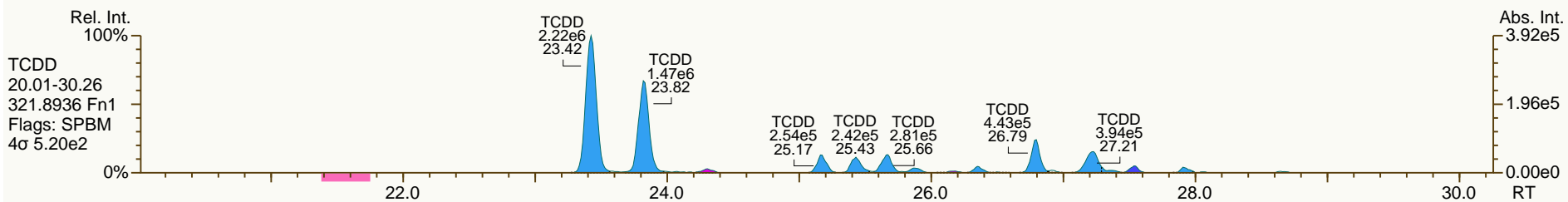
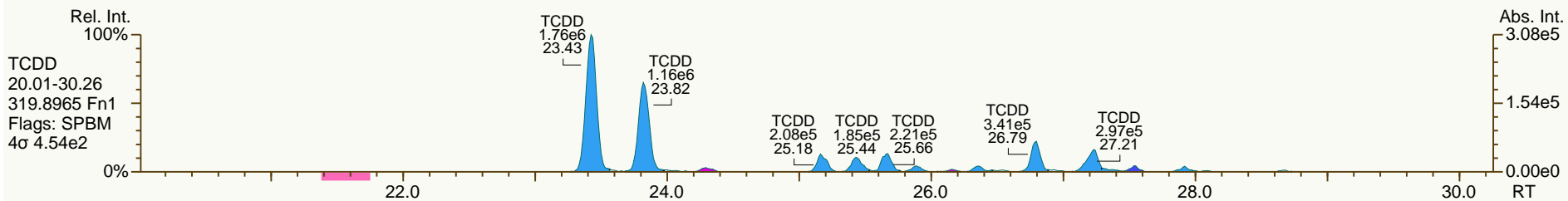
Datafile: 121028P1-05

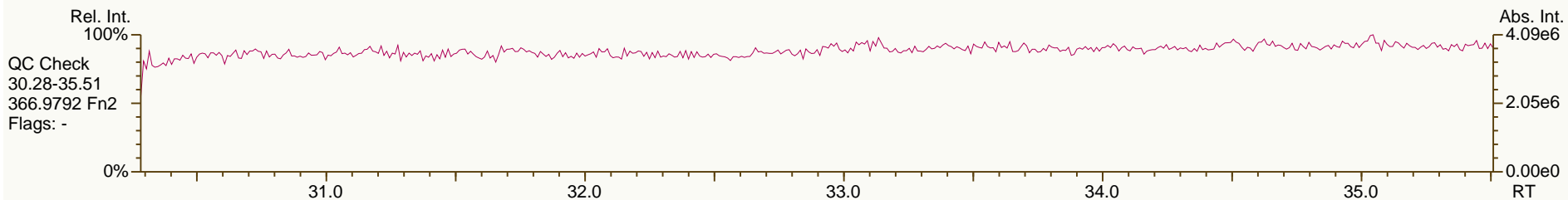
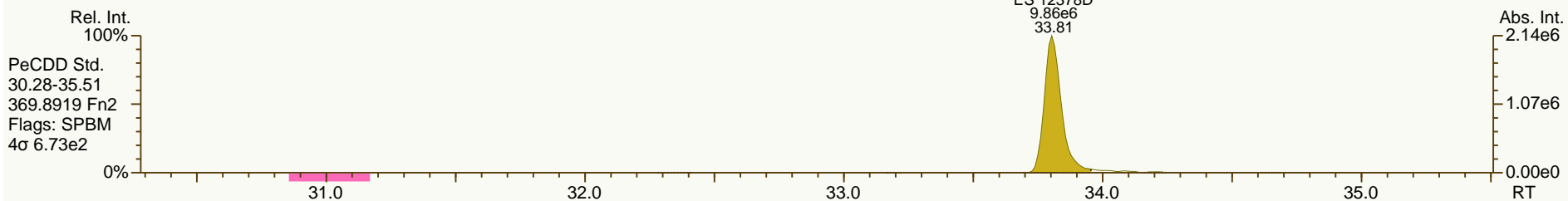
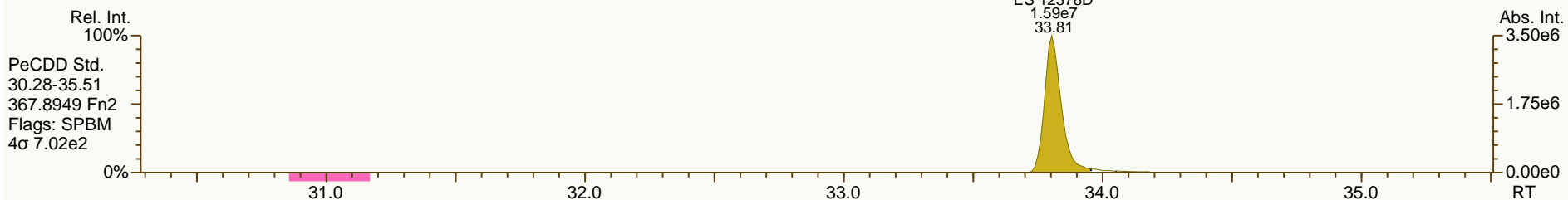
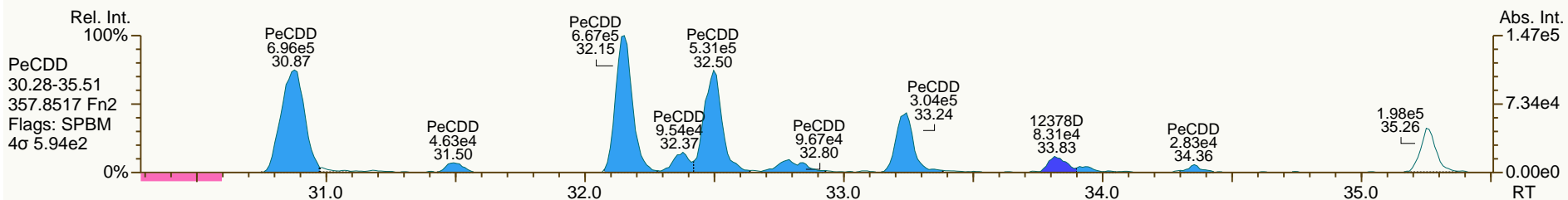
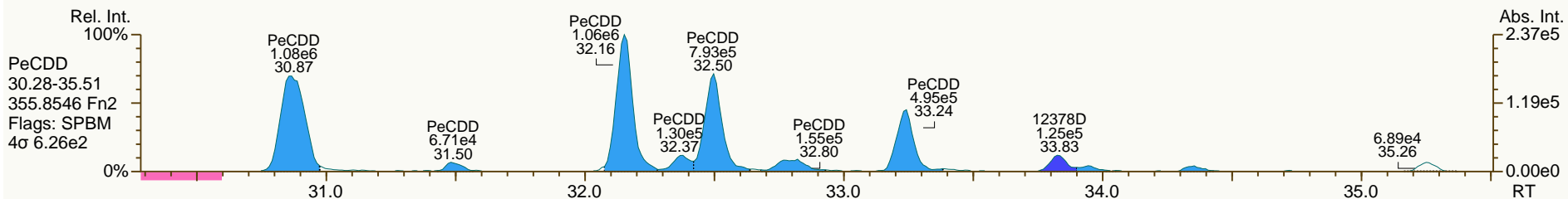
Report: 29 Oct 2012 13:42 MC

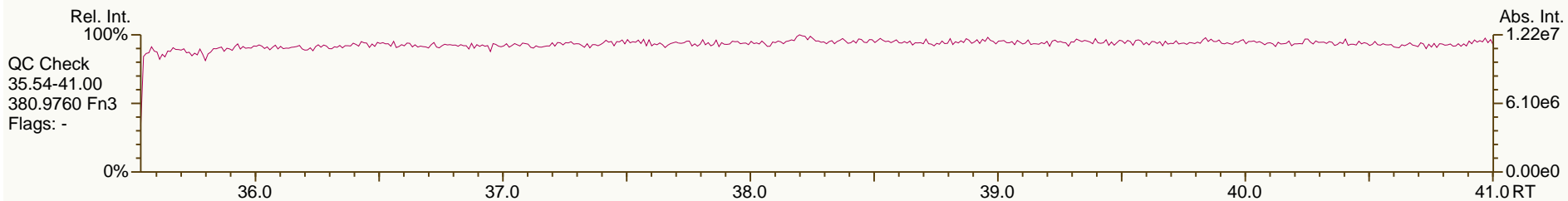
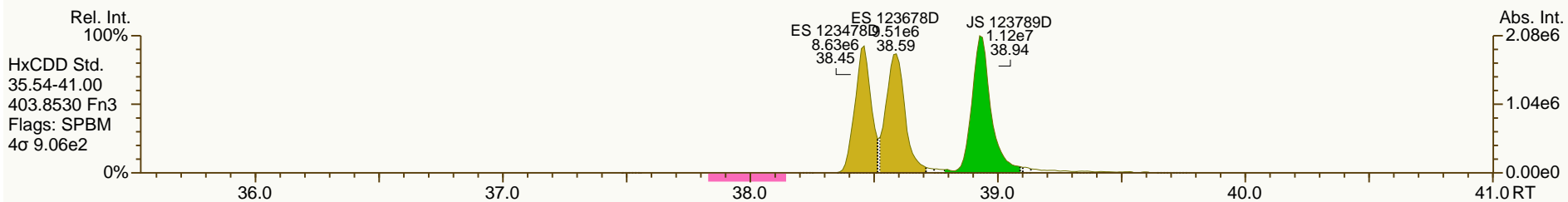
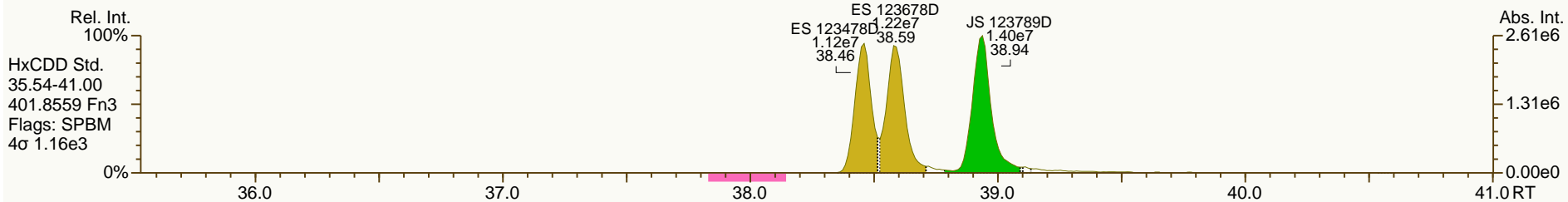
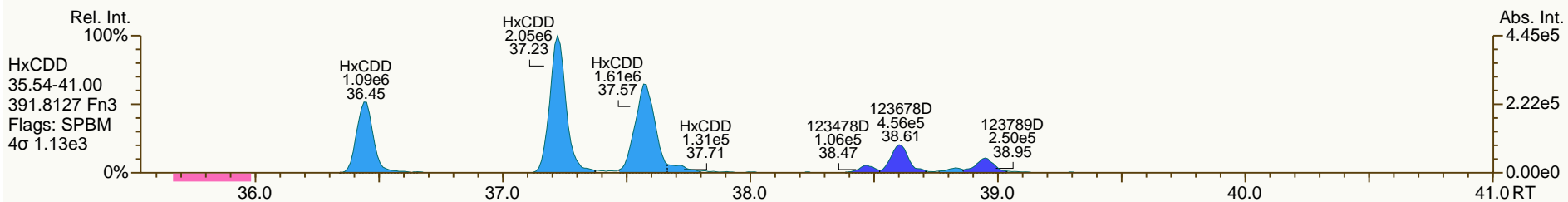
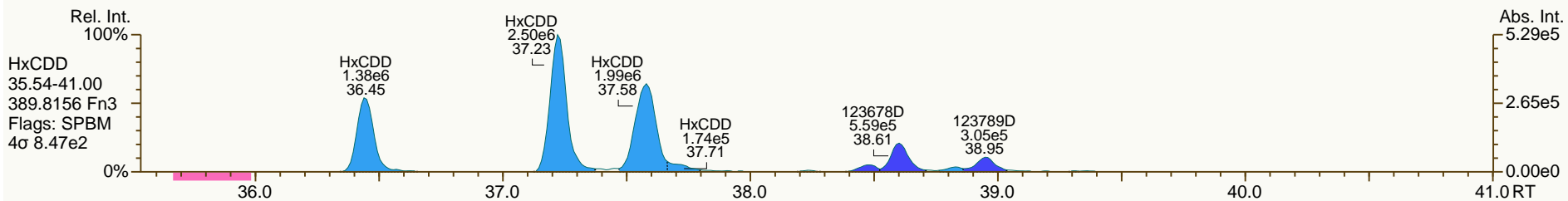
Std's (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

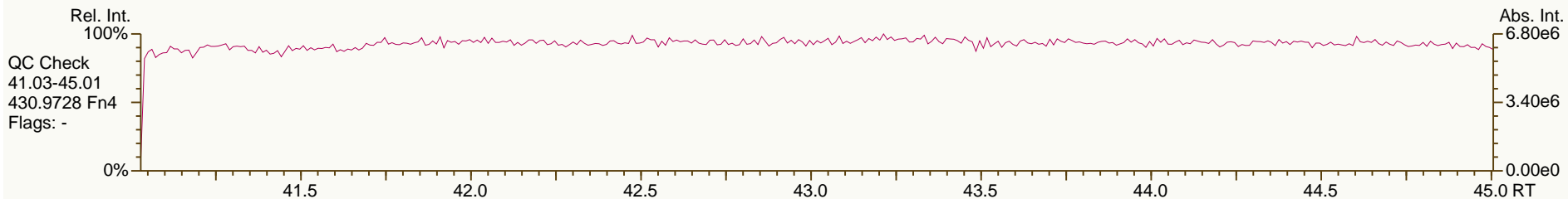
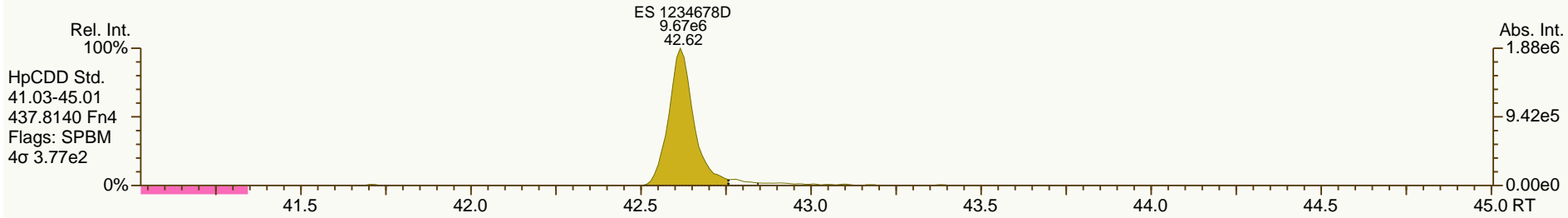
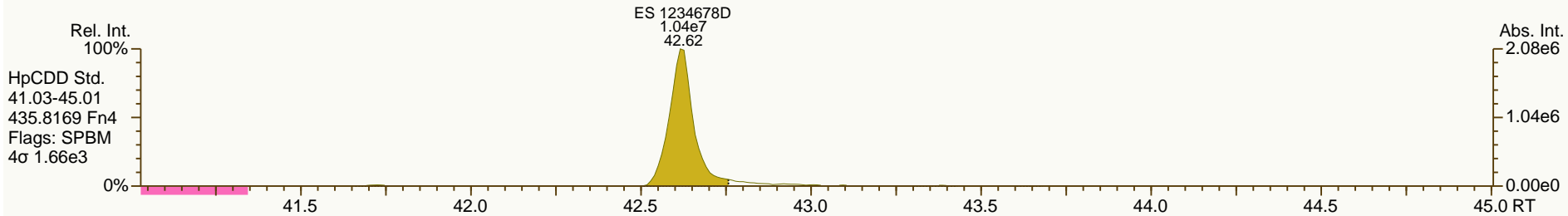
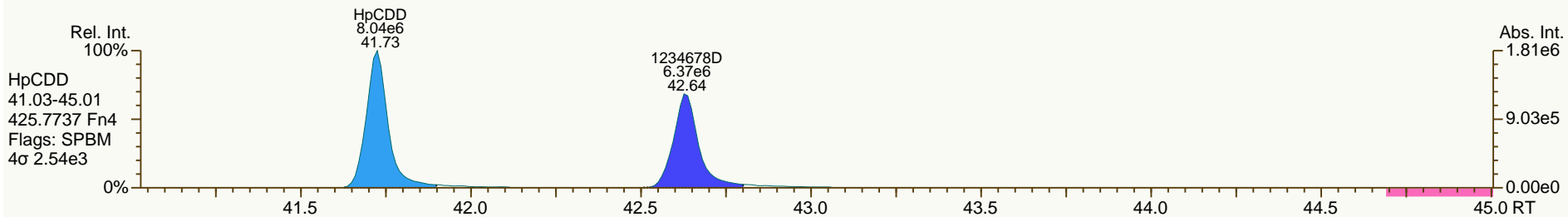
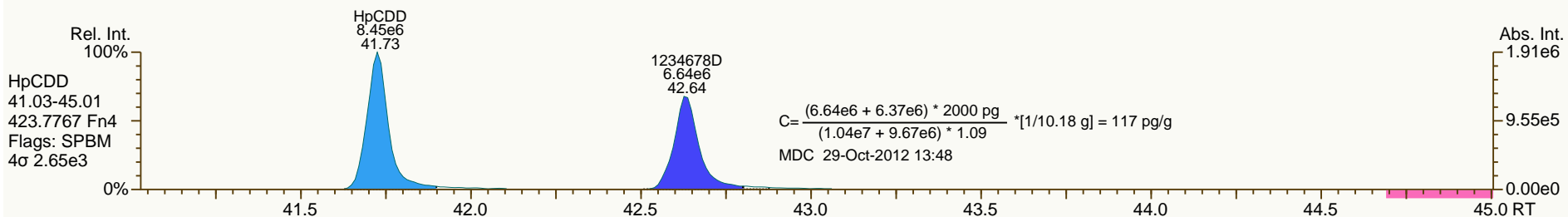
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
PeCDF	31.58		0.9847	0.9844	-0.6	4.13E+05	1.55	Y	1.00	1.96	1485	0.0782
PeCDF	31.67		0.9870	0.9873	+0.6	7.88E+04	1.41	Y	1.00	0.374	1485	0.0782
PeCDF	31.85		0.9930	0.9927	-0.6	9.73E+04	1.26	N	1.00	0.461	1485	0.0782
12378-PeCDF	32.10		1.0007	1.0006	-0.2	3.77E+05	1.43	Y	0.99	1.9	1485	0.0838
PeCDF	32.43		1.0113	1.0109	-0.8	4.17E+05	1.53	Y	1.00	1.97	1485	0.0782
PeCDF	32.63		1.0169	1.0171	+0.4	4.19E+04	1.76	Y	1.00	0.199	1485	0.0782
PeCDF	33.11		0.9917	0.9912	-1.0	6.12E+04	1.67	Y	1.00	0.29	1485	0.0782
PeCDF	33.27		0.9962	0.9962	0	2.28E+05	1.47	Y	1.00	1.08	1485	0.0782
23478-PeCDF	33.43		1.0006	1.0008	+0.4	5.99E+05	1.49	Y	1.02	2.68	1485	0.0732
PeCDF	NotFnd		0.0000						1.02		0	0
PeCDF	NotFnd		1.0023						1.00		1485	0.0782
PeCDF	NotFnd		1.0120						1.00		1485	0.0782
PeCDF	34.69		1.0389	1.0387	-0.4	2.86E+04	1.18	N	1.00	0.136	1485	0.0782
HxCDF	35.66		0.9565	0.9562	-0.7	8.29E+05	1.20	Y	1.15	4.81	1094	0.078
HxCDF	35.90		0.9627	0.9626	-0.2	2.48E+06	1.24	Y	1.15	14.4	1094	0.078
HxCDF	36.16		0.9700	0.9697	-0.7	5.07E+04	1.07	Y	1.15	0.294	1094	0.078
HxCDF	36.40		0.9762	0.9762	0	1.38E+05	1.14	Y	1.15	0.799	1094	0.078
HxCDF	36.67		0.9833	0.9833	0	2.66E+06	1.22	Y	1.15	15.4	1094	0.078
HxCDF	37.16		0.9968	0.9965	-0.7	1.10E+05	1.25	Y	1.15	0.64	1094	0.078
123478-HxCDF	37.31		1.0006	1.0005	-0.2	3.98E+05	1.35	Y	1.19	2.45	1094	0.0756
123678-HxCDF	37.47		1.0005	1.0005	0	3.17E+05	1.18	Y	1.16	1.58	1094	0.0645
HxCDF	NotFnd		1.0055						1.15		1094	0.078
HxCDF	37.84		1.0102	1.0101	-0.2	3.81E+04	1.16	Y	1.15	0.221	1094	0.078
HxCDF	37.97		0.9933	0.9929	-0.9	3.11E+04	0.87	N	1.15	0.181	1094	0.078
234678-HxCDF	38.25		1.0006	1.0003	-0.7	4.37E+05	1.28	Y	1.18	2.3	1094	0.0686
HxCDF	NotFnd		0.0000						1.18		0	0
HxCDF	NotFnd		1.0009						1.15		1094	0.078
123789-HxCDF	NotFnd		1.0005						1.09		1094	0.112
HxCDF	NotFnd		0.0000						1.09		0	0
123489-HxCDF	39.40		1.0013	1.0010	-0.7	1.11E+05	1.23	Y	1.15	0.642	1094	0.078
1234678-HpCDF	41.36		1.0004	1.0003	-0.2	3.27E+06	1.04	Y	1.35	20.9	1908	0.143
HpCDF	41.72		1.0091	1.0092	+0.2	1.20E+05	1.03	Y	1.34	0.835	1908	0.169
HpCDF	41.91		1.0140	1.0136	-1.0	5.46E+06	1.02	Y	1.34	37.9	1908	0.169
1234789-HpCDF	43.25		1.0004	1.0004	0	1.83E+05	1.07	Y	1.34	1.38	1908	0.2
OCDF	46.63		1.0057	1.0055	-0.6	3.59E+06	0.87	Y	1.40	36.3	982	0.148
OCDF-a	46.62		1.0053	1.0052	-0.3	2.08E+05	1.90	N	1.00	2.93	582	0.122

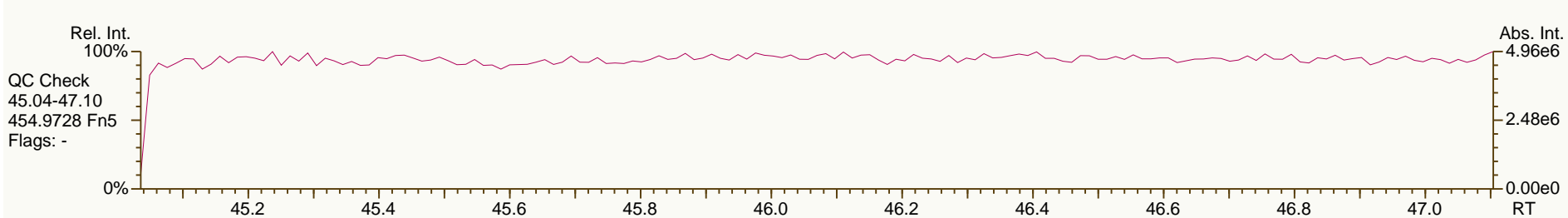
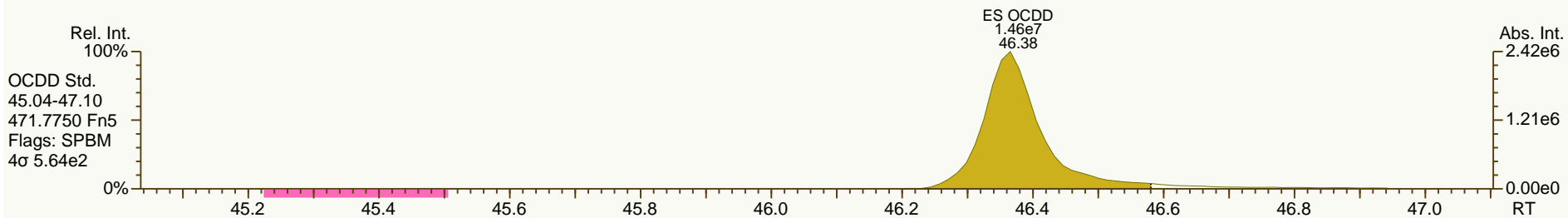
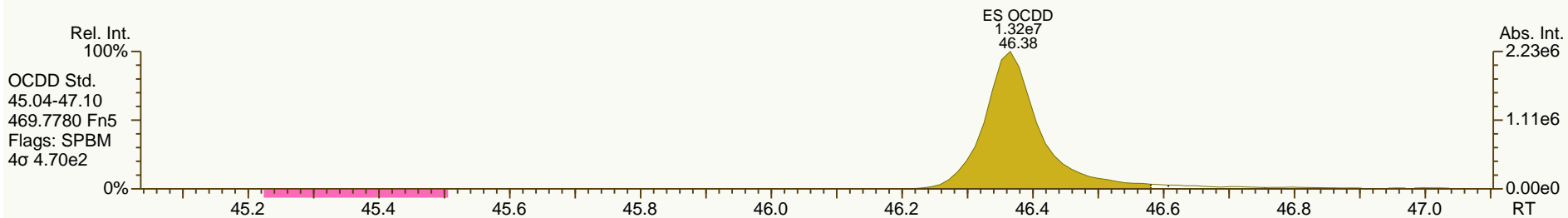
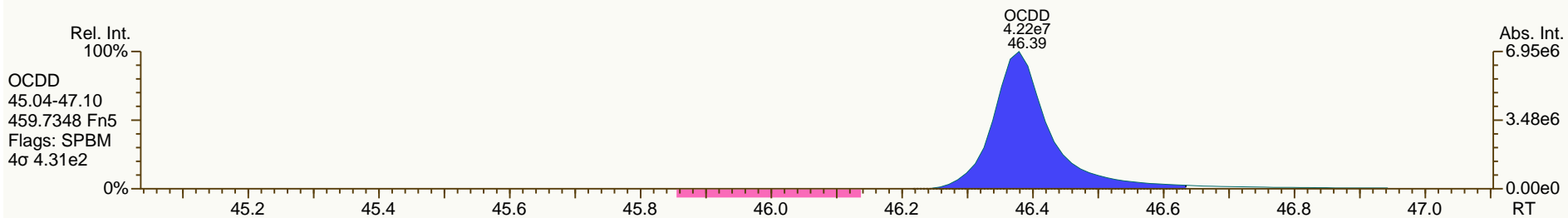
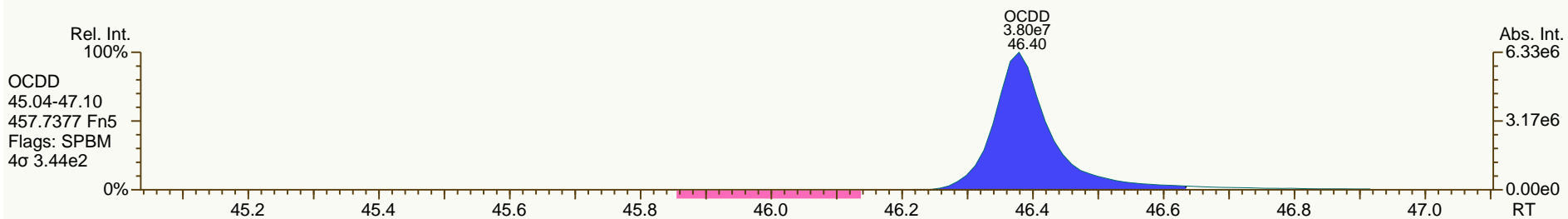


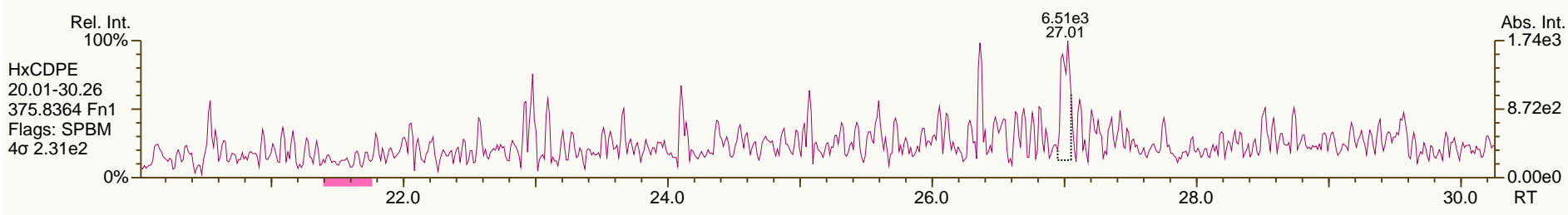
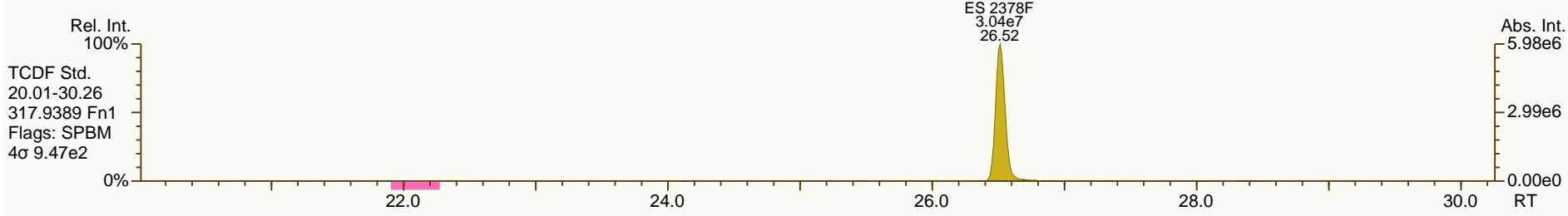
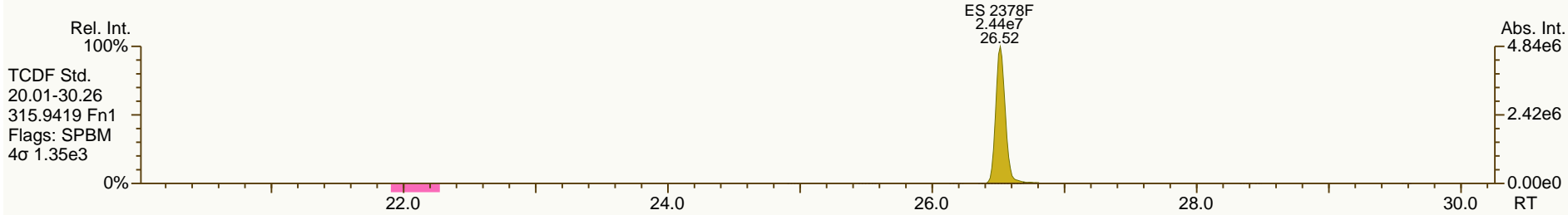
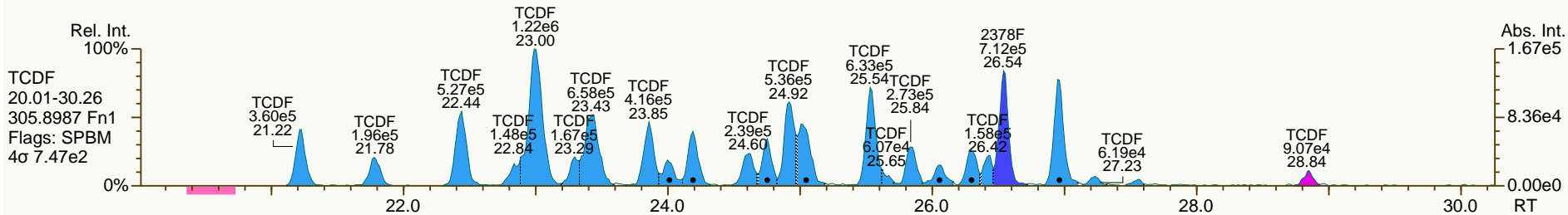
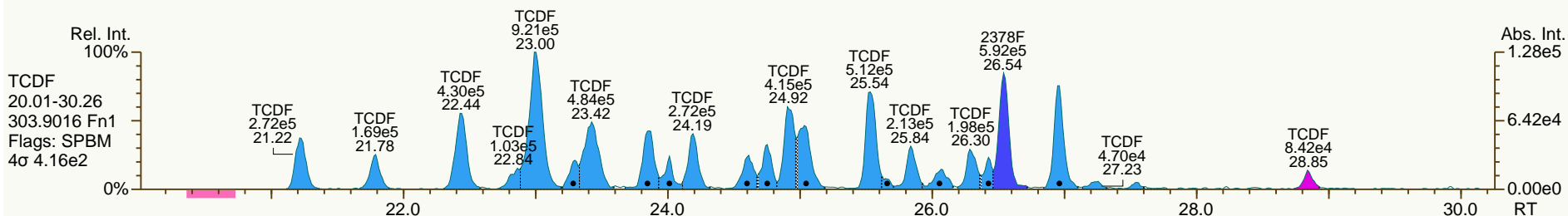








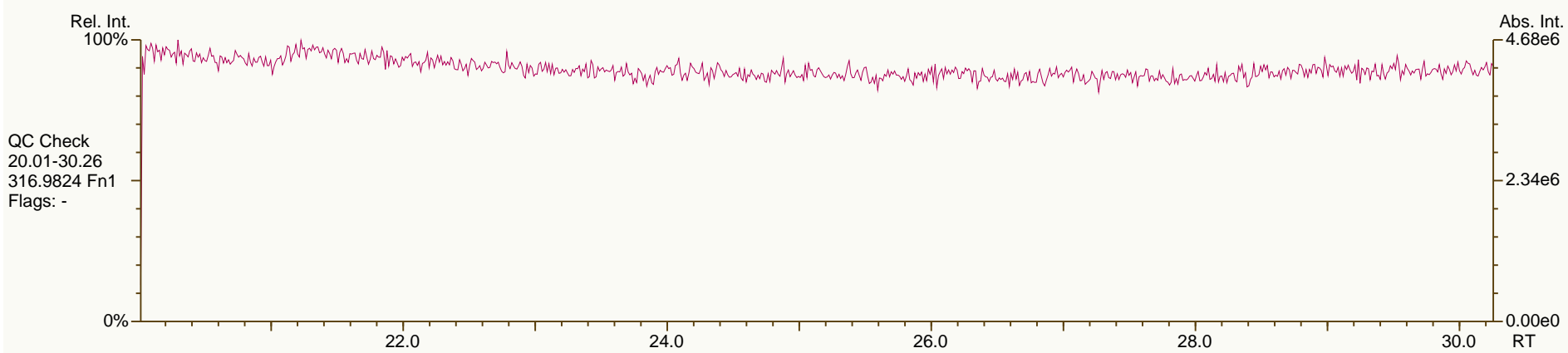
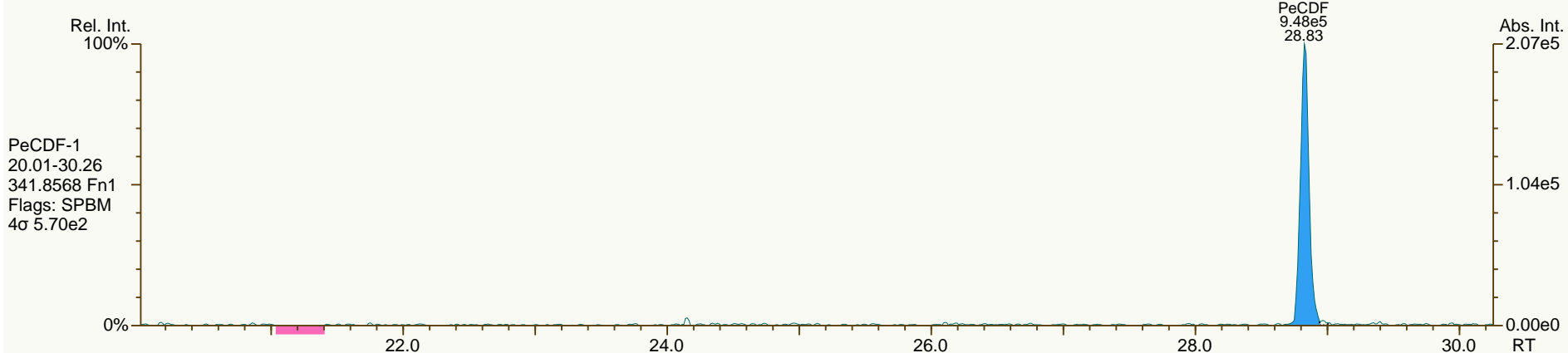
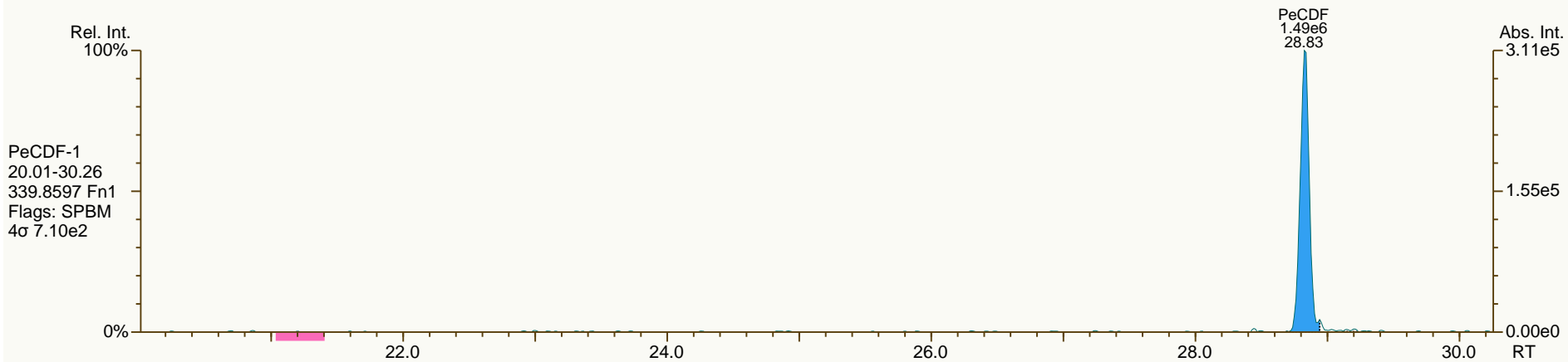


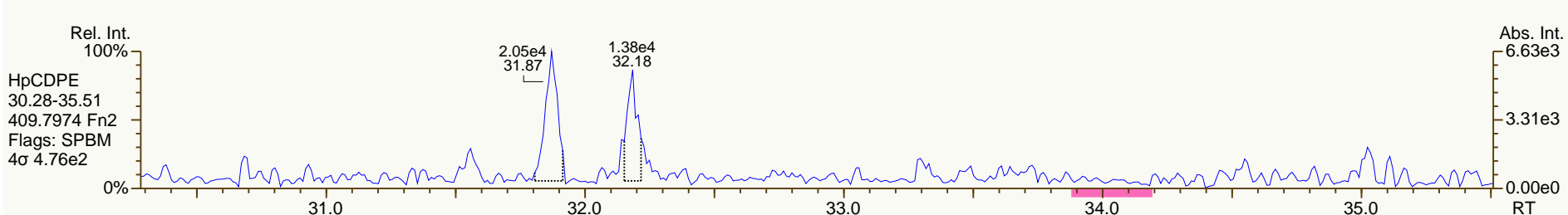
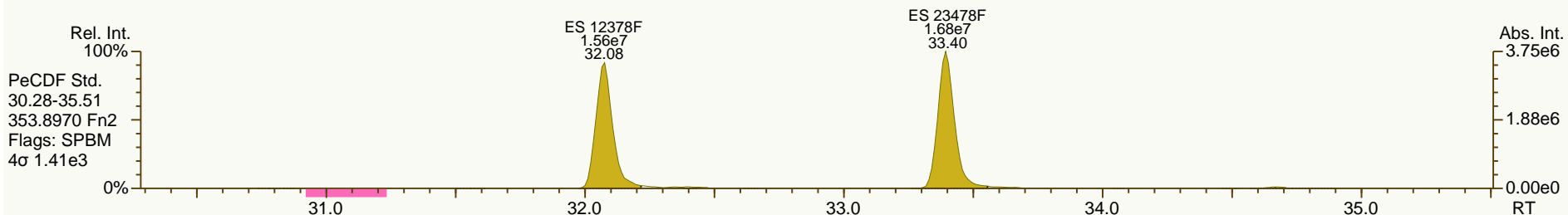
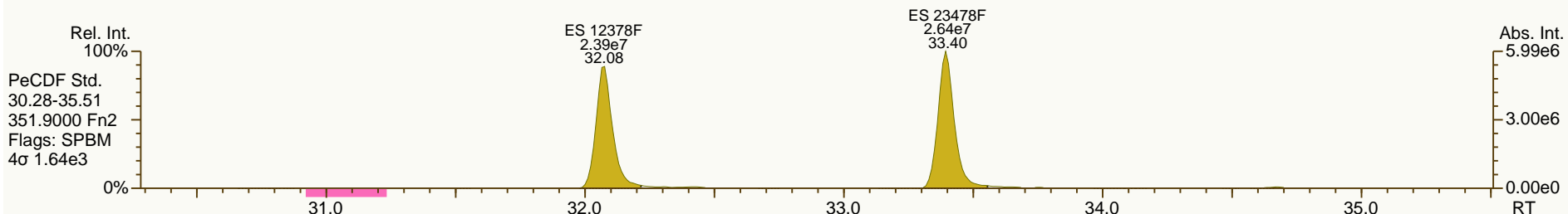
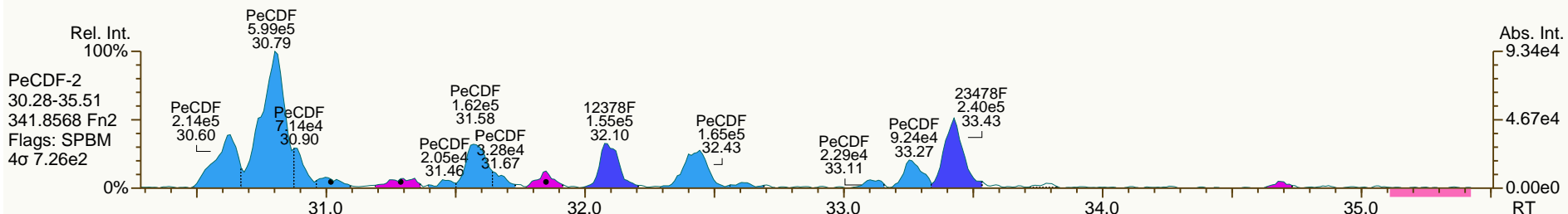
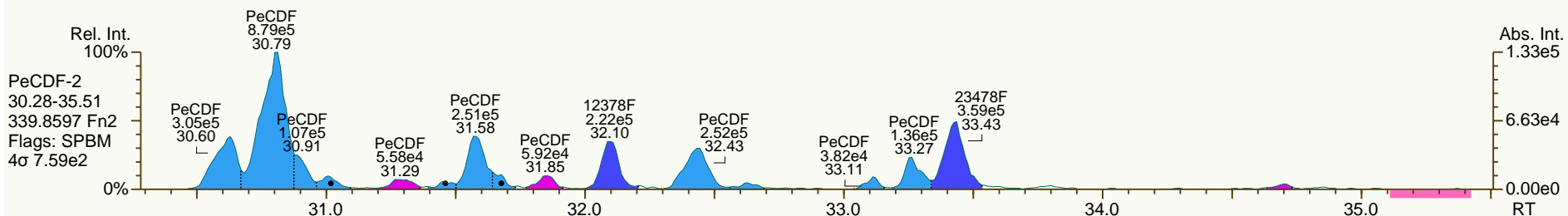


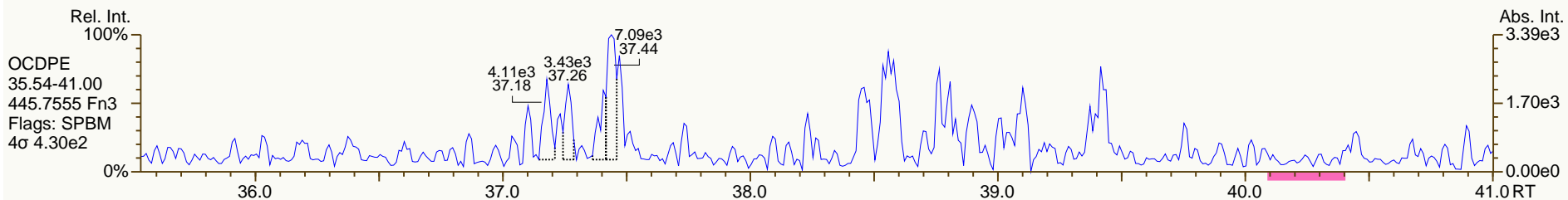
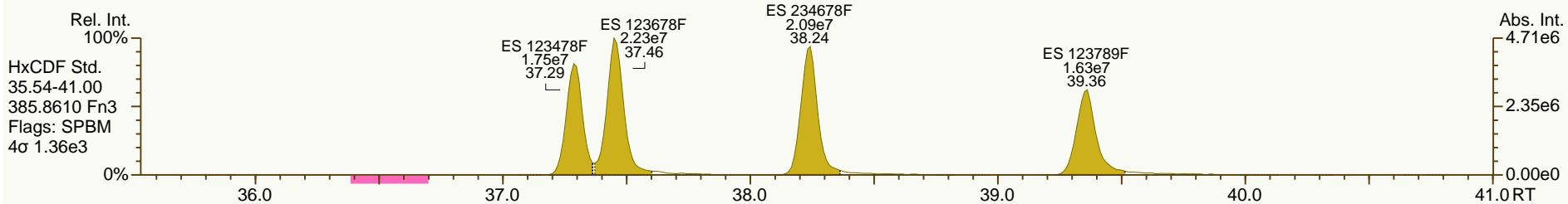
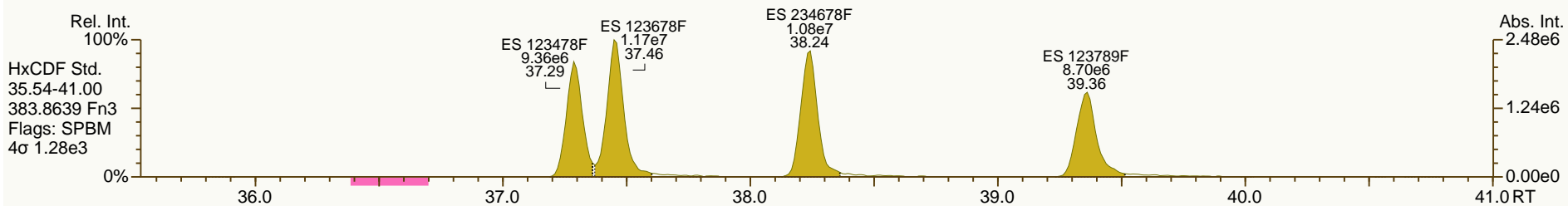
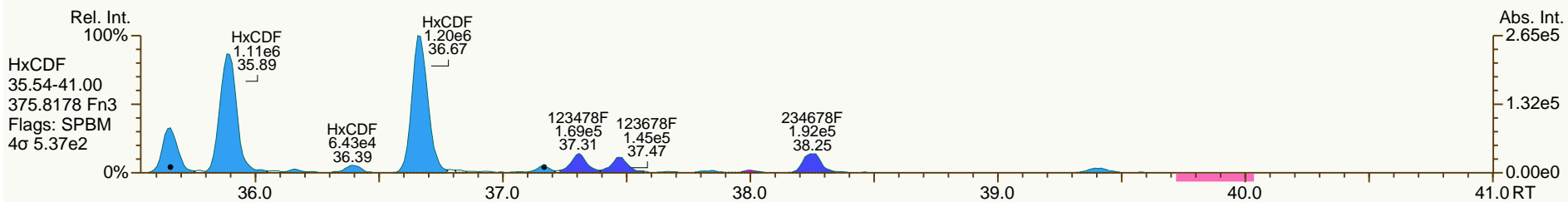
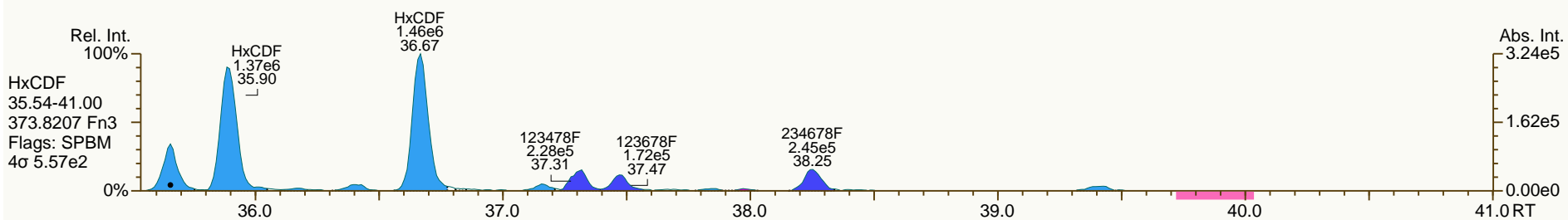
SGS-AP ID: A4723_10237_DF_001
Instr: AutoSpec-Ultima MM1

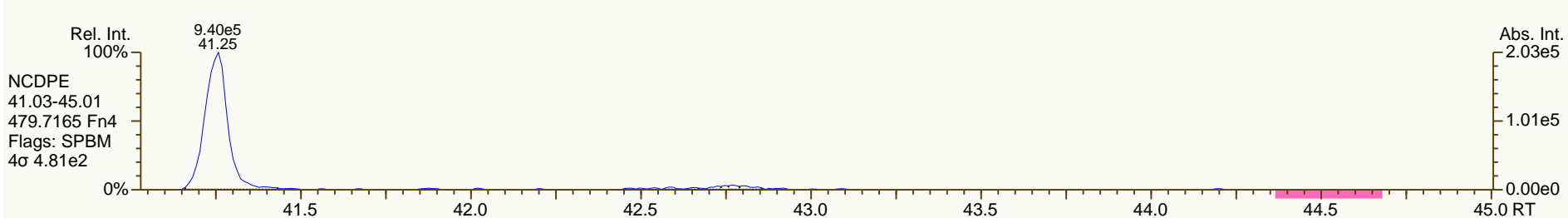
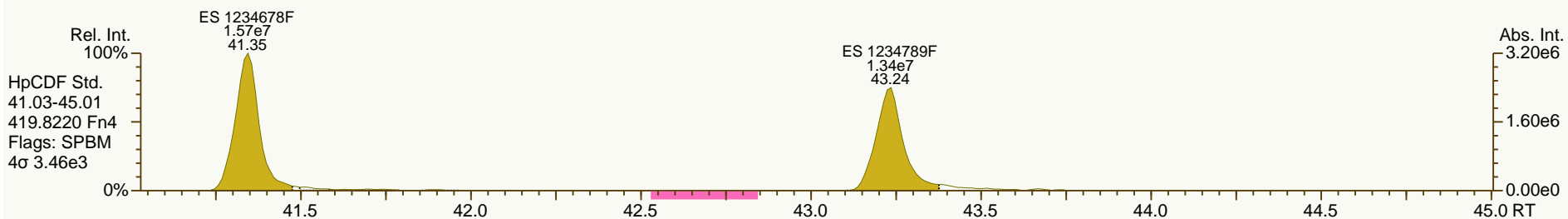
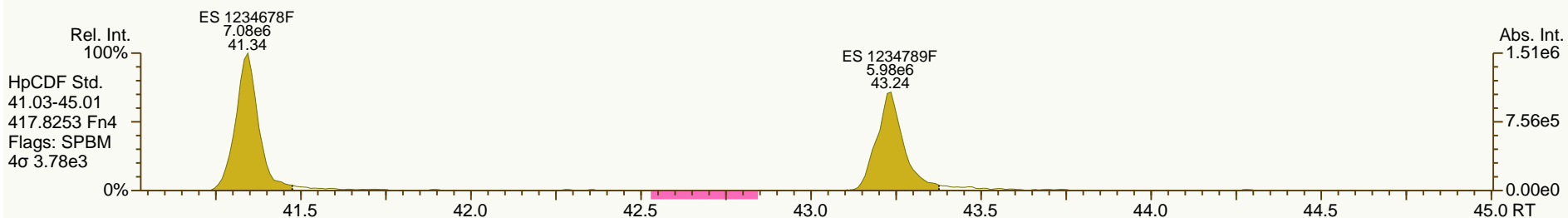
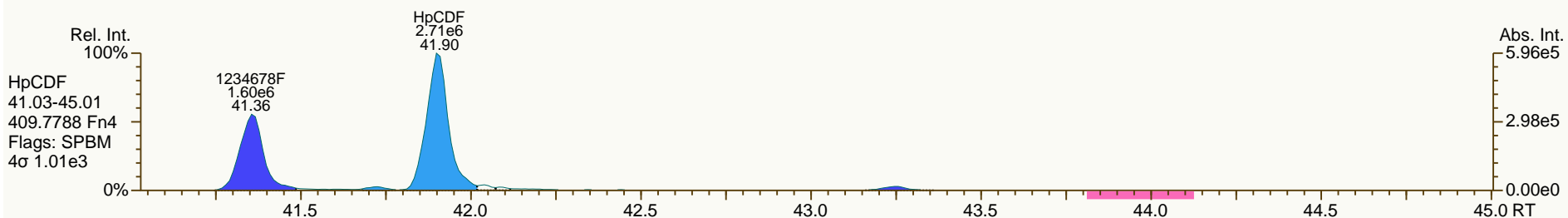
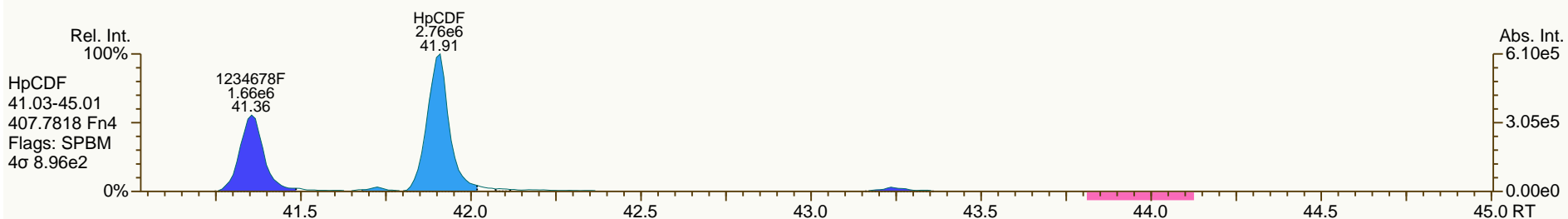
Sample ID: JW-EA10-SS41-120507
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 78

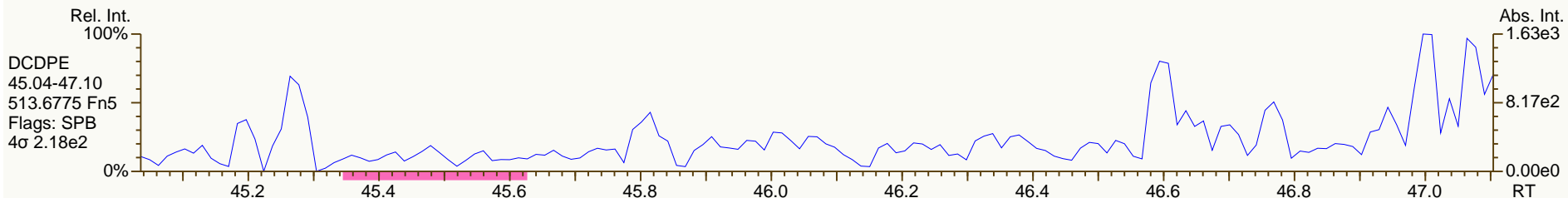
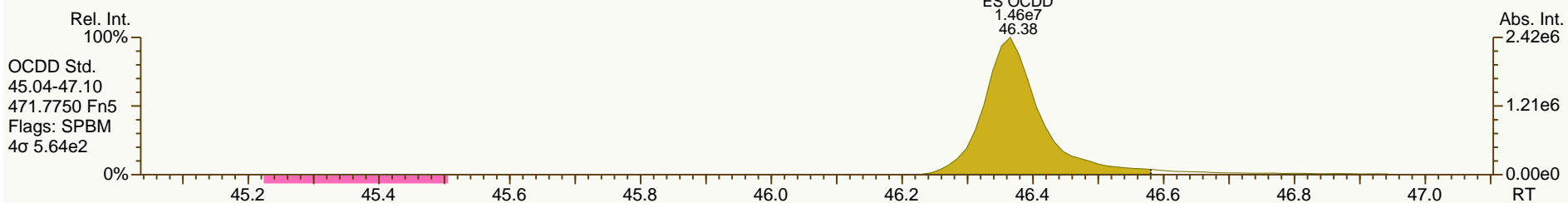
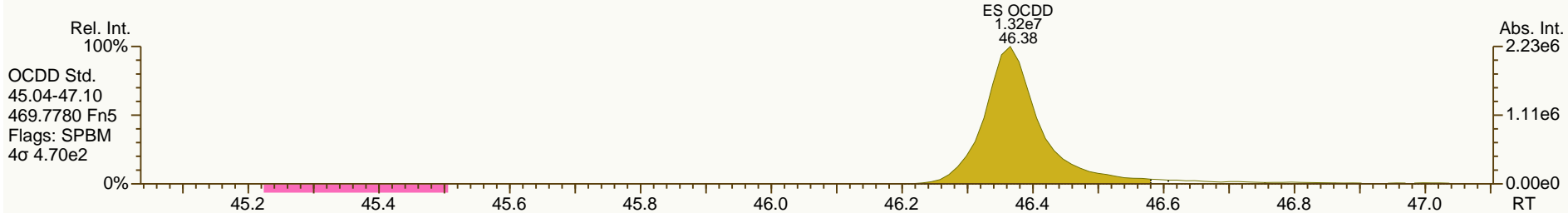
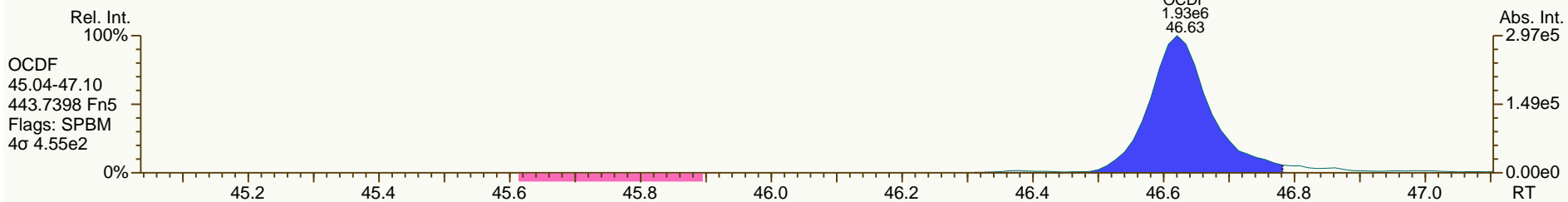
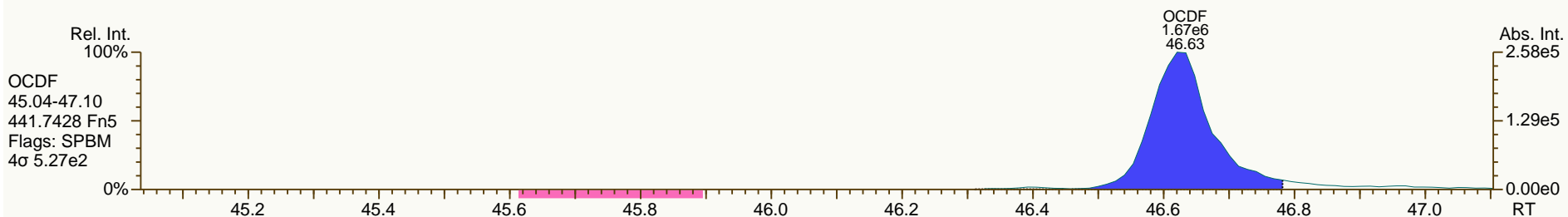
Acq: 28-OCT-2012 12:18:49
User: MDC Datafile: 121028P1-05











Quantify Sample Summary Report

MassLynx 4.1

Confirms Sample Summary

Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time

Printed: Wednesday, 11/14/2012 10:57:43 AM Eastern Standard Time

TM 11-14-12

Method: C:\MassLynx\Default.PRO\MethDB\VF\Xms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11

Calibration: C:\MassLynx\Default.PRO\CurveDB\VF\Xms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-8

Date: 13-Nov-2012

Time: 16:36:32

ID: 31203251005

User: JHL

Submitter:

Task: HRMS3

	Name	Response	Ion1Area	Ion2Area	RA	RAFail?	MRRF	RT	Conc	EDL	SN1	SN2	M	Height1	Noise1	Height2	Noise2	Smp Size	FV
1	2378-TCDF	9.761e3	4.513e3	5.249e3	0.86	NO	1.218	21.26	2.614	0.2223	29.9	30.0	MM	5.970e4	2000	6.765e4	2258	15.74	20
2	ES:13C-2378-TCDF	3.896e5	1.707e5	2.189e5	0.78	NO	1.655	21.23	113.008	0.4285	590.9	730.8	bb	2.188e6	3703	2.719e6	3720	15.74	20
3	JS:13C-1234-TCDD	2.647e5	1.121e5	1.526e5	0.73	NO	1.000	21.13	127.065	0.7837	344.8	469.2	bb	1.409e6	4086	1.932e6	4118	15.74	20
4	Tetrafurans	-	2.931e4	-	-	-	1.218	-	17.143	0.2223	-	-	-	3.504e5	2000	-	-	15.74	20
5	F1 Lock Mass	-	-	-	-	-	-	-	-	-	-	-	-	-	99627	-	-	1.00	1

$$[TCDF] = \frac{9.761e3}{3.896e5} \left(\frac{2000\mu g}{15.74g \times 0.647} \right) \left(\frac{1}{1.21803} \right) = 4.04 \mu g/g$$

TM 11-14-12

Quantify Sample Report MassLynx 4.1

Confirms Sample Summary

Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time

Printed: Wednesday, 11/14/2012 10:57:43 AM Eastern Standard Time

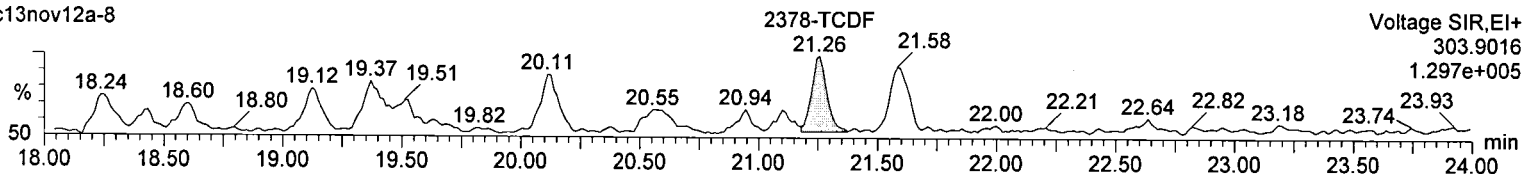
Method: C:\MassLynx\Default.PRO\MethDB\VFxms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-8, ID: 31203251005

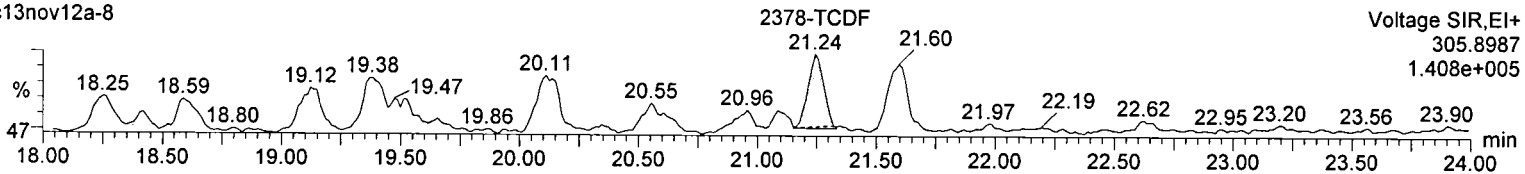
TCDF

c13nov12a-8



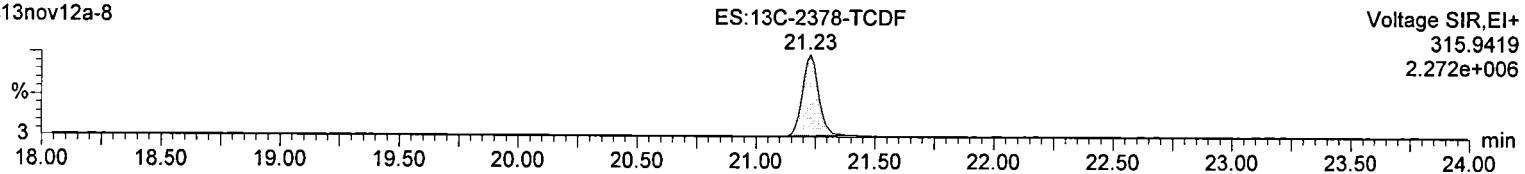
TCDF

c13nov12a-8



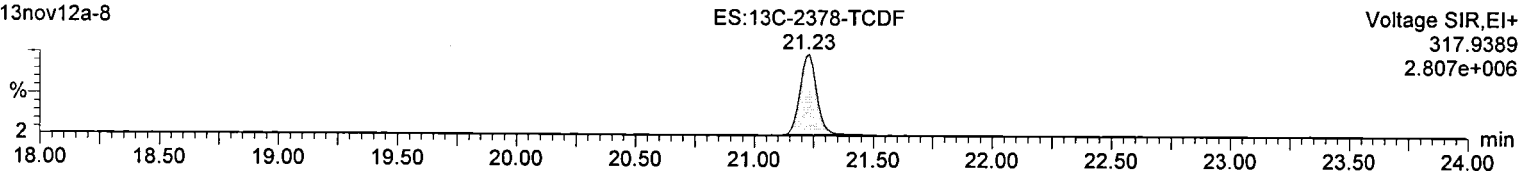
13C-TCDF

c13nov12a-8



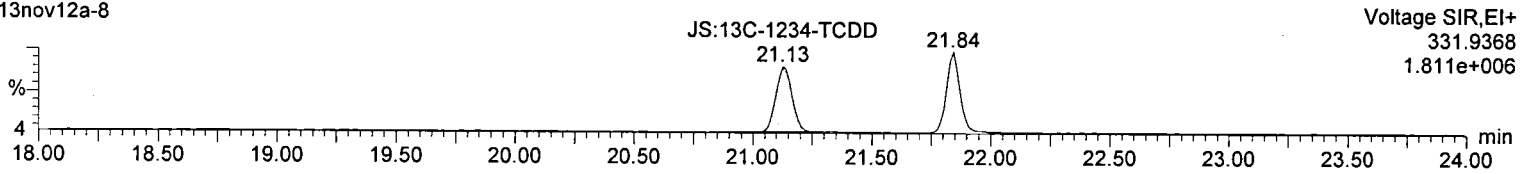
13C-TCDF

c13nov12a-8



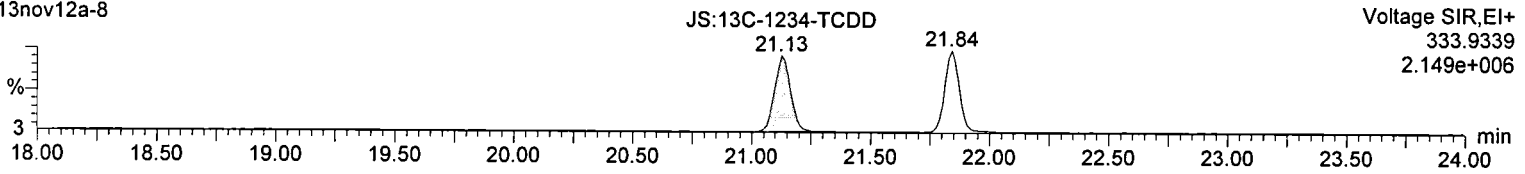
13C-TCDD

c13nov12a-8



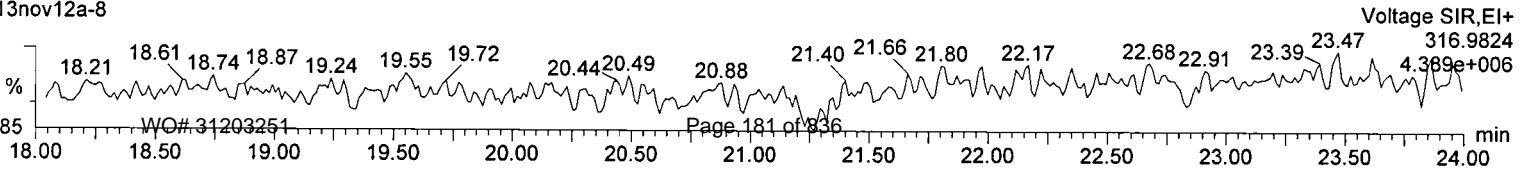
13C-TCDD

c13nov12a-8



F1 Lock Mass

c13nov12a-8



Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time

Printed: Wednesday, 11/14/2012 10:59:59 AM Eastern Standard Time

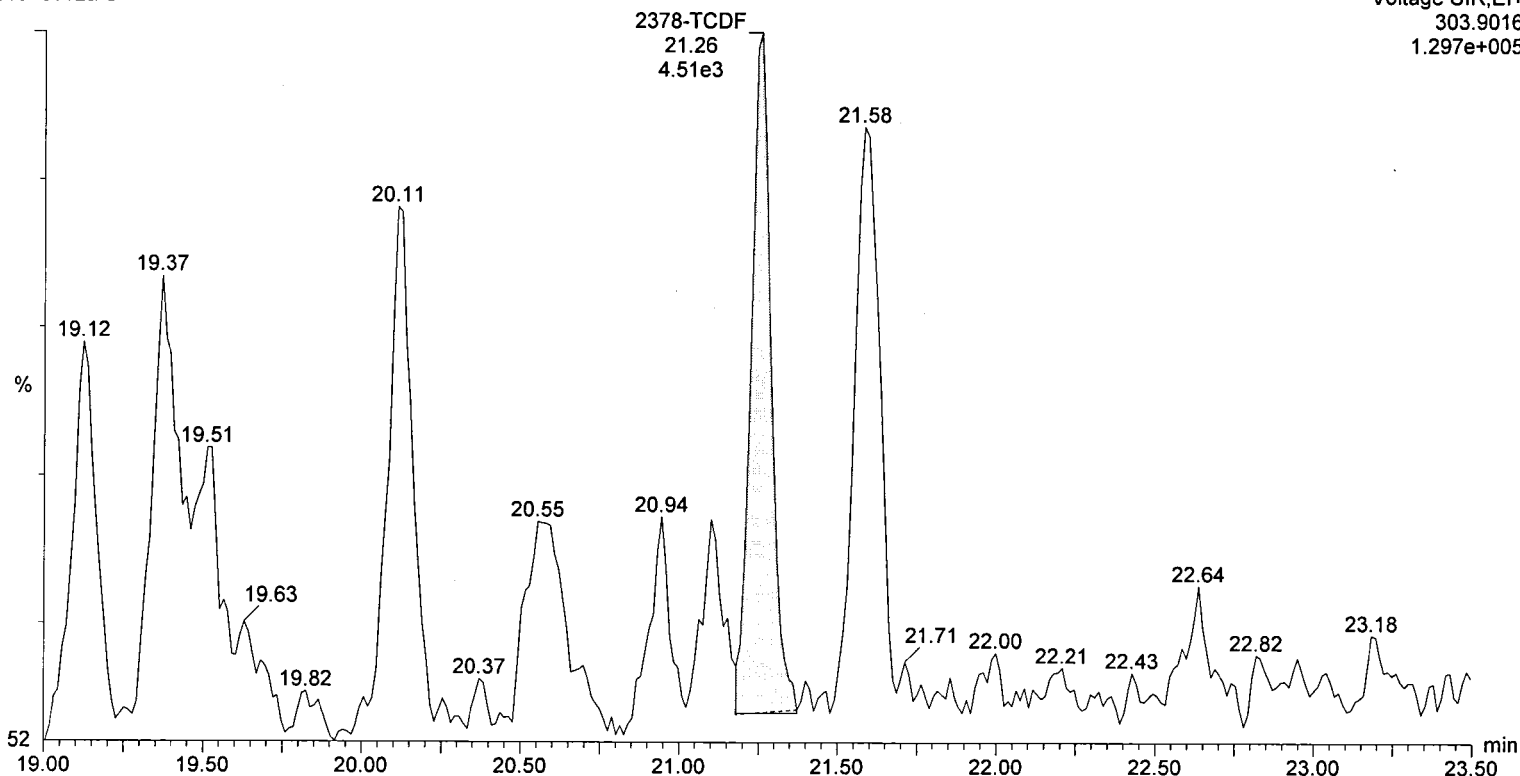
ms
ll 11/14/12

Name: c13nov12a-8, ID: 31203251005

TCDF

c13nov12a-8

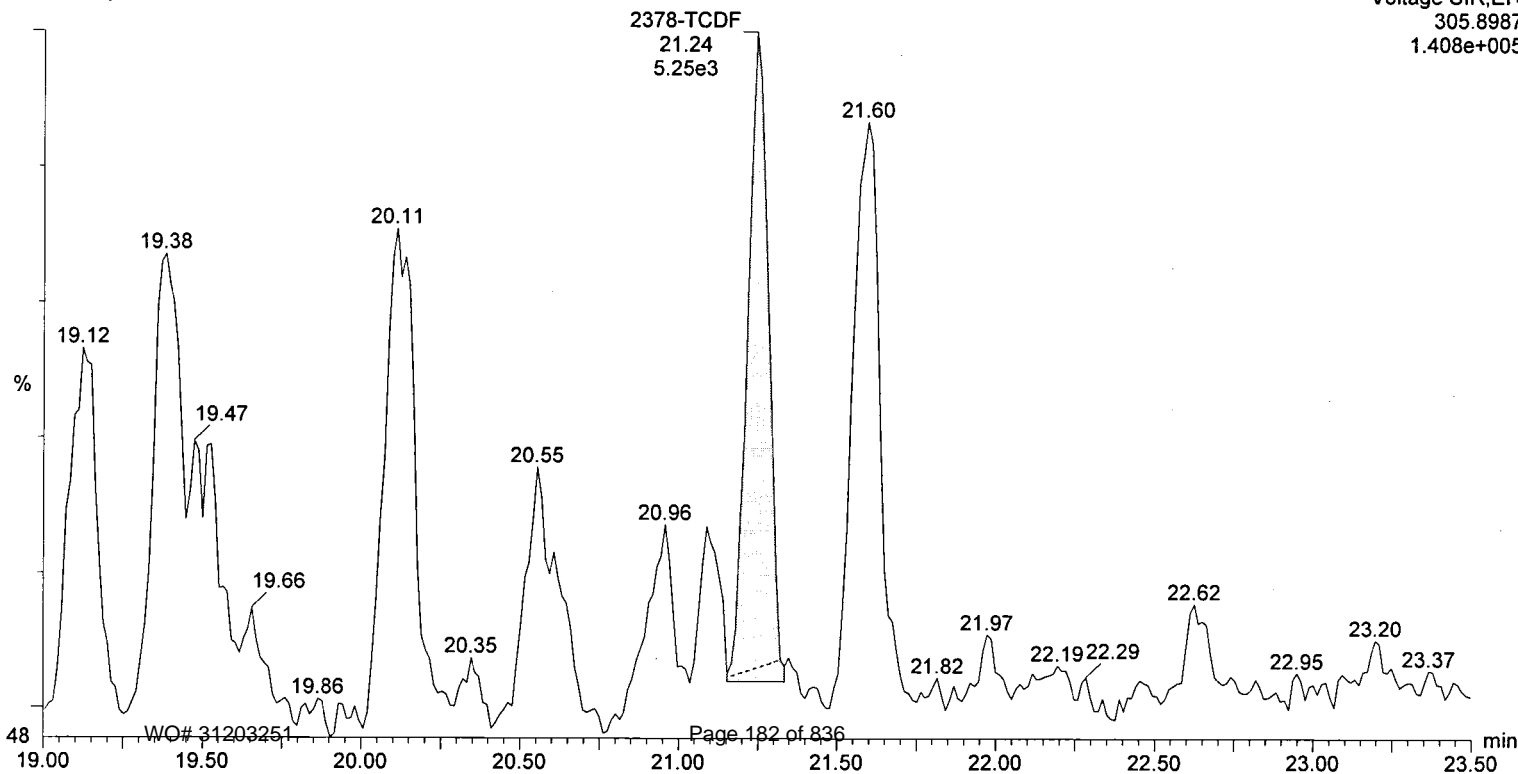
Voltage SIR,EI+
303.9016
1.297e+005



TCDF

c13nov12a-8

Voltage SIR,EI+
305.8987
1.408e+005



Results of JW-EA10-SS42-120507

Client Sample ID: **JW-EA10-SS42-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251006-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 09:03
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 58.80

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
2,3,7,8-TCDD	0.531			0.0863	0.491	pg/g	27.55	0.84
1,2,3,7,8-PeCDD	1.16		J	0.104	2.46	pg/g	33.85	1.52
1,2,3,4,7,8-HxCDD	1.85		J	0.209	2.46	pg/g	38.50	1.13
1,2,3,6,7,8-HxCDD	6.87			0.215	2.46	pg/g	38.63	1.23
1,2,3,7,8,9-HxCDD	4.01			0.213	2.46	pg/g	38.97	1.25
1,2,3,4,6,7,8-HpCDD	89.4			0.509	2.46	pg/g	42.66	1.03
OCDD	848			0.248	4.91	pg/g	46.41	0.90
2,3,7,8-TCDF	3.45			0.0589	0.491	pg/g	26.55	0.79
2,3,7,8-TCDF [confirm]	2.94			0.362	2.07	pg/g	21.23	0.88
1,2,3,7,8-PeCDF	0.949		J	0.0960	2.46	pg/g	32.11	1.49
2,3,4,7,8-PeCDF	1.87		J	0.0959	2.46	pg/g	33.45	1.48
1,2,3,4,7,8-HxCDF	1.81		J	0.105	2.46	pg/g	37.33	1.28
1,2,3,6,7,8-HxCDF	1.41		J	0.0973	2.46	pg/g	37.49	1.31
2,3,4,6,7,8-HxCDF	1.57		J	0.0974	2.46	pg/g	38.28	1.27
1,2,3,7,8,9-HxCDF	ND		U	0.160	2.46	pg/g		
1,2,3,4,6,7,8-HpCDF	17.3			0.127	2.46	pg/g	41.38	0.99
1,2,3,4,7,8,9-HpCDF	1.00		J	0.183	2.46	pg/g	43.26	1.12
OCDF	34.8			0.135	4.91	pg/g	46.65	0.89
Total TCDD	44.5	45.3		0.0863	0.491	pg/g		
Total TCDF	40.9	41.9		0.0589	0.491	pg/g		
Total PeCDD	36.1			0.104	2.46	pg/g		
Total PeCDF	20.6	22.6		0.0959	2.46	pg/g		
Total HxCDD	82.5	83.6		0.212	2.46	pg/g		
Total HxCDF	30.4			0.112	2.46	pg/g		
Total HpCDD	206			0.509	2.46	pg/g		
Total HpCDF	52.5			0.152	2.46	pg/g		

World Health Organization Summary

	<u>Units</u>	<u>ND=0</u>	<u>ND=½</u>	<u>ND=DL</u>
WHO-2005 TEQ	pg/g	5.67	5.68	5.68
WHO-2005 TEQ w/EMPC	pg/g	5.67	5.68	5.68

Results of JW-EA10-SS42-120507

Client Sample ID: **JW-EA10-SS42-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251006-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 09:03
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 58.80

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
13C-2378-TCDF	92.0				24.0-169	%		
13C-2378-TCDD	87.0				25.0-164	%		
13C-12378-PeCDD	75.0				25.0-181	%		
13C-123478-HxCDD	86.0				32.0-141	%		
13C-123678-HxCDD	82.0				28.0-130	%		
13C-1234678-HpCDD	95.0				23.0-140	%		
13C-OCDD	81.0				17.0-157	%		
13C-2378-TCDF	83.0				24.0-169	%		
13C-12378-PeCDF	67.0				24.0-185	%		
13C-23478-PeCDF	66.0				21.0-178	%		
13C-123478-HxCDF	83.0				26.0-152	%		
13C-123678-HxCDF	92.0				26.0-123	%		
13C-234678-HxCDF	90.0				29.0-147	%		
13C-123789-HxCDF	81.0				28.0-136	%		
13C-1234678-HpCDF	81.0				28.0-143	%		
13C-1234789-HpCDF	87.0				26.0-138	%		
37Cl-2378-TCDD	97.0				35.0-197	%		

Batch Information

Analytical Batch: **HRD1905**
 Analytical Method: **EPA 1613B**
 Instrument: **APHRMS**
 Analyst: **MDC**
 Analytical Date/Time: **10/28/2012 16:34**

Prep Batch: **HXX1816**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/16/2012 15:46**
 Prep Initial Wt./Vol.: **17.34 g**
 Prep Extract Vol: **20 uL**

Analytical Batch: **HRD1933**
 Analytical Method: **EPA 1613B**
 Instrument: **HRMS3**
 Analyst: **JHL**
 Analytical Date/Time: **11/13/2012 18:22**

Prep Batch: **HXX1816**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/16/2012 15:46**
 Prep Initial Wt./Vol.: **17.34 g**
 Prep Extract Vol: **20 uL**

Lab ID: A4723_10237_DF_006

Client ID: JW-EA10-SS42-120507

Datafile: 121028P1-10

REVIEWED

By Tamara Morgan at 2:41 pm, 10/31/12

Acq'd: 28 Oct 2012 16:34 MDC

UTP: 29-Oct-2012 12:27 MDC

Report: 29 Oct 2012 13:43 MC

Wt/Vol: 10.19 g

J-level: 0.491 pg/g Split: 1

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

ICAL: 1613_SGS

Checkcode: 561-234-SHH

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.55		1.0009	1.0008	-0.2	8.78E+04	0.84	Y	1.08	0.531	1151	0.0863
12378-PeCDD	33.85		1.0006	1.0004	-0.4	1.38E+05	1.52	Y	1.07	1.16	1027	0.104
123478-HxCDD	38.50		1.0004	1.0004	0	1.71E+05	1.13	Y	1.05	1.85	1752	0.209
123678-HxCDD	38.63		1.0039	1.0039	0	6.37E+05	1.23	Y	0.98	6.87	1752	0.214
123789-HxCDD	38.97		1.0129	1.0128	-0.2	3.70E+05	1.25	Y	1.01	4.01	1752	0.213
1234678-HpCDD	42.66		1.0005	1.0004	-0.3	8.01E+06	1.03	Y	1.09	89.3	4179	0.509
OCDD	46.41		1.0005	1.0005	0	5.23E+07	0.90	Y	1.11	847	1033	0.248
2378-TCDF	26.55		1.0009	1.0009	0	8.15E+05	0.79	Y	0.98	3.45	1045	0.0588
12378-PeCDF	32.11		1.0007	1.0005	-0.4	1.59E+05	1.49	Y	0.99	0.949	1387	0.0959
23478-PeCDF	33.45		1.0006	1.0009	+0.6	3.13E+05	1.48	Y	1.02	1.87	1387	0.0958
123478-HxCDF	37.33		1.0006	1.0004	-0.4	2.48E+05	1.28	Y	1.19	1.8	1416	0.105
123678-HxCDF	37.49		1.0005	1.0005	0	2.29E+05	1.31	Y	1.16	1.41	1416	0.0972
234678-HxCDF	38.28		1.0006	1.0003	-0.7	2.44E+05	1.27	Y	1.18	1.57	1416	0.0973
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.09	-	1416	0.16
1234678-HpCDF	41.38		1.0004	1.0003	-0.2	2.18E+06	0.99	Y	1.35	17.3	1602	0.127
1234789-HpCDF	43.26		1.0004	1.0002	-0.5	1.04E+05	1.12	Y	1.34	0.999	1602	0.183
OCDF	46.65		1.0057	1.0057	0	2.71E+06	0.89	Y	1.40	34.8	706	0.134

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.52	1.0281	1.0280	-0.2	3.00E+07	0.79	Y	1.04	86.8
ES 12378-PeCDD	33.83	1.2639	1.2636	-0.5	2.17E+07	1.58	Y	0.87	75.4
ES 123478-HxCDD	38.48	0.9876	0.9876	0	1.73E+07	1.28	Y	0.94	86
ES 123678-HxCDD	38.61	0.9910	0.9910	0	1.85E+07	1.30	Y	1.06	81.6
ES 1234678-HpCDD	42.64	1.0943	1.0945	+0.5	1.62E+07	1.06	Y	0.80	94.6
ES OCDD	46.39	1.1907	1.1907	0	2.19E+07	0.91	Y	0.63	81.1
ES 2378-TCDF	26.53	0.9907	0.9908	+0.2	4.76E+07	0.79	Y	1.74	82.7
ES 12378-PeCDF	32.10	1.1992	1.1988	-0.6	3.33E+07	1.53	Y	1.49	67.3
ES 23478-PeCDF	33.42	1.2484	1.2480	-0.6	3.24E+07	1.53	Y	1.48	65.9
ES 123478-HxCDF	37.31	0.9577	0.9577	0	2.27E+07	0.52	Y	1.27	83.3
ES 123678-HxCDF	37.47	0.9619	0.9619	0	2.76E+07	0.53	Y	1.41	91.4
ES 234678-HxCDF	38.26	0.9821	0.9821	0	2.59E+07	0.53	Y	1.34	90
ES 123789-HxCDF	39.39	1.0108	1.0110	+0.5	2.08E+07	0.53	Y	1.20	80.6
ES 1234678-HpCDF	41.37	1.0618	1.0618	0	1.83E+07	0.46	Y	1.06	80.8
ES 1234789-HpCDF	43.25	1.1100	1.1101	+0.2	1.52E+07	0.44	Y	0.82	86.7

Lab ID: A4723_10237_DF_006

Acq'd: 28 Oct 2012 16:34 MDC

Wt/Vol: 10.19 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS42-120507

UTP: 29-Oct-2012 12:27 MDC

J-level: 0.491 pg/g Split: 1

Checkcode: 561-234-SHH

Datafile: 121028P1-10

Report: 29 Oct 2012 13:43 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37Cl)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.77		-	-	-	3.31E+07	0.79	Y	-	-
JS 123789-HxCDD	38.96		-	-	-	2.14E+07	1.27	Y	-	-
CS 37Cl-2378-TCDD	27.55		1.0291	1.0289	-0.3	7.56E+06	n/a	-	1.17	97.4
SS 37Cl-2378-TCDD	27.55	NA	1.0291	1.0289	-0.3	7.56E+06	n/a	-	1.12	112

Totals	Conc	EMPC	EDL
Total TCDD	44.4	45.2	0.0863
Total PeCDD	36.1	36.1	0.104
Total HxCDD	82.5	83.5	0.212
Total HpCDD	206	206	0.509
Total Tetra-Octa Dioxins	1220	1220	
Total TCDF	40.8	41.8	0.0588
Total PeCDF	20.6	22.6	0.0958
Total HxCDF	30.4	30.4	0.112
Total HpCDF	52.4	52.4	0.152
Total Tetra-Octa Furans	179	182	
Total Tetra-Octa Dioxins & Furans	1390	1400	

Lab ID: A4723_10237_DF_006

Acq'd: 28 Oct 2012 16:34 MDC

Wt/Vol: 10.19 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS42-120507

UTP: 29-Oct-2012 12:27 MDC

J-level: 0.491 pg/g Split: 1

Checkcode: 561-234-SHH

Datafile: 121028P1-10

Report: 29 Oct 2012 13:43 MC

Std (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
TCDD	23.42		0.8504	0.8511	+1.2	2.72E+06	0.77	Y	1.08	16.5	1151	0.0863
TCDD	23.83		0.8649	0.8658	+1.5	1.90E+06	0.83	Y	1.08	11.5	1151	0.0863
TCDD	24.30		0.8835	0.8827	-1.3	7.62E+04	0.67	Y	1.08	0.46	1151	0.0863
TCDD	25.18		0.9152	0.9147	-0.8	5.54E+05	0.78	Y	1.08	3.35	1151	0.0863
TCDD	25.45		0.9241	0.9247	+1.0	3.28E+05	0.83	Y	1.08	1.98	1151	0.0863
TCDD	25.68		0.9327	0.9328	+0.2	3.64E+05	0.78	Y	1.08	2.2	1151	0.0863
TCDD	25.88		0.9408	0.9403	-0.8	9.92E+04	0.80	Y	1.08	0.6	1151	0.0863
TCDD	26.17		0.9512	0.9506	-1.0	3.41E+04	0.79	Y	1.08	0.206	1151	0.0863
TCDD	26.36		0.9580	0.9578	-0.3	9.23E+04	0.73	Y	1.08	0.558	1151	0.0863
TCDD	26.79		0.9736	0.9735	-0.2	6.37E+05	0.79	Y	1.08	3.85	1151	0.0863
TCDD	26.92		0.9785	0.9782	-0.5	3.53E+04	0.96	N	1.08	0.213	1151	0.0863
TCDD	27.23		0.9884	0.9893	+1.5	4.56E+05	0.85	Y	1.08	2.76	1151	0.0863
TCDD	27.37		0.9945	0.9945	0	3.98E+04	1.27	N	1.08	0.24	1151	0.0863
2378-TCDD	27.55		1.0009	1.0008	-0.2	8.78E+04	0.84	Y	1.08	0.531	1151	0.0863
TCDD	27.94		1.0147	1.0152	+0.8	6.00E+04	1.05	N	1.08	0.363	1151	0.0863
TCDD	NotFnd		1.0206						1.08		1151	0.0863
TCDD	NotFnd		1.0423						1.08		1151	0.0863
PeCDD	30.89		0.9131	0.9130	-0.2	1.02E+06	1.57	Y	1.07	8.59	1027	0.104
PeCDD	31.51		0.9319	0.9314	-1.0	8.34E+04	1.36	Y	1.07	0.704	1027	0.104
PeCDD	32.17		0.9511	0.9508	-0.6	1.19E+06	1.51	Y	1.07	10.1	1027	0.104
PeCDD	32.38		0.9576	0.9572	-0.8	1.60E+05	1.58	Y	1.07	1.35	1027	0.104
PeCDD	32.52		0.9611	0.9611	0	1.02E+06	1.63	Y	1.07	8.58	1027	0.104
PeCDD	32.82		0.9703	0.9700	-0.6	1.75E+05	1.60	Y	1.07	1.48	1027	0.104
PeCDD	33.25		0.9829	0.9829	0	3.92E+05	1.38	Y	1.07	3.31	1027	0.104
12378-PeCDD	33.85		1.0006	1.0004	-0.4	1.38E+05	1.52	Y	1.07	1.16	1027	0.104
PeCDD	33.95		1.0039	1.0035	-0.8	4.88E+04	1.65	Y	1.07	0.411	1027	0.104
PeCDD	34.38		1.0161	1.0161	0	4.87E+04	1.40	Y	1.07	0.411	1027	0.104
HxCDD	36.46		0.9479	0.9477	-0.5	1.45E+06	1.26	Y	1.01	15.7	1752	0.212
HxCDD	37.25		0.9682	0.9680	-0.5	2.55E+06	1.22	Y	1.01	27.5	1752	0.212
HxCDD	37.60		0.9771	0.9772	+0.2	2.27E+06	1.24	Y	1.01	24.5	1752	0.212
HxCDD	37.74		0.9811	0.9809	-0.5	1.89E+05	1.34	Y	1.01	2.04	1752	0.212
123478-HxCDD	38.50		1.0004	1.0004	0	1.71E+05	1.13	Y	1.05	1.85	1752	0.209
123678-HxCDD	38.63		1.0039	1.0039	0	6.37E+05	1.23	Y	0.98	6.87	1752	0.214
HxCDD	38.85		1.0097	1.0097	0	9.57E+04	1.51	N	1.01	1.03	1752	0.212
123789-HxCDD	38.97		1.0129	1.0128	-0.2	3.70E+05	1.25	Y	1.01	4.01	1752	0.213

Lab ID: A4723_10237_DF_006

Acq'd: 28 Oct 2012 16:34 MDC

Wt/Vol: 10.19 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS42-120507

UTP: 29-Oct-2012 12:27 MDC

J-level: 0.491 pg/g Split: 1

Checkcode: 561-234-SHH

Datafile: 121028P1-10

Report: 29 Oct 2012 13:43 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
HpCDD	41.75		0.9793	0.9791	-0.5	1.04E+07	1.02	Y	1.09	116	4179	0.509
1234678-HpCDD	42.66		1.0005	1.0004	-0.3	8.01E+06	1.03	Y	1.09	89.3	4179	0.509
OCDD	46.41		1.0005	1.0005	0	5.23E+07	0.90	Y	1.11	847	1033	0.248
OCDD-a	46.39		1.0001	1.0000	-0.3	2.75E+06	2.57	Y	1.00	49.4	408	0.108
TCDF	21.21		0.7983	0.7997	+2.2	4.31E+05	0.74	Y	0.98	1.82	1045	0.0588
TCDF	21.78		0.8218	0.8209	-1.4	2.65E+05	0.71	Y	0.98	1.12	1045	0.0588
TCDF	22.44		0.8463	0.8457	-1.0	6.15E+05	0.75	Y	0.98	2.6	1045	0.0588
TCDF	22.86		0.8625	0.8617	-1.3	2.59E+05	0.81	Y	0.98	1.09	1045	0.0588
TCDF	23.01		0.8677	0.8674	-0.5	1.17E+06	0.74	Y	0.98	4.95	1045	0.0588
TCDF	23.28		0.8787	0.8776	-1.8	2.17E+05	0.76	Y	0.98	0.918	1045	0.0588
TCDF	23.43		0.8840	0.8831	-1.4	7.35E+05	0.80	Y	0.98	3.11	1045	0.0588
TCDF	23.85		0.8998	0.8992	-1.0	4.58E+05	0.81	Y	0.98	1.94	1045	0.0588
TCDF	24.00		0.9054	0.9046	-1.3	2.25E+05	0.70	Y	0.98	0.95	1045	0.0588
TCDF	24.19		0.9125	0.9118	-1.1	4.28E+05	0.77	Y	0.98	1.81	1045	0.0588
TCDF	24.60		0.9279	0.9275	-0.6	2.21E+05	0.71	Y	0.98	0.934	1045	0.0588
TCDF	24.76		0.9334	0.9333	-0.2	3.69E+05	0.76	Y	0.98	1.56	1045	0.0588
TCDF	24.93		0.9381	0.9396	+2.4	5.78E+05	0.81	Y	0.98	2.44	1045	0.0588
TCDF	25.04		0.9439	0.9439	0	5.56E+05	0.80	Y	0.98	2.35	1045	0.0588
TCDF	25.54		0.9630	0.9629	-0.2	6.22E+05	0.76	Y	0.98	2.63	1045	0.0588
TCDF	25.66		0.9674	0.9673	-0.2	8.67E+04	0.67	Y	0.98	0.367	1045	0.0588
TCDF	25.85		0.9746	0.9744	-0.3	2.50E+05	0.78	Y	0.98	1.06	1045	0.0588
TCDF	26.07		0.9829	0.9827	-0.3	1.90E+05	0.91	N	0.98	0.802	1045	0.0588
TCDF	26.30		0.9916	0.9914	-0.3	2.80E+05	0.83	Y	0.98	1.18	1045	0.0588
TCDF	26.42		0.9963	0.9959	-0.6	2.17E+05	0.84	Y	0.98	0.915	1045	0.0588
2378-TCDF	26.55		1.0009	1.0009	0	8.15E+05	0.79	Y	0.98	3.45	1045	0.0588
TCDF	26.97		1.0166	1.0167	+0.2	7.52E+05	0.81	Y	0.98	3.18	1045	0.0588
TCDF	27.26		1.0274	1.0275	+0.2	5.09E+04	0.92	N	0.98	0.215	1045	0.0588
TCDF	NotFnd		1.0390						0.98		1045	0.0588
TCDF	28.86		1.0886	1.0879	-1.1	1.08E+05	0.76	Y	0.98	0.456	1045	0.0588
PeCDF	28.84		0.8975	0.8986	+2.1	1.35E+06	1.56	Y	1.00	8.08	1102	0.0761
PeCDF	30.61		0.9542	0.9539	-0.6	2.65E+05	1.37	Y	1.00	1.58	1387	0.0958
PeCDF	30.80		0.9587	0.9595	+1.5	6.53E+05	1.49	Y	1.00	3.9	1387	0.0958
PeCDF	30.88		0.9636	0.9622	-2.7	1.82E+05	1.57	Y	1.00	1.09	1387	0.0958
PeCDF	31.00		0.9671	0.9658	-2.5	5.52E+04	2.07	N	1.00	0.329	1387	0.0958
PeCDF	31.30		0.9760	0.9753	-1.3	5.20E+04	1.06	N	1.00	0.31	1387	0.0958
PeCDF	31.48		0.9810	0.9807	-0.6	2.39E+04	1.16	N	1.00	0.142	1387	0.0958

Lab ID: A4723_10237_DF_006

Acq'd: 28 Oct 2012 16:34 MDC

Wt/Vol: 10.19 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS42-120507

UTP: 29-Oct-2012 12:27 MDC

J-level: 0.491 pg/g Split: 1

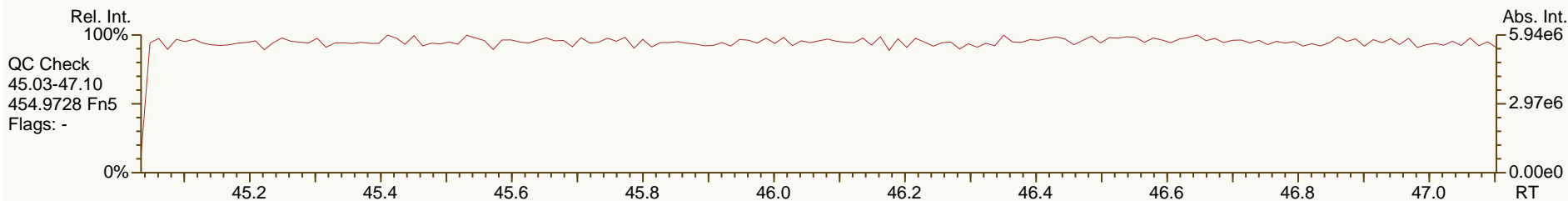
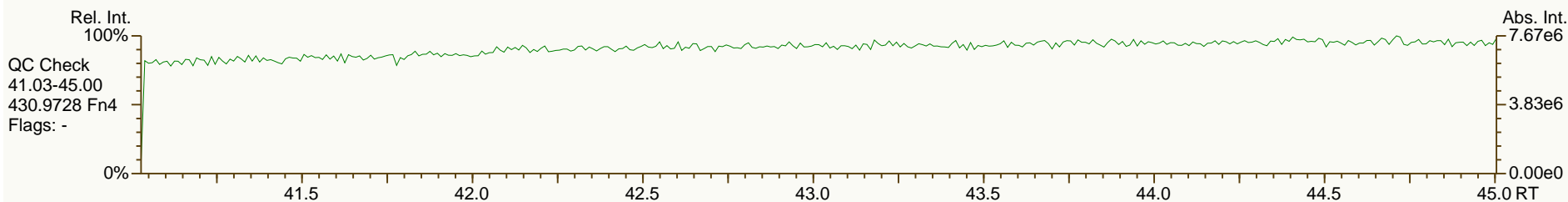
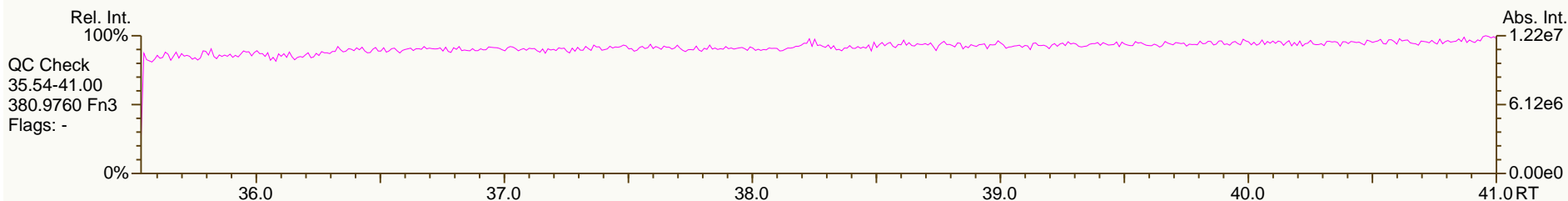
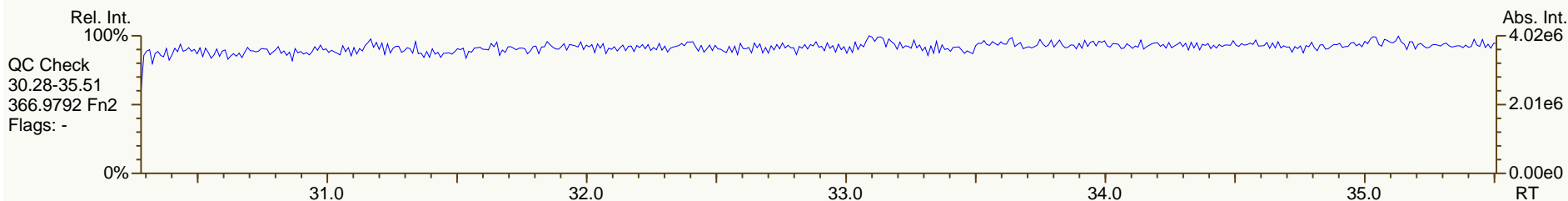
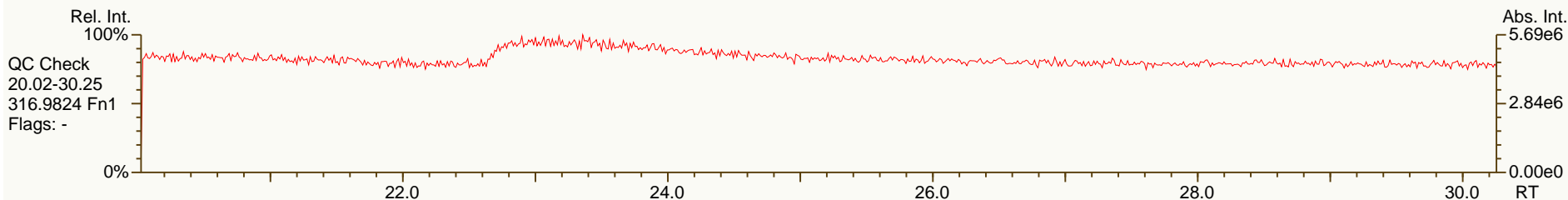
Checkcode: 561-234-SHH

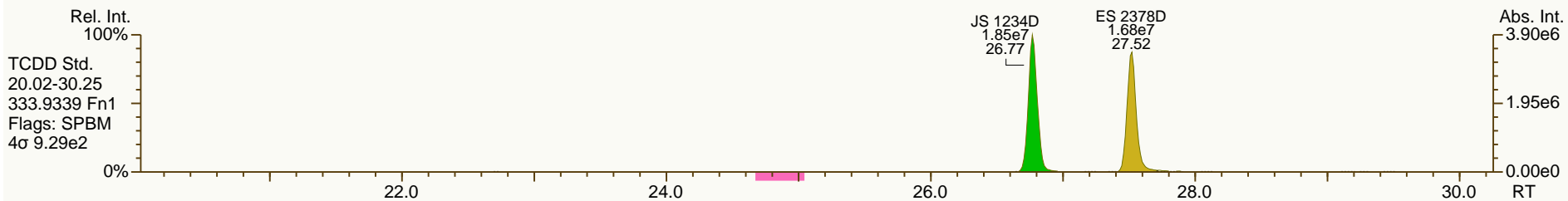
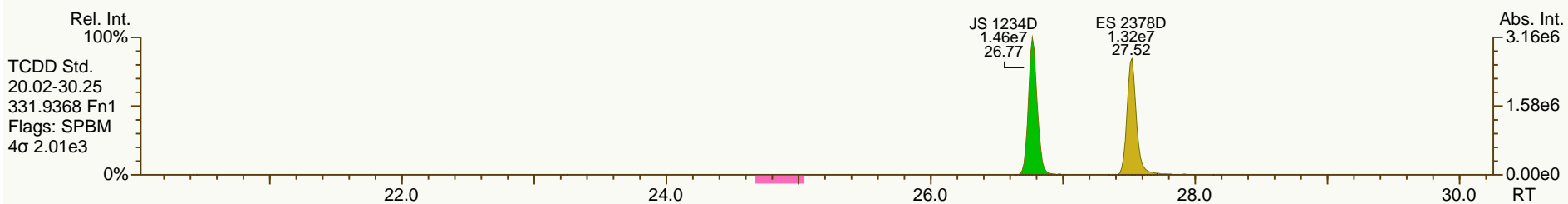
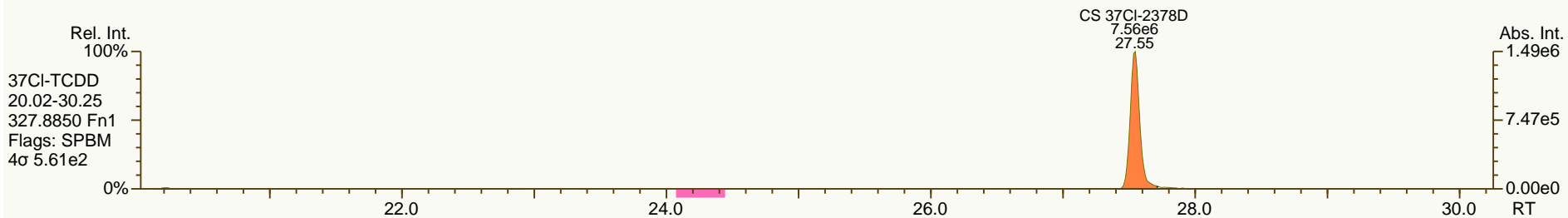
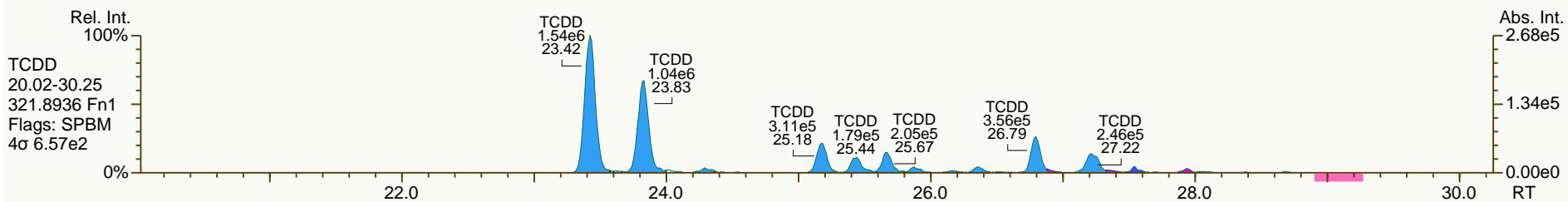
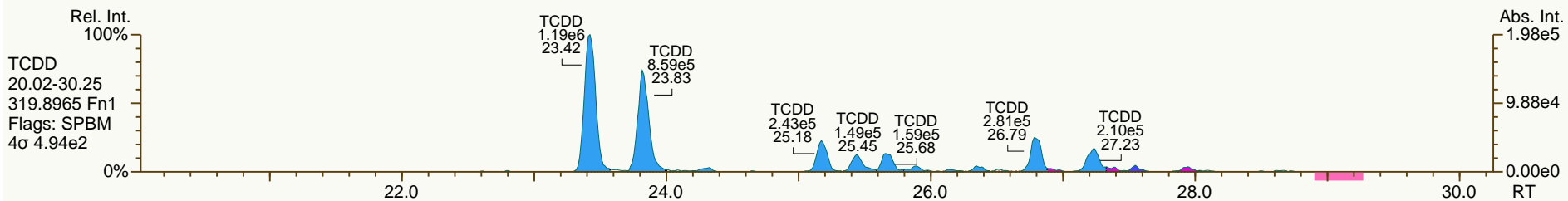
Datafile: 121028P1-10

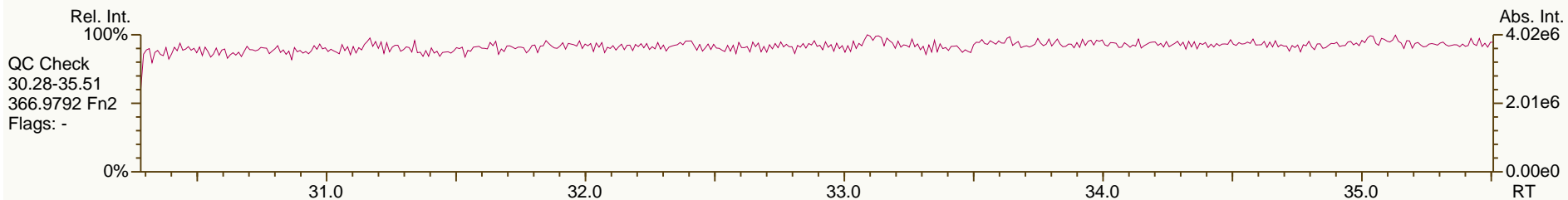
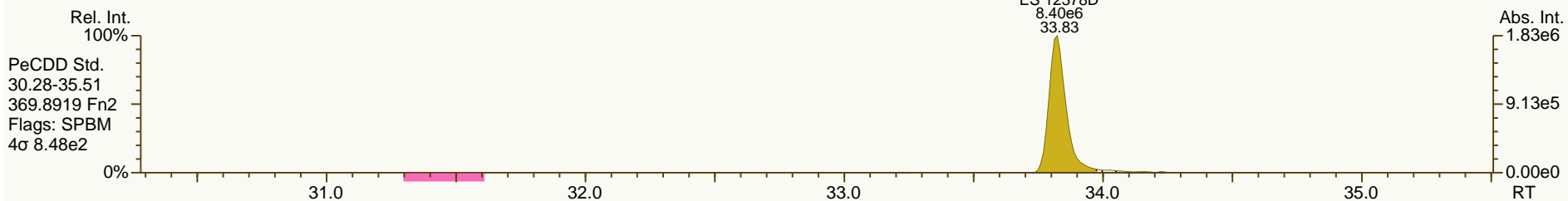
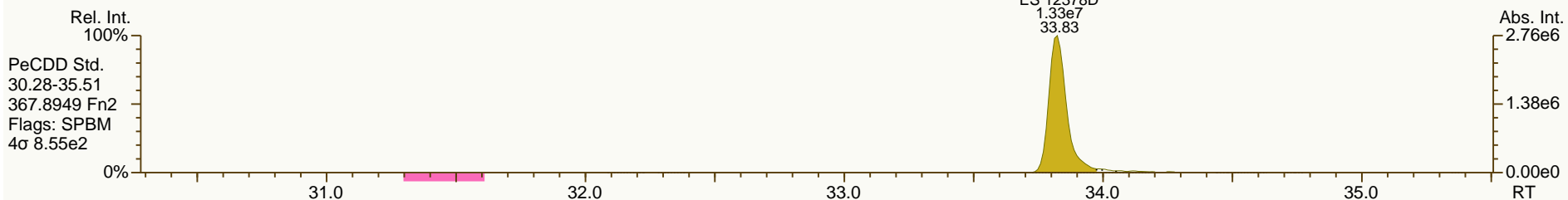
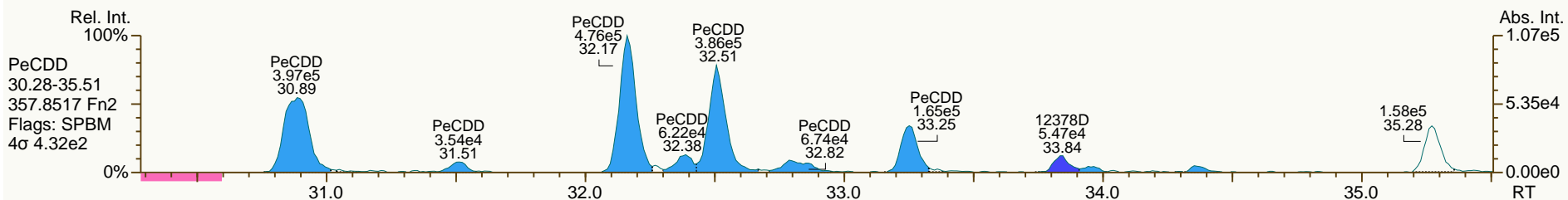
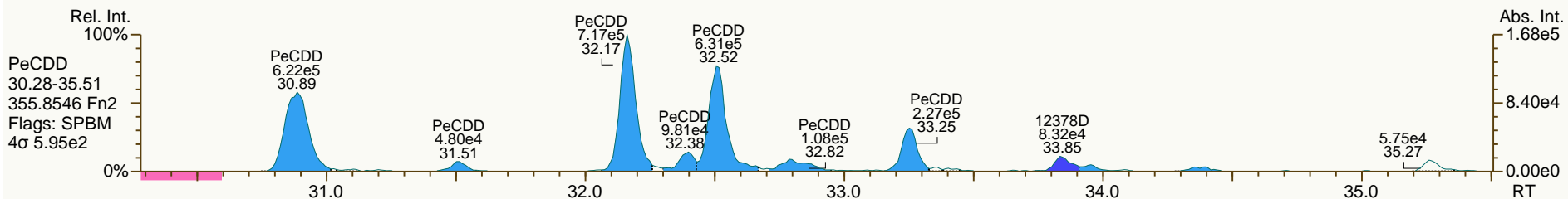
Report: 29 Oct 2012 13:43 MC

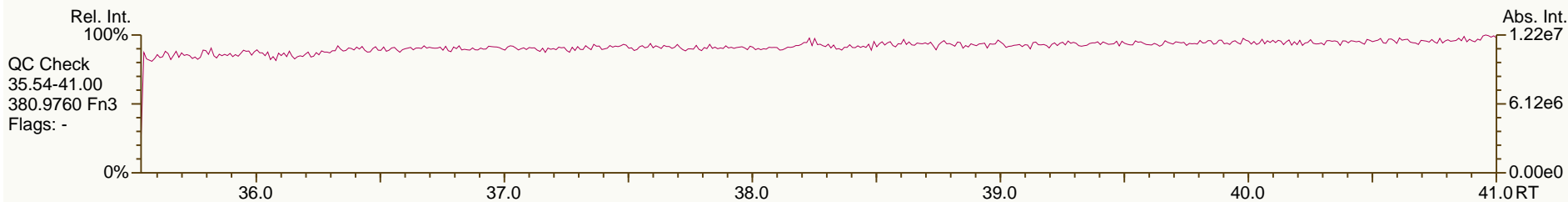
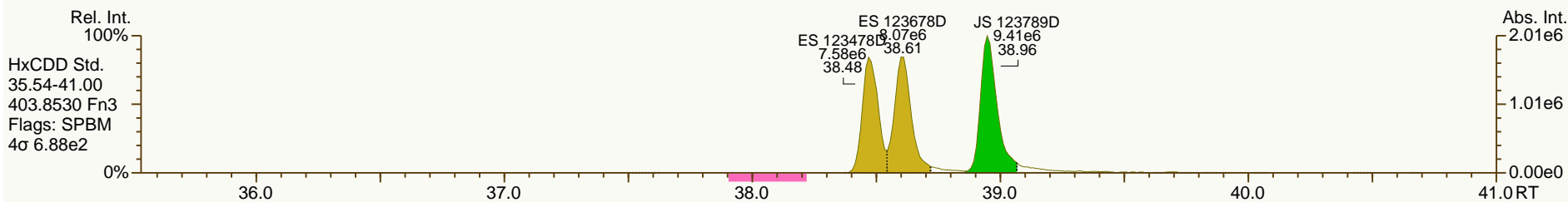
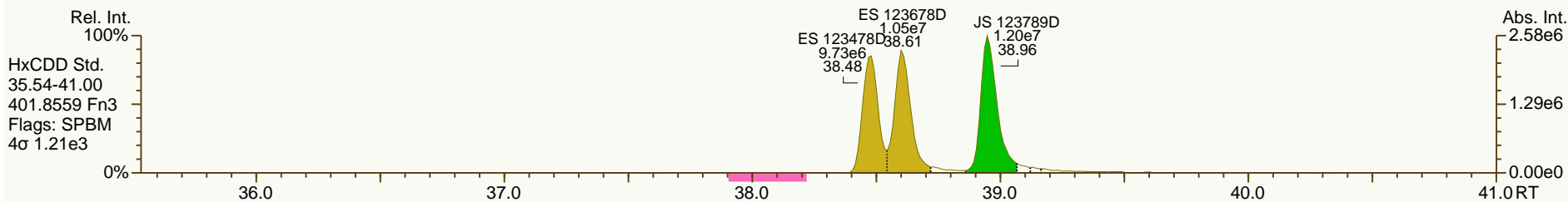
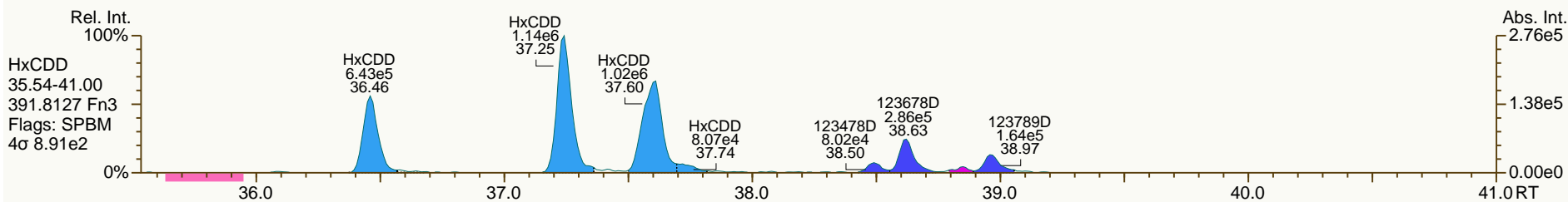
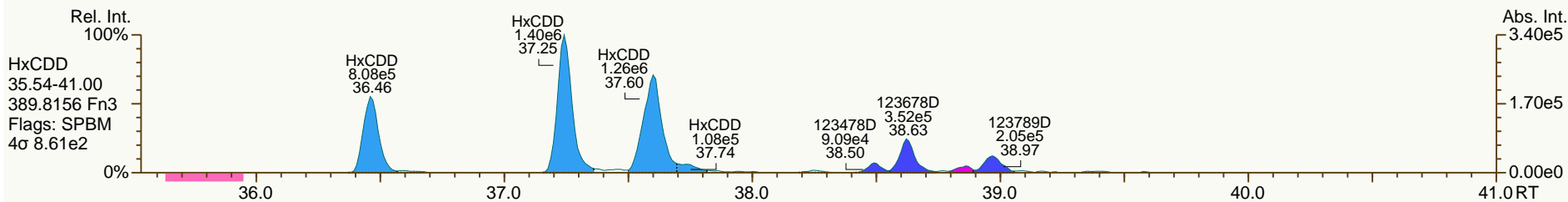
Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

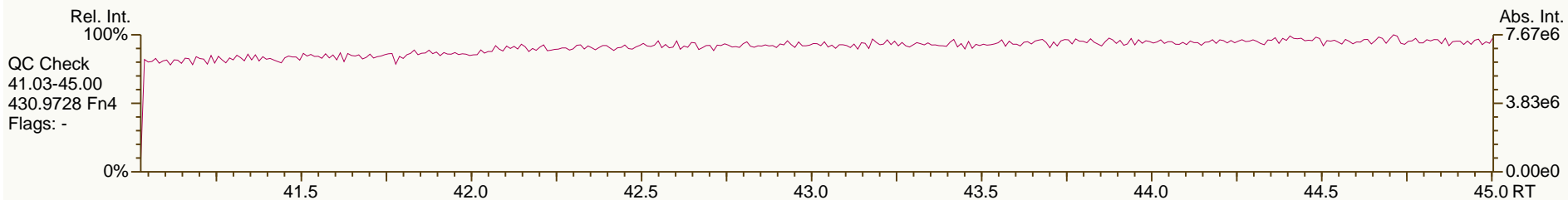
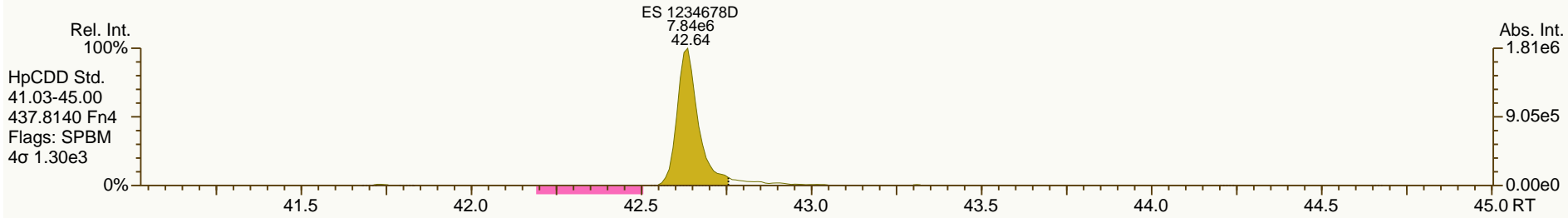
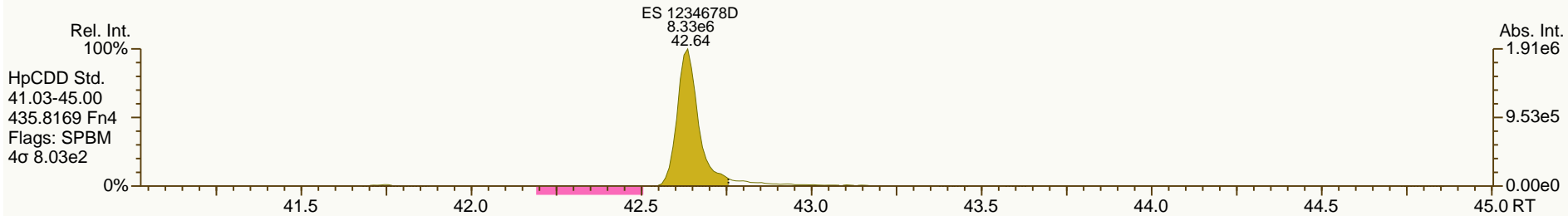
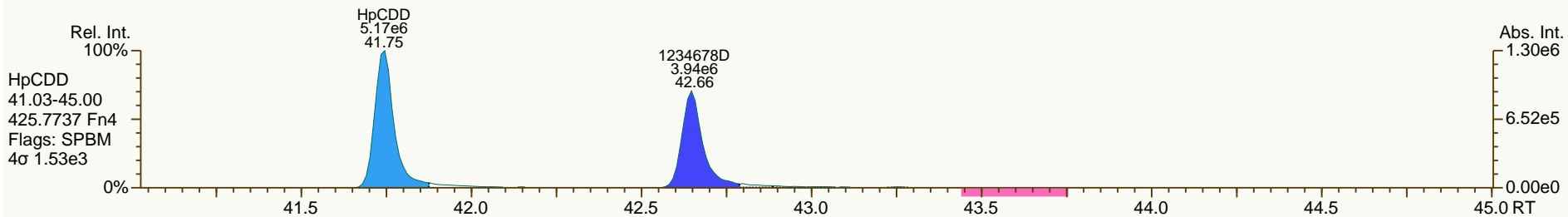
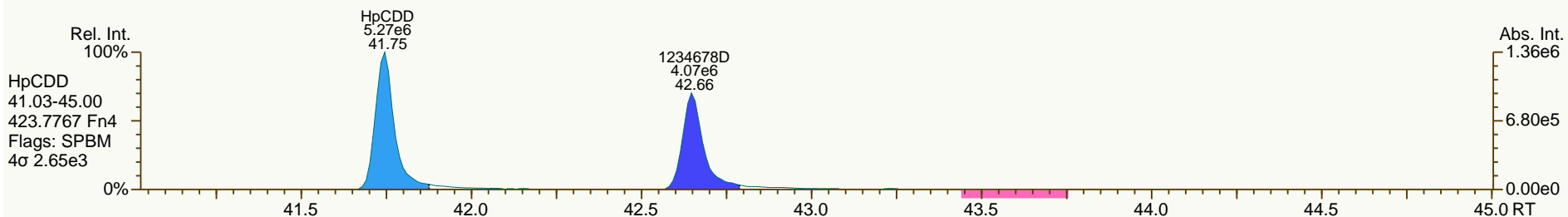
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
PeCDF	31.59		0.9847	0.9842	-1.0	2.44E+05	1.52	Y	1.00	1.45	1387	0.0958
PeCDF	31.68		0.9870	0.9871	+0.2	7.20E+04	1.64	Y	1.00	0.43	1387	0.0958
PeCDF	31.87		0.9930	0.9929	-0.2	6.67E+04	1.46	Y	1.00	0.398	1387	0.0958
12378-PeCDF	32.11		1.0007	1.0005	-0.4	1.59E+05	1.49	Y	0.99	0.949	1387	0.0959
PeCDF	32.44		1.0113	1.0108	-1.0	2.03E+05	1.28	N	1.00	1.21	1387	0.0958
PeCDF	NotFnd		1.0169						1.00		1387	0.0958
PeCDF	33.12		0.9917	0.9912	-1.0	3.15E+04	1.61	Y	1.00	0.188	1387	0.0958
PeCDF	33.29		0.9962	0.9962	0	1.14E+05	1.32	Y	1.00	0.678	1387	0.0958
23478-PeCDF	33.45		1.0006	1.0009	+0.6	3.13E+05	1.48	Y	1.02	1.87	1387	0.0958
PeCDF	NotFnd		0.0000						1.02		0	0
PeCDF	NotFnd		1.0023						1.00		1387	0.0958
PeCDF	NotFnd		1.0120						1.00		1387	0.0958
PeCDF	NotFnd		1.0389						1.00		1387	0.0958
HxCDF	35.68		0.9565	0.9562	-0.7	4.43E+05	1.29	Y	1.15	3.11	1416	0.112
HxCDF	35.91		0.9627	0.9626	-0.2	1.44E+06	1.26	Y	1.15	10.1	1416	0.112
HxCDF	NotFnd		0.9700						1.15		1416	0.112
HxCDF	36.42		0.9762	0.9762	0	5.93E+04	1.41	Y	1.15	0.416	1416	0.112
HxCDF	36.69		0.9833	0.9834	+0.2	1.49E+06	1.22	Y	1.15	10.4	1416	0.112
HxCDF	37.18		0.9968	0.9965	-0.7	8.36E+04	1.36	Y	1.15	0.587	1416	0.112
123478-HxCDF	37.33		1.0006	1.0004	-0.4	2.48E+05	1.28	Y	1.19	1.8	1416	0.105
123678-HxCDF	37.49		1.0005	1.0005	0	2.29E+05	1.31	Y	1.16	1.41	1416	0.0972
HxCDF	NotFnd		1.0055						1.15		1416	0.112
HxCDF	37.83		1.0102	1.0095	-1.6	2.36E+04	1.08	Y	1.15	0.166	1416	0.112
HxCDF	37.98		0.9933	0.9927	-1.4	3.43E+04	1.42	Y	1.15	0.241	1416	0.112
234678-HxCDF	38.28		1.0006	1.0003	-0.7	2.44E+05	1.27	Y	1.18	1.57	1416	0.0973
HxCDF	NotFnd		0.0000						1.18		0	0
HxCDF	NotFnd		1.0009						1.15		1416	0.112
123789-HxCDF	NotFnd		1.0005						1.09		1416	0.16
HxCDF	NotFnd		0.0000						1.09		0	0
123489-HxCDF	39.43		1.0013	1.0011	-0.5	7.06E+04	1.20	Y	1.15	0.496	1416	0.112
1234678-HpCDF	41.38		1.0004	1.0003	-0.2	2.18E+06	0.99	Y	1.35	17.3	1602	0.127
HpCDF	41.75		1.0091	1.0092	+0.2	9.15E+04	1.08	Y	1.34	0.796	1602	0.152
HpCDF	41.93		1.0140	1.0136	-1.0	3.83E+06	1.02	Y	1.34	33.3	1602	0.152
1234789-HpCDF	43.26		1.0004	1.0002	-0.5	1.04E+05	1.12	Y	1.34	0.999	1602	0.183
OCDF	46.65		1.0057	1.0057	0	2.71E+06	0.89	Y	1.40	34.8	706	0.134
OCDF-a	46.62		1.0053	1.0050	-0.8	1.39E+05	2.14	Y	1.00	2.49	1128	0.3

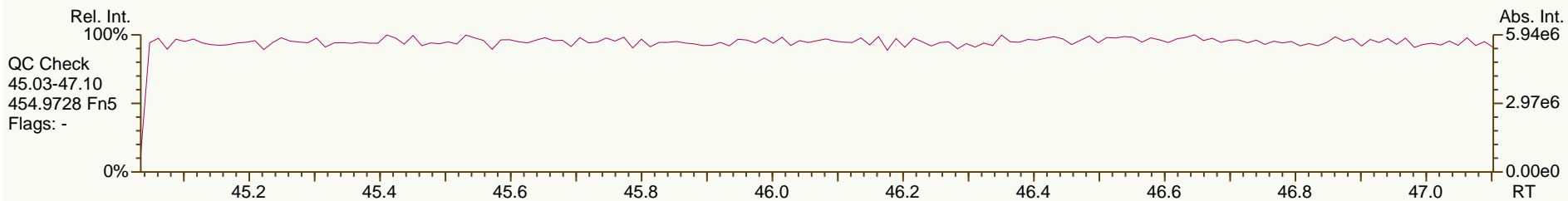
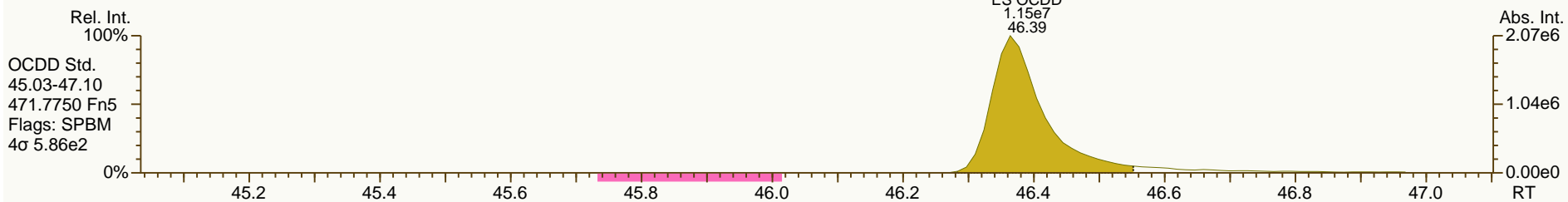
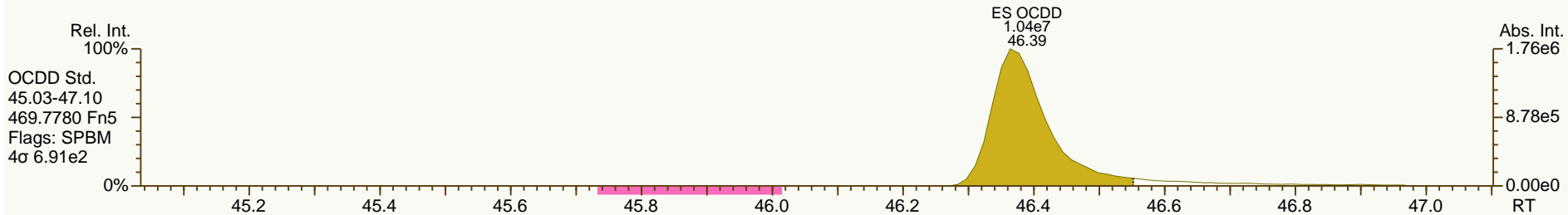
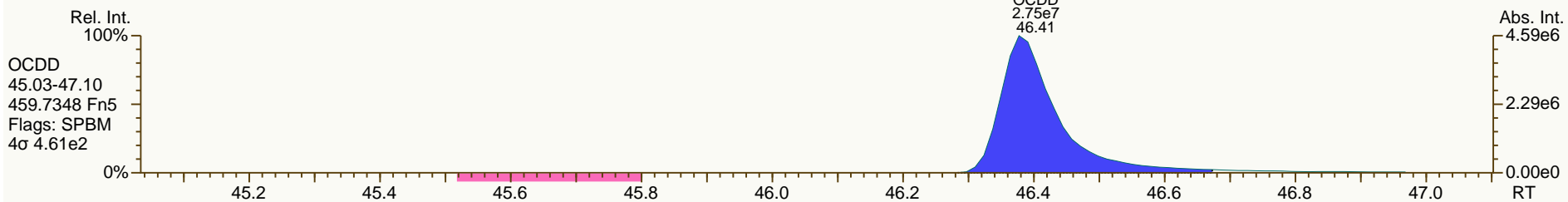
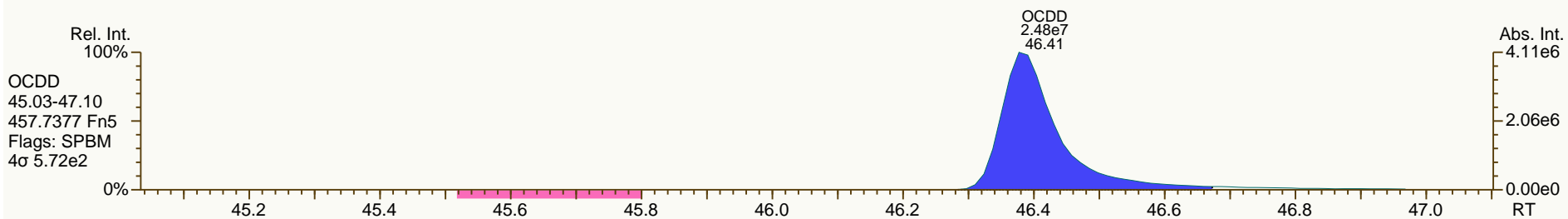


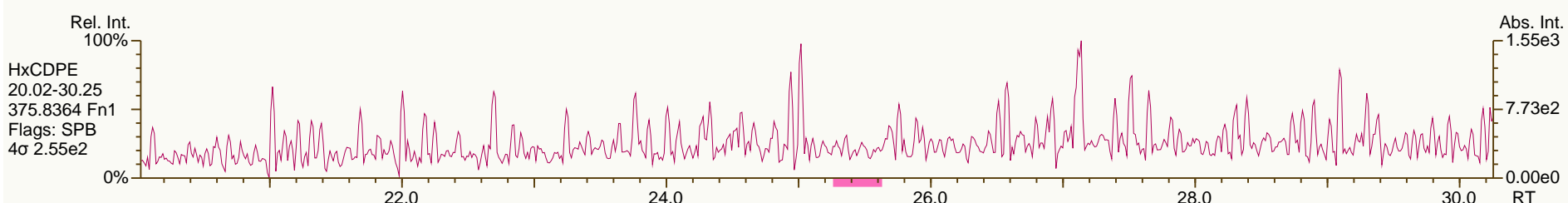
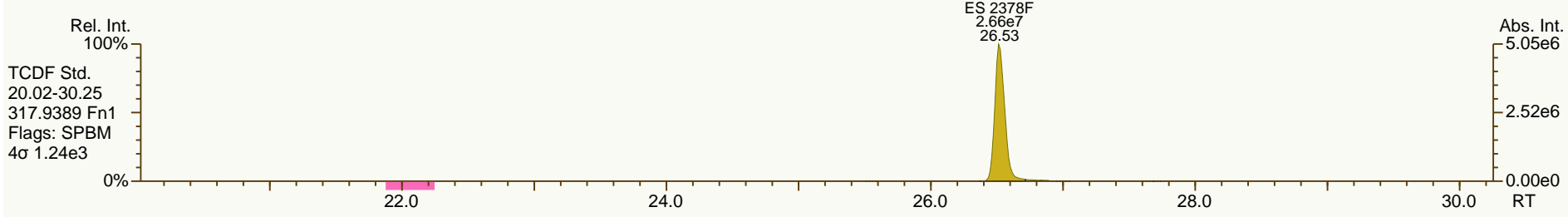
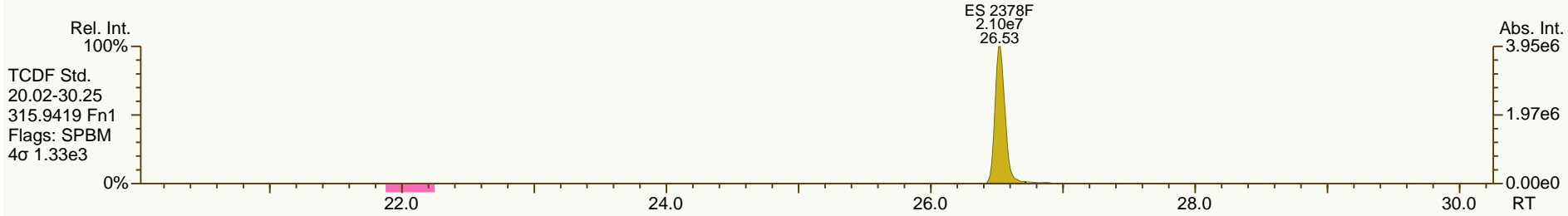
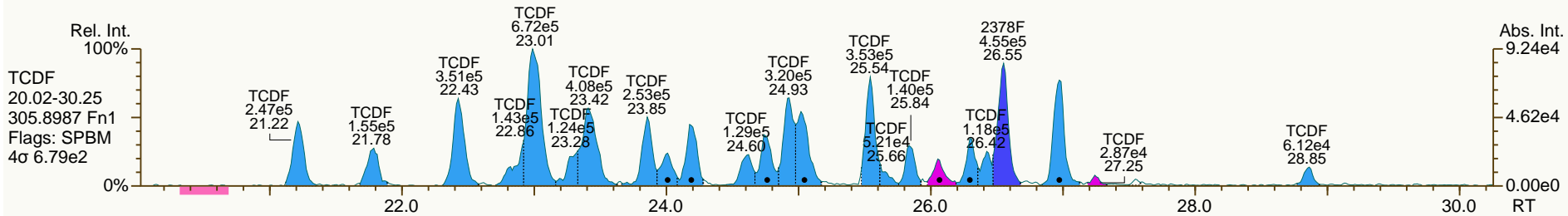
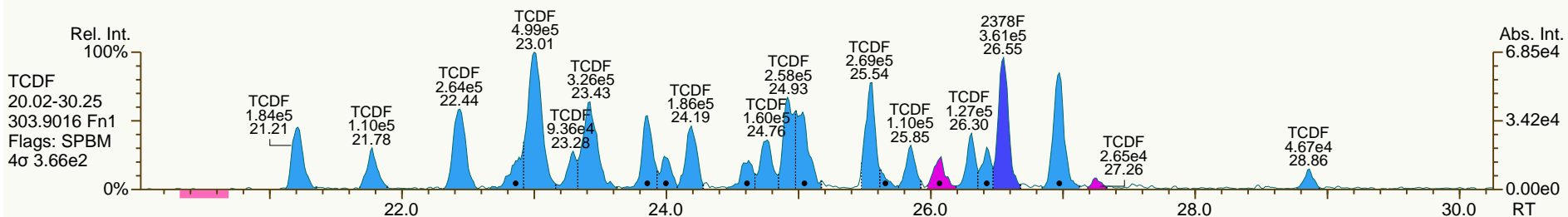


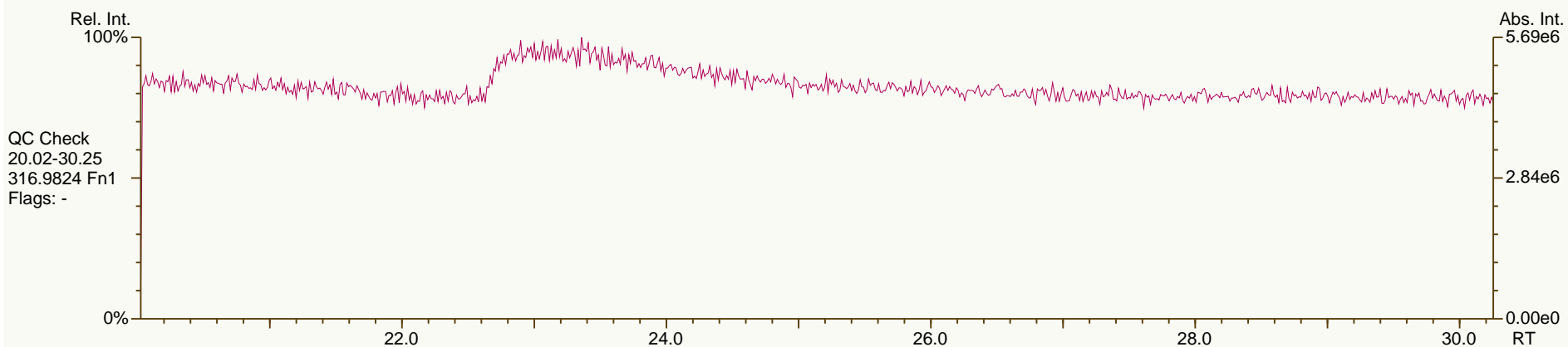
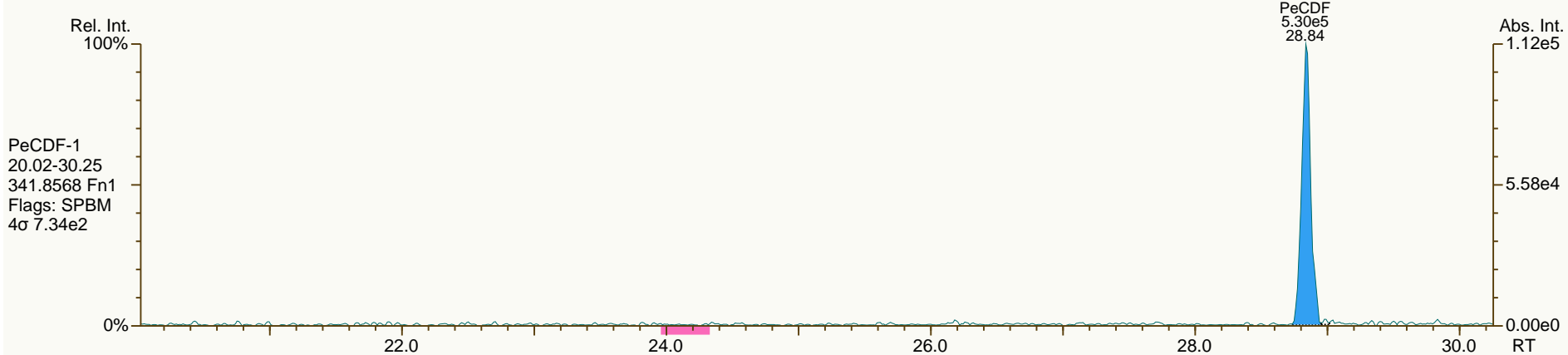
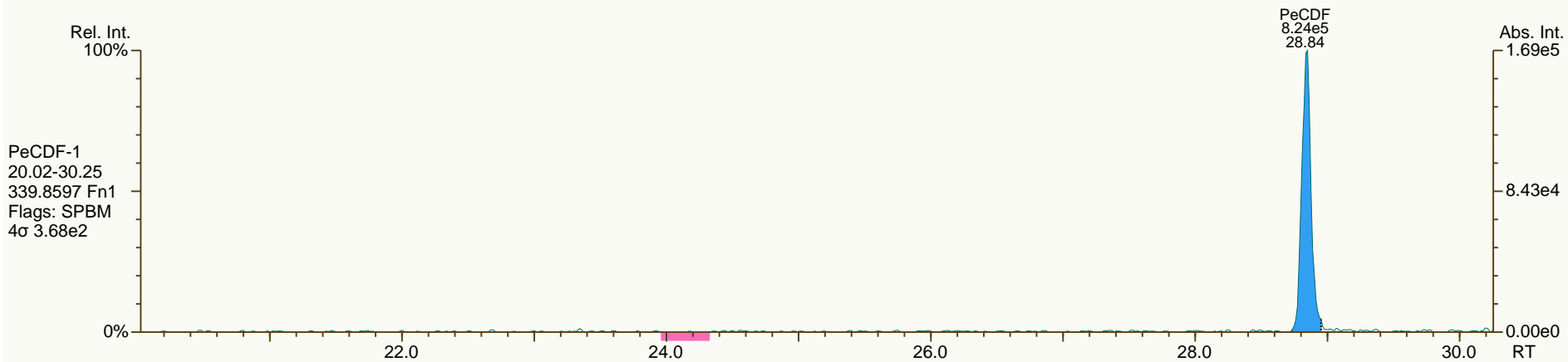


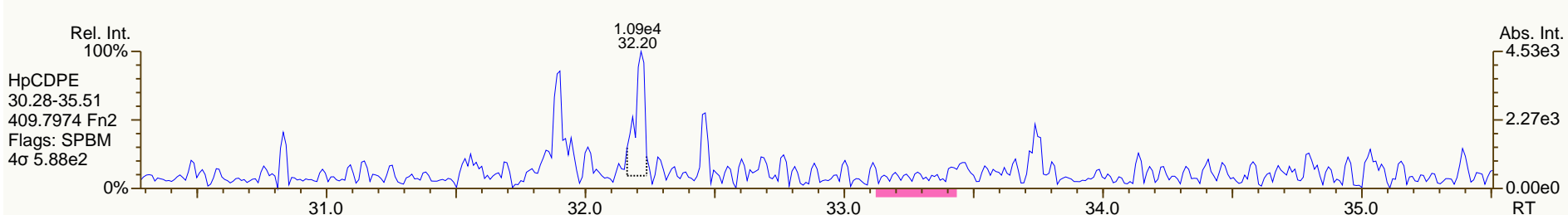
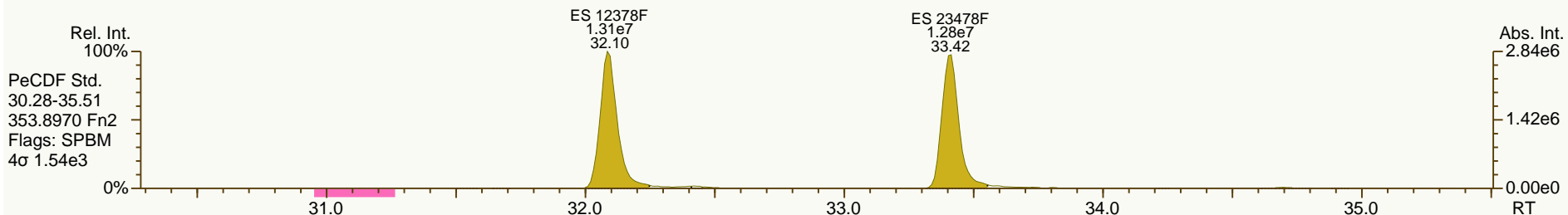
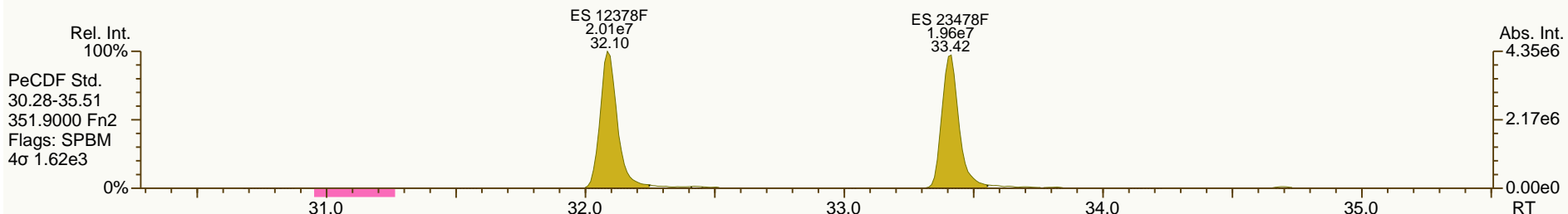
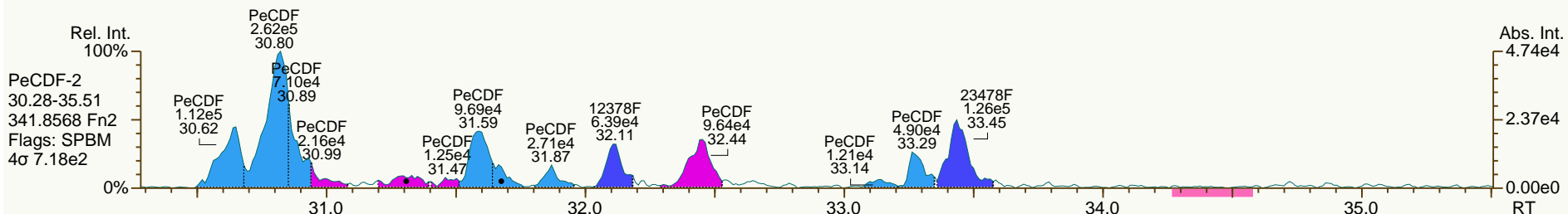
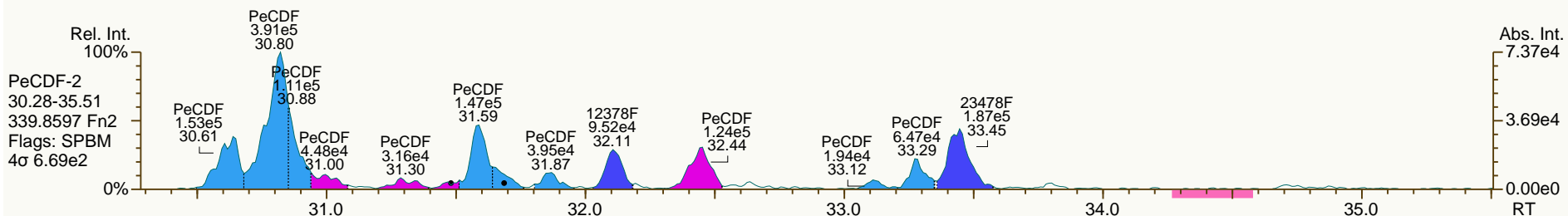


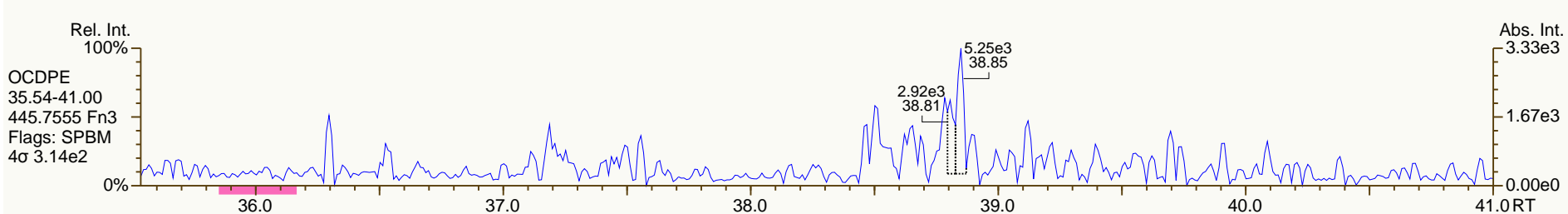
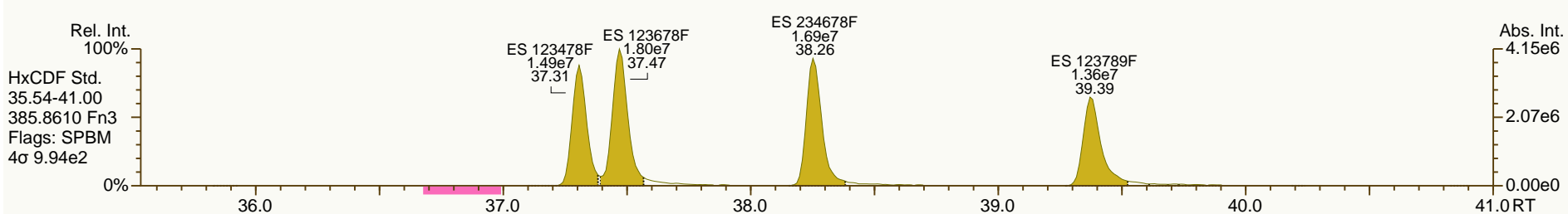
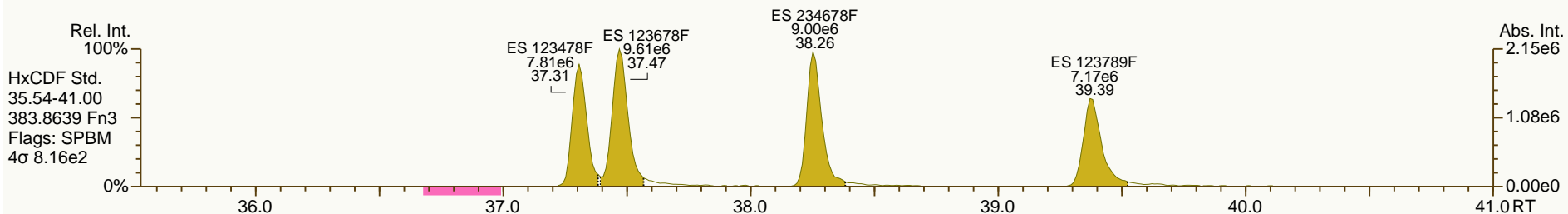
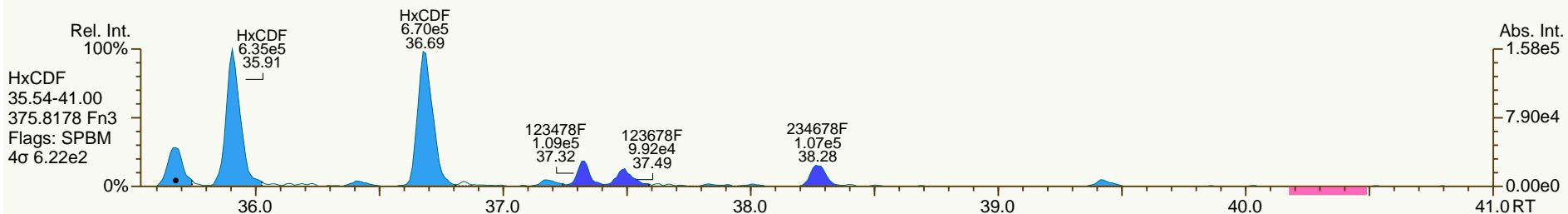
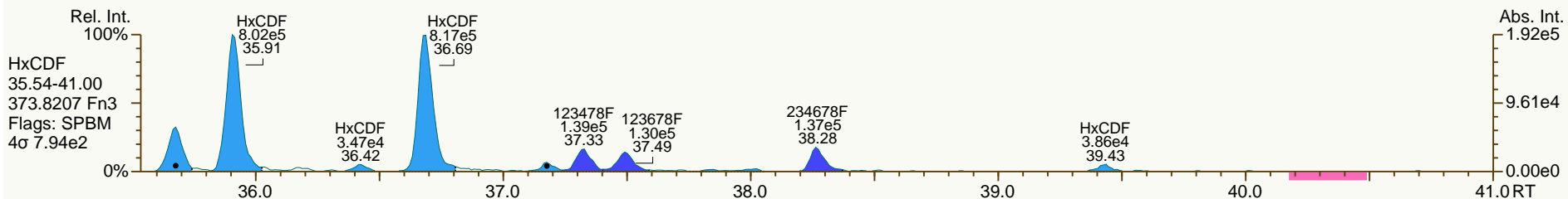


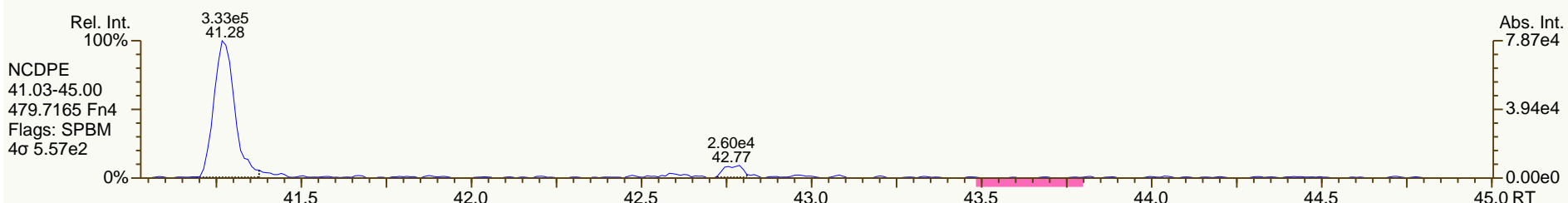
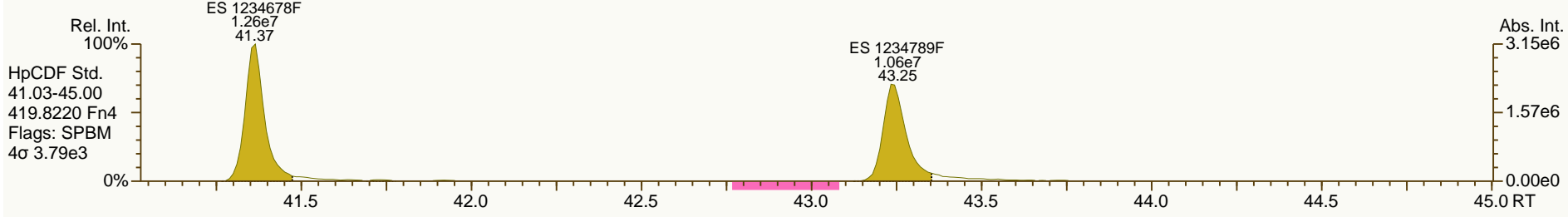
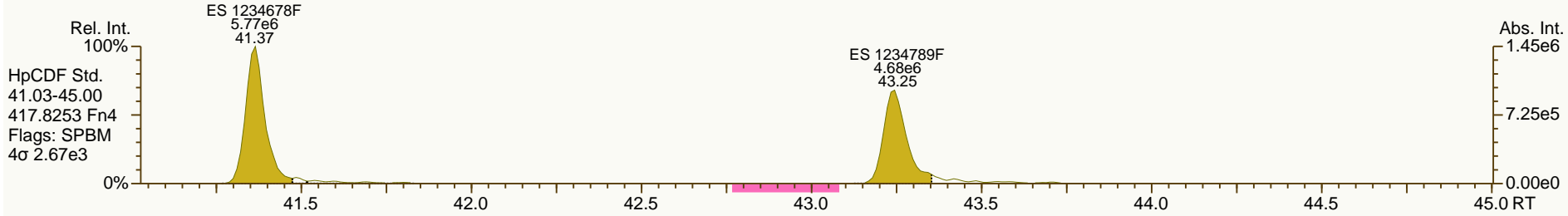
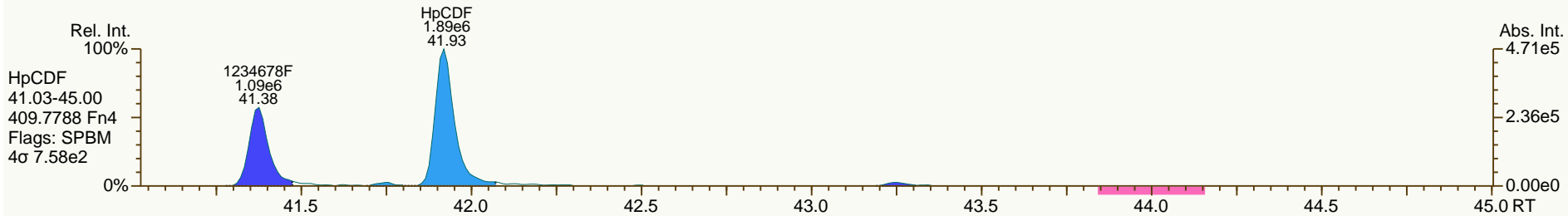
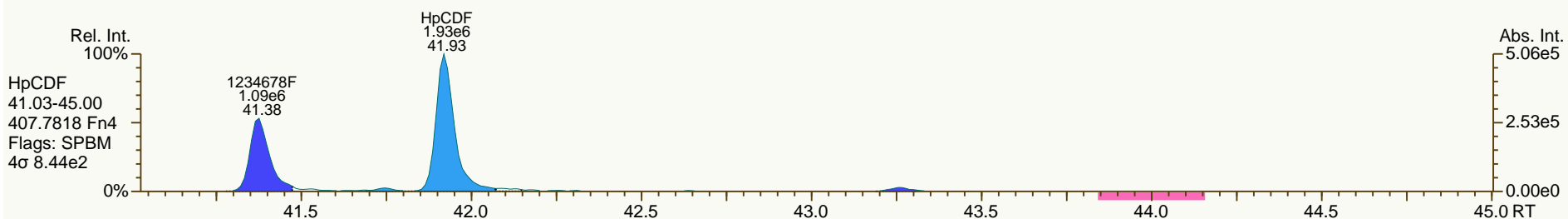


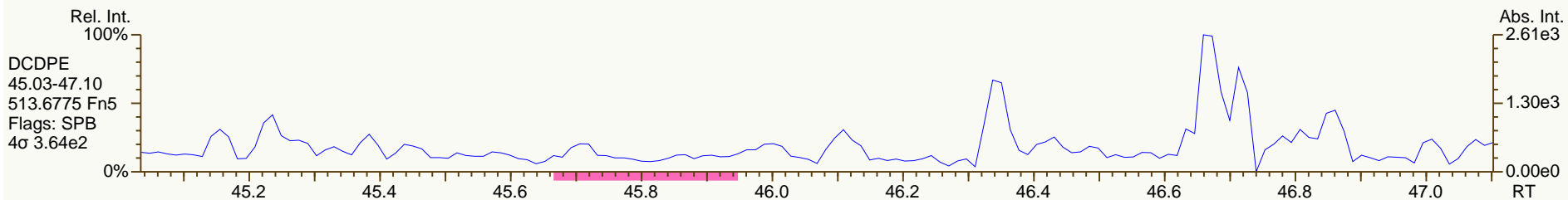
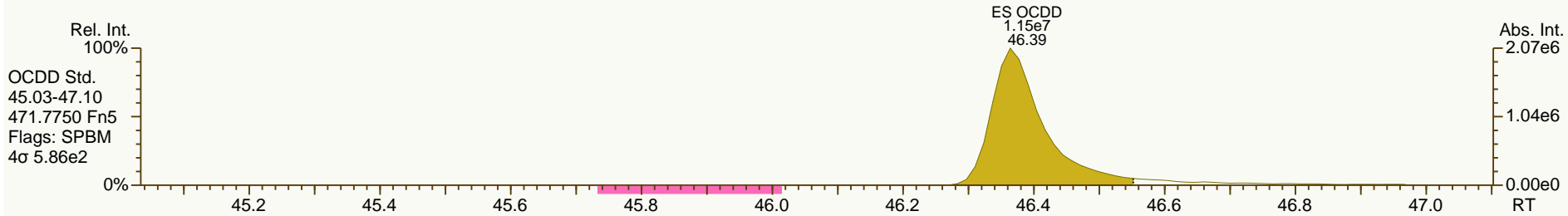
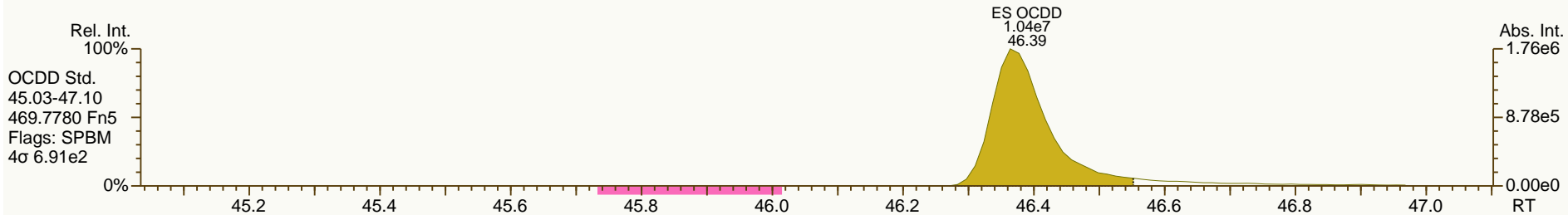
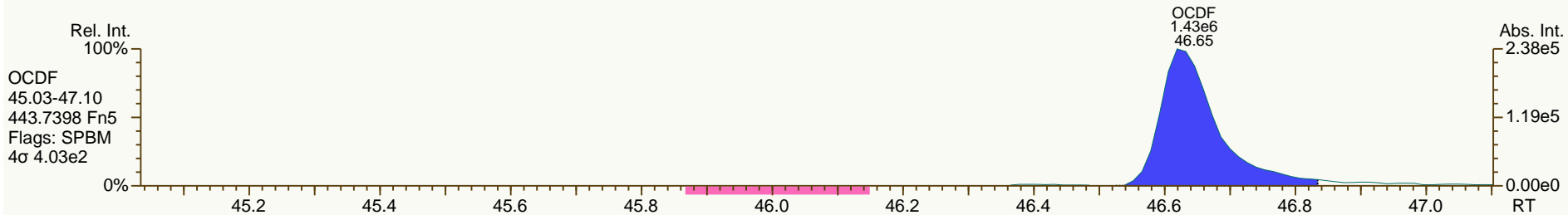
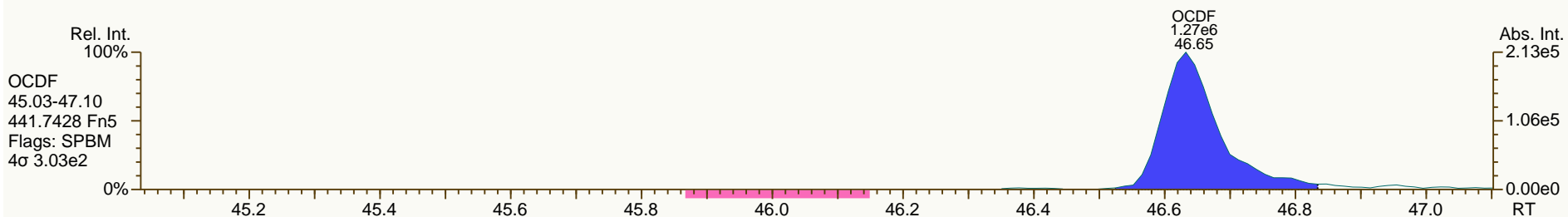












Quantify Sample Summary Report

MassLynx 4.1

Confirms Sample Summary

Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time

Printed: Wednesday, 11/14/2012 10:57:51 AM Eastern Standard Time

TM 11-14-12

Method: C:\MassLynx\Default.PRO\MethDB\VFXms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFXms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-11

Date: 13-Nov-2012

Time: 18:22:05

ID: 31203251006

User: JHL

Submitter:

Task: HRMS3

	Name	Response	Ion1Area	Ion2Area	RA	RAFail?	MRRF	RT	Conc	EDL	SN1	SN2	M	Height1	Noise1	Height2	Noise2	Smp Size	FV
1	2378-TCDF	5.260e3	2.457e3	2.804e3	0.88	NO	1.218	21.23	1.726	0.2125	20.6	20.1	MM	3.174e4	1543	3.625e4	1799	17.34	20
2	ES:13C-2378-TCDF	2.885e5	1.279e5	1.606e5	0.80	NO	1.655	21.22	105.796	0.5163	517.0	535.2	bb	1.651e6	3193	2.073e6	3873	17.34	20
3	JS:13C-1234-TCDD	1.901e5	8.412e4	1.060e5	0.79	NO	1.000	21.11	115.340	0.8762	277.5	395.0	bb	1.055e6	3803	1.360e6	3443	17.34	20
4	Tetrafurans	-	7.249e3	-	-	-	1.218	-	5.606	0.2125	-	-	-	9.129e4	1543	-	-	17.34	20
5	F1 Lock Mass	-	-	-	-	-	-	-	-	-	-	-	-	-	90079	-	-	1.00	1

$$[TCDF] = \frac{5.260e3}{2.885e5} \left(\frac{2022pg}{17.34g \times 0.5875} \right) \left(\frac{1}{1.21803} \right) = 2.94pg/g$$

TM 11-14-12

Quantify Sample Report **MassLynx 4.1**

Confirms Sample Summary

Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time

Printed: Wednesday, 11/14/2012 10:57:51 AM Eastern Standard Time

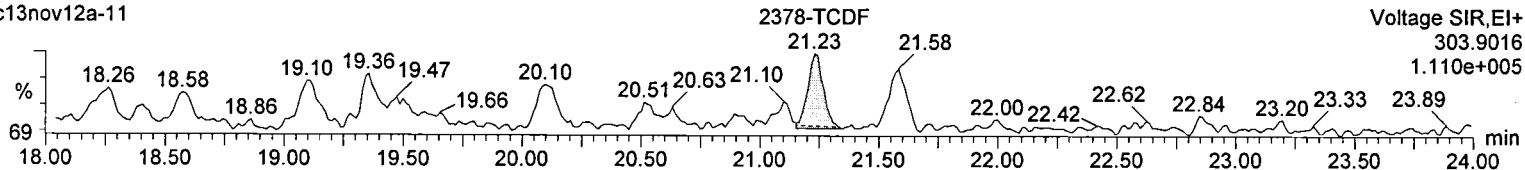
Method: C:\MassLynx\Default.PRO\MethDB\VFxms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-11, ID: 31203251006

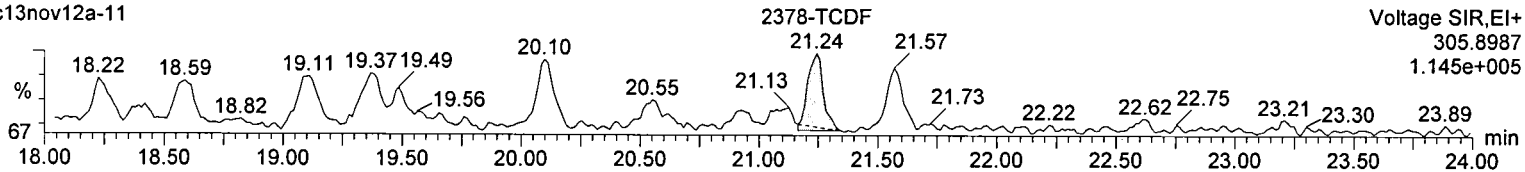
TCDF

c13nov12a-11



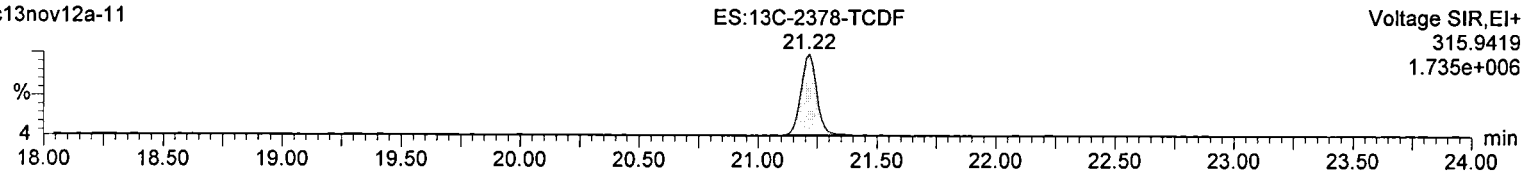
TCDF

c13nov12a-11



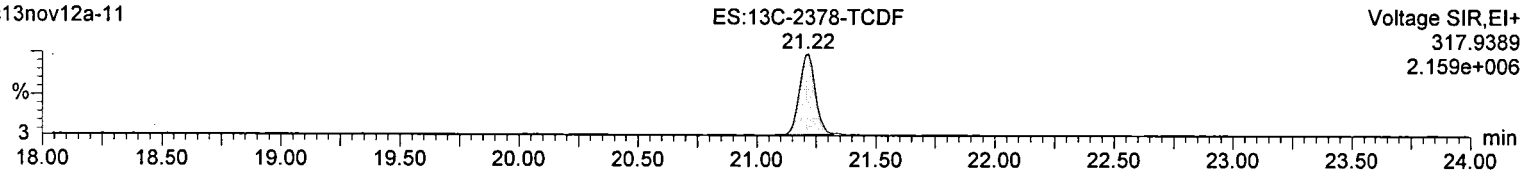
13C-TCDF

c13nov12a-11



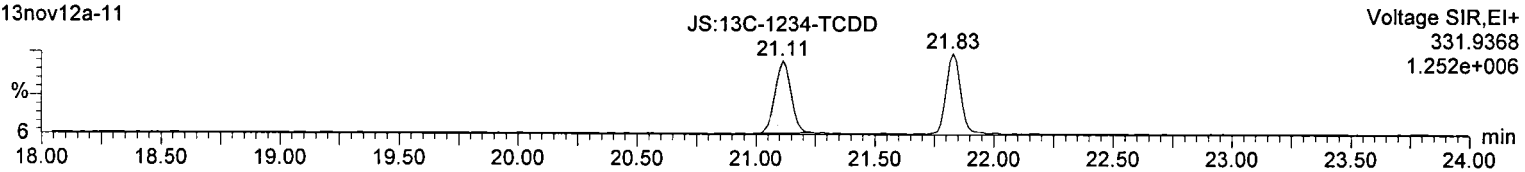
13C-TCDF

c13nov12a-11



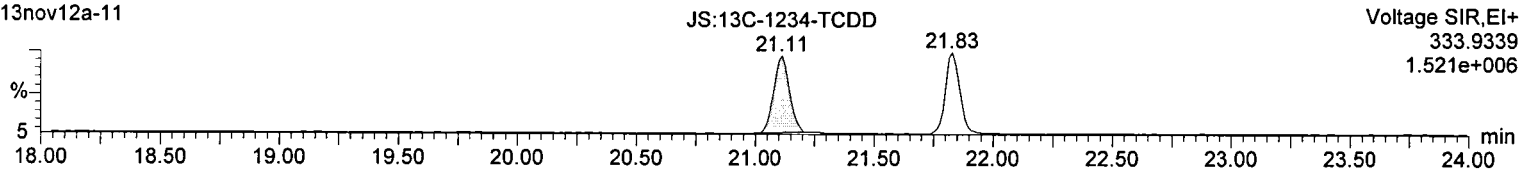
13C-TCDD

c13nov12a-11



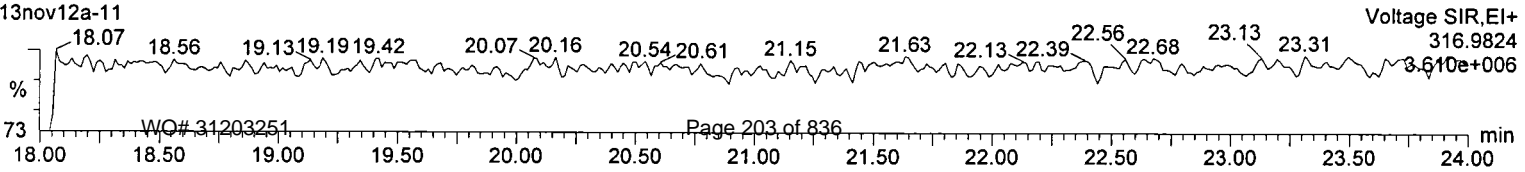
13C-TCDD

c13nov12a-11



F1 Lock Mass

c13nov12a-11



mm
14 11/14/12

Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time

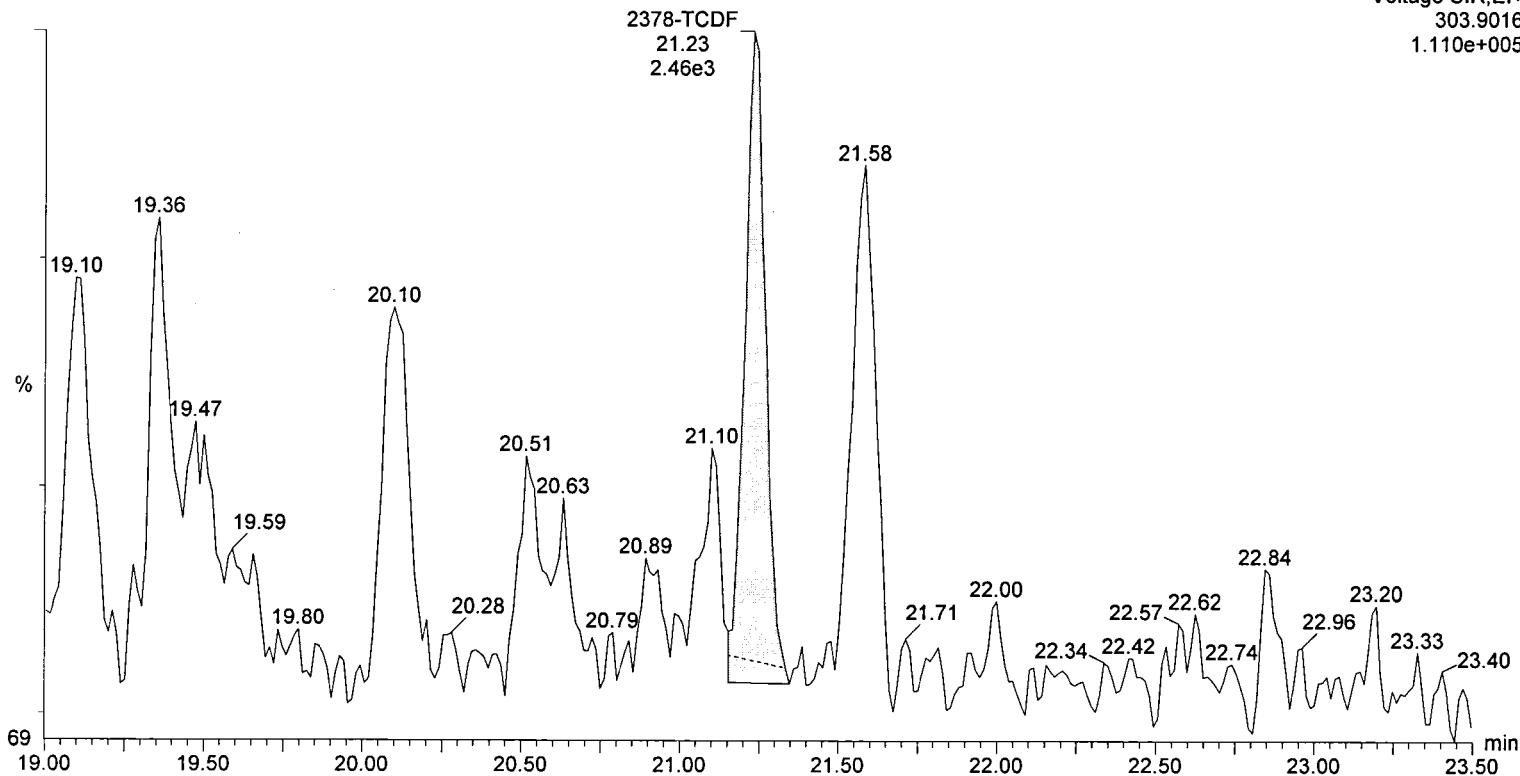
Printed: Wednesday, 11/14/2012 10:59:59 AM Eastern Standard Time

Name: c13nov12a-11, ID: 31203251006

TCDF

c13nov12a-11

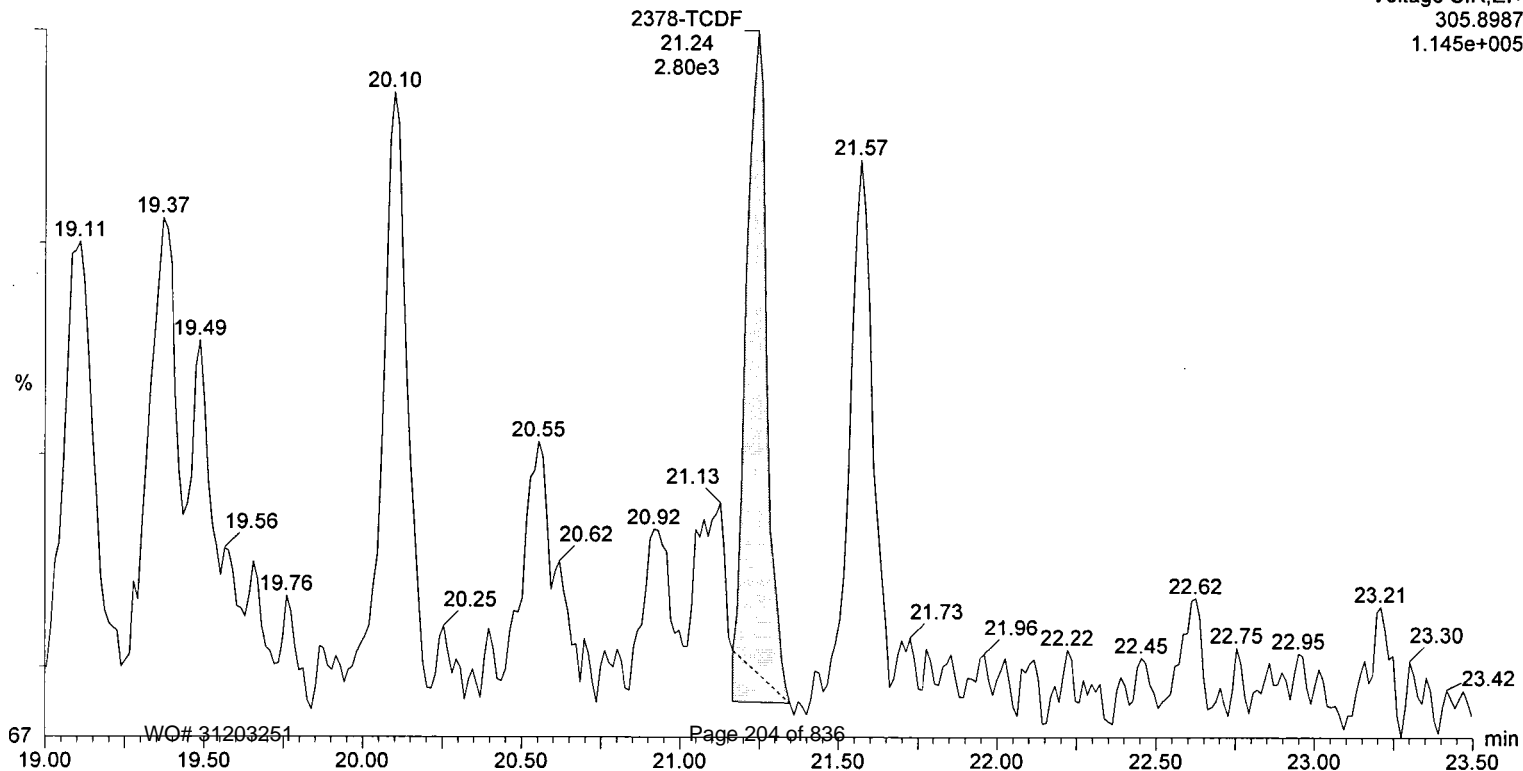
Voltage SIR,EI+
303.9016
1.110e+005



TCDF

c13nov12a-11

Voltage SIR,EI+
305.8987
1.145e+005



Results of JW-EA10-SS43-120507

Client Sample ID: **JW-EA10-SS43-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251007-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 12:20
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 56.00

Results by EPA 1613B

Parameter	Result	EMPC	Qual	DL	LOQ/CL	Units	RT	Ratio
2,3,7,8-TCDD	0.628			0.0319	0.497	pg/g	27.54	0.73
1,2,3,7,8-PeCDD	1.15		J	0.0735	2.49	pg/g	33.84	1.56
1,2,3,4,7,8-HxCDD	1.92		J	0.132	2.49	pg/g	38.48	1.35
1,2,3,6,7,8-HxCDD	7.50			0.140	2.49	pg/g	38.62	1.20
1,2,3,7,8,9-HxCDD	4.18			0.137	2.49	pg/g	38.96	1.20
1,2,3,4,6,7,8-HpCDD	86.8			0.394	2.49	pg/g	42.65	1.03
OCDD	697			0.128	4.97	pg/g	46.40	0.90
2,3,7,8-TCDF	3.97			0.0417	0.497	pg/g	26.55	0.76
2,3,7,8-TCDF [confirm]		4.05		0.734	2.17	pg/g	21.24	1.15*
1,2,3,7,8-PeCDF	1.22		J	0.0654	2.49	pg/g	32.11	1.49
2,3,4,7,8-PeCDF	2.04		J	0.0609	2.49	pg/g	33.43	1.58
1,2,3,4,7,8-HxCDF	1.95		J	0.0659	2.49	pg/g	37.32	1.28
1,2,3,6,7,8-HxCDF	1.39		J DPE	0.0622	2.49	pg/g	37.48	1.28
2,3,4,6,7,8-HxCDF	1.67		J	0.0634	2.49	pg/g	38.27	1.18
1,2,3,7,8,9-HxCDF	ND		U	0.0973	2.49	pg/g		
1,2,3,4,6,7,8-HpCDF	18.4			0.116	2.49	pg/g	41.37	1.08
1,2,3,4,7,8,9-HpCDF		1.10	J	0.160	2.49	pg/g	43.25	1.21*
OCDF	33.6			0.0734	4.97	pg/g	46.63	0.90
Total TCDD	45.1	45.2		0.0319	0.497	pg/g		
Total TCDF	46.9	47.5		0.0417	0.497	pg/g		
Total PeCDD	31.6	32.4		0.0735	2.49	pg/g		
Total PeCDF	25.0		DPE	0.0631	2.49	pg/g		
Total HxCDD	93.2			0.136	2.49	pg/g		
Total HxCDF	30.9	31.1	DPE	0.0707	2.49	pg/g		
Total HpCDD	209			0.394	2.49	pg/g		
Total HpCDF	53.4	54.5		0.136	2.49	pg/g		

World Health Organization Summary

	Units	ND=0	ND=1/2	ND=DL
WHO-2005 TEQ	pg/g	5.56	5.60	5.64
WHO-2005 TEQ w/EMPC	pg/g	5.97	5.98	5.98

Results of JW-EA10-SS43-120507

Client Sample ID: **JW-EA10-SS43-120507**
 Client Project ID: **Jeld-Wen Surface Sediments**
 Lab Sample ID: 31203251007-A
 Lab Project ID: 31203251

Collection Date: 05/07/2012 12:20
 Received Date: 05/09/2012 10:15
 Matrix: Soil-Solid as dry weight
 Solids (%): 56.00

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
Labeled Standards								
13C-2378-TCDF	90.0				24.0-169	%		
13C-2378-TCDD	91.0				25.0-164	%		
13C-12378-PeCDD	87.0				25.0-181	%		
13C-123478-HxCDD	87.0				32.0-141	%		
13C-123678-HxCDD	84.0				28.0-130	%		
13C-1234678-HpCDD	112				23.0-140	%		
13C-OCDD	87.0				17.0-157	%		
13C-2378-TCDF	87.0				24.0-169	%		
13C-12378-PeCDF	75.0				24.0-185	%		
13C-23478-PeCDF	78.0				21.0-178	%		
13C-123478-HxCDF	90.0				26.0-152	%		
13C-123678-HxCDF	94.0				26.0-123	%		
13C-234678-HxCDF	97.0				29.0-147	%		
13C-123789-HxCDF	86.0				28.0-136	%		
13C-1234678-HpCDF	89.0				28.0-143	%		
13C-1234789-HpCDF	97.0				26.0-138	%		
37Cl-2378-TCDD	103				35.0-197	%		

Batch Information

Analytical Batch: **HRD1905**
 Analytical Method: **EPA 1613B**
 Instrument: **APHRMS**
 Analyst: **MDC**
 Analytical Date/Time: **10/28/2012 17:25**

Prep Batch: **HXX1816**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/16/2012 15:46**
 Prep Initial Wt./Vol.: **17.94 g**
 Prep Extract Vol: **20 uL**

Analytical Batch: **HRD1933**
 Analytical Method: **EPA 1613B**
 Instrument: **HRMS3**
 Analyst: **JHL**
 Analytical Date/Time: **11/13/2012 18:58**

Prep Batch: **HXX1816**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/16/2012 15:46**
 Prep Initial Wt./Vol.: **17.94 g**
 Prep Extract Vol: **20 uL**

Lab ID: A4723_10237_DF_007

Client ID: JW-EA10-SS43-120507

Datafile: 121028P1-11



Acq'd: 28 Oct 2012 17:25 MDC

UTP: 29-Oct-2012 13:40 MDC

Report: 29 Oct 2012 13:43 MC

Wt/Vol: 10.05 g

J-level: 0.498 pg/g Split: 1

Std (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

ICAL: 1613_SGS

Checkcode: 272-397-SFR

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.54		1.0009	1.0008	-0.2	1.63E+05	0.73	Y	1.08	0.628	692	0.0319
12378-PeCDD	33.84		1.0006	1.0005	-0.2	2.33E+05	1.56	Y	1.07	1.15	1293	0.0736
123478-HxCDD	38.48		1.0004	1.0004	0	2.89E+05	1.35	Y	1.05	1.92	1894	0.132
123678-HxCDD	38.62		1.0039	1.0040	+0.2	1.16E+06	1.20	Y	0.98	7.5	1894	0.14
123789-HxCDD	38.96		1.0129	1.0129	0	6.34E+05	1.20	Y	1.01	4.18	1894	0.137
1234678-HpCDD	42.65		1.0005	1.0003	-0.5	1.49E+07	1.03	Y	1.09	86.8	5838	0.394
OCDD	46.40		1.0005	1.0004	-0.3	7.47E+07	0.90	Y	1.11	697	964	0.128
2378-TCDF	26.55		1.0009	1.0010	+0.2	1.48E+06	0.76	Y	0.98	3.97	1175	0.0417
12378-PeCDF	32.11		1.0007	1.0006	-0.2	3.41E+05	1.49	Y	0.99	1.22	1596	0.0655
23478-PeCDF	33.43		1.0006	1.0008	+0.4	6.10E+05	1.58	Y	1.02	2.05	1596	0.0609
123478-HxCDF	37.32		1.0006	1.0004	-0.4	4.66E+05	1.28	Y	1.19	1.95	1504	0.0659
123678-HxCDF	37.48		1.0005	1.0006	+0.2	3.78E+05	1.28	Y	1.16	1.39	1504	0.0622
234678-HxCDF	38.27		1.0006	1.0004	-0.5	4.49E+05	1.18	Y	1.18	1.67	1504	0.0634
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.09	-	1504	0.0973
1234678-HpCDF	41.37		1.0004	1.0003	-0.2	4.15E+06	1.08	Y	1.35	18.4	2378	0.116
1234789-HpCDF	43.25		1.0004	1.0001	-0.8	2.07E+05	1.21	N	1.34	1.1	2378	0.16
OCDF	46.63		1.0057	1.0055	-0.6	4.54E+06	0.90	Y	1.40	33.6	694	0.0734

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.52		1.0281	1.0279	-0.3	4.77E+07	0.81	Y	1.04	91.1
ES 12378-PeCDD	33.82		1.2639	1.2634	-0.8	3.77E+07	1.60	Y	0.87	86.6
ES 123478-HxCDD	38.47		0.9876	0.9876	0	2.86E+07	1.32	Y	0.94	86.6
ES 123678-HxCDD	38.60		0.9910	0.9910	0	3.12E+07	1.29	Y	1.06	83.9
ES 1234678-HpCDD	42.63		1.0943	1.0946	+0.7	3.14E+07	1.05	Y	0.80	112
ES OCDD	46.38		1.1907	1.1907	0	3.85E+07	0.91	Y	0.63	87.1
ES 2378-TCDF	26.52		0.9907	0.9907	0	7.60E+07	0.80	Y	1.74	87.1
ES 12378-PeCDF	32.09		1.1992	1.1986	-1.0	5.63E+07	1.56	Y	1.49	75.2
ES 23478-PeCDF	33.41		1.2484	1.2479	-0.8	5.84E+07	1.56	Y	1.48	78.5
ES 123478-HxCDF	37.30		0.9577	0.9576	-0.2	4.00E+07	0.52	Y	1.27	89.7
ES 123678-HxCDF	37.46		0.9619	0.9618	-0.2	4.68E+07	0.53	Y	1.41	94.4
ES 234678-HxCDF	38.25		0.9821	0.9820	-0.2	4.56E+07	0.53	Y	1.34	96.8
ES 123789-HxCDF	39.38		1.0108	1.0109	+0.2	3.63E+07	0.53	Y	1.20	86
ES 1234678-HpCDF	41.36		1.0618	1.0619	+0.2	3.33E+07	0.44	Y	1.06	89.5
ES 1234789-HpCDF	43.24		1.1100	1.1101	+0.2	2.81E+07	0.45	Y	0.82	97.4

Lab ID: A4723_10237_DF_007

Acq'd: 28 Oct 2012 17:25 MDC

Wt/Vol: 10.05 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS43-120507

UTP: 29-Oct-2012 13:40 MDC

J-level: 0.498 pg/g Split: 1

Checkcode: 272-397-SFR

Datafile: 121028P1-11

Report: 29 Oct 2012 13:43 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37Cl)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.77		-	-	-	5.02E+07	0.79	Y	-	-
JS 123789-HxCDD	38.95		-	-	-	3.51E+07	1.26	Y	-	-
CS 37Cl-2378-TCDD	27.54		1.0291	1.0288	-0.5	1.21E+07	n/a	-	1.17	103
SS 37Cl-2378-TCDD	27.54	NA	1.0291	1.0288	-0.5	1.21E+07	n/a	-	1.12	113

Totals	Conc	EMPC	EDL
Total TCDD	45.1	45.2	0.0319
Total PeCDD	31.6	32.4	0.0736
Total HxCDD	93.2	93.2	0.136
Total HpCDD	209	209	0.394
Total Tetra-Octa Dioxins	1080	1080	
Total TCDF	46.9	47.6	0.0417
Total PeCDF	25	25	0.0631
Total HxCDF	30.9	31.1	0.0707
Total HpCDF	53.4	54.5	0.136
Total Tetra-Octa Furans	190	192	
Total Tetra-Octa Dioxins & Furans	1270	1270	

Lab ID: A4723_10237_DF_007

Acq'd: 28 Oct 2012 17:25 MDC

Wt/Vol: 10.05 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS43-120507

UTP: 29-Oct-2012 13:40 MDC

J-level: 0.498 pg/g Split: 1

Checkcode: 272-397-SFR

Datafile: 121028P1-11

Report: 29 Oct 2012 13:43 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
TCDD	23.42		0.8504	0.8513	+1.5	4.27E+06	0.78	Y	1.08	16.5	692	0.0319
TCDD	23.83		0.8649	0.8659	+1.7	2.78E+06	0.79	Y	1.08	10.7	692	0.0319
TCDD	24.30		0.8835	0.8833	-0.3	1.64E+05	0.76	Y	1.08	0.632	692	0.0319
TCDD	25.18		0.9152	0.9150	-0.3	8.06E+05	0.81	Y	1.08	3.11	692	0.0319
TCDD	25.44		0.9241	0.9246	+0.8	4.97E+05	0.78	Y	1.08	1.92	692	0.0319
TCDD	25.66		0.9327	0.9327	0	6.05E+05	0.79	Y	1.08	2.33	692	0.0319
TCDD	25.88		0.9408	0.9407	-0.2	1.72E+05	0.75	Y	1.08	0.664	692	0.0319
TCDD	26.16		0.9512	0.9508	-0.7	4.85E+04	0.81	Y	1.08	0.187	692	0.0319
TCDD	26.36		0.9580	0.9578	-0.3	2.00E+05	0.81	Y	1.08	0.771	692	0.0319
TCDD	26.79		0.9736	0.9737	+0.2	9.50E+05	0.81	Y	1.08	3.66	692	0.0319
TCDD	26.94		0.9785	0.9789	+0.7	5.35E+04	0.75	Y	1.08	0.206	692	0.0319
TCDD	27.22		0.9884	0.9892	+1.3	7.62E+05	0.73	Y	1.08	2.94	692	0.0319
TCDD	27.37		0.9945	0.9948	+0.5	6.99E+04	0.75	Y	1.08	0.269	692	0.0319
2378-TCDD	27.54		1.0009	1.0008	-0.2	1.63E+05	0.73	Y	1.08	0.628	692	0.0319
TCDD	27.92		1.0147	1.0146	-0.2	1.13E+05	0.77	Y	1.08	0.434	692	0.0319
TCDD	28.06		1.0206	1.0198	-1.3	2.30E+04	1.00	N	1.08	0.0886	692	0.0319
TCDD	28.66		1.0423	1.0415	-1.3	4.44E+04	0.84	Y	1.08	0.171	692	0.0319
PeCDD	30.88		0.9131	0.9130	-0.2	1.68E+06	1.56	Y	1.07	8.25	1293	0.0736
PeCDD	31.51		0.9319	0.9316	-0.6	1.55E+05	1.34	Y	1.07	0.763	1293	0.0736
PeCDD	32.16		0.9511	0.9509	-0.4	1.77E+06	1.51	Y	1.07	8.72	1293	0.0736
PeCDD	32.38		0.9576	0.9574	-0.4	2.86E+05	1.43	Y	1.07	1.41	1293	0.0736
PeCDD	32.50		0.9611	0.9611	0	1.30E+06	1.64	Y	1.07	6.41	1293	0.0736
PeCDD	32.80		0.9703	0.9699	-0.8	2.99E+05	1.41	Y	1.07	1.47	1293	0.0736
PeCDD	33.24		0.9829	0.9830	+0.2	7.01E+05	1.65	Y	1.07	3.45	1293	0.0736
12378-PeCDD	33.84		1.0006	1.0005	-0.2	2.33E+05	1.56	Y	1.07	1.15	1293	0.0736
PeCDD	33.95		1.0039	1.0038	-0.2	7.43E+04	1.88	N	1.07	0.365	1293	0.0736
PeCDD	34.36		1.0161	1.0160	-0.2	8.33E+04	1.81	N	1.07	0.41	1293	0.0736
HxCDD	36.46		0.9479	0.9478	-0.2	2.80E+06	1.24	Y	1.01	18.4	1894	0.136
HxCDD	37.24		0.9682	0.9680	-0.5	4.31E+06	1.25	Y	1.01	28.3	1894	0.136
HxCDD	37.59		0.9771	0.9772	+0.2	4.49E+06	1.29	Y	1.01	29.5	1894	0.136
HxCDD	37.73		0.9811	0.9809	-0.5	3.24E+05	1.28	Y	1.01	2.13	1894	0.136
123478-HxCDD	38.48		1.0004	1.0004	0	2.89E+05	1.35	Y	1.05	1.92	1894	0.132
123678-HxCDD	38.62		1.0039	1.0040	+0.2	1.16E+06	1.20	Y	0.98	7.5	1894	0.14
HxCDD	38.83		1.0097	1.0095	-0.5	2.03E+05	1.25	Y	1.01	1.33	1894	0.136
123789-HxCDD	38.96		1.0129	1.0129	0	6.34E+05	1.20	Y	1.01	4.18	1894	0.137

Lab ID: A4723_10237_DF_007

Acq'd: 28 Oct 2012 17:25 MDC

Wt/Vol: 10.05 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS43-120507

UTP: 29-Oct-2012 13:40 MDC

J-level: 0.498 pg/g Split: 1

Checkcode: 272-397-SFR

Datafile: 121028P1-11

Report: 29 Oct 2012 13:43 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
HpCDD	41.74		0.9793	0.9791	-0.5	2.11E+07	1.05	Y	1.09	123	5838	0.394
1234678-HpCDD	42.65		1.0005	1.0003	-0.5	1.49E+07	1.03	Y	1.09	86.8	5838	0.394
OCDD	46.40		1.0005	1.0004	-0.3	7.47E+07	0.90	Y	1.11	697	964	0.128
OCDD-a	46.39		1.0001	1.0002	+0.3	4.29E+06	2.60	Y	1.00	44.3	840	0.124
TCDF	21.22		0.7983	0.8000	+2.7	7.38E+05	0.77	Y	0.98	1.98	1175	0.0417
TCDF	21.78		0.8218	0.8212	-1.0	5.19E+05	0.77	Y	0.98	1.39	1175	0.0417
TCDF	22.43		0.8463	0.8458	-0.8	1.22E+06	0.81	Y	0.98	3.28	1175	0.0417
TCDF	22.85		0.8625	0.8614	-1.8	3.57E+05	0.76	Y	0.98	0.957	1175	0.0417
TCDF	23.00		0.8677	0.8672	-0.8	2.14E+06	0.81	Y	0.98	5.74	1175	0.0417
TCDF	23.28		0.8787	0.8776	-1.8	3.12E+05	0.70	Y	0.98	0.838	1175	0.0417
TCDF	23.42		0.8840	0.8830	-1.6	1.30E+06	0.80	Y	0.98	3.48	1175	0.0417
TCDF	23.86		0.8998	0.8995	-0.5	8.19E+05	0.83	Y	0.98	2.2	1175	0.0417
TCDF	24.00		0.9054	0.9051	-0.5	3.74E+05	0.75	Y	0.98	1	1175	0.0417
TCDF	24.19		0.9125	0.9121	-0.6	8.01E+05	0.80	Y	0.98	2.15	1175	0.0417
TCDF	24.61		0.9279	0.9281	+0.3	4.24E+05	0.73	Y	0.98	1.14	1175	0.0417
TCDF	24.75		0.9334	0.9333	-0.2	5.64E+05	0.81	Y	0.98	1.51	1175	0.0417
TCDF	24.92		0.9381	0.9395	+2.2	1.07E+06	0.80	Y	0.98	2.87	1175	0.0417
TCDF	25.03		0.9439	0.9438	-0.2	1.05E+06	0.76	Y	0.98	2.82	1175	0.0417
TCDF	25.54		0.9630	0.9632	+0.3	1.27E+06	0.78	Y	0.98	3.42	1175	0.0417
TCDF	NotFnd		0.9674						0.98		1175	0.0417
TCDF	25.84		0.9746	0.9745	-0.2	4.80E+05	0.74	Y	0.98	1.29	1175	0.0417
TCDF	26.06		0.9829	0.9827	-0.3	3.00E+05	0.79	Y	0.98	0.804	1175	0.0417
TCDF	26.30		0.9916	0.9916	0	4.76E+05	0.81	Y	0.98	1.28	1175	0.0417
TCDF	26.42		0.9963	0.9961	-0.3	3.58E+05	0.76	Y	0.98	0.96	1175	0.0417
2378-TCDF	26.55		1.0009	1.0010	+0.2	1.48E+06	0.76	Y	0.98	3.97	1175	0.0417
TCDF	26.96		1.0166	1.0167	+0.2	1.32E+06	0.76	Y	0.98	3.55	1175	0.0417
TCDF	27.25		1.0274	1.0275	+0.2	1.03E+05	0.78	Y	0.98	0.277	1175	0.0417
TCDF	27.54		1.0390	1.0384	-1.0	4.23E+04	0.62	N	0.98	0.114	1175	0.0417
TCDF	28.85		1.0886	1.0877	-1.4	1.99E+05	0.90	N	0.98	0.533	1175	0.0417
PeCDF	28.84		0.8975	0.8987	+2.3	2.37E+06	1.53	Y	1.00	8.19	1281	0.0507
PeCDF	30.62		0.9542	0.9542	0	5.41E+05	1.43	Y	1.00	1.87	1596	0.0631
PeCDF	30.80		0.9587	0.9599	+2.3	1.39E+06	1.43	Y	1.00	4.82	1596	0.0631
PeCDF	30.91		0.9636	0.9633	-0.6	2.07E+05	1.35	Y	1.00	0.716	1596	0.0631
PeCDF	31.01		0.9671	0.9666	-1.0	9.18E+04	1.55	Y	1.00	0.317	1596	0.0631
PeCDF	31.31		0.9760	0.9759	-0.2	1.09E+05	1.42	Y	1.00	0.379	1596	0.0631
PeCDF	31.46		0.9810	0.9806	-0.8	4.76E+04	1.45	Y	1.00	0.165	1596	0.0631

Lab ID: A4723_10237_DF_007

Acq'd: 28 Oct 2012 17:25 MDC

Wt/Vol: 10.05 g

ICAL: 1613_SGS

Client ID: JW-EA10-SS43-120507

UTP: 29-Oct-2012 13:40 MDC

J-level: 0.498 pg/g Split: 1

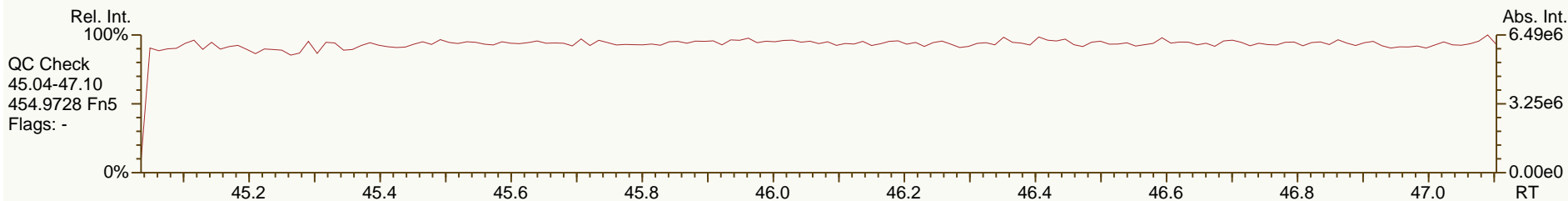
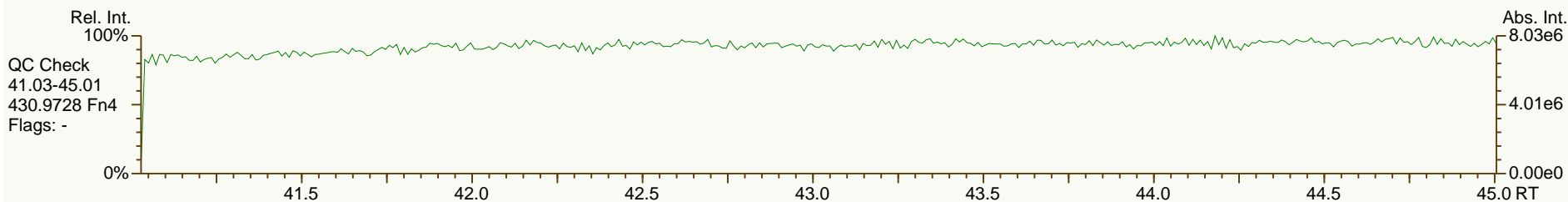
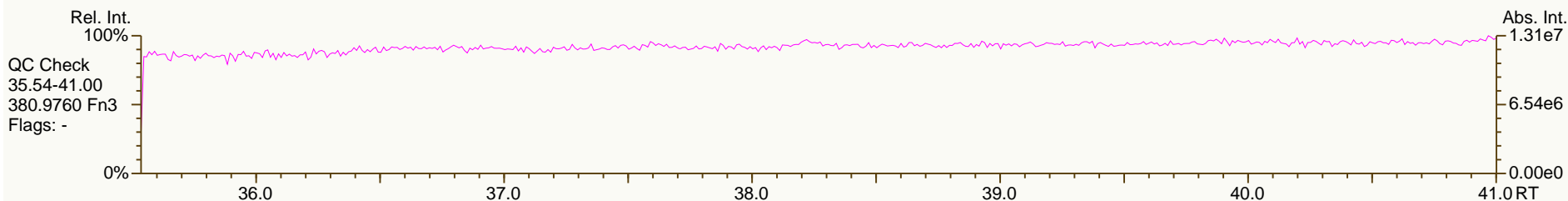
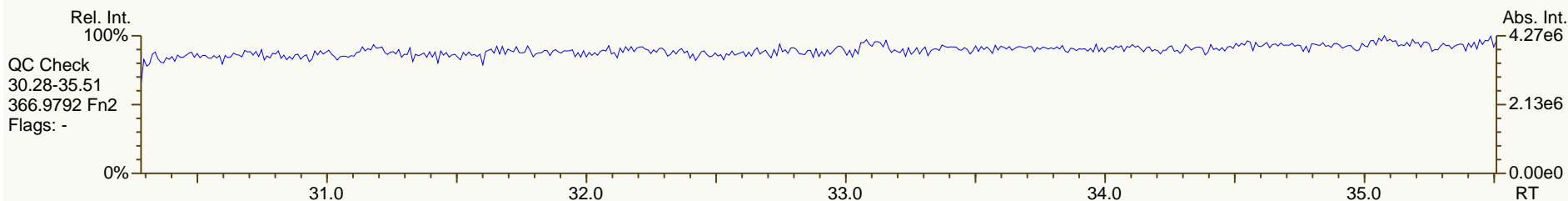
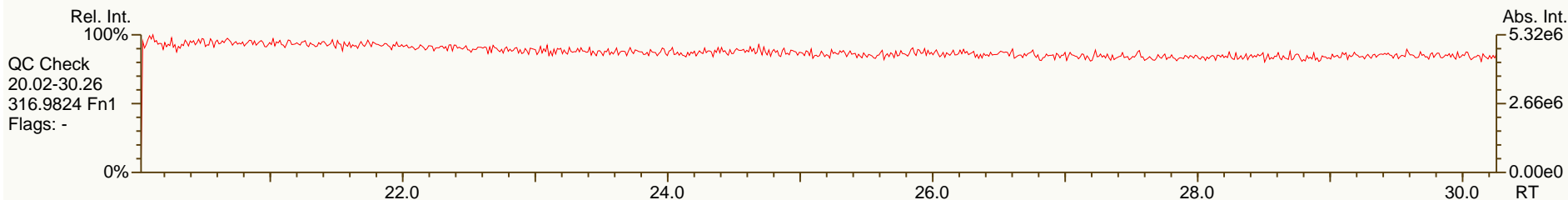
Checkcode: 272-397-SFR

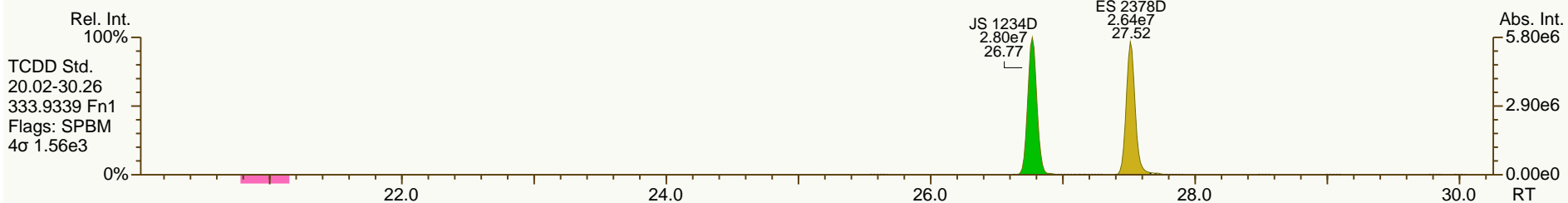
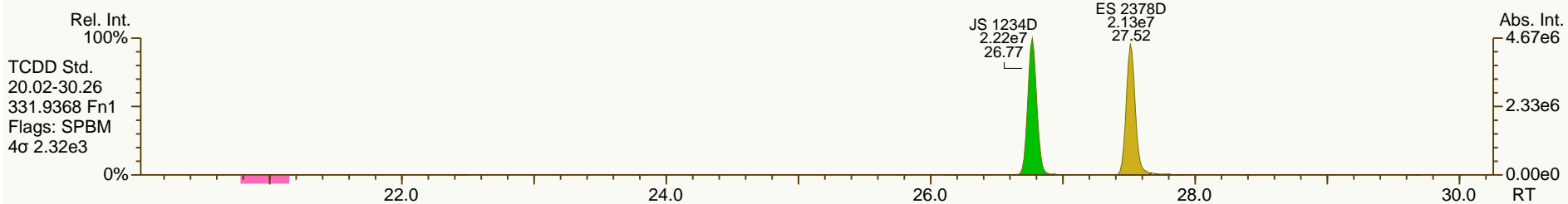
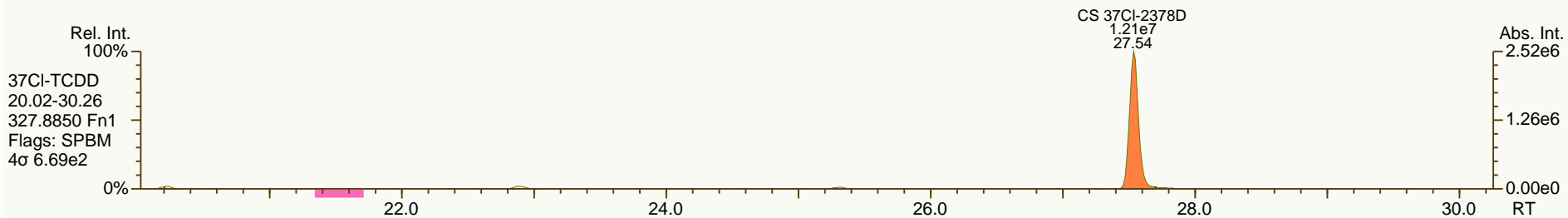
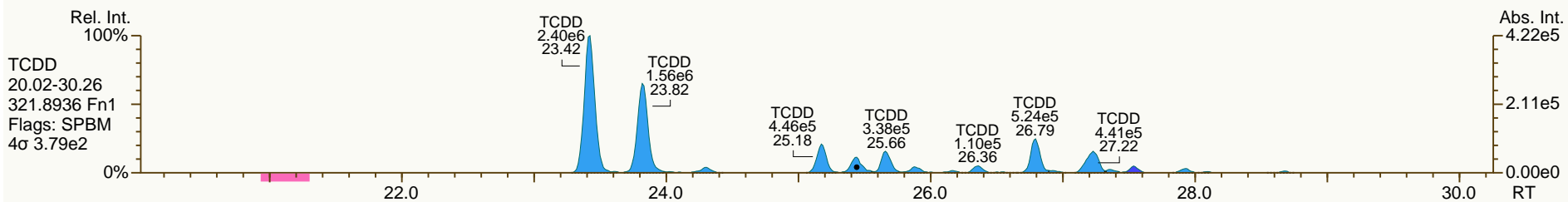
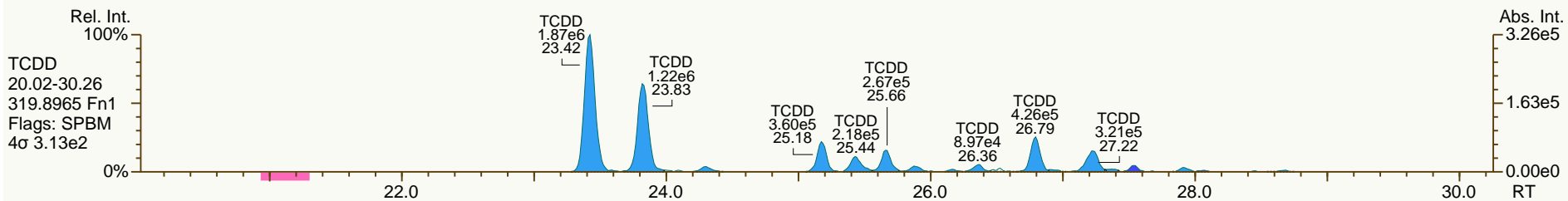
Datafile: 121028P1-11

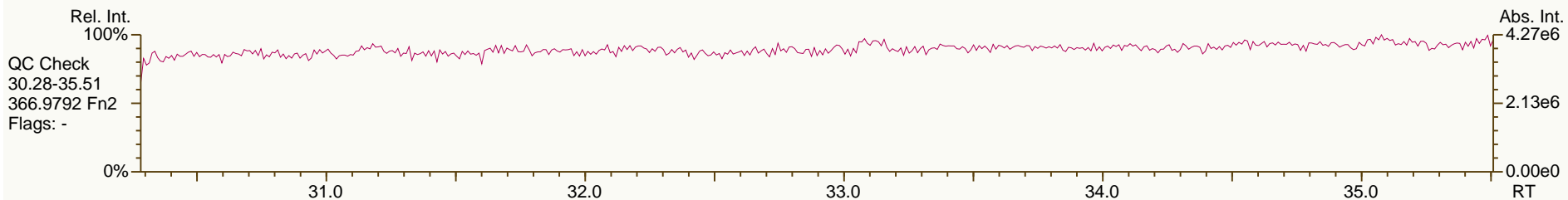
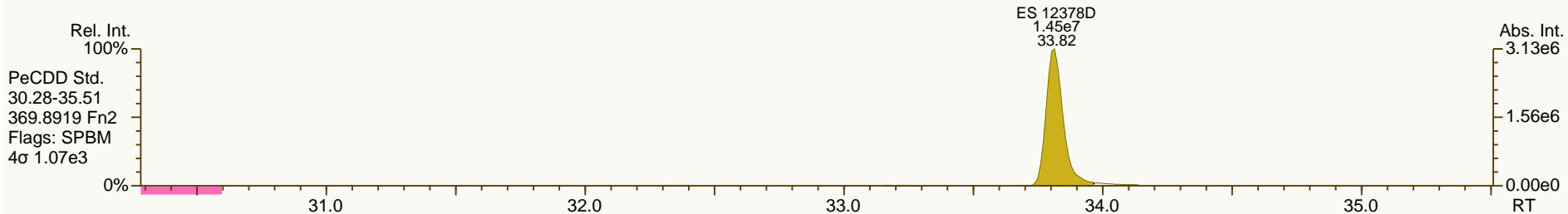
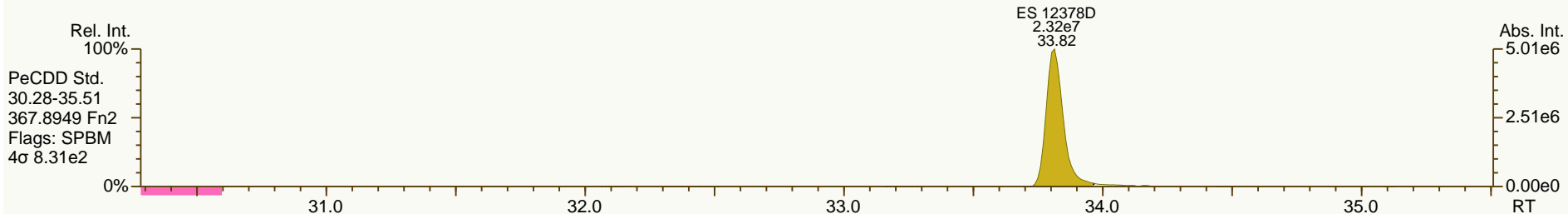
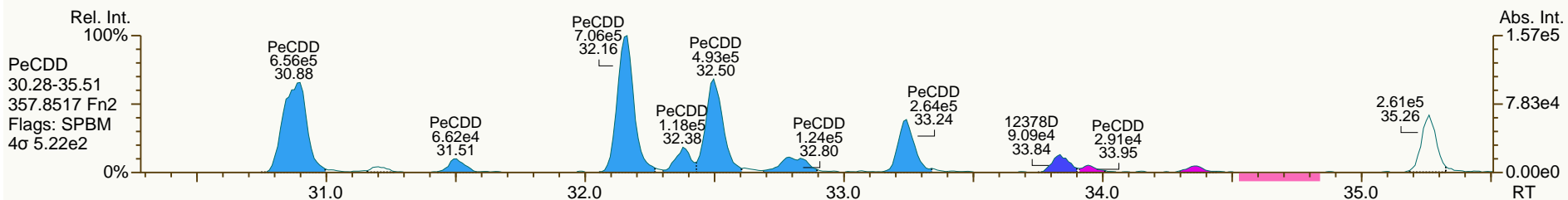
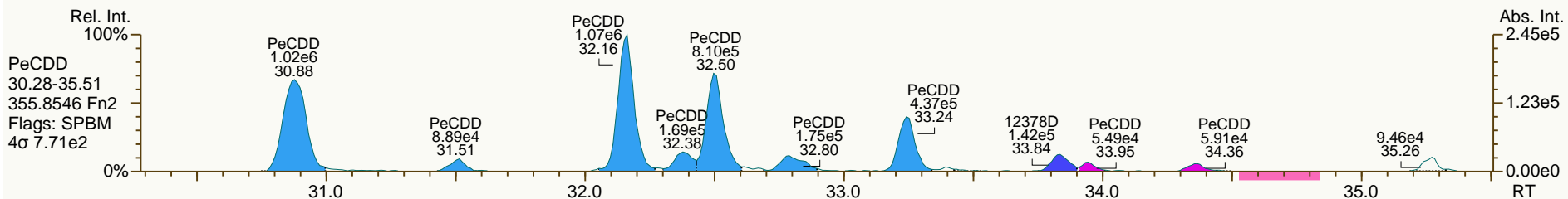
Report: 29 Oct 2012 13:43 MC

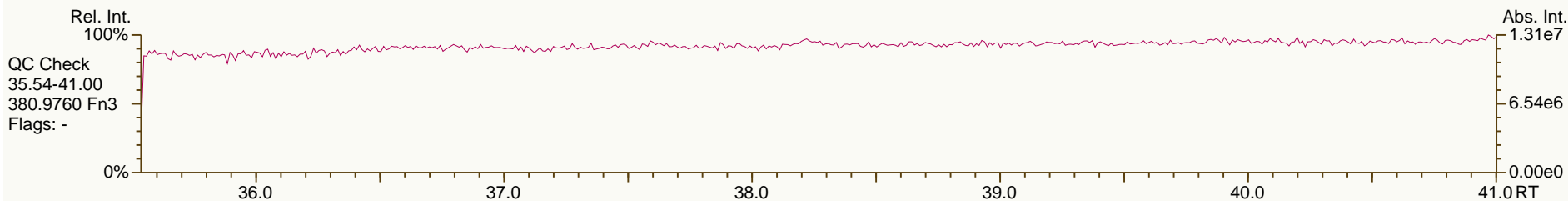
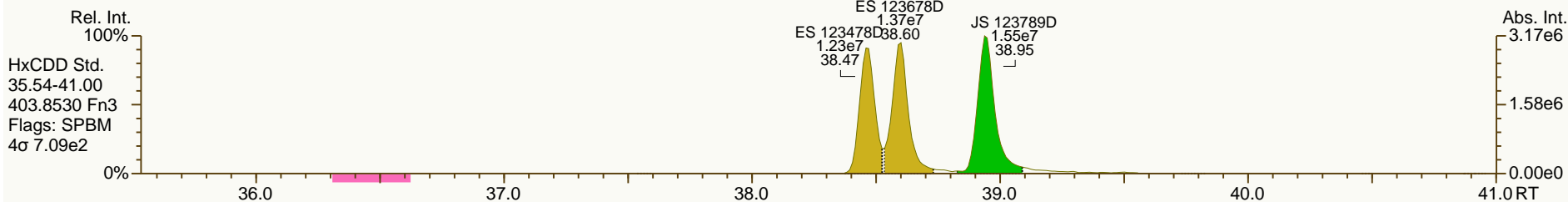
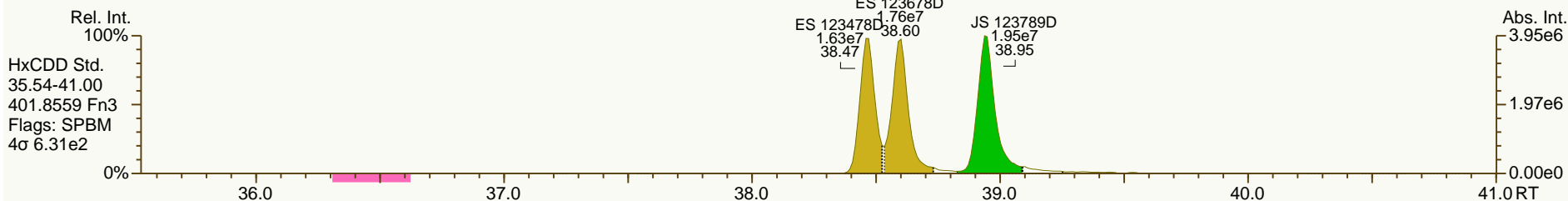
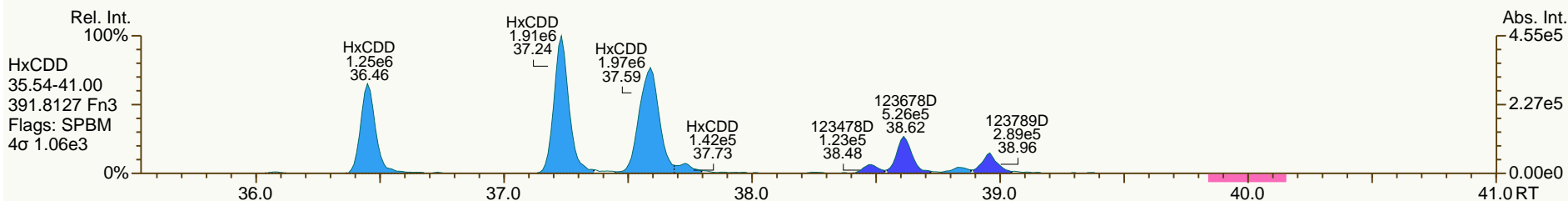
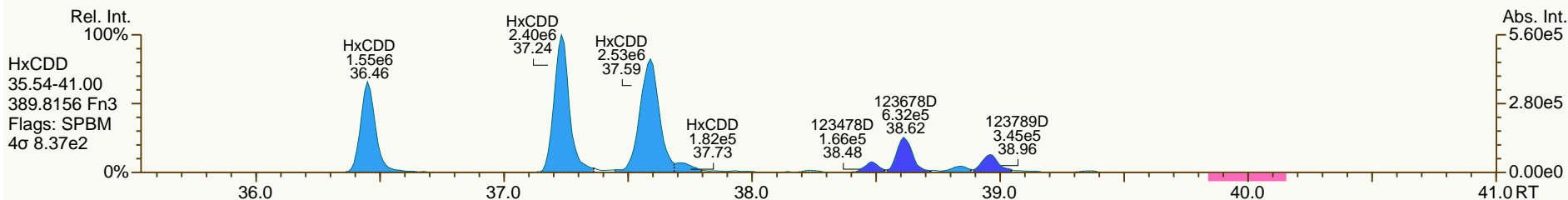
Std (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

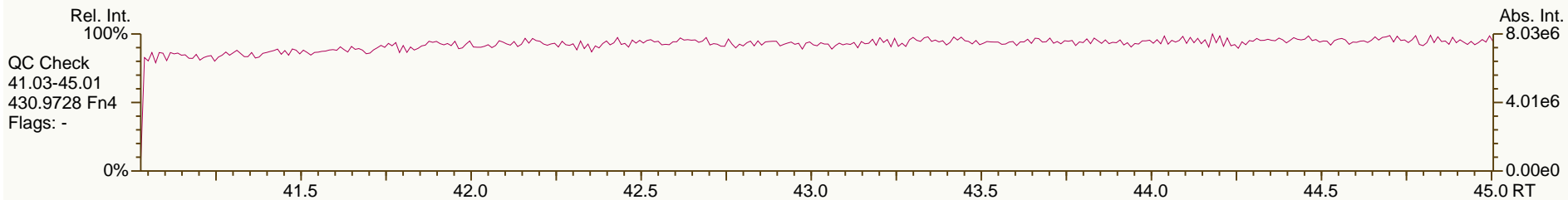
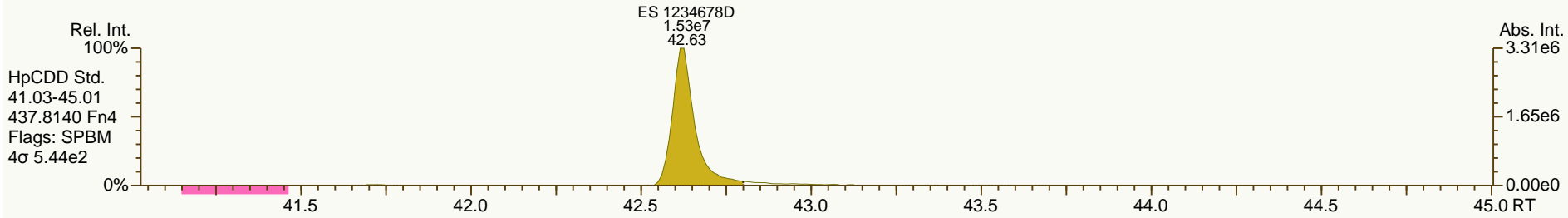
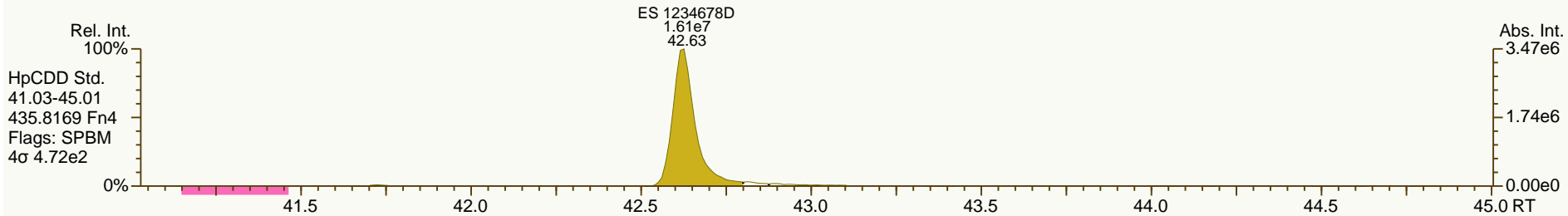
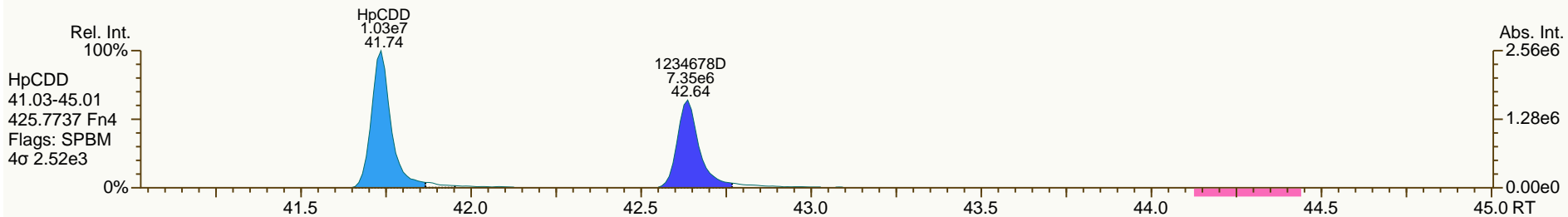
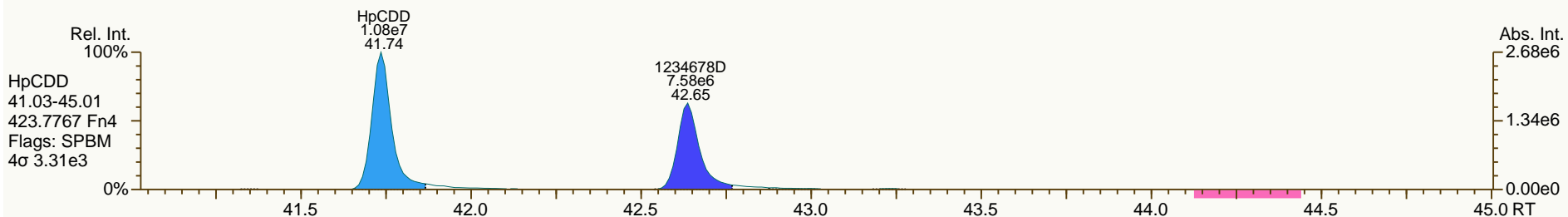
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
PeCDF	31.59		0.9847	0.9845	-0.4	5.14E+05	1.60	Y	1.00	1.78	1596	0.0631
PeCDF	31.68		0.9870	0.9873	+0.6	8.27E+04	1.48	Y	1.00	0.286	1596	0.0631
PeCDF	31.85		0.9930	0.9927	-0.6	1.13E+05	1.53	Y	1.00	0.392	1596	0.0631
12378-PeCDF	32.11		1.0007	1.0006	-0.2	3.41E+05	1.49	Y	0.99	1.22	1596	0.0655
PeCDF	32.44		1.0113	1.0109	-0.8	4.37E+05	1.42	Y	1.00	1.51	1596	0.0631
PeCDF	32.62		1.0169	1.0165	-0.8	4.39E+04	1.60	Y	1.00	0.152	1596	0.0631
PeCDF	33.12		0.9917	0.9915	-0.4	5.48E+04	1.43	Y	1.00	0.19	1596	0.0631
PeCDF	33.27		0.9962	0.9961	-0.2	2.55E+05	1.45	Y	1.00	0.883	1596	0.0631
23478-PeCDF	33.43		1.0006	1.0008	+0.4	6.10E+05	1.58	Y	1.02	2.05	1596	0.0609
PeCDF	NotFnd		0.0000						1.02		0	0
PeCDF	NotFnd		1.0023						1.00		1596	0.0631
PeCDF	NotFnd		1.0120						1.00		1596	0.0631
PeCDF	34.70		1.0389	1.0386	-0.6	2.77E+04	1.38	Y	1.00	0.0959	1596	0.0631
HxCDF	35.66		0.9565	0.9562	-0.7	8.25E+05	1.25	Y	1.15	3.38	1504	0.0707
HxCDF	35.90		0.9627	0.9625	-0.4	2.56E+06	1.27	Y	1.15	10.5	1504	0.0707
HxCDF	36.17		0.9700	0.9698	-0.4	5.88E+04	1.12	Y	1.15	0.241	1504	0.0707
HxCDF	36.41		0.9762	0.9762	0	1.28E+05	1.18	Y	1.15	0.525	1504	0.0707
HxCDF	36.68		0.9833	0.9835	+0.4	2.48E+06	1.22	Y	1.15	10.1	1504	0.0707
HxCDF	37.17		0.9968	0.9966	-0.4	1.46E+05	1.25	Y	1.15	0.6	1504	0.0707
123478-HxCDF	37.32		1.0006	1.0004	-0.4	4.66E+05	1.28	Y	1.19	1.95	1504	0.0659
123678-HxCDF	37.48		1.0005	1.0006	+0.2	3.78E+05	1.28	Y	1.16	1.39	1504	0.0622
HxCDF	NotFnd		1.0055						1.15		1504	0.0707
HxCDF	37.83		1.0102	1.0098	-0.9	4.30E+04	1.36	Y	1.15	0.176	1504	0.0707
HxCDF	37.99		0.9933	0.9931	-0.5	4.25E+04	1.45	N	1.15	0.174	1504	0.0707
234678-HxCDF	38.27		1.0006	1.0004	-0.5	4.49E+05	1.18	Y	1.18	1.67	1504	0.0634
HxCDF	NotFnd		0.0000						1.18		0	0
HxCDF	NotFnd		1.0009						1.15		1504	0.0707
123789-HxCDF	NotFnd		1.0005						1.09		1504	0.0973
HxCDF	NotFnd		0.0000						1.09		0	0
123489-HxCDF	39.42		1.0013	1.0011	-0.5	9.25E+04	1.08	Y	1.15	0.379	1504	0.0707
1234678-HpCDF	41.37		1.0004	1.0003	-0.2	4.15E+06	1.08	Y	1.35	18.4	2378	0.116
HpCDF	41.72		1.0091	1.0088	-0.7	1.68E+05	1.09	Y	1.34	0.811	2378	0.136
HpCDF	41.92		1.0140	1.0135	-1.2	7.07E+06	1.02	Y	1.34	34.2	2378	0.136
1234789-HpCDF	43.25		1.0004	1.0001	-0.8	2.07E+05	1.21	N	1.34	1.1	2378	0.16
OCDF	46.63		1.0057	1.0055	-0.6	4.54E+06	0.90	Y	1.40	33.6	694	0.0734
OCDF-a	46.62		1.0053	1.0053	0	2.78E+05	2.18	Y	1.00	2.87	1101	0.162

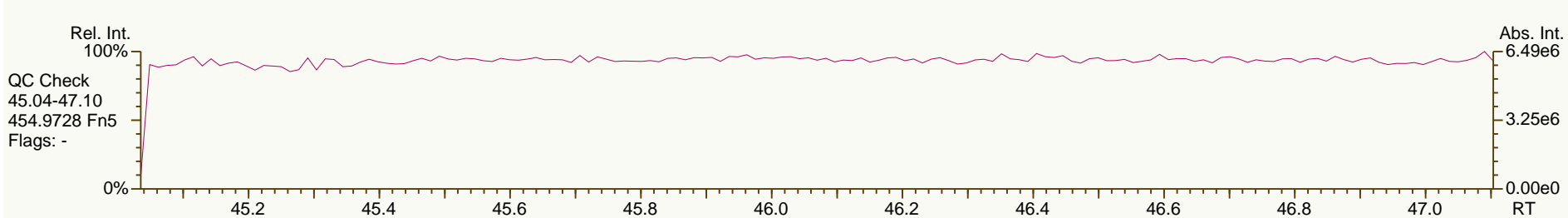
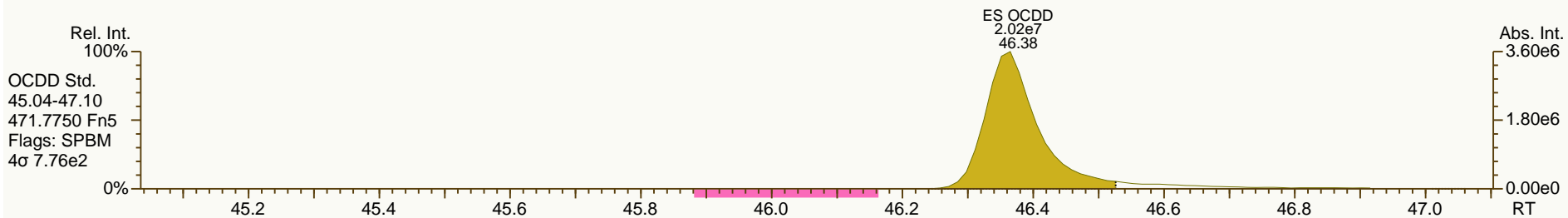
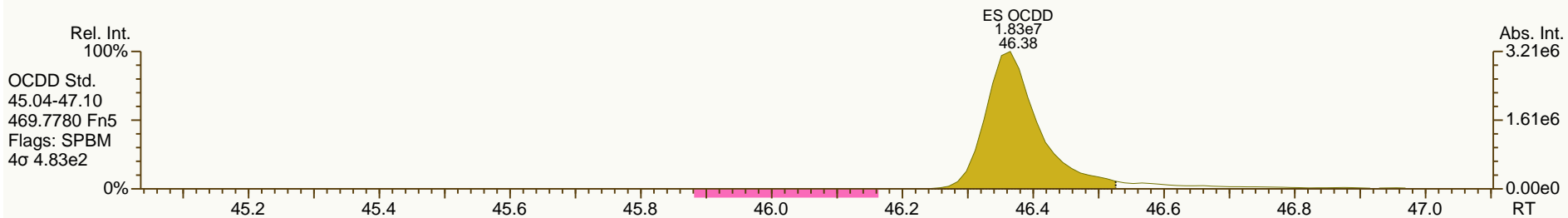
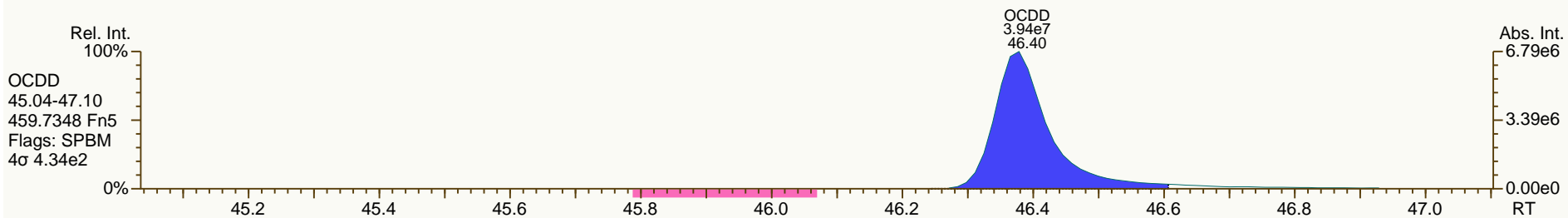
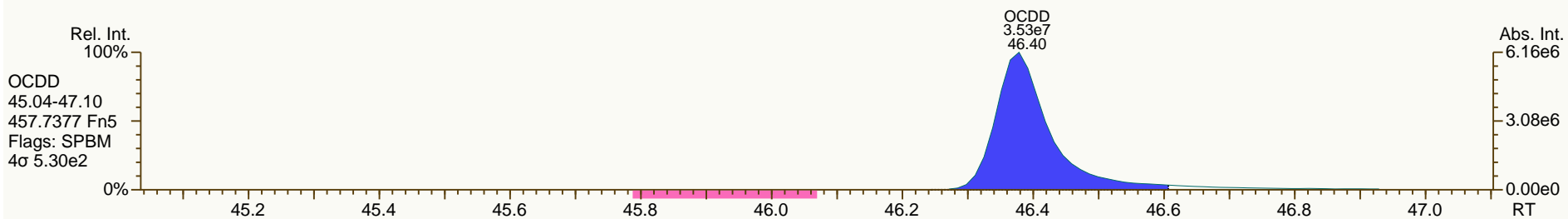


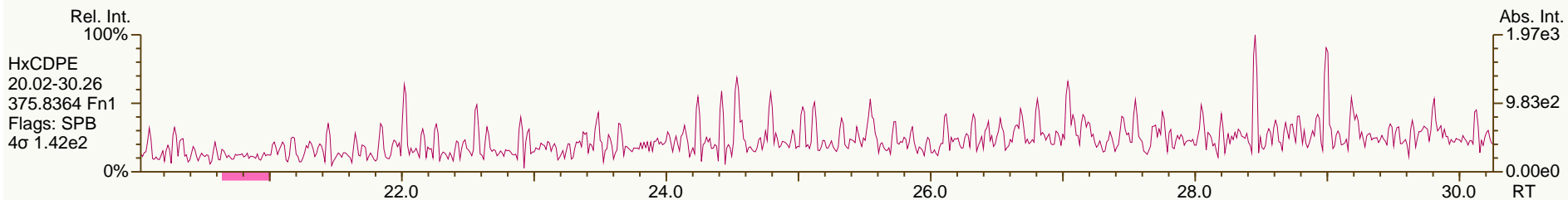
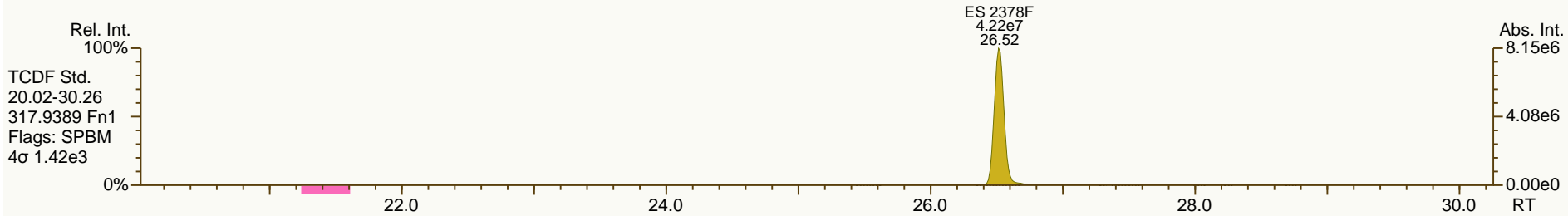
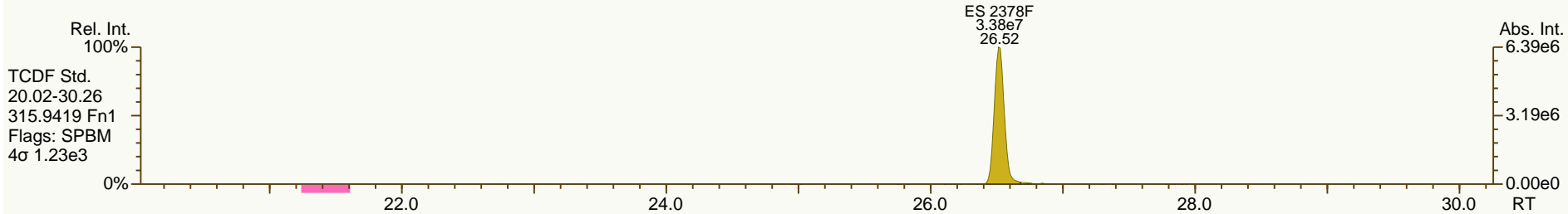
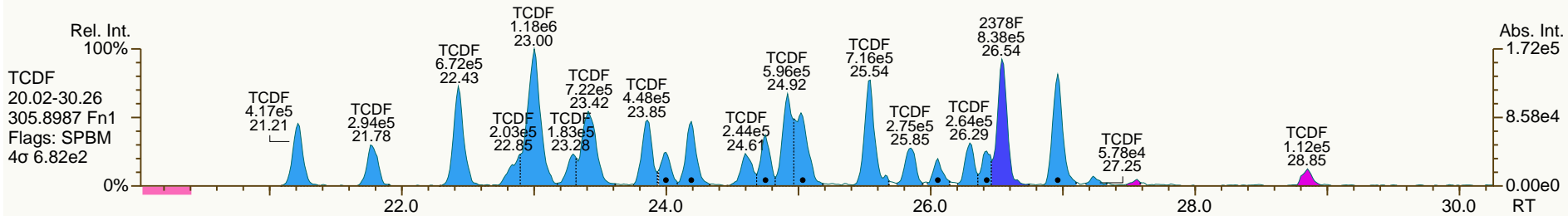
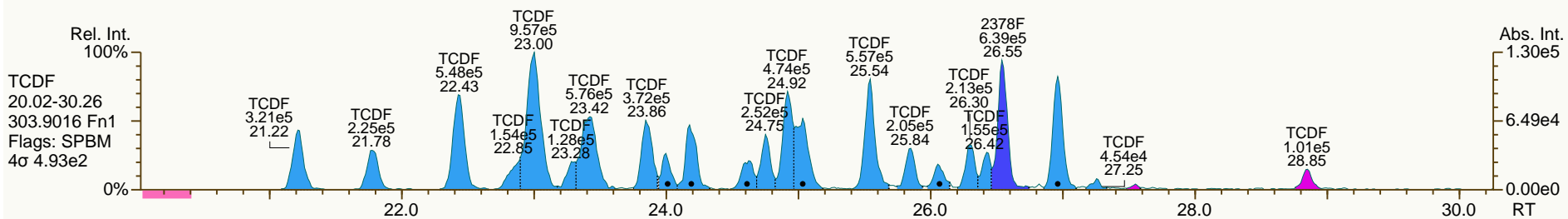


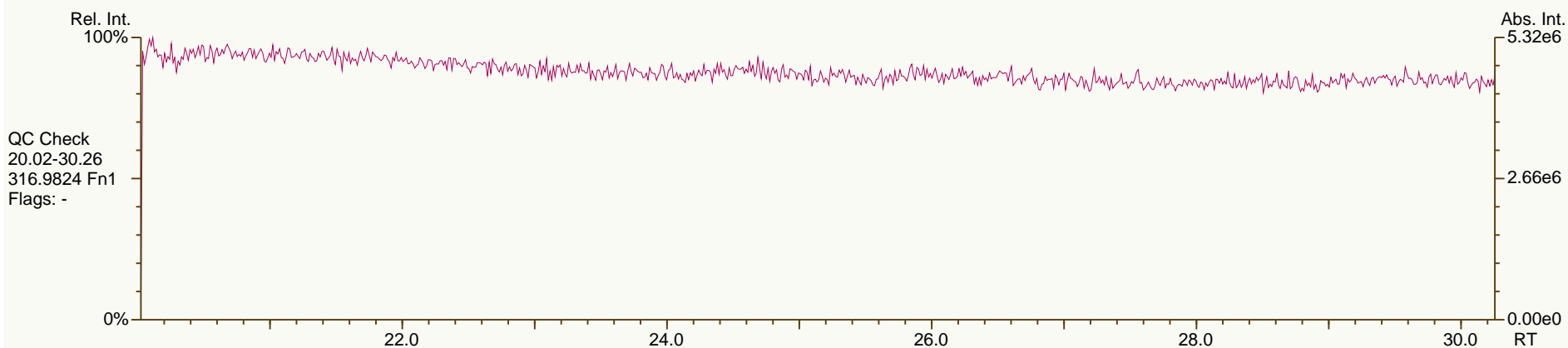
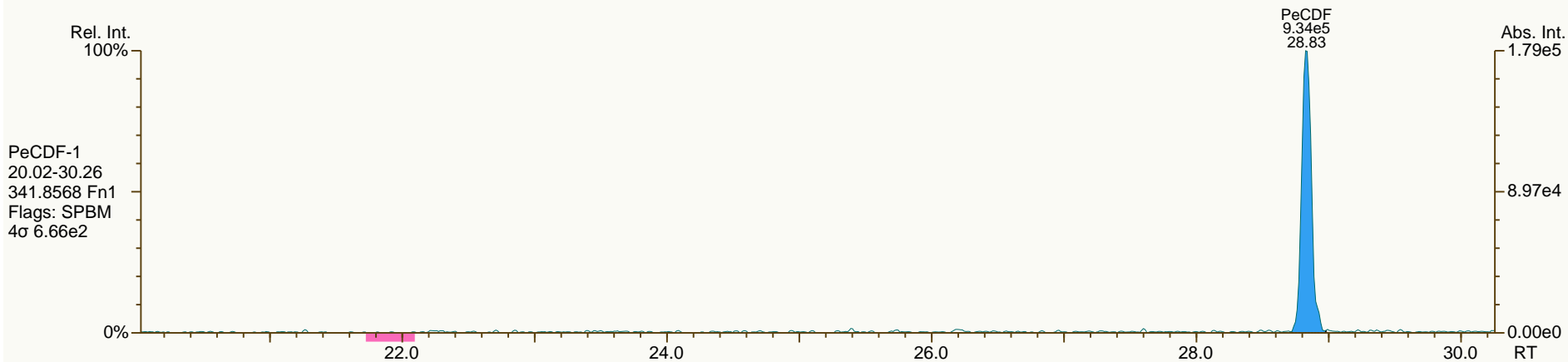
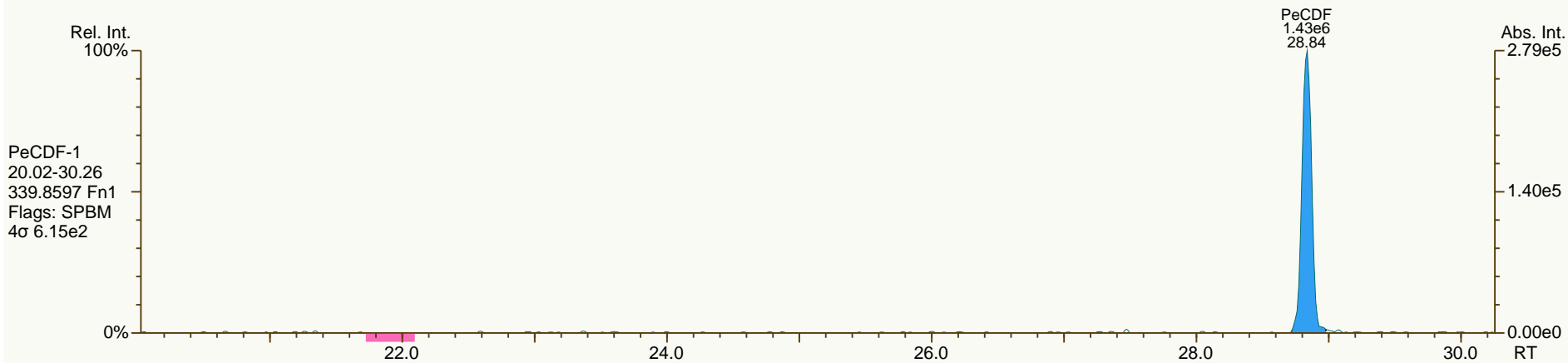


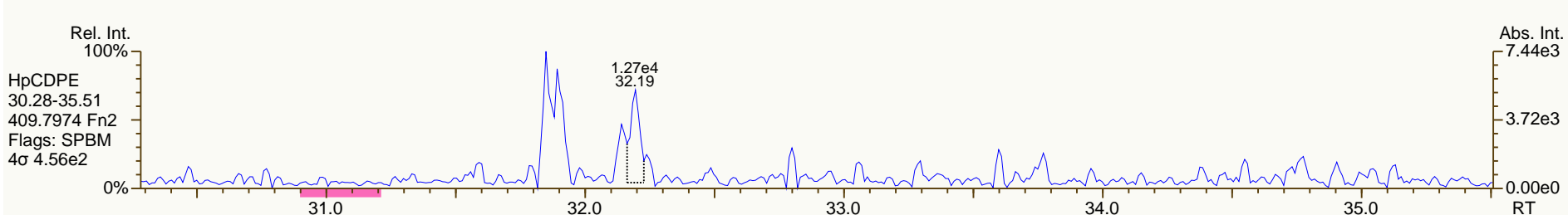
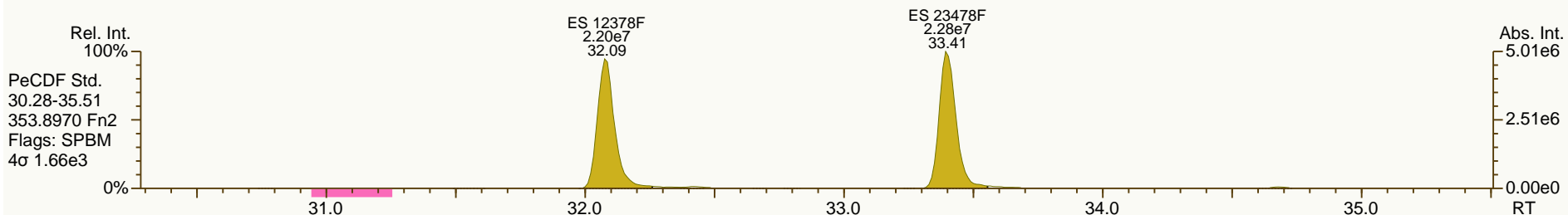
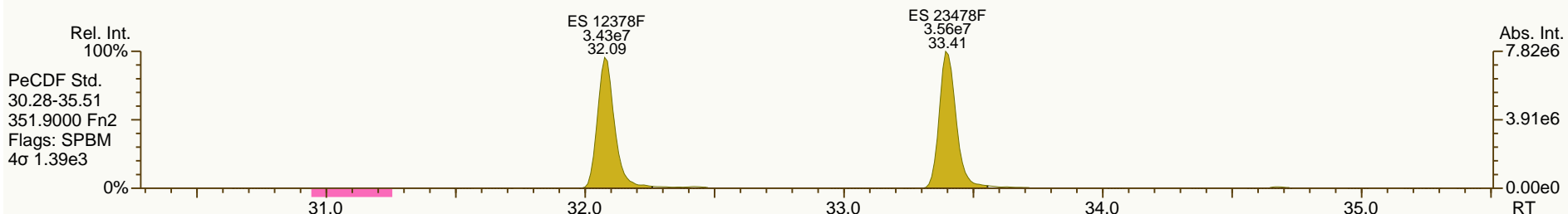
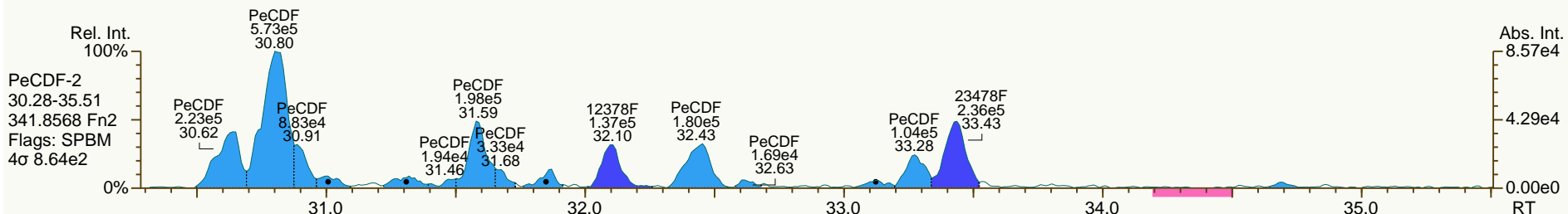
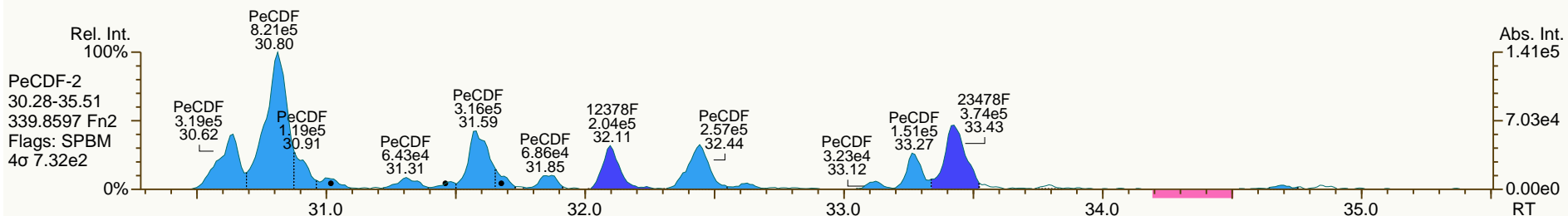


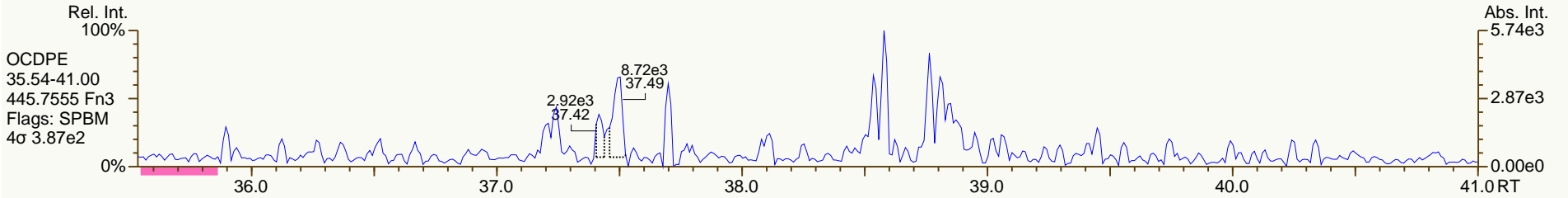
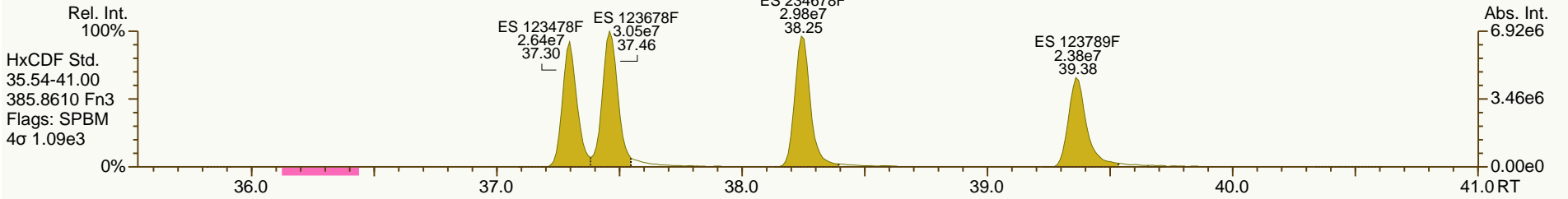
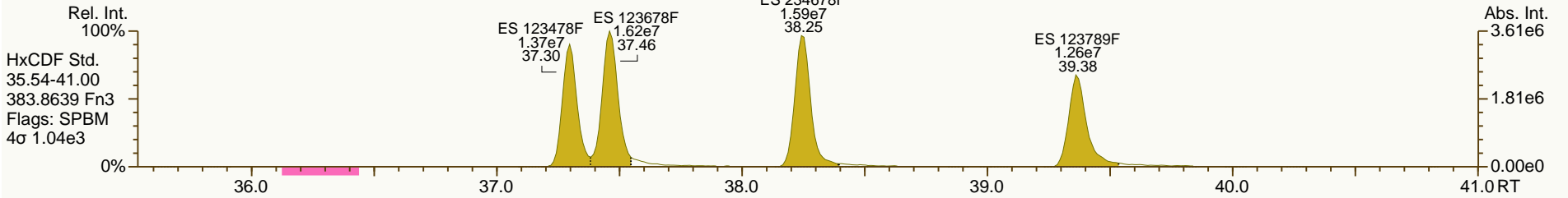
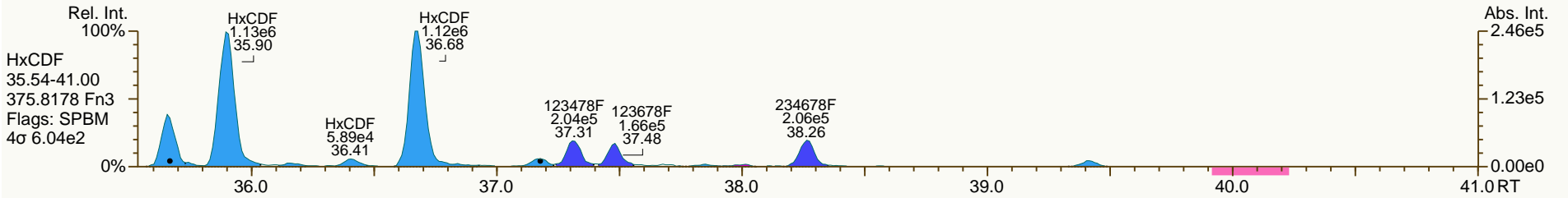
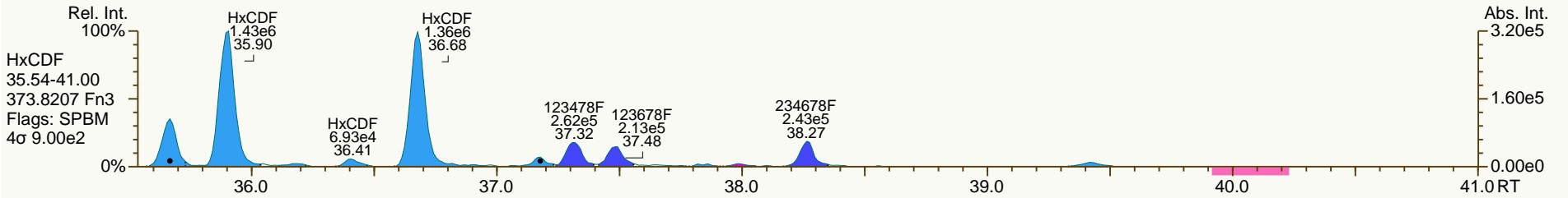


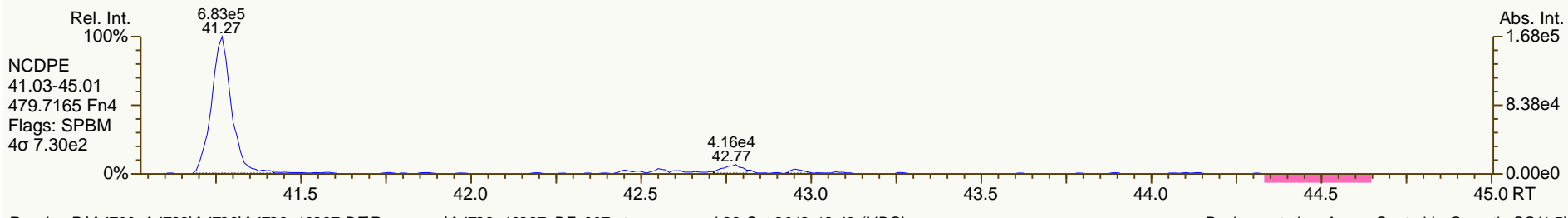
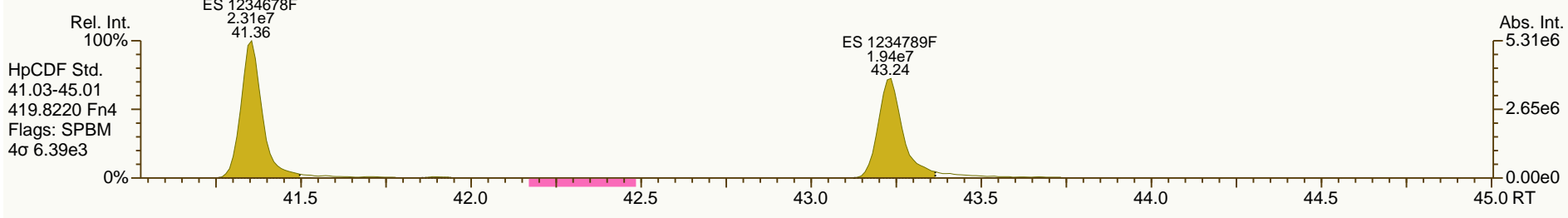
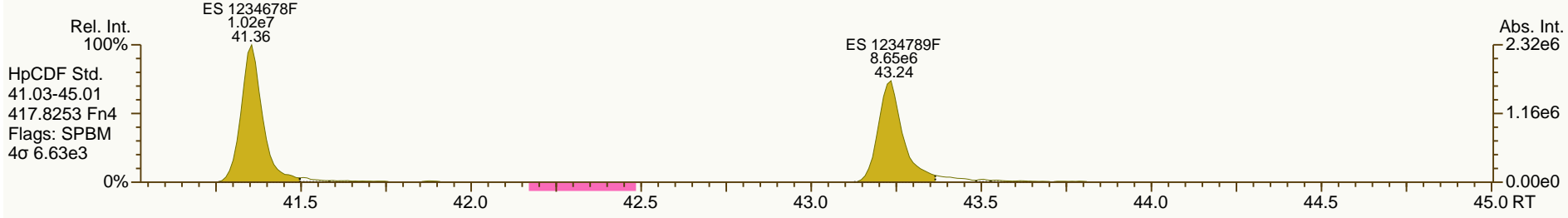
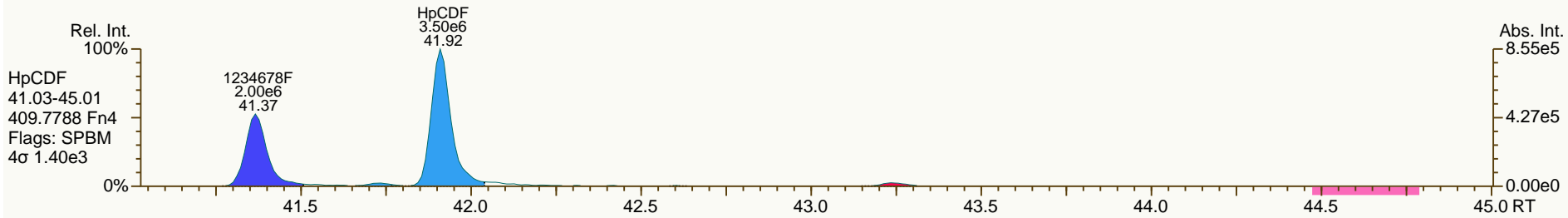
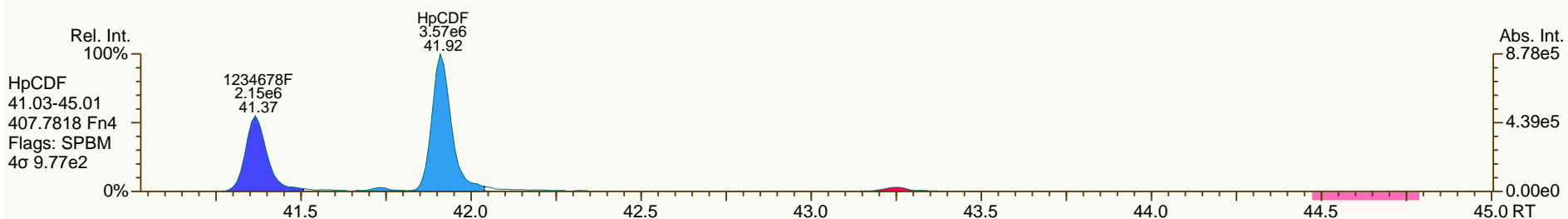


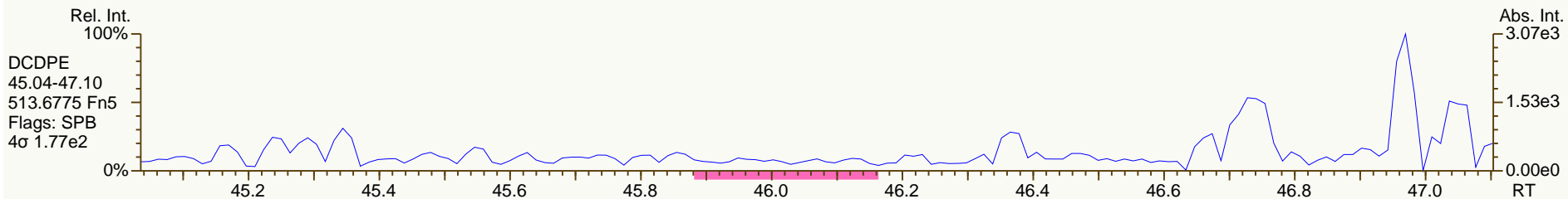
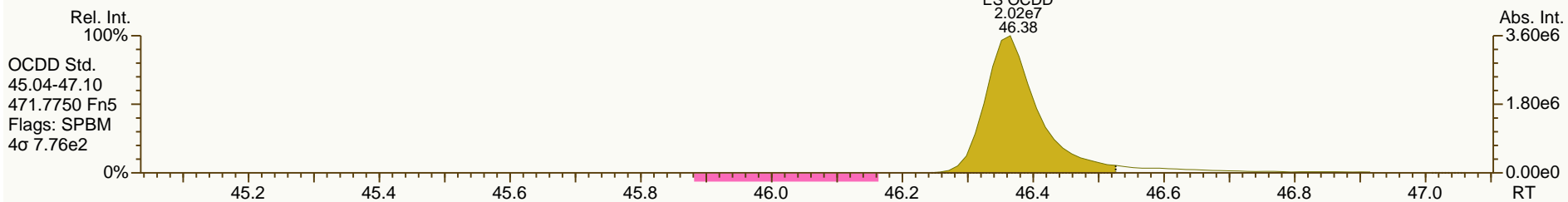
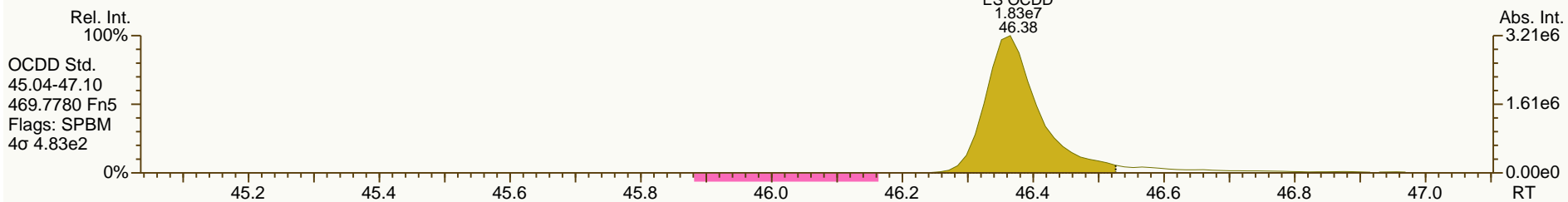
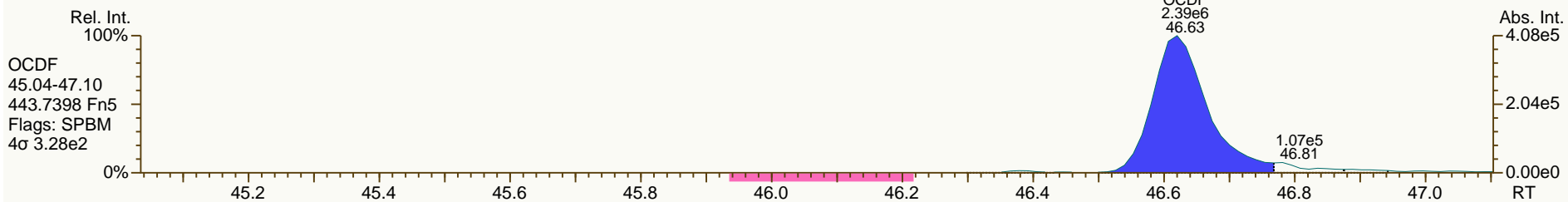
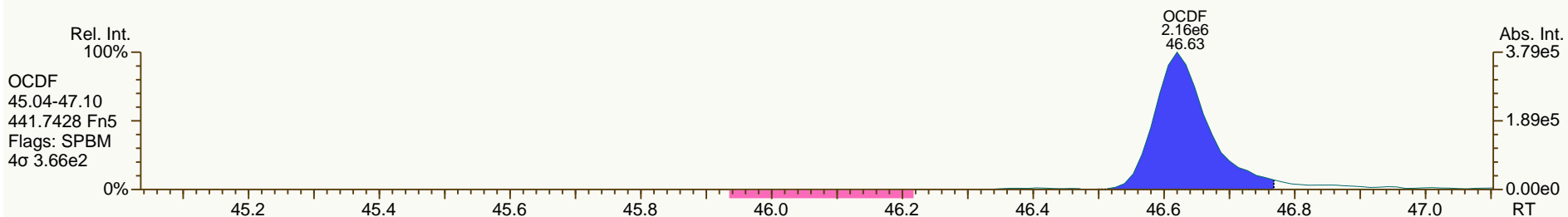












Quantify Sample Summary Report

MassLynx 4.1

Confirms Sample Summary

Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time

Printed: Wednesday, 11/14/2012 10:57:53 AM Eastern Standard Time

7m 11-14-12

Method: C:\MassLynx\Default.PRO\MethDB\VFxms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-12 ✓

Date: 13-Nov-2012

Time: 18:58:55 ✓

ID: 31203251007 ✓

User: JHL

Submitter:

Task: HRMS3

	Name	Response	Ion1Area	Ion2Area	RA	RAFail?	MRRF	RT	Conc	EDL	SN1	SN2	M	Height1	Noise1	Height2	Noise2	Smp Size	FV
1	2378-TCDF	4.198e3	2.246e3	1.952e3	1.15	YES	1.218	21.24 ✓	2.271	0.4111	13.8	13.6	MM	2.870e4	2079	2.473e4	1818	17.94	20
2	ES:13C-2378-TCDF	1.692e5	7.533e4	9.386e4	0.80	NO	1.655	21.23 ✓	100.703	0.8091	266.2	362.3	bb	9.658e5	3629	1.244e6	3432	17.94	20
3	JS:13C-1234-TCDD	1.132e5	5.136e4	6.181e4	0.83	NO	1.000	21.14 ✓	111.483	1.3870	184.0	207.7	bb	6.670e5	3625	7.662e5	3689	17.94	20
4	Tetrafurans	-	3.339e3	-	-	-	1.218	-	3.752	0.4111	-	-	-	4.617e4	2079	-	-	17.94	20
5	F1 Lock Mass	-	-	-	-	-	-	-	-	-	-	-	-	-	80657	-	-	1.00	1

$$[TCDF] = \frac{4.198e3}{1.692e5} \left(\frac{200000}{17.94g \times 0.5601} \right) \left(\frac{1}{1.21803} \right) = 4.05 \text{ pg/g}$$

7m 11-14-12

Quantify Sample Report **MassLynx 4.1**

Confirms Sample Summary

Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time

Printed: Wednesday, 11/14/2012 10:57:53 AM Eastern Standard Time

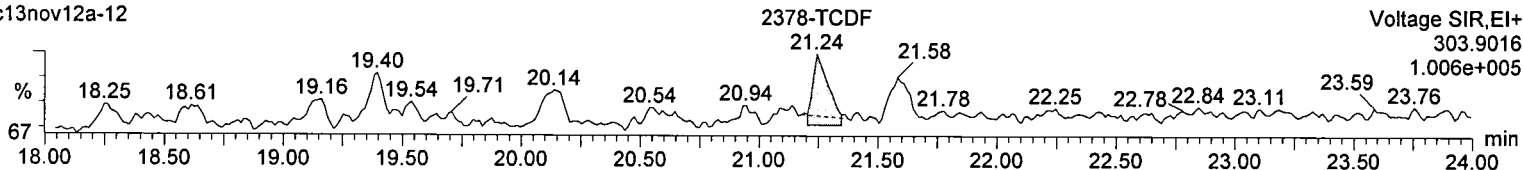
Method: C:\MassLynx\Default.PRO\MethDB\VFxms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-12, ID: 31203251007

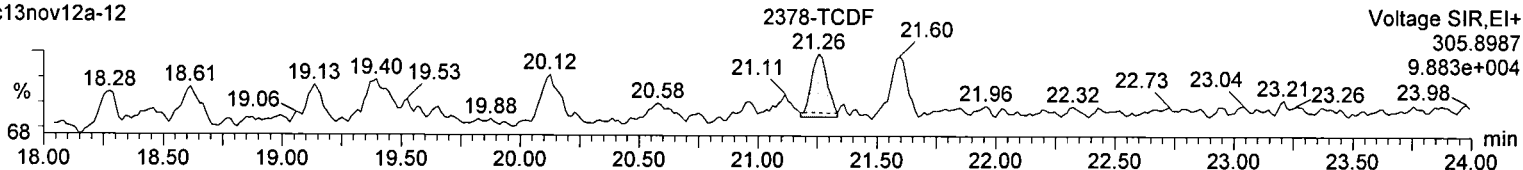
TCDF

c13nov12a-12



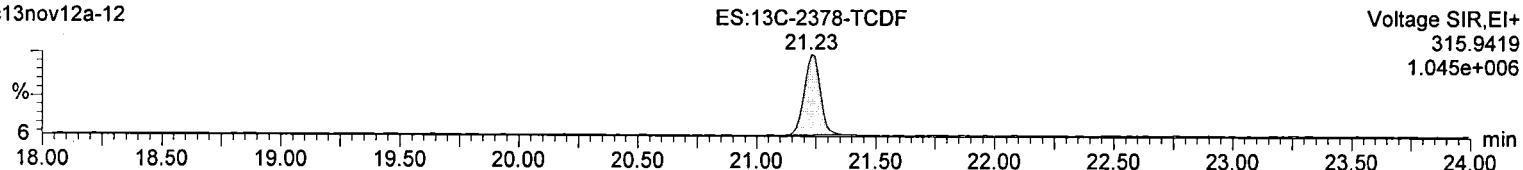
TCDF

c13nov12a-12



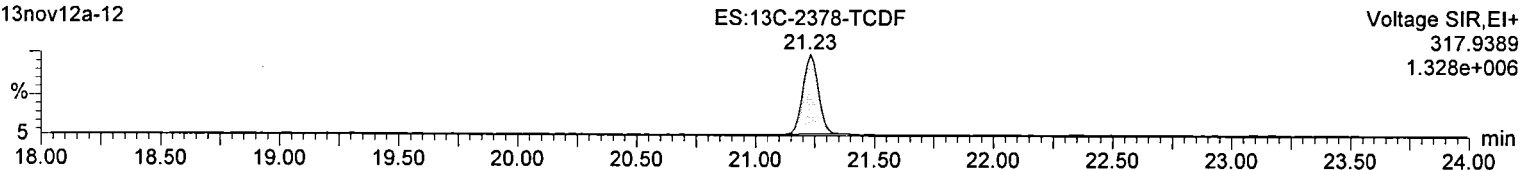
13C-TCDF

c13nov12a-12



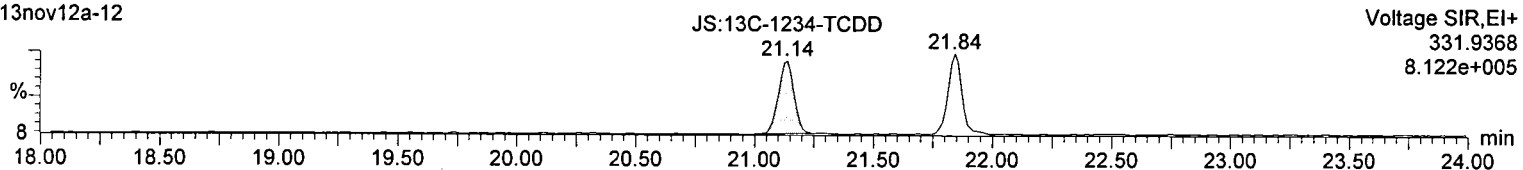
13C-TCDF

c13nov12a-12



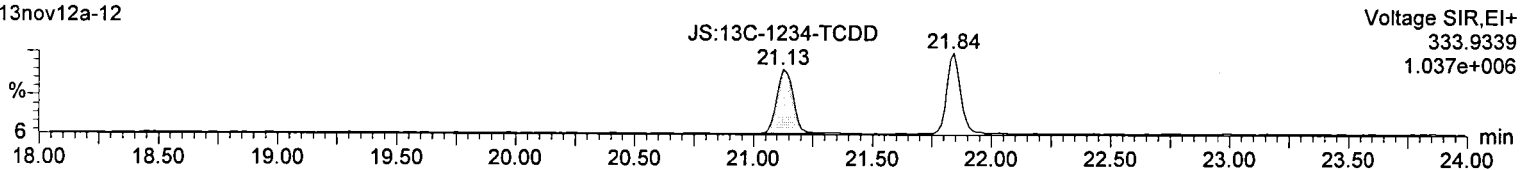
13C-TCDD

c13nov12a-12



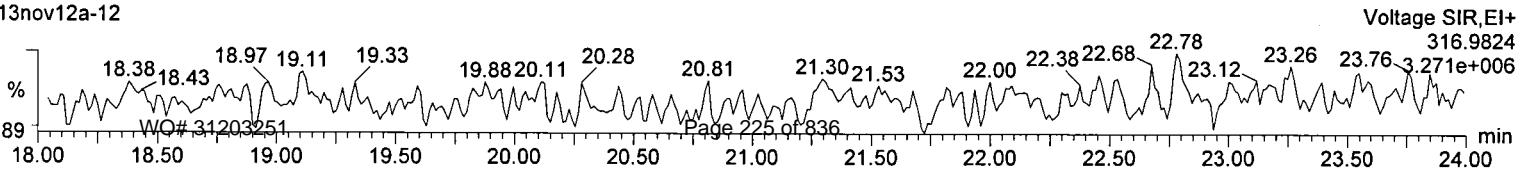
13C-TCDD

c13nov12a-12



F1 Lock Mass

c13nov12a-12



Dataset: C:\MassLynx\Default.pro\Results\c13nov12a-5_14.qld

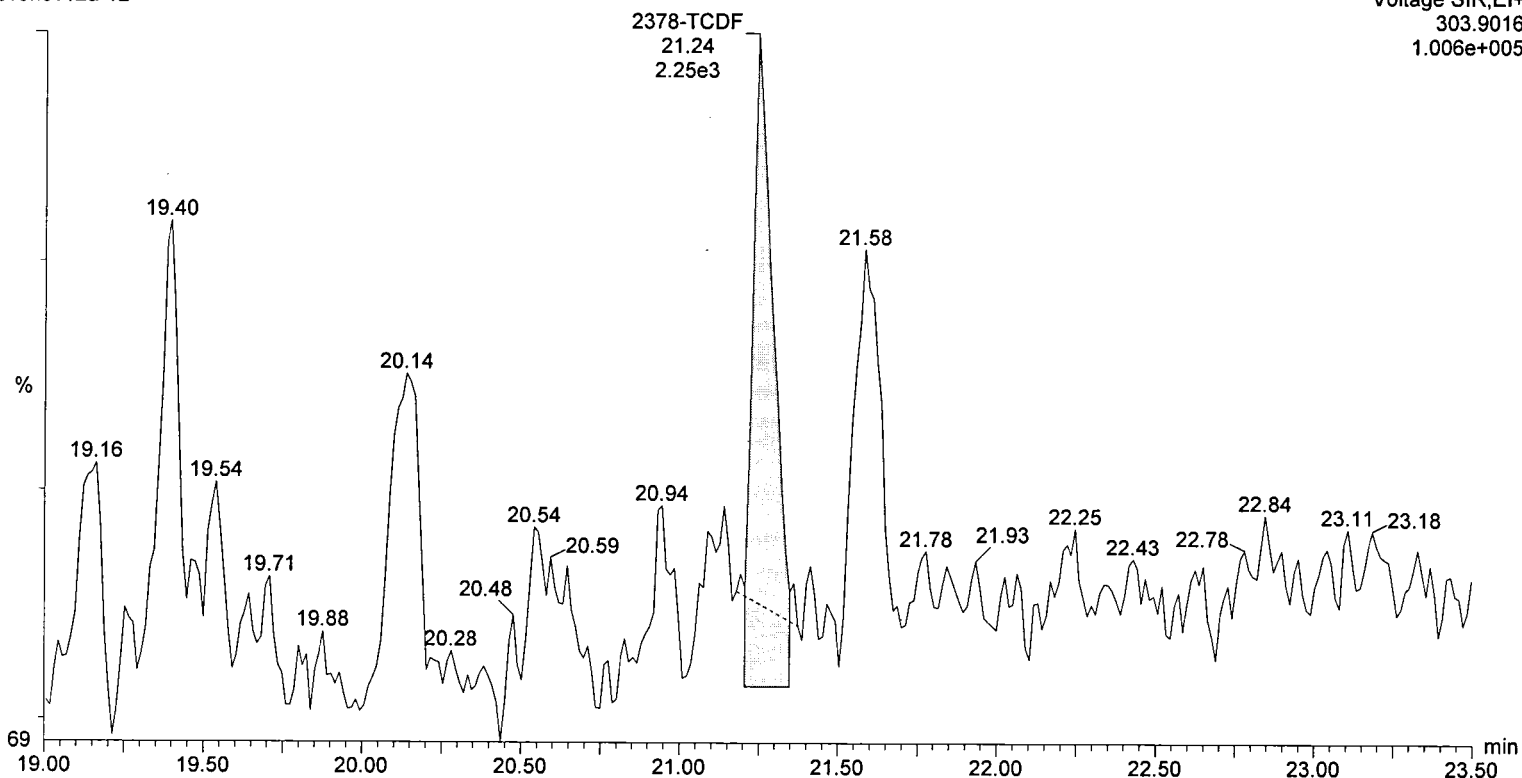
Last Altered: Wednesday, 11/14/2012 10:46:12 AM Eastern Standard Time
Printed: Wednesday, 11/14/2012 10:59:59 AM Eastern Standard Time

*nm
for 11/14/12*

Name: c13nov12a-12, ID: 31203251007

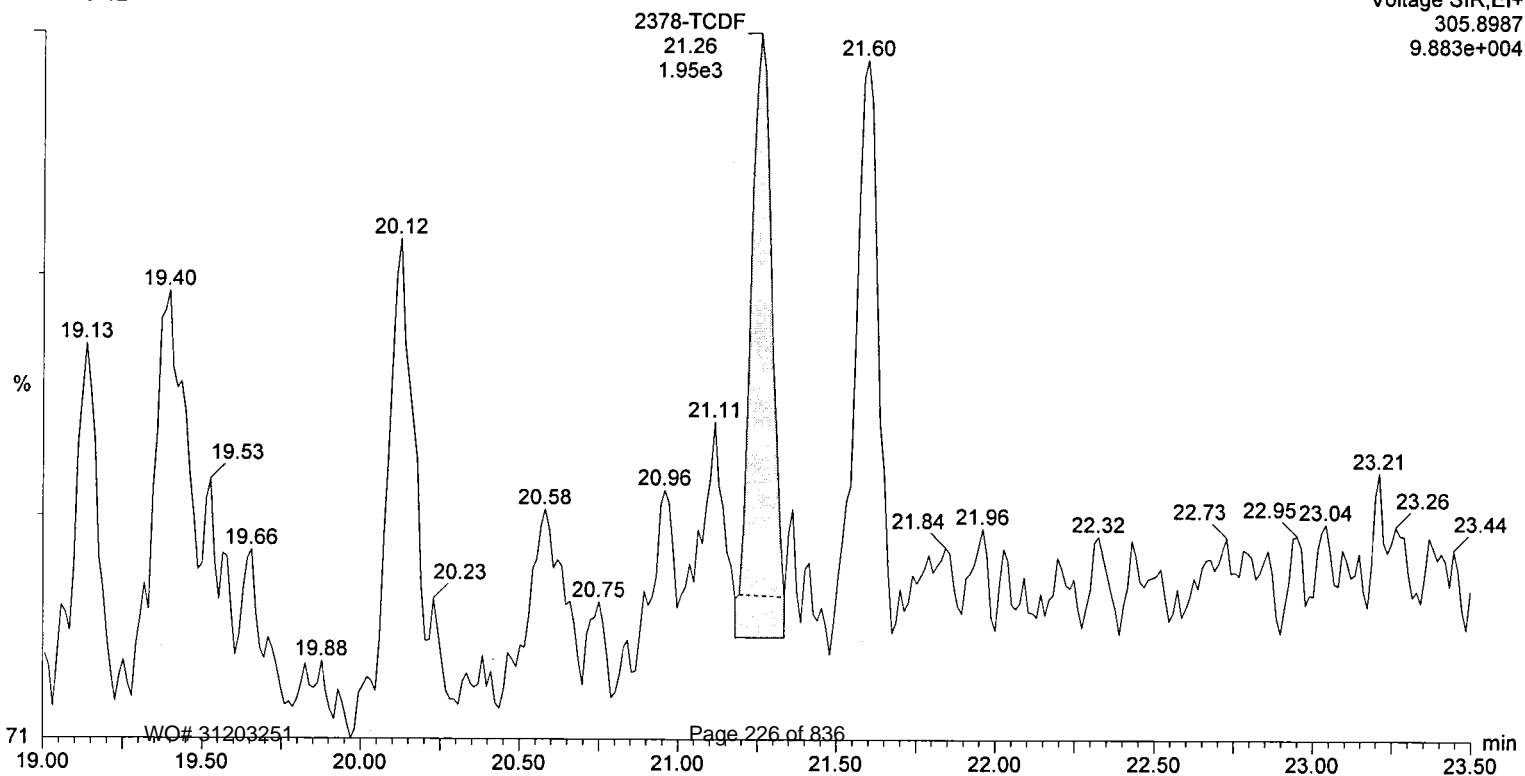
TCDF

c13nov12a-12



TCDF

c13nov12a-12



Batch Summary

Analytical Method: EPA 1613B

Prep Method: EPA 1613 PREP S/D/T

Prep Batch: HXX1816

Prep Date: 10/16/2012 15:46

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Analysis Date</u>	<u>Analytical Batch</u>	<u>Instrument</u>	<u>Analyst</u>
OPR for HBN 30723 [HXX/1816]	95872	10/28/2012 09:45	HRD1905	APHRMS	MDC
LMB for HBN 30723 [HXX/1816]	95871	10/28/2012 11:27	HRD1905	APHRMS	MDC
JW-EA10-SS41-120507	31203251005	10/28/2012 12:18	HRD1905	APHRMS	MDC
JW-EA10-SS40-120507	31203251004	10/28/2012 13:09	HRD1905	APHRMS	MDC
JW-EA10-SS39-120507	31203251003	10/28/2012 14:01	HRD1905	APHRMS	MDC
JW-EA09-SS38-120507	31203251002	10/28/2012 14:52	HRD1905	APHRMS	MDC
JW-EA09-SS37-120507	31203251001	10/28/2012 15:42	HRD1905	APHRMS	MDC
JW-EA10-SS42-120507	31203251006	10/28/2012 16:34	HRD1905	APHRMS	MDC
JW-EA10-SS43-120507	31203251007	10/28/2012 17:25	HRD1905	APHRMS	MDC
JW-EA10-SS40-120507	31203251004	11/13/2012 15:07	HRD1933	HRMS3	JHL
JW-EA10-SS39-120507	31203251003	11/13/2012 15:56	HRD1933	HRMS3	JHL
JW-EA10-SS41-120507	31203251005	11/13/2012 16:36	HRD1933	HRMS3	JHL
JW-EA09-SS37-120507	31203251001	11/13/2012 17:11	HRD1933	HRMS3	JHL
JW-EA09-SS38-120507	31203251002	11/13/2012 17:46	HRD1933	HRMS3	JHL
JW-EA10-SS42-120507	31203251006	11/13/2012 18:22	HRD1933	HRMS3	JHL
JW-EA10-SS43-120507	31203251007	11/13/2012 18:58	HRD1933	HRMS3	JHL

Method Blank Summary

Blank ID: LMB for HBN 30723 [HXX/1816]

Matrix: Soil-Solid as dry weight

Blank Lab ID: 95871

QC for Samples:

31203251001, 31203251002, 31203251003, 31203251004, 31203251005, 31203251006, 31203251007

Results by EPA 1613B

Parameter	Result	EMPC	Qual	DL	LOQ/CL	Units	RT	Ratio
2,3,7,8-TCDD	ND		U	0.0440	0.500	pg/g		
1,2,3,7,8-PeCDD	ND		U	0.0488	2.50	pg/g		
1,2,3,4,7,8-HxCDD	ND		U	0.0501	2.50	pg/g		
1,2,3,6,7,8-HxCDD	ND		U	0.0576	2.50	pg/g		
1,2,3,7,8,9-HxCDD	ND		U	0.0541	2.50	pg/g		
1,2,3,4,6,7,8-HpCDD	ND		U	0.0730	2.50	pg/g		
OCDD	ND		U	0.179	5.00	pg/g		
2,3,7,8-TCDF	ND		U	0.0361	0.500	pg/g		
1,2,3,7,8-PeCDF	ND		U	0.0540	2.50	pg/g		
2,3,4,7,8-PeCDF	ND		U	0.0494	2.50	pg/g		
1,2,3,4,7,8-HxCDF	ND		U	0.0468	2.50	pg/g		
1,2,3,6,7,8-HxCDF	ND		U	0.0419	2.50	pg/g		
2,3,4,6,7,8-HxCDF	ND		U	0.0404	2.50	pg/g		
1,2,3,7,8,9-HxCDF	ND		U	0.0613	2.50	pg/g		
1,2,3,4,6,7,8-HpCDF	ND		U	0.0488	2.50	pg/g		
1,2,3,4,7,8,9-HpCDF	ND		U	0.0639	2.50	pg/g		
OCDF	ND		U	0.0845	5.00	pg/g		
Total TCDD	ND		U	0.0440	0.500	pg/g		
Total TCDF	ND		U	0.0361	0.500	pg/g		
Total PeCDD	ND		U	0.0488	2.50	pg/g		
Total PeCDF	ND		U	0.0516	2.50	pg/g		
Total HxCDD	ND		U	0.0539	2.50	pg/g		
Total HxCDF	ND		U	0.0467	2.50	pg/g		
Total HpCDD	ND	0.0801	J	0.0730	2.50	pg/g		
Total HpCDF	ND		U	0.0557	2.50	pg/g		

Labeled Standards

13C-2378-TCDD	80.0				25.0-164	%		
13C-12378-PeCDD	72.0				25.0-181	%		
13C-123478-HxCDD	90.0				32.0-141	%		
13C-123678-HxCDD	84.0				28.0-130	%		
13C-1234678-HpCDD	91.0				23.0-140	%		
13C-OCDD	77.0				17.0-157	%		
13C-2378-TCDF	75.0				24.0-169	%		
13C-12378-PeCDF	69.0				24.0-185	%		
13C-23478-PeCDF	69.0				21.0-178	%		
13C-123478-HxCDF	78.0				26.0-152	%		
13C-123678-HxCDF	87.0				26.0-123	%		
13C-234678-HxCDF	89.0				29.0-147	%		
13C-123789-HxCDF	79.0				28.0-136	%		

Method Blank Summary

Blank ID: LMB for HBN 30723 [HXX/1816]

Matrix: Soil-Solid as dry weight

Blank Lab ID: 95871

QC for Samples:

31203251001, 31203251002, 31203251003, 31203251004, 31203251005, 31203251006, 31203251007

Results by EPA 1613B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
13C-1234678-HpCDF	78.0				28.0-143	%		
13C-1234789-HpCDF	86.0				26.0-138	%		
37Cl-2378-TCDD	97.0				35.0-197	%		

Batch Information

Analytical Batch: **HRD1905**

Prep Batch: **HXX1816**

Analytical Method: **EPA 1613B**

Prep Method: **EPA 1613 PREP S/D/T**

Instrument: **APHRMS**

Prep Date/Time: **10/16/2012 15:46**

Analyst: **MDC**

Prep Initial Wt./Vol.: **10 g**

Analytical Date/Time: **10/28/2012 11:27**

Prep Extract Vol: **20 uL**

Lab ID: MB1_10237_DF_SDS

Client ID: MB1_10237_DF_SDS

Datafile: 121028P1-04

REVIEWED

By Tamara Morgan at 2:05 pm, 10/31/12

Acq'd: 28 Oct 2012 11:27 MDC

UTP: 29-Oct-2012 13:41 MDC

Report: 29 Oct 2012 13:42 MC

Wt/Vol: 10.00 g

J-level: 0.5 pg/g Split: 1

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

ICAL: 1613_SGS

Checkcode: 818-981-LYC

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.08	-	857	0.044
12378-PeCDD	NotFnd		1.0006	-		-	-	-	1.07	-	739	0.0488
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.05	-	691	0.0501
123678-HxCDD	NotFnd		1.0039	-		-	-	-	0.98	-	691	0.0576
123789-HxCDD	NotFnd		1.0129	-		-	-	-	1.01	-	691	0.0541
1234678-HpCDD	NotFnd		1.0005	-		-	-	-	1.09	-	824	0.073
OCDD	NotFnd		1.0005	-		-	-	-	1.11	-	1112	0.179
2378-TCDF	NotFnd		1.0009	-		-	-	-	0.98	-	969	0.0361
12378-PeCDF	NotFnd		1.0007	-		-	-	-	0.99	-	1235	0.054
23478-PeCDF	NotFnd		1.0006	-		-	-	-	1.02	-	1235	0.0494
123478-HxCDF	NotFnd		1.0006	-		-	-	-	1.19	-	871	0.0468
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.16	-	871	0.0419
234678-HxCDF	NotFnd		1.0006	-		-	-	-	1.18	-	871	0.0404
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.09	-	871	0.0613
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.35	-	763	0.0488
1234789-HpCDF	NotFnd		1.0004	-		-	-	-	1.34	-	763	0.0639
OCDF	NotFnd		1.0057	-		-	-	-	1.40	-	662	0.0845

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.52	1.0281	1.0279	-0.3	4.33E+07	0.80	Y	1.04	79.8
ES 12378-PeCDD	33.82	1.2639	1.2632	-1.1	3.24E+07	1.58	Y	0.87	71.8
ES 123478-HxCDD	38.46	0.9876	0.9877	+0.2	2.98E+07	1.28	Y	0.94	90
ES 123678-HxCDD	38.59	0.9910	0.9911	+0.2	3.12E+07	1.28	Y	1.06	83.5
ES 1234678-HpCDD	42.62	1.0943	1.0945	+0.5	2.54E+07	1.06	Y	0.80	90.6
ES OCDD	46.37	1.1907	1.1906	-0.2	3.42E+07	0.90	Y	0.63	77
ES 2378-TCDF	26.52	0.9907	0.9908	+0.2	6.79E+07	0.80	Y	1.74	75
ES 12378-PeCDF	32.08	1.1992	1.1985	-1.1	5.34E+07	1.58	Y	1.49	68.6
ES 23478-PeCDF	33.40	1.2484	1.2477	-1.1	5.29E+07	1.57	Y	1.48	68.5
ES 123478-HxCDF	37.29	0.9577	0.9577	0	3.47E+07	0.51	Y	1.27	77.6
ES 123678-HxCDF	37.46	0.9619	0.9620	+0.2	4.34E+07	0.52	Y	1.41	87.5
ES 234678-HxCDF	38.24	0.9821	0.9821	0	4.19E+07	0.51	Y	1.34	88.5
ES 123789-HxCDF	39.36	1.0108	1.0108	0	3.35E+07	0.52	Y	1.20	79.1
ES 1234678-HpCDF	41.35	1.0618	1.0619	+0.2	2.90E+07	0.46	Y	1.06	77.9
ES 1234789-HpCDF	43.23	1.1100	1.1102	+0.5	2.49E+07	0.45	Y	0.82	86.1

Lab ID: MB1_10237_DF_SDS
 Client ID: MB1_10237_DF_SDS
 Datafile: 121028P1-04

Acq'd: 28 Oct 2012 11:27 MDC
 UTP: 29-Oct-2012 13:41 MDC
 Report: 29 Oct 2012 13:42 MC

Wt/Vol: 10.00 g
 J-level: 0.5 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37Cl)
 ICAL: 1613_SGS
 Checkcode: 818-981-LYC

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.77		-	-	-	5.21E+07	0.79	Y	-	-
JS 123789-HxCDD	38.94		-	-	-	3.52E+07	1.28	Y	-	-
CS 37Cl-2378-TCDD	27.54		1.0291	1.0288	-0.5	1.19E+07	n/a	-	1.17	97.5
SS 37Cl-2378-TCDD	27.54	NA	1.0291	1.0288	-0.5	1.19E+07	n/a	-	1.12	122

Totals	Conc	EMPC	EDL
Total TCDD	0	0	0.044
Total PeCDD	0	0	0.0488
Total HxCDD	0	0	0.0539
Total HpCDD	0	0.0801	0.073
Total Tetra-Octa Dioxins	0	0.0801	
Total TCDF	0	0	0.0361
Total PeCDF	0	0	0.0516
Total HxCDF	0	0	0.0467
Total HpCDF	0	0	0.0557
Total Tetra-Octa Furans	0	0	
Total Tetra-Octa Dioxins & Furans	0	0.0801	

Lab ID: MB1_10237_DF_SDS

Acq'd: 28 Oct 2012 11:27 MDC

Wt/Vol: 10.00 g

ICAL: 1613_SGS

Client ID: MB1_10237_DF_SDS

UTP: 29-Oct-2012 13:41 MDC

J-level: 0.5 pg/g Split: 1

Checkcode: 818-981-LYC

Datafile: 121028P1-04

Report: 29 Oct 2012 13:42 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
TCDD	NotFnd		0.8504						1.08		857	0.044
TCDD	NotFnd		0.8649						1.08		857	0.044
TCDD	NotFnd		0.8835						1.08		857	0.044
TCDD	NotFnd		0.9152						1.08		857	0.044
TCDD	NotFnd		0.9241						1.08		857	0.044
TCDD	NotFnd		0.9327						1.08		857	0.044
TCDD	NotFnd		0.9408						1.08		857	0.044
TCDD	NotFnd		0.9512						1.08		857	0.044
TCDD	NotFnd		0.9580						1.08		857	0.044
TCDD	NotFnd		0.9736						1.08		857	0.044
TCDD	NotFnd		0.9785						1.08		857	0.044
TCDD	NotFnd		0.9884						1.08		857	0.044
TCDD	NotFnd		0.9945						1.08		857	0.044
2378-TCDD	NotFnd		1.0009						1.08		857	0.044
TCDD	NotFnd		1.0147						1.08		857	0.044
TCDD	NotFnd		1.0206						1.08		857	0.044
TCDD	NotFnd		1.0423						1.08		857	0.044
PeCDD	NotFnd		0.9131						1.07		739	0.0488
PeCDD	NotFnd		0.9319						1.07		739	0.0488
PeCDD	NotFnd		0.9511						1.07		739	0.0488
PeCDD	NotFnd		0.9576						1.07		739	0.0488
PeCDD	NotFnd		0.9611						1.07		739	0.0488
PeCDD	NotFnd		0.9703						1.07		739	0.0488
PeCDD	NotFnd		0.9829						1.07		739	0.0488
12378-PeCDD	NotFnd		1.0006						1.07		739	0.0488
PeCDD	NotFnd		1.0039						1.07		739	0.0488
PeCDD	NotFnd		1.0161						1.07		739	0.0488
HxCDD	NotFnd		0.9479						1.01		691	0.0539
HxCDD	NotFnd		0.9682						1.01		691	0.0539
HxCDD	NotFnd		0.9771						1.01		691	0.0539
HxCDD	NotFnd		0.9811						1.01		691	0.0539
123478-HxCDD	NotFnd		1.0004						1.05		691	0.0501
123678-HxCDD	NotFnd		1.0039						0.98		691	0.0576
HxCDD	NotFnd		1.0097						1.01		691	0.0539
123789-HxCDD	NotFnd		1.0129						1.01		691	0.0541

Lab ID: MB1_10237_DF_SDS

Acq'd: 28 Oct 2012 11:27 MDC

Wt/Vol: 10.00 g

ICAL: 1613_SGS

Client ID: MB1_10237_DF_SDS

UTP: 29-Oct-2012 13:41 MDC

J-level: 0.5 pg/g Split: 1

Checkcode: 818-981-LYC

Datafile: 121028P1-04

Report: 29 Oct 2012 13:42 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
HpCDD	41.72		0.9793	0.9788	-1.3	1.11E+04	0.63	N	1.09	0.0801	824	0.073
1234678-HpCDD	NotFnd		1.0005						1.09		824	0.073
OCDD	NotFnd		1.0005						1.11		1112	0.179
OCDD-a	NotFnd		1.0001						1.00		1159	0.206
TCDF	NotFnd		0.7983						0.98		969	0.0361
TCDF	NotFnd		0.8218						0.98		969	0.0361
TCDF	NotFnd		0.8463						0.98		969	0.0361
TCDF	NotFnd		0.8625						0.98		969	0.0361
TCDF	NotFnd		0.8677						0.98		969	0.0361
TCDF	NotFnd		0.8787						0.98		969	0.0361
TCDF	NotFnd		0.8840						0.98		969	0.0361
TCDF	NotFnd		0.8998						0.98		969	0.0361
TCDF	NotFnd		0.9054						0.98		969	0.0361
TCDF	NotFnd		0.9125						0.98		969	0.0361
TCDF	NotFnd		0.9279						0.98		969	0.0361
TCDF	NotFnd		0.9334						0.98		969	0.0361
TCDF	NotFnd		0.9381						0.98		969	0.0361
TCDF	NotFnd		0.9439						0.98		969	0.0361
TCDF	NotFnd		0.9630						0.98		969	0.0361
TCDF	NotFnd		0.9674						0.98		969	0.0361
TCDF	NotFnd		0.9746						0.98		969	0.0361
TCDF	NotFnd		0.9829						0.98		969	0.0361
TCDF	NotFnd		0.9916						0.98		969	0.0361
TCDF	NotFnd		0.9963						0.98		969	0.0361
2378-TCDF	NotFnd		1.0009						0.98		969	0.0361
TCDF	NotFnd		1.0166						0.98		969	0.0361
TCDF	NotFnd		1.0274						0.98		969	0.0361
TCDF	NotFnd		1.0390						0.98		969	0.0361
TCDF	NotFnd		1.0886						0.98		969	0.0361
PeCDF	NotFnd		0.8975						1.00		1225	0.0512
PeCDF	NotFnd		0.9542						1.00		1235	0.0516
PeCDF	NotFnd		0.9587						1.00		1235	0.0516
PeCDF	NotFnd		0.9636						1.00		1235	0.0516
PeCDF	NotFnd		0.9671						1.00		1235	0.0516
PeCDF	NotFnd		0.9760						1.00		1235	0.0516
PeCDF	NotFnd		0.9810						1.00		1235	0.0516

Lab ID: MB1_10237_DF_SDS

Acq'd: 28 Oct 2012 11:27 MDC

Wt/Vol: 10.00 g

ICAL: 1613_SGS

Client ID: MB1_10237_DF_SDS

UTP: 29-Oct-2012 13:41 MDC

J-level: 0.5 pg/g Split: 1

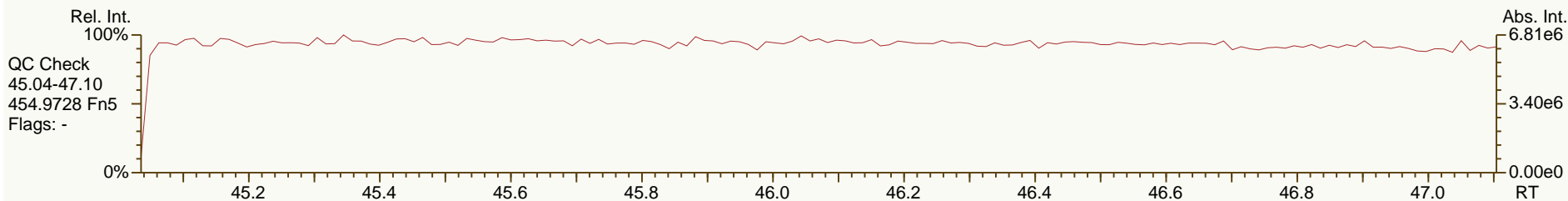
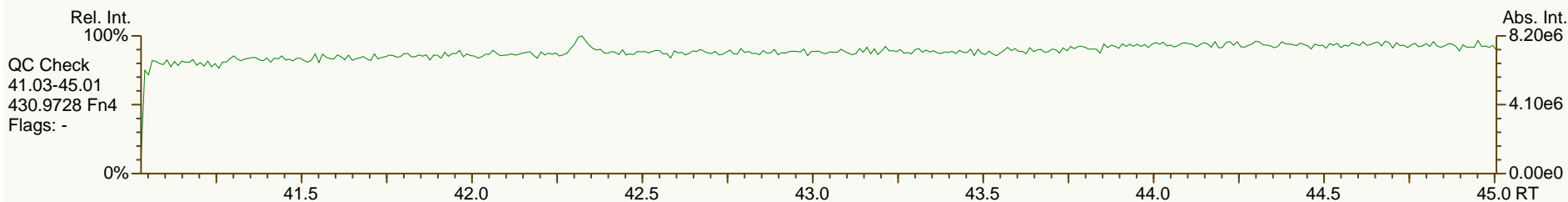
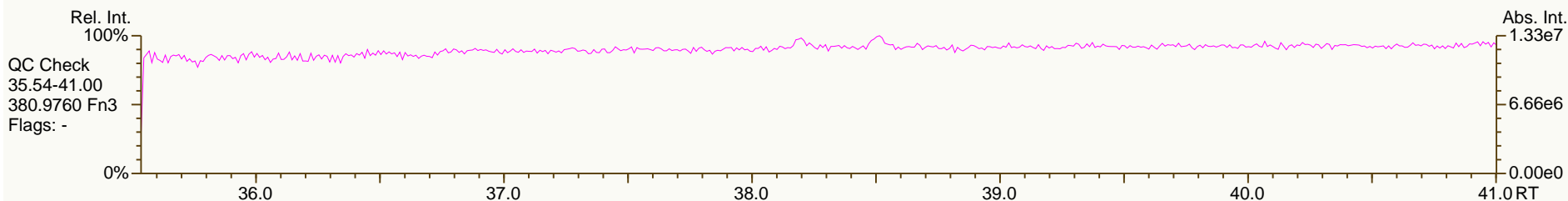
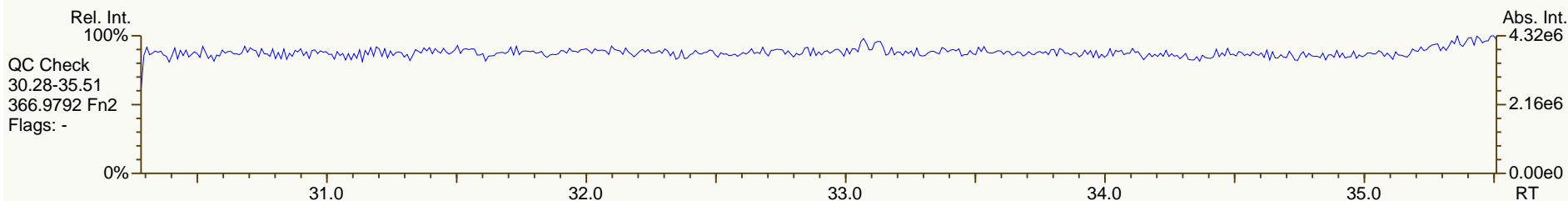
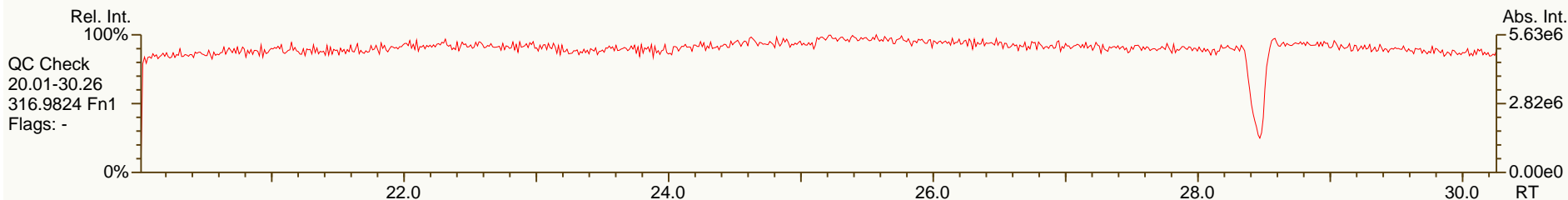
Checkcode: 818-981-LYC

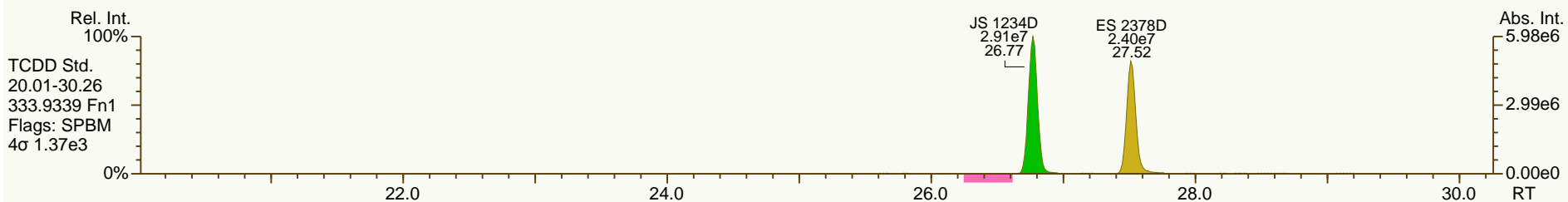
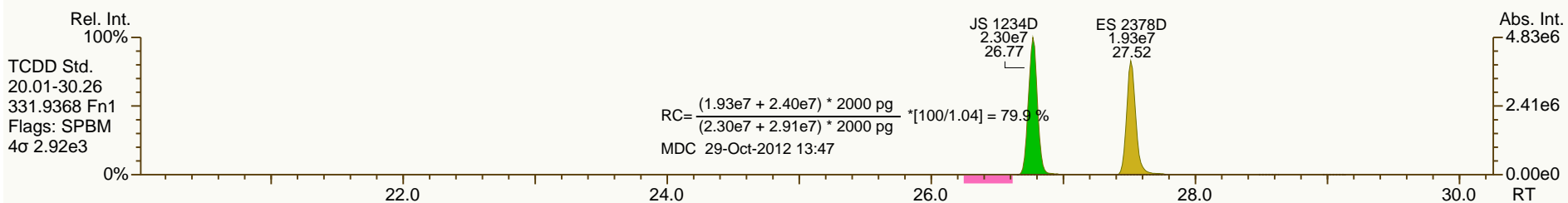
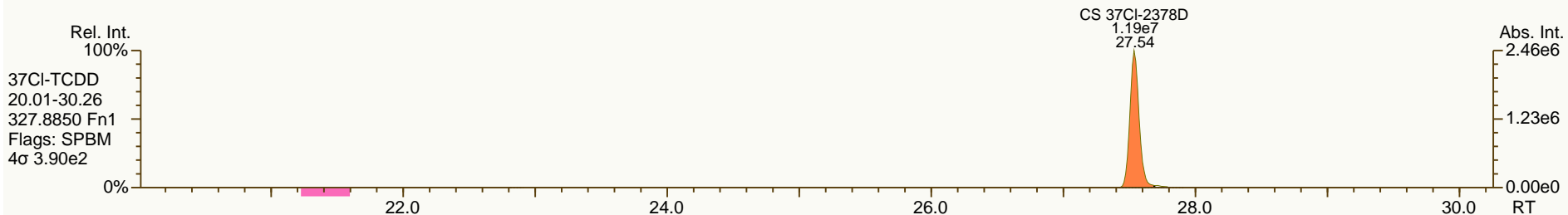
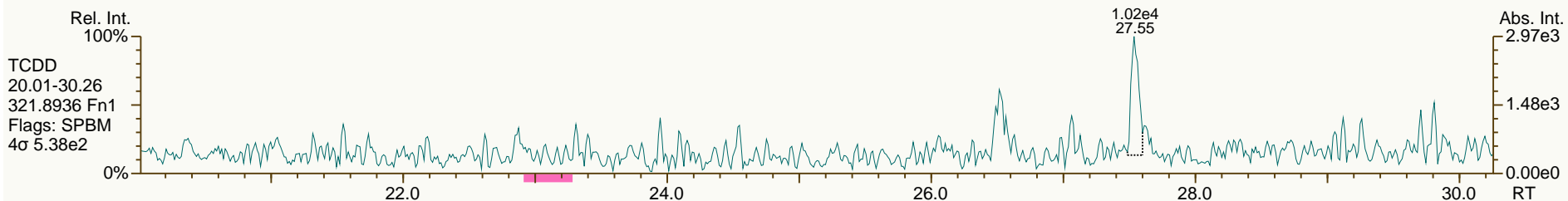
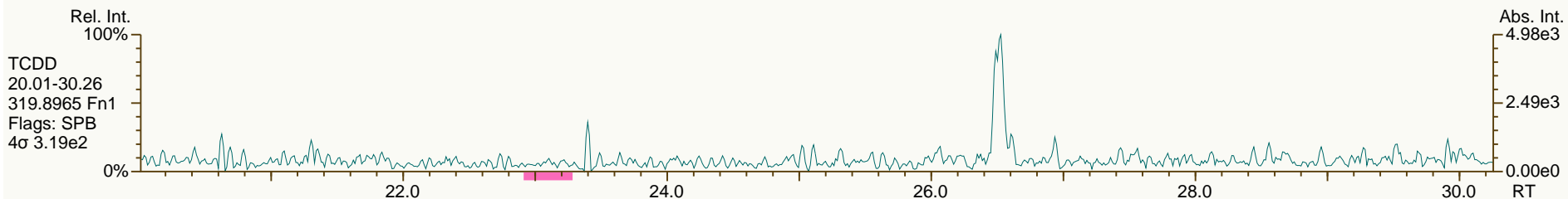
Datafile: 121028P1-04

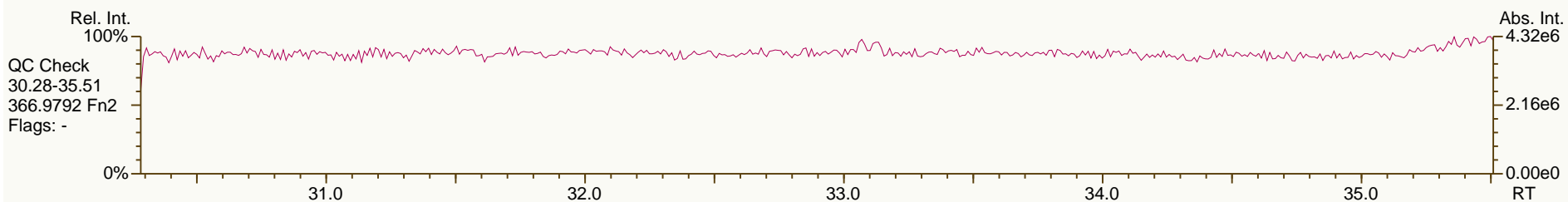
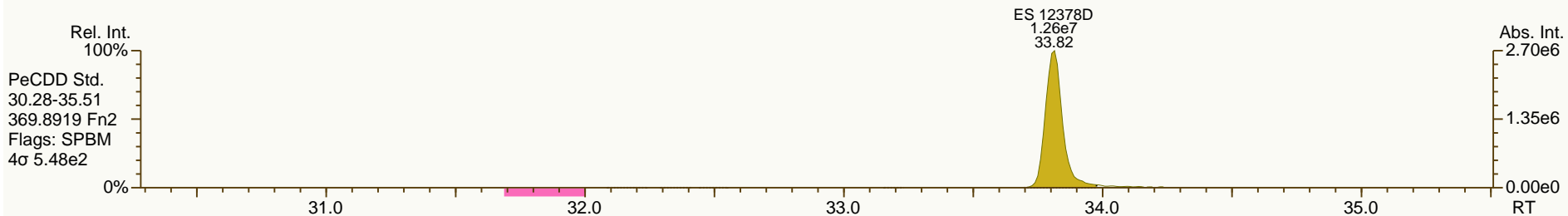
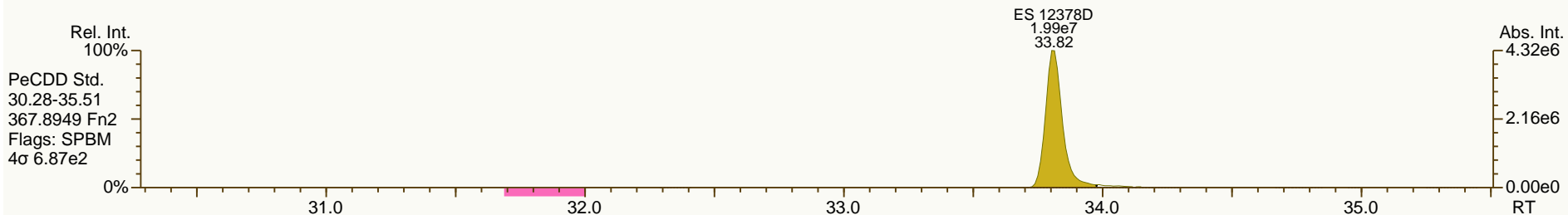
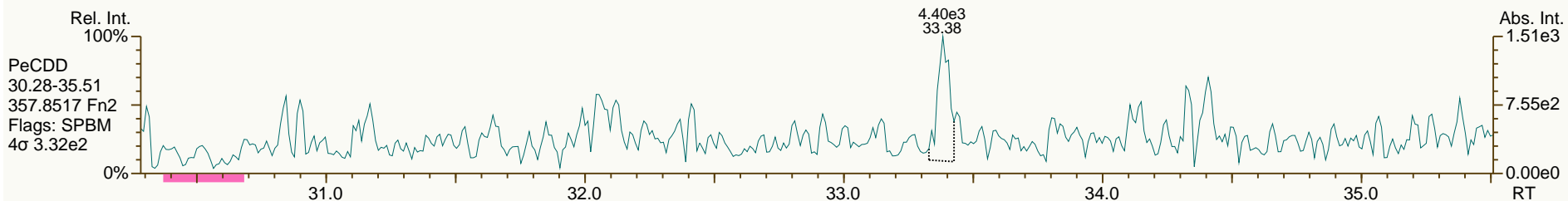
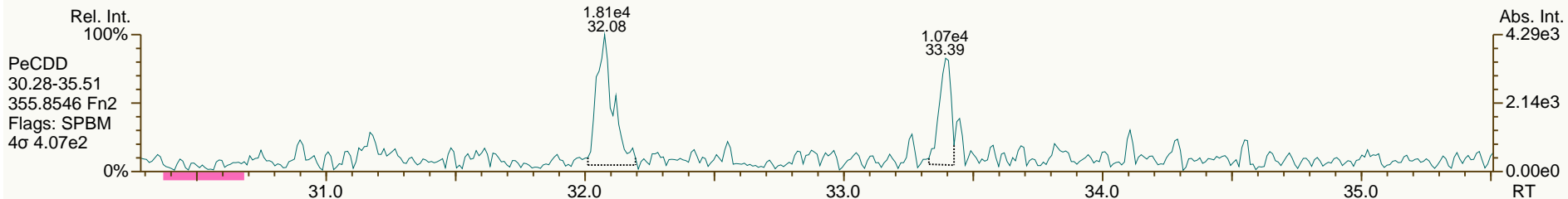
Report: 29 Oct 2012 13:42 MC

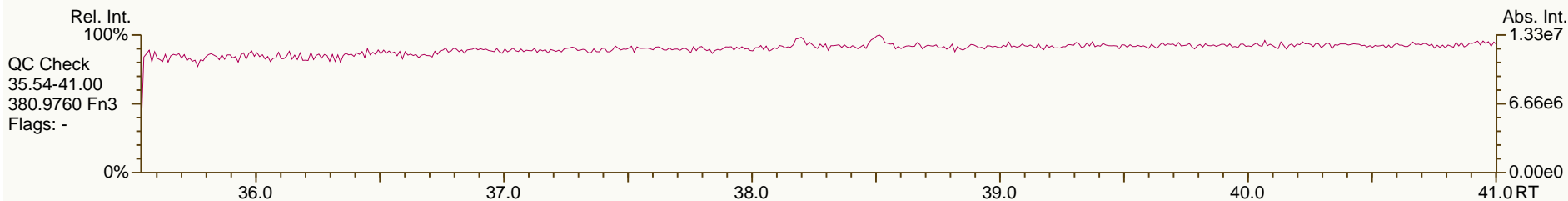
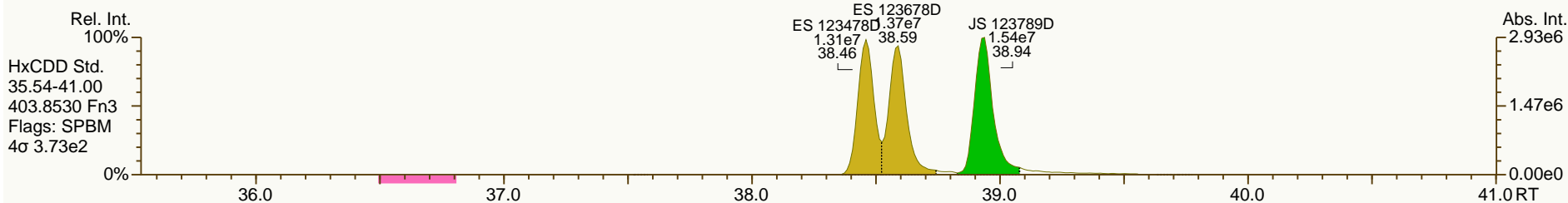
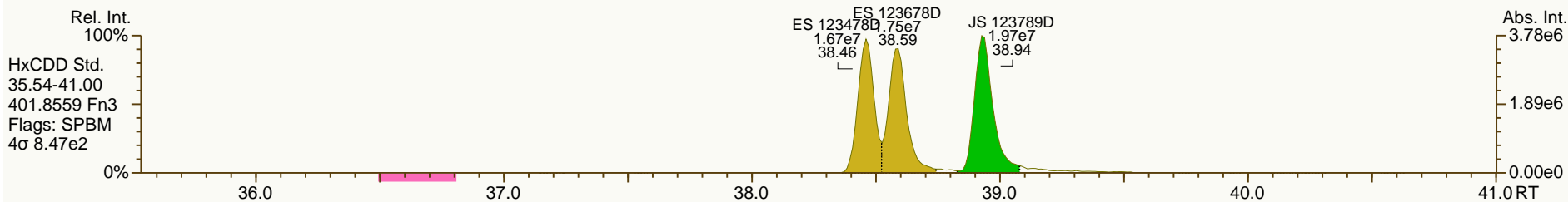
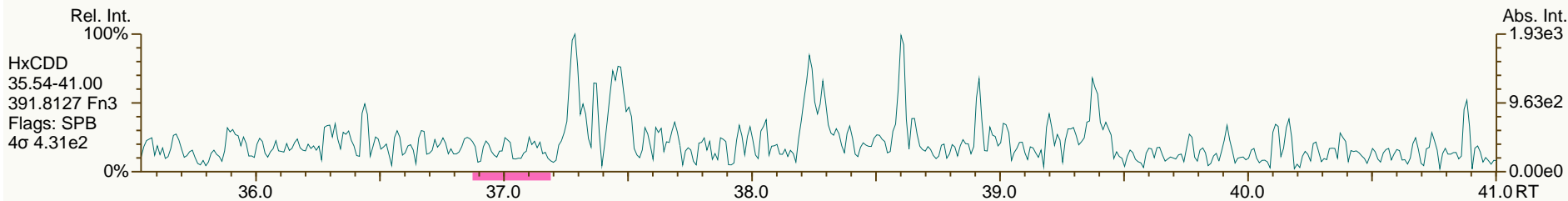
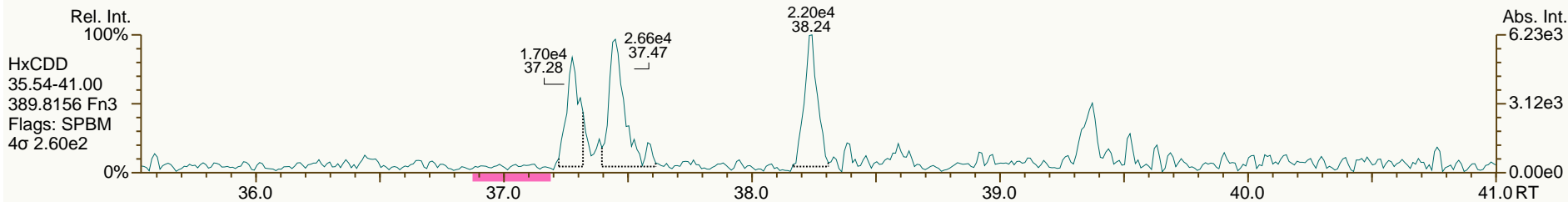
Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

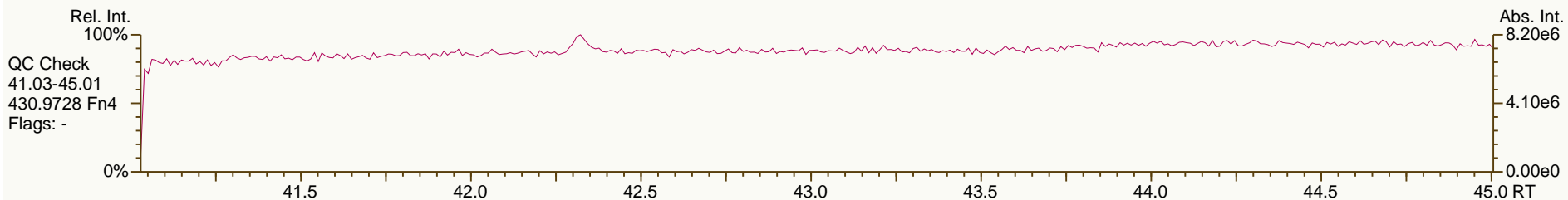
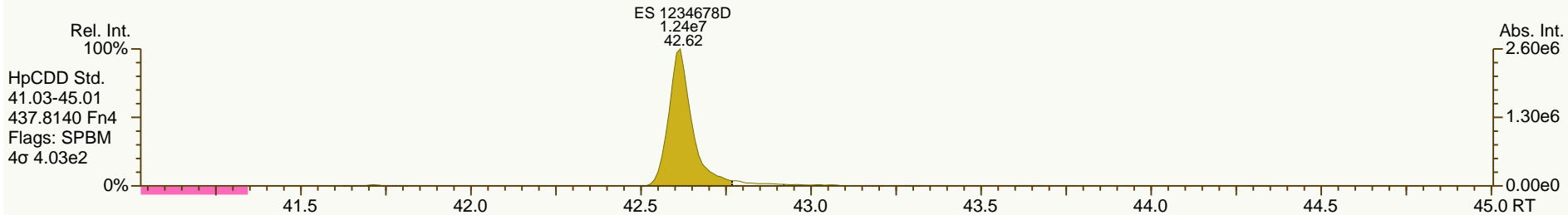
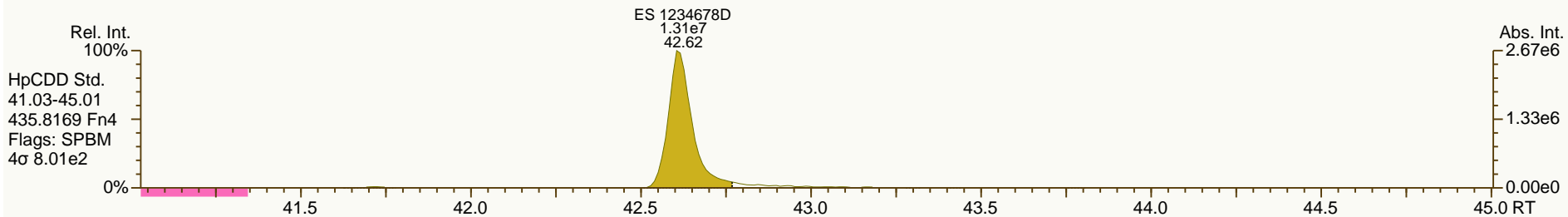
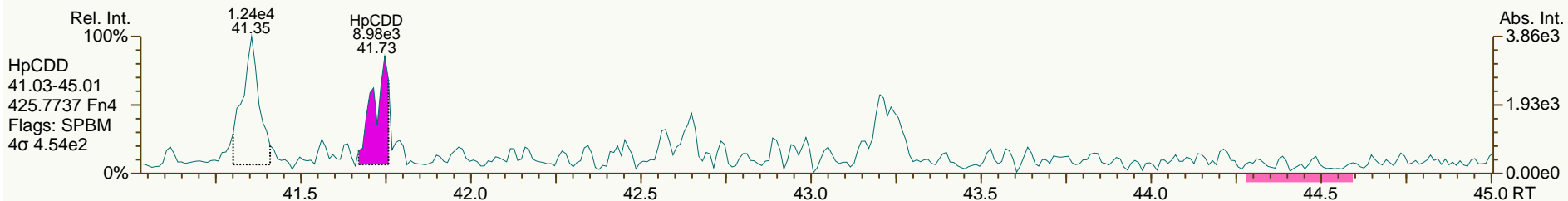
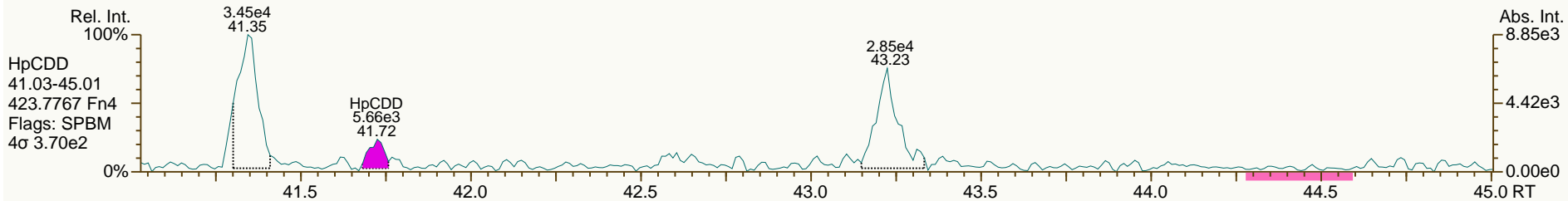
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
PeCDF	NotFnd		0.9847						1.00		1235	0.0516
PeCDF	NotFnd		0.9870						1.00		1235	0.0516
PeCDF	NotFnd		0.9930						1.00		1235	0.0516
12378-PeCDF	NotFnd		1.0007						0.99		1235	0.054
PeCDF	NotFnd		1.0113						1.00		1235	0.0516
PeCDF	NotFnd		1.0169						1.00		1235	0.0516
PeCDF	NotFnd		0.9917						1.00		1235	0.0516
PeCDF	NotFnd		0.9962						1.00		1235	0.0516
23478-PeCDF	NotFnd		1.0006						1.02		1235	0.0494
PeCDF	NotFnd		0.0000						1.02		0	0
PeCDF	NotFnd		1.0023						1.00		1235	0.0516
PeCDF	NotFnd		1.0120						1.00		1235	0.0516
PeCDF	NotFnd		1.0389						1.00		1235	0.0516
HxCDF	NotFnd		0.9565						1.15		871	0.0467
HxCDF	NotFnd		0.9627						1.15		871	0.0467
HxCDF	NotFnd		0.9700						1.15		871	0.0467
HxCDF	NotFnd		0.9762						1.15		871	0.0467
HxCDF	NotFnd		0.9833						1.15		871	0.0467
HxCDF	NotFnd		0.9968						1.15		871	0.0467
123478-HxCDF	NotFnd		1.0006						1.19		871	0.0468
123678-HxCDF	NotFnd		1.0005						1.16		871	0.0419
HxCDF	NotFnd		1.0055						1.15		871	0.0467
HxCDF	NotFnd		1.0102						1.15		871	0.0467
HxCDF	NotFnd		0.9933						1.15		871	0.0467
234678-HxCDF	NotFnd		1.0006						1.18		871	0.0404
HxCDF	NotFnd		0.0000						1.18		0	0
HxCDF	NotFnd		1.0009						1.15		871	0.0467
123789-HxCDF	NotFnd		1.0005						1.09		871	0.0613
HxCDF	NotFnd		0.0000						1.09		0	0
123489-HxCDF	NotFnd		1.0013						1.15		871	0.0467
1234678-HpCDF	NotFnd		1.0004						1.35		763	0.0488
HpCDF	NotFnd		1.0091						1.34		763	0.0557
HpCDF	NotFnd		1.0140						1.34		763	0.0557
1234789-HpCDF	NotFnd		1.0004						1.34		763	0.0639
OCDF	NotFnd		1.0057						1.40		662	0.0845
OCDF-a	NotFnd		1.0053						1.00		811	0.144

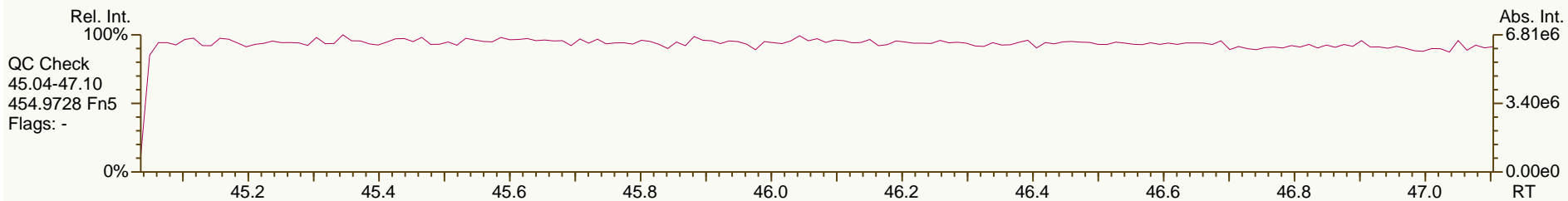
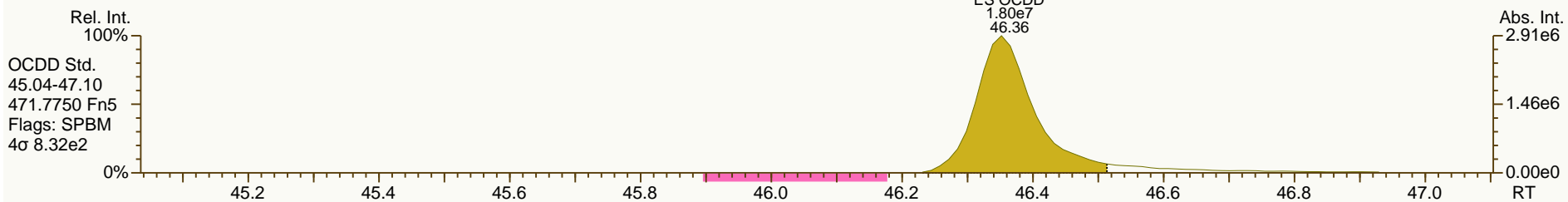
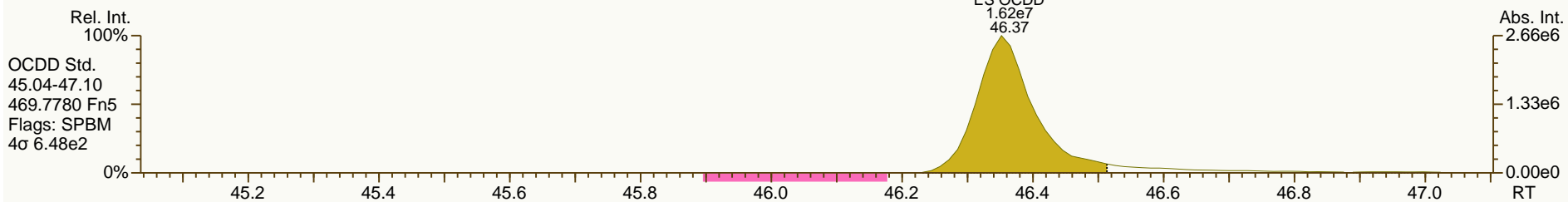
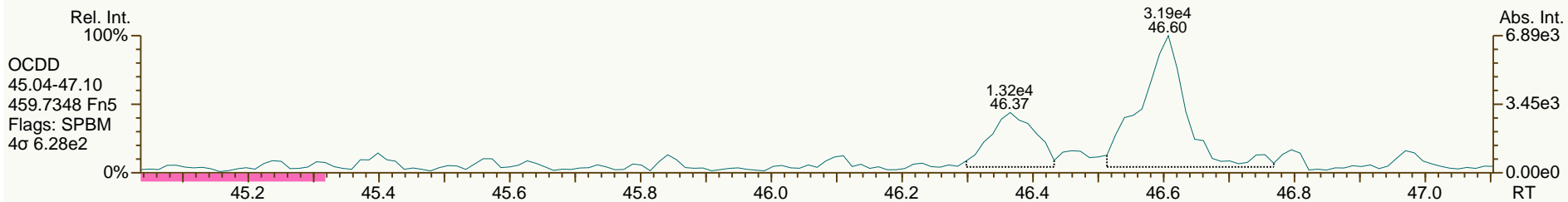
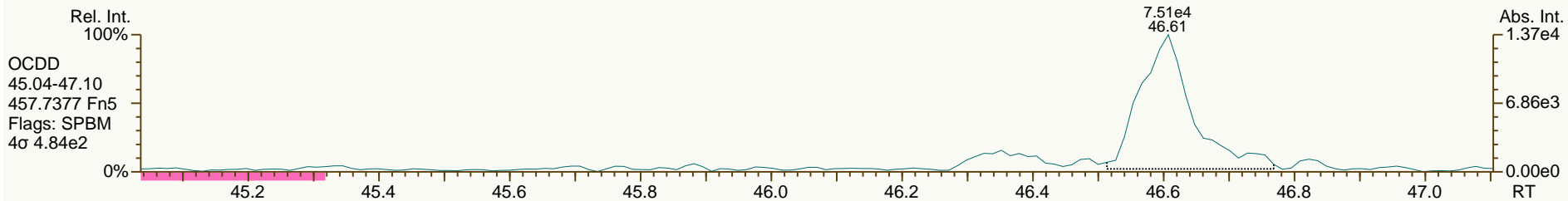


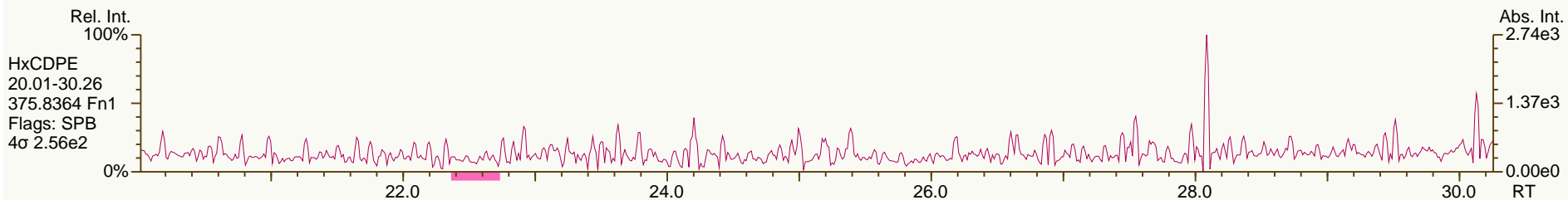
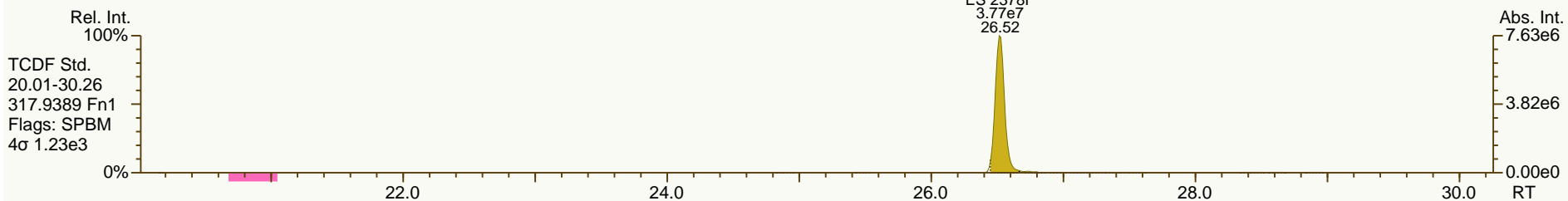
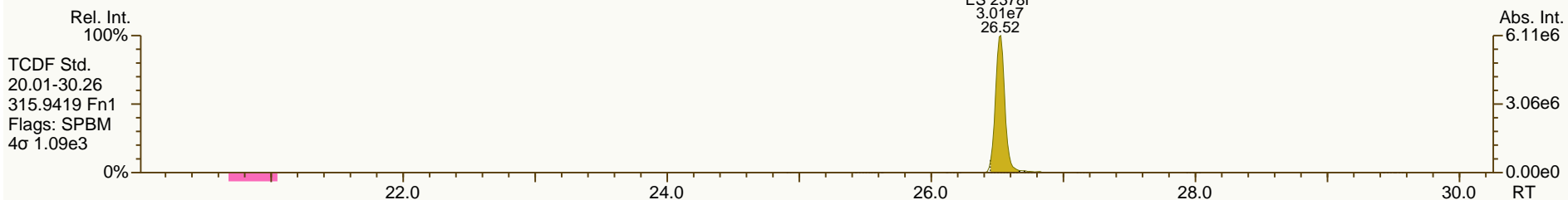
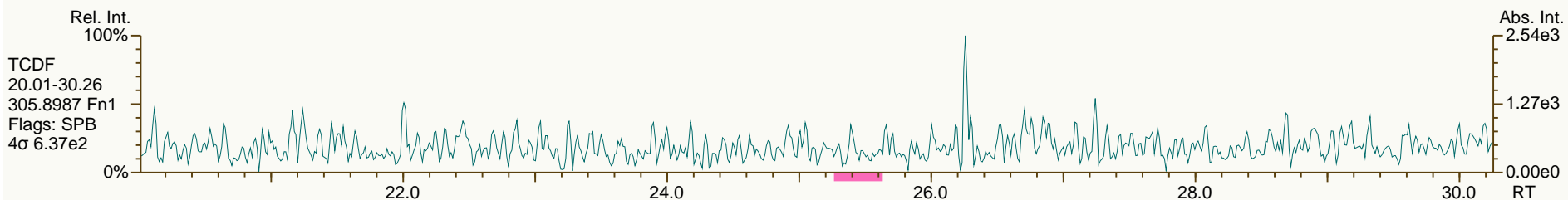
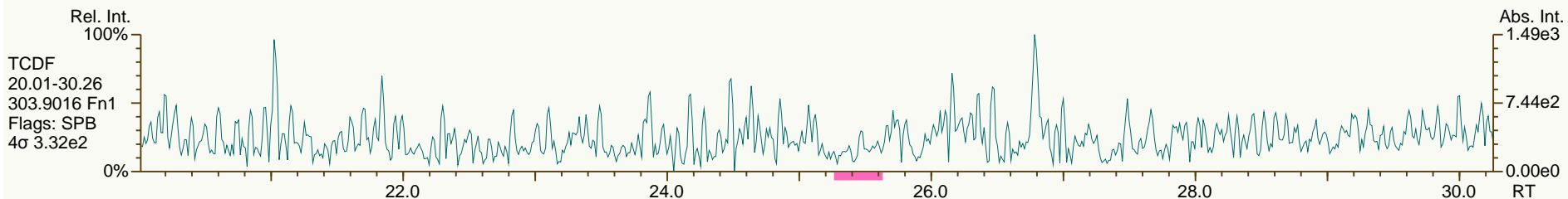


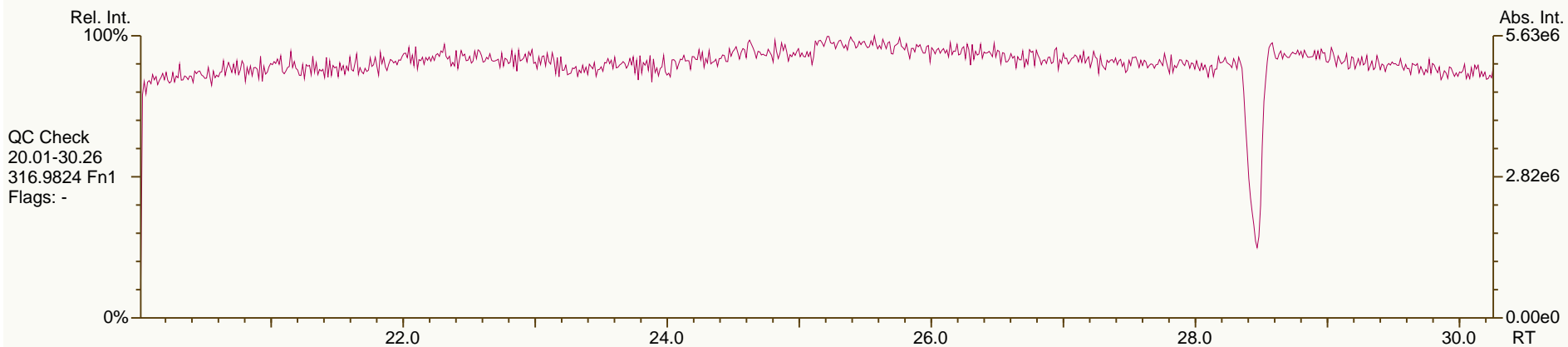
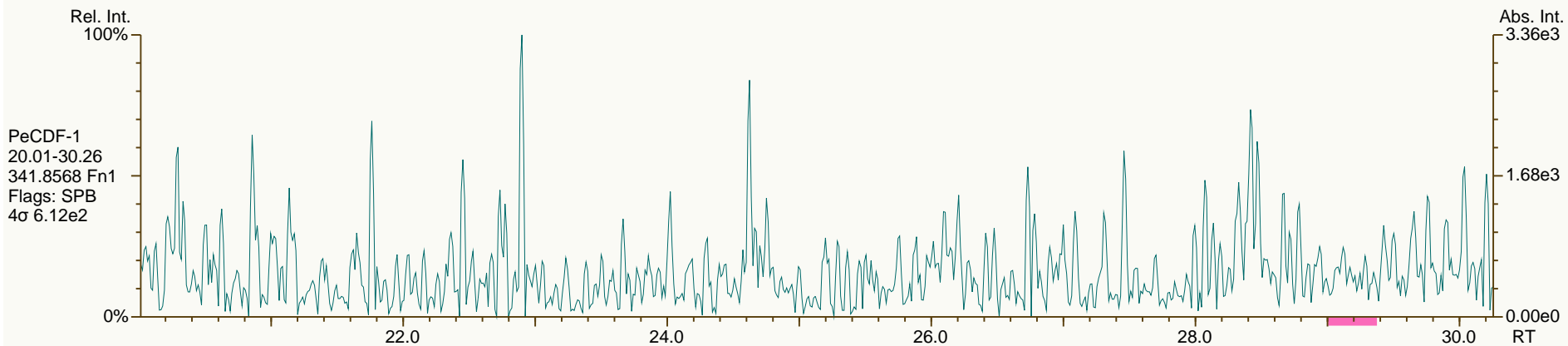
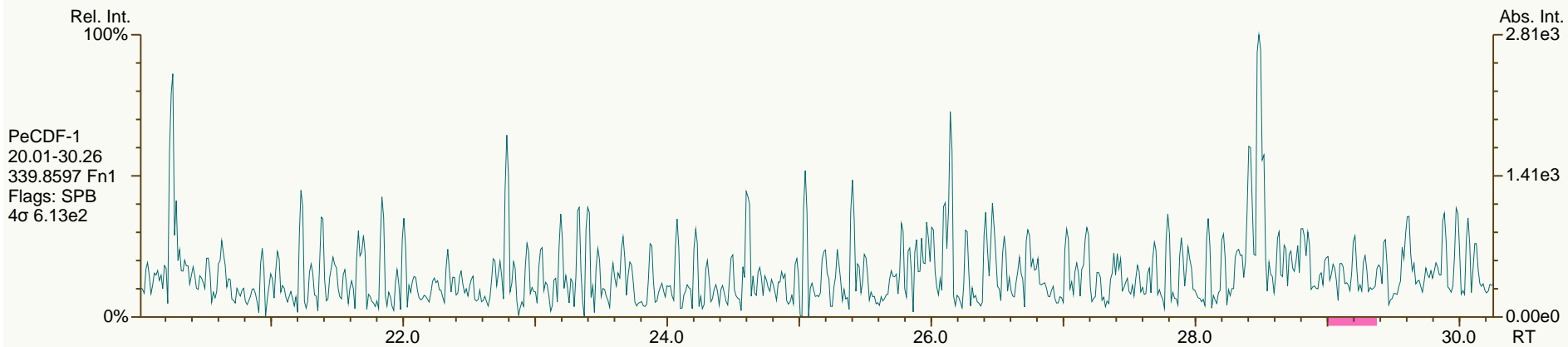


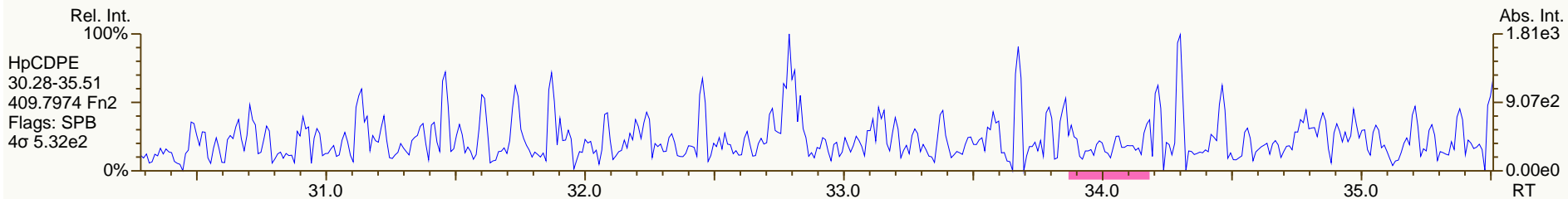
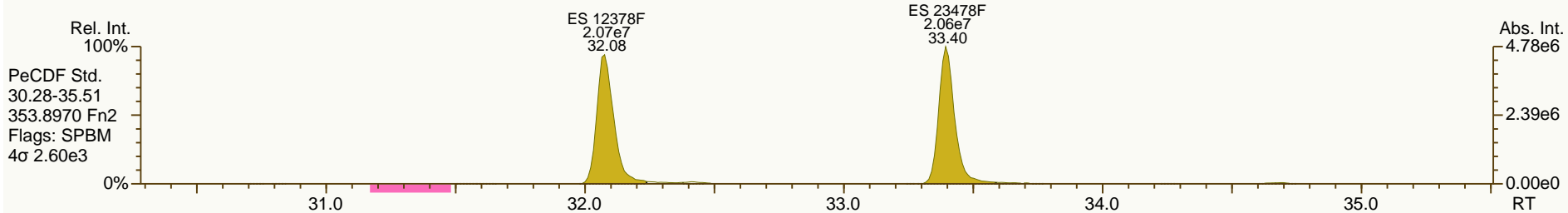
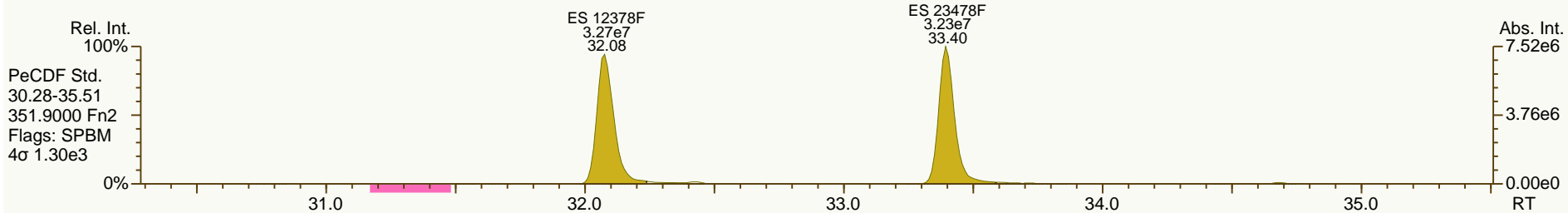
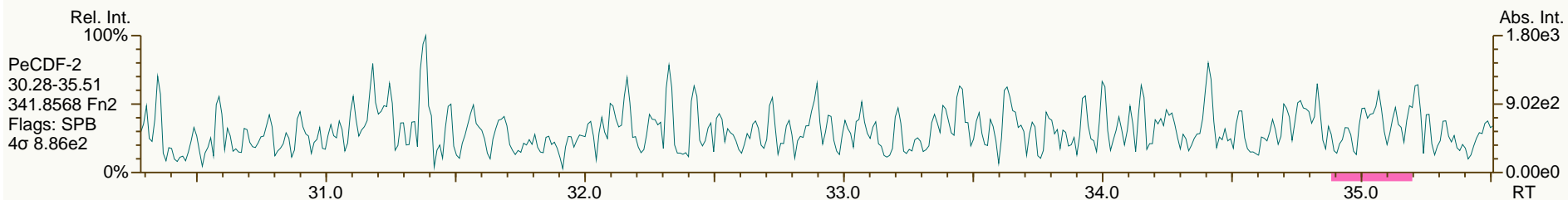
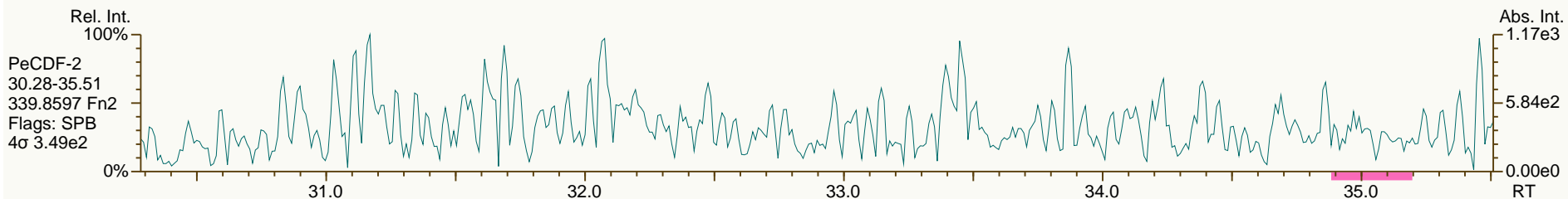


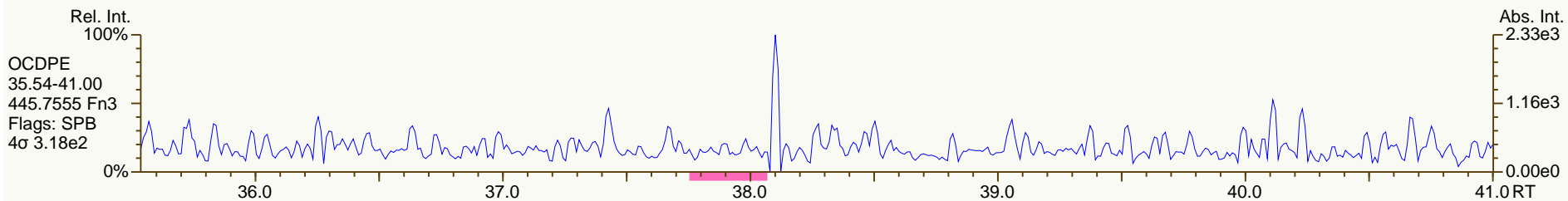
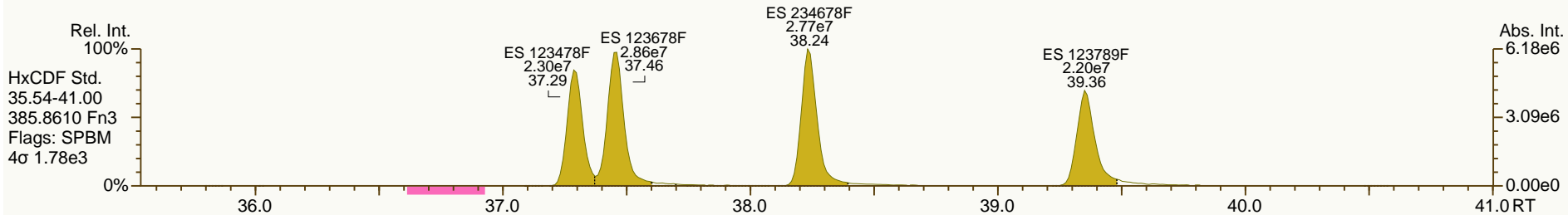
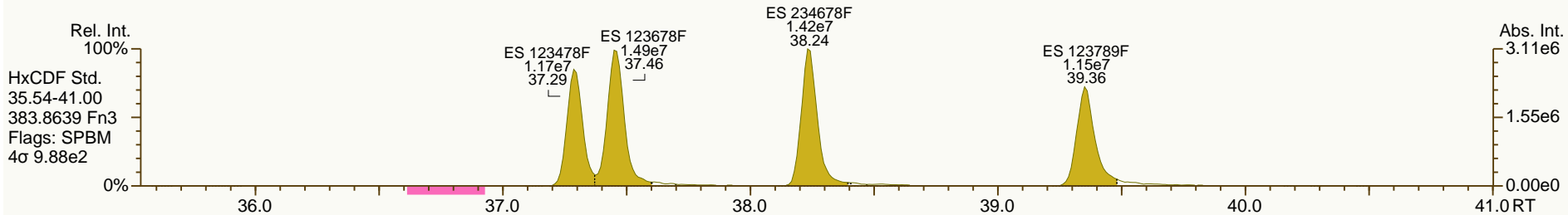
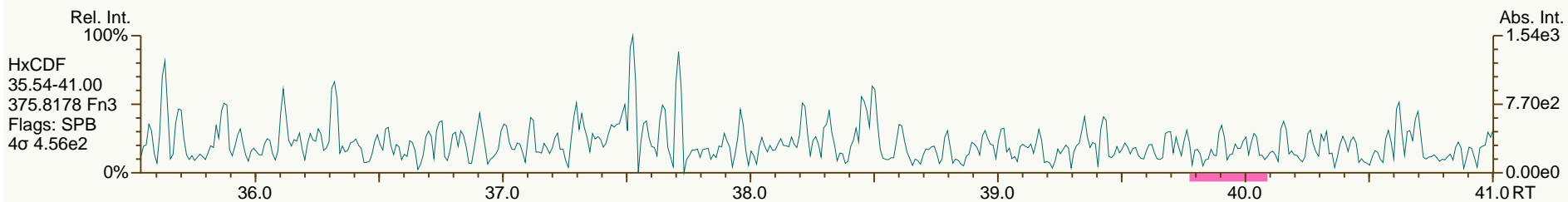
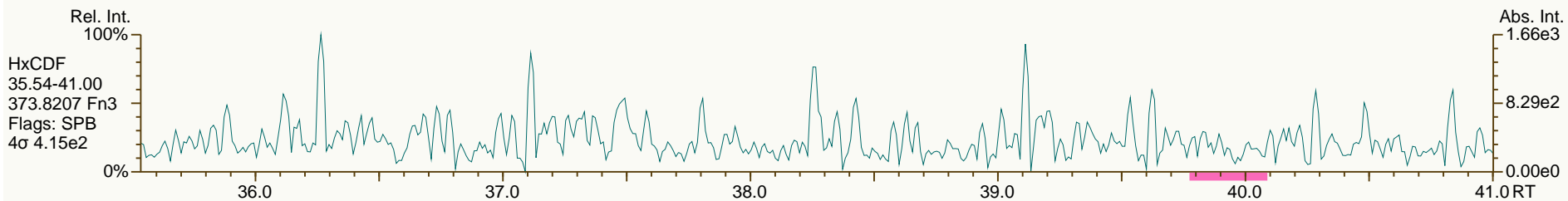


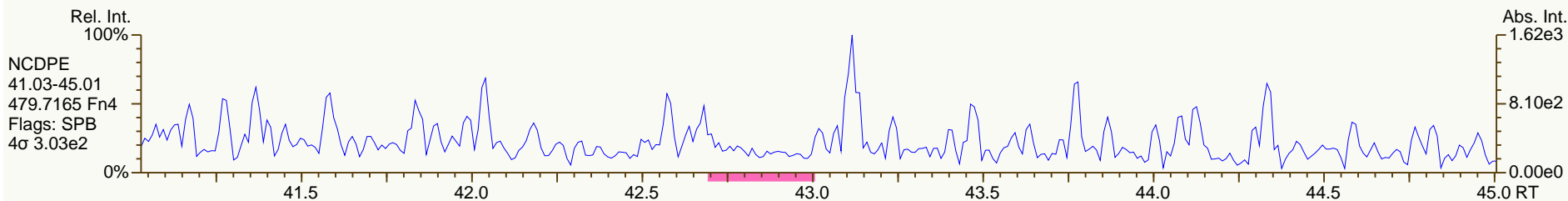
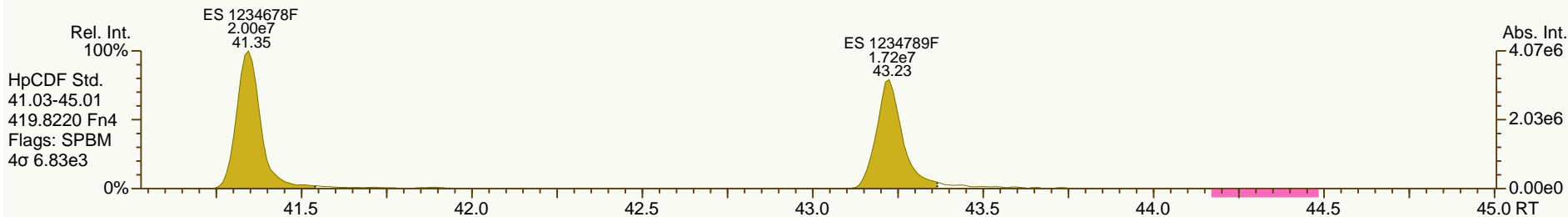
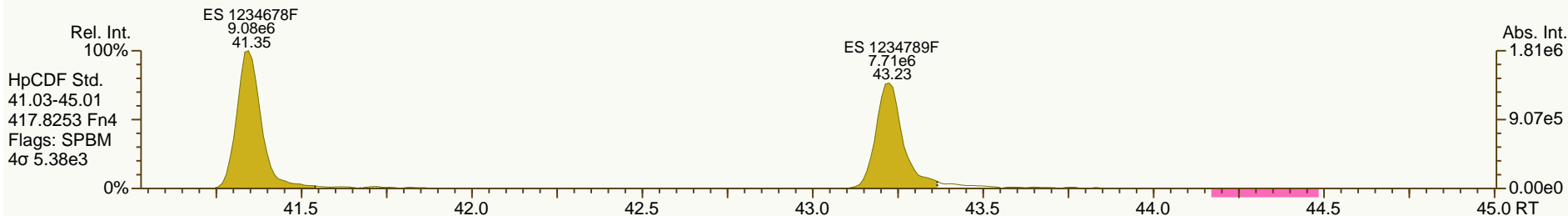
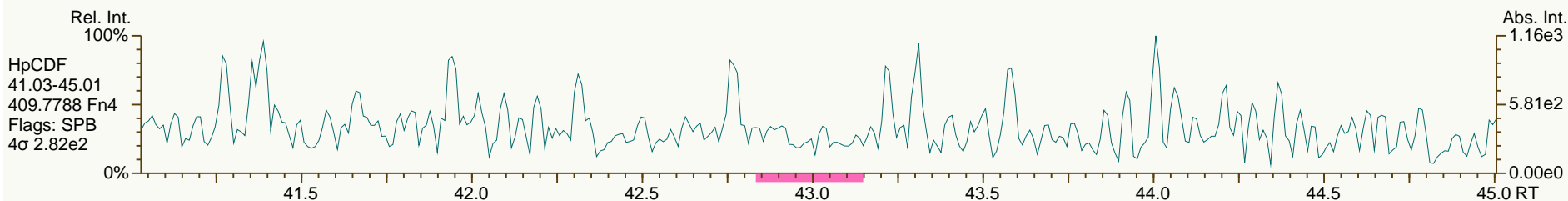
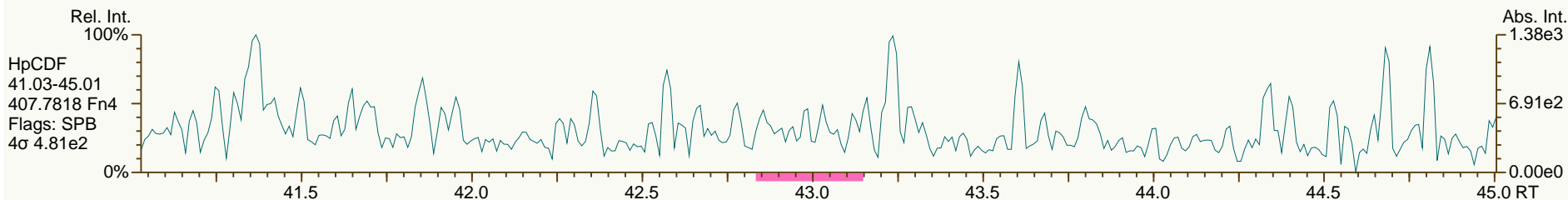


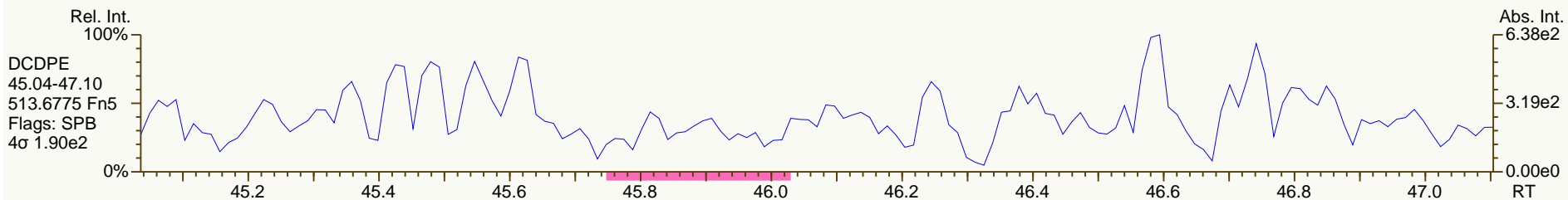
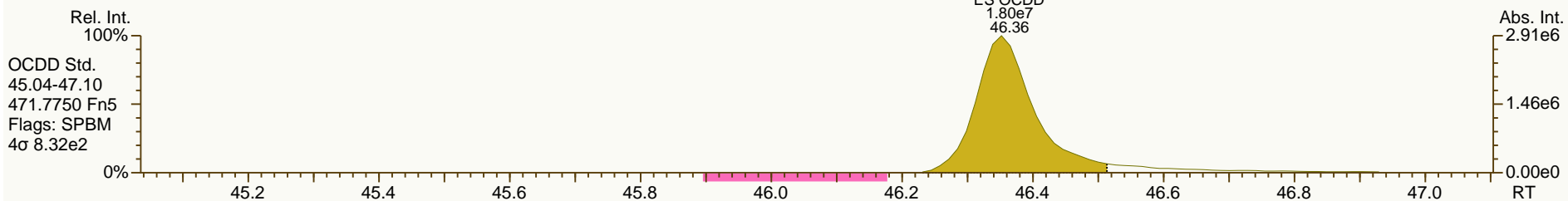
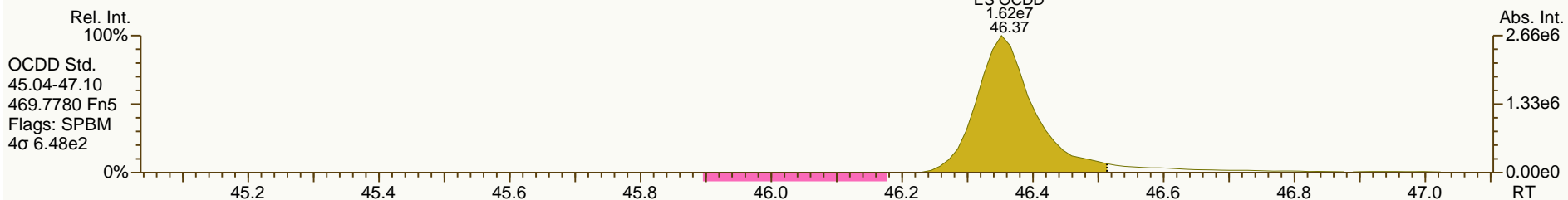
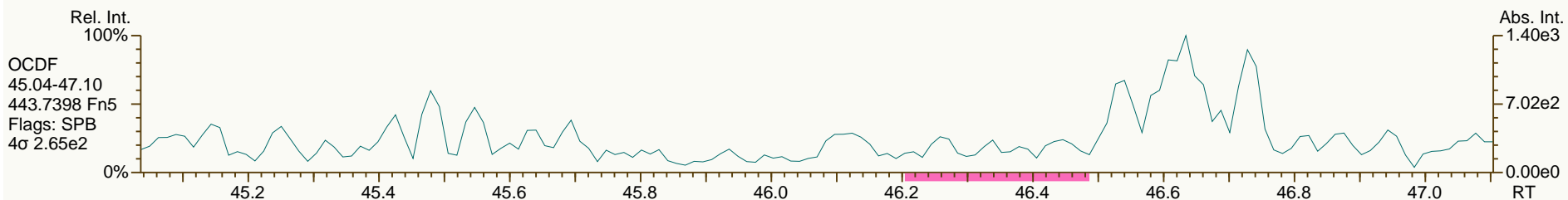
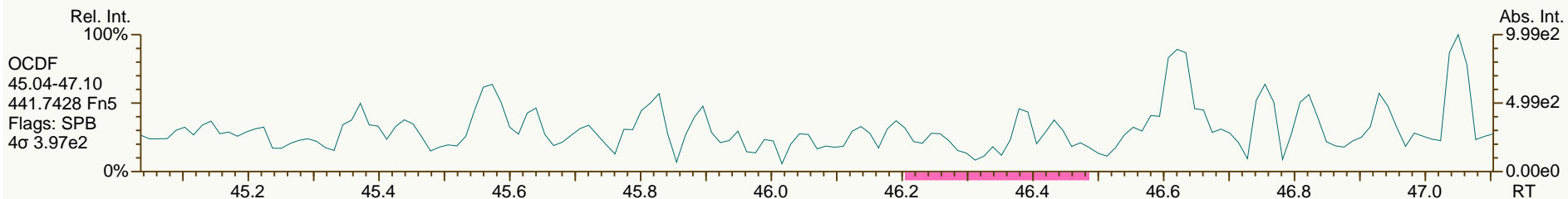












Blank Spike Summary

Blank Spike ID: OPR for HBN 30723 [HXX/1816]
 Blank Spike Lab ID: 95872
 Date Analyzed: 10/28/2012 09:45

Matrix: Soil-Solid as dry weight

QC for Samples: 31203251001, 31203251002, 31203251003, 31203251004, 31203251005, 31203251006,
 31203251007

Results by EPA 1613B

Parameter	Blank Spike (pg/g)			CL
	Spike	Result	Rec (%)	
2,3,7,8-TCDD	20.0	23.0	115	67.0-158
1,2,3,7,8-PeCDD	100	96.7	97	70.0-142
1,2,3,4,7,8-HxCDD	100	114	114	70.0-164
1,2,3,6,7,8-HxCDD	100	119	119	76.0-134
1,2,3,7,8,9-HxCDD	100	115	115	64.0-162
1,2,3,4,6,7,8-HpCDD	100	109	109	70.0-140
OCDD	200	226	113	78.0-144
2,3,7,8-TCDF	20.0	23.1	115	75.0-158
1,2,3,7,8-PeCDF	100	116	116	80.0-134
2,3,4,7,8-PeCDF	100	110	110	68.0-160
1,2,3,4,7,8-HxCDF	100	120	120	72.0-134
1,2,3,6,7,8-HxCDF	100	115	115	84.0-130
2,3,4,6,7,8-HxCDF	100	108	108	70.0-156
1,2,3,7,8,9-HxCDF	100	120	120	78.0-130
1,2,3,4,6,7,8-HpCDF	100	114	114	82.0-122
1,2,3,4,7,8,9-HpCDF	100	113	113	78.0-138
OCDF	200	240	120	63.0-170

Labeled Standards

13C-2378-TCDD	81	25.0-164
13C-12378-PeCDD	78	25.0-181
13C-123478-HxCDD	81	32.0-141
13C-123678-HxCDD	76	28.0-130
13C-1234678-HpCDD	74	23.0-140
13C-OCDD	63	17.0-157
13C-2378-TCDF	78	24.0-169
13C-12378-PeCDF	76	24.0-185
13C-23478-PeCDF	76	21.0-178
13C-123478-HxCDF	71	26.0-152
13C-123678-HxCDF	82	26.0-123
13C-234678-HxCDF	83	29.0-147
13C-123789-HxCDF	71	28.0-136
13C-1234678-HpCDF	65	28.0-143
13C-1234789-HpCDF	69	26.0-138
37Cl-2378-TCDD	107	35.0-197

Blank Spike Summary

Blank Spike ID: OPR for HBN 30723 [HXX/1816]
 Blank Spike Lab ID: 95872
 Date Analyzed: 10/28/2012 09:45

Matrix: Soil-Solid as dry weight

QC for Samples: 31203251001, 31203251002, 31203251003, 31203251004, 31203251005, 31203251006,
 31203251007

Results by EPA 1613B

Blank Spike (%)

<u>Parameter</u>	<u>Spike</u>	<u>Result</u>	<u>Rec (%)</u>	<u>CL</u>
------------------	--------------	---------------	----------------	-----------

Batch Information

Analytical Batch: **HRD1905**
 Analytical Method: **EPA 1613B**
 Instrument: **APHRMS**
 Analyst: **MDC**

Prep Batch: **HXX1816**
 Prep Method: **EPA 1613 PREP S/D/T**
 Prep Date/Time: **10/16/2012 15:46**
 Spike Init Wt./Vol.: **10 g** Extract Vol: **20 uL**

Lab ID: OPR1_10237_DF
 Client ID: 0_10237_OPR001
 Datafile: 121028P1-02



Acq'd: 28 Oct 2012 09:45 MDC
 UTP: 29-Oct-2012 13:40 MDC
 Report: 29 Oct 2012 13:41 MC

Wt/Vol: 10.00 g
 J-level: 0.5 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)
 ICAL: 1613_SGS
 Checkcode: 524-362-NLB

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.55		1.0009	1.0010	+0.2	3.34E+06	0.78	Y	1.08	23	969	0.0837
12378-PeCDD	33.85		1.0006	1.0006	0	1.12E+07	1.58	Y	1.07	96.7	990	0.0929
123478-HxCDD	38.49		1.0004	1.0004	0	1.12E+07	1.23	Y	1.05	114	998	0.108
123678-HxCDD	38.62		1.0039	1.0039	0	1.17E+07	1.27	Y	0.98	119	998	0.117
123789-HxCDD	38.97		1.0129	1.0130	+0.2	1.12E+07	1.23	Y	1.01	115	998	0.113
1234678-HpCDD	42.65		1.0005	1.0004	-0.3	8.70E+06	1.04	Y	1.09	109	1642	0.239
OCDD	46.40		1.0005	1.0004	-0.3	1.23E+07	0.90	Y	1.11	226	971	0.253
2378-TCDF	26.55		1.0009	1.0010	+0.2	4.87E+06	0.77	Y	0.98	23.1	928	0.0581
12378-PeCDF	32.11		1.0007	1.0006	-0.2	2.09E+07	1.50	Y	0.99	116	2250	0.141
23478-PeCDF	33.43		1.0006	1.0006	0	2.00E+07	1.51	Y	1.02	110	2250	0.136
123478-HxCDF	37.32		1.0006	1.0005	-0.2	1.60E+07	1.23	Y	1.19	120	999	0.0792
123678-HxCDF	37.49		1.0005	1.0005	0	1.89E+07	1.26	Y	1.16	115	999	0.0621
234678-HxCDF	38.27		1.0006	1.0005	-0.2	1.74E+07	1.24	Y	1.18	108	999	0.0669
123789-HxCDF	39.40		1.0005	1.0005	0	1.38E+07	1.25	Y	1.09	120	999	0.11
1234678-HpCDF	41.38		1.0004	1.0004	0	1.32E+07	1.03	Y	1.35	114	2760	0.252
1234789-HpCDF	43.26		1.0004	1.0003	-0.3	1.05E+07	1.04	Y	1.34	113	2760	0.334
OCDF	46.65		1.0057	1.0056	-0.3	1.66E+07	0.92	Y	1.40	240	813	0.168

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.52		1.0281	1.0280	-0.2	2.69E+07	0.80	Y	1.04	81.2
ES 12378-PeCDD	33.82		1.2639	1.2635	-0.6	2.15E+07	1.56	Y	0.87	78.1
ES 123478-HxCDD	38.47		0.9876	0.9876	0	1.87E+07	1.30	Y	0.94	80.6
ES 123678-HxCDD	38.61		0.9910	0.9910	0	2.00E+07	1.26	Y	1.06	76.3
ES 1234678-HpCDD	42.64		1.0943	1.0945	+0.5	1.46E+07	1.04	Y	0.80	74.1
ES OCDD	46.39		1.1907	1.1907	0	1.97E+07	0.91	Y	0.63	63.4
ES 2378-TCDF	26.52		0.9907	0.9908	+0.2	4.33E+07	0.81	Y	1.74	78.3
ES 12378-PeCDF	32.09		1.1992	1.1987	-0.8	3.63E+07	1.55	Y	1.49	76.5
ES 23478-PeCDF	33.41		1.2484	1.2480	-0.6	3.59E+07	1.56	Y	1.48	76.2
ES 123478-HxCDF	37.30		0.9577	0.9575	-0.5	2.25E+07	0.52	Y	1.27	71.4
ES 123678-HxCDF	37.47		0.9619	0.9618	-0.2	2.85E+07	0.53	Y	1.41	81.7
ES 234678-HxCDF	38.26		0.9821	0.9820	-0.2	2.75E+07	0.52	Y	1.34	82.7
ES 123789-HxCDF	39.38		1.0108	1.0109	+0.2	2.12E+07	0.53	Y	1.20	71.3
ES 1234678-HpCDF	41.37		1.0618	1.0618	0	1.71E+07	0.46	Y	1.06	65.3
ES 1234789-HpCDF	43.25		1.1100	1.1101	+0.2	1.39E+07	0.44	Y	0.82	68.7

Lab ID: OPR1_10237_DF
 Client ID: 0_10237_OPR001
 Datafile: 121028P1-02

Acq'd: 28 Oct 2012 09:45 MDC
 UTP: 29-Oct-2012 13:40 MDC
 Report: 29 Oct 2012 13:41 MC

Wt/Vol: 10.00 g
 J-level: 0.5 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)
 ICAL: 1613_SGS
 Checkcode: 524-362-NLB

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.77		-	-	-	3.18E+07	0.80	Y	-	-
JS 123789-HxCDD	38.96		-	-	-	2.47E+07	1.27	Y	-	-
CS 37C1-2378-TCDD	27.55		1.0291	1.0290	-0.2	7.96E+06	n/a	-	1.17	107
SS 37C1-2378-TCDD	27.55	NA	1.0291	1.0290	-0.2	7.96E+06	n/a	-	1.12	132

Totals	Conc	EMPC	EDL
Total TCDD	23	23	0.0837
Total PeCDD	96.8	96.8	0.0929
Total HxCDD	348	348	0.113
Total HpCDD	111	111	0.239
Total Tetra-Octa Dioxins	805	805	
Total TCDF	23.1	23.2	0.0581
Total PeCDF	227	227	0.138
Total HxCDF	463	463	0.0772
Total HpCDF	229	229	0.289
Total Tetra-Octa Furans	1180	1180	
Total Tetra-Octa Dioxins & Furans	1990	1990	

Lab ID: OPR1_10237_DF
 Client ID: 0_10237_OPR001
 Datafile: 121028P1-02

Acq'd: 28 Oct 2012 09:45 MDC
 UTP: 29-Oct-2012 13:40 MDC
 Report: 29 Oct 2012 13:41 MC

Wt/Vol: 10.00 g
 J-level: 0.5 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)
 ICAL: 1613_SGS
 Checkcode: 524-362-NLB

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
TCDD	NotFnd		0.8504						1.08		969	0.0837
TCDD	NotFnd		0.8649						1.08		969	0.0837
TCDD	NotFnd		0.8835						1.08		969	0.0837
TCDD	NotFnd		0.9152						1.08		969	0.0837
TCDD	NotFnd		0.9241						1.08		969	0.0837
TCDD	NotFnd		0.9327						1.08		969	0.0837
TCDD	NotFnd		0.9408						1.08		969	0.0837
TCDD	NotFnd		0.9512						1.08		969	0.0837
TCDD	NotFnd		0.9580						1.08		969	0.0837
TCDD	NotFnd		0.9736						1.08		969	0.0837
TCDD	NotFnd		0.9785						1.08		969	0.0837
TCDD	NotFnd		0.9884						1.08		969	0.0837
TCDD	NotFnd		0.9945						1.08		969	0.0837
2378-TCDD	27.55		1.0009	1.0010	+0.2	3.34E+06	0.78	Y	1.08	23	969	0.0837
TCDD	NotFnd		1.0147						1.08		969	0.0837
TCDD	NotFnd		1.0206						1.08		969	0.0837
TCDD	NotFnd		1.0423						1.08		969	0.0837
PcCDD	NotFnd		0.9131						1.07		990	0.0929
PcCDD	NotFnd		0.9319						1.07		990	0.0929
PcCDD	NotFnd		0.9511						1.07		990	0.0929
PcCDD	32.40		0.9576	0.9577	+0.2	1.85E+04	1.60	Y	1.07	0.161	990	0.0929
PcCDD	NotFnd		0.9611						1.07		990	0.0929
PcCDD	NotFnd		0.9703						1.07		990	0.0929
PcCDD	NotFnd		0.9829						1.07		990	0.0929
12378-PcCDD	33.85		1.0006	1.0006	0	1.12E+07	1.58	Y	1.07	96.7	990	0.0929
PcCDD	NotFnd		1.0039						1.07		990	0.0929
PcCDD	NotFnd		1.0161						1.07		990	0.0929
HxCDD	NotFnd		0.9479						1.01		998	0.113
HxCDD	NotFnd		0.9682						1.01		998	0.113
HxCDD	NotFnd		0.9771						1.01		998	0.113
HxCDD	NotFnd		0.9811						1.01		998	0.113
123478-HxCDD	38.49		1.0004	1.0004	0	1.12E+07	1.23	Y	1.05	114	998	0.108
123678-HxCDD	38.62		1.0039	1.0039	0	1.17E+07	1.27	Y	0.98	119	998	0.117
HxCDD	NotFnd		1.0097						1.01		998	0.113
123789-HxCDD	38.97		1.0129	1.0130	+0.2	1.12E+07	1.23	Y	1.01	115	998	0.113

Lab ID: OPR1_10237_DF

Acq'd: 28 Oct 2012 09:45 MDC

Wt/Vol: 10.00 g

ICAL: 1613_SGS

Client ID: 0_10237_OPR001

UTP: 29-Oct-2012 13:40 MDC

J-level: 0.5 pg/g Split: 1

Checkcode: 524-362-NLB

Datafile: 121028P1-02

Report: 29 Oct 2012 13:41 MC

Std (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
HpCDD	41.75		0.9793	0.9791	-0.5	1.17E+05	1.07	Y	1.09	1.47	1642	0.239
1234678-HpCDD	42.65		1.0005	1.0004	-0.3	8.70E+06	1.04	Y	1.09	109	1642	0.239
OCDD	46.40		1.0005	1.0004	-0.3	1.23E+07	0.90	Y	1.11	226	971	0.253
OCDD-a	46.39		1.0001	1.0000	-0.3	7.04E+05	2.47	Y	1.00	14.3	589	0.17
TCDF	NotFnd		0.7983						0.98		928	0.0581
TCDF	NotFnd		0.8218						0.98		928	0.0581
TCDF	NotFnd		0.8463						0.98		928	0.0581
TCDF	NotFnd		0.8625						0.98		928	0.0581
TCDF	NotFnd		0.8677						0.98		928	0.0581
TCDF	NotFnd		0.8787						0.98		928	0.0581
TCDF	NotFnd		0.8840						0.98		928	0.0581
TCDF	NotFnd		0.8998						0.98		928	0.0581
TCDF	NotFnd		0.9054						0.98		928	0.0581
TCDF	NotFnd		0.9125						0.98		928	0.0581
TCDF	NotFnd		0.9279						0.98		928	0.0581
TCDF	NotFnd		0.9334						0.98		928	0.0581
TCDF	NotFnd		0.9381						0.98		928	0.0581
TCDF	NotFnd		0.9439						0.98		928	0.0581
TCDF	25.52		0.9630	0.9621	-1.4	2.46E+04	0.64	N	0.98	0.117	928	0.0581
TCDF	NotFnd		0.9674						0.98		928	0.0581
TCDF	NotFnd		0.9746						0.98		928	0.0581
TCDF	NotFnd		0.9829						0.98		928	0.0581
TCDF	NotFnd		0.9916						0.98		928	0.0581
TCDF	NotFnd		0.9963						0.98		928	0.0581
2378-TCDF	26.55		1.0009	1.0010	+0.2	4.87E+06	0.77	Y	0.98	23.1	928	0.0581
TCDF	NotFnd		1.0166						0.98		928	0.0581
TCDF	NotFnd		1.0274						0.98		928	0.0581
TCDF	NotFnd		1.0390						0.98		928	0.0581
TCDF	NotFnd		1.0886						0.98		928	0.0581
PeCDF	NotFnd		0.8975						1.00		804	0.0494
PeCDF	NotFnd		0.9542						1.00		2250	0.138
PeCDF	NotFnd		0.9587						1.00		2250	0.138
PeCDF	NotFnd		0.9636						1.00		2250	0.138
PeCDF	NotFnd		0.9671						1.00		2250	0.138
PeCDF	NotFnd		0.9760						1.00		2250	0.138
PeCDF	NotFnd		0.9810						1.00		2250	0.138

Lab ID: OPR1_10237_DF

Acq'd: 28 Oct 2012 09:45 MDC

Wt/Vol: 10.00 g

ICAL: 1613_SGS

Client ID: 0_10237_OPR001

UTP: 29-Oct-2012 13:40 MDC

J-level: 0.5 pg/g Split: 1

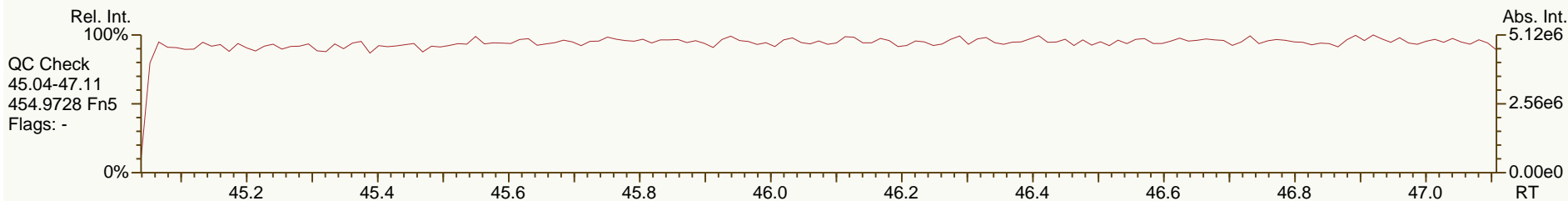
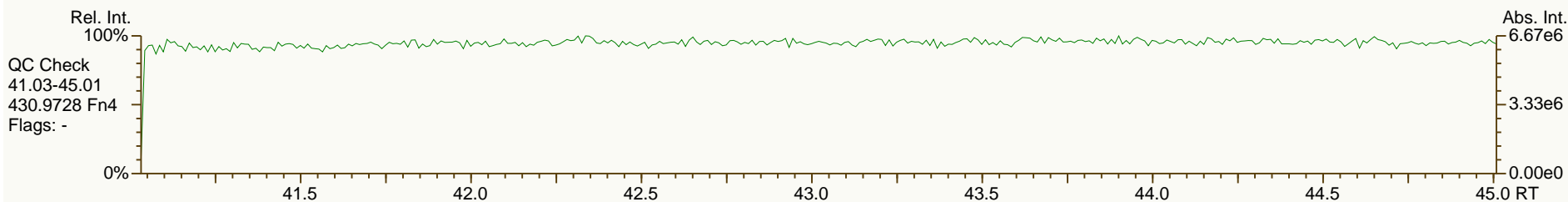
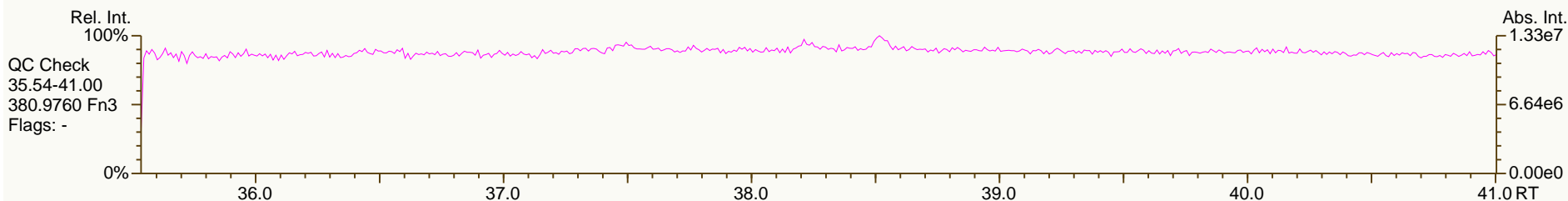
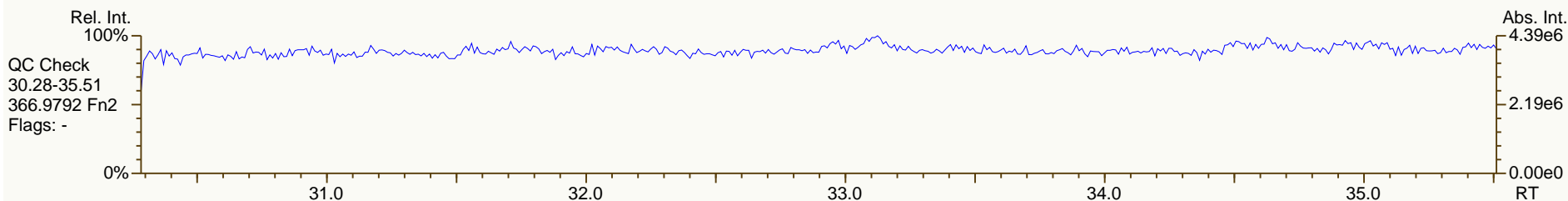
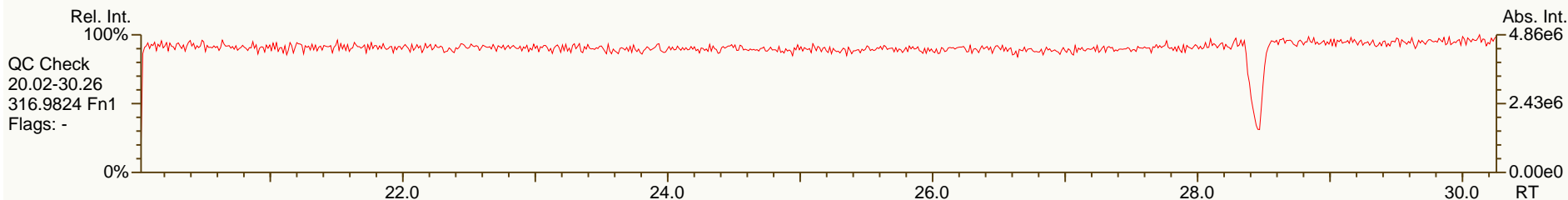
Checkcode: 524-362-NLB

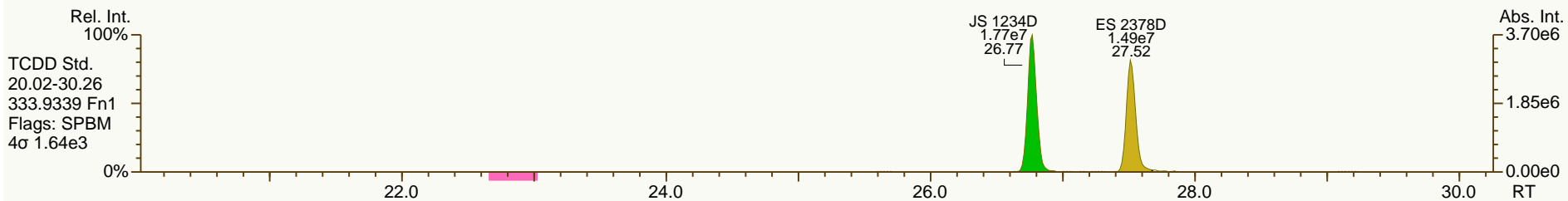
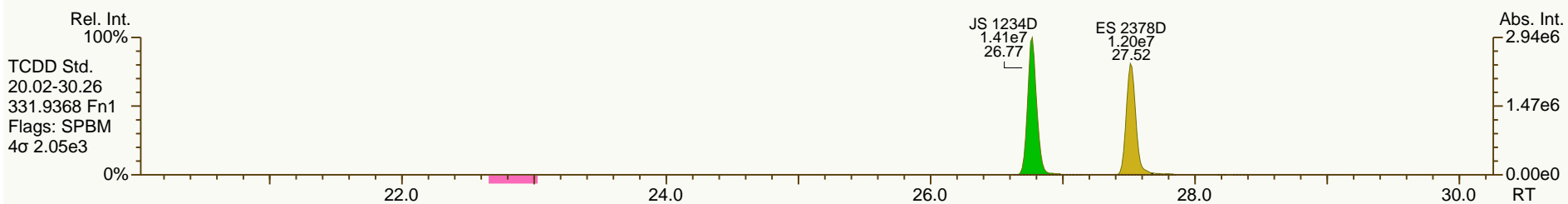
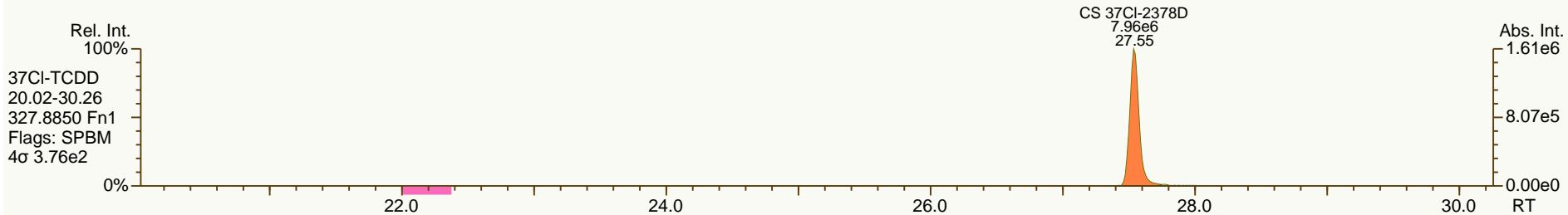
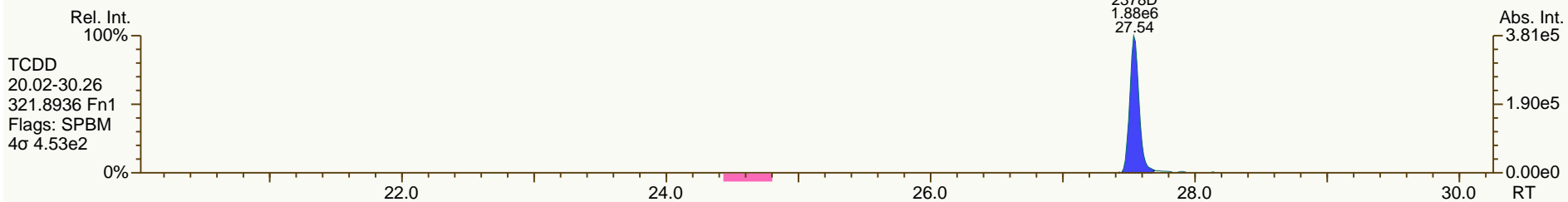
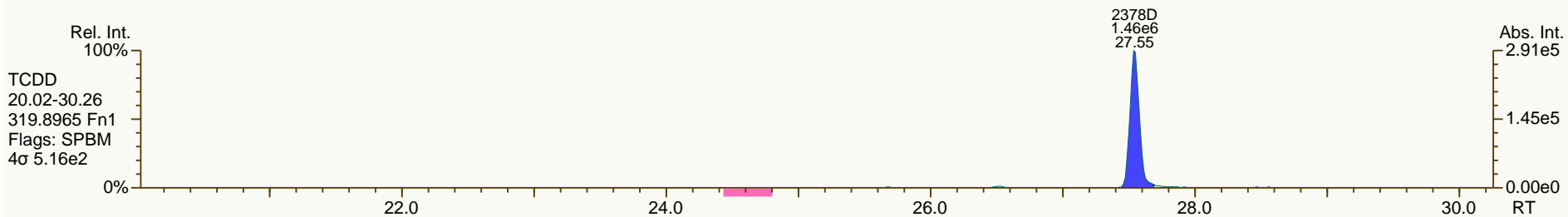
Datafile: 121028P1-02

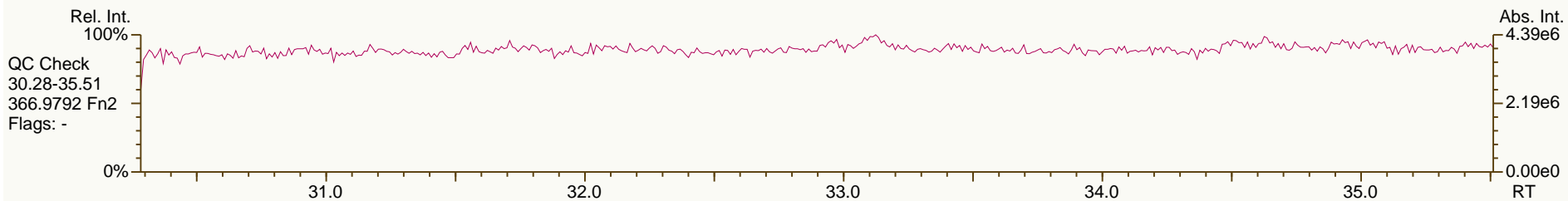
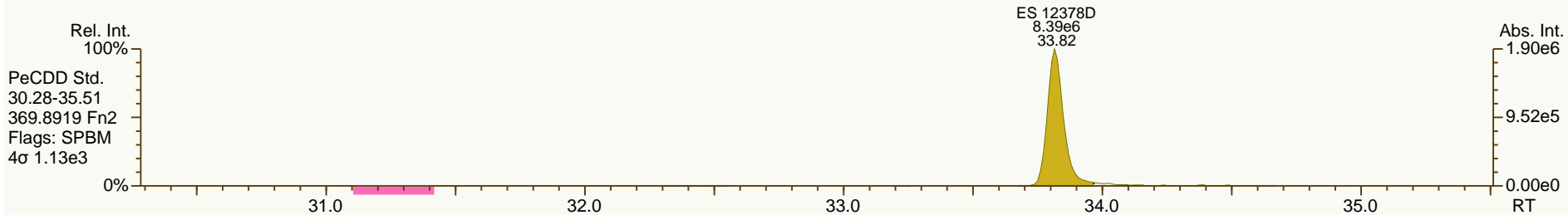
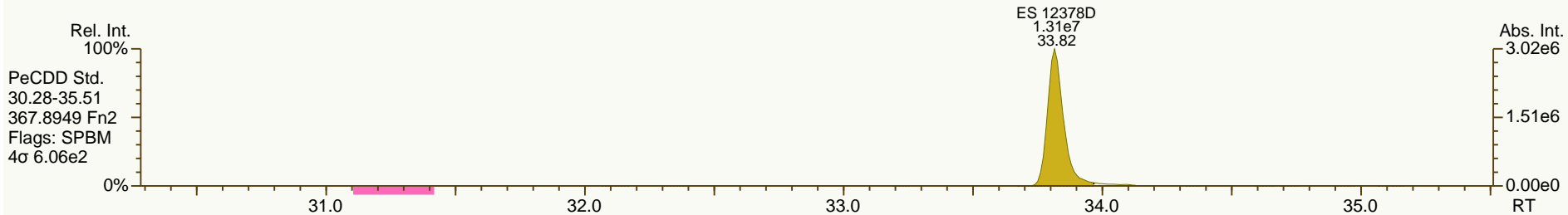
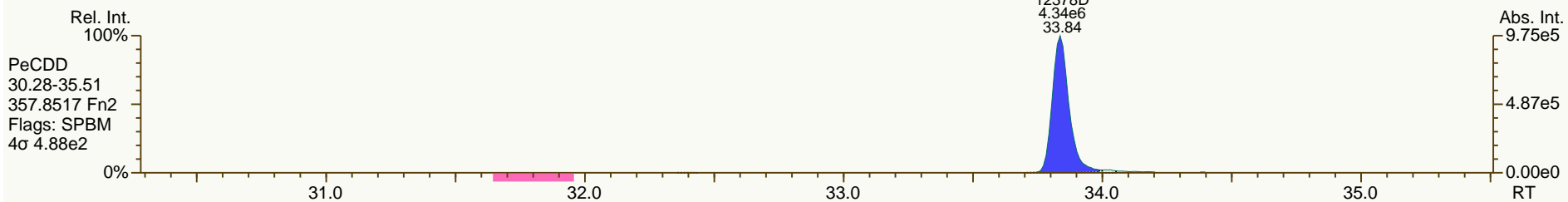
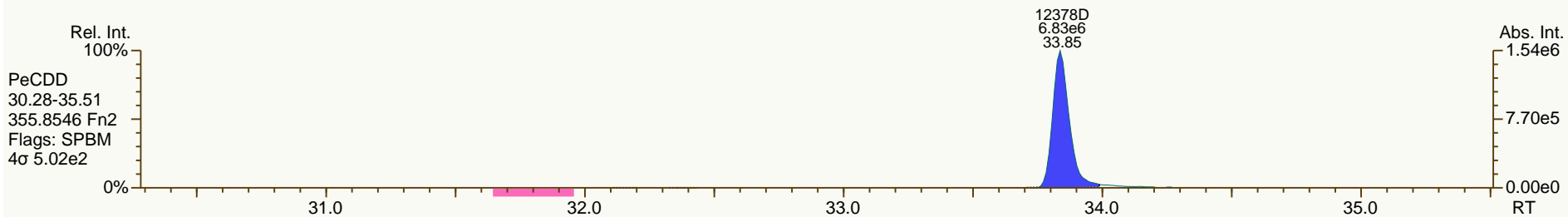
Report: 29 Oct 2012 13:41 MC

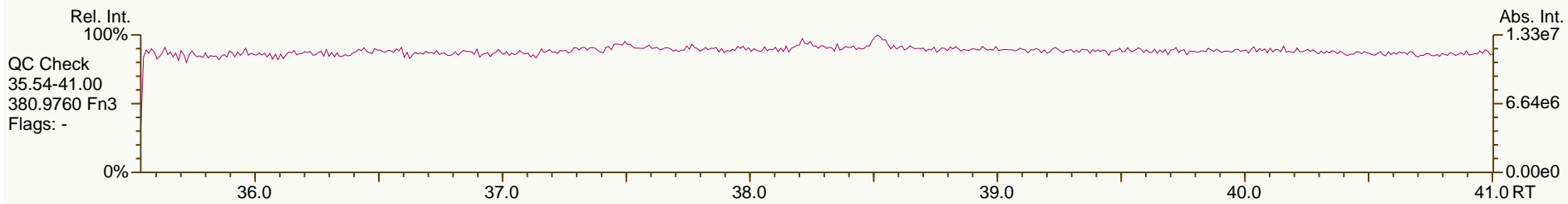
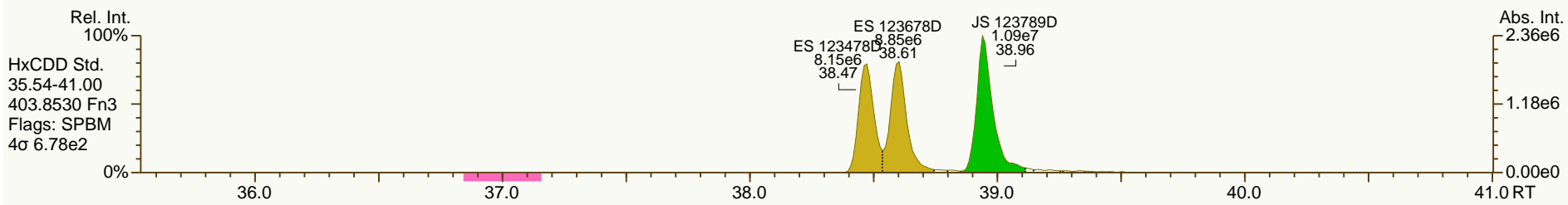
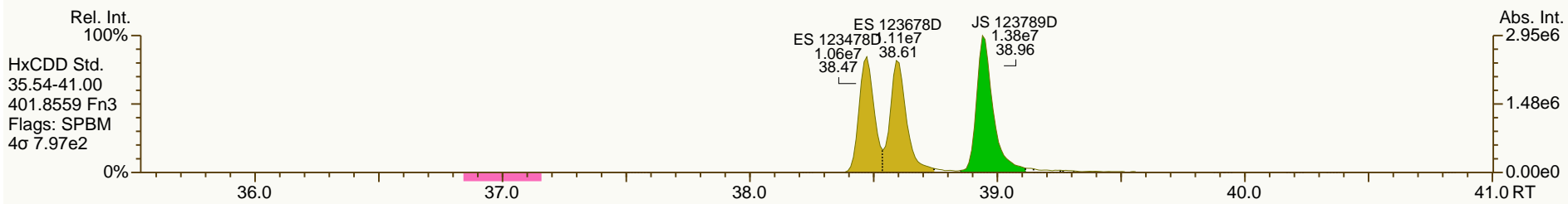
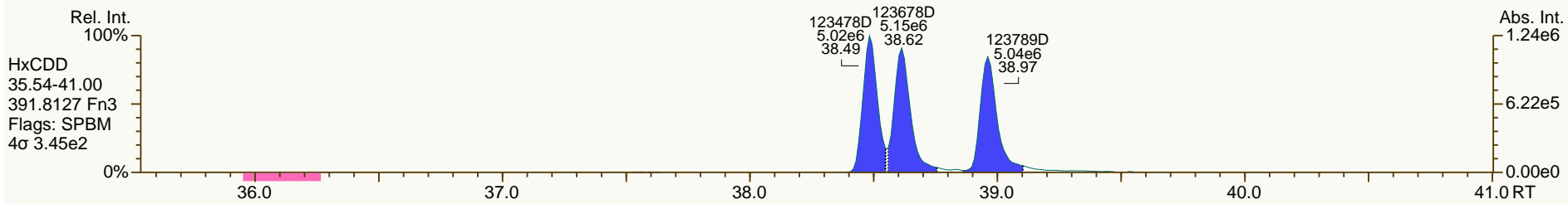
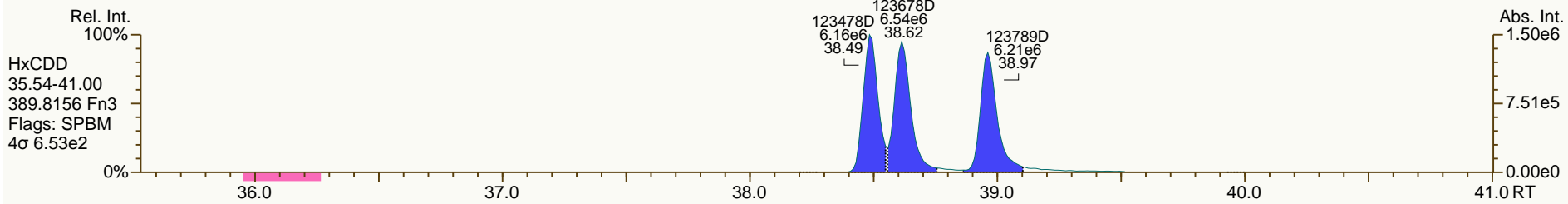
Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 400 (37CI)

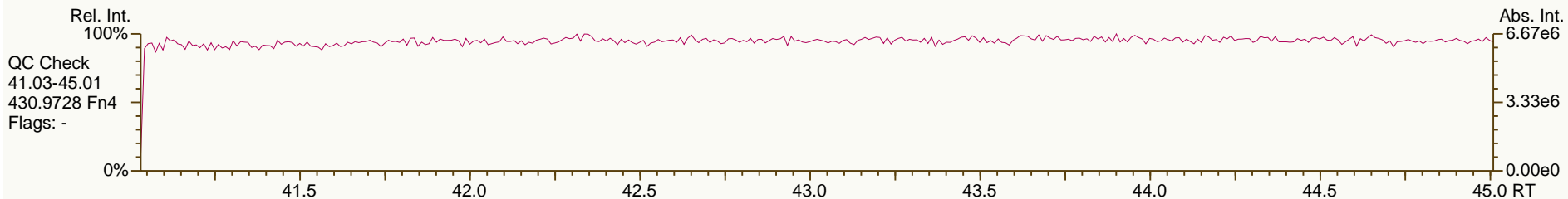
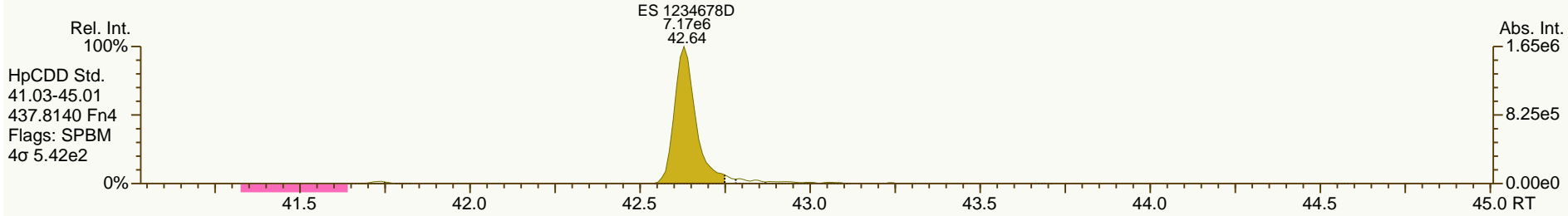
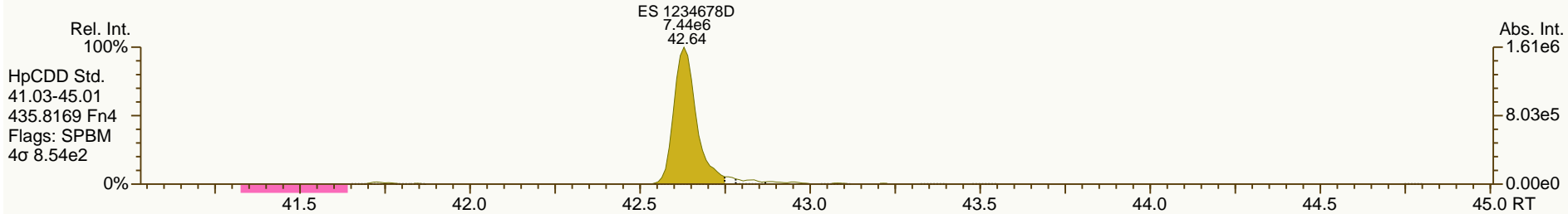
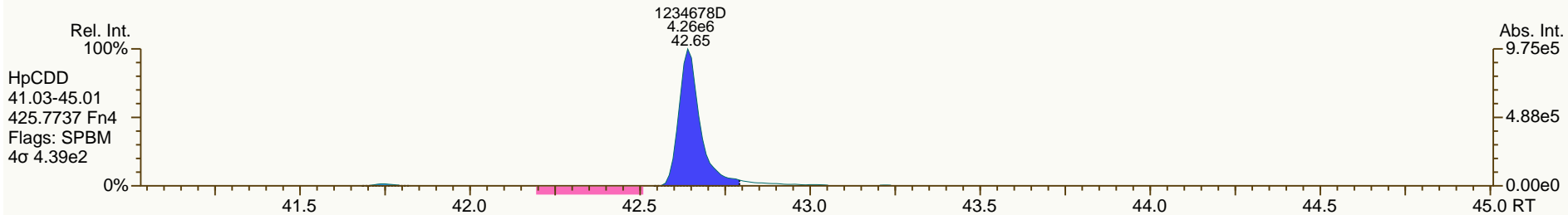
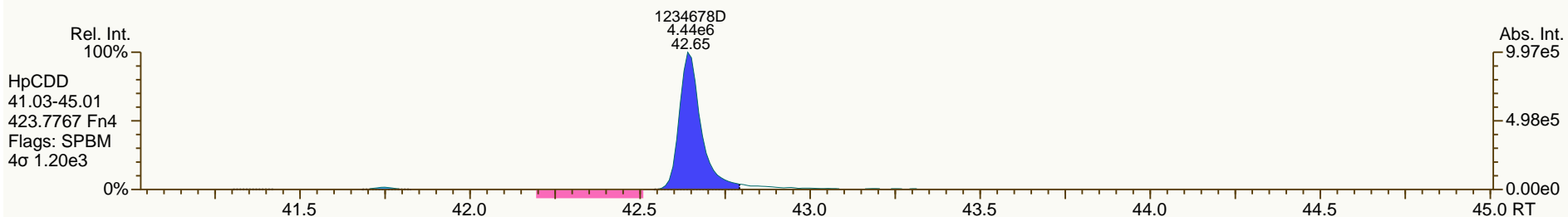
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
PeCDF	31.57		0.9847	0.9839	-1.5	6.07E+04	1.54	Y	1.00	0.336	2250	0.138
PeCDF	NotFnd		0.9870						1.00		2250	0.138
PeCDF	31.86		0.9930	0.9927	-0.6	5.51E+04	1.31	N	1.00	0.304	2250	0.138
12378-PeCDF	32.11		1.0007	1.0006	-0.2	2.09E+07	1.50	Y	0.99	116	2250	0.141
PeCDF	NotFnd		1.0113						1.00		2250	0.138
PeCDF	NotFnd		1.0169						1.00		2250	0.138
PeCDF	NotFnd		0.9917						1.00		2250	0.138
PeCDF	33.26		0.9962	0.9956	-1.2	9.14E+04	1.61	Y	1.00	0.505	2250	0.138
23478-PeCDF	33.43		1.0006	1.0006	0	2.00E+07	1.51	Y	1.02	110	2250	0.136
PeCDF	NotFnd		0.0000						1.02		0	0
PeCDF	NotFnd		1.0023						1.00		2250	0.138
PeCDF	NotFnd		1.0120						1.00		2250	0.138
PeCDF	NotFnd		1.0389						1.00		2250	0.138
HxCDF	35.67		0.9565	0.9563	-0.4	4.47E+04	1.14	Y	1.15	0.312	999	0.0772
HxCDF	35.91		0.9627	0.9627	0	6.12E+04	1.30	Y	1.15	0.427	999	0.0772
HxCDF	NotFnd		0.9700						1.15		999	0.0772
HxCDF	NotFnd		0.9762						1.15		999	0.0772
HxCDF	NotFnd		0.9833						1.15		999	0.0772
HxCDF	37.18		0.9968	0.9966	-0.4	2.77E+04	1.43	N	1.15	0.193	999	0.0772
123478-HxCDF	37.32		1.0006	1.0005	-0.2	1.60E+07	1.23	Y	1.19	120	999	0.0792
123678-HxCDF	37.49		1.0005	1.0005	0	1.89E+07	1.26	Y	1.16	115	999	0.0621
HxCDF	NotFnd		1.0055						1.15		999	0.0772
HxCDF	NotFnd		1.0102						1.15		999	0.0772
HxCDF	NotFnd		0.9933						1.15		999	0.0772
234678-HxCDF	38.27		1.0006	1.0005	-0.2	1.74E+07	1.24	Y	1.18	108	999	0.0669
HxCDF	NotFnd		0.0000						1.18		0	0
HxCDF	NotFnd		1.0009						1.15		999	0.0772
123789-HxCDF	39.40		1.0005	1.0005	0	1.38E+07	1.25	Y	1.09	120	999	0.11
HxCDF	NotFnd		0.0000						1.09		0	0
123489-HxCDF	NotFnd		1.0013						1.15		999	0.0772
1234678-HpCDF	41.38		1.0004	1.0004	0	1.32E+07	1.03	Y	1.35	114	2760	0.252
HpCDF	41.75		1.0091	1.0093	+0.5	7.64E+04	1.10	Y	1.34	0.734	2760	0.289
HpCDF	41.92		1.0140	1.0135	-1.2	1.17E+05	1.10	Y	1.34	1.13	2760	0.289
1234789-HpCDF	43.26		1.0004	1.0003	-0.3	1.05E+07	1.04	Y	1.34	113	2760	0.334
OCDF	46.65		1.0057	1.0056	-0.3	1.66E+07	0.92	Y	1.40	240	813	0.168
OCDF-a	46.64		1.0053	1.0054	+0.3	8.49E+05	1.90	N	1.00	17.2	747	0.215

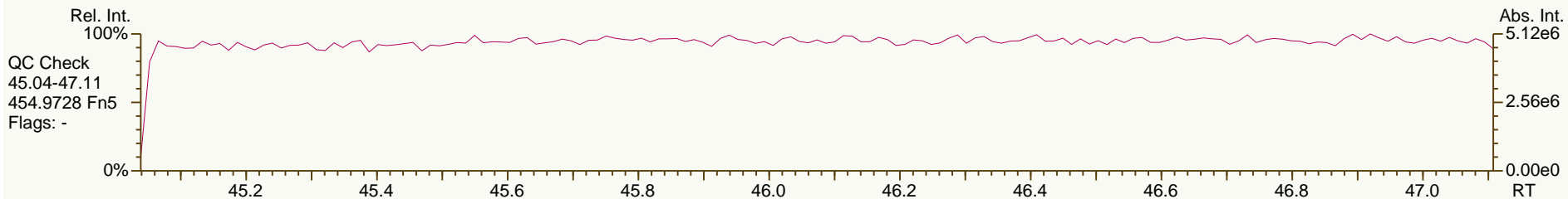
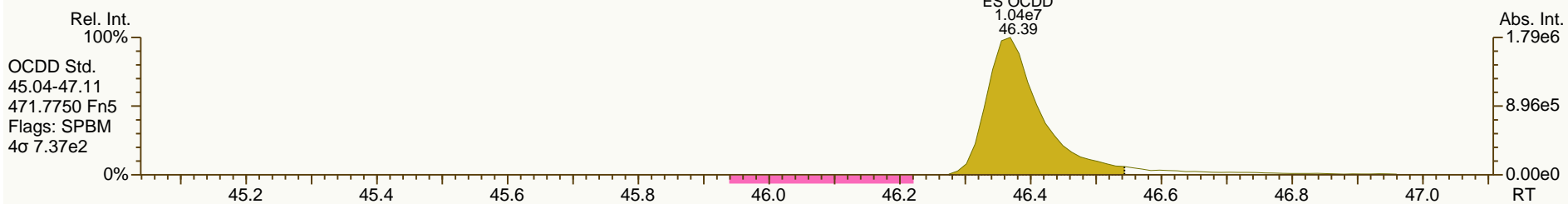
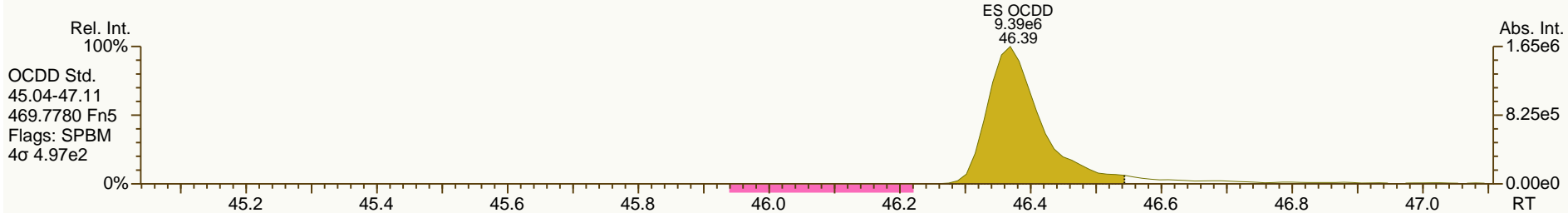
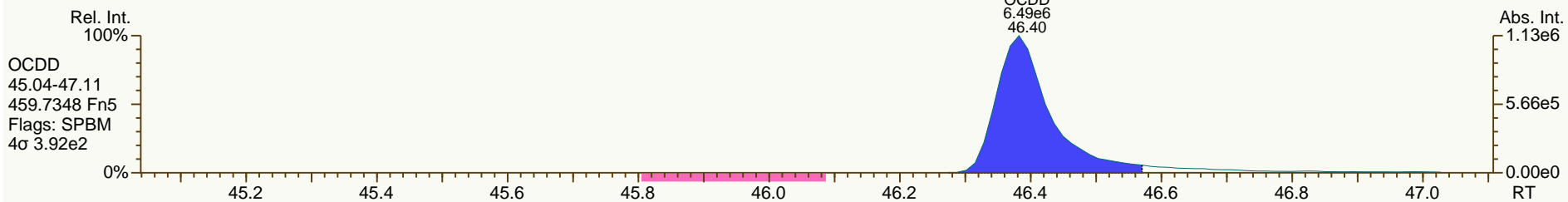
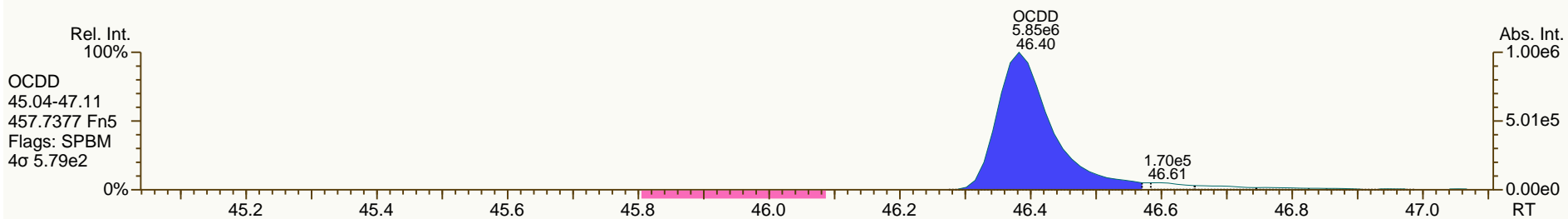


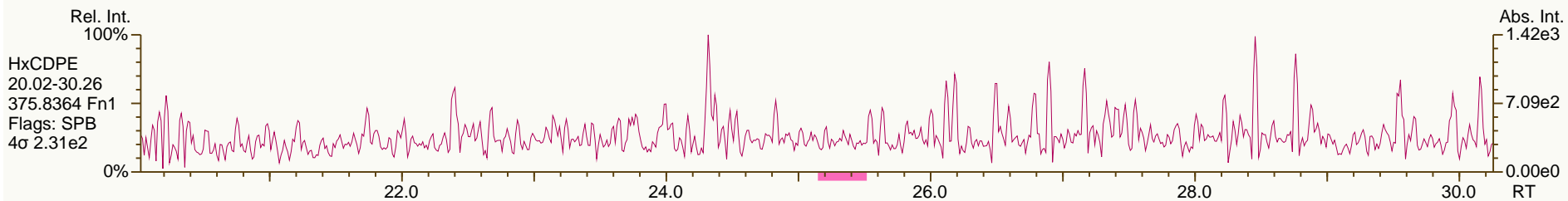
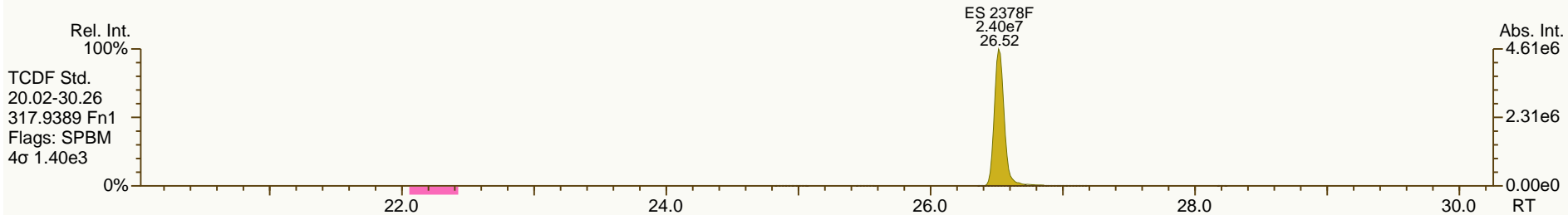
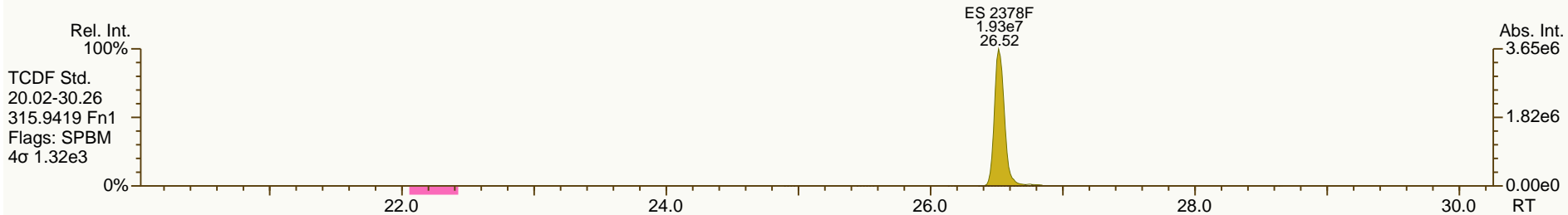
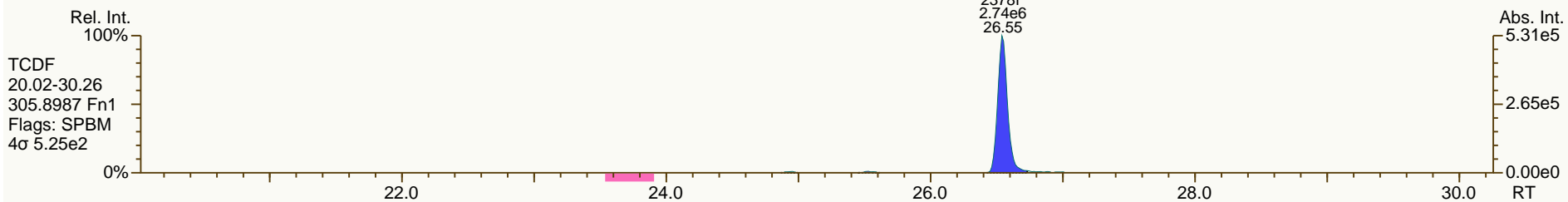
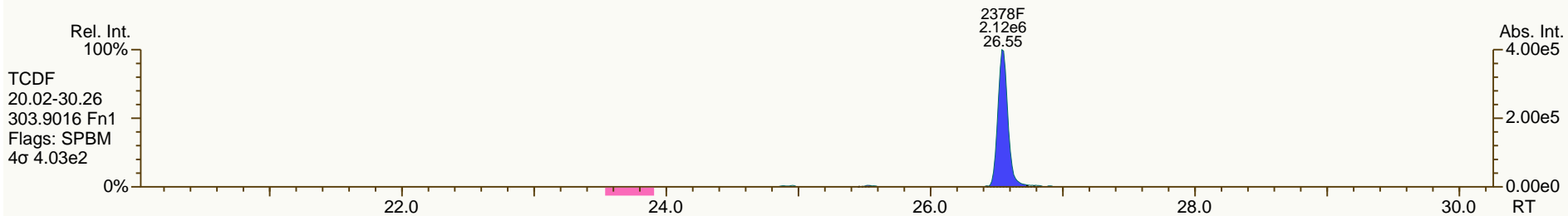


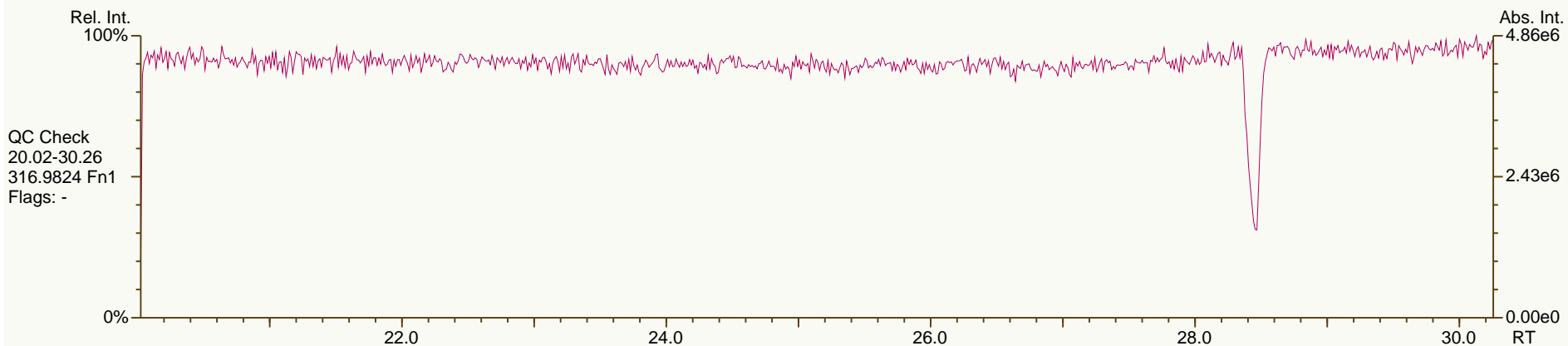
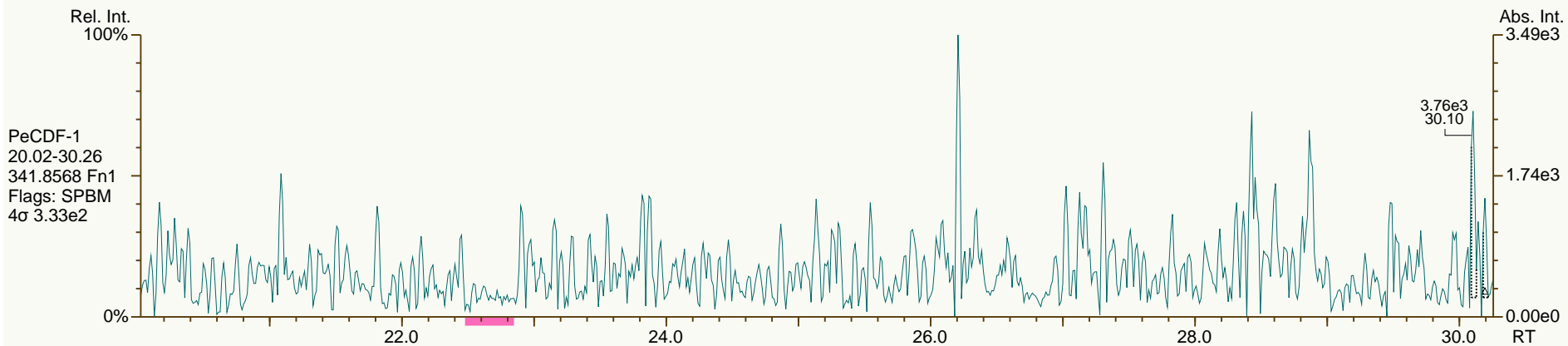
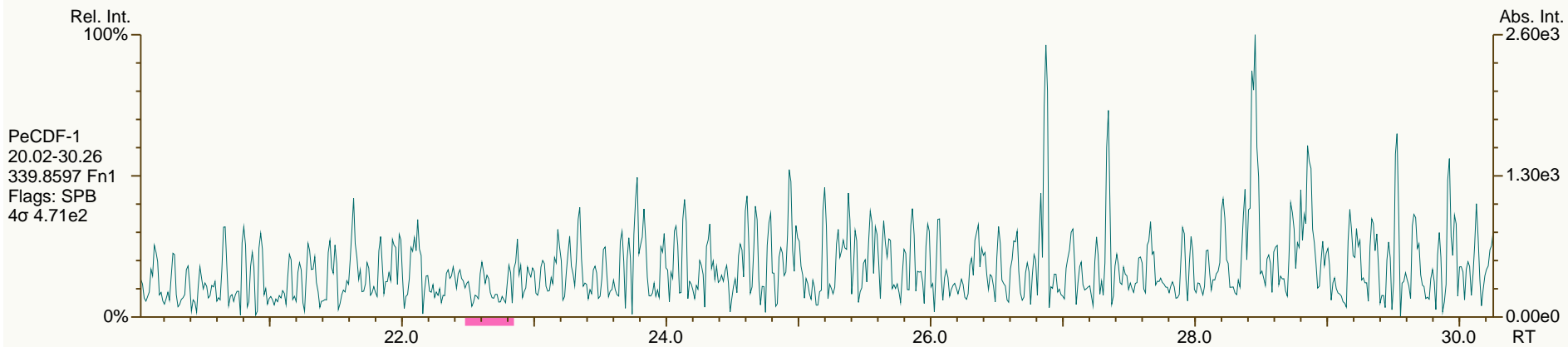


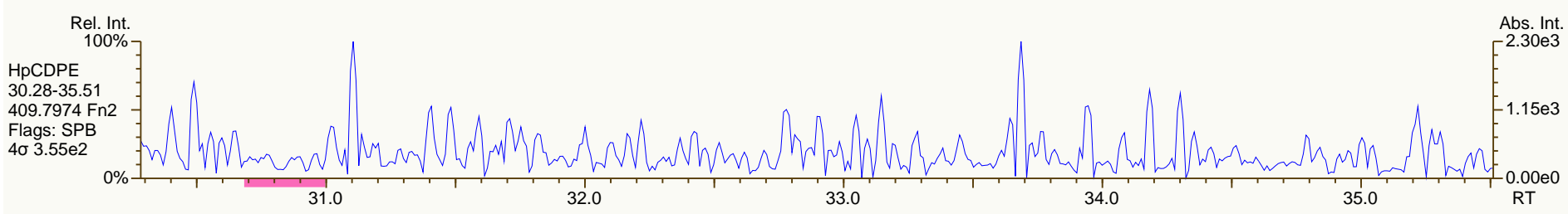
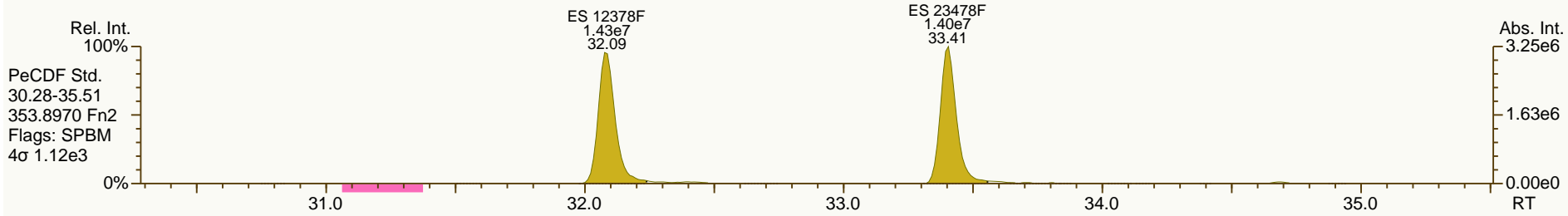
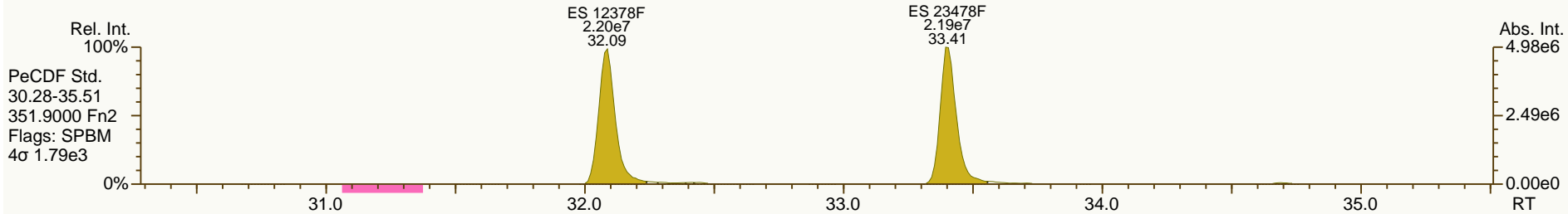
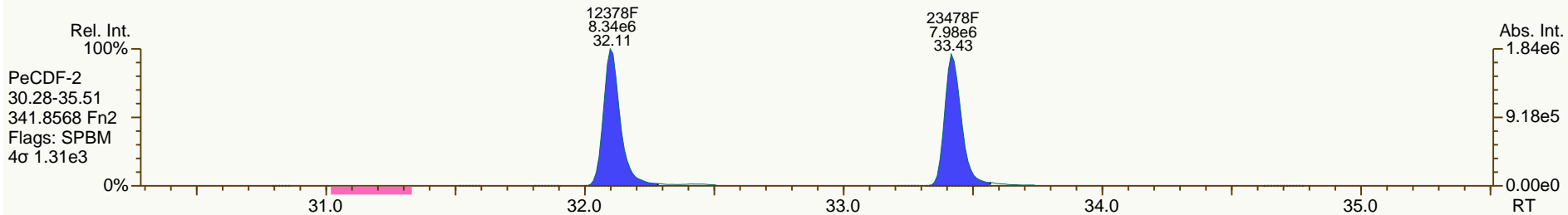
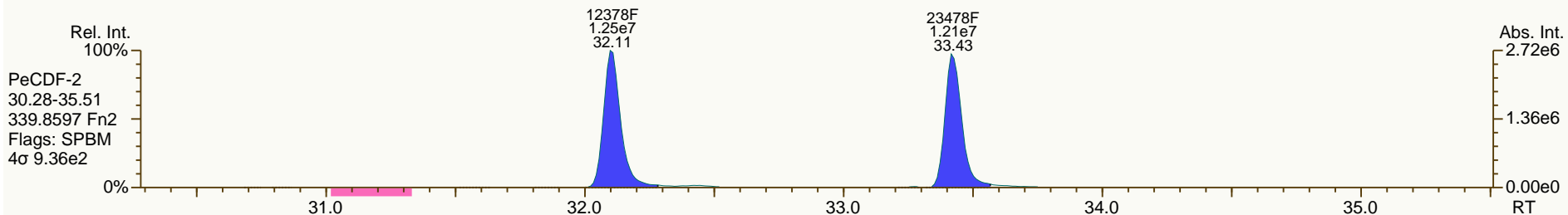


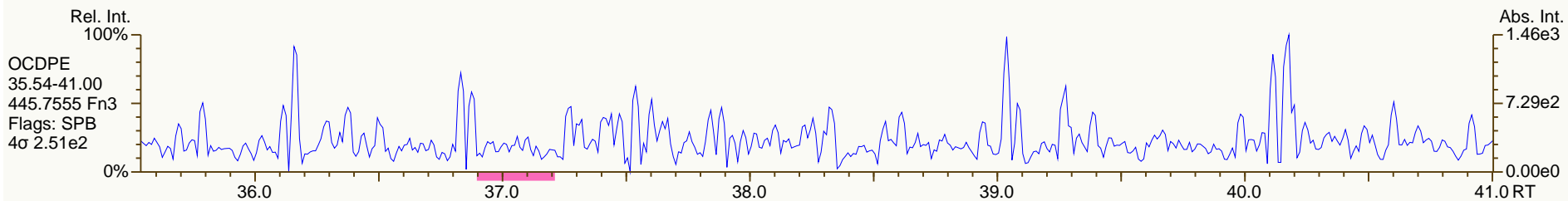
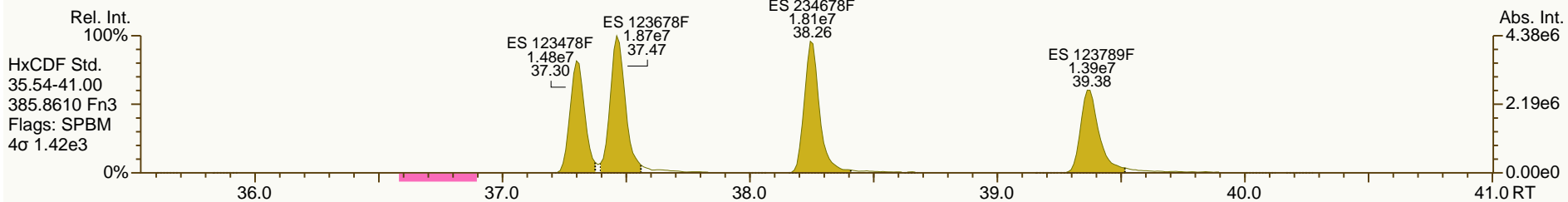
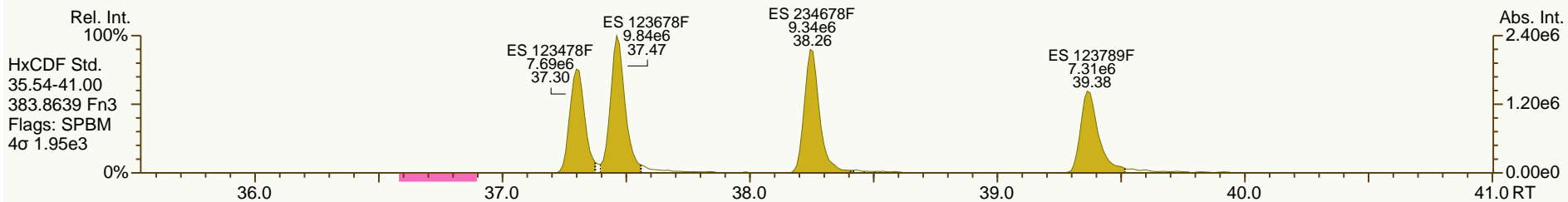
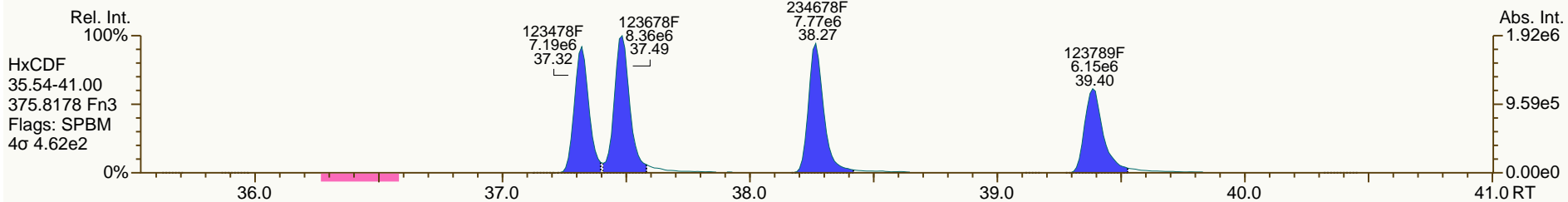
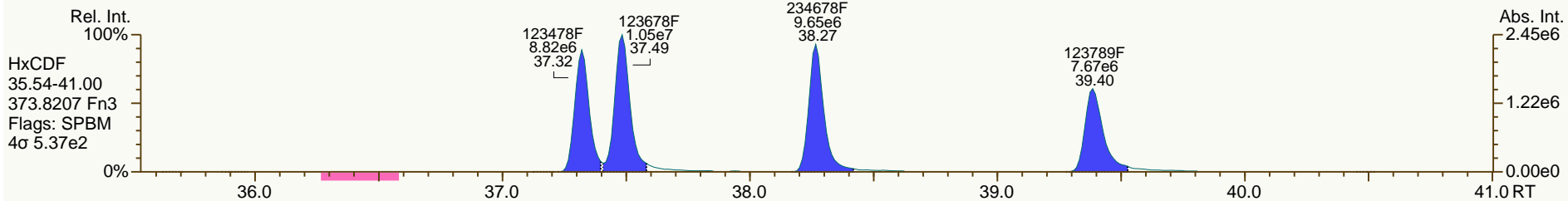


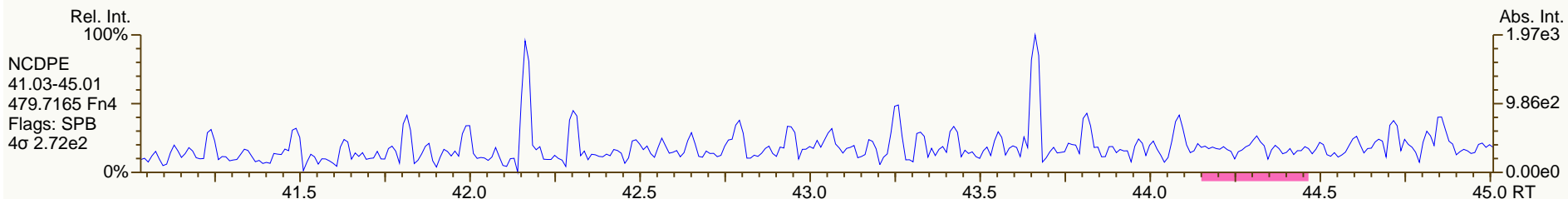
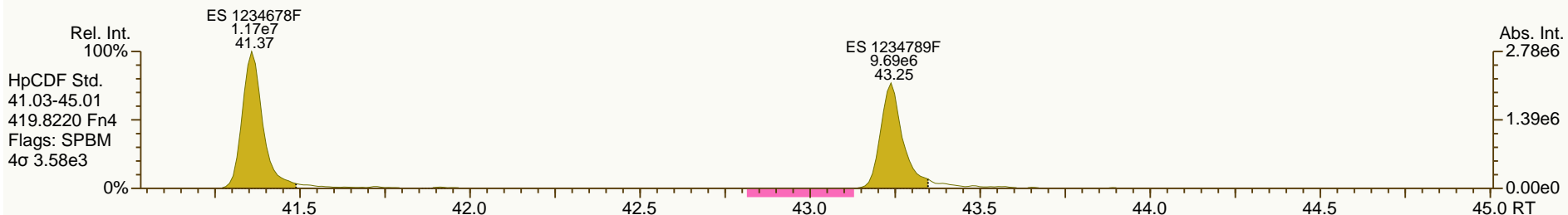
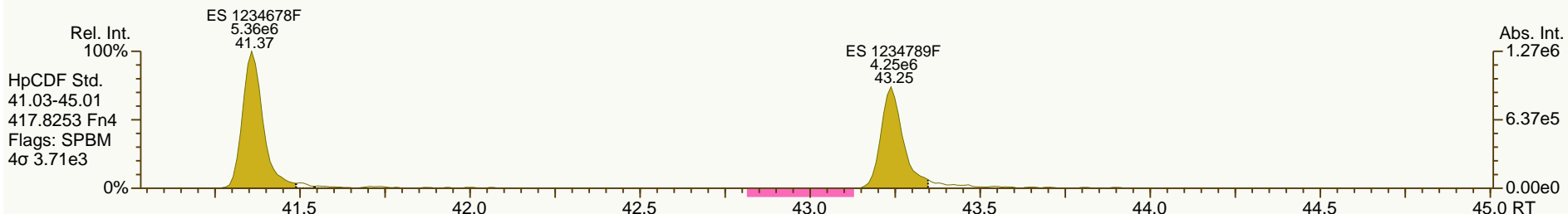
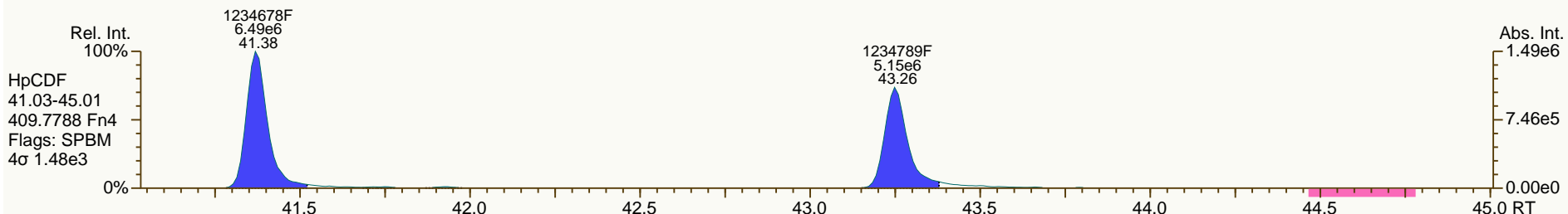
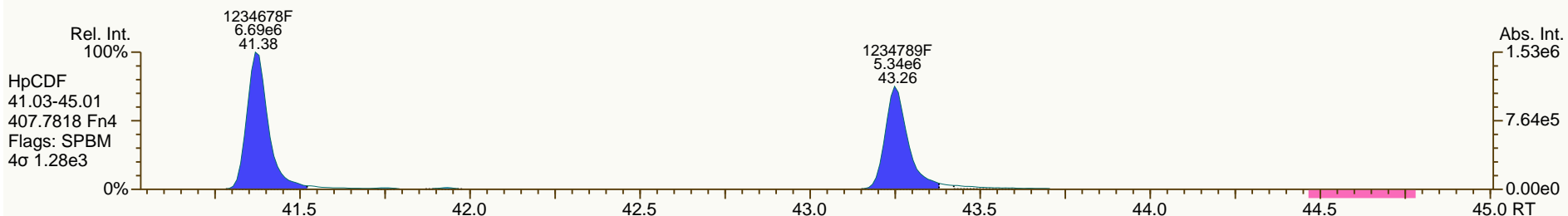


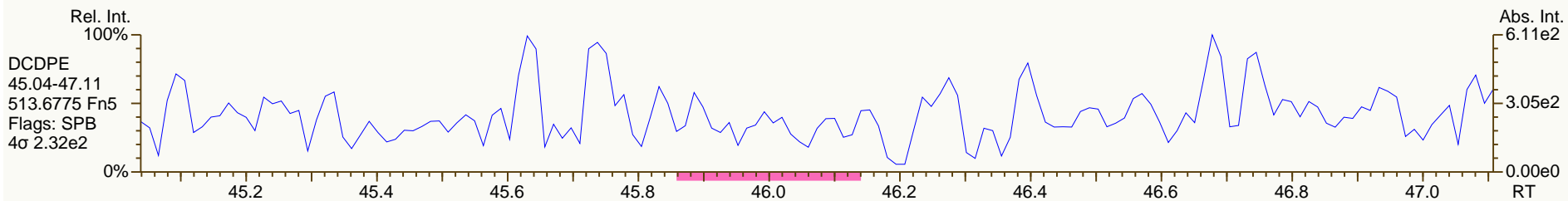
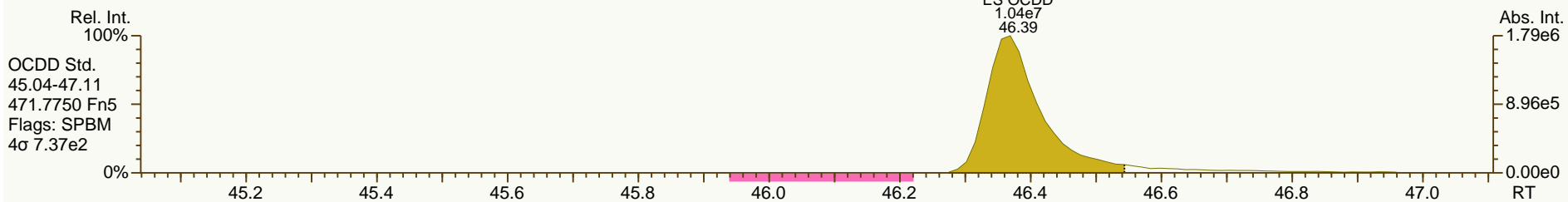
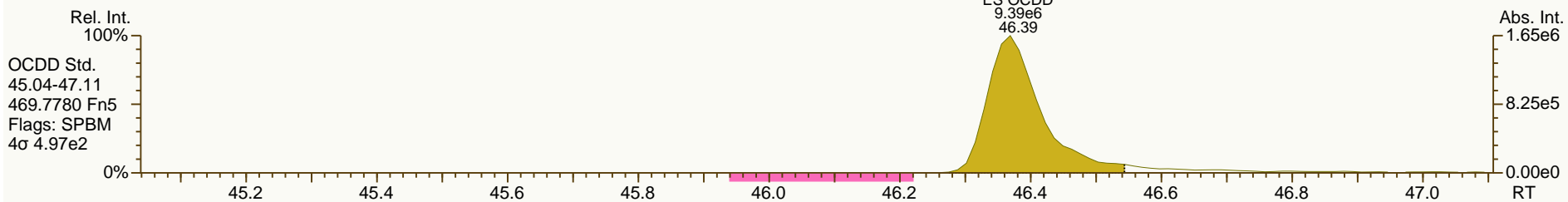
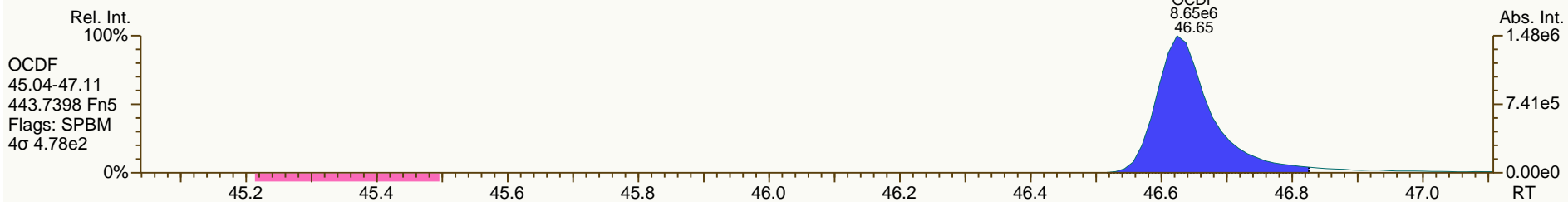
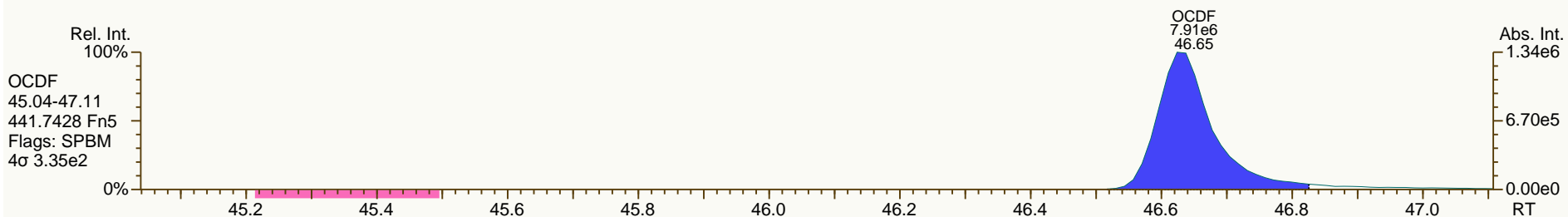












Batch Summary

Analytical Method: EPA 1668B

Prep Method: EPA 1668B PREP S/D/T

Prep Batch: HXX1817

Prep Date: 10/16/2012 15:56

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Analysis Date</u>	<u>Analytical Batch</u>	<u>Instrument</u>	<u>Analyst</u>
OPR for HBN 30725 [HXX/1817]	95876	10/24/2012 08:20	HRP1312	APHRMS	LKB
MB for HBN 30725 [HXX/1817]	95875	10/24/2012 10:08	HRP1312	APHRMS	LKB
JW-EA09-SS38-120507	31203251002	10/24/2012 11:02	HRP1312	APHRMS	LKB
JW-EA09-SS37-120507	31203251001	10/24/2012 11:56	HRP1312	APHRMS	LKB

Method Blank Summary

Blank ID: MB for HBN 30725 [HXX/1817]
 Blank Lab ID: 95875
 QC for Samples:
 31203251001, 31203251002

Matrix: Soil-Solid as dry weight

Results by EPA 1668B

Parameter	Result	EMPC	Qual	DL	LOQ/CL	Units	RT	Ratio
1-MoCB	0.227		J	0.103	1.00	pg/g	10.42	3.07
2-MoCB	0.214		J	0.150	1.00	pg/g	12.27	3.24
3-MoCB		0.153	J	0.122	1.00	pg/g	12.43	2.39*
4-DiCB	ND		U	0.547	1.00	pg/g		
5-DiCB	ND		U	0.794	1.00	pg/g		
6-DiCB	ND		U	0.793	1.00	pg/g		
7-DiCB	0.455		J	0.349	1.00	pg/g	14.69	
8-DiCB	0.376		J	0.354	1.00	pg/g	15.18	
9-DiCB	ND		U	0.863	1.00	pg/g		
10-DiCB	ND		U	0.393	1.00	pg/g		
11-DiCB	4.63			0.734	1.00	pg/g	17.36	1.54
12-DiCB C13	ND		U	0.716	2.00	pg/g		
14-DiCB	ND		U	0.643	1.00	pg/g		
15-DiCB	ND		U	0.577	1.00	pg/g		
16-TrCB	ND		U	0.216	1.00	pg/g		
17-TrCB	ND		U	0.163	1.00	pg/g		
18-TrCB C30	0.320		J	0.142	2.00	pg/g	17.07	1.08
19-TrCB	ND		U	0.178	1.00	pg/g		
20-TrCB C28	0.444		J	0.181	2.00	pg/g	20.50	1.15
21-TrCB C33		0.203	J	0.175	2.00	pg/g	20.70	1.24*
22-TrCB	ND		U	0.189	1.00	pg/g		
23-TrCB	ND		U	0.188	1.00	pg/g		
24-TrCB	ND		U	0.124	1.00	pg/g		
25-TrCB	ND		U	0.182	1.00	pg/g		
26-TrCB C29	ND		U	0.184	2.00	pg/g		
27-TrCB	ND		U	0.122	1.00	pg/g		
31-TrCB	0.357		J	0.174	1.00	pg/g	20.25	1.02
32-TrCB	ND		U	0.115	1.00	pg/g		
34-TrCB	ND		U	0.200	1.00	pg/g		
35-TrCB	ND		U	0.179	1.00	pg/g		
36-TrCB	ND		U	0.167	1.00	pg/g		
37-TrCB	ND		U	0.152	1.00	pg/g		
38-TrCB	ND		U	0.182	1.00	pg/g		
39-TrCB	ND		U	0.162	1.00	pg/g		
40-TeCB C71	ND		U	0.142	2.00	pg/g		
41-TeCB	ND		U	0.170	1.00	pg/g		
42-TeCB	ND		U	0.155	1.00	pg/g		
43-TeCB	ND		U	0.168	1.00	pg/g		
44-TeCB C47/65	0.458		J	0.137	3.00	pg/g	22.92	0.80
45-TeCB	ND		U	0.176	1.00	pg/g		

Method Blank Summary

Blank ID: MB for HBN 30725 [HXX/1817]
 Blank Lab ID: 95875
 QC for Samples:
 31203251001, 31203251002

Matrix: Soil-Solid as dry weight

Results by EPA 1668B

Parameter	Result	EMPC	Qual	DL	LOQ/CL	Units	RT	Ratio
46-TeCB	ND		U	0.180	1.00	pg/g		
48-TeCB	ND		U	0.145	1.00	pg/g		
49-TeCB C69	0.258		J	0.120	2.00	pg/g	22.48	0.83
50-TeCB C53	ND		U	0.147	2.00	pg/g		
51-TeCB	ND		U	0.140	1.00	pg/g		
52-TeCB	0.681		J	0.147	1.00	pg/g	22.06	0.83
54-TeCB	ND		U	0.104	1.00	pg/g		
55-TeCB	ND		U	0.127	1.00	pg/g		
56-TeCB		0.180	J	0.129	1.00	pg/g	26.99	0.63*
57-TeCB	ND		U	0.124	1.00	pg/g		
58-TeCB	ND		U	0.123	1.00	pg/g		
59-TeCB C62/75	ND		U	0.107	3.00	pg/g		
60-TeCB	ND		U	0.121	1.00	pg/g		
61-TeCB C70/74/76	0.665		J	0.118	4.00	pg/g	26.16	0.81
63-TeCB	ND		U	0.110	1.00	pg/g		
64-TeCB	ND		U	0.0996	1.00	pg/g		
66-TeCB	0.283		J	0.123	1.00	pg/g	26.42	0.72
67-TeCB	ND		U	0.117	1.00	pg/g		
68-TeCB	ND		U	0.109	1.00	pg/g		
72-TeCB	ND		U	0.125	1.00	pg/g		
73-TeCB	ND		U	0.113	1.00	pg/g		
77-TeCB	ND		U	0.0997	1.00	pg/g		
78-TeCB	ND		U	0.123	1.00	pg/g		
79-TeCB	ND		U	0.108	1.00	pg/g		
80-TeCB	ND		U	0.107	1.00	pg/g		
81-TeCB	ND		U	0.102	1.00	pg/g		
82-PeCB	ND		U	0.199	1.00	pg/g		
83-PeCB	ND		U	0.209	1.00	pg/g		
84-PeCB	ND		U	0.198	1.00	pg/g		
85-PeCB C116	ND		U	0.131	2.00	pg/g		
86-PeCB C108/119/125/87/97	0.802		J	0.146	6.00	pg/g	28.84	0.58
88-PeCB	ND		U	0.217	1.00	pg/g		
89-PeCB	ND		U	0.186	1.00	pg/g		
90-PeCB C101/113	1.14		J	0.148	3.00	pg/g	27.89	0.63
91-PeCB	ND		U	0.160	1.00	pg/g		
92-PeCB		0.196	J	0.175	1.00	pg/g	27.39	0.82*
93-PeCB C100	ND		U	0.164	2.00	pg/g		
94-PeCB	ND		U	0.182	1.00	pg/g		
95-PeCB	0.803		J	0.170	1.00	pg/g	25.39	0.61
96-PeCB	ND		U	0.128	1.00	pg/g		

Method Blank Summary

Blank ID: MB for HBN 30725 [HXX/1817]
 Blank Lab ID: 95875
 QC for Samples:
 31203251001, 31203251002

Matrix: Soil-Solid as dry weight

Results by EPA 1668B

Parameter	Result	EMPC	Qual	DL	LOQ/CL	Units	RT	Ratio
98-PeCB	ND		U	0.176	1.00	pg/g		
99-PeCB	0.425		J	0.150	1.00	pg/g	28.37	0.68
102-PeCB	ND		U	0.165	1.00	pg/g		
103-PeCB	ND		U	0.157	1.00	pg/g		
104-PeCB	ND		U	0.101	1.00	pg/g		
105-PeCB	0.480		J	0.114	1.00	pg/g	33.04	0.65
106-PeCB	ND		U	0.129	1.00	pg/g		
107-PeCB C124	ND		U	0.126	2.00	pg/g		
109-PeCB	ND		U	0.118	1.00	pg/g		
111-PeCB	ND		U	0.118	1.00	pg/g		
110-PeCB	1.05			0.122	1.00	pg/g	29.53	0.71
112-PeCB	ND		U	0.126	1.00	pg/g		
114-PeCB	ND		U	0.108	1.00	pg/g		
115-PeCB	ND		U	0.130	1.00	pg/g		
117-PeCB	ND		U	0.160	1.00	pg/g		
118-PeCB	0.999		J	0.107	1.00	pg/g	32.07	0.69
120-PeCB	ND		U	0.117	1.00	pg/g		
121-PeCB	ND		U	0.122	1.00	pg/g		
122-PeCB	ND		U	0.127	1.00	pg/g		
123-PeCB	ND		U	0.112	1.00	pg/g		
126-PeCB	ND		U	0.113	1.00	pg/g		
127-PeCB	ND		U	0.114	1.00	pg/g		
128-HxCB C166	0.196		J	0.118	2.00	pg/g	35.73	1.07
129-HxCB C138/163	2.10		J	0.131	3.00	pg/g	34.67	1.14
130-HxCB	ND		U	0.158	1.00	pg/g		
131-HxCB	ND		U	0.154	1.00	pg/g		
132-HxCB	0.668		J	0.150	1.00	pg/g	32.13	1.35
133-HxCB	ND		U	0.144	1.00	pg/g		
134-HxCB	ND		U	0.169	1.00	pg/g		
135-HxCB C151	0.627		J	0.139	2.00	pg/g	30.32	1.23
136-HxCB	0.222		J	0.108	1.00	pg/g	28.28	1.17
137-HxCB	ND		U	0.145	1.00	pg/g		
139-HxCB C140	ND		U	0.132	2.00	pg/g		
141-HxCB	0.494		J	0.137	1.00	pg/g	33.78	1.37
142-HxCB	ND		U	0.151	1.00	pg/g		
143-HxCB	ND		U	0.138	1.00	pg/g		
144-HxCB	ND		U	0.134	1.00	pg/g		
145-HxCB	ND		U	0.105	1.00	pg/g		
146-HxCB	ND		U	0.130	1.00	pg/g		
147-HxCB C149	1.53		J	0.135	2.00	pg/g	31.09	1.39

Method Blank Summary

Blank ID: MB for HBN 30725 [HXX/1817]
 Blank Lab ID: 95875
 QC for Samples:
 31203251001, 31203251002

Matrix: Soil-Solid as dry weight

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
148-HxCB	ND		U	0.135	1.00	pg/g		
150-HxCB	ND		U	0.0997	1.00	pg/g		
152-HxCB	ND		U	0.103	1.00	pg/g		
153-HxCB C168	1.73		J	0.108	2.00	pg/g	33.64	1.27
154-HxCB	ND		U	0.122	1.00	pg/g		
155-HxCB	ND		U	0.0922	1.00	pg/g		
156-HxCB C157	0.216		J	0.116	2.00	pg/g	38.14	1.21
158-HxCB	0.210		J	0.101	1.00	pg/g	35.00	1.14
159-HxCB	ND		U	0.100	1.00	pg/g		
160-HxCB	ND		U	0.111	1.00	pg/g		
161-HxCB	ND		U	0.105	1.00	pg/g		
162-HxCB	ND		U	0.0958	1.00	pg/g		
164-HxCB	ND		U	0.111	1.00	pg/g		
165-HxCB	ND		U	0.116	1.00	pg/g		
167-HxCB	ND		U	0.0888	1.00	pg/g		
169-HxCB	ND		U	0.101	1.00	pg/g		
170-HpCB	0.727		J	0.197	1.00	pg/g	40.36	0.92
171-HpCB C173	ND		U	0.197	2.00	pg/g		
172-HpCB	ND		U	0.181	1.00	pg/g		
174-HpCB	0.963		J	0.198	1.00	pg/g	36.51	1.07
175-HpCB	ND		U	0.184	1.00	pg/g		
176-HpCB	ND		U	0.0957	1.00	pg/g		
177-HpCB	0.425		J	0.200	1.00	pg/g	36.88	1.13
178-HpCB	ND		U	0.140	1.00	pg/g		
179-HpCB	0.281		J	0.103	1.00	pg/g	32.77	1.12
180-HpCB C193	1.59		J	0.158	2.00	pg/g	39.32	1.11
181-HpCB	ND		U	0.174	1.00	pg/g		
182-HpCB	ND		U	0.167	1.00	pg/g		
183-HpCB	0.444		J	0.162	1.00	pg/g	36.34	1.17
184-HpCB	ND		U	0.106	1.00	pg/g		
185-HpCB	ND		U	0.176	1.00	pg/g		
186-HpCB	ND		U	0.102	1.00	pg/g		
187-HpCB	0.918		J	0.172	1.00	pg/g	35.82	1.07
188-HpCB	ND		U	0.0990	1.00	pg/g		
189-HpCB	ND		U	0.124	1.00	pg/g		
190-HpCB	ND		U	0.137	1.00	pg/g		
191-HpCB	ND		U	0.134	1.00	pg/g		
192-HpCB	ND		U	0.139	1.00	pg/g		
194-OcCB	0.463		J	0.122	1.00	pg/g	44.72	0.95
195-OcCB	0.181		J	0.131	1.00	pg/g	42.77	0.83

Method Blank Summary

Blank ID: MB for HBN 30725 [HXX/1817]
 Blank Lab ID: 95875
 QC for Samples:
 31203251001, 31203251002

Matrix: Soil-Solid as dry weight

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
196-OcCB	ND		U	0.149	1.00	pg/g		
197-OcCB	ND		U	0.101	1.00	pg/g		
198-OcCB C199	ND		U	0.152	2.00	pg/g		
200-OcCB	ND		U	0.111	1.00	pg/g		
201-OcCB	ND		U	0.104	1.00	pg/g		
202-OcCB	ND		U	0.116	1.00	pg/g		
203-OcCB	ND		U	0.141	1.00	pg/g		
204-OcCB	ND		U	0.111	1.00	pg/g		
205-OcCB	ND		U	0.0898	1.00	pg/g		
206-NoCB	ND		U	0.177	1.00	pg/g		
207-NoCB	ND		U	0.150	1.00	pg/g		
208-NoCB	ND		U	0.136	1.00	pg/g		
209-DeCB	ND		U	0.184	1.00	pg/g		
Total Monochlorobiphenyls	0.593			0.113		pg/g		
Total Dichlorobiphenyls	5.46			0.562		pg/g		
Total Trichlorobiphenyls	1.32			0.165		pg/g		
Total Tetrachlorobiphenyls	2.52			0.120		pg/g		
Total Pentachlorobiphenyls	5.90			0.109		pg/g		
Total Hexachlorobiphenyls	7.99			0.0993		pg/g		
Total Heptachlorobiphenyls	5.35			0.147		pg/g		
Total Octachlorobiphenyls	0.644			0.103		pg/g		
Total Nonachlorobiphenyls	ND		U	0.156		pg/g		
Total Decachlorobiphenyl	ND		U	0.184		pg/g		
Total PCBs	29.8			0.562		pg/g		

Labeled Standards

1L-MoCB	70.0				4.00-100	%		
3L-MoCB	78.0				11.0-106	%		
4L-DiCB	112*				14.0-107	%		
15L-DiCB	77.0				19.0-107	%		
19L-TrCB	90.0				1.00-108	%		
37L-TrCB	73.0				25.0-123	%		
54L-TeCB	86.0				13.0-105	%		
77L-TeCB	80.0				31.0-109	%		
81L-TeCB	81.0				14.0-127	%		
104L-PeCB	84.0				36.0-115	%		
105L-PeCB	87.0				50.0-111	%		
114L-PeCB	84.0				41.0-121	%		
118L-PeCB	83.0				49.0-111	%		
123L-PeCB	83.0				49.0-116	%		

Method Blank Summary

Blank ID: MB for HBN 30725 [HXX/1817]
 Blank Lab ID: 95875
 QC for Samples:
 31203251001, 31203251002

Matrix: Soil-Solid as dry weight

Results by EPA 1668B

<u>Parameter</u>	<u>Result</u>	<u>EMPC</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>RT</u>	<u>Ratio</u>
126L-PeCB	79.0				50.0-106	%		
155L-HxCB	77.0				25.0-124	%		
156L-HxCB C157L	82.0				40.0-120	%		
167L-HxCB	81.0				45.0-118	%		
169L-HxCB	80.0				37.0-117	%		
188L-HpCB	70.0				23.0-125	%		
189L-HpCB	80.0				47.0-116	%		
202L-OcCB	73.0				31.0-134	%		
205L-OcCB	90.0				46.0-115	%		
206L-NoCB	94.0				38.0-122	%		
208L-NoCB	90.0				31.0-126	%		
209L-DeCB	85.0				43.0-115	%		
28L-TrCB	85.0				14.0-131	%		
111L-PeCB	98.0				57.0-112	%		
178L-HpCB	84.0				57.0-125	%		

Batch Information

Analytical Batch: **HRP1312**
 Analytical Method: **EPA 1668B**
 Instrument: **APHRMS**
 Analyst: **LKB**
 Analytical Date/Time: **10/24/2012 10:08**

Prep Batch: **HXX1817**
 Prep Method: **EPA 1668B PREP S/D/T**
 Prep Date/Time: **10/16/2012 15:56**
 Prep Initial Wt./Vol.: **10 g**
 Prep Extract Vol: **20 uL**



Name	Actual	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.13	ND	1.46E+03	0.0997
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.13	ND	1.46E+03	0.102
PCB-105 233'44'-PeCB	33.04	J	1.0007	1.0006	-0.2	7.06E+04	0.65	1.09	0.48	1.48E+03	0.114
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.16	ND	1.48E+03	0.108
PCB-118 23'44'5'-PeCB	32.07	J	1.0007	1.0008	+0.2	1.48E+05	0.69	1.11	0.999	1.48E+03	0.107
PCB-123 23'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.19	ND	1.48E+03	0.112
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.06	ND	1.27E+03	0.113
PCB-156/157 ...-HxCB	38.14	J C	1.0005	1.0002	-0.7	3.18E+04	1.21	1.11	0.216	1.25E+03	0.116
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.14	ND	1.25E+03	0.0888
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.11	ND	1.25E+03	0.101
PCB-189 233'44'55'-HpCB	NotFnd		1.0004	-		0.00E+00		1.06	ND	1.32E+03	0.124
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.07	ND	1.17E+03	0.184
ES PCB-1	10.41		0.7215	0.7216	+0.1	3.55E+07	3.13	1.08	70.4 %	25%	150%
ES PCB-3	12.42		0.8608	0.8612	+0.3	3.93E+07	3.21	1.08	77.9 %	25%	150%
ES PCB-4	12.63		0.8756	0.8754	-0.2	2.55E+07	1.62	0.49	112 %	25%	150%
ES PCB-15	17.88		1.2386	1.2396	+1.1	3.97E+07	1.57	1.11	76.6 %	25%	150%
ES PCB-19	15.41		1.0685	1.0683	-0.2	2.32E+07	1.06	0.55	89.9 %	25%	150%
ES PCB-37	23.91		1.0840	1.0847	+1.0	3.27E+07	1.07	1.64	73.3 %	25%	150%
ES PCB-54	18.10		0.8214	0.8212	-0.2	2.21E+07	0.78	0.94	86.4 %	25%	150%
ES PCB-77	30.09		1.3640	1.3651	+2.0	2.95E+07	0.79	1.35	80.3 %	25%	150%
ES PCB-81	29.62		1.3429	1.3438	+1.6	2.83E+07	0.78	1.29	80.6 %	25%	150%
ES PCB-104	22.85		0.8204	0.8201	-0.4	2.08E+07	1.59	0.99	83.7 %	25%	150%
ES PCB-105	33.02		1.1846	1.1849	+0.6	2.69E+07	1.61	1.23	87.2 %	25%	150%
ES PCB-114	32.49		1.1656	1.1659	+0.6	2.63E+07	1.63	1.25	84.2 %	25%	150%
ES PCB-118	32.04		1.1496	1.1499	+0.6	2.67E+07	1.62	1.28	83.4 %	25%	150%
ES PCB-123	31.77		1.1397	1.1400	+0.6	2.53E+07	1.59	1.22	82.9 %	25%	150%
ES PCB-126	35.62		1.2777	1.2783	+1.3	2.35E+07	1.59	1.20	78.5 %	25%	150%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	27.69		0.7994	0.7991	-0.5	2.56E+07	1.30	1.50	76.8 %	25%	150%
ES PCB-156/157	38.14		1.1005	1.1007	+0.5	5.31E+07	1.34	1.45	81.8 %	25%	150%
ES PCB-167	37.18		1.0730	1.0731	+0.2	2.68E+07	1.34	1.49	80.6 %	25%	150%
ES PCB-169	40.85		1.1787	1.1791	+1.0	2.51E+07	1.31	1.40	80.2 %	25%	150%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	32.48		0.7268	0.7266	-0.4	1.85E+07	1.12	1.18	70.4 %	25%	150%
ES PCB-189	42.96		0.9608	0.9608	0	2.34E+07	1.06	1.49	79.9 %	25%	150%
ES PCB-202	36.97		0.8272	0.8270	-0.4	1.86E+07	0.93	1.14	73.3 %	25%	150%
ES PCB-205	45.10		1.0089	1.0089	0	2.13E+07	0.89	1.20	90 %	25%	150%
ES PCB-206	46.55		1.0413	1.0413	0	1.61E+07	0.80	0.87	94.2 %	25%	150%
ES PCB-208	42.56		0.9520	0.9519	-0.3	2.11E+07	0.80	1.19	90.3 %	25%	150%
ES PCB-209	47.90		1.0714	1.0713	-0.3	1.68E+07	1.20	1.00	85.1 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	20.49		0.9294	0.9294	0	4.05E+07	1.05	1.07	115 %	30%	135%
SS PCB-111	30.14	NA	1.0814	1.0815	+0.2	3.01E+07	1.66	1.01	119 %	30%	135%
SS PCB-178	35.03		1.0112	1.0112	0	1.39E+07	1.07	0.63	119 %	30%	135%
CS PCB-28	20.49		0.9294	0.9294	0	4.05E+07	1.05	1.76	84.5 %	30%	135%
CS PCB-111	30.14		1.0814	1.0815	+0.2	3.01E+07	1.66	1.23	98.4 %	30%	135%
CS PCB-178	35.03		1.0112	1.0112	0	1.39E+07	1.07	0.74	84.1 %	30%	135%

JS PCB-9	14.42					4.67E+07	1.55				
JS PCB-52	22.05					2.73E+07	0.81				
JS PCB-101	27.86					2.50E+07	1.59				
JS PCB-138	34.65					2.23E+07	1.27				
JS PCB-194	44.71					1.97E+07	0.91				

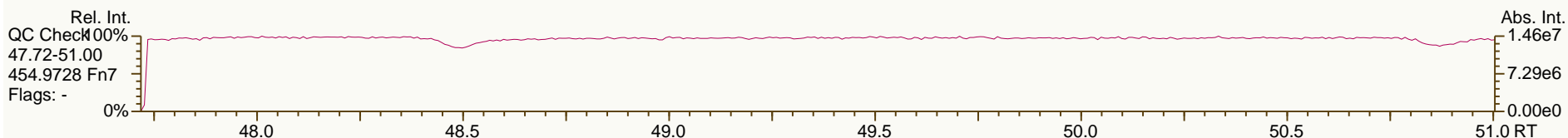
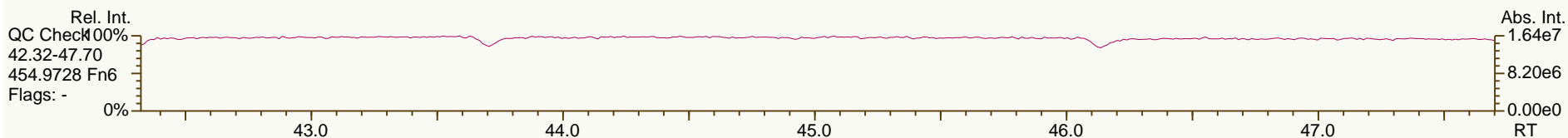
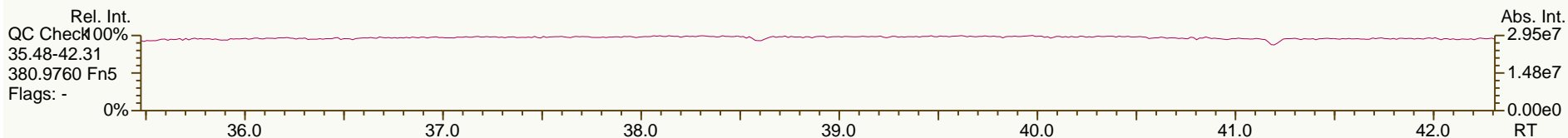
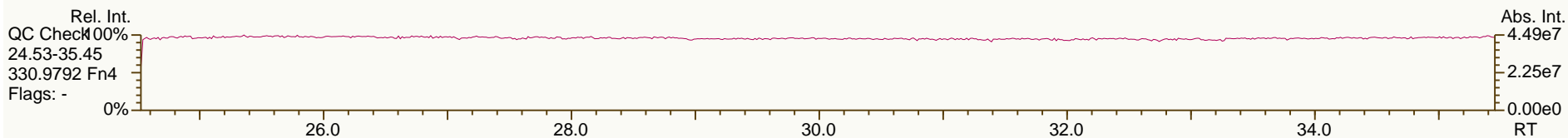
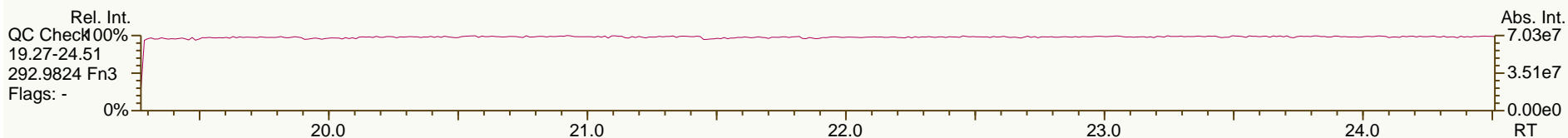
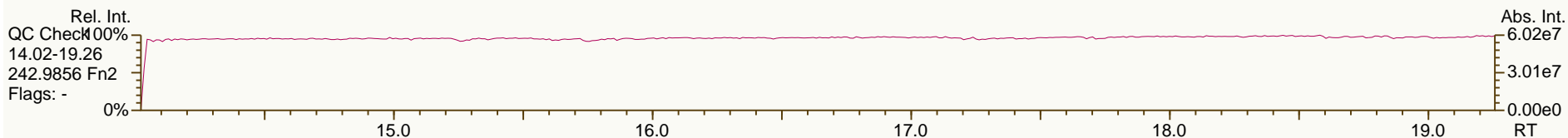
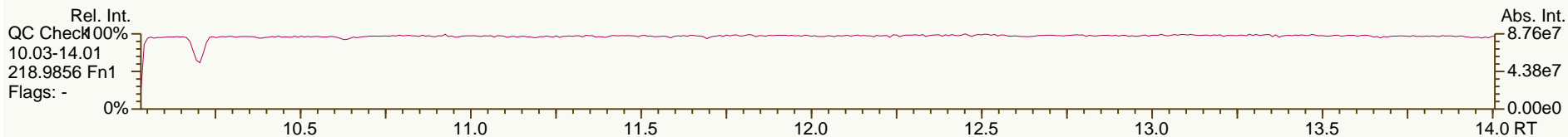
	Totals	NON-EMPC	EMPC	DL
	Mono-CBs	0.44	0.593	0.113
	Di-CBs	5.46	5.46	0.562
	Tri-CBs	1.12	1.32	0.165
	Tetra-CBs	2.34	2.52	0.12
	Penta-CBs	5.7	5.9	0.109
	Hexa-CBs	7.99	7.99	0.0993
	Hepta-CBs	5.35	5.35	0.147
	Octa-CBs	0.644	0.644	0.103
	Nona-CBs	0	0	0.156

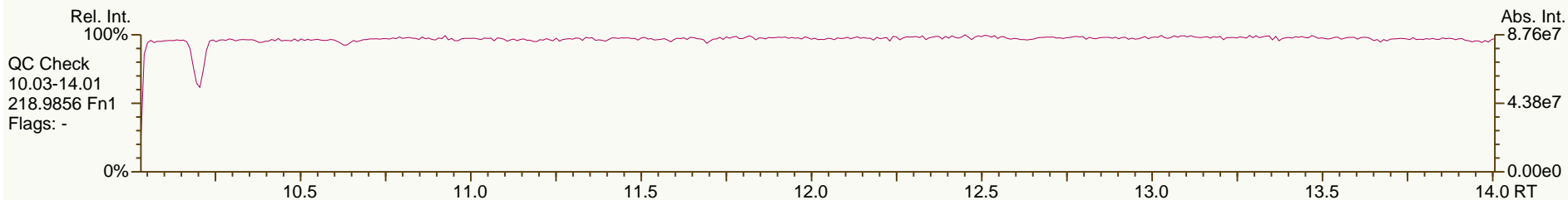
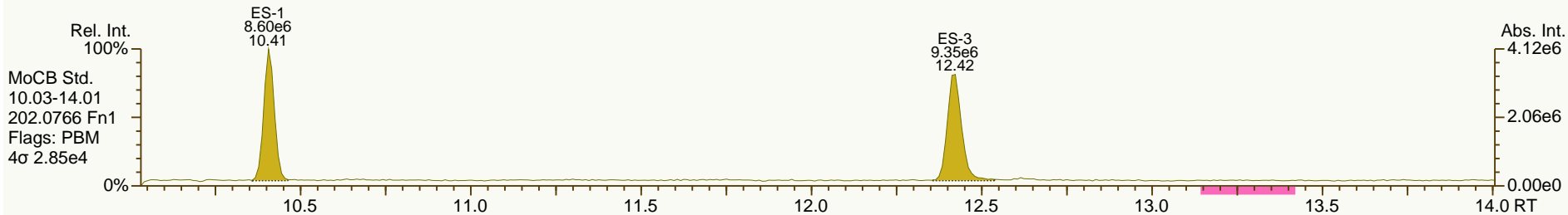
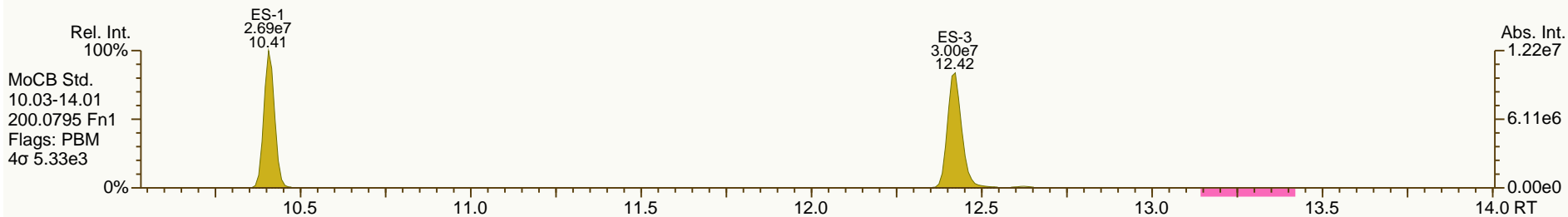
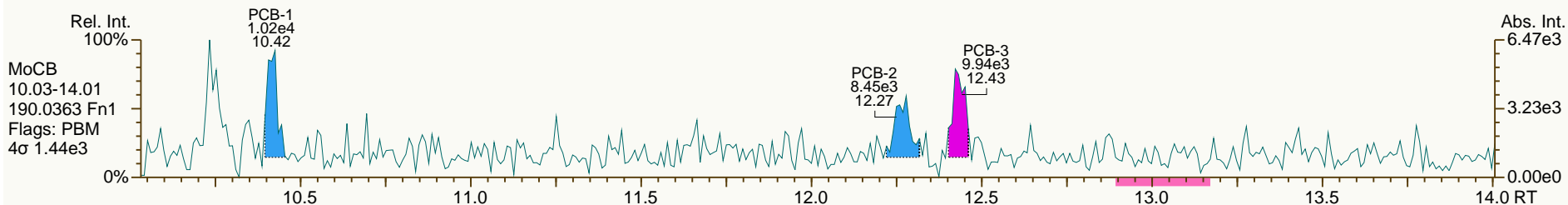
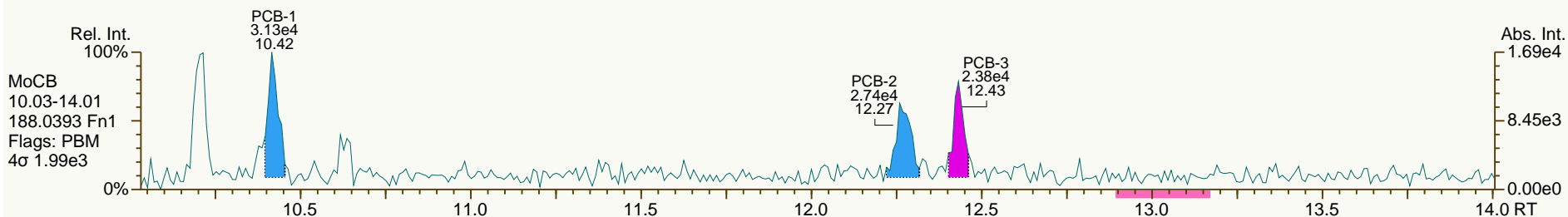
PCB-1 2-MoCB	10.42	J	1.0011	1.0012	+0.1	4.15E+04	3.07	1.03	0.227	3.43E+03	0.103
PCB-2 3-MoCB	12.27	J	0.9879	0.9878	-0.1	3.59E+04	3.24	0.85	0.214	3.43E+03	0.15
PCB-3 4-MoCB	12.43	J EMPC	1.0010	1.0008	-0.1	3.13E+04	2.39	1.04	0.153	3.43E+03	0.122
PCB-4 22'-DiCB	NotFnd		1.0011	-		0.00E+00		1.17	ND	1.15E+04	0.547
PCB-10 26'-DiCB	NotFnd		1.0139	-		0.00E+00		1.63	ND	1.15E+04	0.393
PCB-9 25'-DiCB	NotFnd		1.0011	-		0.00E+00		0.72	ND	1.25E+04	0.863
PCB-7 24'-DiCB	14.69	J	1.0114	1.0181	+5.9	7.53E+04	SI	0.84	0.455	5.84E+03	0.349
PCB-6 23'-DiCB	NotFnd		1.0255	-		0.00E+00		0.79	ND	1.25E+04	0.793
PCB-5 23'-DiCB	NotFnd		1.0443	-		0.00E+00		0.79	ND	1.25E+04	0.794
PCB-8 24'-DiCB	15.18	J	1.0522	1.0522	0	6.15E+04	SI	0.82	0.376	5.84E+03	0.354
PCB-14 35'-DiCB	NotFnd		0.9304	-		0.00E+00		0.97	ND	1.25E+04	0.643
PCB-11 33'-DiCB	17.36		0.9708	0.9707	-0.1	7.82E+05	1.54	0.85	4.63	1.25E+04	0.734
PCB-13/12 34'/34'-DiCB	NotFnd	C	0.9858	-		0.00E+00		0.87	ND	1.25E+04	0.716
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00		1.08	ND	1.25E+04	0.577
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		1.09	ND	2.82E+03	0.178
PCB-30/18 246/22'5-TrCB	17.07	J C	1.1076	1.1081	+0.5	5.11E+04	1.08	1.38	0.32	2.82E+03	0.142
PCB-17 22'4-TrCB	NotFnd		1.1316	-		0.00E+00		1.19	ND	2.82E+03	0.163
PCB-27 23'6-TrCB	NotFnd		1.1433	-		0.00E+00		1.60	ND	2.82E+03	0.122
PCB-24 236-TrCB	NotFnd		1.1512	-		0.00E+00		1.56	ND	2.82E+03	0.124
PCB-16 22'3-TrCB	NotFnd		1.1566	-		0.00E+00		0.90	ND	2.82E+03	0.216

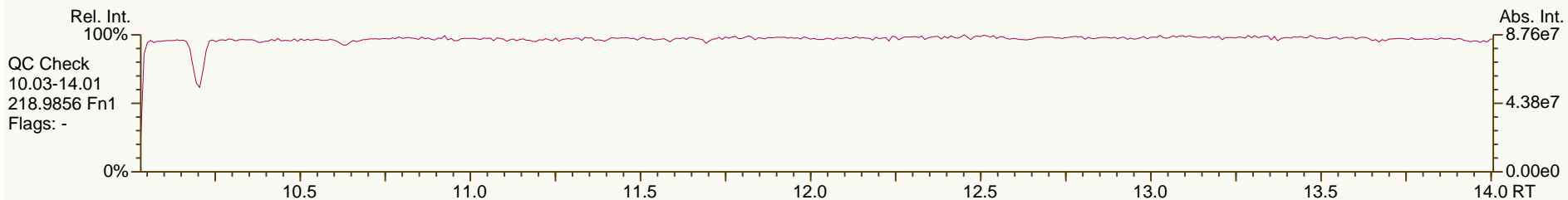
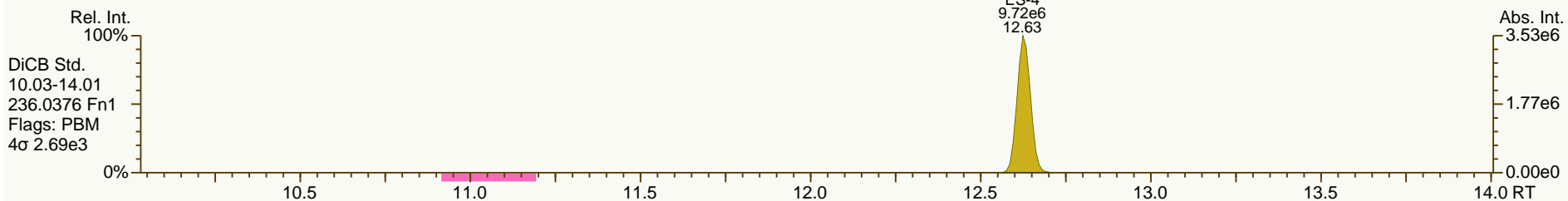
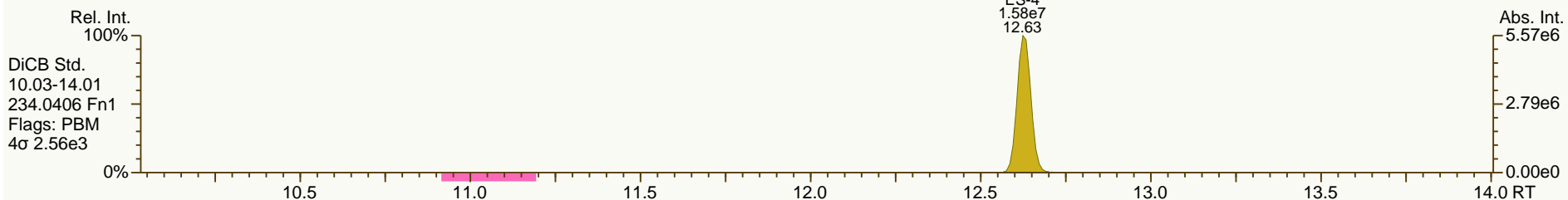
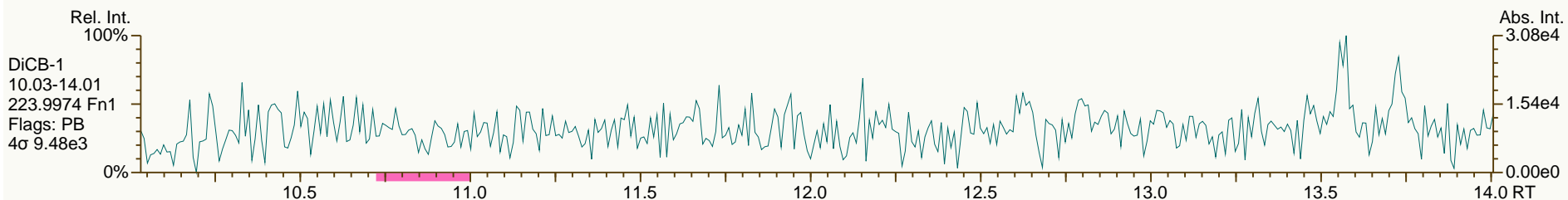
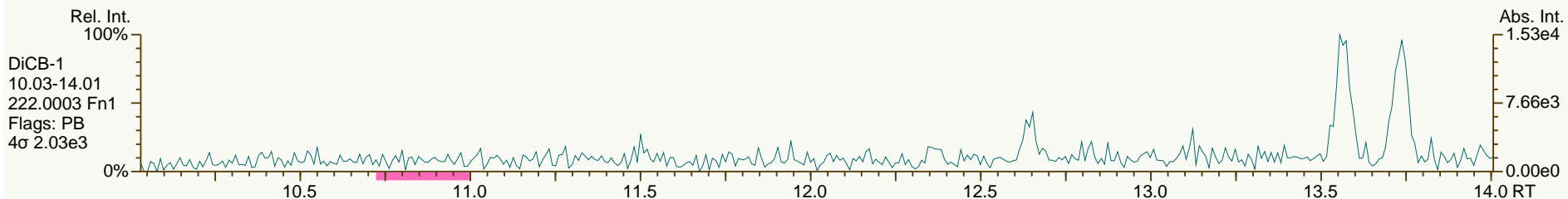
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	NotFnd		1.1863	-		0.00E+00		1.69	ND	2.82E+03	0.115
PCB-34 23'5'-TrCB	NotFnd		0.8114	-		0.00E+00		0.84	ND	2.49E+03	0.2
PCB-23 235-TrCB	NotFnd		0.8172	-		0.00E+00		0.90	ND	2.49E+03	0.188
PCB-26/29 23'5'/245-TrCB	NotFnd	C	0.8285	-		0.00E+00		0.92	ND	2.49E+03	0.184
PCB-25 23'4-TrCB	NotFnd		0.8363	-		0.00E+00		0.92	ND	2.49E+03	0.182
PCB-31 24'5-TrCB	20.25	J	0.8474	0.8467	-0.9	5.64E+04	1.02	0.97	0.357	2.49E+03	0.174
PCB-28/20 244'/233'-TrCB	20.50	J C	0.8584	0.8574	-1.2	6.73E+04	1.15	0.93	0.444	2.49E+03	0.181
PCB-21/33 234/23'4'-TrCB	20.70	J EMPC C	0.8653	0.8656	+0.4	3.20E+04	1.24	0.96	0.203	2.49E+03	0.175
PCB-22 234'-TrCB	NotFnd		0.8804	-		0.00E+00		0.89	ND	2.49E+03	0.189
PCB-36 33'5-TrCB	NotFnd		0.9368	-		0.00E+00		1.01	ND	2.49E+03	0.167
PCB-39 34'5-TrCB	NotFnd		0.9495	-		0.00E+00		1.04	ND	2.49E+03	0.162
PCB-38 345-TrCB	NotFnd		0.9702	-		0.00E+00		0.93	ND	2.49E+03	0.182
PCB-35 33'4-TrCB	NotFnd		0.9864	-		0.00E+00		0.94	ND	2.49E+03	0.179
PCB-37 344'-TrCB	NotFnd		1.0008	-		0.00E+00		1.10	ND	2.49E+03	0.152
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.21	ND	1.53E+03	0.104
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9082	-		0.00E+00		0.77	ND	1.43E+03	0.147
PCB-45 22'36-TeCB	NotFnd		0.9329	-		0.00E+00		0.64	ND	1.43E+03	0.176
PCB-51 22'46'-TeCB	NotFnd		0.9364	-		0.00E+00		0.81	ND	1.43E+03	0.14
PCB-46 22'36'-TeCB	NotFnd		0.9450	-		0.00E+00		0.63	ND	1.43E+03	0.18
PCB-52 22'55'-TeCB	22.06	J	1.0010	1.0009	-0.1	7.39E+04	0.83	0.77	0.681	1.43E+03	0.147
PCB-73 23'5'6-TeCB	NotFnd		1.0066	-		0.00E+00		1.00	ND	1.43E+03	0.113
PCB-43 22'35-TeCB	NotFnd		1.0103	-		0.00E+00		0.67	ND	1.43E+03	0.168
PCB-69/49 23'46/22'45'-TeCB	22.48	J C	1.0192	1.0199	+0.9	3.44E+04	0.83	0.94	0.258	1.43E+03	0.12
PCB-48 22'45-TeCB	NotFnd		1.0310	-		0.00E+00		0.78	ND	1.43E+03	0.145
PCB-44/47/65 ...-TeCB	22.92	J C	1.0405	1.0395	-1.4	5.33E+04	0.80	0.82	0.458	1.43E+03	0.137
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0525	-		0.00E+00		1.06	ND	1.43E+03	0.107
PCB-42 22'34'-TeCB	NotFnd		1.0594	-		0.00E+00		0.73	ND	1.43E+03	0.155
PCB-41 22'34-TeCB	NotFnd		1.0737	-		0.00E+00		0.66	ND	1.43E+03	0.17
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0781	-		0.00E+00		0.79	ND	1.43E+03	0.142
PCB-64 234'6-TeCB	NotFnd		1.0870	-		0.00E+00		1.14	ND	1.43E+03	0.0996
PCB-72 23'55'-TeCB	NotFnd		0.8340	-		0.00E+00		0.92	ND	1.46E+03	0.125
PCB-68 23'45'-TeCB	NotFnd		0.8423	-		0.00E+00		1.06	ND	1.46E+03	0.109
PCB-57 233'5-TeCB	NotFnd		0.8542	-		0.00E+00		0.93	ND	1.46E+03	0.124
PCB-58 233'5'-TeCB	NotFnd		0.8607	-		0.00E+00		0.94	ND	1.46E+03	0.123
PCB-67 23'45-TeCB	NotFnd		0.8659	-		0.00E+00		0.98	ND	1.46E+03	0.117
PCB-63 234'5-TeCB	NotFnd		0.8733	-		0.00E+00		1.04	ND	1.46E+03	0.11
PCB-61/70/74/76 ...-TeCB	26.16	J C	0.8826	0.8829	+0.5	9.19E+04	0.81	0.98	0.665	1.46E+03	0.118
PCB-66 23'44'-TeCB	26.42	J	0.8920	0.8917	-0.5	3.75E+04	0.72	0.94	0.283	1.46E+03	0.123
PCB-55 233'4-TeCB	NotFnd		0.8964	-		0.00E+00		0.90	ND	1.46E+03	0.127
PCB-56 233'4'-TeCB	26.99	J EMPC	0.9107	0.9111	+0.6	2.27E+04	0.63	0.89	0.18	1.46E+03	0.129
PCB-60 2344'-TeCB	NotFnd		0.9170	-		0.00E+00		0.95	ND	1.46E+03	0.121
PCB-80 33'55'-TeCB	NotFnd		0.9294	-		0.00E+00		1.07	ND	1.46E+03	0.107
PCB-79 33'45'-TeCB	NotFnd		0.9724	-		0.00E+00		1.07	ND	1.46E+03	0.108
PCB-78 33'45-TeCB	NotFnd		0.9882	-		0.00E+00		0.93	ND	1.46E+03	0.123
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.25	ND	1.33E+03	0.101
PCB-96 22'366'-PeCB	NotFnd		1.0138	-		0.00E+00		0.99	ND	1.33E+03	0.128
PCB-103 22'45'6-PeCB	NotFnd		0.8917	-		0.00E+00		0.85	ND	1.48E+03	0.157
PCB-94 22'356'-PeCB	NotFnd		0.8979	-		0.00E+00		0.73	ND	1.48E+03	0.182

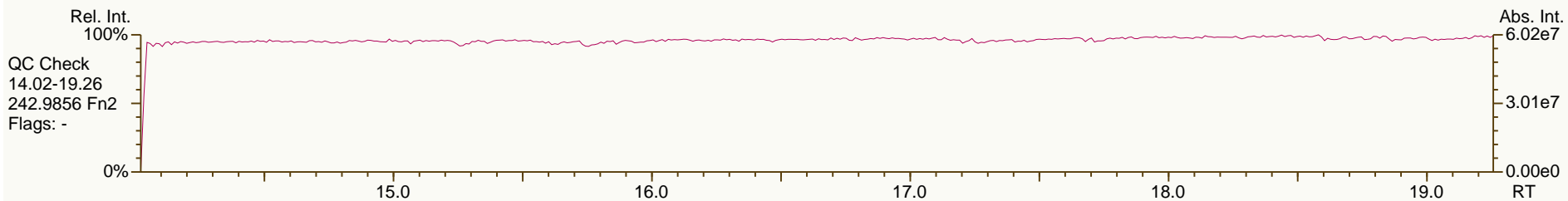
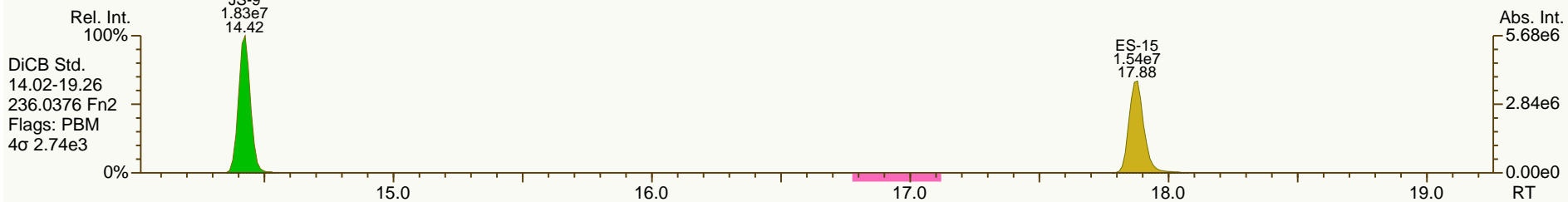
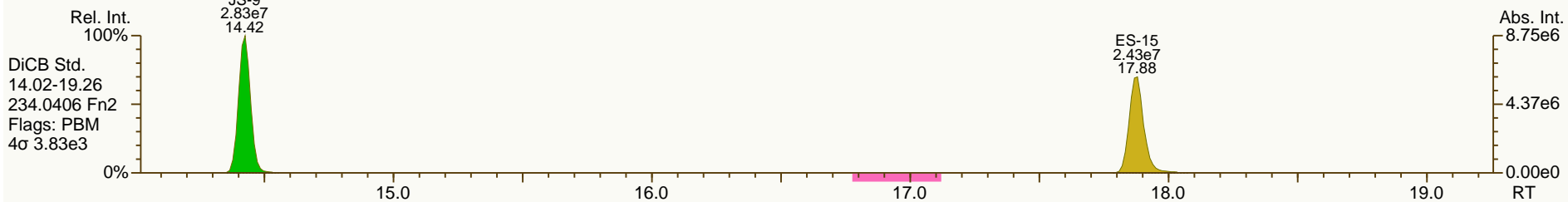
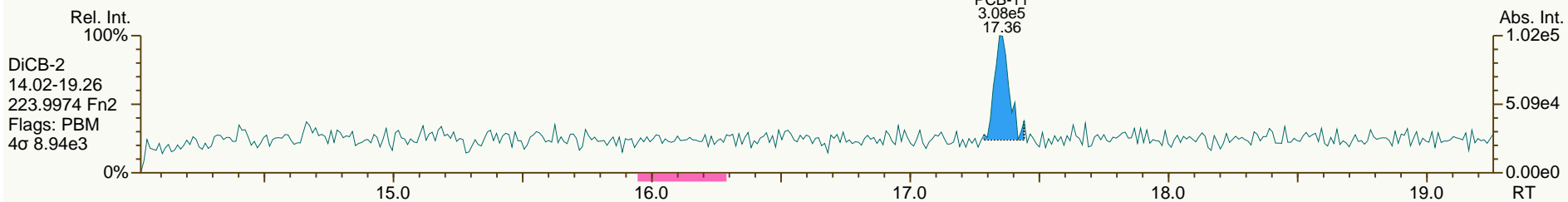
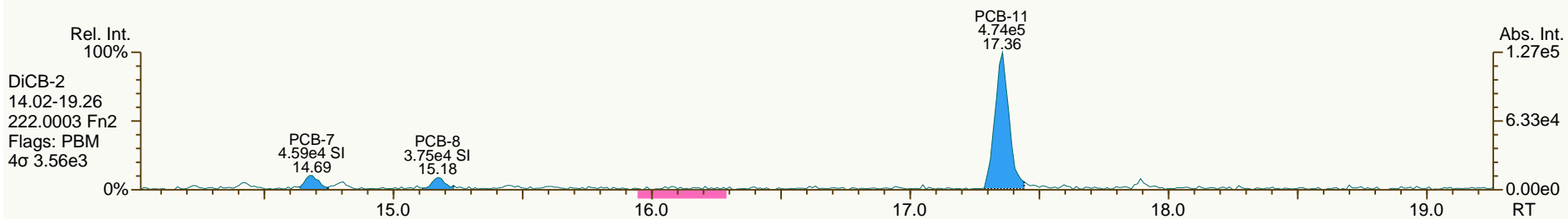
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	25.39	J	0.9112	0.9111	-0.2	7.96E+04	0.61	0.79	0.803	1.48E+03	0.17
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9186	-		0.00E+00		0.81	ND	1.48E+03	0.164
PCB-102 22'456'-PeCB	NotFnd		0.9224	-		0.00E+00		0.81	ND	1.48E+03	0.165
PCB-98 22'34'6'-PeCB	NotFnd		0.9248	-		0.00E+00		0.76	ND	1.48E+03	0.176
PCB-88 22'346-PeCB	NotFnd		0.9349	-		0.00E+00		0.62	ND	1.48E+03	0.217
PCB-91 22'34'6-PeCB	NotFnd		0.9374	-		0.00E+00		0.83	ND	1.48E+03	0.16
PCB-84 22'33'6-PeCB	NotFnd		0.9438	-		0.00E+00		0.68	ND	1.48E+03	0.198
PCB-89 22'346'-PeCB	NotFnd		0.9584	-		0.00E+00		0.72	ND	1.48E+03	0.186
PCB-121 23'45'6-PeCB	NotFnd		0.9722	-		0.00E+00		1.10	ND	1.48E+03	0.122
PCB-92 22'355'-PeCB	27.39	J EMPC	0.9830	0.9828	-0.3	1.89E+04	0.82	0.76	0.196	1.48E+03	0.175
PCB-113/90/101 ...-PeCB	27.89	J C	0.9999	1.0008	+1.5	1.30E+05	0.63	0.90	1.14	1.48E+03	0.148
PCB-83 22'33'5-PeCB	NotFnd		1.0147	-		0.00E+00		0.64	ND	1.48E+03	0.209
PCB-99 22'44'5-PeCB	28.37	J	1.0184	1.0183	-0.2	4.79E+04	0.68	0.89	0.425	1.48E+03	0.15
PCB-112 233'56-PeCB	NotFnd		1.0217	-		0.00E+00		1.06	ND	1.48E+03	0.126
PCB-108/119/86/97/125...-PeCB	28.84	J C	1.0338	1.0348	+1.7	9.28E+04	0.58	0.92	0.802	1.48E+03	0.146
PCB-117 234'56-PeCB	NotFnd		1.0525	-		0.00E+00		0.84	ND	1.48E+03	0.16
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0552	-		0.00E+00		1.02	ND	1.48E+03	0.131
PCB-110 233'4'6-PeCB	29.53		1.0598	1.0599	+0.2	1.46E+05	0.71	1.10	1.05	1.48E+03	0.122
PCB-115 2344'6-PeCB	NotFnd		1.0628	-		0.00E+00		1.02	ND	1.48E+03	0.13
PCB-82 22'33'4-PeCB	NotFnd		1.0691	-		0.00E+00		0.67	ND	1.48E+03	0.199
PCB-111 233'55'-PeCB	NotFnd		1.0821	-		0.00E+00		1.13	ND	1.48E+03	0.118
PCB-120 23'455'-PeCB	NotFnd		1.0960	-		0.00E+00		1.14	ND	1.48E+03	0.117
PCB-107/124 ...-PeCB	NotFnd	C	0.9911	-		0.00E+00		1.06	ND	1.48E+03	0.126
PCB-109 233'46-PeCB	NotFnd		0.9975	-		0.00E+00		1.13	ND	1.48E+03	0.118
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.04	ND	1.48E+03	0.129
PCB-122 233'4'5'-PeCB	NotFnd		1.0093	-		0.00E+00		0.99	ND	1.48E+03	0.127
PCB-127 33'455'-PeCB	NotFnd		1.0387	-		0.00E+00		1.09	ND	1.48E+03	0.114
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	1.18E+03	0.0922
PCB-152 22'3566'-HxCB	NotFnd		1.0056	-		0.00E+00		0.98	ND	1.18E+03	0.103
PCB-150 22'34'66'-HxCB	NotFnd		1.0110	-		0.00E+00		1.01	ND	1.18E+03	0.0997
PCB-136 22'33'66'-HxCB	28.28	J	1.0213	1.0213	0	2.64E+04	1.17	0.93	0.222	1.18E+03	0.108
PCB-145 22'3466'-HxCB	NotFnd		1.0309	-		0.00E+00		0.95	ND	1.18E+03	0.105
PCB-148 22'34'56'-HxCB	NotFnd		1.0773	-		0.00E+00		0.74	ND	1.18E+03	0.135
PCB-151/135 ...-HxCB	30.32	J C	1.0954	1.0950	-0.7	5.81E+04	1.23	0.72	0.627	1.18E+03	0.139
PCB-154 22'44'56'-HxCB	NotFnd		1.1031	-		0.00E+00		0.82	ND	1.18E+03	0.122
PCB-144 22'345'6-HxCB	NotFnd		1.1121	-		0.00E+00		0.75	ND	1.18E+03	0.134
PCB-147/149 ...-HxCB	31.09	J C	1.1228	1.1228	0	1.46E+05	1.39	0.75	1.53	1.18E+03	0.135
PCB-134 22'33'56-HxCB	NotFnd		1.1284	-		0.00E+00		0.59	ND	1.18E+03	0.169
PCB-143 22'3456'-HxCB	NotFnd		1.1313	-		0.00E+00		0.73	ND	1.18E+03	0.138
PCB-139/140 ...-HxCB	NotFnd	C	1.1411	-		0.00E+00		0.76	ND	1.18E+03	0.132
PCB-131 22'33'46-HxCB	NotFnd		1.1468	-		0.00E+00		0.65	ND	1.18E+03	0.154
PCB-142 22'3456-HxCB	NotFnd		1.1516	-		0.00E+00		0.67	ND	1.18E+03	0.151
PCB-132 22'33'46'-HxCB	32.13	J	1.1602	1.1603	+0.2	5.75E+04	1.35	0.67	0.668	1.18E+03	0.15
PCB-133 22'33'55'-HxCB	NotFnd		1.1763	-		0.00E+00		0.70	ND	1.18E+03	0.144
PCB-165 233'55'6-HxCB	NotFnd		0.9500	-		0.00E+00		0.87	ND	1.18E+03	0.116
PCB-146 22'34'55'-HxCB	NotFnd		0.9560	-		0.00E+00		0.78	ND	1.18E+03	0.13
PCB-161 233'45'6-HxCB	NotFnd		0.9593	-		0.00E+00		0.96	ND	1.18E+03	0.105
PCB-153/168 ...-HxCB	33.64	J C	0.9715	0.9709	-1.2	2.06E+05	1.27	0.93	1.73	1.18E+03	0.108

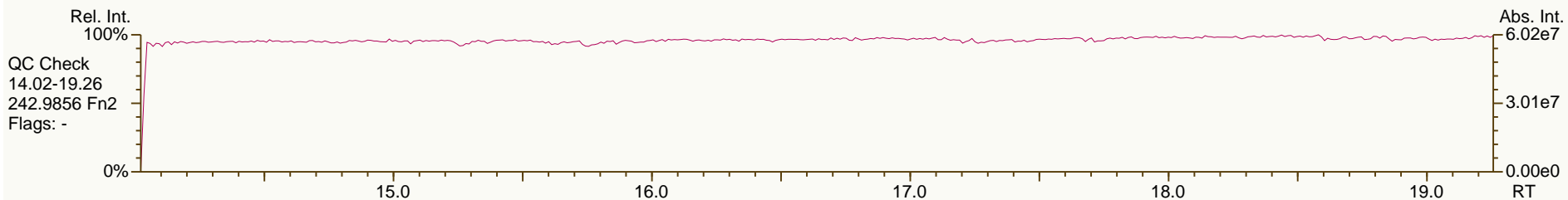
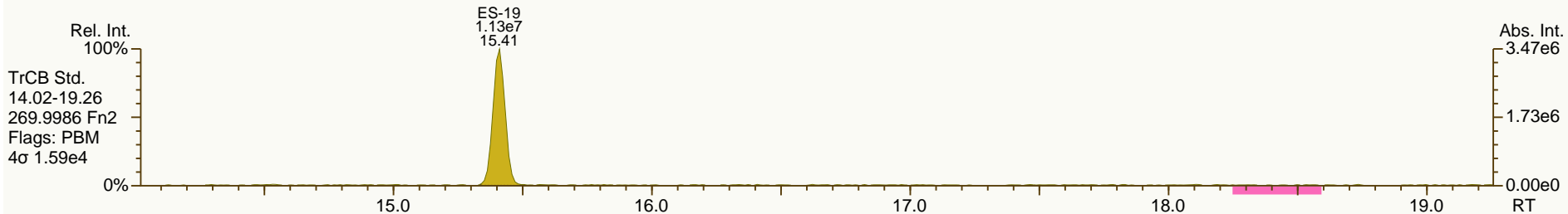
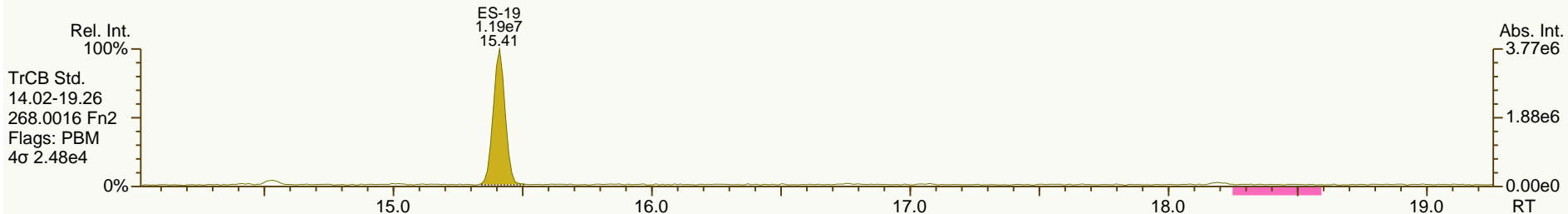
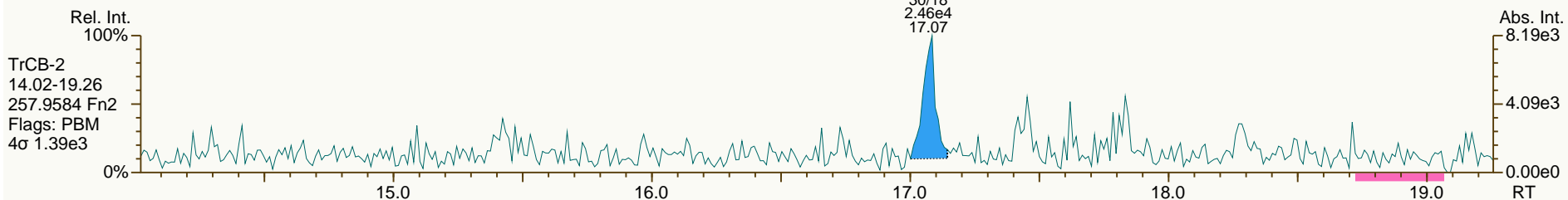
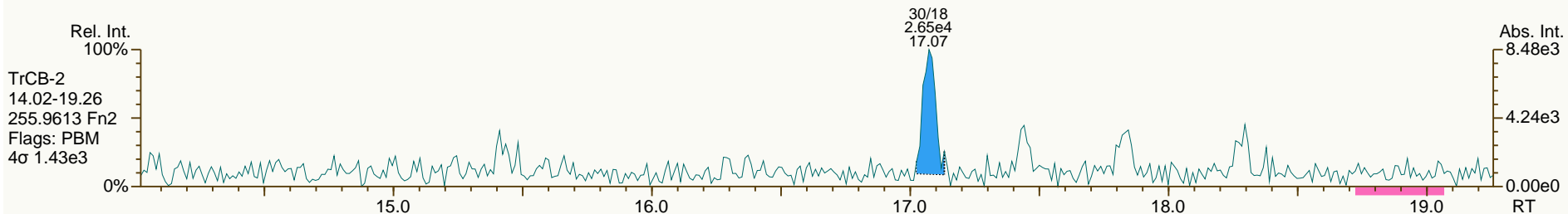
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	33.78	J	0.9753	0.9751	-0.4	4.64E+04	1.37	0.73	0.494	1.18E+03	0.137
PCB-130 22'33'45'-HxCB	NotFnd		0.9850	-		0.00E+00		0.64	ND	1.18E+03	0.158
PCB-137 22'344'5'-HxCB	NotFnd		0.9906	-		0.00E+00		0.69	ND	1.18E+03	0.145
PCB-164 233'4'5'6'-HxCB	NotFnd		0.9931	-		0.00E+00		0.90	ND	1.18E+03	0.111
PCB-163/138/129 ...-HxCB	34.67	J C	1.0012	1.0007	-1.0	2.06E+05	1.14	0.77	2.1	1.18E+03	0.131
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		0.90	ND	1.18E+03	0.111
PCB-158 233'44'6'-HxCB	35.00	J	1.0103	1.0103	0	2.67E+04	1.14	0.99	0.21	1.18E+03	0.101
PCB-128/166 ...-HxCB	35.73	J C	0.9607	0.9609	+0.4	2.24E+04	1.07	0.85	0.196	1.25E+03	0.118
PCB-159 233'455'-HxCB	NotFnd		0.9835	-		0.00E+00		1.01	ND	1.25E+03	0.1
PCB-162 233'4'55'-HxCB	NotFnd		0.9899	-		0.00E+00		1.05	ND	1.25E+03	0.0958
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		1.03	ND	8.55E+02	0.099
PCB-179 22'33'566'-HpCB	32.77	J	1.0088	1.0089	+0.2	2.58E+04	1.12	0.99	0.281	8.55E+02	0.103
PCB-184 22'344'66'-HpCB	NotFnd		1.0231	-		0.00E+00		0.96	ND	8.55E+02	0.106
PCB-176 22'33'466'-HpCB	NotFnd		1.0316	-		0.00E+00		1.07	ND	8.55E+02	0.0957
PCB-186 22'34566'-HpCB	NotFnd		1.0433	-		0.00E+00		1.00	ND	8.55E+02	0.102
PCB-178 22'33'55'6'-HpCB	NotFnd		1.0790	-		0.00E+00		0.73	ND	8.55E+02	0.14
PCB-175 22'33'45'6'-HpCB	NotFnd		1.0955	-		0.00E+00		0.94	ND	1.44E+03	0.184
PCB-187 22'34'55'6'-HpCB	35.82	J	1.1024	1.1027	+0.6	8.48E+04	1.07	1.00	0.918	1.44E+03	0.172
PCB-182 22'344'56'-HpCB	NotFnd		1.1077	-		0.00E+00		1.03	ND	1.44E+03	0.167
PCB-183 22'344'5'6'-HpCB	36.34	J	1.1182	1.1187	+1.1	4.36E+04	1.17	1.06	0.444	1.44E+03	0.162
PCB-185 22'3455'6'-HpCB	NotFnd		1.1205	-		0.00E+00		0.98	ND	1.44E+03	0.176
PCB-174 22'33'456'-HpCB	36.51	J	1.1238	1.1241	+0.7	7.73E+04	1.07	0.87	0.963	1.44E+03	0.198
PCB-177 22'33'45'6'-HpCB	36.88	J	1.1351	1.1352	+0.2	3.39E+04	1.13	0.86	0.425	1.44E+03	0.2
PCB-181 22'344'56-HpCB	NotFnd		1.1457	-		0.00E+00		0.99	ND	1.44E+03	0.174
PCB-171/173 ...-HpCB	NotFnd	C	1.1510	-		0.00E+00		0.87	ND	1.44E+03	0.197
PCB-172 22'33'455'-HpCB	NotFnd		0.9027	-		0.00E+00		0.79	ND	1.44E+03	0.181
PCB-192 233'455'6'-HpCB	NotFnd		0.9084	-		0.00E+00		1.03	ND	1.44E+03	0.139
PCB-180/193 ...-HpCB	39.32	J C	0.9147	0.9153	+1.4	1.68E+05	1.11	0.90	1.59	1.44E+03	0.158
PCB-191 233'44'5'6'-HpCB	NotFnd		0.9222	-		0.00E+00		1.07	ND	1.44E+03	0.134
PCB-170 22'33'44'5'-HpCB	40.36	J	0.9396	0.9395	-0.2	6.14E+04	0.92	0.72	0.727	1.44E+03	0.197
PCB-190 233'44'56-HpCB	NotFnd		0.9500	-		0.00E+00		1.04	ND	1.44E+03	0.137
PCB-202 22'33'55'66'-OoCB	NotFnd		1.0006	-		0.00E+00		0.91	ND	8.27E+02	0.116
PCB-201 22'33'45'66'-OoCB	NotFnd		1.0215	-		0.00E+00		1.02	ND	8.27E+02	0.104
PCB-204 22'344'566'-OoCB	NotFnd		1.0369	-		0.00E+00		0.96	ND	8.27E+02	0.111
PCB-197 22'33'44'66'-OoCB	NotFnd		1.0420	-		0.00E+00		1.06	ND	8.27E+02	0.101
PCB-200 22'33'4566'-OoCB	NotFnd		1.0441	-		0.00E+00		0.96	ND	8.27E+02	0.111
PCB-198/199 ...-OoCB	NotFnd	C	1.1071	-		0.00E+00		0.70	ND	8.27E+02	0.152
PCB-196 22'33'44'56'-OoCB	NotFnd		1.1224	-		0.00E+00		0.71	ND	8.27E+02	0.149
PCB-203 22'344'55'6'-OoCB	NotFnd		1.1270	-		0.00E+00		0.76	ND	8.27E+02	0.141
PCB-195 22'33'44'56-OoCB	42.77	J	0.9483	0.9483	0	1.43E+04	0.83	0.74	0.181	9.34E+02	0.131
PCB-194 22'33'44'55'-OoCB	44.72	J	0.9917	0.9915	-0.5	3.93E+04	0.95	0.80	0.463	9.34E+02	0.122
PCB-205 233'44'55'6'-OoCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	9.34E+02	0.0898
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		1.02	ND	1.14E+03	0.136
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0188	-		0.00E+00		0.92	ND	1.14E+03	0.15
PCB-206 22'33'44'55'6'-NoCB	NotFnd		1.0004	-		0.00E+00		0.98	ND	1.14E+03	0.177

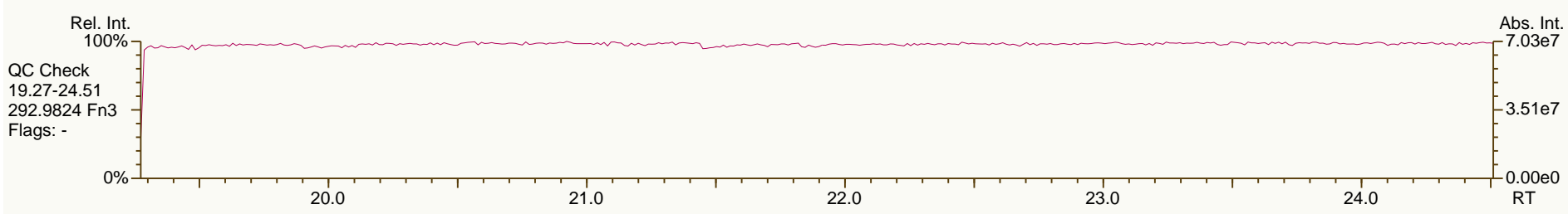
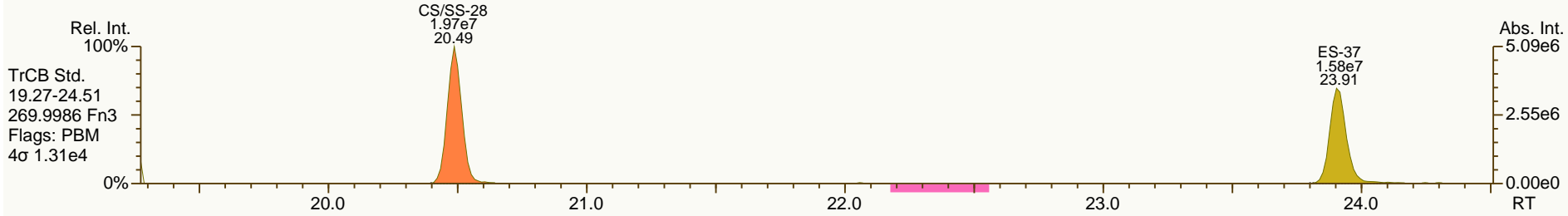
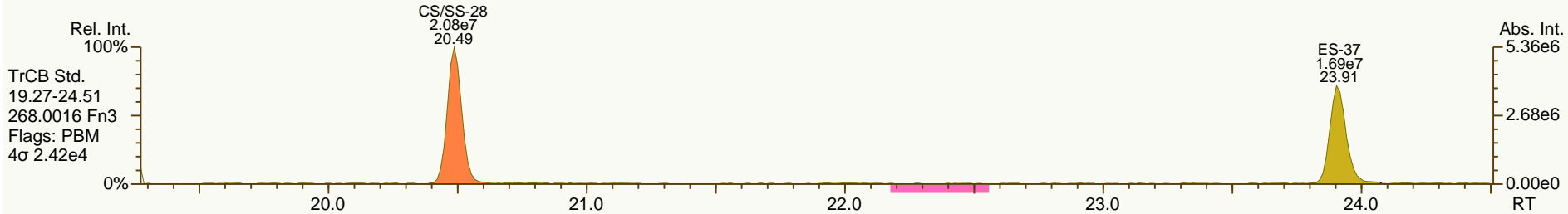
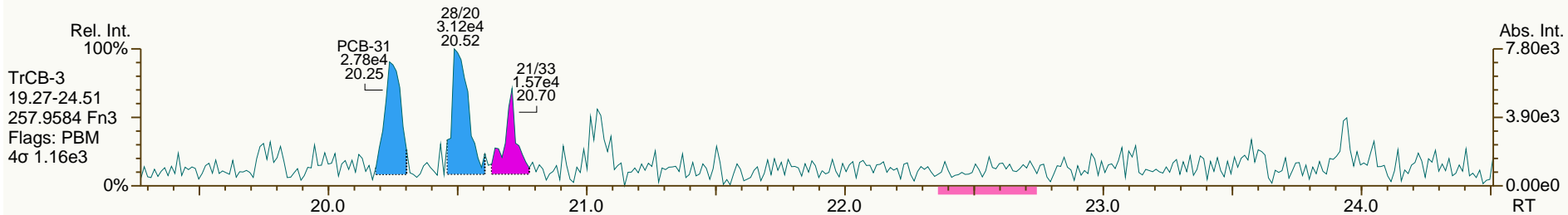
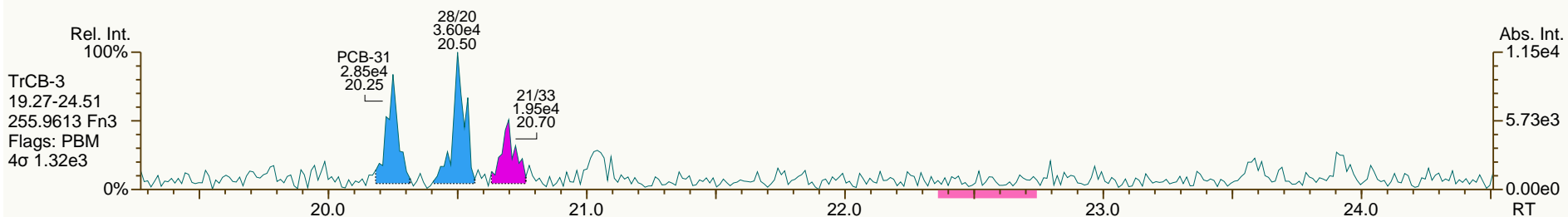


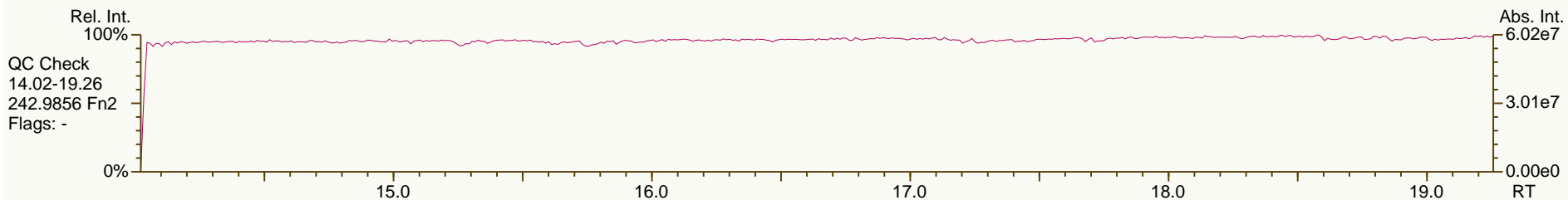
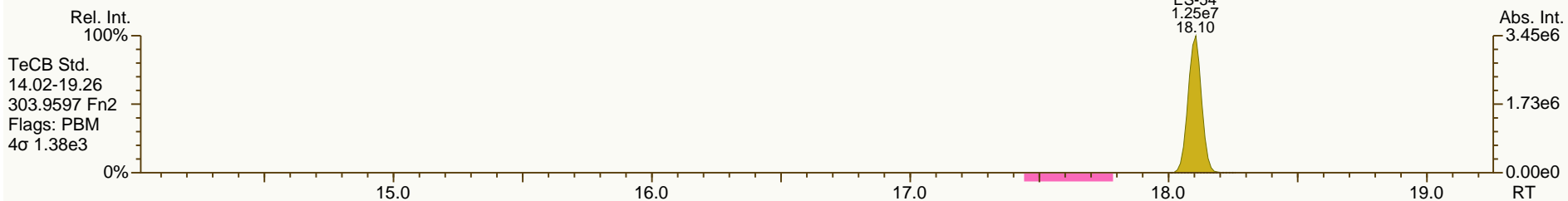
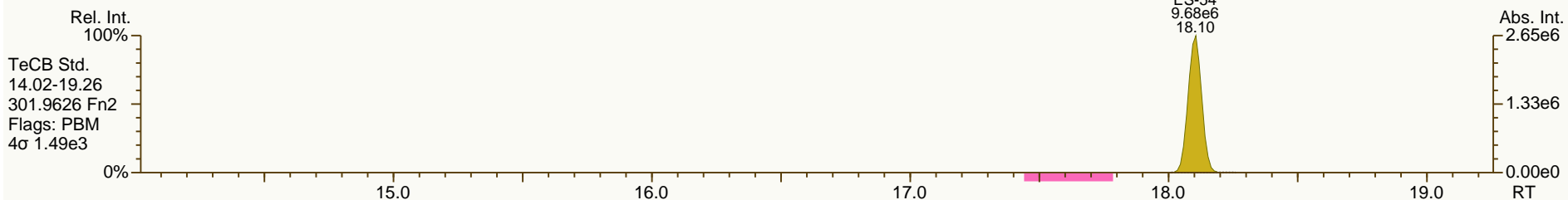
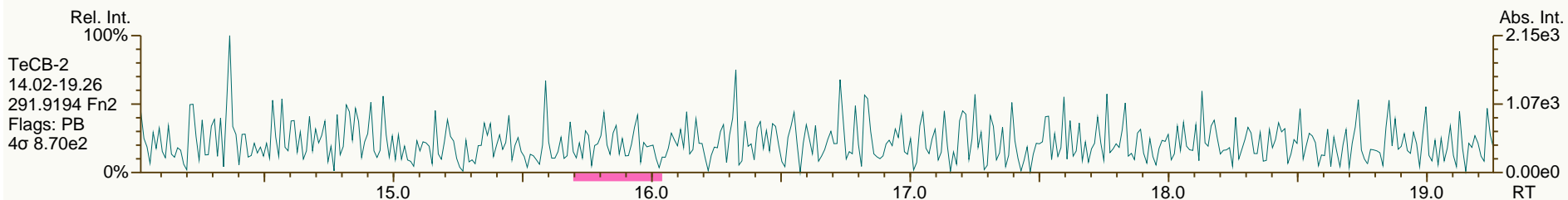
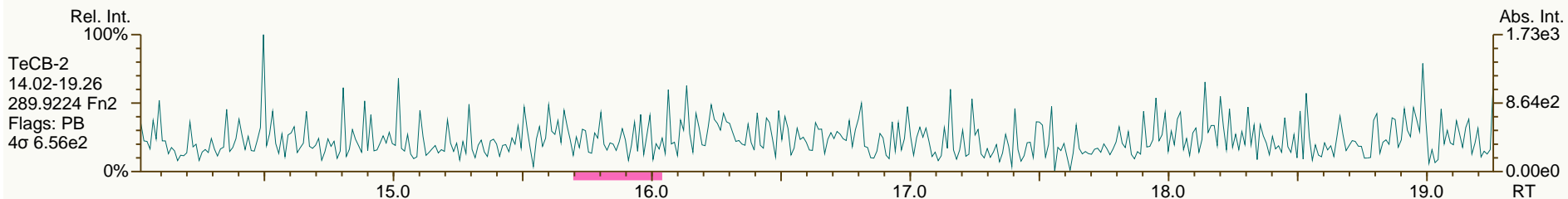


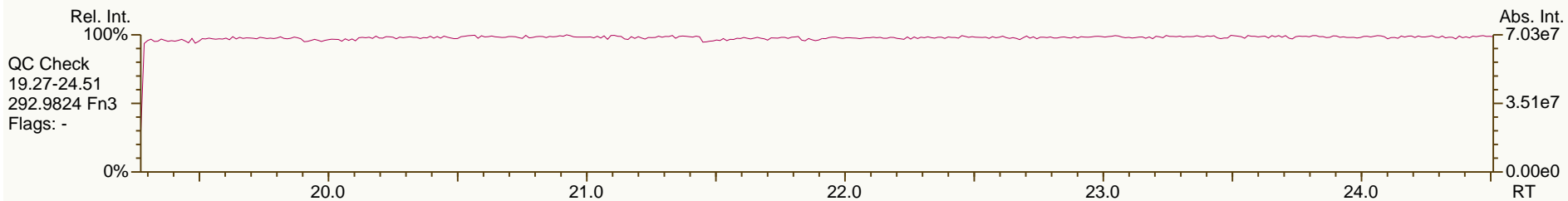
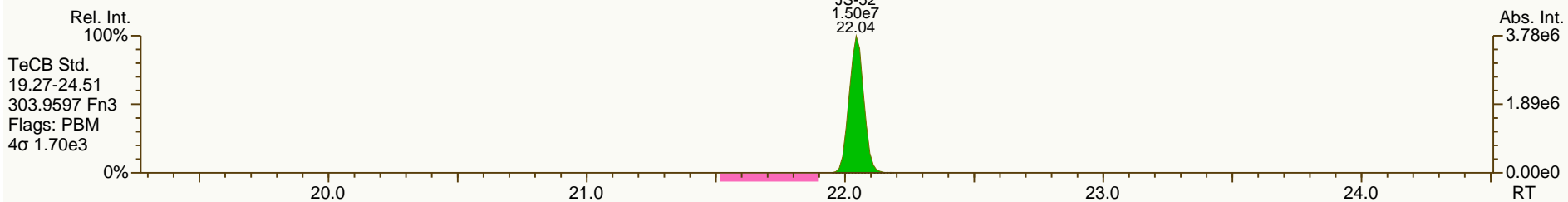
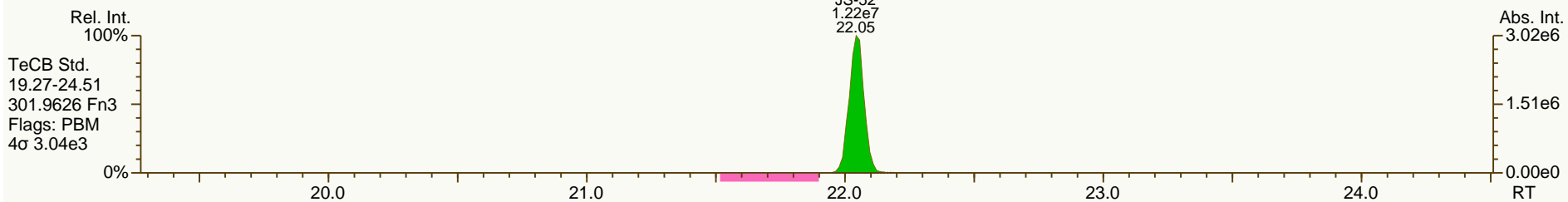
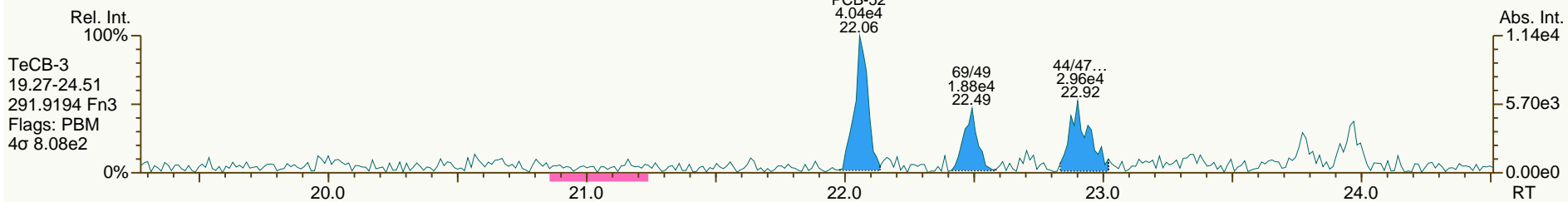
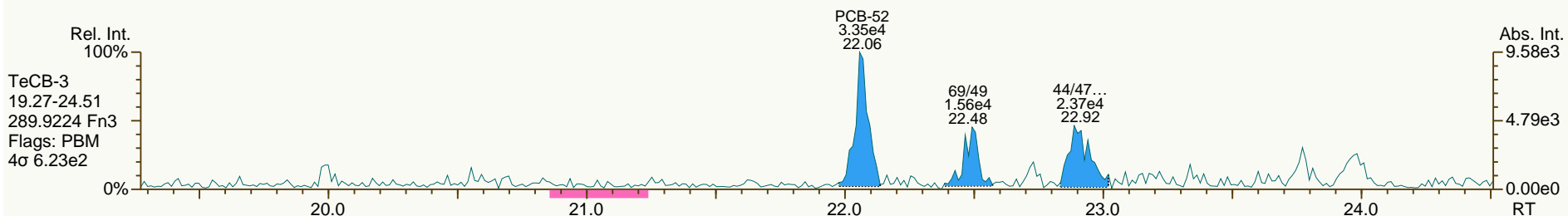


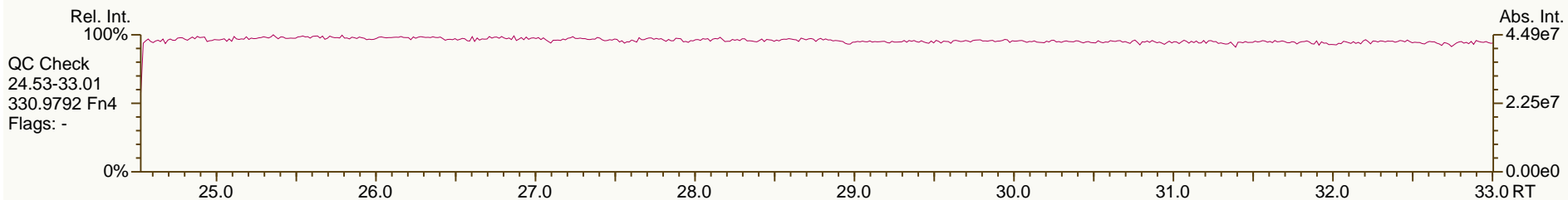
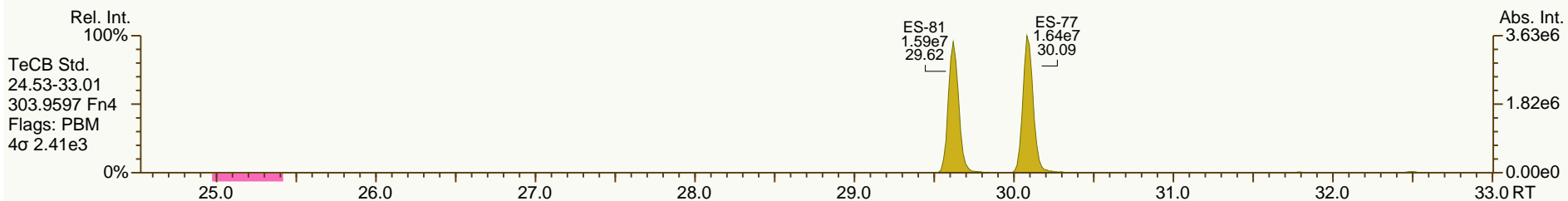
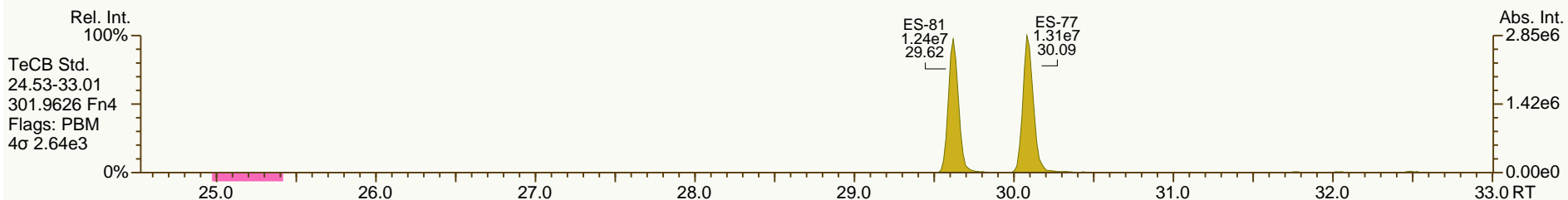
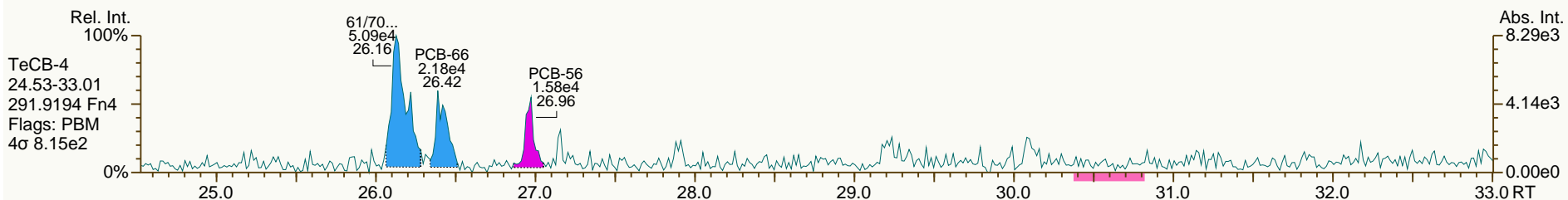
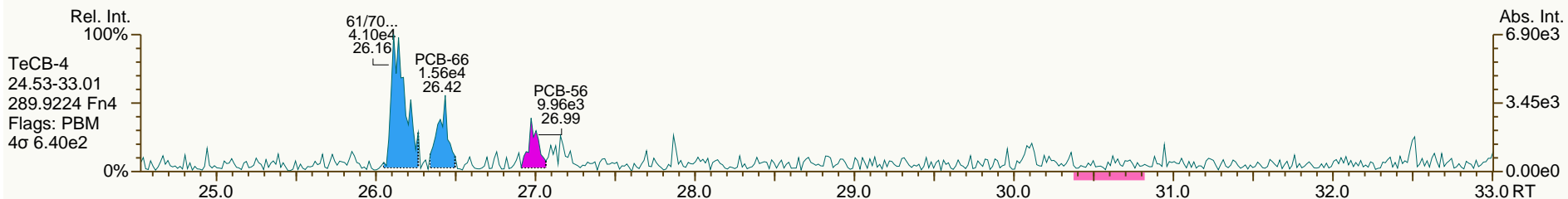




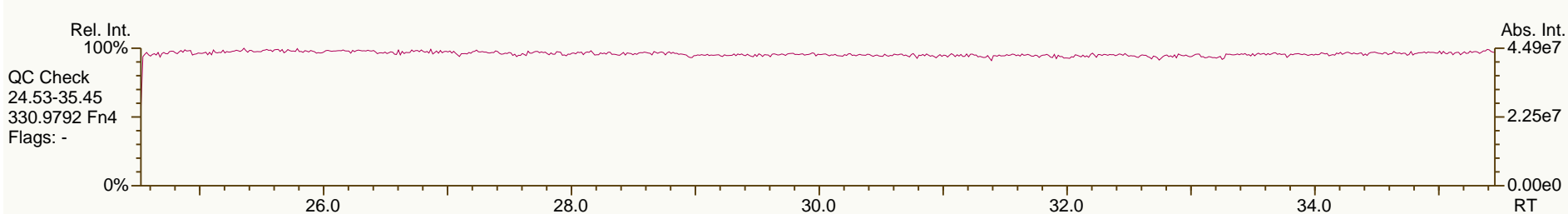
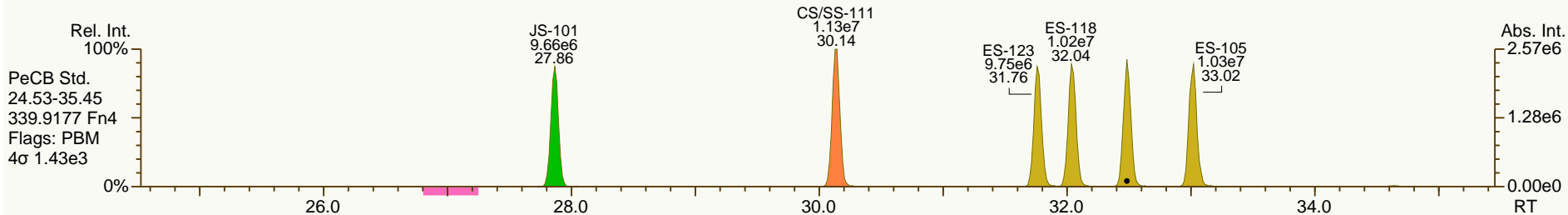
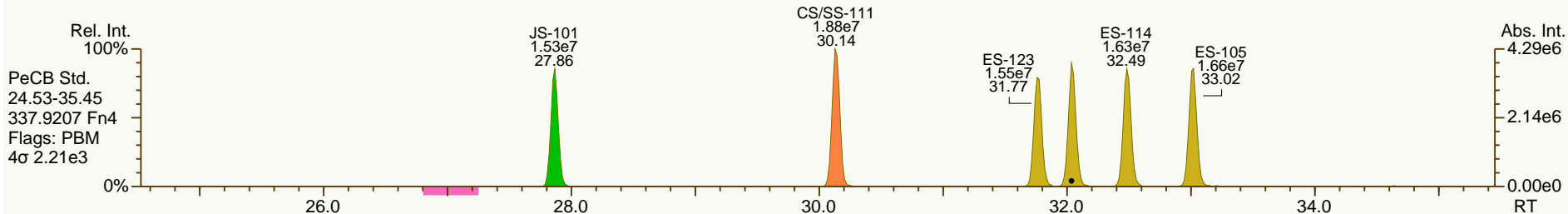
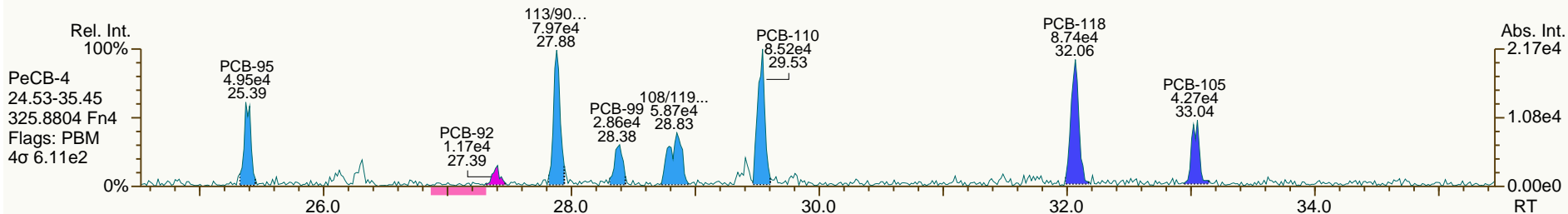
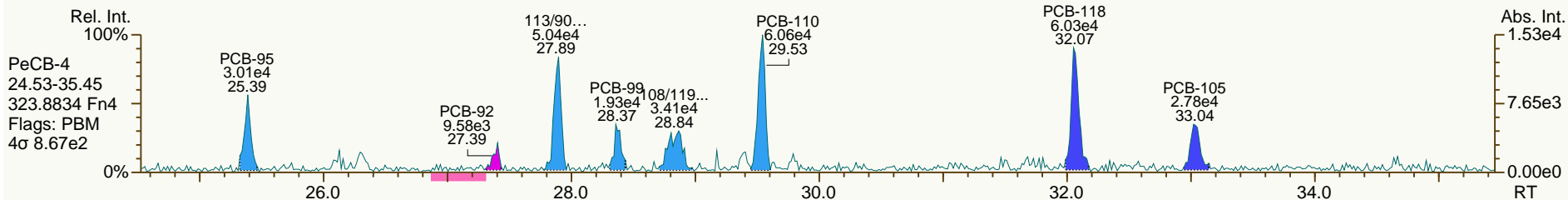


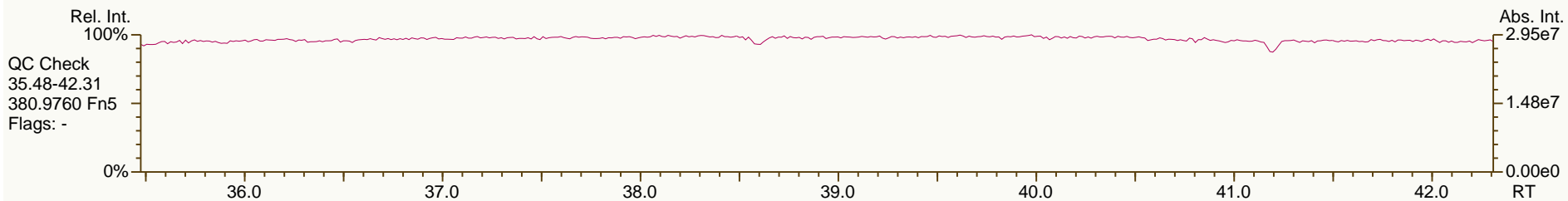
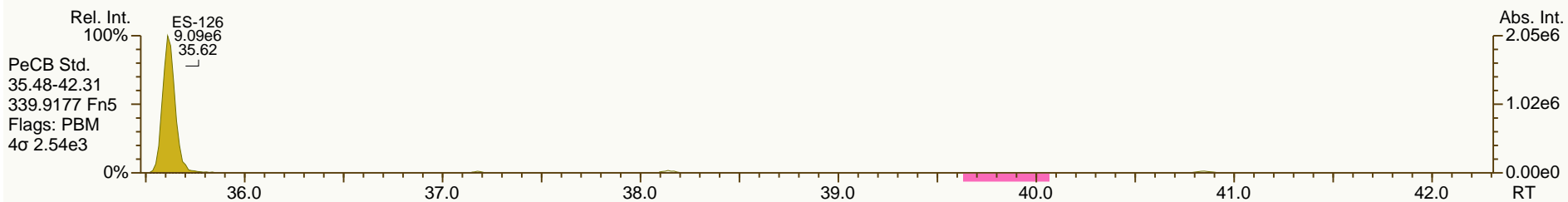
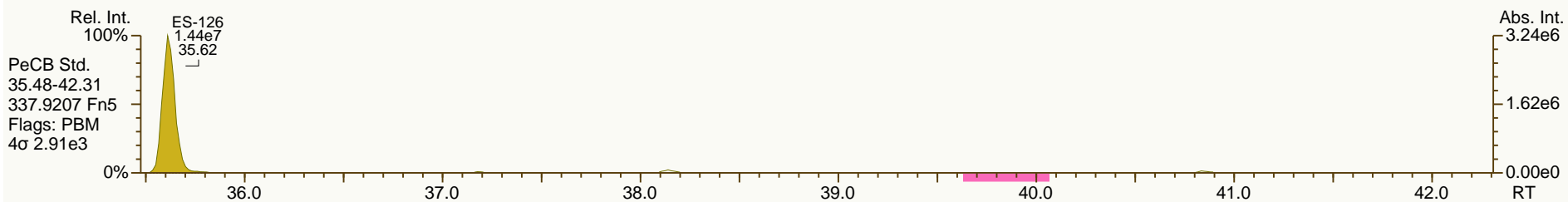
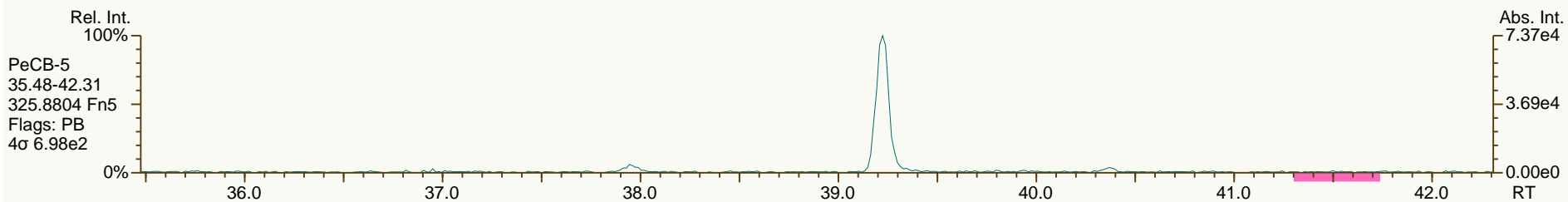
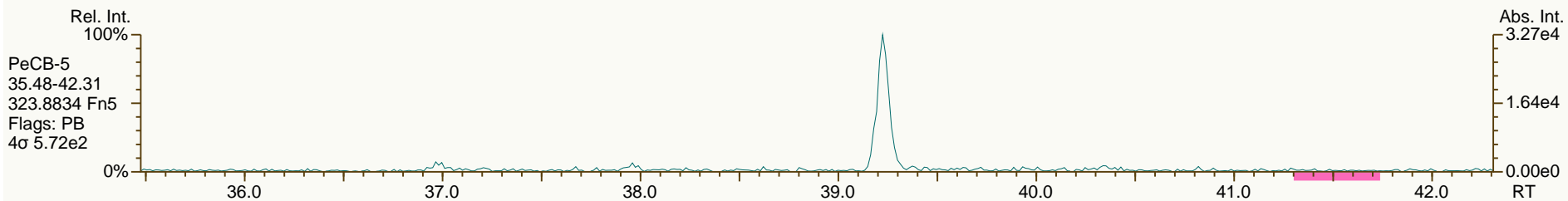


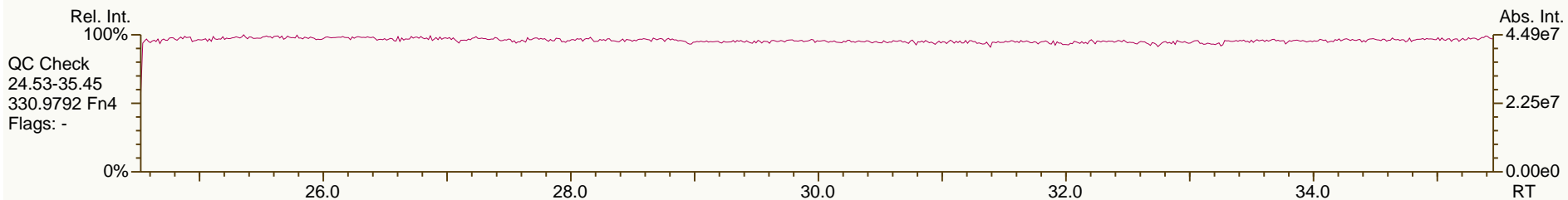
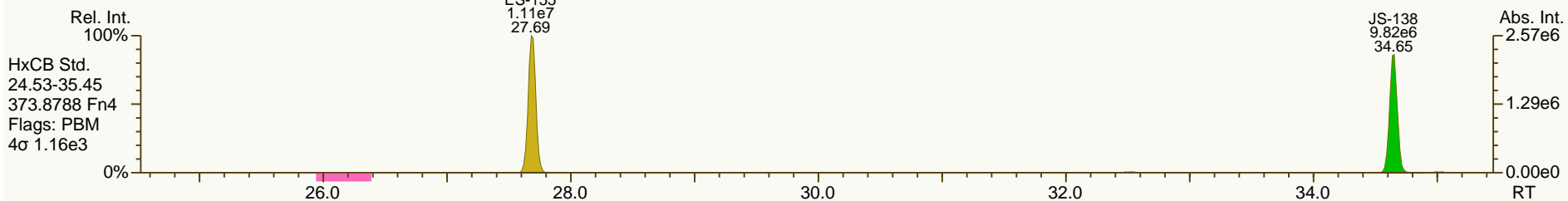
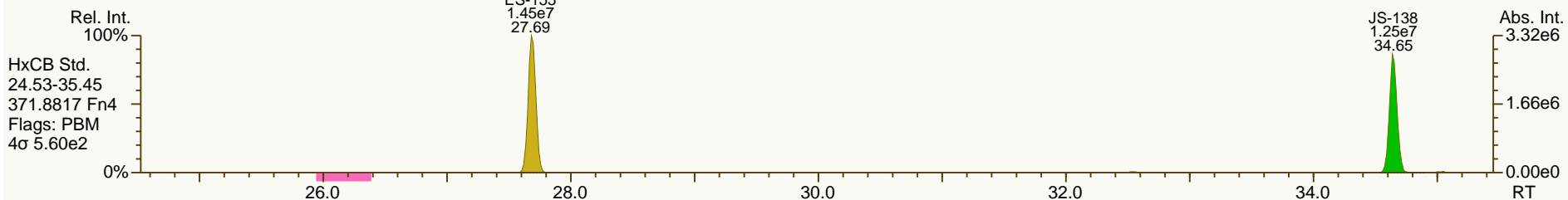
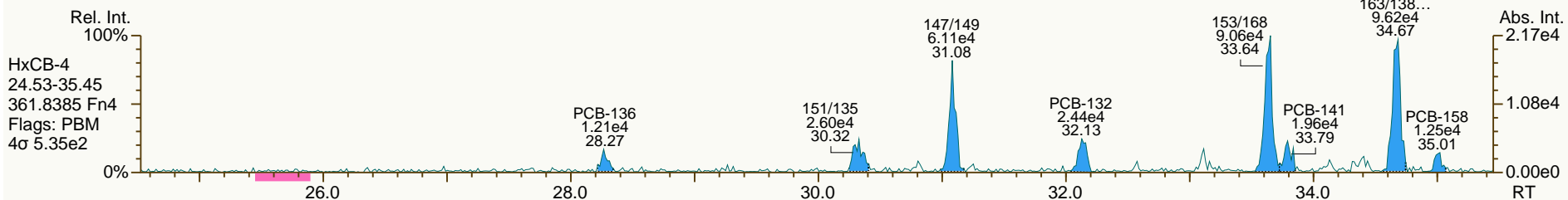
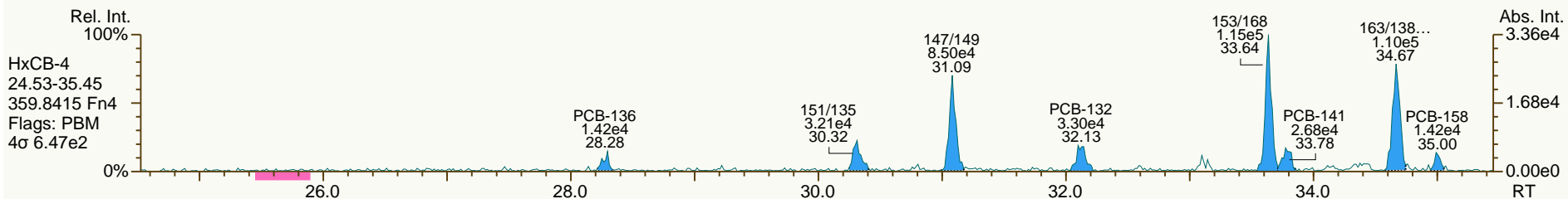


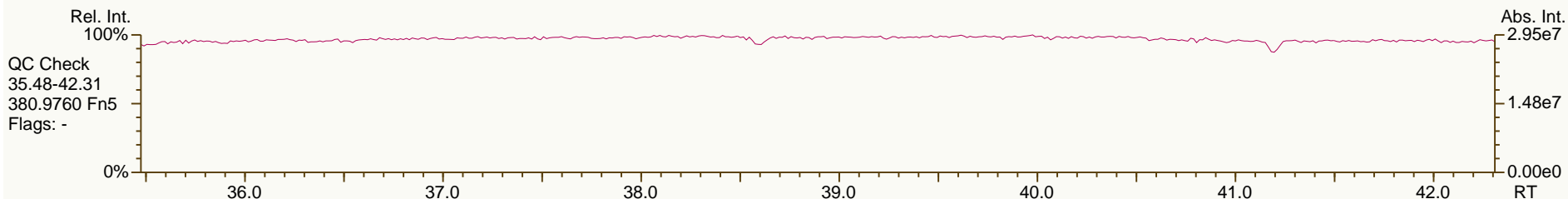
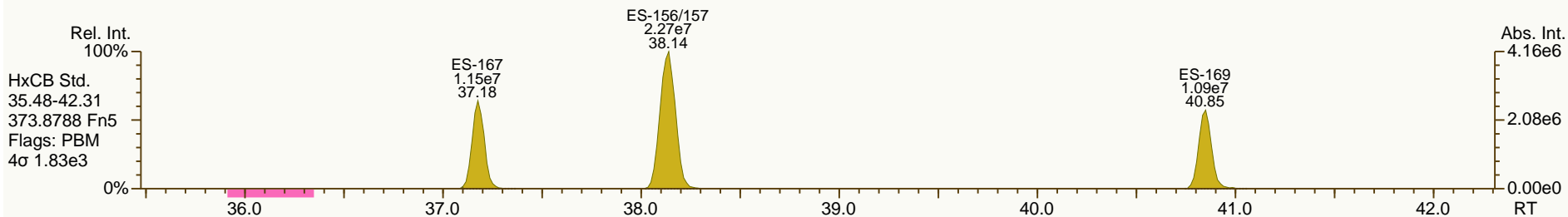
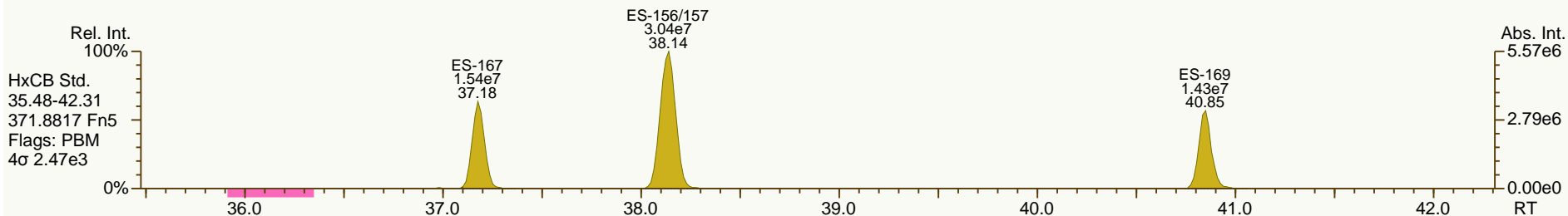
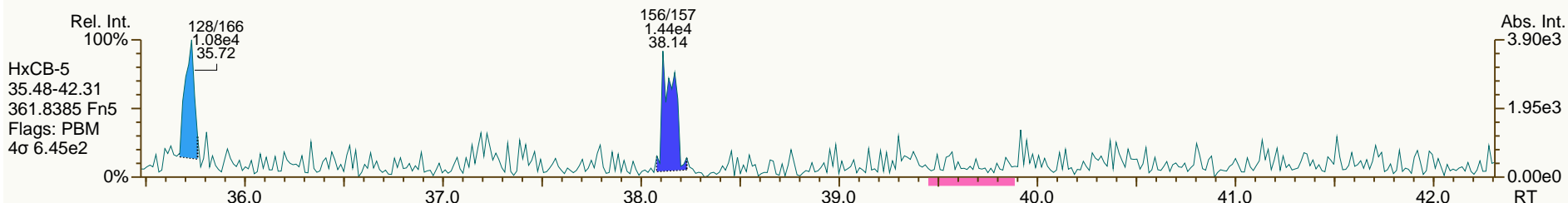
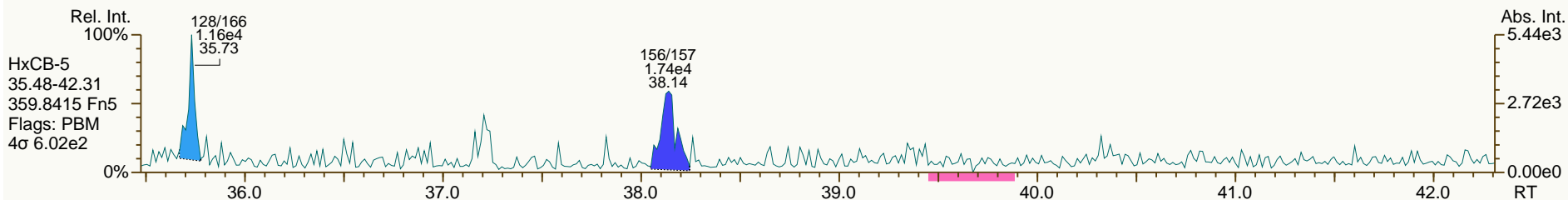


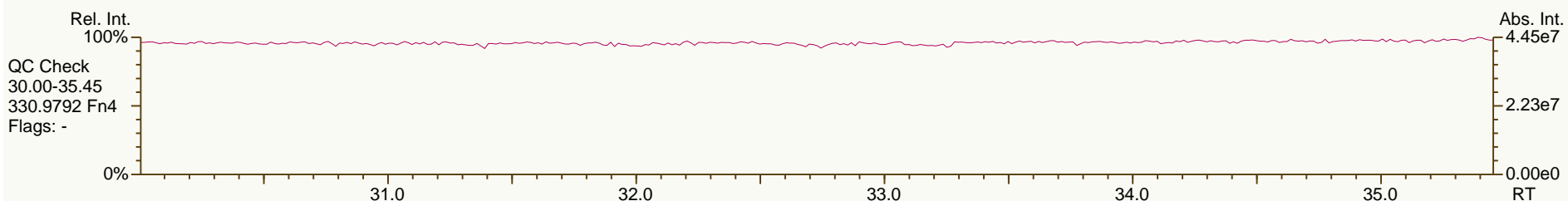
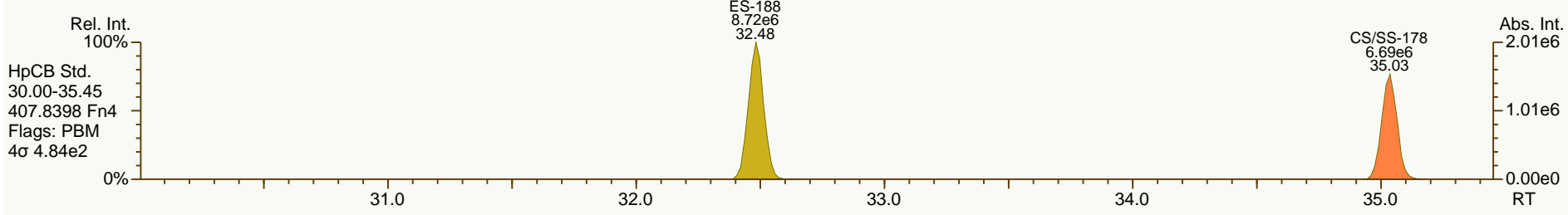
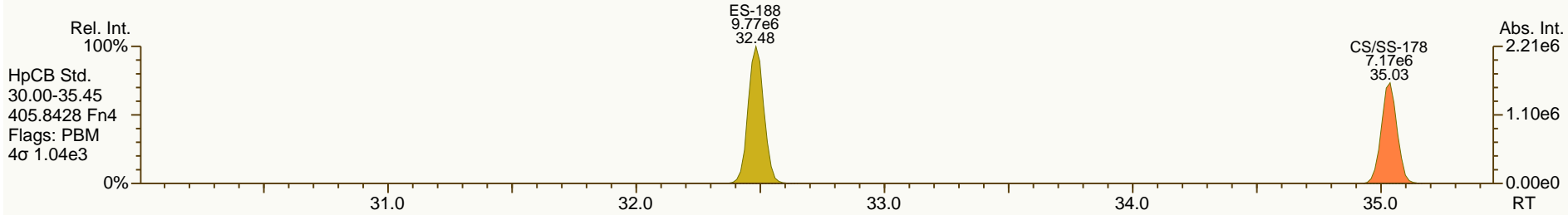
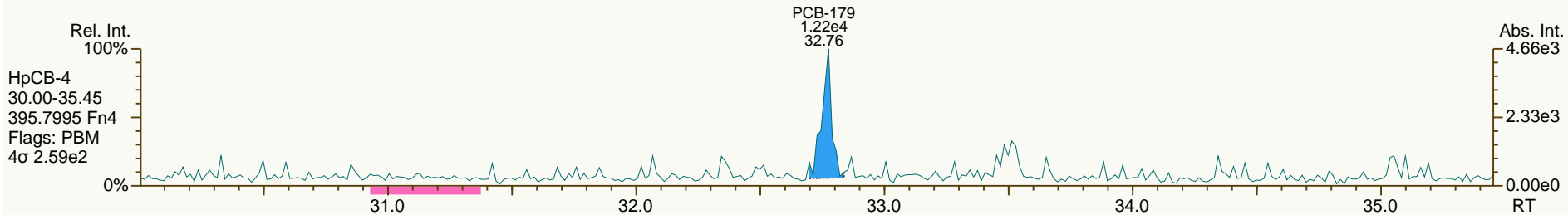
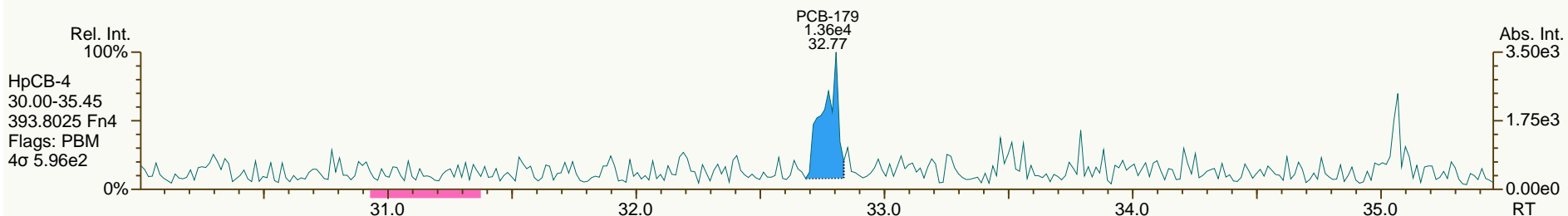


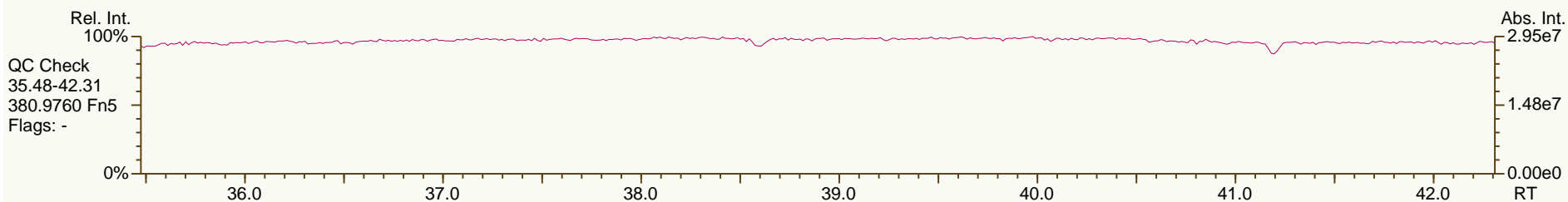
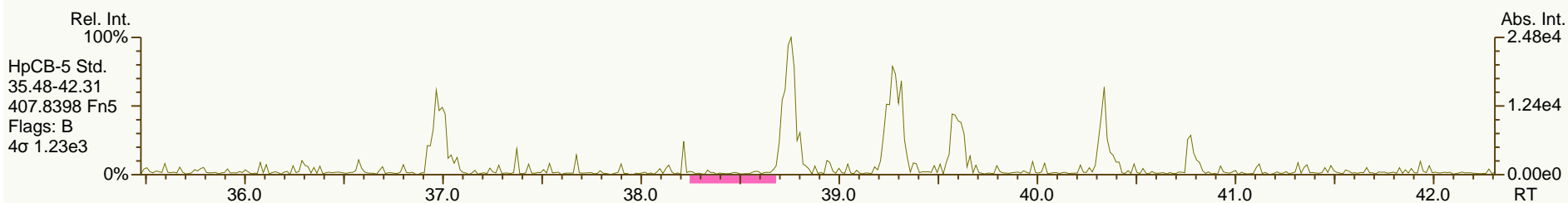
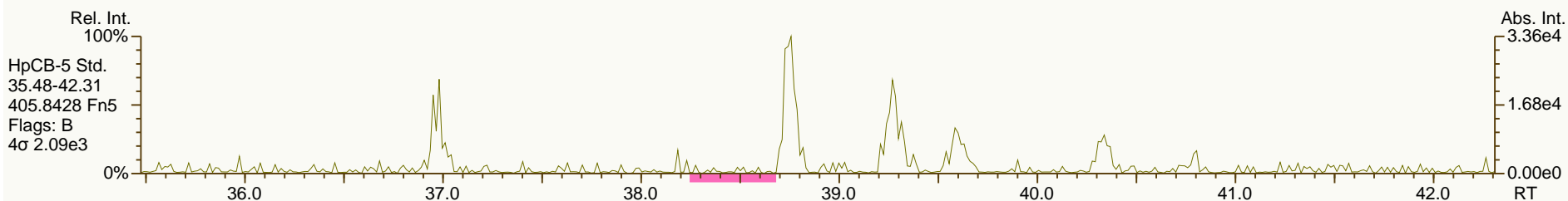
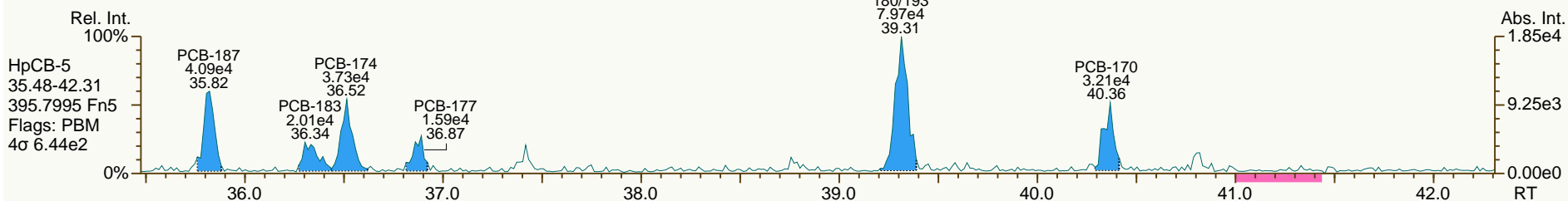
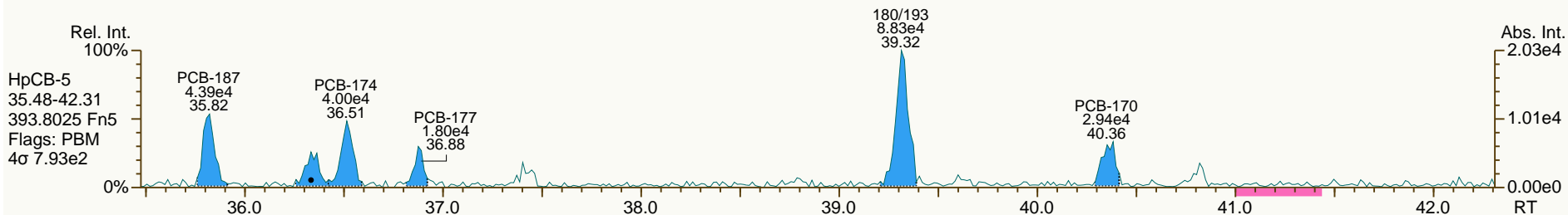


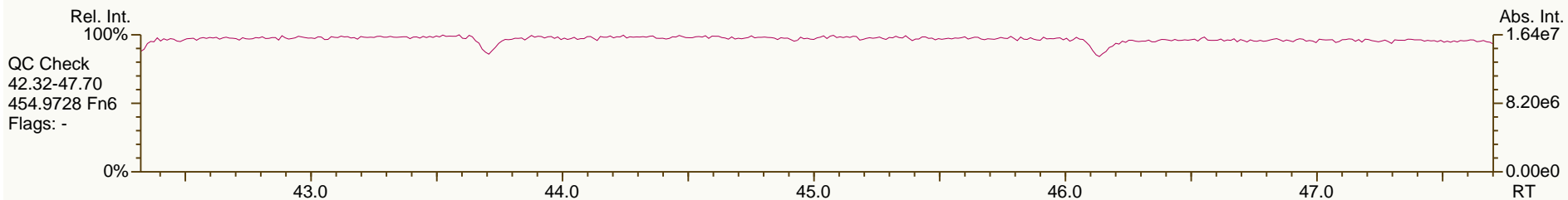
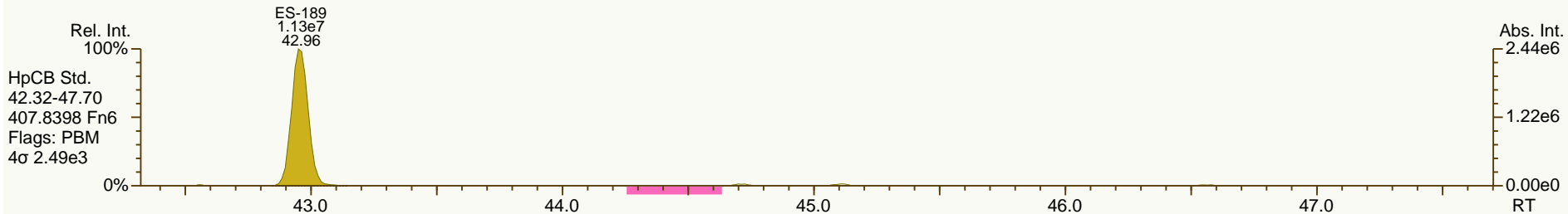
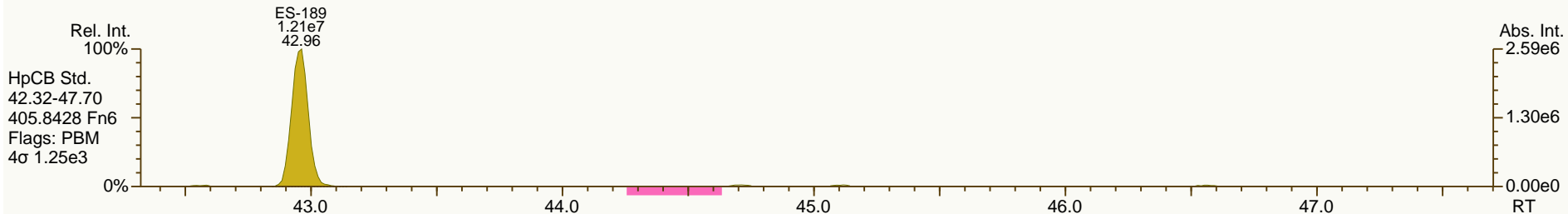
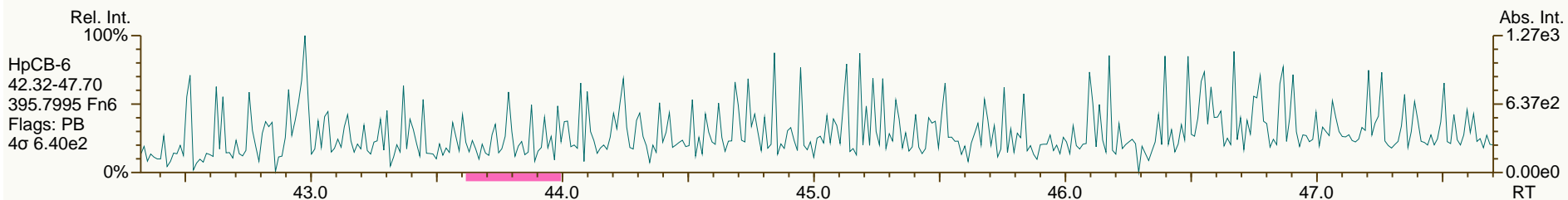
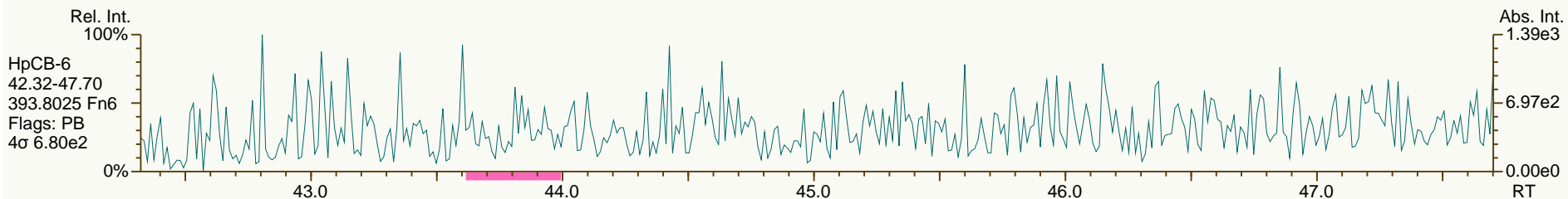


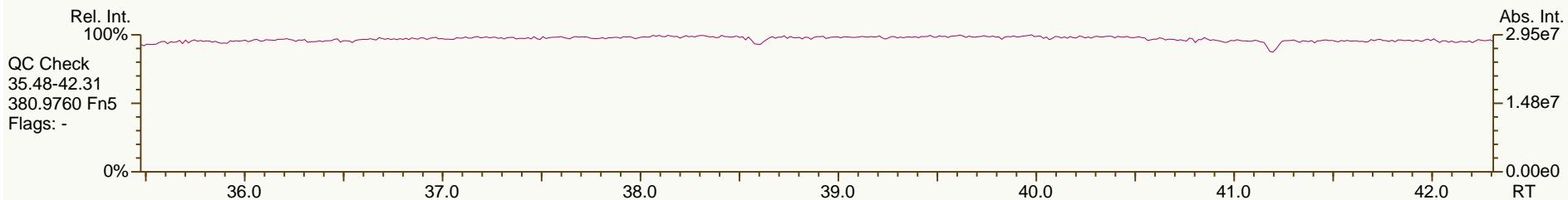
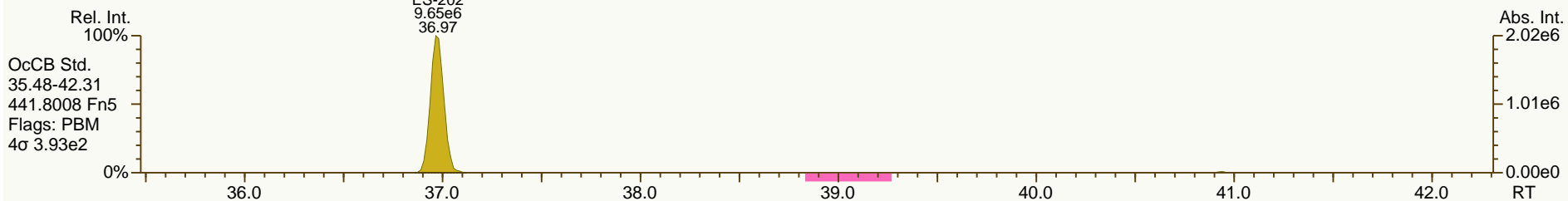
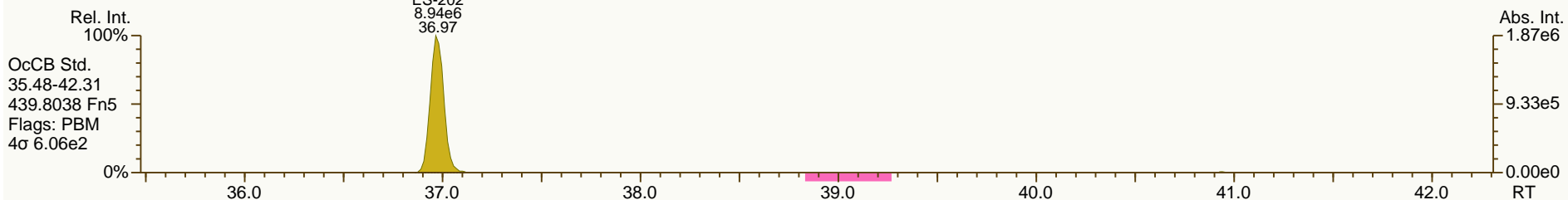
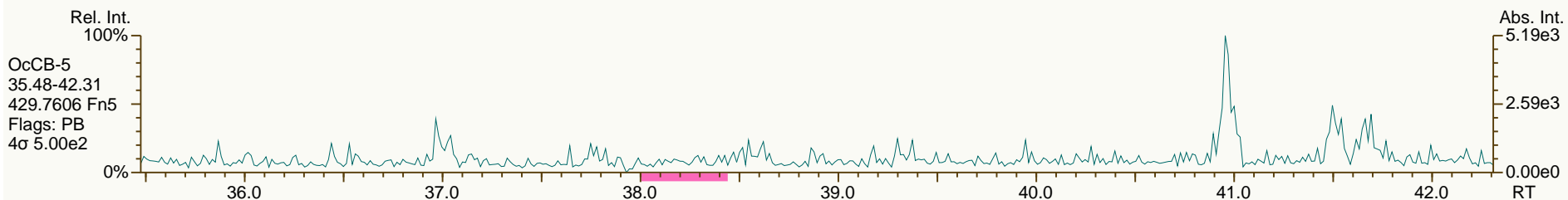
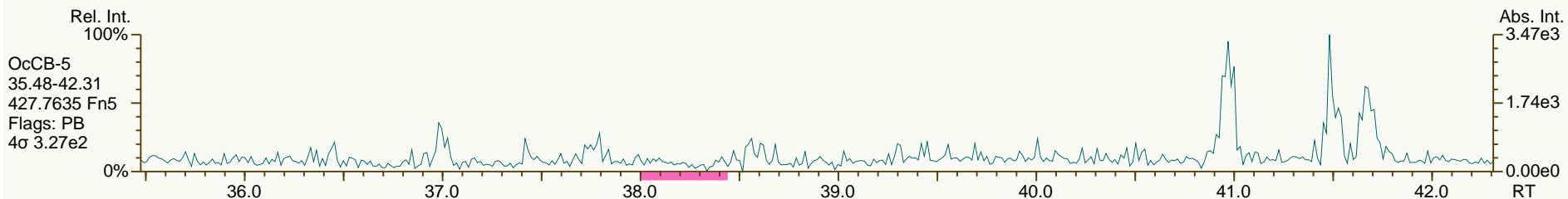


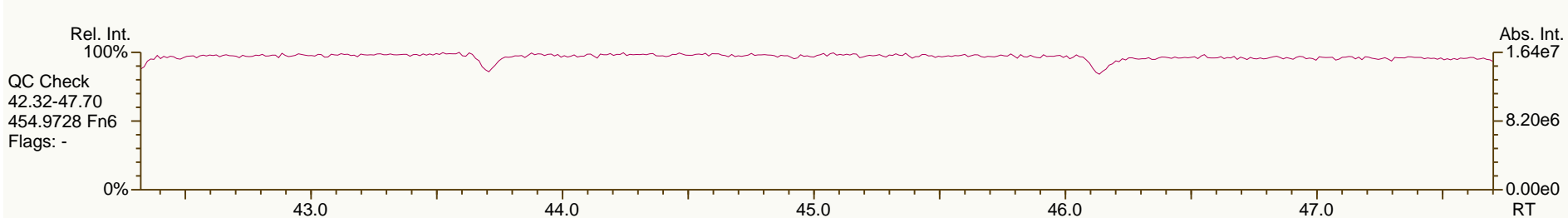
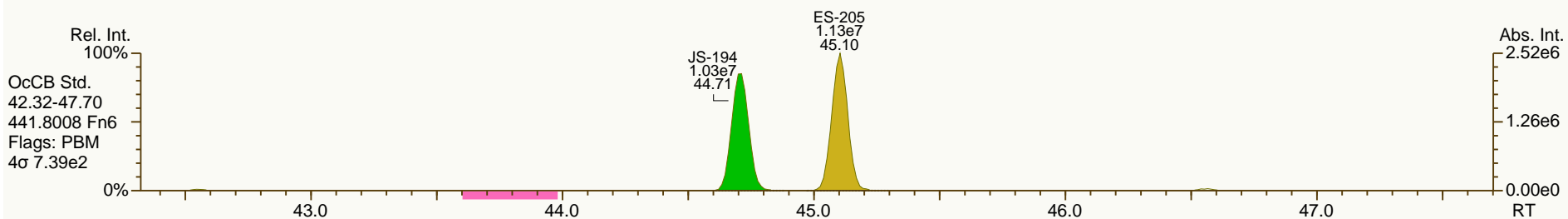
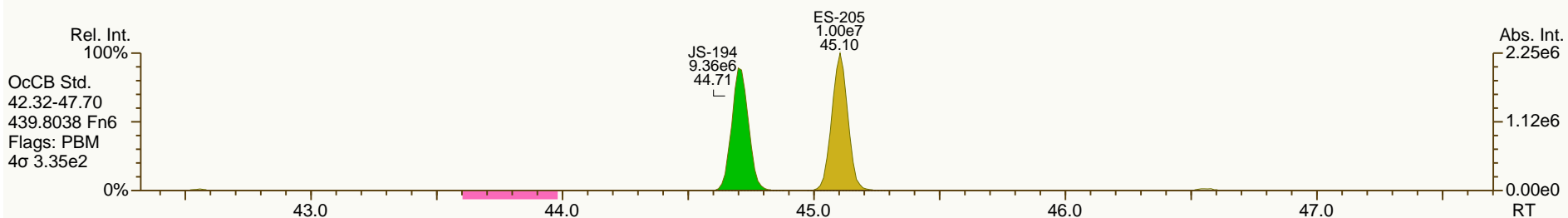
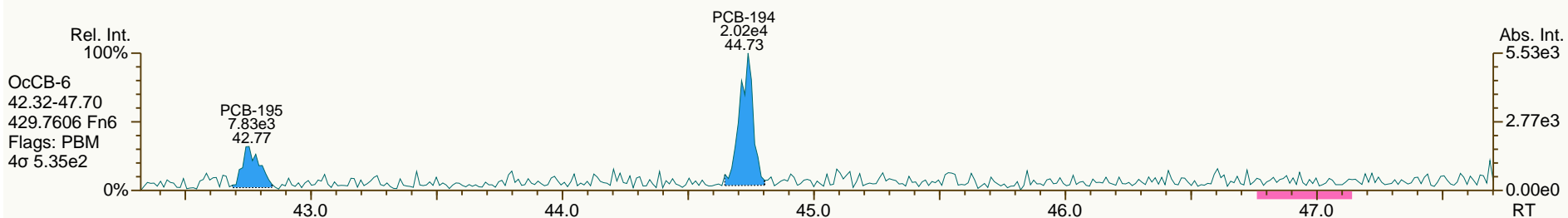
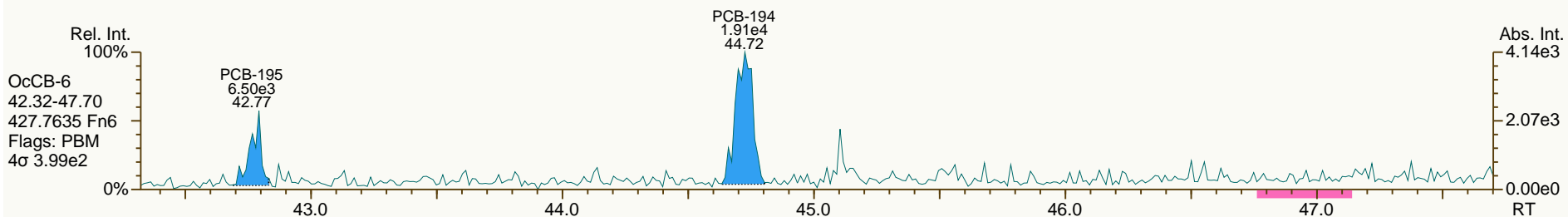


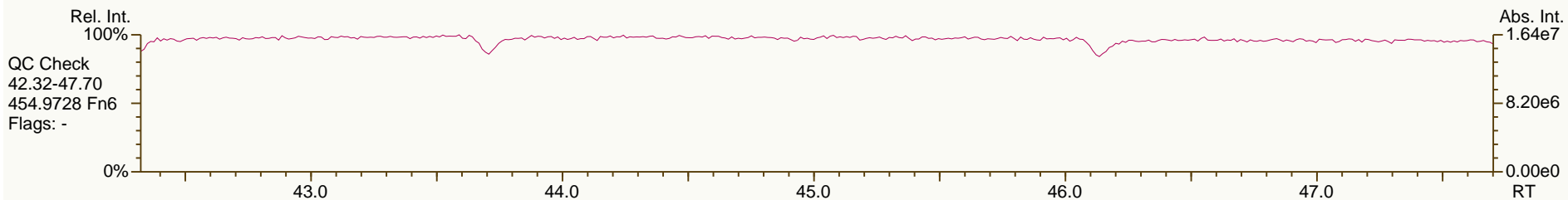
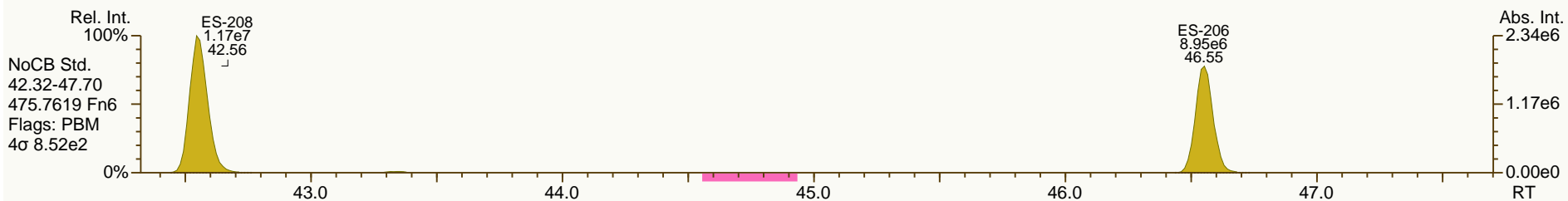
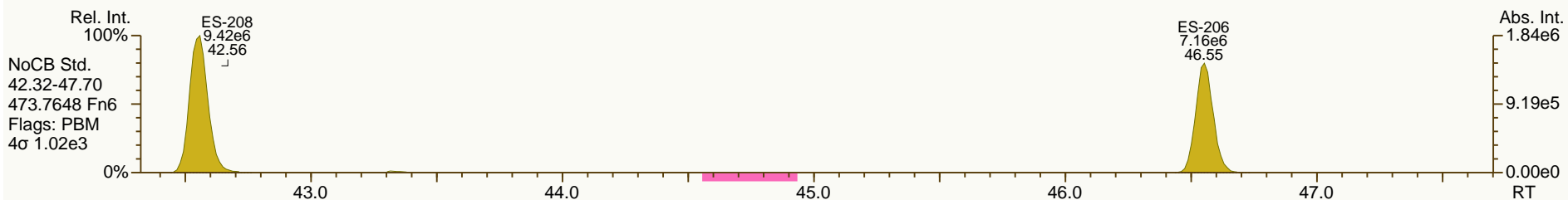
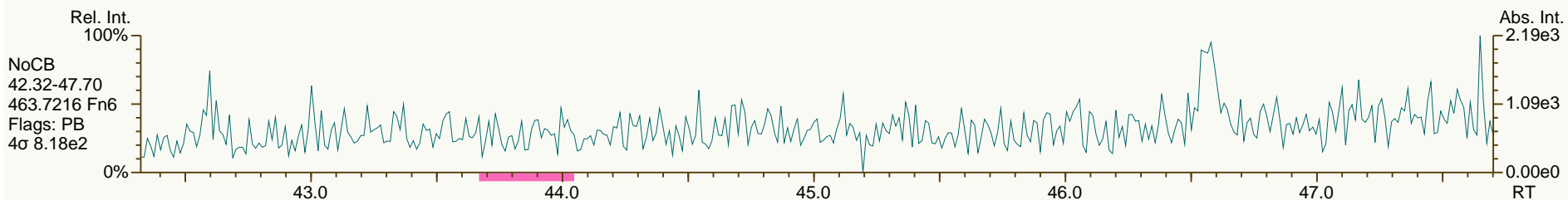
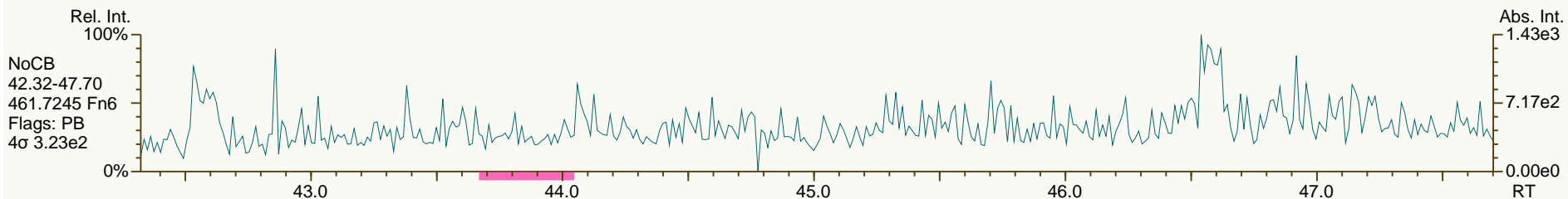


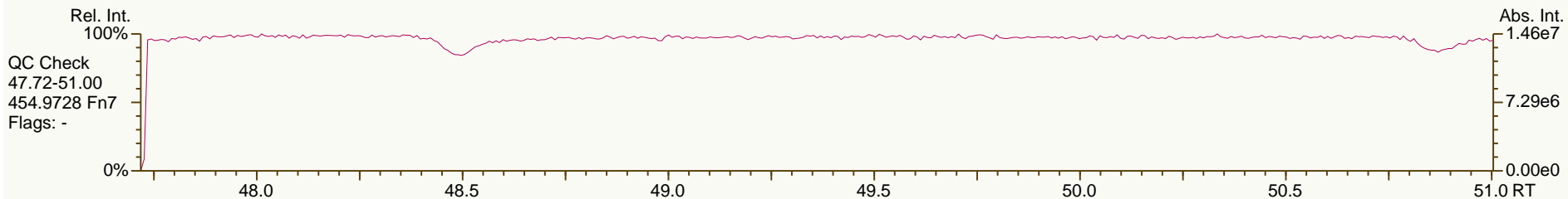
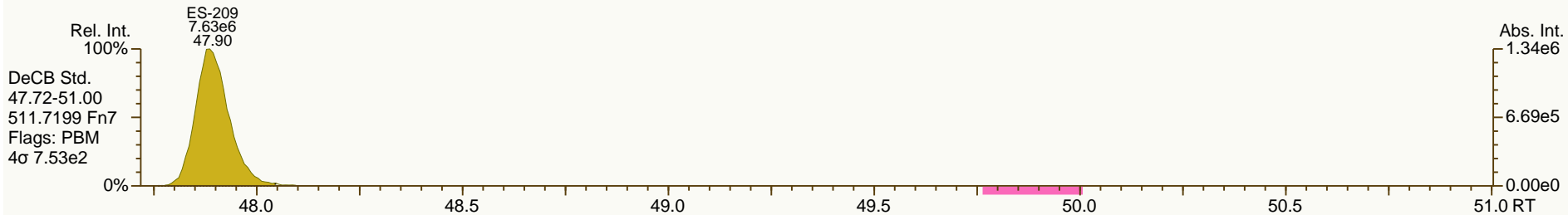
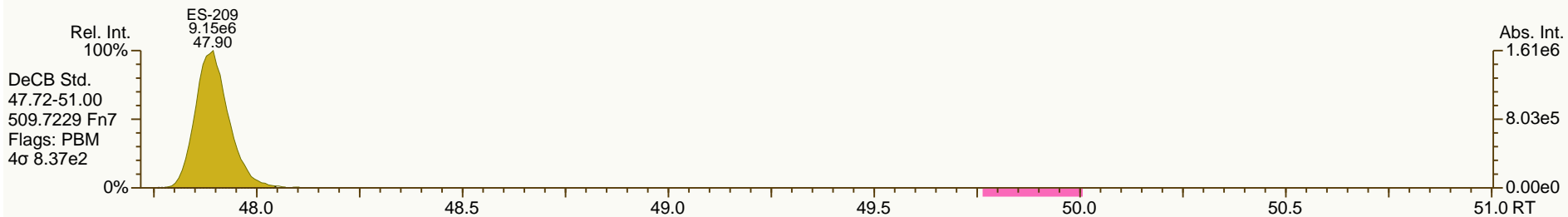
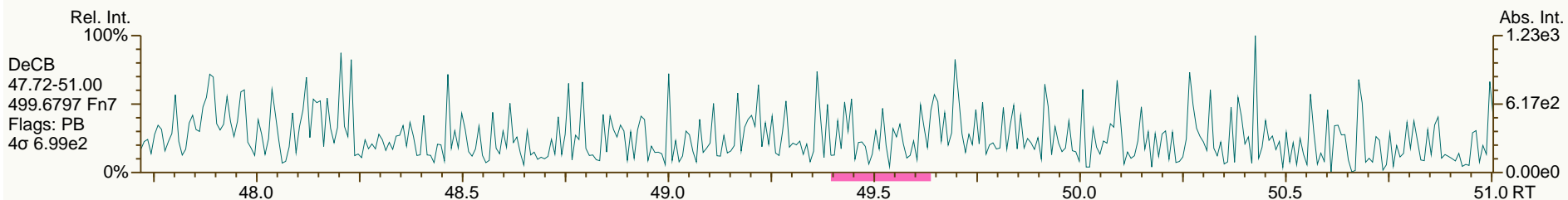
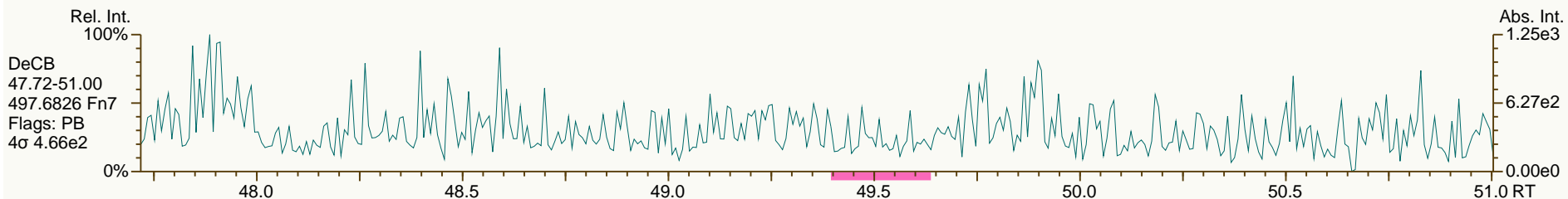












Blank Spike Summary

Blank Spike ID: OPR for HBN 30725 [HXX/1817]

Blank Spike Lab ID: 95876

Date Analyzed: 10/24/2012 08:20

Matrix: Soil-Solid as dry weight

QC for Samples: 31203251001, 31203251002

Results by EPA 1668B

Parameter	Blank Spike (pg/g)			CL
	Spike	Result	Rec (%)	
1-MoCB	50.0	43.2	86	71.0-132
3-MoCB	50.0	42.8	86	72.0-123
4-DiCB	50.0	49.8	100	73.0-114
15-DiCB	50.0	41.0	82	76.0-116
19-TrCB	50.0	47.4	95	79.0-109
37-TrCB	50.0	44.0	88	64.0-122
54-TeCB	50.0	52.8	106	76.0-114
77-TeCB	50.0	40.8	82	71.0-116
81-TeCB	50.0	43.8	88	70.0-116
104-PeCB	50.0	44.8	90	74.0-117
105-PeCB	50.0	47.0	94	73.0-117
114-PeCB	50.0	44.8	90	74.0-113
118-PeCB	50.0	49.4	99	81.0-112
123-PeCB	50.0	45.0	90	74.0-109
126-PeCB	50.0	43.4	87	74.0-113
155-HxCB	50.0	48.4	97	79.0-112
156-HxCB C157	100	89.0	89	78.0-117
167-HxCB	50.0	43.6	87	78.0-117
169-HxCB	50.0	43.4	87	79.0-107
188-HpCB	50.0	51.8	104	73.0-108
189-HpCB	50.0	43.6	87	81.0-113
202-OcCB	50.0	58.4	117*	77.0-114
205-OcCB	50.0	47.2	94	74.0-112
206-NoCB	50.0	51.0	102	79.0-115
208-NoCB	50.0	46.4	93	76.0-115
209-DeCB	50.0	54.4	109	77.0-116

Labeled Standards

1L-MoCB	69	4.00-100
3L-MoCB	76	11.0-106
4L-DiCB	100	14.0-107
15L-DiCB	78	19.0-107
19L-TrCB	88	1.00-108
37L-TrCB	70	25.0-123
54L-TeCB	80	13.0-105

Blank Spike Summary

Blank Spike ID: OPR for HBN 30725 [HXX/1817]
 Blank Spike Lab ID: 95876
 Date Analyzed: 10/24/2012 08:20

Matrix: Soil-Solid as dry weight

QC for Samples: 31203251001, 31203251002

Results by EPA 1668B

Parameter	Blank Spike (%)		CL
	Spike	Result	
77L-TeCB		82	31.0-109
81L-TeCB		79	14.0-127
104L-PeCB		79	36.0-115
105L-PeCB		84	50.0-111
114L-PeCB		83	41.0-121
118L-PeCB		83	49.0-111
123L-PeCB		83	49.0-116
126L-PeCB		75	50.0-106
155L-HxCB		72	25.0-124
156L-HxCB C157L		79	40.0-120
167L-HxCB		77	45.0-118
169L-HxCB		79	37.0-117
188L-HpCB		68	23.0-125
189L-HpCB		79	47.0-116
202L-OcCB		70	31.0-134
205L-OcCB		86	46.0-115
206L-NoCB		88	38.0-122
208L-NoCB		85	31.0-126
209L-DeCB		80	43.0-115
28L-TrCB		84	14.0-131
111L-PeCB		107	57.0-112
178L-HpCB		88	57.0-125

Batch Information

Analytical Batch: HRP1312
 Analytical Method: EPA 1668B
 Instrument: APHRMS
 Analyst: LKB

Prep Batch: HXX1817
 Prep Method: EPA 1668B PREP S/D/T
 Prep Date/Time: 10/16/2012 15:56
 Spike Init Wt./Vol.: 10 g Extract Vol: 20 uL

Lab ID: OPR1_10237_PCB

REVIEWED

ACQ: 24-Oct-2012 20:20:20 LKB

Wt/Vol: 1 µL

ICAL: MM7_PCB_07132012_25JUL12 CS3_121024_PCB_XC

Client ID: 0_10237_OPR001

JTP: 30-Oct-2012 09:34 CEM

J-level: 10 pg/µL Split: 1

Checkcode: 021-361-SFZ

Datafile: 121024X19

RPT: 30-Oct-2012 10:37 CM

Stds (pg): JS: 100 ES: 100 CS/SS: 100

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.11		1.0006	1.0006	0	8.42E+06	0.76	1.13	20.4	2.55E+03	0.072
PCB-81 344'5'-TeCB	29.64		1.0006	1.0006	0	8.30E+06	0.74	1.13	21.9	2.55E+03	0.0741
PCB-105 233'44'-PeCB	33.04		1.0007	1.0007	0	8.18E+06	0.62	1.09	23.5	1.79E+03	0.0567
PCB-114 2344'5'-PeCB	32.51		1.0007	1.0007	0	8.17E+06	0.61	1.16	22.4	1.79E+03	0.0553
PCB-118 23'44'5'-PeCB	32.07		1.0007	1.0007	0	8.87E+06	0.61	1.11	24.7	1.79E+03	0.0559
PCB-123 23'44'5'-PeCB	31.79		1.0006	1.0007	+0.2	8.28E+06	0.61	1.19	22.5	1.79E+03	0.054
PCB-126 33'44'5'-PeCB	35.64		1.0005	1.0005	0	6.30E+06	0.62	1.06	21.7	1.95E+03	0.0799
PCB-156/157 ...-HxCB	38.16	C	1.0005	1.0005	0	1.59E+07	1.24	1.11	44.5	2.19E+03	0.0847
PCB-167 23'44'55'-HxCB	37.20		1.0006	1.0005	-0.2	7.94E+06	1.23	1.14	21.8	2.19E+03	0.0668
PCB-169 33'44'55'-HxCB	40.87		1.0004	1.0004	0	7.51E+06	1.24	1.11	21.7	2.19E+03	0.0704
PCB-189 233'44'55'-HpCB	42.98		1.0004	1.0005	+0.3	6.38E+06	1.04	1.06	21.8	1.61E+03	0.061
PCB-209 DeCB	47.91		1.0004	1.0004	0	5.48E+06	1.20	1.07	27.2	1.70E+03	0.119
ES PCB-1	10.41		0.7215	0.7215	0	4.00E+07	3.16	1.08	69.4 %	30%	140%
ES PCB-3	12.42		0.8608	0.8611	+0.2	4.39E+07	3.22	1.08	76.2 %	30%	140%
ES PCB-4	12.63		0.8756	0.8754	-0.2	2.58E+07	1.62	0.49	99.5 %	30%	140%
ES PCB-15	17.88		1.2386	1.2394	+0.9	4.58E+07	1.56	1.11	77.6 %	30%	140%
ES PCB-19	15.41		1.0685	1.0683	-0.2	2.58E+07	1.05	0.55	87.5 %	30%	140%
ES PCB-37	23.91		1.0840	1.0846	+0.9	3.79E+07	1.06	1.64	70.2 %	30%	140%
ES PCB-54	18.11		0.8214	0.8212	-0.2	2.47E+07	0.78	0.94	79.8 %	30%	140%
ES PCB-77	30.09		1.3640	1.3649	+1.6	3.64E+07	0.78	1.35	82 %	30%	140%
ES PCB-81	29.63		1.3429	1.3437	+1.4	3.35E+07	0.78	1.29	79.1 %	30%	140%
ES PCB-104	22.86		0.8204	0.8201	-0.4	2.40E+07	1.56	0.99	79.1 %	30%	140%
ES PCB-105	33.02		1.1846	1.1848	+0.4	3.18E+07	1.64	1.23	84.4 %	30%	140%
ES PCB-114	32.49		1.1656	1.1658	+0.4	3.14E+07	1.68	1.25	82.6 %	30%	140%
ES PCB-118	32.04		1.1496	1.1498	+0.4	3.25E+07	1.61	1.28	83 %	30%	140%
ES PCB-123	31.77		1.1397	1.1399	+0.4	3.10E+07	1.59	1.22	83.4 %	30%	140%
ES PCB-126	35.62		1.2777	1.2782	+1.1	2.73E+07	1.58	1.20	74.8 %	30%	140%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	27.69		0.7994	0.7992	-0.3	3.01E+07	1.27	1.50	72 %	30%	140%
ES PCB-156/157	38.14		1.1005	1.1007	+0.5	6.44E+07	1.31	1.45	79.2 %	30%	140%
ES PCB-167	37.18		1.0730	1.0731	+0.2	3.20E+07	1.29	1.49	76.7 %	30%	140%
ES PCB-169	40.85		1.1787	1.1790	+0.7	3.11E+07	1.29	1.40	79.3 %	30%	140%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	32.49		0.7268	0.7266	-0.4	2.22E+07	1.09	1.18	67.5 %	30%	140%
ES PCB-189	42.96		0.9608	0.9608	0	2.78E+07	1.06	1.49	79.2 %	30%	140%
ES PCB-202	36.97		0.8272	0.8270	-0.4	2.23E+07	0.92	1.14	70.1 %	30%	140%
ES PCB-205	45.10		1.0089	1.0088	-0.3	2.44E+07	0.91	1.20	86.3 %	30%	140%
ES PCB-206	46.55		1.0413	1.0413	0	1.80E+07	0.79	0.87	87.7 %	30%	140%
ES PCB-208	42.56		0.9520	0.9519	-0.3	2.37E+07	0.79	1.19	84.6 %	30%	140%
ES PCB-209	47.89		1.0714	1.0713	-0.3	1.88E+07	1.20	1.00	79.6 %	30%	140%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	20.49		0.9294	0.9294	0	4.87E+07	1.04	1.07	120 %	40%	125%
SS PCB-111	30.14	NA	1.0814	1.0815	+0.2	3.99E+07	1.64	1.01	128 %	40%	125%
SS PCB-178	35.04	V	1.0112	1.0112	0	1.83E+07	1.12	0.63	131 %	40%	125%
CS PCB-28	20.49		0.9294	0.9294	0	4.87E+07	1.04	1.76	84 %	40%	125%
CS PCB-111	30.14		1.0814	1.0815	+0.2	3.99E+07	1.64	1.23	107 %	40%	125%
CS PCB-178	35.04		1.0112	1.0112	0	1.83E+07	1.12	0.74	88.4 %	40%	125%

JS PCB-9	14.43					5.32E+07	1.55				
JS PCB-52	22.05					3.30E+07	0.79				
JS PCB-101	27.87					3.05E+07	1.61				
JS PCB-138	34.65					2.79E+07	1.30				
JS PCB-194	44.71					2.36E+07	0.93				

	Totals	NON-EMPC	EMPC	DL
	Mono-CBs	43.1	43.1	0.0602
	Di-CBs	48	48	0.283
	Tri-CBs	45.9	45.9	0.0831
	Tetra-CBs	68.7	68.7	0.0732
	Penta-CBs	137	137	0.0587
	Hexa-CBs	112	112	0.0672
	Hepta-CBs	47.6	47.6	0.0695
	Octa-CBs	52.7	52.7	0.0582
	Nona-CBs	48.7	48.7	0.0892

PCB-1 2-MoCB	10.42		1.0011	1.0011	0	8.93E+06	3.20	1.03	21.6	4.14E+03	0.0554
PCB-2 3-MoCB	NotFnd		0.9879	-		0.00E+00		0.85	ND	4.14E+03	0.0794
PCB-3 4-MoCB	12.44		1.0010	1.0010	0	9.82E+06	3.10	1.04	21.4	4.14E+03	0.065
PCB-4 22'-DiCB	12.64		1.0011	1.0011	0	7.51E+06	1.57	1.17	24.9	1.16E+04	0.267
PCB-10 26-DiCB	NotFnd		1.0139	-		0.00E+00		1.63	ND	1.16E+04	0.192
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.72	ND	1.53E+04	0.447
PCB-7 24-DiCB	NotFnd		1.0114	-		0.00E+00		0.84	ND	1.53E+04	0.388
PCB-6 23'-DiCB	NotFnd		1.0255	-		0.00E+00		0.79	ND	1.53E+04	0.411
PCB-5 23-DiCB	NotFnd		1.0443	-		0.00E+00		0.79	ND	1.53E+04	0.412
PCB-8 24'-DiCB	NotFnd		1.0522	-		0.00E+00		0.82	ND	1.53E+04	0.393
PCB-14 35-DiCB	NotFnd		0.9304	-		0.00E+00		0.97	ND	1.53E+04	0.334
PCB-11 33'-DiCB	17.36	J	0.9708	0.9708	0	1.03E+06	1.42	0.85	2.65	1.53E+04	0.38
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9858	-		0.00E+00		0.87	ND	1.53E+04	0.371
PCB-15 44'-DiCB	17.90		1.0008	1.0009	+0.1	1.01E+07	1.52	1.08	20.5	1.53E+04	0.299
PCB-19 22'6-TrCB	15.43		1.0011	1.0011	0	6.68E+06	1.09	1.09	23.7	2.82E+03	0.0811
PCB-30/18 246/22'5-TrCB	17.08	J C	1.1076	1.1080	+0.4	6.76E+04	1.10	1.38	0.191	2.82E+03	0.0645
PCB-17 22'4-TrCB	NotFnd		1.1316	-		0.00E+00		1.19	ND	2.82E+03	0.0743
PCB-27 23'6-TrCB	NotFnd		1.1433	-		0.00E+00		1.60	ND	2.82E+03	0.0556
PCB-24 236-TrCB	NotFnd		1.1512	-		0.00E+00		1.56	ND	2.82E+03	0.0567
PCB-16 22'3-TrCB	NotFnd		1.1566	-		0.00E+00		0.90	ND	2.82E+03	0.0982

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	NotFnd		1.1863	-		0.00E+00		1.69	ND	2.82E+03	0.0524
PCB-34 23'5'-TrCB	NotFnd		0.8114	-		0.00E+00		0.84	ND	3.16E+03	0.112
PCB-23 235-TrCB	NotFnd		0.8172	-		0.00E+00		0.90	ND	3.16E+03	0.105
PCB-26/29 23'5'/245-TrCB	NotFnd	C	0.8285	-		0.00E+00		0.92	ND	3.16E+03	0.102
PCB-25 23'4-TrCB	NotFnd		0.8363	-		0.00E+00		0.92	ND	3.16E+03	0.102
PCB-31 24'5-TrCB	NotFnd		0.8474	-		0.00E+00		0.97	ND	3.16E+03	0.0972
PCB-28/20 244'/233'-TrCB	NotFnd	C	0.8584	-		0.00E+00		0.93	ND	3.16E+03	0.101
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8653	-		0.00E+00		0.96	ND	3.16E+03	0.0973
PCB-22 234'-TrCB	NotFnd		0.8804	-		0.00E+00		0.89	ND	3.16E+03	0.106
PCB-36 33'5-TrCB	NotFnd		0.9368	-		0.00E+00		1.01	ND	3.16E+03	0.093
PCB-39 34'5-TrCB	NotFnd		0.9495	-		0.00E+00		1.04	ND	3.16E+03	0.0903
PCB-38 345-TrCB	NotFnd		0.9702	-		0.00E+00		0.93	ND	3.16E+03	0.101
PCB-35 33'4-TrCB	NotFnd		0.9864	-		0.00E+00		0.94	ND	3.16E+03	0.1
PCB-37 344'-TrCB	23.93		1.0008	1.0007	-0.1	9.21E+06	0.99	1.10	22	3.16E+03	0.085
PCB-54 22'66'-TeCB	18.12		1.0010	1.0010	0	7.88E+06	0.81	1.21	26.4	1.81E+03	0.0543
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9082	-		0.00E+00		0.77	ND	1.95E+03	0.0828
PCB-45 22'36-TeCB	NotFnd		0.9329	-		0.00E+00		0.64	ND	1.95E+03	0.0994
PCB-51 22'46'-TeCB	NotFnd		0.9364	-		0.00E+00		0.81	ND	1.95E+03	0.0787
PCB-46 22'36'-TeCB	NotFnd		0.9450	-		0.00E+00		0.63	ND	1.95E+03	0.101
PCB-52 22'55'-TeCB	NotFnd		1.0010	-		0.00E+00		0.77	ND	1.95E+03	0.0831
PCB-73 23'5'6-TeCB	NotFnd		1.0066	-		0.00E+00		1.00	ND	1.95E+03	0.0636
PCB-43 22'35-TeCB	NotFnd		1.0103	-		0.00E+00		0.67	ND	1.95E+03	0.0948
PCB-69/49 23'46/22'45'-TeCB	NotFnd	C	1.0192	-		0.00E+00		0.94	ND	1.95E+03	0.0677
PCB-48 22'45-TeCB	NotFnd		1.0310	-		0.00E+00		0.78	ND	1.95E+03	0.082
PCB-44/47/65 ...-TeCB	NotFnd	C	1.0405	-		0.00E+00		0.82	ND	1.95E+03	0.0775
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0525	-		0.00E+00		1.06	ND	1.95E+03	0.0601
PCB-42 22'34'-TeCB	NotFnd		1.0594	-		0.00E+00		0.73	ND	1.95E+03	0.0873
PCB-41 22'34-TeCB	NotFnd		1.0737	-		0.00E+00		0.66	ND	1.95E+03	0.096
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0781	-		0.00E+00		0.79	ND	1.95E+03	0.0803
PCB-64 234'6-TeCB	NotFnd		1.0870	-		0.00E+00		1.14	ND	1.95E+03	0.0562
PCB-72 23'55'-TeCB	NotFnd		0.8340	-		0.00E+00		0.92	ND	2.55E+03	0.0904
PCB-68 23'45'-TeCB	NotFnd		0.8423	-		0.00E+00		1.06	ND	2.55E+03	0.079
PCB-57 233'5-TeCB	NotFnd		0.8542	-		0.00E+00		0.93	ND	2.55E+03	0.09
PCB-58 233'5'-TeCB	NotFnd		0.8607	-		0.00E+00		0.94	ND	2.55E+03	0.0892
PCB-67 23'45-TeCB	NotFnd		0.8659	-		0.00E+00		0.98	ND	2.55E+03	0.0849
PCB-63 234'5-TeCB	NotFnd		0.8733	-		0.00E+00		1.04	ND	2.55E+03	0.08
PCB-61/70/74/76 ...-TeCB	NotFnd	C	0.8826	-		0.00E+00		0.98	ND	2.55E+03	0.0854
PCB-66 23'44'-TeCB	NotFnd		0.8920	-		0.00E+00		0.94	ND	2.55E+03	0.089
PCB-55 233'4-TeCB	NotFnd		0.8964	-		0.00E+00		0.90	ND	2.55E+03	0.0924
PCB-56 233'4'-TeCB	NotFnd		0.9107	-		0.00E+00		0.89	ND	2.55E+03	0.0933
PCB-60 2344'-TeCB	NotFnd		0.9170	-		0.00E+00		0.95	ND	2.55E+03	0.0878
PCB-80 33'55'-TeCB	NotFnd		0.9294	-		0.00E+00		1.07	ND	2.55E+03	0.0778
PCB-79 33'45'-TeCB	NotFnd		0.9724	-		0.00E+00		1.07	ND	2.55E+03	0.0781
PCB-78 33'45-TeCB	NotFnd		0.9882	-		0.00E+00		0.93	ND	2.55E+03	0.0895
PCB-104 22'466'-PeCB	22.88		1.0009	1.0010	+0.1	6.72E+06	0.64	1.25	22.4	1.53E+03	0.0501
PCB-96 22'366'-PeCB	NotFnd		1.0138	-		0.00E+00		0.99	ND	1.53E+03	0.0634
PCB-103 22'45'6-PeCB	NotFnd		0.8917	-		0.00E+00		0.85	ND	1.79E+03	0.0752
PCB-94 22'356'-PeCB	NotFnd		0.8979	-		0.00E+00		0.73	ND	1.79E+03	0.0874

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	NotFnd		0.9112	-		0.00E+00		0.79	ND	1.79E+03	0.0817
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9186	-		0.00E+00		0.81	ND	1.79E+03	0.0788
PCB-102 22'456'-PeCB	NotFnd		0.9224	-		0.00E+00		0.81	ND	1.79E+03	0.0791
PCB-98 22'34'6'-PeCB	NotFnd		0.9248	-		0.00E+00		0.76	ND	1.79E+03	0.0844
PCB-88 22'346-PeCB	NotFnd		0.9349	-		0.00E+00		0.62	ND	1.79E+03	0.104
PCB-91 22'34'6-PeCB	NotFnd		0.9374	-		0.00E+00		0.83	ND	1.79E+03	0.0769
PCB-84 22'33'6-PeCB	NotFnd		0.9438	-		0.00E+00		0.68	ND	1.79E+03	0.095
PCB-89 22'346'-PeCB	NotFnd		0.9584	-		0.00E+00		0.72	ND	1.79E+03	0.0893
PCB-121 23'45'6-PeCB	NotFnd		0.9722	-		0.00E+00		1.10	ND	1.79E+03	0.0585
PCB-92 22'355'-PeCB	NotFnd		0.9830	-		0.00E+00		0.76	ND	1.79E+03	0.084
PCB-113/90/101 ...-PeCB	NotFnd	C	0.9999	-		0.00E+00		0.90	ND	1.79E+03	0.0713
PCB-83 22'33'5-PeCB	NotFnd		1.0147	-		0.00E+00		0.64	ND	1.79E+03	0.1
PCB-99 22'44'5-PeCB	NotFnd		1.0184	-		0.00E+00		0.89	ND	1.79E+03	0.0719
PCB-112 233'56-PeCB	NotFnd		1.0217	-		0.00E+00		1.06	ND	1.79E+03	0.0603
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0338	-		0.00E+00		0.92	ND	1.79E+03	0.07
PCB-117 234'56-PeCB	NotFnd		1.0525	-		0.00E+00		0.84	ND	1.79E+03	0.0768
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0552	-		0.00E+00		1.02	ND	1.79E+03	0.063
PCB-110 233'4'6-PeCB	NotFnd		1.0598	-		0.00E+00		1.10	ND	1.79E+03	0.0583
PCB-115 2344'6-PeCB	NotFnd		1.0628	-		0.00E+00		1.02	ND	1.79E+03	0.0626
PCB-82 22'33'4-PeCB	NotFnd		1.0691	-		0.00E+00		0.67	ND	1.79E+03	0.0953
PCB-111 233'55'-PeCB	NotFnd		1.0821	-		0.00E+00		1.13	ND	1.79E+03	0.0566
PCB-120 23'455'-PeCB	NotFnd		1.0960	-		0.00E+00		1.14	ND	1.79E+03	0.0562
PCB-107/124 ...-PeCB	NotFnd	C	0.9911	-		0.00E+00		1.06	ND	1.79E+03	0.0606
PCB-109 233'46-PeCB	NotFnd		0.9975	-		0.00E+00		1.13	ND	1.79E+03	0.0568
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.04	ND	1.79E+03	0.0617
PCB-122 233'4'5'-PeCB	NotFnd		1.0093	-		0.00E+00		0.99	ND	1.79E+03	0.065
PCB-127 33'455'-PeCB	NotFnd		1.0387	-		0.00E+00		1.09	ND	1.79E+03	0.0571
PCB-155 22'44'66'-HxCB	27.71		1.0008	1.0008	0	7.95E+06	1.26	1.09	24.2	1.44E+03	0.047
PCB-152 22'3566'-HxCB	NotFnd		1.0056	-		0.00E+00		0.98	ND	1.44E+03	0.0523
PCB-150 22'34'66'-HxCB	NotFnd		1.0110	-		0.00E+00		1.01	ND	1.44E+03	0.0508
PCB-136 22'33'66'-HxCB	NotFnd		1.0213	-		0.00E+00		0.93	ND	1.44E+03	0.0553
PCB-145 22'3466'-HxCB	NotFnd		1.0309	-		0.00E+00		0.95	ND	1.44E+03	0.0537
PCB-148 22'34'56'-HxCB	NotFnd		1.0773	-		0.00E+00		0.74	ND	1.44E+03	0.0689
PCB-151/135 ...-HxCB	NotFnd	C	1.0954	-		0.00E+00		0.72	ND	1.44E+03	0.0709
PCB-154 22'44'56'-HxCB	NotFnd		1.1031	-		0.00E+00		0.82	ND	1.44E+03	0.0622
PCB-144 22'345'6-HxCB	NotFnd		1.1121	-		0.00E+00		0.75	ND	1.44E+03	0.0685
PCB-147/149 ...-HxCB	NotFnd	C	1.1228	-		0.00E+00		0.75	ND	1.44E+03	0.0687
PCB-134 22'33'56-HxCB	NotFnd		1.1284	-		0.00E+00		0.59	ND	1.44E+03	0.0863
PCB-143 22'3456'-HxCB	NotFnd		1.1313	-		0.00E+00		0.73	ND	1.44E+03	0.0704
PCB-139/140 ...-HxCB	NotFnd	C	1.1411	-		0.00E+00		0.76	ND	1.44E+03	0.0671
PCB-131 22'33'46-HxCB	NotFnd		1.1468	-		0.00E+00		0.65	ND	1.44E+03	0.0786
PCB-142 22'3456-HxCB	NotFnd		1.1516	-		0.00E+00		0.67	ND	1.44E+03	0.077
PCB-132 22'33'46'-HxCB	NotFnd		1.1602	-		0.00E+00		0.67	ND	1.44E+03	0.0763
PCB-133 22'33'55'-HxCB	NotFnd		1.1763	-		0.00E+00		0.70	ND	1.44E+03	0.0735
PCB-165 233'55'6-HxCB	NotFnd		0.9500	-		0.00E+00		0.87	ND	1.44E+03	0.0591
PCB-146 22'34'55'-HxCB	NotFnd		0.9560	-		0.00E+00		0.78	ND	1.44E+03	0.0661
PCB-161 233'45'6-HxCB	NotFnd		0.9593	-		0.00E+00		0.96	ND	1.44E+03	0.0537
PCB-153/168 ...-HxCB	NotFnd	C	0.9715	-		0.00E+00		0.93	ND	1.44E+03	0.0551

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	NotFnd		0.9753	-		0.00E+00		0.73	ND	1.44E+03	0.0699
PCB-130 22'33'45'-HxCB	NotFnd		0.9850	-		0.00E+00		0.64	ND	1.44E+03	0.0806
PCB-137 22'344'5'-HxCB	NotFnd		0.9906	-		0.00E+00		0.69	ND	1.44E+03	0.074
PCB-164 233'4'5'6'-HxCB	NotFnd		0.9931	-		0.00E+00		0.90	ND	1.44E+03	0.0567
PCB-163/138/129 ...-HxCB	NotFnd	C	1.0012	-		0.00E+00		0.77	ND	1.44E+03	0.0668
PCB-160 233'456'-HxCB	NotFnd		1.0048	-		0.00E+00		0.90	ND	1.44E+03	0.0568
PCB-158 233'44'6'-HxCB	NotFnd		1.0103	-		0.00E+00		0.99	ND	1.44E+03	0.0515
PCB-128/166 ...-HxCB	NotFnd	C	0.9607	-		0.00E+00		0.85	ND	2.19E+03	0.0889
PCB-159 233'455'-HxCB	NotFnd		0.9835	-		0.00E+00		1.01	ND	2.19E+03	0.0753
PCB-162 233'4'55'-HxCB	NotFnd		0.9899	-		0.00E+00		1.05	ND	2.19E+03	0.0721
PCB-188 22'34'566'-HpCB	32.51		1.0006	1.0007	+0.2	5.94E+06	1.05	1.03	25.9	1.12E+03	0.0534
PCB-179 22'33'566'-HpCB	NotFnd		1.0088	-		0.00E+00		0.99	ND	1.12E+03	0.0556
PCB-184 22'344'66'-HpCB	NotFnd		1.0231	-		0.00E+00		0.96	ND	1.12E+03	0.0573
PCB-176 22'33'466'-HpCB	NotFnd		1.0316	-		0.00E+00		1.07	ND	1.12E+03	0.0516
PCB-186 22'34566'-HpCB	NotFnd		1.0433	-		0.00E+00		1.00	ND	1.12E+03	0.0551
PCB-178 22'33'55'6'-HpCB	NotFnd		1.0790	-		0.00E+00		0.73	ND	1.12E+03	0.0757
PCB-175 22'33'45'6'-HpCB	NotFnd		1.0955	-		0.00E+00		0.94	ND	1.58E+03	0.0831
PCB-187 22'34'55'6'-HpCB	NotFnd		1.1024	-		0.00E+00		1.00	ND	1.58E+03	0.0778
PCB-182 22'344'56'-HpCB	NotFnd		1.1077	-		0.00E+00		1.03	ND	1.58E+03	0.0754
PCB-183 22'344'5'6'-HpCB	NotFnd		1.1182	-		0.00E+00		1.06	ND	1.58E+03	0.0732
PCB-185 22'3455'6'-HpCB	NotFnd		1.1205	-		0.00E+00		0.98	ND	1.58E+03	0.0797
PCB-174 22'33'456'-HpCB	NotFnd		1.1238	-		0.00E+00		0.87	ND	1.58E+03	0.0895
PCB-177 22'33'45'6'-HpCB	NotFnd		1.1351	-		0.00E+00		0.86	ND	1.58E+03	0.0903
PCB-181 22'344'56'-HpCB	NotFnd		1.1457	-		0.00E+00		0.99	ND	1.58E+03	0.0785
PCB-171/173 ...-HpCB	NotFnd	C	1.1510	-		0.00E+00		0.87	ND	1.58E+03	0.0892
PCB-172 22'33'455'-HpCB	NotFnd		0.9027	-		0.00E+00		0.79	ND	1.58E+03	0.0804
PCB-192 233'455'6'-HpCB	NotFnd		0.9084	-		0.00E+00		1.03	ND	1.58E+03	0.0615
PCB-180/193 ...-HpCB	NotFnd	C	0.9147	-		0.00E+00		0.90	ND	1.58E+03	0.0702
PCB-191 233'44'5'6'-HpCB	NotFnd		0.9222	-		0.00E+00		1.07	ND	1.58E+03	0.0594
PCB-170 22'33'44'5'-HpCB	NotFnd		0.9396	-		0.00E+00		0.72	ND	1.58E+03	0.0876
PCB-190 233'44'56'-HpCB	NotFnd		0.9500	-		0.00E+00		1.04	ND	1.58E+03	0.061
PCB-202 22'33'55'66'-OoCB	37.00		1.0006	1.0006	0	5.94E+06	0.89	0.91	29.2	1.01E+03	0.0591
PCB-201 22'33'45'66'-OoCB	NotFnd		1.0215	-		0.00E+00		1.02	ND	1.01E+03	0.0529
PCB-204 22'344'566'-OoCB	NotFnd		1.0369	-		0.00E+00		0.96	ND	1.01E+03	0.0563
PCB-197 22'33'44'66'-OoCB	NotFnd		1.0420	-		0.00E+00		1.06	ND	1.01E+03	0.0512
PCB-200 22'33'4566'-OoCB	NotFnd		1.0441	-		0.00E+00		0.96	ND	1.01E+03	0.0563
PCB-198/199 ...-OoCB	NotFnd	C	1.1071	-		0.00E+00		0.70	ND	1.01E+03	0.0774
PCB-196 22'33'44'56'-OoCB	NotFnd		1.1224	-		0.00E+00		0.71	ND	1.01E+03	0.0758
PCB-203 22'344'55'6'-OoCB	NotFnd		1.1270	-		0.00E+00		0.76	ND	1.01E+03	0.0713
PCB-195 22'33'44'56'-OoCB	NotFnd		0.9483	-		0.00E+00		0.74	ND	1.37E+03	0.084
PCB-194 22'33'44'55'-OoCB	NotFnd		0.9917	-		0.00E+00		0.80	ND	1.37E+03	0.0782
PCB-205 233'44'55'6'-OoCB	45.12		1.0004	1.0004	0	6.28E+06	0.93	1.09	23.6	1.37E+03	0.0574
PCB-208 22'33'455'66'-NoCB	42.58		1.0005	1.0005	0	5.61E+06	0.76	1.02	23.2	1.48E+03	0.0789
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0188	-		0.00E+00		0.92	ND	1.48E+03	0.0869
PCB-206 22'33'44'55'6'-NoCB	46.57		1.0004	1.0004	0	4.47E+06	0.78	0.98	25.5	1.48E+03	0.0995

METHOD HR-PCB

PCB ONGOING PRECISION AND RECOVERY (OPR)

FORM 8A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM7_PCB_07132012_25JUL12
 Instrument ID: MM9 GC Column ID:
 VER Data Filename: 121024X19 Analysis Date: 24-OCT-2012 20:20:20
 Lab ID: OPR1_10237_PCB

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)	OK
PCB-1 2-MoCB	25	86.6	50 - 150	Y
PCB-3 4-MoCB	25	85.6	50 - 150	Y
PCB-4 22'-DiCB	25	99.4	50 - 150	Y
PCB-15 44'-DiCB	25	81.8	50 - 150	Y
PCB-19 22'6-TrCB	25	94.7	50 - 150	Y
PCB-37 344'-TrCB	25	88.1	50 - 150	Y
PCB-54 22'66'-TeCB	25	105	50 - 150	Y
PCB-77 33'44'-TeCB	25	81.6	50 - 150	Y
PCB-81 344'5-TeCB	25	87.8	50 - 150	Y
PCB-104 22'466'-PeCB	25	89.4	50 - 150	Y
PCB-105 233'44'-PeCB	25	94.1	50 - 150	Y
PCB-114 2344'5-PeCB	25	89.6	50 - 150	Y
PCB-118 23'44'5-PeCB	25	98.8	50 - 150	Y
PCB-123 23'44'5'-PeCB	25	89.9	50 - 150	Y
PCB-126 33'44'5-PeCB	25	86.8	50 - 150	Y
PCB-155 22'44'66'-HxCB	25	96.9	50 - 150	Y
PCB-156/157 ...-HxCB	50	89	50 - 150	Y
PCB-167 23'44'55'-HxCB	25	87.3	50 - 150	Y
PCB-169 33'44'55'-HxCB	25	86.9	50 - 150	Y
PCB-188 22'34'566'-HpCB	25	103	50 - 150	Y
PCB-189 233'44'55'-HpCB	25	87	50 - 150	Y
PCB-202 22'33'55'66'-OcCB	25	117	50 - 150	Y
PCB-205 233'44'55'6-OcCB	25	94.3	50 - 150	Y
PCB-206 22'33'44'55'6-NoCB	25	102	50 - 150	Y
PCB-208 22'33'455'66'-NoCB	25	93	50 - 150	Y
PCB-209 DeCB	25	109	50 - 150	Y

Contract-required recovery limits for OPR as specified in Table 6,
 Method 1668A.

Processed: 30 Oct 2012 10:37 Analyst: CM

METHOD HR-PCB

PCB ONGOING PRECISION AND RECOVERY (OPR)

FORM 8B

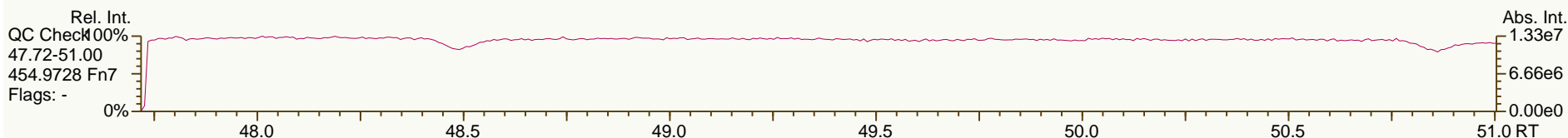
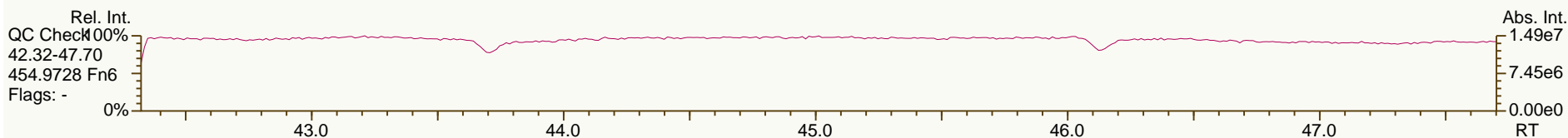
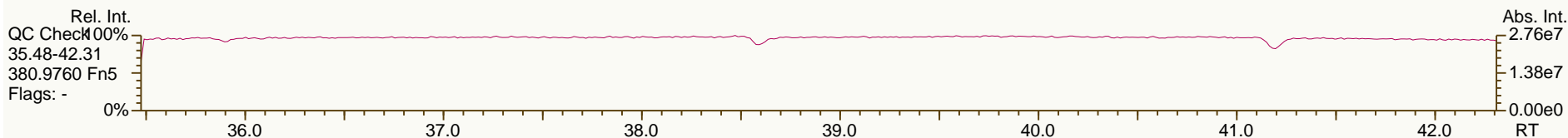
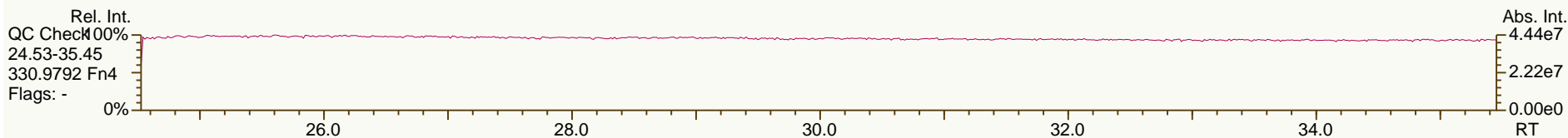
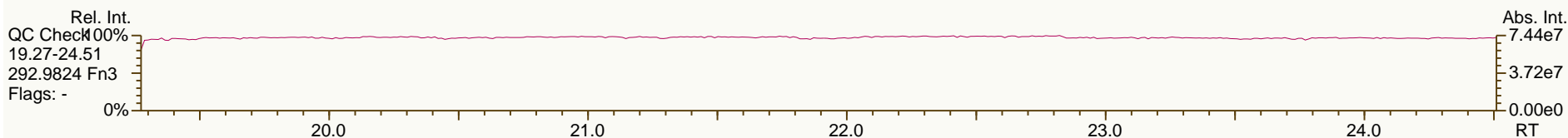
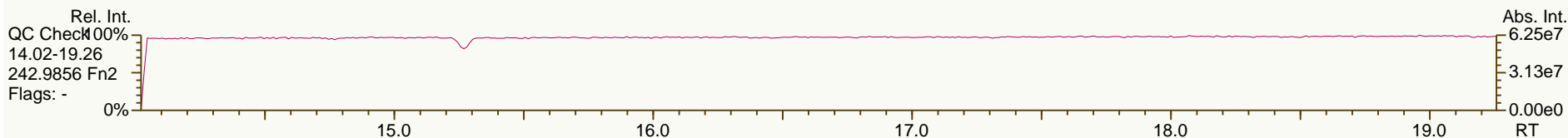
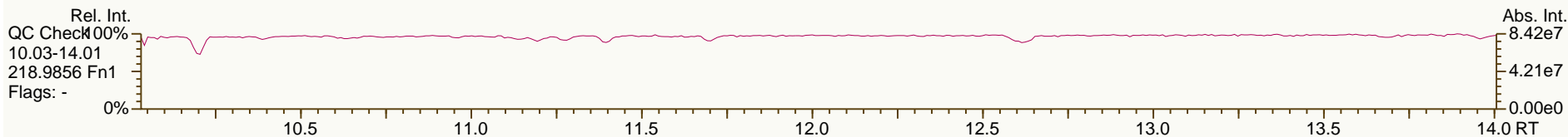
Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM7_PCB_07132012_25JUL12
 Instrument ID: MM9 GC Column ID:
 VER Data Filename: 121024X19 Analysis Date: 24-OCT-2012 20:20:20
 Lab ID: OPR1_10237_PCB

LABELLED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)			OK
ES PCB-1	100	69.4	30	-	140	Y
ES PCB-3	100	76.2	30	-	140	Y
ES PCB-4	100	99.5	30	-	140	Y
ES PCB-15	100	77.6	30	-	140	Y
ES PCB-19	100	87.5	30	-	140	Y
ES PCB-37	100	70.2	30	-	140	Y
ES PCB-54	100	79.8	30	-	140	Y
ES PCB-77	100	82	30	-	140	Y
ES PCB-81	100	79.1	30	-	140	Y
ES PCB-104	100	79.1	30	-	140	Y
ES PCB-105	100	84.4	30	-	140	Y
ES PCB-114	100	82.6	30	-	140	Y
ES PCB-118	100	83	30	-	140	Y
ES PCB-123	100	83.4	30	-	140	Y
ES PCB-126	100	74.8	30	-	140	Y
ES PCB-153	100	-	30	-	140	-
ES PCB-155	100	72	30	-	140	Y
ES PCB-156/157	200	79.2	30	-	140	Y
ES PCB-167	100	76.7	30	-	140	Y
ES PCB-169	100	79.3	30	-	140	Y
ES PCB-170	100	-	30	-	140	-
ES PCB-180	100	-	30	-	140	-
ES PCB-188	100	67.5	30	-	140	Y
ES PCB-189	100	79.2	30	-	140	Y
ES PCB-202	100	70.1	30	-	140	Y
ES PCB-205	100	86.3	30	-	140	Y
ES PCB-206	100	87.7	30	-	140	Y
ES PCB-208	100	84.6	30	-	140	Y
ES PCB-209	100	79.6	30	-	140	Y

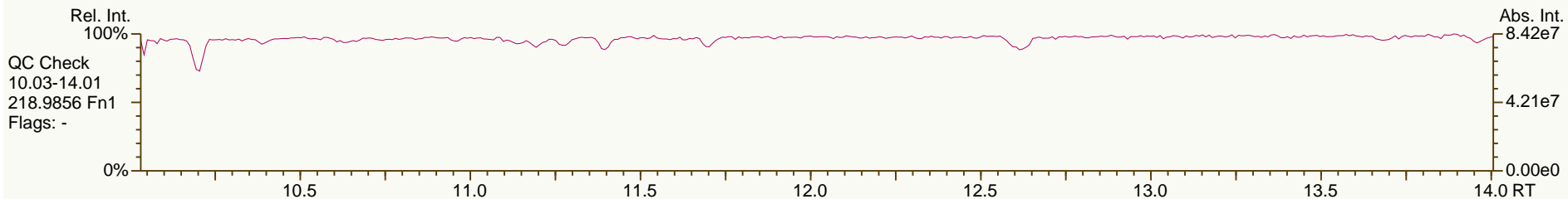
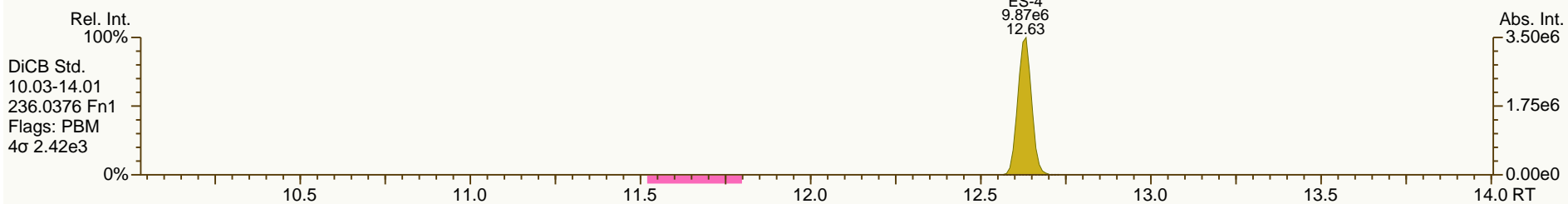
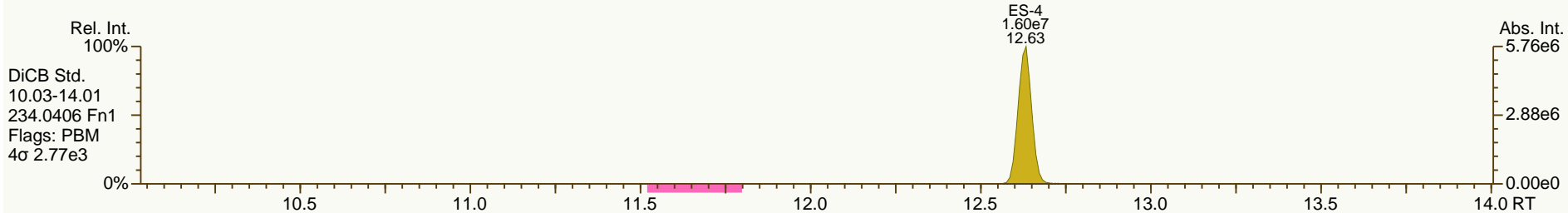
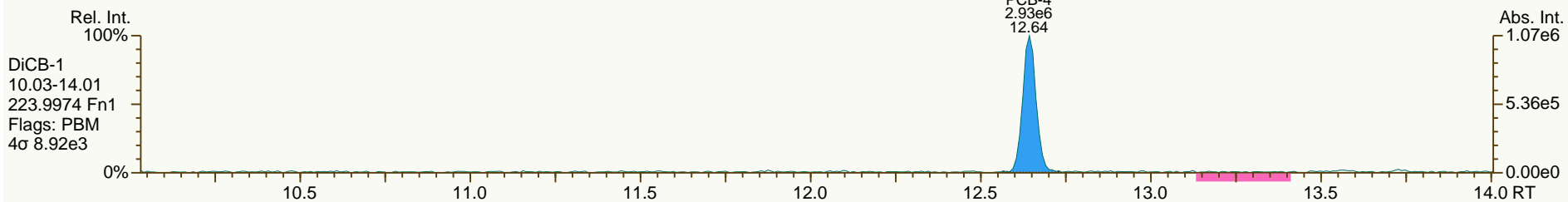
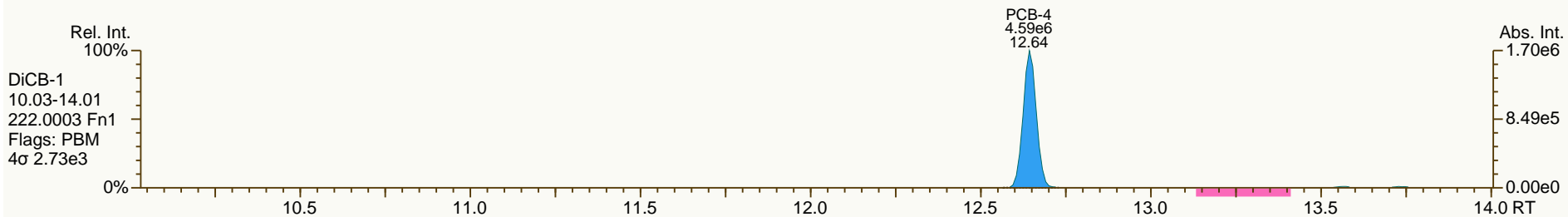
CLEANUP STANDARDS

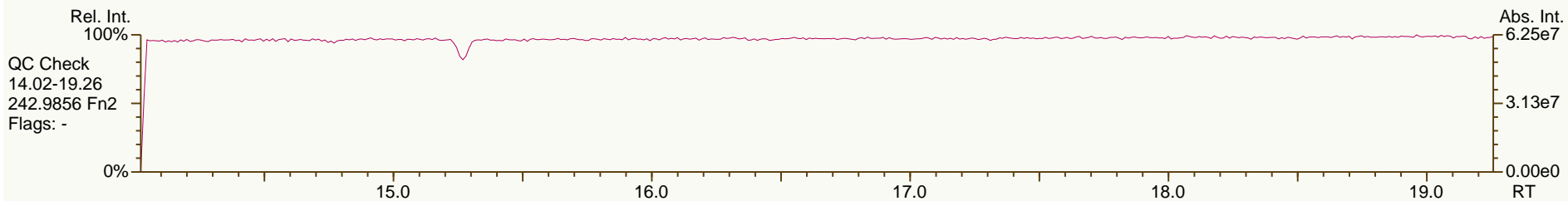
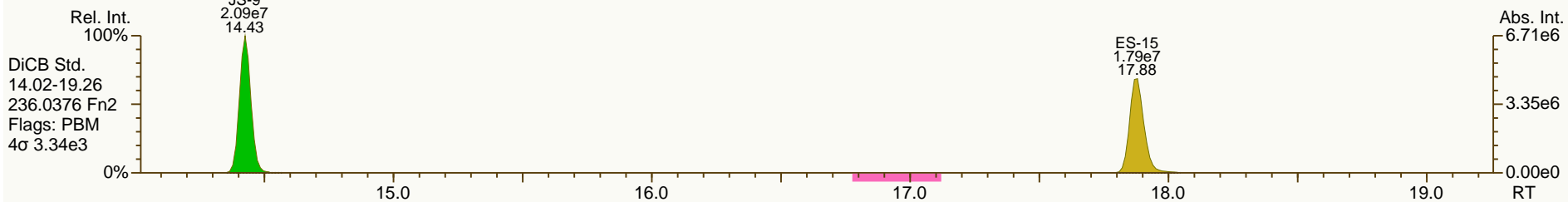
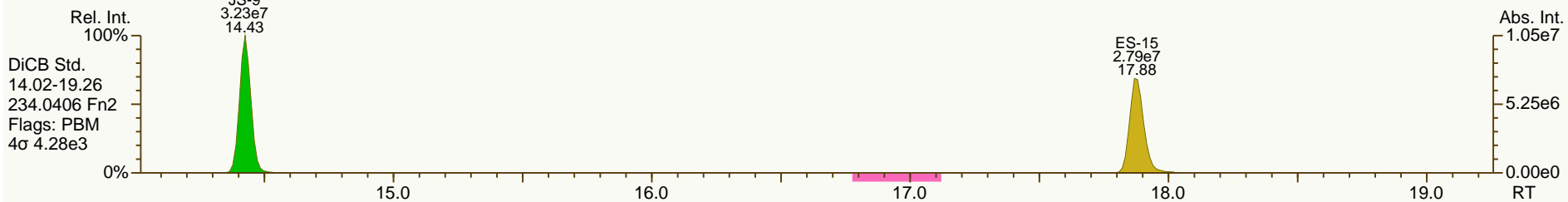
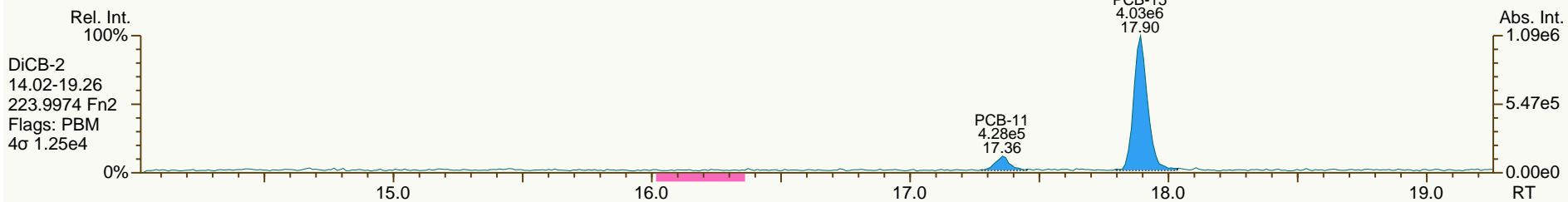
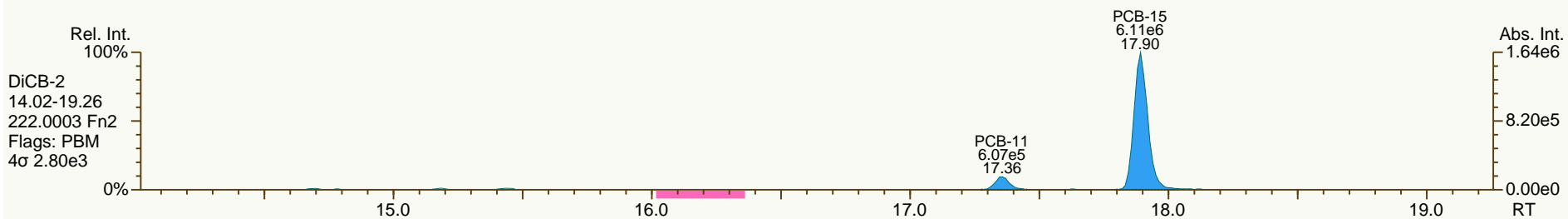
CS PCB-28	100	84	40	-	125	Y
CS PCB-111	100	107	40	-	125	Y
CS PCB-178	100	88.4	40	-	125	Y

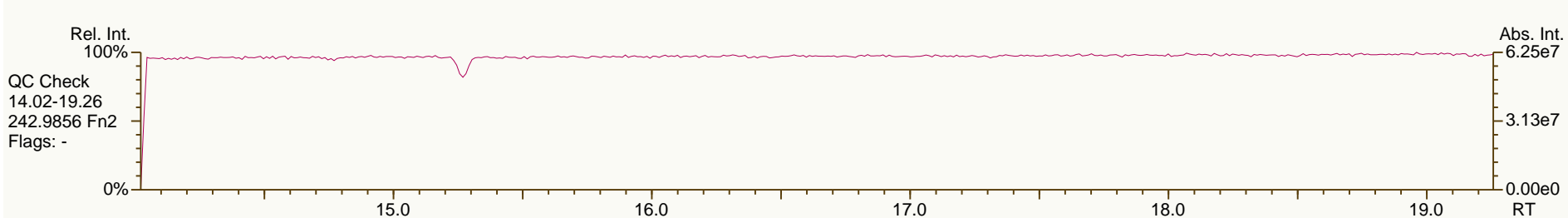
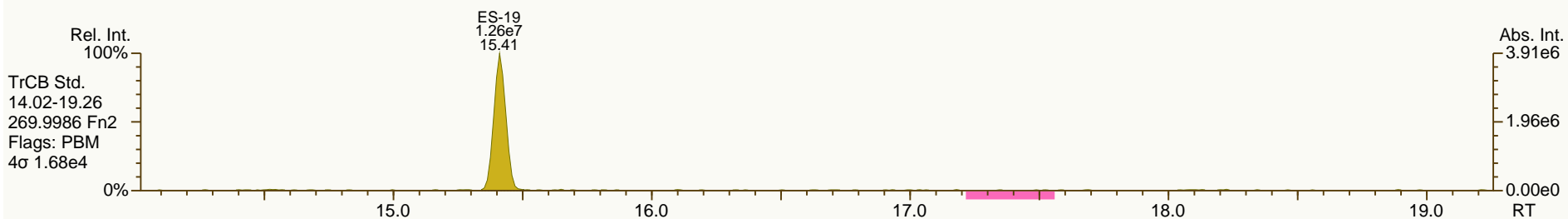
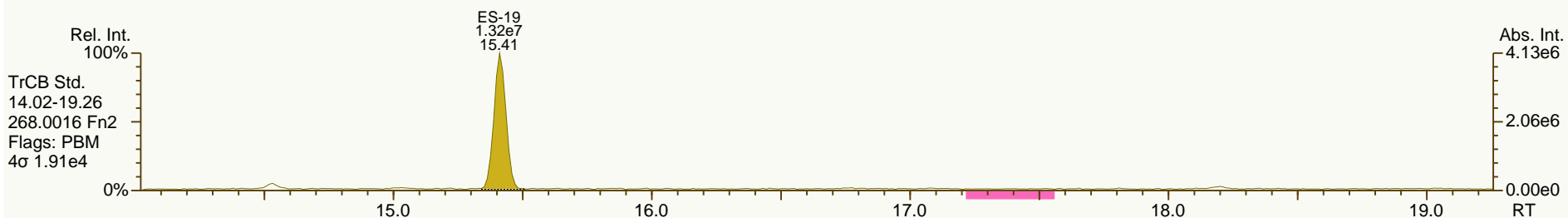
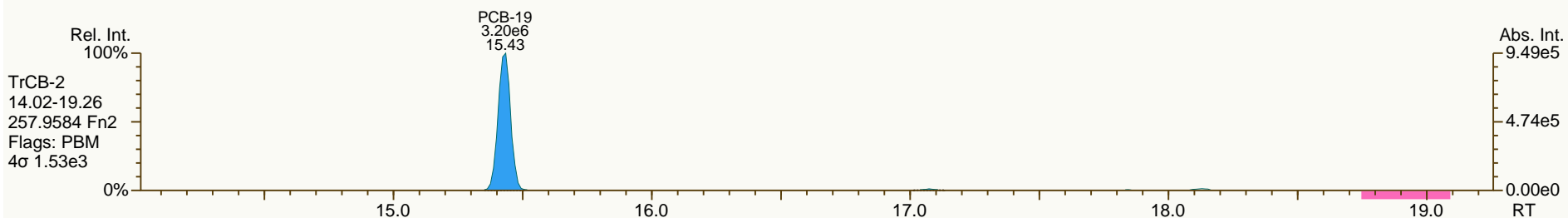
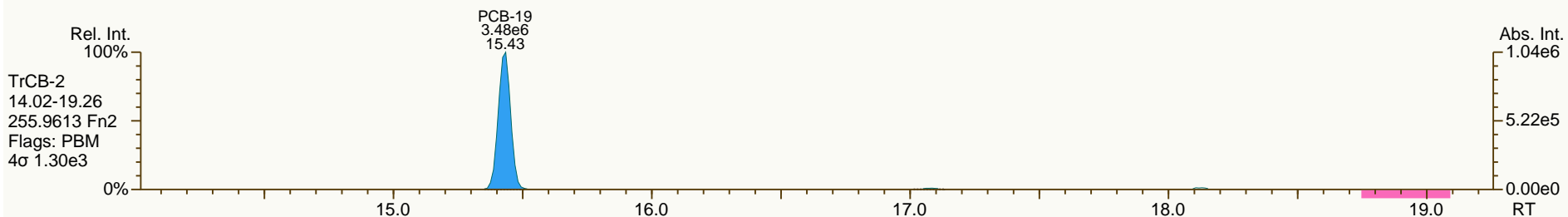
Processed: 30 Oct 2012 10:37 Analyst: CM







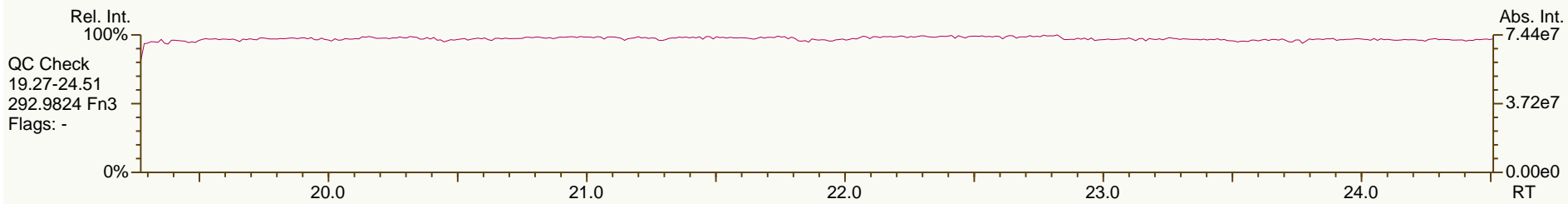
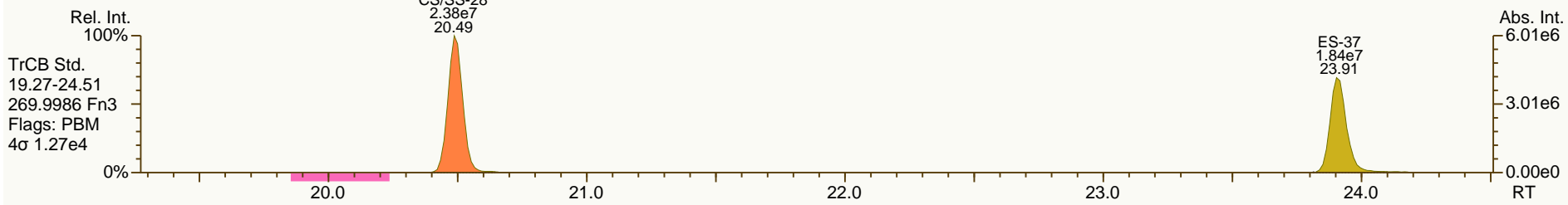
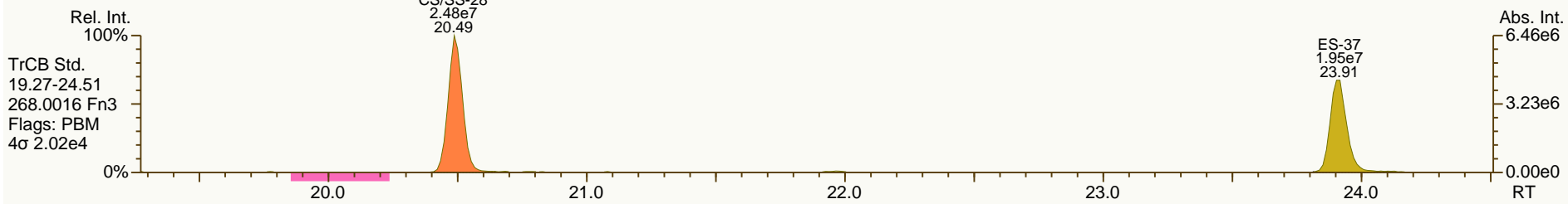
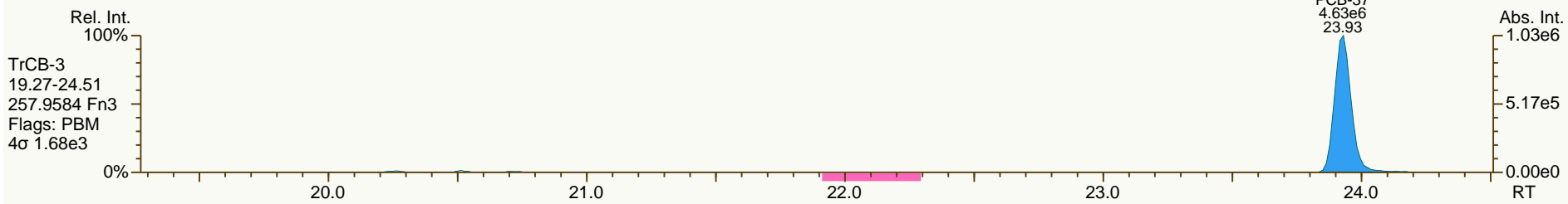
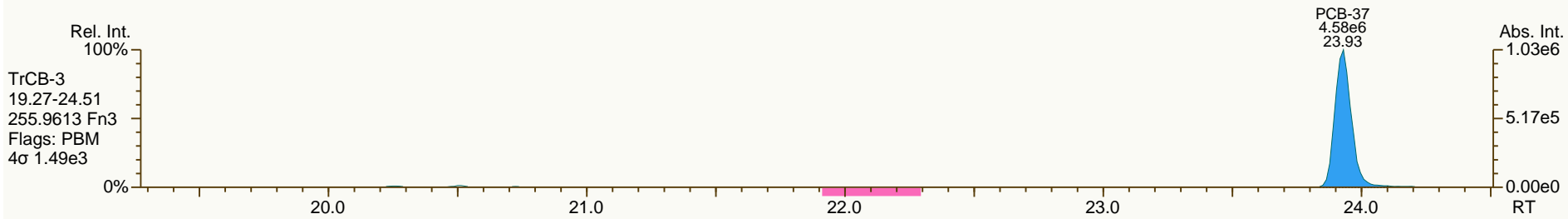


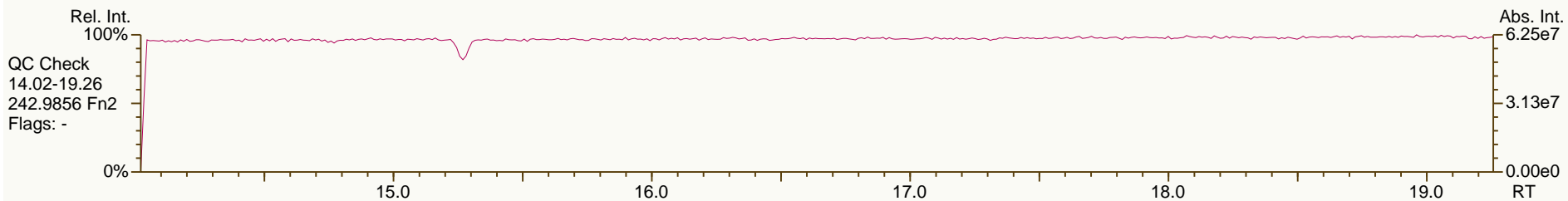
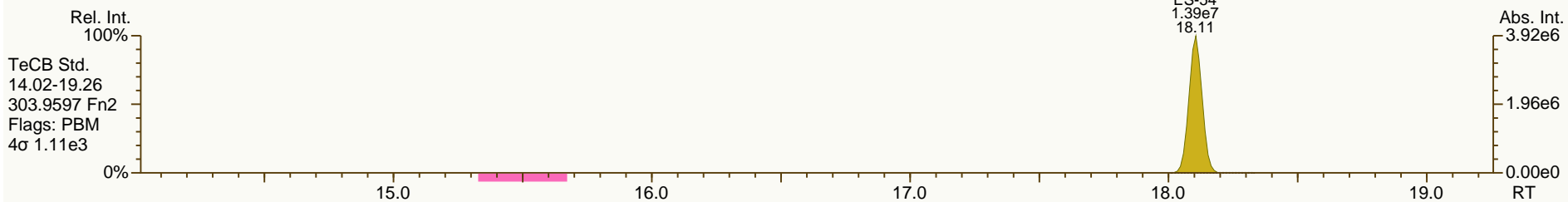
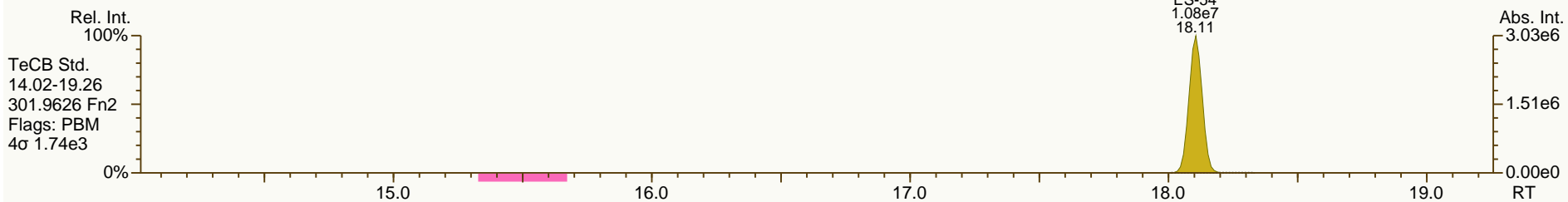
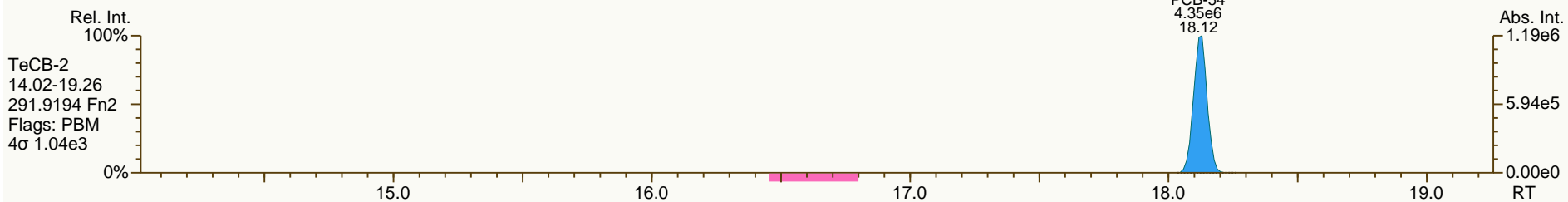
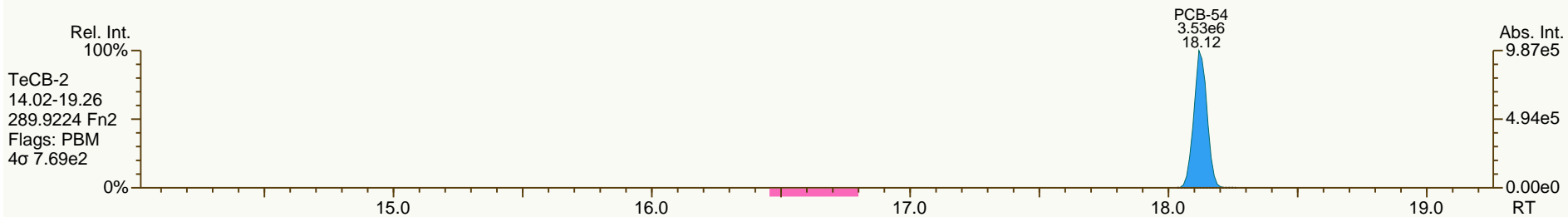


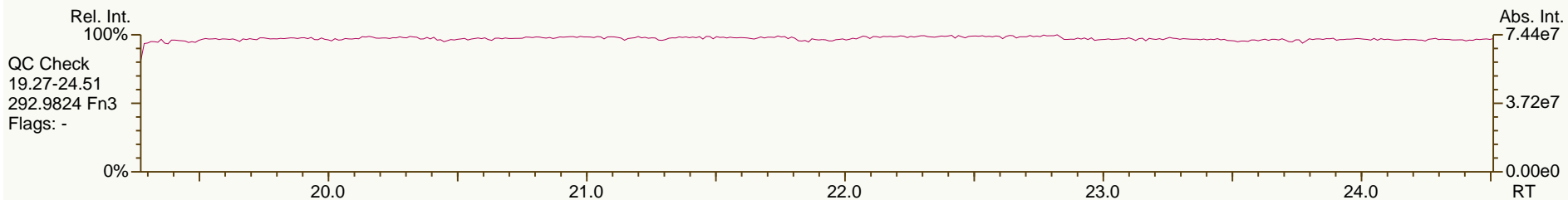
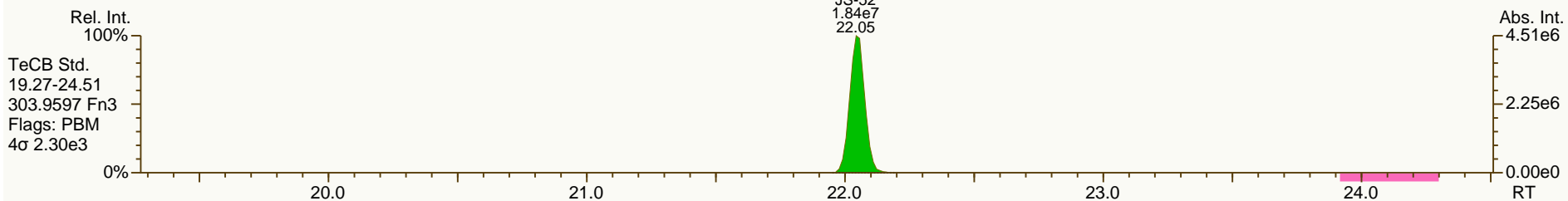
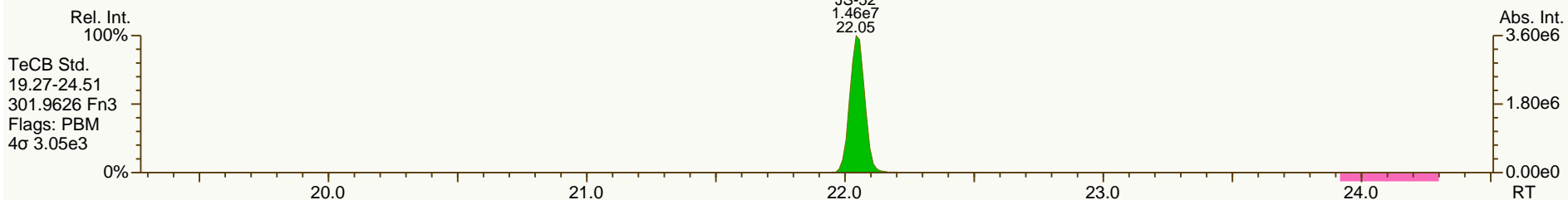
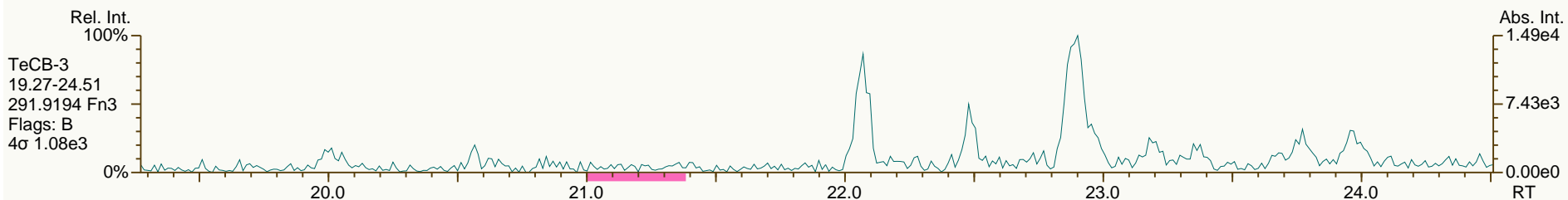
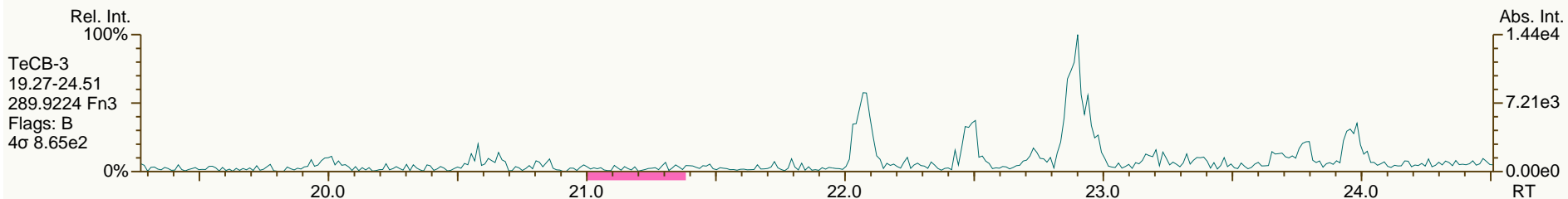
SGS-AP ID: OPR1_10237_PCB
Instr: AutoSpec-Premier MM7

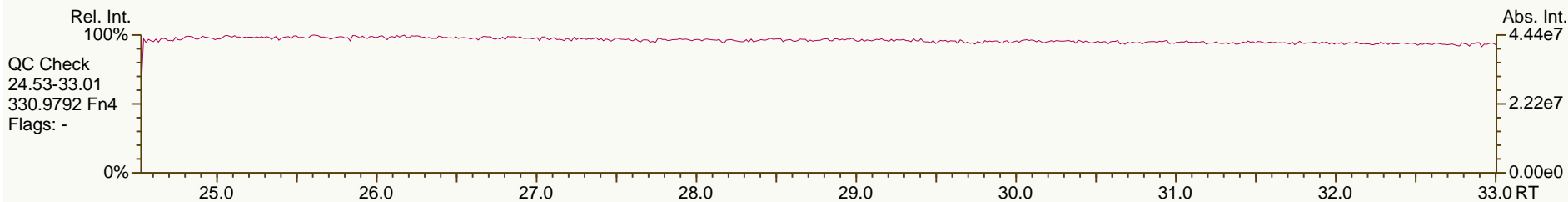
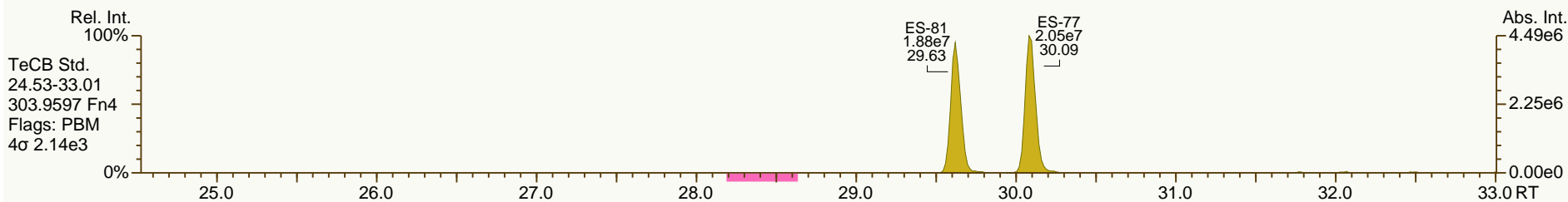
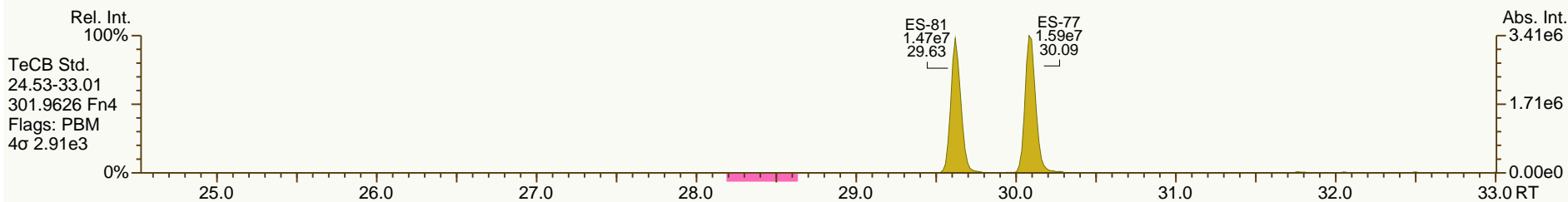
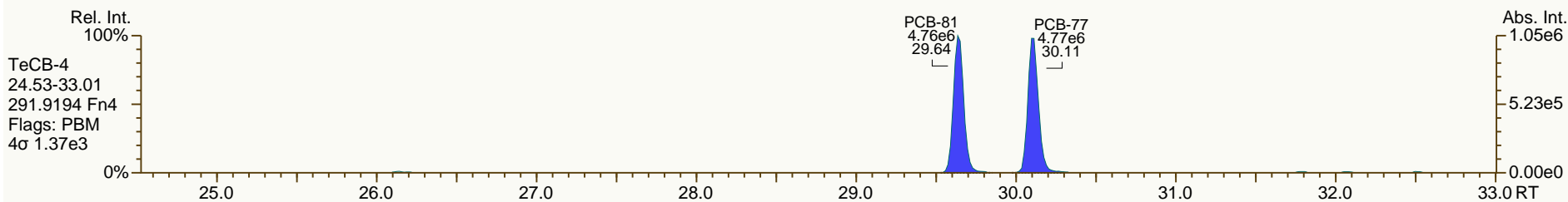
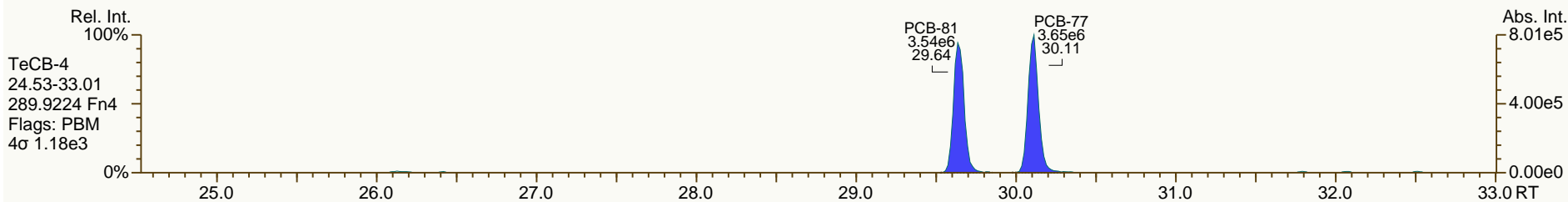
Sample ID: 0_10237_OPR001
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 29

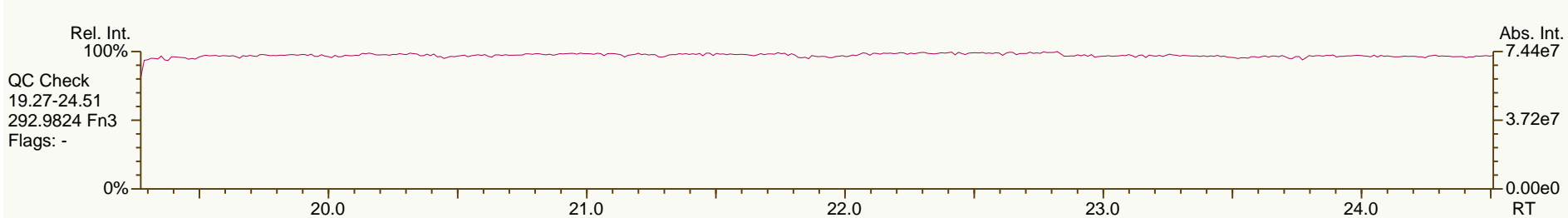
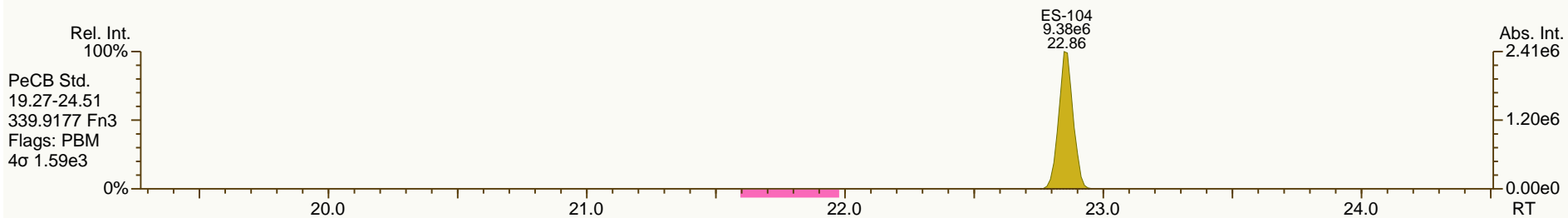
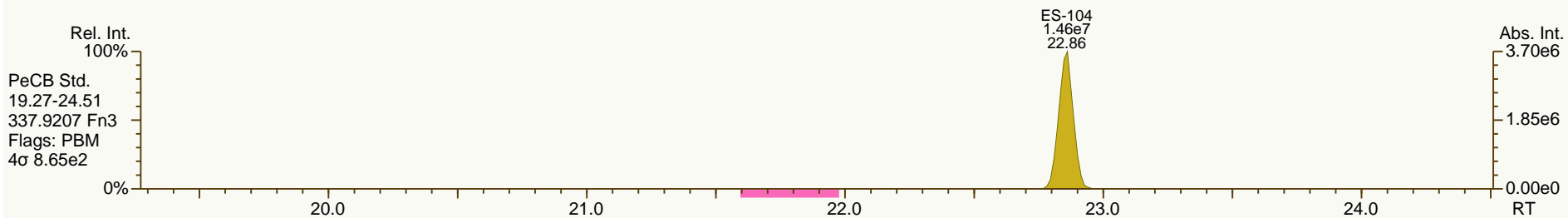
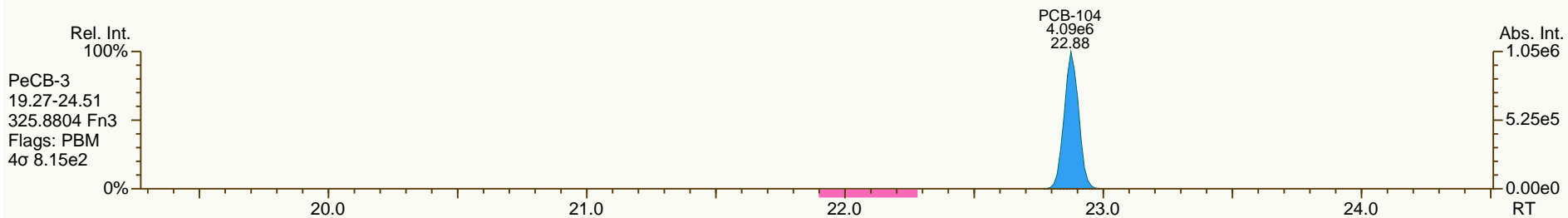
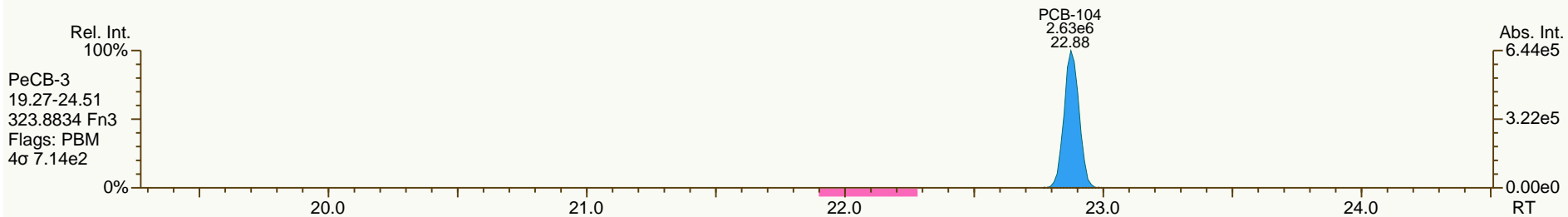
Acq: 24-Oct-2012 20:20:20
User: LKB Datafile: 121024X19

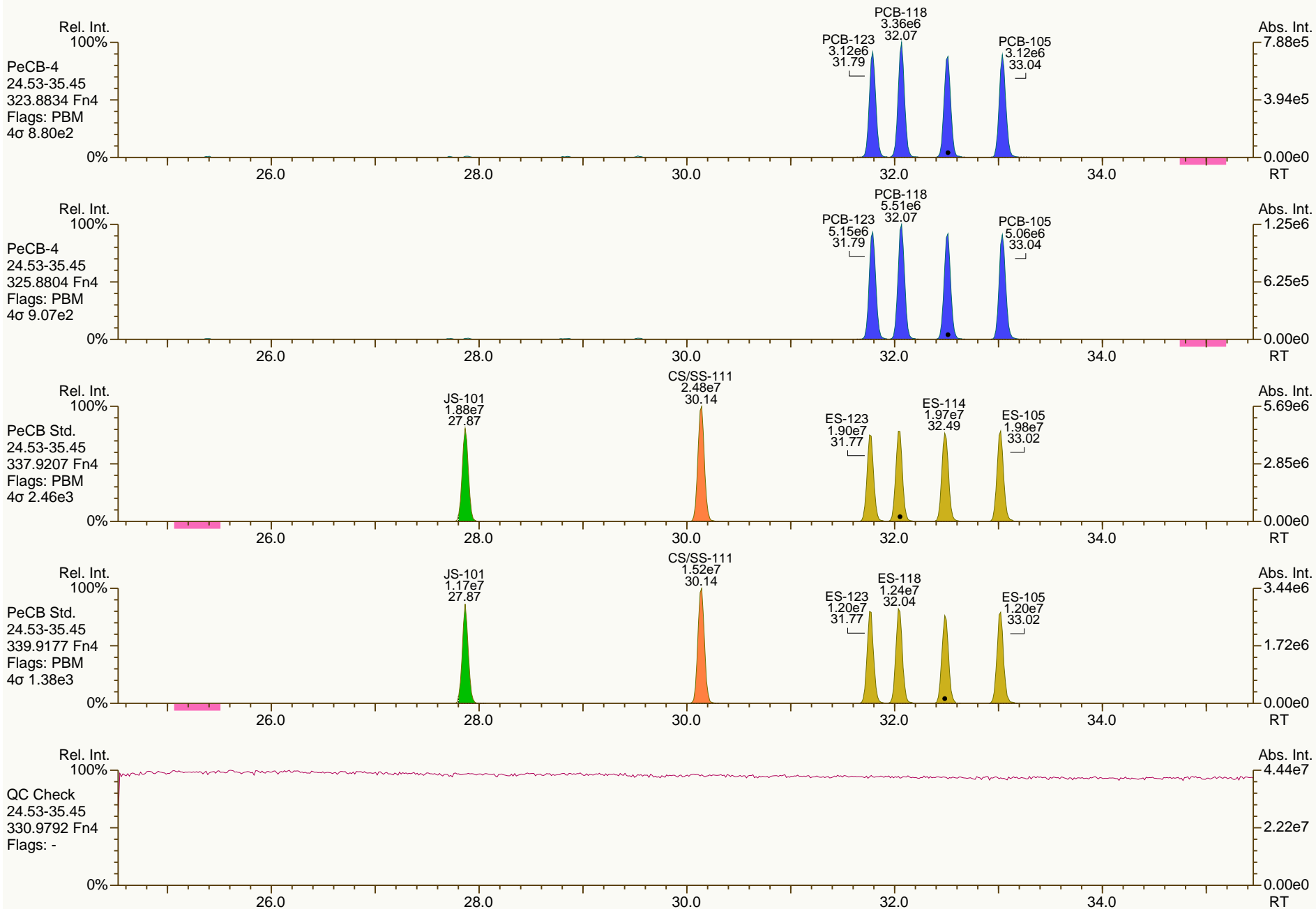


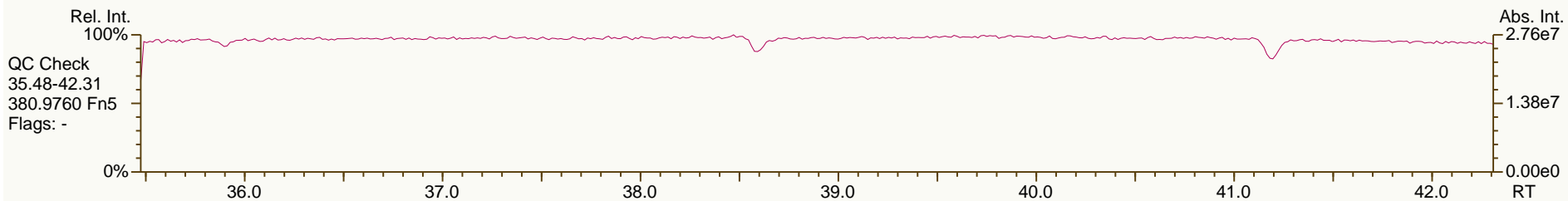
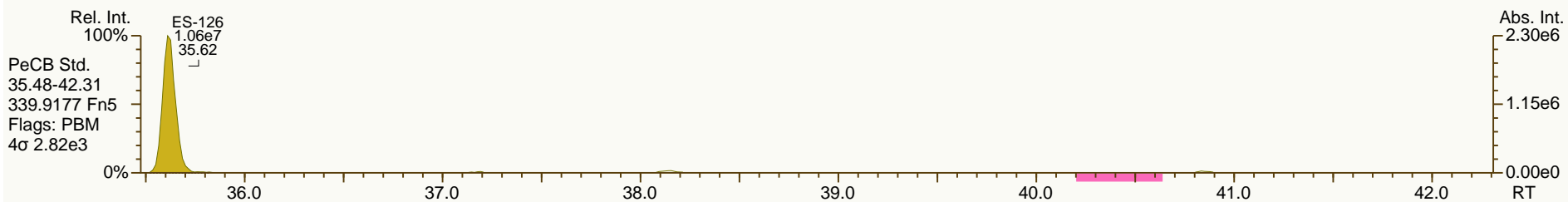
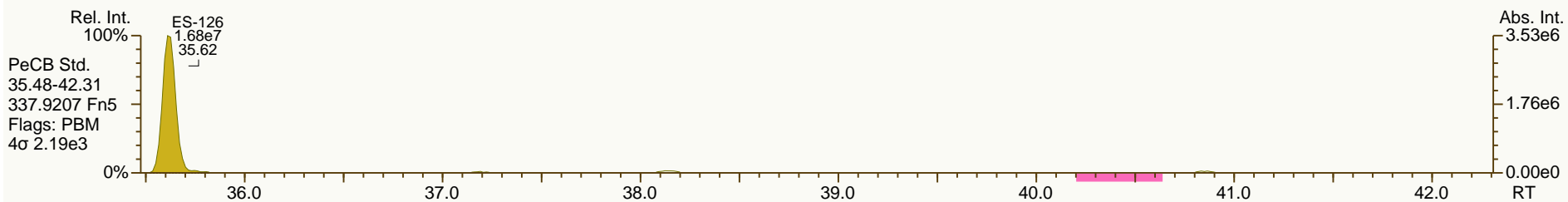
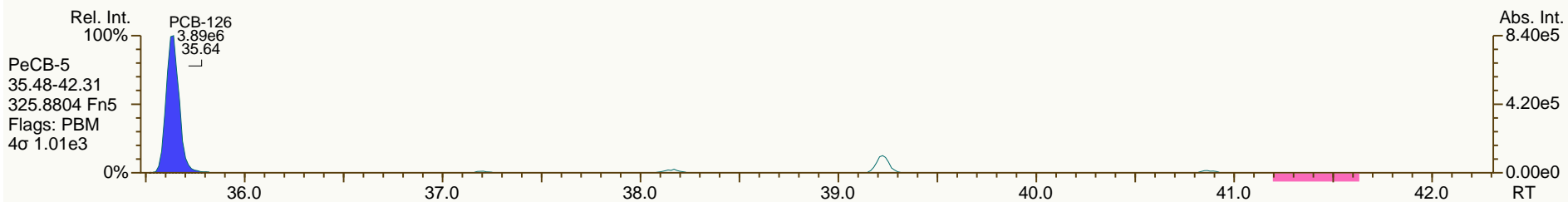
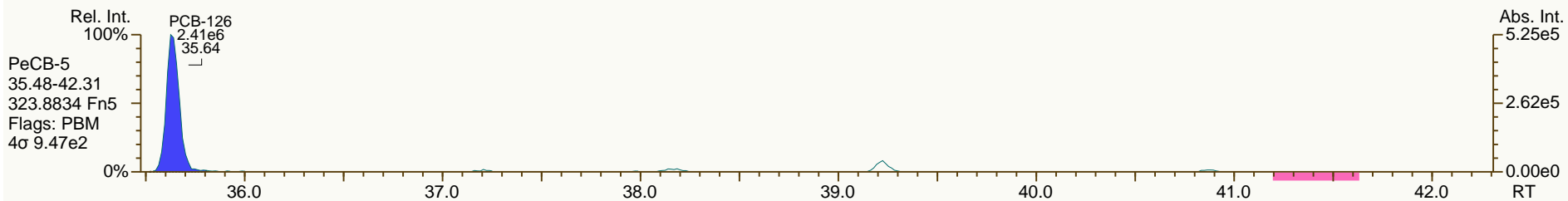


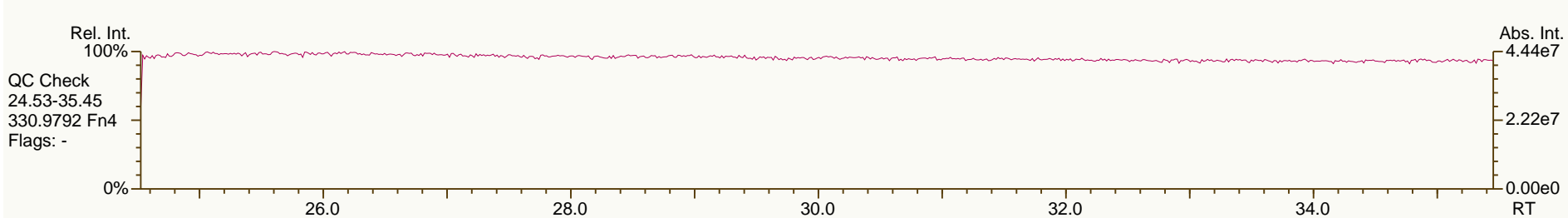
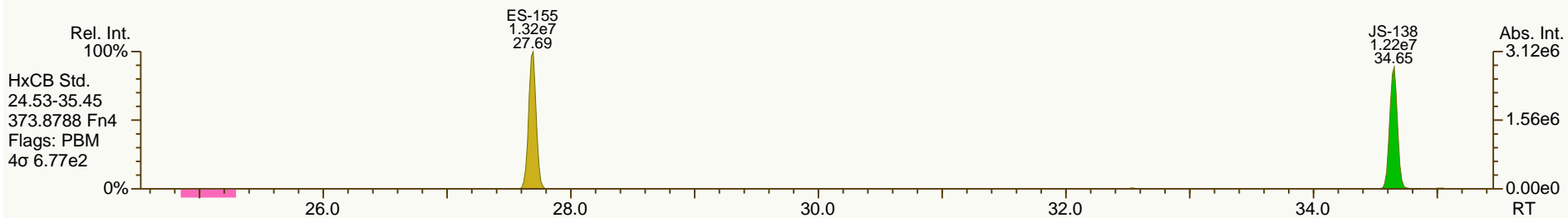
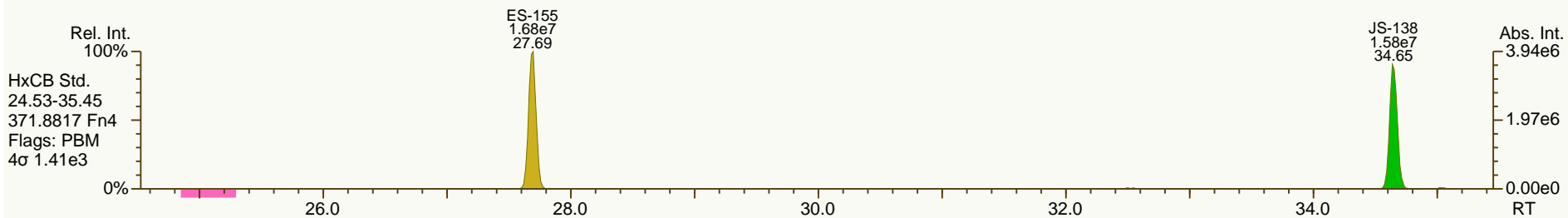
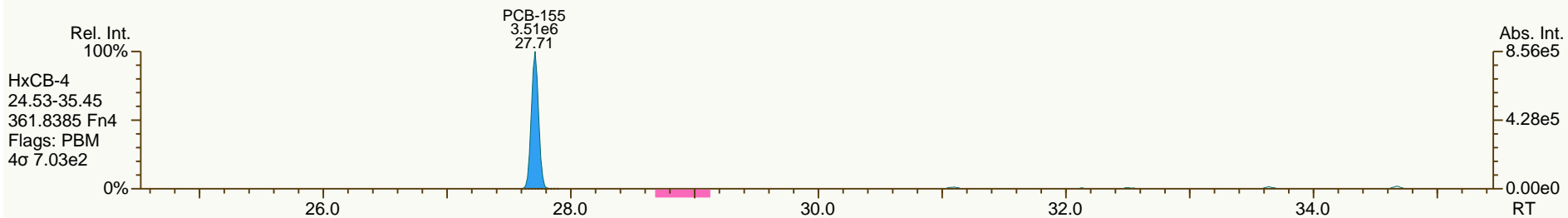
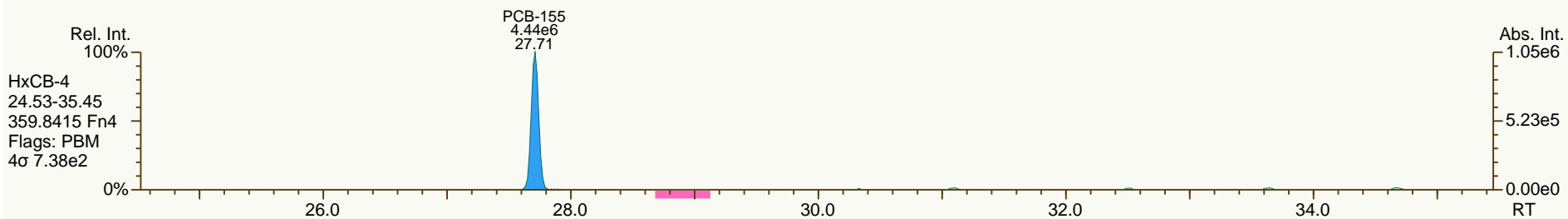


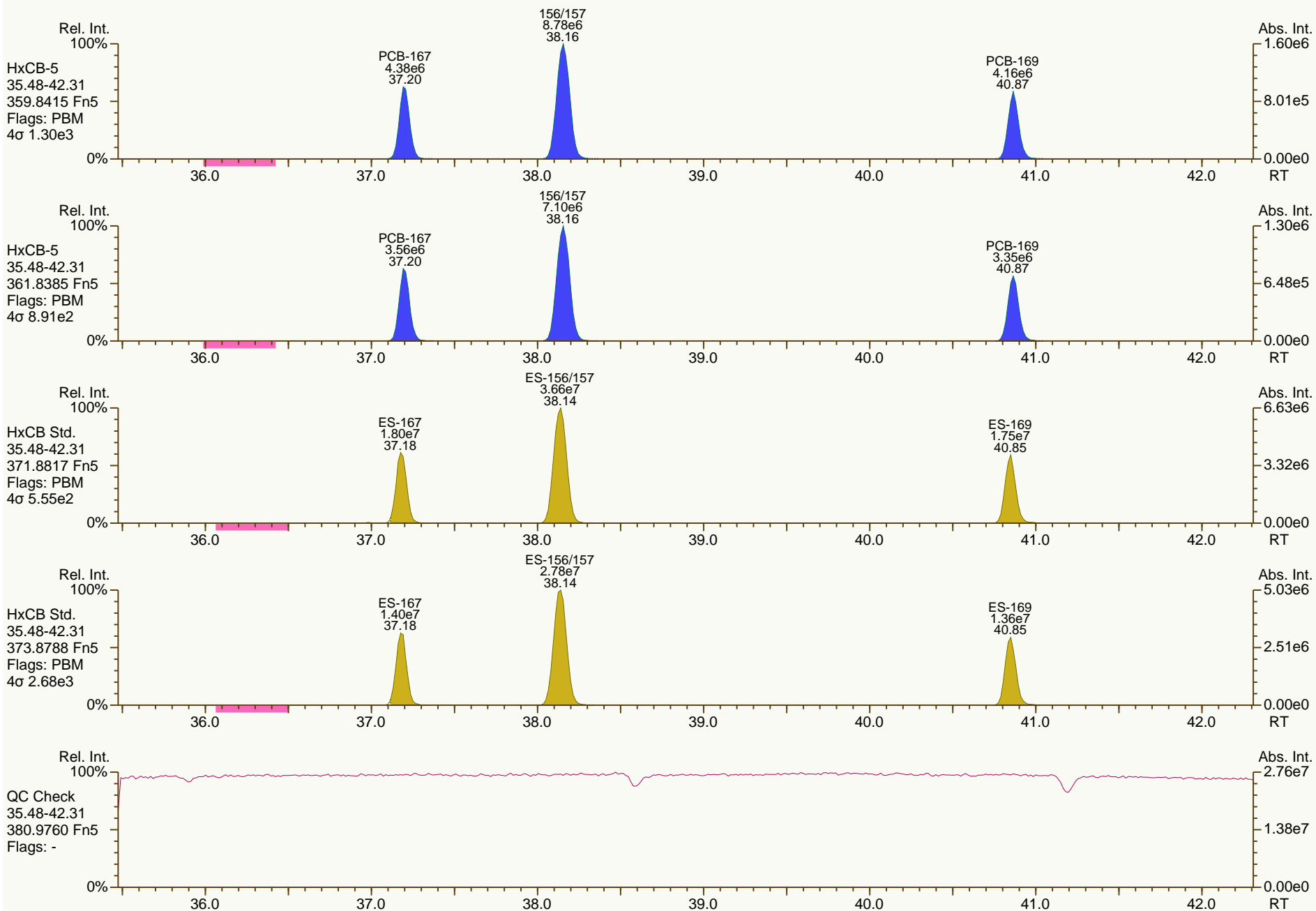


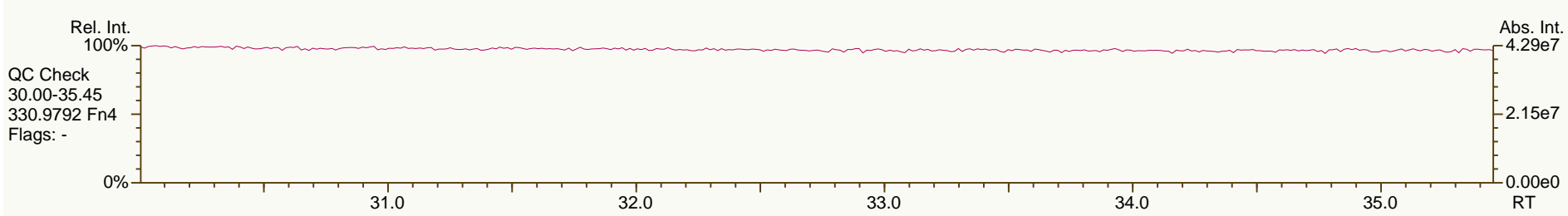
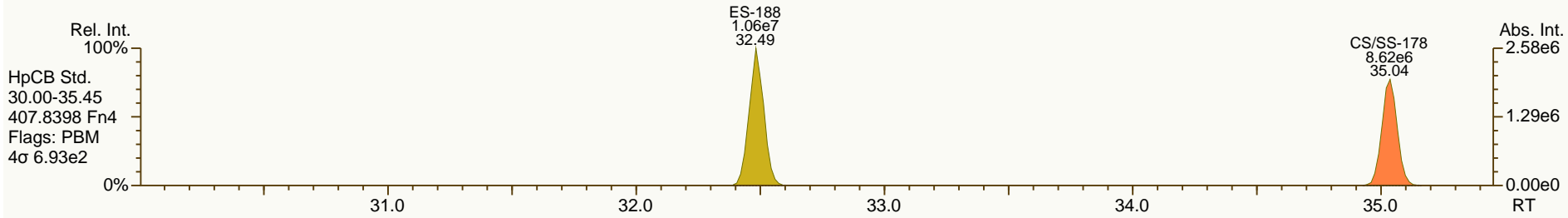
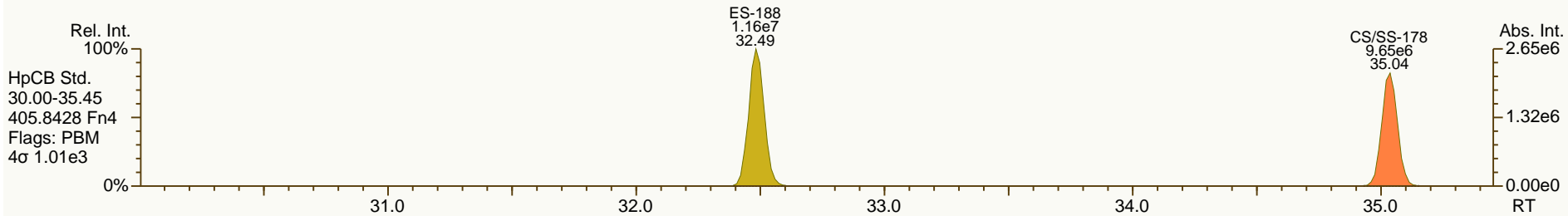
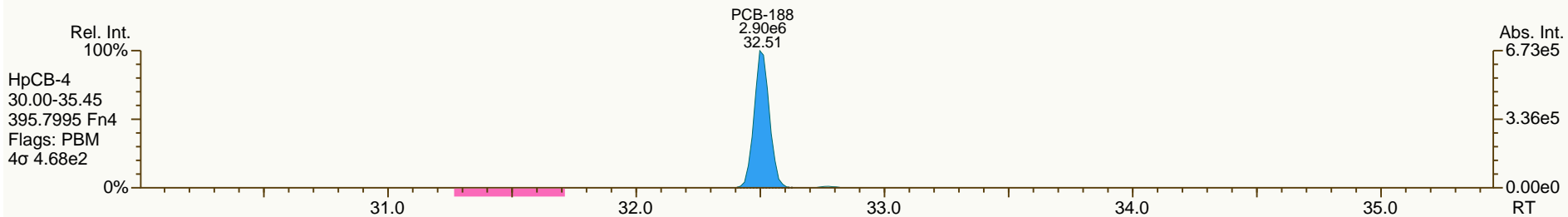
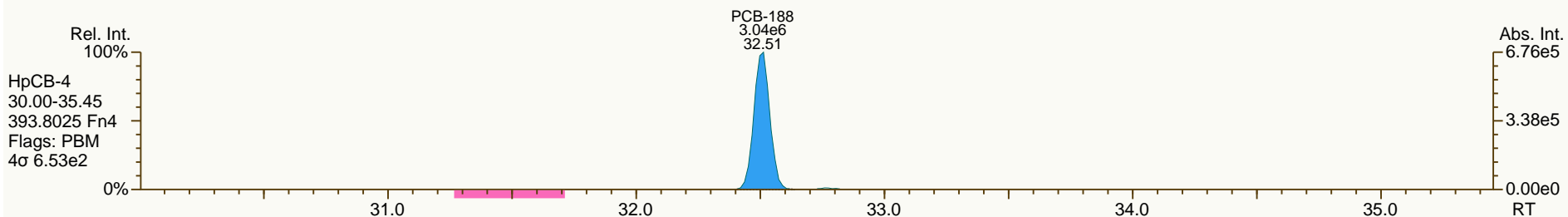


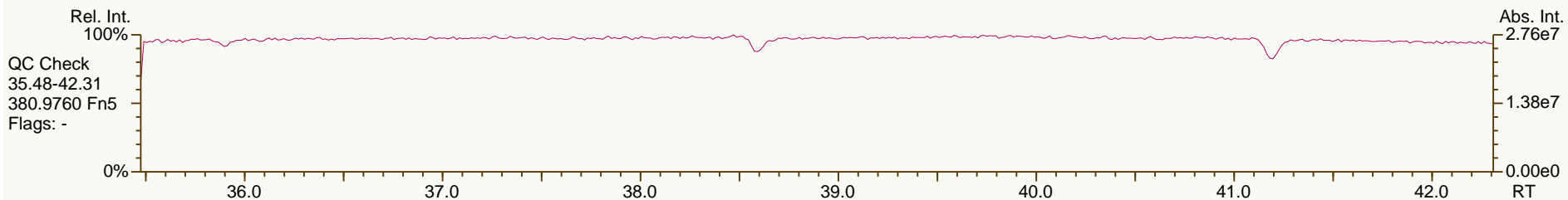
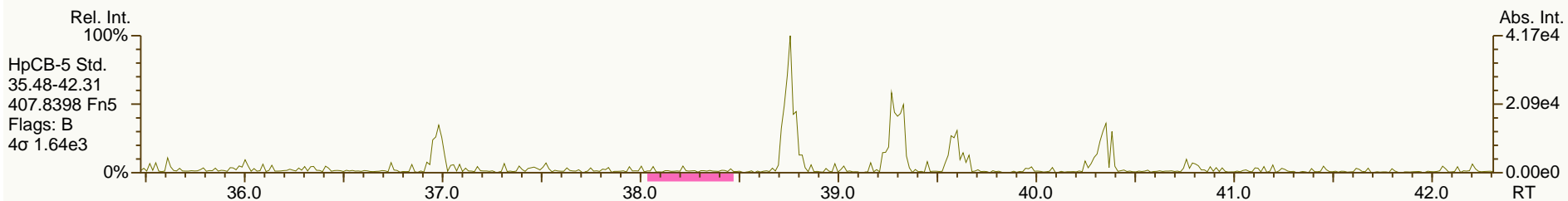
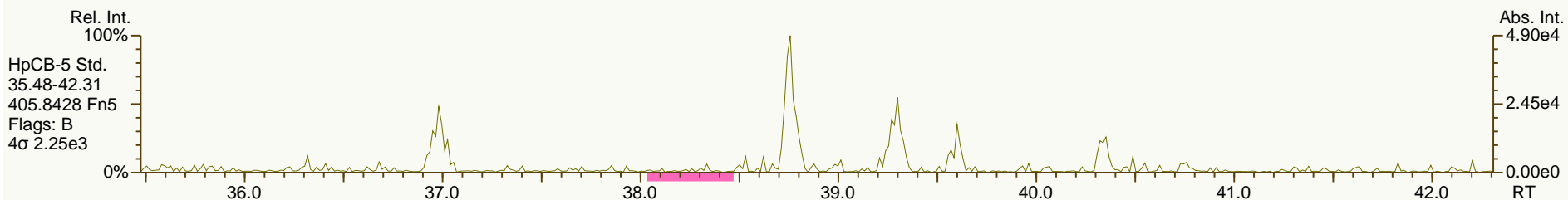
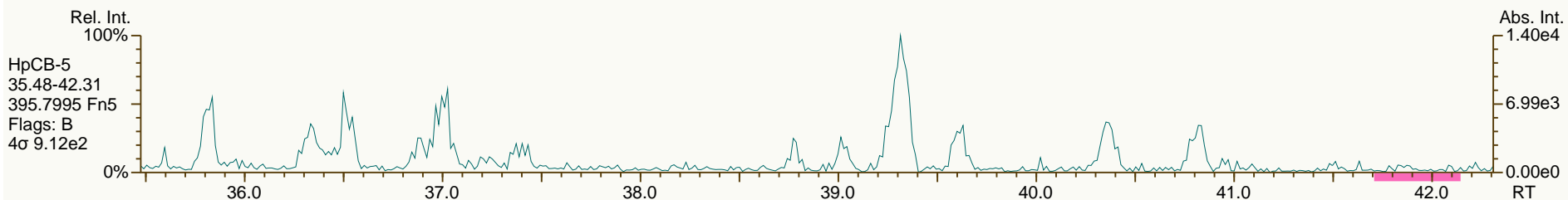
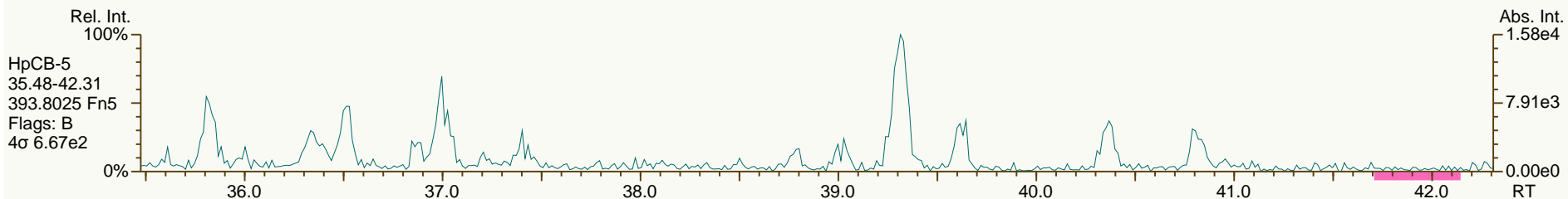


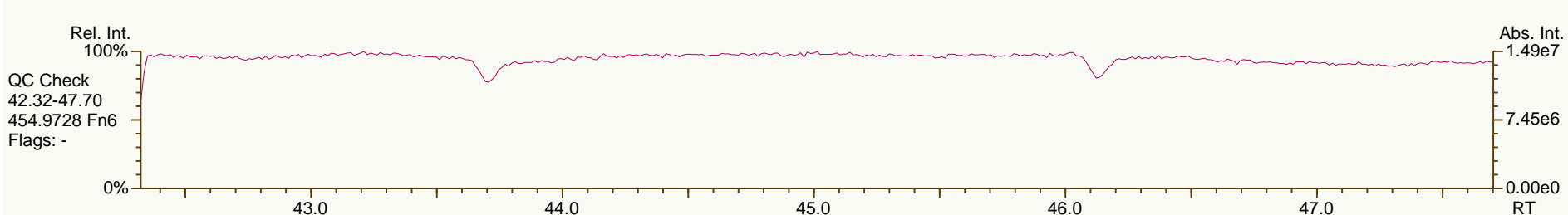
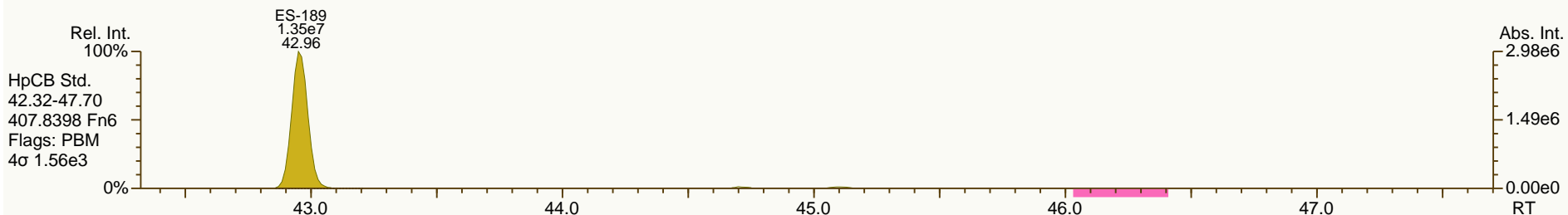
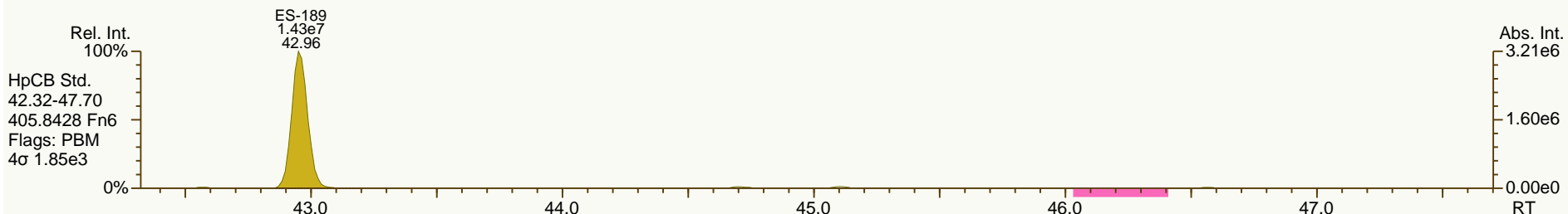
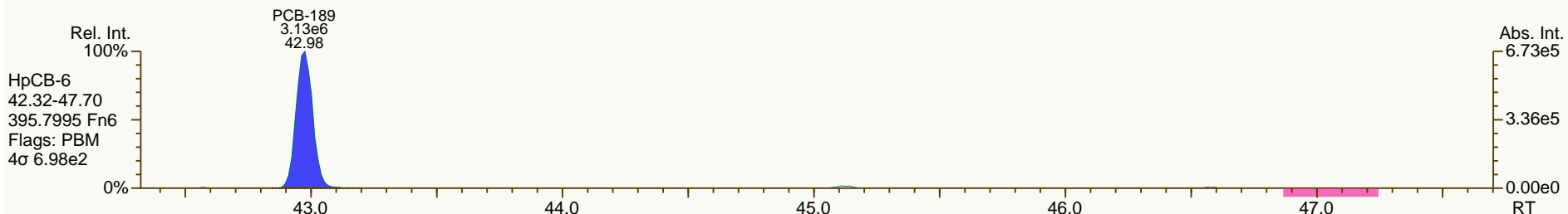
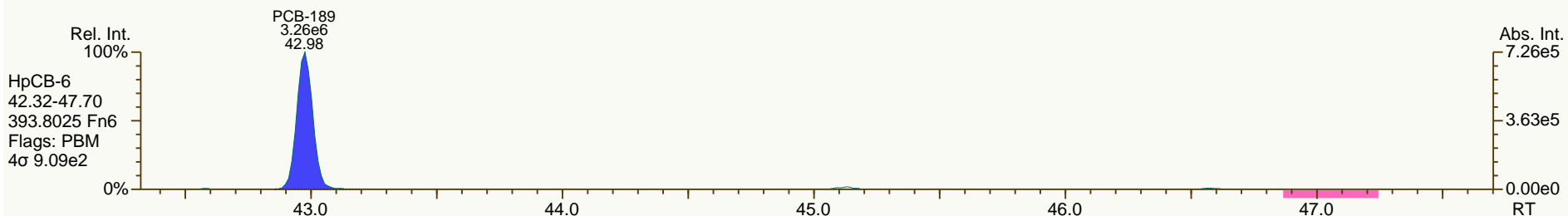


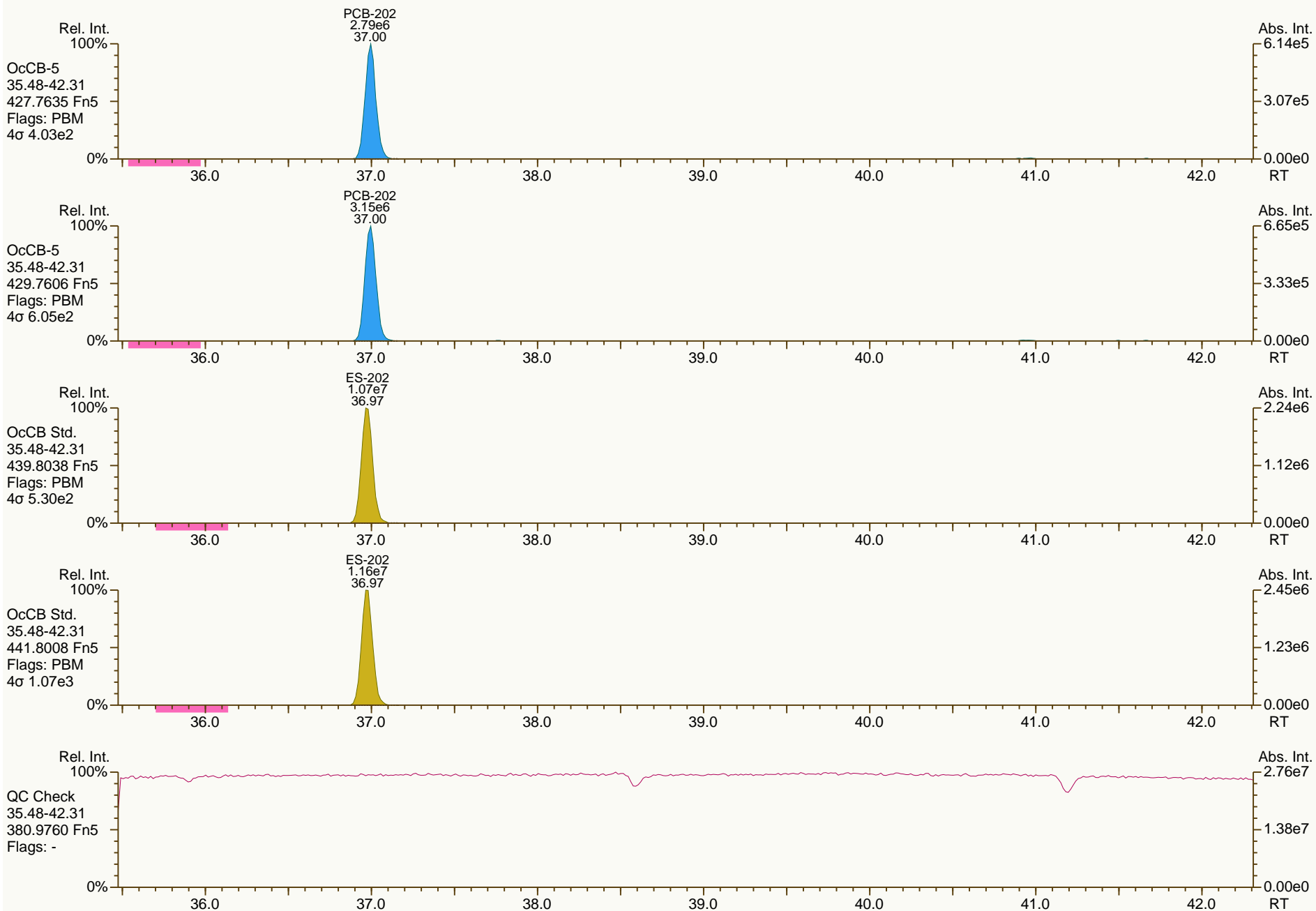


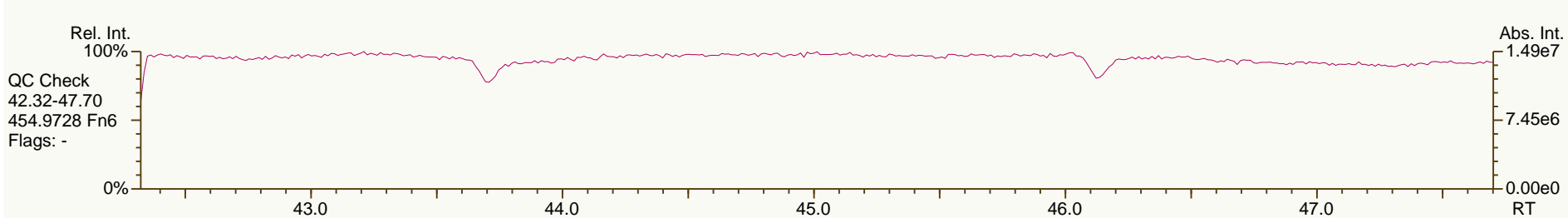
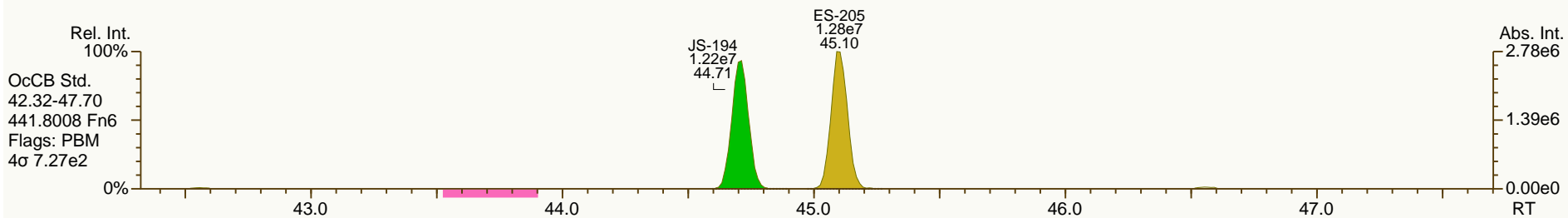
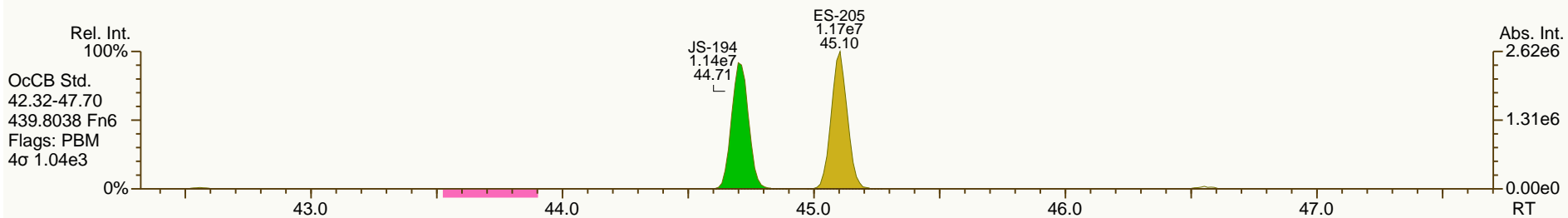
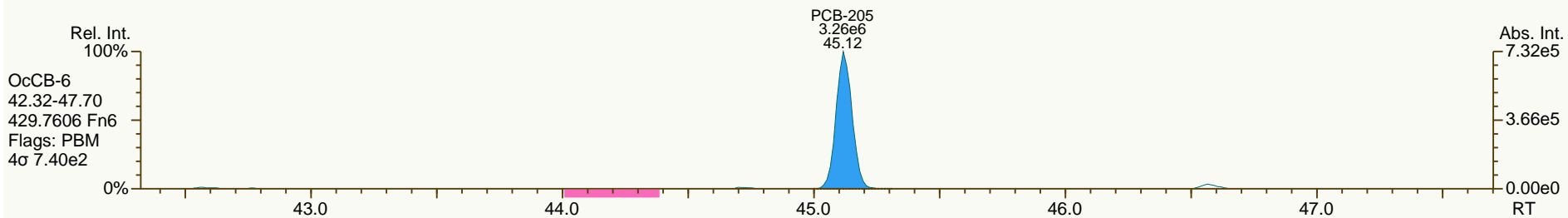
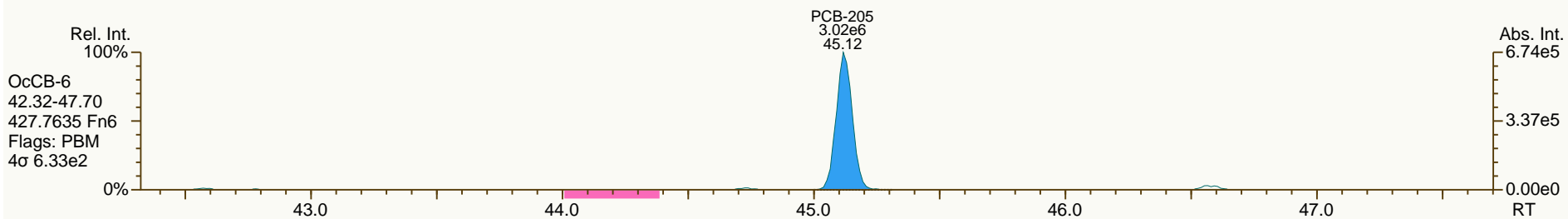


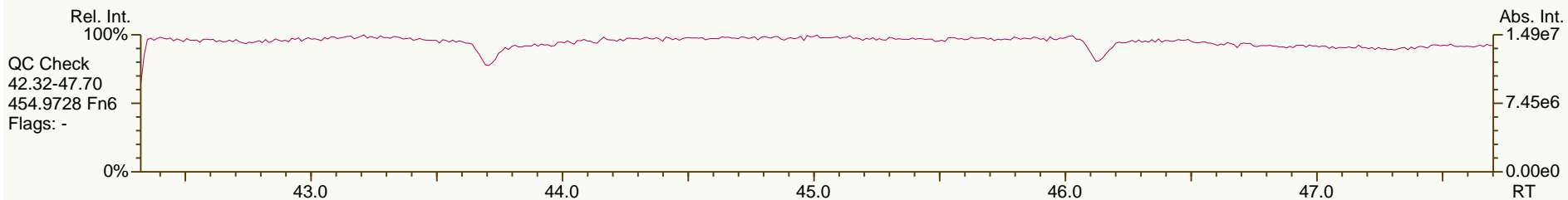
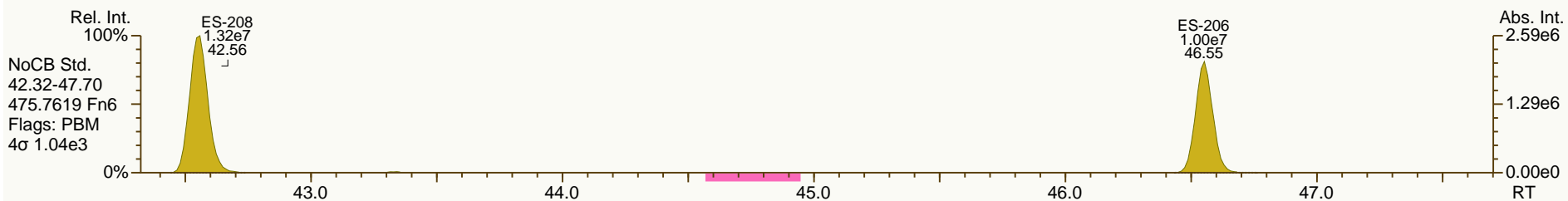
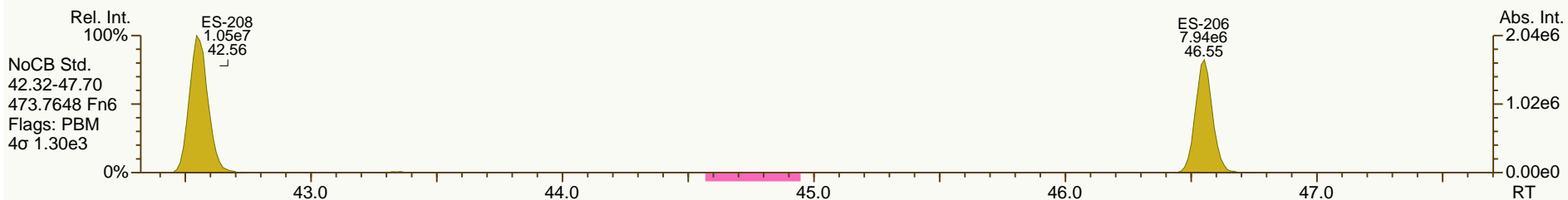
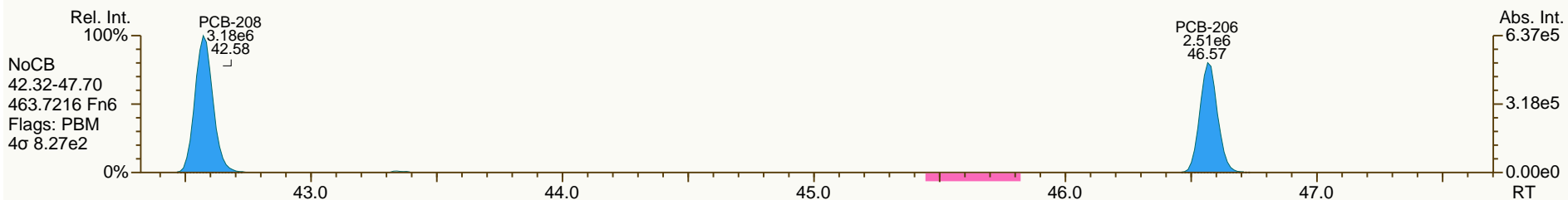
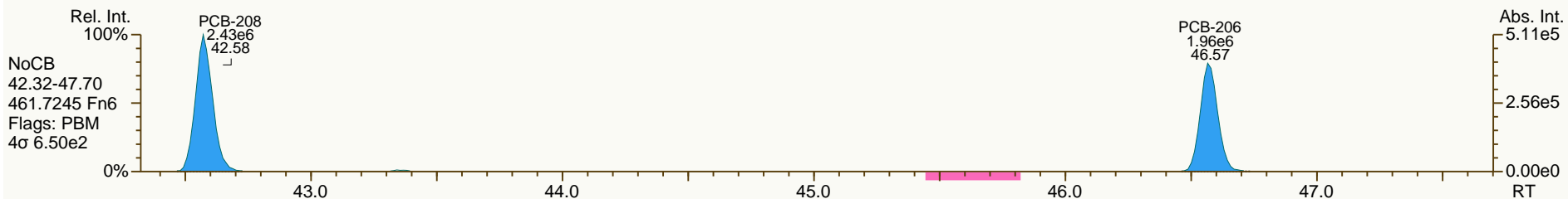


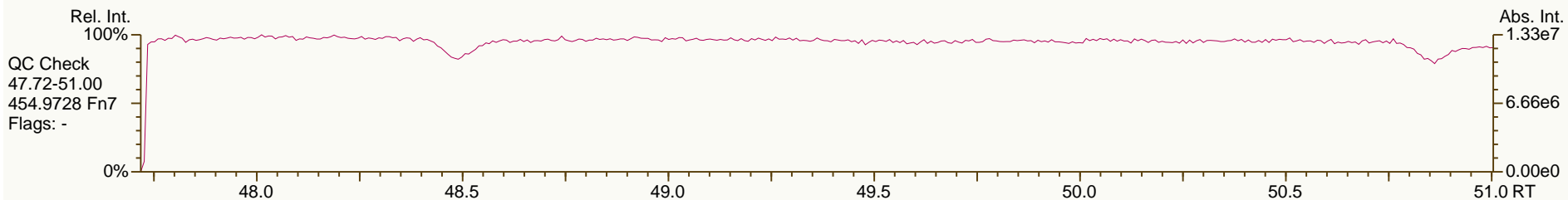
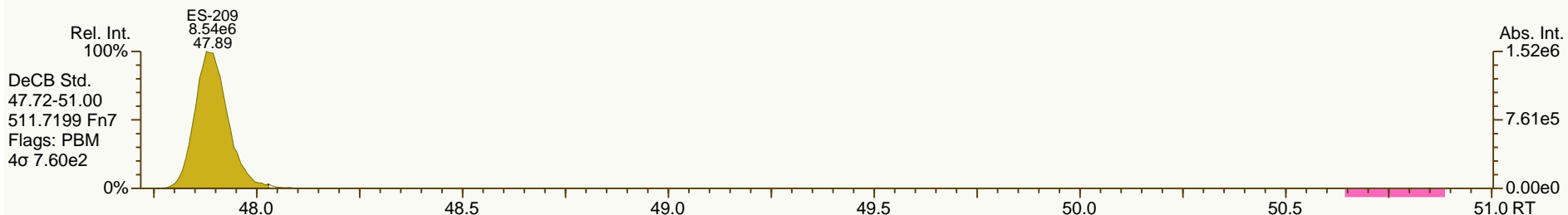
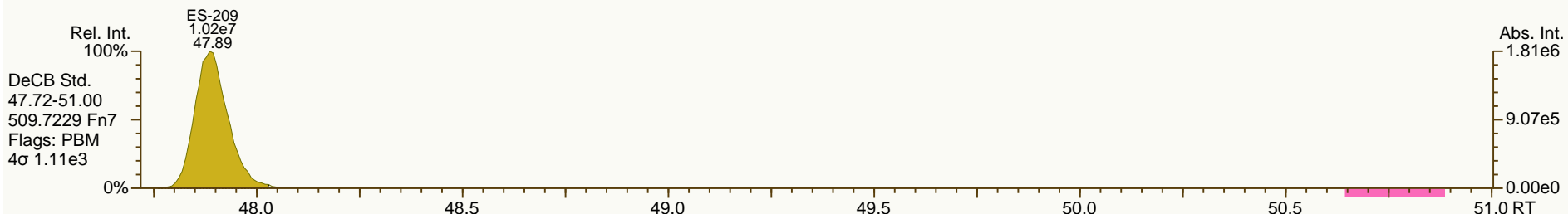
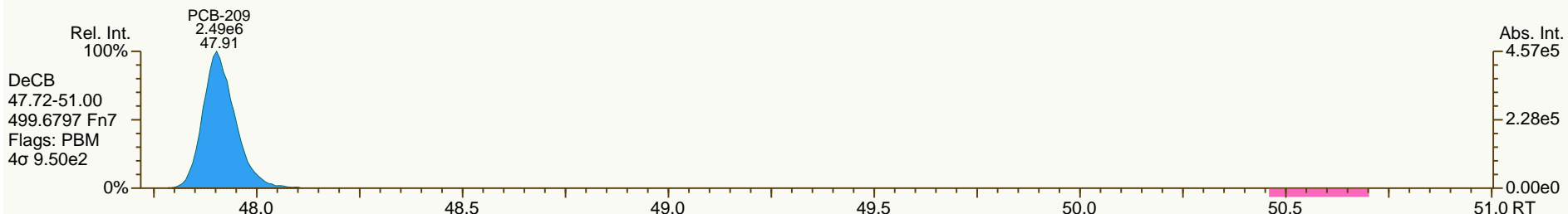
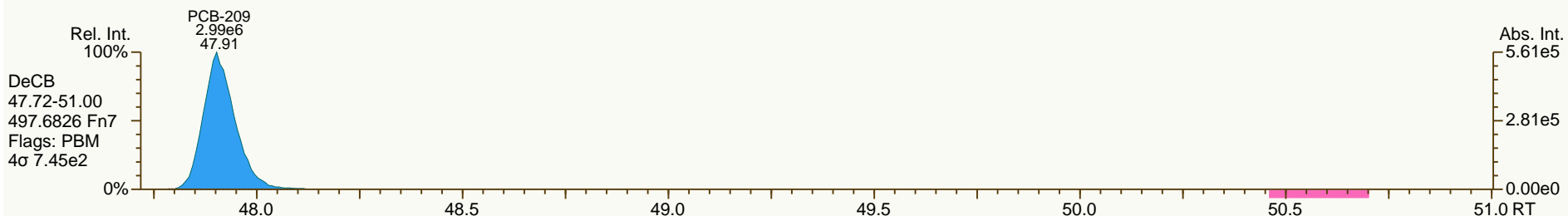












HXX 1816/1817



Project Initiation Form

Project Number: A4723

Initiation Date: 09-Oct-12

Client Name: JELDWENOR

Sample Matrix: Soil

Analysis Method: 1613 PCDD/F /1668

TAT: 15 days

Project Manager: Amy

Special Instructions

7 samples M1613, 2 samples for 1668A

5500 spikes, OPR

%solids, report on dry-weight basis

report, INV via Horizon

Y 85 For PCB/PF

Reporting Instructions

7 samples M1613, 2 samples for 1668A

5500 spikes, OPR

%solids, report on dry-weight basis

report, INV via Horizon

PM Initials: aboehm

Date: 09-Oct-2012

SGS ANALYTICAL PERSPECTIVES		1613 PCDD/F				Solids	
Project #		A4723		Batch #		10237	
SPIKE PROFILE PCDD/Fs							
Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
PCDD/F	ES	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	AS/CS	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	Ax BCS3	0.2 ng	200 uL	1 pg/uL	1	20 uL	Td
	JS	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	Td Batch CS3		20 uL			20 uL	Td
Spiker Initials/Date: <i>WJS 10/16/12</i> <i>WJS 10/16/12</i> <i>JAK 10/19/12</i>							
AP Sample ID	Client Sample ID	PCDD/F ES	PCDD/F Mx	PCDD/F CS	PCDD/F JS	Amount:	Amount:
		Amount: <i>40uL</i>	Amount: <i>40uL</i>	Amount: <i>40uL</i>	Amount: <i>20uL</i>	Observer Initials	Observer Initials
A4723_10237_001	JW-EA10-SS41-120507	<i>mdl</i>	<i>---</i>	<i>mdl</i>	<i>VS</i>		
A4723_10237_002	JW-EA10-SS40-120507	<i>mdl</i>	<i>---</i>	<i>mdl</i>	<i>VS</i>		
A4723_10237_003	JW-EA10-SS39-120507	<i>mdl</i>	<i>---</i>	<i>mdl</i>	<i>VS</i>		
A4723_10237_004	JW-EA09-SS38-120507	<i>mdl</i>	<i>---</i>	<i>mdl</i>	<i>VS</i>		
A4723_10237_005	JW-EA09-SS37-120507	<i>mdl</i>	<i>---</i>	<i>mdl</i>	<i>VS</i>		
A4723_10237_006	JW-EA10-SS42-120507	<i>mdl</i>	<i>---</i>	<i>mdl</i>	<i>VS</i>		
A4723_10237_007	JW-EA10-SS43-120507	<i>mdl</i>	<i>---</i>	<i>mdl</i>	<i>VS</i>		
MB1_10237	Method Blank	<i>mdl</i>	<i>---</i>	<i>mdl</i>	<i>VS</i>		
OPR1_10237	0_10237_OPR001	<i>mdl</i>	<i>mdl</i>	<i>mdl</i>	<i>VS</i>		
		<i>10-16-12</i>	<i>10-16-12</i>	<i>10-19-12</i>	<i>10-22-12</i>		
Standard Information							
Std. Type		PCDD/F ES	PCDD/F Mx	PCDD/F CS	PCDD/F JS		
Spike ID		<i>540-91</i>	<i>540-86</i>	<i>540-85</i>	<i>540-96</i>		
SIL #		<i>---</i>	<i>---</i>	<i>---</i>	<i>---</i>		
Concentration		<i>0.05</i>	<i>0.005</i>	<i>0.01</i>	<i>0.1</i>		
Units		ng/μL	ng/μL	ng/μL	ng/μL		
Exp. Date		<i>10/2/13</i>	<i>10/2/13</i>	<i>9-20-13</i>	<i>10-17-13</i>		
Spike amount (μL)		40	40	40	20		

SGS ANALYTICAL PERSPECTIVES		1668 PCB			Solids		
Project # A4723		Batch # 10237		SPIKE PROFILE PCBs			
Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
PCB	ES	2 ng	20 uL	100 pg/uL	1	20 uL	Nonane
	CS	2 ng	20 uL	100 pg/uL	1	20 uL	Nonane
	JS	2 ng	10 uL	200 pg/uL	1	20 uL	Nonane
	AAP68A Batch CS3	1 ng	20 uL	50 pg/uL	1	20 uL	Nonane
	AAP68A	1 ng	20 uL	50 pg/uL	1	20 uL	Nonane
Spiker Initials/Date: <i>WSS 10/16/12</i> <i>WSS 10/16/12</i> <i>JLK 10/19/12</i> <i>MHA 10-22-12</i>							
AP Sample ID	Client Sample ID	PCB ES	PCB Mx	PCB CS	PCB JS		
		Amount: <i>40µL</i>	Amount: <i>50µL</i>	Amount: <i>40µL</i>	Amount: <i>20µL</i>	Amount:	
		Observer Initials	Observer Initials	Observer Initials	Observer Initials	Observer Initials	
A4723_10237_004	JW-EA09-SS38-120507	<i>nnl</i>	<i>---</i>	<i>nnl</i>	<i>VS</i>		
A4723_10237_005	JW-EA09-SS37-120507	<i>nnl</i>	<i>---</i>	<i>nnl</i>	<i>VS</i>		
MB1_10237	Method Blank	<i>nnl</i>	<i>---</i>	<i>nnl</i>	<i>VS</i>		
OPR1_10237	0_10237_OPR001	<i>nnl</i>	<i>nnl</i>	<i>nnl</i>	<i>VS</i>		
		<i>10-16-12</i>	<i>16-16-12</i>	<i>10-19-12</i>	<i>10-22-12</i>		
Standard Information							
Std. Type		PCB ES	PCB Mx	PCB CS	PCB JS		
Spike ID		<i>S40-93</i>	<i>S40-52B</i>	<i>S40-74</i>	<i>S40-95</i>		
SIL #		<i>---</i>	<i>---</i>	<i>---</i>	<i>---</i>		
Concentration		<i>0.05</i>	<i>0.01</i>	<i>0.05</i>	<i>0.1</i>		
Units		ng/µL	ng/µL	ng/µL	ng/µL		
Exp. Date		<i>10/15/13</i>	<i>6/26/13</i>	<i>10-17-13</i>	<i>10-17-13</i>		
Spike amount (µL)		40	50	40	20		



1613 PCDD/F

Solid

Project # A4723 Batch # 10237

Inter-Department Communication Sheet

TD visually confirmed prior to JS spike. JS spiked directly into TD. wss 10/22/12

D/F JS shaken to homogenize prior to spiking. wss 10/22/12

Special Instructions

7 samples M1613, 2 samples for 1668A

5500 spikes, OPR

%solids, report on dry-weight basis

% Solids

ANALYTICAL PERSPECTIVES

Project: 4723

Chemist: wss

Batch #: _____

Date: 10/9/12

Procedure:

Tare Balance.

Add boat and weigh. Record "Boat Wt."

Add the sample (2-10 g) to the boat and record "Wet Wt. + Boat Wt." (total).

Dry in oven overnight @ 107° C.

Tare Balance

Return dish to topper and record "Residue + Boat Wt."

AP Sample ID	Boat Wt.	Wet Wt. + Boat Wt.	Chem/Date	Residue + Boat Wt.	Chem/Date	log et. Comments
001 A	1.34	7.32	wss	5.14 3.12	VS	} 15.46
B	1.34	5.56	wss	4.10 3.70	VS	
C	1.34	4.21	wss	3.21 2.49	VS	
002 A	1.34	4.16	wss	3.04 3.10	VS	} 16.74
B	1.34	4.19	wss	3.02 3.87	VS	
C	1.35	5.20	wss	3.66	VS	
003 A	1.34	4.04	wss	2.97	VS	} 16.47
B	1.35	3.77	wss	2.80	VS	
C	1.35	4.94	wss	3.57	VS	
004 A	1.35	^{TE WTS 10/9/12} 3.96 3.93	wss	2.74	VS	} 18.70
B	1.34	4.09	wss	2.80	VS	
C	1.36	4.41	wss	2.99	VS	
005 A	1.32	5.78	wss	4.60	VS	} 13.81
B	1.31	6.22	wss	4.84	VS	
C	1.32	4.76	wss	3.79	VS	
006 A	1.31	5.32	wss	3.65 2.73	VS	} 17.02
B	1.31	6.70	wss	4.52	VS	
C	1.31	4.36	wss	3.09	VS	

Analytical Perspectives - Injection Log

Run file: 121028p1
 MS Method: DF_CL4-8B

GC Column: DB5
 GC Method: DB5MS_60M

Data file S#	Vial#	Lab ID	Sample ID (Chrom. Text)	Analyst	Acq date	Acq time
121028P1	1	8 ✓ CS3_121027_DF_PA	CS3_121027_DF_PA S40-67B 1	MDC		
121028P1	2	77 ✓ OPR1_10237_DF	OPR1_10237_DF	MDC		
121028P1	3	15 ✓ SBS_121028_DF_PA	SBS_121028_DF_PA solvent blank 1	MDC		
121028P1	4	76 ✓ MB1_10237_DF_SDS	MB1_10237_DF_SDS	MDC		
121028P1	5	78 ✓ A4723_10237_DF_001	A4723_10237_DF_001 JW-EA10-SS41-120507	MDC	10.18	
121028P1	6	79 ✓ A4723_10237_DF_002	A4723_10237_DF_002 JW-EA10-SS40-120507	MDC	10.11	
121028P1	7	80 ✓ A4723_10237_DF_003	A4723_10237_DF_003 JW-EA10-SS39-120507	MDC	10.08	
121028P1	8	81 ✓ A4723_10237_DF_004	A4723_10237_DF_004 JW-EA09-SS38-120507	MDC	10.14	
121028P1	9	82 ✓ A4723_10237_DF_005	A4723_10237_DF_005 JW-EA09-SS37-120507	MDC	10.09	
121028P1	10	83 ✓ A4723_10237_DF_006	A4723_10237_DF_006 JW-EA10-SS42-120507	MDC	10.19	
121028P1	11	84 ✓ A4723_10237_DF_007	A4723_10237_DF_007 JW-EA10-SS43-120507	MDC	10.05	
121028P1	12	15 ✓ SBS_121028_DF_PB	SBS_121028_DF_PB solvent blank 1	MDC		
121028P1	13	8 ✓ CS3_121027_DF_PB	CS3_121027_DF_PB S40-67B 1	MDC		

OK HS 29 Oct 12

Sample List Report

MassLynx 4.1 SCN 881

Sample List: C:\MassLynx\Default.pro\Sampledb\mm7-12-10-24b-pcb.SPL
 Last Modified: Wednesday, October 24, 2012 16:23:47 Eastern Daylight Time
 Printed: Wednesday, October 24, 2012 16:24:15 Eastern Daylight Time

Page 1 of 3

Page Position (1, 1)

File Name	Lab ID	Sample ID	MS File	Inlet File	Vial #	User	Task (=Expt.)	Conditions (=GC prog)	Inj. Vol.
1 121024X18	CS3_121024_PCB_XC	RETCON S40-92	pcb-2012-01	pcb90_a	Tray1:06	LKB	pcb-2012-01	pcb90_a	1.000000
2 121024X19	OPR1_10237_PCB	0_10237_OPR001	pcb-2012-01	pcb90_a	Tray1:29	LKB	pcb-2012-01	pcb90_a	1.000000
3 121024X20	SBS_121024_PCB_XY	SIL 9-41-1	pcb-2012-01	pcb90_a	Tray1:02	LKB	pcb-2012-01	pcb90_a	1.000000
4 121024X21	MB1_10237_PCB_SDS	Method Blank	pcb-2012-01	pcb90_a	Tray1:30	LKB	pcb-2012-01	pcb90_a	1.000000
5 121024X22	A4723_10237_PCB_004	JW-EA09-SS38-120507	pcb-2012-01	pcb90_a	Tray1:31	LKB	pcb-2012-01	pcb90_a	1.000000
6 121024X23	A4723_10237_PCB_005	JW-EA09-SS37-120507	pcb-2012-01	pcb90_a	Tray1:32	LKB	pcb-2012-01	pcb90_a	1.000000
7 121024X24	SBS_121024_PCB_XJK	SIL 9-41-1	pcb-2012-01	pcb90_a	Tray1:02	LKB	pcb-2012-01	pcb90_a	1.000000
8 121024X25	SBS_121024_PCB_XKL	SIL 9-41-1	pcb-2012-01	pcb90_a	Tray1:02	LKB	pcb-2012-01	pcb90_a	1.000000

DEE 25-OCT-2012 JKB

OP 24 Oct 12

Dioxin/Furan ICAL Summary

SGS Analytical Perspectives

Processed: 24 Oct 2012 09:54

ICAL: 1613_SGS

Data Acquired: 01-Aug-2012

120801P2-01 120801P2-02 120801P2-03 120801P2-04 120801P2-05 120801P2-06

Name	Mean	% RSD	0.25 CS0	0.5 CS1	2.0 CS2	10 CS3	40 CS4	200 CS5
2378-TCDD	1.08	3.9%	1.02	1.08	1.06	1.07	1.12	1.14
12378-PeCDD	1.07	1.6%	1.08	1.05	1.07	1.07	1.09	1.09
123478-HxCDD	1.05	2.0%	1.05	1.01	1.04	1.05	1.07	1.07
123678-HxCDD	0.98	2.4%	1.01	0.96	0.96	0.97	0.99	1.01
123789-HxCDD	1.01	1.7%	1.01	1.01	0.99	0.99	1.01	1.04
1234678-HpCDD	1.09	2.8%	1.05	1.07	1.08	1.08	1.11	1.14
OCDD	1.11	2.5%	1.08	1.10	1.12	1.08	1.13	1.14
2378-TCDF	0.98	1.9%	0.96	0.99	0.95	1.00	0.97	0.98
12378-PeCDF	0.99	2.1%	0.96	0.97	0.98	1.00	1.00	1.02
23478-PeCDF	1.02	3.4%	0.96	1.01	1.01	1.03	1.03	1.06
123478-HxCDF	1.19	1.9%	1.17	1.16	1.20	1.19	1.20	1.22
123678-HxCDF	1.16	1.9%	1.14	1.13	1.16	1.14	1.17	1.19
234678-HxCDF	1.18	3.3%	1.15	1.14	1.15	1.25	1.17	1.19
123789-HxCDF	1.09	1.9%	1.08	1.06	1.09	1.08	1.09	1.12
1234678-HpCDF	1.35	2.7%	1.30	1.30	1.36	1.37	1.38	1.39
1234789-HpCDF	1.34	3.3%	1.30	1.28	1.33	1.34	1.39	1.38
OCDF	1.40	6.9%	1.30	1.34	1.35	1.36	1.49	1.54
ES 2378-TCDD	1.04	2.2%	1.03	1.03	1.04	1.04	1.04	1.09
ES 12378-PeCDD	0.87	5.6%	0.83	0.85	0.86	0.82	0.89	0.95
ES 123478-HxCDD	0.94	1.5%	0.93	0.93	0.93	0.95	0.95	0.96
ES 123678-HxCDD	1.06	1.9%	1.06	1.06	1.05	1.10	1.07	1.04
ES 1234678-HpCDD	0.80	2.7%	0.82	0.81	0.77	0.77	0.80	0.82
ES OCDD	0.63	8.0%	0.61	0.62	0.57	0.61	0.65	0.72
ES 2378-TCDF	1.74	2.8%	1.73	1.74	1.77	1.65	1.74	1.80
ES 12378-PeCDF	1.49	4.8%	1.44	1.47	1.50	1.41	1.53	1.61
ES 23478-PeCDF	1.48	4.8%	1.42	1.47	1.47	1.41	1.52	1.60
ES 123478-HxCDF	1.27	2.1%	1.30	1.30	1.24	1.28	1.28	1.24
ES 123678-HxCDF	1.41	3.0%	1.41	1.48	1.36	1.43	1.41	1.38
ES 234678-HxCDF	1.34	2.7%	1.38	1.38	1.35	1.29	1.35	1.32
ES 123789-HxCDF	1.20	1.9%	1.23	1.19	1.18	1.18	1.22	1.22
ES 1234678-HpCDF	1.06	2.1%	1.06	1.07	1.03	1.04	1.06	1.10
ES 1234789-HpCDF	0.82	3.9%	0.82	0.83	0.80	0.79	0.82	0.88

Dioxin/Furan ICAL Summary

SGS Analytical Perspectives

Processed: 24 Oct 2012 09:54

ICAL: 1613_SGS

Data Acquired: 18-Jun-2009

Name	Mean	% RSD	120801P2-01	120801P2-02	120801P2-03	120801P2-04	120801P2-05	120801P2-06
			0.25 CS0	0.5 CS1	2.0 CS2	10 CS3	40 CS4	200 CS5
CS 37C1-2378-TCDD	1.17	4.8%	1.11	1.17	1.14	1.15	1.19	1.27
SS 37C1-2378-TCDD	1.12	3.0%	1.08	1.14	1.10	1.11	1.15	1.17
Totals								
Total TCDD	1.08	3.9%	1.02	1.08	1.06	1.07	1.12	1.14
Total PeCDD	1.07	1.6%	1.08	1.05	1.07	1.07	1.09	1.09
Total HxCDD	1.01	1.7%	1.02	0.99	1.00	1.01	1.02	1.04
Total HpCDD	1.09	2.8%	1.05	1.07	1.08	1.08	1.11	1.14
Total TCDF	0.98	1.9%	0.96	0.99	0.95	1.00	0.97	0.98
Total PeCDF	1.00	2.7%	0.96	0.99	1.00	1.01	1.02	1.04
Total HxCDF	1.15	1.8%	1.14	1.12	1.15	1.16	1.16	1.18
Total HpCDF	1.34	2.9%	1.30	1.29	1.34	1.36	1.38	1.38

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	120801P2-01	31	1613_CS_0,5	1.00	1613_CS_0,5	MDC	627-866	01-AUG-2012	10:27:13
2	120801P2-02	32	1613_CS1	1.00	1613_CS1	MDC	432-273	01-AUG-2012	11:17:24
3	120801P2-03	33	1613_CS2	1.00	1613_CS2	MDC	440-192	01-AUG-2012	12:07:35
4	120801P2-04	34	1613_CS3	1.00	1613_CS3	MDC	279-058	01-AUG-2012	12:57:42
5	120801P2-05	35	1613_CS4	1.00	1613_CS4	MDC	262-366	01-AUG-2012	13:47:53
6	120801P2-06	36	1613_CS5	1.00	1613_CS5	MDC	188-721	01-AUG-2012	14:38:05

REVIEWED

By Michael D H Chu at 4:47 pm, Aug 01, 2012

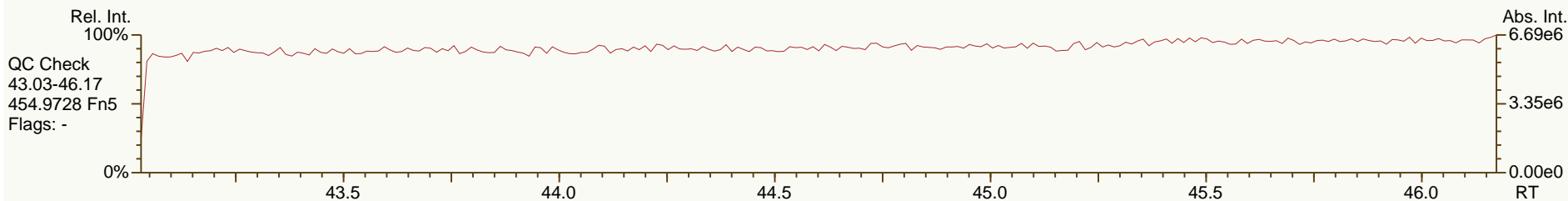
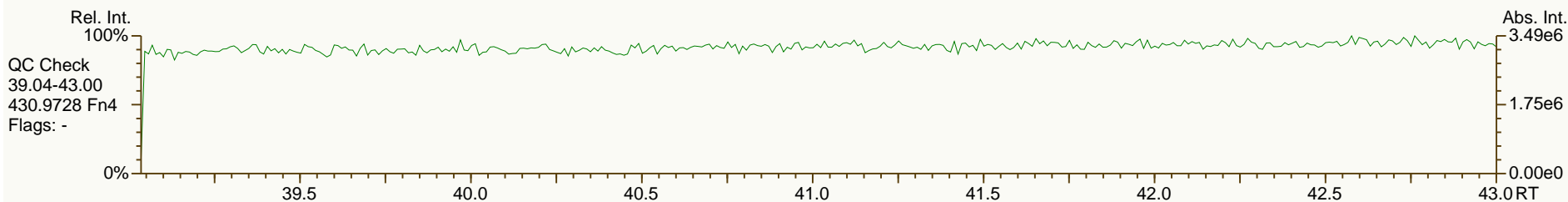
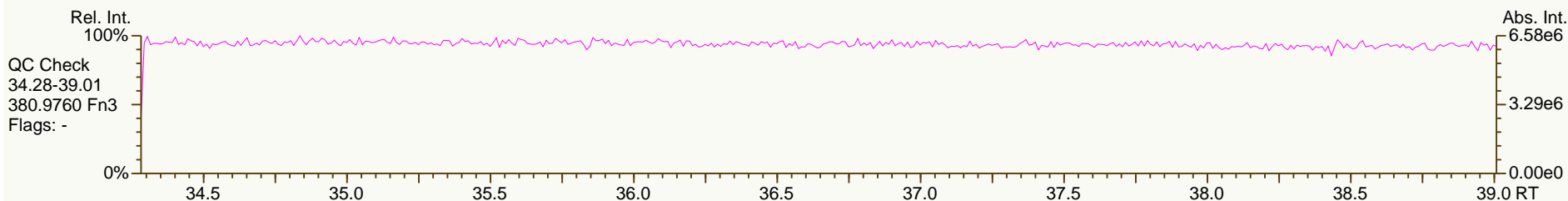
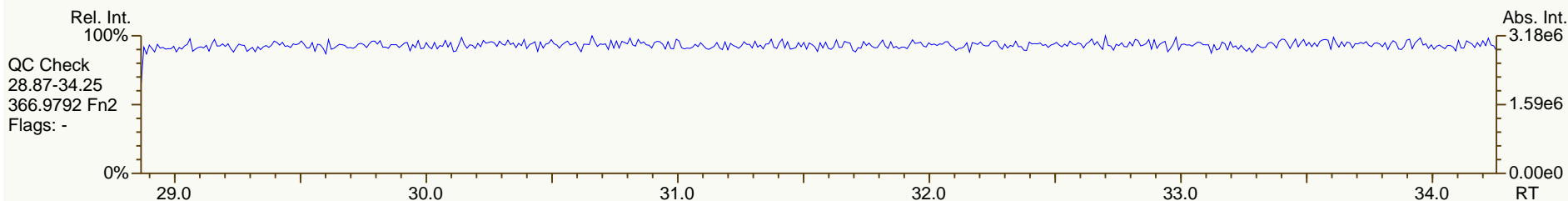
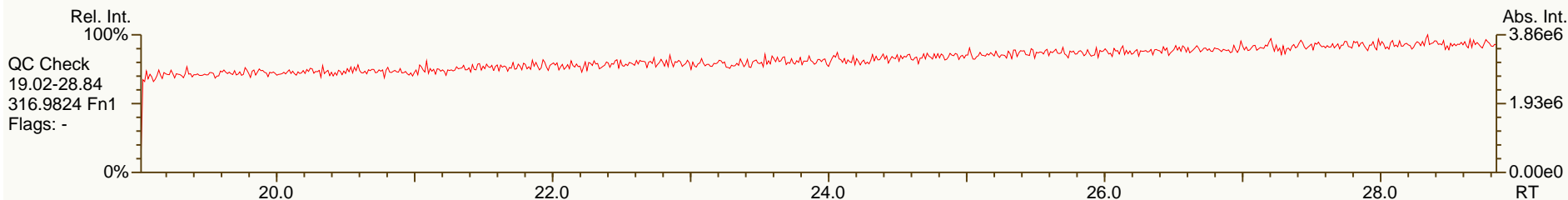
APPROVED

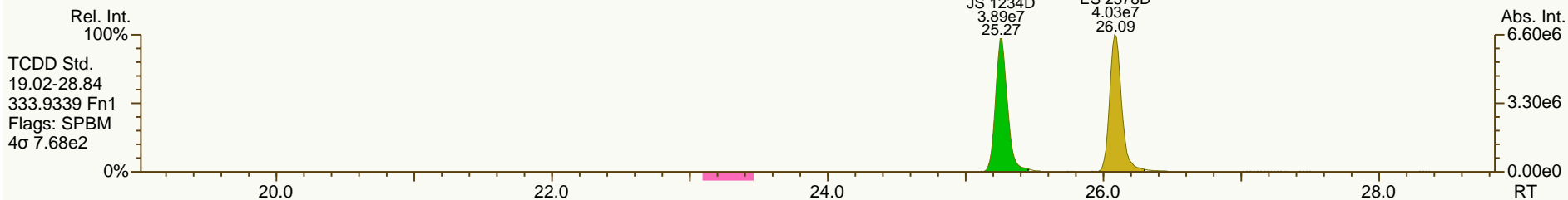
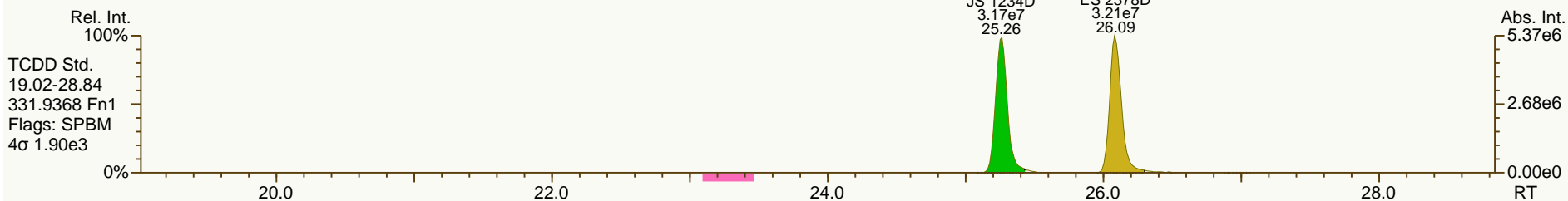
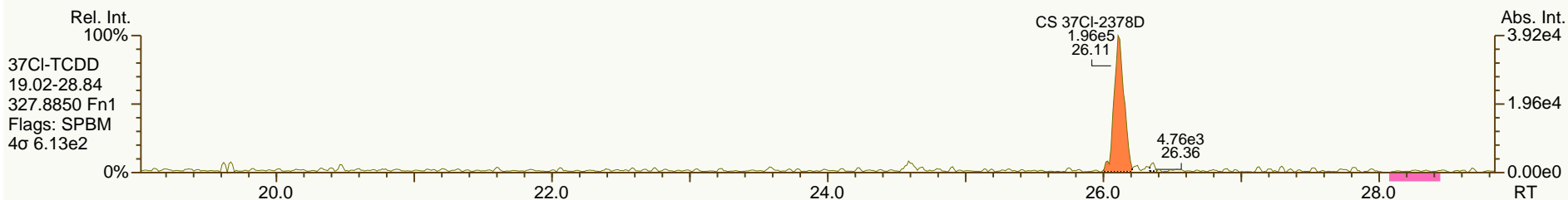
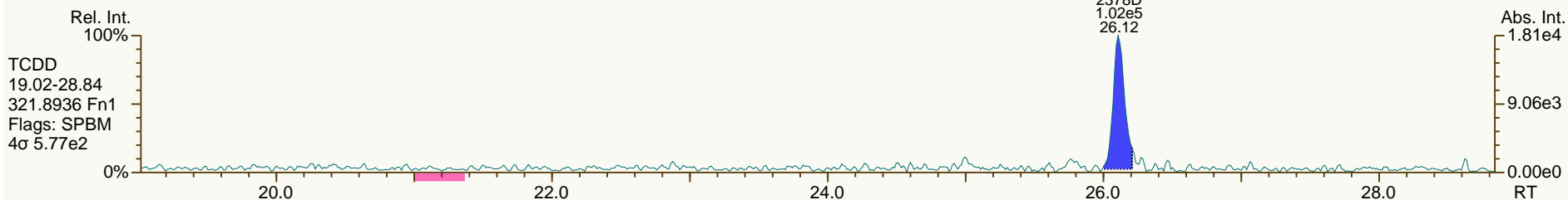
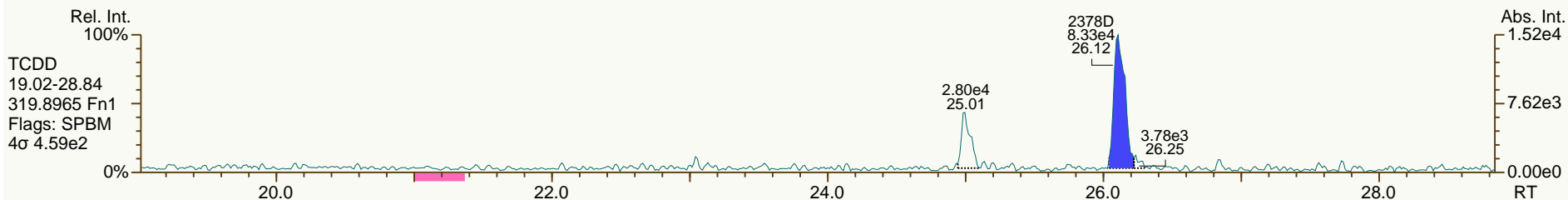
By Jeremy Kadylak at 2:22 pm, Oct 22, 2012

Dioxin/Furan QC Summary		Acq'd: 01 Aug 2012 10:27 MDC			ICAL: 1613_SGS		
Lab ID: 1613_CS 0.5		UTP: 01-Aug-2012 13:03 MDC			Checkcode: 627-866-FSN		
Sample ID: 1613_CS 0.5		Report: 16 Oct 2012 09:39 MC			Datafile: 120801P2-01		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.12	1.85E+05	0.82	Y	1.08	1.02	-5%
12378-PeCDD	32.76	7.98E+05	1.54	Y	1.07	1.08	1%
123478-HxCDD	37.53	7.23E+05	1.29	Y	1.05	1.05	0%
123678-HxCDD	37.66	7.87E+05	1.31	Y	0.98	1.01	3%
123789-HxCDD	38.01	7.44E+05	1.24	Y	1.01	1.01	0%
1234678-HpCDD	41.84	6.33E+05	1.13	Y	1.09	1.05	-3%
OCDD	45.40	9.72E+05	0.92	Y	1.11	1.08	-3%
2378-TCDF	25.04	2.93E+05	0.77	Y	0.98	0.96	-1%
12378-PeCDF	30.94	1.22E+06	1.54	Y	0.99	0.96	-3%
23478-PeCDF	32.33	1.20E+06	1.49	Y	1.02	0.96	-6%
123478-HxCDF	36.32	1.11E+06	1.23	Y	1.19	1.17	-2%
123678-HxCDF	36.49	1.19E+06	1.22	Y	1.16	1.14	-1%
234678-HxCDF	37.31	1.17E+06	1.26	Y	1.18	1.15	-2%
123789-HxCDF	38.44	9.81E+05	1.24	Y	1.09	1.08	0%
1234678-HpCDF	40.41	1.02E+06	1.00	Y	1.35	1.30	-3%
1234789-HpCDF	42.42	7.86E+05	0.98	Y	1.34	1.30	-3%
OCDF	45.63	1.17E+06	0.86	Y	1.40	1.30	-7%
ES 2378-TCDD	26.09	7.24E+07	0.80	Y	1.04	1.03	-2%
ES 12378-PeCDD	32.73	5.89E+07	1.61	Y	0.87	0.83	-4%
ES 123478-HxCDD	37.51	5.51E+07	1.28	Y	0.94	0.93	-1%
ES 123678-HxCDD	37.64	6.23E+07	1.25	Y	1.06	1.06	0%
ES 1234678-HpCDD	41.83	4.82E+07	1.06	Y	0.80	0.82	2%
ES OCDD	45.38	7.21E+07	0.93	Y	0.63	0.61	-3%
ES 2378-TCDF	25.02	1.22E+08	0.79	Y	1.74	1.73	-1%
ES 12378-PeCDF	30.92	1.02E+08	1.64	Y	1.49	1.44	-4%
ES 23478-PeCDF	32.31	1.01E+08	1.56	Y	1.48	1.42	-4%
ES 123478-HxCDF	36.30	7.64E+07	0.53	Y	1.27	1.30	2%
ES 123678-HxCDF	36.47	8.34E+07	0.53	Y	1.41	1.41	0%
ES 234678-HxCDF	37.29	8.15E+07	0.53	Y	1.34	1.38	3%
ES 123789-HxCDF	38.43	7.24E+07	0.53	Y	1.20	1.23	2%
ES 1234678-HpCDF	40.40	6.27E+07	0.45	Y	1.06	1.06	0%
ES 1234789-HpCDF	42.41	4.84E+07	0.46	Y	0.82	0.82	0%

Dioxin/Furan QC Summary	Acq'd: 01 Aug 2012 10:27 MDC	ICAL: 1613_SGS
Lab ID: 1613_CS 0.5	UTP: 01-Aug-2012 13:03 MDC	Checkcode: 627-866
Sample ID: 1613_CS 0.5	Report: 16 Oct 2012 09:39 MC	Datafile: 120801P2-01

Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.26	7.06E+07	0.82	Y	-	-	-
JS 123789-HxCDD	37.99	5.89E+07	1.30	Y	-	-	-
CS 37C1-2378-TCDD	26.11	1.96E+05	n/a	-	1.17	1.11	-5%
SS 37C1-2378-TCDD	26.11	1.96E+05	n/a	-	1.12	1.08	-4%

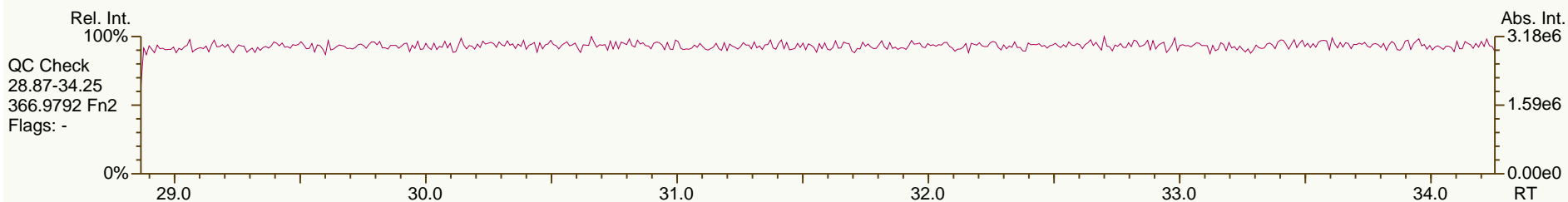
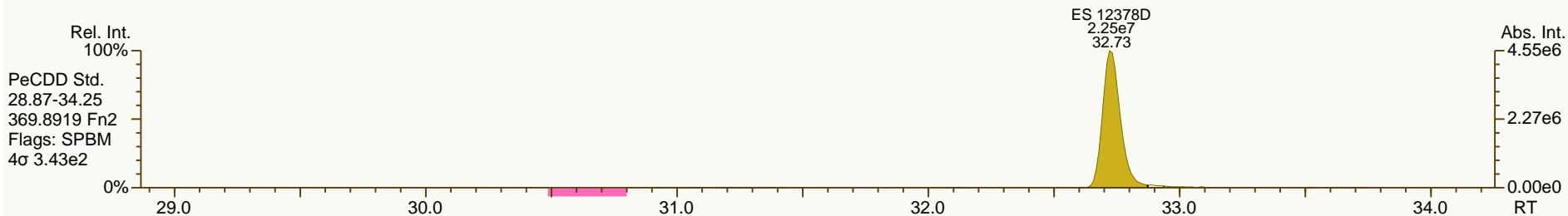
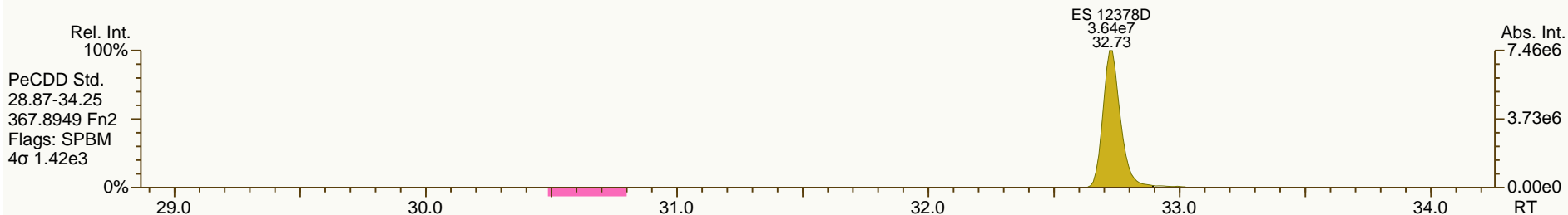
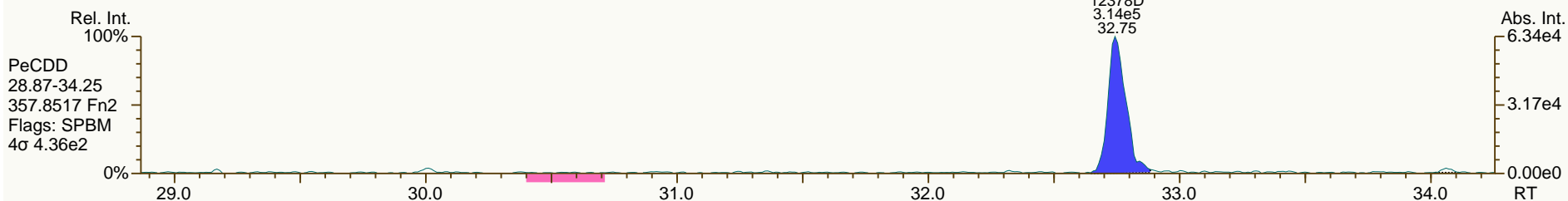
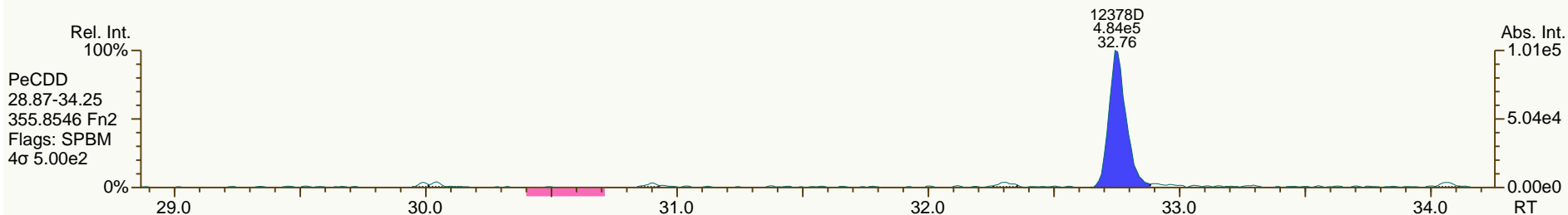


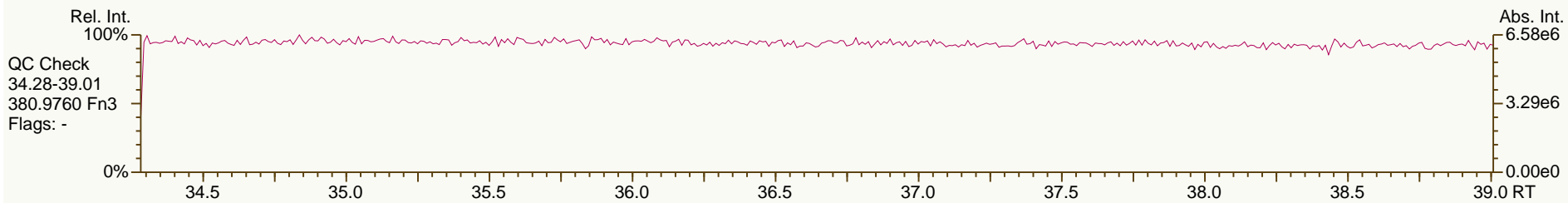
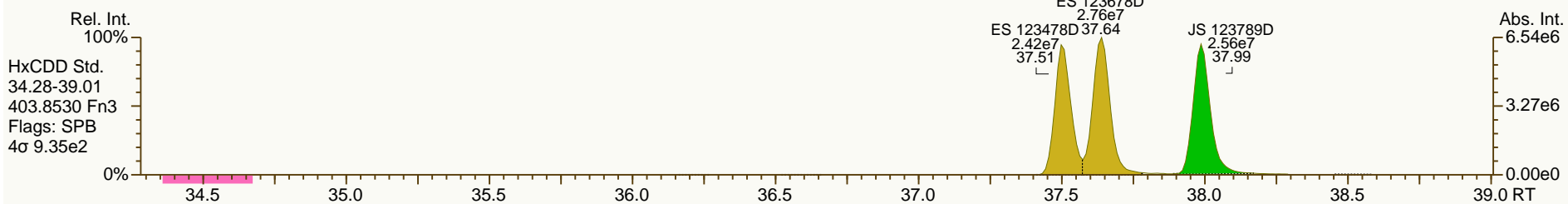
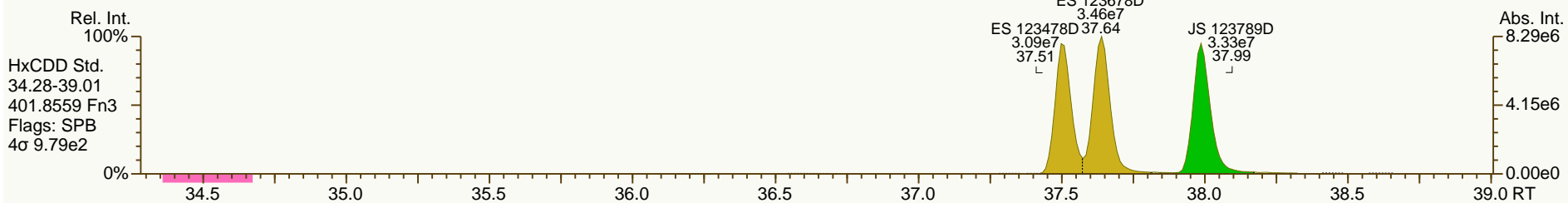
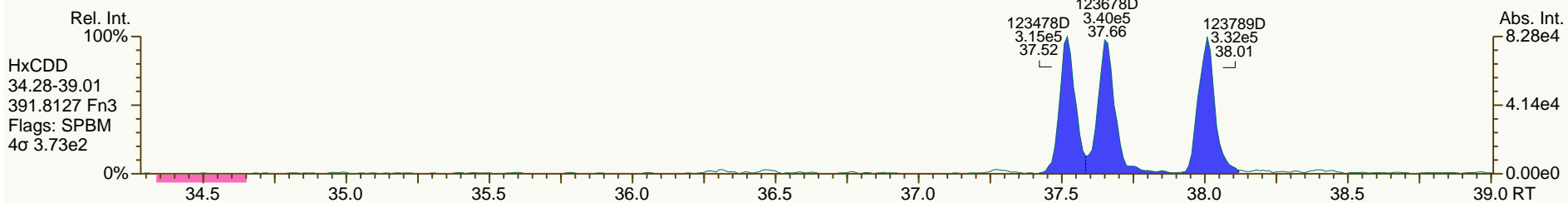
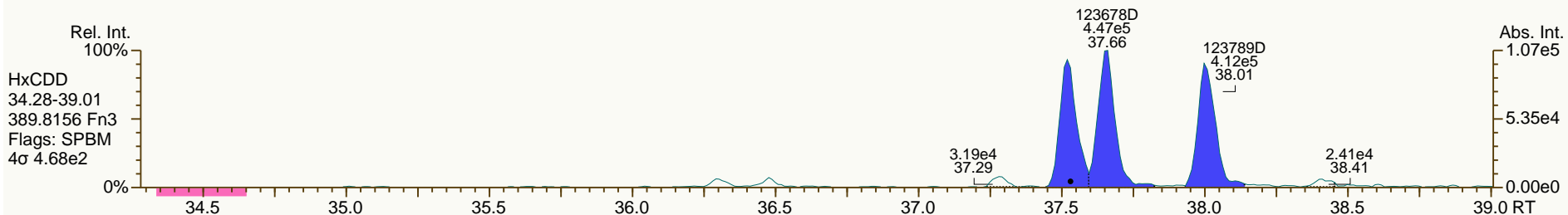


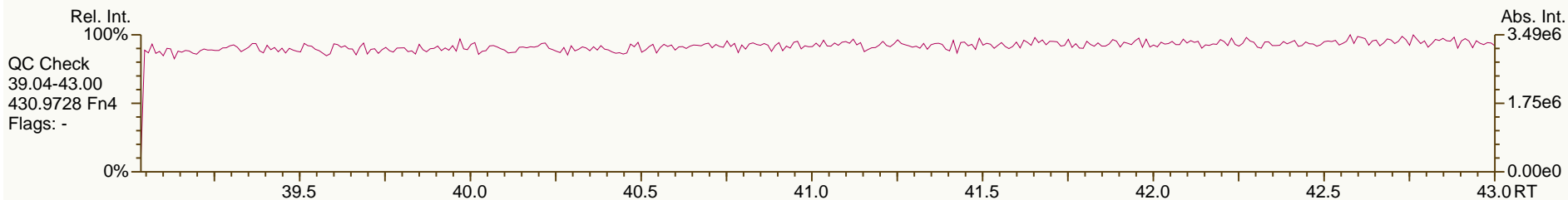
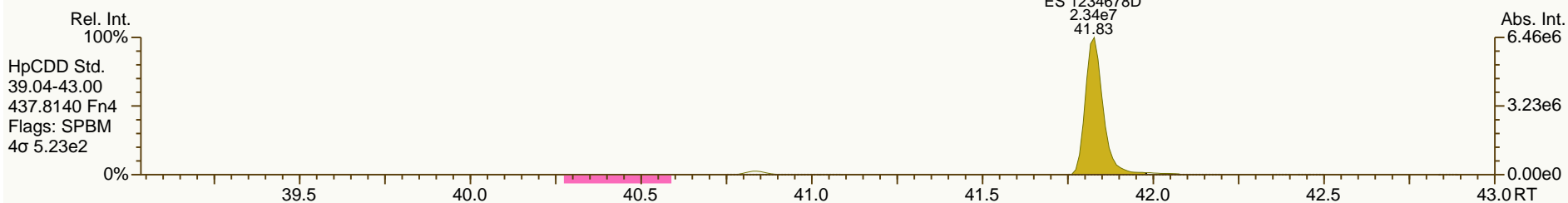
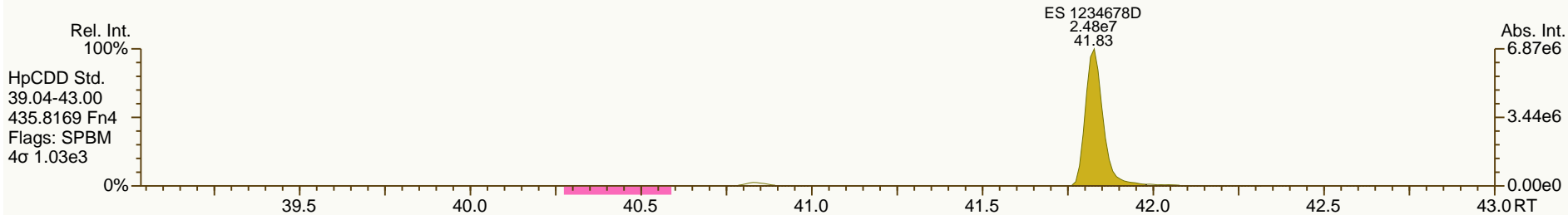
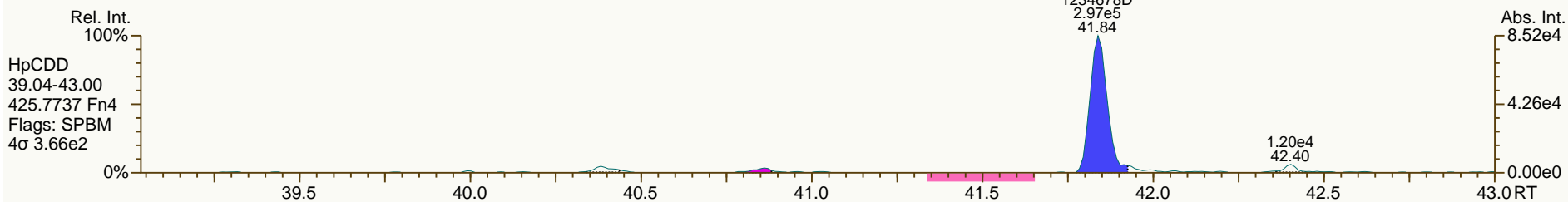
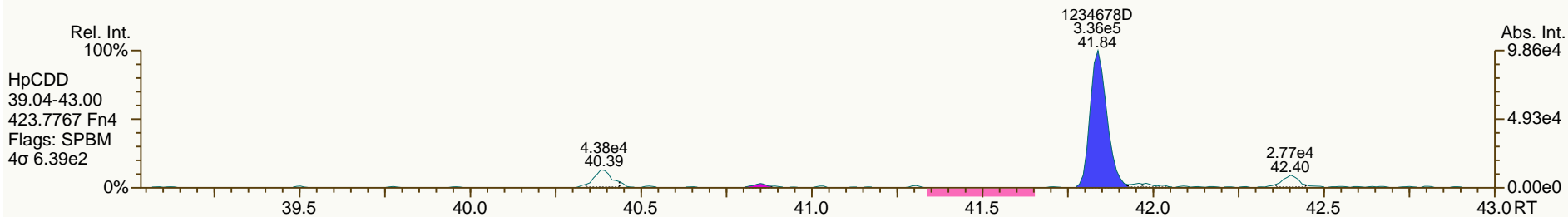
SGS-AP ID: 1613_CS_0,5
Instr: AutoSpec-Ultima MM1

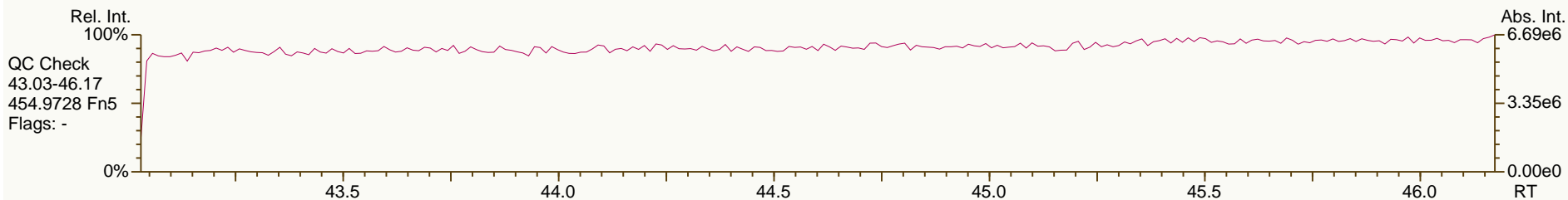
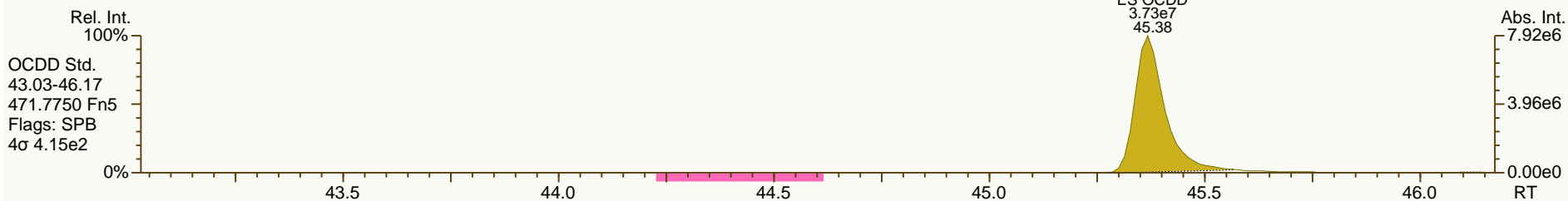
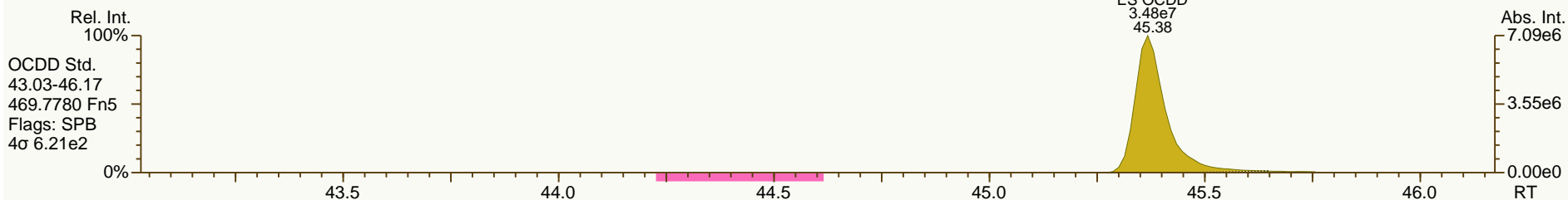
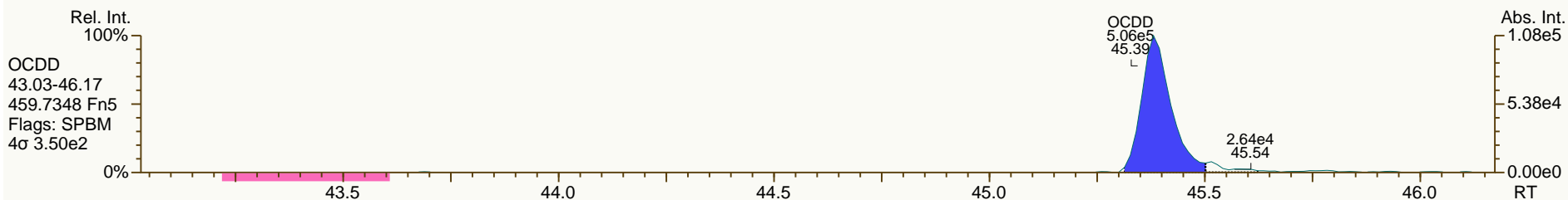
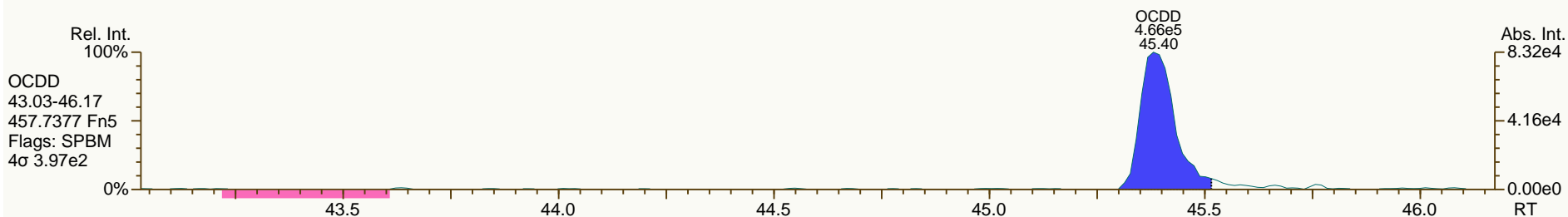
Sample ID: 1613_CS_0,5
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

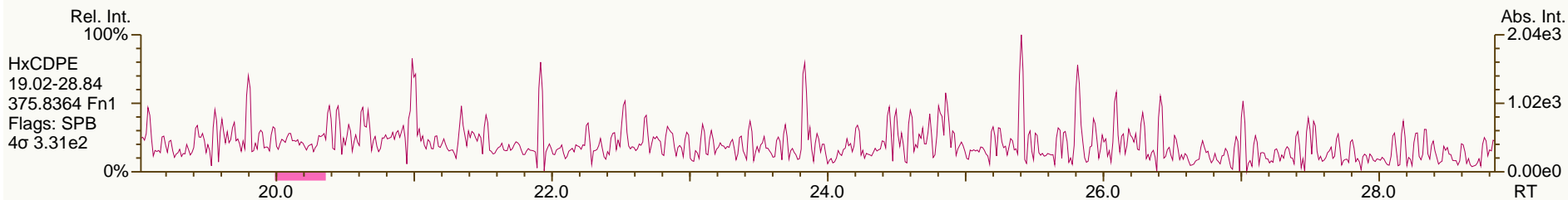
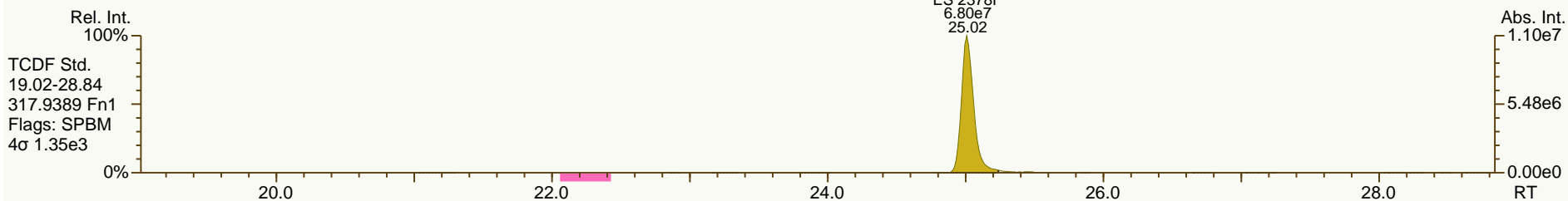
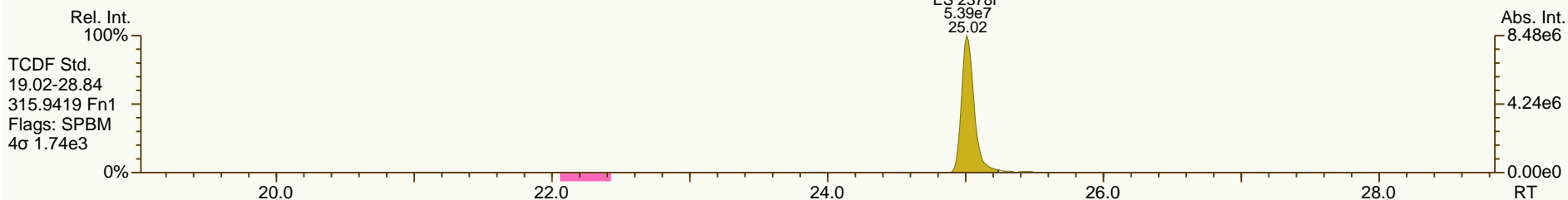
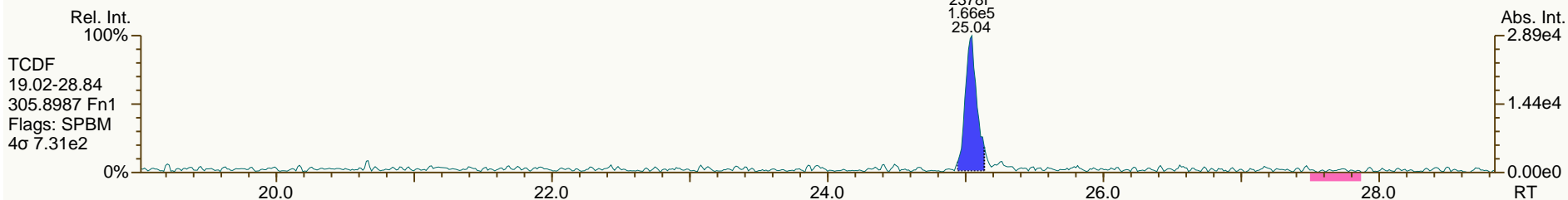
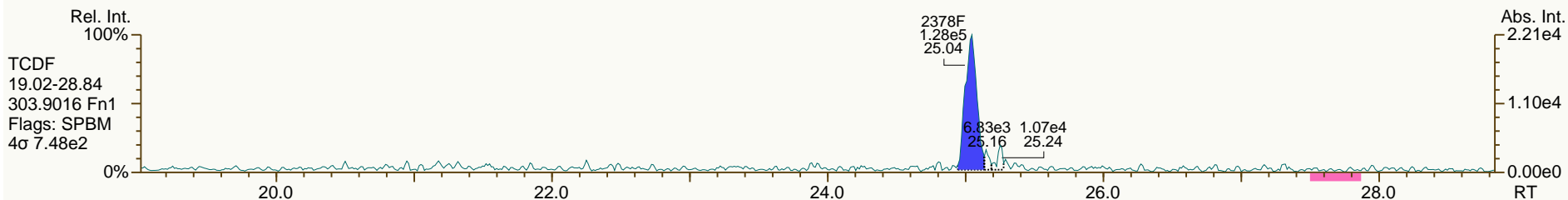
Acq: 01-AUG-2012 10:27:13
User: MDC Datafile: 120801P2-01

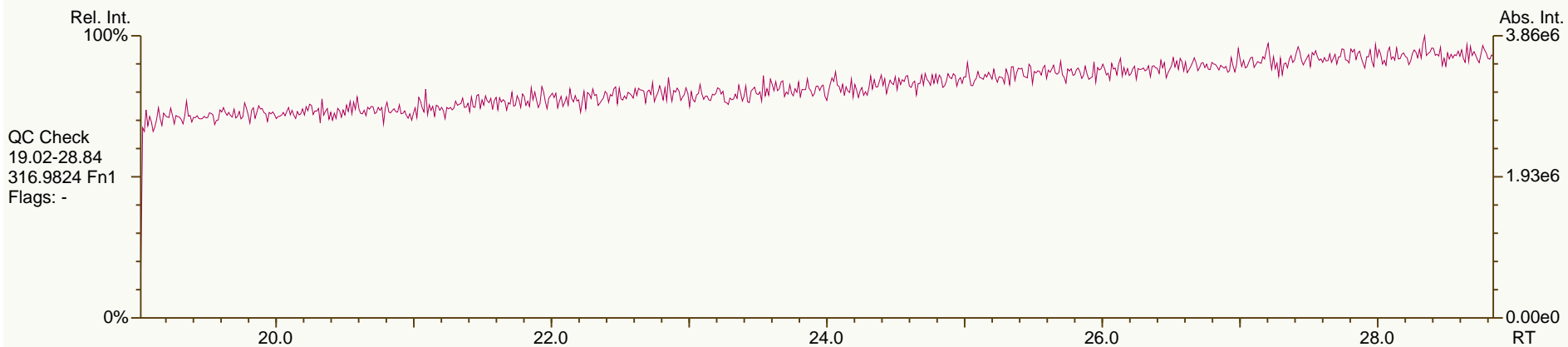
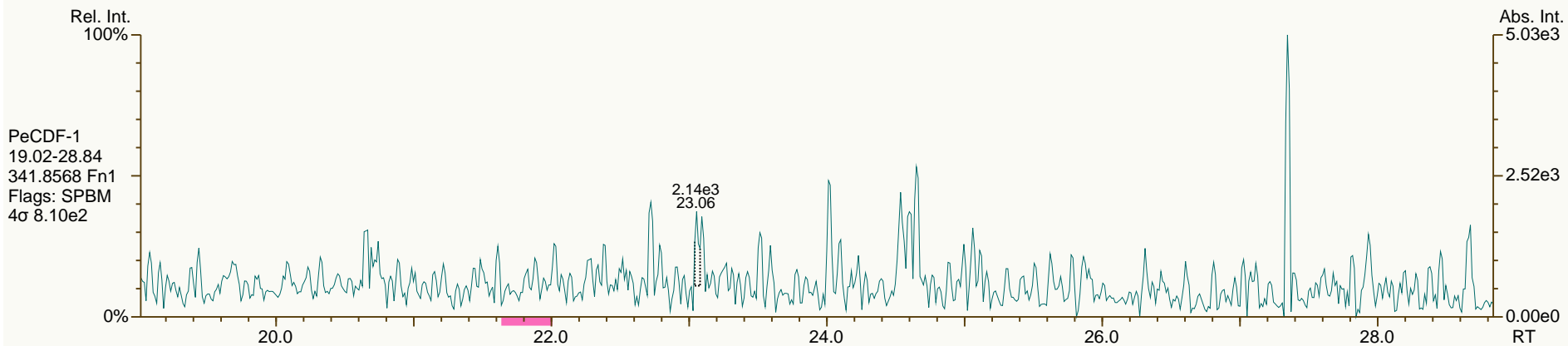
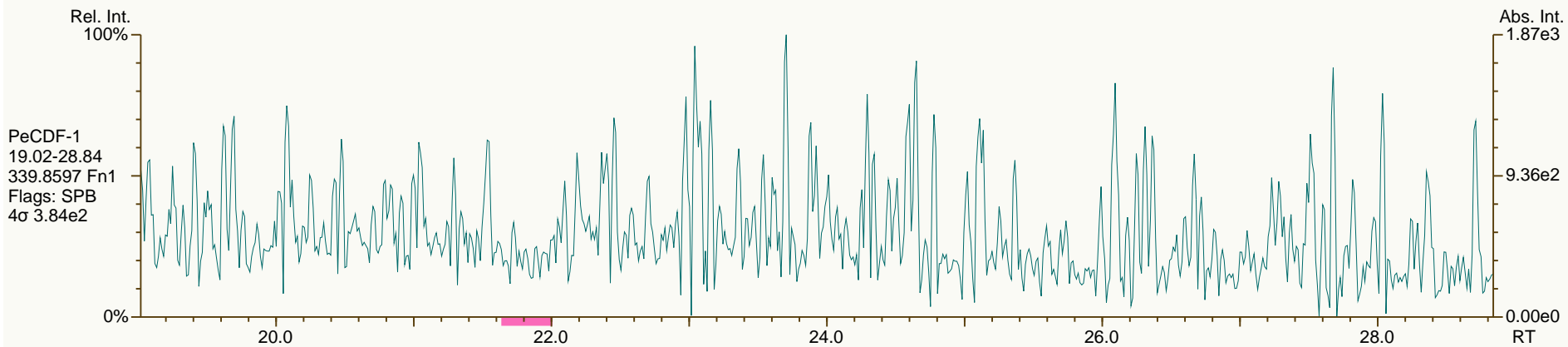


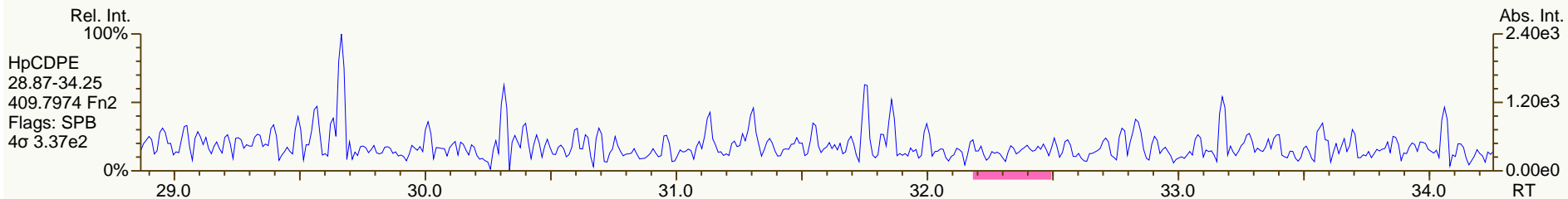
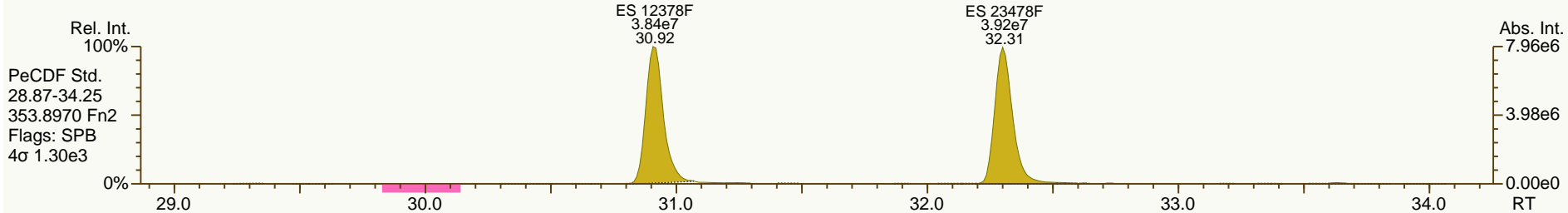
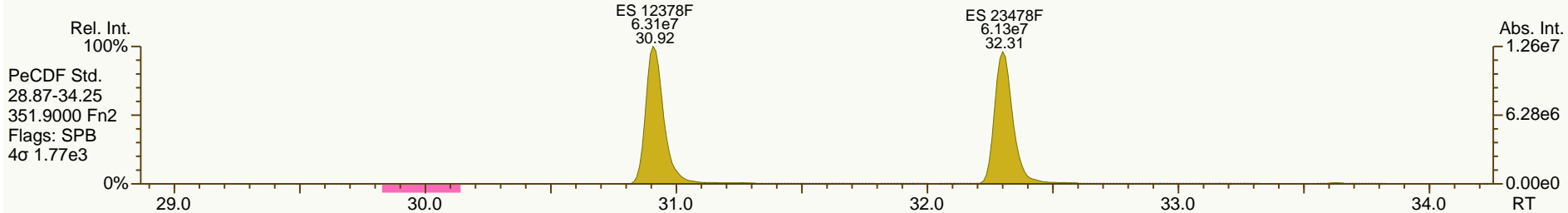
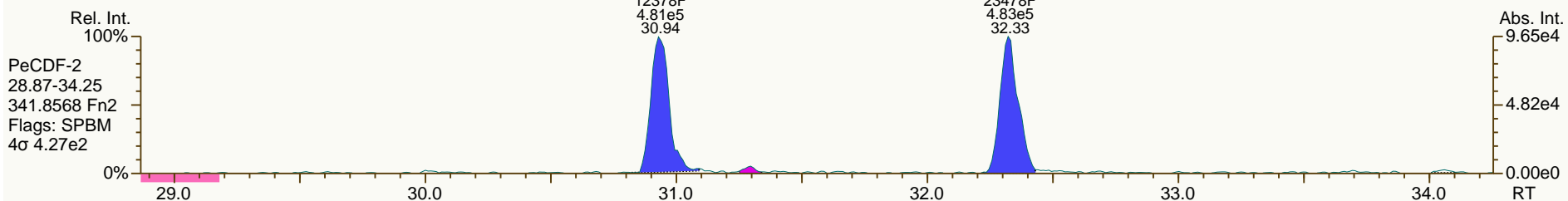
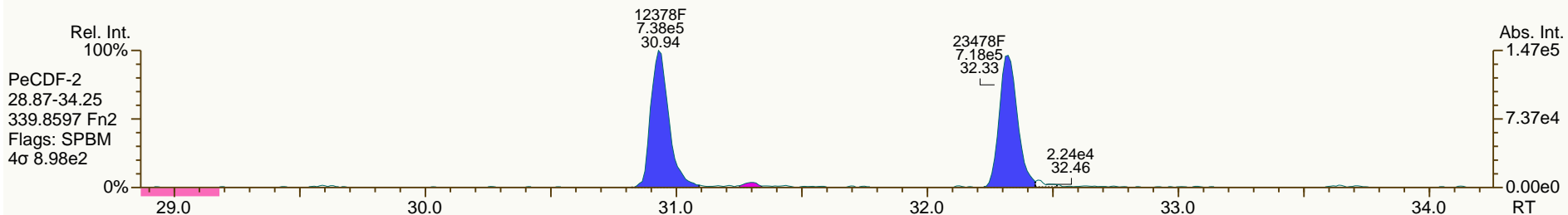


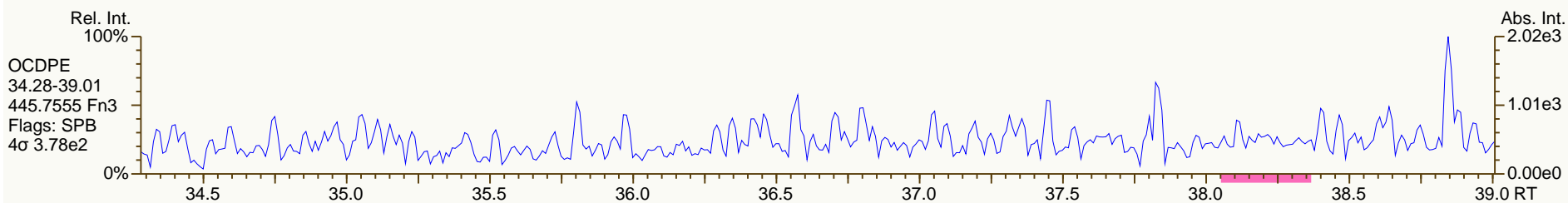
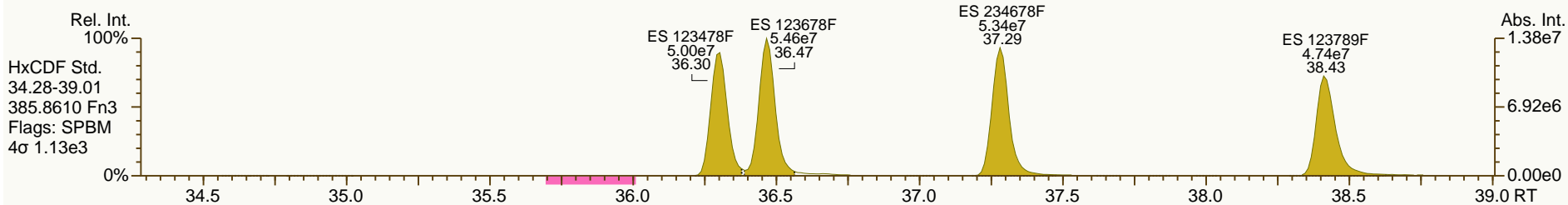
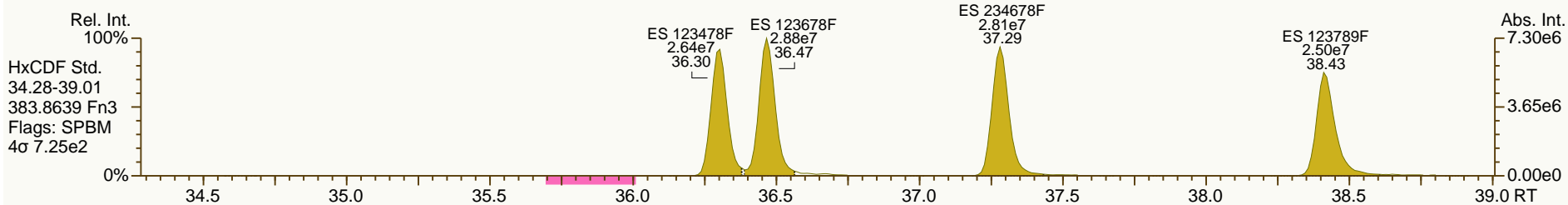
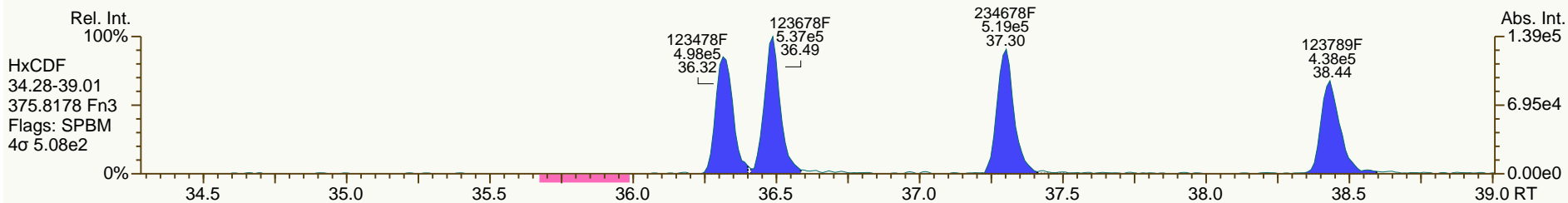
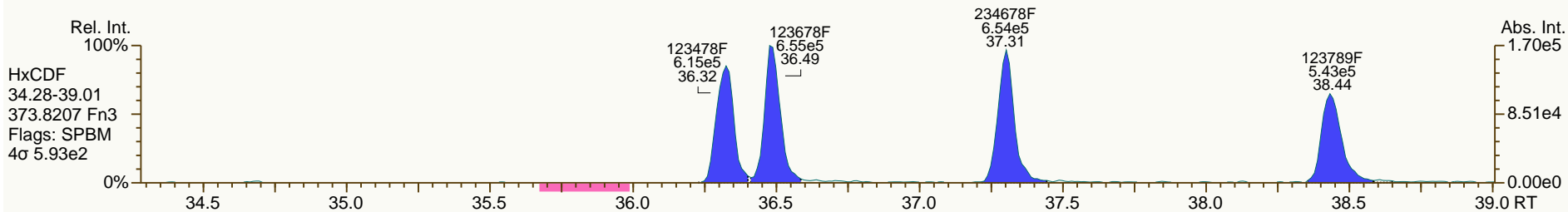








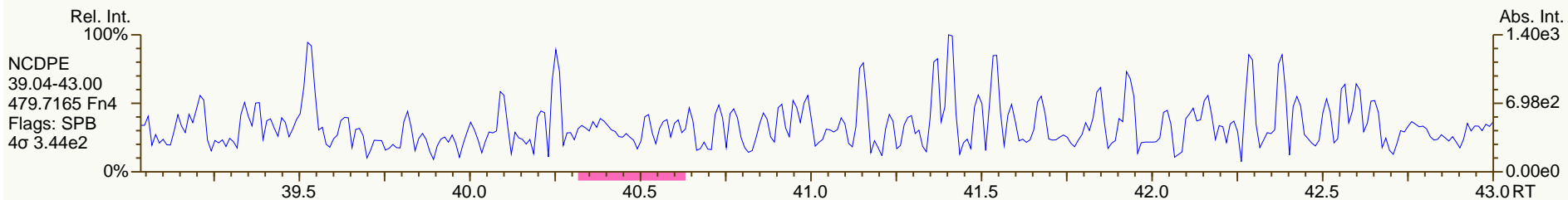
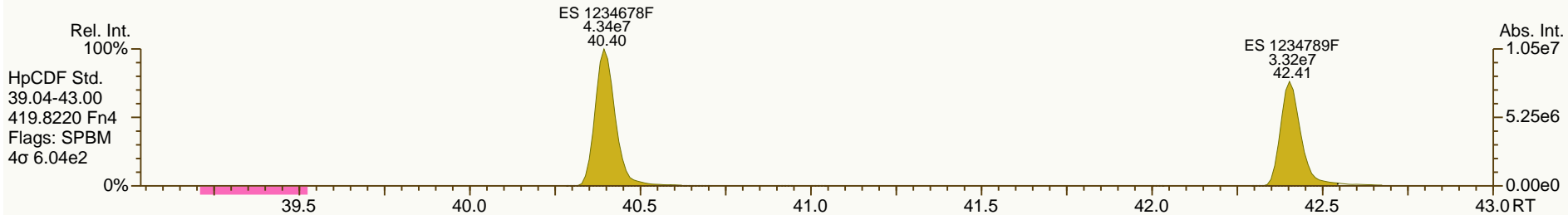
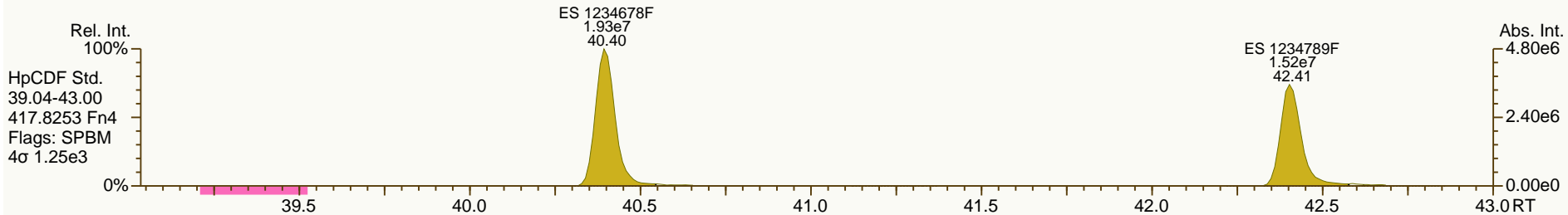
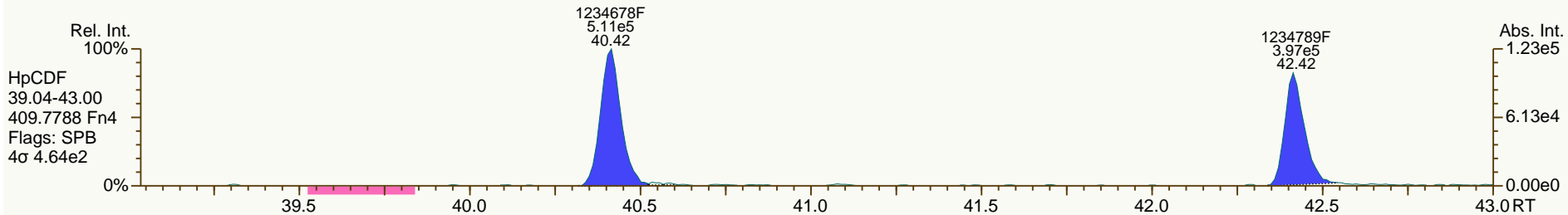
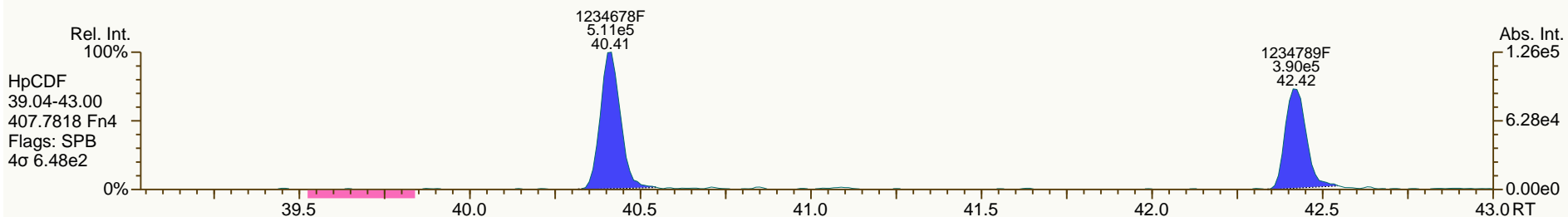


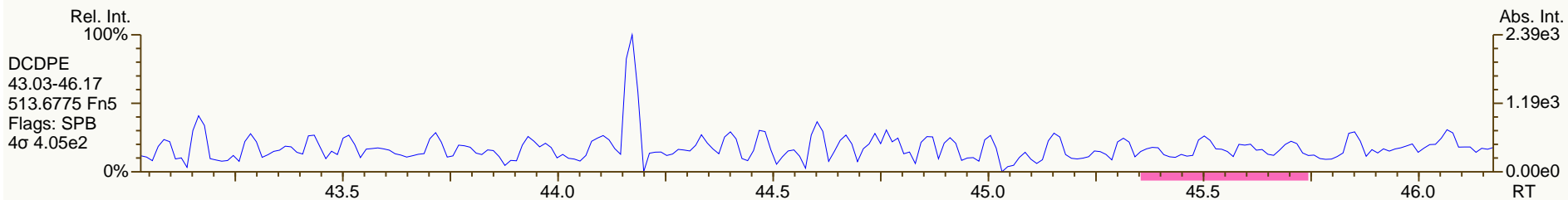
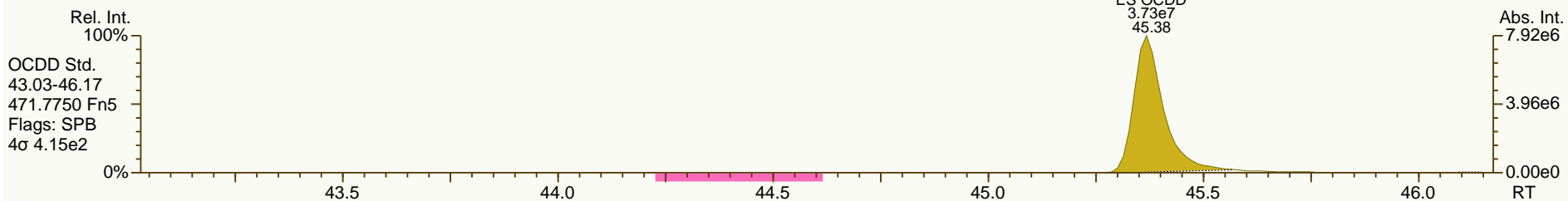
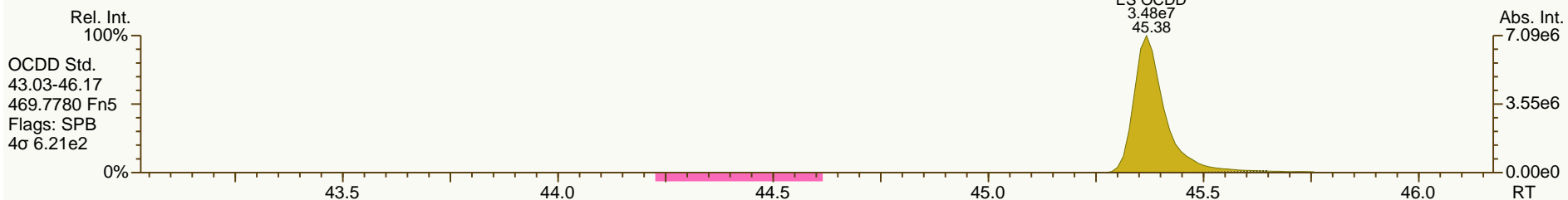
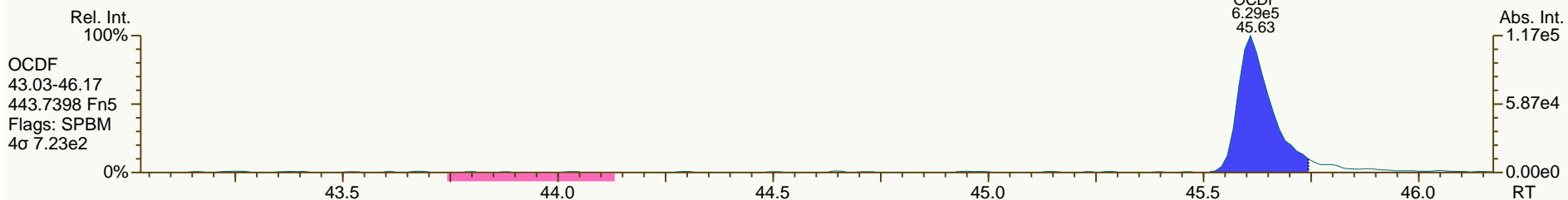
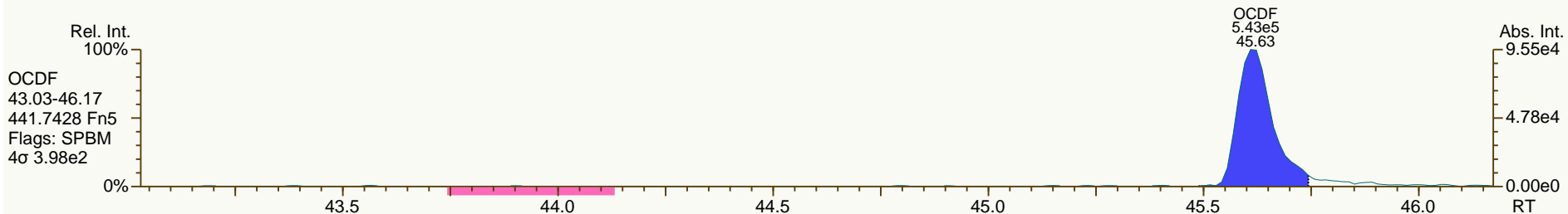


SGS-AP ID: 1613_CS_0,5
Instr: AutoSpec-Ultima MM1

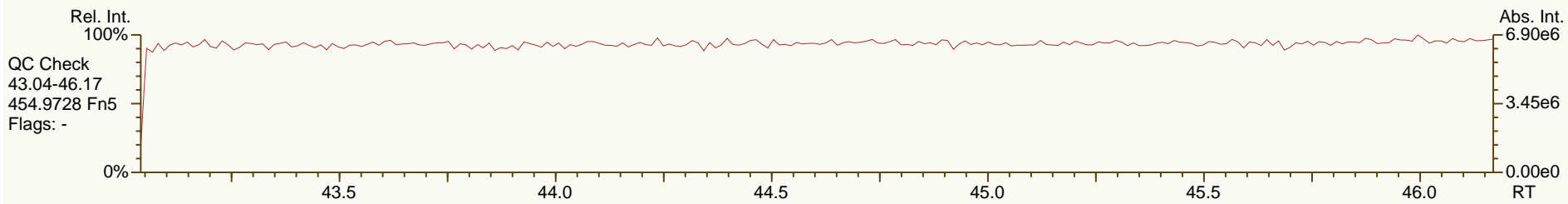
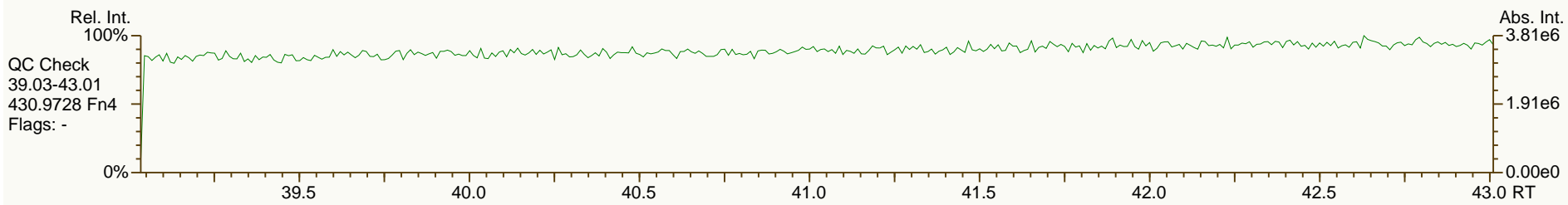
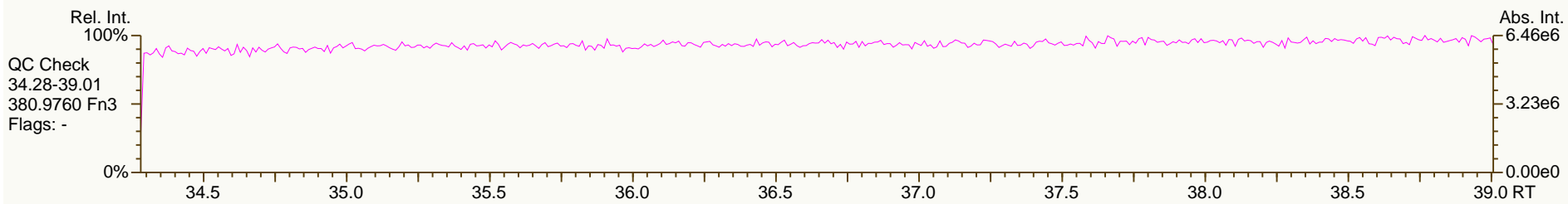
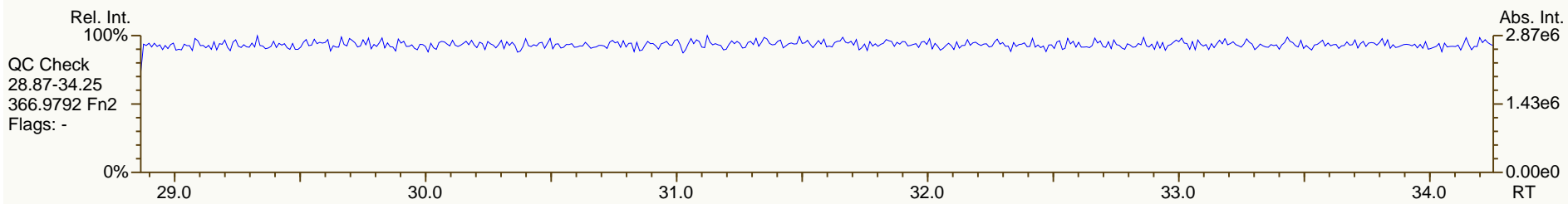
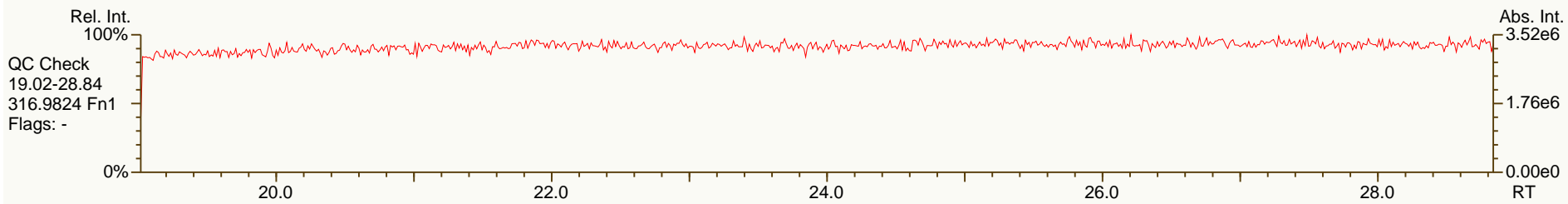
Sample ID: 1613_CS_0,5
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

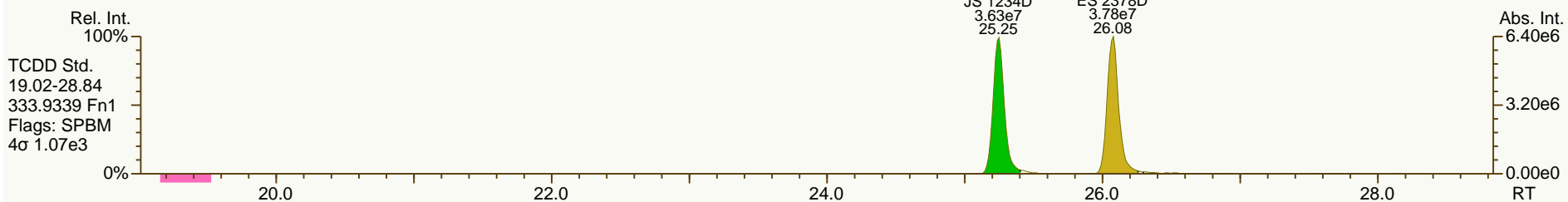
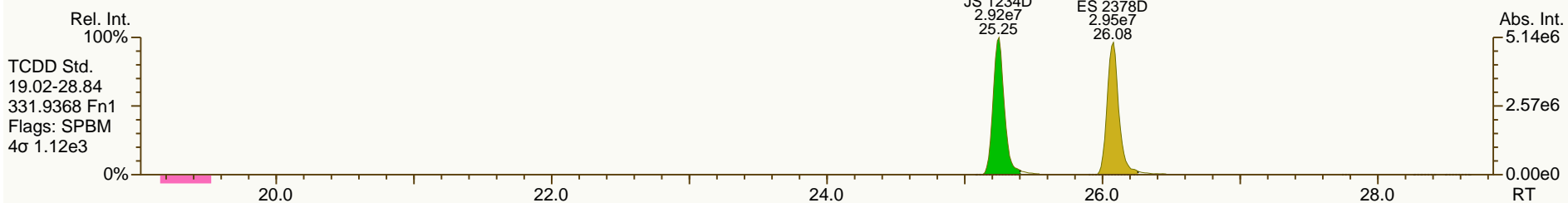
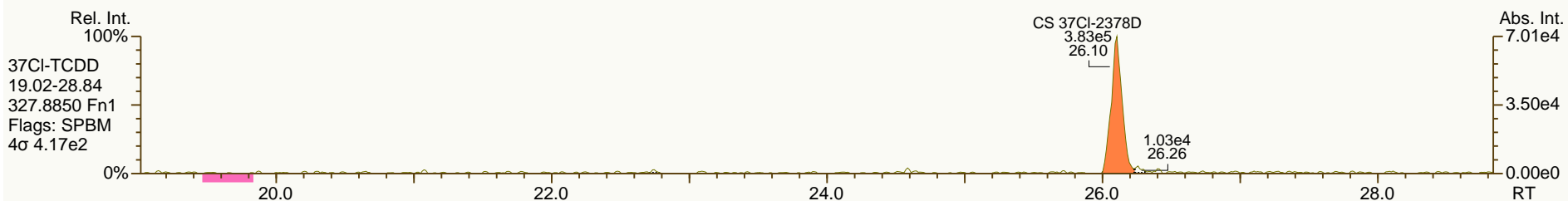
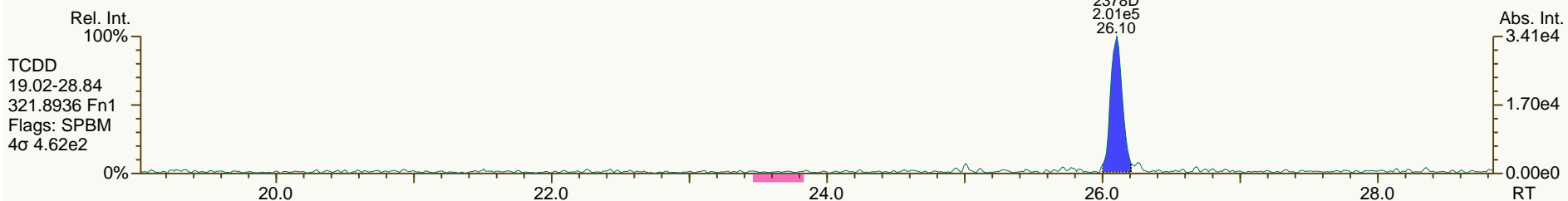
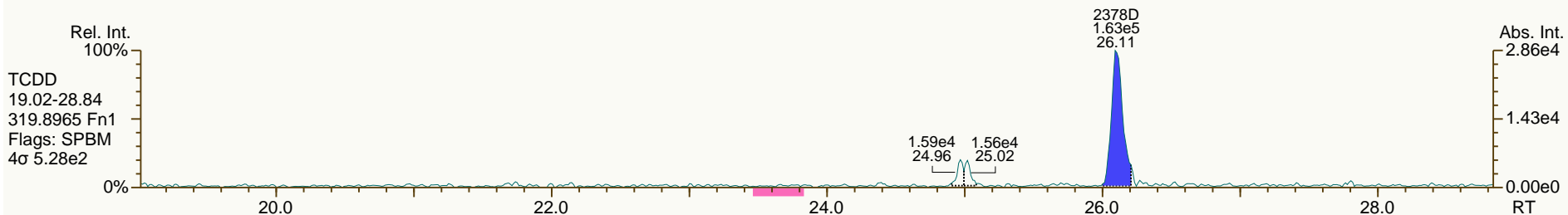
Acq: 01-AUG-2012 10:27:13
User: MDC Datafile: 120801P2-01





Dioxin/Furan QC Summary		Acq'd: 01 Aug 2012 11:17 MDC			ICAL: 1613_SGS		
Lab ID: 1613_CS1		UTP: 01-Aug-2012 13:03 MDC			Checkcode: 432-273-LKR		
Sample ID: 1613_CS1		Report: 16 Oct 2012 09:39 MC			Datafile: 120801P2-02		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.11	3.64E+05	0.81	Y	1.08	1.08	0%
12378-PeCDD	32.75	1.46E+06	1.51	Y	1.07	1.05	-2%
123478-HxCDD	37.51	1.30E+06	1.24	Y	1.05	1.01	-3%
123678-HxCDD	37.65	1.40E+06	1.29	Y	0.98	0.96	-3%
123789-HxCDD	38.00	1.39E+06	1.30	Y	1.01	1.01	0%
1234678-HpCDD	41.83	1.19E+06	1.08	Y	1.09	1.07	-1%
OCDD	45.39	1.88E+06	0.93	Y	1.11	1.10	-1%
2378-TCDF	25.03	5.68E+05	0.82	Y	0.98	0.99	2%
12378-PeCDF	30.93	2.34E+06	1.62	Y	0.99	0.97	-2%
23478-PeCDF	32.32	2.42E+06	1.55	Y	1.02	1.01	-1%
123478-HxCDF	36.31	2.08E+06	1.24	Y	1.19	1.16	-3%
123678-HxCDF	36.48	2.29E+06	1.24	Y	1.16	1.13	-3%
234678-HxCDF	37.29	2.16E+06	1.26	Y	1.18	1.14	-3%
123789-HxCDF	38.43	1.74E+06	1.27	Y	1.09	1.06	-3%
1234678-HpCDF	40.40	1.92E+06	1.07	Y	1.35	1.30	-3%
1234789-HpCDF	42.41	1.46E+06	1.06	Y	1.34	1.28	-4%
OCDF	45.62	2.29E+06	0.91	Y	1.40	1.34	-4%
ES 2378-TCDD	26.08	6.73E+07	0.78	Y	1.04	1.03	-1%
ES 12378-PeCDD	32.73	5.57E+07	1.59	Y	0.87	0.85	-2%
ES 123478-HxCDD	37.49	5.11E+07	1.28	Y	0.94	0.93	-1%
ES 123678-HxCDD	37.63	5.85E+07	1.26	Y	1.06	1.06	0%
ES 1234678-HpCDD	41.82	4.45E+07	1.06	Y	0.80	0.81	1%
ES OCDD	45.38	6.85E+07	0.90	Y	0.63	0.62	-1%
ES 2378-TCDF	25.01	1.14E+08	0.79	Y	1.74	1.74	0%
ES 12378-PeCDF	30.91	9.65E+07	1.60	Y	1.49	1.47	-1%
ES 23478-PeCDF	32.30	9.60E+07	1.58	Y	1.48	1.47	-1%
ES 123478-HxCDF	36.29	7.18E+07	0.52	Y	1.27	1.30	2%
ES 123678-HxCDF	36.46	8.14E+07	0.53	Y	1.41	1.48	5%
ES 234678-HxCDF	37.27	7.60E+07	0.53	Y	1.34	1.38	3%
ES 123789-HxCDF	38.42	6.56E+07	0.53	Y	1.20	1.19	-1%
ES 1234678-HpCDF	40.39	5.87E+07	0.46	Y	1.06	1.07	1%
ES 1234789-HpCDF	42.40	4.55E+07	0.46	Y	0.82	0.83	1%



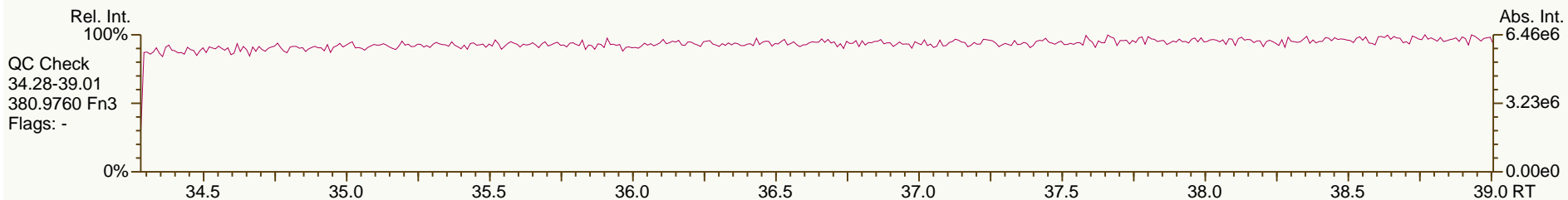
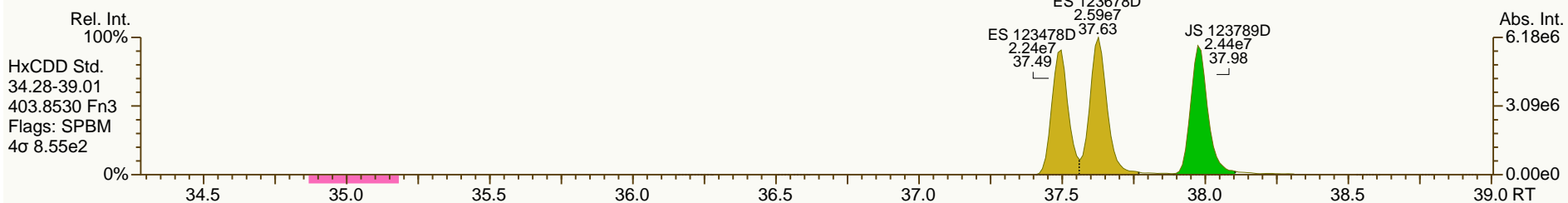
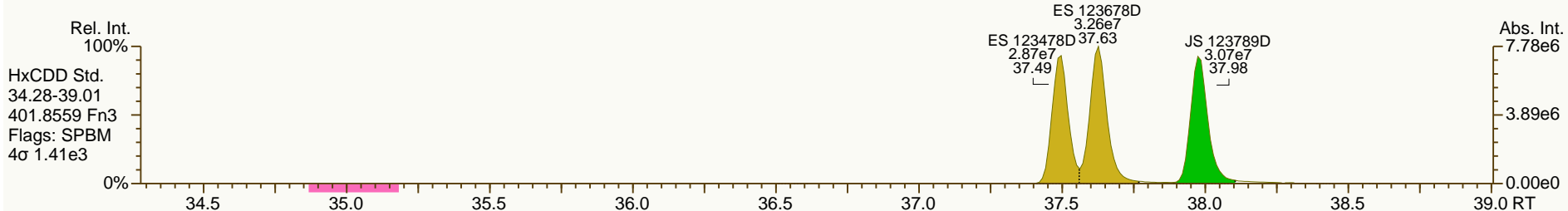
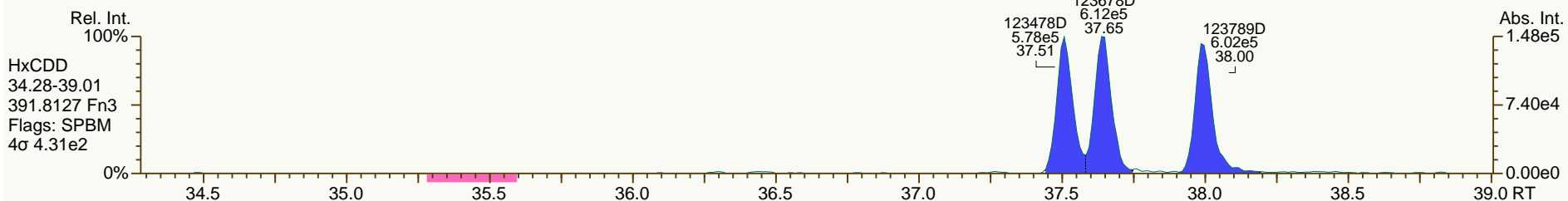
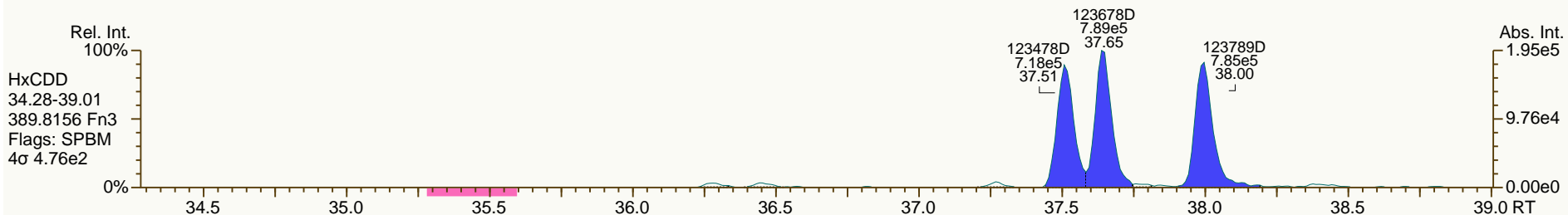


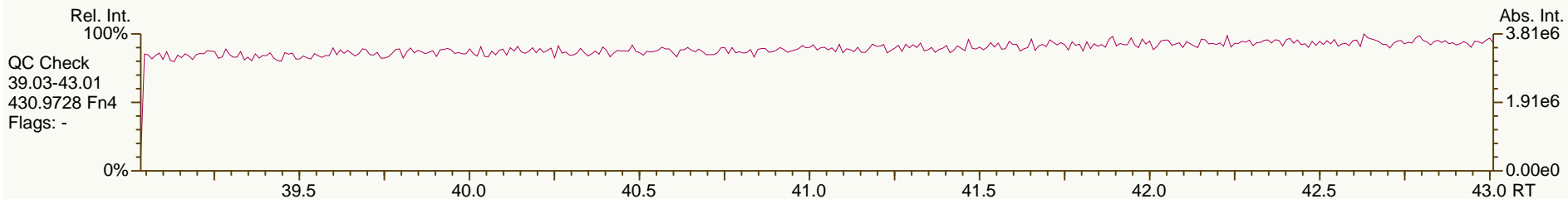
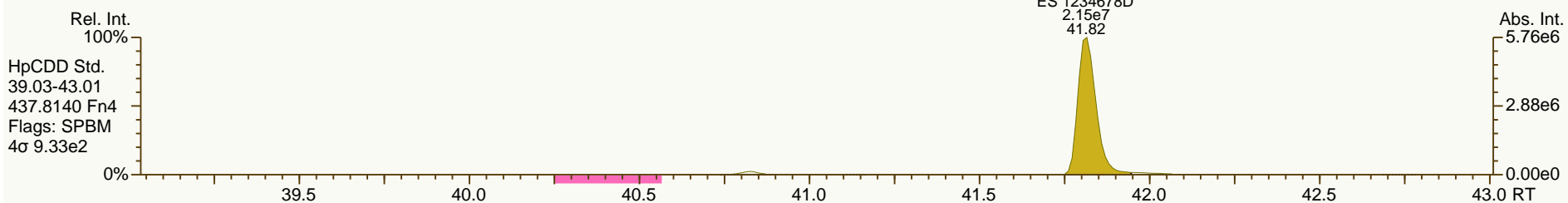
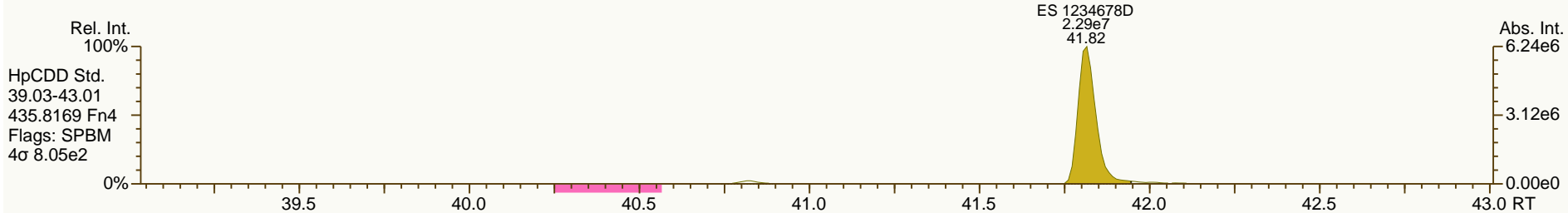
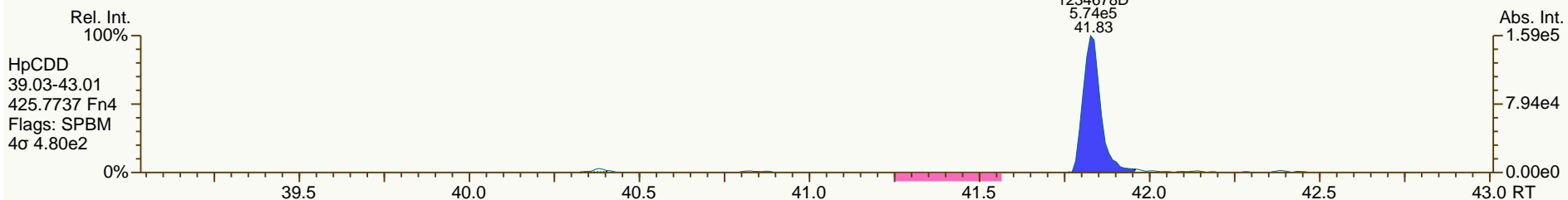
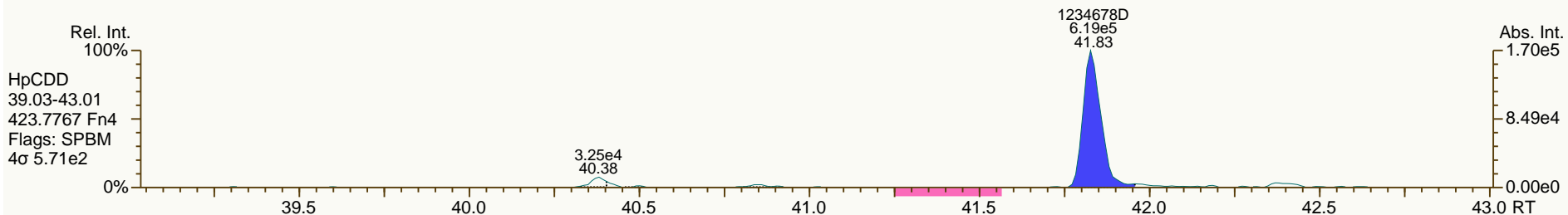
SGS-AP ID: 1613_CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 1613_CS1
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

Acq: 01-AUG-2012 11:17:24
User: MDC Datafile: 120801P2-02



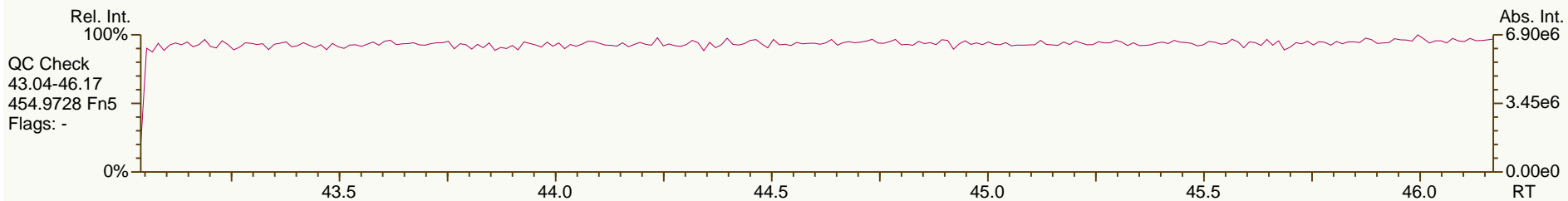
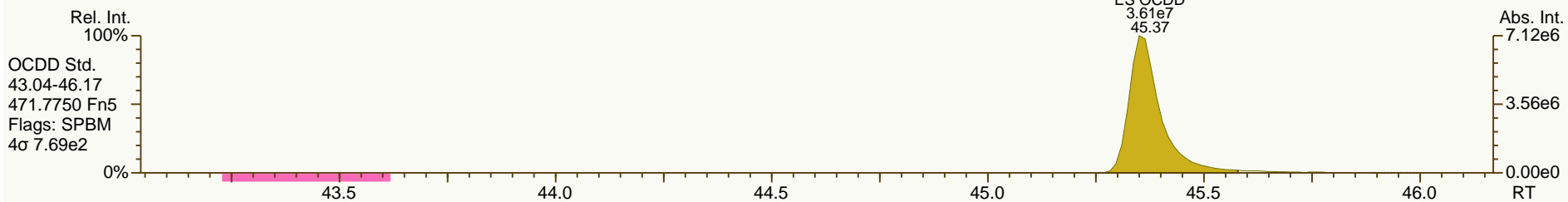
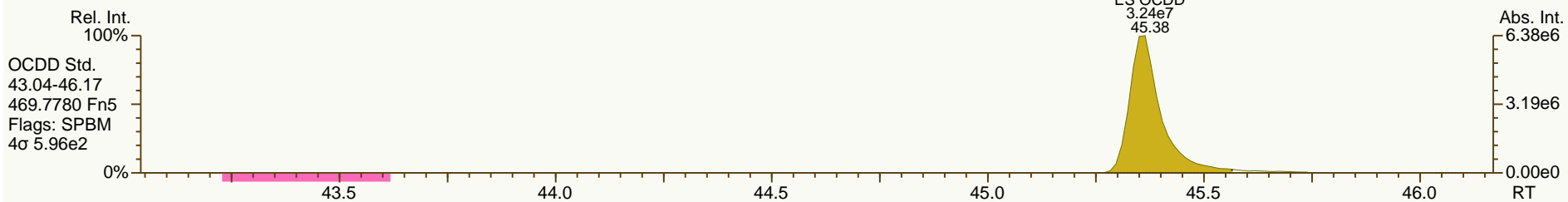
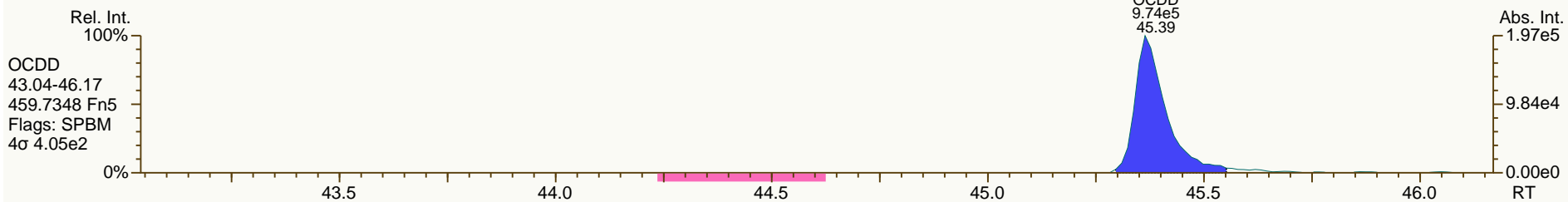
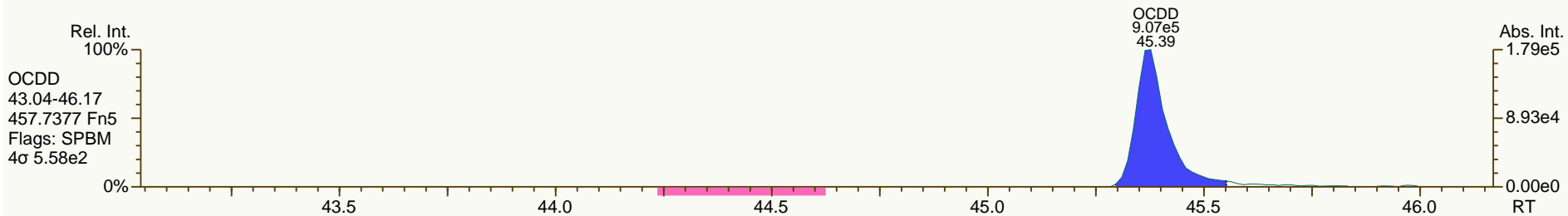


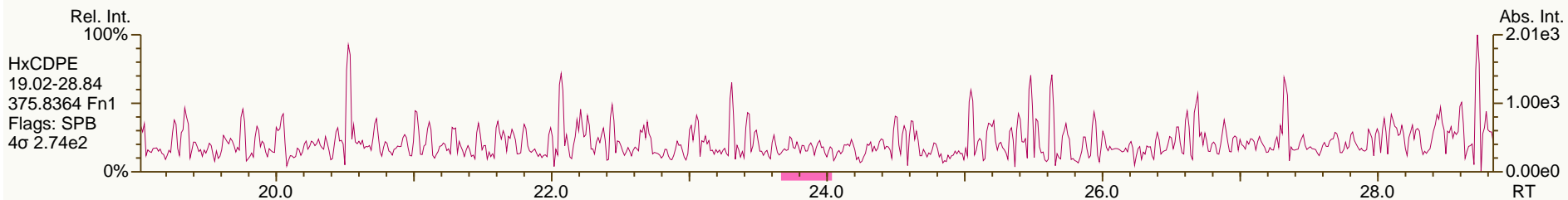
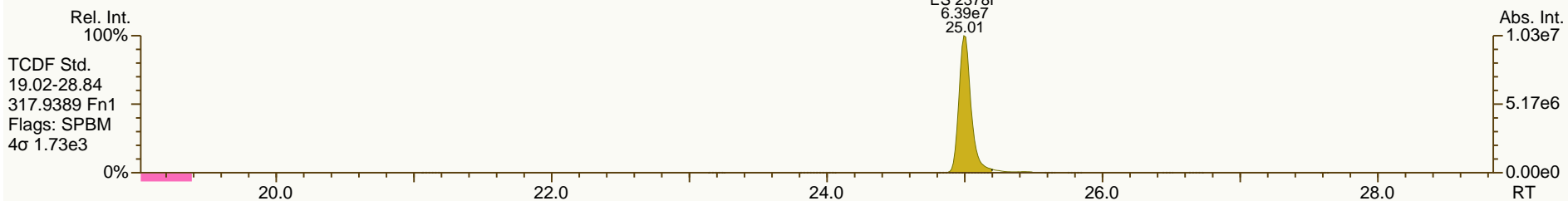
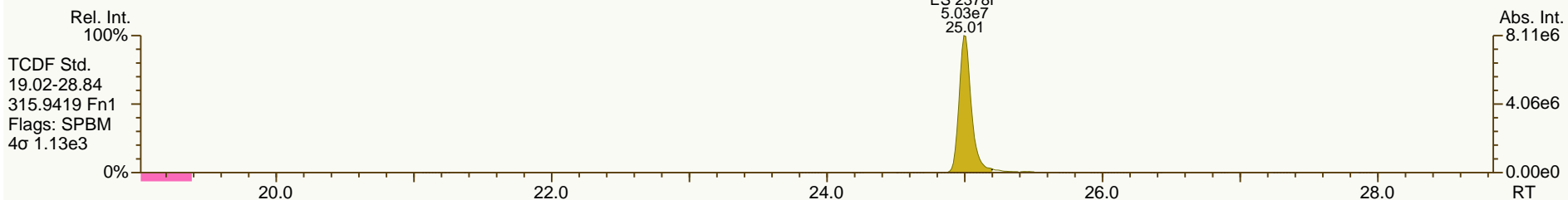
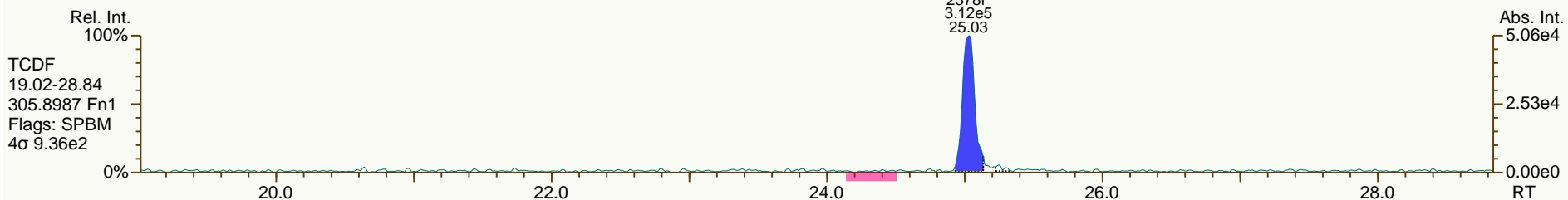
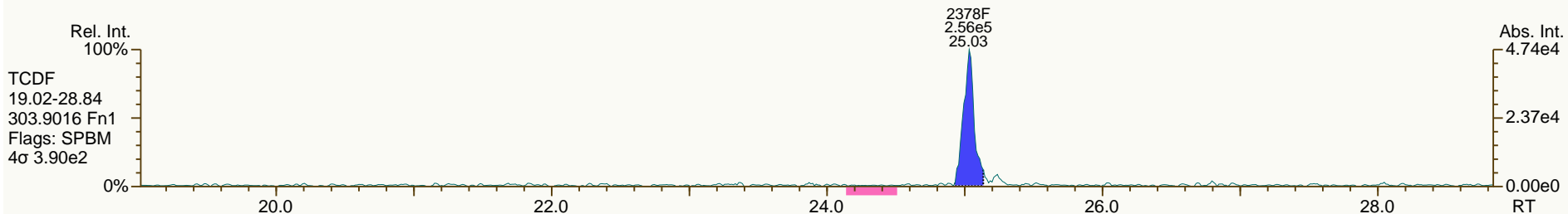


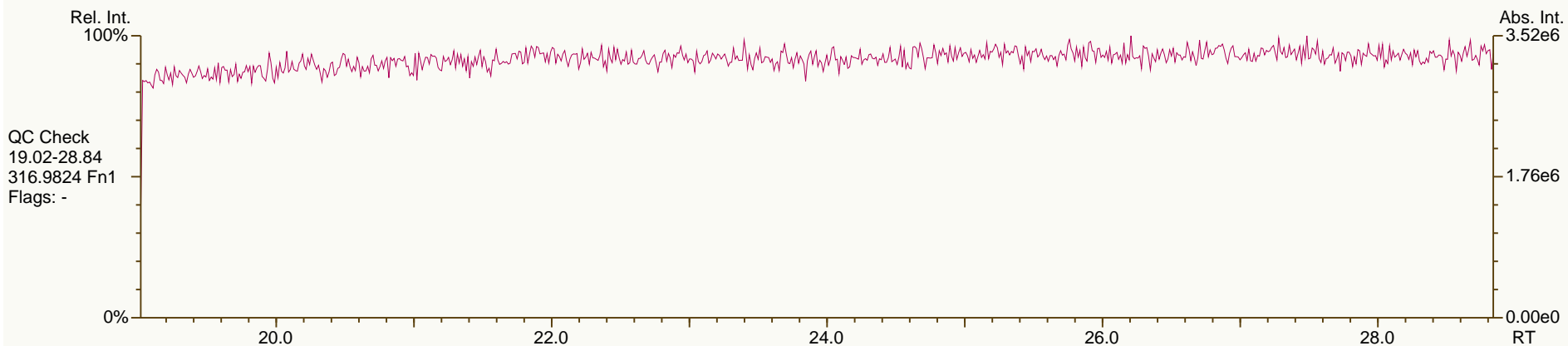
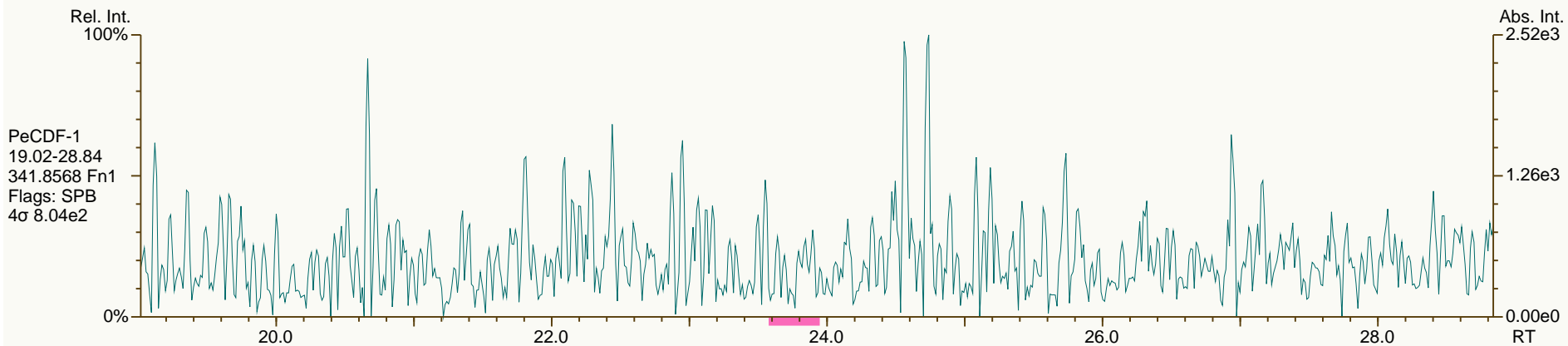
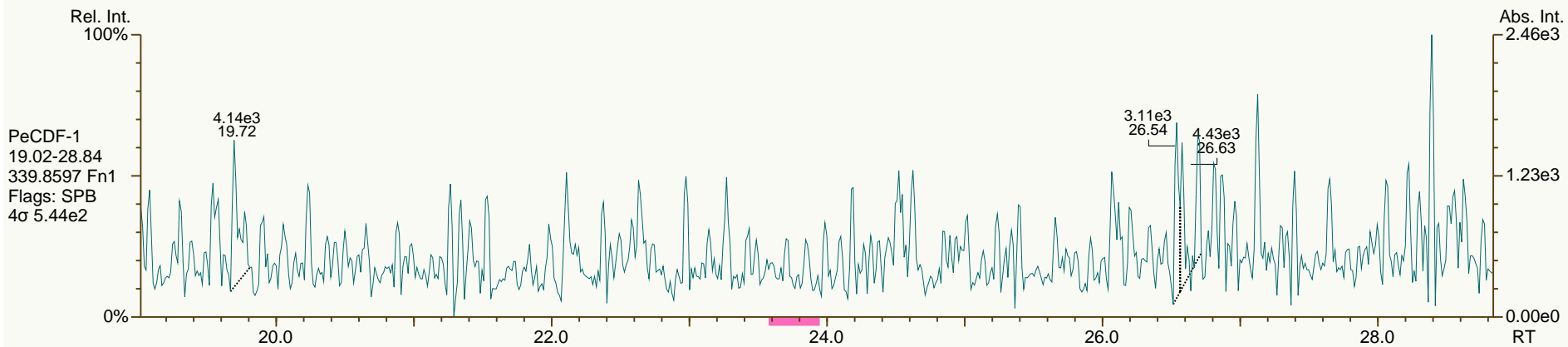
SGS-AP ID: 1613_CS1
Instr: AutoSpec-Ultima MM1

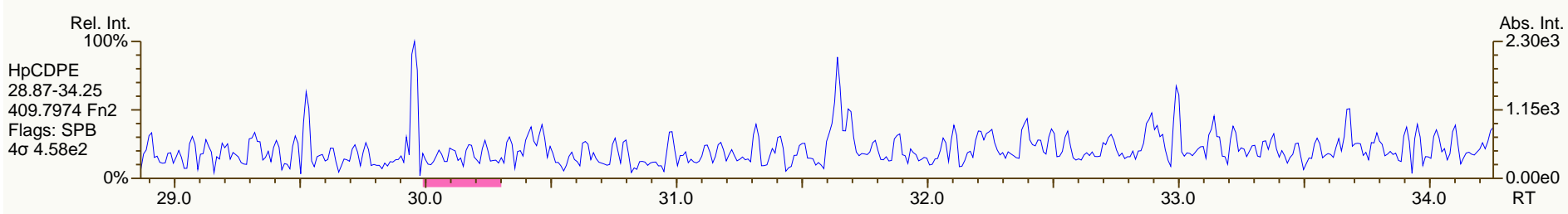
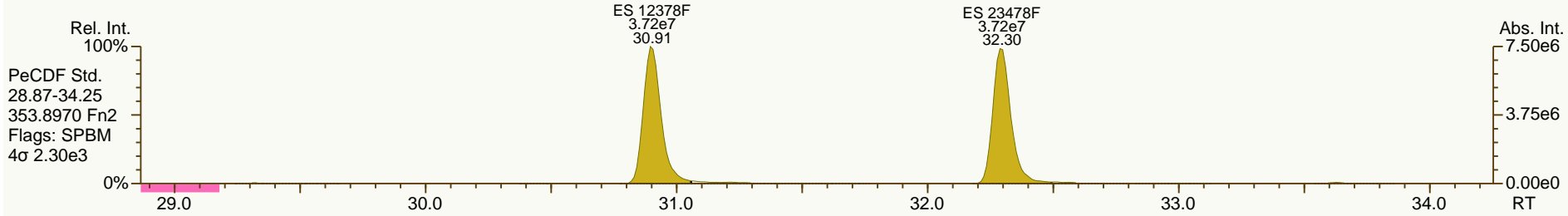
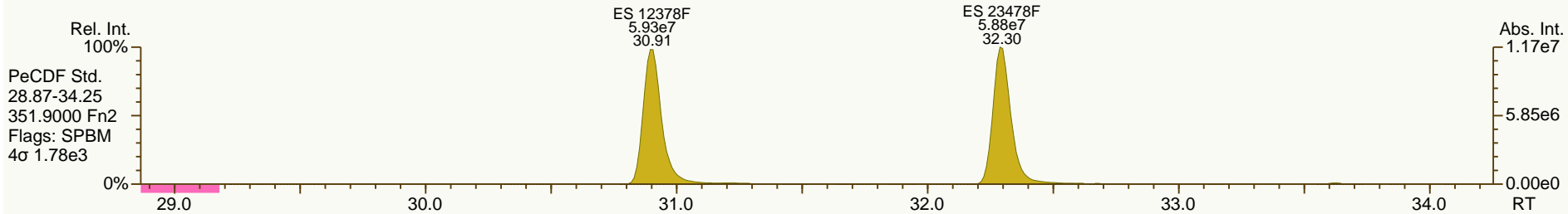
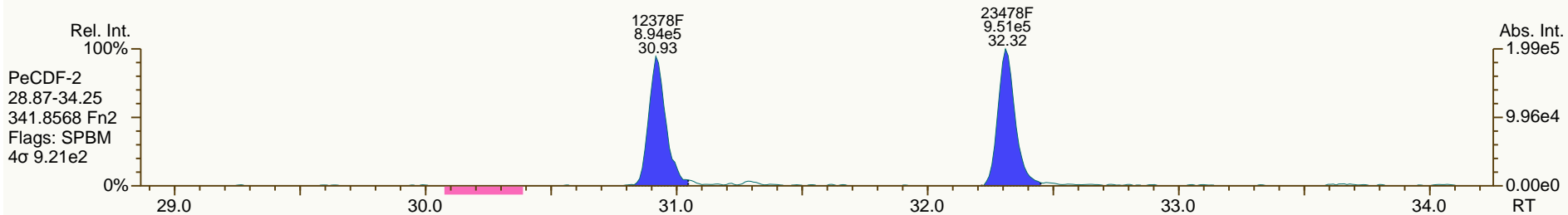
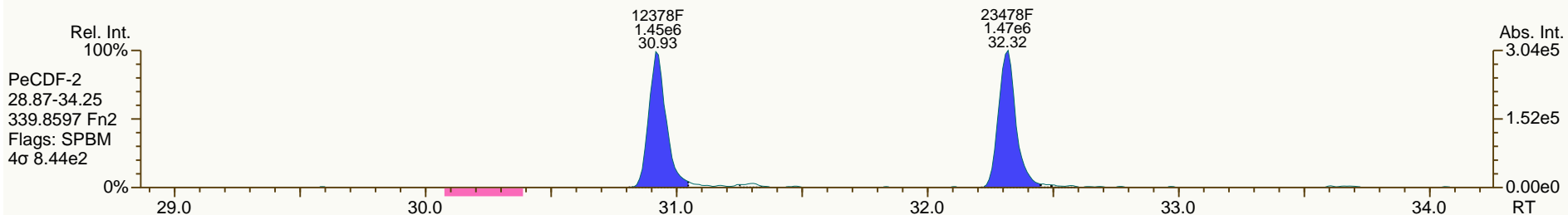
Sample ID: 1613_CS1
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

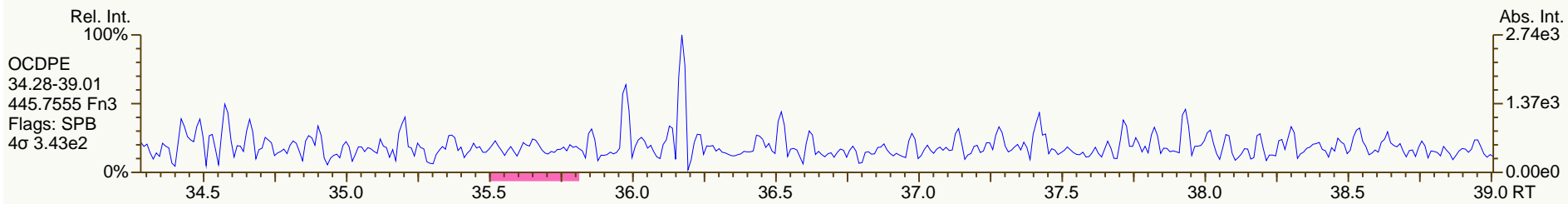
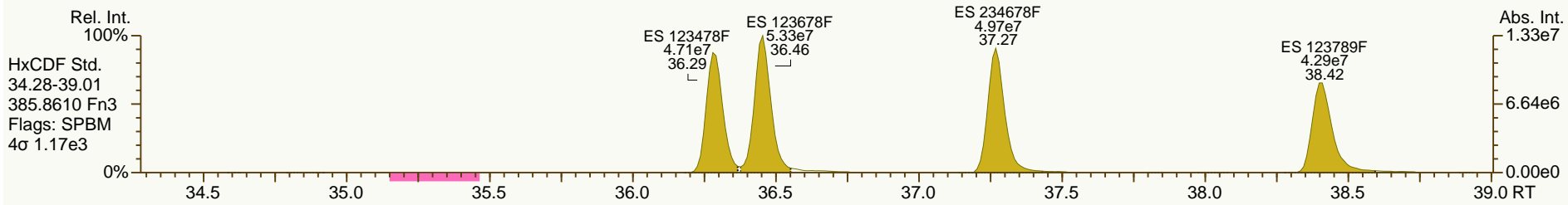
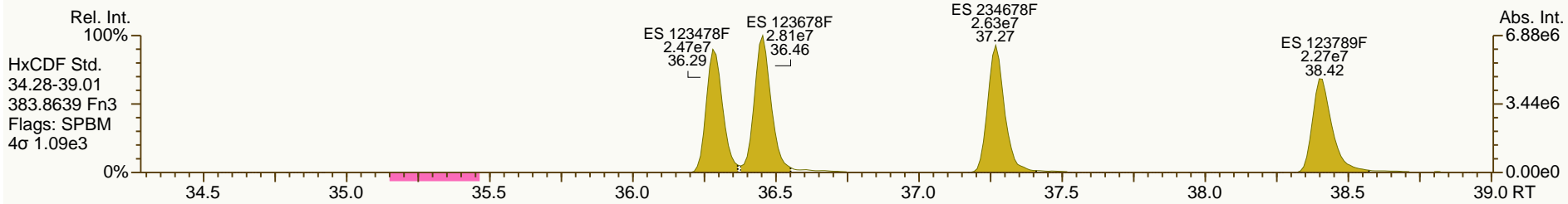
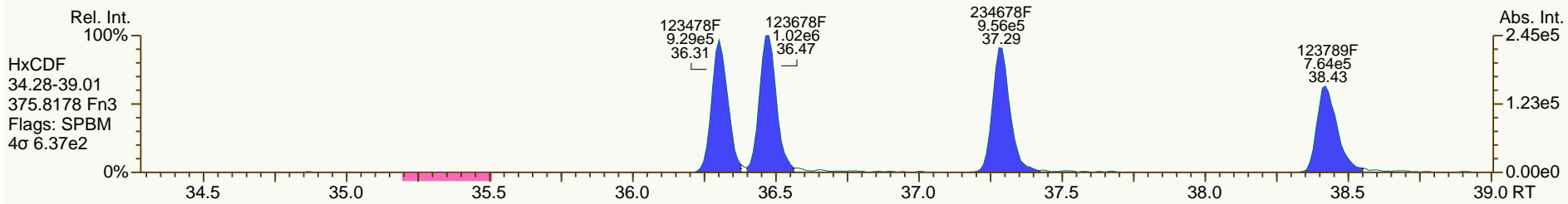
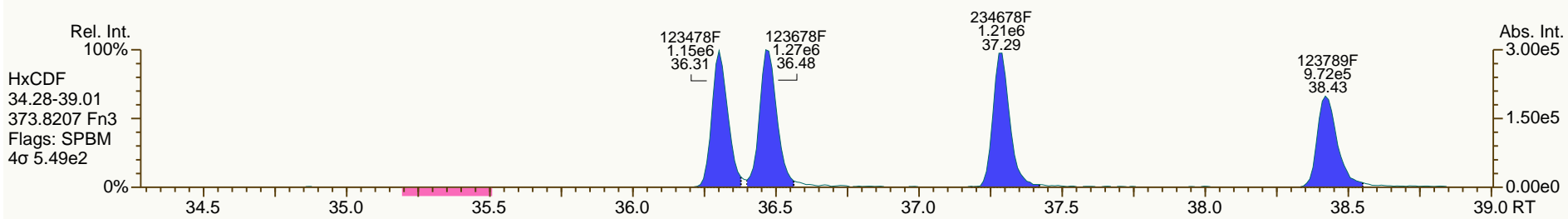
Acq: 01-AUG-2012 11:17:24
User: MDC Datafile: 120801P2-02







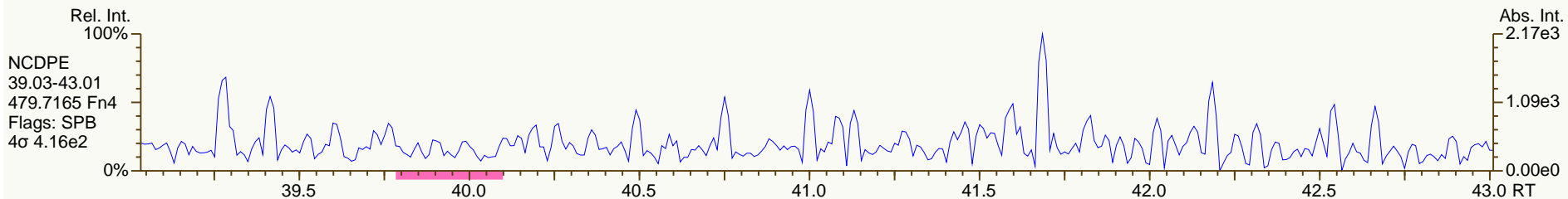
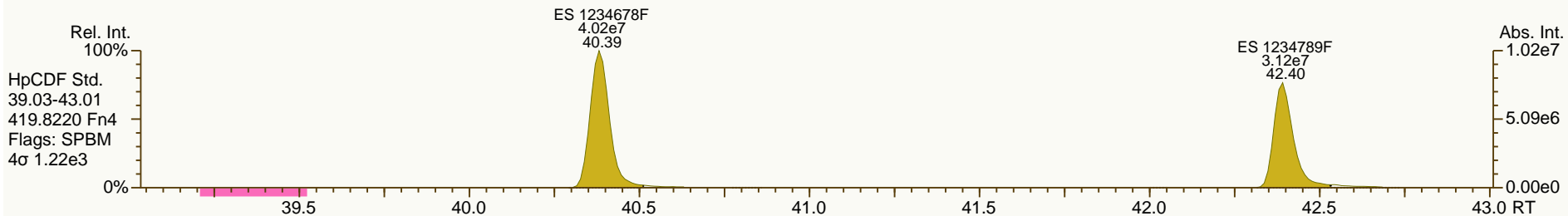
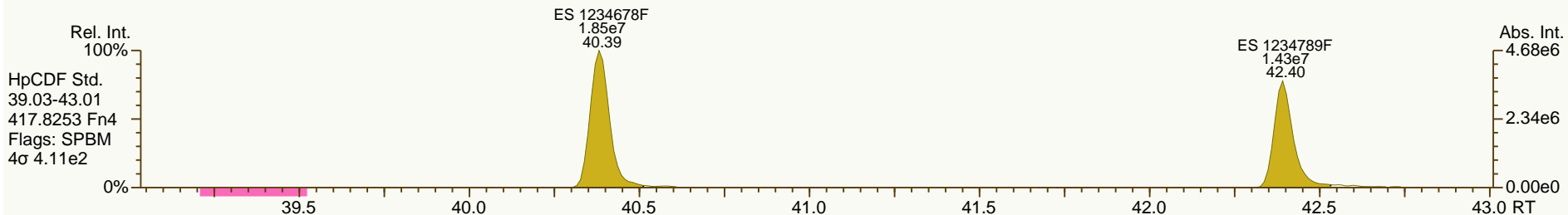
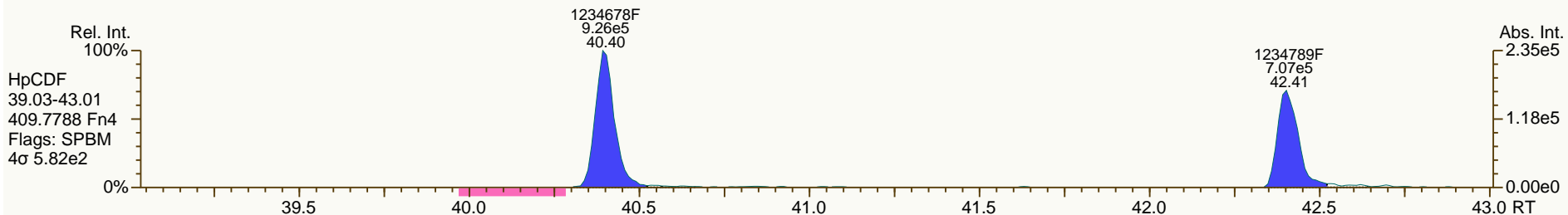
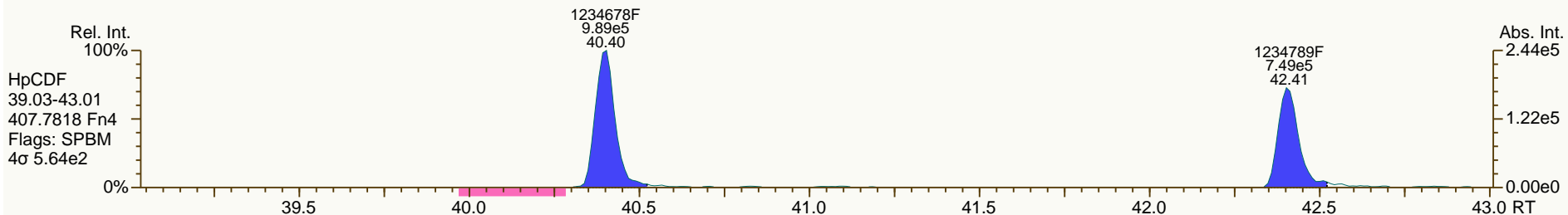




SGS-AP ID: 1613_CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 1613_CS1
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

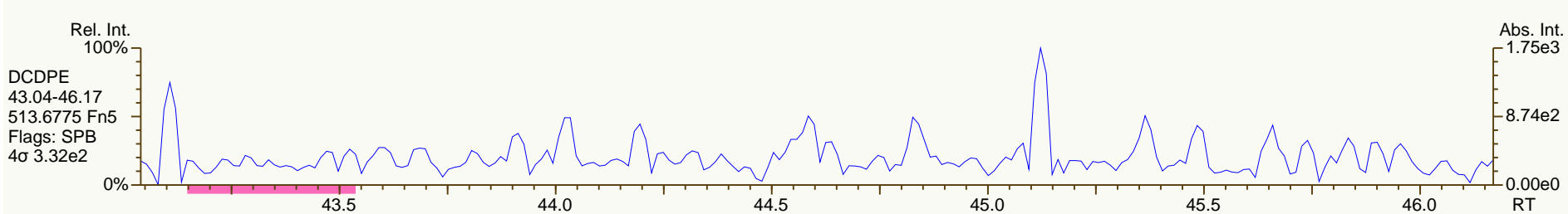
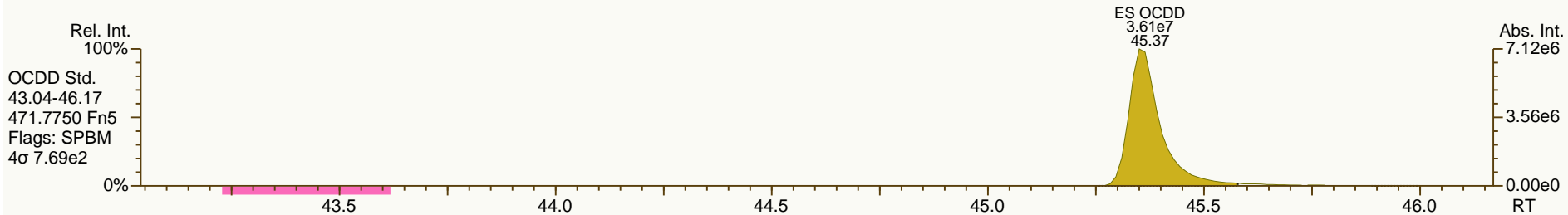
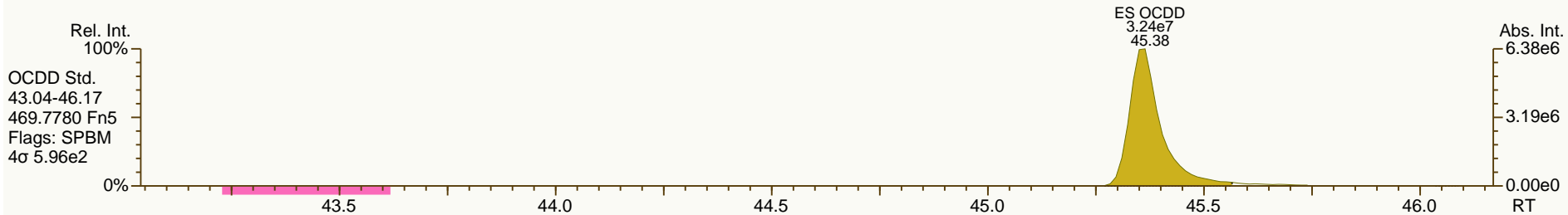
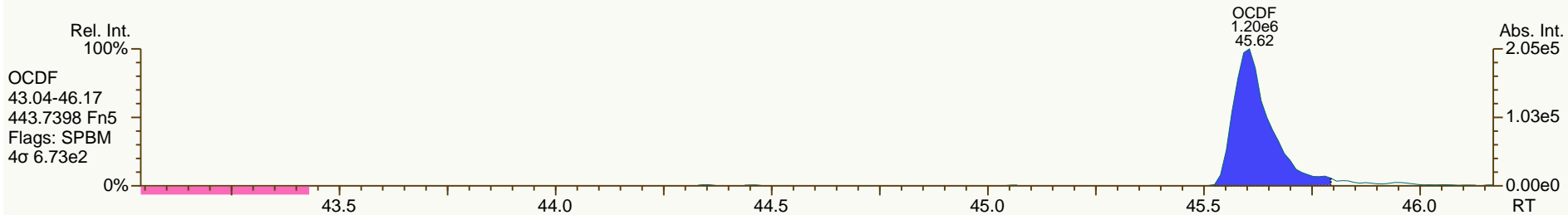
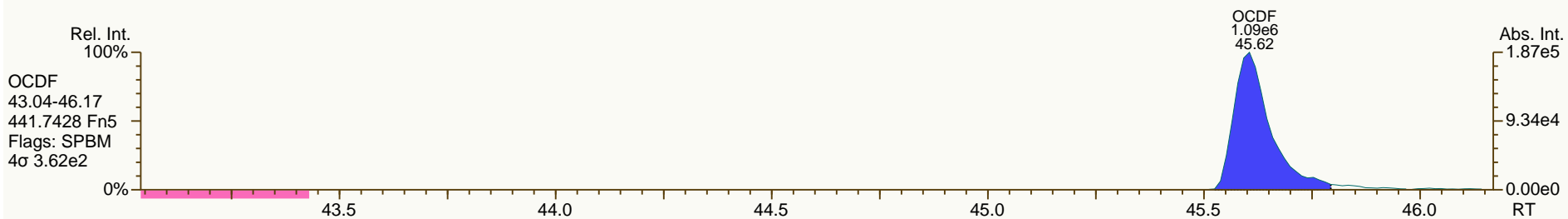
Acq: 01-AUG-2012 11:17:24
User: MDC Datafile: 120801P2-02



SGS-AP ID: 1613_CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 1613_CS1
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

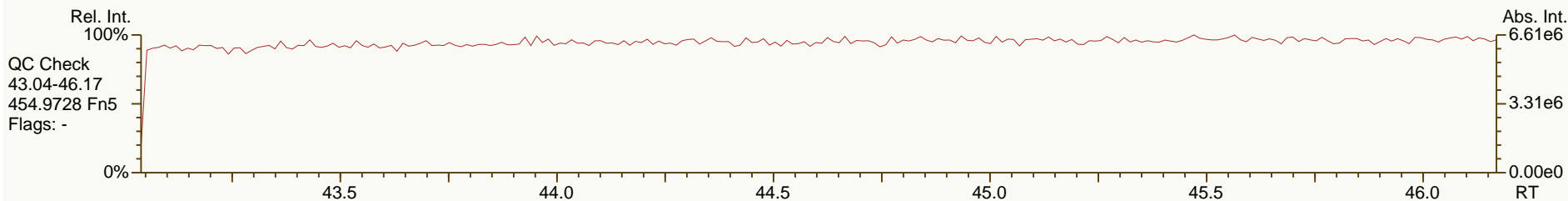
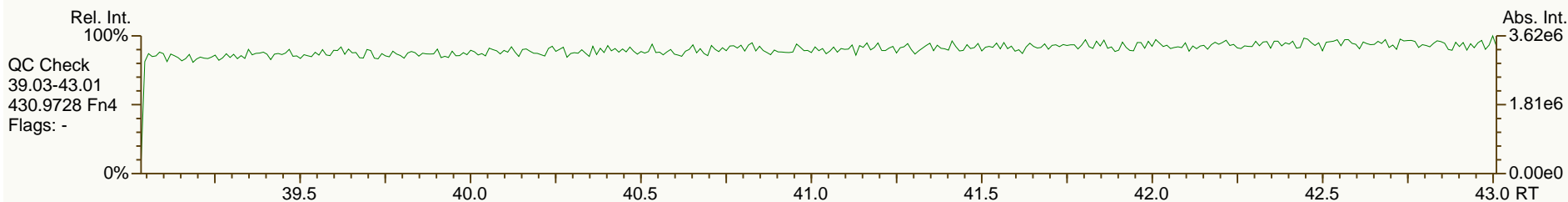
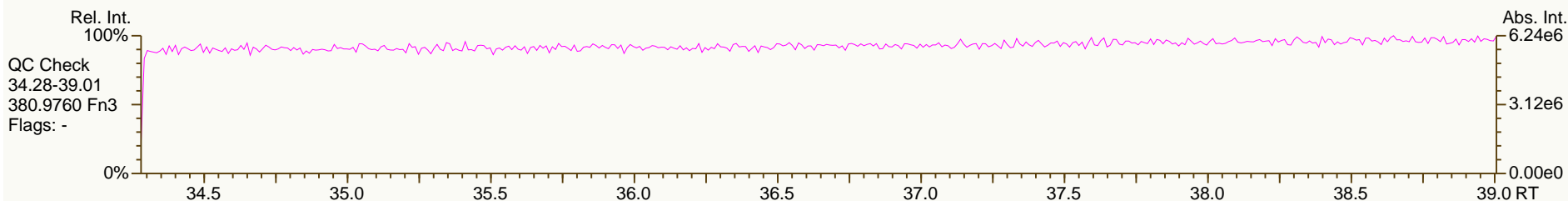
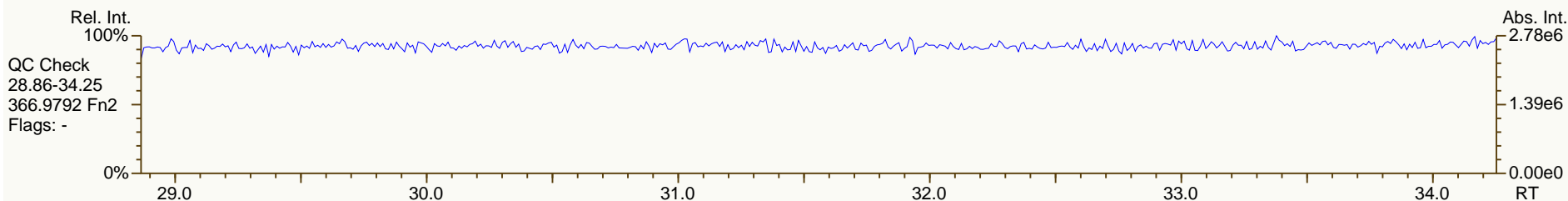
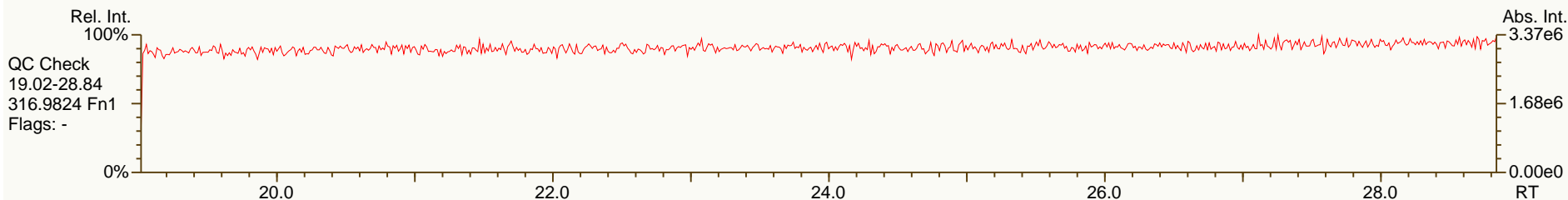
Acq: 01-AUG-2012 11:17:24
User: MDC Datafile: 120801P2-02

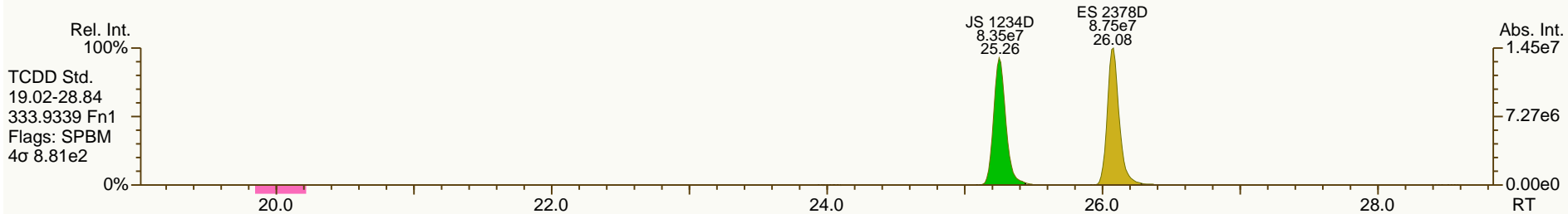
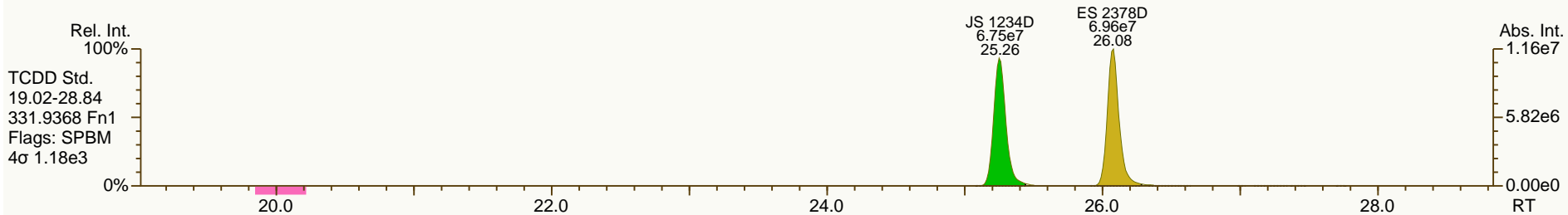
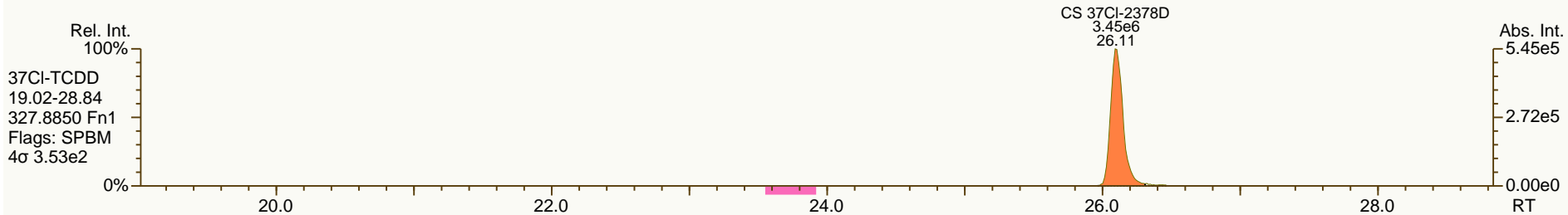
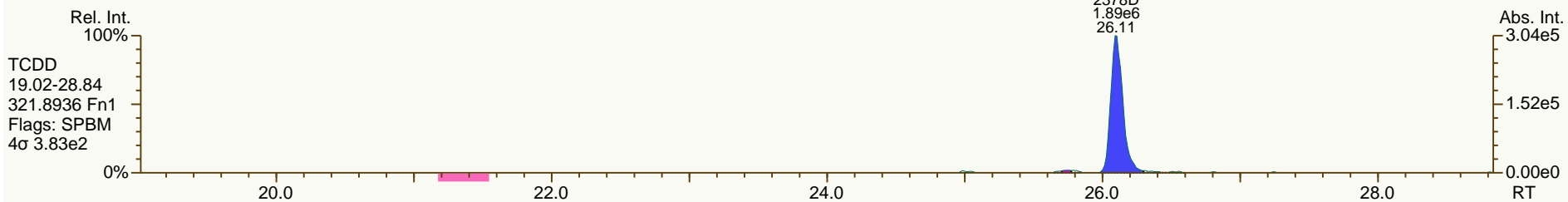
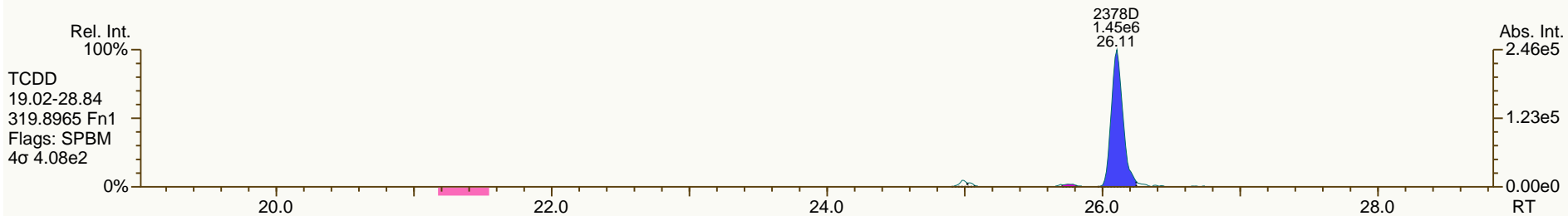


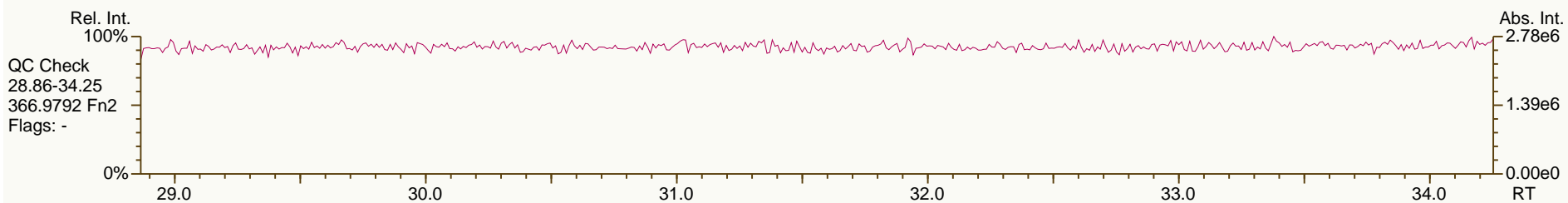
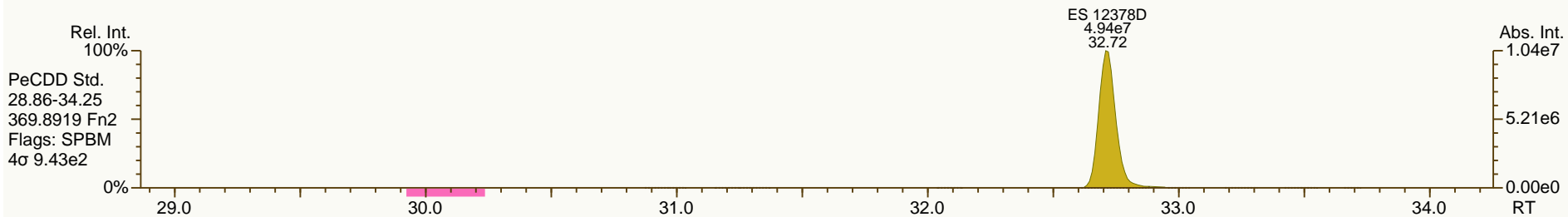
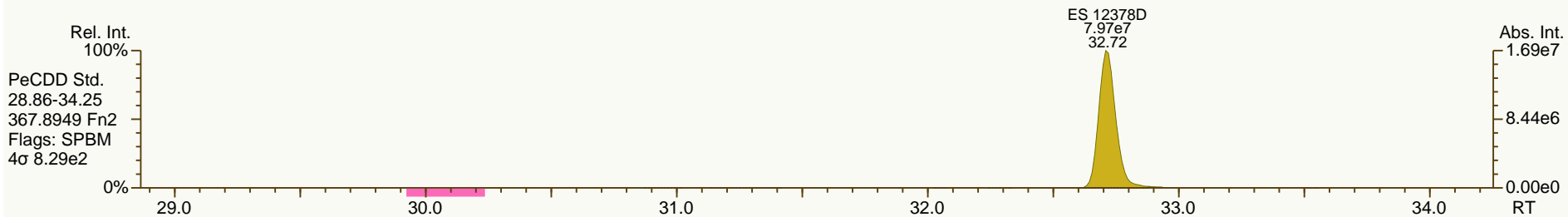
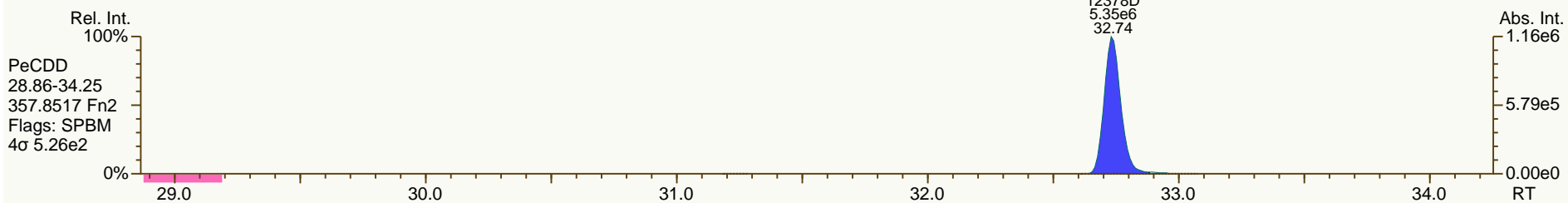
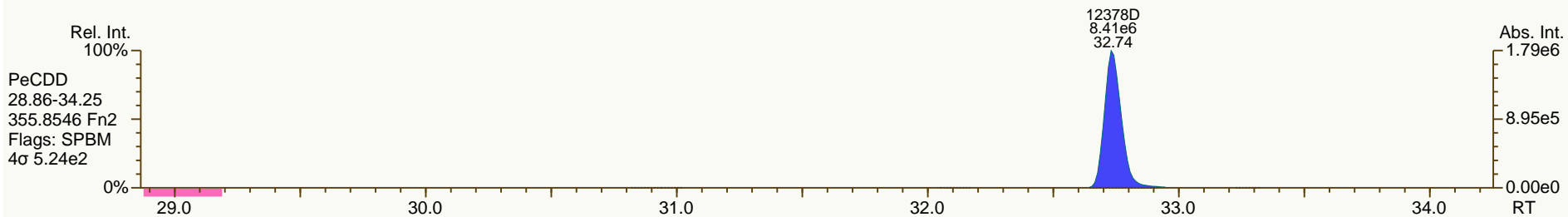
Dioxin/Furan QC Summary		Acq'd: 01 Aug 2012 12:07 MDC			ICAL: 1613_SGS		
Lab ID: 1613_CS2		UTP: 01-Aug-2012 13:03 MDC			Checkcode: 440-192-YFH		
Sample ID: 1613_CS2		Report: 16 Oct 2012 09:39 MC			Datafile: 120801P2-03		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.11	3.34E+06	0.77	Y	1.08	1.06	-2%
12378-PeCDD	32.74	1.38E+07	1.57	Y	1.07	1.07	-1%
123478-HxCDD	37.51	1.24E+07	1.28	Y	1.05	1.04	-1%
123678-HxCDD	37.64	1.31E+07	1.25	Y	0.98	0.96	-2%
123789-HxCDD	37.99	1.27E+07	1.26	Y	1.01	0.99	-2%
1234678-HpCDD	41.82	1.08E+07	1.07	Y	1.09	1.08	-1%
OCDD	45.37	1.64E+07	0.90	Y	1.11	1.12	1%
2378-TCDF	25.04	5.06E+06	0.79	Y	0.98	0.95	-3%
12378-PeCDF	30.93	2.22E+07	1.57	Y	0.99	0.98	0%
23478-PeCDF	32.31	2.25E+07	1.57	Y	1.02	1.01	0%
123478-HxCDF	36.30	1.93E+07	1.25	Y	1.19	1.20	1%
123678-HxCDF	36.47	2.05E+07	1.24	Y	1.16	1.16	1%
234678-HxCDF	37.28	2.01E+07	1.25	Y	1.18	1.15	-2%
123789-HxCDF	38.42	1.66E+07	1.26	Y	1.09	1.09	0%
1234678-HpCDF	40.39	1.82E+07	1.04	Y	1.35	1.36	1%
1234789-HpCDF	42.40	1.37E+07	1.03	Y	1.34	1.33	-1%
OCDF	45.60	1.98E+07	0.91	Y	1.40	1.35	-3%
ES 2378-TCDD	26.08	1.57E+08	0.80	Y	1.04	1.04	0%
ES 12378-PeCDD	32.72	1.29E+08	1.61	Y	0.87	0.86	-1%
ES 123478-HxCDD	37.49	1.20E+08	1.26	Y	0.94	0.93	-2%
ES 123678-HxCDD	37.62	1.36E+08	1.26	Y	1.06	1.05	-1%
ES 1234678-HpCDD	41.81	9.95E+07	1.07	Y	0.80	0.77	-4%
ES OCDD	45.36	1.47E+08	0.91	Y	0.63	0.57	-10%
ES 2378-TCDF	25.01	2.66E+08	0.80	Y	1.74	1.77	2%
ES 12378-PeCDF	30.91	2.26E+08	1.58	Y	1.49	1.50	0%
ES 23478-PeCDF	32.29	2.23E+08	1.59	Y	1.48	1.47	-1%
ES 123478-HxCDF	36.28	1.60E+08	0.53	Y	1.27	1.24	-3%
ES 123678-HxCDF	36.45	1.76E+08	0.54	Y	1.41	1.36	-4%
ES 234678-HxCDF	37.26	1.75E+08	0.53	Y	1.34	1.35	0%
ES 123789-HxCDF	38.40	1.53E+08	0.53	Y	1.20	1.18	-2%
ES 1234678-HpCDF	40.38	1.34E+08	0.45	Y	1.06	1.03	-2%
ES 1234789-HpCDF	42.38	1.03E+08	0.45	Y	0.82	0.80	-3%

Dioxin/Furan QC Summary	Acq'd: 01 Aug 2012 12:07 MDC	ICAL: 1613_SGS
Lab ID: 1613_CS2	UTP: 01-Aug-2012 13:03 MDC	Checkcode: 440-192
Sample ID: 1613_CS2	Report: 16 Oct 2012 09:39 MC	Datafile: 120801P2-03

Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.26	1.51E+08	0.81	Y	-	-	-
JS 123789-HxCDD	37.97	1.29E+08	1.25	Y	-	-	-
CS 37C1-2378-TCDD	26.11	3.45E+06	n/a	-	1.17	1.14	-3%
SS 37C1-2378-TCDD	26.11	3.45E+06	n/a	-	1.12	1.10	-2%



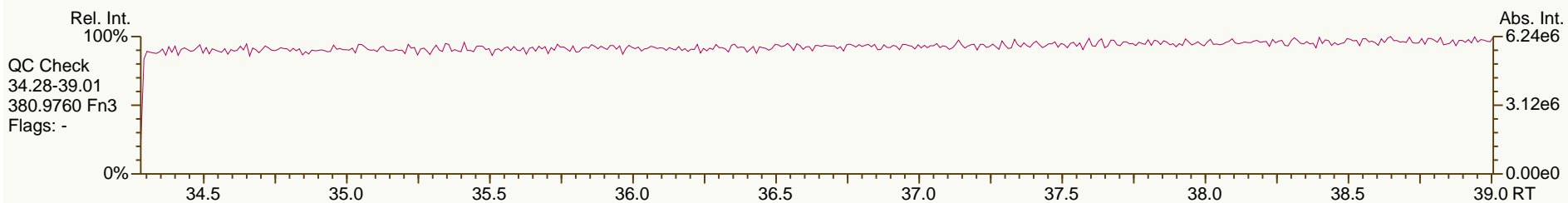
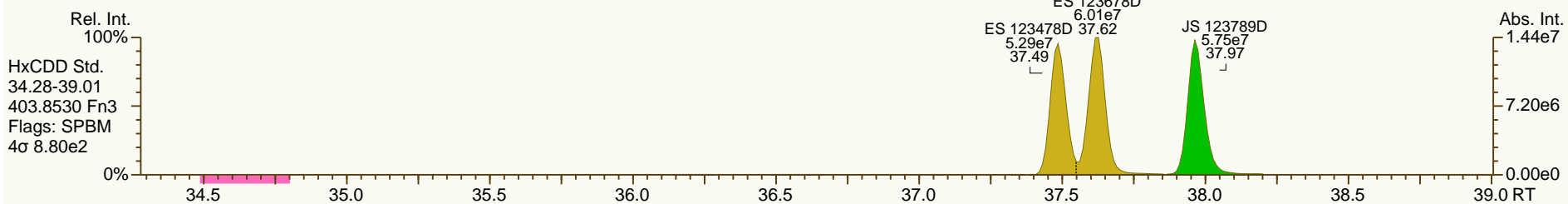
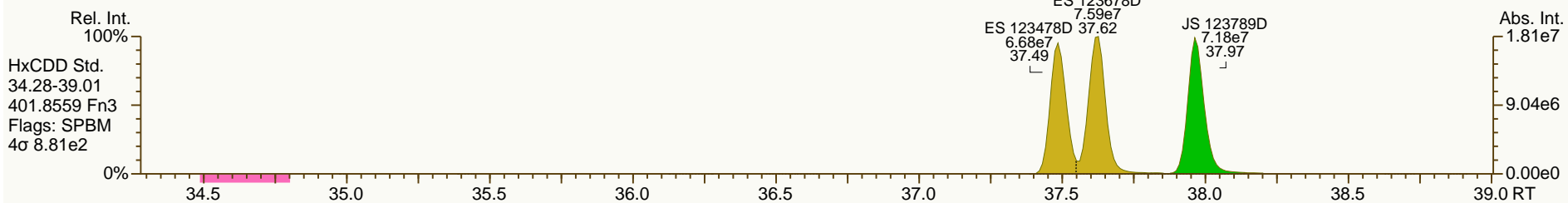
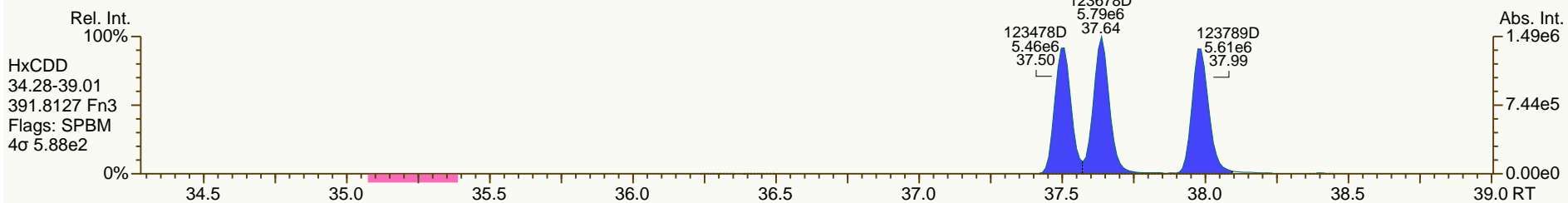
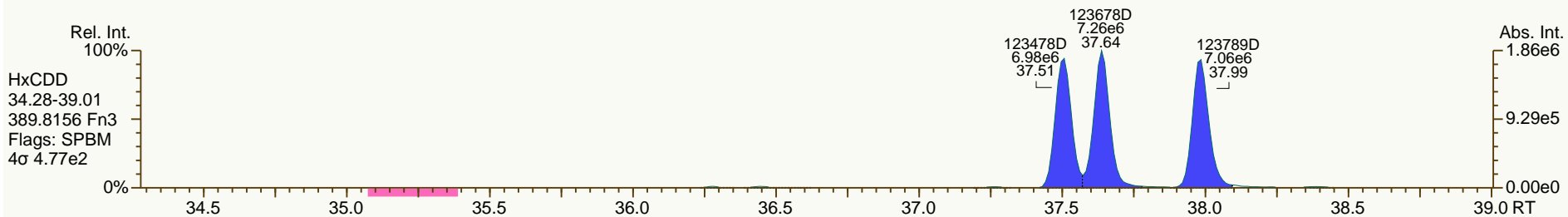


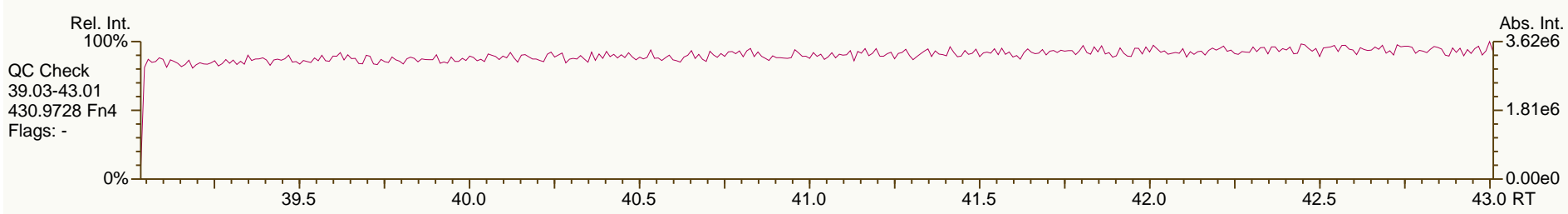
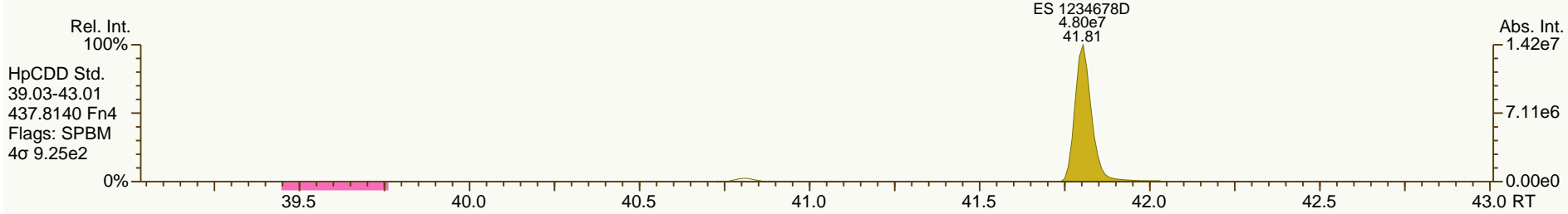
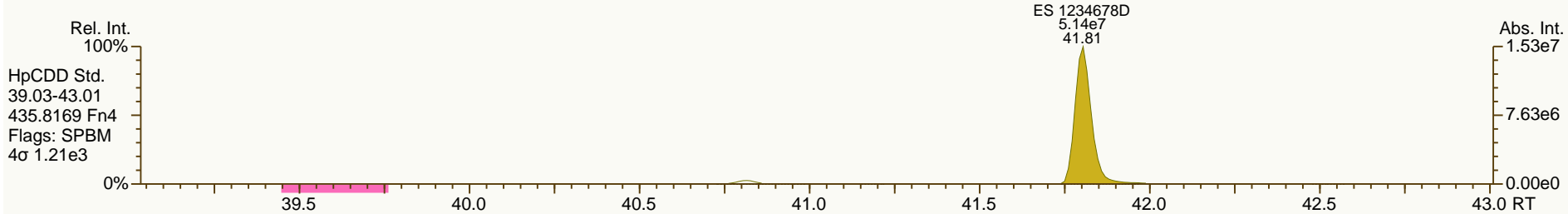
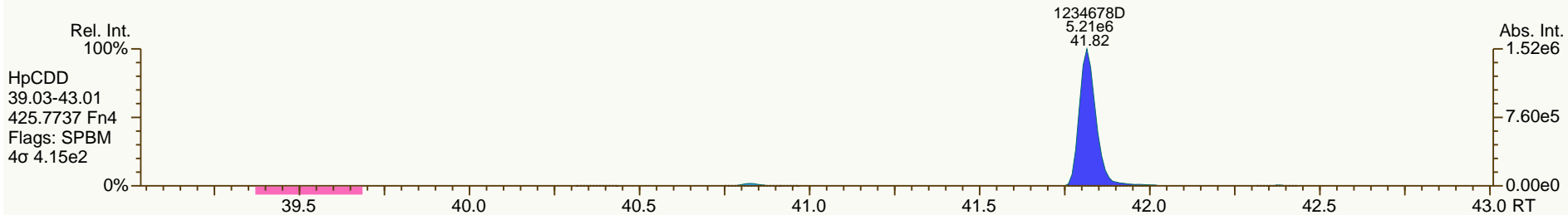
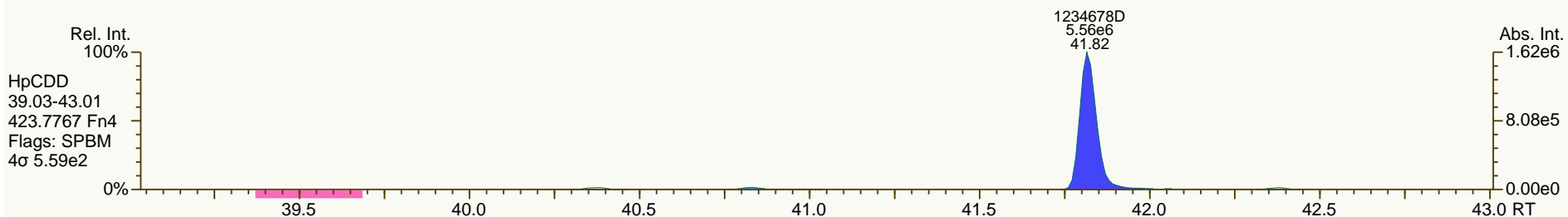


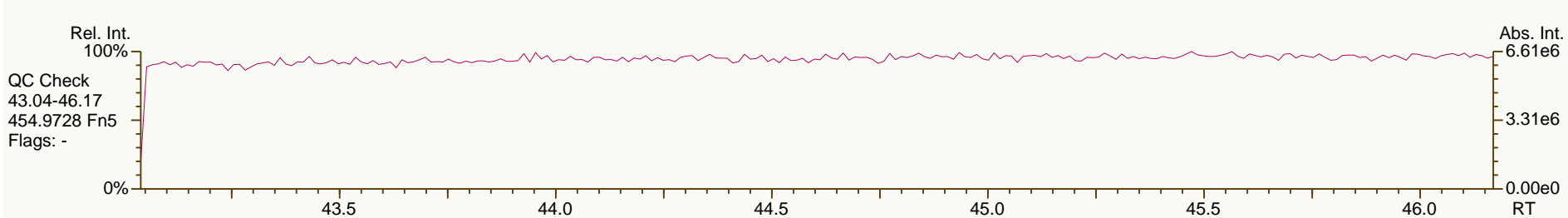
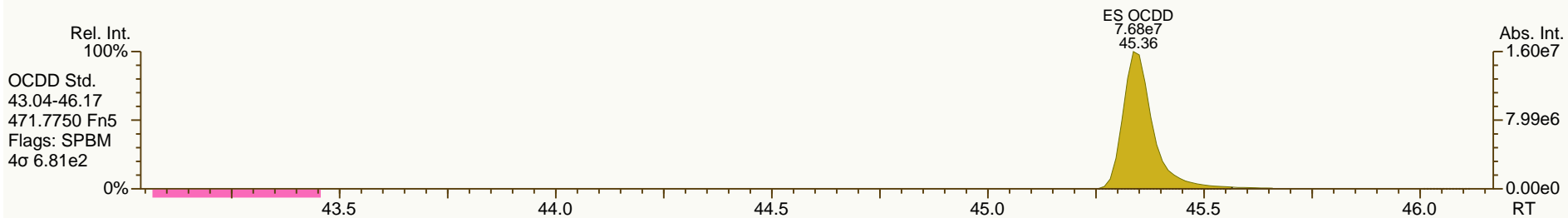
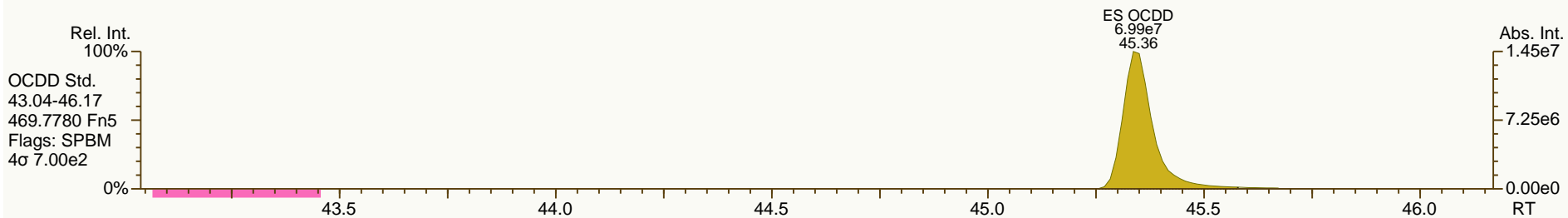
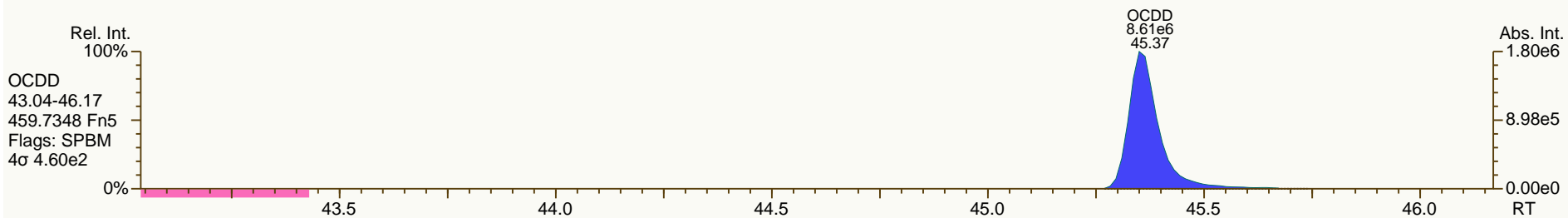
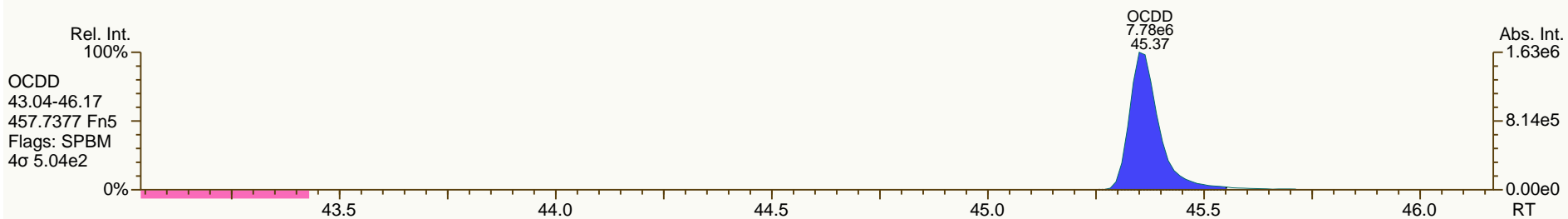
SGS-AP ID: 1613_CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 1613_CS2
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 33

Acq: 01-AUG-2012 12:07:35
User: MDC Datafile: 120801P2-03



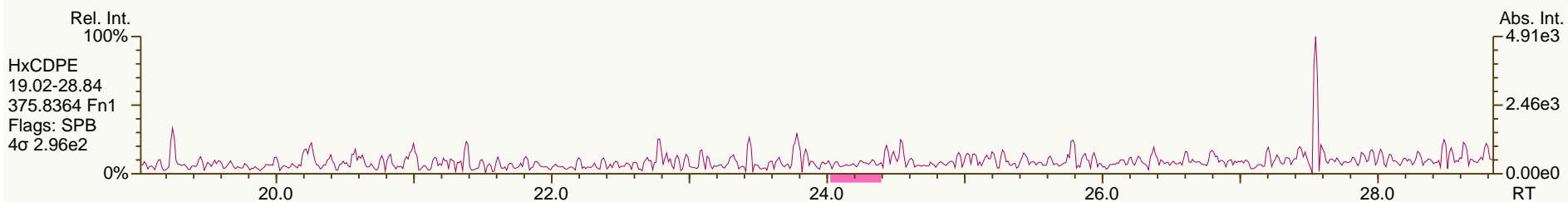
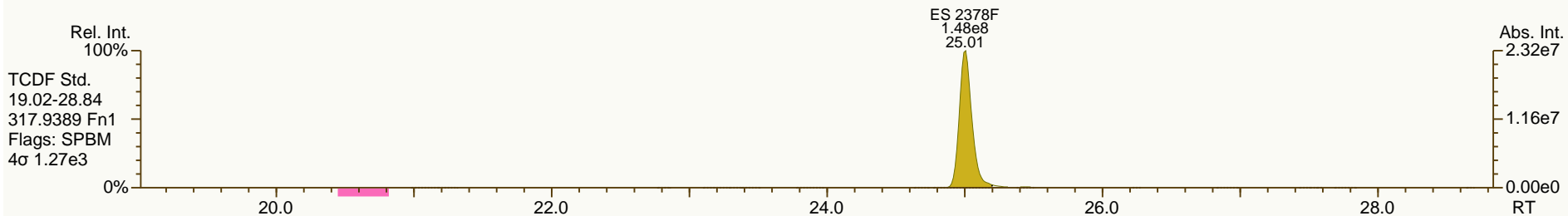
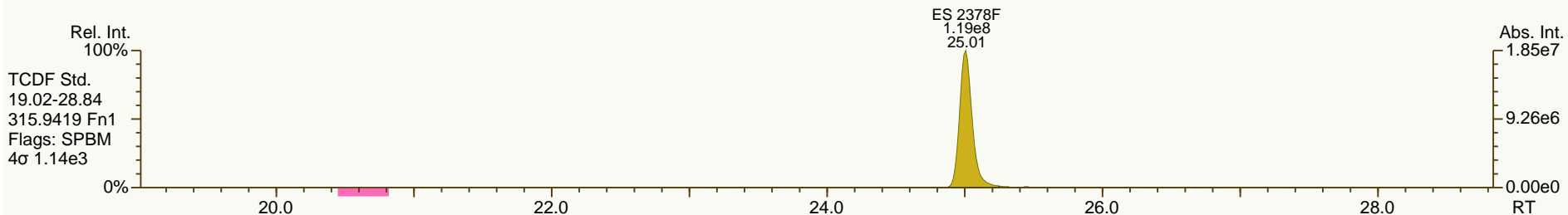
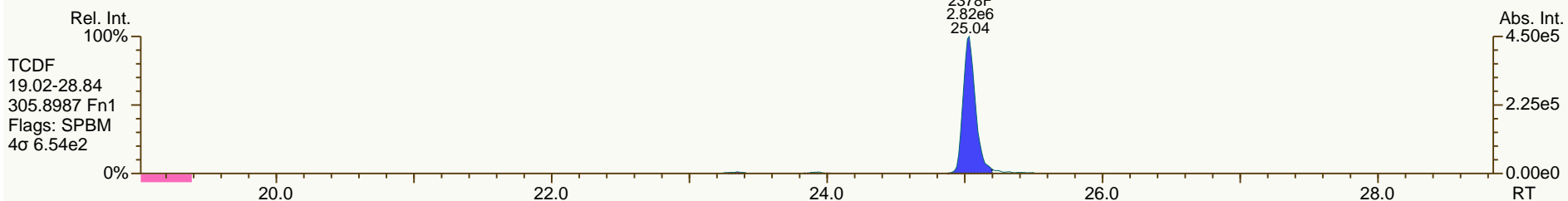
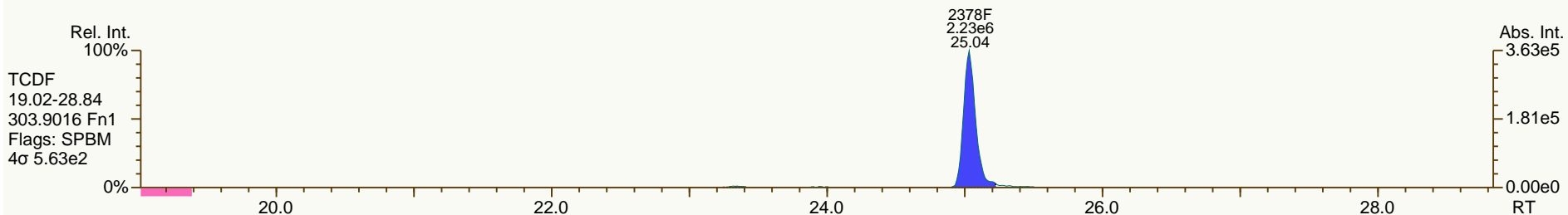


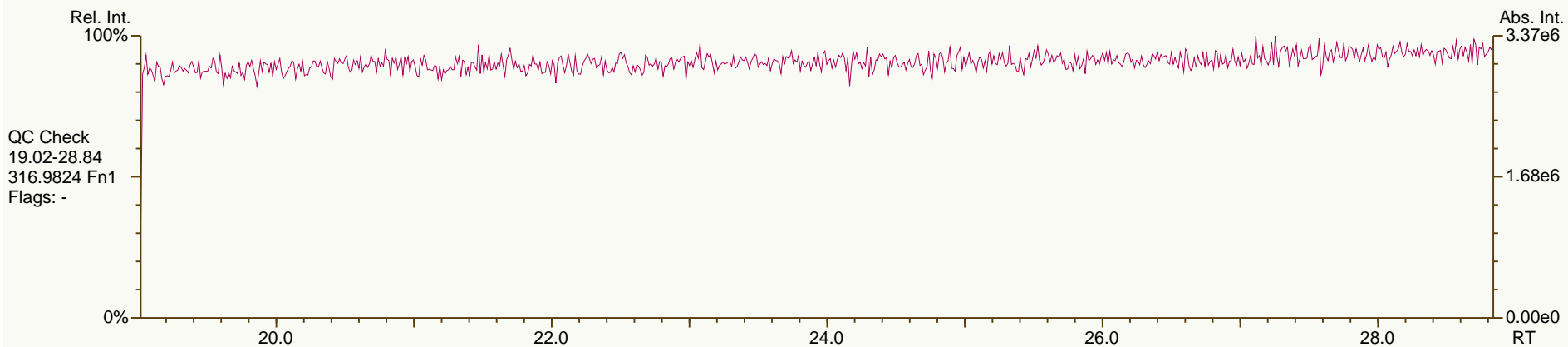
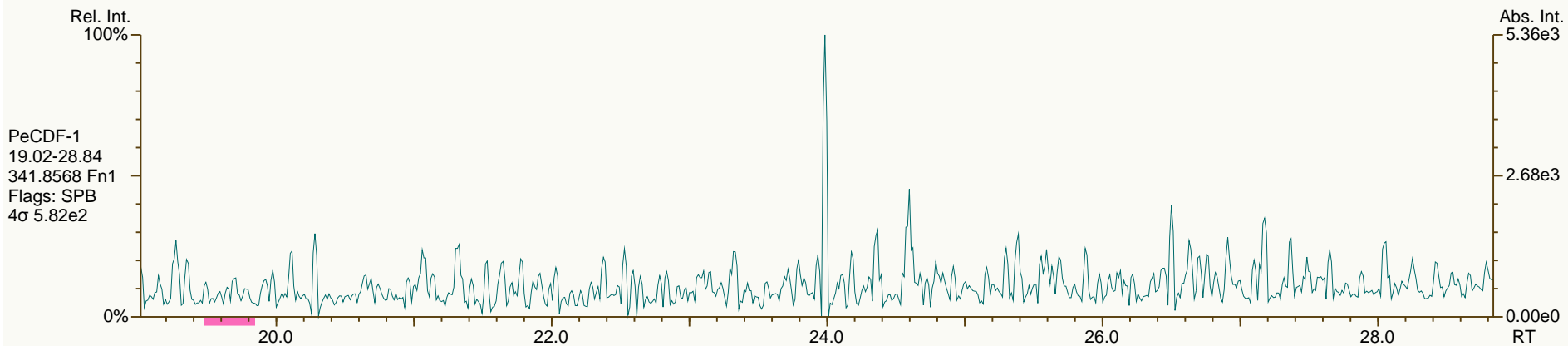
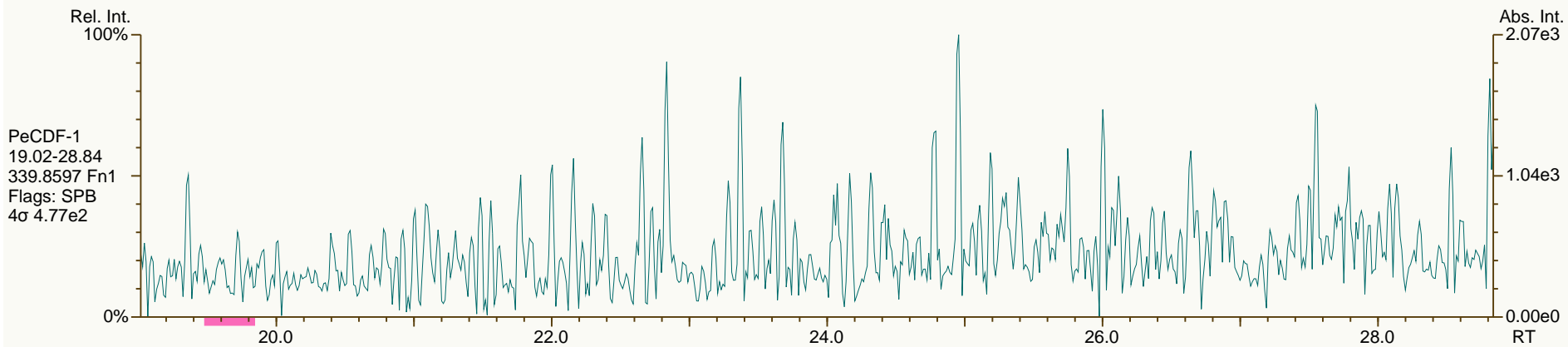


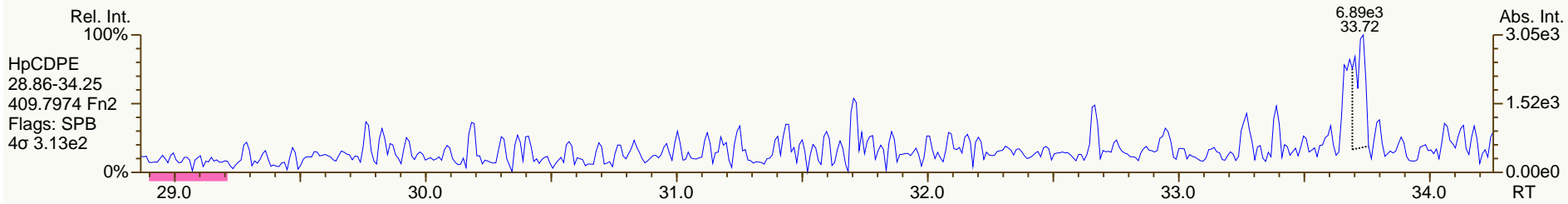
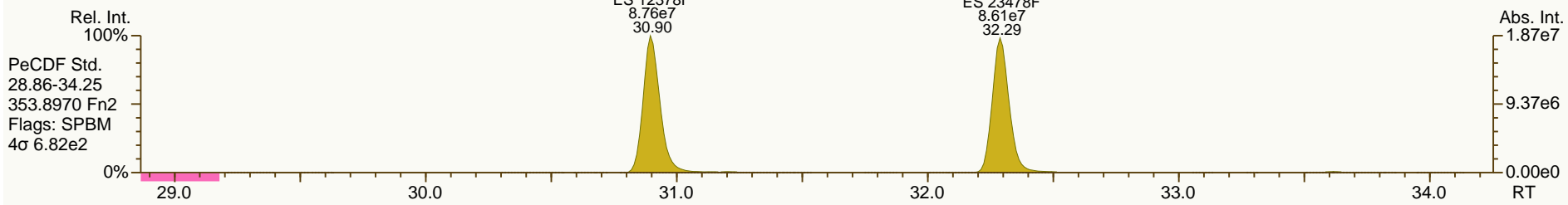
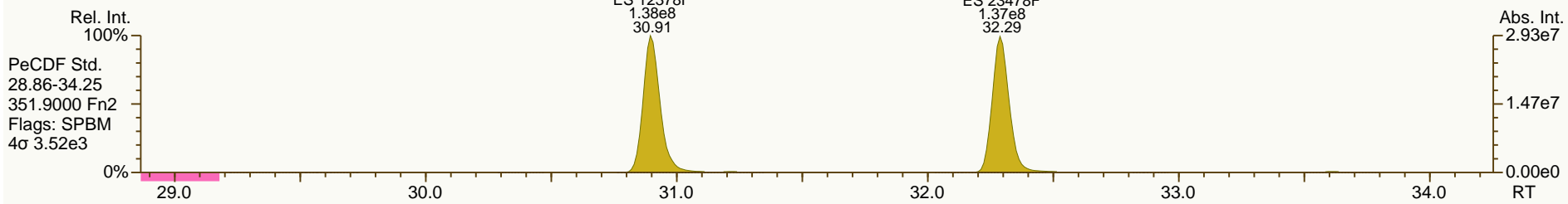
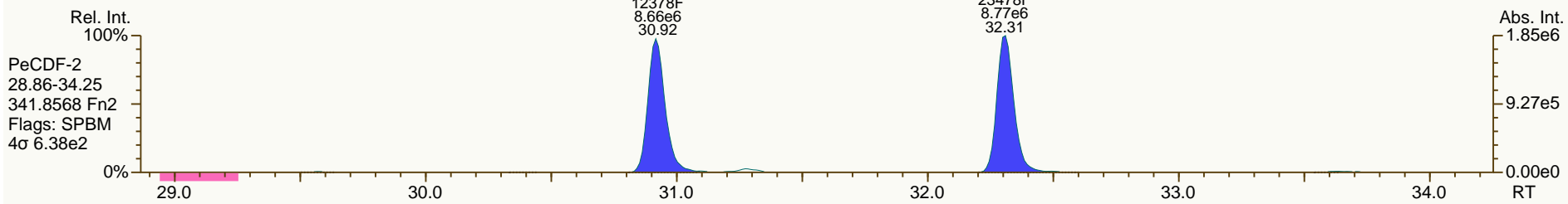
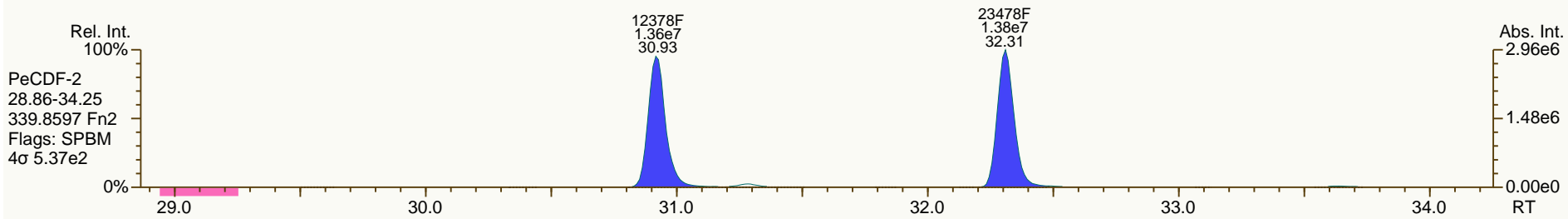
SGS-AP ID: 1613_CS2
Instr: AutoSpec-Ultima MM1

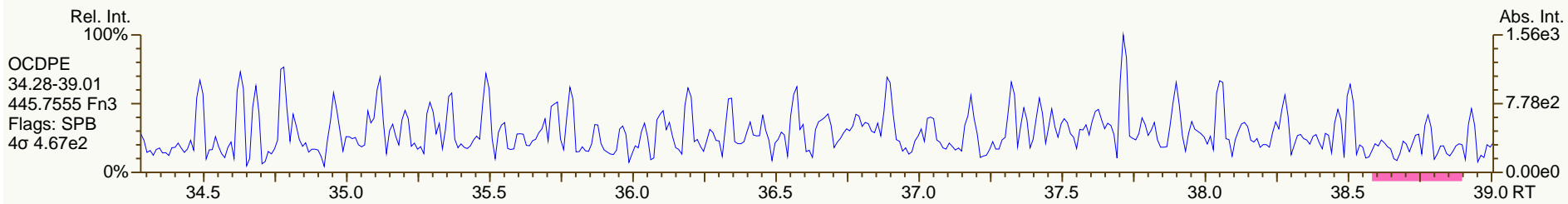
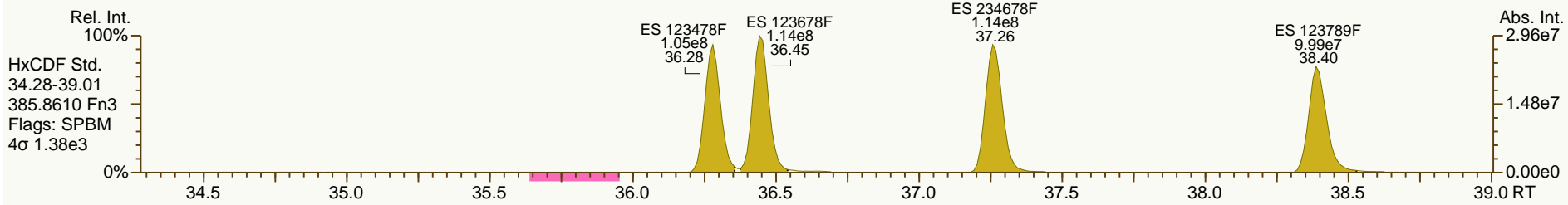
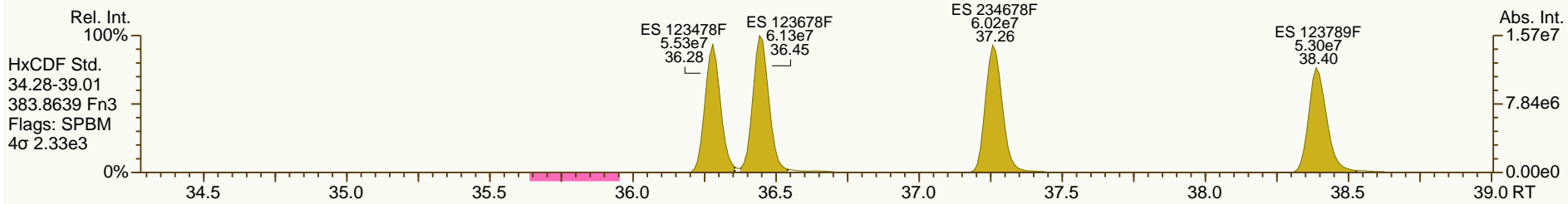
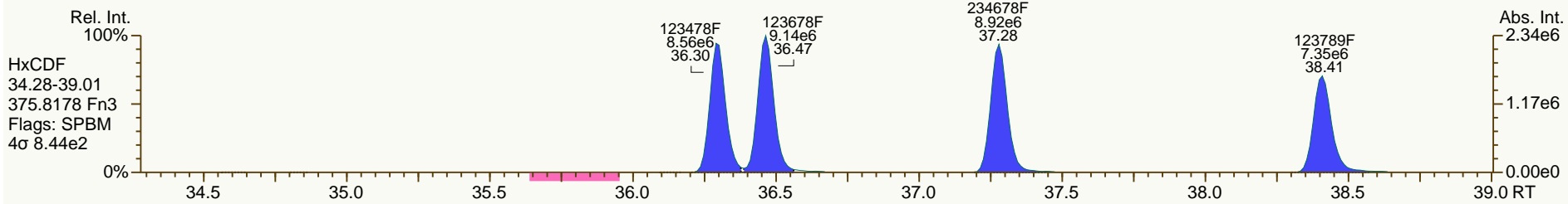
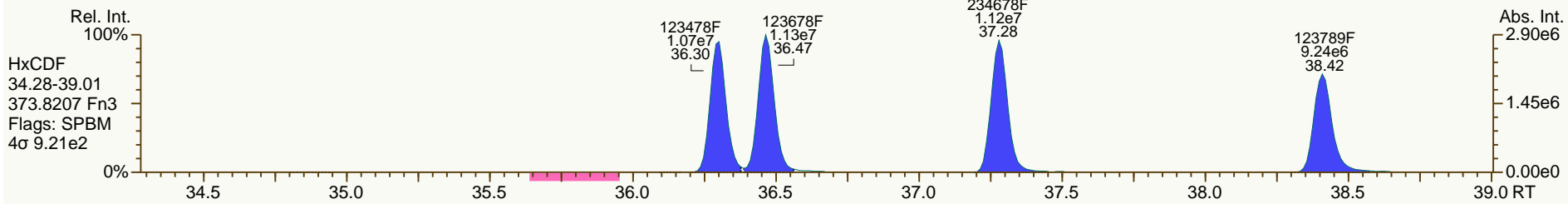
Sample ID: 1613_CS2
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 33

Acq: 01-AUG-2012 12:07:35
User: MDC Datafile: 120801P2-03







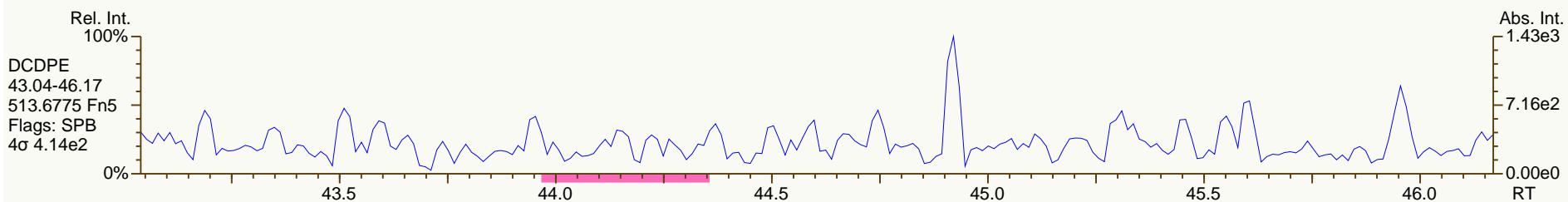
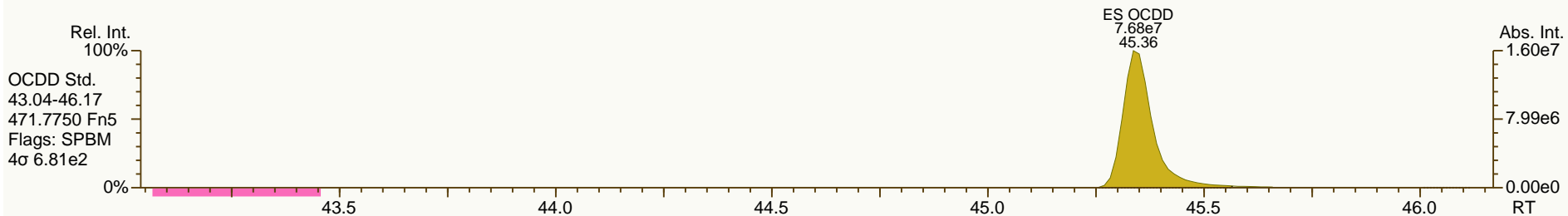
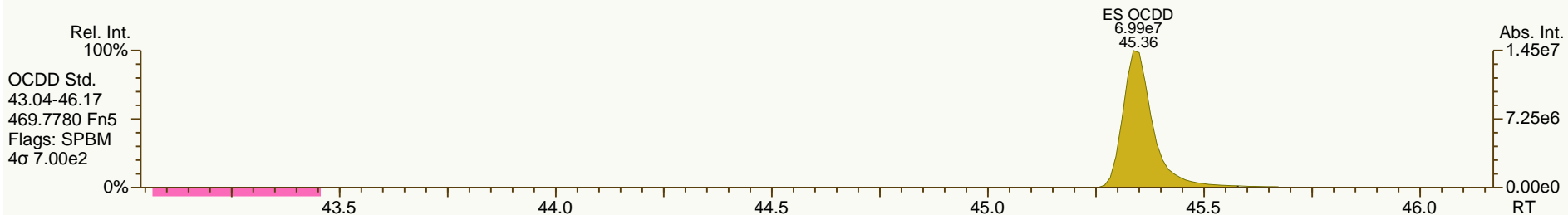
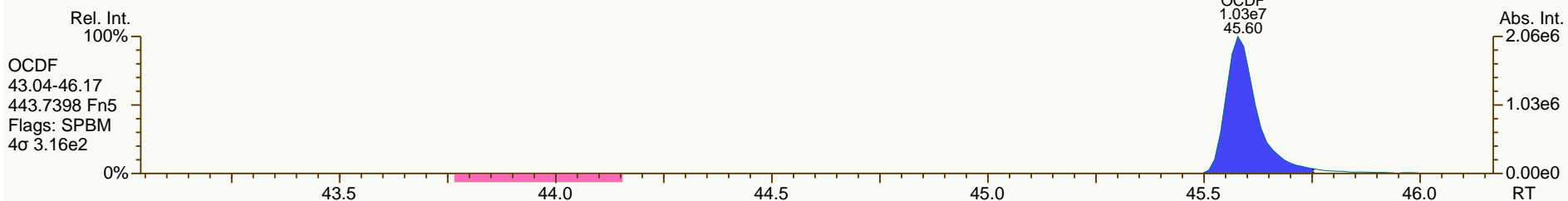
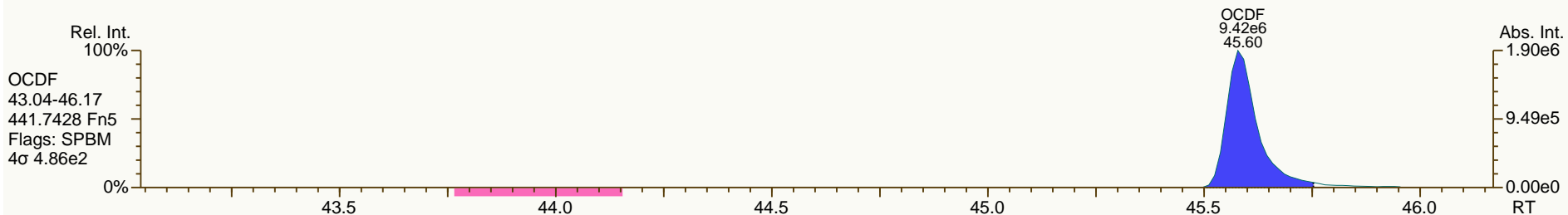


SGS-AP ID: 1613_CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 1613_CS2
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 33

Acq: 01-AUG-2012 12:07:35
User: MDC Datafile: 120801P2-03

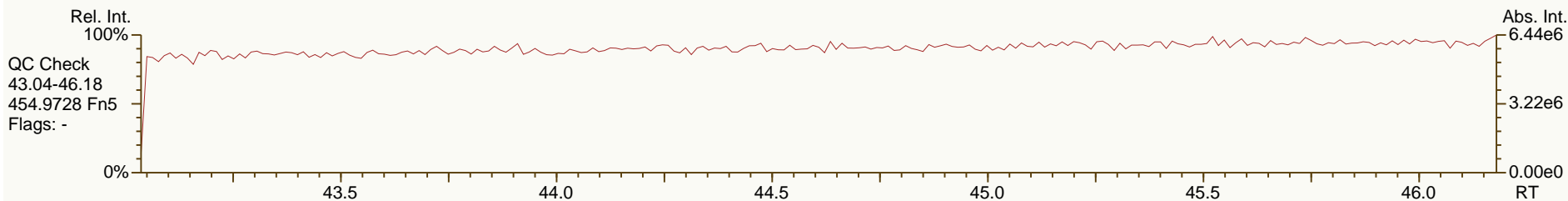
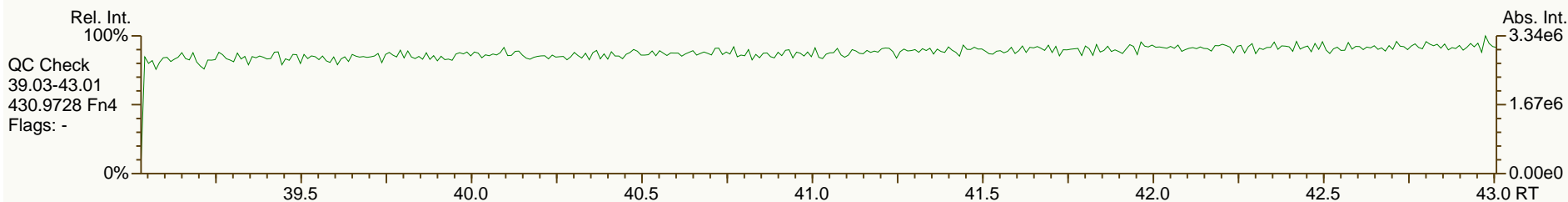
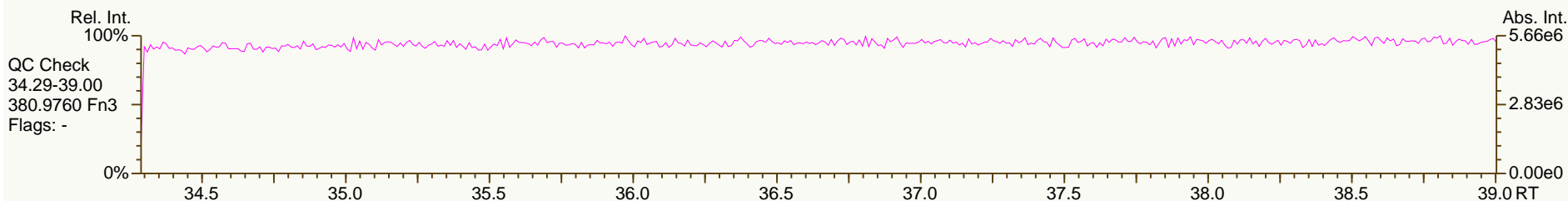
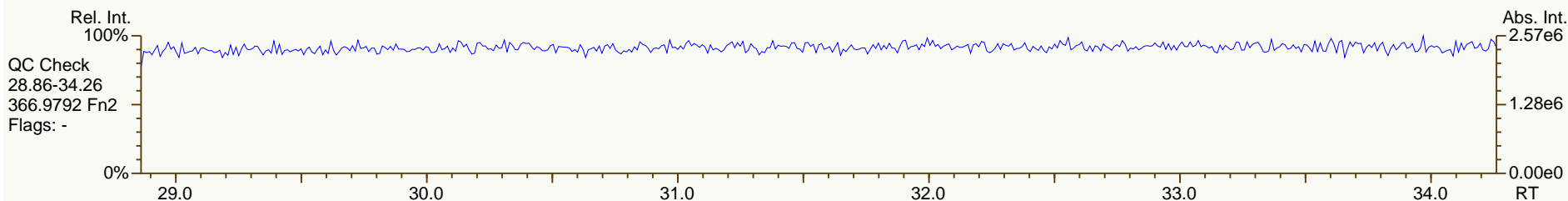
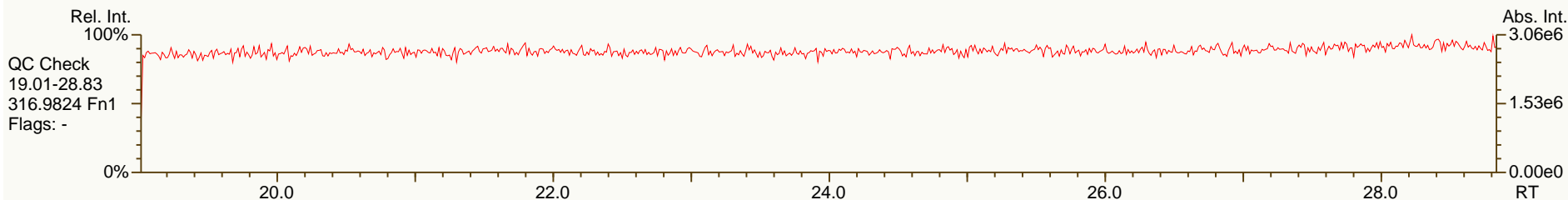


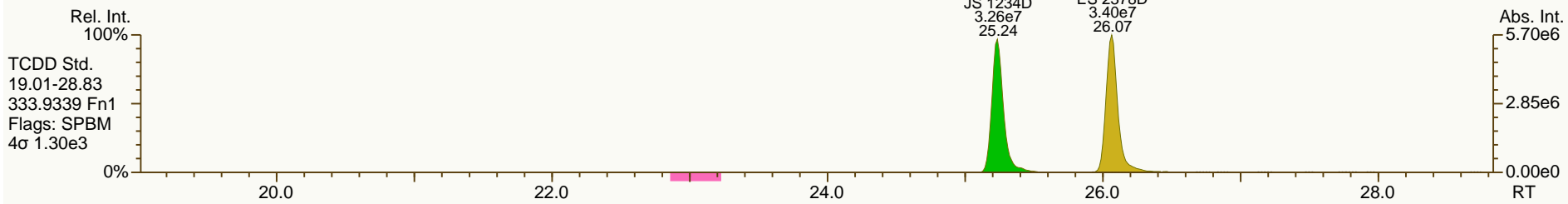
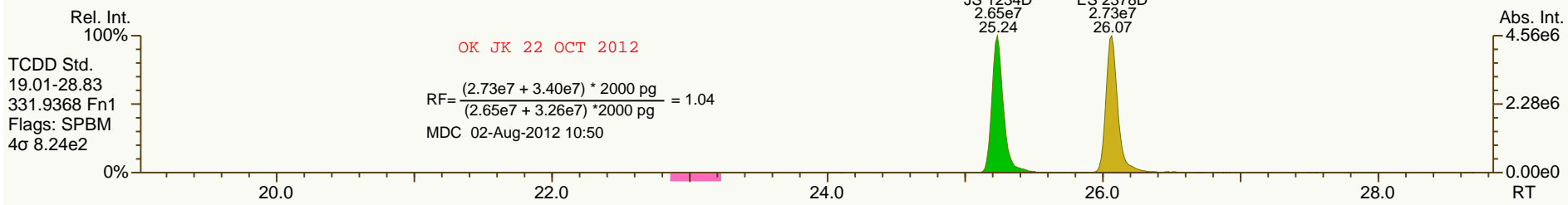
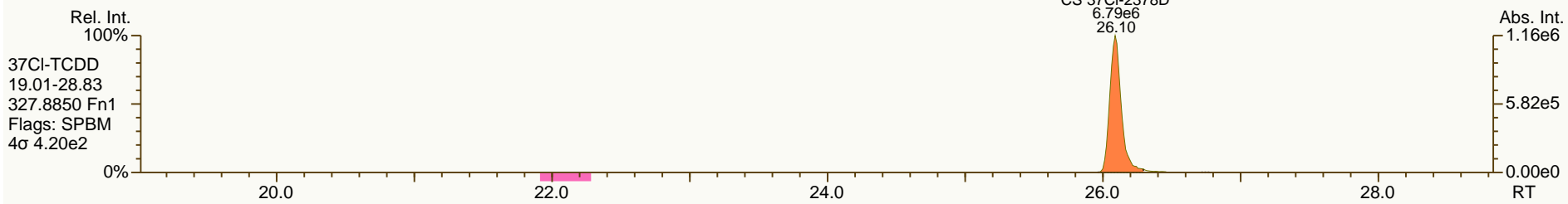
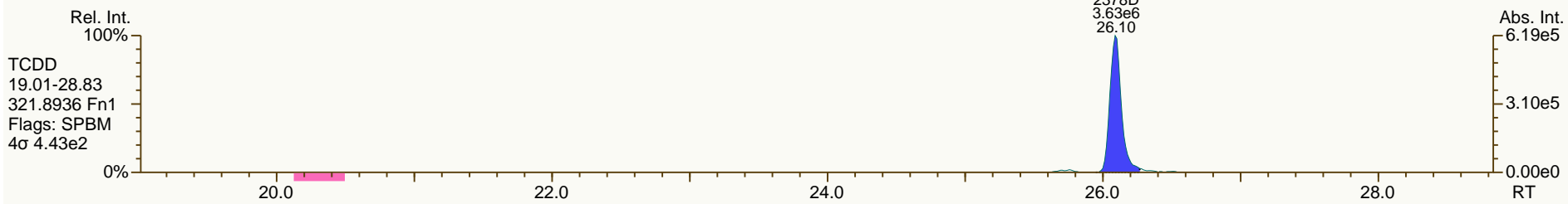
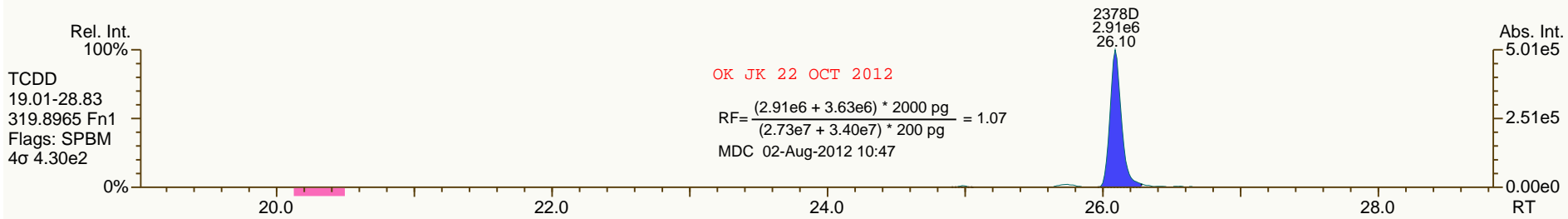


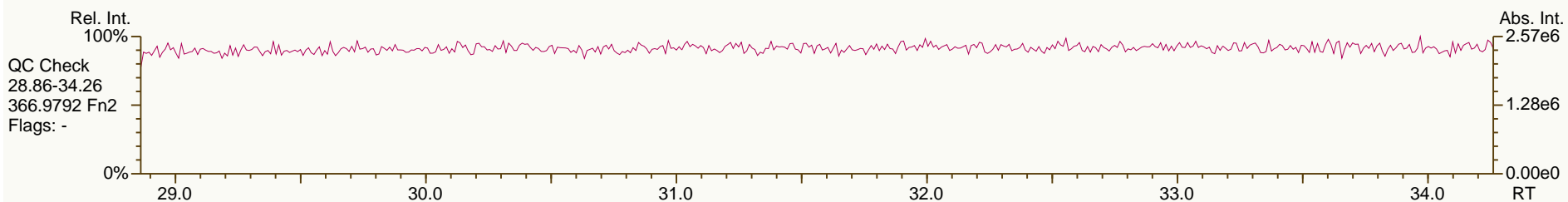
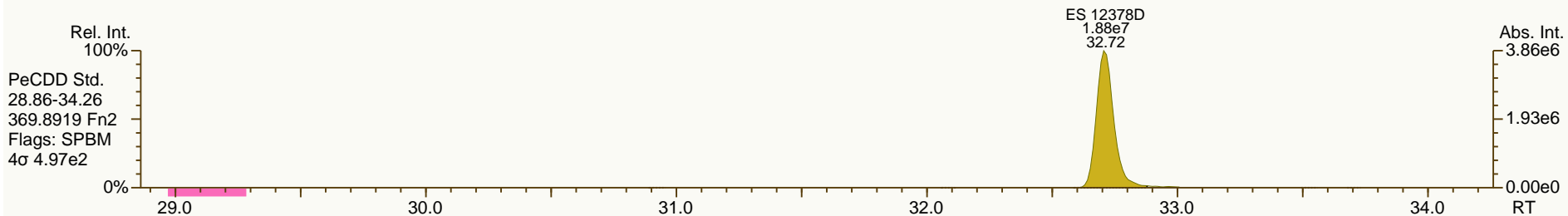
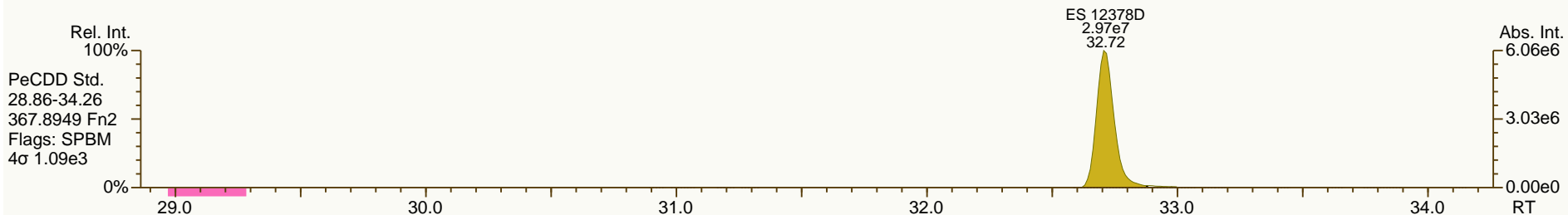
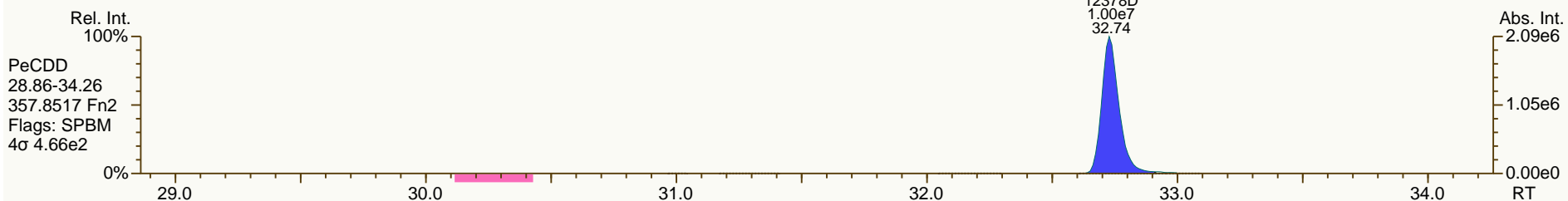
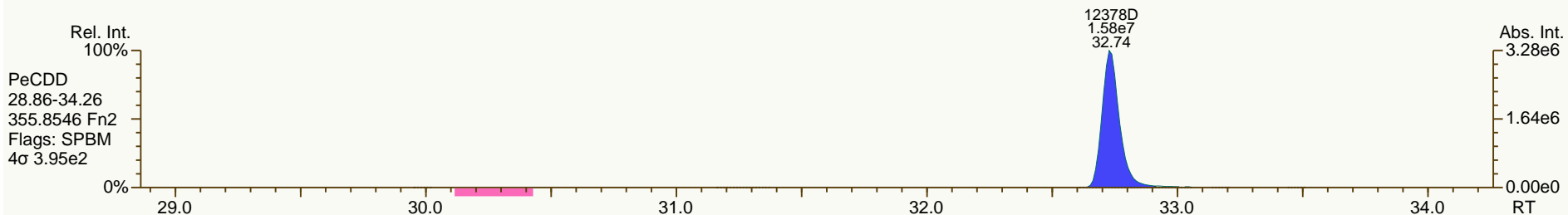
Dioxin/Furan QC Summary		Acq'd: 01 Aug 2012 12:57 MDC			ICAL: 1613_SGS		
Lab ID: 1613_CS3		UTP: 01-Aug-2012 13:57 MDC			Checkcode: 279-058-LGJ		
Sample ID: 1613_CS3		Report: 16 Oct 2012 09:39 MC			Datafile: 120801P2-04		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.10	6.54E+06	0.80	Y	1.08	1.07	-2%
12378-PeCDD	32.74	2.58E+07	1.58	Y	1.07	1.07	-1%
123478-HxCDD	37.50	2.36E+07	1.26	Y	1.05	1.05	0%
123678-HxCDD	37.64	2.52E+07	1.24	Y	0.98	0.97	-1%
123789-HxCDD	37.99	2.40E+07	1.27	Y	1.01	0.99	-2%
1234678-HpCDD	41.82	1.97E+07	1.05	Y	1.09	1.08	-1%
OCDD	45.37	3.11E+07	0.90	Y	1.11	1.08	-3%
2378-TCDF	25.03	9.73E+06	0.81	Y	0.98	1.00	2%
12378-PeCDF	30.92	4.15E+07	1.59	Y	0.99	1.00	1%
23478-PeCDF	32.31	4.28E+07	1.58	Y	1.02	1.03	1%
123478-HxCDF	36.30	3.60E+07	1.25	Y	1.19	1.19	0%
123678-HxCDF	36.46	3.89E+07	1.26	Y	1.16	1.14	-1%
234678-HxCDF	37.28	3.79E+07	1.25	Y	1.18	1.25	6%
123789-HxCDF	38.42	3.02E+07	1.28	Y	1.09	1.08	-1%
1234678-HpCDF	40.39	3.37E+07	1.04	Y	1.35	1.37	2%
1234789-HpCDF	42.40	2.50E+07	1.04	Y	1.34	1.34	1%
OCDF	45.60	3.92E+07	0.89	Y	1.40	1.36	-3%
ES 2378-TCDD	26.07	6.13E+07	0.80	Y	1.04	1.04	0%
ES 12378-PeCDD	32.72	4.85E+07	1.58	Y	0.87	0.82	-5%
ES 123478-HxCDD	37.48	4.48E+07	1.30	Y	0.94	0.95	1%
ES 123678-HxCDD	37.62	5.18E+07	1.26	Y	1.06	1.10	3%
ES 1234678-HpCDD	41.81	3.67E+07	1.04	Y	0.80	0.77	-3%
ES OCDD	45.36	5.79E+07	0.91	Y	0.63	0.61	-3%
ES 2378-TCDF	25.00	9.75E+07	0.79	Y	1.74	1.65	-5%
ES 12378-PeCDF	30.90	8.32E+07	1.61	Y	1.49	1.41	-6%
ES 23478-PeCDF	32.29	8.30E+07	1.58	Y	1.48	1.41	-5%
ES 123478-HxCDF	36.28	6.08E+07	0.52	Y	1.27	1.28	1%
ES 123678-HxCDF	36.45	6.79E+07	0.53	Y	1.41	1.43	2%
ES 234678-HxCDF	37.26	6.08E+07	0.53	Y	1.34	1.29	-4%
ES 123789-HxCDF	38.40	5.59E+07	0.53	Y	1.20	1.18	-2%
ES 1234678-HpCDF	40.37	4.92E+07	0.44	Y	1.06	1.04	-2%
ES 1234789-HpCDF	42.39	3.72E+07	0.46	Y	0.82	0.79	-4%

Dioxin/Furan QC Summary	Acq'd: 01 Aug 2012 12:57 MDC	ICAL: 1613_SGS
Lab ID: 1613_CS3	UTP: 01-Aug-2012 13:57 MDC	Checkcode: 279-058
Sample ID: 1613_CS3	Report: 16 Oct 2012 09:39 MC	Datafile: 120801P2-04

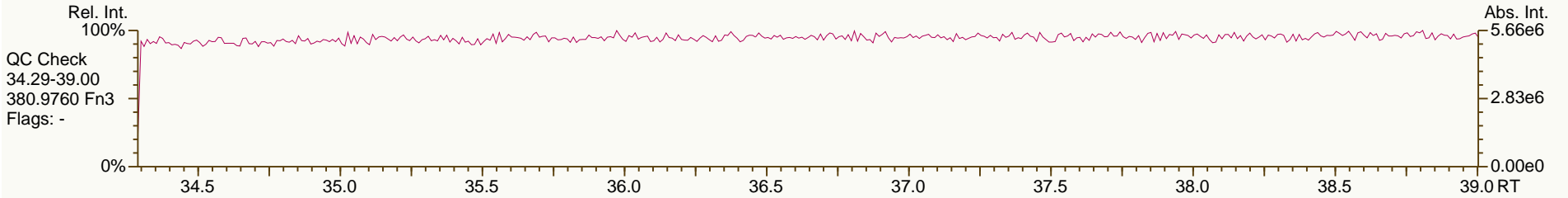
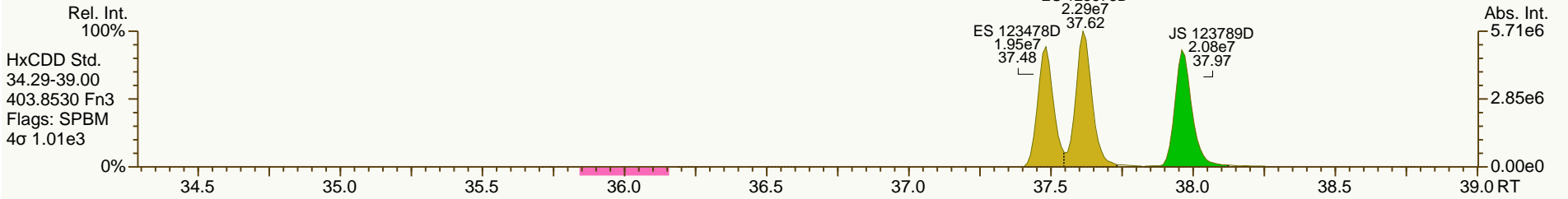
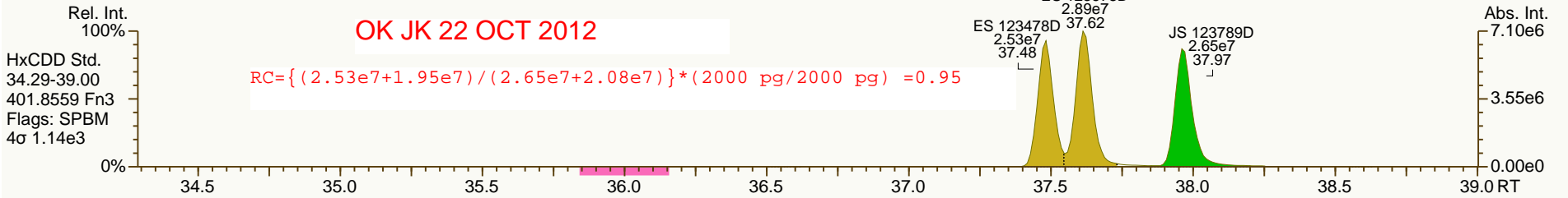
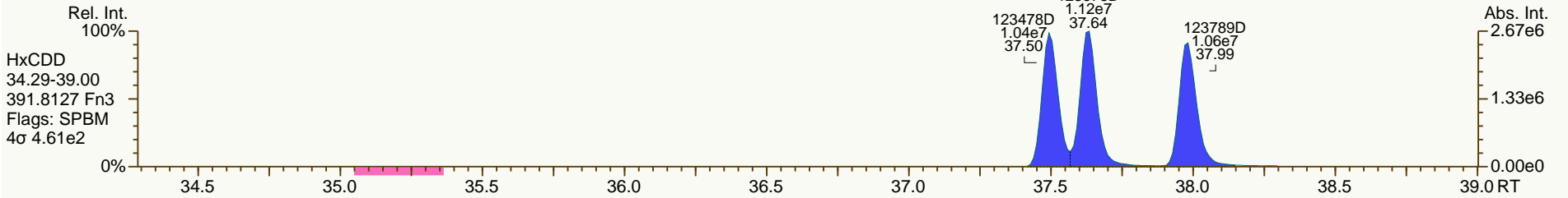
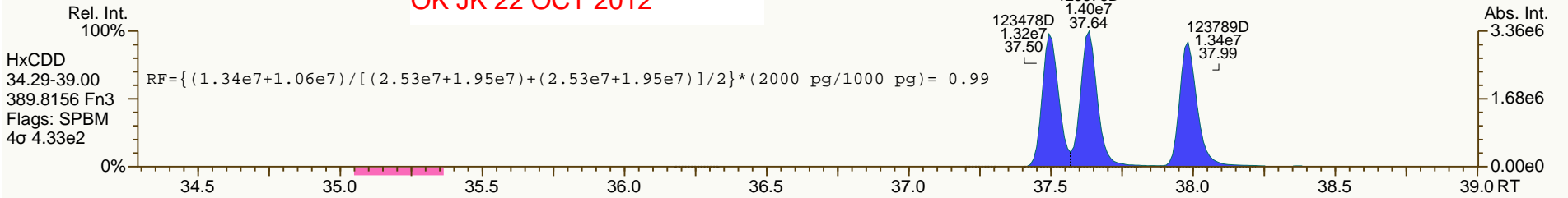
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.24	5.90E+07	0.81	Y	-	-	-
JS 123789-HxCDD	37.97	4.73E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	26.10	6.79E+06	n/a	-	1.17	1.15	-2%
SS 37C1-2378-TCDD	26.10	6.79E+06	n/a	-	1.12	1.11	-2%

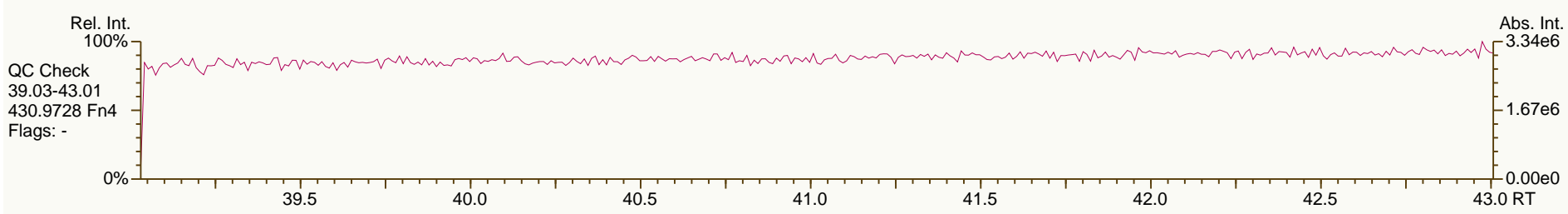
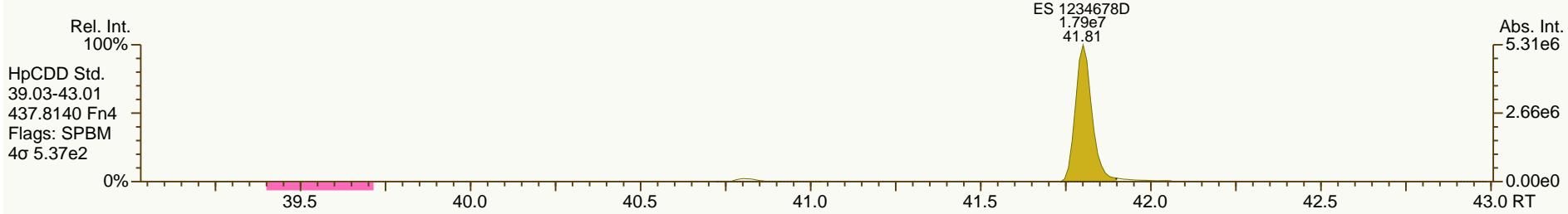
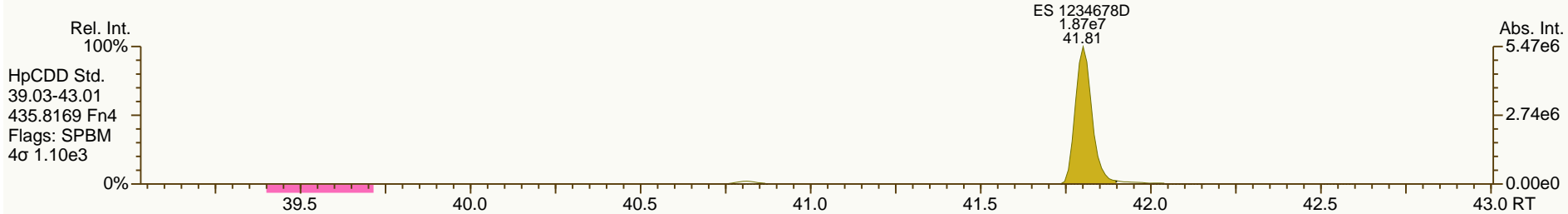
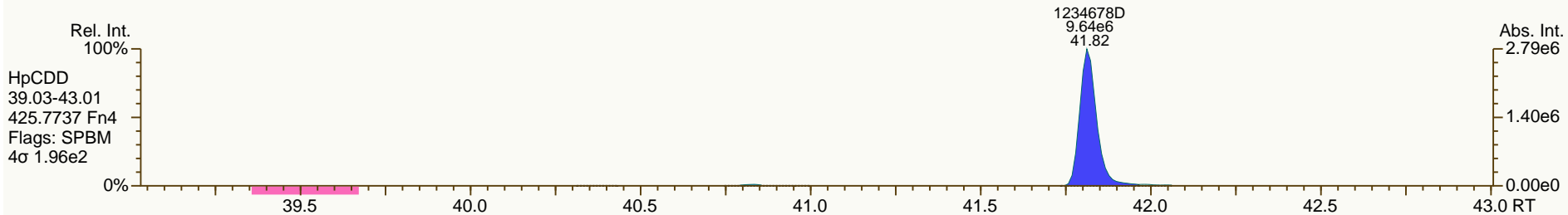
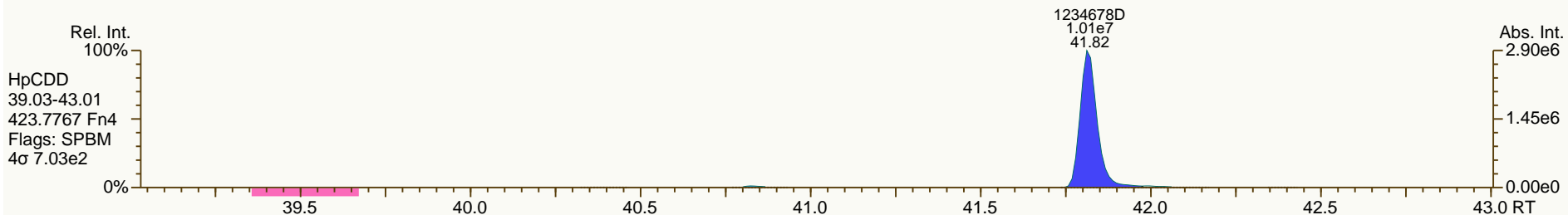


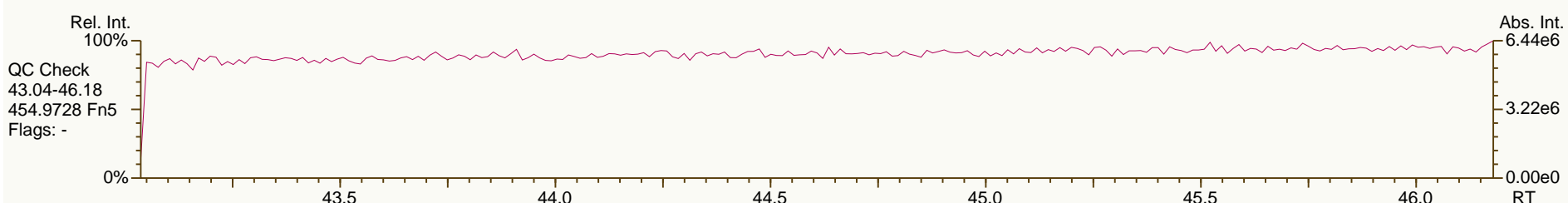
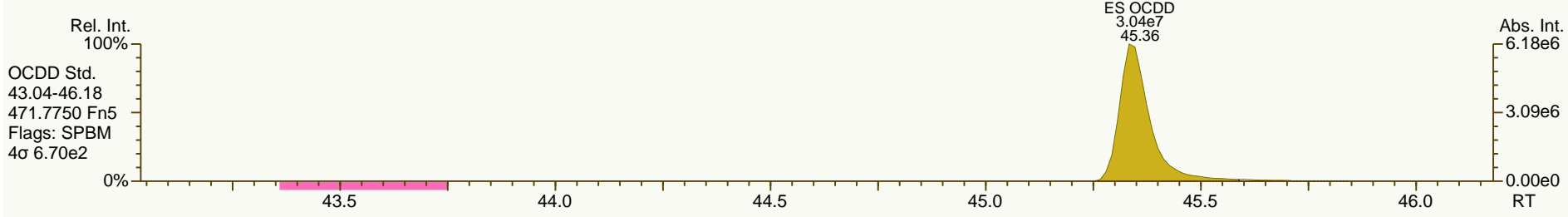
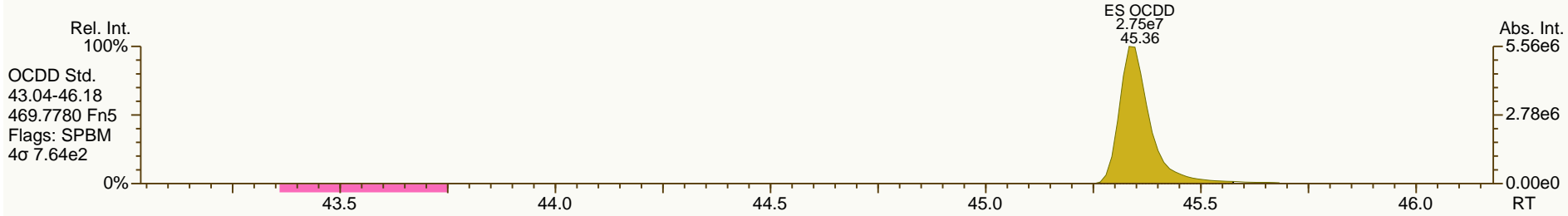
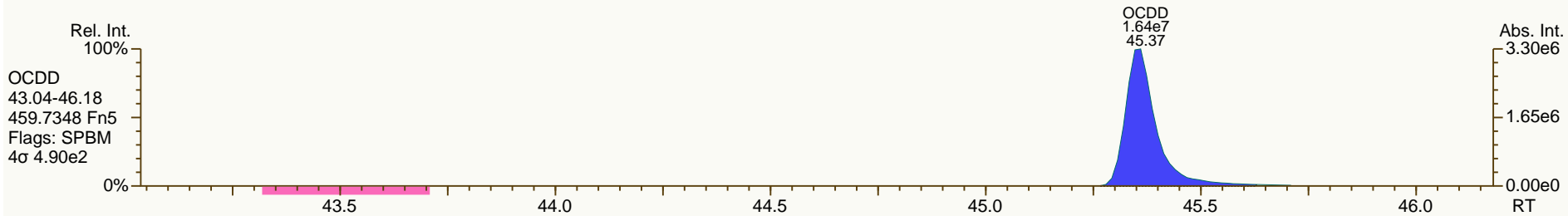
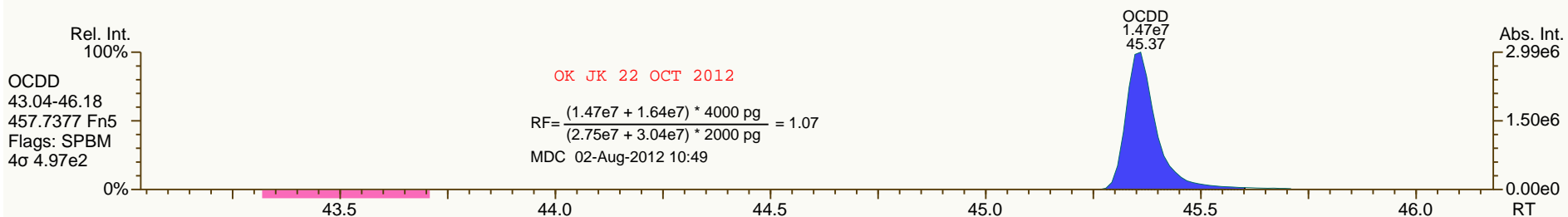


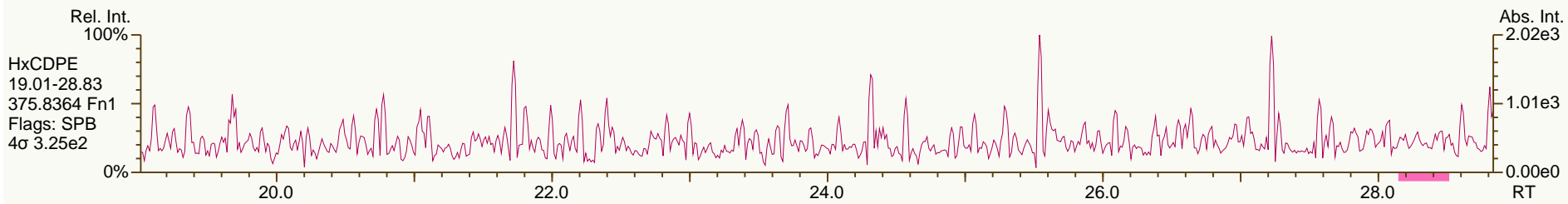
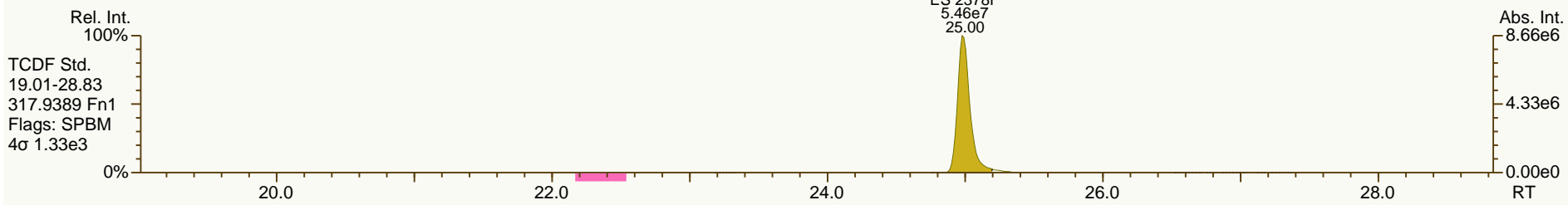
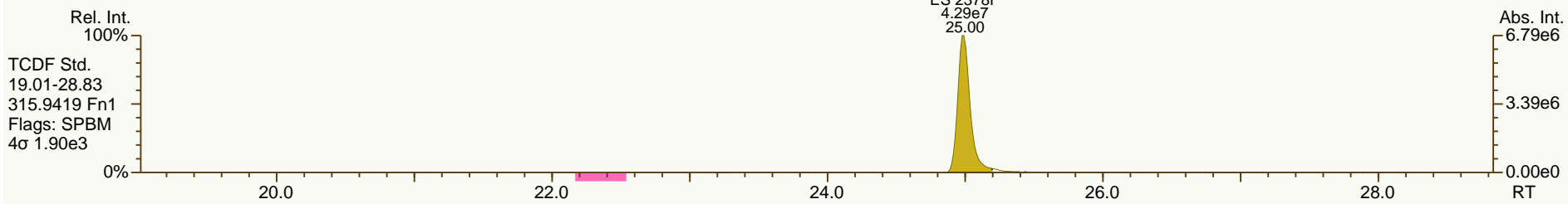
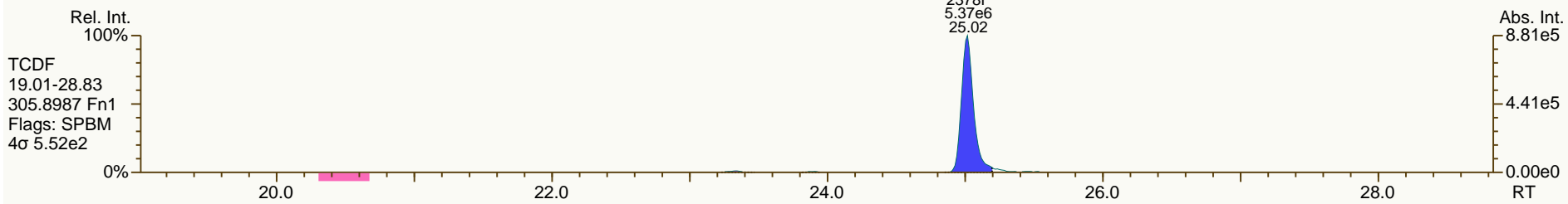
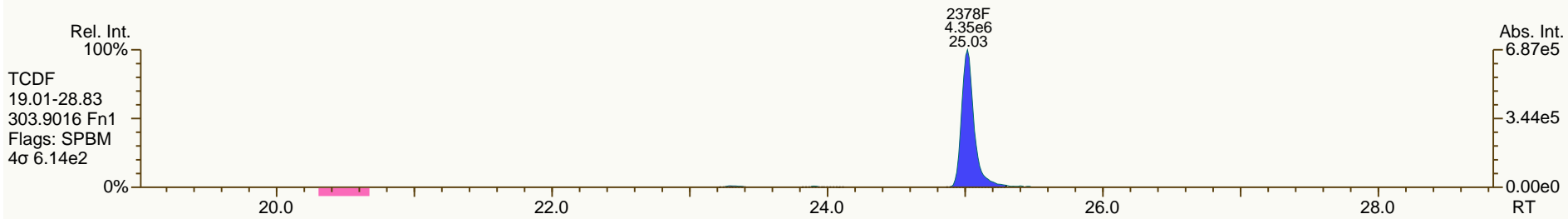


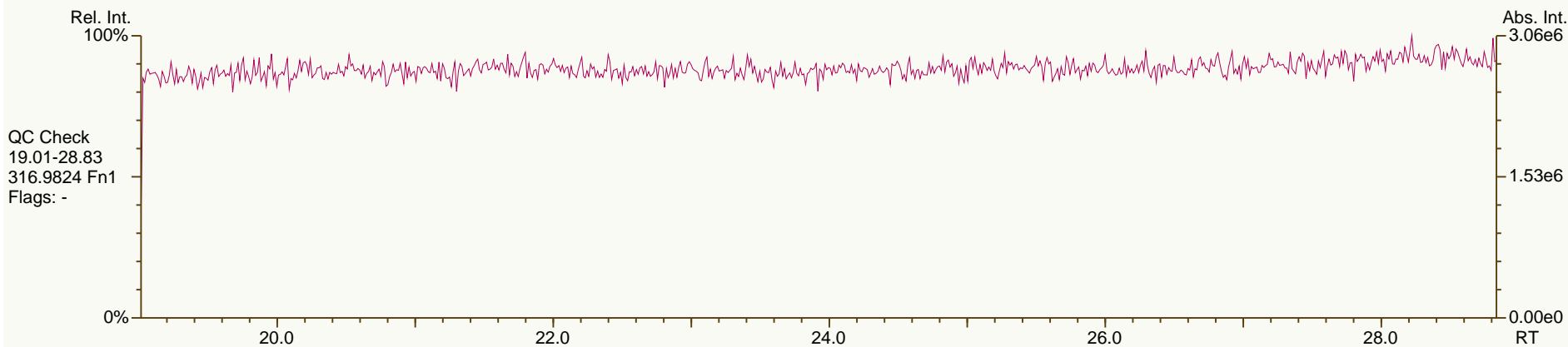
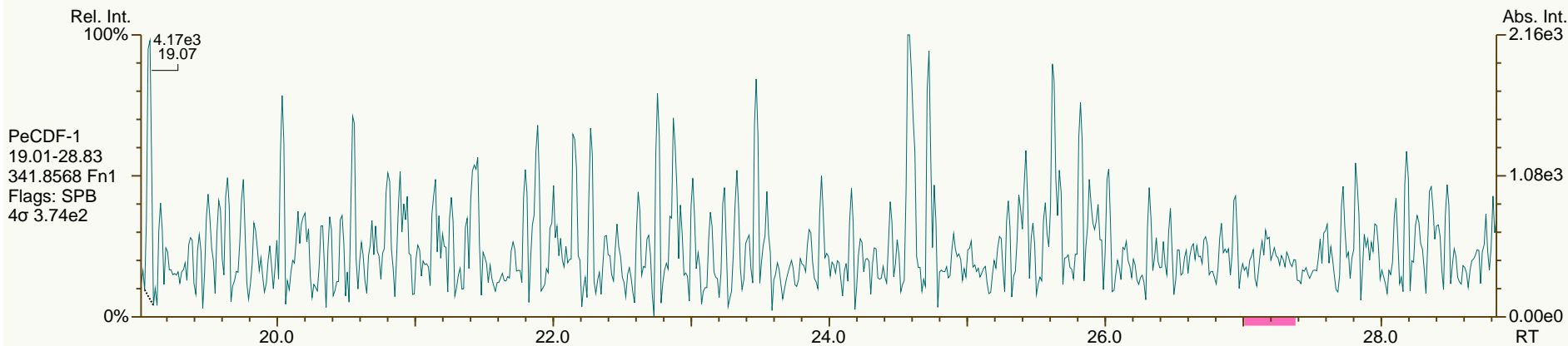
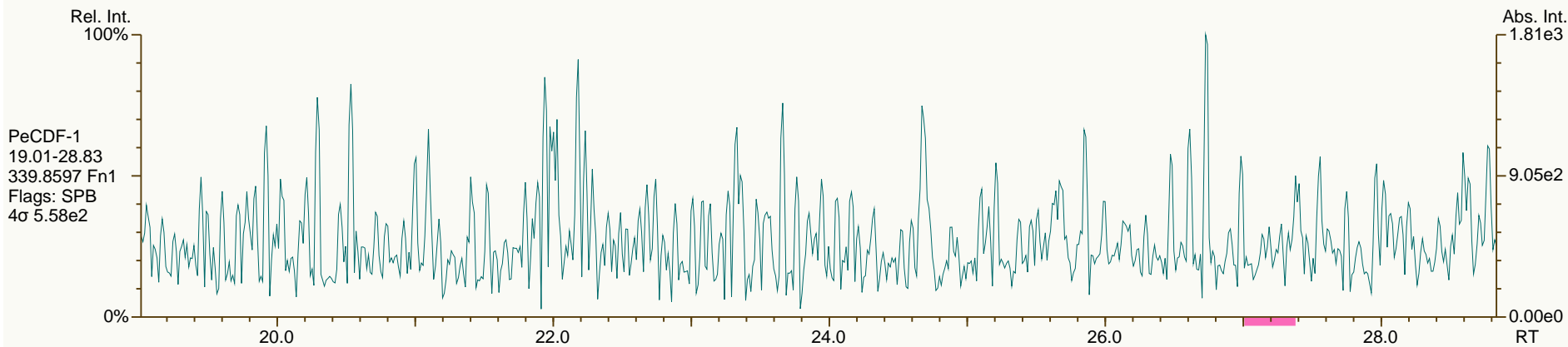
OK JK 22 OCT 2012

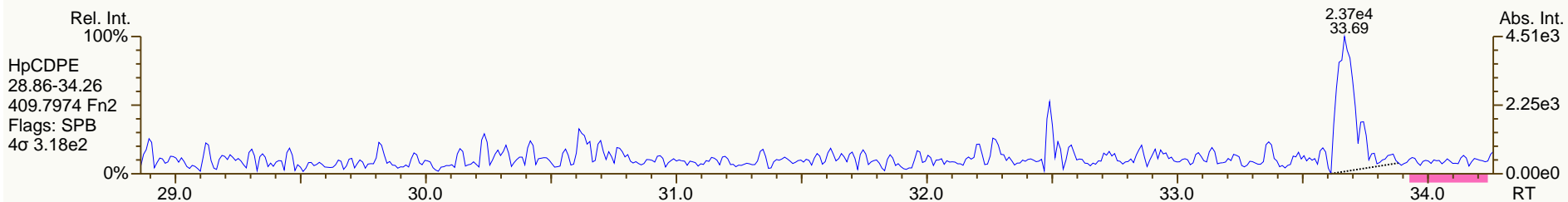
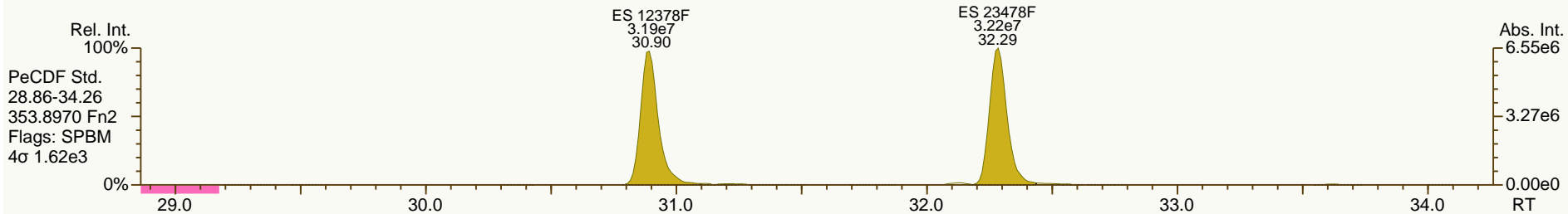
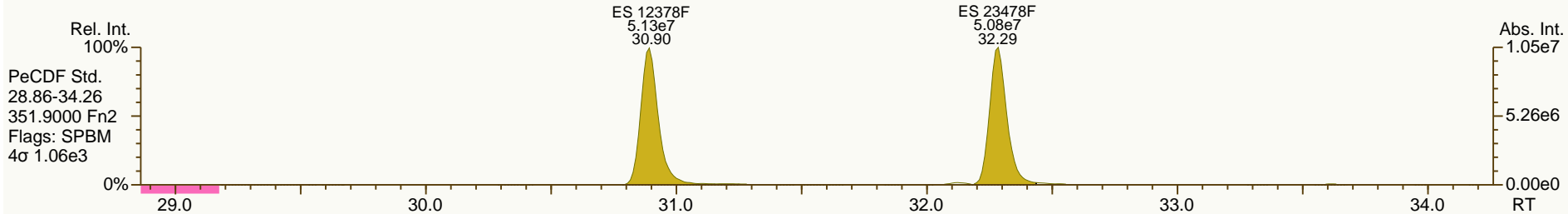
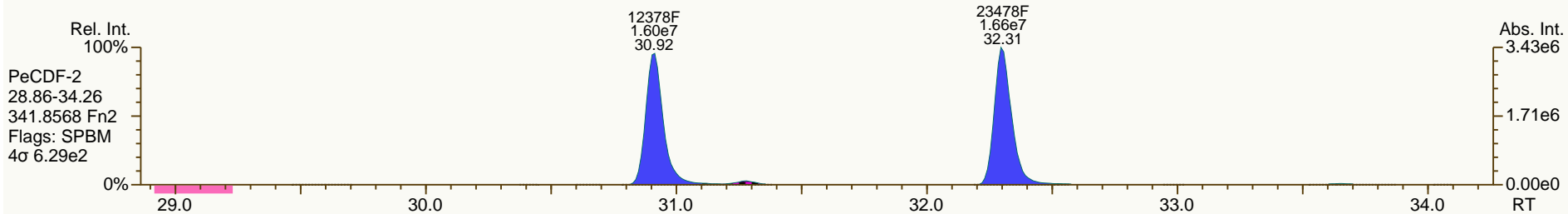
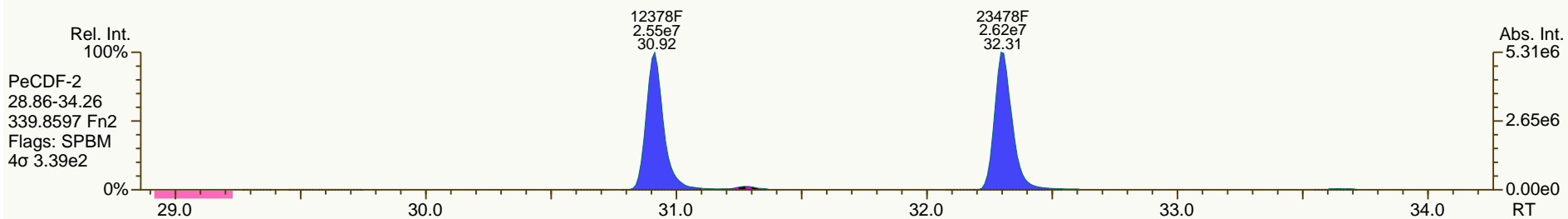


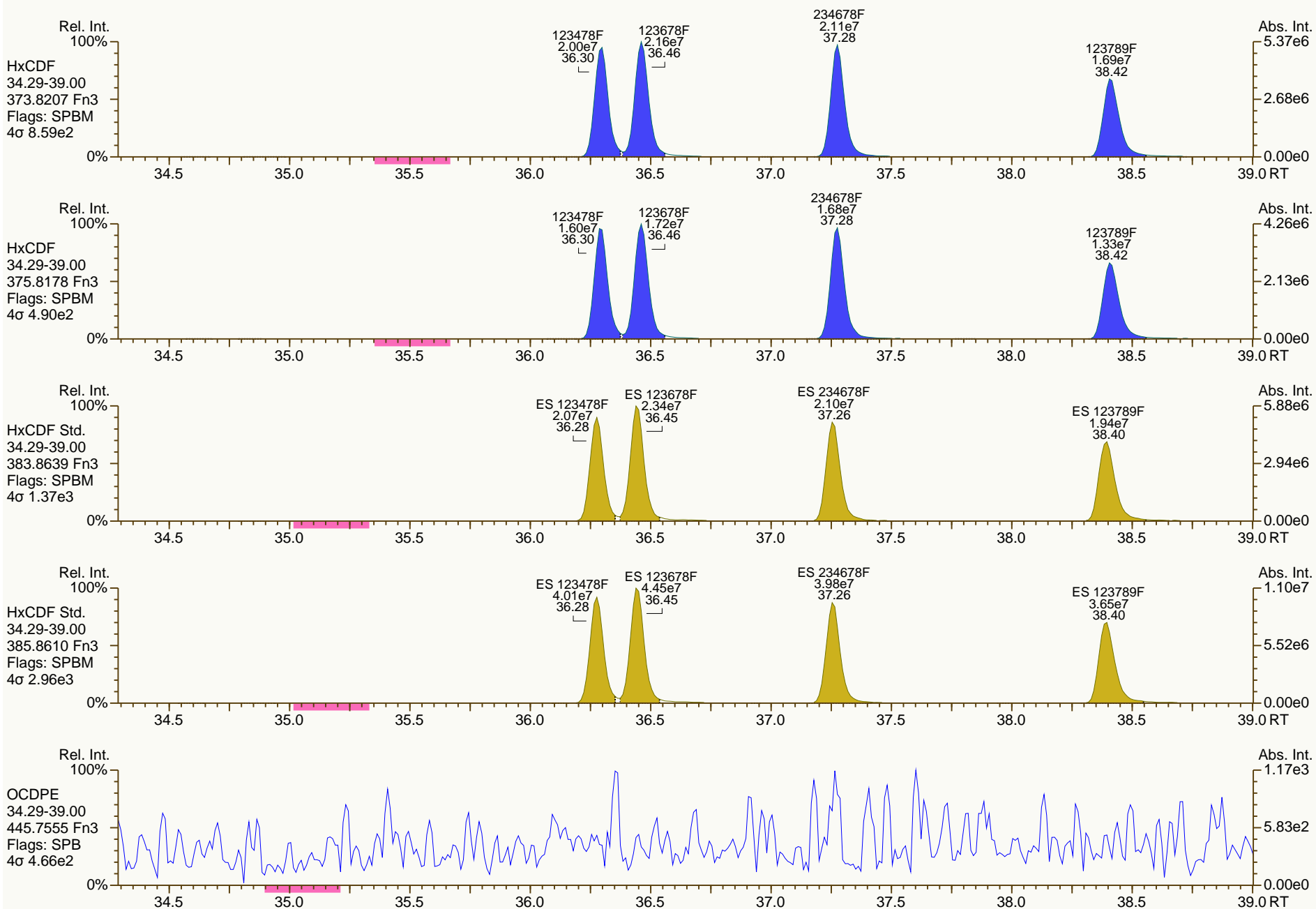




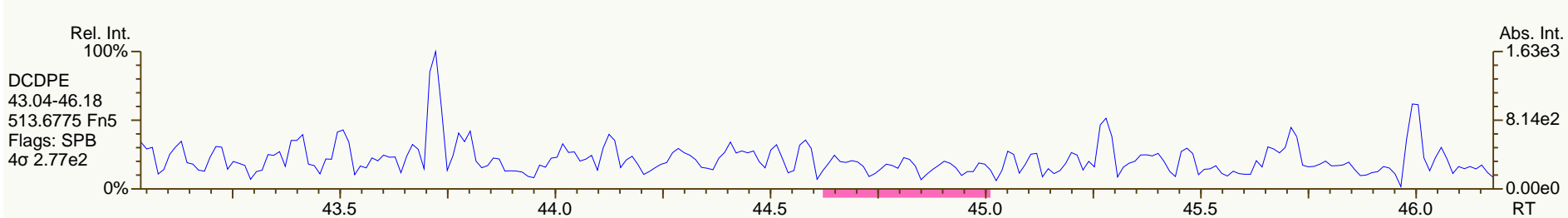
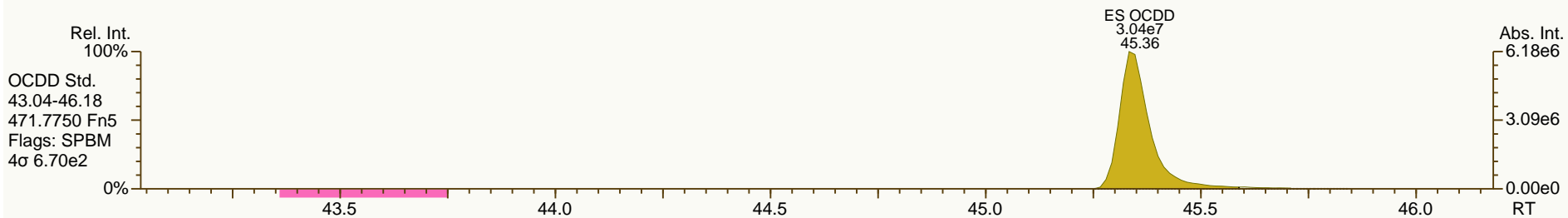
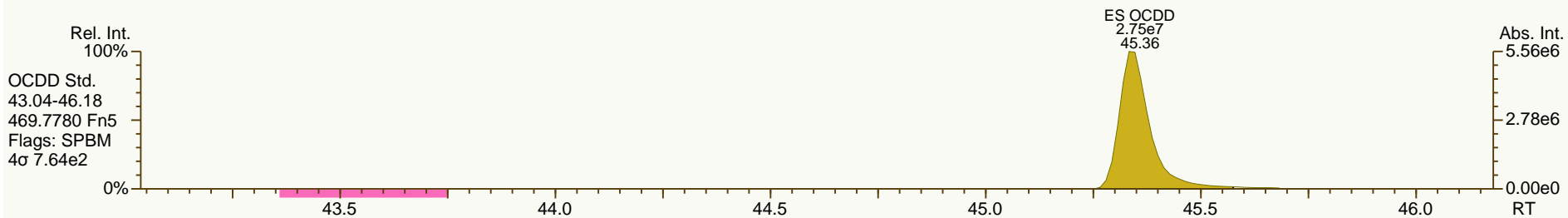
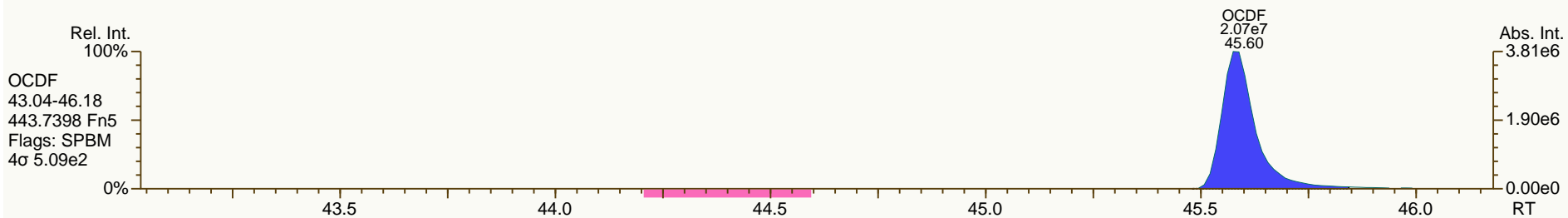
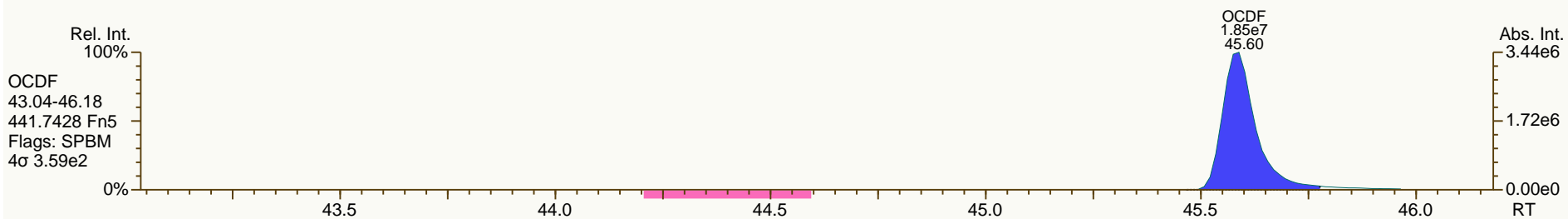








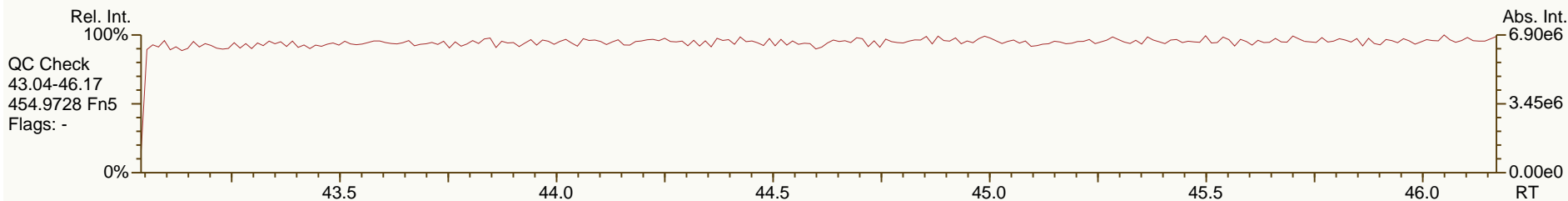
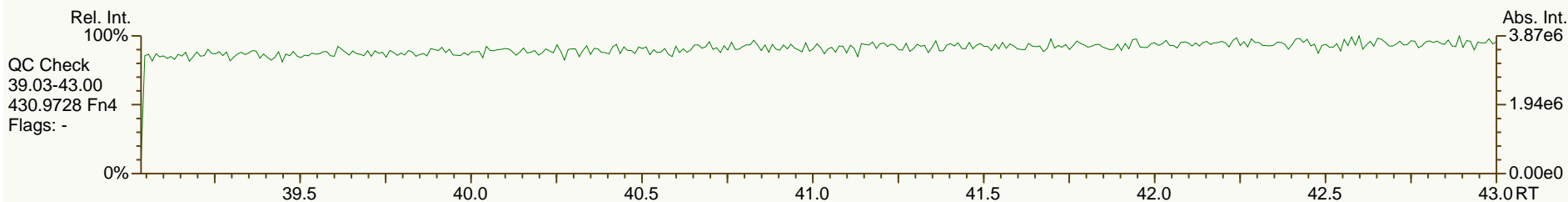
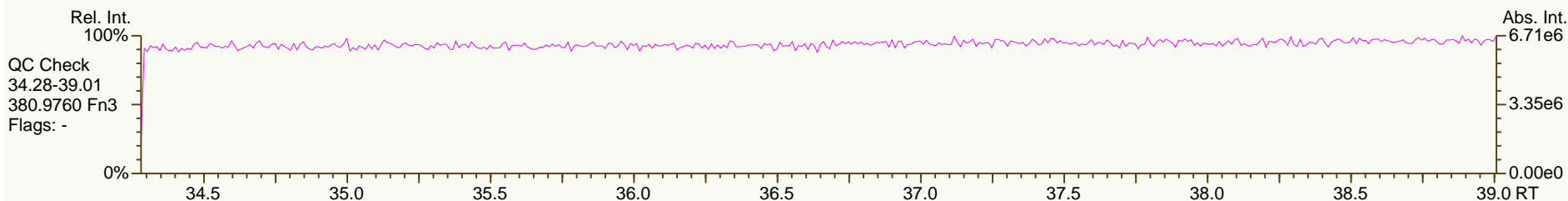
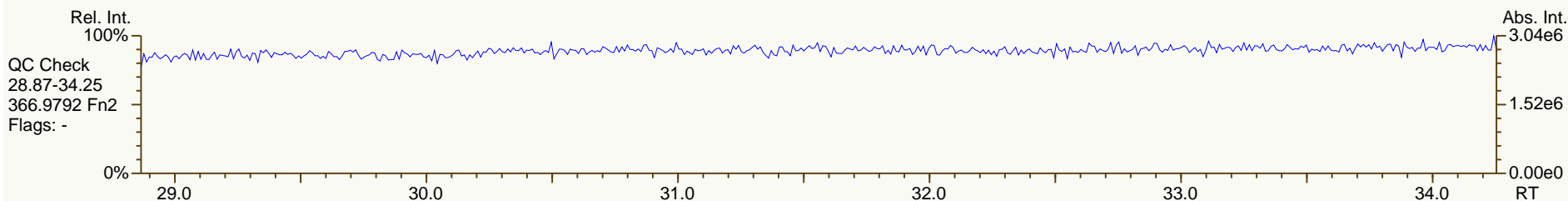
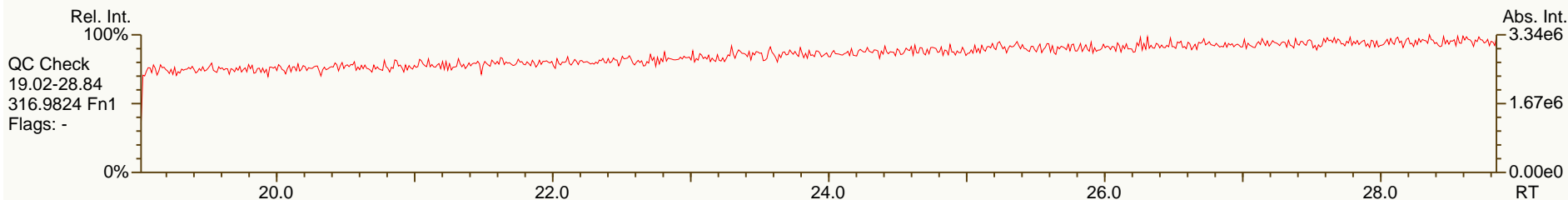


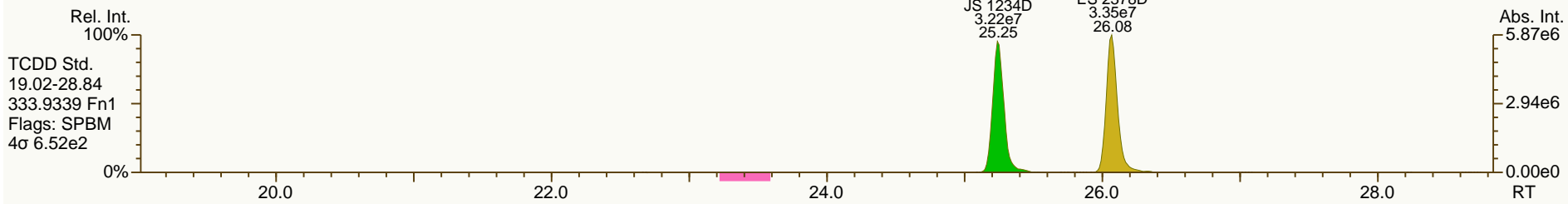
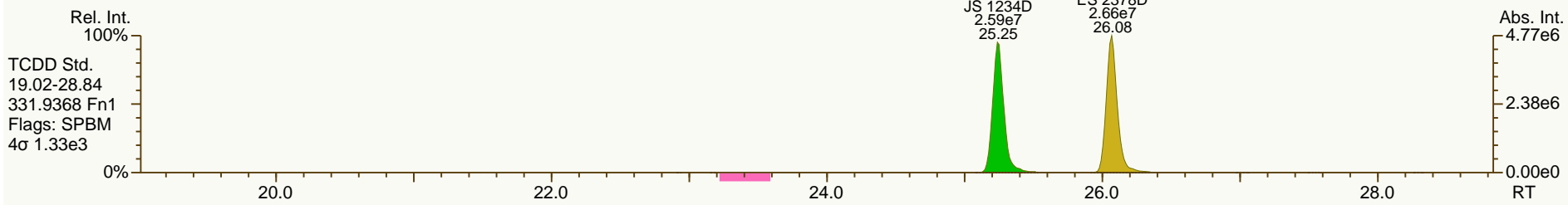
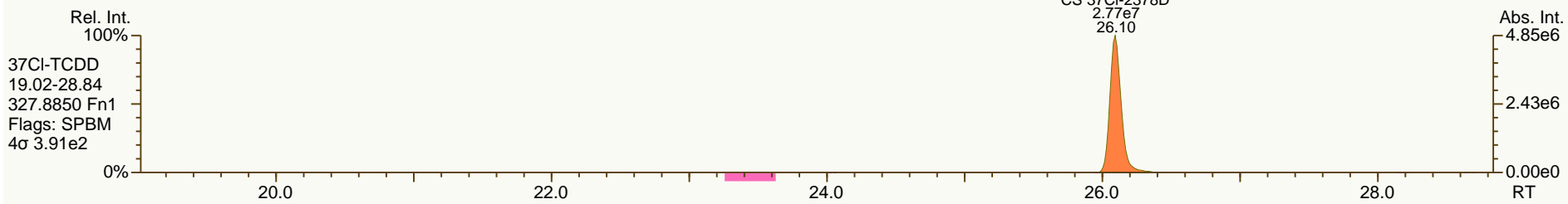
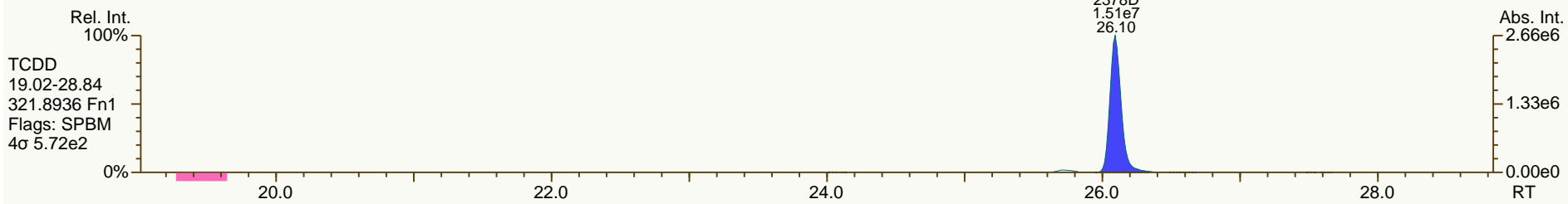
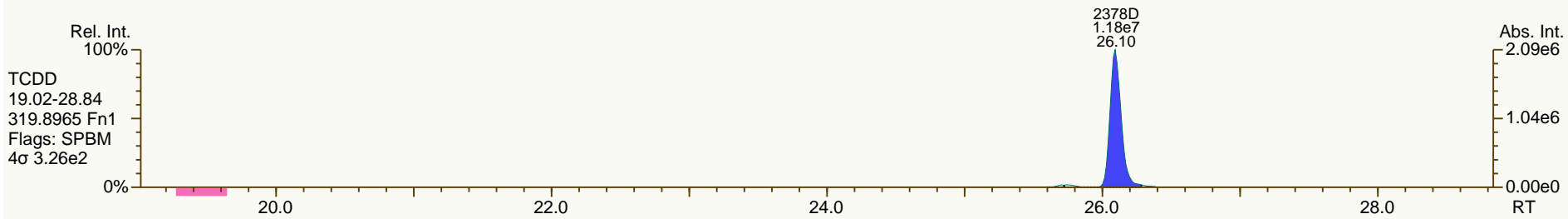


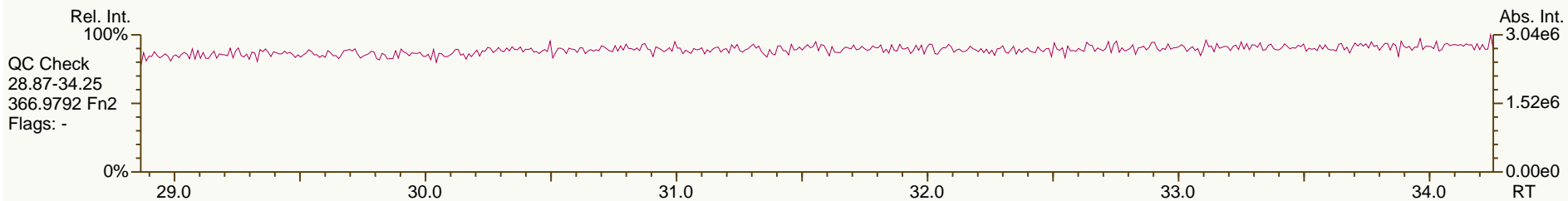
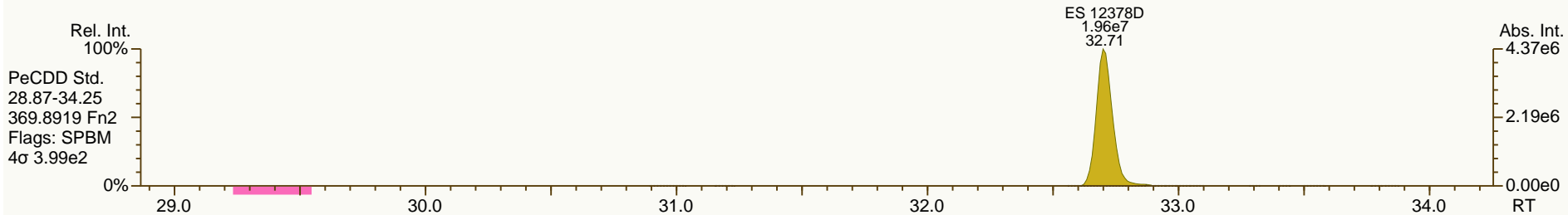
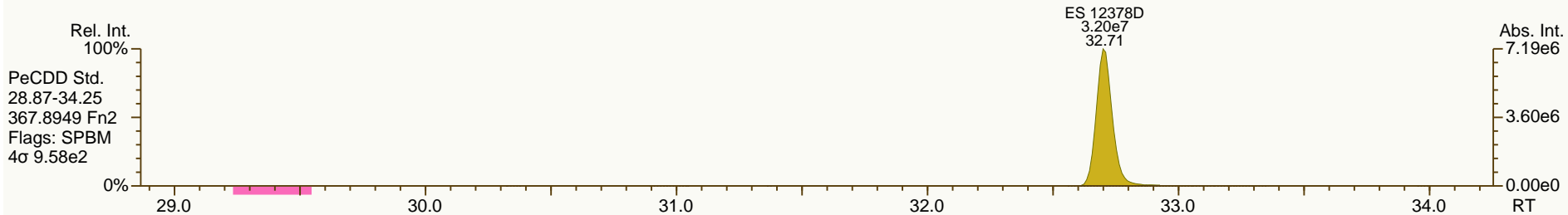
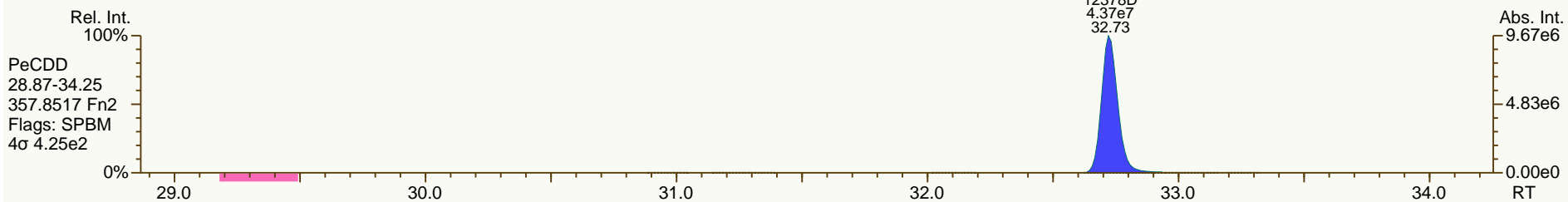
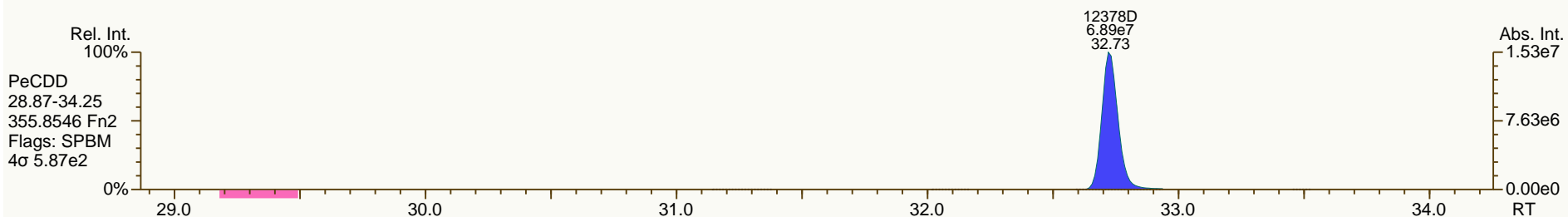
Dioxin/Furan QC Summary		Acq'd: 01 Aug 2012 13:47 MDC			ICAL: 1613_SGS		
Lab ID: 1613_CS4		UTP: 01-Aug-2012 14:45 MDC			Checkcode: 262-366-GHT		
Sample ID: 1613_CS4		Report: 16 Oct 2012 09:39 MC			Datafile: 120801P2-05		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.10	2.69E+07	0.78	Y	1.08	1.12	3%
12378-PeCDD	32.73	1.13E+08	1.58	Y	1.07	1.09	1%
123478-HxCDD	37.49	1.05E+08	1.26	Y	1.05	1.07	2%
123678-HxCDD	37.63	1.09E+08	1.26	Y	0.98	0.99	0%
123789-HxCDD	37.98	1.06E+08	1.25	Y	1.01	1.01	0%
1234678-HpCDD	41.81	9.24E+07	1.06	Y	1.09	1.11	2%
OCDD	45.35	1.54E+08	0.91	Y	1.11	1.13	2%
2378-TCDF	25.03	3.92E+07	0.78	Y	0.98	0.97	-1%
12378-PeCDF	30.91	1.78E+08	1.56	Y	0.99	1.00	1%
23478-PeCDF	32.30	1.83E+08	1.58	Y	1.02	1.03	2%
123478-HxCDF	36.29	1.59E+08	1.24	Y	1.19	1.20	1%
123678-HxCDF	36.46	1.71E+08	1.26	Y	1.16	1.17	1%
234678-HxCDF	37.27	1.65E+08	1.25	Y	1.18	1.17	0%
123789-HxCDF	38.41	1.39E+08	1.26	Y	1.09	1.09	0%
1234678-HpCDF	40.38	1.51E+08	1.04	Y	1.35	1.38	2%
1234789-HpCDF	42.38	1.18E+08	1.03	Y	1.34	1.39	4%
OCDF	45.57	2.03E+08	0.91	Y	1.40	1.49	7%
ES 2378-TCDD	26.08	6.02E+07	0.79	Y	1.04	1.04	-1%
ES 12378-PeCDD	32.71	5.17E+07	1.63	Y	0.87	0.89	3%
ES 123478-HxCDD	37.48	4.92E+07	1.29	Y	0.94	0.95	1%
ES 123678-HxCDD	37.61	5.55E+07	1.24	Y	1.06	1.07	1%
ES 1234678-HpCDD	41.80	4.17E+07	1.06	Y	0.80	0.80	0%
ES OCDD	45.33	6.78E+07	0.90	Y	0.63	0.65	3%
ES 2378-TCDF	25.00	1.01E+08	0.77	Y	1.74	1.74	0%
ES 12378-PeCDF	30.89	8.88E+07	1.58	Y	1.49	1.53	2%
ES 23478-PeCDF	32.28	8.86E+07	1.60	Y	1.48	1.52	3%
ES 123478-HxCDF	36.27	6.63E+07	0.52	Y	1.27	1.28	0%
ES 123678-HxCDF	36.44	7.32E+07	0.52	Y	1.41	1.41	0%
ES 234678-HxCDF	37.25	7.01E+07	0.52	Y	1.34	1.35	0%
ES 123789-HxCDF	38.39	6.37E+07	0.53	Y	1.20	1.22	2%
ES 1234678-HpCDF	40.37	5.50E+07	0.45	Y	1.06	1.06	0%
ES 1234789-HpCDF	42.37	4.25E+07	0.45	Y	0.82	0.82	0%

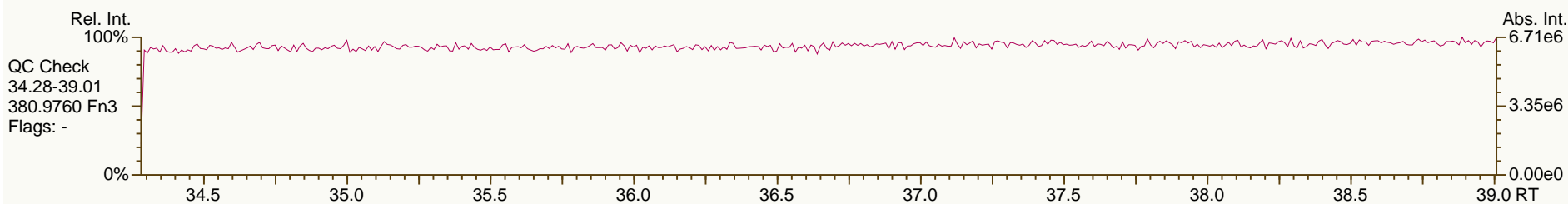
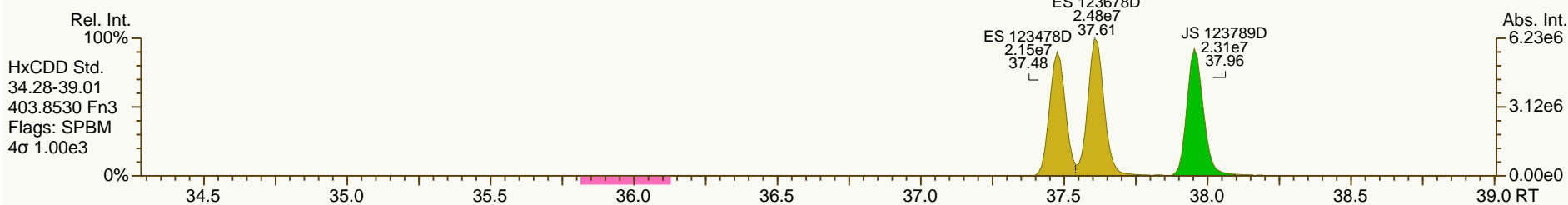
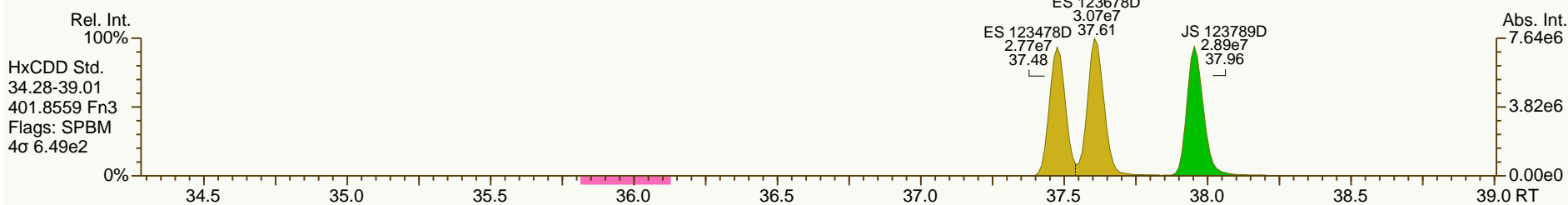
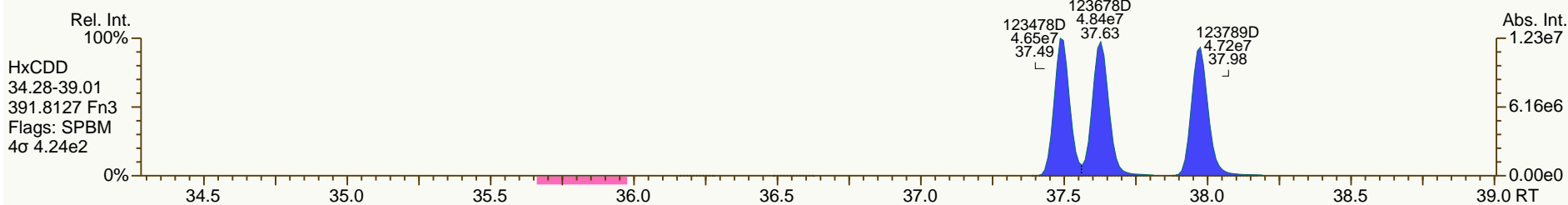
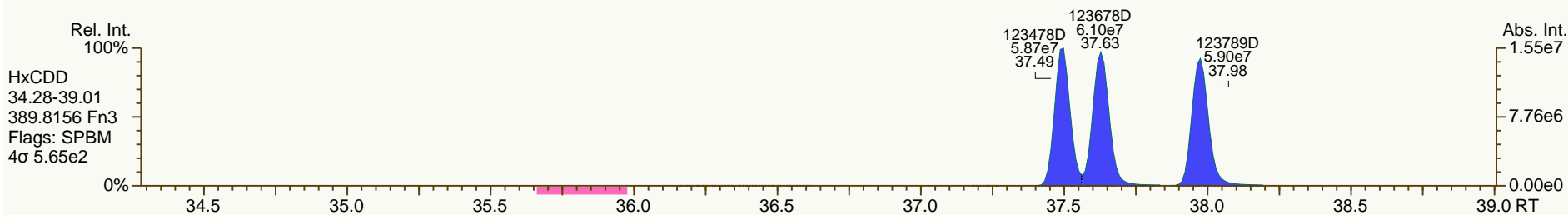
Dioxin/Furan QC Summary	Acq'd: 01 Aug 2012 13:47 MDC	ICAL: 1613_SGS
Lab ID: 1613_CS4	UTP: 01-Aug-2012 14:45 MDC	Checkcode: 262-366
Sample ID: 1613_CS4	Report: 16 Oct 2012 09:39 MC	Datafile: 120801P2-05

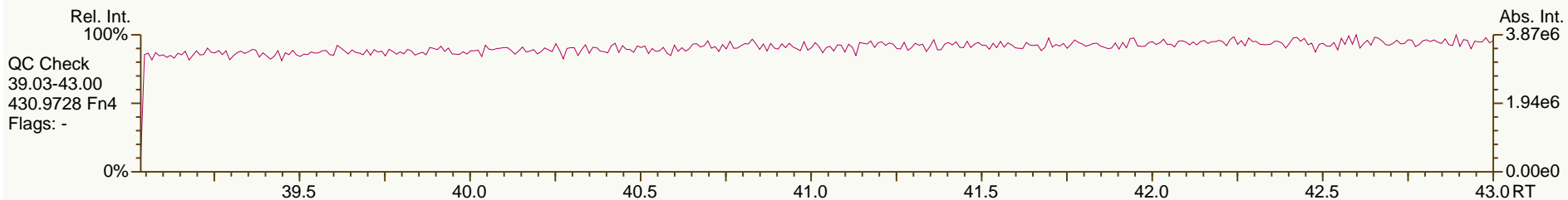
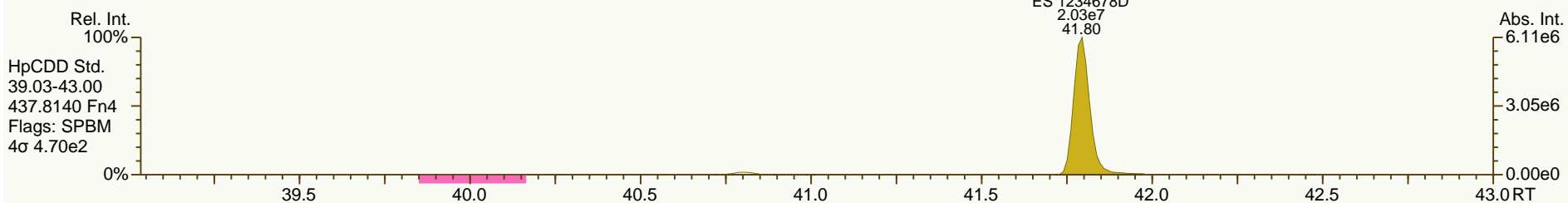
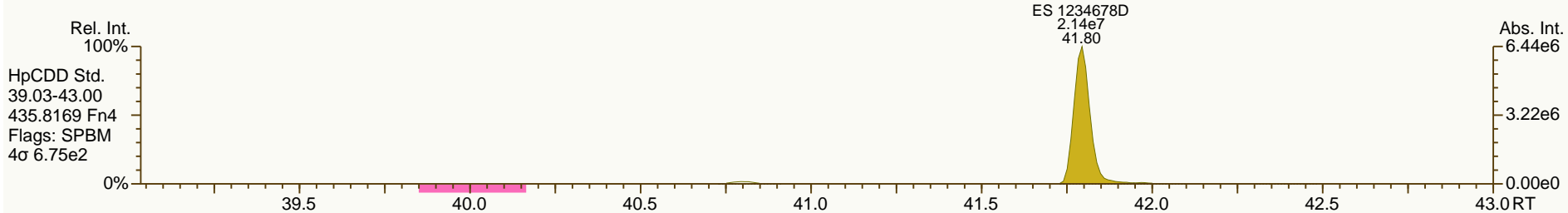
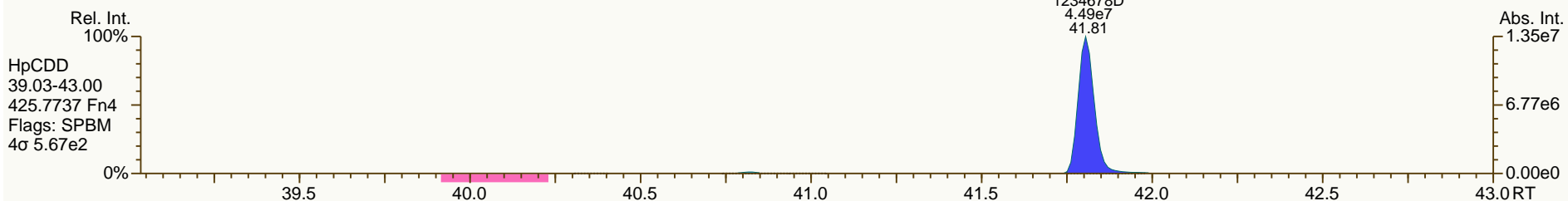
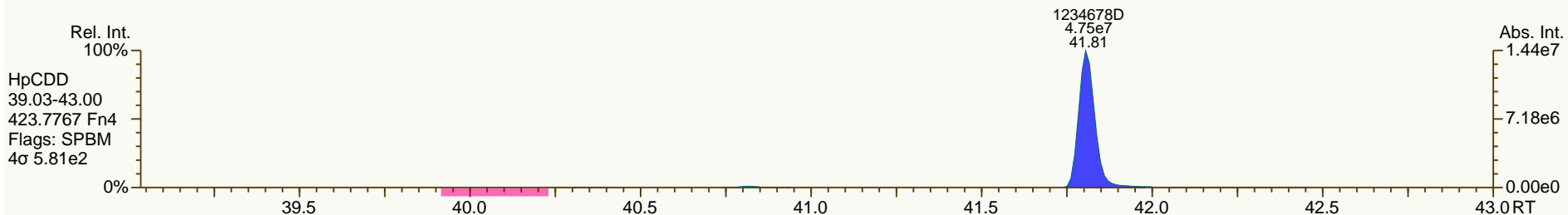
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.25	5.81E+07	0.80	Y	-	-	-
JS 123789-HxCDD	37.96	5.20E+07	1.25	Y	-	-	-
CS 37C1-2378-TCDD	26.10	2.77E+07	n/a	-	1.17	1.19	2%
SS 37C1-2378-TCDD	26.10	2.77E+07	n/a	-	1.12	1.15	2%

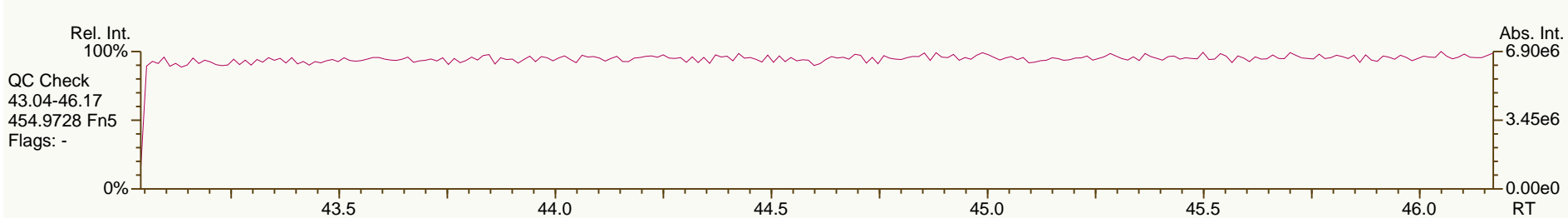
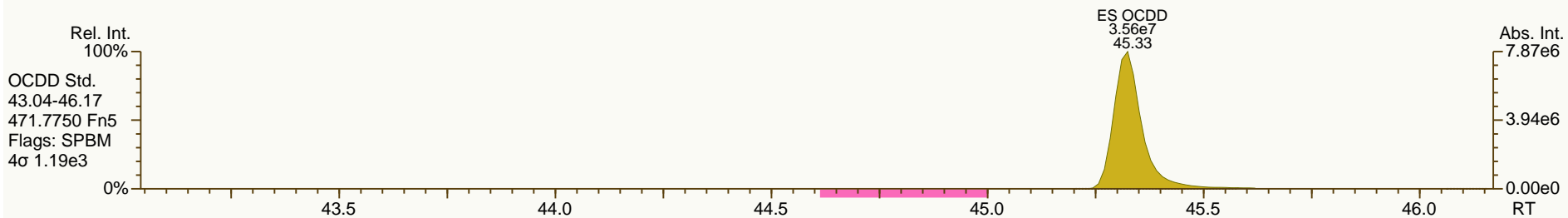
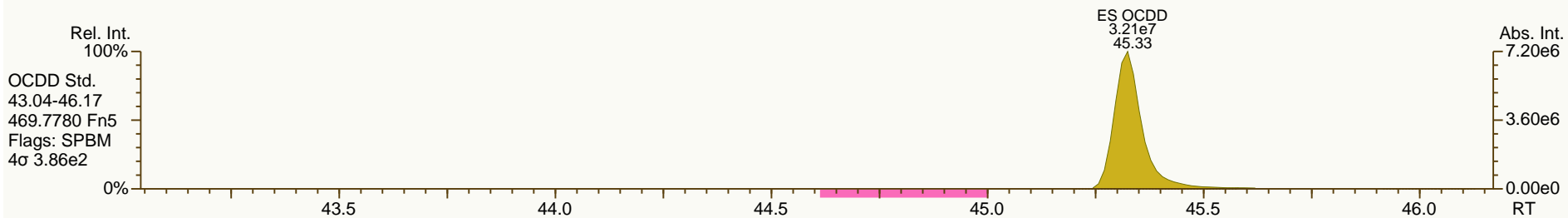
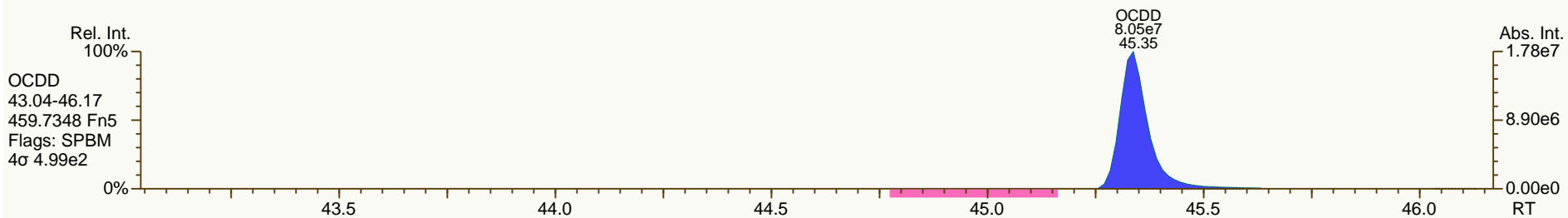
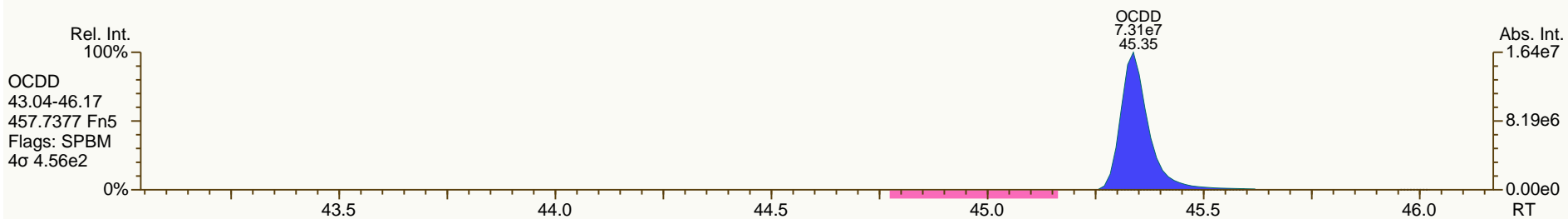


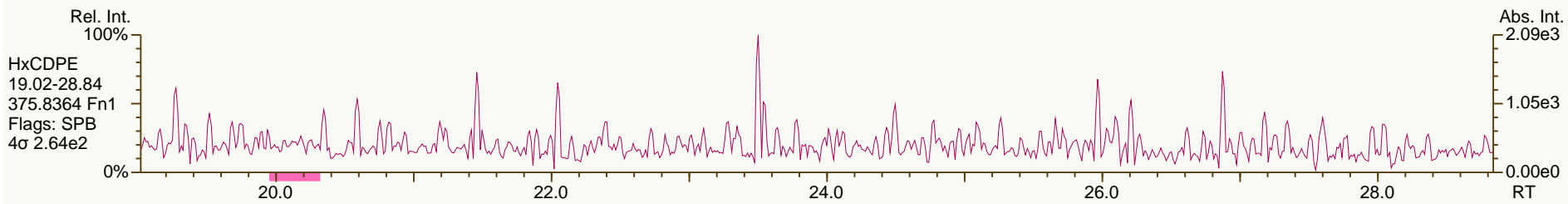
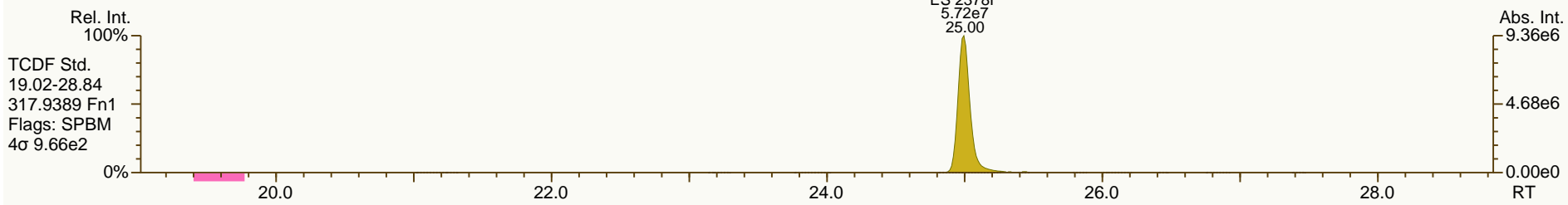
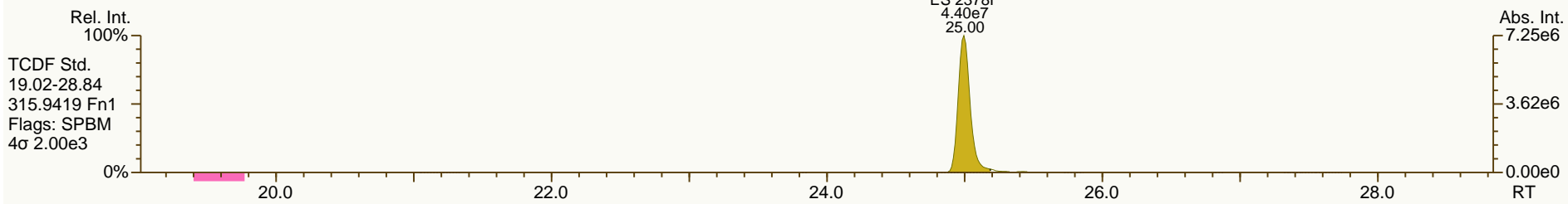
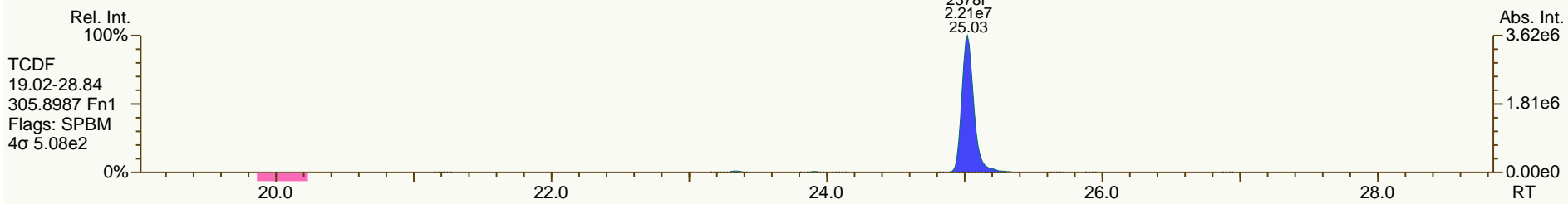
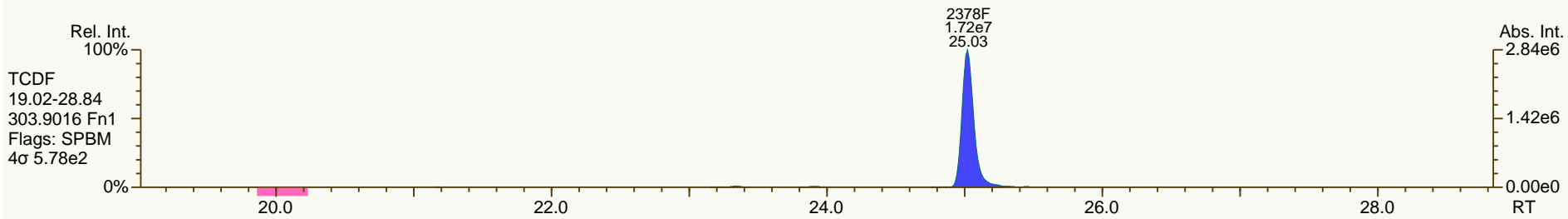


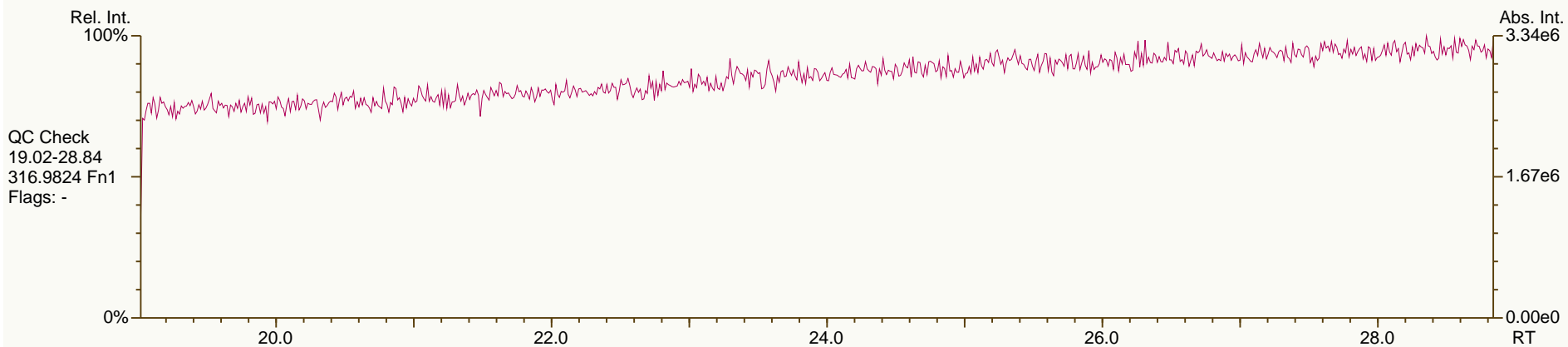
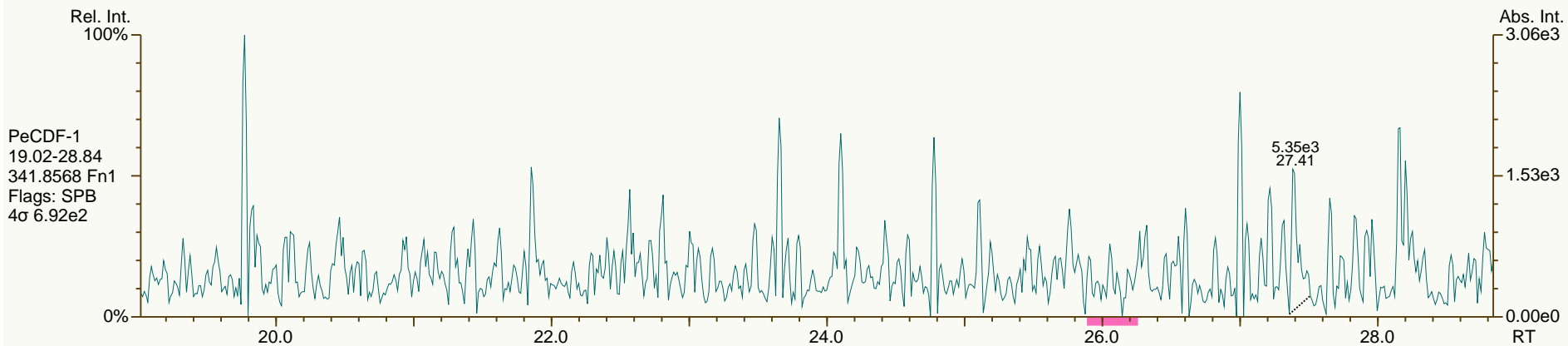
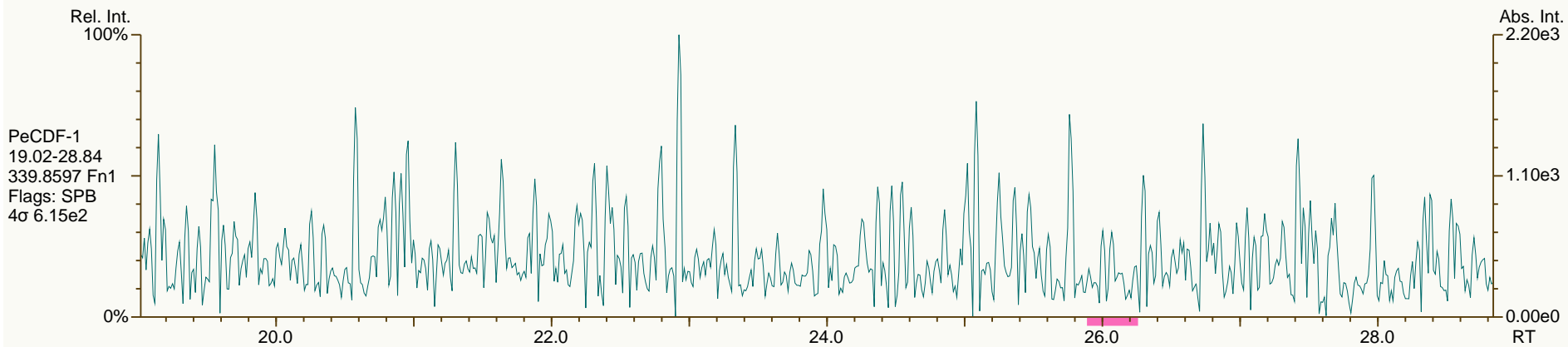


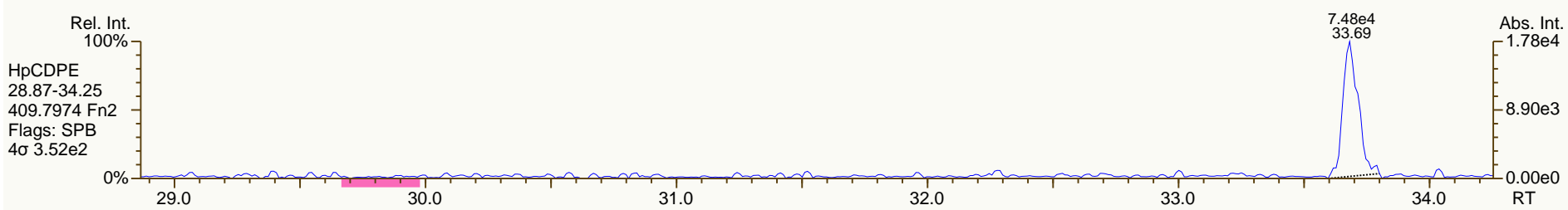
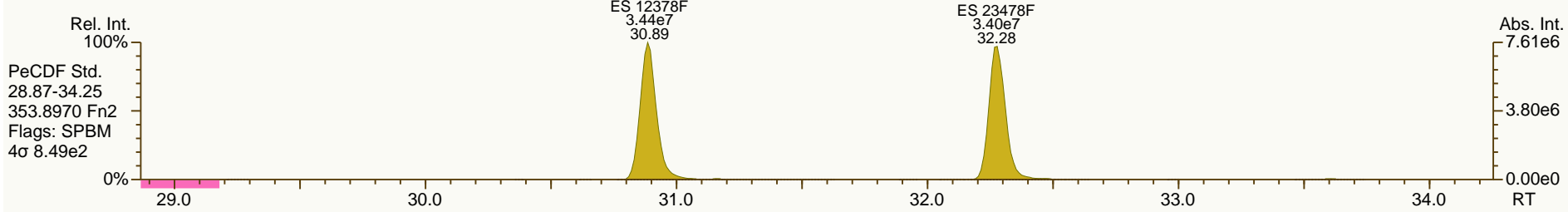
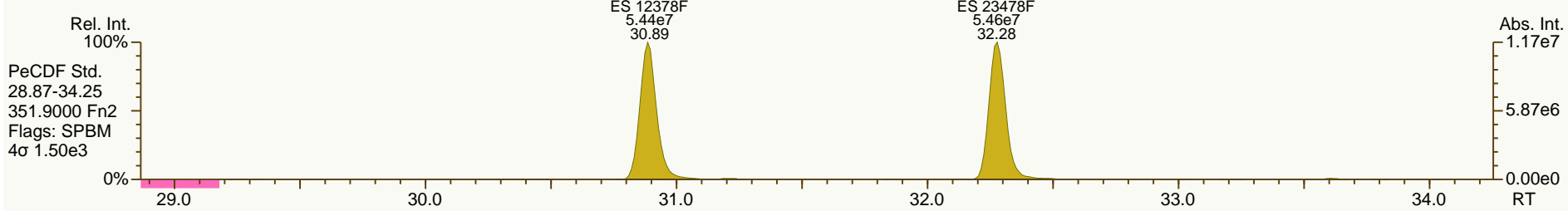
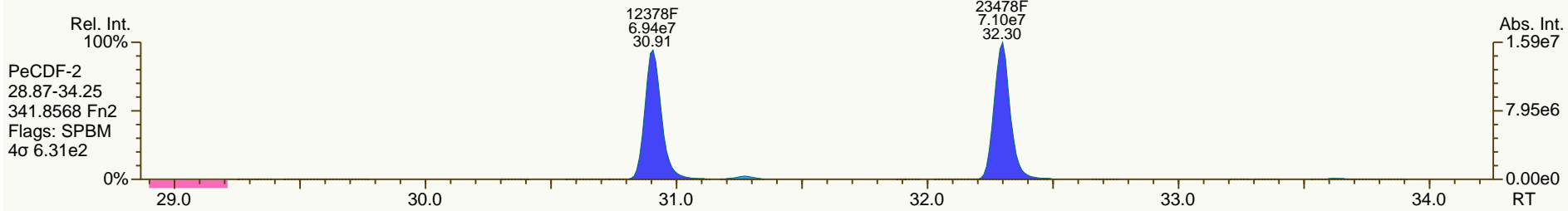
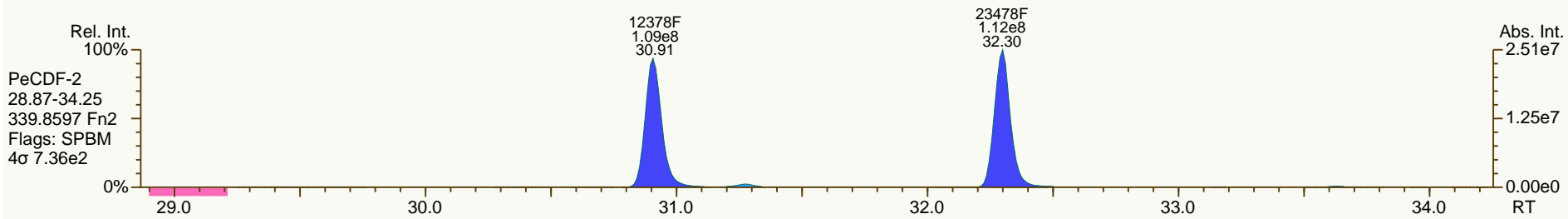


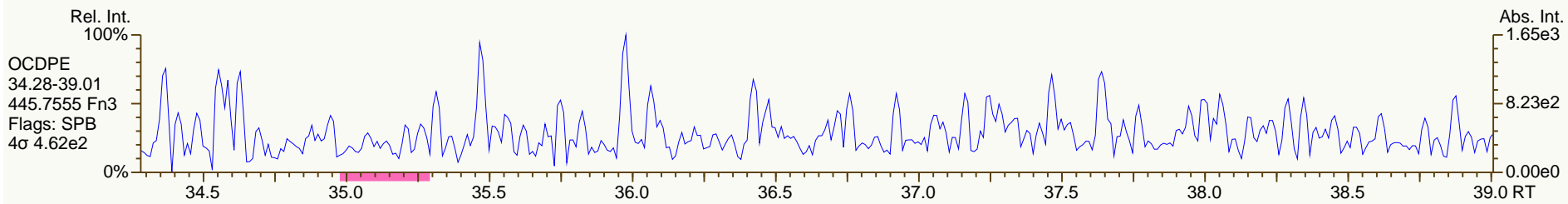
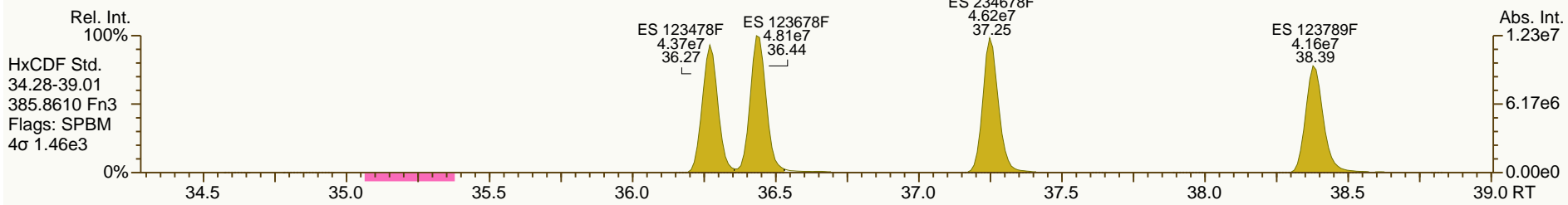
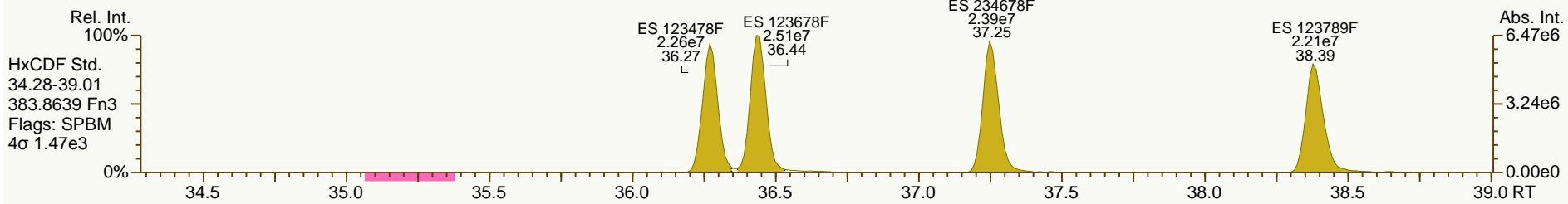
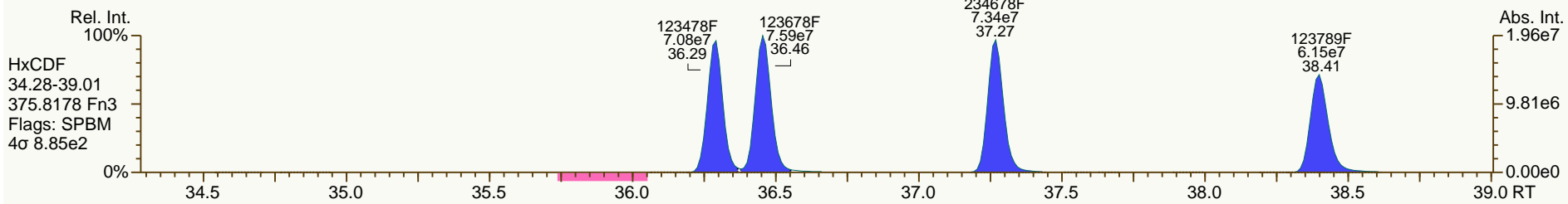
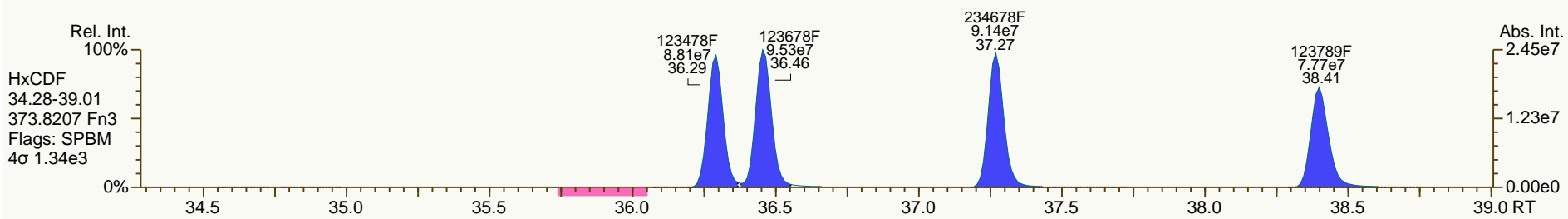








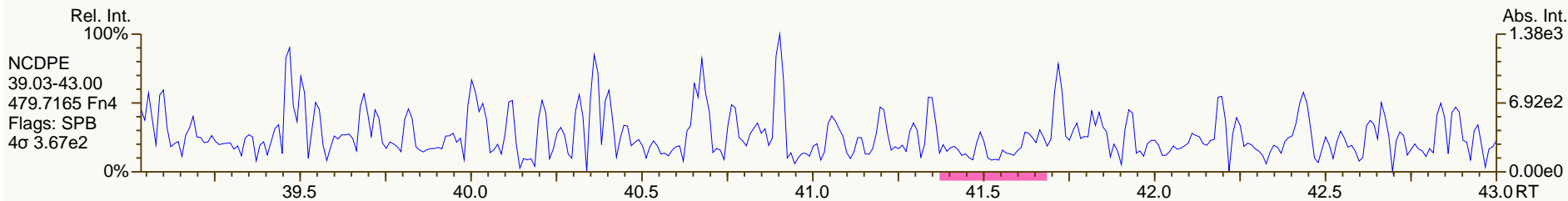
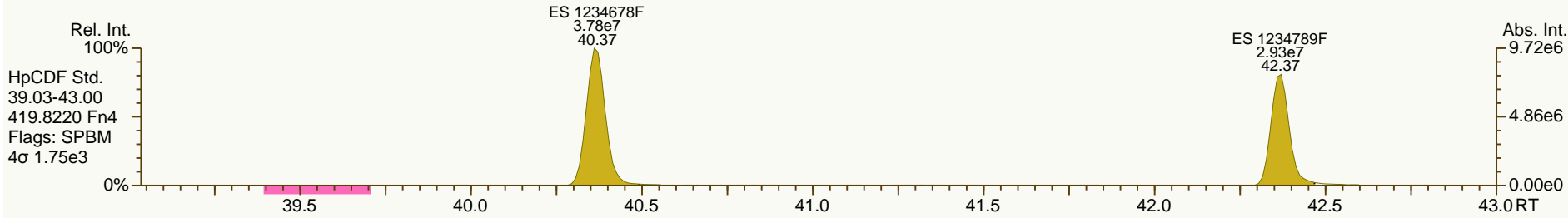
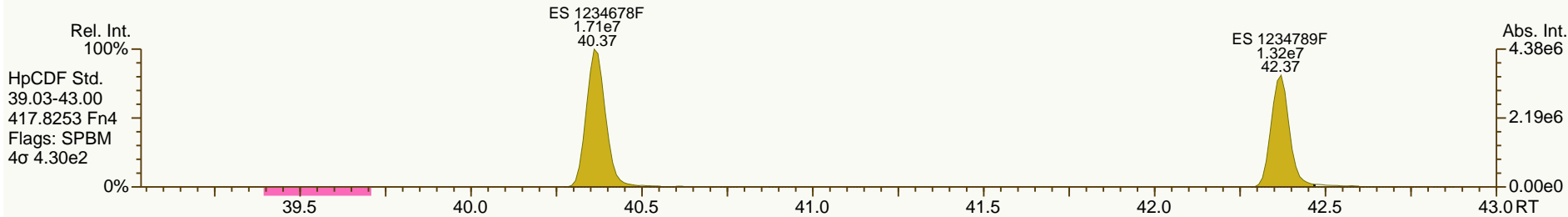
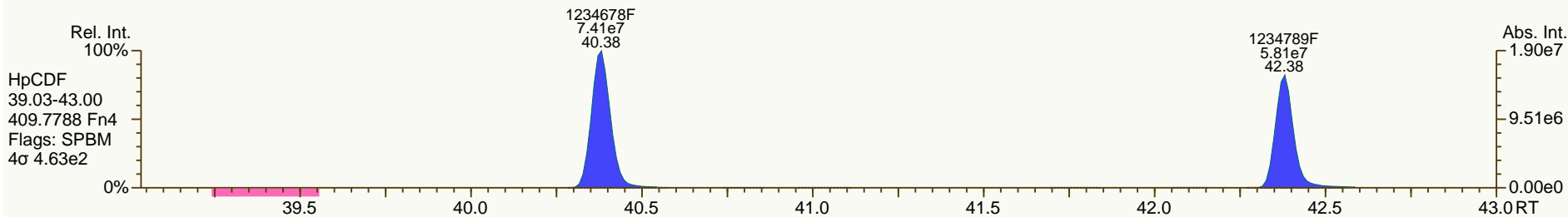
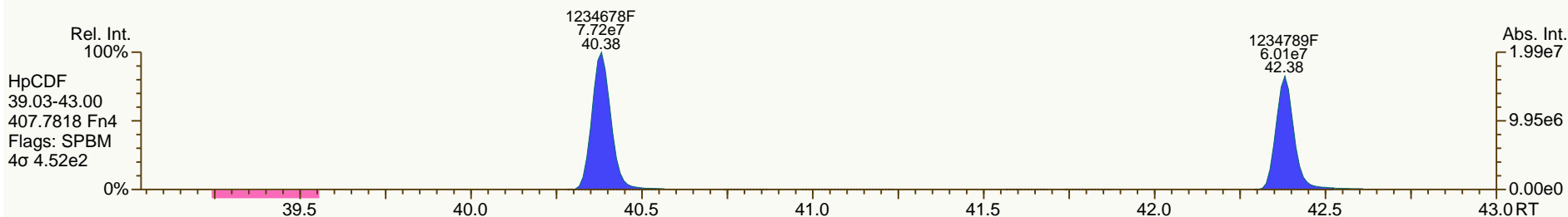


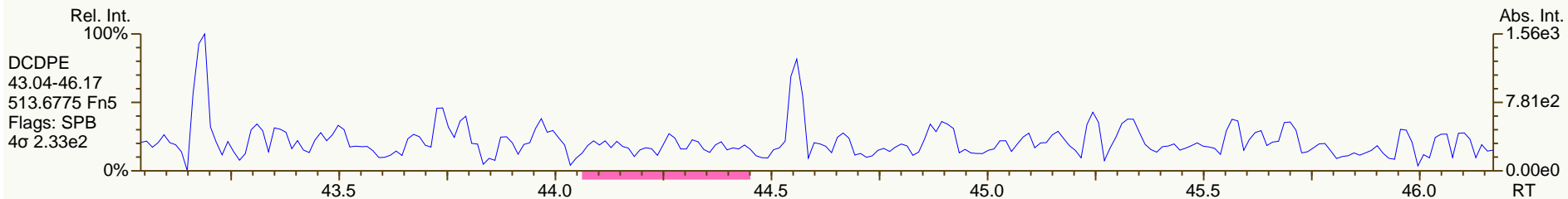
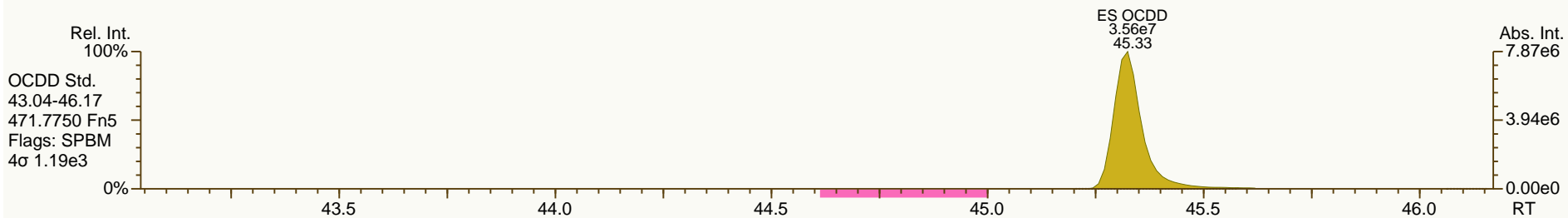
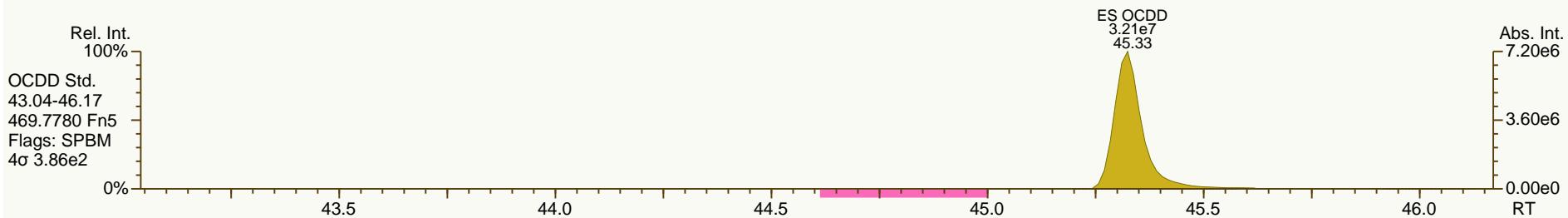
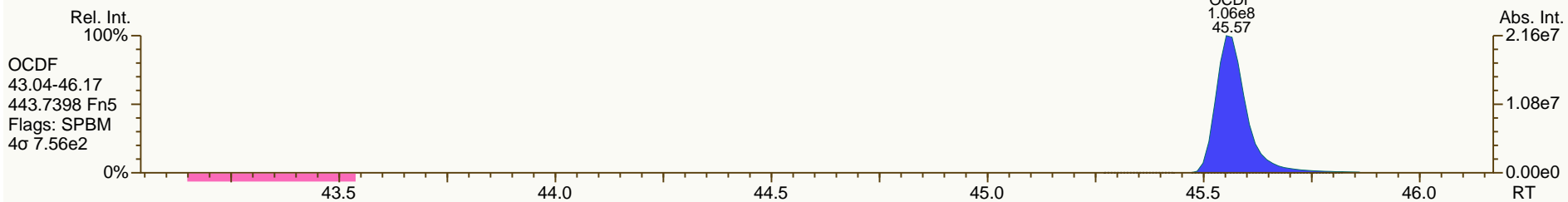
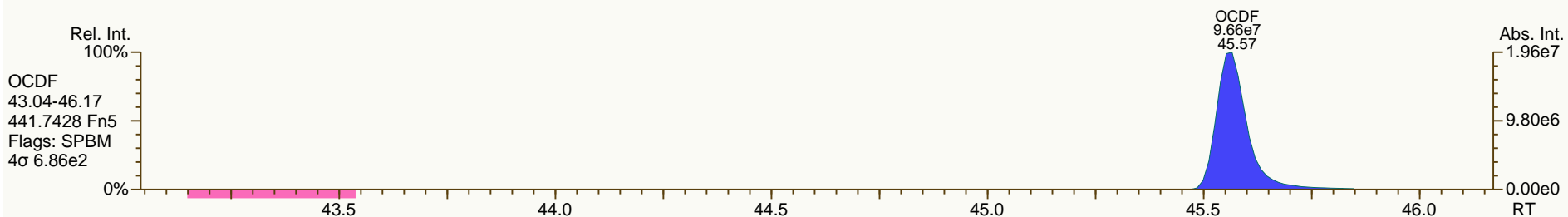


SGS-AP ID: 1613_CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 1613_CS4
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

Acq: 01-AUG-2012 13:47:53
User: MDC Datafile: 120801P2-05

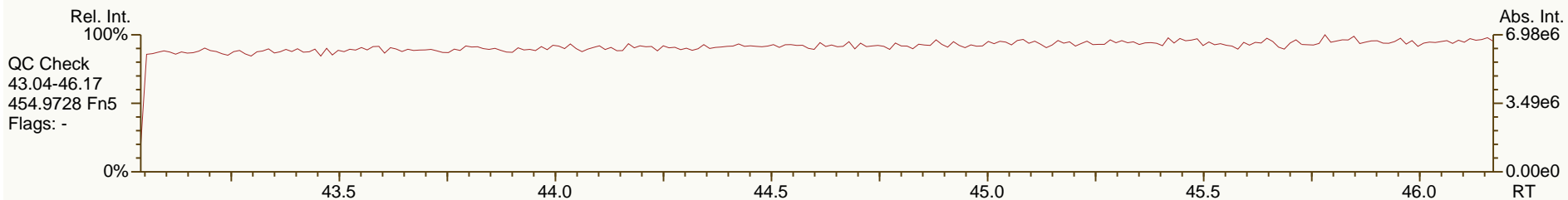
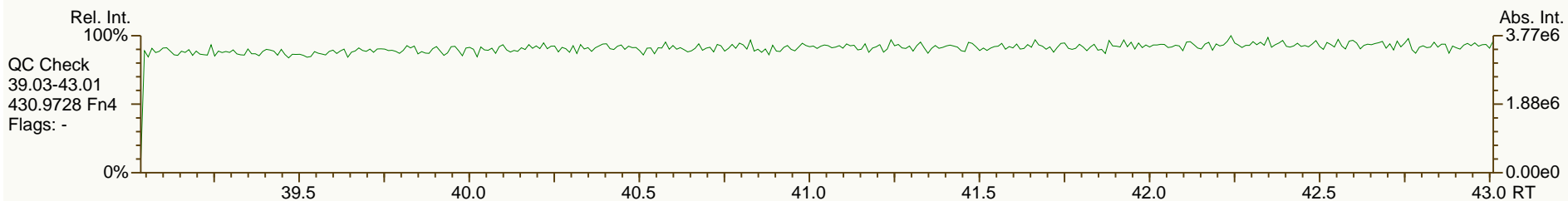
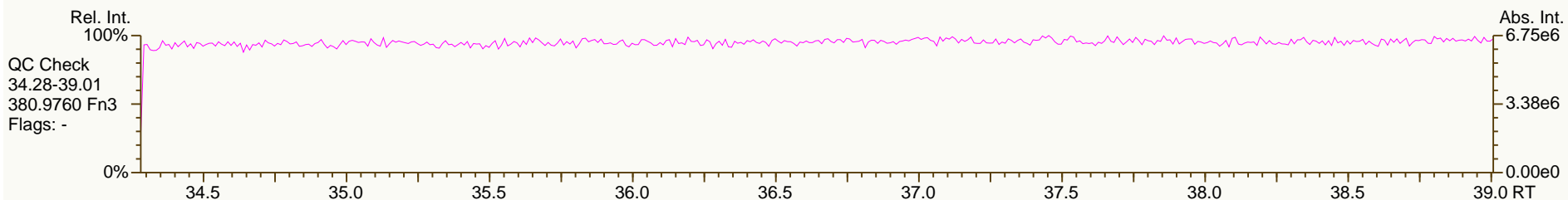
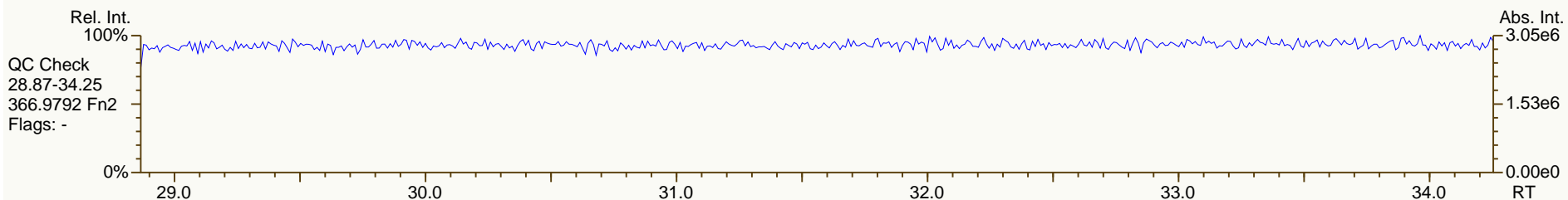
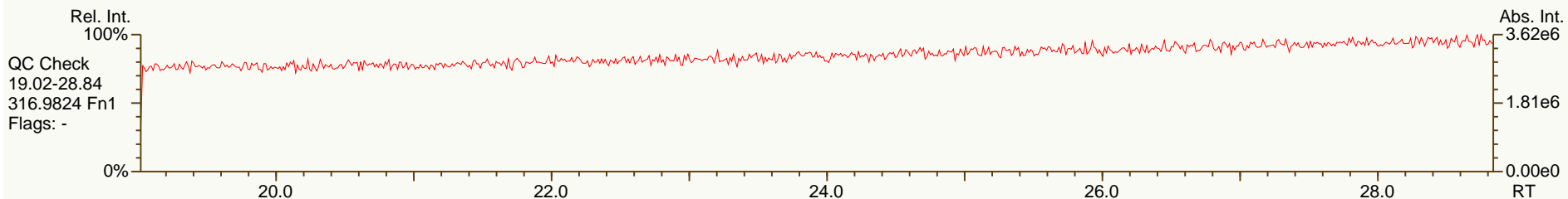


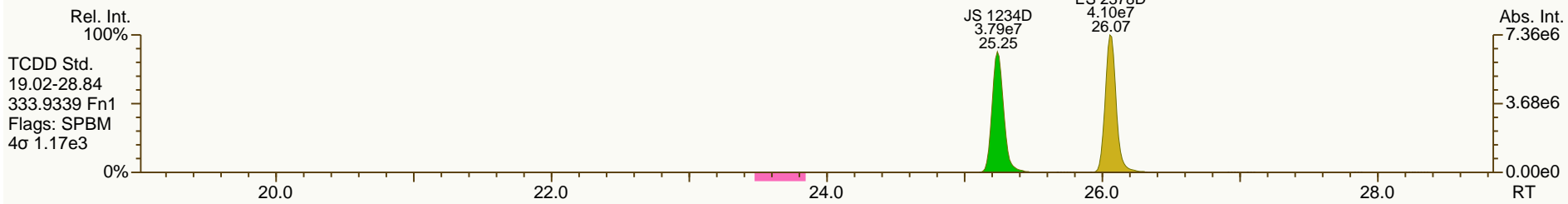
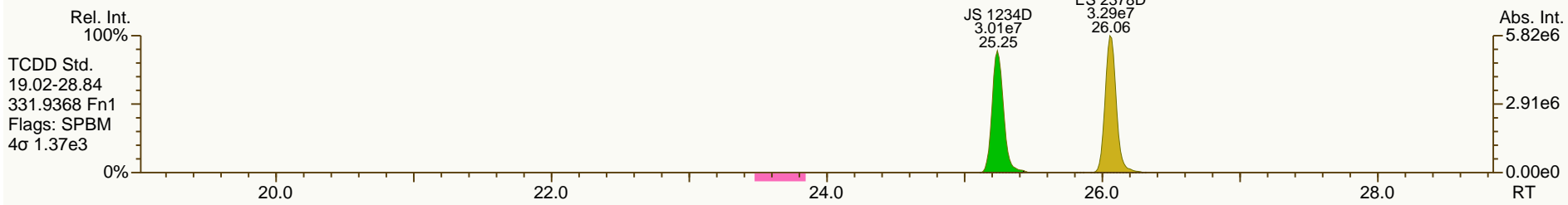
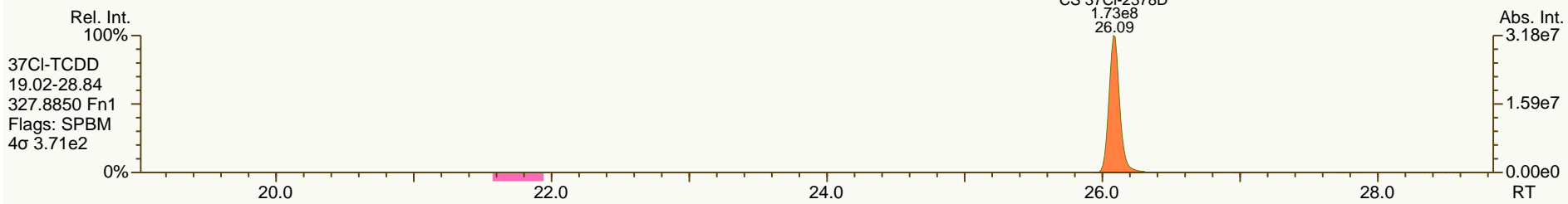
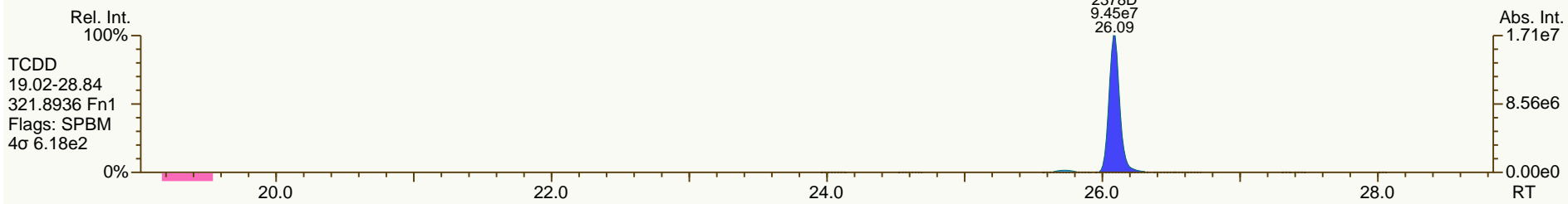
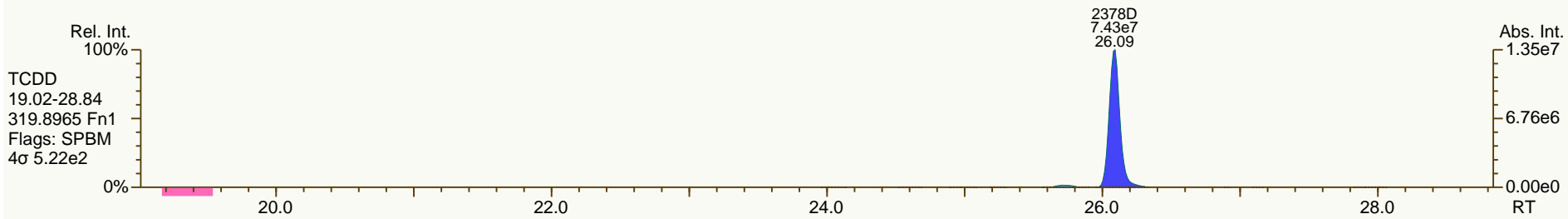


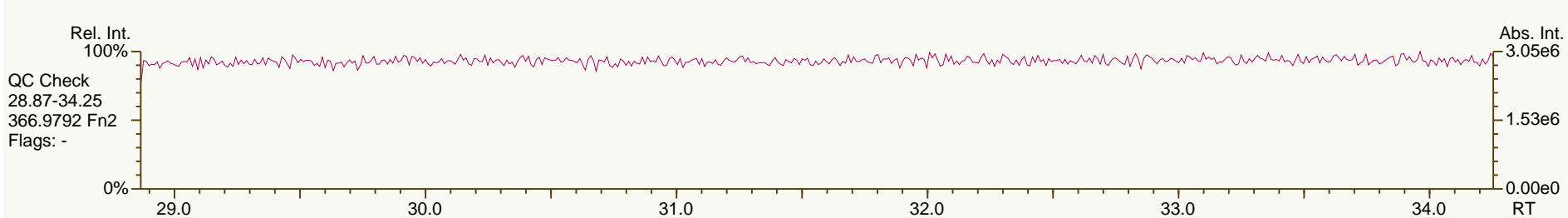
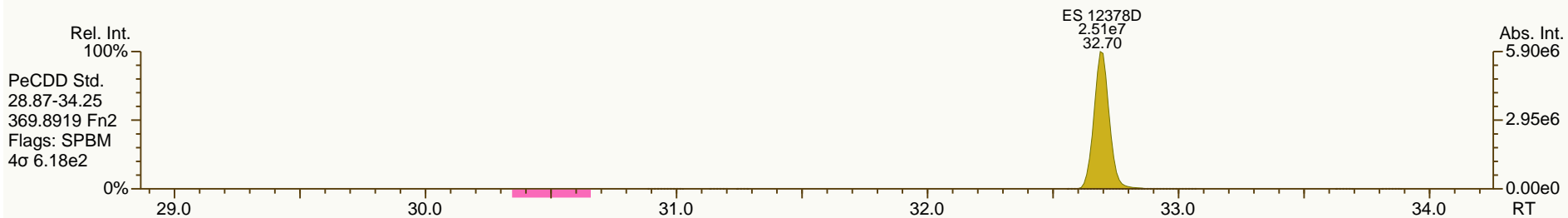
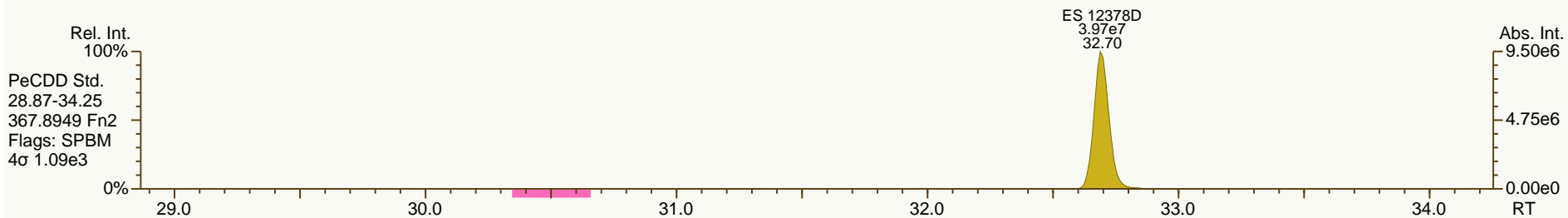
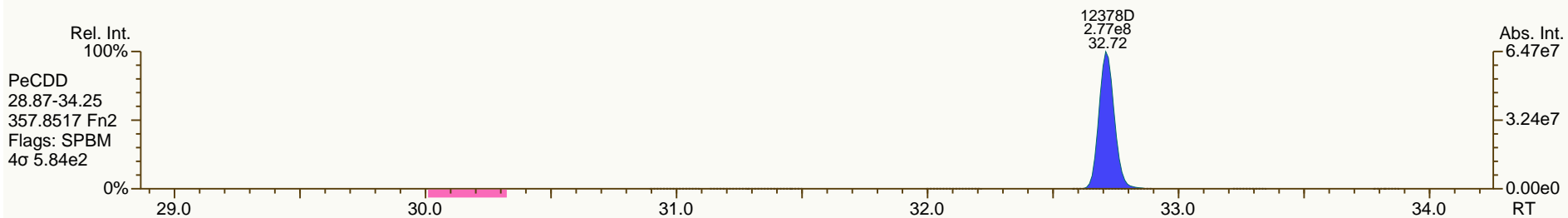
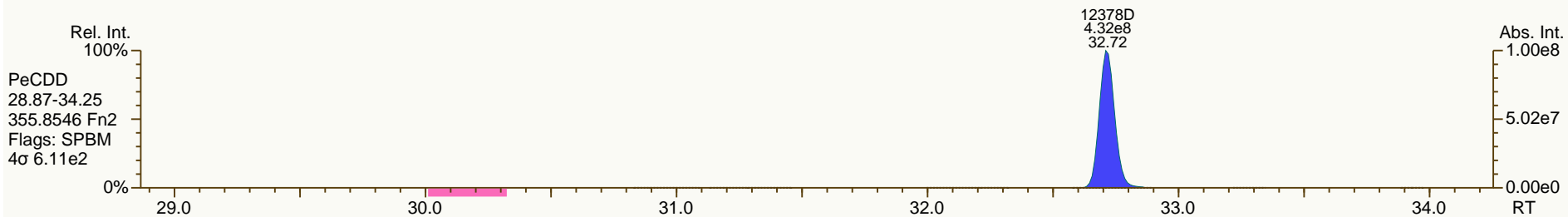
Dioxin/Furan QC Summary		Acq'd: 01 Aug 2012 14:38 MDC			ICAL: 1613_SGS		
Lab ID: 1613_CS5		UTP: 01-Aug-2012 15:36 MDC			Checkcode: 188-721-YQG		
Sample ID: 1613_CS5		Report: 16 Oct 2012 09:39 MC			Datafile: 120801P2-06		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.09	1.69E+08	0.79	Y	1.08	1.14	5%
12378-PeCDD	32.72	7.09E+08	1.56	Y	1.07	1.09	2%
123478-HxCDD	37.48	6.81E+08	1.26	Y	1.05	1.07	2%
123678-HxCDD	37.62	6.93E+08	1.25	Y	0.98	1.01	3%
123789-HxCDD	37.96	6.85E+08	1.25	Y	1.01	1.04	3%
1234678-HpCDD	41.80	6.19E+08	1.05	Y	1.09	1.14	4%
OCDD	45.33	1.08E+09	0.90	Y	1.11	1.14	3%
2378-TCDF	25.02	2.40E+08	0.79	Y	0.98	0.98	1%
12378-PeCDF	30.90	1.12E+09	1.58	Y	0.99	1.02	3%
23478-PeCDF	32.29	1.15E+09	1.58	Y	1.02	1.06	4%
123478-HxCDF	36.28	1.00E+09	1.25	Y	1.19	1.22	3%
123678-HxCDF	36.45	1.08E+09	1.25	Y	1.16	1.19	3%
234678-HxCDF	37.26	1.04E+09	1.25	Y	1.18	1.19	1%
123789-HxCDF	38.39	9.09E+08	1.25	Y	1.09	1.12	3%
1234678-HpCDF	40.37	1.01E+09	1.03	Y	1.35	1.39	3%
1234789-HpCDF	42.37	8.03E+08	1.04	Y	1.34	1.38	3%
OCDF	45.55	1.46E+09	0.91	Y	1.40	1.54	10%
ES 2378-TCDD	26.06	7.39E+07	0.80	Y	1.04	1.09	4%
ES 12378-PeCDD	32.70	6.49E+07	1.58	Y	0.87	0.95	10%
ES 123478-HxCDD	37.47	6.36E+07	1.27	Y	0.94	0.96	2%
ES 123678-HxCDD	37.60	6.86E+07	1.28	Y	1.06	1.04	-2%
ES 1234678-HpCDD	41.78	5.44E+07	1.06	Y	0.80	0.82	3%
ES OCDD	45.32	9.50E+07	0.90	Y	0.63	0.72	14%
ES 2378-TCDF	24.99	1.22E+08	0.79	Y	1.74	1.80	3%
ES 12378-PeCDF	30.88	1.10E+08	1.59	Y	1.49	1.61	8%
ES 23478-PeCDF	32.27	1.09E+08	1.59	Y	1.48	1.60	8%
ES 123478-HxCDF	36.26	8.23E+07	0.52	Y	1.27	1.24	-2%
ES 123678-HxCDF	36.43	9.12E+07	0.53	Y	1.41	1.38	-2%
ES 234678-HxCDF	37.24	8.73E+07	0.52	Y	1.34	1.32	-2%
ES 123789-HxCDF	38.37	8.09E+07	0.52	Y	1.20	1.22	1%
ES 1234678-HpCDF	40.35	7.25E+07	0.46	Y	1.06	1.10	3%
ES 1234789-HpCDF	42.35	5.81E+07	0.45	Y	0.82	0.88	7%

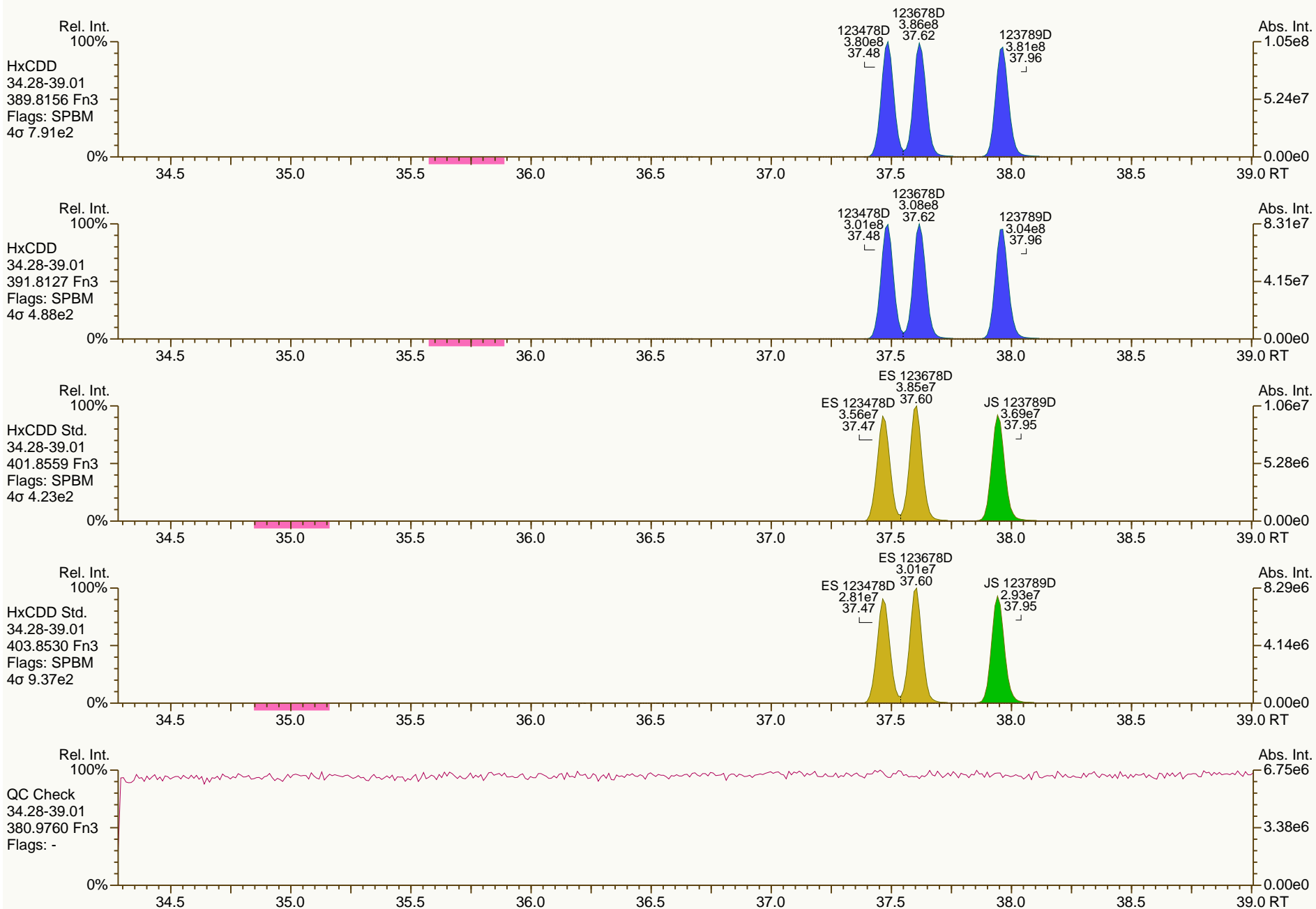
Dioxin/Furan QC Summary	Acq'd: 01 Aug 2012 14:38 MDC	ICAL: 1613_SGS
Lab ID: 1613_CS5	UTP: 01-Aug-2012 15:36 MDC	Checkcode: 188-721
Sample ID: 1613_CS5	Report: 16 Oct 2012 09:39 MC	Datafile: 120801P2-06

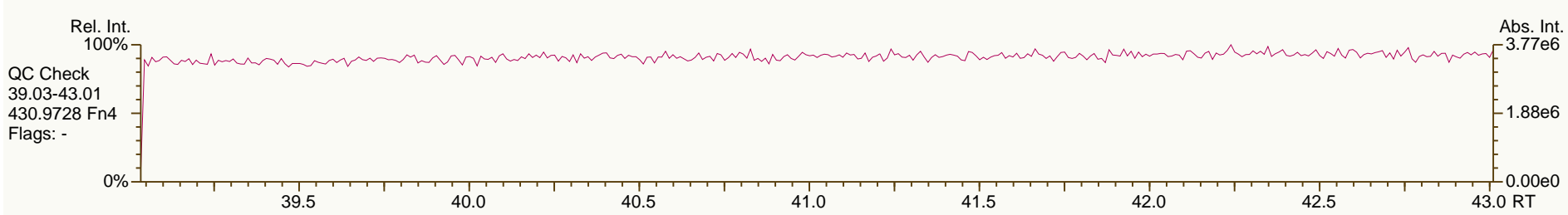
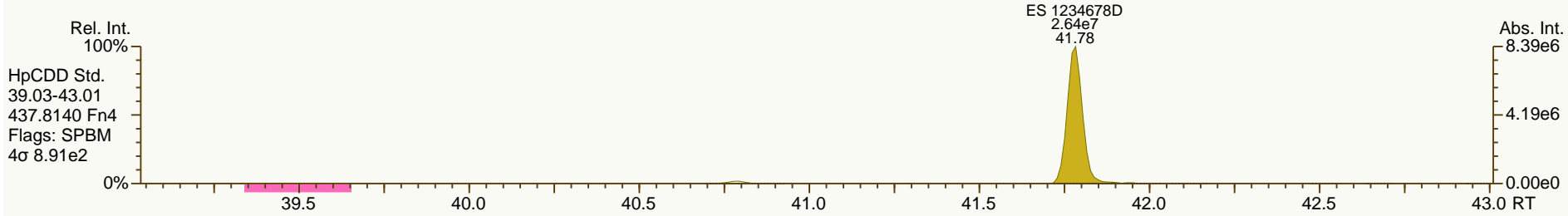
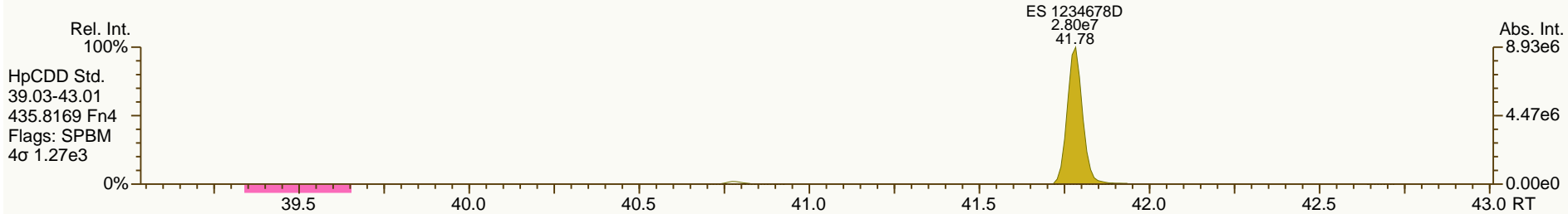
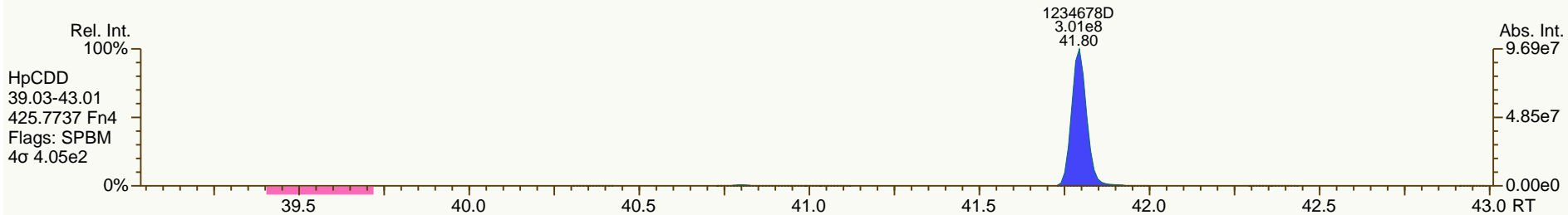
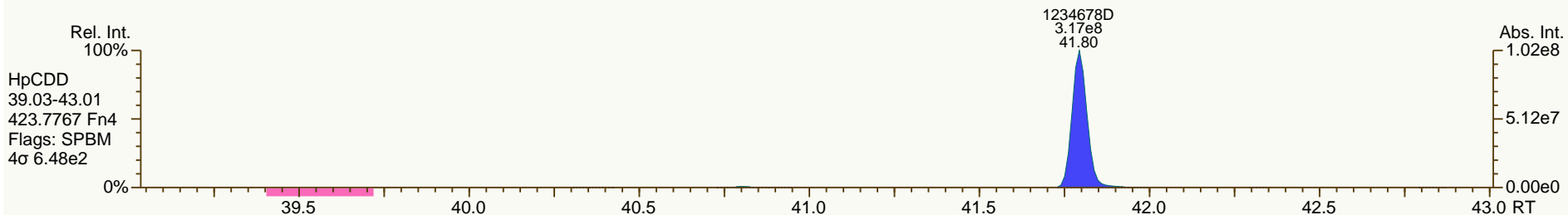
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.25	6.80E+07	0.80	Y	-	-	-
JS 123789-HxCDD	37.95	6.62E+07	1.26	Y	-	-	-
CS 37C1-2378-TCDD	26.09	1.73E+08	n/a	-	1.17	1.27	8%
SS 37C1-2378-TCDD	26.09	1.73E+08	n/a	-	1.12	1.17	4%

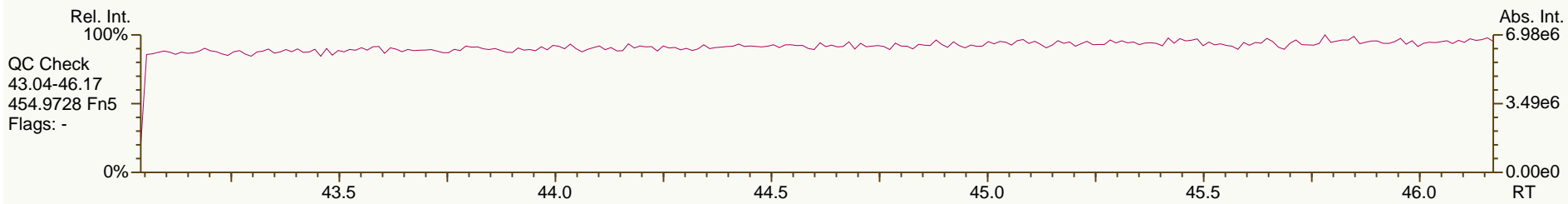
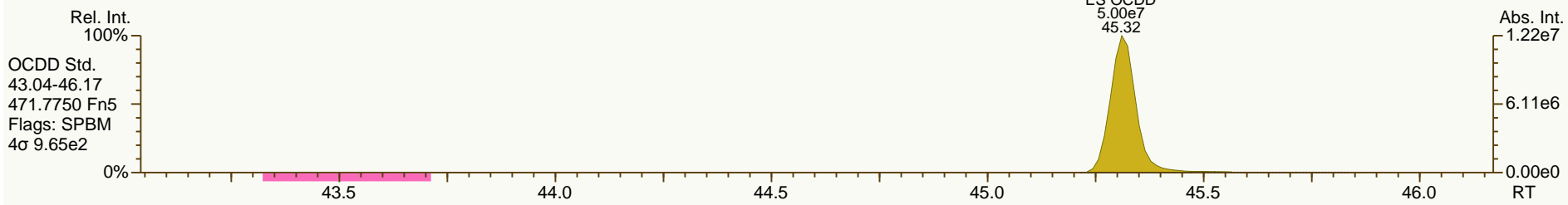
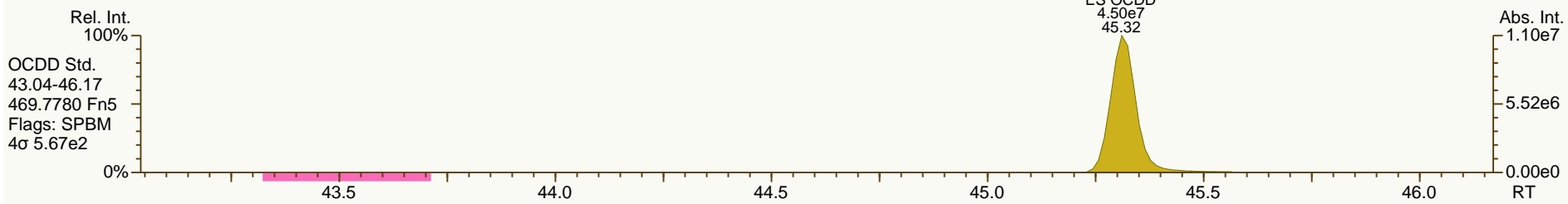
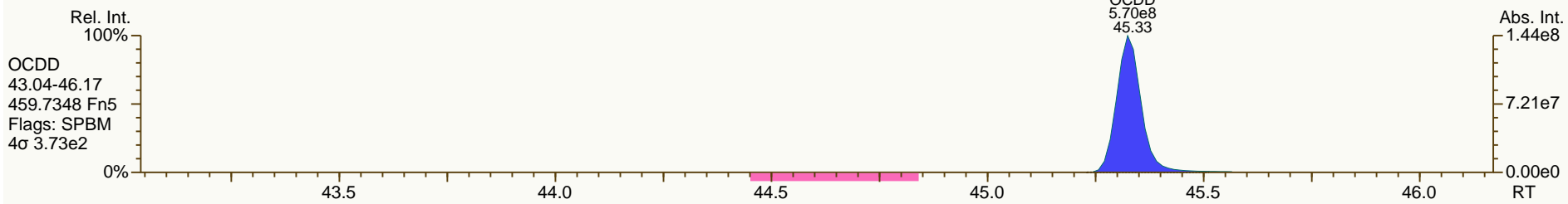
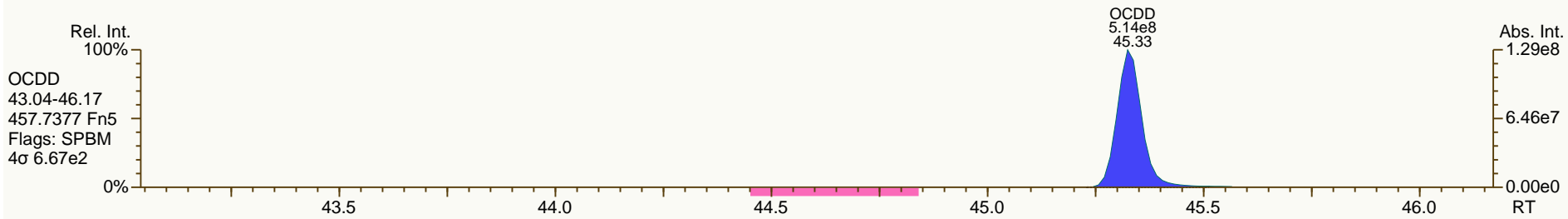


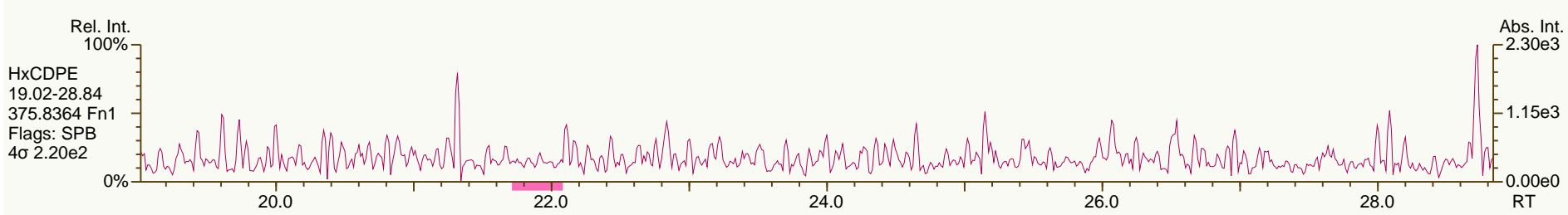
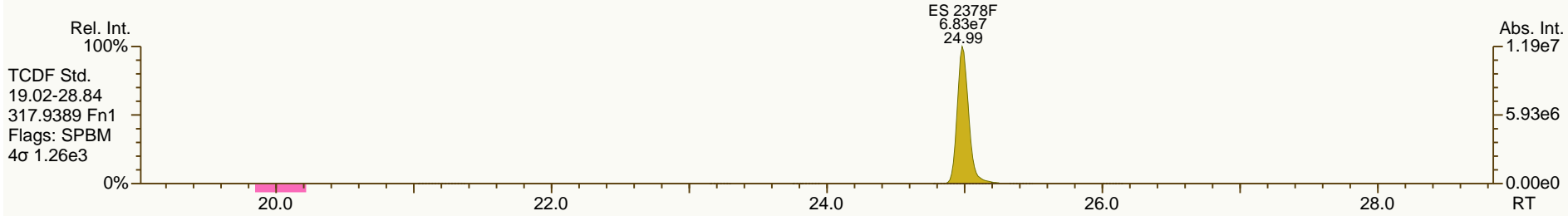
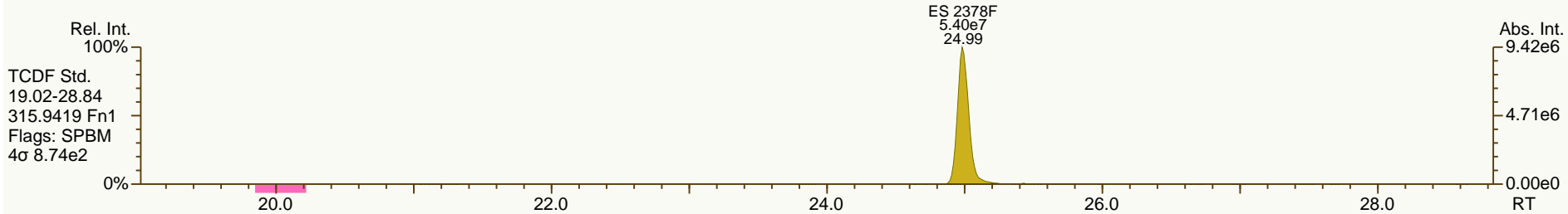
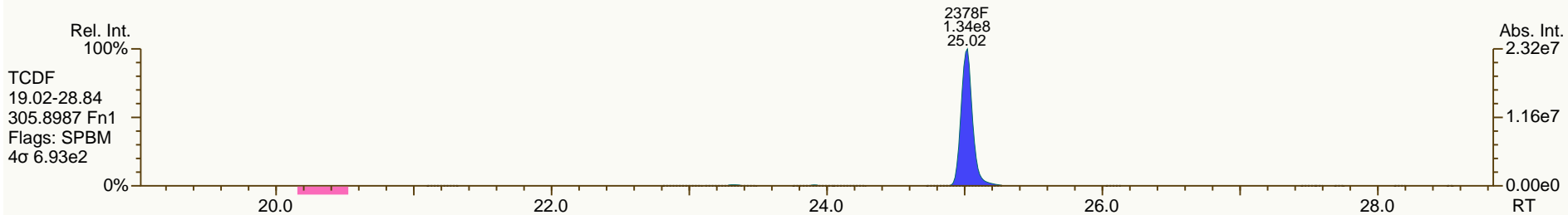
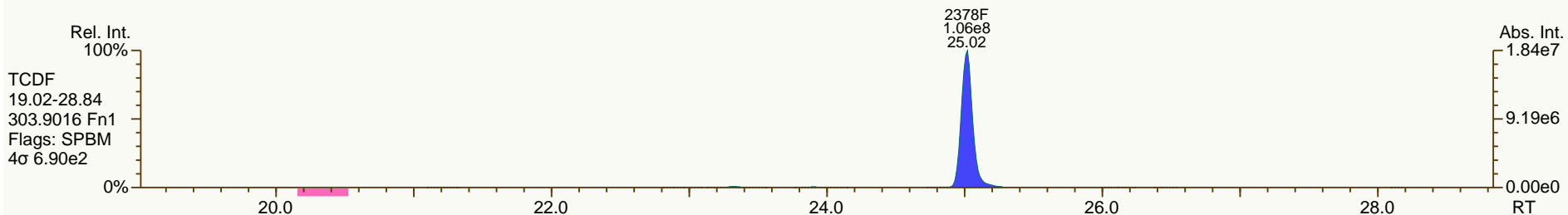


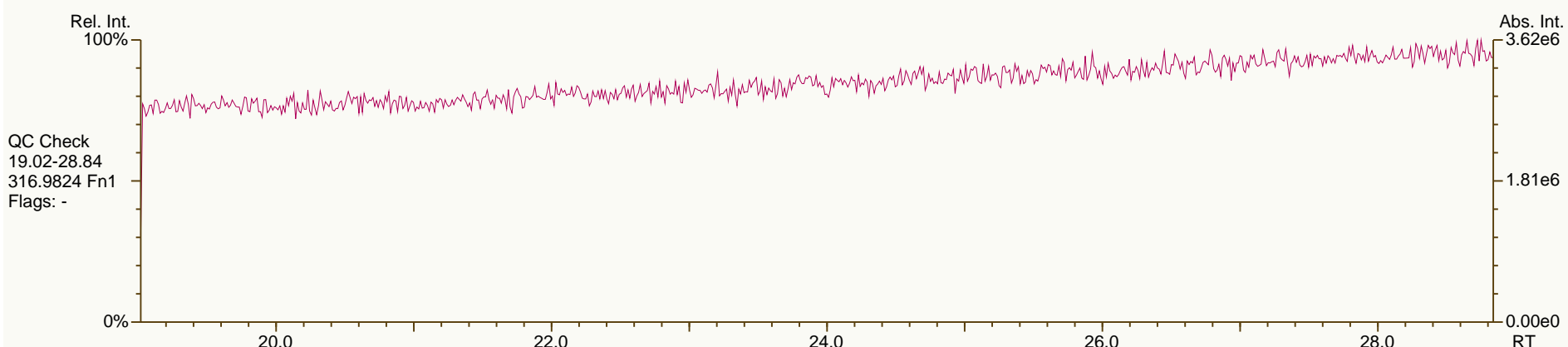
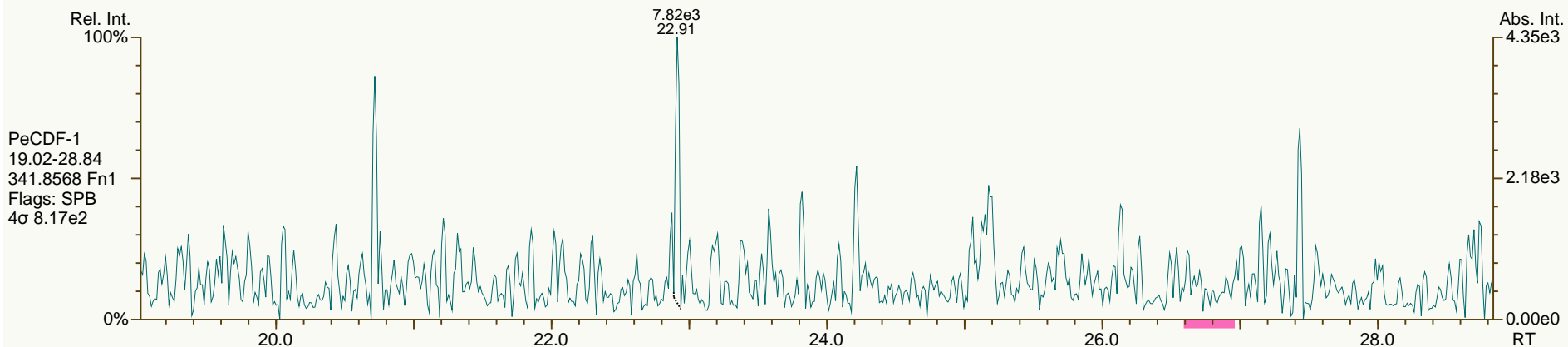
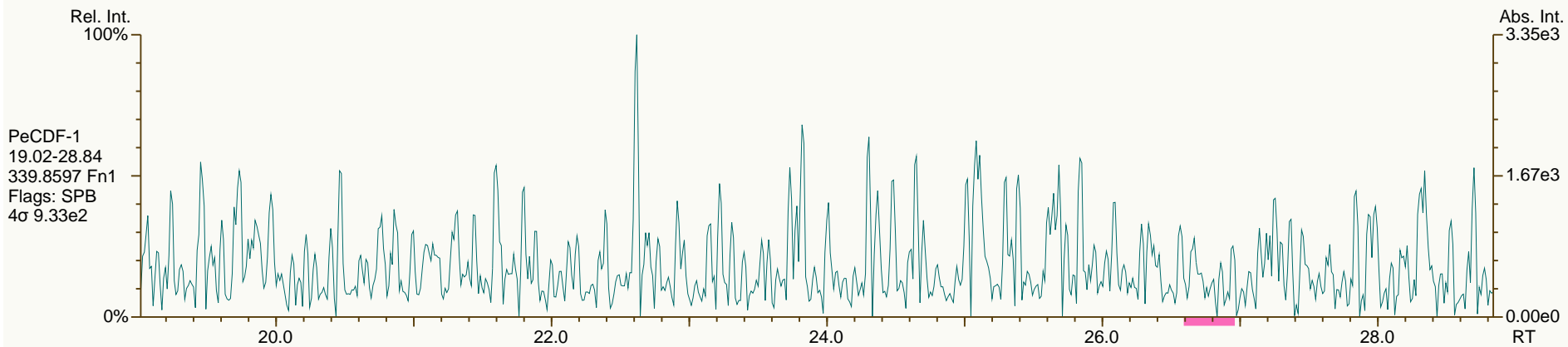


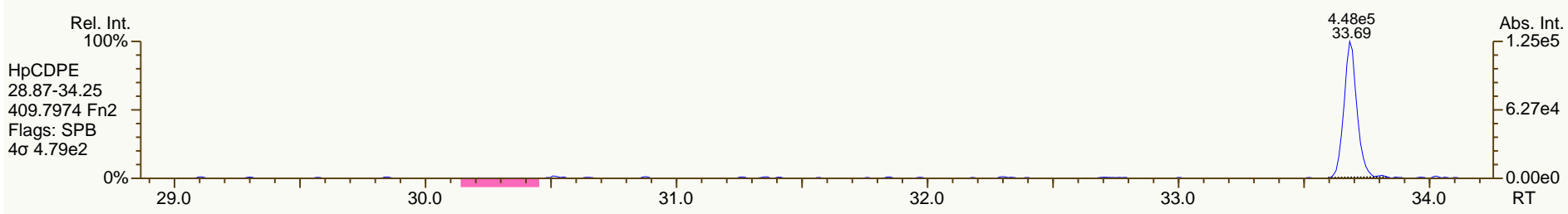
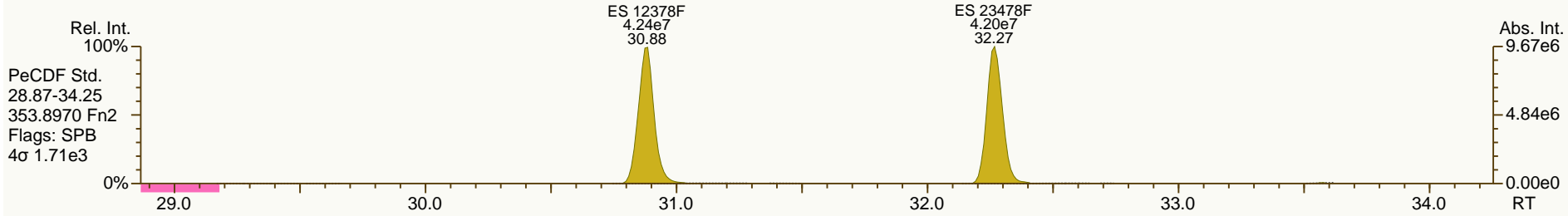
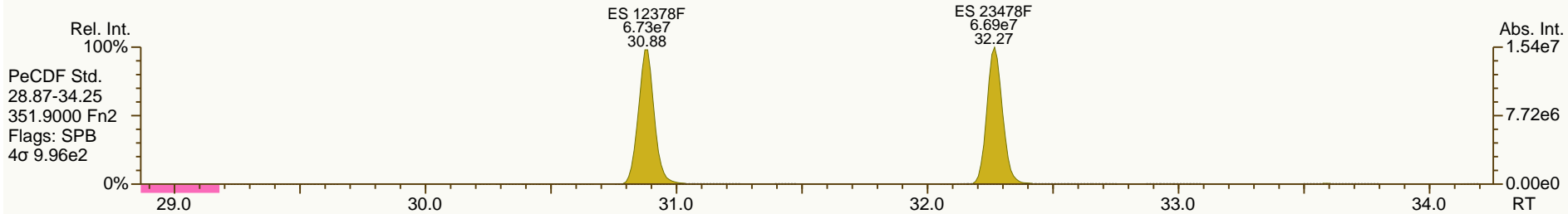
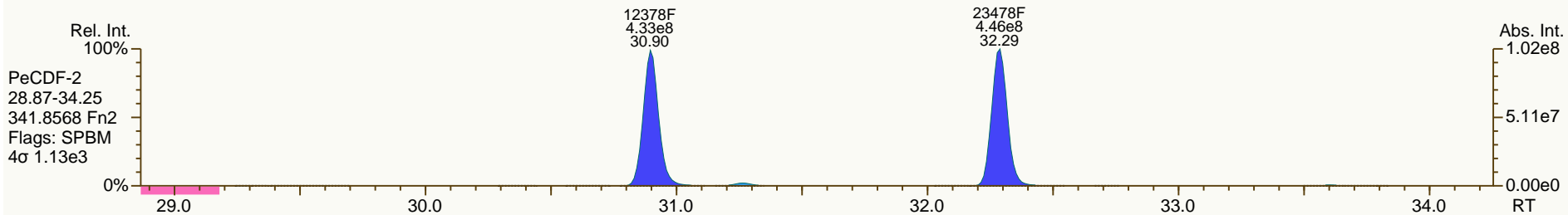
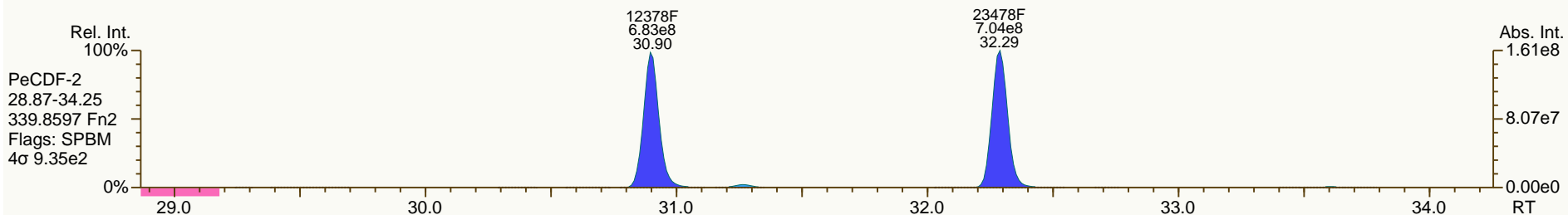


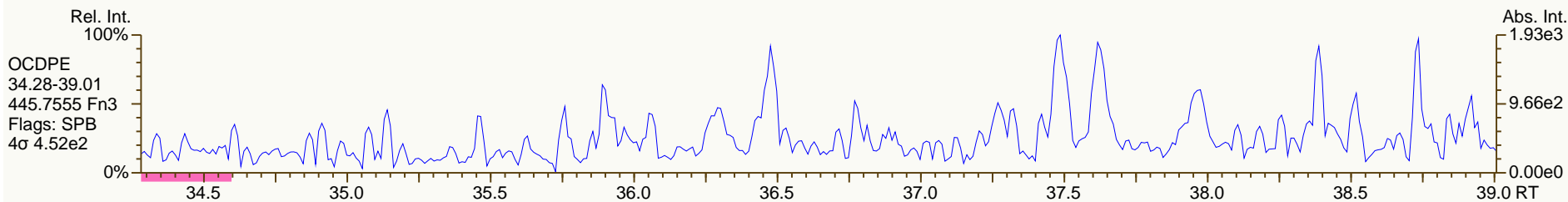
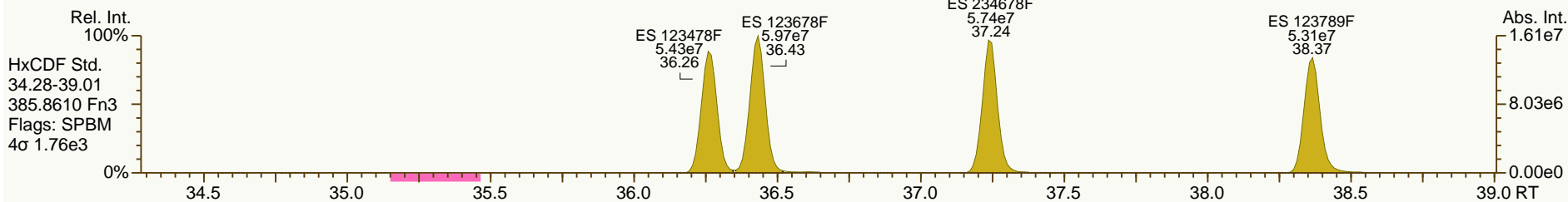
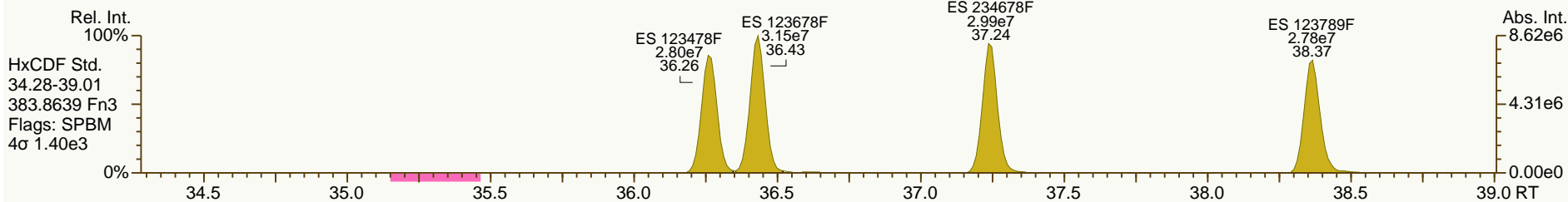
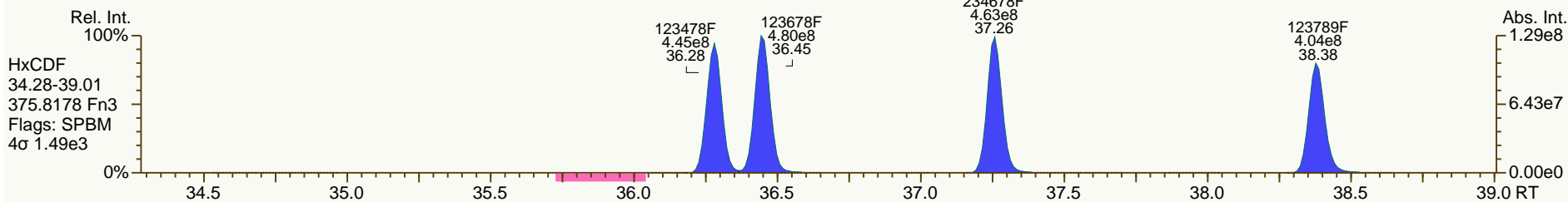
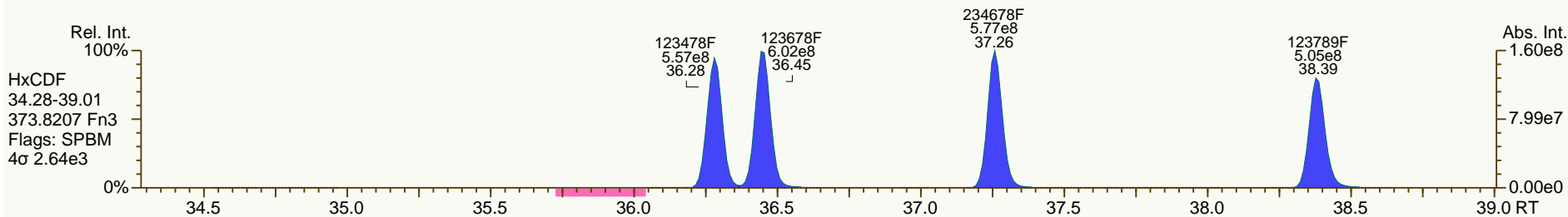


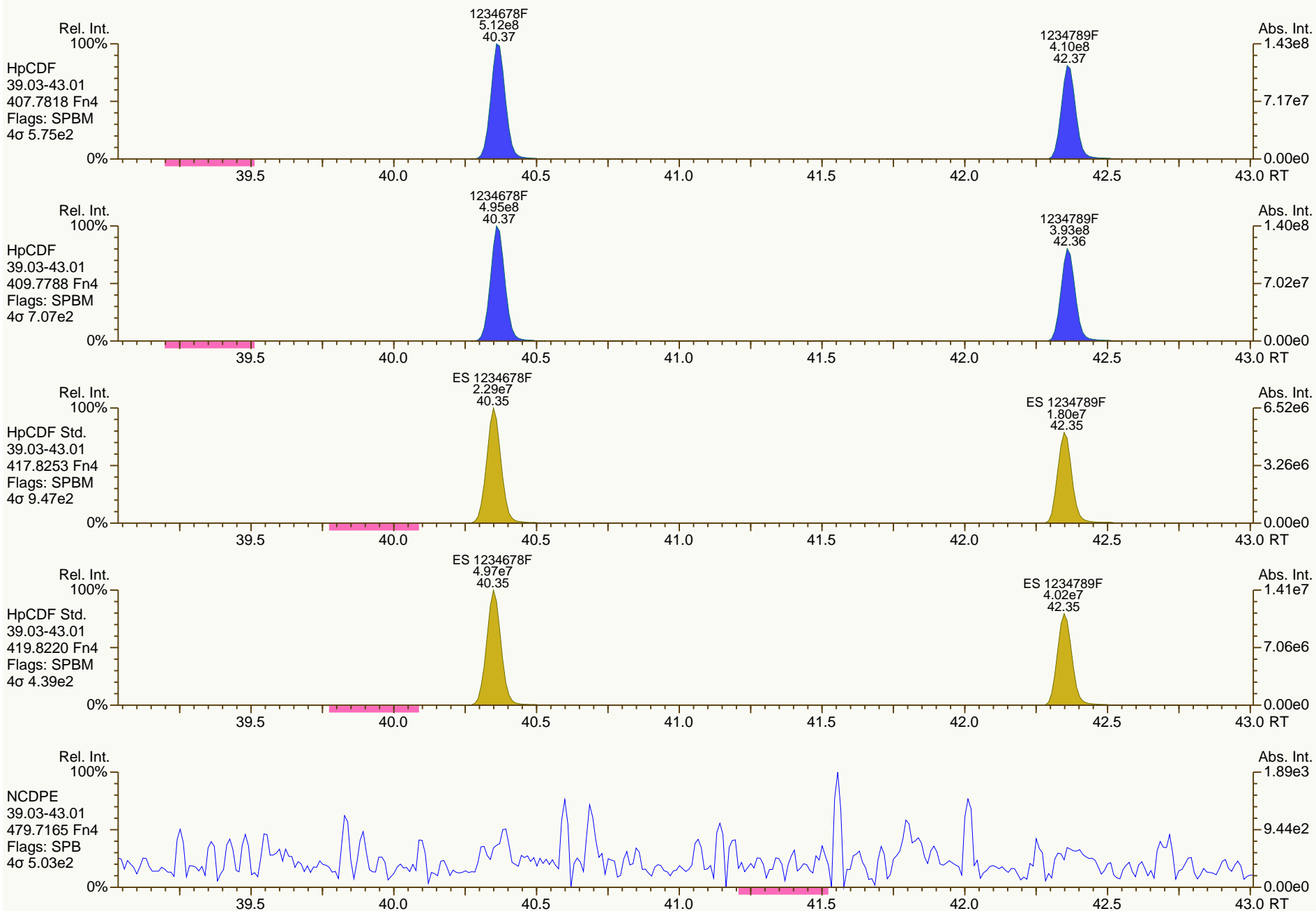


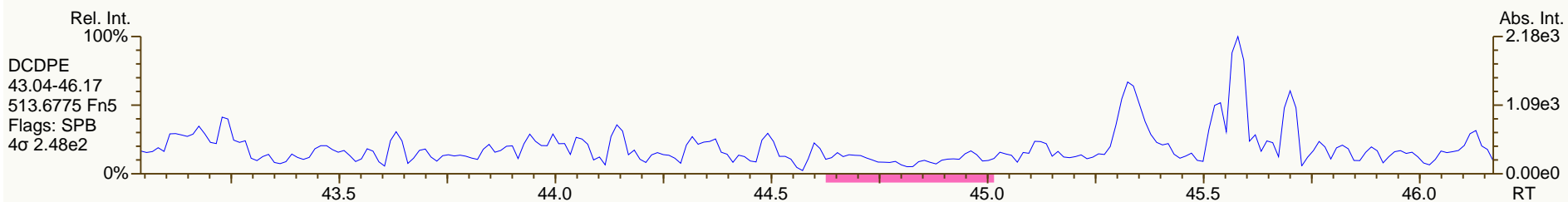
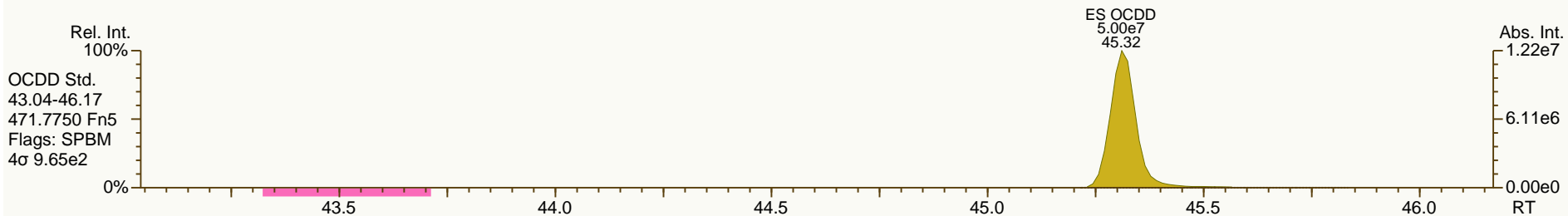
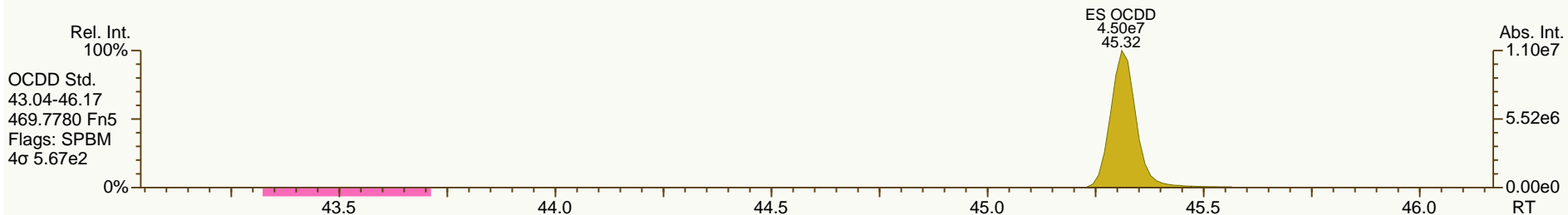
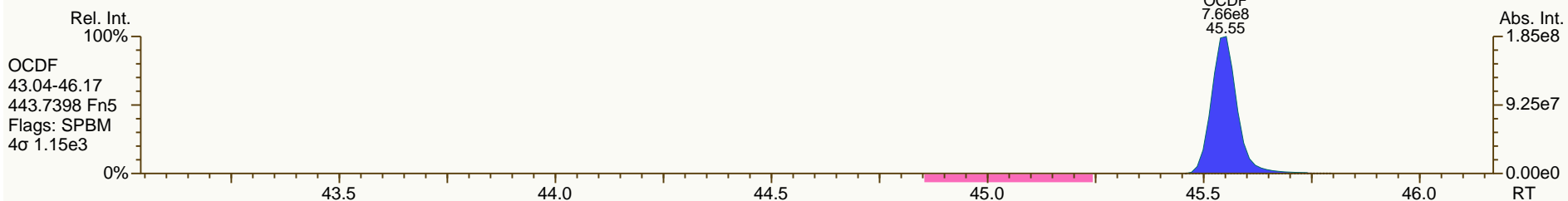
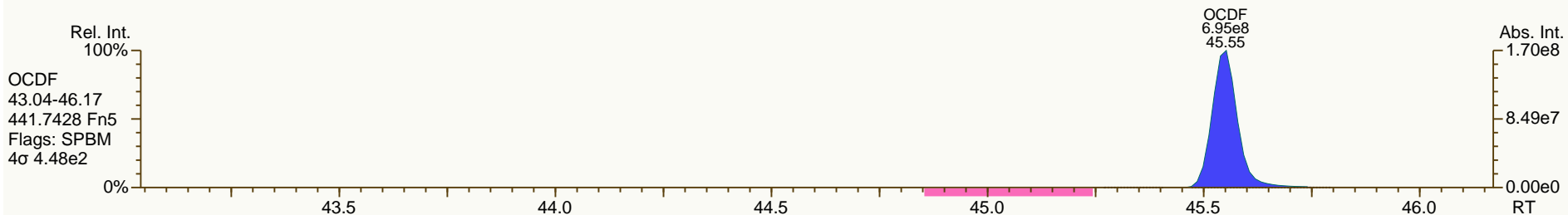


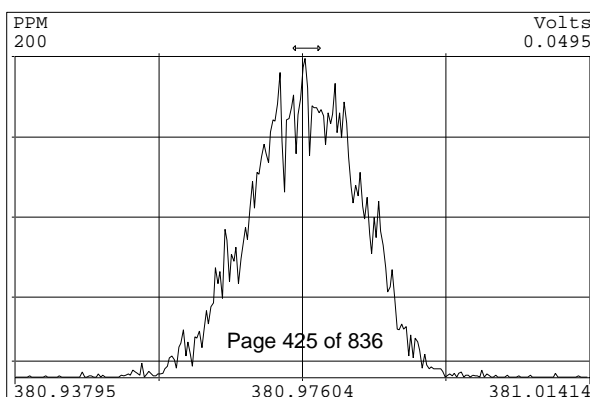
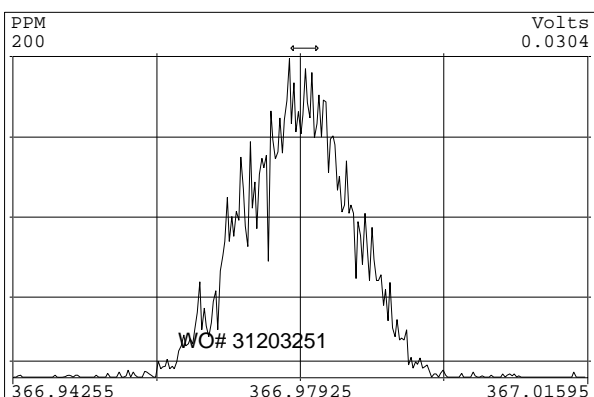
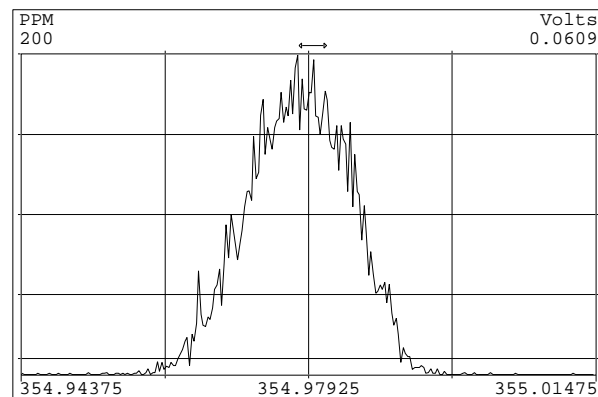
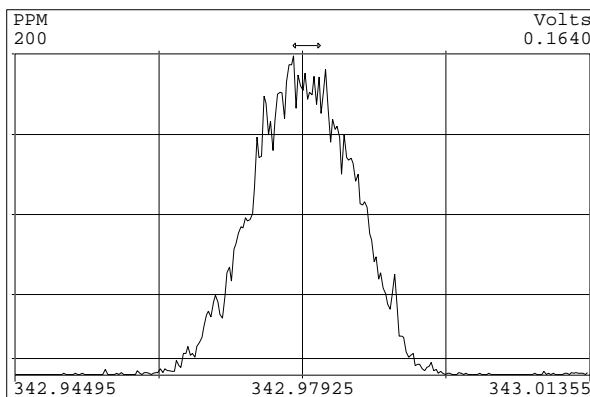
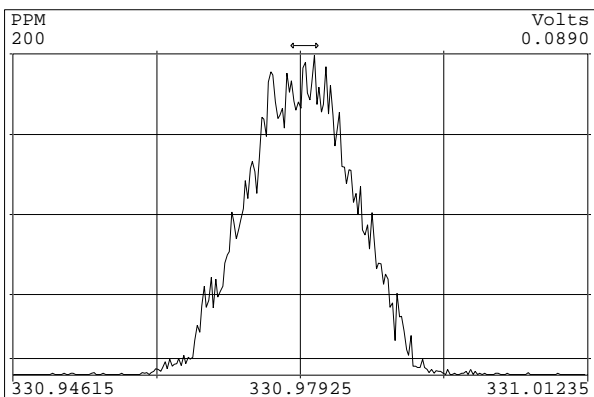
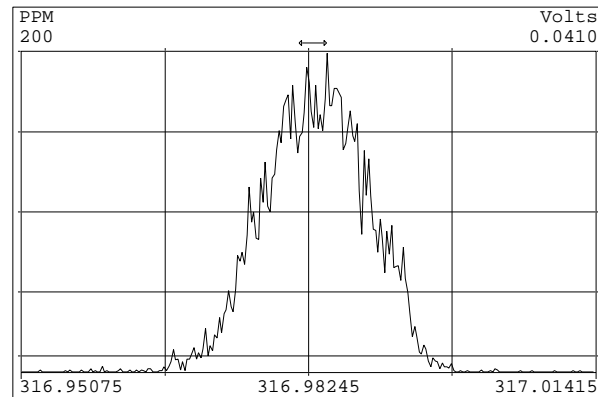
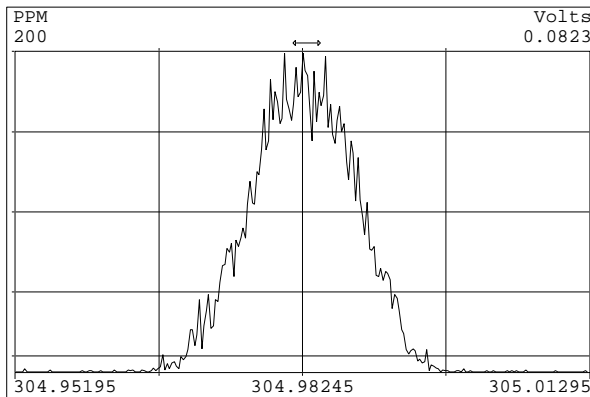
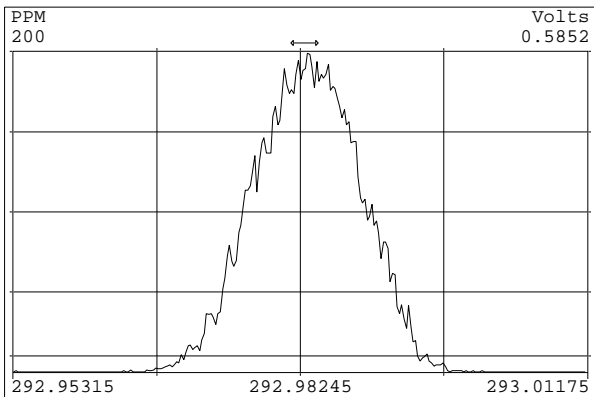


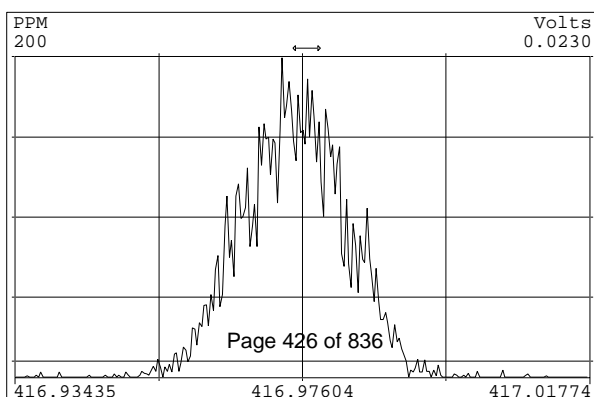
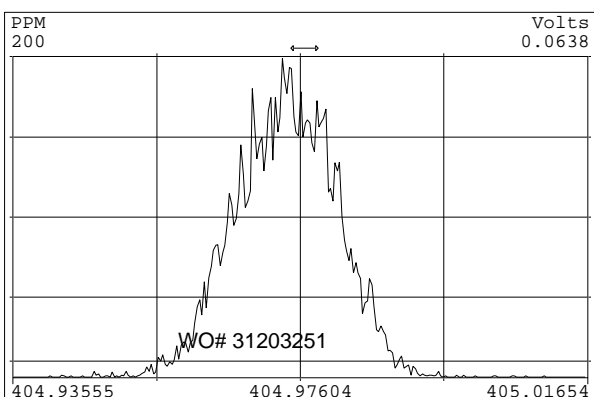
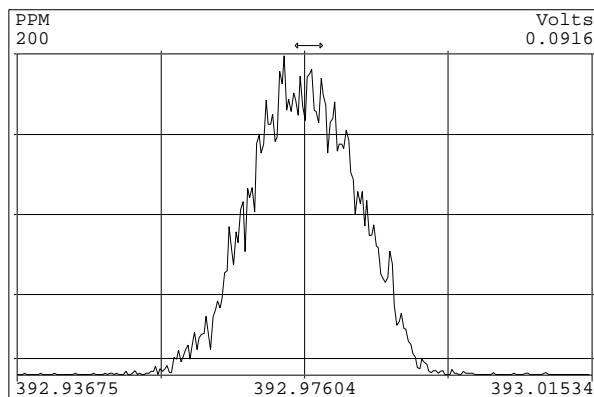
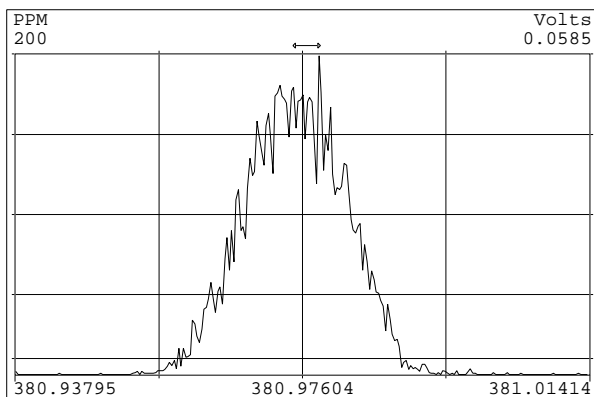
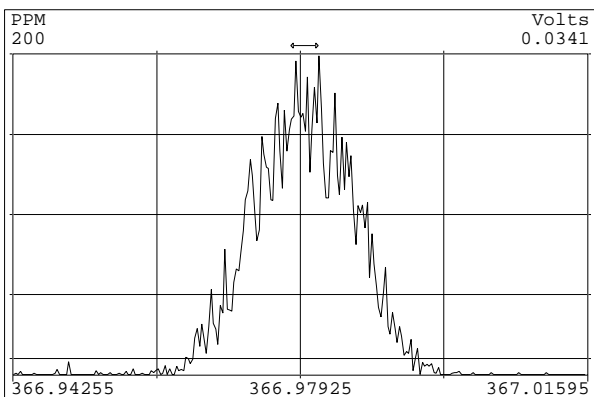
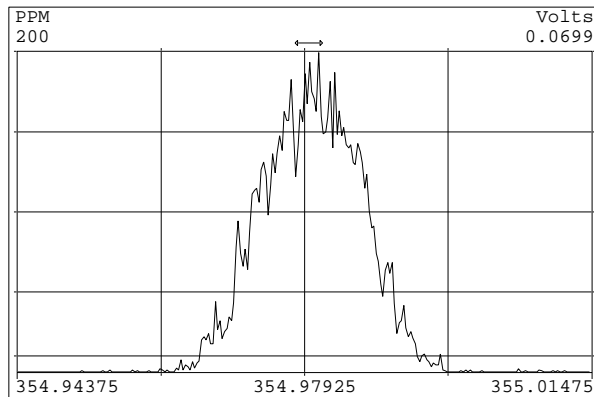
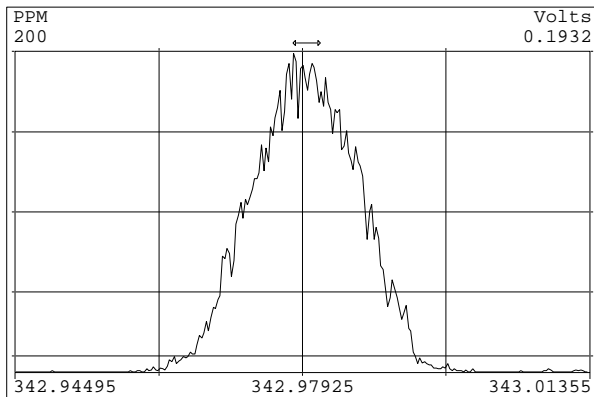
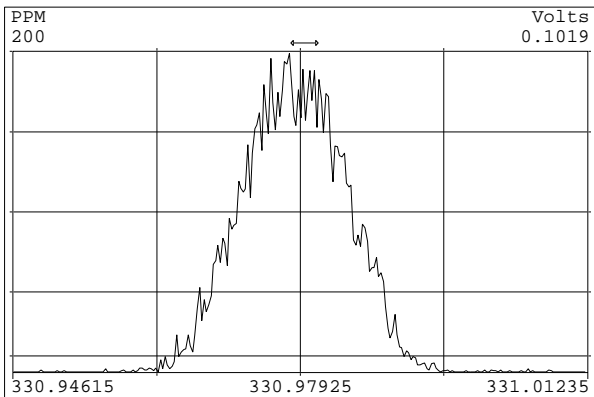


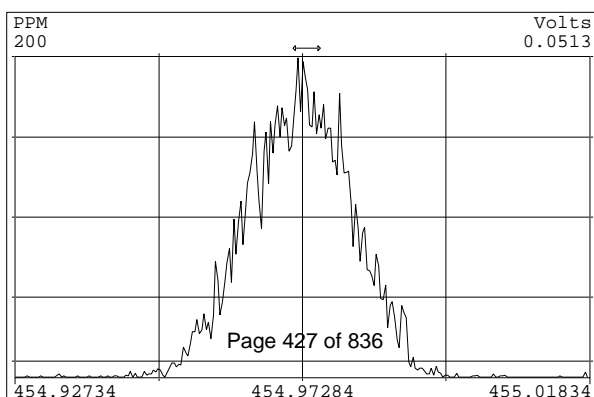
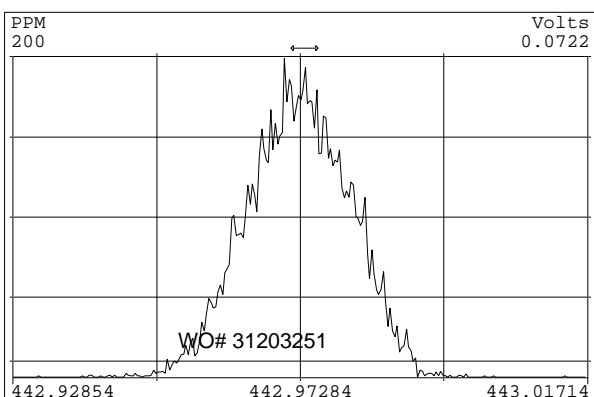
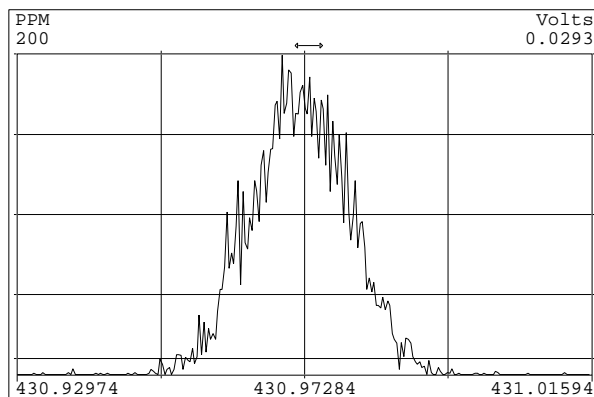
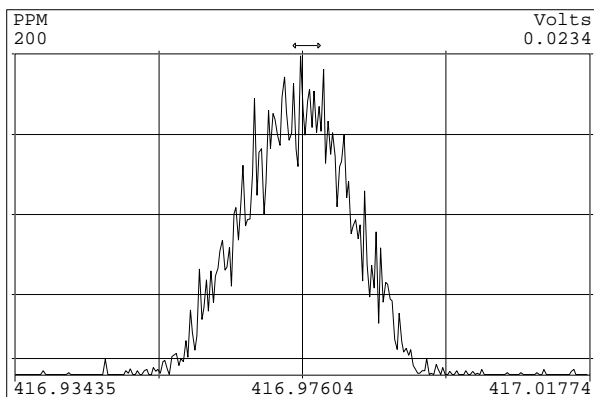
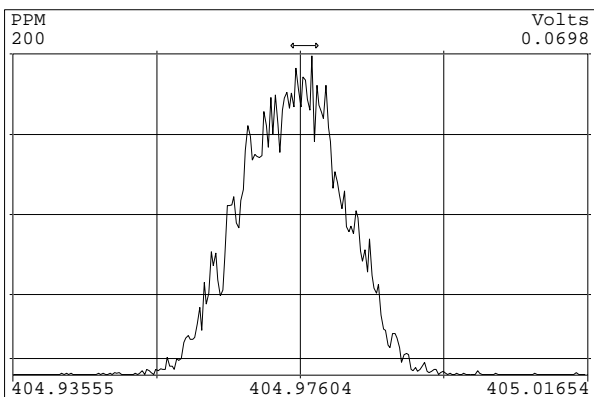
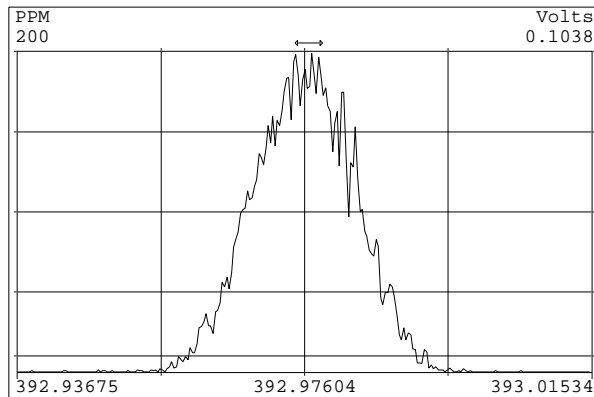
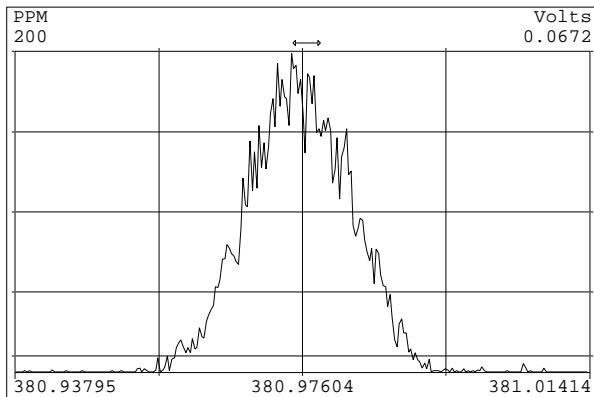
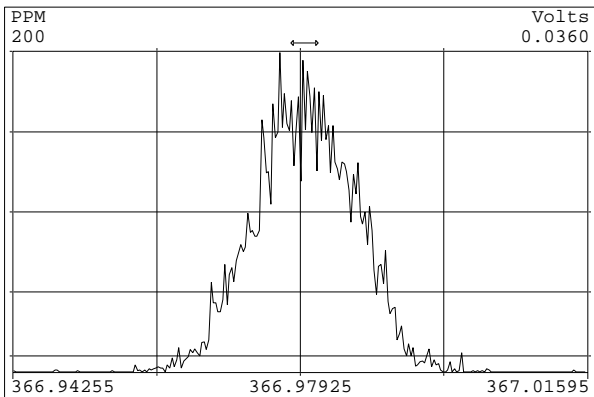


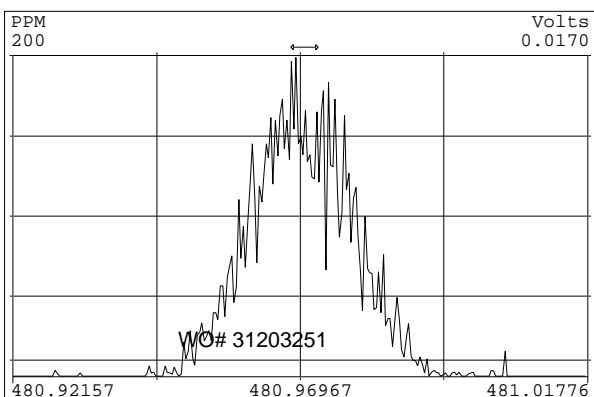
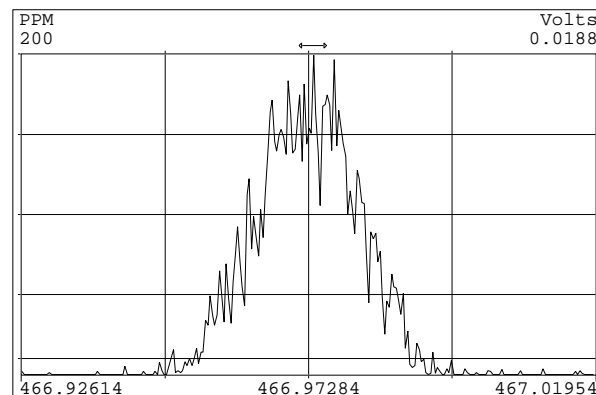
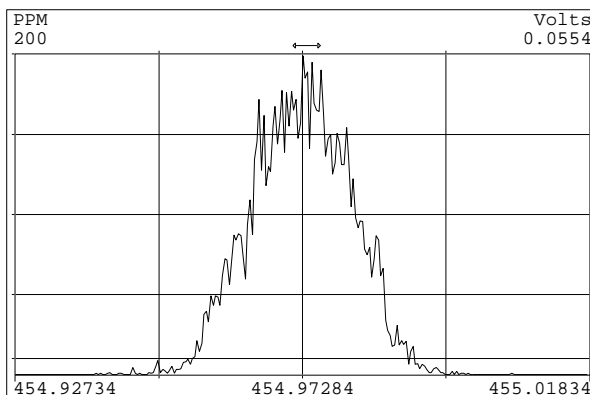
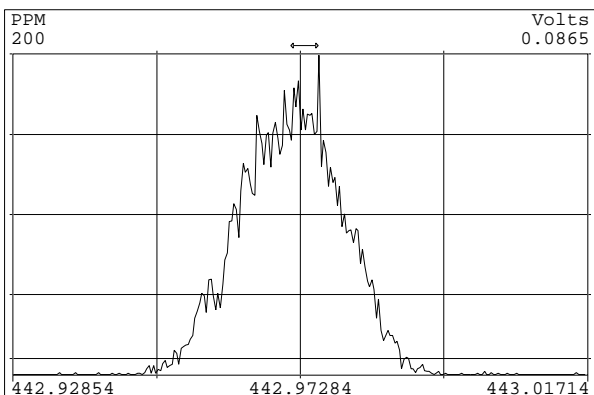
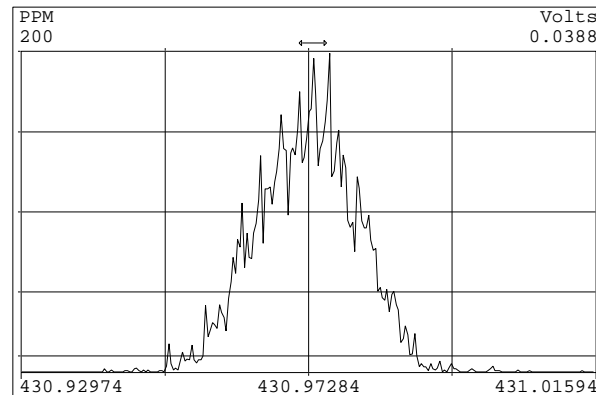
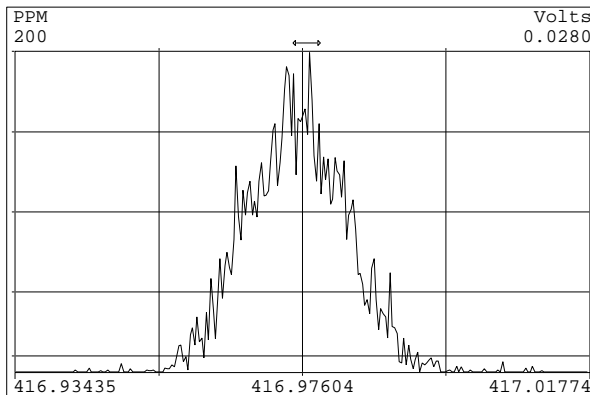
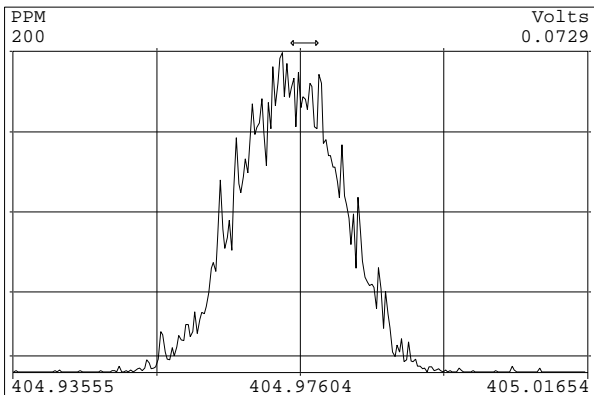


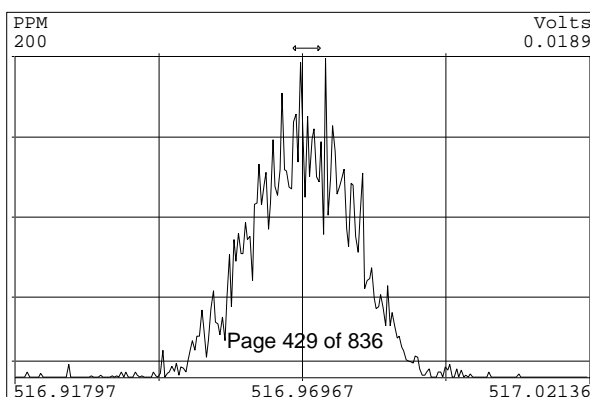
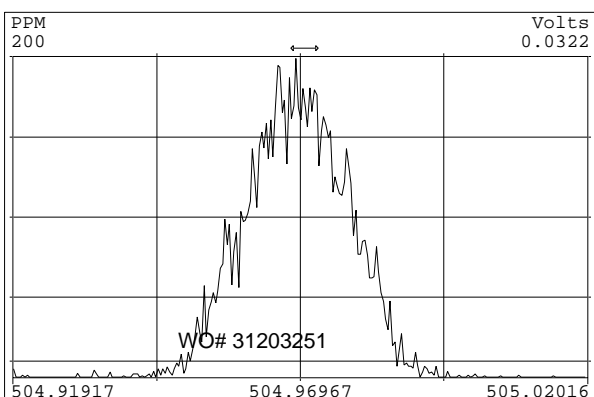
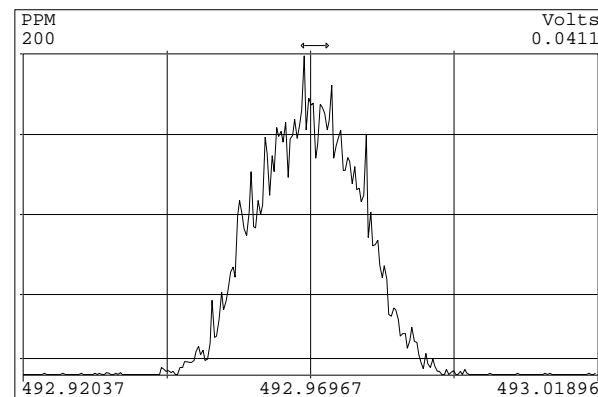
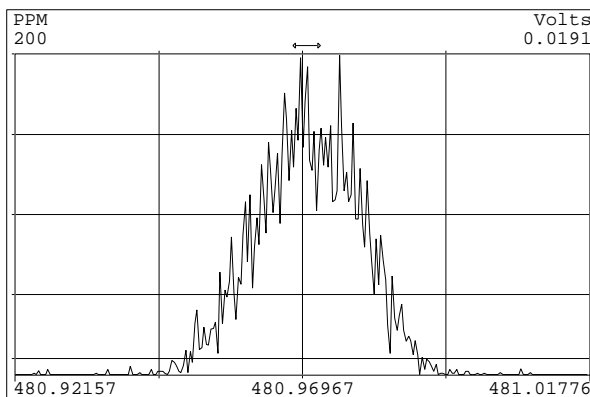
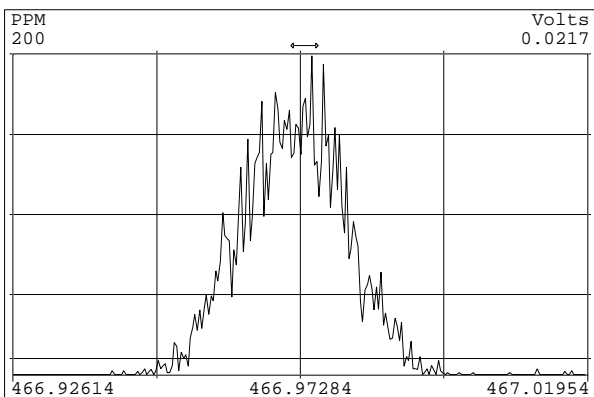
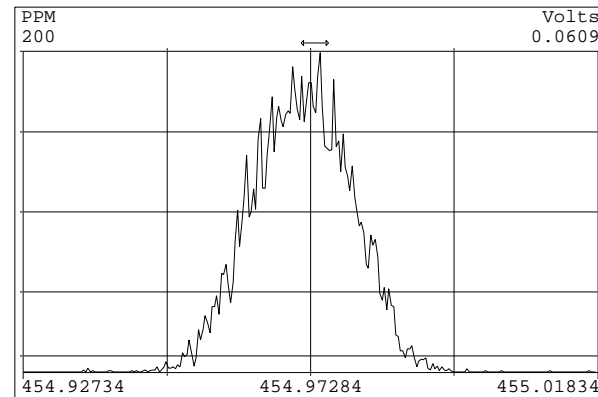
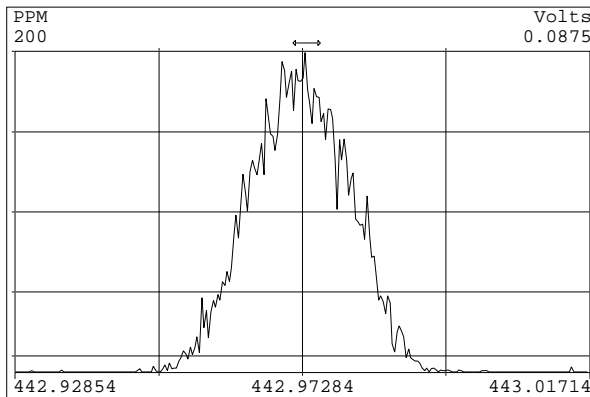
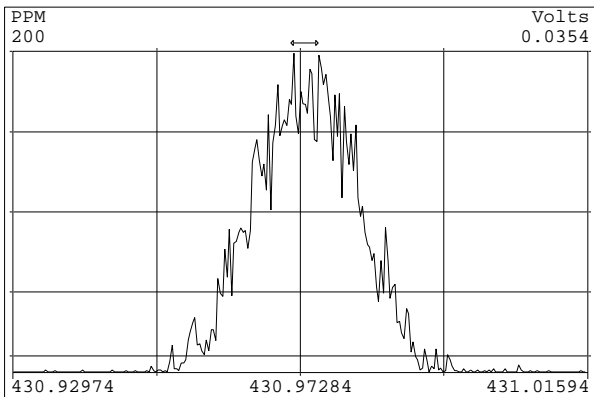


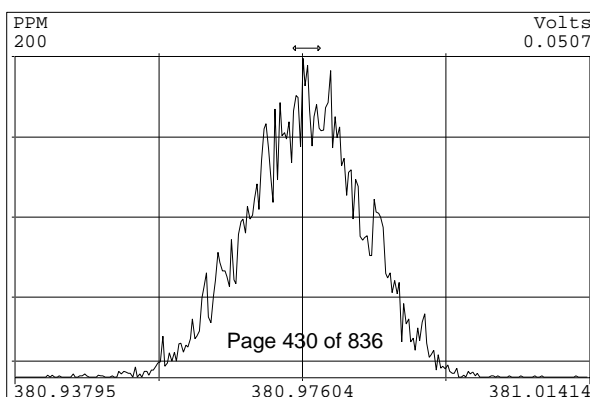
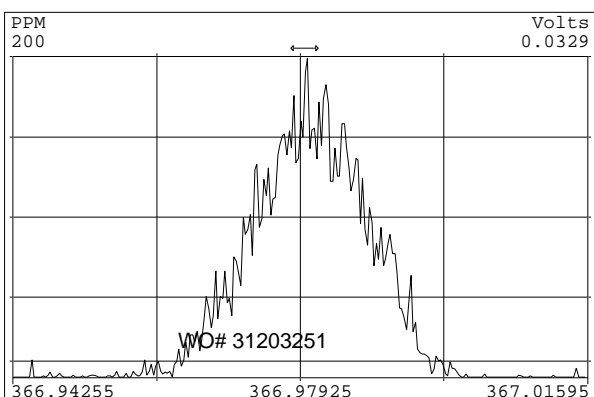
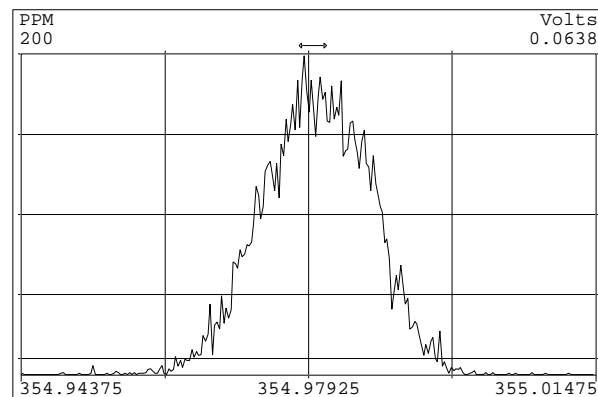
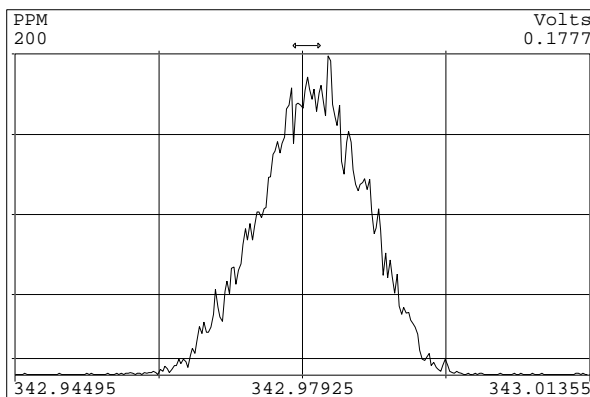
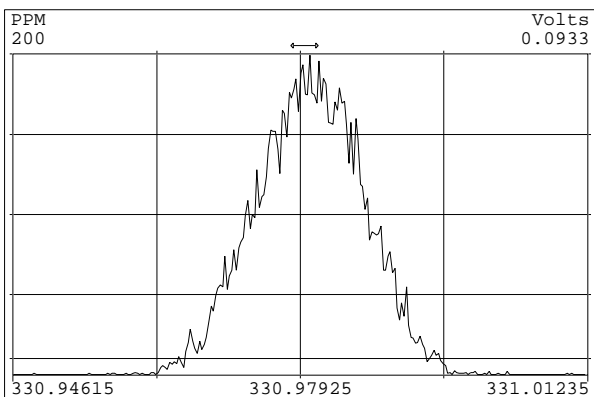
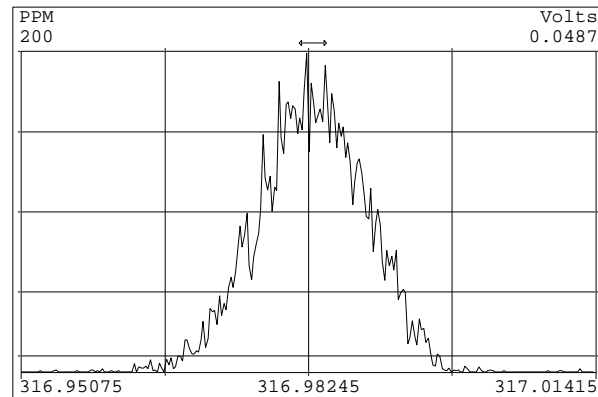
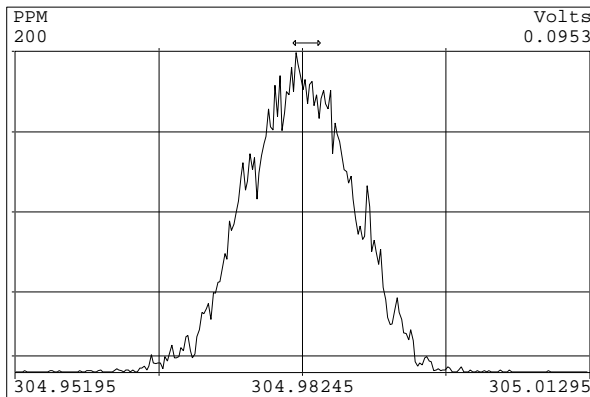
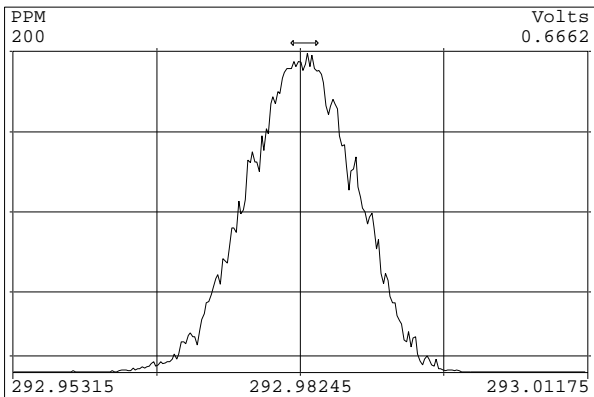


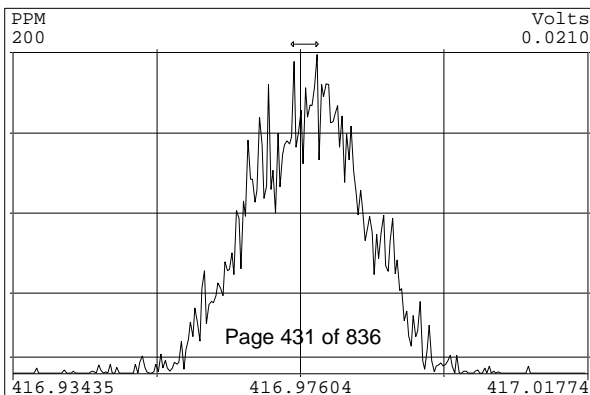
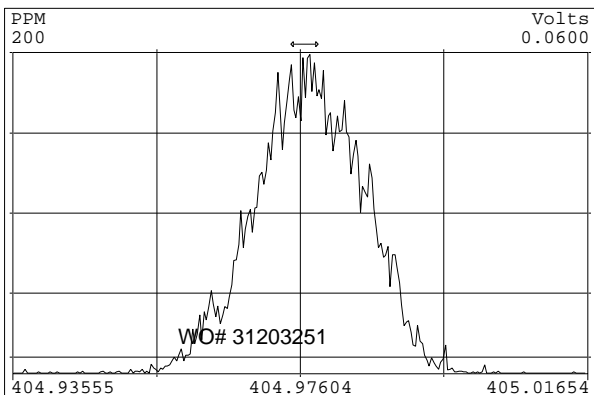
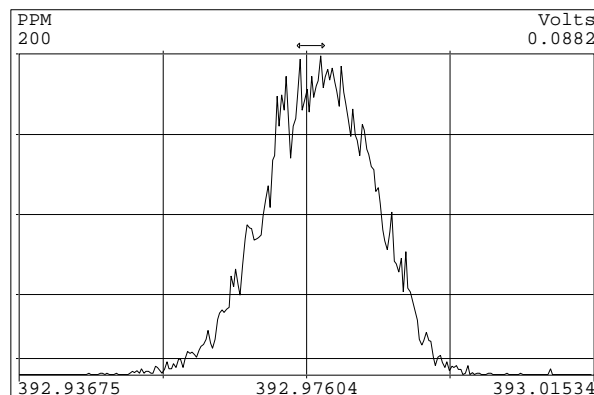
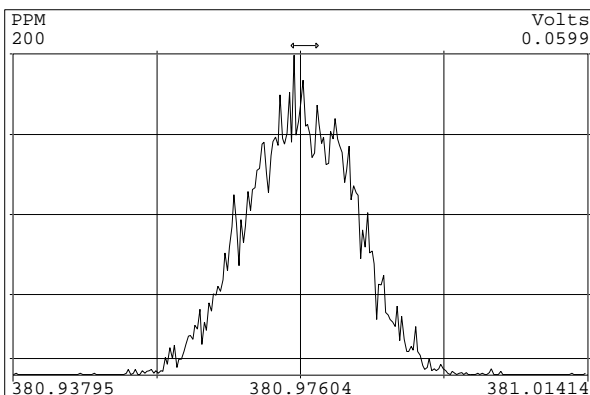
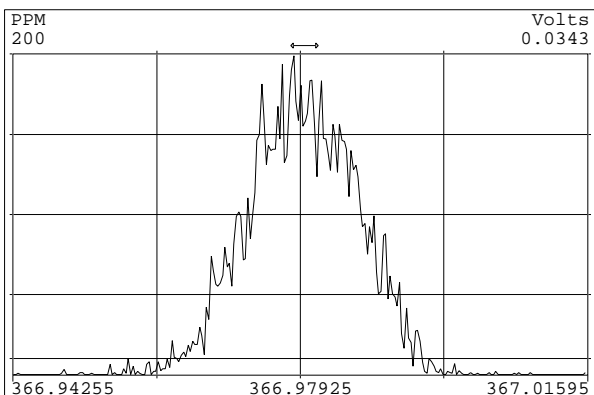
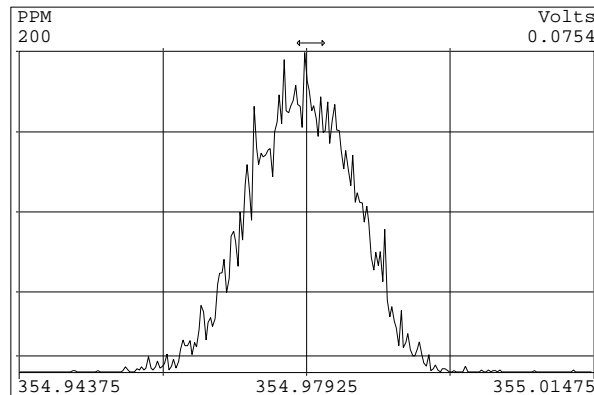
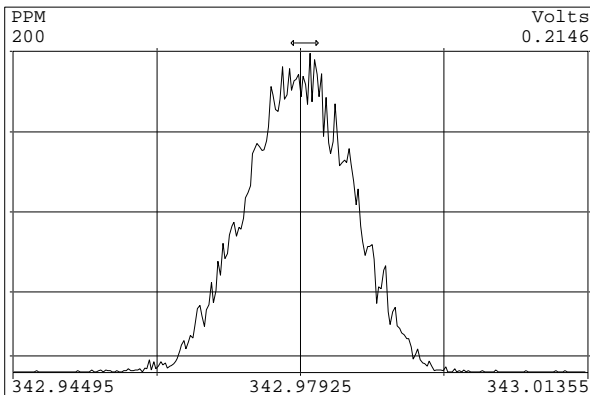
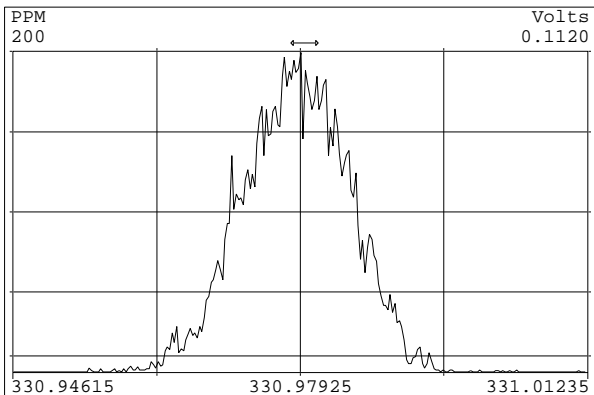


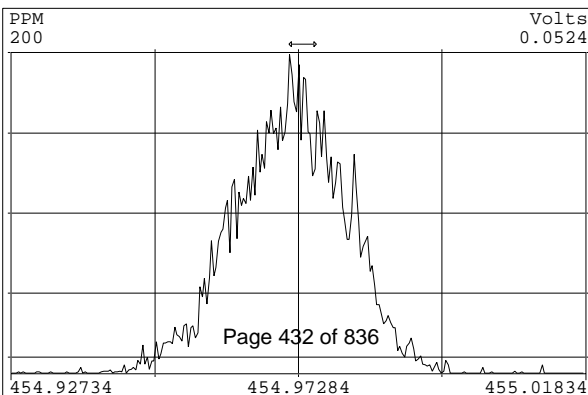
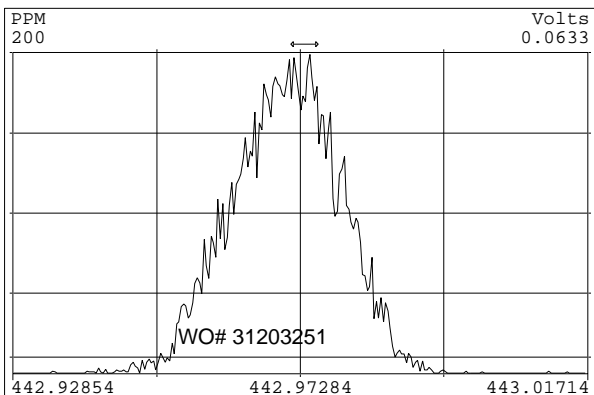
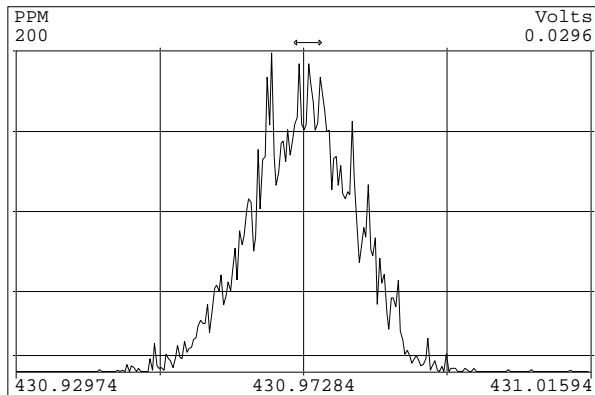
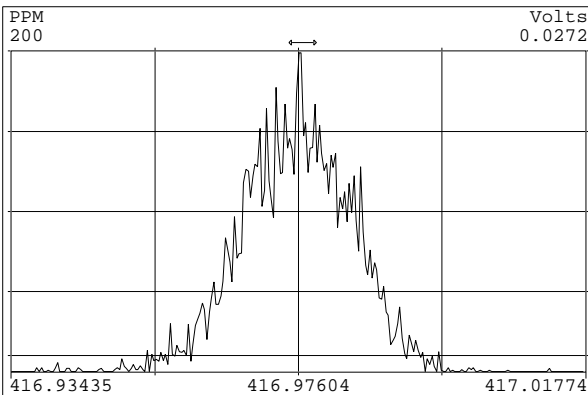
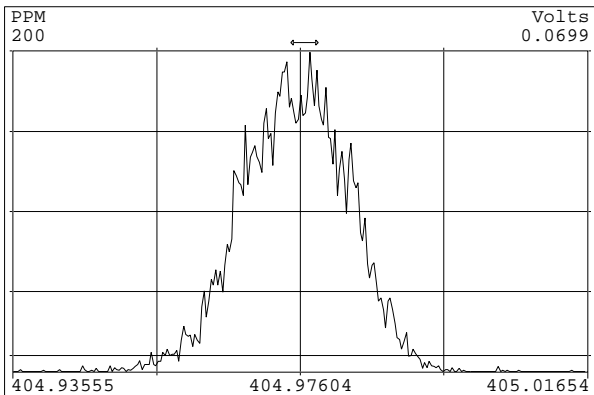
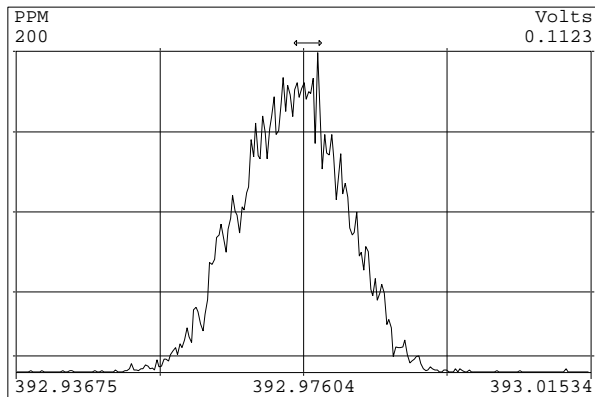
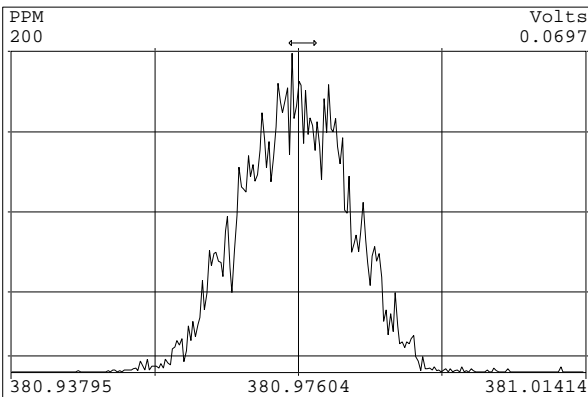
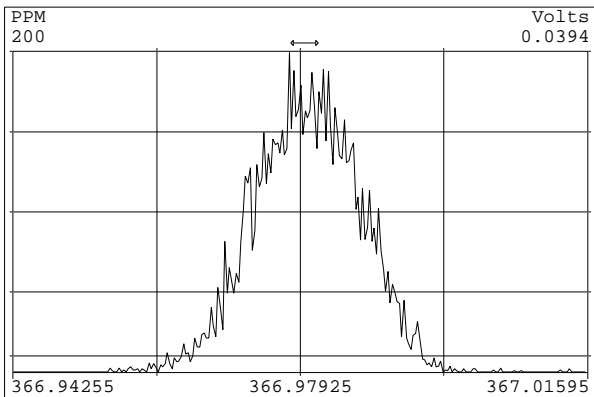


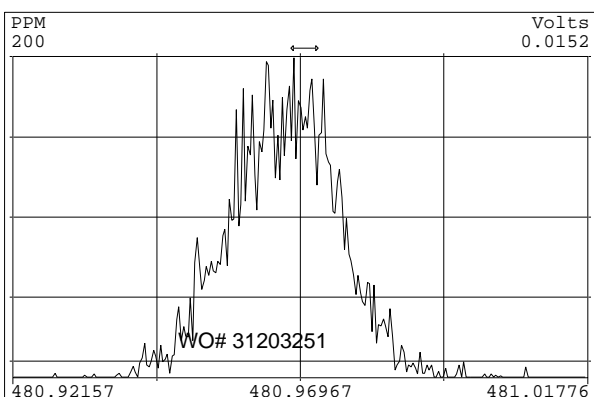
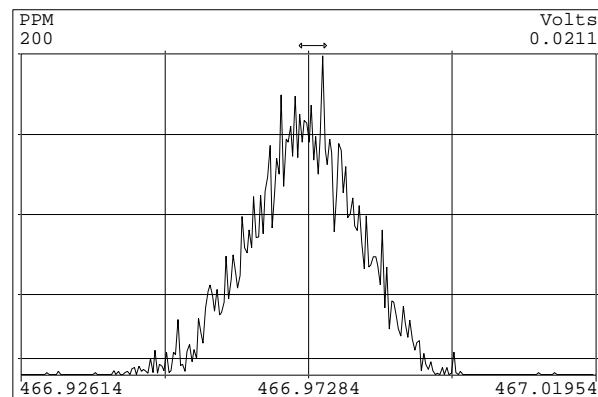
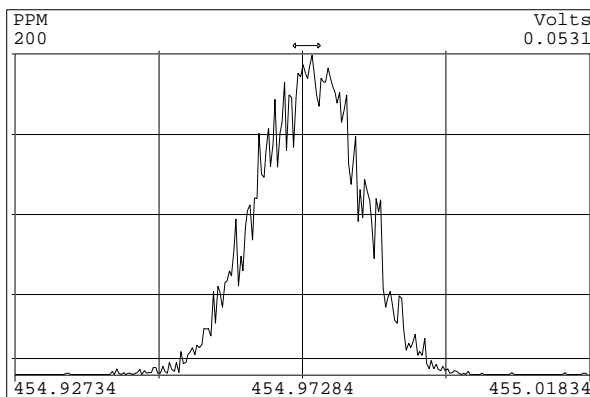
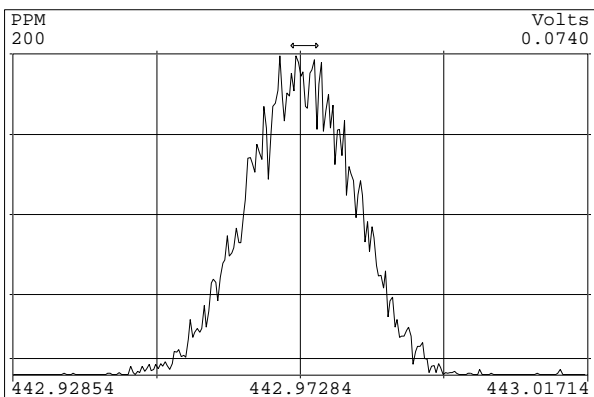
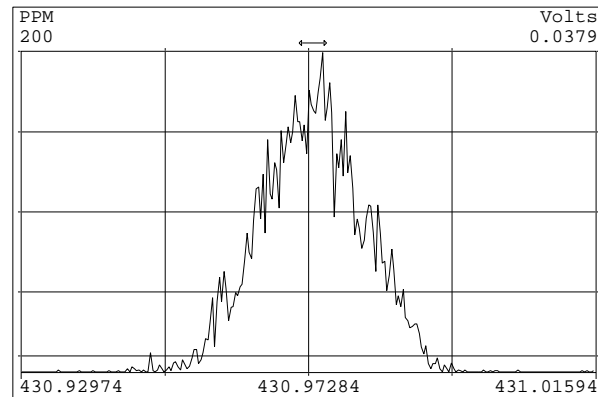
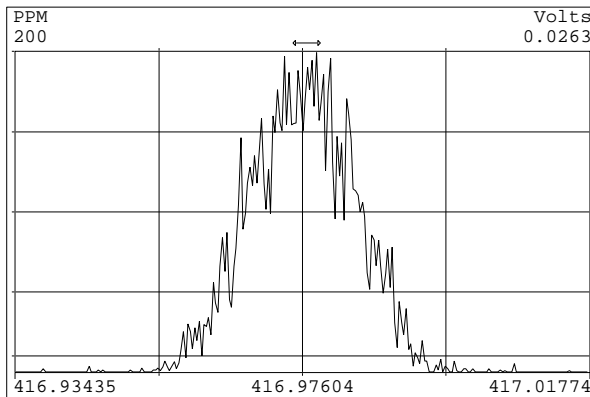
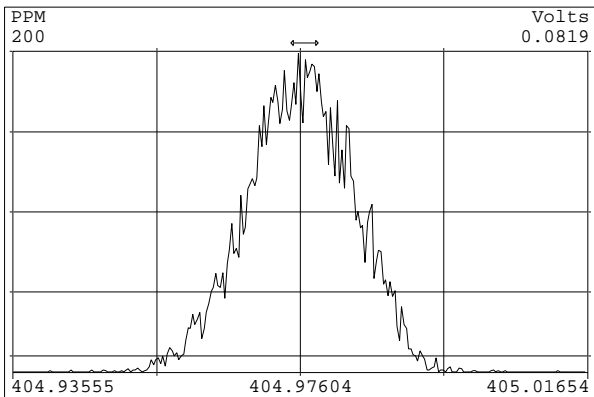


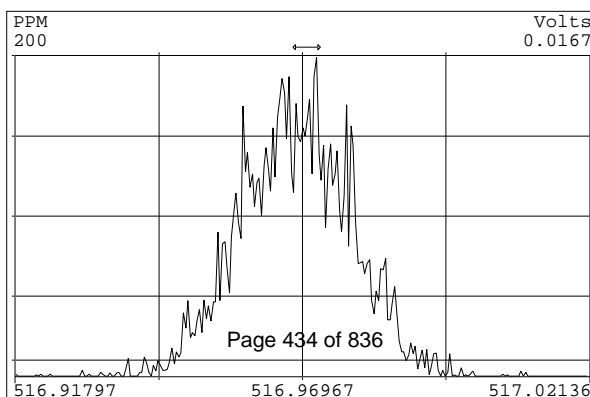
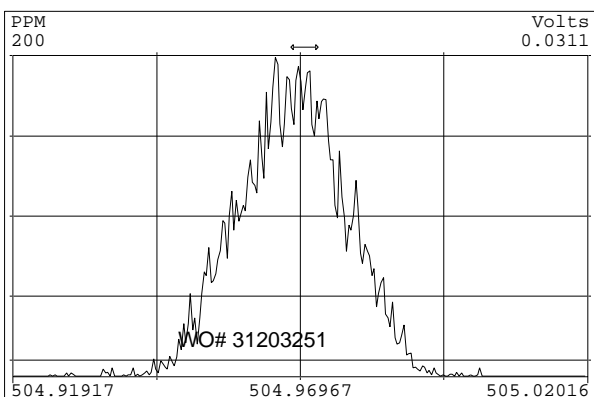
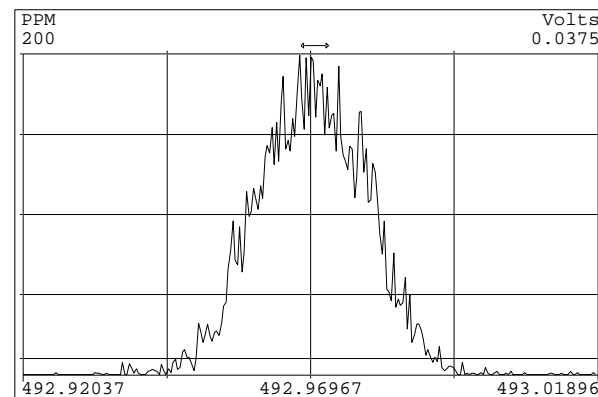
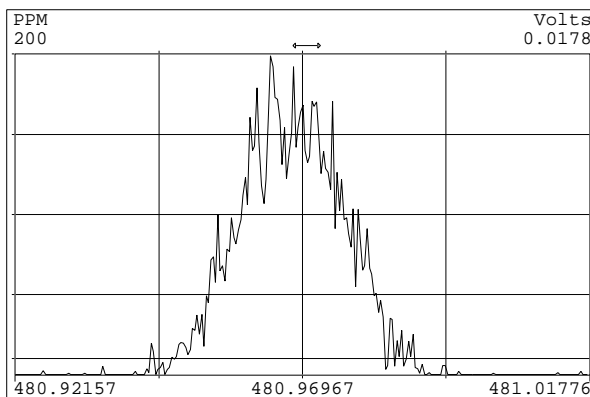
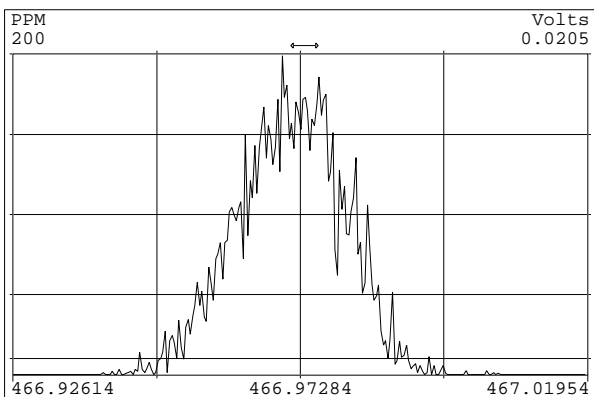
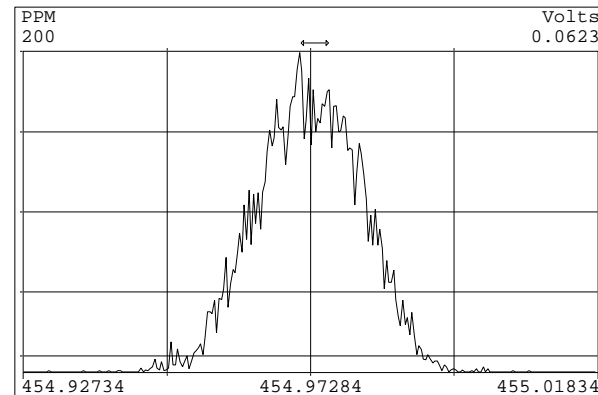
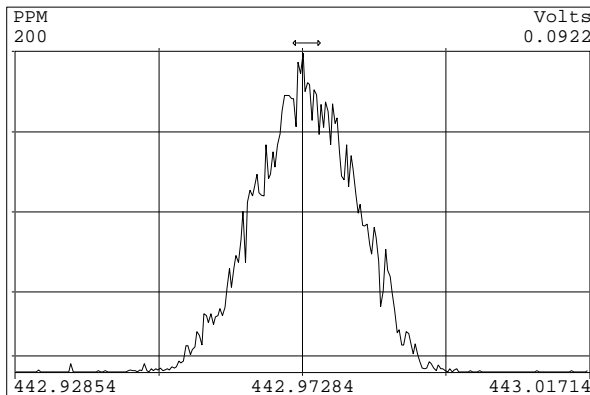
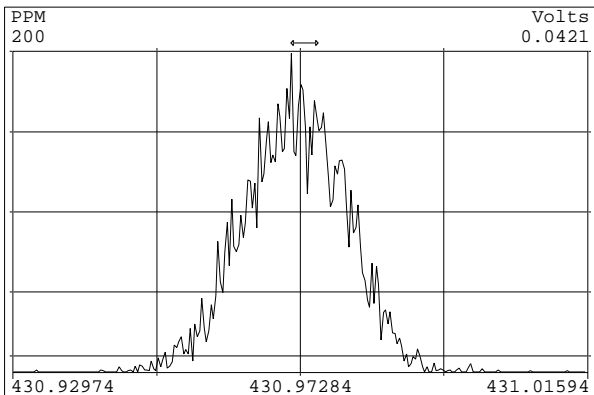












VFXMS-100212a-confirm

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\c02oct12a_Curve.SPL
Last Modified: Thursday, November 01, 2012 11:51:09 Eastern Daylight Time
Printed: Thursday, November 01, 2012 11:51:18 Eastern Daylight Time

Page 1 of 3

Page Position (1, 1)

File Name	Bottle	HRD(Batch)	Lab Sample ID	Customer Sample ID	Method	Sample Type
1 c02oct12a-1	Tray01:2	---	Solvent Blank	---	---	Analyte
2 c02oct12a-4	Tray01:5	---	CS0	---	---	Standard
3 c02oct12a-5	Tray01:6	---	CS1	---	---	Standard
4 c02oct12a-6	Tray01:7	---	CS2	---	---	Standard
5 c02oct12a-7	Tray01:8	---	CS3	---	---	Standard
6 c02oct12a-8	Tray01:9	---	CS4	---	---	Standard
7 c02oct12a-9	Tray01:10	---	CS5	---	---	Standard
8 c02oct12a-10	Tray01:11	---	CS6	---	---	Standard

Rev. mm 11/1/12

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\c02oct12a_Curve.SPL
Last Modified: Thursday, November 01, 2012 11:51:09 Eastern Daylight Time
Printed: Thursday, November 01, 2012 11:51:18 Eastern Daylight Time

Page 2 of 3

Page Position (2, 1)

MS File	Inlet File	Experiment	Conditions	Process	Process Options
Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	ResolutionCheck	c:\res_dbdiox.dat
Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	---	---
Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	---	---
Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	---	---
Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	---	---
Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	---	---
Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	---	---
Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	Dx_VF-XMS_Tetradecane_AP	Dx_VF-XMS	---	---

Sample List Report**MassLynx 4.1**

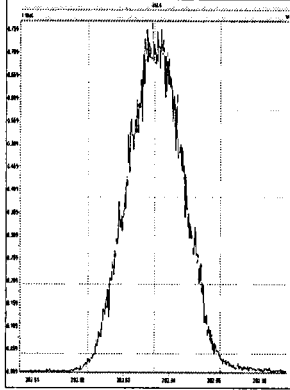
Sample List: C:\MassLynx\Default.pro\Sampledb\c02oct12a_Curve.SPL
Last Modified: Thursday, November 01, 2012 11:51:09 Eastern Daylight Time
Printed: Thursday, November 01, 2012 11:51:18 Eastern Daylight Time

Page 3 of 3

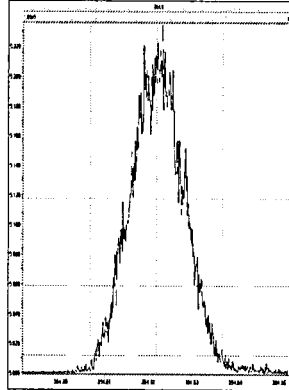
Page Position (3, 1)

Ax Conc.	ES Conc.	CS Conc.	JS Conc.	User	Instrument
.25	100	100	100	JHL	HRMS3
.25	100	100	100	JHL	HRMS3
.5	100	100	100	JHL	HRMS3
2	100	100	100	JHL	HRMS3
10	100	100	100	JHL	HRMS3
40	100	100	100	JHL	HRMS3
200	100	100	100	JHL	HRMS3
500	100	100	100	JHL	HRMS3

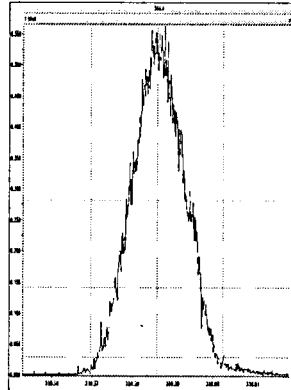
M 292.9824 R 10756



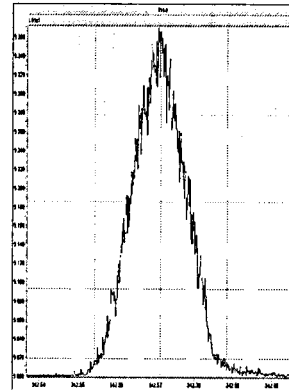
M 304.9824 R 11290



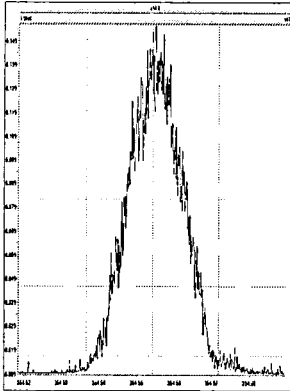
M 330.9792 R 10988



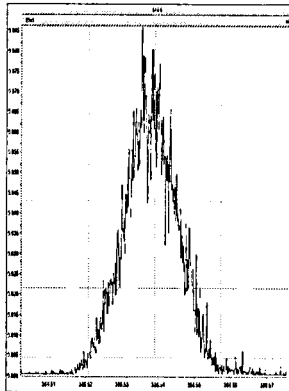
M 342.9792 R 11063



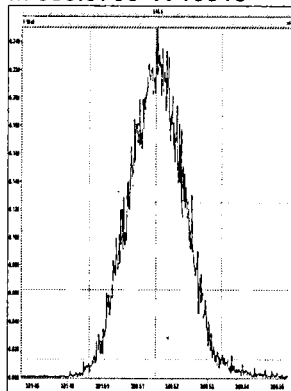
M 354.9792 R 11633



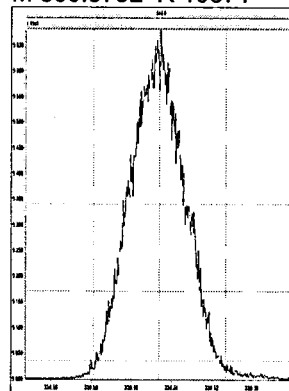
M 366.9792 R 10897



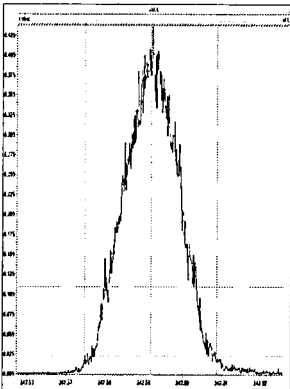
M 380.9760 R 10918



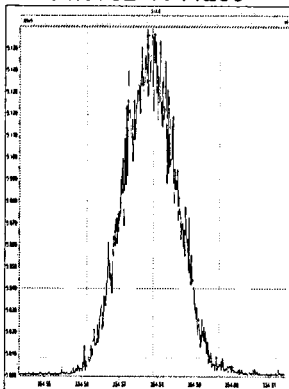
M 330.9792 R 10571



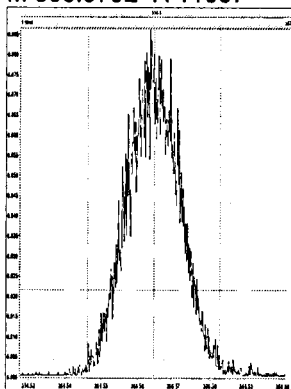
M 342.9792 R 10941



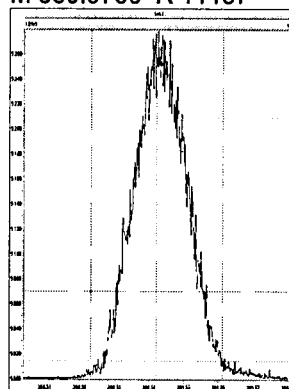
M 354.9792 R 11286



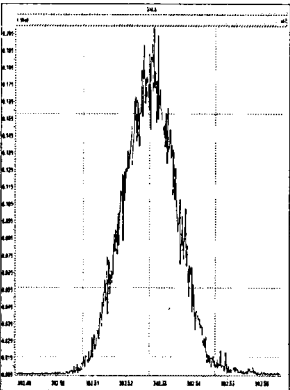
M 366.9792 R 11067



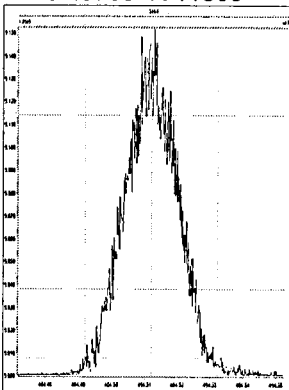
M 380.9760 R 11137



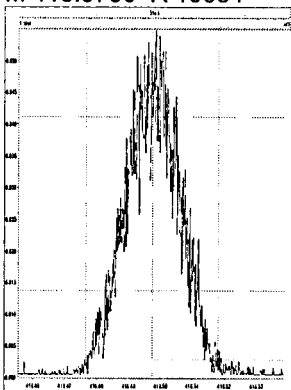
M 392.9760 R 11521



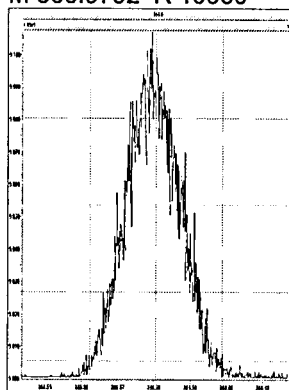
M 404.9760 R 11560



M 416.9760 R 10684

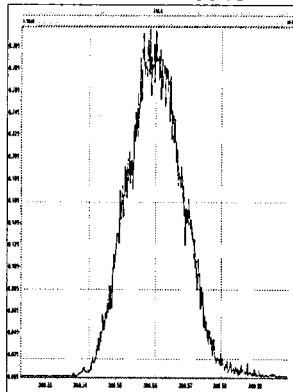


M 366.9792 R 10930

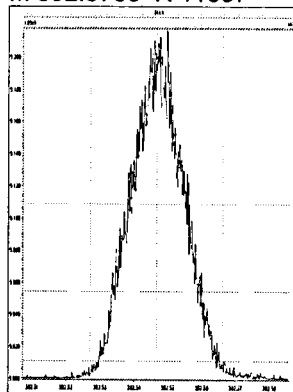


Printed: Tuesday, October 02, 2012 10:36:18 Eastern Daylight Time

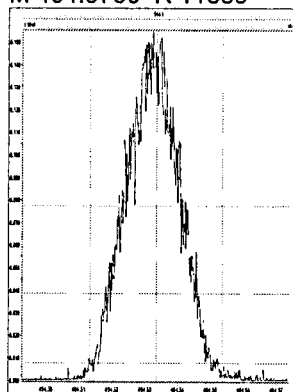
M 380.9760 R 10940



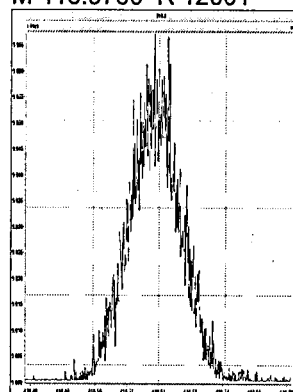
M 392.9760 R 11337



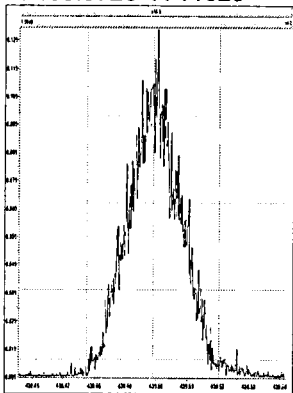
M 404.9760 R 11389



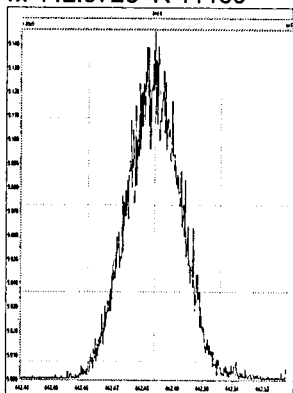
M 416.9760 R 12001



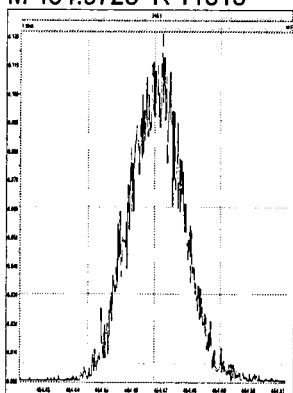
M 430.9728 R 11629



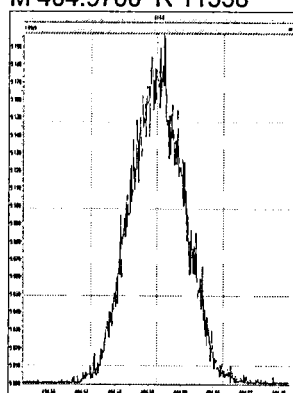
M 442.9728 R 11160



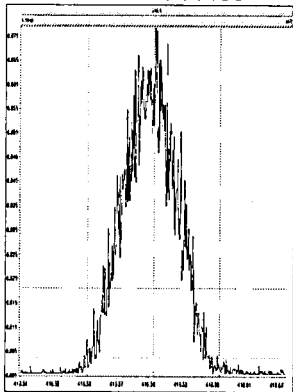
M 454.9728 R 11315



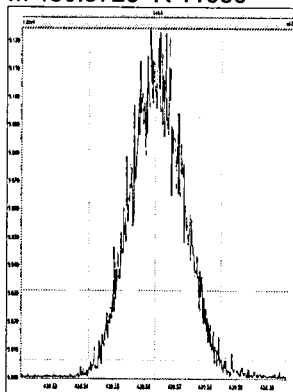
M 404.9760 R 11338



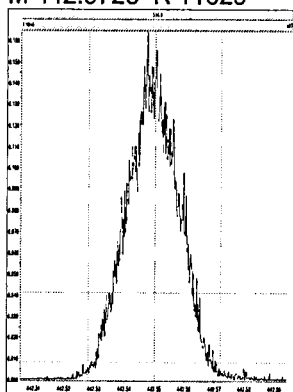
M 416.9760 R 11499



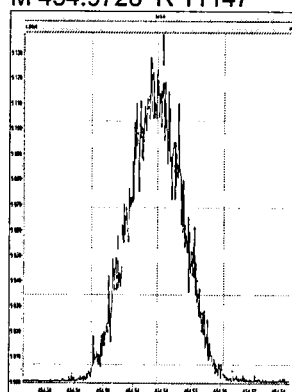
M 430.9728 R 11086



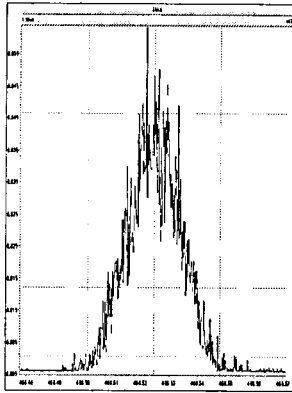
M 442.9728 R 11629



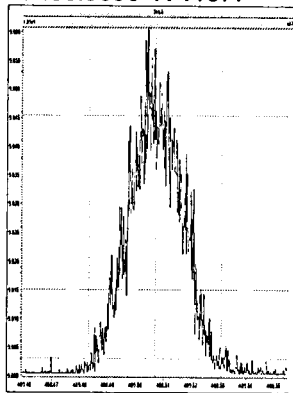
M 454.9728 R 11147



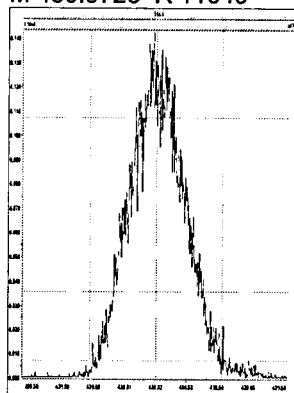
M 466.9728 R 11820



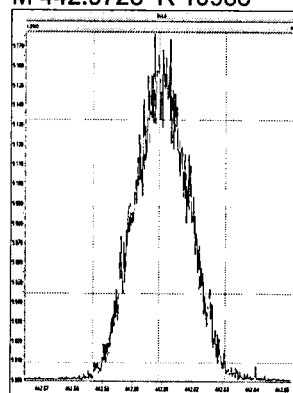
M 480.9696 R 11677



M 430.9728 R 11049

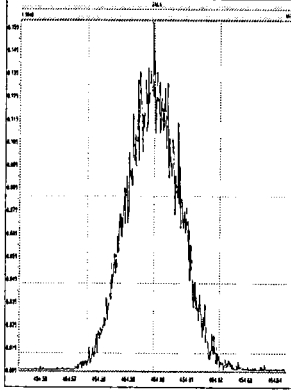


M 442.9728 R 10988

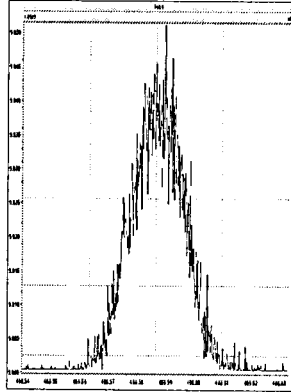


Printed: Tuesday, October 02, 2012 10:36:18 Eastern Daylight Time

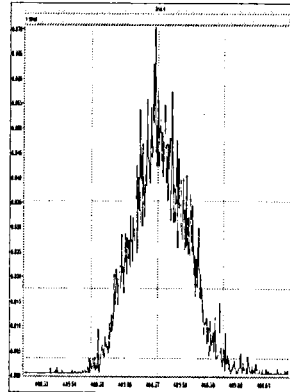
M 454.9728 R 11550



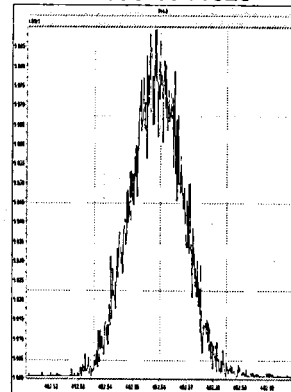
M 466.9728 R 11709



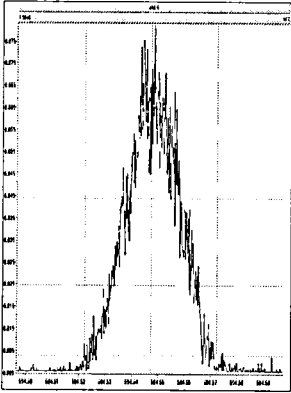
M 480.9696 R 11218



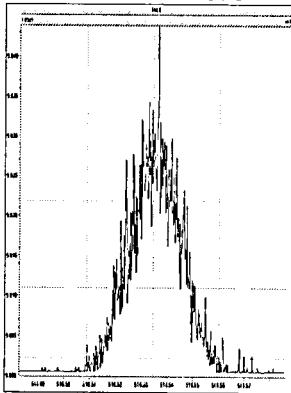
M 492.9696 R 11628



M 504.9696 R 11937



M 516.9697 R 12376

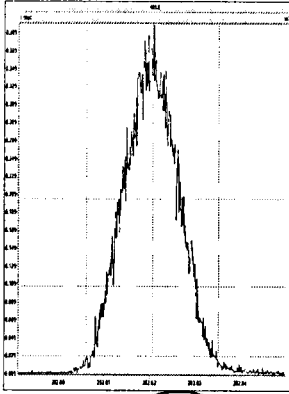


Resolution Check Report

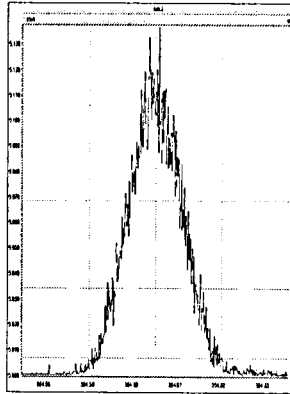
MassLynx 4.1

Printed: Tuesday, October 02, 2012 17:15:01 Eastern Daylight Time

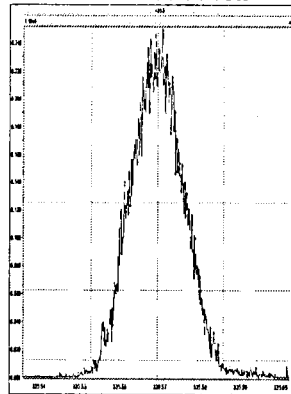
M 292.9824 R 10825



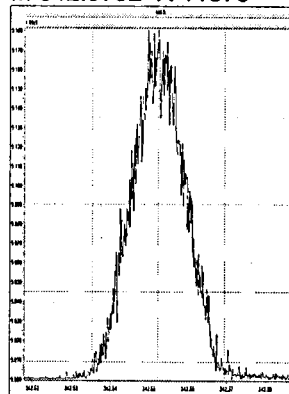
M 304.9824 R 11112



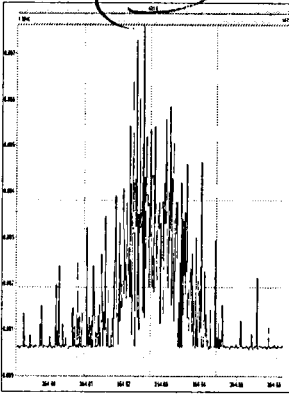
M 330.9792 R 11402



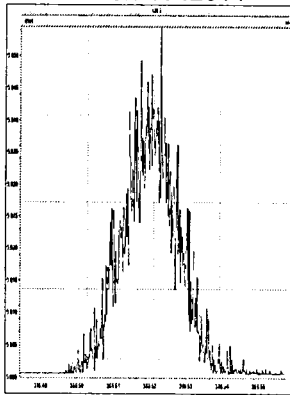
M 342.9792 R 11576



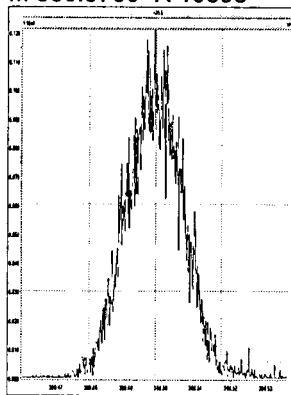
M 354.9792 R 0



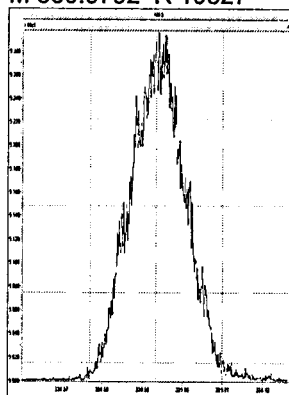
M 366.9792 R 12014



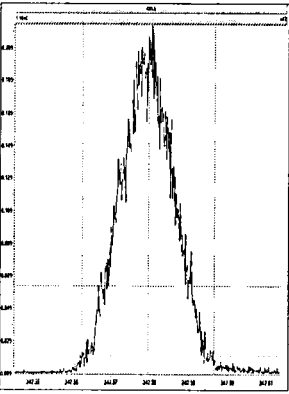
M 380.9760 R 10893



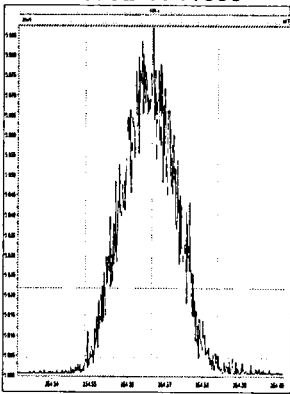
M 330.9792 R 10827



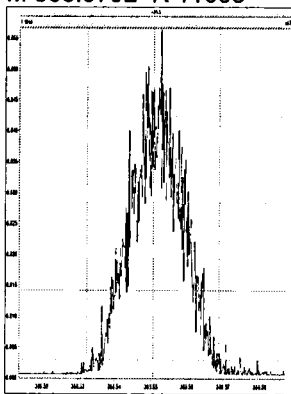
M 342.9792 R 11214



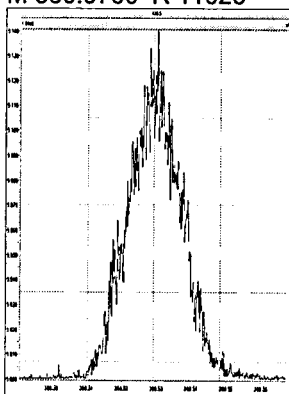
M 354.9792 R 11659



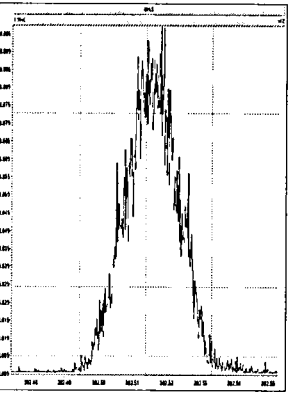
M 366.9792 R 11655



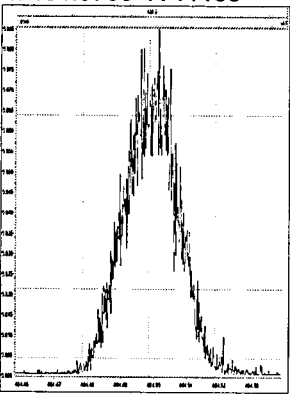
M 380.9760 R 11026



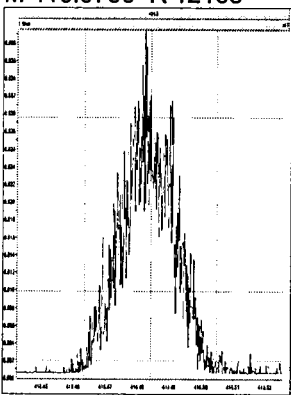
M 392.9760 R 11601



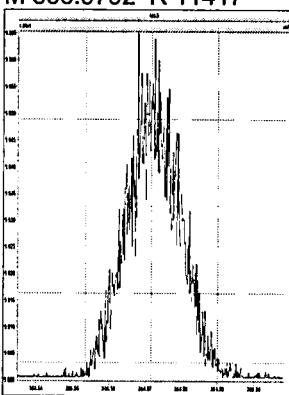
M 404.9760 R 11186



M 416.9760 R 12168

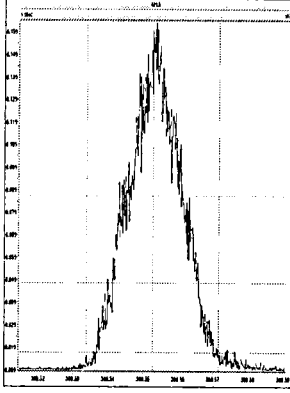


M 366.9792 R 11417

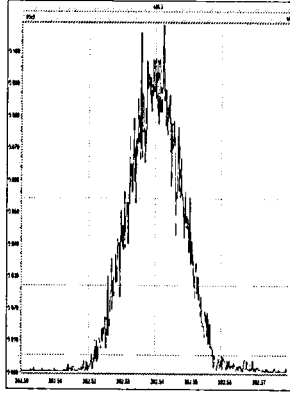


Printed: Tuesday, October 02, 2012 17:15:01 Eastern Daylight Time

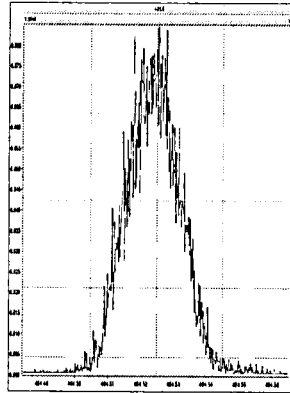
M 380.9760 R 11338



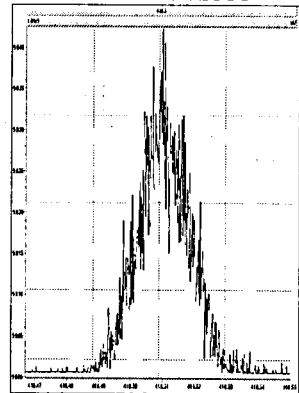
M 392.9760 R 11921



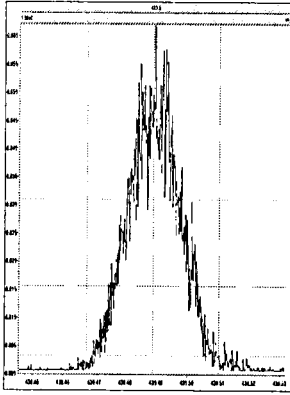
M 404.9760 R 11499



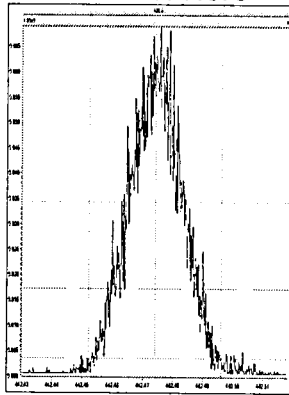
M 416.9760 R 12533



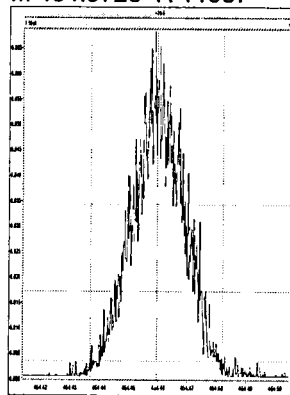
M 430.9728 R 12048



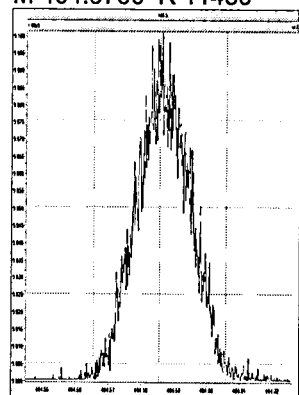
M 442.9728 R 11576



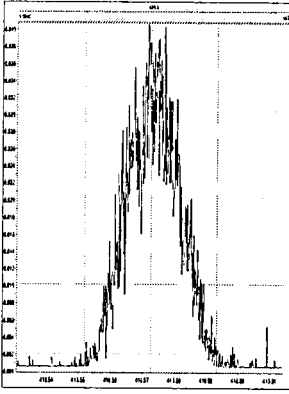
M 454.9728 R 11957



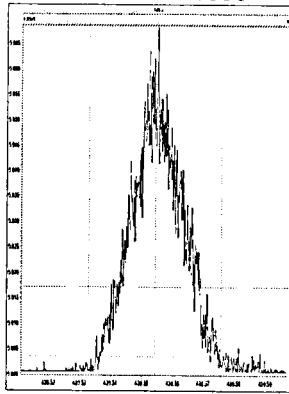
M 404.9760 R 11430



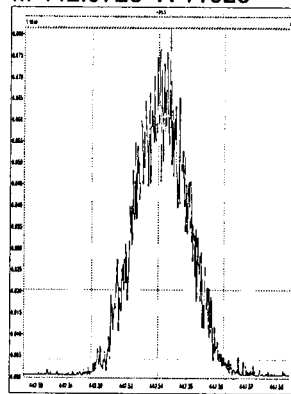
M 416.9760 R 11476



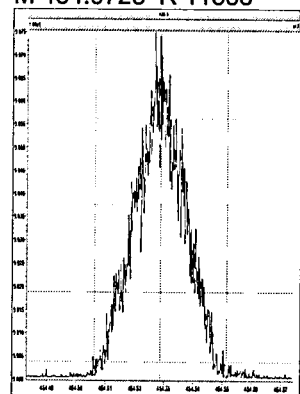
M 430.9728 R 11536



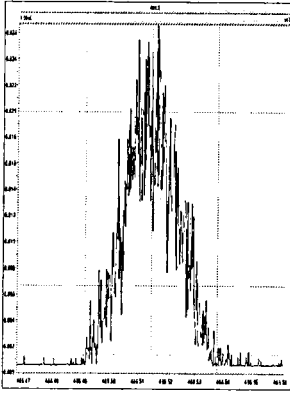
M 442.9728 R 11628



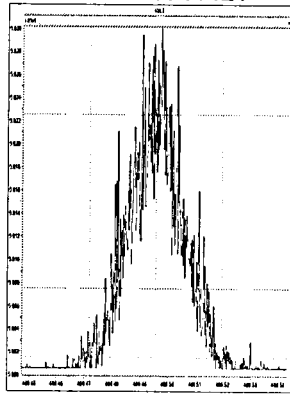
M 454.9728 R 11585



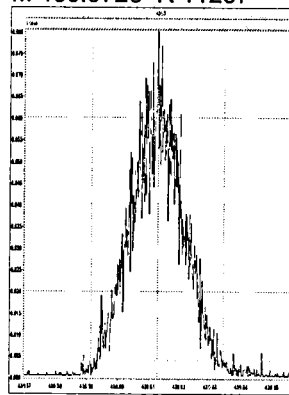
M 466.9728 R 11860



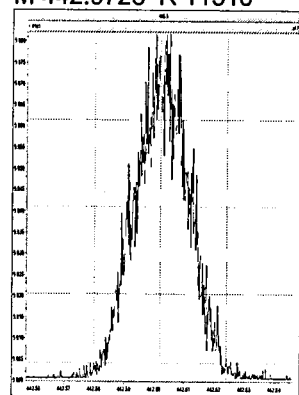
M 480.9696 R 11421



M 430.9728 R 11237

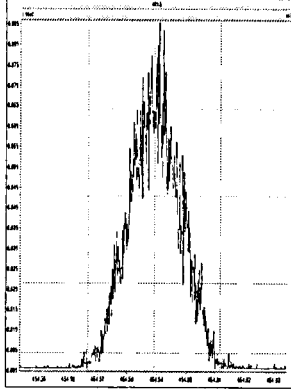


M 442.9728 R 11516

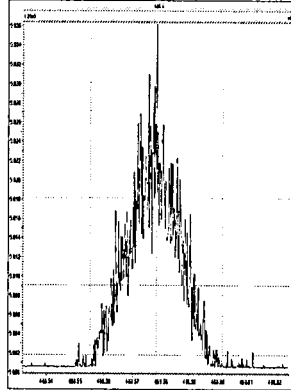


Printed: Tuesday, October 02, 2012 17:15:01 Eastern Daylight Time

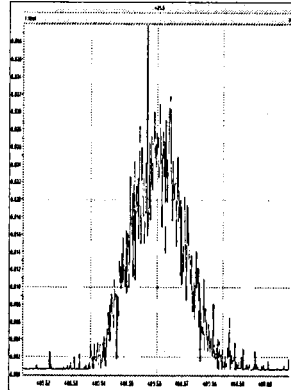
M 454.9728 R 11908



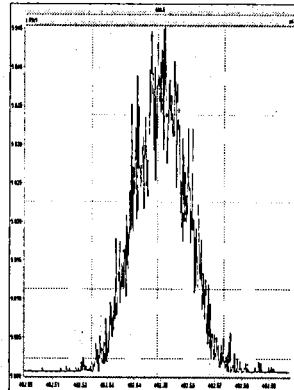
M 466.9728 R 12081



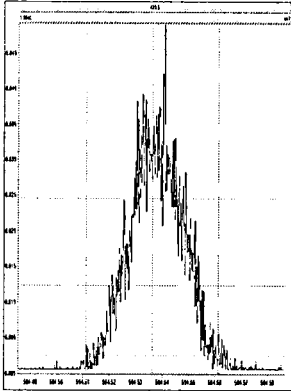
M 480.9696 R 11794



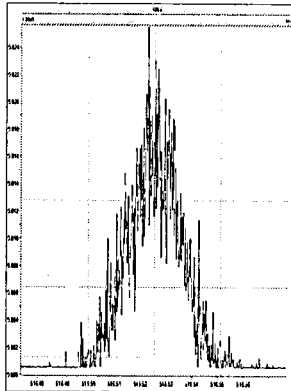
M 492.9696 R 11657



M 504.9696 R 11520

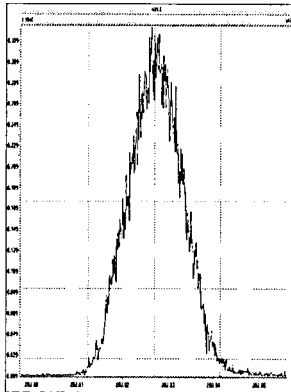


M 516.9697 R 12782

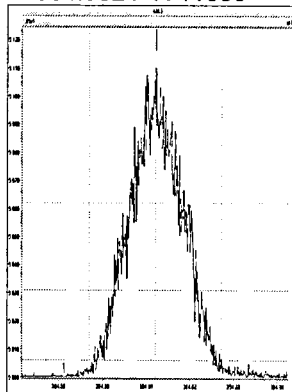


Printed: Tuesday, October 02, 2012 18:55:32 Eastern Daylight Time

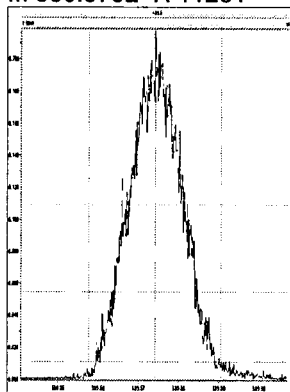
M 292.9824 R 10946



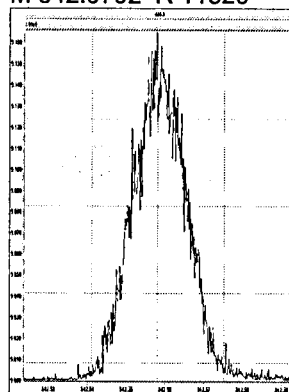
M 304.9824 R 11550



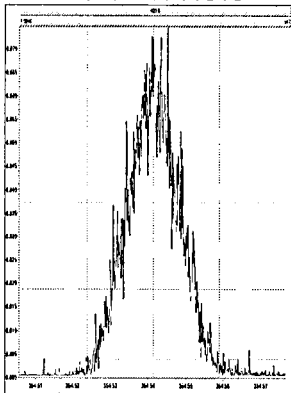
M 330.9792 R 11261



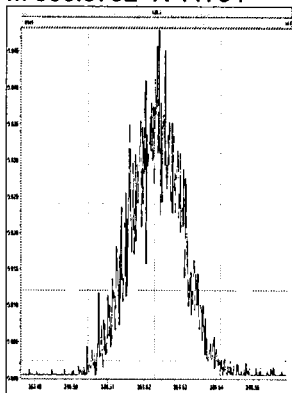
M 342.9792 R 11320



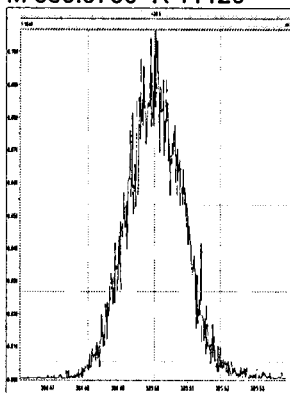
M 354.9792 R 11818



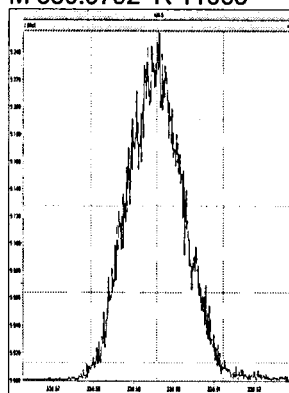
M 366.9792 R 11794



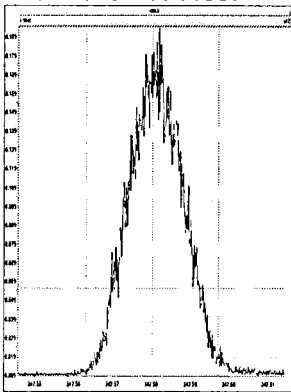
M 380.9760 R 11120



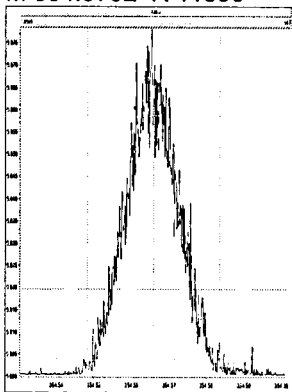
M 330.9792 R 11065



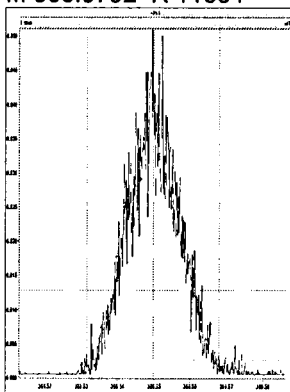
M 342.9792 R 11557



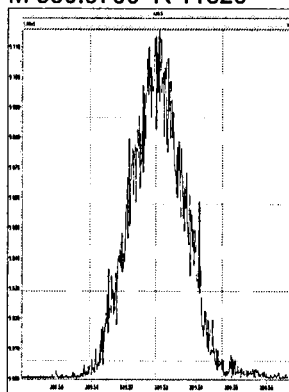
M 354.9792 R 11390



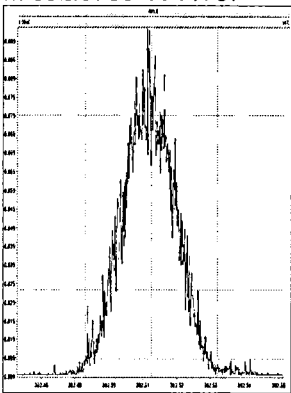
M 366.9792 R 11834



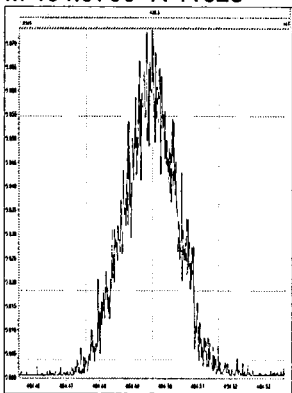
M 380.9760 R 11820



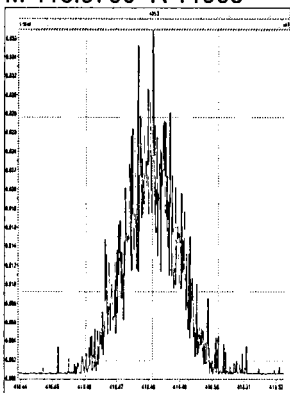
M 392.9760 R 11737



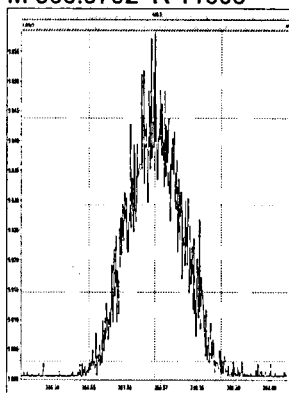
M 404.9760 R 11628



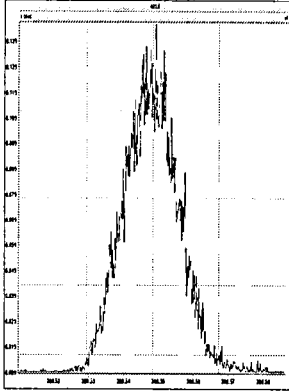
M 416.9760 R 11963



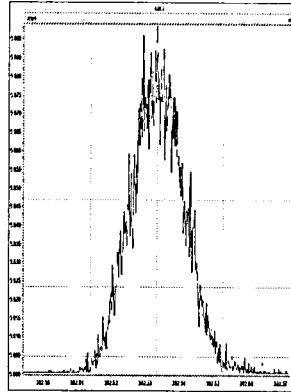
M 366.9792 R 11608



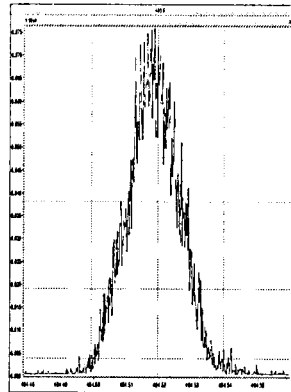
M 380.9760 R 11087



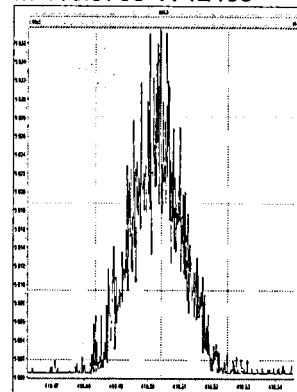
M 392.9760 R 11161



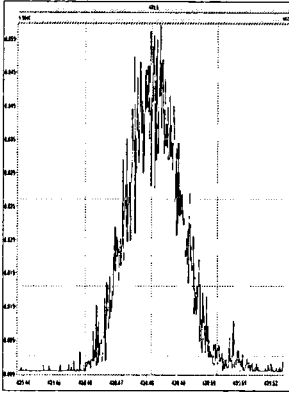
M 404.9760 R 11286



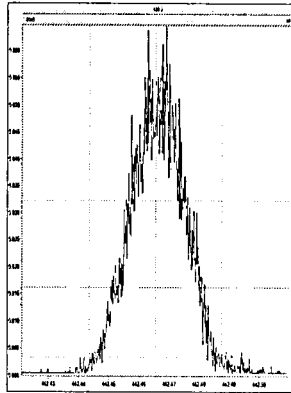
M 416.9760 R 12486



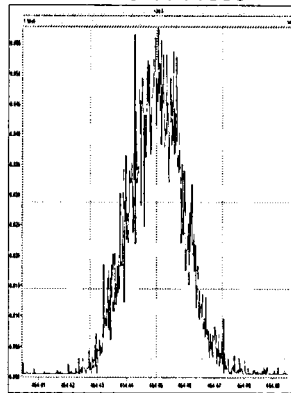
M 430.9728 R 12191



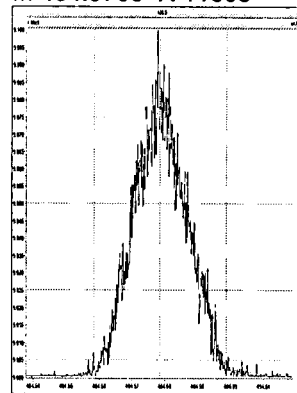
M 442.9728 R 11540



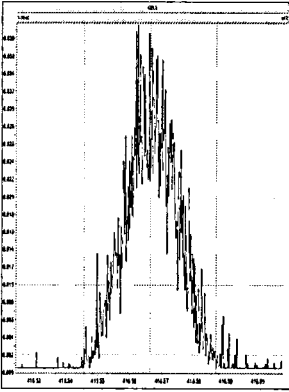
M 454.9728 R 11039



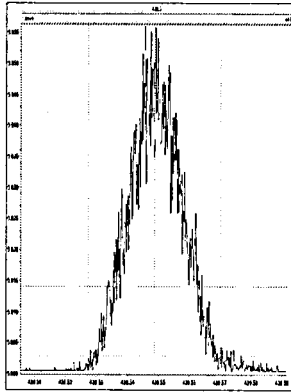
M 404.9760 R 11608



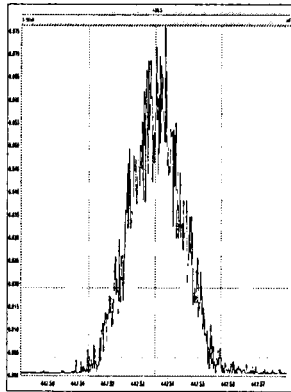
M 416.9760 R 11665



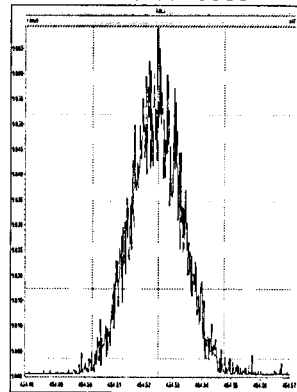
M 430.9728 R 11594



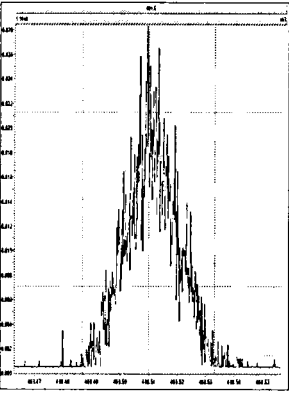
M 442.9728 R 12109



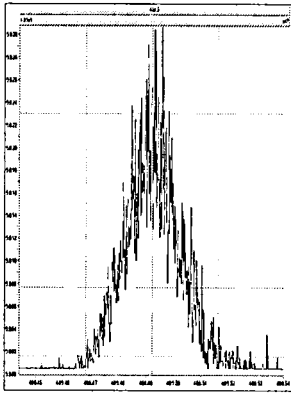
M 454.9728 R 10933



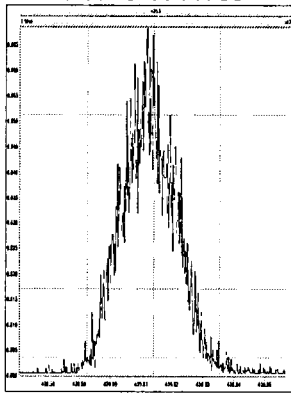
M 466.9728 R 12559



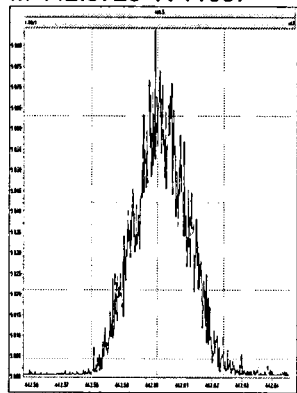
M 480.9696 R 11932



M 430.9728 R 11739

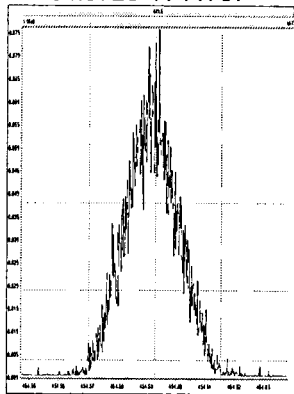


M 442.9728 R 11657

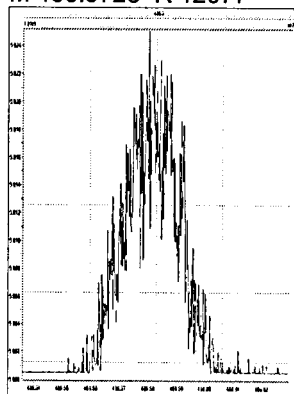


Printed: Tuesday, October 02, 2012 18:55:32 Eastern Daylight Time

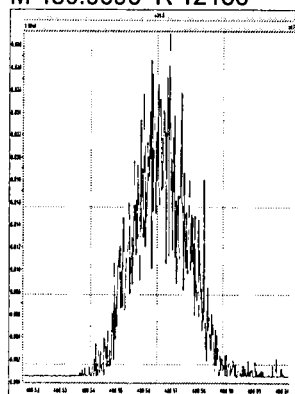
M 454.9728 R 11787



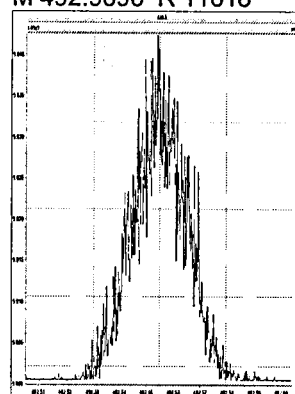
M 466.9728 R 12077



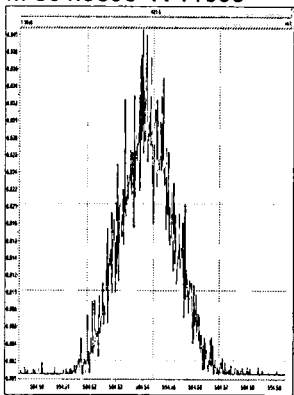
M 480.9696 R 12136



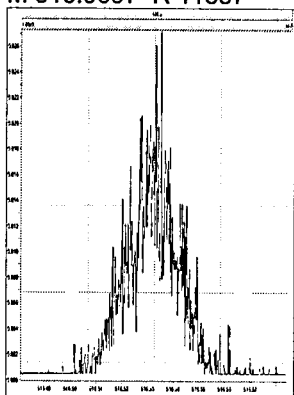
M 492.9696 R 11618



M 504.9696 R 11603



M 516.9697 R 11857



Quantify Compound Summary Report MassLynx 4.1

CF ICAL Summary

Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time

Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Method: Untitled 21 Aug 2012 13:21:20**Calibration: C:\MassLynx\Default.pro\Curvedb\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39****Compound name: 2378-TCDF**

Response Factor: 1.21803 ✓

RRF SD: 0.0732841, Relative SD: 6.01663

Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)

Curve type: RF

Filename	Sample ID	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	pg/uL	RRF	Height1	Noise1	SN1	Height2	Noise2	SN2	Acq.Date	Acq.Time	M
c02oct12a-4	CS0	2.784e3	1.226e3	1.558e3	0.79	NO	21.54	0.250	1.323	1.835e4	471	39.0	2.472e4	603	41.0	02-Oct-12	10:36:23	bb
c02oct12a-5	CS1	5.249e3	2.312e3	2.937e3	0.79	NO	21.52	0.500	1.268	3.227e4	419	76.9	4.846e4	630	76.9	02-Oct-12	11:22:39	bb
c02oct12a-6	CS2	2.115e4	9.292e3	1.186e4	0.78	NO	21.54	2.000	1.287	1.327e5	417	318.1	1.665e5	545	305.4	02-Oct-12	12:09:00	bd
c02oct12a-7	CS3	9.967e4	4.469e4	5.498e4	0.81	NO	21.54	10.000	1.193	6.433e5	476	1352.0	7.712e5	594	1299.1	02-Oct-12	12:55:31	bb
c02oct12a-8	CS4	3.844e5	1.712e5	2.131e5	0.80	NO	21.55	40.000	1.147	2.481e6	577	4296.6	3.066e6	728	4212.6	02-Oct-12	13:41:53	bb
c02oct12a-9	CS5	2.042e6	9.053e5	1.137e6	0.80	NO	21.54	200.000	1.143	1.351e7	770	1754...	1.692e7	1045	1618...	02-Oct-12	14:28:18	bb
c02oct12a-10	CS6	4.888e6	2.162e6	2.726e6	0.79	NO	21.54	500.000	1.166	3.129e7	1050	2980...	3.929e7	1284	3060...	02-Oct-12	15:14:38	bb

Compound name: ES:13C-2378-TCDF

Response Factor: 1.65503 ✓

RRF SD: 0.0497135, Relative SD: 3.00379

Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)

Curve type: RF

Filename	Sample ID	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	pg/uL	RRF	Height1	Noise1	SN1	Height2	Noise2	SN2	Acq.Date	Acq.Time	M
c02oct12a-4	CS0	8.420e5	3.738e5	4.682e5	0.80	NO	21.52	100.000	1.621	5.271e6	2436	2163.7	6.638e6	3358	1976.8	02-Oct-12	10:36:23	bb
c02oct12a-5	CS1	8.277e5	3.626e5	4.650e5	0.78	NO	21.51	100.000	1.618	5.207e6	2355	2210.9	6.749e6	1942	3475.6	02-Oct-12	11:22:39	bb
c02oct12a-6	CS2	8.220e5	3.677e5	4.542e5	0.81	NO	21.51	100.000	1.619	5.251e6	1942	2703.3	6.465e6	1567	4126.0	02-Oct-12	12:09:00	bb
c02oct12a-7	CS3	8.353e5	3.704e5	4.649e5	0.80	NO	21.52	100.000	1.695	5.265e6	2327	2262.0	6.662e6	1889	3526.9	02-Oct-12	12:55:31	bb
c02oct12a-8	CS4	8.378e5	3.697e5	4.681e5	0.79	NO	21.52	100.000	1.623	5.464e6	2110	2589.7	6.857e6	1637	4189.4	02-Oct-12	13:41:53	bb
c02oct12a-9	CS5	8.936e5	3.866e5	5.070e5	0.76	NO	21.51	100.000	1.664	5.535e6	2486	2226.7	7.447e6	1640	4540.7	02-Oct-12	14:28:18	bb
c02oct12a-10	CS6	8.385e5	3.667e5	4.718e5	0.78	NO	21.51	100.000	1.746	5.275e6	2077	2540.5	6.852e6	2098	3265.4	02-Oct-12	15:14:38	bb

Quantify Compound Summary Report MassLynx 4.1

CF ICAL Summary

Dataset: C:\MassLynx\Default.pro\Curvedblc02oct12a_Confirm-TD.qld

Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time

Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Compound name: JS:13C-1234-TCDD

Response Factor: 1

RRF SD: 1.6342e-016, Relative SD: 1.6342e-014

Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)

Curve type: RF

Filename	Sample ID	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	pg/uL	RRF	Height1	Noise1	SN1	Height2	Noise2	SN2	Acq.Date	Acq.Time	M
c02oct12a-4	CS0	5.194e5	2.259e5	2.935e5	0.77	NO	21.43	100.000	1.000	3.185e6	3234	984.6	4.255e6	3549	1198.9	02-Oct-12	10:36:23	bb
c02oct12a-5	CS1	5.116e5	2.345e5	2.772e5	0.85	NO	21.42	100.000	1.000	3.251e6	2080	1563.2	3.858e6	1231	3133.7	02-Oct-12	11:22:39	bb
c02oct12a-6	CS2	5.078e5	2.288e5	2.790e5	0.82	NO	21.42	100.000	1.000	3.161e6	2413	1309.6	3.911e6	1317	2968.3	02-Oct-12	12:09:00	bb
c02oct12a-7	CS3	4.929e5	2.216e5	2.713e5	0.82	NO	21.43	100.000	1.000	3.172e6	2257	1405.4	3.736e6	961	3889.1	02-Oct-12	12:55:31	bb
c02oct12a-8	CS4	5.163e5	2.317e5	2.846e5	0.81	NO	21.43	100.000	1.000	3.206e6	2287	1402.1	4.040e6	1300	3107.4	02-Oct-12	13:41:53	bb
c02oct12a-9	CS5	5.369e5	2.415e5	2.954e5	0.82	NO	21.42	100.000	1.000	3.490e6	2280	1530.4	4.164e6	1465	2843.0	02-Oct-12	14:28:18	bb
c02oct12a-10	CS6	4.803e5	2.108e5	2.694e5	0.78	NO	21.42	100.000	1.000	2.938e6	1584	1854.1	3.852e6	1122	3433.2	02-Oct-12	15:14:38	bb

Compound name: Tetrafurans

Response Factor: 1.21803 ✓

RRF SD: 0.0732841, Relative SD: 6.01663

Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)

Curve type: RF

Filename	Sample ID	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	pg/uL	RRF	Height1	Noise1	SN1	Height2	Noise2	SN2	Acq.Date	Acq.Time	M
c02oct12a-4	CS0		1.324e3					0.250		2.058e4	471					02-Oct-12	10:36:23	
c02oct12a-5	CS1		2.312e3					0.500		3.227e4	419					02-Oct-12	11:22:39	
c02oct12a-6	CS2		9.475e3					2.000		1.374e5	417					02-Oct-12	12:09:00	
c02oct12a-7	CS3		4.526e4					10.000		6.540e5	476					02-Oct-12	12:55:31	
c02oct12a-8	CS4		1.712e5					40.000		2.481e6	577					02-Oct-12	13:41:53	
c02oct12a-9	CS5		9.053e5					200.000		1.351e7	770					02-Oct-12	14:28:18	
c02oct12a-10	CS6		2.162e6					500.000		3.129e7	1050					02-Oct-12	15:14:38	

Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time

Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Method: Untitled 21 Aug 2012 13:21:20

Calibration: C:\MassLynx\Default.pro\Curvedb\VFxms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c02oct12a-4

ID: CS0

Date: 02-Oct-2012

Time: 10:36:23

Submitter:

Task: HRMS3

2378 TCDF RRF

$$\frac{(2784)(100)}{(842000)(0.25)} = 1.323 \checkmark$$

rev. mat 11/1/12

	Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	RRF	Ical RRF	%RSD	Height1	Noise1	Height2	Noise2	SN1	SN2	M
1	2378-TCDF	2.784e3	1.226e3	1.558e3	0.79	NO	21.54	1.323	1.218	6.0	1.835e4	470.6	2.472e4	602.9	39.0	41.0	bb
2	ES:13C-2378-TCDF	8.420e5	3.738e5	4.682e5	0.80	NO	21.52	1.621	1.655	3.0	5.271e6	2436.1	6.638e6	3358.1	2163.7	1976.8	bb
3	JS:13C-1234-TCDD	5.194e5	2.259e5	2.935e5	0.77	NO	21.43	1.000	1.000	0.0	3.185e6	3234.4	4.255e6	3549.2	984.6	1198.9	bb
4	Tetrafurans		1.324e3						1.218	6.0	2.058e4	470.6					
5	F1 Lock Mass																

Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time
Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

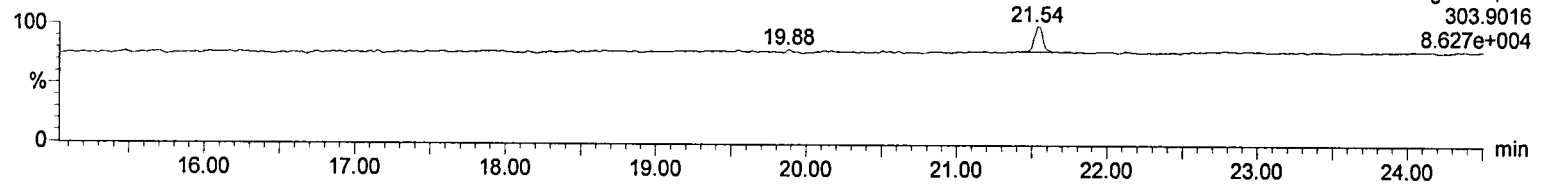
Method: Untitled 21 Aug 2012 13:21:20

Calibration: C:\MassLynx\Default.pro\Curvedb\VFXms-100212a_Confirm-TD.cdb 31 Oct 2012 15:37:39

Name: c02oct12a-4, ID: CS0, Date: 02-Oct-2012, Time: 10:36:23, Submitter: , Task: HRMS3

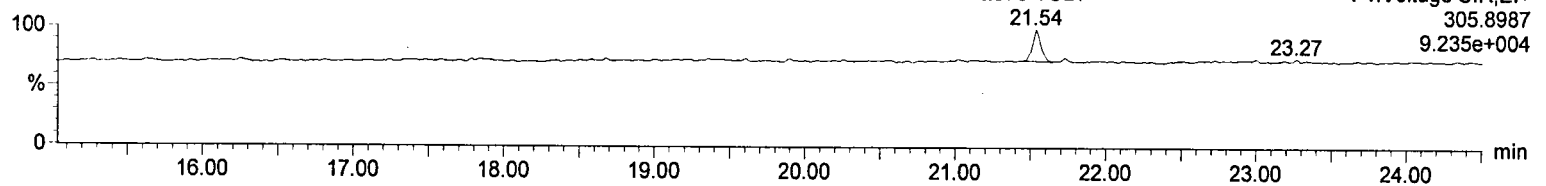
2378-TCDF

c02oct12a-4



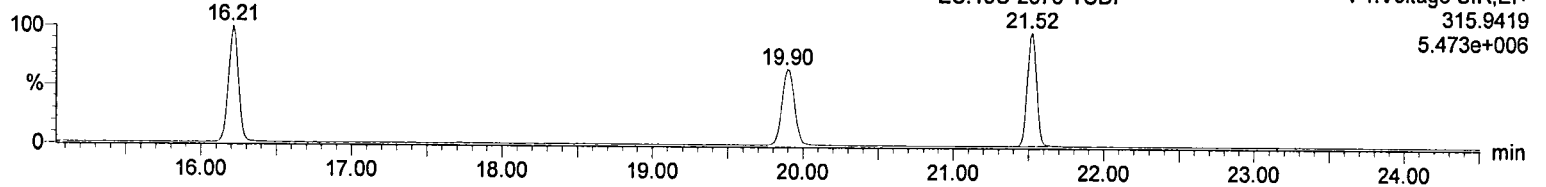
2378-TCDF

c02oct12a-4



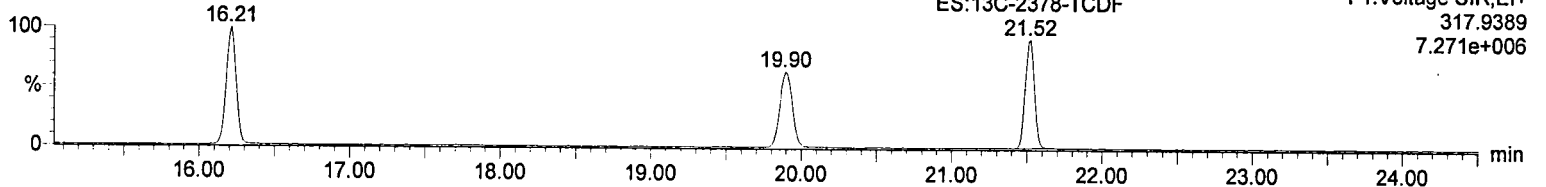
ES:13C-2378-TCDF

c02oct12a-4



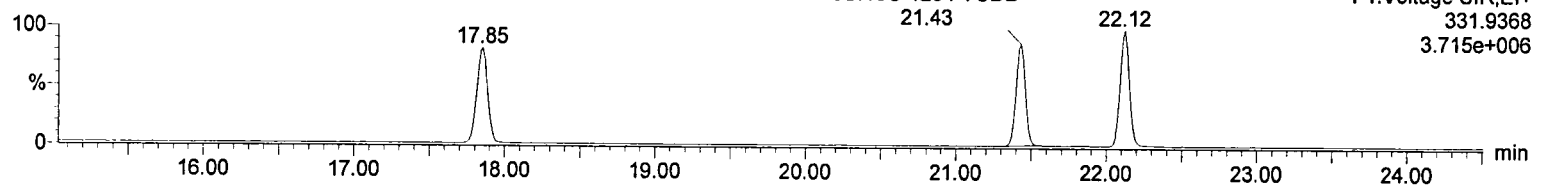
ES:13C-2378-TCDF

c02oct12a-4



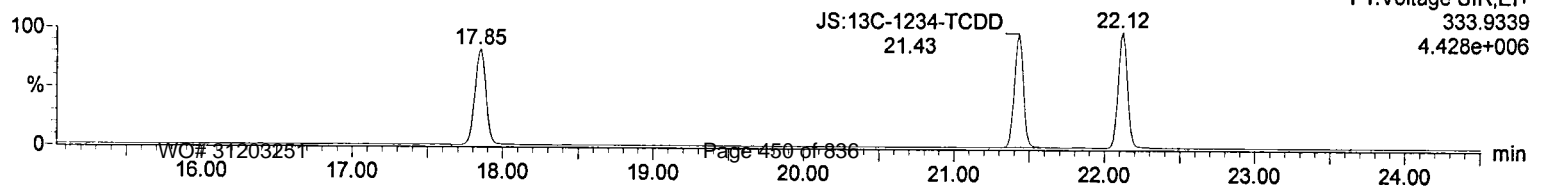
JS:13C-1234-TCDD

c02oct12a-4



JS:13C-1234-TCDD

c02oct12a-4



Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time

Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-5

ID: CS1

Date: 02-Oct-2012

Time: 11:22:39

Submitter:

Task: HRMS3

*13C-2377-TCDF RRF
(827700)(100)
(511600)(100) = 1.618 ✓*

LU mtr 11/1/12

	Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	RRF	Ical RRF	%RSD	Height1	Noise1	Height2	Noise2	SN1	SN2	M
1	2378-TCDF	5.249e3	2.312e3	2.937e3	0.79	NO	21.52	1.268	1.218	6.0	3.227e4	419.3	4.846e4	629.9	76.9	76.9	bb
2	ES:13C-2378-TCDF	8.277e5	3.626e5	4.650e5	0.78	NO	21.51	1.618	1.655	3.0	5.207e6	2355.1	6.749e6	1941.7	2210.9	3475.6	bb
3	JS:13C-1234-TCDD	5.116e5	2.345e5	2.772e5	0.85	NO	21.42	1.000	1.000	0.0	3.251e6	2079.6	3.858e6	1231.1	1563.2	3133.7	bb
4	Tetrafurans		2.312e3						1.218	6.0	3.227e4	419.3					
5	F1 Lock Mass																

Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

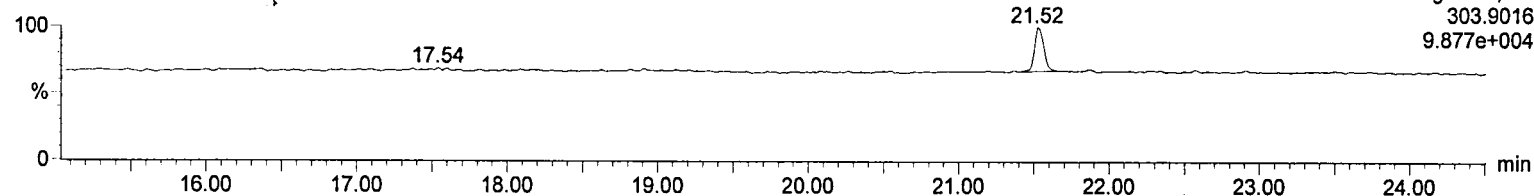
Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time

Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-5, ID: CS1, Date: 02-Oct-2012, Time: 11:22:39, Submitter: , Task: HRMS3

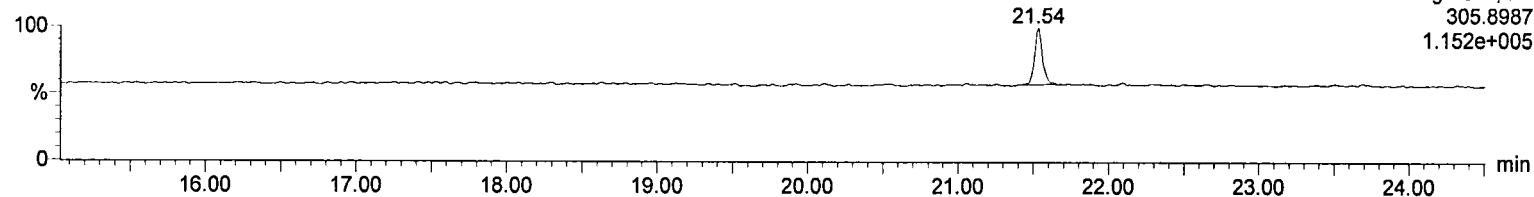
2378-TCDF

c02oct12a-5



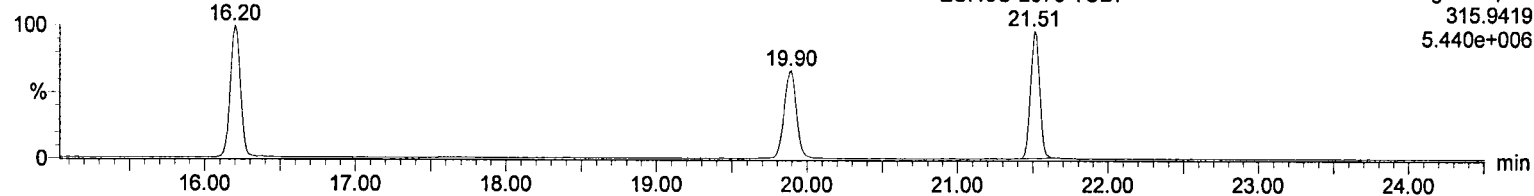
2378-TCDF

c02oct12a-5



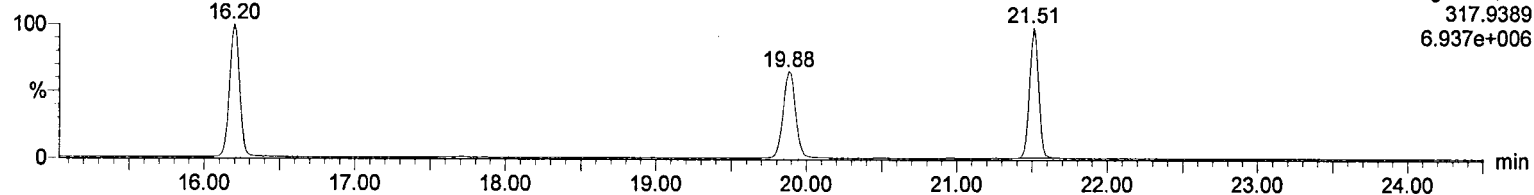
ES:13C-2378-TCDF

c02oct12a-5



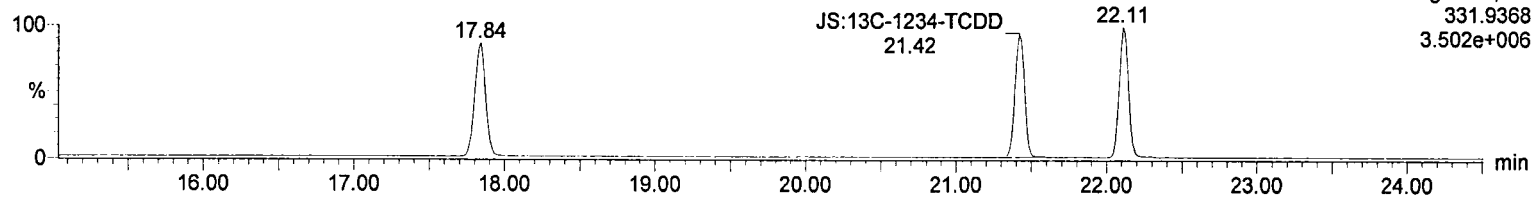
ES:13C-2378-TCDF

c02oct12a-5



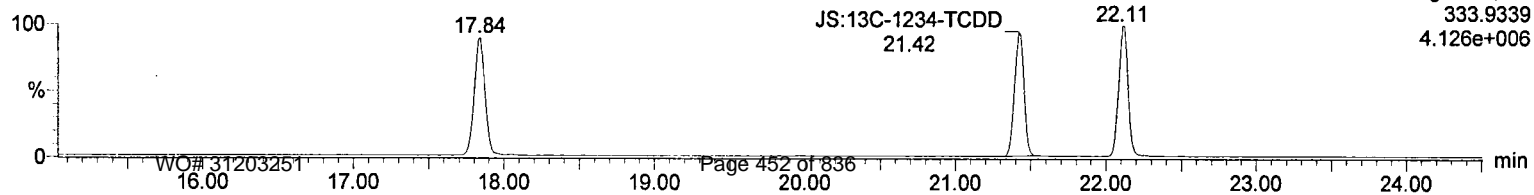
JS:13C-1234-TCDD

c02oct12a-5



JS:13C-1234-TCDD

c02oct12a-5



Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time

Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-6

ID: CS2

Date: 02-Oct-2012

Time: 12:09:00

Submitter:

Task: HRMS3

*2378-TCDF RRF
(21150)(109)
(822003)(2) = 1.28 b*

Rec. mnt 11/1/12

	Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	RRF	ical RRF	%RSD	Height1	Noise1	Height2	Noise2	SN1	SN2	M
1	2378-TCDF	2.115e4	9.292e3	1.186e4	0.78	NO	21.54	1.287	1.218	6.0	1.327e5	417.0	1.665e5	545.1	318.1	305.4	bd
2	ES:13C-2378-TCDF	8.220e5	3.677e5	4.542e5	0.81	NO	21.51	1.619	1.655	3.0	5.251e6	1942.3	6.465e6	1567.0	2703.3	4126.0	bb
3	JS:13C-1234-TCDD	5.078e5	2.288e5	2.790e5	0.82	NO	21.42	1.000	1.000	0.0	3.161e6	2413.3	3.911e6	1317.4	1309.6	2968.3	bb
4	Tetrafurans		9.475e3						1.218	6.0	1.374e5	417.0					
5	F1 Lock Mass																

Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

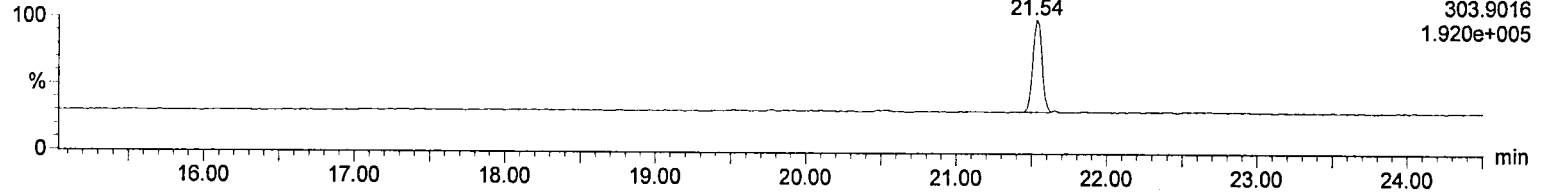
Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time

Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-6, ID: CS2, Date: 02-Oct-2012, Time: 12:09:00, Submitter: , Task: HRMS3

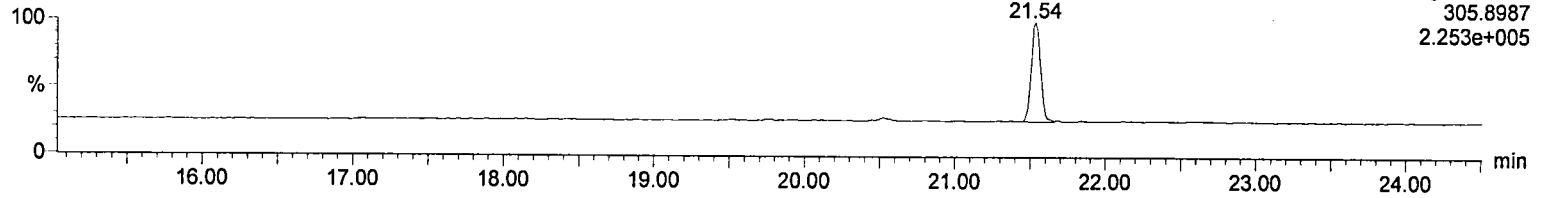
2378-TCDF

c02oct12a-6



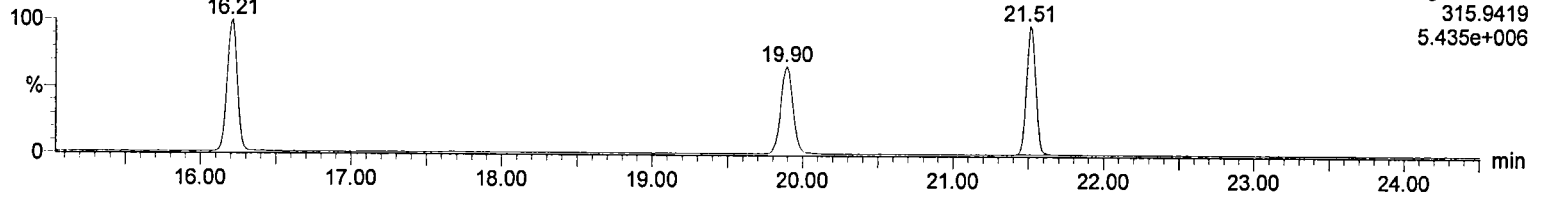
2378-TCDF

c02oct12a-6



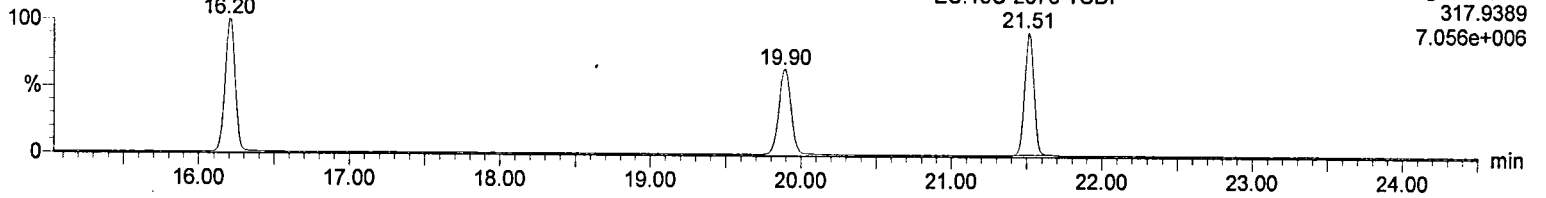
ES:13C-2378-TCDF

c02oct12a-6



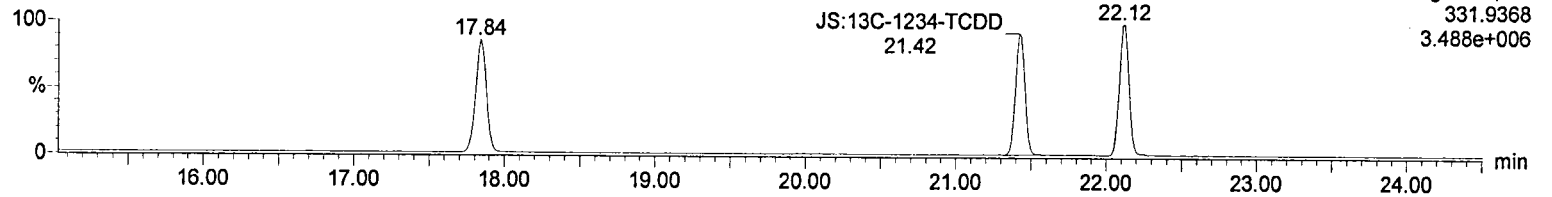
ES:13C-2378-TCDF

c02oct12a-6



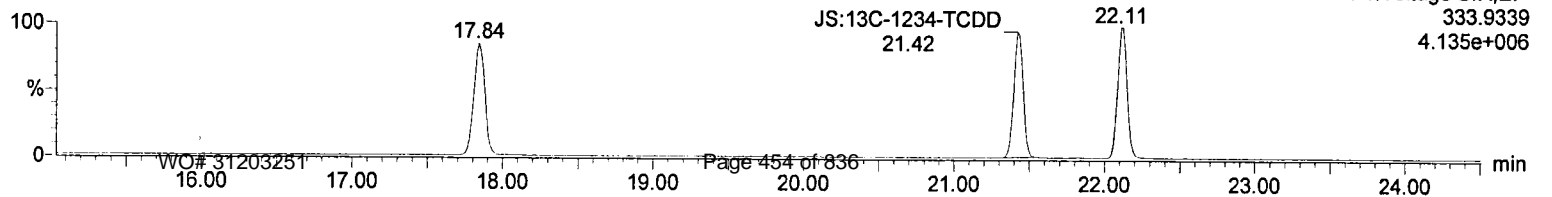
JS:13C-1234-TCDD

c02oct12a-6



JS:13C-1234-TCDD

c02oct12a-6



Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time

Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-7

ID: CS3

Date: 02-Oct-2012

Time: 12:55:31

Submitter:

Task: HRMS3

2378 TCDF RRF

$$\frac{(99670)(100)}{(835340)(10)} = 1.193 \checkmark$$

per. msc 1/1/12

Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	RRF	Ical RRF	%RSD	Height1	Noise1	Height2	Noise2	SN1	SN2	M
1 2378-TCDF	9.967e4	4.469e4	5.498e4	0.81	NO	21.54	1.193	1.218	6.0	6.433e5	475.8	7.712e5	593.6	1352.0	1299.1	bb
2 ES:13C-2378-TCDF	8.353e5	3.704e5	4.649e5	0.80	NO	21.52	1.695	1.655	3.0	5.265e6	2327.4	6.662e6	1888.8	2262.0	3526.9	bb
3 JS:13C-1234-TCDD	4.929e5	2.216e5	2.713e5	0.82	NO	21.43	1.000	1.000	0.0	3.172e6	2257.2	3.736e6	960.7	1405.4	3889.1	bb
4 Tetrafurans		4.526e4						1.218	6.0	6.540e5	475.8					
5 F1 Lock Mass																

Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

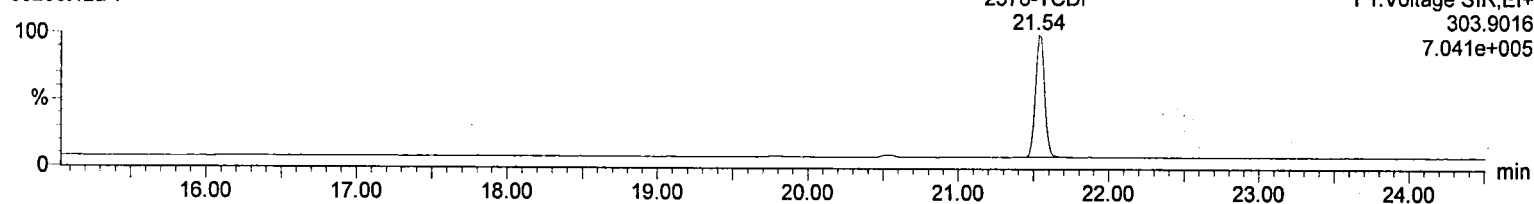
Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time

Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-7, ID: CS3, Date: 02-Oct-2012, Time: 12:55:31, Submitter: , Task: HRMS3

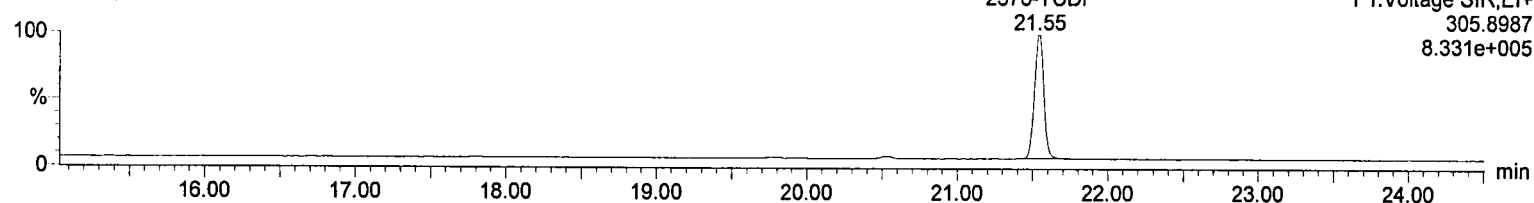
2378-TCDF

c02oct12a-7



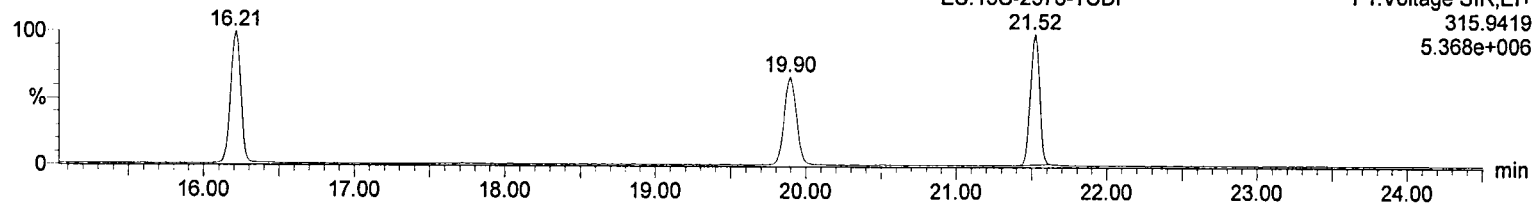
2378-TCDF

c02oct12a-7



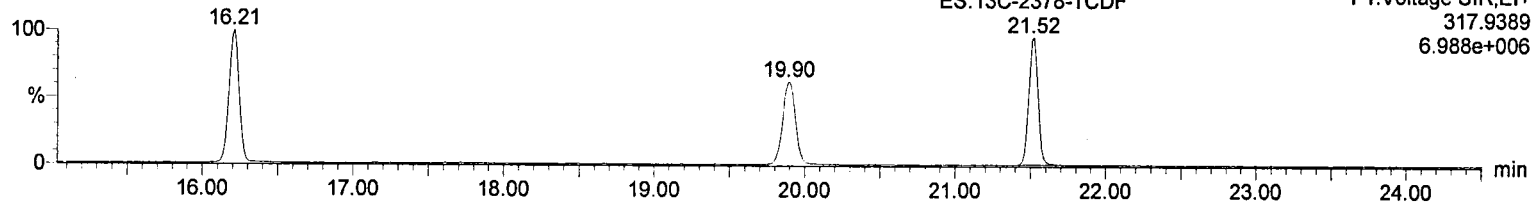
ES:13C-2378-TCDF

c02oct12a-7



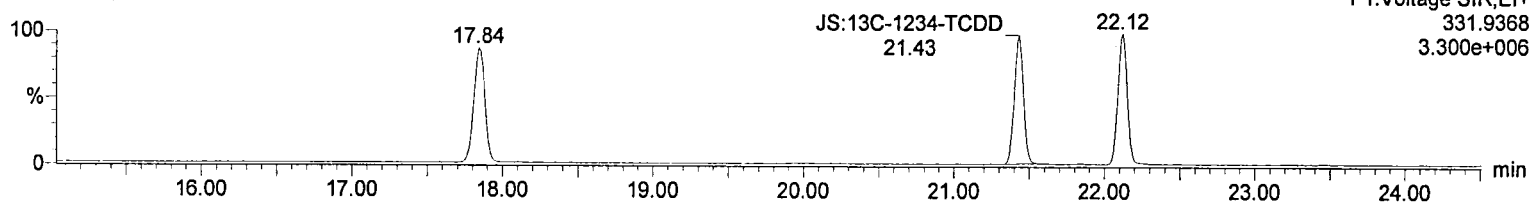
ES:13C-2378-TCDF

c02oct12a-7



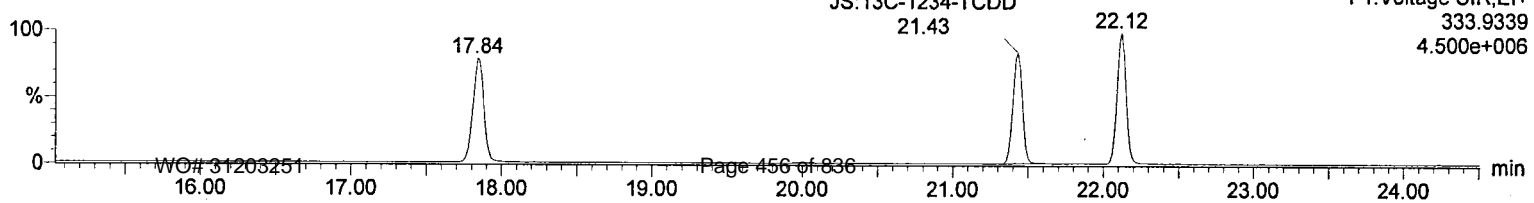
JS:13C-1234-TCDD

c02oct12a-7



JS:13C-1234-TCDD

c02oct12a-7



Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time

Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-8

ID: CS4

Date: 02-Oct-2012

Time: 13:41:53

Submitter:

Task: HRMS3

*13C-2378-TCDF RRF
 $\frac{(837800)(100)}{(516300)(100)} = 1.623$*

rev. msc 11/1/12

	Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	RRF	Ical RRF	%RSD	Height1	Noise1	Height2	Noise2	SN1	SN2	M
1	2378-TCDF	3.844e5	1.712e5	2.131e5	0.80	NO	21.55	1.147	1.218	6.0	2.481e6	577.4	3.066e6	727.9	4296.6	4212.6	bb
2	ES:13C-2378-TCDF	8.378e5	3.697e5	4.681e5	0.79	NO	21.52	1.623	1.655	3.0	5.464e6	2109.8	6.857e6	1636.8	2589.7	4189.4	bb
3	JS:13C-1234-TCDD	5.163e5	2.317e5	2.846e5	0.81	NO	21.43	1.000	1.000	0.0	3.206e6	2287.0	4.040e6	1300.1	1402.1	3107.4	bb
4	Tetrafurans		1.712e5						1.218	6.0	2.481e6	577.4					
5	F1 Lock Mass																

Dataset: C:\MassLynx\Default.pro\Curvedblc02oct12a_Confirm-TD.qld

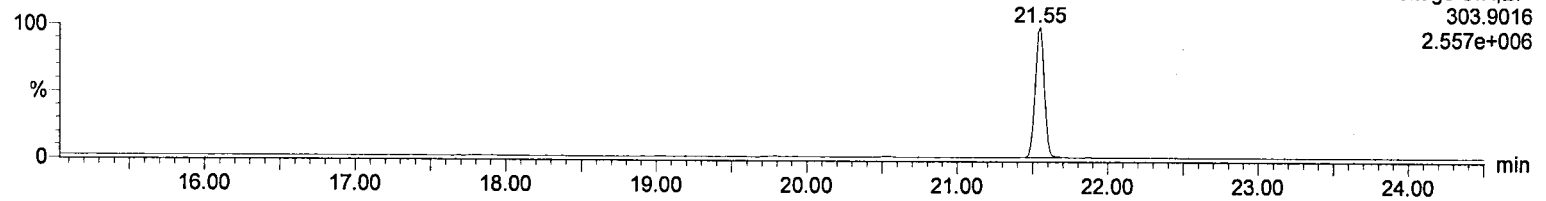
Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time

Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-8, ID: CS4, Date: 02-Oct-2012, Time: 13:41:53, Submitter: , Task: HRMS3

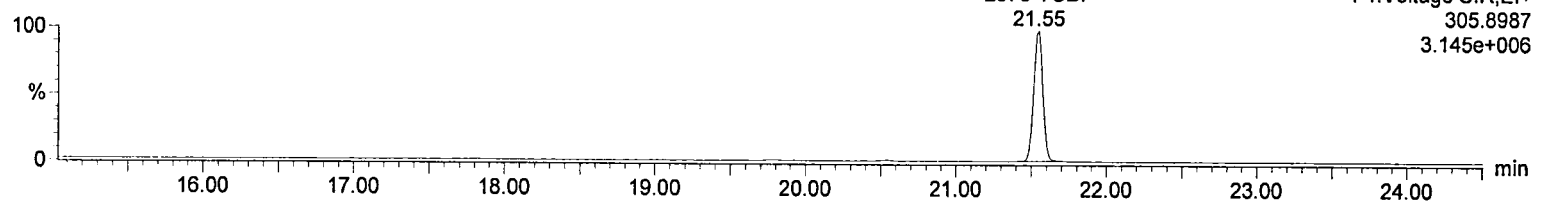
2378-TCDF

c02oct12a-8



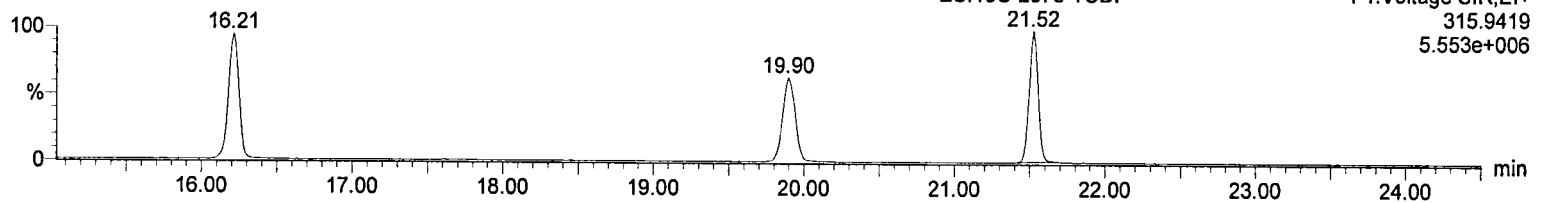
2378-TCDF

c02oct12a-8



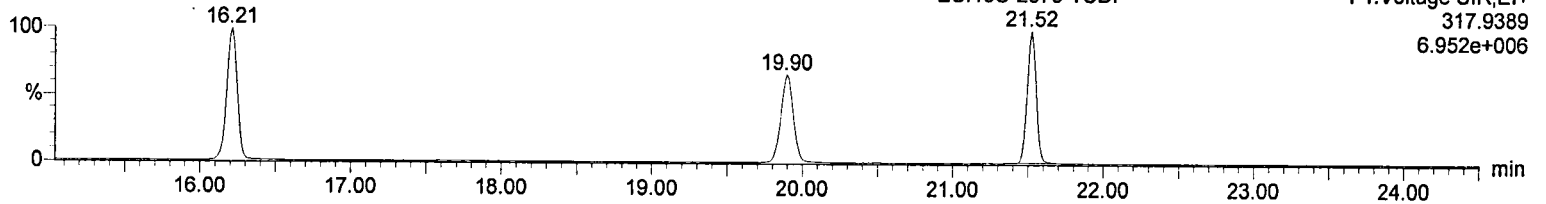
ES:13C-2378-TCDF

c02oct12a-8



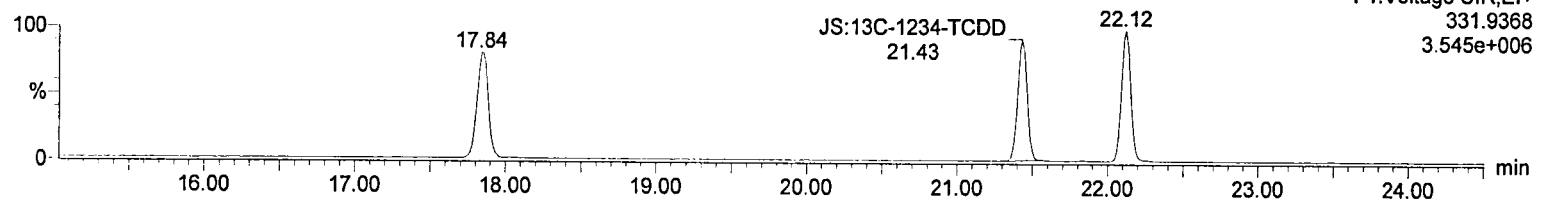
ES:13C-2378-TCDF

c02oct12a-8



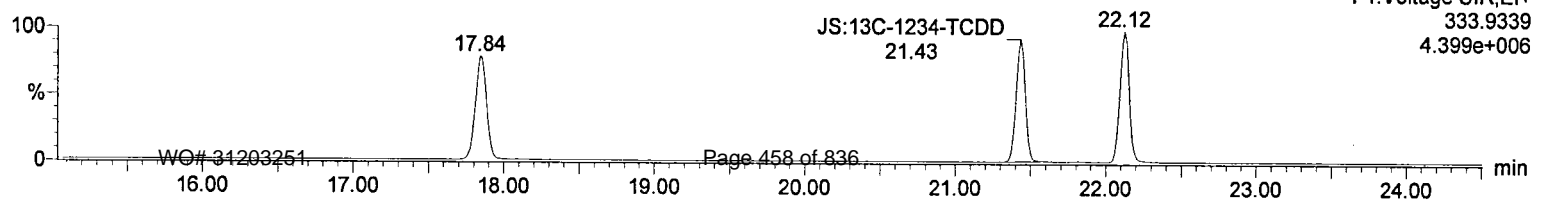
JS:13C-1234-TCDD

c02oct12a-8



JS:13C-1234-TCDD

c02oct12a-8



Dataset: C:\MassLynx\Default.pro\Curvedblc02oct12a_Confirm-TD.qld

Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time

Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-9

ID: CS5

Date: 02-Oct-2012

Time: 14:28:18

Submitter:

Task: HRMS3

$$\frac{2378\text{-TCDF RRF}}{\frac{(2042000)(100)}{(893600)(200)}} = 1.143 \checkmark$$

rev. mm 11/1/12

	Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	RRF	Ical RRF	%RSD	Height1	Noise1	Height2	Noise2	SN1	SN2	M
1	2378-TCDF	2.042e6	9.053e5	1.137e6	0.80	NO	21.54	1.143	1.218	6.0	1.351e7	770.4	1.692e7	1045.2	17543.2	16184.1	bb
2	ES:13C-2378-TCDF	8.936e5	3.866e5	5.070e5	0.76	NO	21.51	1.664	1.655	3.0	5.535e6	2485.9	7.447e6	1640.0	2226.7	4540.7	bb
3	JS:13C-1234-TCDD	5.369e5	2.415e5	2.954e5	0.82	NO	21.42	1.000	1.000	0.0	3.490e6	2280.5	4.164e6	1464.7	1530.4	2843.0	bb
4	Tetrafurans		9.053e5						1.218	6.0	1.351e7	770.4					
5	F1 Lock Mass																

Quantify Sample Report MassLynx 4.1
CF ICAL Summary

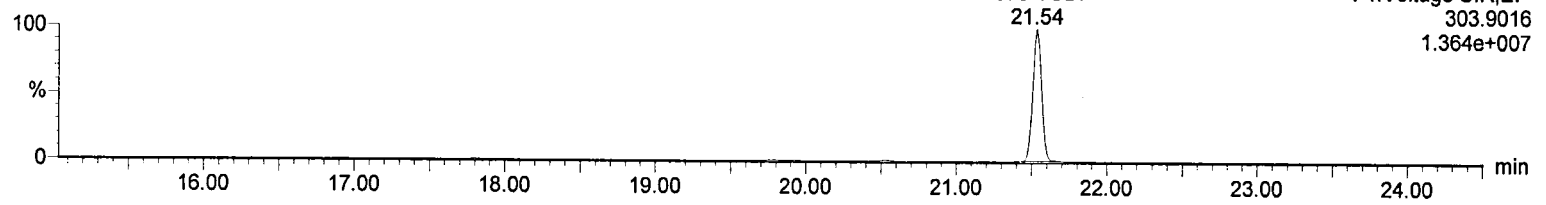
Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time
Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-9, ID: CS5, Date: 02-Oct-2012, Time: 14:28:18, Submitter: , Task: HRMS3

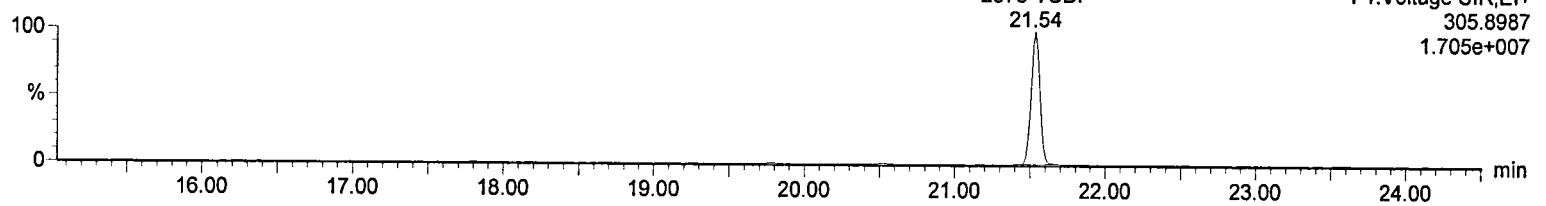
2378-TCDF

c02oct12a-9



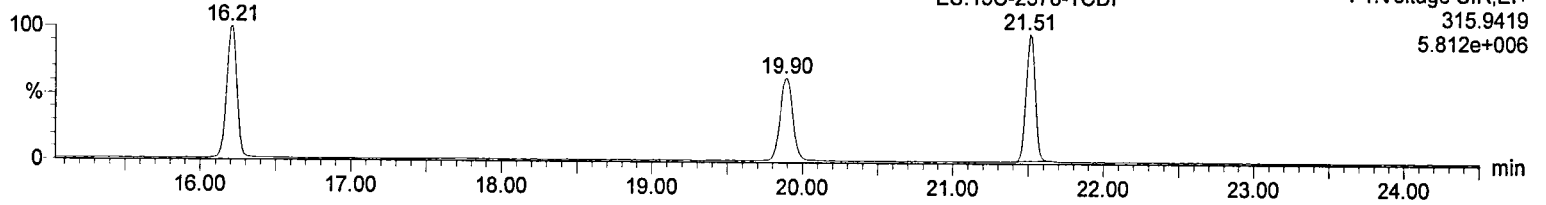
2378-TCDF

c02oct12a-9



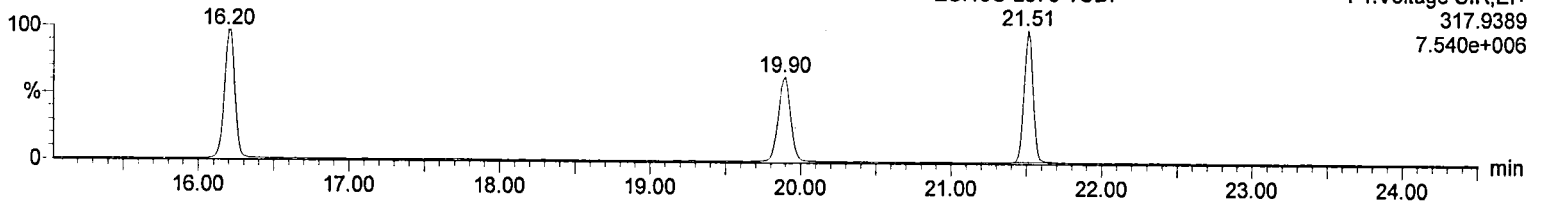
ES:13C-2378-TCDF

c02oct12a-9



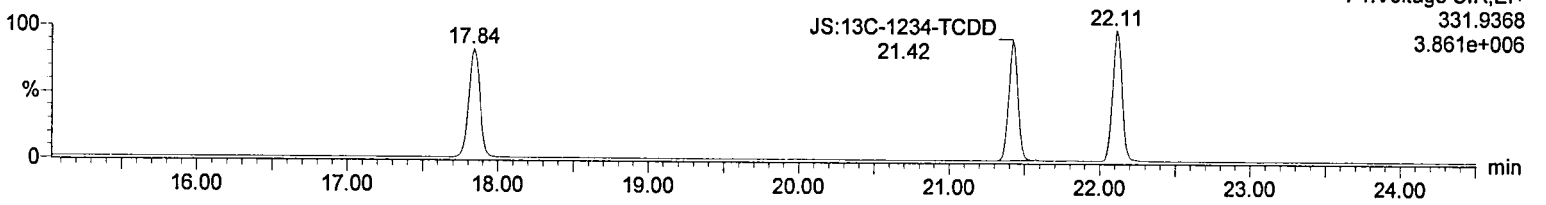
ES:13C-2378-TCDF

c02oct12a-9



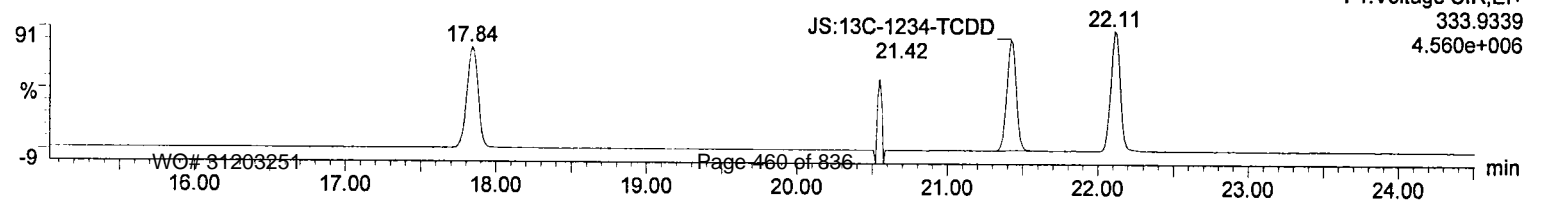
JS:13C-1234-TCDD

c02oct12a-9



JS:13C-1234-TCDD

c02oct12a-9



Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time

Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-10

ID: CS6

Date: 02-Oct-2012

Time: 15:14:38

Submitter:

Task: HRMS3

*2378-TCDF RRF
 $\frac{(4888000)(100)}{(838500)(500)} = 1.166$ ✓*

rev. mat 11/1/12

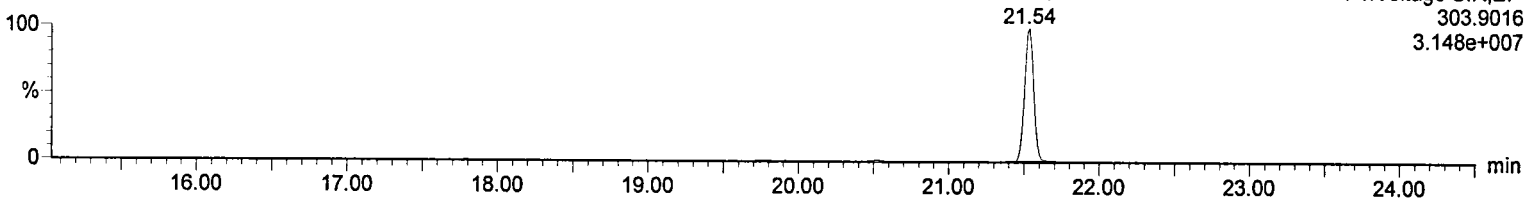
	Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	RRF	Ical RRF	%RSD	Height1	Noise1	Height2	Noise2	SN1	SN2	M
1	2378-TCDF	4.888e6	2.162e6	2.726e6	0.79	NO	21.54	1.166	1.218	6.0	3.129e7	1049.7	3.929e7	1283.8	29809.3	30607.7	bb
2	ES:13C-2378-TCDF	8.385e5	3.667e5	4.718e5	0.78	NO	21.51	1.746	1.655	3.0	5.275e6	2076.5	6.852e6	2098.4	2540.5	3265.4	bb
3	JS:13C-1234-TCDD	4.803e5	2.108e5	2.694e5	0.78	NO	21.42	1.000	1.000	0.0	2.938e6	1584.4	3.852e6	1121.9	1854.1	3433.2	bb
4	Tetrafurans		2.162e6						1.218	6.0	3.129e7	1049.7					
5	F1 Lock Mass																

Dataset: C:\MassLynx\Default.pro\Curvedb\c02oct12a_Confirm-TD.qld

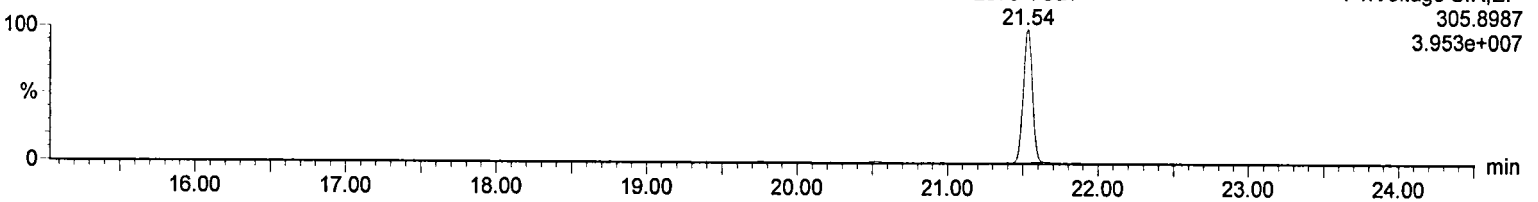
Last Altered: Wednesday, October 31, 2012 15:37:41 Eastern Daylight Time
Printed: Wednesday, October 31, 2012 15:40:28 Eastern Daylight Time

Name: c02oct12a-10, ID: CS6, Date: 02-Oct-2012, Time: 15:14:38, Submitter: , Task: HRMS3

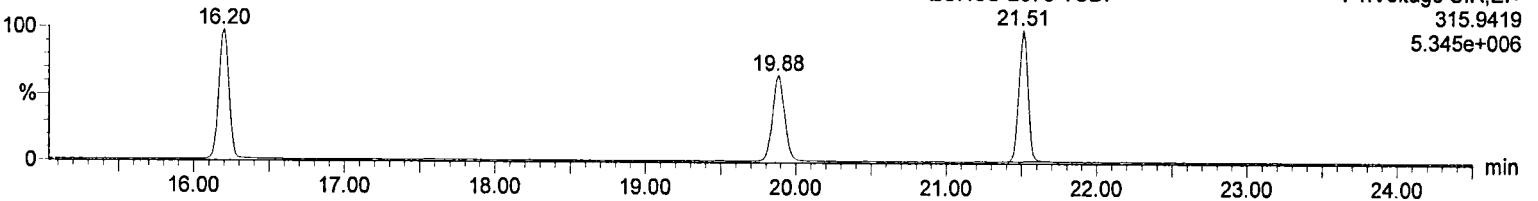
2378-TCDF
c02oct12a-10



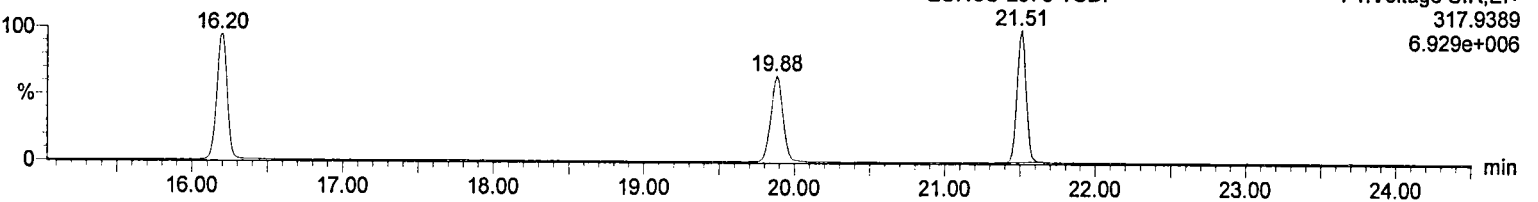
2378-TCDF
c02oct12a-10



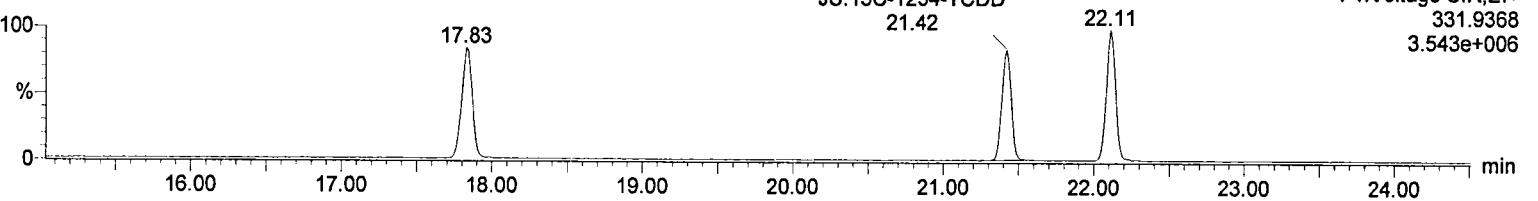
ES:13C-2378-TCDF
c02oct12a-10



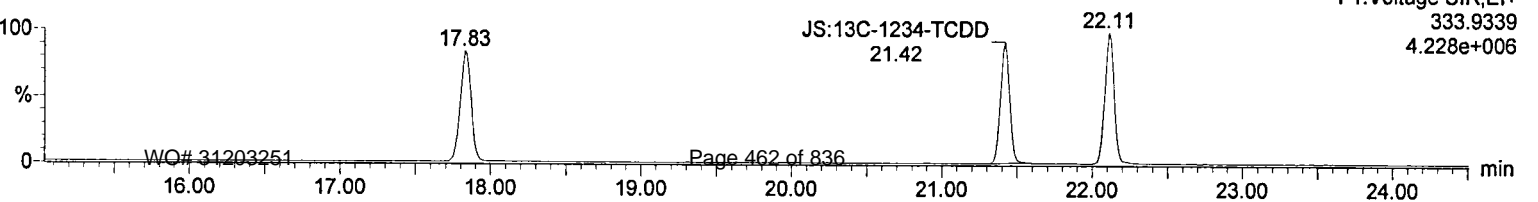
ES:13C-2378-TCDF
c02oct12a-10



JS:13C-1234-TCDD
c02oct12a-10



JS:13C-1234-TCDD
c02oct12a-10



PCB ICAL Summary

SGS Analytical Perspectives

Printed: 28 Jul 2012 10:09

ICAL: MM7_PCB_07132012_25JUL12

Acquired: 26 Jul 2012

Date Processed: 27 Jul 2012 17:07

Name	Mean	% RSD	120725X15	120725X15	120725X16	120725X17	120725X18	120725X19
			0.5	1	5	50	400	2000
			CS0	CS1	CS2	CS3	CS4	CS5
PCB-77 33'44'-TeCB	1.13	4.9%	1.12 ✓	1.06	1.09	1.16	1.20	1.18
PCB-81 344'5'-TeCB	1.13	5.9%	1.09	1.03	1.09	1.17	1.20	1.18
PCB-105 233'44'-PeCB	1.09	5.3%	1.07	1.01 ✓	1.06	1.14	1.16	1.13
PCB-114 2344'5'-PeCB	1.16	5.1%	1.10	1.10 ✓	1.13	1.22	1.22	1.20
PCB-118 23'44'5'-PeCB	1.11	4.7%	1.13	1.05	1.03	1.13	1.17	1.12
PCB-123 2'344'5'-PeCB	1.19	4.4%	1.18	1.12	1.19 ✓	1.16	1.26	1.23
PCB-126 33'44'5'-PeCB	1.06	5.0%	1.04	0.98	1.04 ✓	1.08 ✓	1.11	1.12
PCB-156/157 233'44'5'/233'44'5'	1.11	3.2%	1.09	1.07	1.07	1.13 ✓	1.16	1.12
PCB-167 23'44'55'-HxCB	1.14	4.5%	1.08	1.07	1.11	1.18	1.19 ✓	1.17
PCB-169 33'44'55'-HxCB	1.11	4.1%	1.07	1.05	1.10	1.15	1.16 ✓	1.14
PCB-189 233'44'55'-HpCB	1.06	4.3%	1.03	1.00	1.02	1.08	1.11	1.10 ✓
PCB-209 DeCB	1.07	2.5%	1.10	1.06	1.03	1.09	1.10	1.07 ✓
ES PCB-1	1.08	1.0%	1.09	1.09	1.07	1.08	1.06	1.09
ES PCB-3	1.08	1.1%	1.08	1.09	1.07	1.08	1.07	1.10
ES PCB-4	0.49	0.9%	0.49	0.49	0.49	0.49	0.48	0.49
ES PCB-15	1.11	1.1%	1.10	1.11	1.10	1.11	1.13	1.12
ES PCB-19	0.55	1.3%	0.56	0.56	0.56	0.56	0.55	0.54
ES PCB-37	1.64	1.3%	1.63	1.62	1.62	1.63	1.65	1.67
ES PCB-54	0.94	2.0%	0.94 ✓	0.95	0.97	0.94	0.91	0.93
ES PCB-77	1.35	1.1%	1.34 ✓	1.35	1.35	1.33	1.37	1.34
ES PCB-81	1.29	1.3%	1.27	1.29	1.28	1.27	1.32	1.29
ES PCB-104	0.99	1.1%	0.98	1.01	1.00	0.99	0.98	1.00
ES PCB-105	1.23	1.0%	1.23	1.25 ✓	1.24	1.22	1.23	1.23
ES PCB-114	1.25	1.4%	1.25	1.26 ✓	1.26	1.23	1.26	1.22
ES PCB-118	1.28	0.6%	1.28	1.29	1.29	1.27	1.28	1.28
ES PCB-123	1.22	1.3%	1.21	1.24	1.21	1.20	1.24	1.22
ES PCB-126	1.20	0.7%	1.21	1.19	1.20 ✓	1.19	1.20	1.21
ES PCB-153	1.14	1.0%	1.14	1.15	1.15	1.14	1.12	1.15
ES PCB-155	1.50	1.3%	1.49	1.49	1.50	1.53 ✓	1.46	1.50
ES PCB-156/157	1.45	1.2%	1.48	1.45	1.44	1.45 ✓	1.44	1.48
ES PCB-167	1.49	1.2%	1.52	1.50	1.48	1.48	1.48 ✓	1.50
ES PCB-169	1.40	1.2%	1.42	1.40	1.38	1.39	1.41 ✓	1.42
ES PCB-170	1.00	0.8%	1.01	0.99	0.99	1.01	1.01	1.00
ES PCB-180	1.16	1.6%	1.15	1.14	1.14	1.18	1.16	1.18
ES PCB-188	1.18	0.9%	1.19	1.17	1.17	1.19	1.17	1.18
ES PCB-189	1.49	1.6%	1.48	1.46	1.46	1.50	1.50	1.52
ES PCB-202	1.14	0.7%	1.15	1.14	1.13	1.13	1.13	1.14
ES PCB-205	1.20	0.9%	1.20	1.19	1.19	1.20	1.21	1.22
ES PCB-206	0.87	1.1%	0.88	0.85	0.86	0.87	0.88	0.87

CS0 PCB-1 near saturation. Approved by Yves Tondeur, +0.8% Dev., Peak shape of native mirrors ES, RES = 4.9%

APPROVED
By Bryan Vining at 1:32 pm, Jul 31, 2012

PCB ICAL Summary

SGS Analytical Perspectives

Printed: 28 Jul 2012 10:09

ICAL: MM7_PCB_07132012_25JUL12

Acquired: 26 Jul 2012

Name	Mean	% RSD	120725X15	120725X15	120725X16	120725X17	120725X18	120725X19
			0.5 CS0	1 CS1	5 CS2	50 CS3	400 CS4	2000 CS5
ES PCB-208	1.19	0.9%	1.19	1.17	1.18	1.20	1.20	1.19
ES PCB-209	1.00	0.8%	1.01	0.99	1.00	1.01	1.01	1.00
SS PCB-28	1.07	0.9%	1.07	1.09	1.08	1.08	1.07	1.06
SS PCB-111	1.01	0.9%	1.01	0.99	1.01	1.00	1.00	1.01
SS PCB-178	0.63	1.3%	0.62	0.63	0.64	0.62	0.63	0.63
CS PCB-28	1.76	0.6%	1.74	1.76	1.75	1.76	1.77	1.77
CS PCB-111	1.23	0.8%	1.22	1.23	1.23	1.21	1.23	1.23
CS PCB-178	0.74	0.8%	0.73	0.74	0.75	0.74	0.73	0.74
PCB-1 2-MoCB	1.03	7.6%	0.93	0.95	1.01	1.08	1.12	1.10
PCB-3 4-MoCB	1.04	7.6%	0.95	0.96	1.01	1.09	1.12	1.13
PCB-4 22'-DiCB	1.17	5.4%	1.12	1.09	1.13	1.22	1.24	1.21
PCB-15 44'-DiCB	1.08	4.1%	1.03	1.05	1.04	1.10	1.14	1.12
PCB-19 22'6'-TrCB	1.09	5.8%	1.06	1.01	1.04	1.14	1.17	1.14
PCB-37 344'-TrCB	1.10	3.7%	1.10	1.05	1.06	1.14	1.15	1.12
PCB-54 22'66'-TeCB	1.21	6.2%	1.13	1.13	1.17	1.27	1.30	1.25
PCB-104 22'466'-PeCB	1.25	4.7%	1.25	1.15	1.23	1.32	1.31	1.27
PCB-153 22'44'55' -HxCB	1.22	5.7%	1.21	1.13	1.15	1.28	1.30	1.25
PCB-155 22'44'66'-HxCB	1.09	4.7%	1.03	1.06	1.04	1.13	1.15	1.13
PCB-170 22'33'44'5'-HpCB	1.07	5.7%	1.03	0.99	1.04	1.12	1.13	1.13
PCB-180 22'344'55'-HpCB	1.16	5.1%	1.14	1.06	1.14	1.19	1.22	1.20
PCB-188 22'34'566'-HpCB	1.03	6.0%	0.93	0.99	1.02	1.08	1.10	1.07
PCB-202 22'33'55'66'-OcCB	0.91	4.7%	0.90	0.85	0.89	0.95	0.96	0.94
PCB-205 233'44'55'6'-OcCB	1.09	4.2%	1.09	1.02	1.04	1.11	1.14	1.12
PCB-208 22'33'455'66'-NoCB	1.02	5.3%	0.97	0.96	0.98	1.06	1.08	1.06
PCB-206 22'33'44'55'6'-NoCB	0.98	5.5%	0.95	0.90	0.95	1.01	1.04	1.02

PCB ICAL Summary - Ax2 Detail

SGS Analytical Perspectives

Printed: 28 Jul 2012 10:09

ICAL: MM7_PCB_07132012_25JUL12

Acquired: 26 Jul 2012

Name	Mean	% RSD	0.5	1	5	50	400	2000
			CS0	CS1	CS2	CS3	CS4	CS5
PCB-1 2-MoCB	1.03	7.6%	0.93	0.95	1.01	1.08	1.12	1.10
PCB-2 3-MoCB	1.04	8.7%	0.94	0.93	1.02	1.09	1.14	1.13
PCB-3 4-MoCB	1.04	7.6%	0.95	0.96	1.01	1.09	1.12	1.13
PCB-4 22'-DiCB	1.17	5.4%	1.12	1.09	1.13	1.22	1.24	1.21
PCB-10 26'-DiCB	1.83	5.6%	1.82	1.66	1.79	1.91	1.93	1.89
PCB-9 25'-DiCB	0.89	6.8%	0.81	0.84	0.88	0.95	0.95	0.95
PCB-7 24'-DiCB	1.02	6.7%	0.92	0.97	1.01	1.08	1.08	1.08
PCB-6 23'-DiCB	0.95	7.7%	0.86	0.87	0.93	1.01	1.01	1.01
PCB-5 23'-DiCB	0.97	5.9%	0.93	0.89	0.94	1.03	1.02	1.02
PCB-8 24'-DiCB	0.98	7.5%	0.88	0.91	0.98	1.04	1.05	1.04
PCB-14 35'-DiCB	1.16	6.1%	1.07	1.09	1.13	1.21	1.23	1.22
PCB-11 33'-DiCB	1.00	7.8%	0.88	0.95	0.98	1.05	1.07	1.07
PCB-13/12 34'-/34'-DiCB	1.02	6.5%	0.96	0.93	0.99	1.07	1.09	1.07
PCB-15 44'-DiCB	1.08	4.1%	1.03	1.05	1.04	1.10	1.14	1.12
PCB-19 22'6'-TrCB	1.09	5.8%	1.06	1.01	1.04	1.14	1.17	1.14
PCB-30/18 246-/22'5'-TrCB	1.46	6.7%	1.35	1.35	1.43	1.53	1.58	1.52
PCB-17 22'4'-TrCB	1.25	7.6%	1.14	1.16	1.20	1.32	1.36	1.33
PCB-27 23'6'-TrCB	1.69	6.2%	1.64	1.57	1.60	1.75	1.84	1.75
PCB-24 236'-TrCB	1.63	5.7%	1.55	1.51	1.61	1.68	1.72	1.74
PCB-16 22'3'-TrCB	0.95	9.5%	0.90	0.85	0.89	1.03	1.08	0.98
PCB-32 24'6'-TrCB	1.79	5.7%	1.70	1.67	1.72	1.86	1.91	1.87
PCB-34 2'35'-TrCB	1.05	5.4%	1.01	0.96	1.03	1.10	1.10	1.08
PCB-23 235'-TrCB	1.06	5.5%	1.00	0.99	1.03	1.11	1.11	1.10
PCB-26/29 23'5'-/245'-TrCB	1.09	4.8%	1.03	1.02	1.07	1.14	1.14	1.11
PCB-25 23'4'-TrCB	1.07	5.5%	1.03	1.00	1.04	1.14	1.14	1.10
PCB-31 24'5'-TrCB	1.11	5.6%	1.05	1.04	1.08	1.17	1.17	1.16
PCB-28/20 244'-/233'-TrCB	1.07	4.5%	1.03	1.01	1.04	1.12	1.12	1.09
PCB-21/33 234'-/2'34'-TrCB	1.09	5.2%	1.06	1.02	1.06	1.15	1.16	1.11
PCB-22 234'-TrCB	1.02	4.8%	0.97	0.96	0.98	1.07	1.07	1.05
PCB-36 33'5'-TrCB	1.13	4.3%	1.09	1.08	1.08	1.17	1.18	1.16
PCB-39 34'5'-TrCB	1.17	5.5%	1.10	1.09	1.14	1.22	1.24	1.21
PCB-38 345'-TrCB	1.03	5.9%	1.00	0.96	1.02	1.09	1.12	1.02
PCB-35 33'4'-TrCB	1.04	4.3%	1.03	0.98	1.00	1.07	1.09	1.07
PCB-37 344'-TrCB	1.10	3.7%	1.10	1.05	1.06	1.14	1.15	1.12
PCB-54 22'66'-TeCB	1.21	6.2%	1.13	1.13	1.17	1.27	1.30	1.25
PCB-50/53 22'46'-/22'56'-TeCB	0.86	5.4%	0.80	0.82	0.83	0.91	0.89	0.89
PCB-45 22'36'-TeCB	0.73	11.3%	0.64	0.64	0.70	0.79	0.77	0.84
PCB-51 22'46'-TeCB	0.88	4.5%	0.87	0.84	0.87	0.92	0.93	0.84
PCB-46 22'36'-TeCB	0.70	6.2%	0.64	0.66	0.67	0.74	0.73	0.73
PCB-52 22'55'-TeCB	0.84	4.7%	0.81	0.79	0.83	0.89	0.87	0.87

PCB-73 23'5'6TeCB	1.09	6.3%	1.06	1.04	1.00	1.14	1.11	1.19
PCB-43 22'35'-TeCB	0.72	7.1%	0.68	0.65	0.73	0.78	0.78	0.72
PCB-69/49 23'46-/22'45'TeCB	1.01	6.0%	0.95	0.94	0.99	1.08	1.06	1.06
PCB-48 22'45'-TeCB	0.85	5.7%	0.82	0.79	0.82	0.90	0.89	0.89
PCB-44/47/65 22'35'-/22'44'-	0.89	5.9%	0.85	0.82	0.87	0.95	0.94	0.92
PCB-59/62/75 233'6-/2346-/24	1.14	6.2%	1.08	1.05	1.13	1.22	1.22	1.14
PCB-42 22'34'-TeCB	0.77	6.6%	0.70	0.72	0.76	0.82	0.81	0.82
PCB-41 22'34'-TeCB	0.73	5.7%	0.75	0.70	0.66	0.75	0.73	0.78
PCB-71/40 23'4'6/22'33'-TeCB	0.87	6.0%	0.83	0.79	0.85	0.92	0.92	0.88
PCB-64 234'6'-TeCB	1.24	4.3%	1.20	1.17	1.20	1.29	1.28	1.27
PCB-72 23'55'-TeCB	1.14	6.7%	1.07	1.06	1.09	1.21	1.21	1.22
PCB-68 23'45'-TeCB	1.21	7.0%	1.14	1.10	1.16	1.27	1.29	1.30
PCB-57 233'5'-TeCB	1.11	6.3%	1.07	1.01	1.05	1.18	1.16	1.16
PCB-58 233'5'-TeCB	1.10	7.4%	1.01	1.01	1.07	1.17	1.17	1.18
PCB-67 23'45'-TeCB	1.16	5.4%	1.09	1.10	1.12	1.21	1.23	1.20
PCB-63 234'5'-TeCB	1.22	6.7%	1.13	1.13	1.17	1.29	1.29	1.29
PCB-61/70/74/76 2345-/23'4'5	1.13	6.7%	1.05	1.04	1.11	1.20	1.21	1.18
PCB-66 23'44'-TeCB	1.08	5.8%	1.03	0.99	1.04	1.13	1.13	1.13
PCB-55 233'4'-TeCB	1.10	6.1%	1.02	1.03	1.06	1.15	1.16	1.16
PCB-56 233'4'-TeCB	1.06	6.5%	1.01	0.97	1.00	1.12	1.12	1.12
PCB-60 2344'-TeCB	1.11	6.5%	1.06	1.02	1.06	1.16	1.18	1.18
PCB-80 33'55'-TeCB	1.25	6.6%	1.16	1.16	1.22	1.32	1.33	1.33
PCB-79 33'45'-TeCB	1.23	7.2%	1.15	1.16	1.16	1.31	1.36	1.26
PCB-78 33'45'-TeCB	1.08	5.3%	1.06	1.01	1.02	1.12	1.14	1.13
PCB-104 22'466'-PeCB	1.25	4.7%	1.25	1.15	1.23	1.32	1.31	1.27
PCB-96 22'366'-PeCB	1.08	4.8%	1.04	1.04	1.04	1.14	1.14	1.06
PCB-103 22'45'6'-PeCB	0.90	5.0%	0.87	0.85	0.86	0.95	0.93	0.95
PCB-94 22'356'-PeCB	0.78	6.6%	0.73	0.72	0.74	0.83	0.81	0.83
PCB-95 22'35'6'-PeCB	0.83	7.3%	0.77	0.74	0.82	0.88	0.86	0.88
PCB-100/93 22'44'6-/22'356-P	0.84	5.7%	0.80	0.78	0.84	0.92	0.86	0.87
PCB-102 22'456'-PeCB	0.90	8.4%	0.98	0.79	0.85	0.93	0.98	0.88
PCB-98 22'3'46'-PeCB	0.77	12.7%	0.59	0.78	0.76	0.82	0.80	0.88
PCB-88 22'346'-PeCB	0.79	6.5%	0.84	0.71	0.77	0.84	0.83	0.77
PCB-91 22'34'6'-PeCB	0.88	8.8%	0.76	0.84	0.86	0.93	0.92	0.97
PCB-84 22'33'6'-PeCB	0.71	6.1%	0.67	0.65	0.69	0.75	0.74	0.75
PCB-89 22'346'-PeCB	0.76	5.5%	0.72	0.71	0.75	0.81	0.79	0.80
PCB-121 23'45'6'-PeCB	1.14	5.1%	1.10	1.07	1.11	1.20	1.18	1.20
PCB-92 22'355'-PeCB	0.80	5.9%	0.75	0.74	0.78	0.85	0.84	0.84
PCB-113/90/101 233'5'6-/22'3	0.93	4.5%	0.90	0.88	0.92	0.99	0.97	0.95
PCB-83 22'33'5'-PeCB	0.71	4.1%	0.69	0.68	0.71	0.76	0.71	0.74
PCB-99 22'44'5'-PeCB	0.87	8.4%	0.85	0.75	0.85	0.92	0.96	0.90
PCB-112 233'56'-PeCB	1.13	3.6%	1.08	1.11	1.08	1.16	1.13	1.19
PCB-108/119/86/97/125/87 233	0.95	4.6%	0.92	0.88	0.94	1.00	0.99	0.95
PCB-117 234'56'-PeCB	1.04	5.1%	1.10	1.09	0.98	1.04	1.06	0.97
PCB-116/85 23456-/22'344'-Pe	0.97	7.9%	0.90	0.86	0.97	1.03	1.02	1.05
PCB-110 233'4'6'-PeCB	1.02	5.9%	1.01	0.92	1.01	1.07	1.08	1.05
PCB-115 2344'6'-PeCB	1.16	4.0%	1.17	1.11	1.10	1.19	1.17	1.21

PCB-82 22'33'4-PeCB	0.69	5.6%	0.65	0.65	0.67	0.72	0.73	0.73
PCB-111 233'55'-PeCB	1.15	5.4%	1.08	1.08	1.13	1.21	1.21	1.22
PCB-120 23'455'-PeCB	1.16	4.9%	1.11	1.08	1.15	1.20	1.21	1.21
PCB-107/124 233'4'5-/2'3455'	1.07	5.5%	1.02	1.00	1.06	1.13	1.12	1.12
PCB-109 233'46-PeCB	1.14	6.6%	1.11	1.08	1.04	1.23	1.19	1.20
PCB-106 233'45-PeCB	1.07	6.1%	1.04	0.97	1.08	1.14	1.13	1.07
PCB-122 2'33'45-PeCB	1.00	4.8%	0.94	0.98	0.96	1.04	1.04	1.05
PCB-127 33'455'-PeCB	1.10	5.0%	1.04	1.04	1.07	1.14	1.17	1.13
PCB-155 22'44'66'-HxCB	1.09	4.7%	1.03	1.06	1.04	1.13	1.15	1.13
PCB-152 22'3566'-HxCB	1.01	5.2%	0.98	0.94	0.98	1.05	1.08	1.05
PCB-150 22'34'66'-HxCB	1.00	8.2%	0.90	0.92	0.98	1.07	1.09	1.07
PCB-136 22'33'66'-HxCB	0.95	5.5%	0.89	0.90	0.92	0.99	1.01	1.00
PCB-145 22'3466'HxCB	0.96	6.9%	0.86	0.91	0.94	1.00	1.03	1.02
PCB-148 22'34'56'-HxCB	0.97	7.6%	0.91	0.88	0.92	1.02	1.05	1.04
PCB-151/135 22'355'6-/22'33'	0.96	5.1%	0.93	0.91	0.92	1.00	1.02	1.00
PCB-154 22'44'5'6-HxCB	1.09	5.8%	1.03	1.02	1.06	1.14	1.16	1.14
PCB-144 22'345'6-HxCB	0.98	6.3%	0.94	0.90	0.95	1.03	1.04	1.04
PCB-147/149 22'34'56-/22'34'	0.99	5.9%	0.94	0.91	0.95	1.03	1.05	1.03
PCB-134 22'33'56-HxCB	0.80	5.7%	0.74	0.83	0.76	0.82	0.86	0.80
PCB-143 22'3456'-HxCB	0.95	9.3%	1.01	0.80	0.90	0.99	1.00	1.03
PCB-139/140 22'344'6-/22'344'	1.00	6.3%	0.94	0.92	0.97	1.05	1.07	1.05
PCB-131 22'33'46-HxCB	0.85	7.1%	0.77	0.79	0.83	0.89	0.92	0.89
PCB-142 22'3456-HxCB	0.87	6.1%	0.83	0.81	0.84	0.91	0.93	0.92
PCB-132 22'33'46'-HxCB	0.89	6.5%	0.86	0.80	0.86	0.93	0.95	0.93
PCB-133 22'33'55'-HxCB	0.91	7.2%	0.83	0.87	0.88	0.96	0.99	0.97
PCB-165 233'55'6-HxCB	1.13	6.0%	1.07	1.06	1.08	1.18	1.21	1.19
PCB-146 22'34'55'-HxCB	1.01	5.9%	1.01	0.92	0.95	1.03	1.06	1.07
PCB-161 233'45'6-HxCB	1.25	6.3%	1.17	1.18	1.20	1.33	1.35	1.28
PCB-153/168 22'44'55'-/23'44'	1.22	5.7%	1.21	1.13	1.15	1.28	1.30	1.25
PCB-141 22'3455'-HxCB	0.93	5.6%	0.89	0.86	0.89	0.96	0.98	0.98
PCB-130 22'33'45'-HxCB	0.85	5.1%	0.85	0.78	0.81	0.87	0.89	0.88
PCB-137 22'344'5-HxCB	1.04	5.8%	0.95	1.01	1.05	1.11	1.03	1.10
PCB-164 233'4'5'6-HxCB	1.22	7.7%	1.19	1.16	1.12	1.23	1.38	1.26
PCB-163/138/129 233'4'56-/22'	1.02	5.4%	0.98	0.96	1.00	1.07	1.10	1.04
PCB-160 233'456-HxCB	1.21	4.4%	1.20	1.17	1.13	1.24	1.26	1.26
PCB-158 233'44'6-HxCB	1.34	4.3%	1.29	1.27	1.30	1.38	1.41	1.38
PCB-128/166 22'33'44'-/2344'5	0.90	4.4%	0.86	0.86	0.87	0.93	0.94	0.93
PCB-159 233'455'-HxCB	1.06	5.4%	1.03	0.99	1.02	1.11	1.13	1.11
PCB-162 233'4'55'-HxCB	1.08	5.5%	1.05	0.98	1.05	1.12	1.14	1.12
PCB-188 22'34'566'-HpCB	1.03	6.0%	0.93	0.99	1.02	1.08	1.10	1.07
PCB-179 22'33'566'-HpCB	0.97	4.7%	0.92	0.91	0.94	1.01	1.02	1.00
PCB-184 22'344'66'-HpCB	0.93	5.9%	0.87	0.88	0.90	0.97	1.00	0.97
PCB-176 22'33'466'-HpCB	1.05	5.3%	0.98	0.99	1.04	1.09	1.10	1.09
PCB-186 22'34566'-HpCB	0.98	5.1%	0.93	0.92	0.97	1.02	1.03	1.02
PCB-178 22'33'55'6-HpCB	0.74	3.9%	0.71	0.70	0.72	0.75	0.77	0.76
PCB-175 22'33'45'6-HpCB	1.01	7.2%	0.93	0.92	0.99	1.06	1.08	1.07
PCB-187 22'34'55'6-HpCB	1.06	6.6%	0.97	0.99	1.06	1.12	1.13	1.11

PCB-182	22'344'56'-HpCB	1.11	3.6%	1.07	1.09	1.07	1.14	1.15	1.14
PCB-183	22'344'5'6'-HpCB	1.13	9.3%	0.99	1.03	1.15	1.19	1.26	1.18
PCB-185	22'3455'6'-HpCB	1.02	3.7%	1.00	1.01	0.96	1.04	1.03	1.07
PCB-174	22'33'456'-HpCB	0.93	3.6%	0.89	0.90	0.91	0.95	0.96	0.96
PCB-177	22'33'4'56'-HpCB	0.91	5.5%	0.85	0.85	0.89	0.94	0.96	0.95
PCB-181	22'344'56'-HpCB	1.06	3.7%	1.05	1.02	1.02	1.08	1.11	1.10
PCB-171/173	22'33'44'6'-/22'3	0.93	4.2%	0.90	0.87	0.90	0.95	0.97	0.96
PCB-172	22'33'455'-HpCB	0.95	3.9%	0.94	0.91	0.92	0.97	1.00	0.98
PCB-192	233'455'6'-HpCB	1.24	4.6%	1.22	1.15	1.21	1.27	1.30	1.29
PCB-180/193	22'344'55'-/233'	1.16	5.1%	1.14	1.06	1.14	1.19	1.22	1.20
PCB-191	233'44'5'6'-HpCB	1.30	4.1%	1.33	1.22	1.25	1.32	1.36	1.34
PCB-170	22'33'44'5'-HpCB	1.07	5.7%	1.03	0.99	1.04	1.12	1.13	1.13
PCB-190	233'44'56'-HpCB	1.45	5.6%	1.36	1.37	1.41	1.49	1.54	1.54
PCB-202	22'33'55'66'-OcCB	0.91	4.7%	0.90	0.85	0.89	0.95	0.96	0.94
PCB-201	22'33'45'66'-OcCB	1.02	4.5%	0.97	0.97	1.00	1.06	1.07	1.05
PCB-204	22'344'566'-OcCB	0.98	4.6%	1.01	0.90	0.95	1.00	1.01	0.99
PCB-197	22'33'44'66'-OcCB	1.06	2.7%	1.06	1.07	1.03	1.06	1.12	1.05
PCB-200	22'33'4566'-OcCB	0.96	8.8%	0.93	0.81	0.95	1.03	1.01	1.03
PCB-198/199	22'33'455'6'-/22'	0.72	4.6%	0.71	0.67	0.69	0.74	0.76	0.73
PCB-196	22'33'44'56'-OcCB	0.73	6.5%	0.66	0.69	0.72	0.76	0.79	0.76
PCB-203	22'344'55'6'-OcCB	0.76	5.9%	0.72	0.72	0.74	0.80	0.82	0.80
PCB-195	22'33'44'56'-OcCB	0.80	6.2%	0.78	0.73	0.76	0.84	0.85	0.84
PCB-194	22'33'44'55'-OcCB	0.87	3.4%	0.86	0.84	0.84	0.90	0.91	0.89
PCB-205	233'44'55'6'-OcCB	1.09	4.2%	1.09	1.02	1.04	1.11	1.14	1.12
PCB-208	22'33'455'66'-NoCB	1.02	5.3%	0.97	0.96	0.98	1.06	1.08	1.06
PCB-207	22'33'44'566'-NoCB	1.06	5.4%	1.00	1.00	1.02	1.10	1.12	1.10
PCB-206	22'33'44'55'6'-NoCB	0.98	5.5%	0.95	0.90	0.95	1.01	1.04	1.02

1668A/B ICALS										
Ax	RSD	Mean	sd	MM4_PCB_01102012_25JUL12	MM4_PCB_07132012_25JUL12	RSD	Mean	sd	PD from Mean	
77	7.6	1.04	0.08	1.11	1.13	1.2	1.12	0.01	0.9%	
81	9.8	1.09	0.11	1.13	1.13	0.0	1.13	0.00	0.0%	
105	8.6	0.98	0.08	1.11	1.09	0.8	1.10	0.01	-0.6%	
114	8.5	0.97	0.08	1.18	1.16	1.0	1.17	0.01	-0.7%	
118	7.2	0.98	0.07	1.11	1.11	0.4	1.11	0.00	-0.3%	
123	6.4	0.97	0.06	1.08	1.19	6.7	1.13	0.08	4.7%	
126	8.2	0.98	0.08	1.07	1.06	0.3	1.06	0.00	-0.2%	
156/157	4.6	0.97	0.05	1.09	1.11	1.0	1.10	0.01	0.7%	
167	5.2	0.96	0.05	1.14	1.14	0.5	1.14	0.01	-0.4%	
169	4.6	0.93	0.04	1.09	1.11	1.1	1.10	0.01	0.8%	
189	9.8	0.93	0.09	1.07	1.06	0.8	1.06	0.01	-0.6%	
1	10.9	1.18	0.13	1.02	1.03	0.7	1.03	0.01	0.5%	
3	9.5	1.18	0.11	0.98	1.04	4.7	1.01	0.05	3.3%	
4	10.4	0.97	0.10	1.11	1.17	3.6	1.14	0.04	2.5%	
15	7.2	0.99	0.07	0.99	1.08	6.4	1.03	0.07	4.5%	
19	5.3	1.04	0.06	1.10	1.09	0.7	1.10	0.01	-0.5%	
37	8.1	1.05	0.08	1.00	1.10	7.0	1.05	0.07	4.9%	
54	9.1	1.02	0.09	1.18	1.21	1.7	1.19	0.02	1.2%	
104	9.0	1.00	0.09	1.11	1.25	8.4	1.18	0.10	5.9%	
153				1.19	1.22					
155	5.1	1.02	0.05	1.08	1.09	0.6	1.09	0.01	0.4%	
170				1.06	1.07					
180				1.08	1.16					
188	6.5	1.06	0.07	1.03	1.03	0.1	1.03	0.00	0.1%	
202	7.6	0.87	0.07	0.93	0.91	0.8	0.92	0.01	-0.6%	
205	5.8	1.02	0.06	1.07	1.09	1.0	1.08	0.01	0.7%	
208	4.5	0.94	0.04	1.02	1.02	0.1	1.02	0.00	-0.1%	
206	7.1	0.98	0.07	0.99	0.98	1.0	0.99	0.01	-0.7%	
209	6.4	0.94	0.06	1.07	1.07	0.2	1.07	0.00	#REF!	
ES						#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
1	10.8	0.98	0.11	1.08	1.08	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
3	10.3	0.98	0.10	1.14	1.08					
4	8.3	0.71	0.06	0.50	0.49					
15	6.3	1.05	0.07	1.18	1.11	4.4	1.15	0.05	-3.1%	
19	8.4	0.58	0.05	0.53	0.55	2.7	0.54	0.01	1.9%	
37	7.8	1.40	0.11	1.64	1.64	0.2	1.64	0.00	-0.2%	
54	13.1	1.35	0.18	0.87	0.94	5.7	0.90	0.05	4.0%	
77	7.9	1.20	0.10	1.26	1.35	4.5	1.31	0.06	3.2%	
81	7.0	1.17	0.08	1.20	1.29	5.1	1.24	0.06	3.6%	
104	12.1	1.48	0.18	1.08	0.99	6.2	1.04	0.06	-4.3%	
105	5.1	1.18	0.06	1.22	1.23	1.0	1.23	0.01	0.7%	
114	4.2	1.23	0.05	1.24	1.25	0.2	1.25	0.00	0.1%	
118	5.2	1.24	0.07	1.28	1.28	0.3	1.28	0.00	0.2%	
123	5.4	1.20	0.06	1.35	1.22	7.4	1.29	0.09	-5.2%	
126	8.5	1.29	0.11	1.22	1.20	1.2	1.21	0.01	-0.8%	
153				1.10	1.14					
155	5.0	1.51	0.08	1.41	1.50	4.0	1.45	0.06	2.9%	
156/157	15.9	1.15	0.18	1.41	1.45	2.4	1.43	0.03	1.7%	
167	14.1	1.18	0.17	1.43	1.49	3.3	1.46	0.05	2.4%	
169	19.8	1.10	0.22	1.37	1.40	1.8	1.39	0.03	1.3%	
170				1.04	1.00					
180				1.28	1.16					
188	12.9	1.39	0.18	1.12	1.18	3.5	1.15	0.04	2.5%	
189	9.1	1.70	0.15	1.53	1.49	1.9	1.51	0.03	-1.4%	
202	9.7	1.32	0.13	1.07	1.14	4.6	1.10	0.05	3.2%	

205	4.3	1.26	0.05	1.26	1.20	3.1	1.23	0.04	-2.2%
206	7.4	0.94	0.07	0.90	0.87	2.4	0.89	0.02	-1.7%
208	8.5	1.31	0.11	1.22	1.19	1.8	1.21	0.02	-1.2%
209	6.3	1.21	0.08	1.06	1.00	4.1	1.03	0.04	-2.9%
SS						#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
28	7.1	1.11	0.08	0.98	1.07	6.5	1.03	0.07	4.6%
111	6.3	1.07	0.07	0.90	1.01	7.8	0.95	0.07	5.5%
178	4.6	0.68	0.03	0.62	0.63	0.9	0.62	0.01	0.6%

Additional Ax						RSD	Mean	sd	PD from Historical Mean
PCB-1 2-MoCB	1.02	1.03				0.7	1.03	0.01	0.5%
PCB-2 3-MoCB	0.97	1.04				4.7	1.01	0.05	3.4%
PCB-3 4-MoCB	0.98	1.04				4.7	1.01	0.05	3.3%
PCB-4 22'-DiCB	1.11	1.17				3.6	1.14	0.04	2.5%
PCB-10 26-DiCB	1.71	1.83				4.8	1.77	0.08	3.4%
PCB-9 25-DiCB	0.83	0.89				5.6	0.86	0.05	4.0%
PCB-7 24-DiCB	0.95	1.02				5.4	0.99	0.05	3.8%
PCB-6 23'-DiCB	0.89	0.95				4.3	0.92	0.04	3.0%
PCB-5 23-DiCB	0.89	0.97				5.9	0.93	0.06	4.2%
PCB-8 24'-DiCB	0.93	0.98				4.0	0.96	0.04	2.8%
PCB-14 35-DiCB	1.07	1.16				5.5	1.11	0.06	3.9%
PCB-11 33'-DiCB	0.94	1.00				4.6	0.97	0.04	3.3%
PCB-13/12 34'-/34-DiCB	0.95	1.02				4.9	0.98	0.05	3.5%
PCB-15 44'-DiCB	0.99	1.08				6.4	1.03	0.07	4.5%
PCB-19 22'6-TrCB	1.10	1.09				0.7	1.10	0.01	-0.5%
PCB-30/18 246-/22'5-TrCB	1.48	1.46				1.1	1.47	0.02	-0.8%
PCB-17 22'4-TrCB	1.28	1.25				1.7	1.27	0.02	-1.2%
PCB-27 23'6-TrCB	1.70	1.69				0.3	1.70	0.01	-0.2%
PCB-24 236-TrCB	1.63	1.63				0.2	1.63	0.00	0.2%
PCB-16 22'3-TrCB	0.97	0.95				1.3	0.96	0.01	-0.9%
PCB-32 24'6-TrCB	1.81	1.79				0.9	1.80	0.02	-0.7%
PCB-34 2'35-TrCB	0.98	1.05				5.1	1.01	0.05	3.6%
PCB-23 235-TrCB	0.98	1.06				5.3	1.02	0.05	3.7%
PCB-26/29 23'5-/24'5-TrCB	1.00	1.09				5.6	1.04	0.06	4.0%
PCB-25 23'4-TrCB	0.99	1.07				5.9	1.03	0.06	4.1%
PCB-31 24'5-TrCB	1.03	1.11				5.2	1.07	0.06	3.7%
PCB-28/20 244'-/23'3-TrCB	0.98	1.07				5.7	1.03	0.06	4.1%
PCB-21/33 234'-/2'34-TrCB	1.01	1.09				5.5	1.05	0.06	3.9%
PCB-22 234'-TrCB	0.93	1.02				6.0	0.97	0.06	4.3%
PCB-36 33'5-TrCB	1.03	1.13				6.5	1.08	0.07	4.6%
PCB-39 34'5-TrCB	1.10	1.17				4.0	1.13	0.05	2.8%
PCB-38 345-TrCB	0.95	1.03				5.7	0.99	0.06	4.1%
PCB-35 33'4-TrCB	0.96	1.04				6.0	1.00	0.06	4.2%
PCB-37 344'-TrCB	1.00	1.10				7.0	1.05	0.07	4.9%
PCB-54 22'66'-TeCB	1.18	1.21				1.7	1.19	0.02	1.2%
PCB-50/53 22'46-/22'56'-TeCB	0.85	0.86				0.8	0.85	0.01	0.6%
PCB-45 22'36'-TeCB	0.75	0.73				1.7	0.74	0.01	-1.2%
PCB-51 22'46'-TeCB	0.85	0.88				2.7	0.86	0.02	1.9%
PCB-46 22'36'-TeCB	0.68	0.70				1.2	0.69	0.01	0.9%
PCB-52 22'55'-TeCB	0.82	0.84				2.0	0.83	0.02	1.4%
PCB-73 23'5'6TeCB	1.10	1.09				0.6	1.09	0.01	-0.4%
PCB-43 22'35'-TeCB	0.66	0.72				7.0	0.69	0.05	4.9%
PCB-69/49 23'46-/22'45'-TeCB	1.00	1.01				0.8	1.01	0.01	0.6%
PCB-48 22'45'-TeCB	0.83	0.85				1.5	0.84	0.01	1.1%
PCB-44/47/65 22'35'-/22'44'-	0.88	0.89				0.5	0.89	0.00	0.4%
PCB-59/62/75 23'3'6-/23'46-/24	1.12	1.14				1.1	1.13	0.01	0.8%
PCB-42 22'34'-TeCB	0.77	0.77				0.1	0.77	0.00	0.1%
PCB-41 22'34'-TeCB	0.72	0.73				1.0	0.72	0.01	0.7%

PCB-71/40 23'4'6/22'33'-TeCB	0.85	0.87	1.2	0.86	0.01	0.9%
PCB-64 23'4'-TeCB	1.21	1.24	1.6	1.22	0.02	1.1%
PCB-72 23'55'-TeCB	1.13	1.14	0.7	1.14	0.01	0.5%
PCB-68 23'45'-TeCB	1.21	1.21	0.1	1.21	0.00	-0.1%
PCB-57 23'35'-TeCB	1.10	1.11	0.1	1.10	0.00	0.0%
PCB-58 23'35'-TeCB	1.11	1.10	0.7	1.11	0.01	-0.5%
PCB-67 23'45'-TeCB	1.15	1.16	0.7	1.15	0.01	0.5%
PCB-63 23'45'-TeCB	1.22	1.22	0.4	1.22	0.01	-0.3%
PCB-61/70/74/76 23'45'-/23'4'5'	1.13	1.13	0.1	1.13	0.00	-0.1%
PCB-66 23'44'-TeCB	1.06	1.08	0.7	1.07	0.01	0.5%
PCB-55 23'3'4'-TeCB	1.09	1.10	0.6	1.09	0.01	0.4%
PCB-56 23'3'4'-TeCB	1.05	1.06	0.1	1.05	0.00	0.1%
PCB-60 23'44'-TeCB	1.12	1.11	0.4	1.11	0.00	-0.2%
PCB-80 33'55'-TeCB	1.26	1.25	0.2	1.25	0.00	-0.2%
PCB-79 33'45'-TeCB	1.26	1.23	1.4	1.25	0.02	-1.0%
PCB-78 33'45'-TeCB	1.09	1.08	0.5	1.08	0.01	-0.4%
PCB-104 22'466'-PeCB	1.11	1.25	8.4	1.18	0.10	5.9%
PCB-96 22'366'-PeCB	0.98	1.08	6.6	1.03	0.07	4.7%
PCB-103 22'45'6'-PeCB	0.80	0.90	8.1	0.85	0.07	5.7%
PCB-94 22'356'-PeCB	0.70	0.78	7.3	0.74	0.05	5.2%
PCB-95 22'35'6'-PeCB	0.75	0.83	7.1	0.79	0.06	5.1%
PCB-100/93 22'44'6'-/22'356'-P	0.76	0.84	7.1	0.80	0.06	5.0%
PCB-102 22'456'-PeCB	0.82	0.90	6.6	0.86	0.06	4.7%
PCB-98 22'3'46'-PeCB	0.69	0.77	7.8	0.73	0.06	5.5%
PCB-88 22'346'-PeCB	0.67	0.79	11.7	0.73	0.09	8.3%
PCB-91 22'34'6'-PeCB	0.84	0.88	3.2	0.86	0.03	2.3%
PCB-84 22'33'6'-PeCB	0.65	0.71	6.7	0.68	0.05	4.7%
PCB-89 22'346'-PeCB	0.68	0.76	7.7	0.72	0.06	5.5%
PCB-121 23'45'6'-PeCB	1.02	1.14	8.0	1.08	0.09	5.6%
PCB-92 22'355'-PeCB	0.73	0.80	6.4	0.77	0.05	4.5%
PCB-113/90/101 23'3'5'6'-/22'3'	0.85	0.93	6.5	0.89	0.06	4.6%
PCB-83 22'33'5'-PeCB	0.63	0.71	8.3	0.67	0.06	5.9%
PCB-99 22'44'5'-PeCB	0.82	0.87	4.5	0.84	0.04	3.2%
PCB-112 23'3'56'-PeCB	1.01	1.13	7.6	1.07	0.08	5.4%
PCB-108/119/86/97/125/87 233	0.87	0.95	6.5	0.91	0.06	4.6%
PCB-117 23'4'56'-PeCB	0.96	1.04	5.9	1.00	0.06	4.2%
PCB-116/85 23'456'-/22'344'-Pe	0.87	0.97	8.1	0.92	0.07	5.7%
PCB-110 23'3'4'6'-PeCB	0.95	1.02	5.4	0.98	0.05	3.8%
PCB-115 23'44'6'-PeCB	1.02	1.16	8.7	1.09	0.09	6.1%
PCB-82 22'33'4'-PeCB	0.63	0.69	6.5	0.66	0.04	4.6%
PCB-111 23'3'55'-PeCB	1.05	1.15	7.0	1.10	0.08	4.9%
PCB-120 23'455'-PeCB	1.05	1.16	6.7	1.11	0.07	4.8%
PCB-107/124 23'3'4'5'-/2'3455'	0.99	1.07	6.1	1.03	0.06	4.3%
PCB-109 23'3'46'-PeCB	1.05	1.14	5.7	1.10	0.06	4.0%
PCB-106 22'33'45'-PeCB	0.98	1.07	5.9	1.03	0.06	4.2%
PCB-122 2'33'45'-PeCB	1.01	1.00	0.8	1.01	0.01	-0.6%
PCB-127 33'455'-PeCB	1.12	1.10	1.3	1.11	0.01	-0.9%
PCB-155 22'44'66'-HxCB	1.08	1.09	0.6	1.09	0.01	0.4%
PCB-152 22'3566'-HxCB	1.00	1.01	0.7	1.01	0.01	0.5%
PCB-150 22'34'66'-HxCB	1.03	1.00	2.0	1.02	0.02	-1.4%
PCB-136 22'33'66'-HxCB	0.95	0.95	0.3	0.95	0.00	0.2%
PCB-145 22'3466'HxCB	0.98	0.96	1.0	0.97	0.01	-0.7%
PCB-148 22'34'56'-HxCB	0.96	0.97	1.0	0.96	0.01	0.7%
PCB-151/135 22'355'6'-/22'33'	0.94	0.96	1.8	0.95	0.02	1.3%
PCB-154 22'44'5'6'-HxCB	1.05	1.09	2.7	1.07	0.03	1.9%
PCB-144 22'345'6'-HxCB	0.96	0.98	1.3	0.97	0.01	0.9%
PCB-147/149 22'34'56'-/22'34'	0.96	0.99	1.6	0.97	0.02	1.1%
PCB-134 22'33'56'-HxCB	0.78	0.80	1.6	0.79	0.01	1.1%
PCB-143 22'3456'-HxCB	0.92	0.95	2.6	0.94	0.02	1.8%
PCB-139/140 22'344'6'-/22'344'	0.99	1.00	0.9	0.99	0.01	0.6%
PCB-131 22'33'46'-HxCB	0.84	0.85	1.0	0.84	0.01	0.7%
PCB-142 22'3456'-HxCB	0.86	0.87	1.0	0.87	0.01	0.7%
PCB-132 22'33'46'-HxCB	0.87	0.89	1.4	0.88	0.01	1.0%
PCB-133 22'33'55'-HxCB	0.92	0.91	0.7	0.92	0.01	-0.5%

PCB-165 233'55'6"-HxCB	1.12	1.13	0.8	1.13	0.01	0.6%
PCB-146 22'34'55"-HxCB	0.99	1.01	1.5	1.00	0.01	1.1%
PCB-161 233'45'6"-HxCB	1.24	1.25	0.5	1.25	0.01	0.4%
PCB-153/168 22'44'55"-/23'44'	1.19	1.22	1.8	1.20	0.02	1.3%
PCB-141 22'34'55"-HxCB	0.92	0.93	0.5	0.92	0.00	0.4%
PCB-130 22'33'45"-HxCB	0.82	0.85	2.0	0.84	0.02	1.4%
PCB-137 22'344'5"-HxCB	1.00	1.04	2.9	1.02	0.03	2.1%
PCB-164 233'4'5'6"-HxCB	1.21	1.22	0.8	1.22	0.01	0.6%
PCB-163/138/129 233'4'56"-/22'	1.01	1.02	1.0	1.02	0.01	0.7%
PCB-160 233'456"-HxCB	1.18	1.21	1.7	1.19	0.02	1.2%
PCB-158 233'44'6"-HxCB	1.30	1.34	2.1	1.32	0.03	1.5%
PCB-128/166 22'33'44"-/2344'5	0.91	0.90	1.1	0.91	0.01	-0.8%
PCB-159 233'455"-HxCB	1.07	1.06	0.8	1.07	0.01	-0.5%
PCB-162 233'4'55"-HxCB	1.09	1.08	1.2	1.08	0.01	-0.8%
PCB-188 22'34'566"-HpCB	1.03	1.03	0.1	1.03	0.00	0.1%
PCB-179 22'33'566"-HpCB	0.95	0.97	1.6	0.96	0.02	1.2%
PCB-184 22'344'66"-HpCB	0.94	0.93	0.9	0.94	0.01	-0.6%
PCB-176 22'33'466"-HpCB	1.05	1.05	0.3	1.05	0.00	-0.2%
PCB-186 22'34566"-HpCB	0.98	0.98	0.1	0.98	0.00	0.1%
PCB-178 22'33'55'6"-HpCB	0.73	0.74	0.2	0.73	0.00	0.2%
PCB-175 22'33'45'6"-HpCB	0.95	1.01	4.2	0.98	0.04	3.0%
PCB-187 22'34'55'6"-HpCB	0.99	1.06	5.1	1.03	0.05	3.6%
PCB-182 22'344'56"-HpCB	1.02	1.11	6.0	1.07	0.06	4.2%
PCB-183 22'344'5'6"-HpCB	1.06	1.13	4.9	1.10	0.05	3.5%
PCB-185 22'3455'6"-HpCB	0.95	1.02	5.1	0.98	0.05	3.6%
PCB-174 22'33'456"-HpCB	0.83	0.93	7.8	0.88	0.07	5.5%
PCB-177 22'33'4'56"-HpCB	0.85	0.91	4.6	0.88	0.04	3.3%
PCB-181 22'344'56"-HpCB	0.98	1.06	5.4	1.02	0.06	3.8%
PCB-171/173 22'33'44'6"-/22'3	0.85	0.93	6.1	0.89	0.05	4.3%
PCB-172 22'33'455"-HpCB	0.88	0.95	6.0	0.92	0.05	4.2%
PCB-192 233'455'6"-HpCB	1.12	1.24	7.1	1.18	0.08	5.0%
PCB-180/193 22'344'55"-/233'	1.08	1.16	5.1	1.12	0.06	3.6%
PCB-191 233'44'5'6"-HpCB	1.20	1.30	5.9	1.25	0.07	4.2%
PCB-170 22'33'44'5"-HpCB	1.06	1.07	1.1	1.07	0.01	0.8%
PCB-190 233'44'56"-HpCB	1.42	1.45	1.7	1.43	0.02	1.2%
PCB-202 22'33'55'66"-OcCB	0.93	0.91	0.8	0.92	0.01	-0.6%
PCB-201 22'33'45'66"-OcCB	1.04	1.02	1.2	1.03	0.01	-0.9%
PCB-204 22'344'566"-OcCB	0.99	0.98	1.0	0.98	0.01	-0.7%
PCB-197 22'33'44'66"-OcCB	1.03	1.06	2.0	1.05	0.02	1.4%
PCB-200 22'33'4566"-OcCB	1.02	0.96	4.1	0.99	0.04	-2.9%
PCB-198/199 22'33'455'6"-/22'	0.74	0.72	2.1	0.73	0.01	-1.5%
PCB-196 22'33'44'56"-OcCB	0.77	0.73	3.7	0.75	0.03	-2.6%
PCB-203 22'344'55'6"-OcCB	0.80	0.76	3.0	0.78	0.02	-2.1%
PCB-195 22'33'44'56"-OcCB	0.79	0.80	0.8	0.80	0.01	0.6%
PCB-194 22'33'44'55"-OcCB	0.87	0.87	0.4	0.87	0.00	0.2%
PCB-205 233'44'55'6"-OcCB	1.07	1.09	1.0	1.08	0.01	0.7%
PCB-208 22'33'455'66"-NoCB	1.02	1.02	0.1	1.02	0.00	-0.1%
PCB-207 22'33'44'566"-NoCB	1.07	1.06	0.7	1.06	0.01	-0.5%
PCB-206 22'33'44'55'6"-NoCB	0.99	0.98	0.7	0.99	0.01	-0.5%

Instrument: MM7 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
15	120725X15	Tray1:50	CS0_120725_PCB_XC	0.03	SIL 12-65-6	LKB	094-961	26-Jul-2012	02:56:49
16	120725X16	Tray1:51	CS1_120725_PCB_XB	0.03	SIL 12-65-5	LKB	824-792	26-Jul-2012	03:50:43
17	120725X17	Tray1:52	CS2_120725_PCB_XB	0.03	SIL 12-65-4	LKB	175-178	26-Jul-2012	04:44:38
18	120725X18	Tray1:53	CS3_120725_PCB_XB	0.03	SIL 12-65-3	LKB	426-138	26-Jul-2012	05:38:32
19	120725X19	Tray1:54	CS4_120725_PCB_XB	0.03	SIL 12-65-2	LKB	276-589	26-Jul-2012	06:32:28
20	120725X20	Tray1:55	CS5_120725_PCB_XB	0.03	SIL 12-65-1	LKB	951-239	26-Jul-2012	07:26:23
21	120725X21	Tray1:02	SBS_120725_PCB_XH	0.03	SIL 9-41-1	LKB	476-201	26-Jul-2012	08:33:09
22	120725X22	Tray1:02	SBS_120725_PCB_XI	0.03	SIL 9-41-1	LKB	961-294	26-Jul-2012	09:25:22

REVIEWED*By Laura Boivin at 11:26 am, Jul 28, 2012*

PCB QC Summary

SGS Analytical Perspectives

Printed: 28-Jul-2012 10:10

Lab ID: CS0_120725_PCB_XC
 Acquired: 26-JUL-2012 02:56
 Datafile: 120725X15

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	30.54	4.40E+05	0.84 Y	1.13	1.12	-1.0%
PCB-81 344'5'-TeCB	30.07	4.09E+05	0.74 Y	1.13	1.09	-3.0%
PCB-105 233'44'-PeCB	33.49	3.57E+05	0.63 Y	1.09	1.07	-2.0%
PCB-114 2344'5'-PeCB	32.96	3.71E+05	0.58 Y	1.16	1.10	-5.3%
PCB-118 23'44'5'-PeCB	32.51	3.93E+05	0.61 Y	1.11	1.13	2.3%
PCB-123 2'344'5'-PeCB	32.23	3.85E+05	0.61 Y	1.19	1.18	-0.6%
PCB-126 33'44'5'-PeCB	36.08	3.40E+05	0.62 Y	1.06	1.04	-1.9%
PCB-156/157 233'44'5'/233'44'5'	38.61	7.14E+05	1.28 Y	1.11	1.09	-2.0%
PCB-167 23'44'55'-HxCB	37.65	3.68E+05	1.22 Y	1.14	1.08	-4.5%
PCB-169 33'44'55'-HxCB	41.31	3.38E+05	1.15 Y	1.11	1.07	-4.1%
PCB-189 233'44'55'-HpCB	43.43	3.13E+05	1.11 Y	1.06	1.03	-2.6%
PCB-209 DeCB	48.38	2.29E+05	1.17 Y	1.07	1.10	2.3%
ES PCB-1	10.64	1.17E+08	3.14 Y	1.08	1.09	0.4%
ES PCB-3	12.70	1.16E+08	3.23 Y	1.08	1.08	-0.7%
ES PCB-4	12.92	5.31E+07	1.59 Y	0.49	0.49	0.6%
ES PCB-15	18.24	1.19E+08	1.59 Y	1.11	1.10	-0.6%
ES PCB-19	15.75	6.04E+07	1.05 Y	0.55	0.56	0.7%
ES PCB-37	24.32	9.54E+07	1.06 Y	1.64	1.63	-0.6%
ES PCB-54	18.49	5.54E+07	0.77 Y	0.94	0.94	0.4%
ES PCB-77	30.52	7.84E+07	0.80 Y	1.35	1.34	-0.9%
ES PCB-81	30.05	7.47E+07	0.79 Y	1.29	1.27	-1.1%
ES PCB-104	23.28	5.31E+07	1.58 Y	0.99	0.98	-1.1%
ES PCB-105	33.46	6.66E+07	1.64 Y	1.23	1.23	-0.1%
ES PCB-114	32.93	6.76E+07	1.62 Y	1.25	1.25	0.2%
ES PCB-118	32.49	6.94E+07	1.61 Y	1.28	1.28	0.2%
ES PCB-123	32.21	6.52E+07	1.58 Y	1.22	1.21	-1.0%
ES PCB-126	36.06	6.53E+07	1.59 Y	1.20	1.21	0.7%
ES PCB-153	34.06	5.07E+07	1.30 Y	1.14	1.14	-0.2%
ES PCB-155	28.13	6.64E+07	1.26 Y	1.50	1.49	-0.2%
ES PCB-156/157	38.59	1.32E+08	1.29 Y	1.45	1.48	1.6%
ES PCB-167	37.63	6.78E+07	1.27 Y	1.49	1.52	1.9%
ES PCB-169	41.29	6.34E+07	1.28 Y	1.40	1.42	1.3%
ES PCB-170	40.80	4.16E+07	1.06 Y	1.00	1.01	0.9%
ES PCB-180	39.76	4.71E+07	1.05 Y	1.16	1.15	-1.1%
ES PCB-188	32.94	5.30E+07	1.07 Y	1.18	1.19	1.0%
ES PCB-189	43.41	6.08E+07	1.04 Y	1.49	1.48	-0.6%
ES PCB-202	37.43	5.12E+07	0.90 Y	1.14	1.15	1.1%
ES PCB-205	45.56	4.94E+07	0.89 Y	1.20	1.20	-0.1%
ES PCB-206	47.01	3.61E+07	0.79 Y	0.87	0.88	1.0%
ES PCB-208	43.02	4.91E+07	0.79 Y	1.19	1.19	0.3%
ES PCB-209	48.36	4.17E+07	1.19 Y	1.00	1.01	1.0%

PCB QC Summary

SGS Analytical Perspectives

Printed: 28-Jul-2012 10:10

Lab ID: CS0_120725_PCB_XC
 Acquired: 26-JUL-2012 02:56
 Datafile: 120725X15

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	20.88	1.02E+08	1.06 Y	1.07	1.07	-0.3%
SS PCB-111	30.57	6.61E+07	1.60 Y	1.01	1.01	0.9%
SS PCB-178	35.49	3.27E+07	1.06 Y	0.63	0.62	-1.8%
CS PCB-28	20.88	1.02E+08	1.06 Y	1.76	1.74	-1.0%
CS PCB-111	30.57	6.61E+07	1.60 Y	1.23	1.22	-0.1%
CS PCB-178	35.49	3.27E+07	1.06 Y	0.74	0.73	-0.8%
JS PCB-9	14.74	1.08E+08	1.60 Y	-	-	-
JS PCB-52	22.45	5.87E+07	0.79 Y	-	-	-
JS PCB-101	28.30	5.40E+07	1.59 Y	-	-	-
JS PCB-138	35.10	4.45E+07	1.27 Y	-	-	-
JS PCB-194	45.16	4.11E+07	0.91 Y	-	-	-
PCB-1 2-MoCB	10.65	5.46E+05	3.25 Y	1.03	0.93	-9.9%
PCB-3 4-MoCB	12.71	5.56E+05	2.99 Y	1.04	0.95	-8.5%
PCB-4 22'-DiCB	12.93	2.97E+05	0.00 S	1.17	1.12	-4.4%
PCB-15 44'-DiCB	18.25	6.16E+05	1.51 Y	1.08	1.03	-4.6%
PCB-19 22'6'-TrCB	15.77	3.20E+05	1.01 Y	1.09	1.06	-3.2%
PCB-37 344'-TrCB	24.34	5.24E+05	1.03 Y	1.10	1.10	-0.5%
PCB-54 22'66'-TeCB	18.50	3.13E+05	0.83 Y	1.21	1.13	-6.5%
PCB-104 22'466'-PeCB	23.30	3.32E+05	0.63 Y	1.25	1.25	-0.4%
PCB-153 22'44'55'-HxCB	34.11	6.14E+05	1.27 Y	1.22	1.21	-0.6%
PCB-155 22'44'66'-HxCB	28.15	3.43E+05	1.29 Y	1.09	1.03	-5.4%
PCB-170 22'33'44'5'-HpCB	40.82	2.15E+05	0.99 Y	1.07	1.03	-3.7%
PCB-180 22'344'55'-HpCB	39.75	5.38E+05	1.02 Y	1.16	1.14	-1.4%
PCB-188 22'34'566'-HpCB	32.96	2.48E+05	1.05 Y	1.03	0.93	-9.6%
PCB-202 22'33'55'66'-OcCB	37.45	2.31E+05	0.91 Y	0.91	0.90	-1.2%
PCB-205 233'44'55'6'-OcCB	45.58	2.69E+05	0.88 Y	1.09	1.09	0.2%
PCB-208 22'33'455'66'-NoCB	43.04	2.38E+05	0.77 Y	1.02	0.97	-4.5%
PCB-206 22'33'44'55'6'-NoCB	47.03	1.71E+05	0.79 Y	0.98	0.95	-2.9%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:10

Lab ID: CS0_120725_PCB_XC
 Acquired: 26-JUL-2012 02:56
 Datafile: 120725X15

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.65	5.46E+05	3.25 Y	1.03	0.93	-9.9%
PCB-2 3-MoCB	12.54	5.48E+05	3.16 Y	1.04	0.94	-9.6%
PCB-3 4-MoCB	12.71	5.56E+05	2.99 Y	1.04	0.95	-8.5%
PCB-4 22'-DiCB	12.93	2.97E+05	0.00 S	1.17	1.12	-4.4%
PCB-10 26-DiCB	13.10	4.83E+05	0.00 S	1.83	1.82	-0.9%
PCB-9 25-DiCB	14.76	4.85E+05	1.49 Y	0.89	0.81	-9.3%
PCB-7 24-DiCB	14.91	5.52E+05	1.64 Y	1.02	0.92	-9.8%
PCB-6 23'-DiCB	15.12	5.14E+05	1.60 Y	0.95	0.86	-9.3%
PCB-5 23-DiCB	15.40	5.58E+05	1.39 Y	0.97	0.93	-3.9%
PCB-8 24'-DiCB	15.51	5.26E+05	1.64 Y	0.98	0.88	-10.3%
PCB-14 35-DiCB	16.98	6.40E+05	1.64 Y	1.16	1.07	-7.4%
PCB-11 33'-DiCB	17.71	5.23E+05	1.67 Y	1.00	0.88	-12.3%
PCB-13/12 34'-/34-DiCB	17.98	1.14E+06	1.52 Y	1.02	0.96	-5.9%
PCB-15 44'-DiCB	18.25	6.16E+05	1.51 Y	1.08	1.03	-4.6%
PCB-19 22'6-TrCB	15.77	3.20E+05	1.01 Y	1.09	1.06	-3.2%
PCB-30/18 246-/22'5-TrCB	17.43	8.15E+05	1.05 Y	1.46	1.35	-7.5%
PCB-17 22'4-TrCB	17.81	3.45E+05	1.13 Y	1.25	1.14	-8.8%
PCB-27 23'6-TrCB	17.99	4.96E+05	1.12 Y	1.69	1.64	-2.9%
PCB-24 236-TrCB	18.12	4.67E+05	1.08 Y	1.63	1.55	-5.5%
PCB-16 22'3-TrCB	18.20	2.70E+05	1.04 Y	0.95	0.90	-6.2%
PCB-32 24'6-TrCB	18.66	5.12E+05	1.06 Y	1.79	1.70	-5.1%
PCB-34 2'35-TrCB	19.77	4.82E+05	0.93 Y	1.05	1.01	-3.6%
PCB-23 235-TrCB	19.91	4.78E+05	1.09 Y	1.06	1.00	-5.3%
PCB-26/29 23'5-/245-TrCB	20.19	9.87E+05	1.01 Y	1.09	1.03	-4.8%
PCB-25 23'4-TrCB	20.37	4.91E+05	0.98 Y	1.07	1.03	-4.2%
PCB-31 24'5-TrCB	20.64	4.99E+05	1.05 Y	1.11	1.05	-5.9%
PCB-28/20 244'-/233'-TrCB	20.91	9.80E+05	1.07 Y	1.07	1.03	-3.9%
PCB-21/33 234-/2'34-TrCB	21.08	1.01E+06	1.02 Y	1.09	1.06	-2.8%
PCB-22 234'-TrCB	21.44	4.65E+05	1.01 Y	1.02	0.97	-4.1%
PCB-36 33'5-TrCB	22.80	5.20E+05	1.00 Y	1.13	1.09	-3.4%
PCB-39 34'5-TrCB	23.10	5.24E+05	0.96 Y	1.17	1.10	-5.7%
PCB-38 345-TrCB	23.60	4.75E+05	1.06 Y	1.03	1.00	-3.6%
PCB-35 33'4-TrCB	23.99	4.90E+05	1.02 Y	1.04	1.03	-1.2%
PCB-37 344'-TrCB	24.34	5.24E+05	1.03 Y	1.10	1.10	-0.5%
PCB-54 22'66'-TeCB	18.50	3.13E+05	0.83 Y	1.21	1.13	-6.5%
PCB-50/53 22'46-/22'56'TeCB	20.42	5.97E+05	0.79 Y	0.86	0.80	-6.7%
PCB-45 22'36'-TeCB	20.97	2.41E+05	0.77 Y	0.73	0.64	-11.8%
PCB-51 22'46'-TeCB	21.04	3.24E+05	0.81 Y	0.88	0.87	-1.5%
PCB-46 22'36'-TeCB	21.24	2.40E+05	0.80 Y	0.70	0.64	-7.5%
PCB-52 22'55'-TeCB	22.47	3.04E+05	0.85 Y	0.84	0.81	-3.6%
PCB-73 23'5'6TeCB	22.60	3.96E+05	0.76 Y	1.09	1.06	-2.8%
PCB-43 22'35'-TeCB	22.68	2.53E+05	0.83 Y	0.72	0.68	-6.3%
PCB-69/49 23'46-/22'45'TeCB	22.88	7.07E+05	0.83 Y	1.01	0.95	-6.6%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:10

Lab ID: CS0_120725_PCB_XC
 Acquired: 26-JUL-2012 02:56
 Datafile: 120725X15

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.14	3.06E+05	0.80 Y	0.85	0.82	-3.9%
PCB-44/47/65 22'35'-/22'44'-	23.36	9.57E+05	0.78 Y	0.89	0.85	-4.1%
PCB-59/62/75 233'6-/2346-/24	23.62	1.21E+06	0.81 Y	1.14	1.08	-5.2%
PCB-42 22'34'-TeCB	23.78	2.63E+05	0.83 Y	0.77	0.70	-8.9%
PCB-41 22'34'-TeCB	24.10	2.78E+05	0.78 Y	0.73	0.75	2.5%
PCB-71/40 23'4'6/22'33'-TeCB	24.19	6.22E+05	0.79 Y	0.87	0.83	-3.9%
PCB-64 234'6'-TeCB	24.39	4.50E+05	0.75 Y	1.24	1.20	-2.6%
PCB-72 23'55'-TeCB	25.11	4.01E+05	0.79 Y	1.14	1.07	-6.1%
PCB-68 23'45'-TeCB	25.36	4.27E+05	0.85 Y	1.21	1.14	-5.6%
PCB-57 233'5'-TeCB	25.72	4.00E+05	0.81 Y	1.11	1.07	-3.3%
PCB-58 233'5'-TeCB	25.92	3.76E+05	0.80 Y	1.10	1.01	-8.5%
PCB-67 23'45'-TeCB	26.07	4.09E+05	0.83 Y	1.16	1.09	-5.8%
PCB-63 234'5'-TeCB	26.29	4.21E+05	0.75 Y	1.22	1.13	-7.4%
PCB-61/70/74/76 2345-/23'4'5	26.57	1.57E+06	0.78 Y	1.13	1.05	-7.2%
PCB-66 23'44'-TeCB	26.85	3.86E+05	0.83 Y	1.08	1.03	-4.0%
PCB-55 233'4'-TeCB	26.98	3.82E+05	0.78 Y	1.10	1.02	-6.9%
PCB-56 233'4'-TeCB	27.41	3.76E+05	0.83 Y	1.06	1.01	-4.7%
PCB-60 2344'-TeCB	27.59	3.95E+05	0.80 Y	1.11	1.06	-4.8%
PCB-80 33'55'-TeCB	27.95	4.34E+05	0.85 Y	1.25	1.16	-7.4%
PCB-79 33'45'-TeCB	29.23	4.30E+05	0.80 Y	1.23	1.15	-6.7%
PCB-78 33'45'-TeCB	29.70	3.97E+05	0.74 Y	1.08	1.06	-1.6%
PCB-104 22'466'-PeCB	23.30	3.32E+05	0.63 Y	1.25	1.25	-0.4%
PCB-96 22'366'-PeCB	23.60	2.76E+05	0.65 Y	1.08	1.04	-3.4%
PCB-103 22'45'6'-PeCB	25.27	2.84E+05	0.58 Y	0.90	0.87	-3.3%
PCB-94 22'356'-PeCB	25.45	2.38E+05	0.55 Y	0.78	0.73	-5.8%
PCB-95 22'35'6'-PeCB	25.82	2.51E+05	0.67 Y	0.83	0.77	-6.9%
PCB-100/93 22'44'6-/22'356-P	26.03	5.21E+05	0.62 Y	0.84	0.80	-5.2%
PCB-102 22'456'-PeCB	26.14	3.18E+05	0.57 Y	0.90	0.98	8.5%
PCB-98 22'3'46'-PeCB	26.21	1.93E+05	0.61 Y	0.77	0.59	-23.2%
PCB-88 22'346'-PeCB	26.49	2.74E+05	0.68 Y	0.79	0.84	5.8%
PCB-91 22'34'6'-PeCB	26.56	2.46E+05	0.57 Y	0.88	0.76	-14.0%
PCB-84 22'33'6'-PeCB	26.74	2.19E+05	0.67 Y	0.71	0.67	-5.3%
PCB-89 22'346'-PeCB	27.15	2.33E+05	0.58 Y	0.76	0.72	-6.0%
PCB-121 23'45'6'-PeCB	27.52	3.57E+05	0.61 Y	1.14	1.10	-4.2%
PCB-92 22'355'-PeCB	27.82	2.46E+05	0.62 Y	0.80	0.75	-5.8%
PCB-113/90/101 233'5'6-/22'3	28.30	8.78E+05	0.65 Y	0.93	0.90	-4.0%
PCB-83 22'33'5'-PeCB	28.72	2.23E+05	0.62 Y	0.71	0.69	-3.8%
PCB-99 22'44'5'-PeCB	28.82	2.76E+05	0.55 Y	0.87	0.85	-2.7%
PCB-112 233'56'-PeCB	28.91	3.53E+05	0.62 Y	1.13	1.08	-3.8%
PCB-108/119/86/97/125/87 233	29.25	1.81E+06	0.65 Y	0.95	0.92	-2.6%
PCB-117 234'56'-PeCB	29.78	3.57E+05	0.60 Y	1.04	1.10	5.4%
PCB-116/85 23456-/22'344'-Pe	29.85	5.87E+05	0.60 Y	0.97	0.90	-7.4%
PCB-110 233'4'6'-PeCB	29.97	3.28E+05	0.61 Y	1.02	1.01	-1.4%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:10

Lab ID: CS0_120725_PCB_XC
 Acquired: 26-JUL-2012 02:56
 Datafile: 120725X15

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6-PeCB	30.06	3.81E+05	0.58 Y	1.16	1.17	1.0%
PCB-82 22'33'4-PeCB	30.24	2.13E+05	0.58 Y	0.69	0.65	-5.3%
PCB-111 233'55'-PeCB	30.59	3.53E+05	0.61 Y	1.15	1.08	-6.1%
PCB-120 23'455'-PeCB	30.98	3.61E+05	0.65 Y	1.16	1.11	-4.5%
PCB-107/124 233'4'5'-/2'3455'	31.92	6.64E+05	0.62 Y	1.07	1.02	-5.2%
PCB-109 233'46-PeCB	32.13	3.63E+05	0.67 Y	1.14	1.11	-2.5%
PCB-106 233'45-PeCB	32.34	3.38E+05	0.59 Y	1.07	1.04	-3.2%
PCB-122 2'33'45-PeCB	32.79	3.17E+05	0.61 Y	1.00	0.94	-6.2%
PCB-127 33'455'-PeCB	34.73	3.47E+05	0.59 Y	1.10	1.04	-5.4%
PCB-155 22'44'66'-HxCB	28.15	3.43E+05	1.29 Y	1.09	1.03	-5.4%
PCB-152 22'3566'-HxCB	28.29	3.24E+05	1.38 Y	1.01	0.98	-3.5%
PCB-150 22'34'66'-HxCB	28.44	2.98E+05	1.43 Y	1.00	0.90	-10.6%
PCB-136 22'33'66'-HxCB	28.73	2.97E+05	1.28 Y	0.95	0.89	-6.1%
PCB-145 22'3466'HxCB	28.99	2.86E+05	1.34 Y	0.96	0.86	-10.5%
PCB-148 22'34'56'-HxCB	30.28	2.31E+05	1.31 Y	0.97	0.91	-5.9%
PCB-151/135 22'355'6-/22'33'	30.78	4.71E+05	1.35 Y	0.96	0.93	-3.6%
PCB-154 22'44'5'6-HxCB	30.99	2.60E+05	1.25 Y	1.09	1.03	-5.8%
PCB-144 22'345'6-HxCB	31.25	2.39E+05	1.31 Y	0.98	0.94	-4.0%
PCB-147/149 22'34'56-/22'34'	31.54	4.78E+05	1.23 Y	0.99	0.94	-4.2%
PCB-134 22'33'56-HxCB	31.70	1.87E+05	1.22 Y	0.80	0.74	-7.6%
PCB-143 22'3456'-HxCB	31.78	2.57E+05	1.25 Y	0.95	1.01	6.1%
PCB-139/140 22'344'6-/22'344'	32.05	4.78E+05	1.29 Y	1.00	0.94	-5.6%
PCB-131 22'33'46-HxCB	32.21	1.96E+05	1.27 Y	0.85	0.77	-9.2%
PCB-142 22'3456-HxCB	32.34	2.10E+05	1.32 Y	0.87	0.83	-5.3%
PCB-132 22'33'46'-HxCB	32.59	2.19E+05	1.39 Y	0.89	0.86	-2.8%
PCB-133 22'33'55'-HxCB	33.02	2.09E+05	1.37 Y	0.91	0.83	-9.7%
PCB-165 233'55'6-HxCB	33.36	2.71E+05	1.23 Y	1.13	1.07	-5.7%
PCB-146 22'34'55'-HxCB	33.57	2.56E+05	1.31 Y	1.01	1.01	0.4%
PCB-161 233'45'6-HxCB	33.68	2.98E+05	1.18 Y	1.25	1.17	-6.3%
PCB-153/168 22'44'55'-/23'44'	34.11	6.14E+05	1.27 Y	1.22	1.21	-0.6%
PCB-141 22'3455'-HxCB	34.24	2.25E+05	1.29 Y	0.93	0.89	-4.1%
PCB-130 22'33'45'-HxCB	34.58	2.15E+05	1.27 Y	0.85	0.85	0.0%
PCB-137 22'344'5-HxCB	34.77	2.40E+05	1.22 Y	1.04	0.95	-9.1%
PCB-164 233'4'5'6-HxCB	34.86	3.03E+05	1.16 Y	1.22	1.19	-2.4%
PCB-163/138/129 233'4'56-/22'	35.14	7.45E+05	1.17 Y	1.02	0.98	-4.3%
PCB-160 233'456-HxCB	35.27	3.03E+05	1.28 Y	1.21	1.20	-1.0%
PCB-158 233'44'6-HxCB	35.46	3.27E+05	1.31 Y	1.34	1.29	-3.4%
PCB-128/166 22'33'44'-/2344'5	36.17	5.81E+05	1.25 Y	0.90	0.86	-4.6%
PCB-159 233'455'-HxCB	37.01	3.50E+05	1.21 Y	1.06	1.03	-2.8%
PCB-162 233'4'55'-HxCB	37.25	3.55E+05	1.25 Y	1.08	1.05	-2.6%
PCB-188 22'34'566'-HpCB	32.96	2.48E+05	1.05 Y	1.03	0.93	-9.6%
PCB-179 22'33'566'-HpCB	33.22	2.45E+05	1.04 Y	0.97	0.92	-4.5%
PCB-184 22'344'66'-HpCB	33.69	2.30E+05	0.99 Y	0.93	0.87	-6.9%

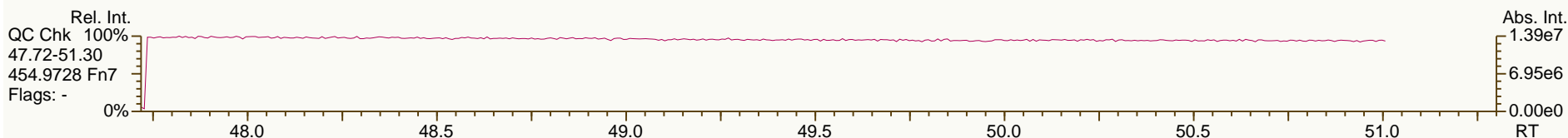
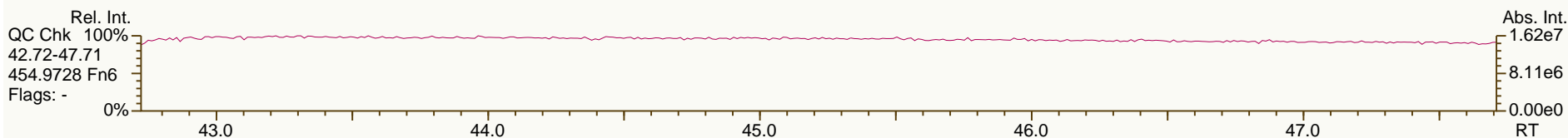
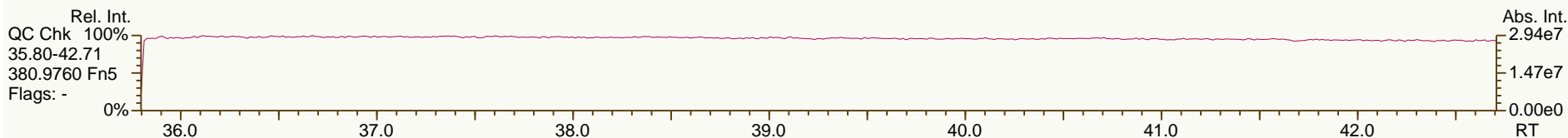
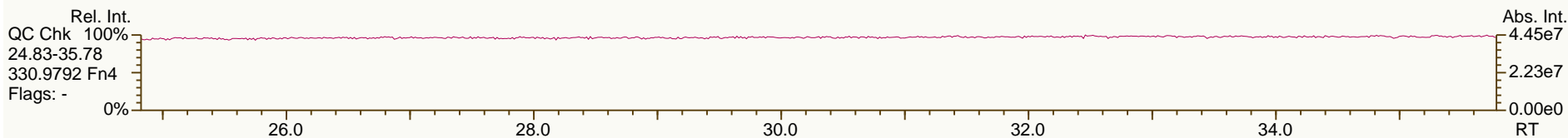
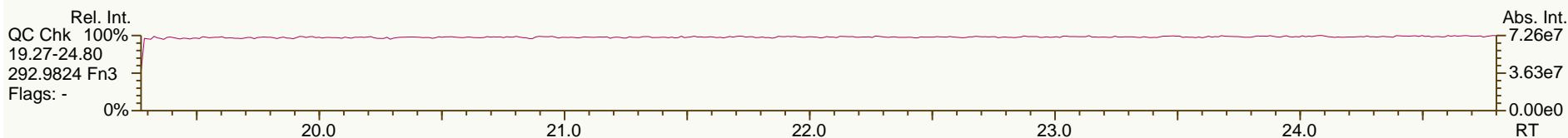
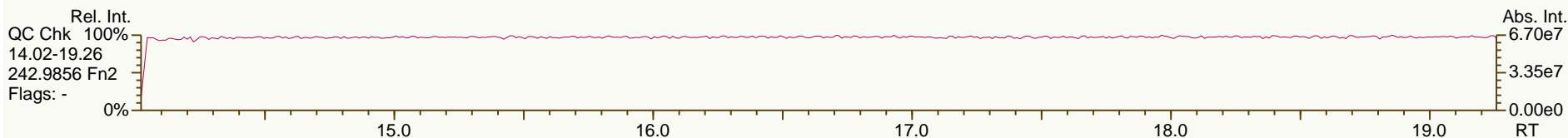
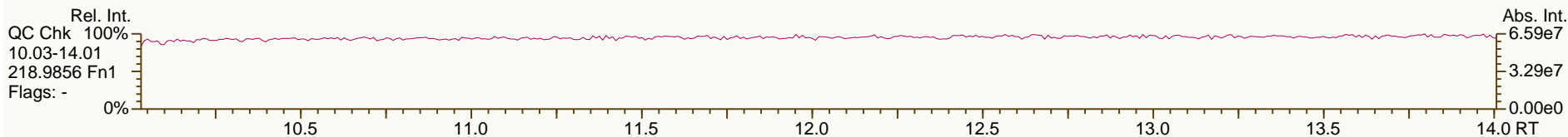
PCB QC Summary - Ax2 Detail

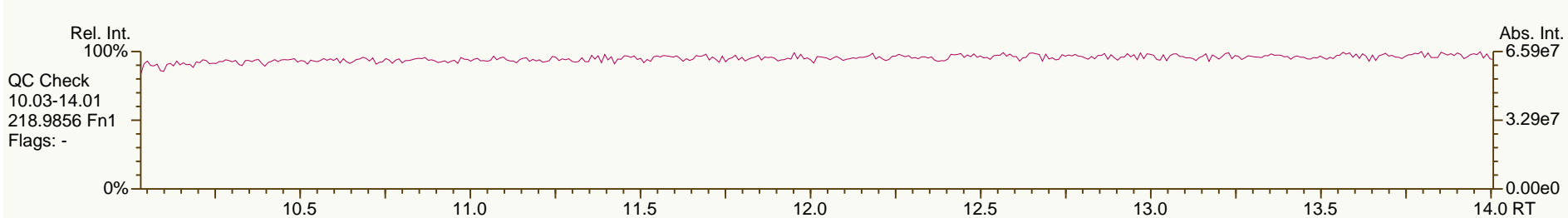
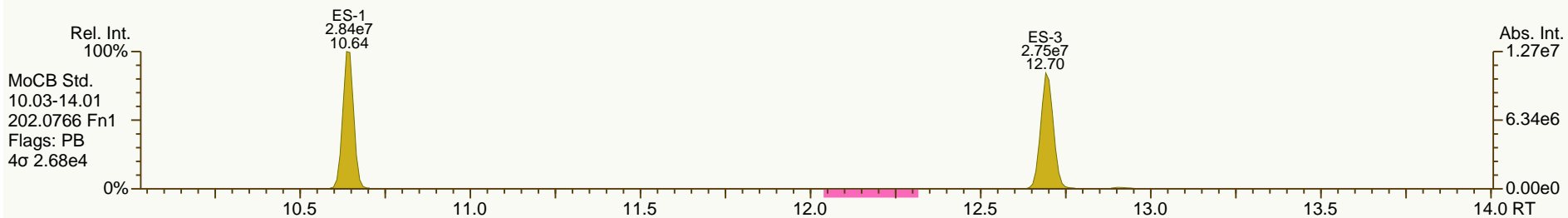
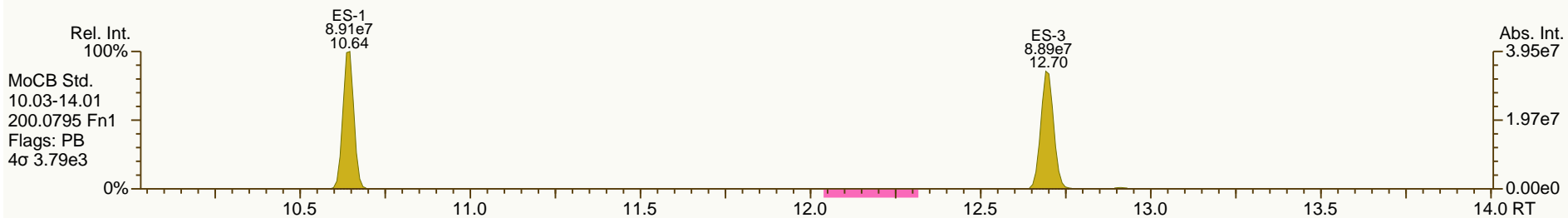
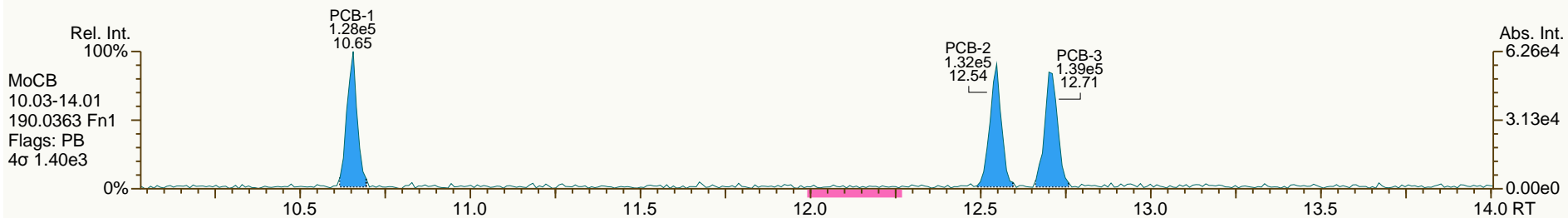
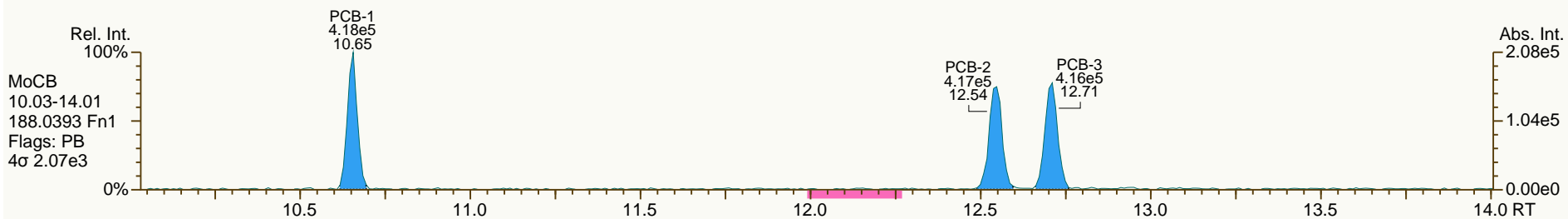
Printed: 28-Jul-2012 10:10

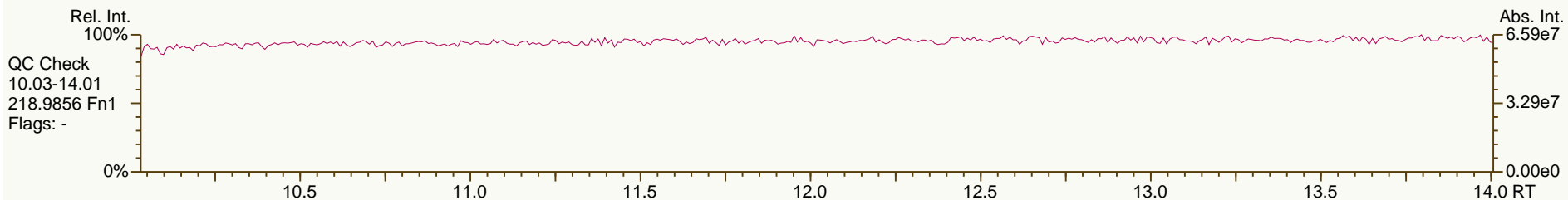
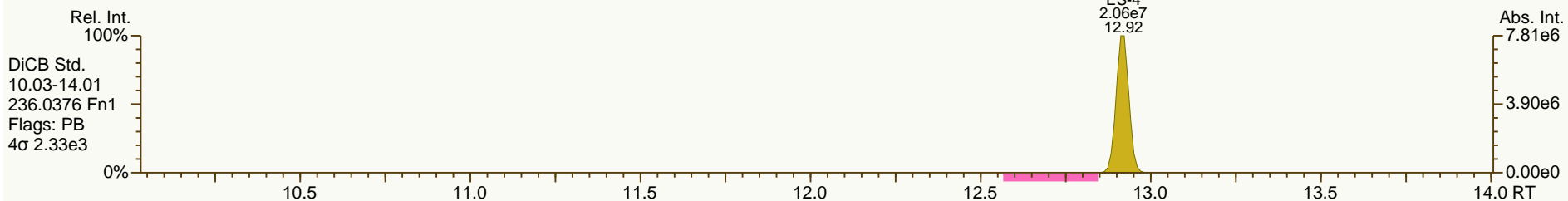
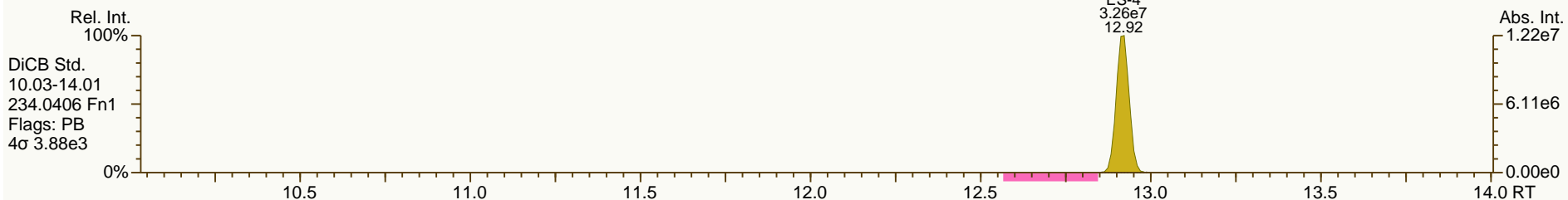
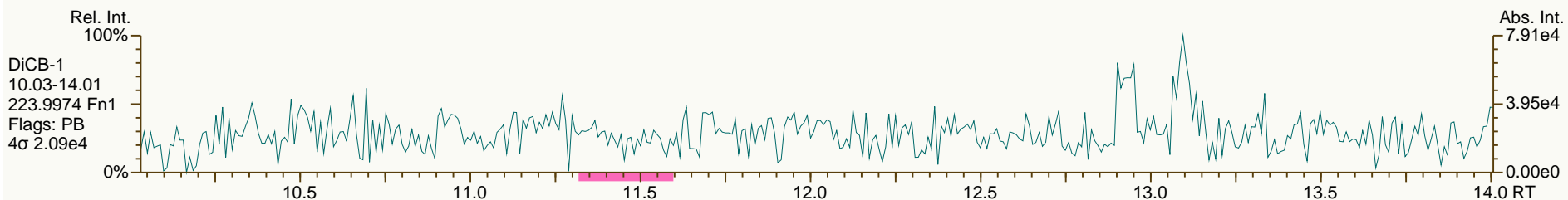
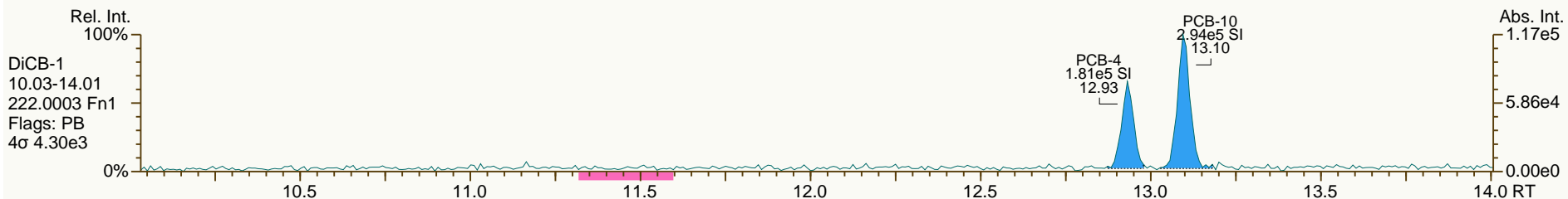
Lab ID: CS0_120725_PCB_XC
 Acquired: 26-JUL-2012 02:56
 Datafile: 120725X15

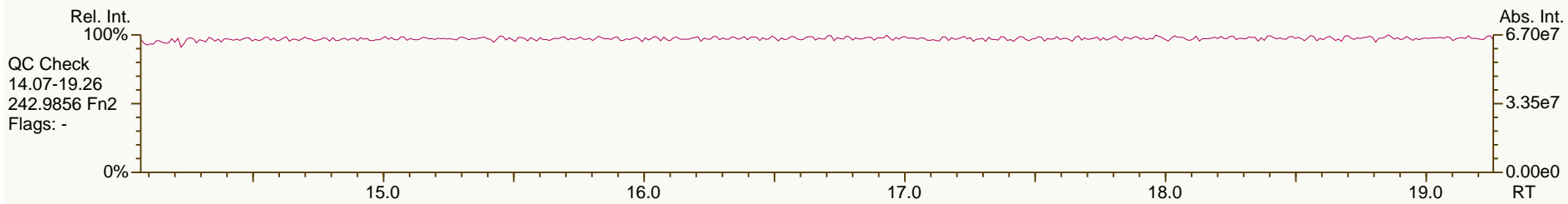
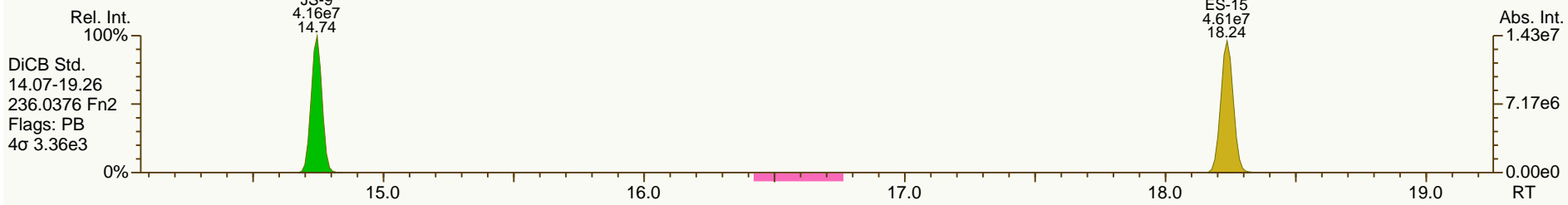
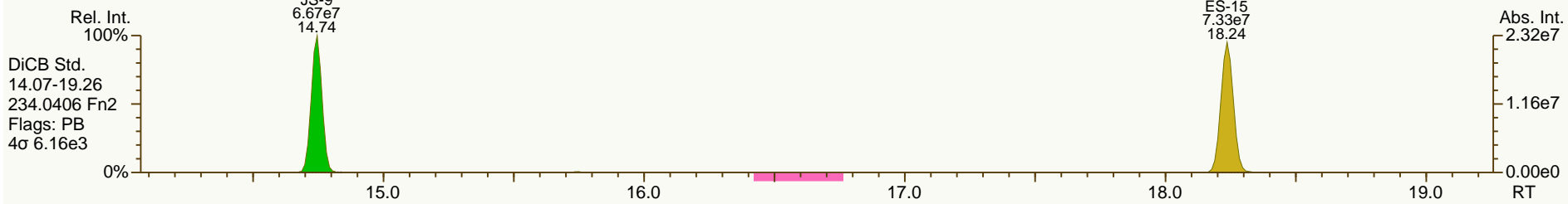
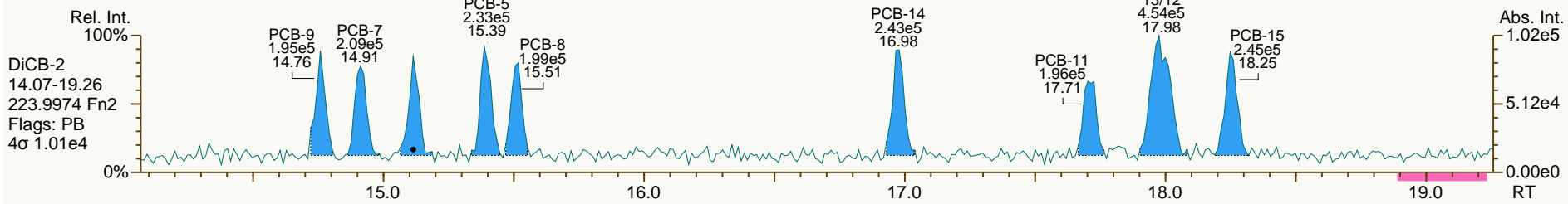
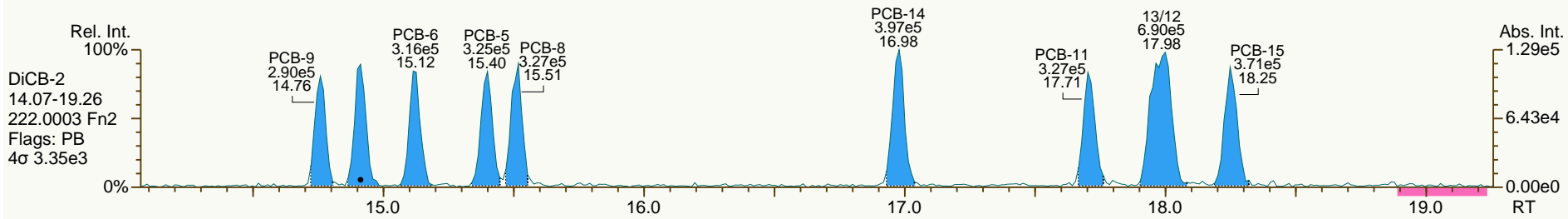
ICAL: MM7_PCB_07132012_25JUL12

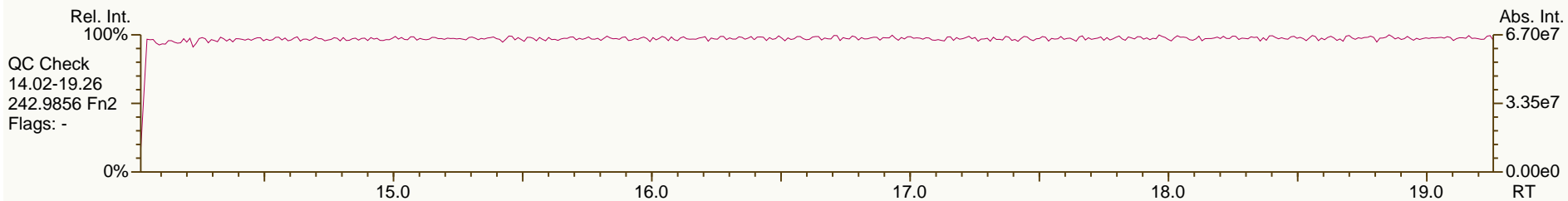
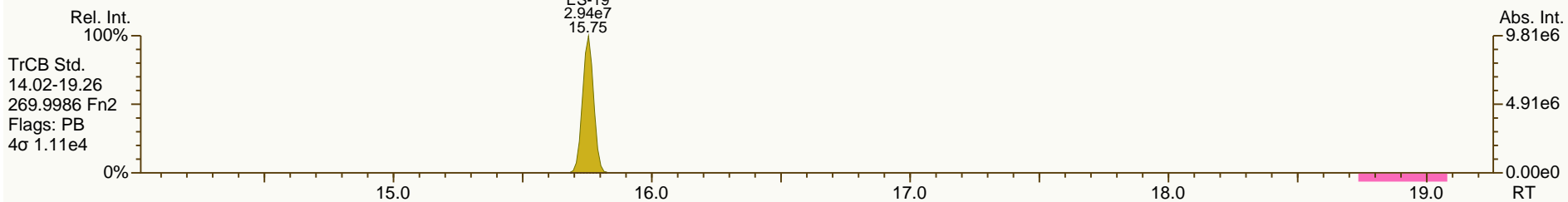
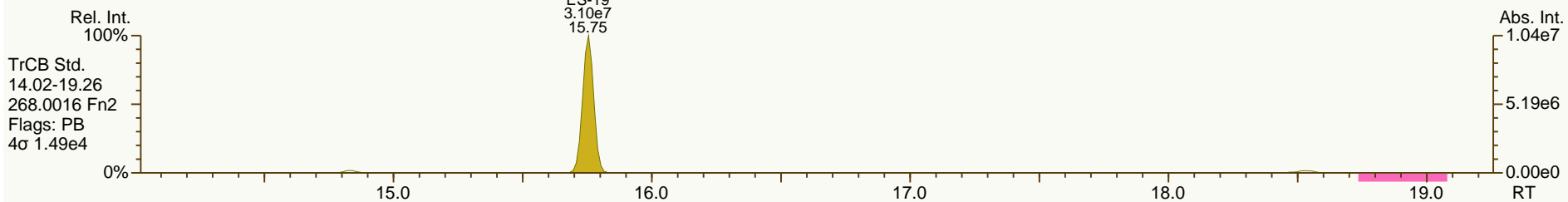
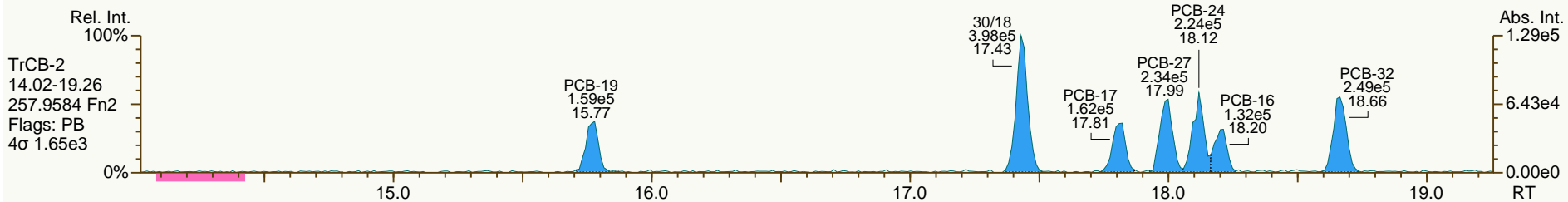
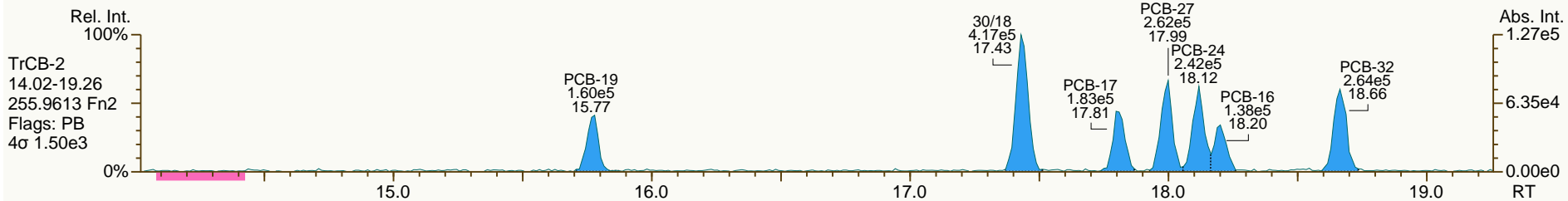
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-176 22'33'466'-HpCB	33.97	2.59E+05	1.07 Y	1.05	0.98	-6.9%
PCB-186 22'34566'-HpCB	34.35	2.47E+05	1.17 Y	0.98	0.93	-5.0%
PCB-178 22'33'55'6'-HpCB	35.51	1.89E+05	0.96 Y	0.74	0.71	-3.1%
PCB-175 22'33'45'6'-HpCB	36.05	2.19E+05	0.93 Y	1.01	0.93	-7.9%
PCB-187 22'34'55'6'-HpCB	36.27	2.28E+05	1.11 Y	1.06	0.97	-9.0%
PCB-182 22'344'56'-HpCB	36.45	2.51E+05	0.94 Y	1.11	1.07	-4.0%
PCB-183 22'344'5'6'-HpCB	36.79	2.32E+05	0.93 Y	1.13	0.99	-12.9%
PCB-185 22'3455'6'-HpCB	36.86	2.34E+05	1.12 Y	1.02	1.00	-2.3%
PCB-174 22'33'456'-HpCB	36.97	2.09E+05	1.22 N	0.93	0.89	-4.2%
PCB-177 22'33'4'56'-HpCB	37.34	2.01E+05	1.01 Y	0.91	0.85	-5.9%
PCB-181 22'344'56'-HpCB	37.68	2.47E+05	1.02 Y	1.06	1.05	-1.1%
PCB-171/173 22'33'44'6'-/22'3	37.86	4.26E+05	1.10 Y	0.93	0.90	-2.5%
PCB-172 22'33'455'-HpCB	39.23	2.22E+05	1.00 Y	0.95	0.94	-1.3%
PCB-192 233'455'6'-HpCB	39.47	2.87E+05	1.06 Y	1.24	1.22	-1.7%
PCB-180/193 22'344'55'-/233'	39.75	5.38E+05	1.02 Y	1.16	1.14	-1.4%
PCB-191 233'44'5'6'-HpCB	40.07	3.12E+05	0.97 Y	1.30	1.33	1.7%
PCB-170 22'33'44'5'-HpCB	40.82	2.15E+05	0.99 Y	1.07	1.03	-3.7%
PCB-190 233'44'56'-HpCB	41.27	2.83E+05	1.05 Y	1.45	1.36	-6.2%
PCB-202 22'33'55'66'-OcCB	37.45	2.31E+05	0.91 Y	0.91	0.90	-1.2%
PCB-201 22'33'45'66'-OcCB	38.23	2.49E+05	0.94 Y	1.02	0.97	-4.5%
PCB-204 22'344'566'-OcCB	38.80	2.58E+05	0.91 Y	0.98	1.01	3.2%
PCB-197 22'33'44'66'-OcCB	38.99	2.71E+05	0.76 Y	1.06	1.06	-0.5%
PCB-200 22'33'4566'-OcCB	39.07	2.37E+05	0.89 Y	0.96	0.93	-3.4%
PCB-198/199 22'33'455'6'-/22'	41.40	3.63E+05	0.93 Y	0.72	0.71	-0.8%
PCB-196 22'33'44'56'-OcCB	41.97	1.69E+05	0.95 Y	0.73	0.66	-9.7%
PCB-203 22'344'55'6'-OcCB	42.13	1.84E+05	0.93 Y	0.76	0.72	-6.0%
PCB-195 22'33'44'56'-OcCB	43.23	1.93E+05	1.01 Y	0.80	0.78	-2.2%
PCB-194 22'33'44'55'-OcCB	45.18	2.13E+05	1.00 Y	0.87	0.86	-1.6%
PCB-205 233'44'55'6'-OcCB	45.58	2.69E+05	0.88 Y	1.09	1.09	0.2%
PCB-208 22'33'455'66'-NoCB	43.04	2.38E+05	0.77 Y	1.02	0.97	-4.5%
PCB-207 22'33'44'566'-NoCB	43.82	2.45E+05	0.80 Y	1.06	1.00	-5.7%
PCB-206 22'33'44'55'6'-NoCB	47.03	1.71E+05	0.79 Y	0.98	0.95	-2.9%

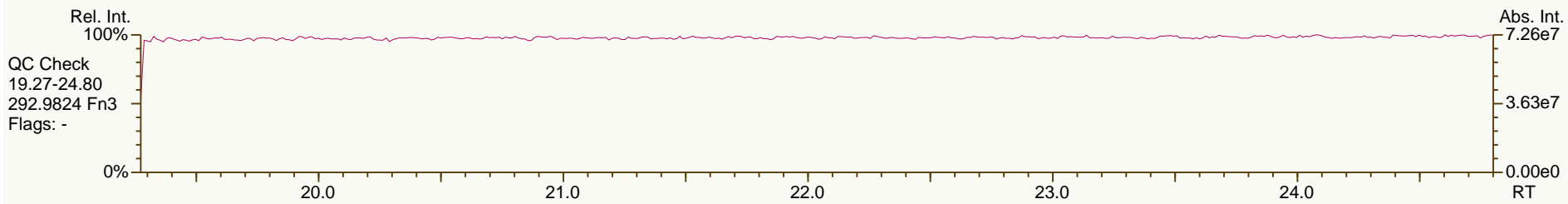
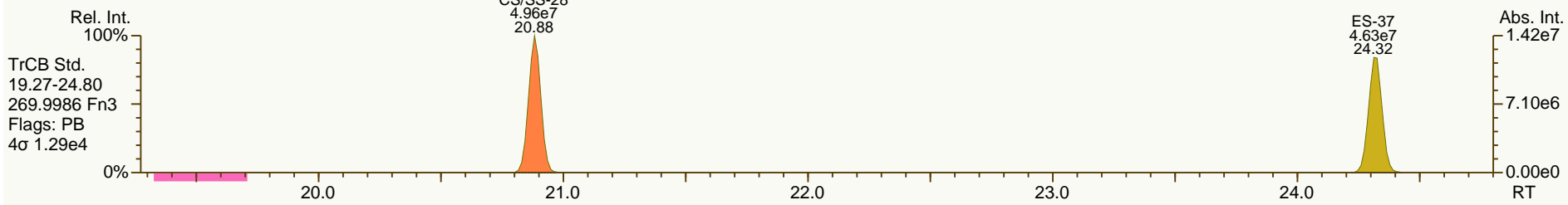
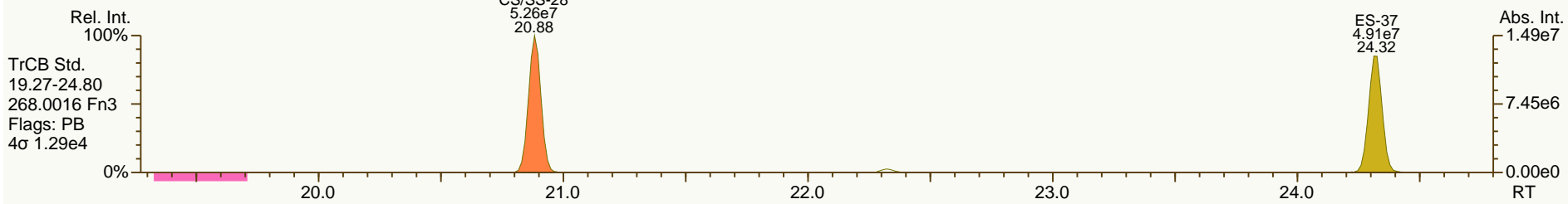
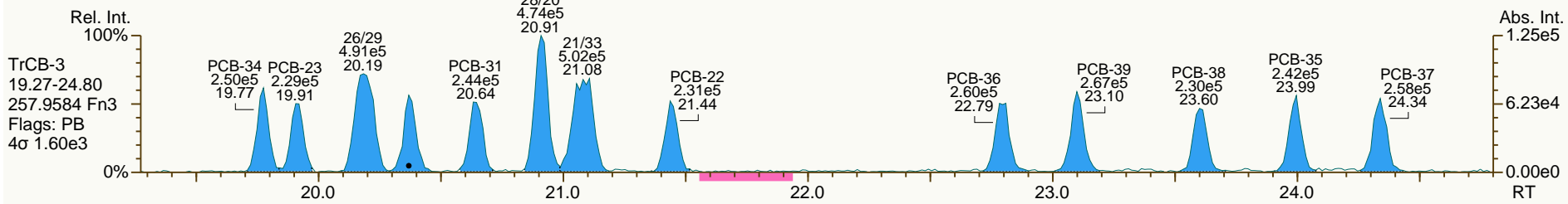
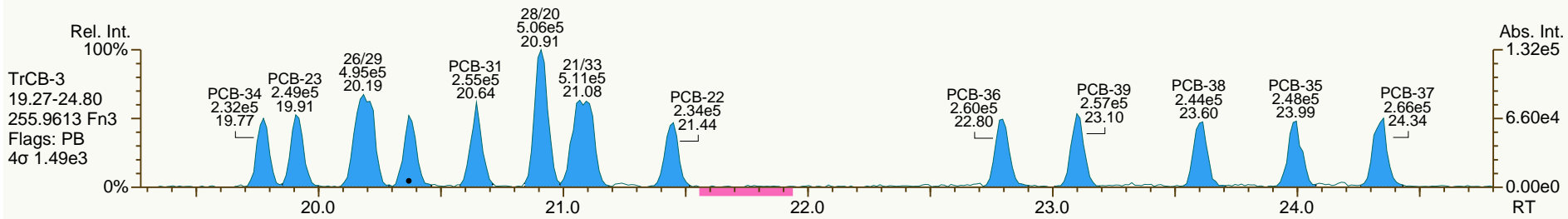


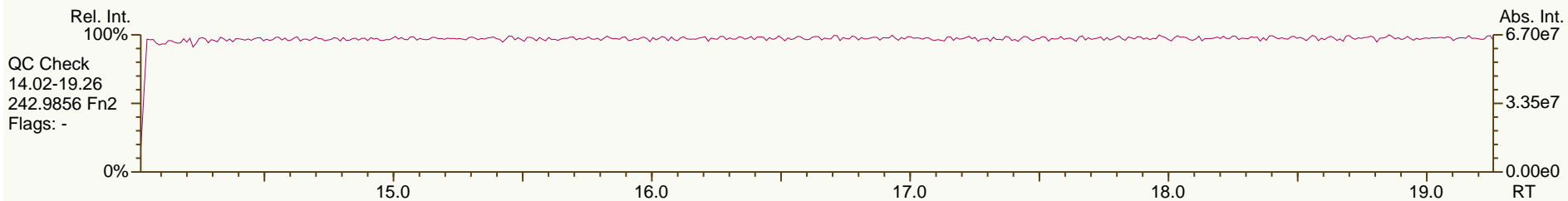
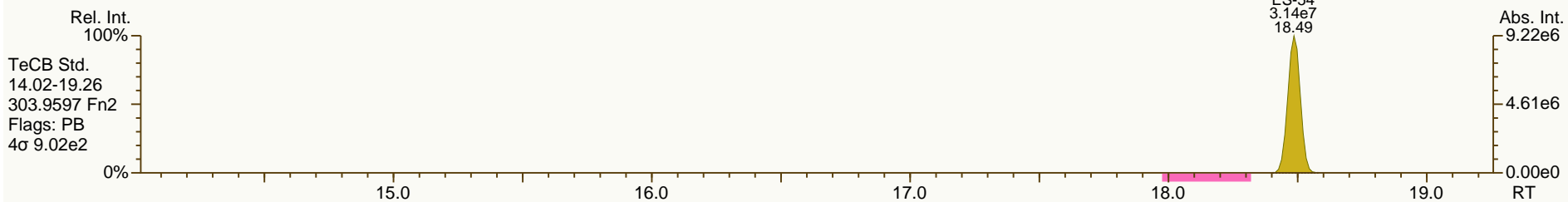
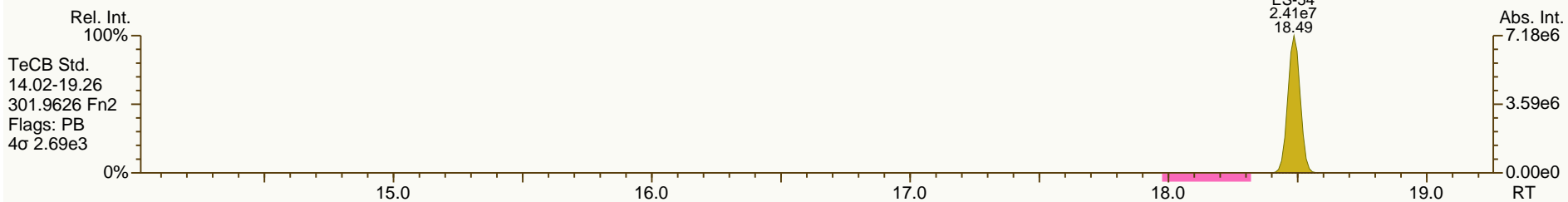
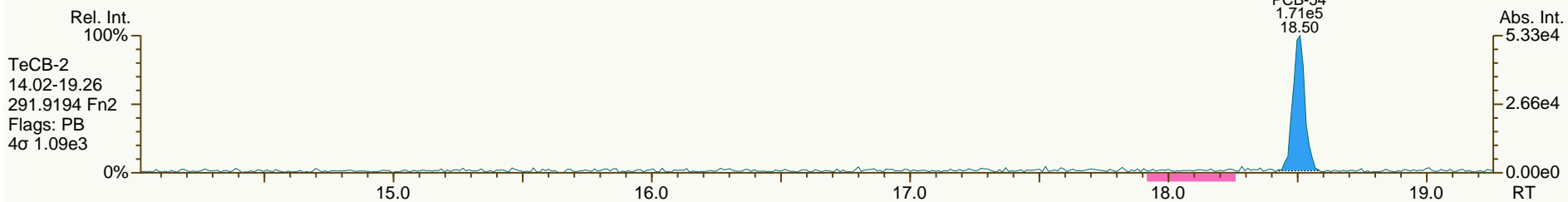
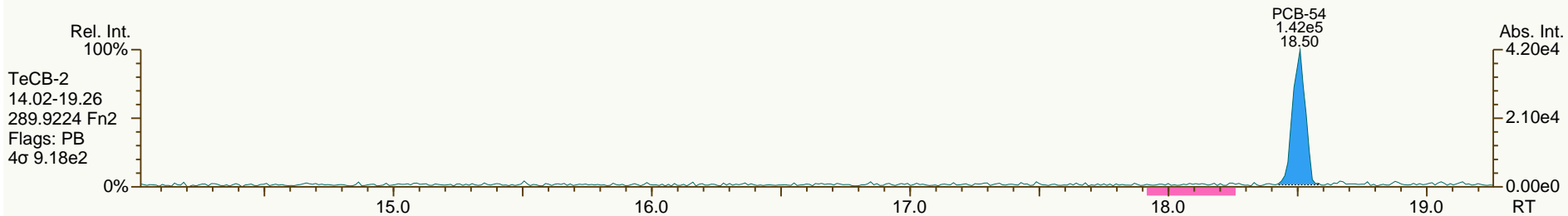


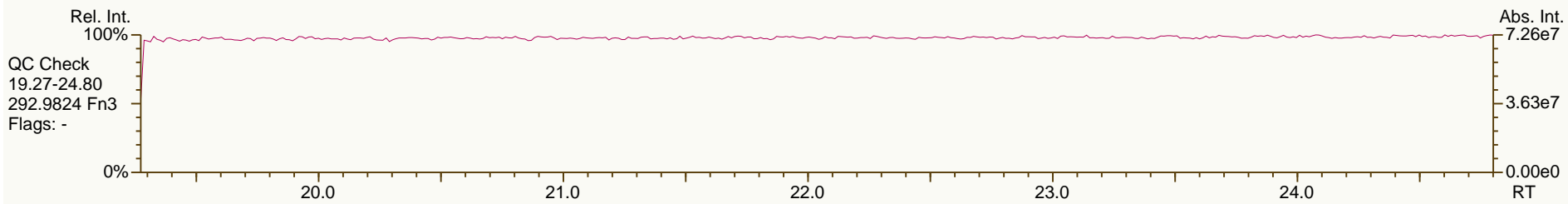
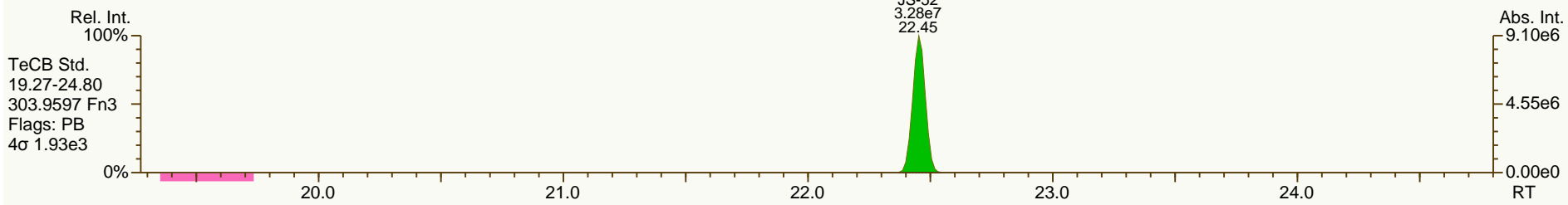
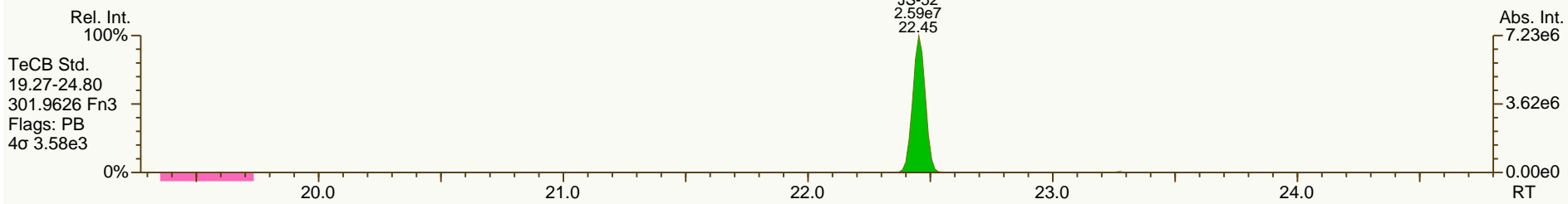
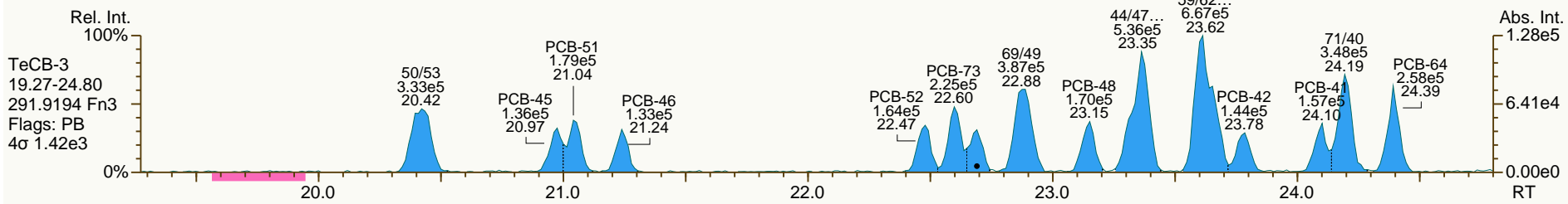
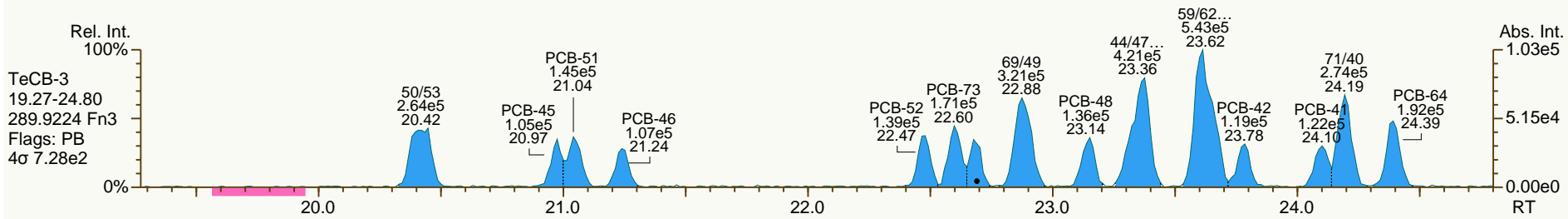


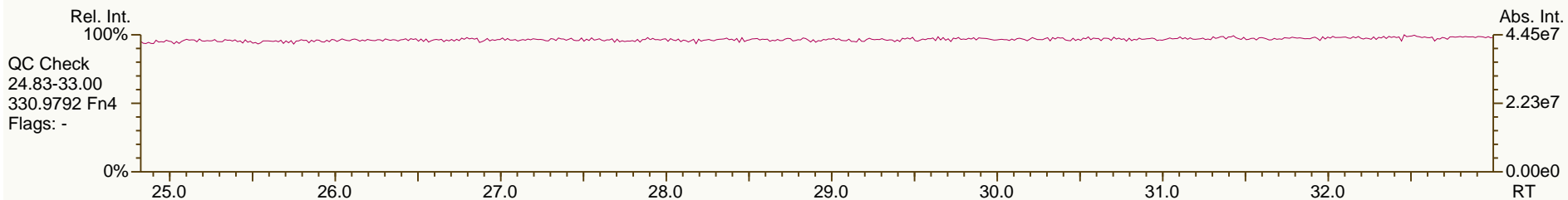
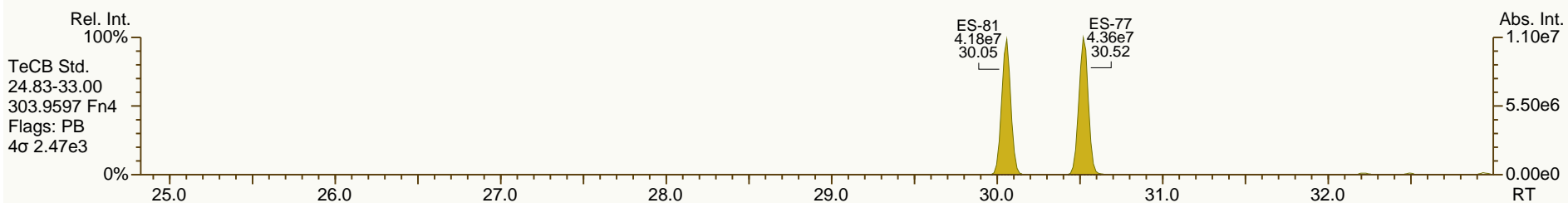
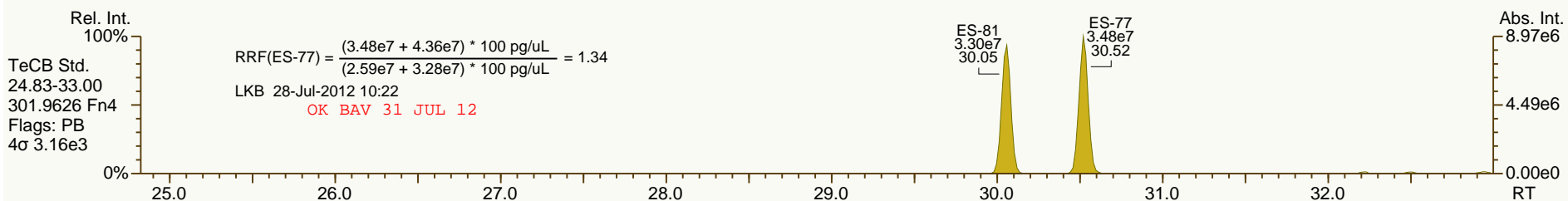
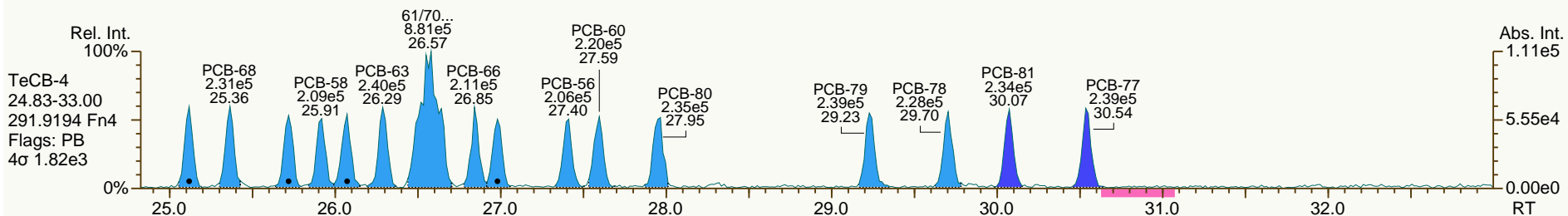
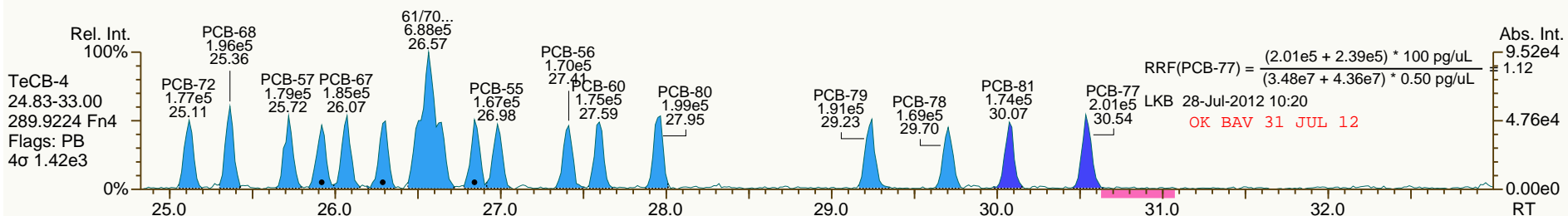


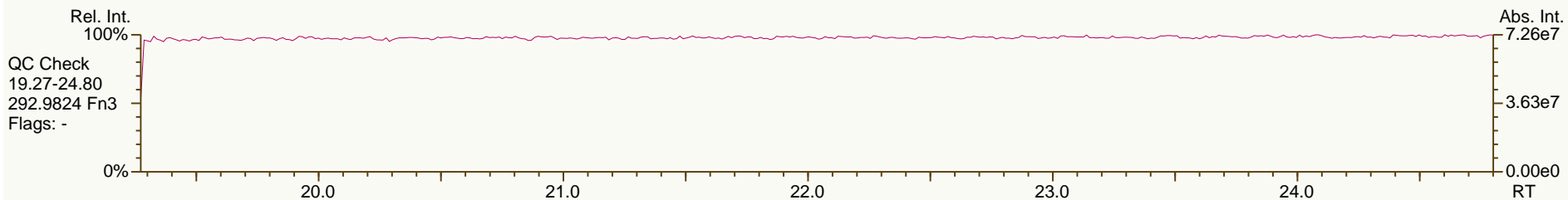
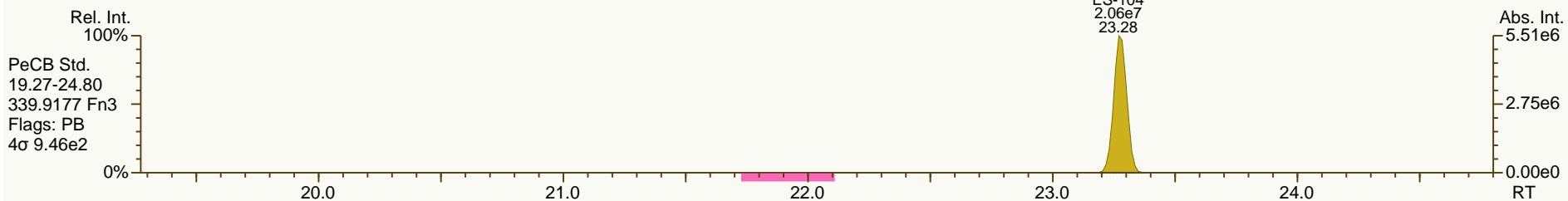
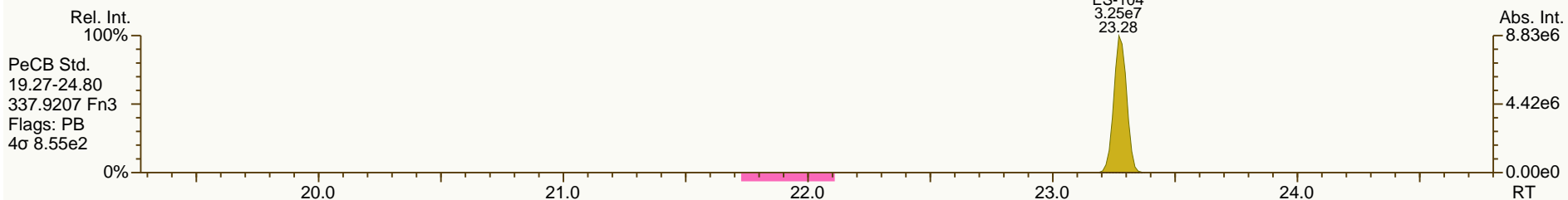
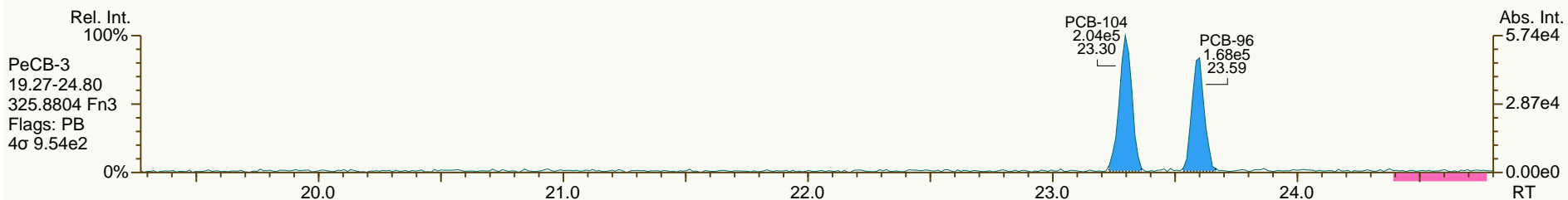
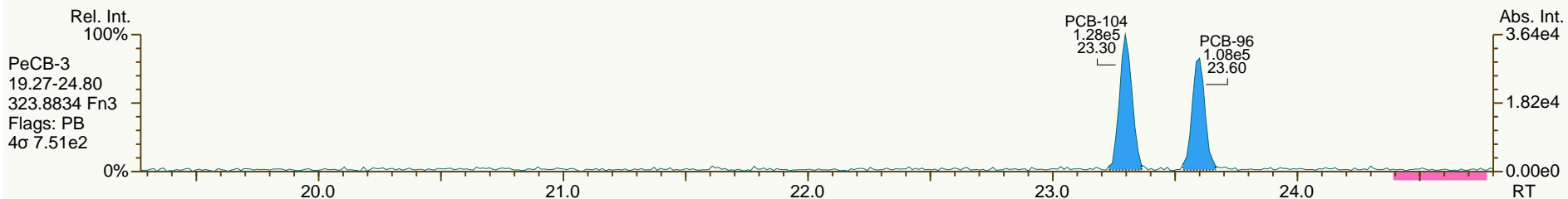


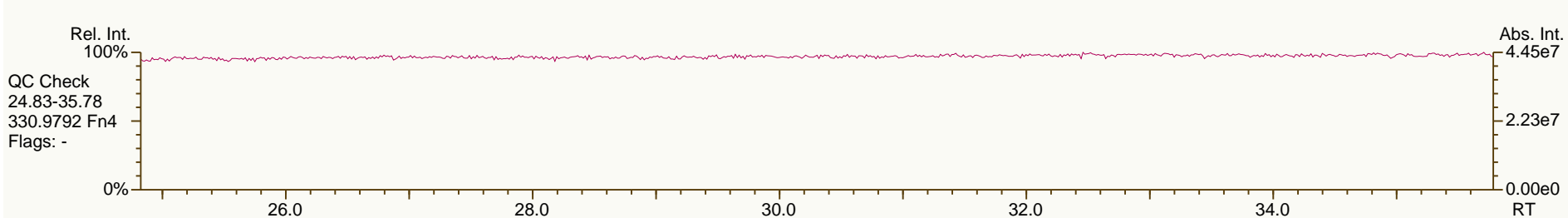
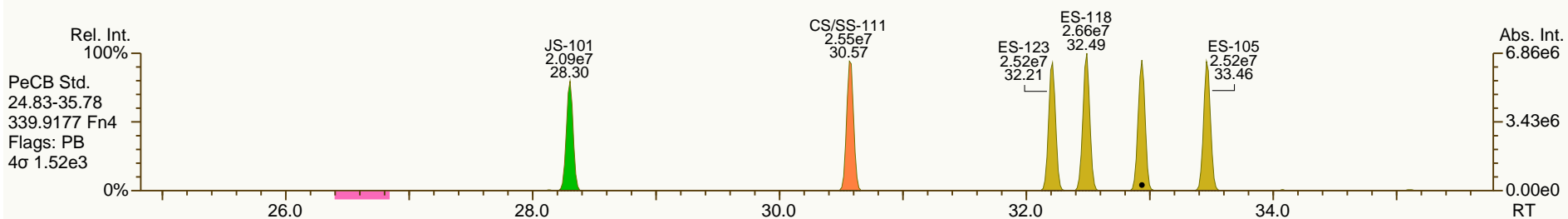
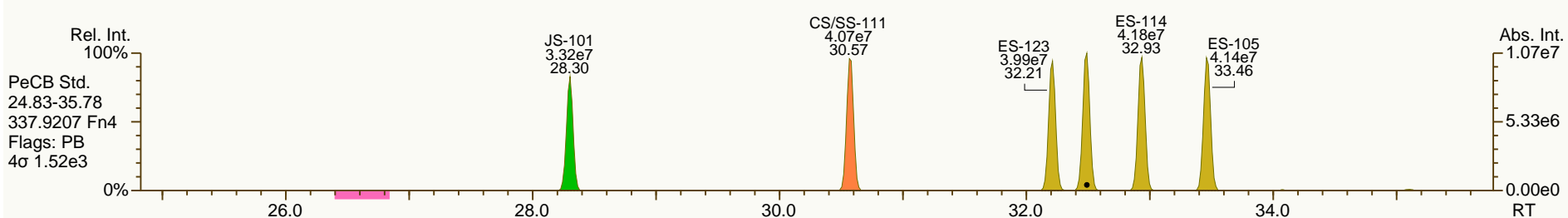
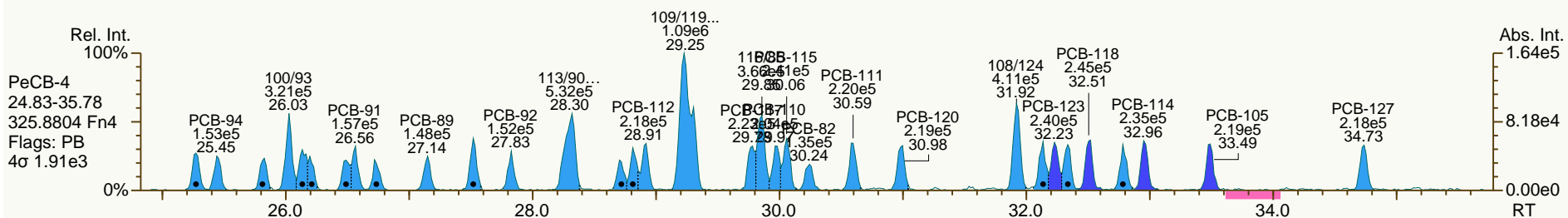
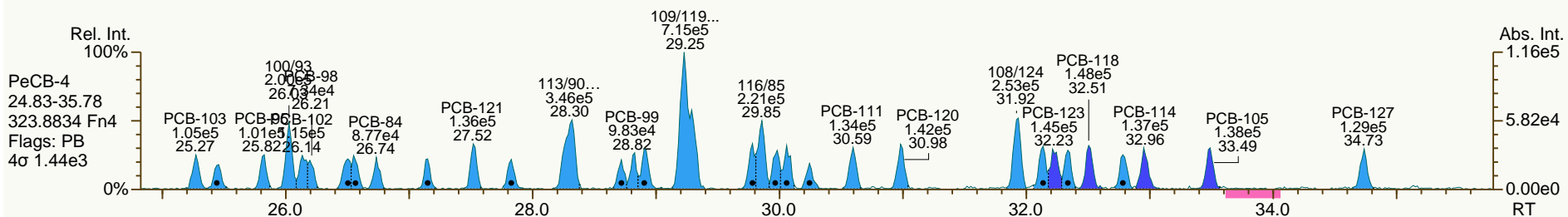


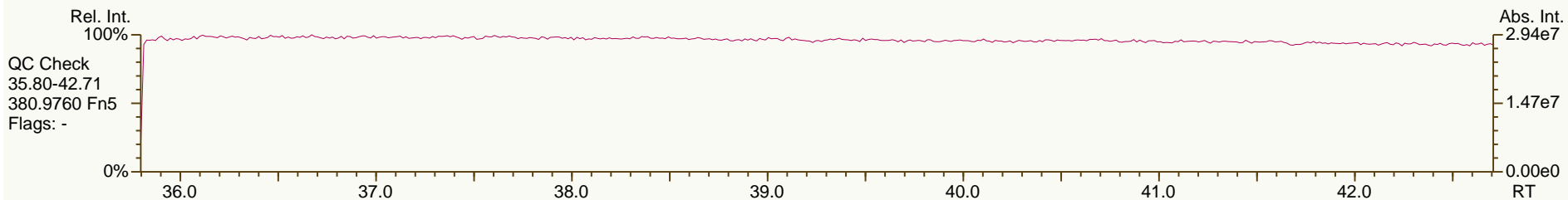
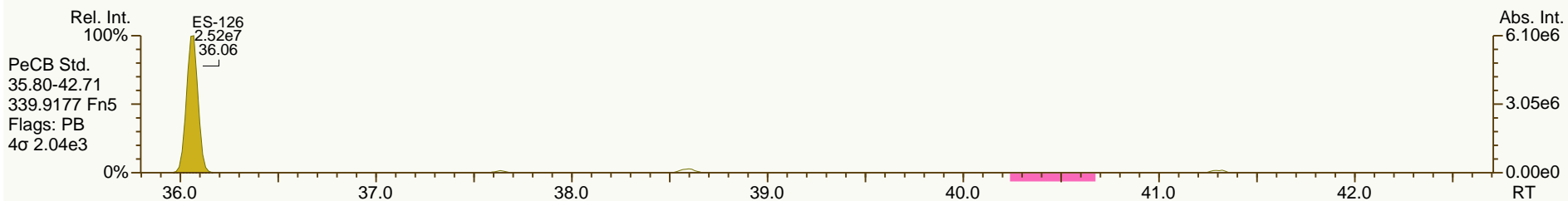
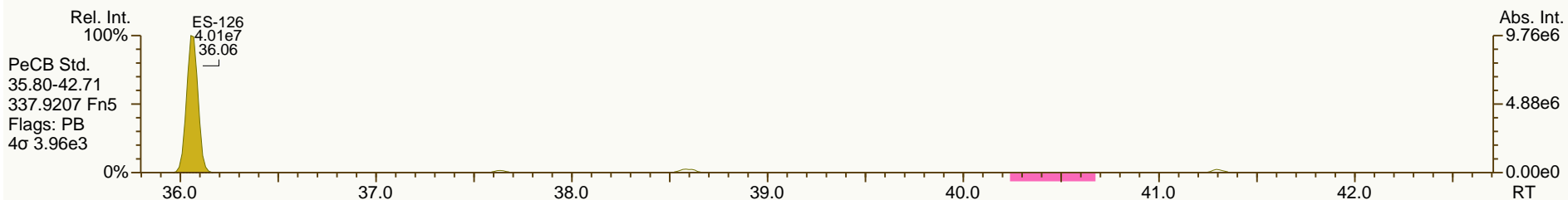
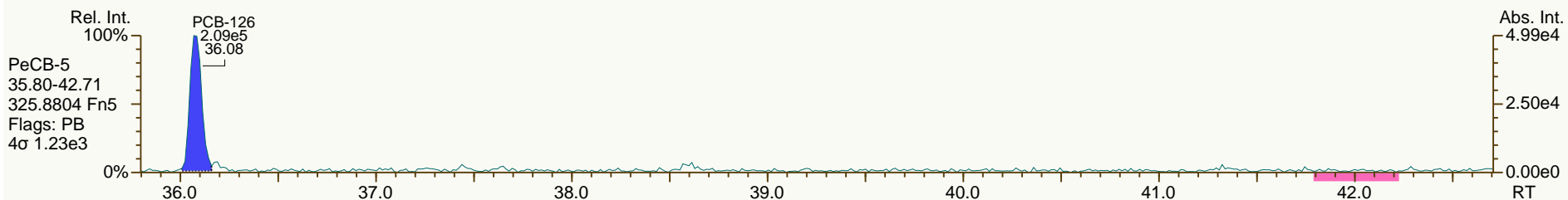
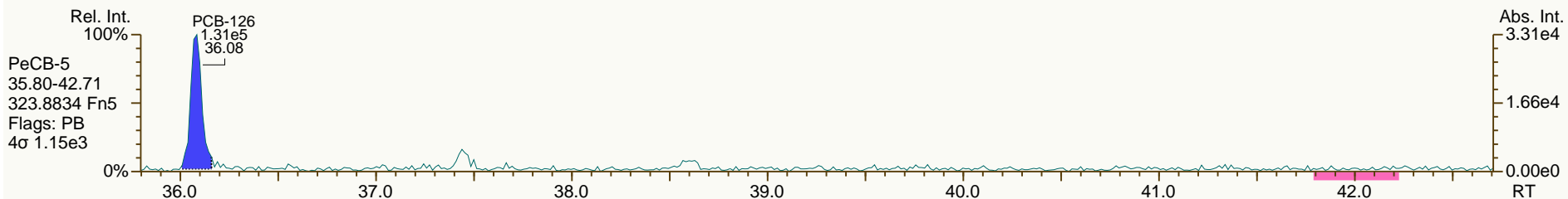


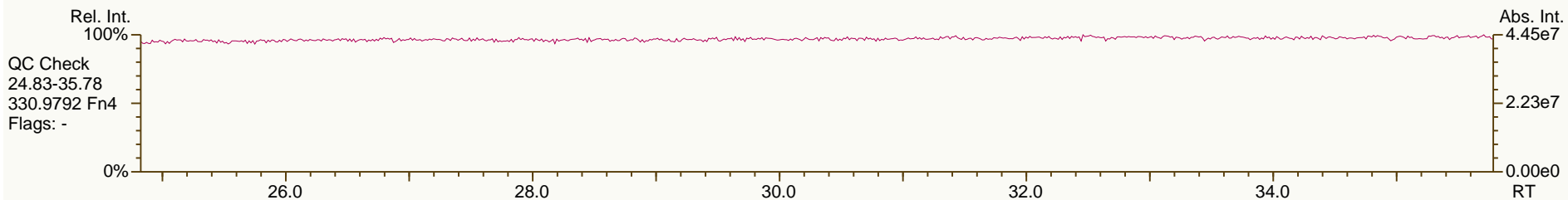
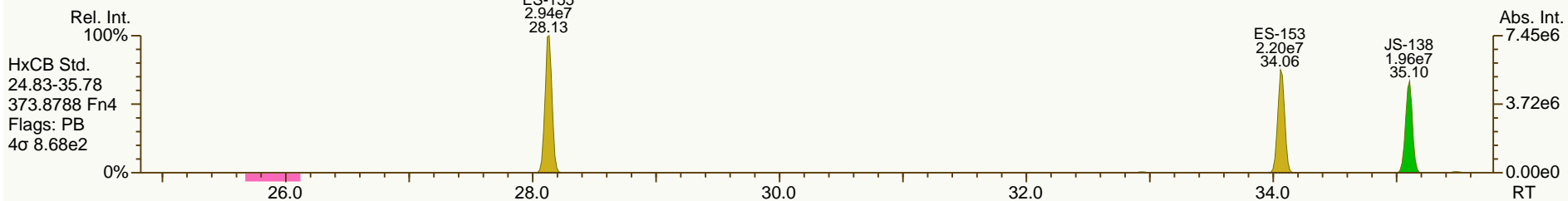
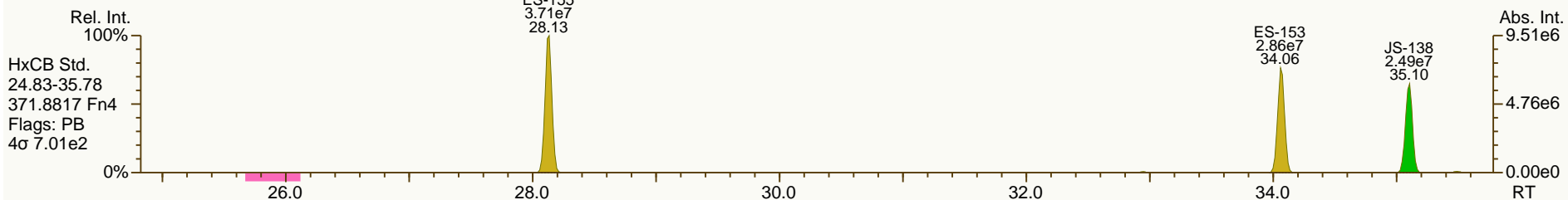
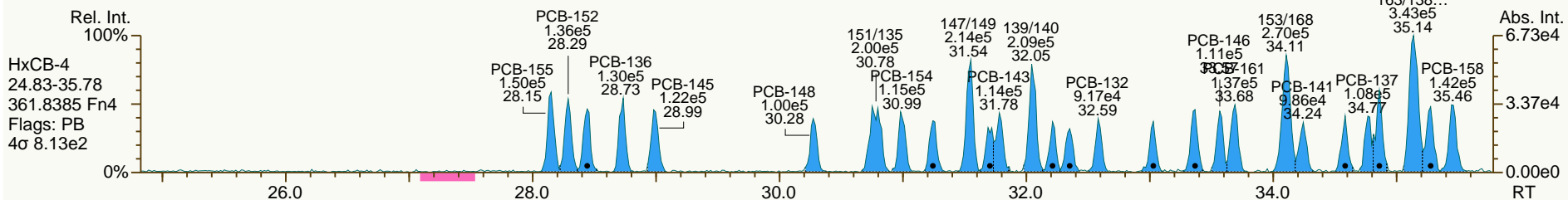
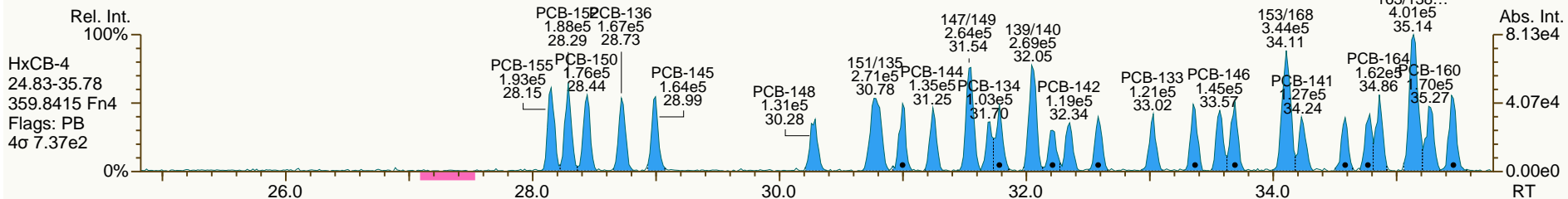


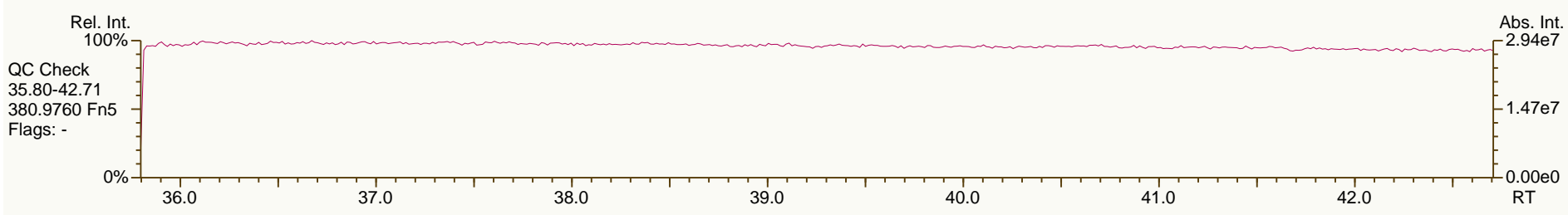
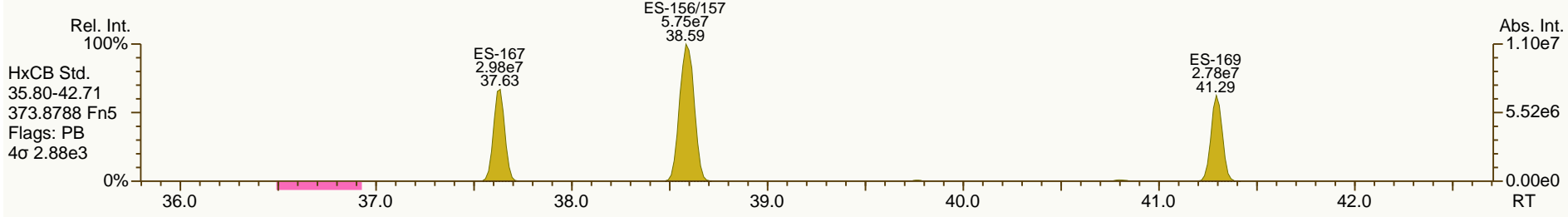
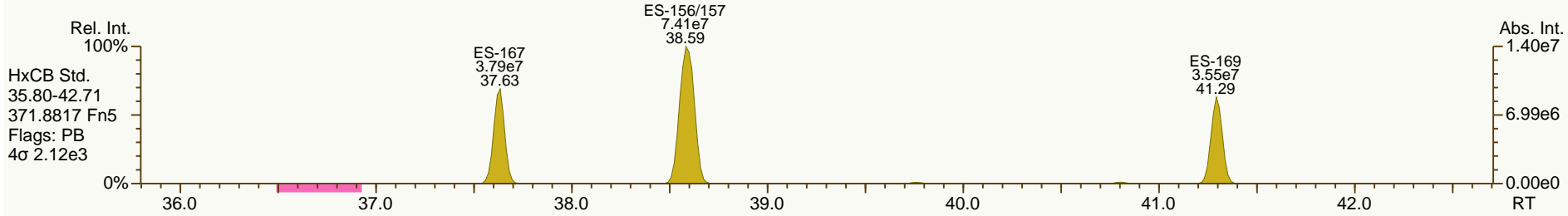
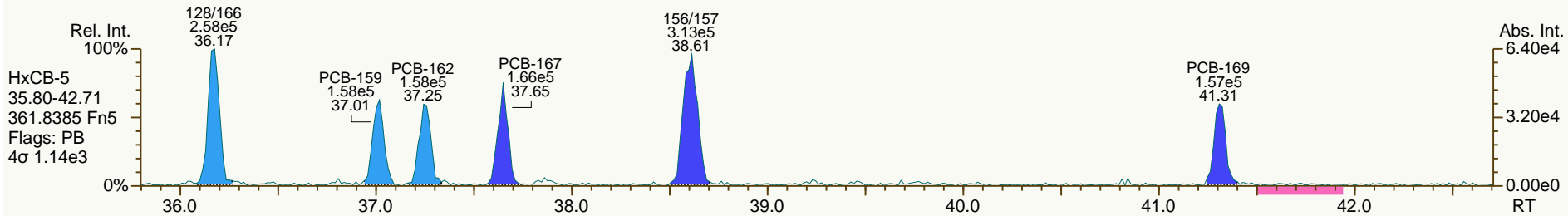
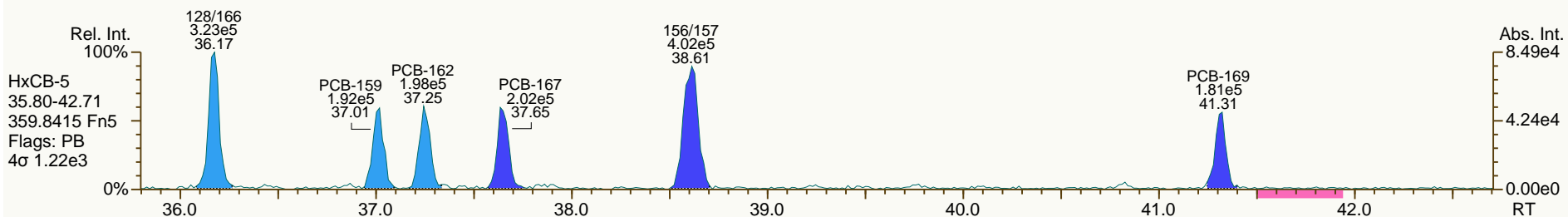


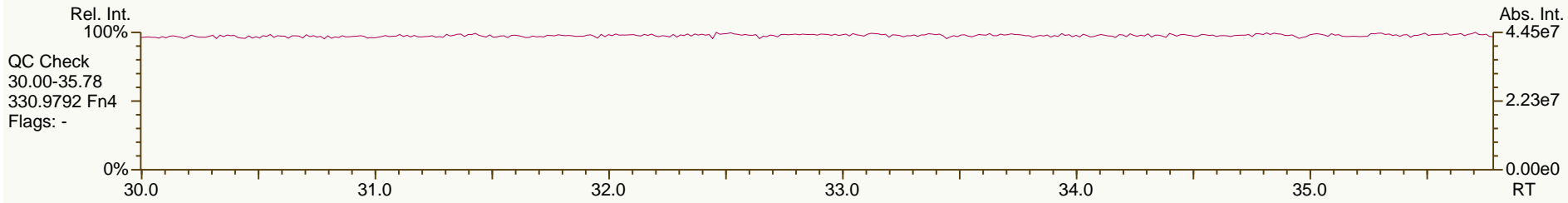
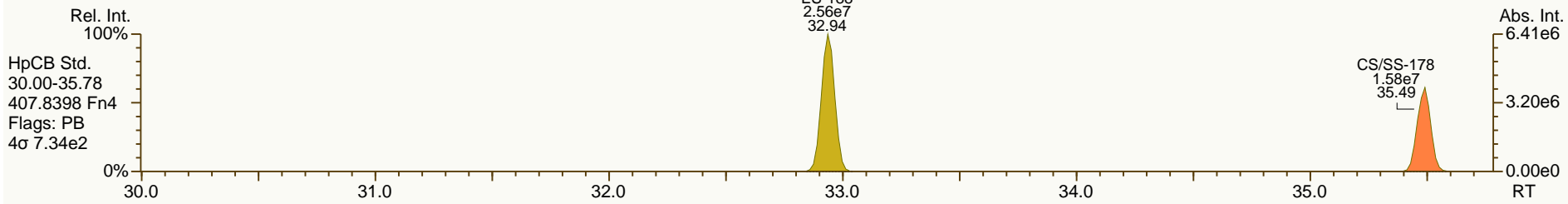
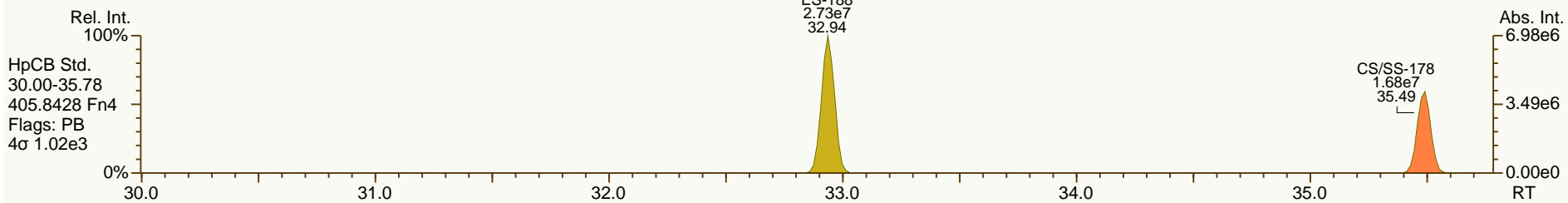
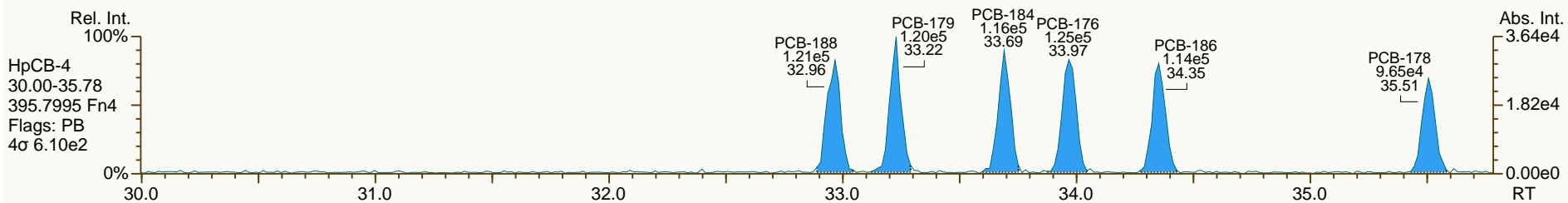
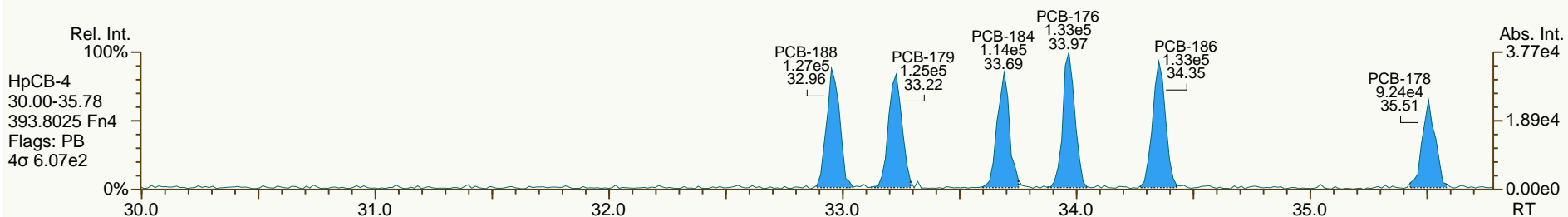


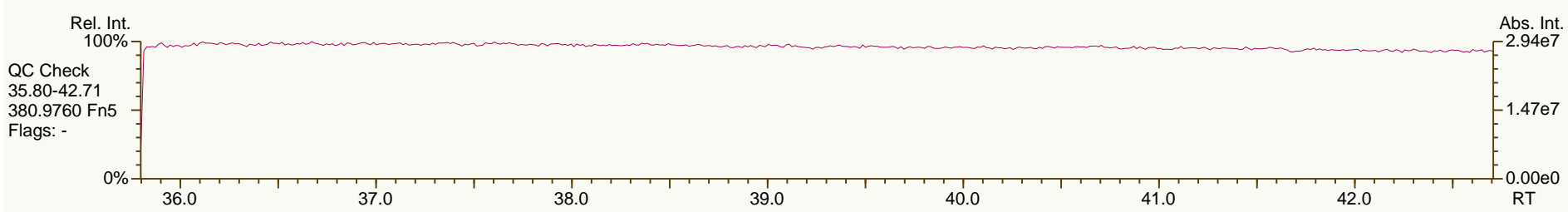
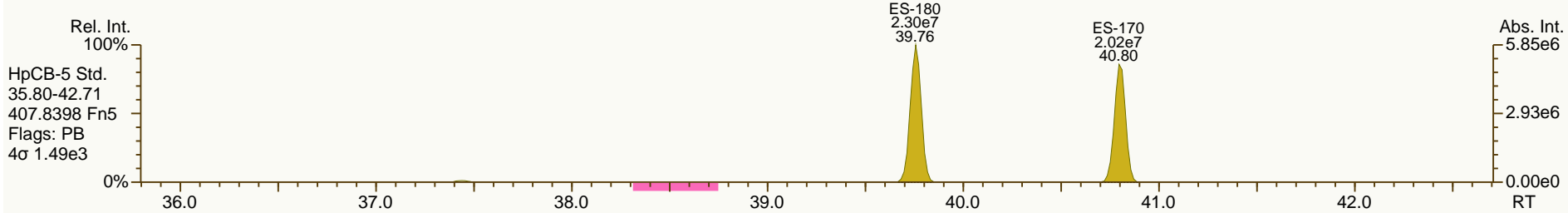
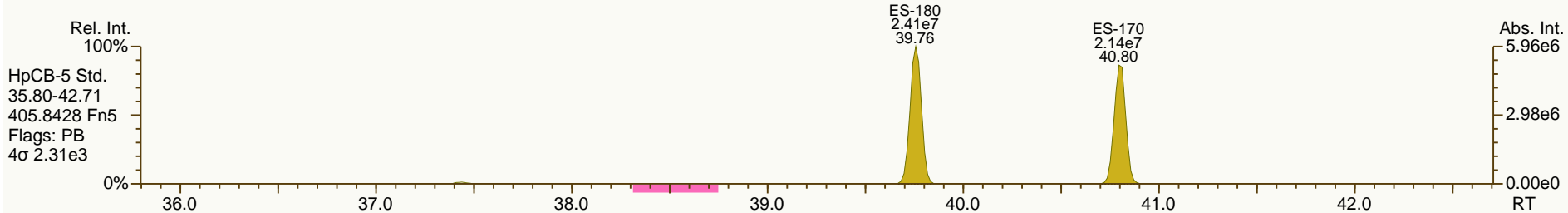
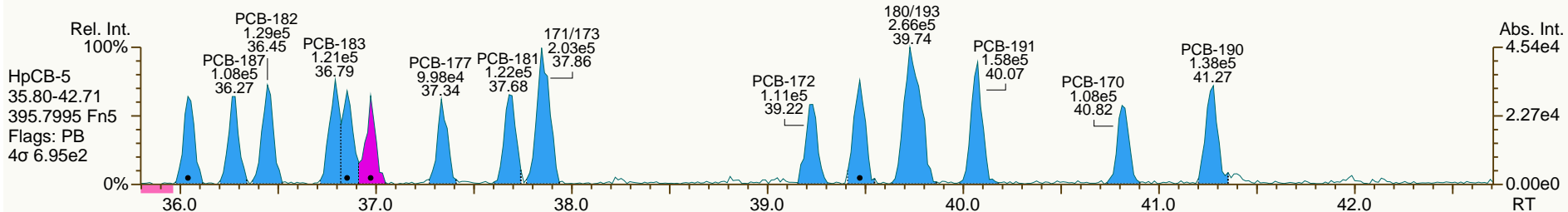
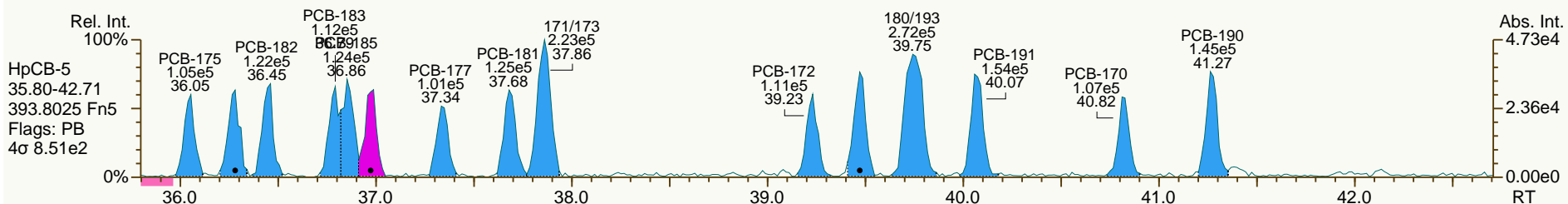


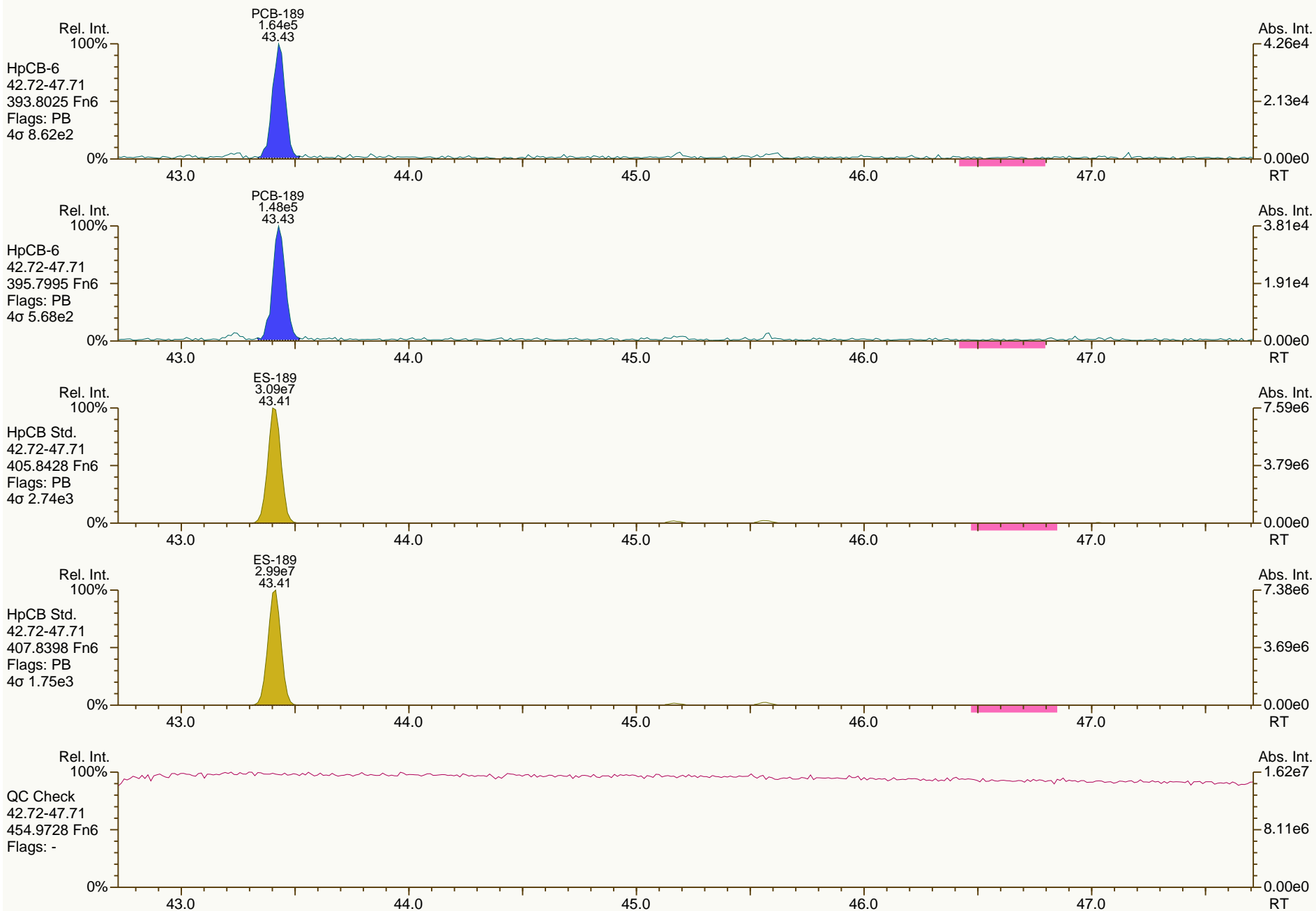


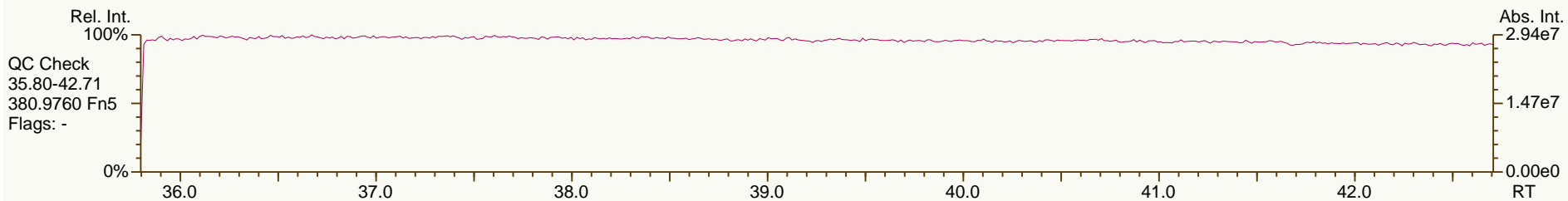
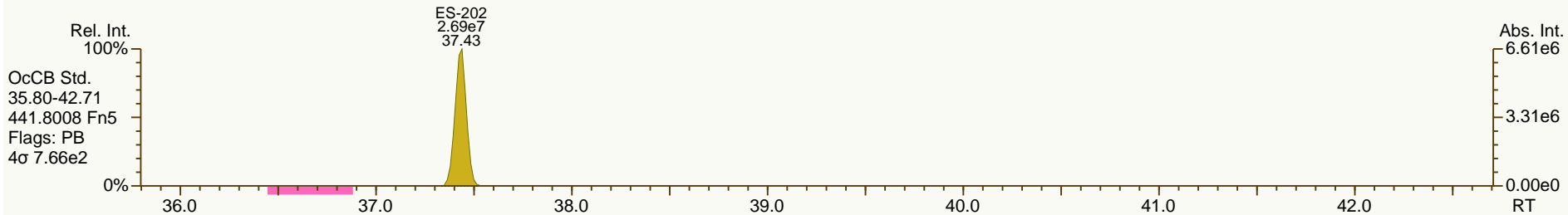
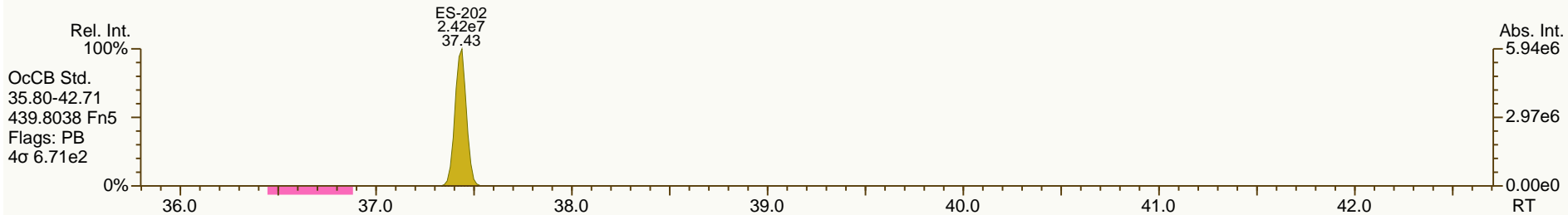
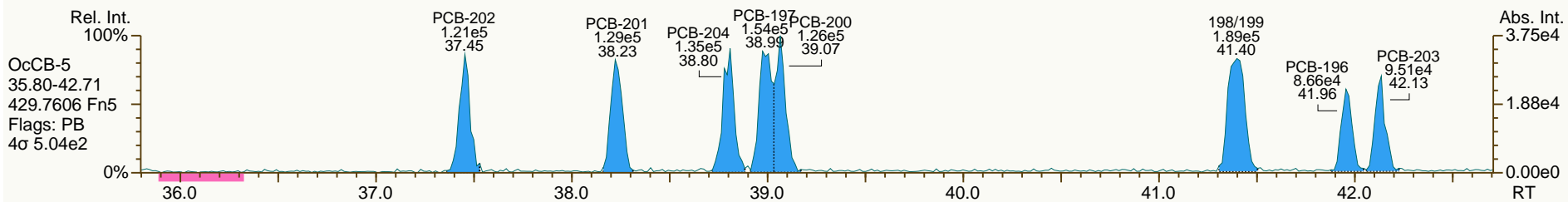
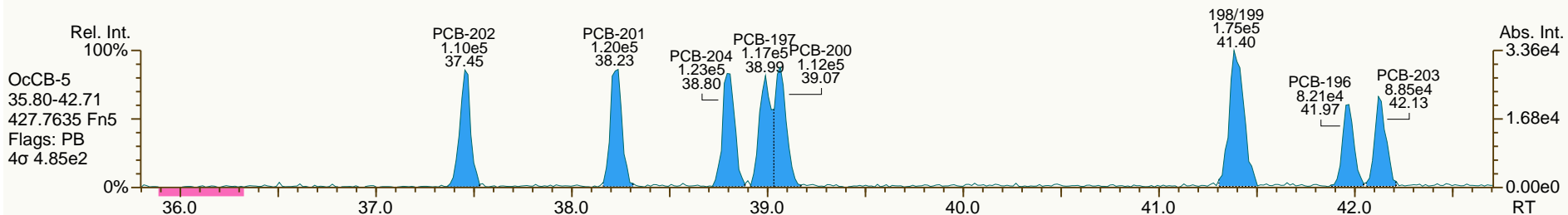


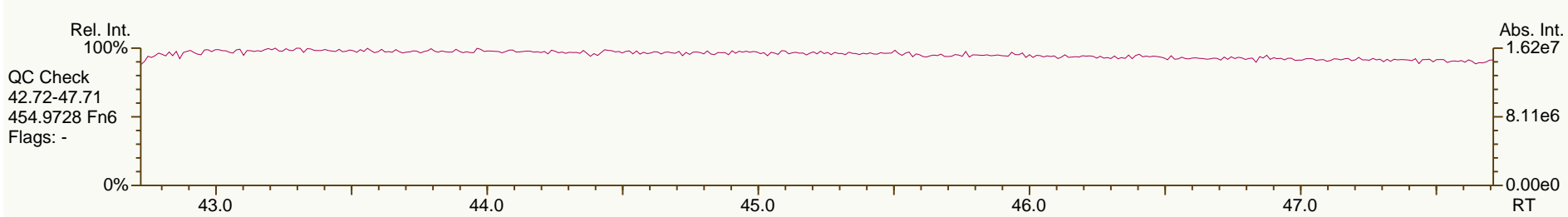
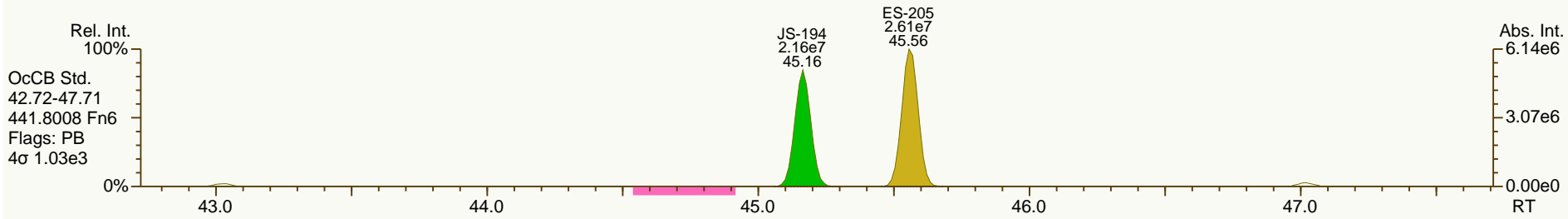
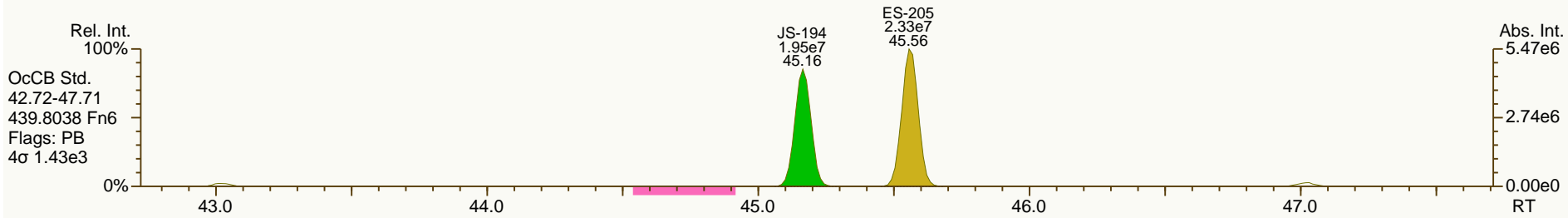
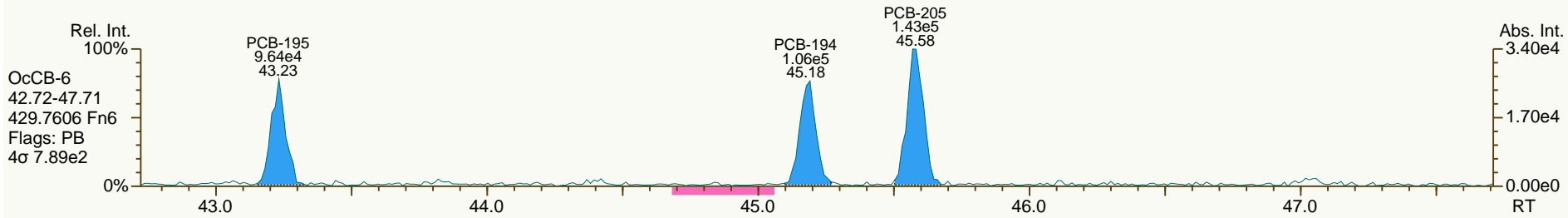
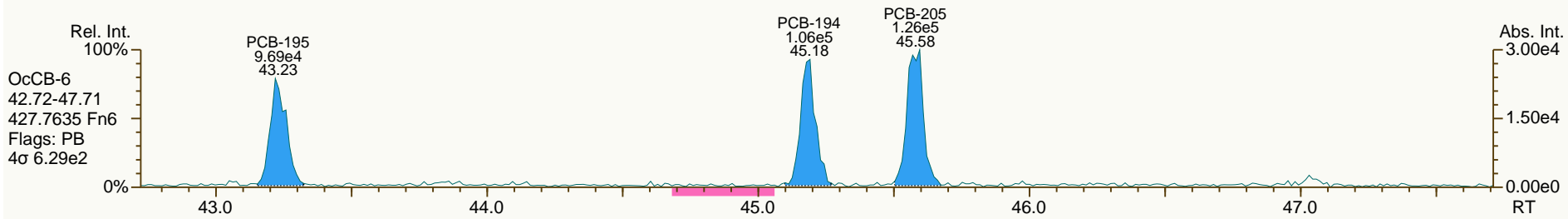




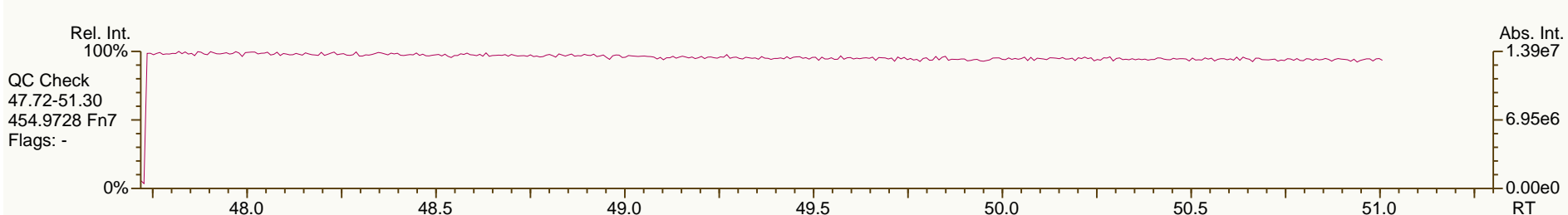
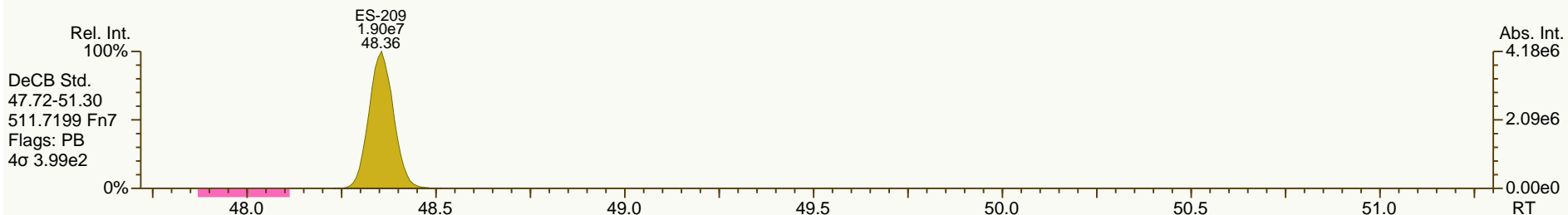
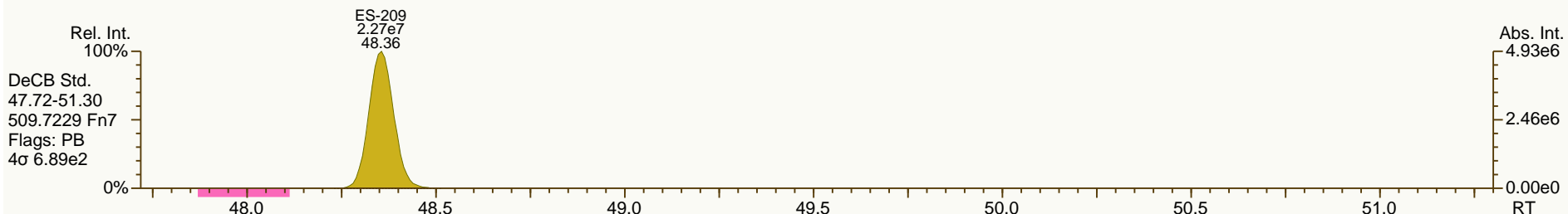
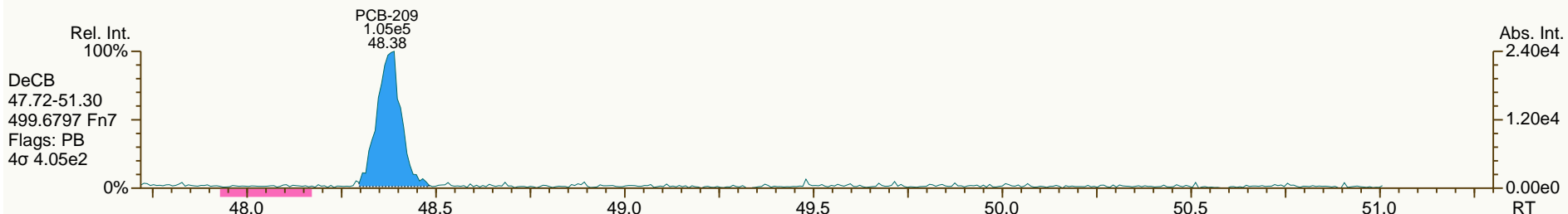
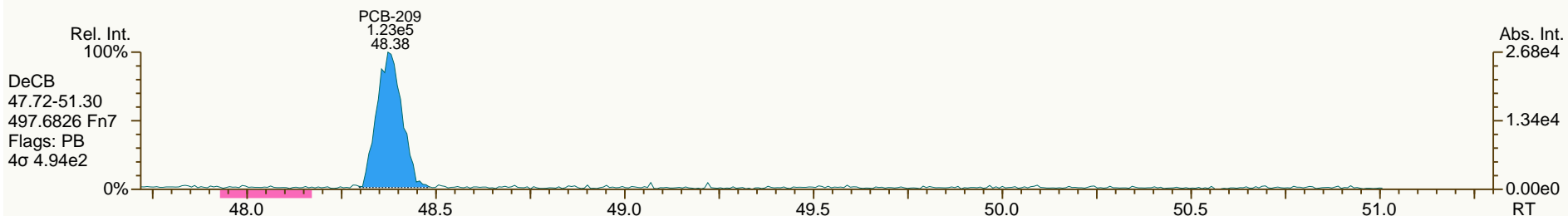












PCB QC Summary

SGS Analytical Perspectives

Printed: 28-Jul-2012 10:12

Lab ID: CS1_120725_PCB_XB
 Acquired: 26-JUL-2012 03:50
 Datafile: 120725X16

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	30.54	8.27E+05	0.81 Y	1.13	1.06	-6.8%
PCB-81 344'5'-TeCB	30.07	7.70E+05	0.76 Y	1.13	1.03	-8.6%
PCB-105 233'44'-PeCB	33.49	6.67E+05	0.63 Y	1.09	1.01	-8.1%
PCB-114 2344'5'-PeCB	32.96	7.33E+05	0.62 Y	1.16	1.10	-5.6%
PCB-118 23'44'5'-PeCB	32.51	7.22E+05	0.63 Y	1.11	1.05	-4.7%
PCB-123 2'344'5'-PeCB	32.23	7.33E+05	0.62 Y	1.19	1.12	-6.0%
PCB-126 33'44'5'-PeCB	36.08	6.20E+05	0.60 Y	1.06	0.98	-7.7%
PCB-156/157 233'44'5'/233'44'5'	38.61	1.37E+06	1.22 Y	1.11	1.07	-3.1%
PCB-167 23'44'55'-HxCB	37.65	7.15E+05	1.16 Y	1.14	1.07	-5.4%
PCB-169 33'44'55'-HxCB	41.31	6.50E+05	1.24 Y	1.11	1.05	-5.4%
PCB-189 233'44'55'-HpCB	43.42	5.97E+05	1.08 Y	1.06	1.00	-5.3%
PCB-209 DeCB	48.37	4.29E+05	1.17 Y	1.07	1.06	-1.3%
ES PCB-1	10.64	1.16E+08	3.19 Y	1.08	1.09	1.0%
ES PCB-3	12.70	1.17E+08	3.25 Y	1.08	1.09	1.1%
ES PCB-4	12.92	5.24E+07	1.62 Y	0.49	0.49	0.7%
ES PCB-15	18.24	1.18E+08	1.59 Y	1.11	1.11	-0.3%
ES PCB-19	15.75	5.95E+07	1.05 Y	0.55	0.56	0.8%
ES PCB-37	24.32	9.40E+07	1.06 Y	1.64	1.62	-1.2%
ES PCB-54	18.49	5.51E+07	0.76 Y	0.94	0.95	0.8%
ES PCB-77	30.52	7.83E+07	0.78 Y	1.35	1.35	0.0%
ES PCB-81	30.05	7.48E+07	0.79 Y	1.29	1.29	-0.1%
ES PCB-104	23.28	5.35E+07	1.57 Y	0.99	1.01	1.5%
ES PCB-105	33.46	6.63E+07	1.62 Y	1.23	1.25	1.3%
ES PCB-114	32.93	6.70E+07	1.60 Y	1.25	1.26	1.1%
ES PCB-118	32.49	6.85E+07	1.62 Y	1.28	1.29	0.7%
ES PCB-123	32.21	6.57E+07	1.60 Y	1.22	1.24	1.6%
ES PCB-126	36.06	6.33E+07	1.55 Y	1.20	1.19	-0.6%
ES PCB-153	34.06	5.10E+07	1.28 Y	1.14	1.15	1.0%
ES PCB-155	28.13	6.59E+07	1.30 Y	1.50	1.49	-0.3%
ES PCB-156/157	38.59	1.28E+08	1.28 Y	1.45	1.45	-0.5%
ES PCB-167	37.63	6.65E+07	1.28 Y	1.49	1.50	0.7%
ES PCB-169	41.29	6.18E+07	1.28 Y	1.40	1.40	-0.5%
ES PCB-170	40.80	4.04E+07	1.06 Y	1.00	0.99	-1.1%
ES PCB-180	39.76	4.65E+07	1.06 Y	1.16	1.14	-1.7%
ES PCB-188	32.94	5.19E+07	1.07 Y	1.18	1.17	-0.3%
ES PCB-189	43.41	5.97E+07	1.04 Y	1.49	1.46	-1.6%
ES PCB-202	37.43	5.04E+07	0.89 Y	1.14	1.14	0.3%
ES PCB-205	45.56	4.86E+07	0.90 Y	1.20	1.19	-0.9%
ES PCB-206	47.01	3.49E+07	0.78 Y	0.87	0.85	-1.7%
ES PCB-208	43.01	4.79E+07	0.80 Y	1.19	1.17	-1.4%
ES PCB-209	48.35	4.05E+07	1.18 Y	1.00	0.99	-1.0%

PCB QC Summary

SGS Analytical Perspectives

Printed: 28-Jul-2012 10:12

Lab ID: CS1_120725_PCB_XB
 Acquired: 26-JUL-2012 03:50
 Datafile: 120725X16

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	20.88	1.02E+08	1.06 Y	1.07	1.09	1.3%
SS PCB-111	30.57	6.52E+07	1.59 Y	1.01	0.99	-1.2%
SS PCB-178	35.49	3.28E+07	1.07 Y	0.63	0.63	0.5%
CS PCB-28	20.88	1.02E+08	1.06 Y	1.76	1.76	0.1%
CS PCB-111	30.57	6.52E+07	1.59 Y	1.23	1.23	0.3%
CS PCB-178	35.49	3.28E+07	1.07 Y	0.74	0.74	0.2%
JS PCB-9	14.74	1.07E+08	1.59 Y	-	-	-
JS PCB-52	22.45	5.82E+07	0.79 Y	-	-	-
JS PCB-101	28.30	5.31E+07	1.57 Y	-	-	-
JS PCB-138	35.10	4.42E+07	1.29 Y	-	-	-
JS PCB-194	45.16	4.08E+07	0.92 Y	-	-	-
PCB-1 2-MoCB	10.65	1.11E+06	3.37 Y	1.03	0.95	-7.7%
PCB-3 4-MoCB	12.71	1.12E+06	3.18 Y	1.04	0.96	-7.9%
PCB-4 22'-DiCB	12.93	5.71E+05	0.00 S	1.17	1.09	-6.7%
PCB-15 44'-DiCB	18.25	1.24E+06	1.58 Y	1.08	1.05	-2.6%
PCB-19 22'6'-TrCB	15.77	6.03E+05	1.08 Y	1.09	1.01	-7.2%
PCB-37 344'-TrCB	24.34	9.91E+05	1.03 Y	1.10	1.05	-4.5%
PCB-54 22'66'-TeCB	18.51	6.22E+05	0.82 Y	1.21	1.13	-6.6%
PCB-104 22'466'-PeCB	23.30	6.18E+05	0.67 Y	1.25	1.15	-8.0%
PCB-153 22'44'55' -HxCB	34.11	1.15E+06	1.29 Y	1.22	1.13	-7.3%
PCB-155 22'44'66'-HxCB	28.15	6.98E+05	1.23 Y	1.09	1.06	-2.9%
PCB-170 22'33'44'5'-HpCB	40.82	3.98E+05	1.08 Y	1.07	0.99	-8.2%
PCB-180 22'344'55'-HpCB	39.74	9.84E+05	1.05 Y	1.16	1.06	-8.6%
PCB-188 22'34'566'-HpCB	32.96	5.17E+05	1.08 Y	1.03	0.99	-3.8%
PCB-202 22'33'55'66'-OcCB	37.45	4.27E+05	0.84 Y	0.91	0.85	-7.5%
PCB-205 233'44'55'6'-OcCB	45.58	4.98E+05	0.88 Y	1.09	1.02	-6.0%
PCB-208 22'33'455'66'-NoCB	43.04	4.58E+05	0.80 Y	1.02	0.96	-6.0%
PCB-206 22'33'44'55'6'-NoCB	47.03	3.13E+05	0.74 Y	0.98	0.90	-8.3%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:12

Lab ID: CS1_120725_PCB_XB
 Acquired: 26-JUL-2012 03:50
 Datafile: 120725X16

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.65	1.11E+06	3.37 Y	1.03	0.95	-7.7%
PCB-2 3-MoCB	12.54	1.09E+06	3.11 Y	1.04	0.93	-10.5%
PCB-3 4-MoCB	12.71	1.12E+06	3.18 Y	1.04	0.96	-7.9%
PCB-4 22'-DiCB	12.93	5.71E+05	0.00 S	1.17	1.09	-6.7%
PCB-10 26-DiCB	13.10	8.68E+05	1.66 Y	1.83	1.66	-9.5%
PCB-9 25-DiCB	14.76	9.88E+05	1.58 Y	0.89	0.84	-6.4%
PCB-7 24-DiCB	14.91	1.14E+06	1.45 Y	1.02	0.97	-5.2%
PCB-6 23'-DiCB	15.12	1.02E+06	1.62 Y	0.95	0.87	-8.5%
PCB-5 23-DiCB	15.40	1.05E+06	1.58 Y	0.97	0.89	-8.3%
PCB-8 24'-DiCB	15.51	1.07E+06	1.55 Y	0.98	0.91	-7.9%
PCB-14 35-DiCB	16.98	1.28E+06	1.65 Y	1.16	1.09	-6.1%
PCB-11 33'-DiCB	17.71	1.12E+06	1.57 Y	1.00	0.95	-4.7%
PCB-13/12 34'-/34-DiCB	17.98	2.20E+06	1.58 Y	1.02	0.93	-8.2%
PCB-15 44'-DiCB	18.25	1.24E+06	1.58 Y	1.08	1.05	-2.6%
PCB-19 22'6-TrCB	15.77	6.03E+05	1.08 Y	1.09	1.01	-7.2%
PCB-30/18 246-/22'5-TrCB	17.43	1.61E+06	1.13 Y	1.46	1.35	-7.3%
PCB-17 22'4-TrCB	17.81	6.92E+05	1.12 Y	1.25	1.16	-7.0%
PCB-27 23'6-TrCB	17.99	9.34E+05	1.10 Y	1.69	1.57	-7.2%
PCB-24 236-TrCB	18.12	9.00E+05	1.03 Y	1.63	1.51	-7.4%
PCB-16 22'3-TrCB	18.20	5.04E+05	1.13 Y	0.95	0.85	-11.1%
PCB-32 24'6-TrCB	18.66	9.95E+05	1.03 Y	1.79	1.67	-6.4%
PCB-34 2'35-TrCB	19.77	9.06E+05	1.07 Y	1.05	0.96	-8.0%
PCB-23 235-TrCB	19.91	9.26E+05	1.03 Y	1.06	0.99	-6.8%
PCB-26/29 23'5-/245-TrCB	20.19	1.92E+06	1.04 Y	1.09	1.02	-6.1%
PCB-25 23'4-TrCB	20.37	9.37E+05	1.10 Y	1.07	1.00	-7.2%
PCB-31 24'5-TrCB	20.64	9.80E+05	1.09 Y	1.11	1.04	-6.1%
PCB-28/20 244'-/233'-TrCB	20.91	1.90E+06	1.04 Y	1.07	1.01	-5.5%
PCB-21/33 234-/2'34-TrCB	21.08	1.91E+06	1.08 Y	1.09	1.02	-7.0%
PCB-22 234'-TrCB	21.44	9.06E+05	1.05 Y	1.02	0.96	-5.1%
PCB-36 33'5-TrCB	22.79	1.02E+06	1.01 Y	1.13	1.08	-3.8%
PCB-39 34'5-TrCB	23.10	1.03E+06	1.00 Y	1.17	1.09	-6.3%
PCB-38 345-TrCB	23.60	8.98E+05	1.05 Y	1.03	0.96	-7.4%
PCB-35 33'4-TrCB	23.99	9.20E+05	1.04 Y	1.04	0.98	-5.9%
PCB-37 344'-TrCB	24.34	9.91E+05	1.03 Y	1.10	1.05	-4.5%
PCB-54 22'66'-TeCB	18.51	6.22E+05	0.82 Y	1.21	1.13	-6.6%
PCB-50/53 22'46-/22'56'TeCB	20.42	1.22E+06	0.78 Y	0.86	0.82	-4.4%
PCB-45 22'36'-TeCB	20.97	4.79E+05	0.80 Y	0.73	0.64	-12.4%
PCB-51 22'46'-TeCB	21.04	6.28E+05	0.80 Y	0.88	0.84	-4.5%
PCB-46 22'36'-TeCB	21.24	4.90E+05	0.84 Y	0.70	0.66	-5.8%
PCB-52 22'55'-TeCB	22.48	5.89E+05	0.79 Y	0.84	0.79	-6.5%
PCB-73 23'5'6TeCB	22.60	7.75E+05	0.78 Y	1.09	1.04	-5.0%
PCB-43 22'35'-TeCB	22.69	4.90E+05	0.82 Y	0.72	0.65	-9.5%
PCB-69/49 23'46-/22'45'TeCB	22.88	1.41E+06	0.82 Y	1.01	0.94	-6.8%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:12

Lab ID: CS1_120725_PCB_XB
 Acquired: 26-JUL-2012 03:50
 Datafile: 120725X16

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.15	5.88E+05	0.77 Y	0.85	0.79	-7.6%
PCB-44/47/65 22'35'-/22'44'-	23.35	1.83E+06	0.79 Y	0.89	0.82	-8.2%
PCB-59/62/75 233'6-/2346-/24	23.62	2.35E+06	0.80 Y	1.14	1.05	-8.1%
PCB-42 22'34'-TeCB	23.78	5.42E+05	0.79 Y	0.77	0.72	-6.1%
PCB-41 22'34'-TeCB	24.10	5.22E+05	0.77 Y	0.73	0.70	-4.0%
PCB-71/40 23'4'6/22'33'-TeCB	24.19	1.18E+06	0.80 Y	0.87	0.79	-8.8%
PCB-64 234'6'-TeCB	24.39	8.72E+05	0.78 Y	1.24	1.17	-5.7%
PCB-72 23'55'-TeCB	25.12	7.90E+05	0.75 Y	1.14	1.06	-7.6%
PCB-68 23'45'-TeCB	25.36	8.26E+05	0.79 Y	1.21	1.10	-8.7%
PCB-57 233'5'-TeCB	25.72	7.56E+05	0.74 Y	1.11	1.01	-8.6%
PCB-58 233'5'-TeCB	25.91	7.56E+05	0.78 Y	1.10	1.01	-8.1%
PCB-67 23'45'-TeCB	26.07	8.25E+05	0.83 Y	1.16	1.10	-5.0%
PCB-63 234'5'-TeCB	26.29	8.45E+05	0.76 Y	1.22	1.13	-7.1%
PCB-61/70/74/76 2345-/23'4'5	26.57	3.11E+06	0.79 Y	1.13	1.04	-8.2%
PCB-66 23'44'-TeCB	26.85	7.41E+05	0.82 Y	1.08	0.99	-7.8%
PCB-55 233'4'-TeCB	26.98	7.70E+05	0.74 Y	1.10	1.03	-6.2%
PCB-56 233'4'-TeCB	27.40	7.27E+05	0.74 Y	1.06	0.97	-8.0%
PCB-60 2344'-TeCB	27.59	7.66E+05	0.74 Y	1.11	1.02	-7.9%
PCB-80 33'55'-TeCB	27.95	8.69E+05	0.77 Y	1.25	1.16	-7.3%
PCB-79 33'45'-TeCB	29.23	8.68E+05	0.81 Y	1.23	1.16	-5.9%
PCB-78 33'45'-TeCB	29.70	7.54E+05	0.72 Y	1.08	1.01	-6.7%
PCB-104 22'466'-PeCB	23.30	6.18E+05	0.67 Y	1.25	1.15	-8.0%
PCB-96 22'366'-PeCB	23.60	5.55E+05	0.66 Y	1.08	1.04	-3.6%
PCB-103 22'45'6'-PeCB	25.27	5.59E+05	0.64 Y	0.90	0.85	-5.6%
PCB-94 22'356'-PeCB	25.45	4.73E+05	0.62 Y	0.78	0.72	-7.2%
PCB-95 22'35'6'-PeCB	25.82	4.87E+05	0.62 Y	0.83	0.74	-10.3%
PCB-100/93 22'44'6-/22'356-P	26.03	1.03E+06	0.61 Y	0.84	0.78	-7.0%
PCB-102 22'456'-PeCB	26.13	5.18E+05	0.58 Y	0.90	0.79	-12.4%
PCB-98 22'3'46'-PeCB	26.20	5.12E+05	0.59 Y	0.77	0.78	0.9%
PCB-88 22'346'-PeCB	26.49	4.69E+05	0.65 Y	0.79	0.71	-10.0%
PCB-91 22'34'6'-PeCB	26.56	5.55E+05	0.63 Y	0.88	0.84	-4.0%
PCB-84 22'33'6'-PeCB	26.74	4.30E+05	0.60 Y	0.71	0.65	-7.9%
PCB-89 22'346'-PeCB	27.14	4.69E+05	0.64 Y	0.76	0.71	-6.1%
PCB-121 23'45'6'-PeCB	27.52	7.02E+05	0.66 Y	1.14	1.07	-6.5%
PCB-92 22'355'-PeCB	27.83	4.88E+05	0.63 Y	0.80	0.74	-7.0%
PCB-113/90/101 233'5'6-/22'3	28.30	1.74E+06	0.63 Y	0.93	0.88	-5.6%
PCB-83 22'33'5'-PeCB	28.71	4.47E+05	0.59 Y	0.71	0.68	-4.6%
PCB-99 22'44'5'-PeCB	28.82	4.93E+05	0.65 Y	0.87	0.75	-13.9%
PCB-112 233'56'-PeCB	28.91	7.32E+05	0.58 Y	1.13	1.11	-1.0%
PCB-108/119/86/97/125/87 233	29.25	3.48E+06	0.61 Y	0.95	0.88	-6.9%
PCB-117 234'56'-PeCB	29.78	7.14E+05	0.58 Y	1.04	1.09	4.6%
PCB-116/85 23456-/22'344'-Pe	29.85	1.13E+06	0.63 Y	0.97	0.86	-11.2%
PCB-110 233'4'6'-PeCB	29.97	6.02E+05	0.60 Y	1.02	0.92	-10.4%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:12

Lab ID: CS1_120725_PCB_XB
 Acquired: 26-JUL-2012 03:50
 Datafile: 120725X16

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6-PeCB	30.06	7.27E+05	0.57 Y	1.16	1.11	-4.4%
PCB-82 22'33'4-PeCB	30.24	4.25E+05	0.61 Y	0.69	0.65	-6.3%
PCB-111 233'55'-PeCB	30.59	7.11E+05	0.61 Y	1.15	1.08	-6.2%
PCB-120 23'455'-PeCB	30.98	7.11E+05	0.59 Y	1.16	1.08	-6.7%
PCB-107/124 233'4'5'-/2'3455'	31.92	1.31E+06	0.60 Y	1.07	1.00	-7.3%
PCB-109 233'46-PeCB	32.13	7.10E+05	0.61 Y	1.14	1.08	-5.3%
PCB-106 233'45-PeCB	32.33	6.34E+05	0.64 Y	1.07	0.97	-9.8%
PCB-122 2'33'45-PeCB	32.79	6.54E+05	0.62 Y	1.00	0.98	-2.4%
PCB-127 33'455'-PeCB	34.73	6.91E+05	0.59 Y	1.10	1.04	-5.2%
PCB-155 22'44'66'-HxCB	28.15	6.98E+05	1.23 Y	1.09	1.06	-2.9%
PCB-152 22'3566'-HxCB	28.29	6.22E+05	1.37 Y	1.01	0.94	-6.8%
PCB-150 22'34'66'-HxCB	28.44	6.07E+05	1.27 Y	1.00	0.92	-8.4%
PCB-136 22'33'66'-HxCB	28.72	5.96E+05	1.28 Y	0.95	0.90	-5.1%
PCB-145 22'3466'HxCB	28.99	6.02E+05	1.30 Y	0.96	0.91	-5.1%
PCB-148 22'34'56'-HxCB	30.28	4.49E+05	1.27 Y	0.97	0.88	-9.2%
PCB-151/135 22'355'6-/22'33'	30.78	9.24E+05	1.29 Y	0.96	0.91	-5.9%
PCB-154 22'44'5'6-HxCB	30.99	5.18E+05	1.28 Y	1.09	1.02	-6.7%
PCB-144 22'345'6-HxCB	31.24	4.58E+05	1.23 Y	0.98	0.90	-8.6%
PCB-147/149 22'34'56-/22'34'	31.54	9.24E+05	1.24 Y	0.99	0.91	-8.0%
PCB-134 22'33'56-HxCB	31.71	4.24E+05	1.30 Y	0.80	0.83	3.8%
PCB-143 22'3456'-HxCB	31.79	4.08E+05	1.31 Y	0.95	0.80	-16.2%
PCB-139/140 22'344'6-/22'344'	32.05	9.39E+05	1.25 Y	1.00	0.92	-7.8%
PCB-131 22'33'46-HxCB	32.21	4.05E+05	1.29 Y	0.85	0.79	-6.5%
PCB-142 22'3456-HxCB	32.35	4.13E+05	1.35 Y	0.87	0.81	-7.2%
PCB-132 22'33'46'-HxCB	32.58	4.09E+05	1.21 Y	0.89	0.80	-9.7%
PCB-133 22'33'55'-HxCB	33.02	4.41E+05	1.33 Y	0.91	0.87	-5.3%
PCB-165 233'55'6-HxCB	33.36	5.42E+05	1.34 Y	1.13	1.06	-6.2%
PCB-146 22'34'55'-HxCB	33.57	4.70E+05	1.32 Y	1.01	0.92	-8.3%
PCB-161 233'45'6-HxCB	33.68	6.01E+05	1.19 Y	1.25	1.18	-5.9%
PCB-153/168 22'44'55'-/23'44'	34.11	1.15E+06	1.29 Y	1.22	1.13	-7.3%
PCB-141 22'3455'-HxCB	34.24	4.40E+05	1.19 Y	0.93	0.86	-6.9%
PCB-130 22'33'45'-HxCB	34.58	3.98E+05	1.17 Y	0.85	0.78	-7.9%
PCB-137 22'344'5-HxCB	34.77	5.17E+05	1.12 Y	1.04	1.01	-2.7%
PCB-164 233'4'5'6-HxCB	34.86	5.92E+05	1.18 Y	1.22	1.16	-5.1%
PCB-163/138/129 233'4'56-/22'	35.14	1.46E+06	1.31 Y	1.02	0.96	-6.4%
PCB-160 233'456-HxCB	35.27	5.94E+05	1.22 Y	1.21	1.17	-3.5%
PCB-158 233'44'6-HxCB	35.45	6.47E+05	1.37 Y	1.34	1.27	-5.1%
PCB-128/166 22'33'44'-/2344'5	36.17	1.14E+06	1.26 Y	0.90	0.86	-4.2%
PCB-159 233'455'-HxCB	37.01	6.56E+05	1.26 Y	1.06	0.99	-7.2%
PCB-162 233'4'55'-HxCB	37.25	6.53E+05	1.22 Y	1.08	0.98	-8.7%
PCB-188 22'34'566'-HpCB	32.96	5.17E+05	1.08 Y	1.03	0.99	-3.8%
PCB-179 22'33'566'-HpCB	33.23	4.75E+05	1.13 Y	0.97	0.91	-5.5%
PCB-184 22'344'66'-HpCB	33.69	4.58E+05	0.97 Y	0.93	0.88	-5.5%

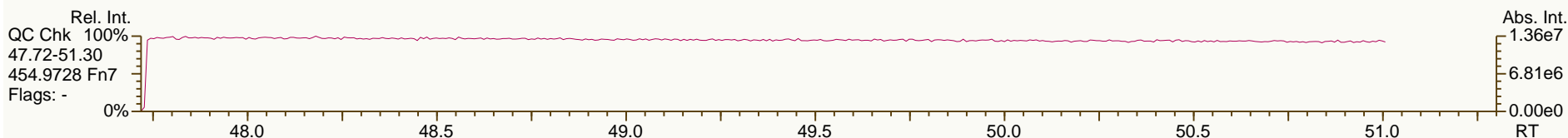
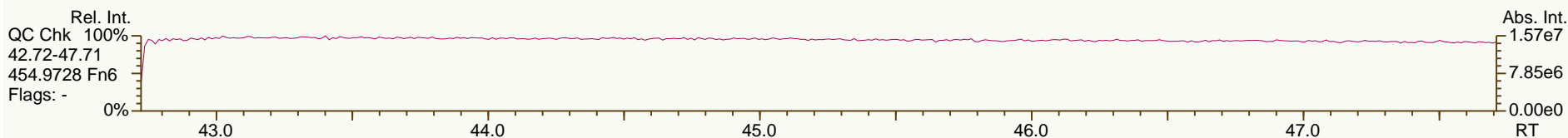
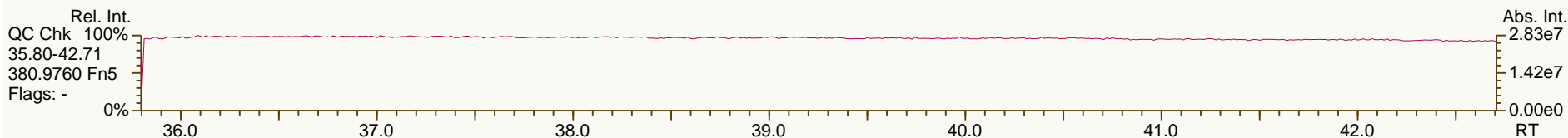
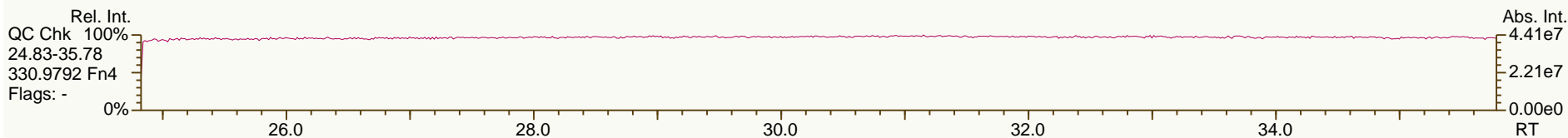
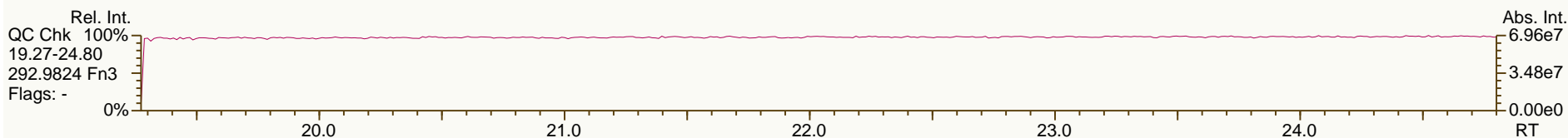
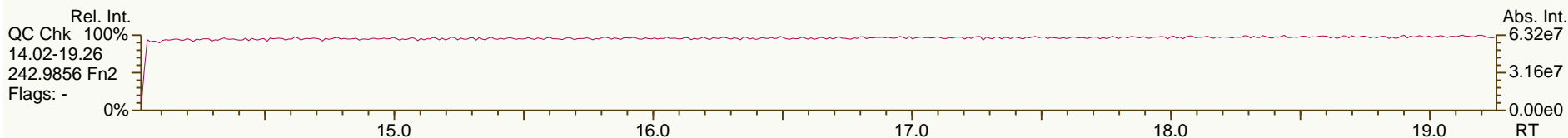
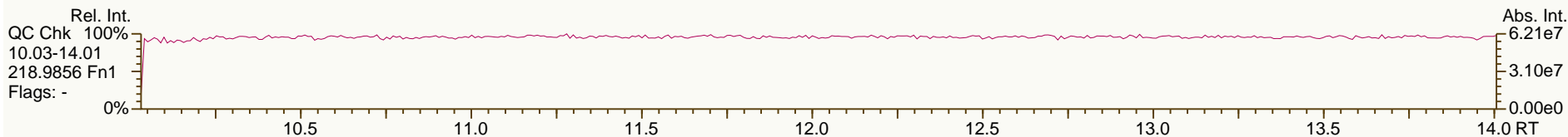
PCB QC Summary - Ax2 Detail

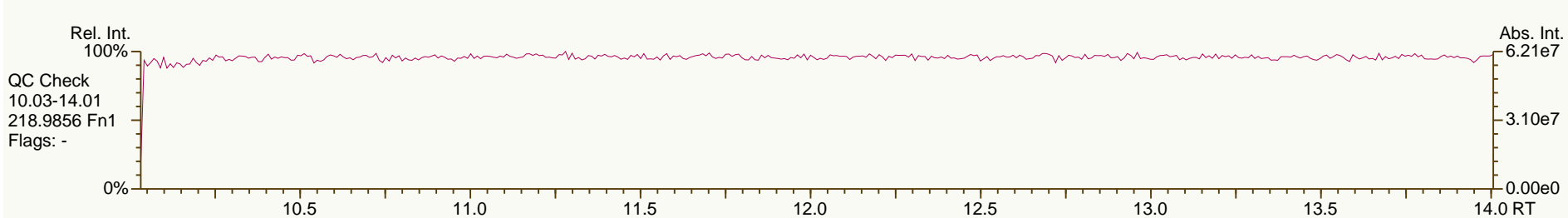
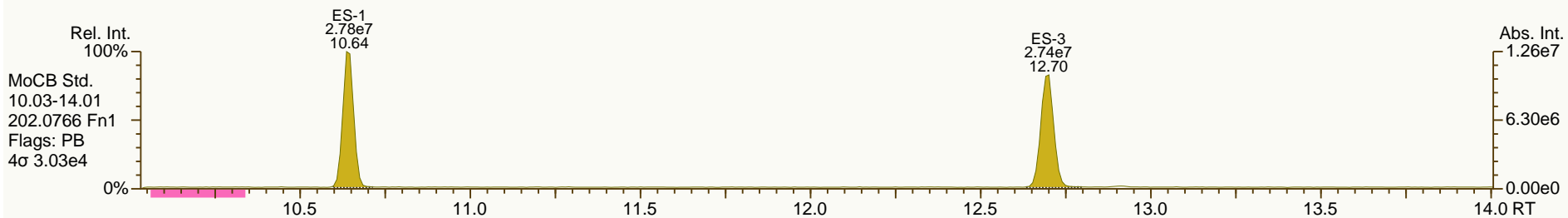
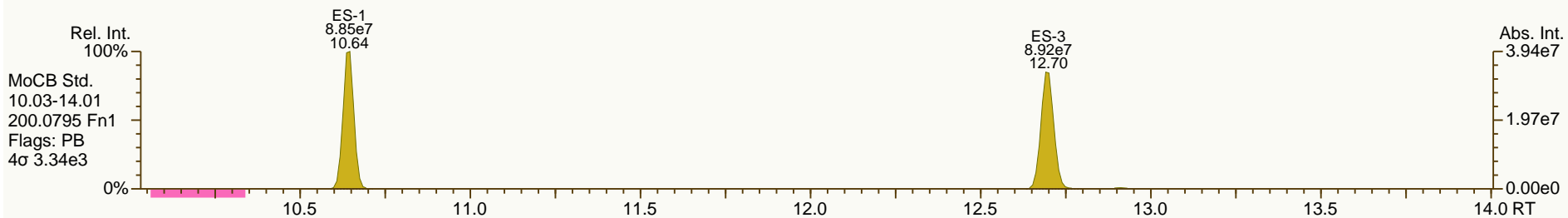
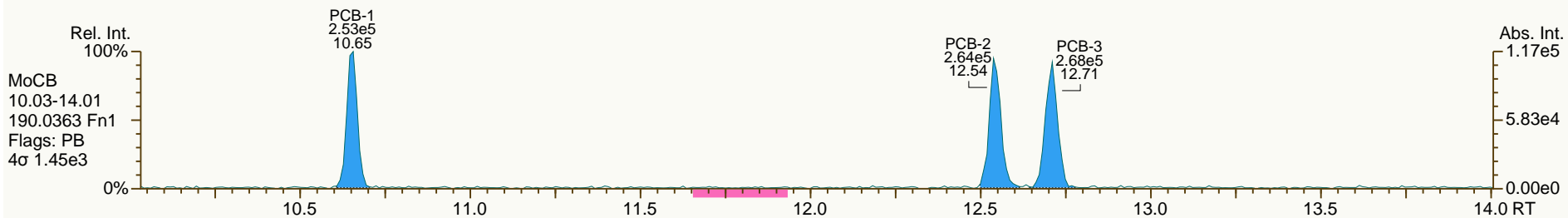
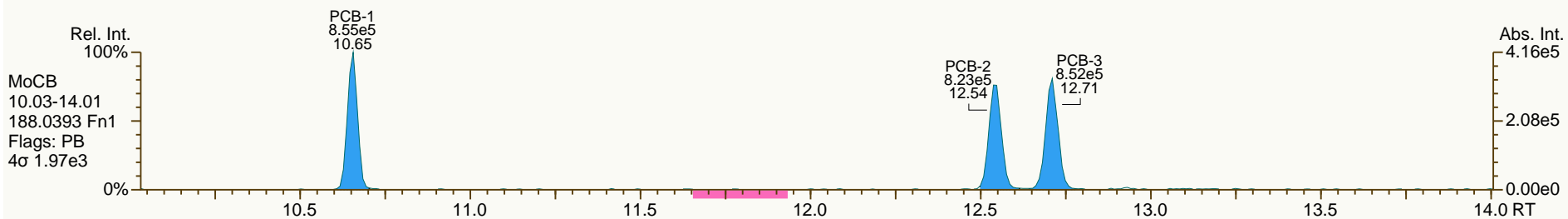
Printed: 28-Jul-2012 10:12

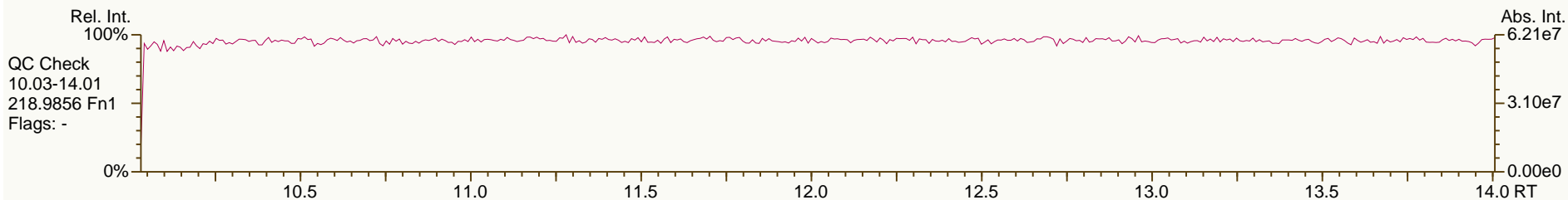
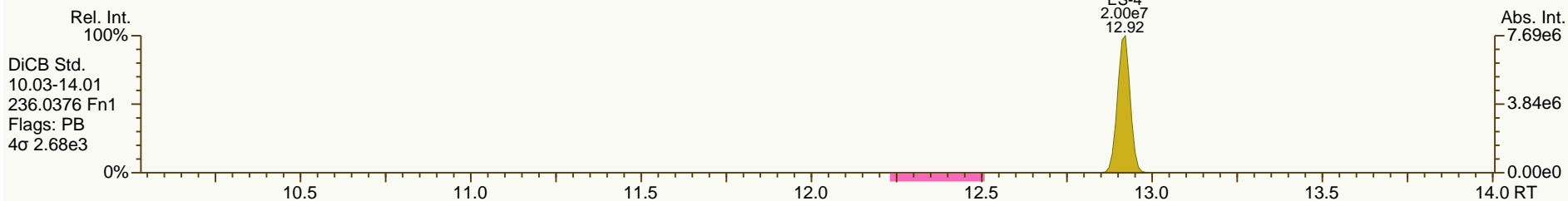
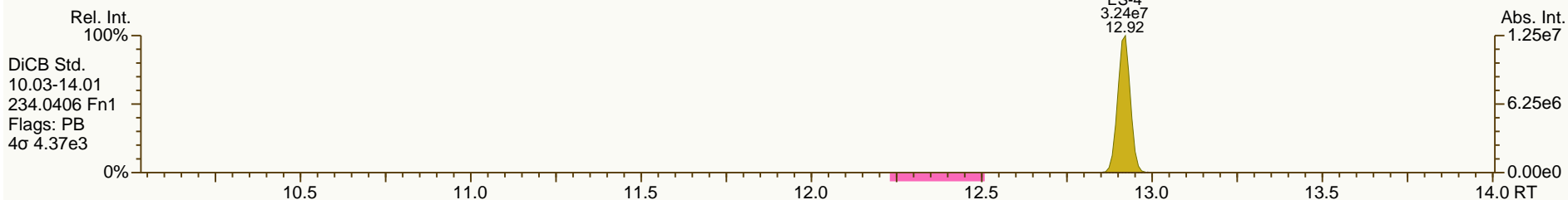
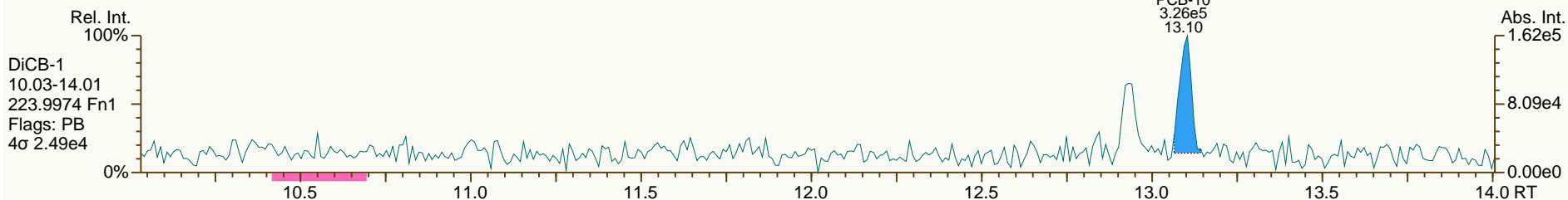
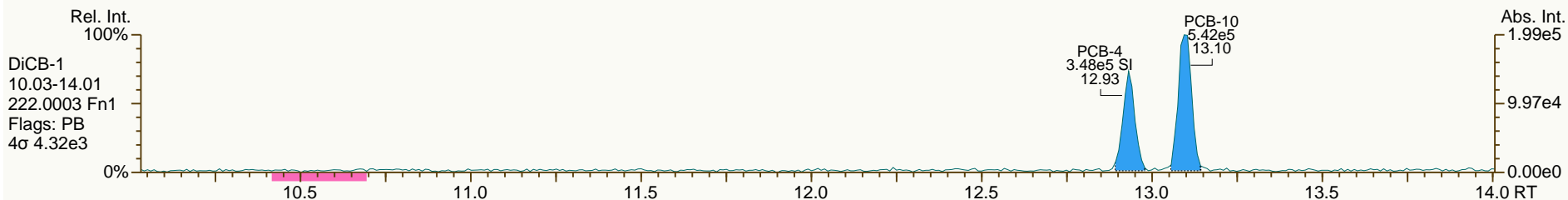
Lab ID: CS1_120725_PCB_XB
 Acquired: 26-JUL-2012 03:50
 Datafile: 120725X16

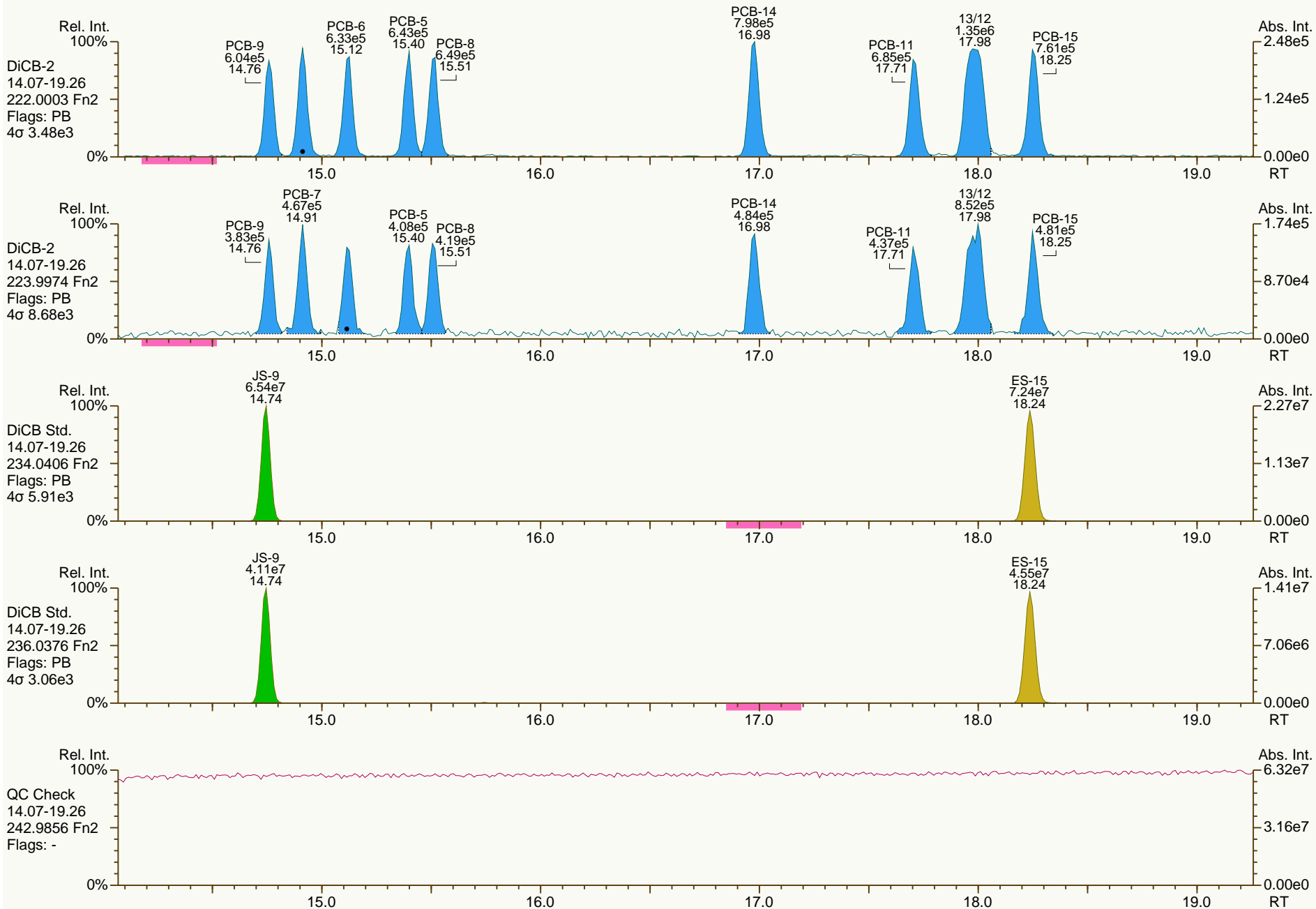
ICAL: MM7_PCB_07132012_25JUL12

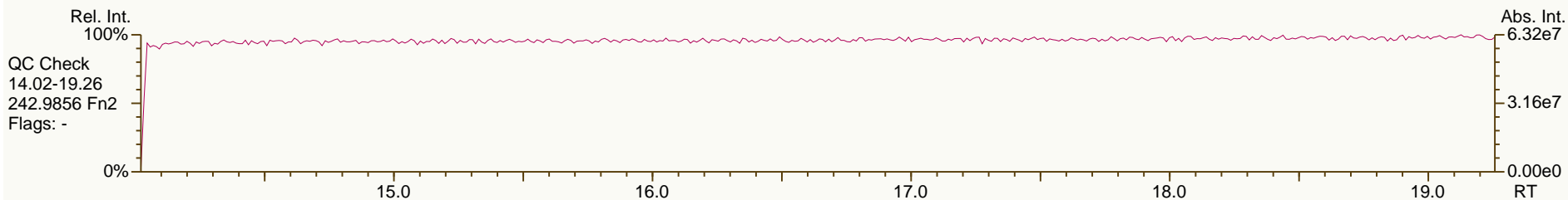
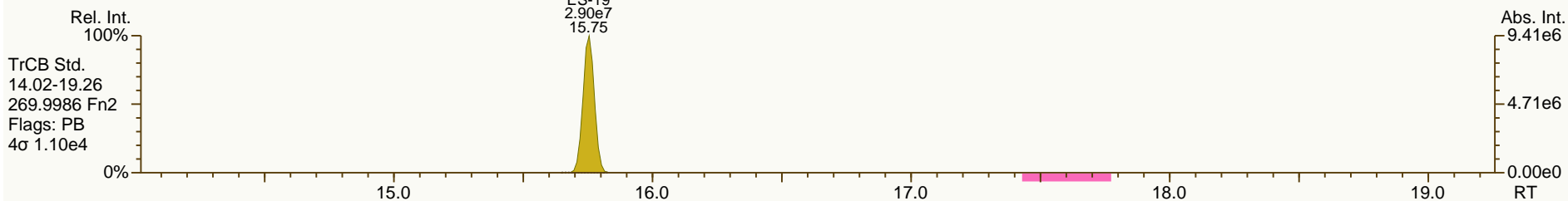
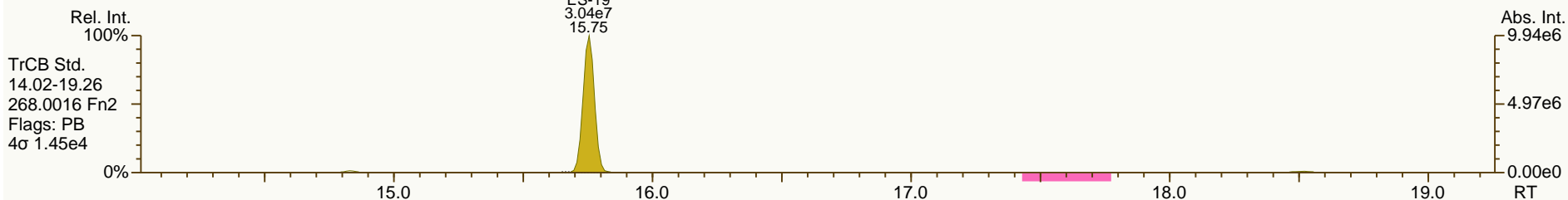
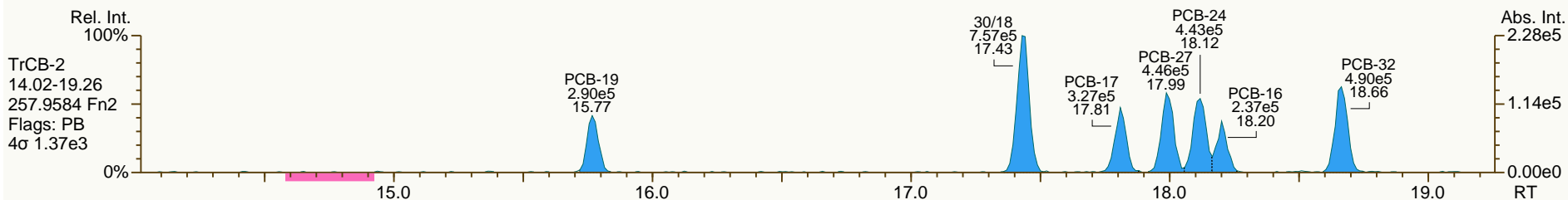
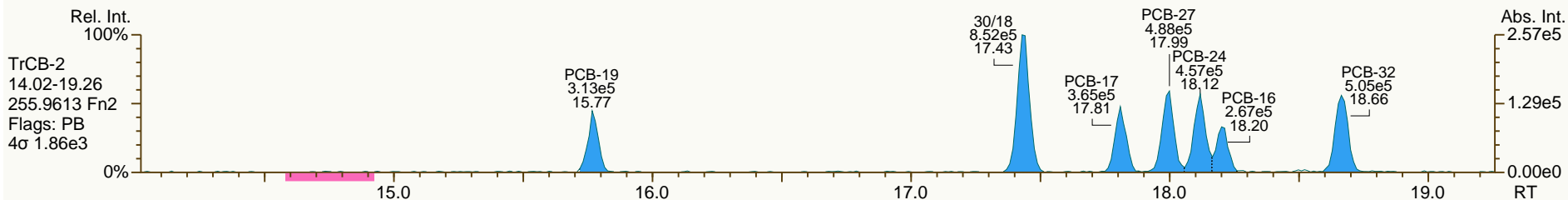
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-176 22'33'466'-HpCB	33.97	5.13E+05	1.05 Y	1.05	0.99	-5.7%
PCB-186 22'34566'-HpCB	34.35	4.76E+05	1.12 Y	0.98	0.92	-6.6%
PCB-178 22'33'55'6'-HpCB	35.51	3.64E+05	1.17 Y	0.74	0.70	-4.7%
PCB-175 22'33'45'6'-HpCB	36.04	4.27E+05	1.00 Y	1.01	0.92	-8.8%
PCB-187 22'34'55'6'-HpCB	36.27	4.59E+05	1.10 Y	1.06	0.99	-6.9%
PCB-182 22'344'56'-HpCB	36.45	5.07E+05	0.98 Y	1.11	1.09	-1.7%
PCB-183 22'344'5'6'-HpCB	36.78	4.76E+05	1.01 Y	1.13	1.03	-9.5%
PCB-185 22'3455'6'-HpCB	36.86	4.69E+05	1.04 Y	1.02	1.01	-0.8%
PCB-174 22'33'456'-HpCB	36.97	4.17E+05	1.00 Y	0.93	0.90	-3.1%
PCB-177 22'33'4'56'-HpCB	37.34	3.93E+05	1.08 Y	0.91	0.85	-6.5%
PCB-181 22'344'56'-HpCB	37.68	4.75E+05	1.08 Y	1.06	1.02	-3.8%
PCB-171/173 22'33'44'6'-/22'3	37.86	8.13E+05	1.11 Y	0.93	0.87	-5.7%
PCB-172 22'33'455'-HpCB	39.23	4.21E+05	1.04 Y	0.95	0.91	-5.0%
PCB-192 233'455'6'-HpCB	39.47	5.36E+05	1.10 Y	1.24	1.15	-7.0%
PCB-180/193 22'344'55'-/233'	39.74	9.84E+05	1.05 Y	1.16	1.06	-8.6%
PCB-191 233'44'5'6'-HpCB	40.07	5.67E+05	1.14 Y	1.30	1.22	-6.3%
PCB-170 22'33'44'5'-HpCB	40.82	3.98E+05	1.08 Y	1.07	0.99	-8.2%
PCB-190 233'44'56'-HpCB	41.26	5.55E+05	1.06 Y	1.45	1.37	-5.4%
PCB-202 22'33'55'66'-OcCB	37.45	4.27E+05	0.84 Y	0.91	0.85	-7.5%
PCB-201 22'33'45'66'-OcCB	38.23	4.87E+05	0.88 Y	1.02	0.97	-5.4%
PCB-204 22'344'566'-OcCB	38.80	4.51E+05	0.97 Y	0.98	0.90	-8.3%
PCB-197 22'33'44'66'-OcCB	38.99	5.40E+05	0.94 Y	1.06	1.07	0.6%
PCB-200 22'33'4566'-OcCB	39.07	4.09E+05	0.98 Y	0.96	0.81	-15.6%
PCB-198/199 22'33'455'6'-/22'	41.39	6.71E+05	0.90 Y	0.72	0.67	-7.0%
PCB-196 22'33'44'56'-OcCB	41.96	3.50E+05	0.92 Y	0.73	0.69	-5.0%
PCB-203 22'344'55'6'-OcCB	42.13	3.62E+05	0.90 Y	0.76	0.72	-6.1%
PCB-195 22'33'44'56'-OcCB	43.23	3.54E+05	0.94 Y	0.80	0.73	-9.0%
PCB-194 22'33'44'55'-OcCB	45.18	4.10E+05	0.94 Y	0.87	0.84	-3.6%
PCB-205 233'44'55'6'-OcCB	45.58	4.98E+05	0.88 Y	1.09	1.02	-6.0%
PCB-208 22'33'455'66'-NoCB	43.04	4.58E+05	0.80 Y	1.02	0.96	-6.0%
PCB-207 22'33'44'566'-NoCB	43.82	4.79E+05	0.79 Y	1.06	1.00	-5.3%
PCB-206 22'33'44'55'6'-NoCB	47.03	3.13E+05	0.74 Y	0.98	0.90	-8.3%

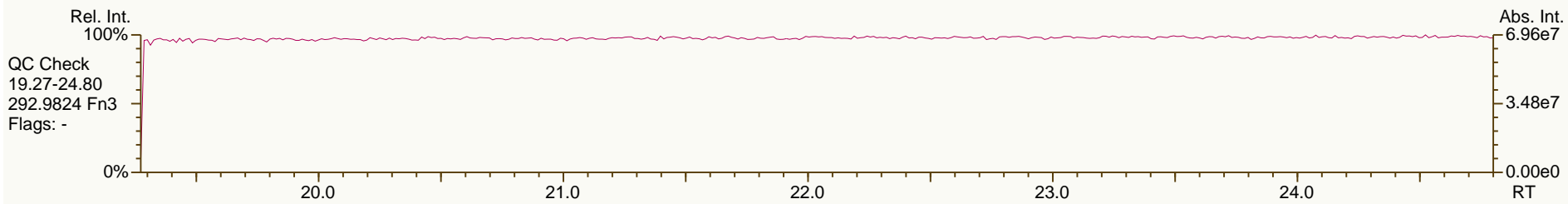
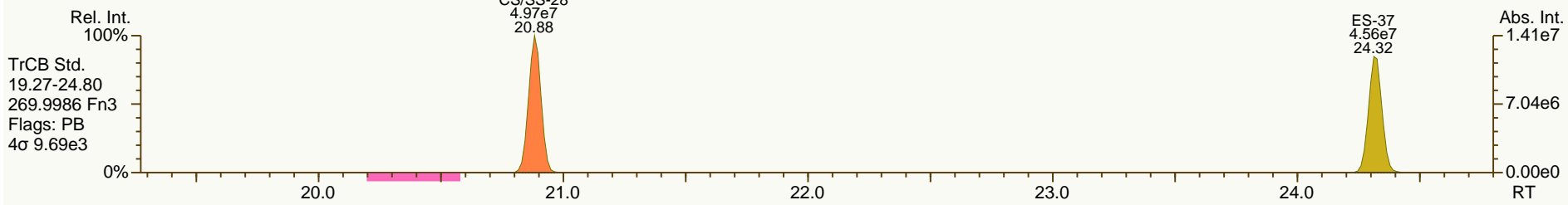
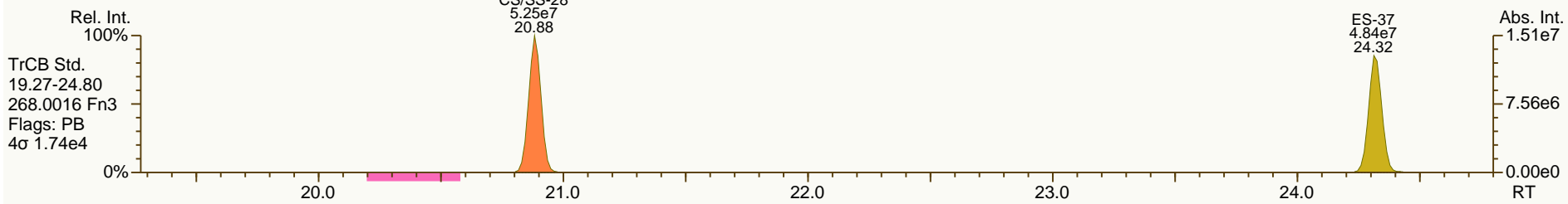
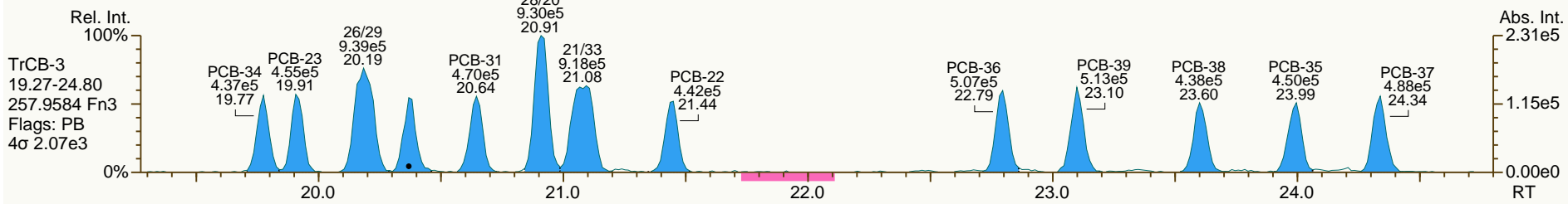
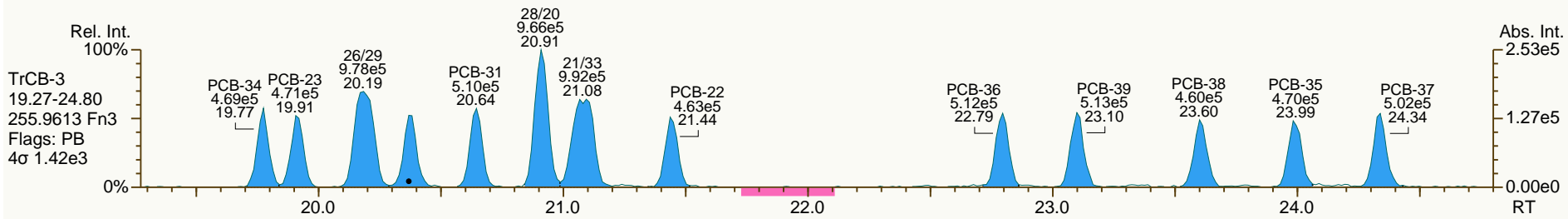


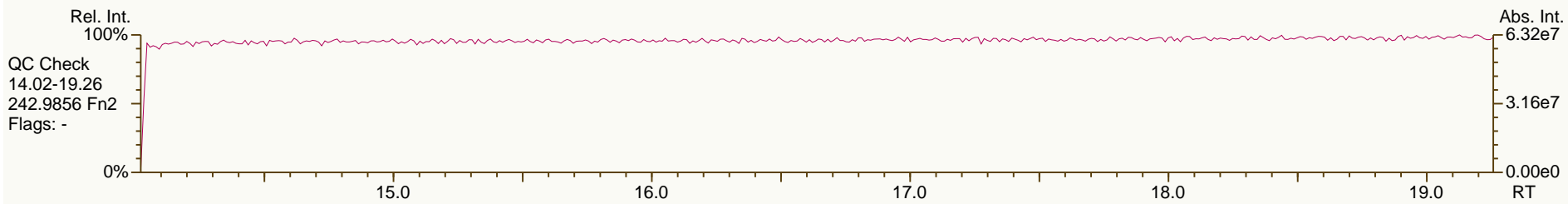
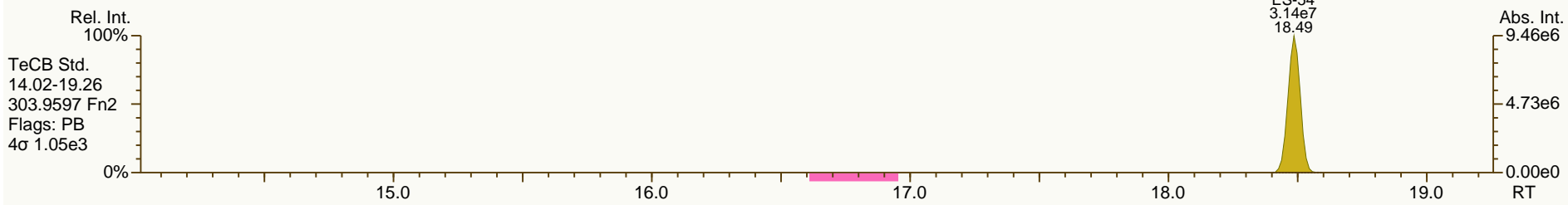
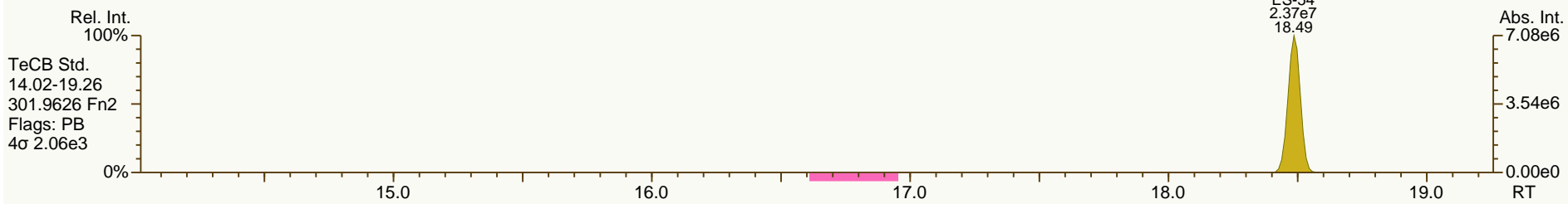
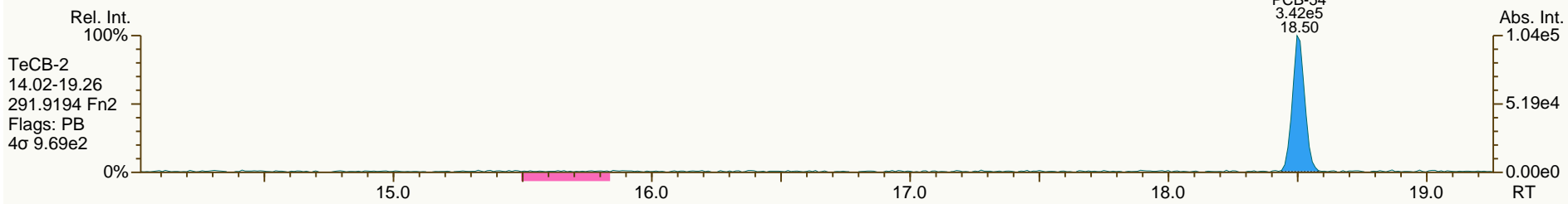
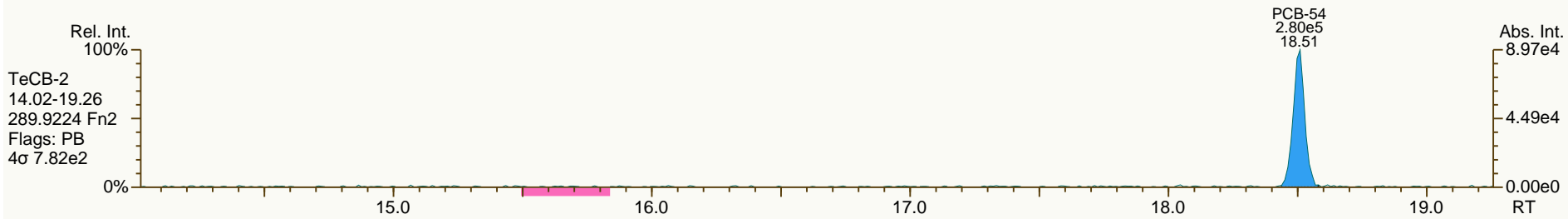


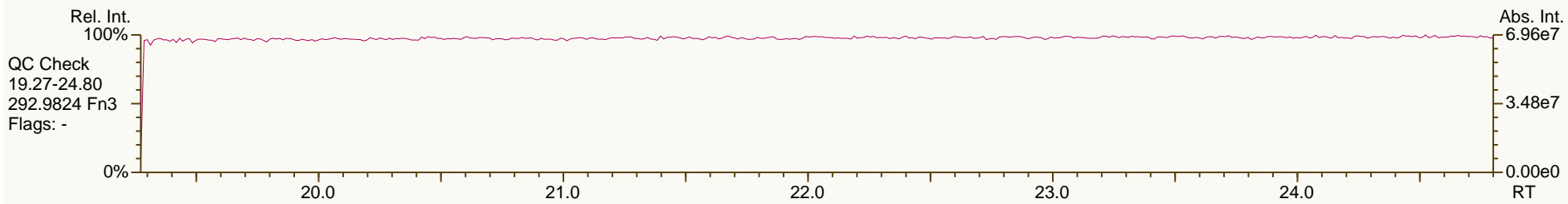
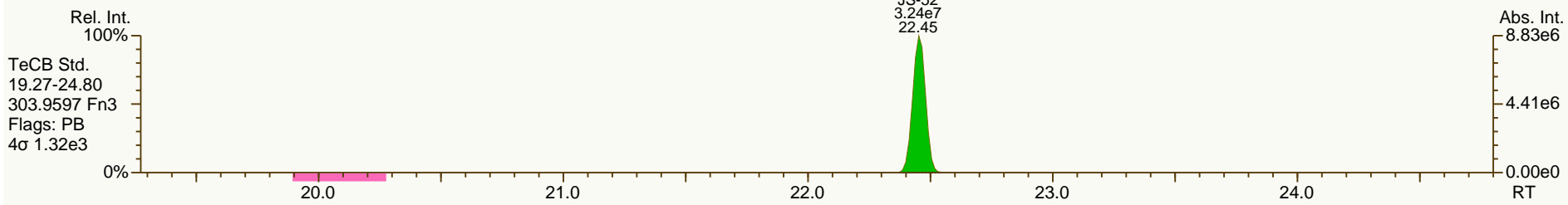
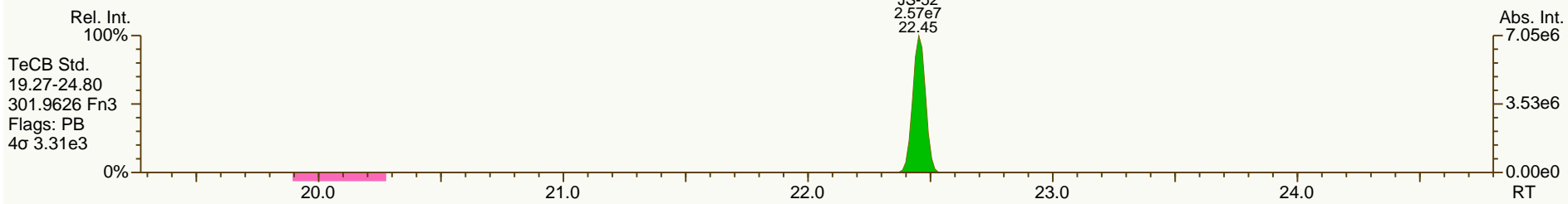
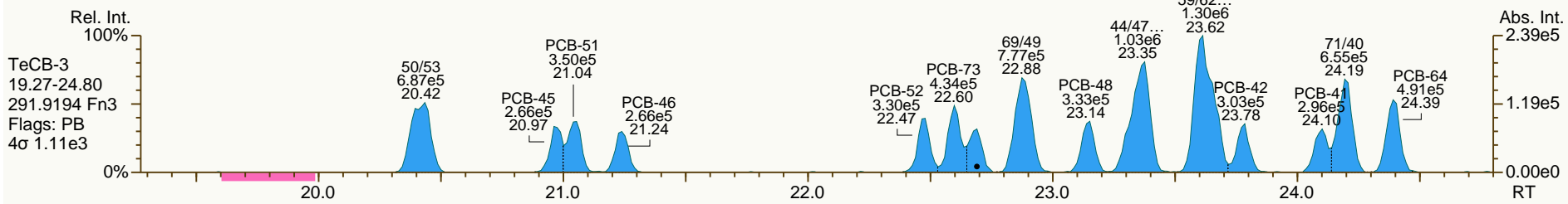
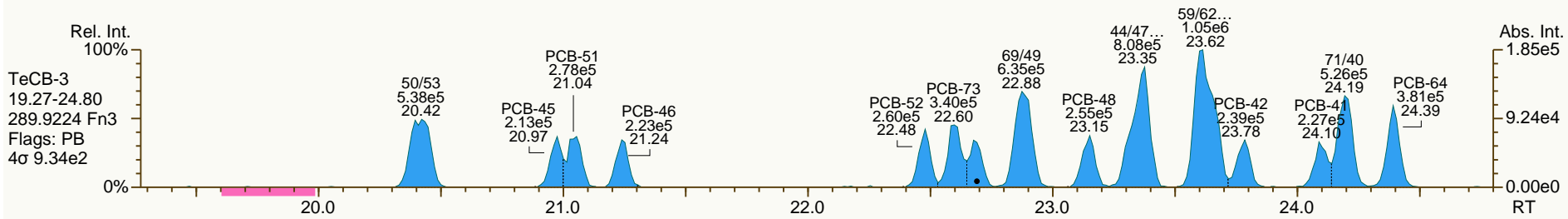


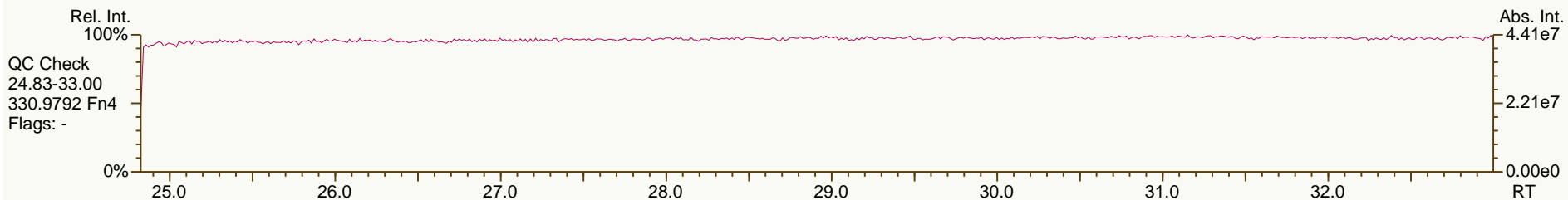
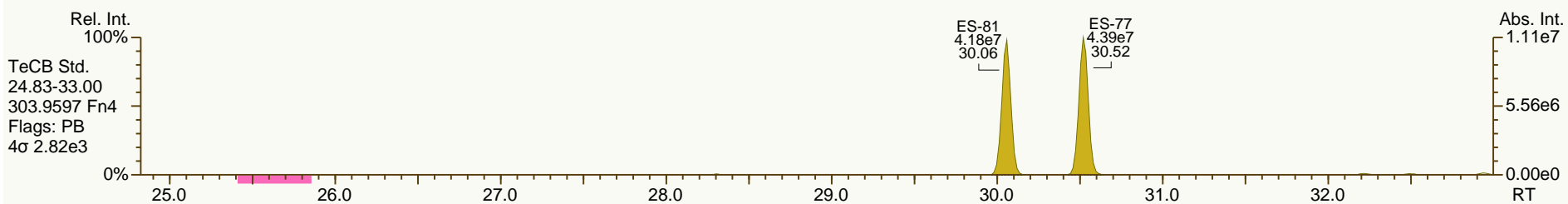
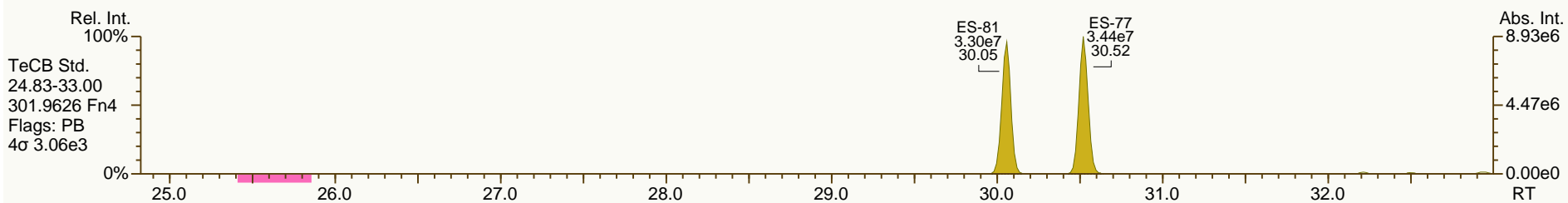
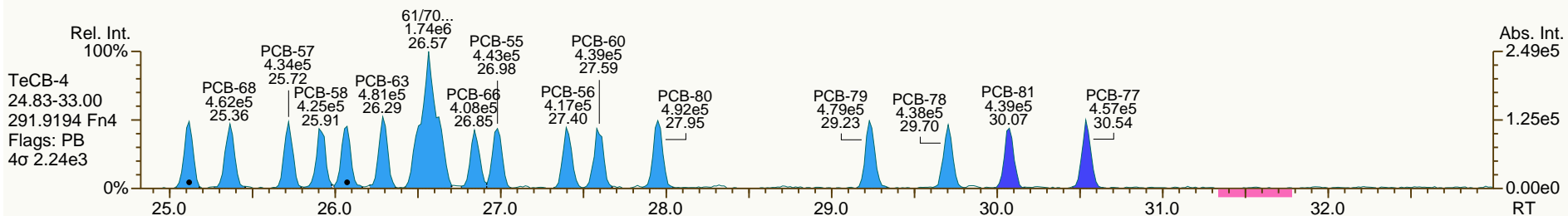
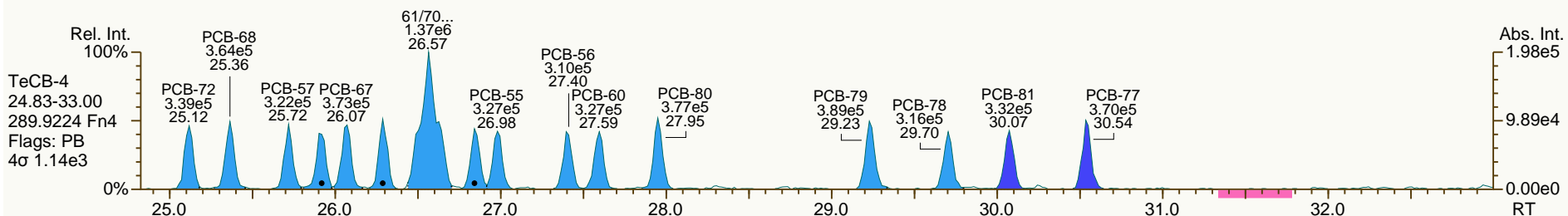


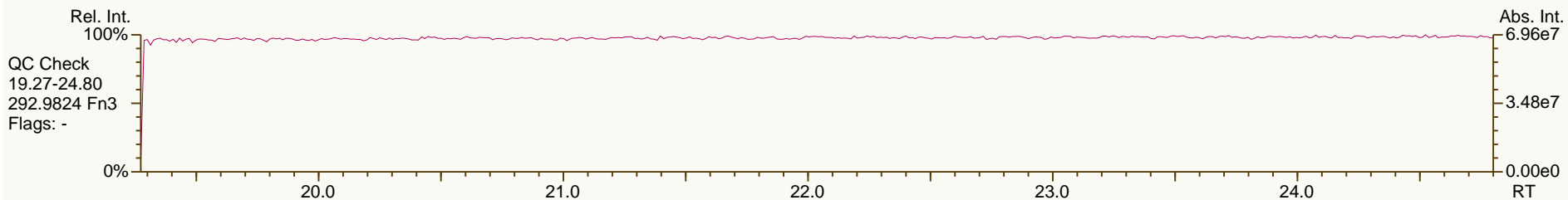
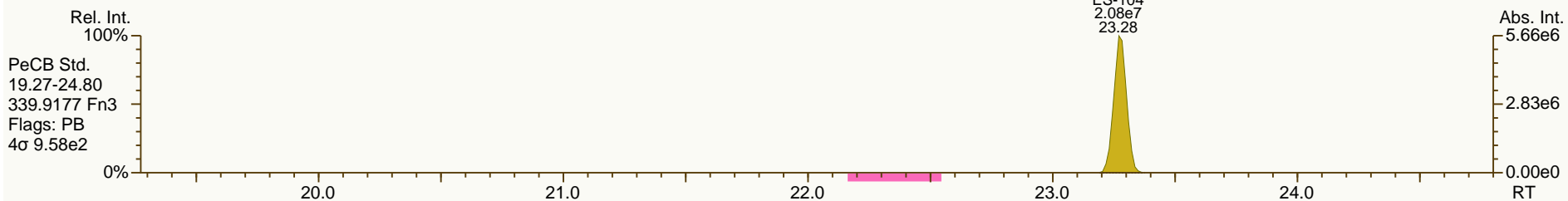
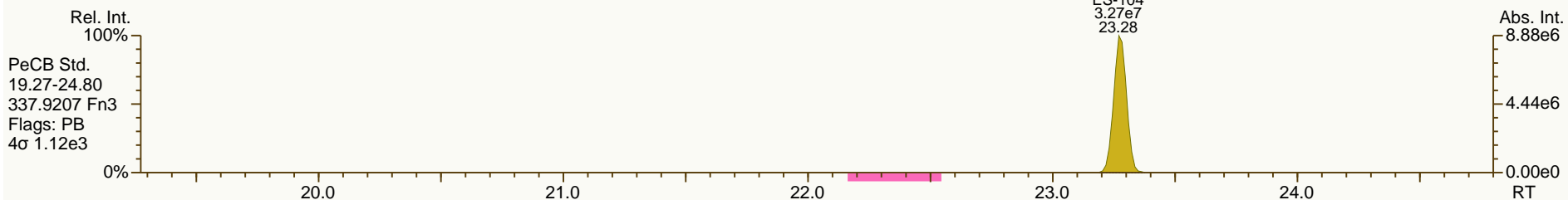
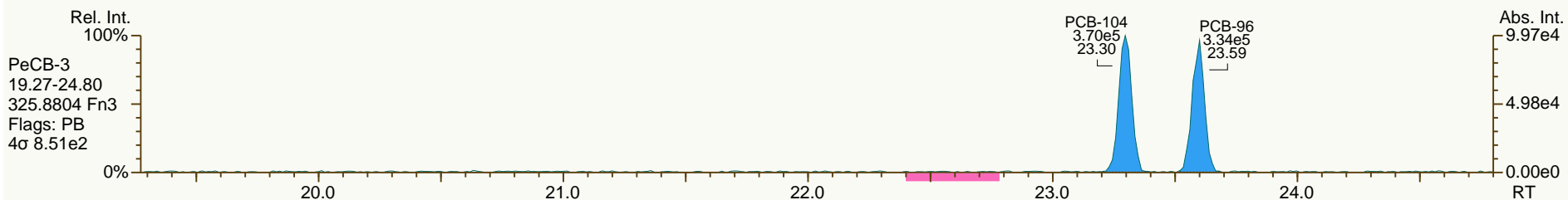
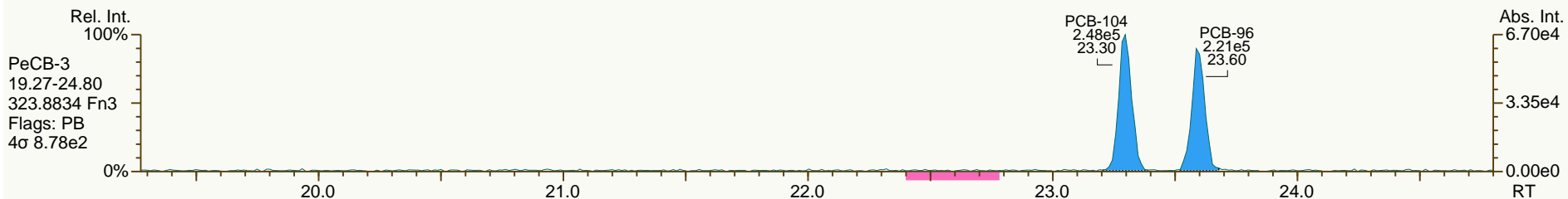


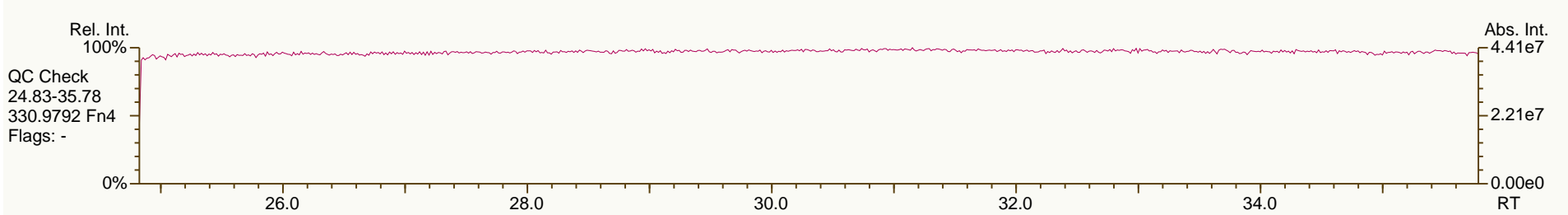
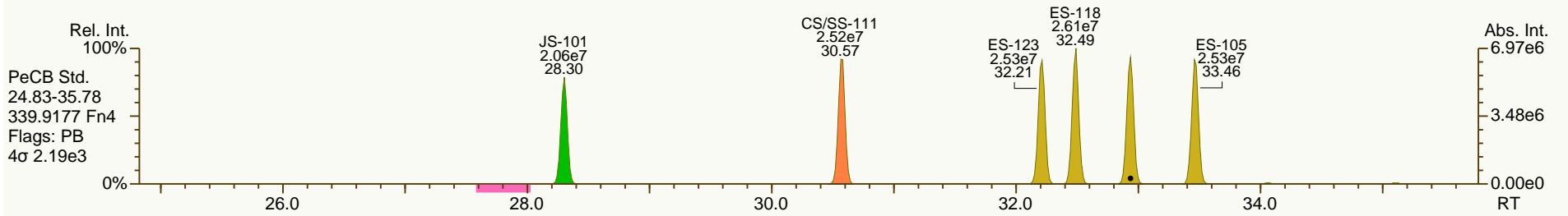
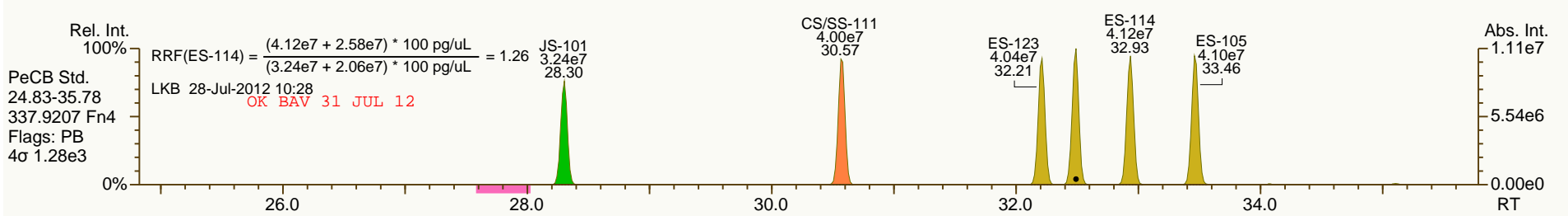
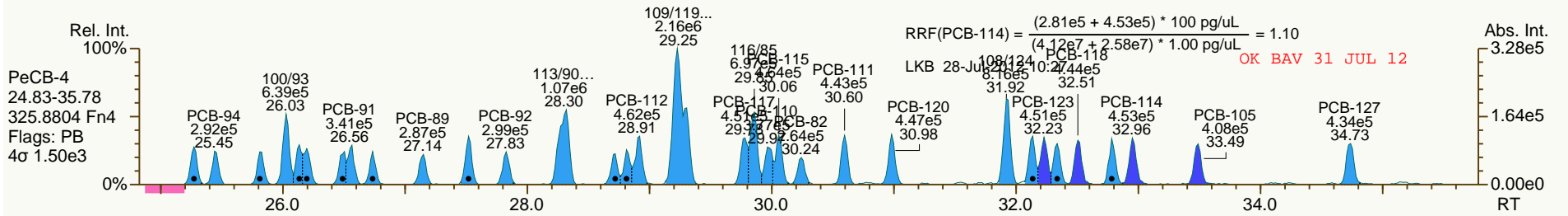
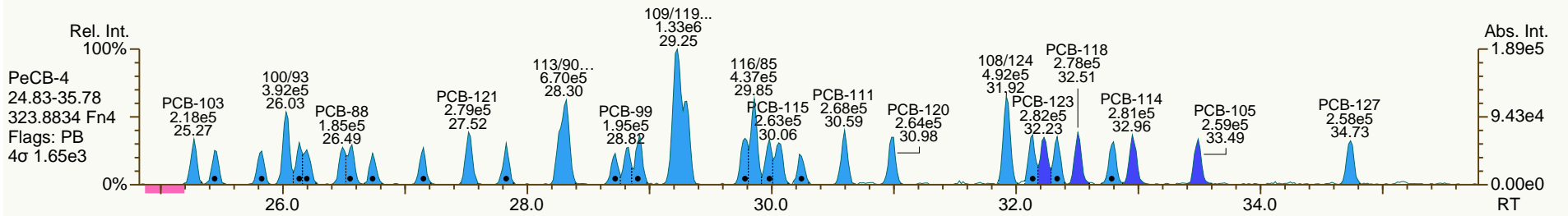


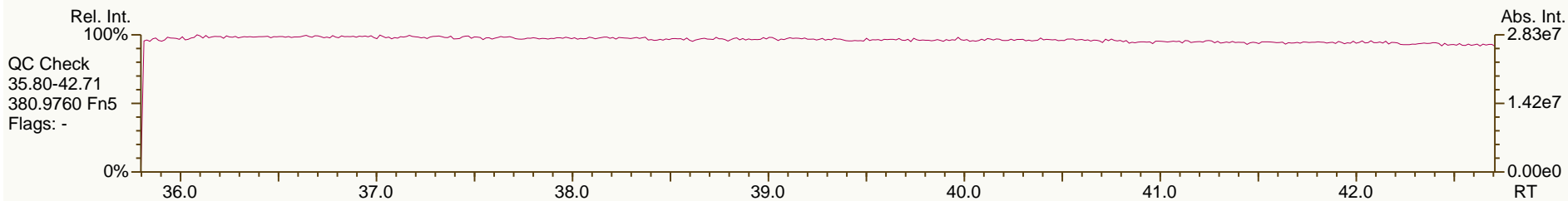
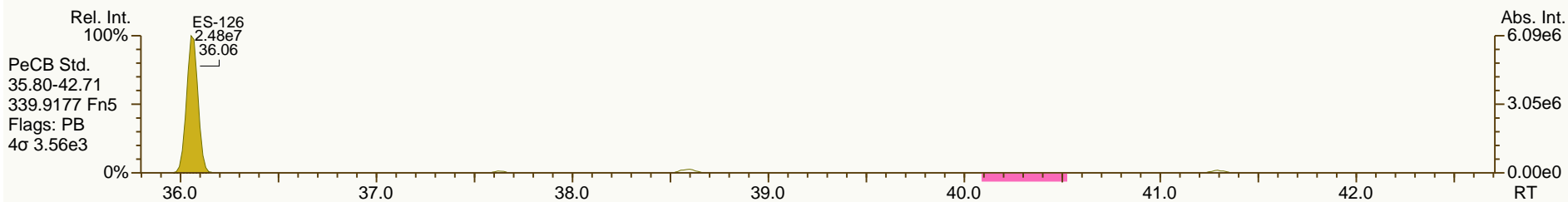
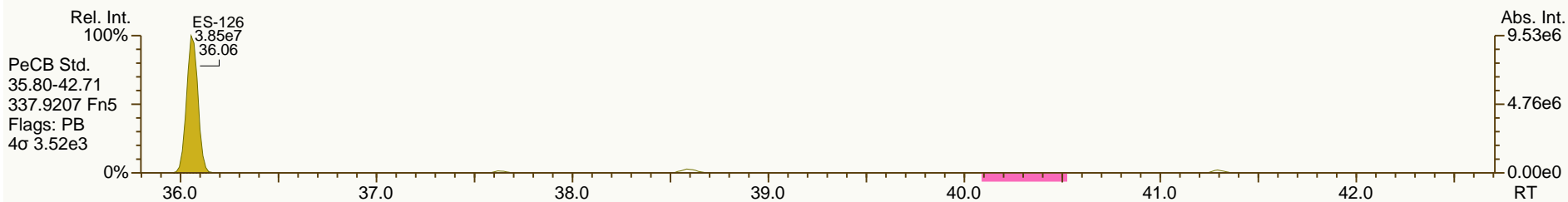
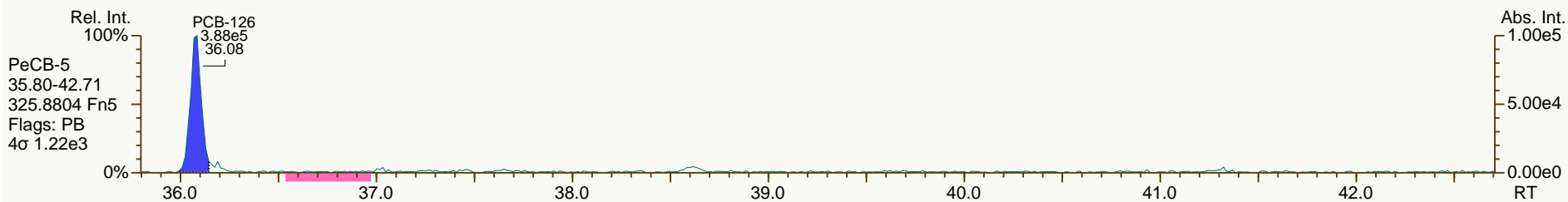
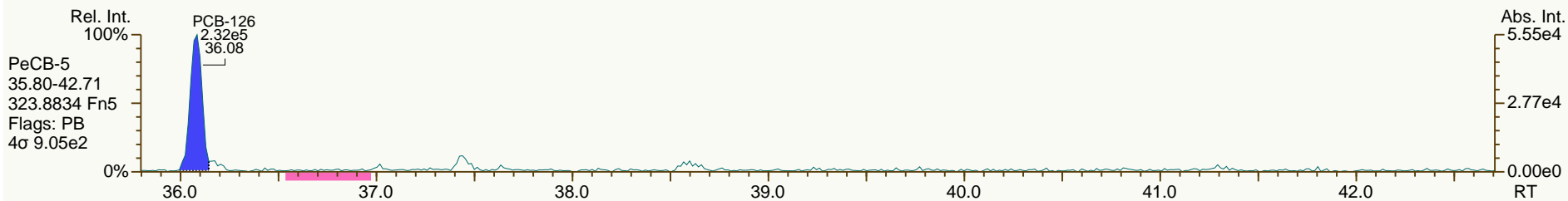


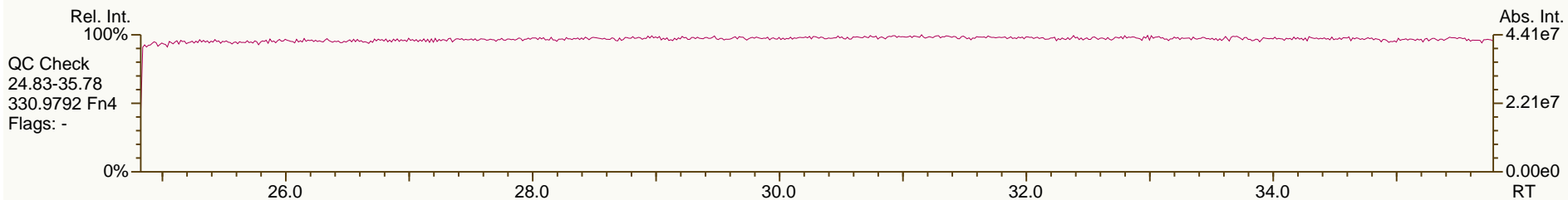
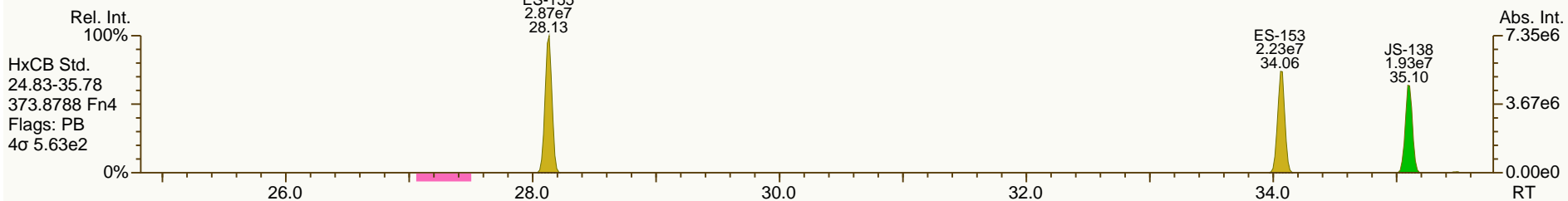
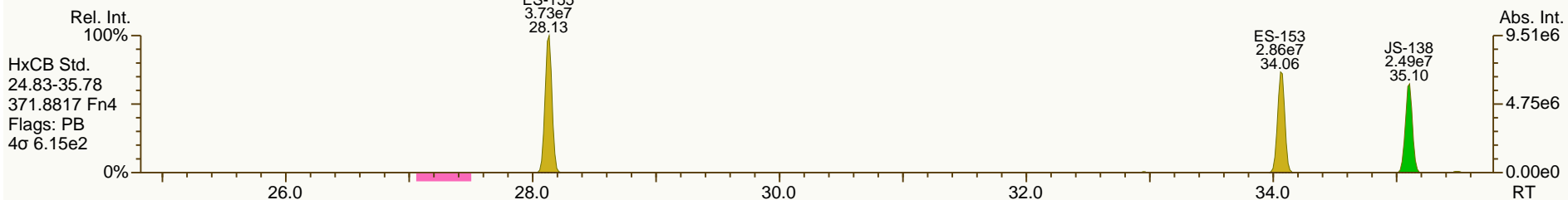
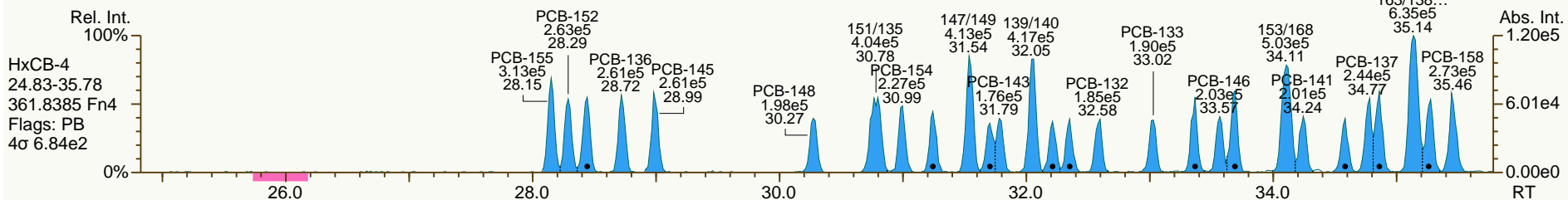
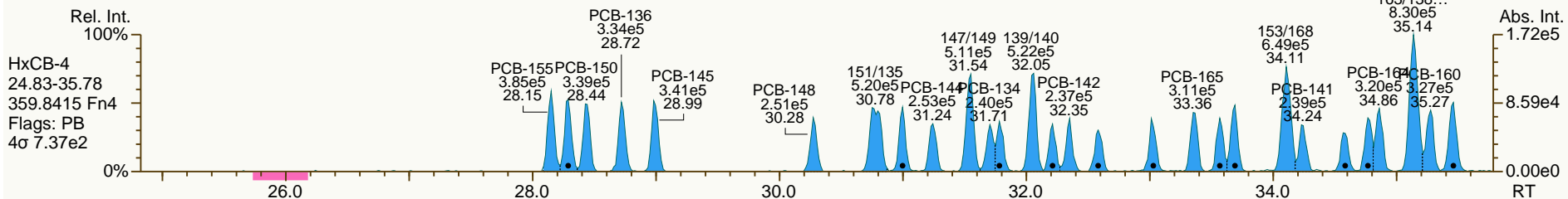


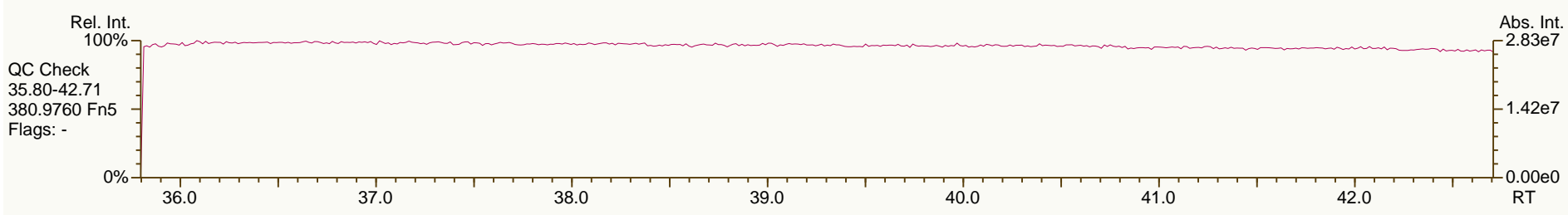
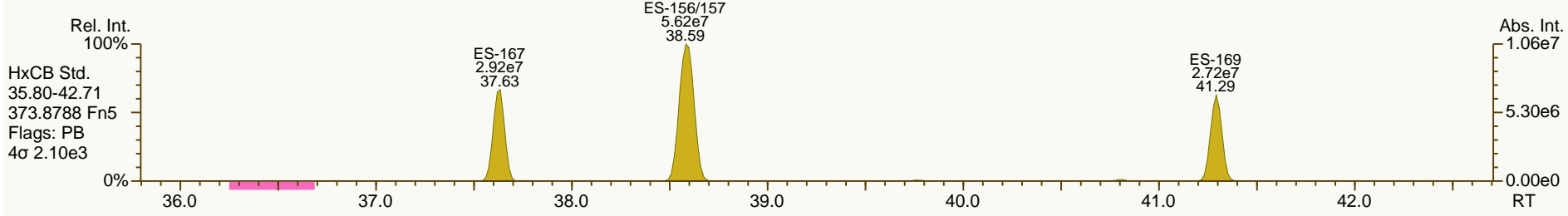
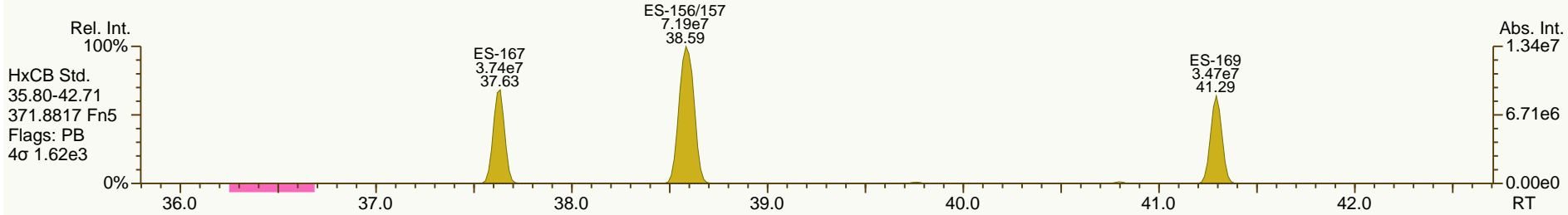
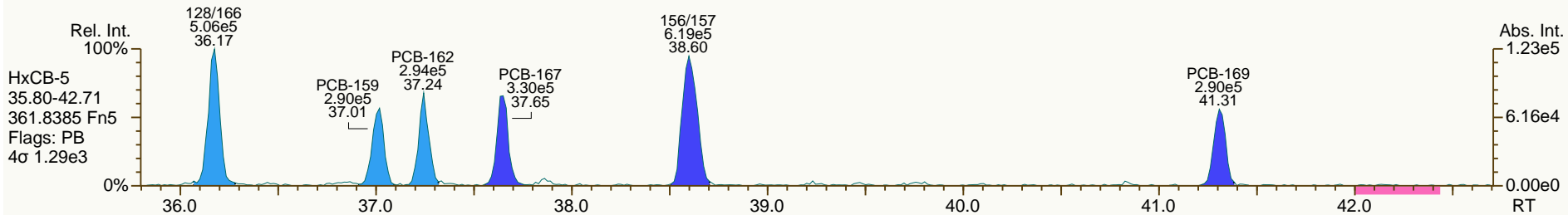
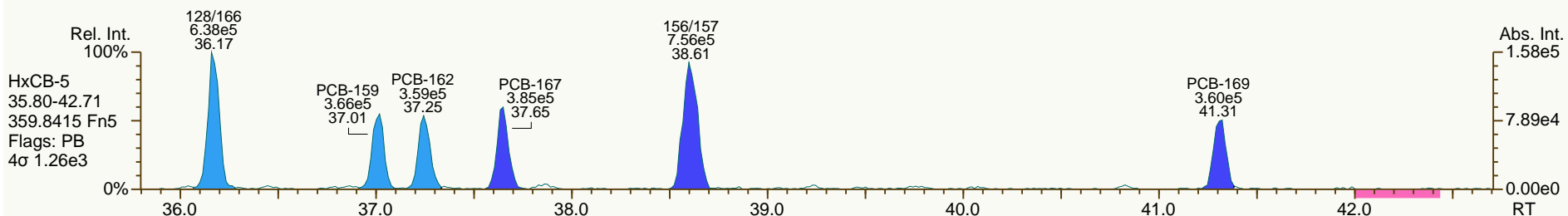


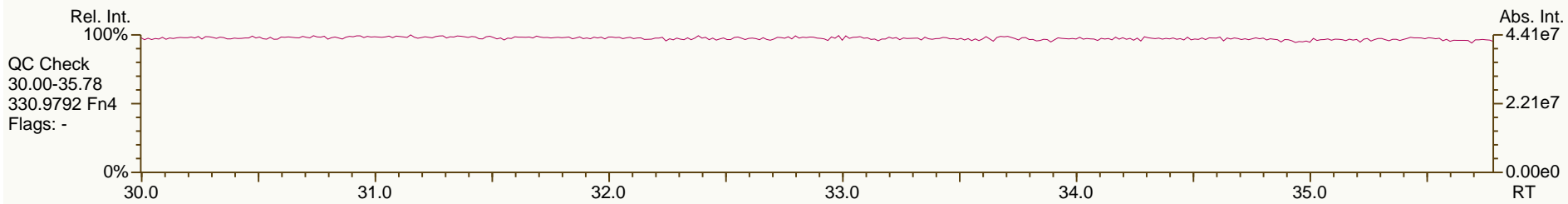
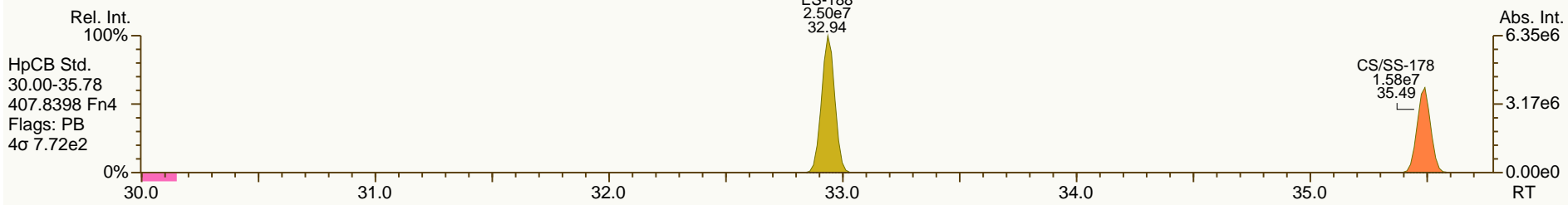
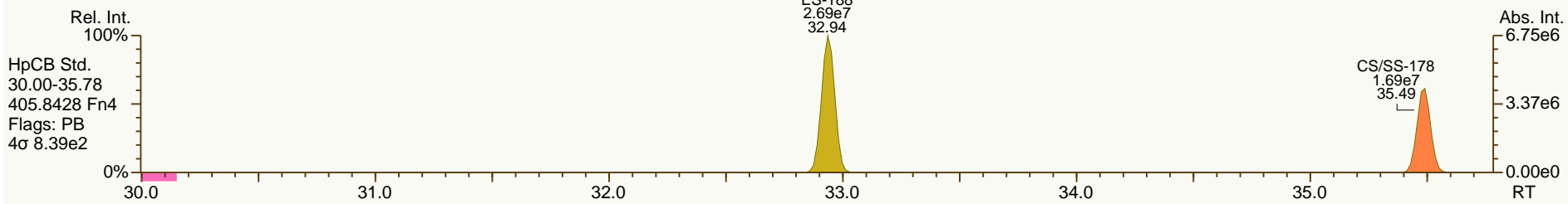
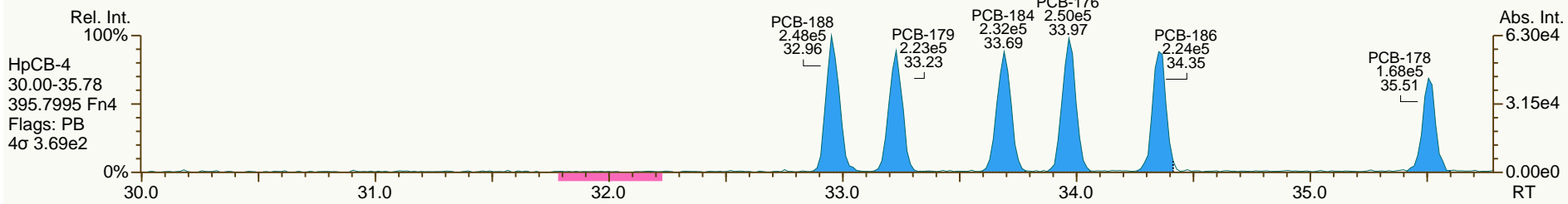
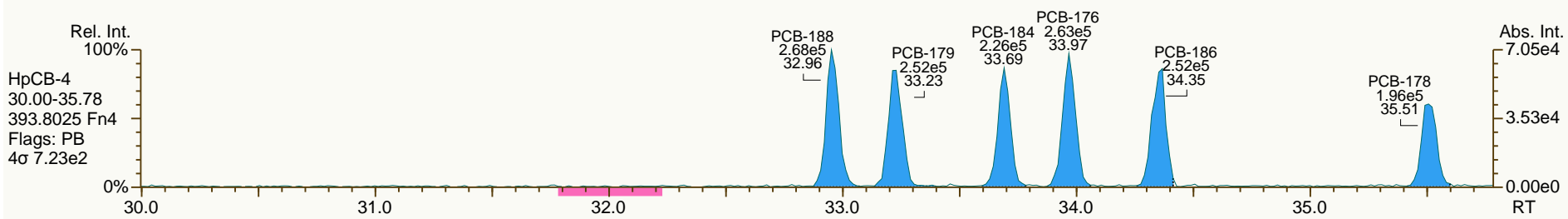


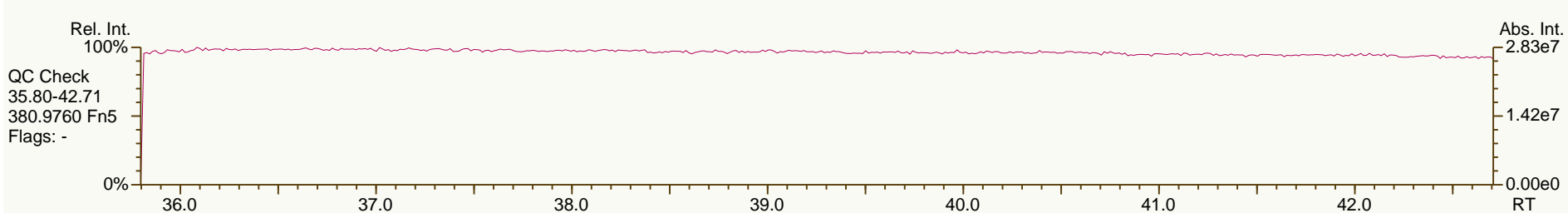
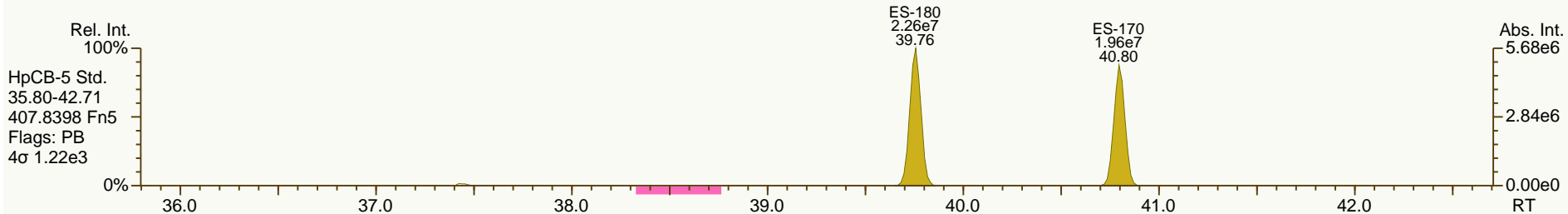
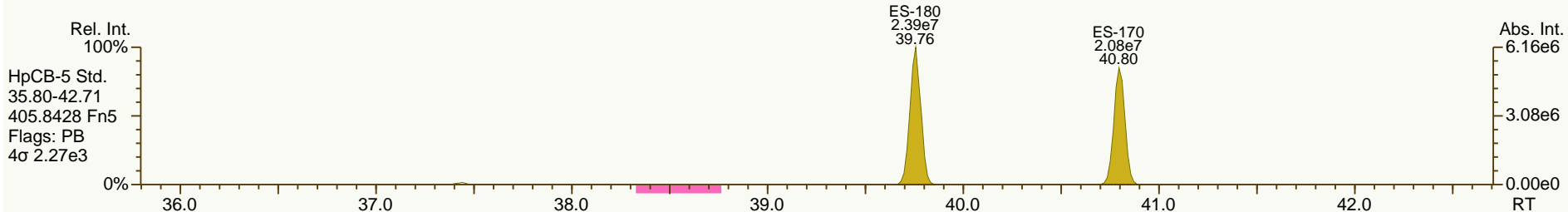
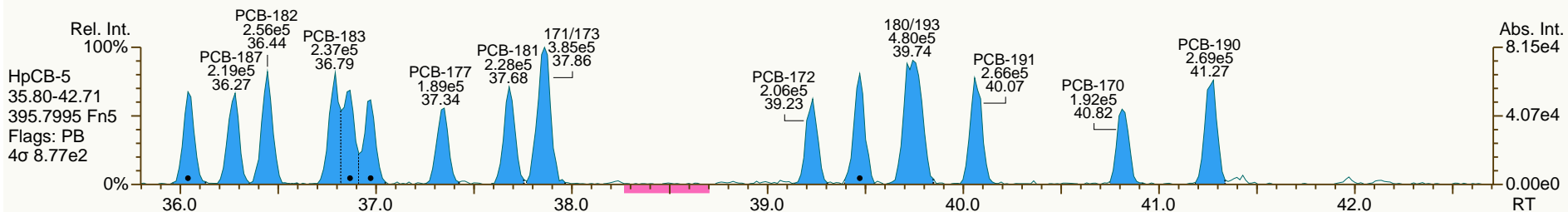
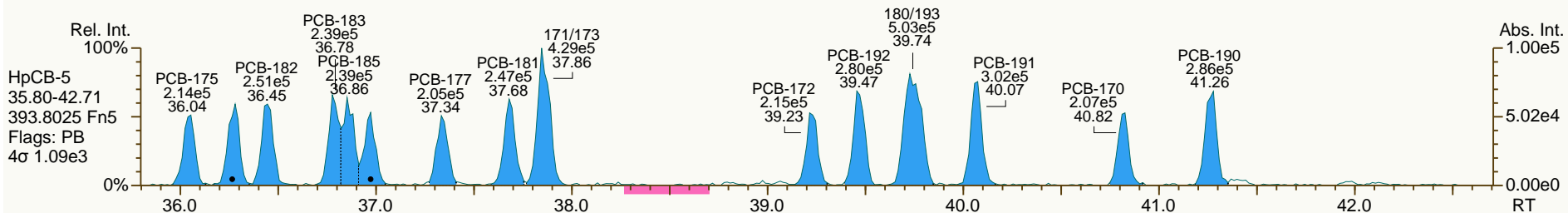


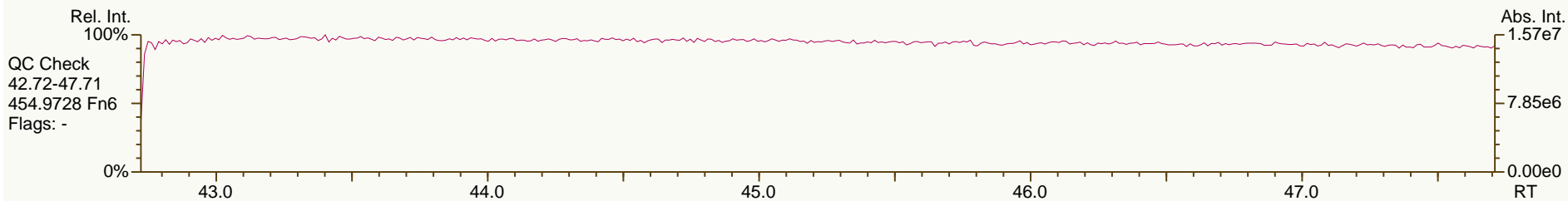
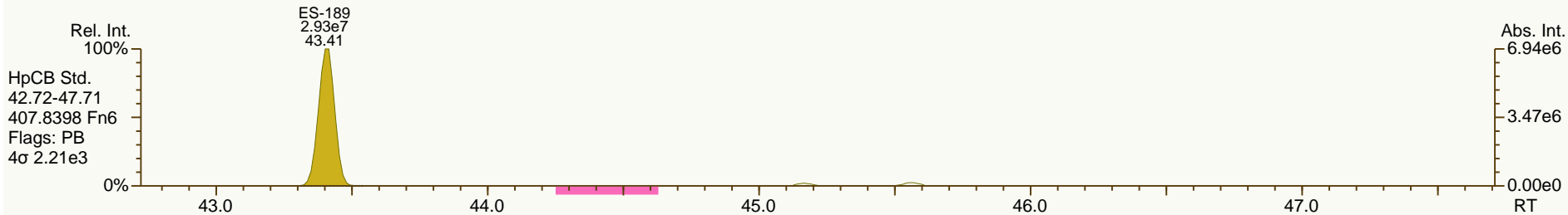
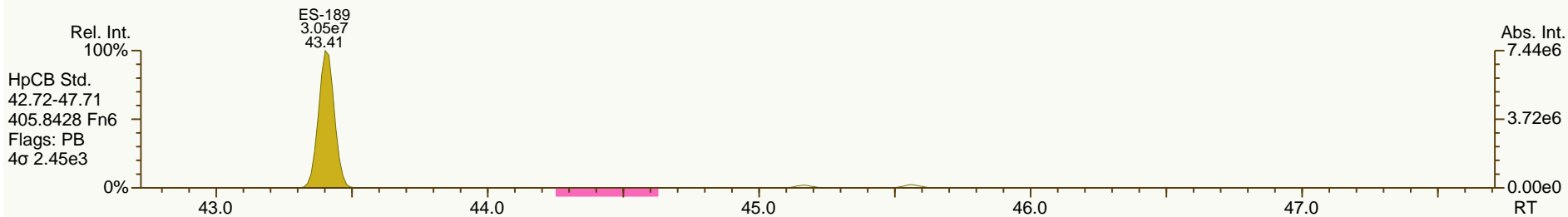
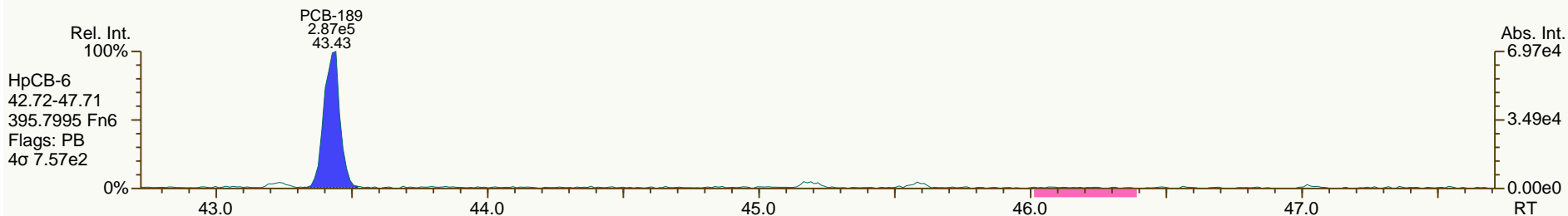
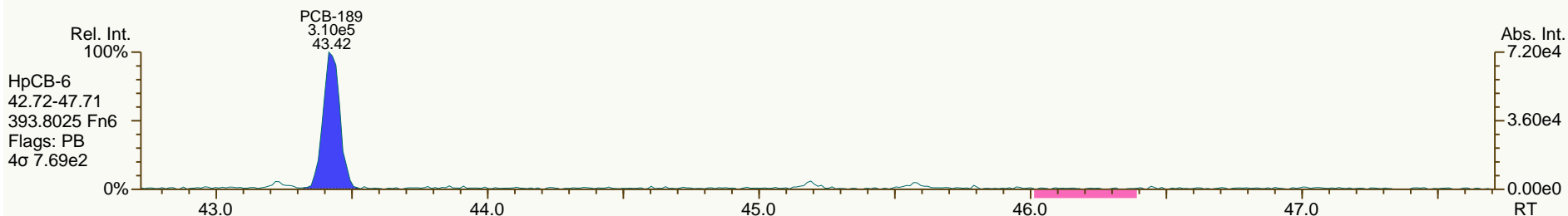


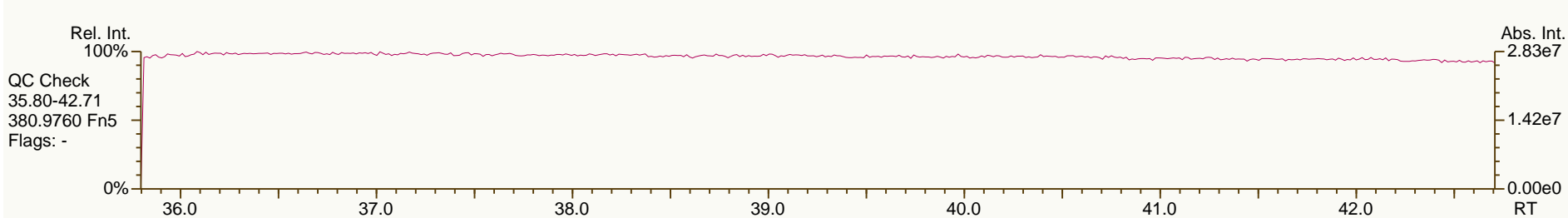
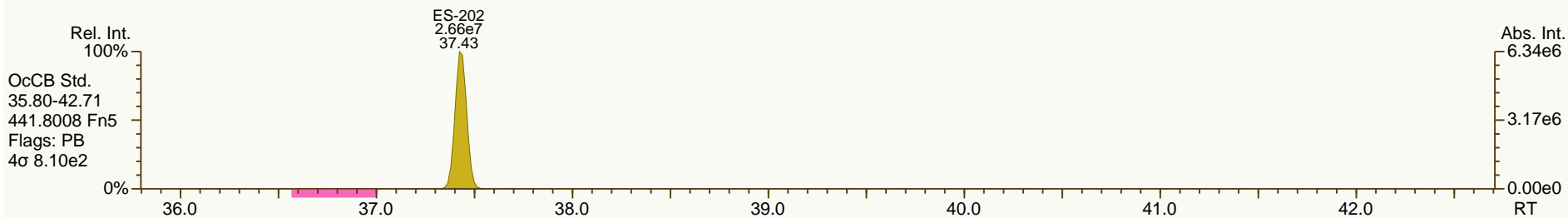
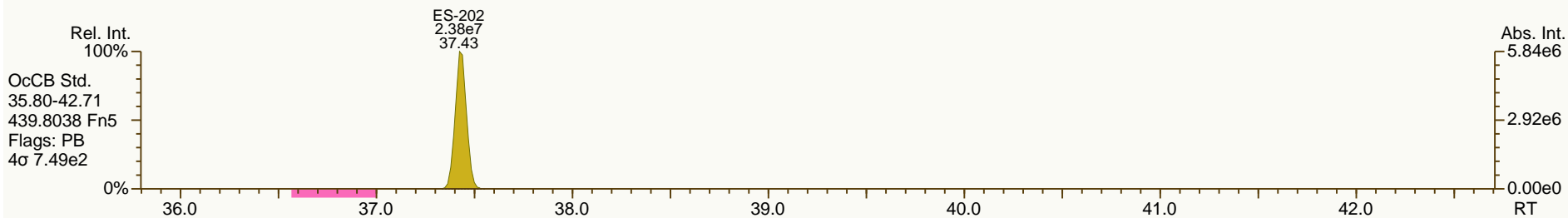
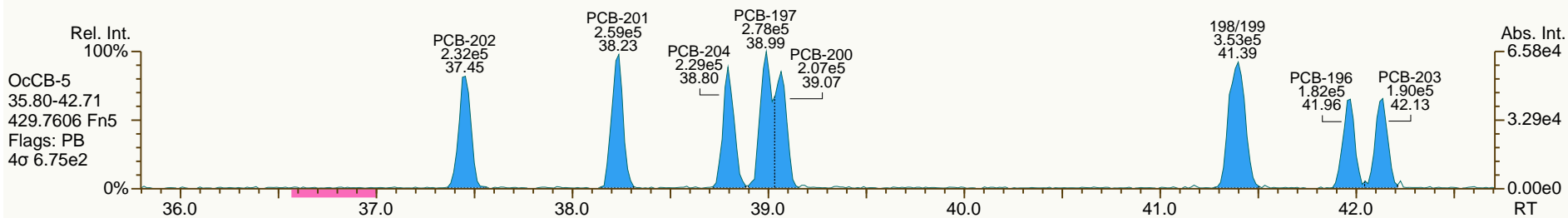
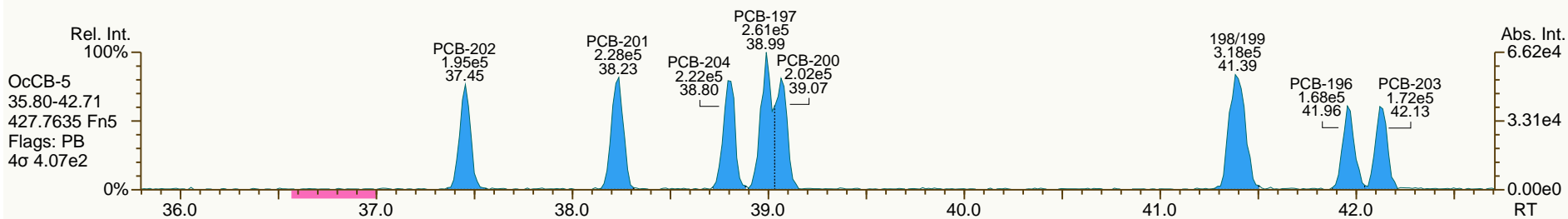


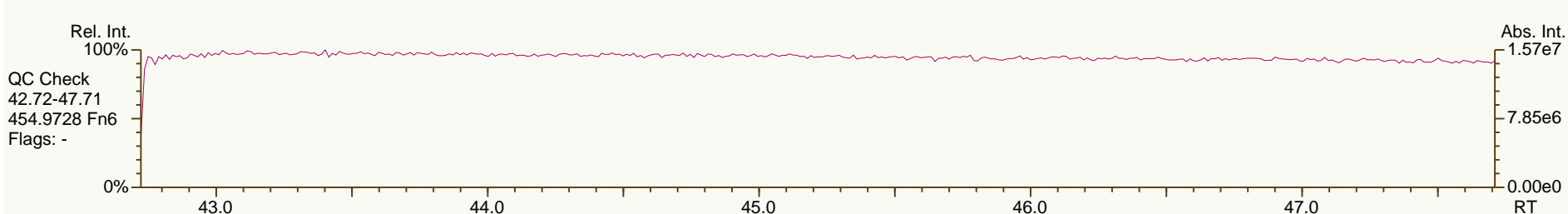
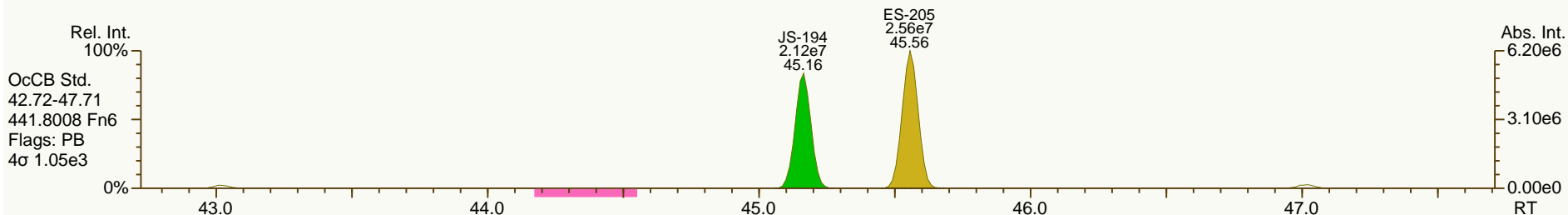
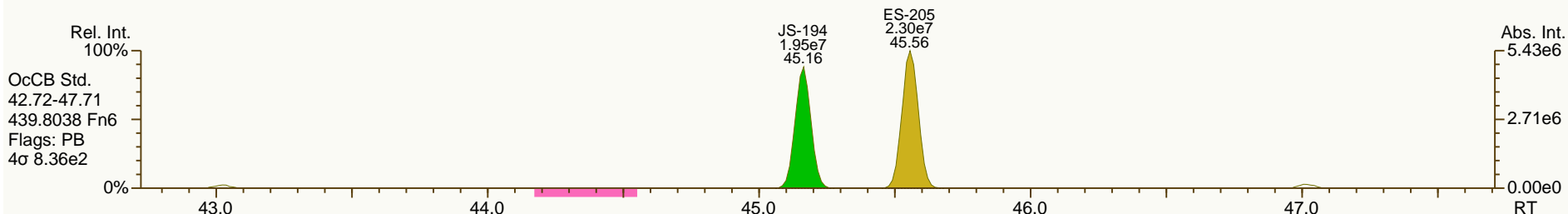
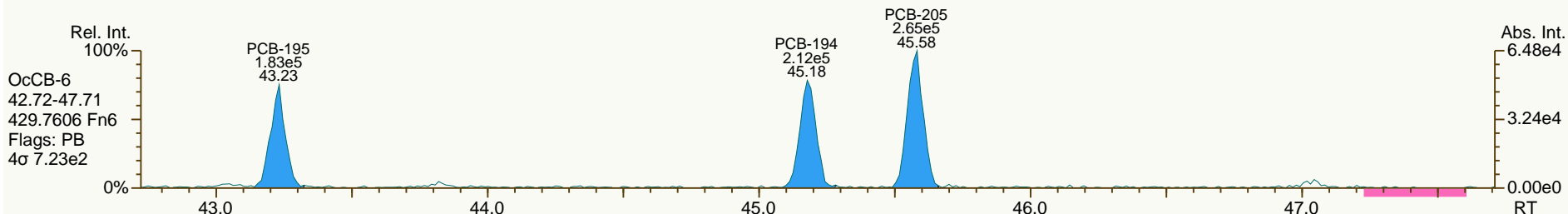
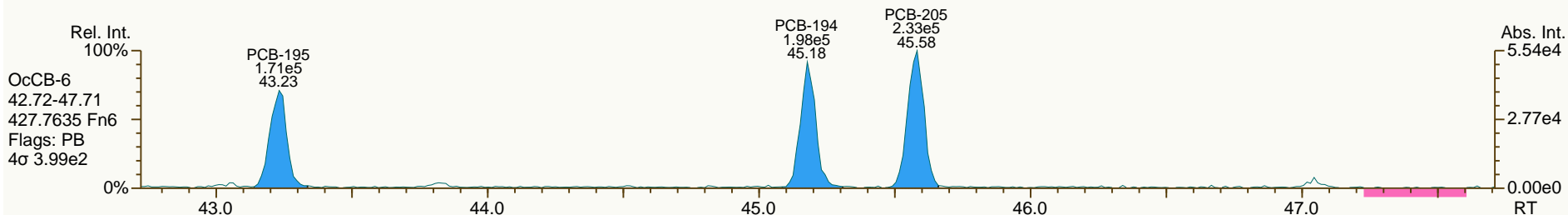


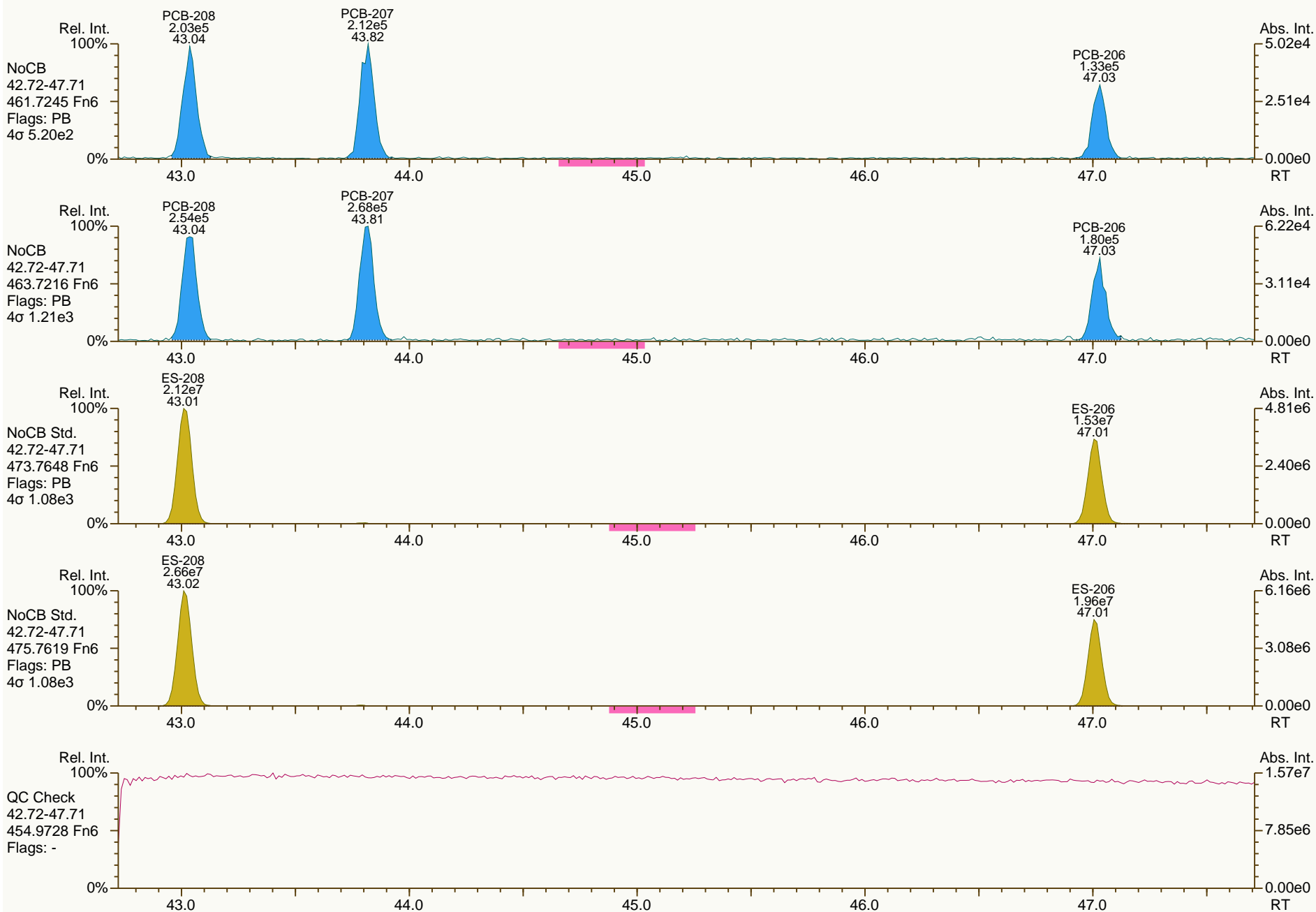


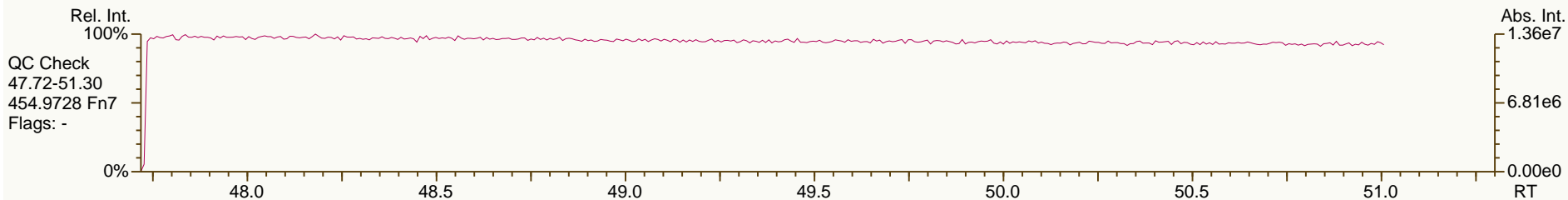
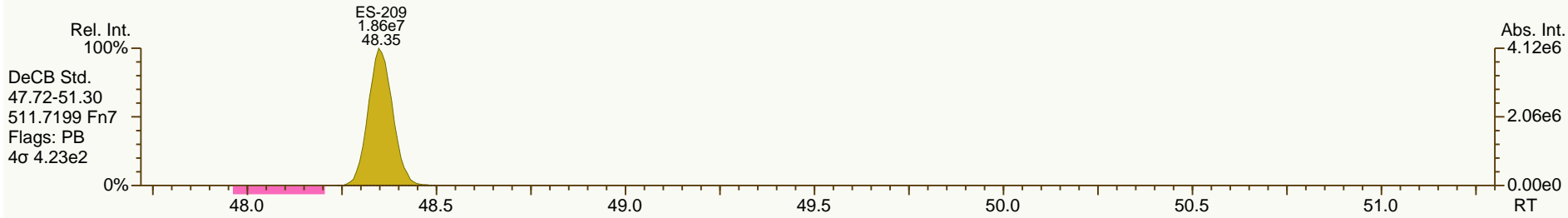
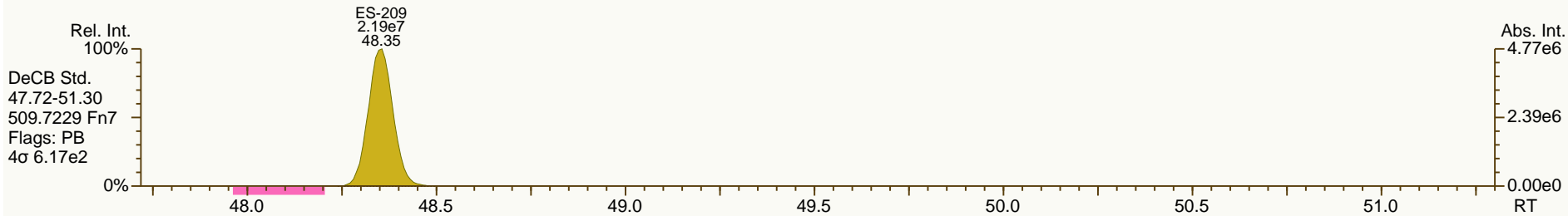
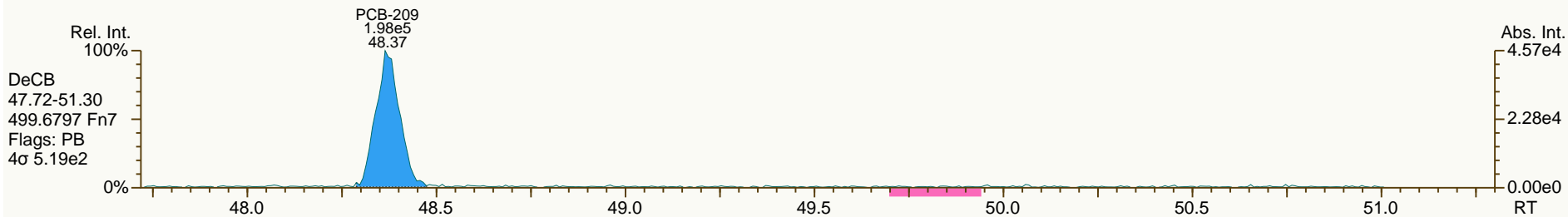
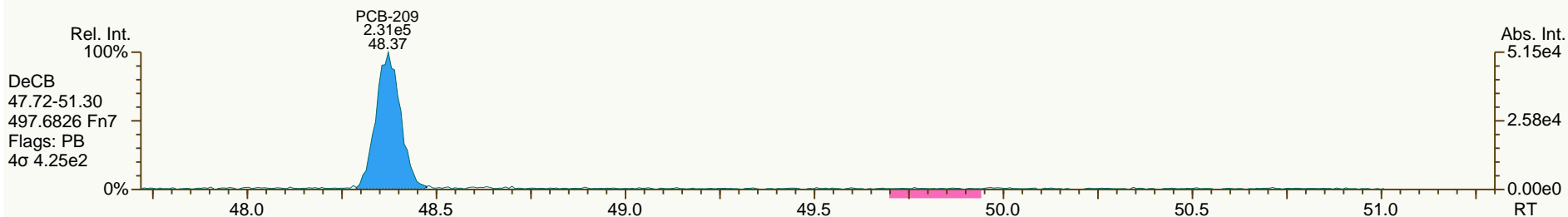












PCB QC Summary

SGS Analytical Perspectives

Printed: 28-Jul-2012 10:13

Lab ID: CS2_120725_PCB_XB
 Acquired: 26-JUL-2012 04:44
 Datafile: 120725X17

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	30.55	4.14E+06	0.79 Y	1.13	1.09	-4.2%
PCB-81 344'5'-TeCB	30.08	3.94E+06	0.78 Y	1.13	1.09	-3.5%
PCB-105 233'44'-PeCB	33.50	3.47E+06	0.61 Y	1.09	1.06	-3.1%
PCB-114 2344'5'-PeCB	32.97	3.76E+06	0.61 Y	1.16	1.13	-2.5%
PCB-118 23'44'5'-PeCB	32.52	3.50E+06	0.62 Y	1.11	1.03	-6.6%
PCB-123 2'344'5'-PeCB	32.24	3.79E+06	0.61 Y	1.19	1.19	-0.1%
PCB-126 33'44'5'-PeCB	36.09	3.28E+06	0.64 Y	1.06	1.04	-2.3%
PCB-156/157 233'44'5'/233'44'5'	38.61	6.77E+06	1.26 Y	1.11	1.07	-3.0%
PCB-167 23'44'55'-HxCB	37.66	3.61E+06	1.27 Y	1.14	1.11	-2.0%
PCB-169 33'44'55'-HxCB	41.32	3.32E+06	1.26 Y	1.11	1.10	-1.0%
PCB-189 233'44'55'-HpCB	43.44	2.96E+06	1.10 Y	1.06	1.02	-3.5%
PCB-209 DeCB	48.38	2.04E+06	1.17 Y	1.07	1.03	-4.2%
ES PCB-1	10.65	1.12E+08	3.14 Y	1.08	1.07	-0.6%
ES PCB-3	12.71	1.12E+08	3.20 Y	1.08	1.07	-1.1%
ES PCB-4	12.93	5.11E+07	1.58 Y	0.49	0.49	0.5%
ES PCB-15	18.25	1.14E+08	1.58 Y	1.11	1.10	-1.3%
ES PCB-19	15.76	5.84E+07	1.07 Y	0.55	0.56	1.2%
ES PCB-37	24.33	9.15E+07	1.06 Y	1.64	1.62	-0.9%
ES PCB-54	18.50	5.45E+07	0.77 Y	0.94	0.97	2.7%
ES PCB-77	30.53	7.63E+07	0.79 Y	1.35	1.35	0.4%
ES PCB-81	30.06	7.24E+07	0.79 Y	1.29	1.28	-0.3%
ES PCB-104	23.29	5.25E+07	1.56 Y	0.99	1.00	0.5%
ES PCB-105	33.47	6.54E+07	1.59 Y	1.23	1.24	0.8%
ES PCB-114	32.94	6.65E+07	1.60 Y	1.25	1.26	1.3%
ES PCB-118	32.49	6.77E+07	1.61 Y	1.28	1.29	0.4%
ES PCB-123	32.22	6.38E+07	1.58 Y	1.22	1.21	-0.4%
ES PCB-126	36.07	6.33E+07	1.61 Y	1.20	1.20	0.3%
ES PCB-153	34.07	5.02E+07	1.26 Y	1.14	1.15	0.5%
ES PCB-155	28.14	6.54E+07	1.29 Y	1.50	1.50	0.0%
ES PCB-156/157	38.60	1.26E+08	1.28 Y	1.45	1.44	-0.9%
ES PCB-167	37.64	6.48E+07	1.26 Y	1.49	1.48	-0.8%
ES PCB-169	41.30	6.05E+07	1.26 Y	1.40	1.38	-1.6%
ES PCB-170	40.81	3.95E+07	1.05 Y	1.00	0.99	-0.8%
ES PCB-180	39.76	4.54E+07	1.06 Y	1.16	1.14	-1.3%
ES PCB-188	32.95	5.11E+07	1.07 Y	1.18	1.17	-0.8%
ES PCB-189	43.42	5.81E+07	1.02 Y	1.49	1.46	-1.7%
ES PCB-202	37.44	4.95E+07	0.90 Y	1.14	1.13	-0.4%
ES PCB-205	45.57	4.72E+07	0.90 Y	1.20	1.19	-1.0%
ES PCB-206	47.02	3.42E+07	0.79 Y	0.87	0.86	-0.9%
ES PCB-208	43.02	4.70E+07	0.80 Y	1.19	1.18	-0.6%
ES PCB-209	48.36	3.96E+07	1.19 Y	1.00	1.00	-0.5%

PCB QC Summary

SGS Analytical Perspectives

Printed: 28-Jul-2012 10:13

Lab ID: CS2_120725_PCB_XB
 Acquired: 26-JUL-2012 04:44
 Datafile: 120725X17

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	20.89	9.87E+07	1.05 Y	1.07	1.08	0.4%
SS PCB-111	30.58	6.46E+07	1.61 Y	1.01	1.01	0.6%
SS PCB-178	35.50	3.27E+07	1.07 Y	0.63	0.64	1.9%
CS PCB-28	20.89	9.87E+07	1.05 Y	1.76	1.75	-0.5%
CS PCB-111	30.58	6.46E+07	1.61 Y	1.23	1.23	0.2%
CS PCB-178	35.50	3.27E+07	1.07 Y	0.74	0.75	1.1%
JS PCB-9	14.75	1.04E+08	1.58 Y	-	-	-
JS PCB-52	22.46	5.64E+07	0.80 Y	-	-	-
JS PCB-101	28.31	5.26E+07	1.57 Y	-	-	-
JS PCB-138	35.11	4.37E+07	1.27 Y	-	-	-
JS PCB-194	45.17	3.97E+07	0.91 Y	-	-	-
PCB-1 2-MoCB	10.66	5.68E+06	3.23 Y	1.03	1.01	-1.7%
PCB-3 4-MoCB	12.72	5.62E+06	3.25 Y	1.04	1.01	-3.4%
PCB-4 22'-DiCB	12.94	2.89E+06	1.56 Y	1.17	1.13	-3.3%
PCB-15 44'-DiCB	18.26	5.95E+06	1.63 Y	1.08	1.04	-3.7%
PCB-19 22'6'-TrCB	15.78	3.04E+06	1.06 Y	1.09	1.04	-4.9%
PCB-37 344'-TrCB	24.35	4.85E+06	1.05 Y	1.10	1.06	-4.1%
PCB-54 22'66'-TeCB	18.52	3.18E+06	0.78 Y	1.21	1.17	-3.4%
PCB-104 22'466'-PeCB	23.31	3.23E+06	0.63 Y	1.25	1.23	-1.9%
PCB-153 22'44'55'-HxCB	34.12	5.75E+06	1.25 Y	1.22	1.15	-6.0%
PCB-155 22'44'66'-HxCB	28.16	3.41E+06	1.29 Y	1.09	1.04	-4.4%
PCB-170 22'33'44'5'-HpCB	40.83	2.06E+06	1.09 Y	1.07	1.04	-2.8%
PCB-180 22'344'55'-HpCB	39.75	5.17E+06	1.04 Y	1.16	1.14	-1.6%
PCB-188 22'34'566'-HpCB	32.97	2.62E+06	1.10 Y	1.03	1.02	-0.9%
PCB-202 22'33'55'66'-OcCB	37.46	2.20E+06	0.92 Y	0.91	0.89	-2.7%
PCB-205 233'44'55'6'-OcCB	45.59	2.46E+06	0.91 Y	1.09	1.04	-4.2%
PCB-208 22'33'455'66'-NoCB	43.05	2.30E+06	0.75 Y	1.02	0.98	-3.8%
PCB-206 22'33'44'55'6'-NoCB	47.04	1.63E+06	0.75 Y	0.98	0.95	-2.8%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

Lab ID: CS2_120725_PCB_XB
 Acquired: 26-JUL-2012 04:44
 Datafile: 120725X17

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.66	5.68E+06	3.23 Y	1.03	1.01	-1.7%
PCB-2 3-MoCB	12.55	5.71E+06	3.28 Y	1.04	1.02	-1.8%
PCB-3 4-MoCB	12.72	5.62E+06	3.25 Y	1.04	1.01	-3.4%
PCB-4 22'-DiCB	12.94	2.89E+06	1.56 Y	1.17	1.13	-3.3%
PCB-10 26-DiCB	13.11	4.57E+06	1.56 Y	1.83	1.79	-2.5%
PCB-9 25-DiCB	14.77	5.02E+06	1.62 Y	0.89	0.88	-1.7%
PCB-7 24-DiCB	14.92	5.75E+06	1.59 Y	1.02	1.01	-1.8%
PCB-6 23'-DiCB	15.13	5.30E+06	1.65 Y	0.95	0.93	-2.2%
PCB-5 23-DiCB	15.41	5.38E+06	1.62 Y	0.97	0.94	-3.2%
PCB-8 24'-DiCB	15.52	5.61E+06	1.62 Y	0.98	0.98	-0.1%
PCB-14 35-DiCB	16.99	6.45E+06	1.64 Y	1.16	1.13	-2.4%
PCB-11 33'-DiCB	17.72	5.59E+06	1.59 Y	1.00	0.98	-2.0%
PCB-13/12 34'-/34-DiCB	17.99	1.13E+07	1.57 Y	1.02	0.99	-2.9%
PCB-15 44'-DiCB	18.26	5.95E+06	1.63 Y	1.08	1.04	-3.7%
PCB-19 22'6-TrCB	15.78	3.04E+06	1.06 Y	1.09	1.04	-4.9%
PCB-30/18 246-/22'5-TrCB	17.44	8.35E+06	1.09 Y	1.46	1.43	-2.1%
PCB-17 22'4-TrCB	17.82	3.50E+06	1.09 Y	1.25	1.20	-4.3%
PCB-27 23'6-TrCB	18.00	4.67E+06	1.09 Y	1.69	1.60	-5.5%
PCB-24 236-TrCB	18.13	4.70E+06	1.09 Y	1.63	1.61	-1.5%
PCB-16 22'3-TrCB	18.21	2.60E+06	1.07 Y	0.95	0.89	-6.6%
PCB-32 24'6-TrCB	18.67	5.03E+06	1.06 Y	1.79	1.72	-3.7%
PCB-34 2'35-TrCB	19.78	4.70E+06	1.07 Y	1.05	1.03	-1.9%
PCB-23 235-TrCB	19.92	4.72E+06	1.02 Y	1.06	1.03	-2.5%
PCB-26/29 23'5-/245-TrCB	20.20	9.79E+06	1.05 Y	1.09	1.07	-1.4%
PCB-25 23'4-TrCB	20.38	4.78E+06	1.05 Y	1.07	1.04	-2.8%
PCB-31 24'5-TrCB	20.65	4.93E+06	1.03 Y	1.11	1.08	-3.0%
PCB-28/20 244'-/233'-TrCB	20.92	9.53E+06	1.05 Y	1.07	1.04	-2.4%
PCB-21/33 234-/2'34-TrCB	21.09	9.67E+06	1.03 Y	1.09	1.06	-3.2%
PCB-22 234'-TrCB	21.45	4.48E+06	1.05 Y	1.02	0.98	-3.6%
PCB-36 33'5-TrCB	22.80	4.93E+06	1.05 Y	1.13	1.08	-4.3%
PCB-39 34'5-TrCB	23.11	5.20E+06	1.08 Y	1.17	1.14	-2.5%
PCB-38 345-TrCB	23.61	4.65E+06	1.04 Y	1.03	1.02	-1.5%
PCB-35 33'4-TrCB	24.00	4.58E+06	1.02 Y	1.04	1.00	-3.7%
PCB-37 344'-TrCB	24.35	4.85E+06	1.05 Y	1.10	1.06	-4.1%
PCB-54 22'66'-TeCB	18.52	3.18E+06	0.78 Y	1.21	1.17	-3.4%
PCB-50/53 22'46-/22'56'TeCB	20.43	5.99E+06	0.79 Y	0.86	0.83	-3.3%
PCB-45 22'36'-TeCB	20.98	2.52E+06	0.77 Y	0.73	0.70	-4.5%
PCB-51 22'46'-TeCB	21.05	3.15E+06	0.78 Y	0.88	0.87	-1.0%
PCB-46 22'36'-TeCB	21.25	2.43E+06	0.78 Y	0.70	0.67	-3.3%
PCB-52 22'55'-TeCB	22.49	2.99E+06	0.80 Y	0.84	0.83	-1.9%
PCB-73 23'5'6TeCB	22.61	3.63E+06	0.78 Y	1.09	1.00	-7.8%
PCB-43 22'35'-TeCB	22.69	2.63E+06	0.80 Y	0.72	0.73	0.6%
PCB-69/49 23'46-/22'45'TeCB	22.89	7.17E+06	0.79 Y	1.01	0.99	-2.2%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

Lab ID: CS2_120725_PCB_XB
 Acquired: 26-JUL-2012 04:44
 Datafile: 120725X17

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.16	2.96E+06	0.79 Y	0.85	0.82	-3.7%
PCB-44/47/65 22'35'-/22'44'-	23.37	9.40E+06	0.79 Y	0.89	0.87	-2.7%
PCB-59/62/75 233'6-/2346-/24	23.63	1.22E+07	0.79 Y	1.14	1.13	-1.0%
PCB-42 22'34'-TeCB	23.79	2.74E+06	0.79 Y	0.77	0.76	-2.0%
PCB-41 22'34'-TeCB	24.10	2.40E+06	0.80 Y	0.73	0.66	-8.7%
PCB-71/40 23'4'6/22'33'-TeCB	24.20	6.18E+06	0.80 Y	0.87	0.85	-1.3%
PCB-64 234'6'-TeCB	24.40	4.34E+06	0.78 Y	1.24	1.20	-3.0%
PCB-72 23'55'-TeCB	25.13	3.96E+06	0.80 Y	1.14	1.09	-4.3%
PCB-68 23'45'-TeCB	25.37	4.20E+06	0.77 Y	1.21	1.16	-4.1%
PCB-57 233'5'-TeCB	25.73	3.81E+06	0.79 Y	1.11	1.05	-4.8%
PCB-58 233'5'-TeCB	25.92	3.87E+06	0.78 Y	1.10	1.07	-2.8%
PCB-67 23'45'-TeCB	26.08	4.04E+06	0.78 Y	1.16	1.12	-3.8%
PCB-63 234'5'-TeCB	26.30	4.24E+06	0.80 Y	1.22	1.17	-3.6%
PCB-61/70/74/76 2345-/23'4'5	26.58	1.61E+07	0.78 Y	1.13	1.11	-1.7%
PCB-66 23'44'-TeCB	26.86	3.76E+06	0.78 Y	1.08	1.04	-3.5%
PCB-55 233'4'-TeCB	26.99	3.84E+06	0.78 Y	1.10	1.06	-3.3%
PCB-56 233'4'-TeCB	27.42	3.63E+06	0.76 Y	1.06	1.00	-5.0%
PCB-60 2344'-TeCB	27.60	3.83E+06	0.78 Y	1.11	1.06	-4.7%
PCB-80 33'55'-TeCB	27.96	4.40E+06	0.75 Y	1.25	1.22	-2.9%
PCB-79 33'45'-TeCB	29.24	4.20E+06	0.77 Y	1.23	1.16	-5.9%
PCB-78 33'45'-TeCB	29.71	3.70E+06	0.78 Y	1.08	1.02	-5.3%
PCB-104 22'466'-PeCB	23.31	3.23E+06	0.63 Y	1.25	1.23	-1.9%
PCB-96 22'366'-PeCB	23.61	2.72E+06	0.62 Y	1.08	1.04	-3.5%
PCB-103 22'45'6'-PeCB	25.28	2.75E+06	0.64 Y	0.90	0.86	-4.4%
PCB-94 22'356'-PeCB	25.46	2.36E+06	0.62 Y	0.78	0.74	-4.8%
PCB-95 22'35'6'-PeCB	25.83	2.61E+06	0.62 Y	0.83	0.82	-1.0%
PCB-100/93 22'44'6-/22'356-P	26.04	5.34E+06	0.62 Y	0.84	0.84	-0.8%
PCB-102 22'456'-PeCB	26.15	2.71E+06	0.61 Y	0.90	0.85	-5.7%
PCB-98 22'3'46'-PeCB	26.21	2.41E+06	0.62 Y	0.77	0.76	-2.2%
PCB-88 22'346'-PeCB	26.50	2.46E+06	0.59 Y	0.79	0.77	-2.9%
PCB-91 22'34'6'-PeCB	26.57	2.73E+06	0.62 Y	0.88	0.86	-2.8%
PCB-84 22'33'6'-PeCB	26.75	2.20E+06	0.60 Y	0.71	0.69	-2.9%
PCB-89 22'346'-PeCB	27.15	2.38E+06	0.63 Y	0.76	0.75	-2.1%
PCB-121 23'45'6'-PeCB	27.53	3.55E+06	0.60 Y	1.14	1.11	-2.9%
PCB-92 22'355'-PeCB	27.83	2.48E+06	0.60 Y	0.80	0.78	-2.8%
PCB-113/90/101 233'5'6-/22'3	28.31	8.79E+06	0.60 Y	0.93	0.92	-1.8%
PCB-83 22'33'5'-PeCB	28.73	2.26E+06	0.63 Y	0.71	0.71	-0.4%
PCB-99 22'44'5'-PeCB	28.83	2.72E+06	0.61 Y	0.87	0.85	-2.3%
PCB-112 233'56'-PeCB	28.92	3.46E+06	0.64 Y	1.13	1.08	-3.8%
PCB-108/119/86/97/125/87 233	29.26	1.81E+07	0.61 Y	0.95	0.94	-0.5%
PCB-117 234'56'-PeCB	29.78	3.13E+06	0.62 Y	1.04	0.98	-5.6%
PCB-116/85 23456-/22'344'-Pe	29.86	6.16E+06	0.62 Y	0.97	0.97	-0.8%
PCB-110 233'4'6'-PeCB	29.99	3.21E+06	0.63 Y	1.02	1.01	-1.5%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

Lab ID: CS2_120725_PCB_XB
 Acquired: 26-JUL-2012 04:44
 Datafile: 120725X17

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6-PeCB	30.07	3.50E+06	0.62 Y	1.16	1.10	-5.3%
PCB-82 22'33'4-PeCB	30.25	2.13E+06	0.63 Y	0.69	0.67	-3.4%
PCB-111 233'55'-PeCB	30.60	3.61E+06	0.62 Y	1.15	1.13	-2.0%
PCB-120 23'455'-PeCB	30.99	3.66E+06	0.61 Y	1.16	1.15	-1.2%
PCB-107/124 233'4'5'-/2'3455'	31.93	6.75E+06	0.62 Y	1.07	1.06	-1.6%
PCB-109 233'46-PeCB	32.14	3.32E+06	0.61 Y	1.14	1.04	-8.9%
PCB-106 233'45-PeCB	32.34	3.43E+06	0.62 Y	1.07	1.08	0.5%
PCB-122 2'33'45-PeCB	32.80	3.19E+06	0.61 Y	1.00	0.96	-4.2%
PCB-127 33'455'-PeCB	34.74	3.51E+06	0.61 Y	1.10	1.07	-2.4%
PCB-155 22'44'66'-HxCB	28.16	3.41E+06	1.29 Y	1.09	1.04	-4.4%
PCB-152 22'3566'-HxCB	28.30	3.21E+06	1.28 Y	1.01	0.98	-3.1%
PCB-150 22'34'66'-HxCB	28.45	3.21E+06	1.25 Y	1.00	0.98	-2.2%
PCB-136 22'33'66'-HxCB	28.73	3.01E+06	1.22 Y	0.95	0.92	-3.5%
PCB-145 22'3466'HxCB	29.00	3.09E+06	1.27 Y	0.96	0.94	-1.8%
PCB-148 22'34'56'-HxCB	30.29	2.30E+06	1.26 Y	0.97	0.92	-5.4%
PCB-151/135 22'355'6-/22'33'	30.79	4.63E+06	1.23 Y	0.96	0.92	-4.1%
PCB-154 22'44'5'6-HxCB	31.00	2.65E+06	1.31 Y	1.09	1.06	-2.9%
PCB-144 22'345'6-HxCB	31.25	2.37E+06	1.29 Y	0.98	0.95	-3.8%
PCB-147/149 22'34'56-/22'34'	31.55	4.78E+06	1.28 Y	0.99	0.95	-3.3%
PCB-134 22'33'56-HxCB	31.71	1.90E+06	1.24 Y	0.80	0.76	-5.6%
PCB-143 22'3456'-HxCB	31.79	2.25E+06	1.26 Y	0.95	0.90	-6.0%
PCB-139/140 22'344'6-/22'344'	32.06	4.86E+06	1.25 Y	1.00	0.97	-3.1%
PCB-131 22'33'46-HxCB	32.22	2.08E+06	1.32 Y	0.85	0.83	-2.6%
PCB-142 22'3456-HxCB	32.36	2.11E+06	1.30 Y	0.87	0.84	-3.7%
PCB-132 22'33'46'-HxCB	32.60	2.15E+06	1.26 Y	0.89	0.86	-3.8%
PCB-133 22'33'55'-HxCB	33.03	2.21E+06	1.25 Y	0.91	0.88	-3.6%
PCB-165 233'55'6-HxCB	33.37	2.72E+06	1.27 Y	1.13	1.08	-4.3%
PCB-146 22'34'55'-HxCB	33.58	2.38E+06	1.23 Y	1.01	0.95	-5.8%
PCB-161 233'45'6-HxCB	33.69	3.02E+06	1.26 Y	1.25	1.20	-3.9%
PCB-153/168 22'44'55'-/23'44'	34.12	5.75E+06	1.25 Y	1.22	1.15	-6.0%
PCB-141 22'3455'-HxCB	34.25	2.23E+06	1.26 Y	0.93	0.89	-4.1%
PCB-130 22'33'45'-HxCB	34.59	2.04E+06	1.30 Y	0.85	0.81	-4.0%
PCB-137 22'344'5-HxCB	34.78	2.64E+06	1.31 Y	1.04	1.05	1.0%
PCB-164 233'4'5'6-HxCB	34.87	2.80E+06	1.27 Y	1.22	1.12	-8.9%
PCB-163/138/129 233'4'56-/22'	35.15	7.49E+06	1.28 Y	1.02	1.00	-2.8%
PCB-160 233'456-HxCB	35.28	2.83E+06	1.29 Y	1.21	1.13	-6.6%
PCB-158 233'44'6-HxCB	35.46	3.25E+06	1.26 Y	1.34	1.30	-3.0%
PCB-128/166 22'33'44'-/2344'5	36.18	5.65E+06	1.27 Y	0.90	0.87	-2.9%
PCB-159 233'455'-HxCB	37.02	3.30E+06	1.23 Y	1.06	1.02	-4.1%
PCB-162 233'4'55'-HxCB	37.26	3.40E+06	1.24 Y	1.08	1.05	-2.4%
PCB-188 22'34'566'-HpCB	32.97	2.62E+06	1.10 Y	1.03	1.02	-0.9%
PCB-179 22'33'566'-HpCB	33.23	2.41E+06	1.06 Y	0.97	0.94	-2.5%
PCB-184 22'344'66'-HpCB	33.70	2.30E+06	1.03 Y	0.93	0.90	-3.4%

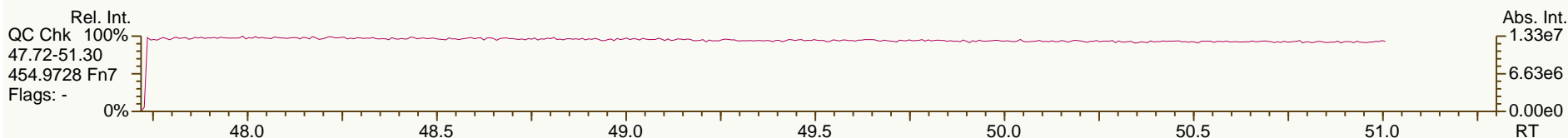
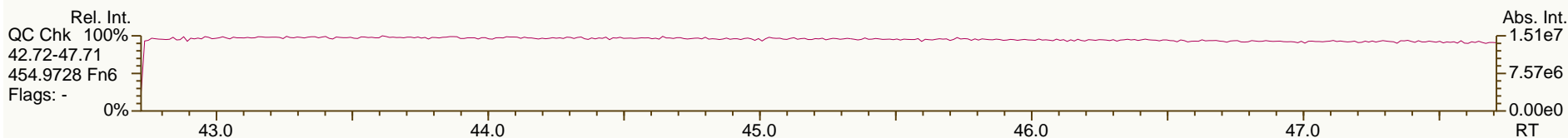
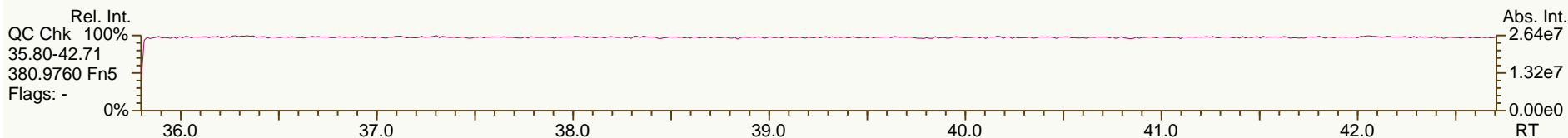
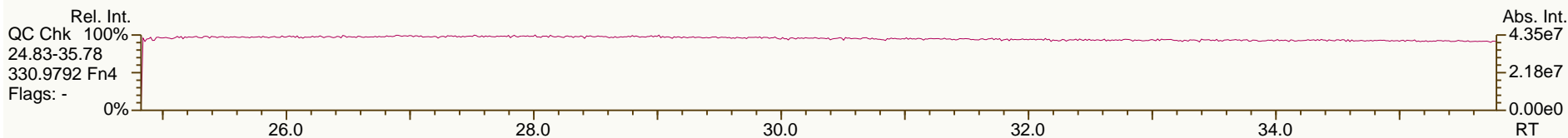
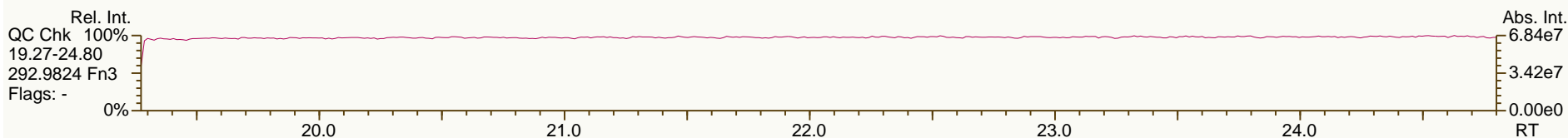
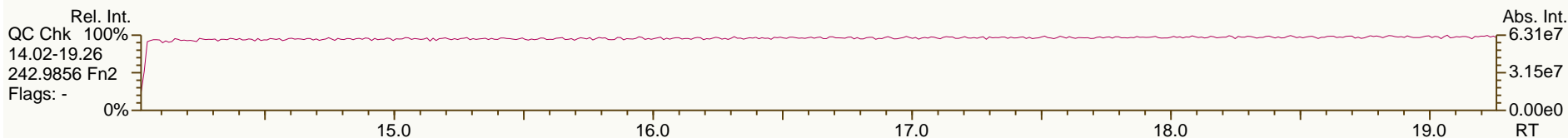
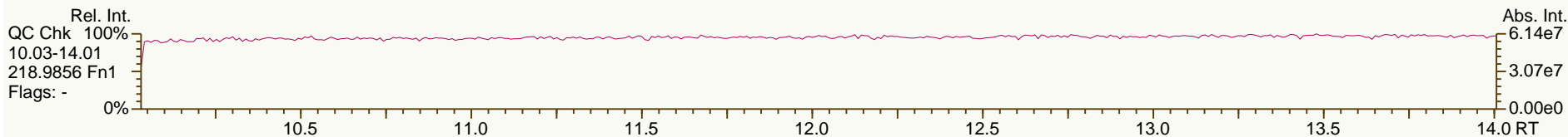
PCB QC Summary - Ax2 Detail

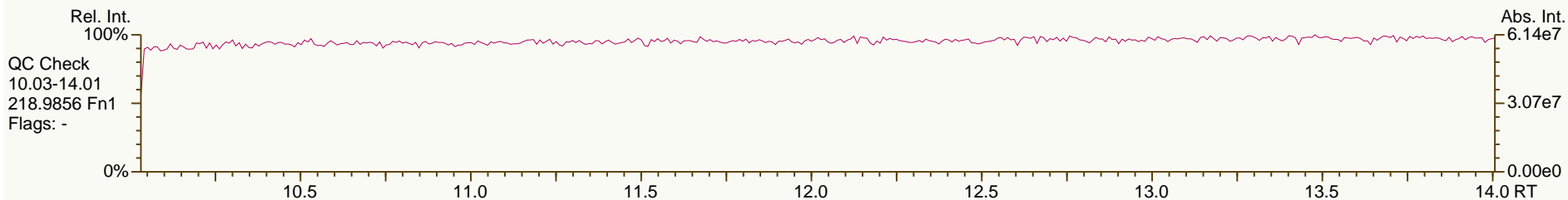
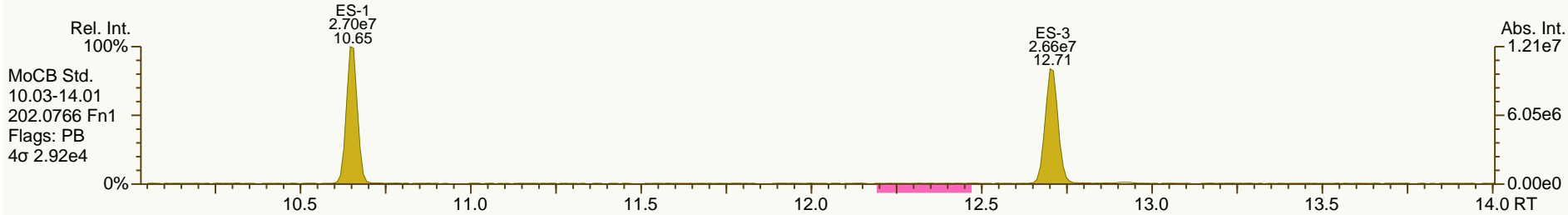
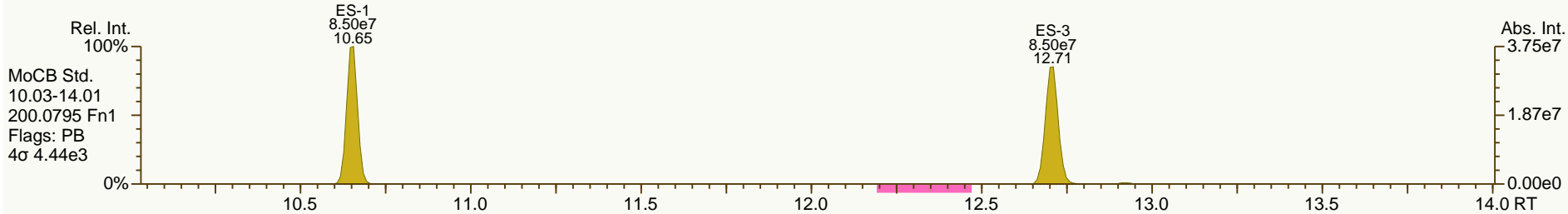
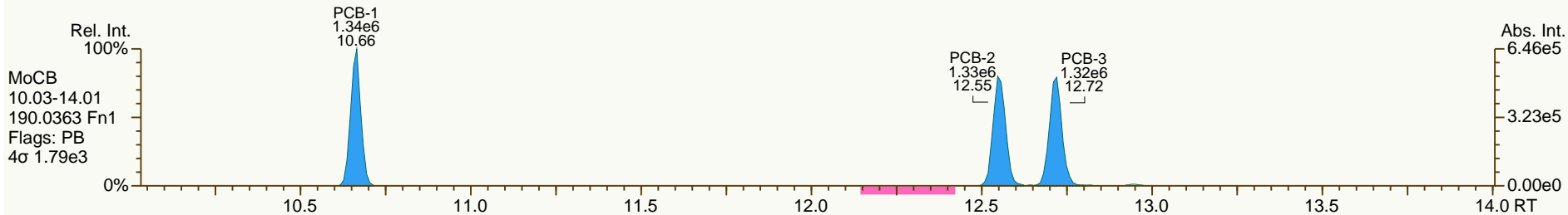
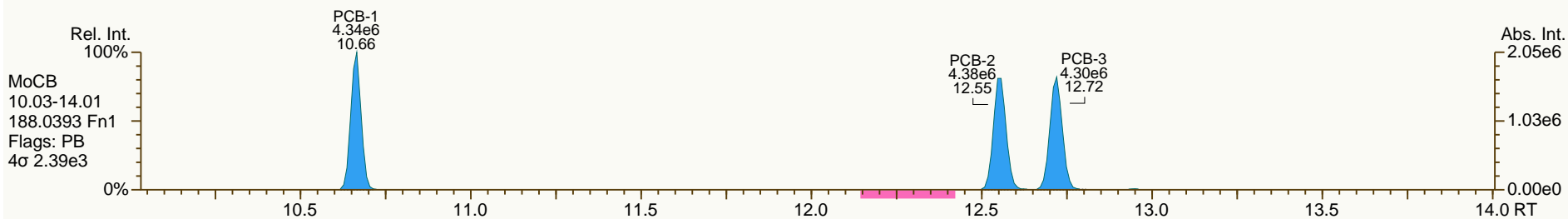
Printed: 28-Jul-2012 10:13

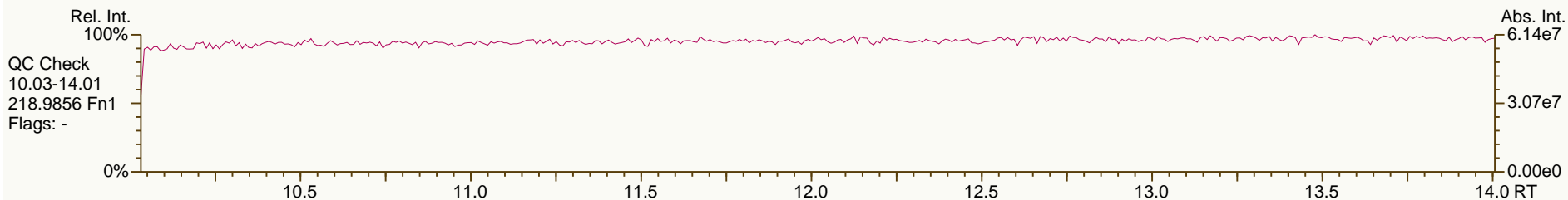
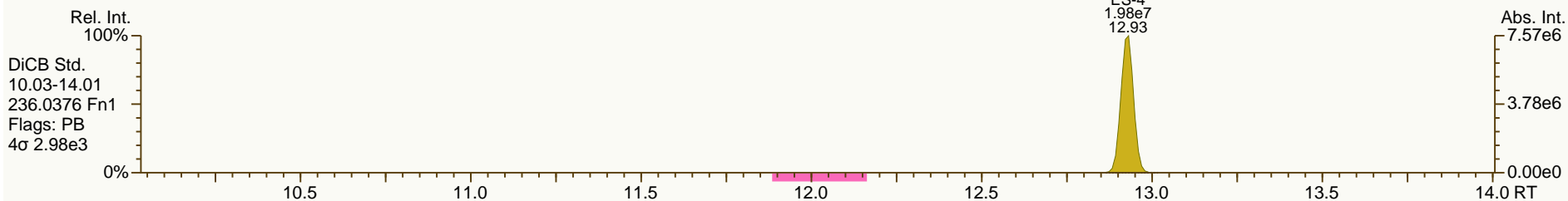
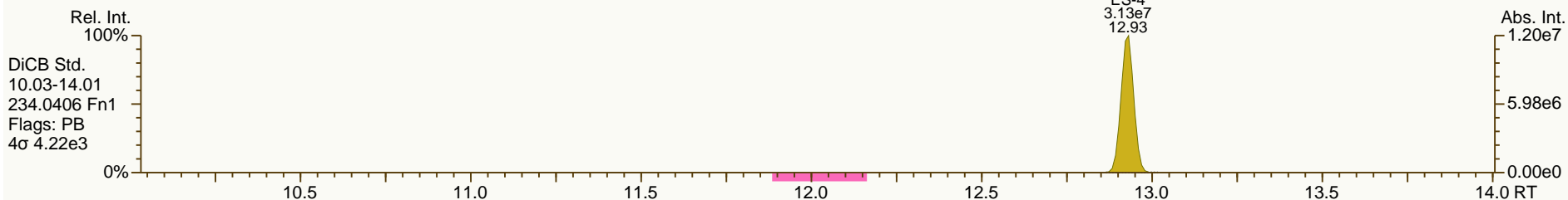
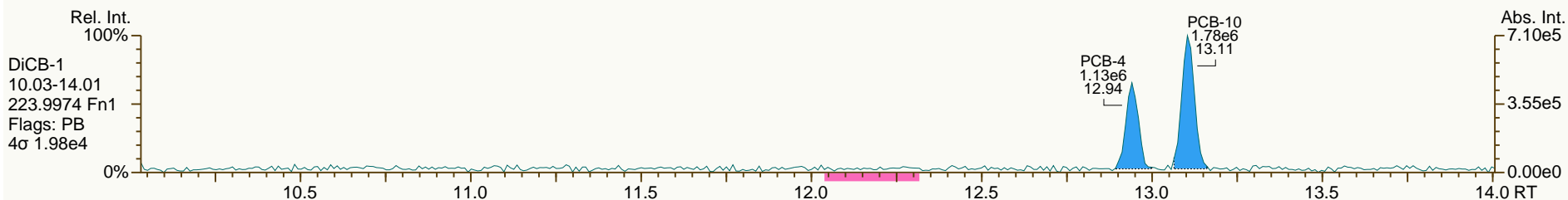
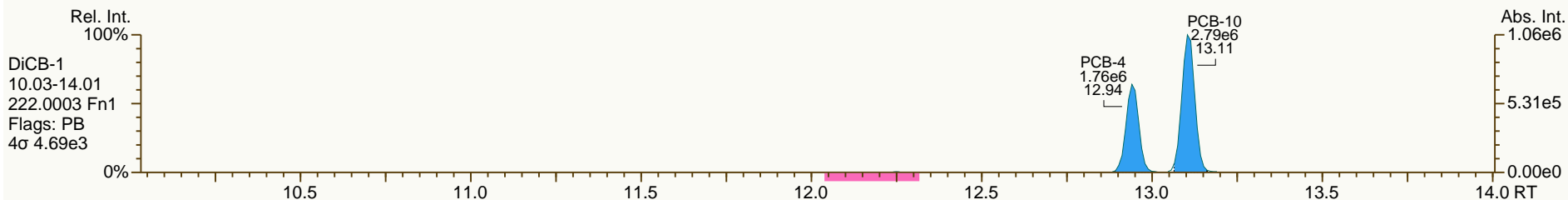
Lab ID: CS2_120725_PCB_XB
 Acquired: 26-JUL-2012 04:44
 Datafile: 120725X17

ICAL: MM7_PCB_07132012_25JUL12

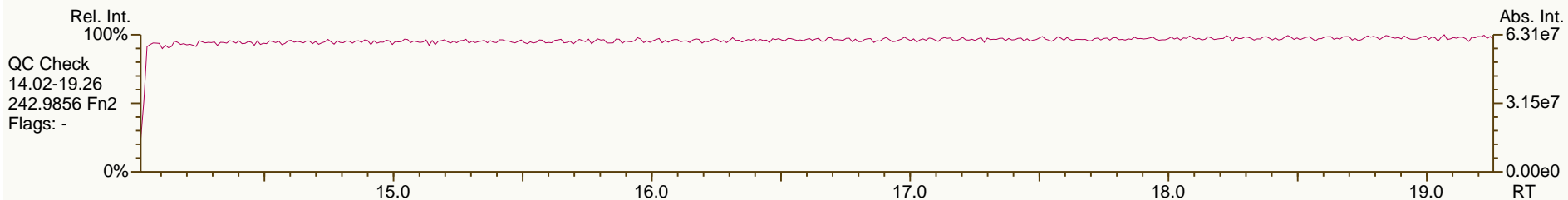
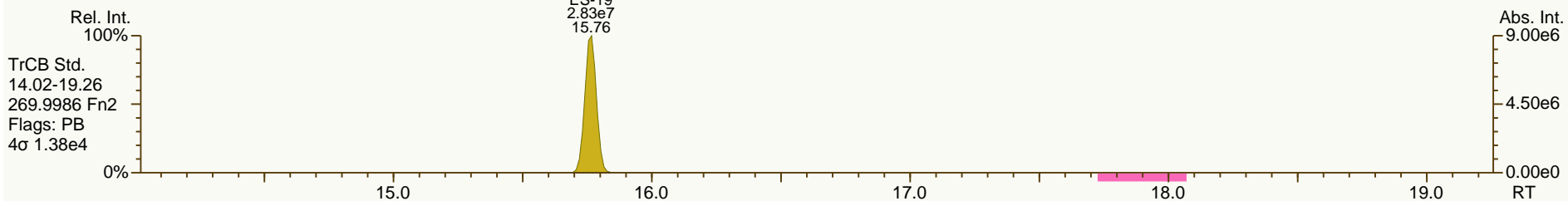
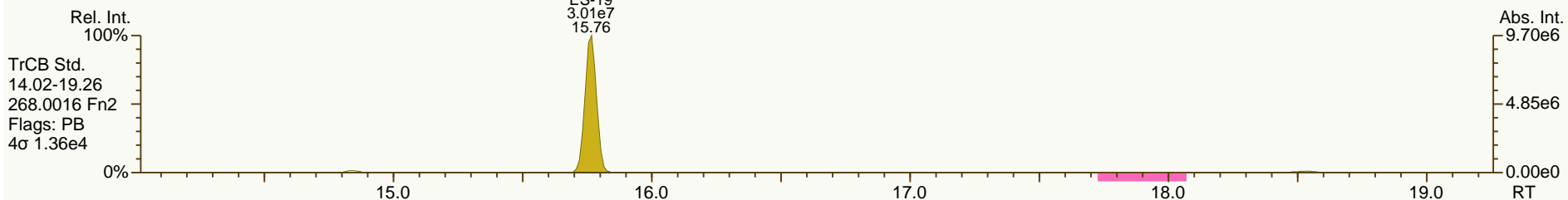
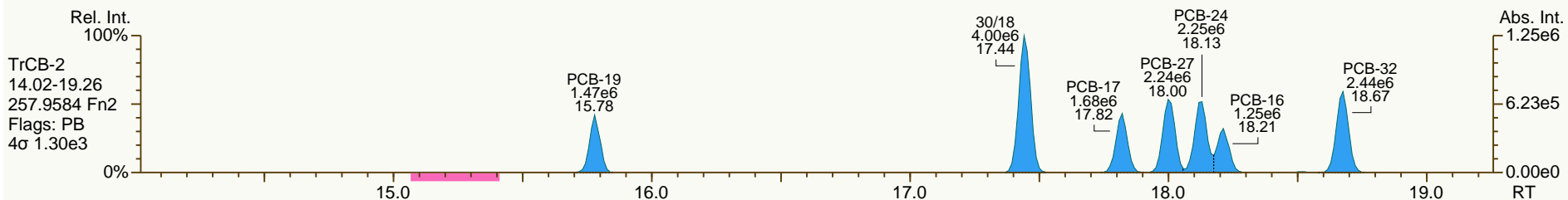
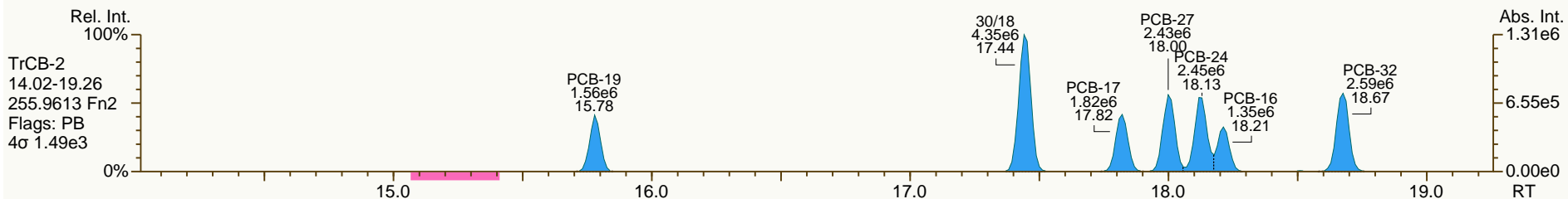
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-176 22'33'466'-HpCB	33.98	2.66E+06	1.09 Y	1.05	1.04	-0.7%
PCB-186 22'34566'-HpCB	34.36	2.47E+06	1.07 Y	0.98	0.97	-1.6%
PCB-178 22'33'55'6'-HpCB	35.52	1.83E+06	1.09 Y	0.74	0.72	-2.4%
PCB-175 22'33'45'6'-HpCB	36.05	2.25E+06	1.09 Y	1.01	0.99	-1.7%
PCB-187 22'34'55'6'-HpCB	36.28	2.40E+06	1.02 Y	1.06	1.06	-0.4%
PCB-182 22'344'56'-HpCB	36.45	2.42E+06	1.07 Y	1.11	1.07	-3.8%
PCB-183 22'344'5'6'-HpCB	36.80	2.61E+06	1.06 Y	1.13	1.15	1.7%
PCB-185 22'3455'6'-HpCB	36.87	2.18E+06	1.09 Y	1.02	0.96	-5.5%
PCB-174 22'33'456'-HpCB	36.98	2.06E+06	1.07 Y	0.93	0.91	-2.2%
PCB-177 22'33'4'56'-HpCB	37.35	2.01E+06	1.02 Y	0.91	0.89	-2.0%
PCB-181 22'344'56'-HpCB	37.69	2.30E+06	1.06 Y	1.06	1.02	-4.4%
PCB-171/173 22'33'44'6'-/22'3	37.87	4.10E+06	1.04 Y	0.93	0.90	-2.6%
PCB-172 22'33'455'-HpCB	39.23	2.09E+06	1.09 Y	0.95	0.92	-3.5%
PCB-192 233'455'6'-HpCB	39.48	2.74E+06	1.07 Y	1.24	1.21	-2.7%
PCB-180/193 22'344'55'-/233'	39.75	5.17E+06	1.04 Y	1.16	1.14	-1.6%
PCB-191 233'44'5'6'-HpCB	40.08	2.85E+06	1.05 Y	1.30	1.25	-3.7%
PCB-170 22'33'44'5'-HpCB	40.83	2.06E+06	1.09 Y	1.07	1.04	-2.8%
PCB-190 233'44'56'-HpCB	41.27	2.77E+06	1.06 Y	1.45	1.41	-3.1%
PCB-202 22'33'55'66'-OcCB	37.46	2.20E+06	0.92 Y	0.91	0.89	-2.7%
PCB-201 22'33'45'66'-OcCB	38.24	2.49E+06	0.92 Y	1.02	1.00	-1.7%
PCB-204 22'344'566'-OcCB	38.81	2.36E+06	0.89 Y	0.98	0.95	-2.4%
PCB-197 22'33'44'66'-OcCB	38.99	2.55E+06	0.94 Y	1.06	1.03	-3.2%
PCB-200 22'33'4566'-OcCB	39.07	2.36E+06	0.93 Y	0.96	0.95	-1.0%
PCB-198/199 22'33'455'6'-/22'	41.40	3.43E+06	0.91 Y	0.72	0.69	-3.3%
PCB-196 22'33'44'56'-OcCB	41.97	1.79E+06	0.87 Y	0.73	0.72	-1.1%
PCB-203 22'344'55'6'-OcCB	42.14	1.82E+06	0.92 Y	0.76	0.74	-3.6%
PCB-195 22'33'44'56'-OcCB	43.24	1.80E+06	0.88 Y	0.80	0.76	-4.7%
PCB-194 22'33'44'55'-OcCB	45.19	1.99E+06	0.92 Y	0.87	0.84	-3.7%
PCB-205 233'44'55'6'-OcCB	45.59	2.46E+06	0.91 Y	1.09	1.04	-4.2%
PCB-208 22'33'455'66'-NoCB	43.05	2.30E+06	0.75 Y	1.02	0.98	-3.8%
PCB-207 22'33'44'566'-NoCB	43.83	2.40E+06	0.77 Y	1.06	1.02	-3.4%
PCB-206 22'33'44'55'6'-NoCB	47.04	1.63E+06	0.75 Y	0.98	0.95	-2.8%

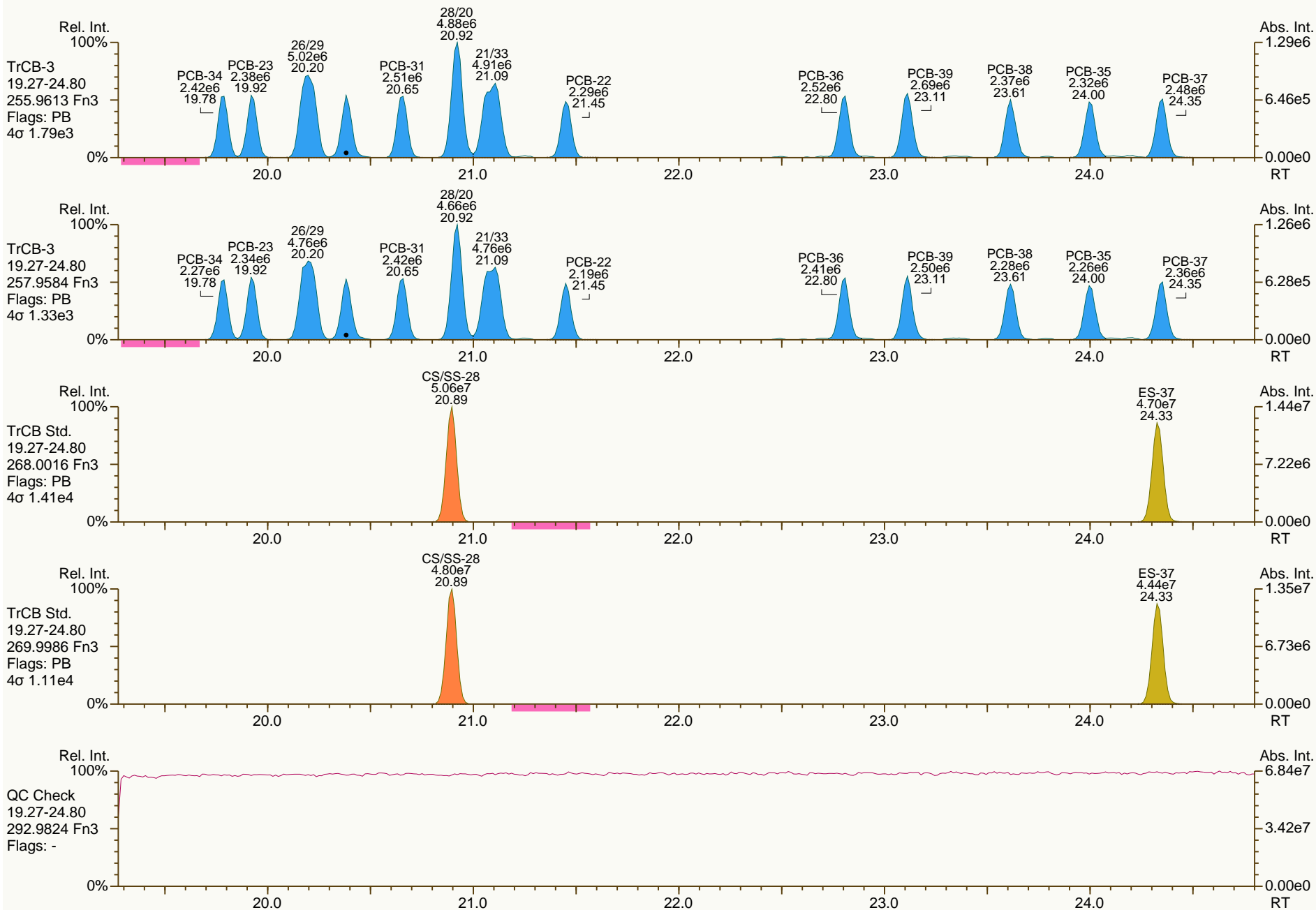


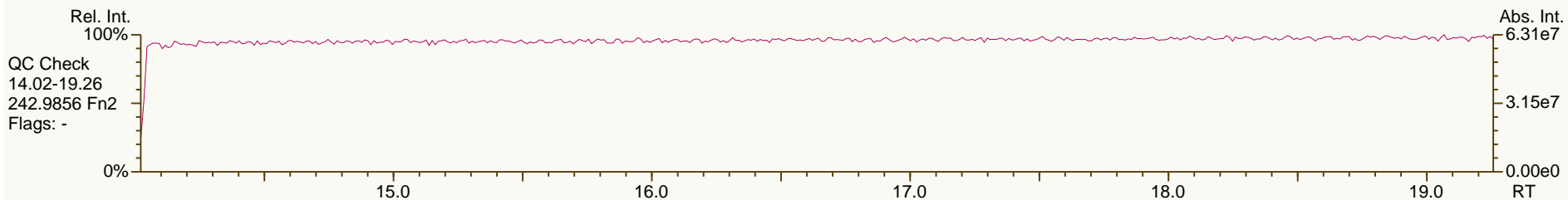
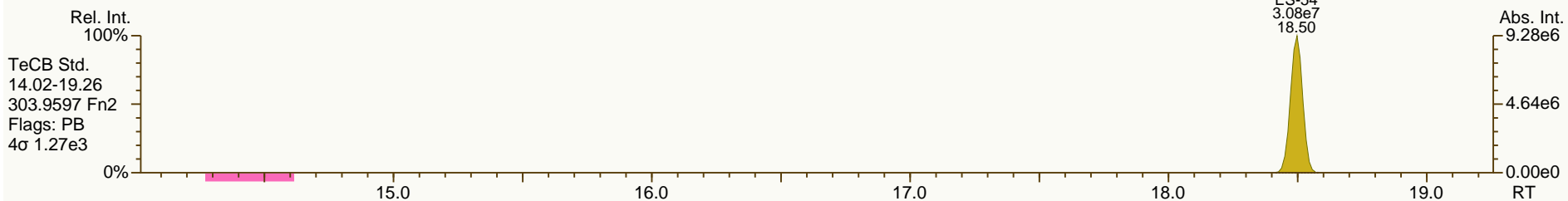
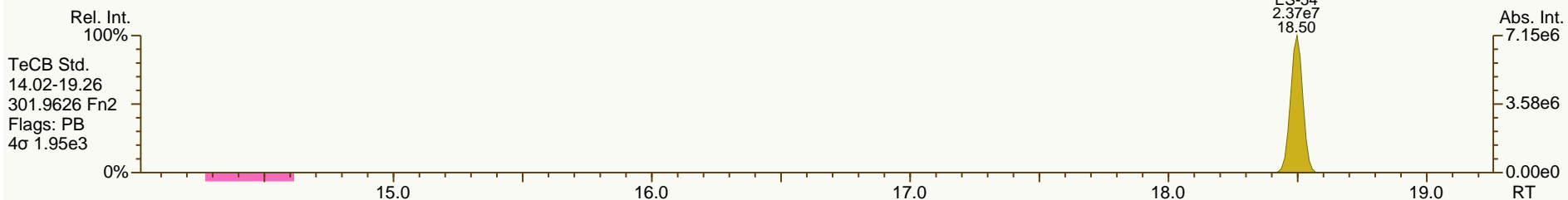
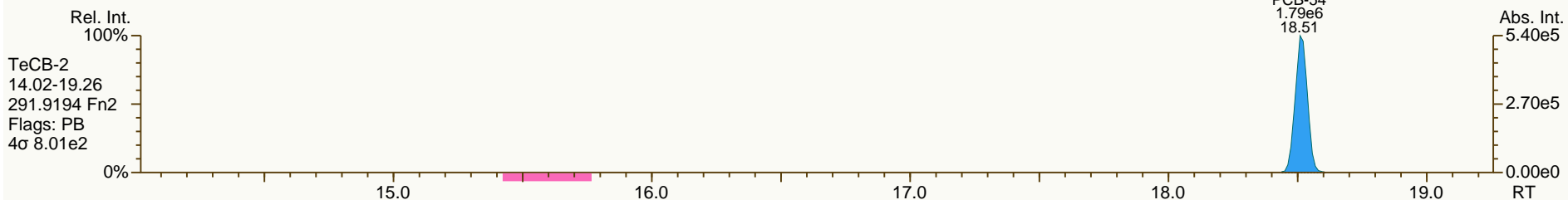
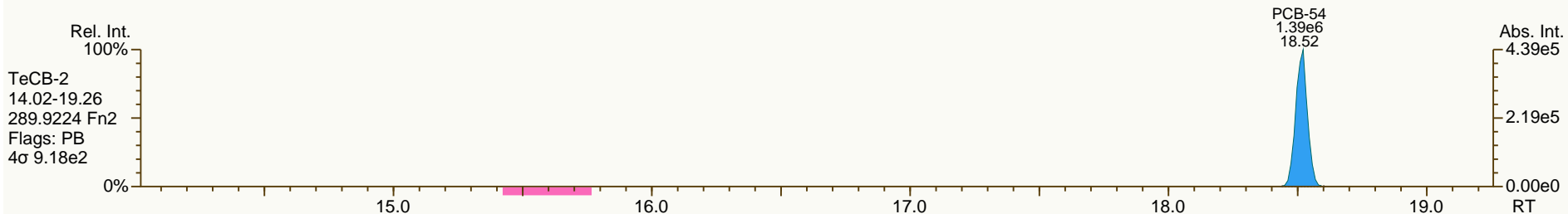


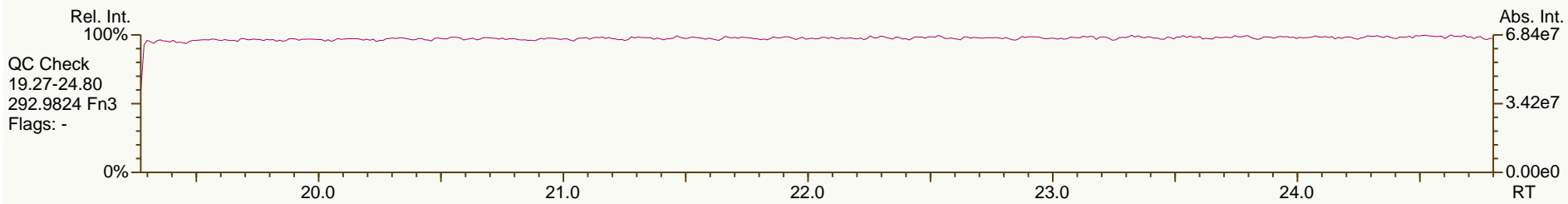
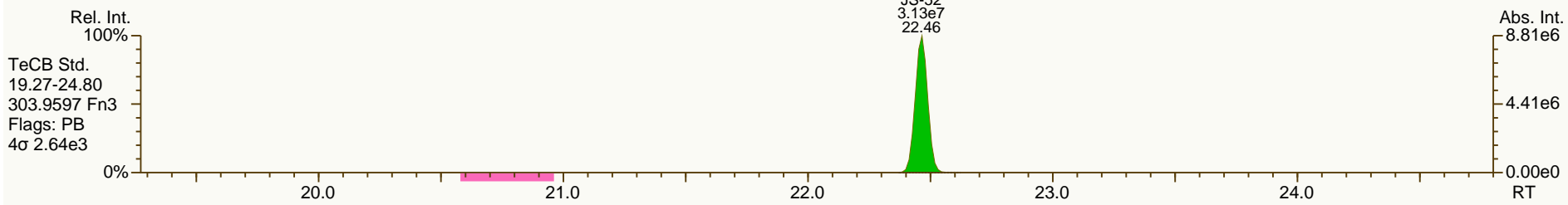
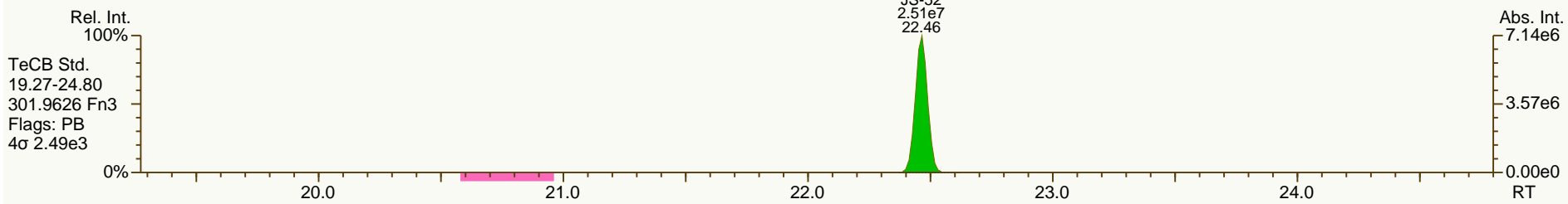
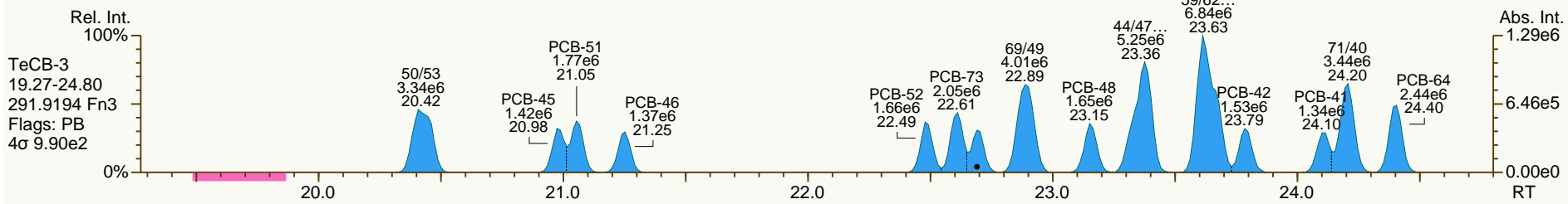
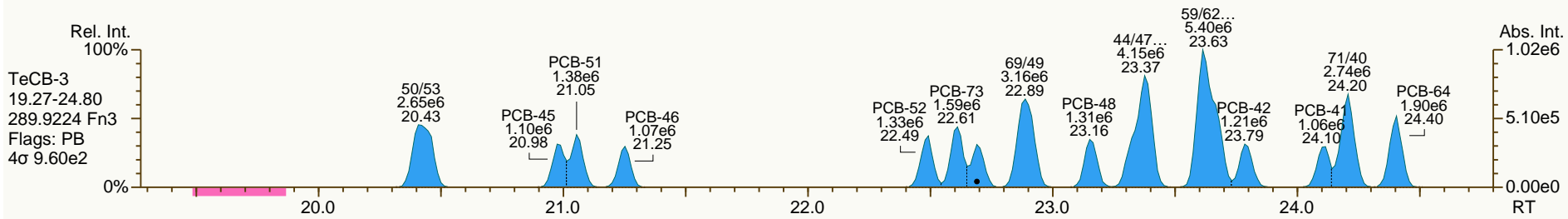


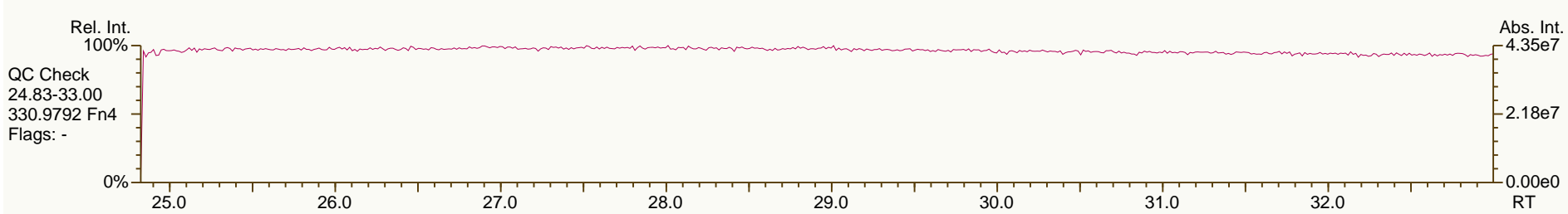
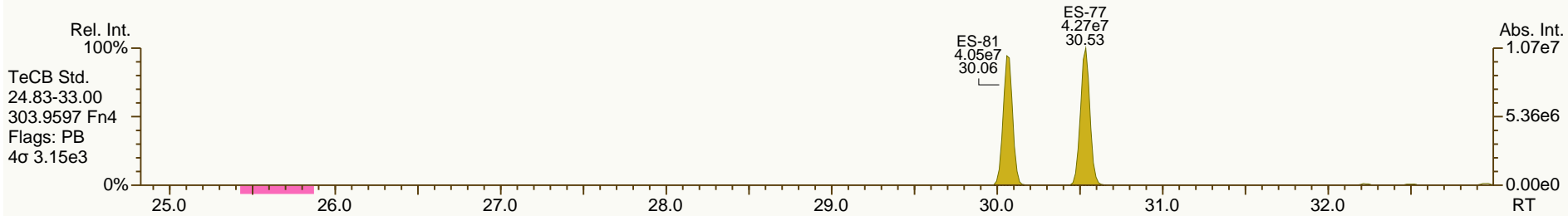
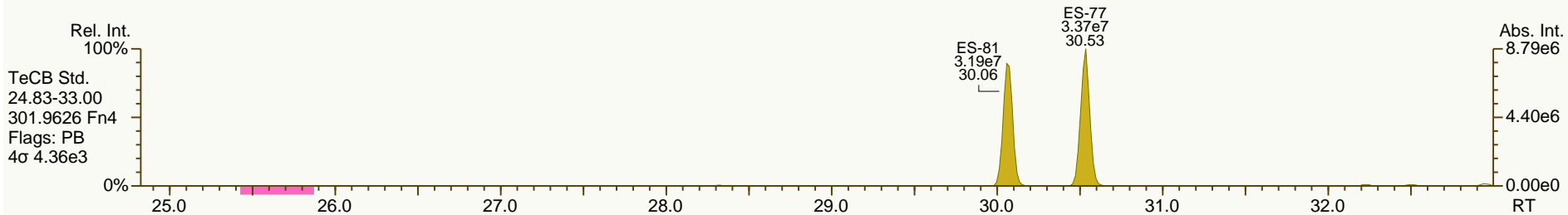
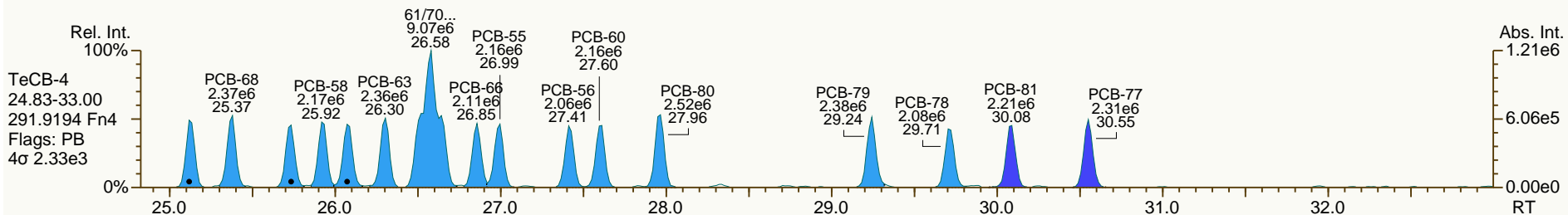
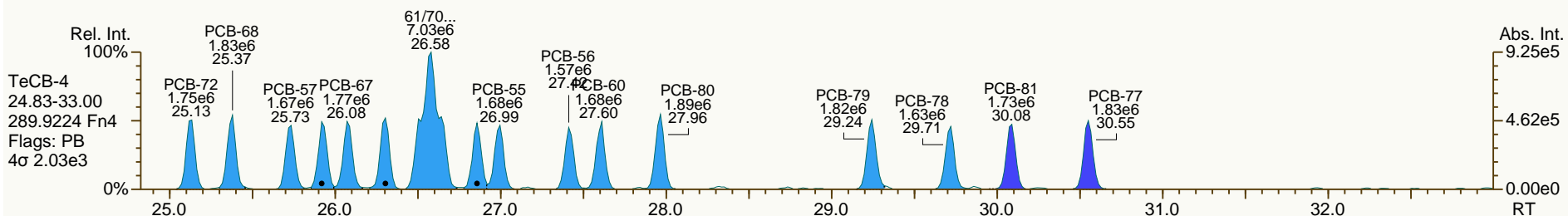


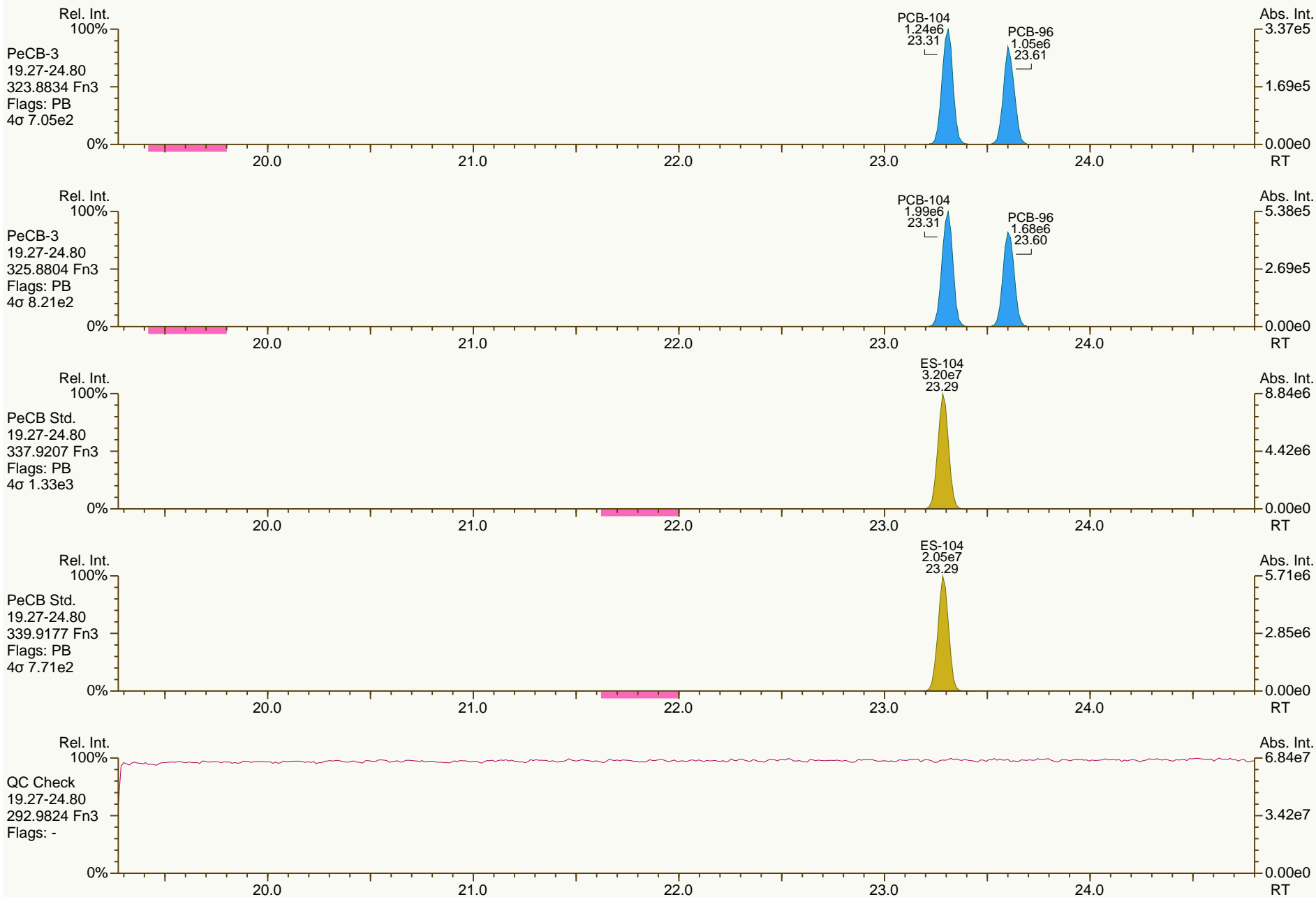


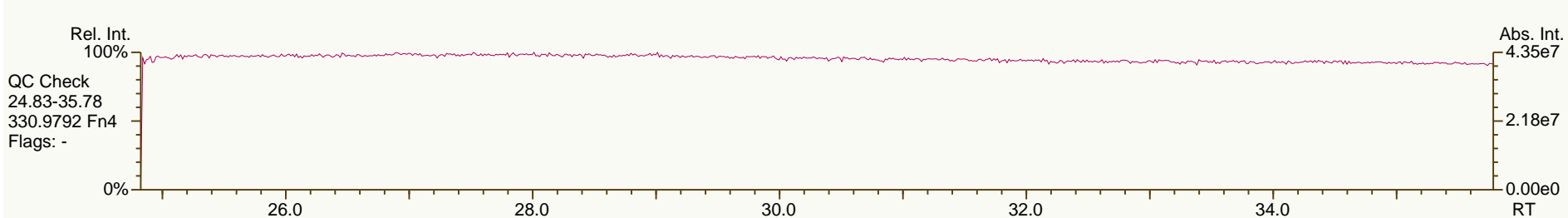
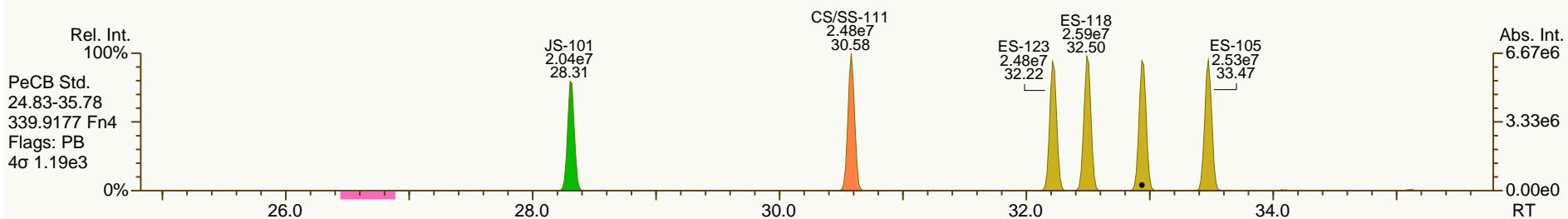
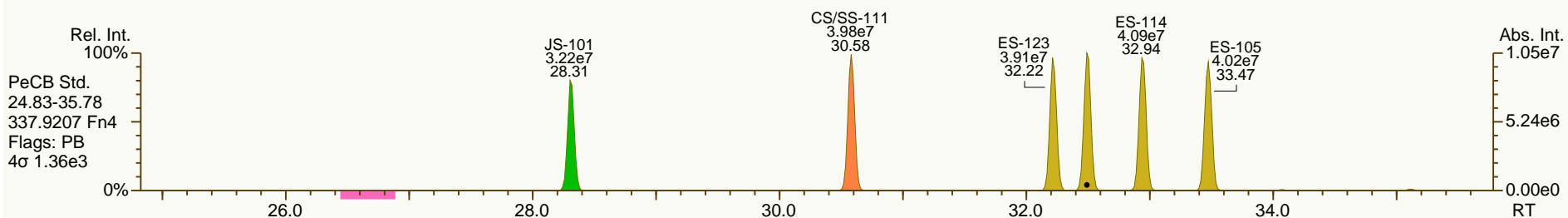
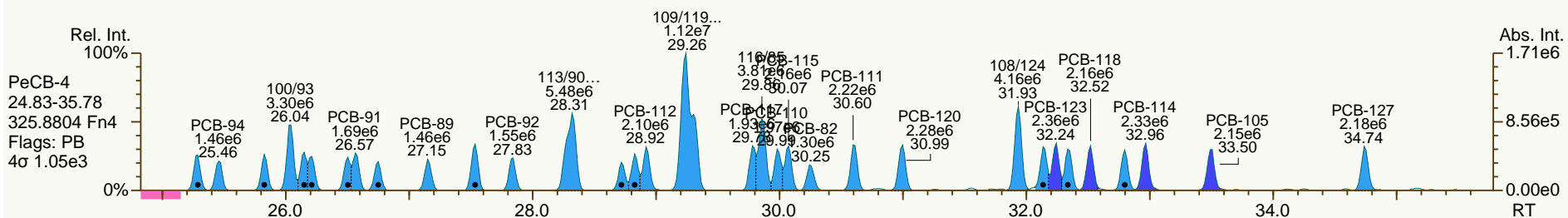
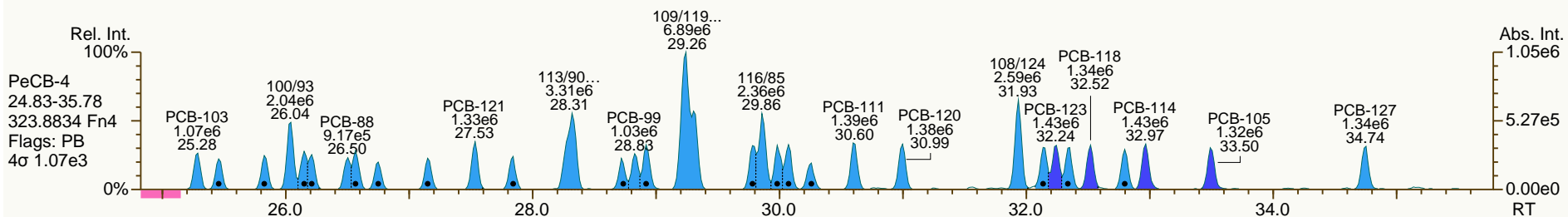


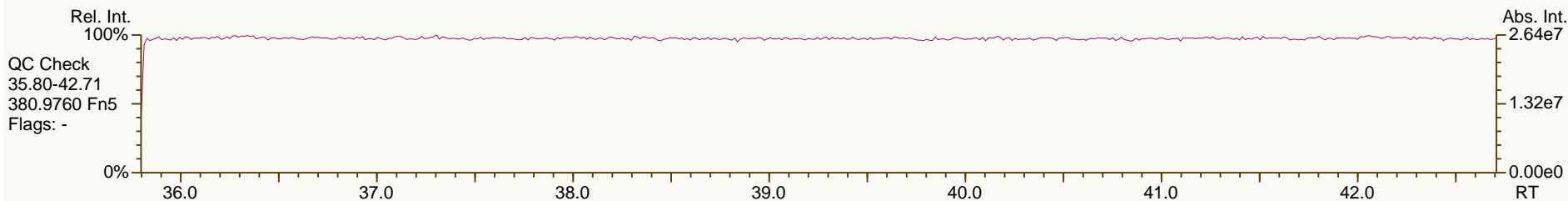
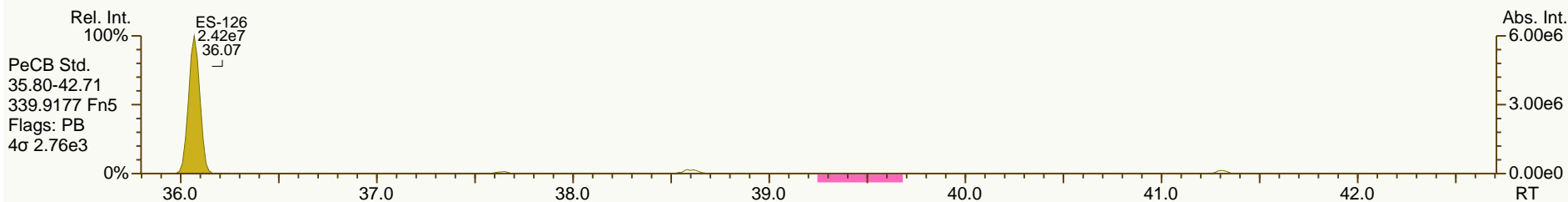
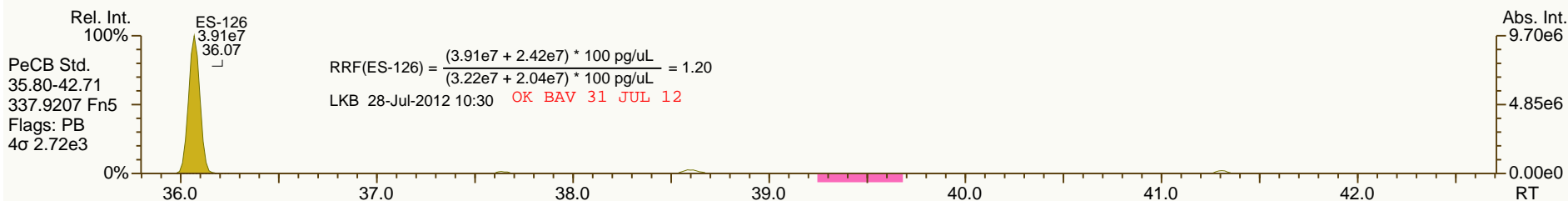
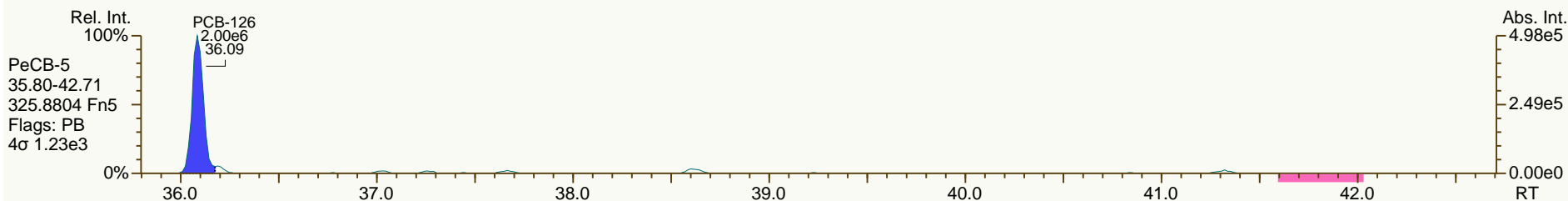
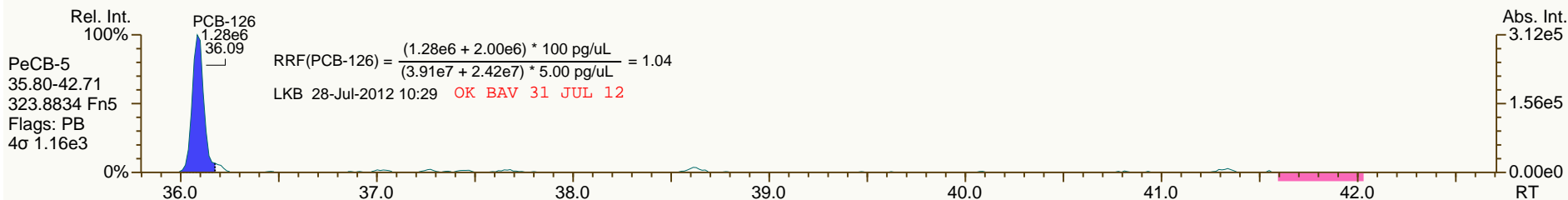


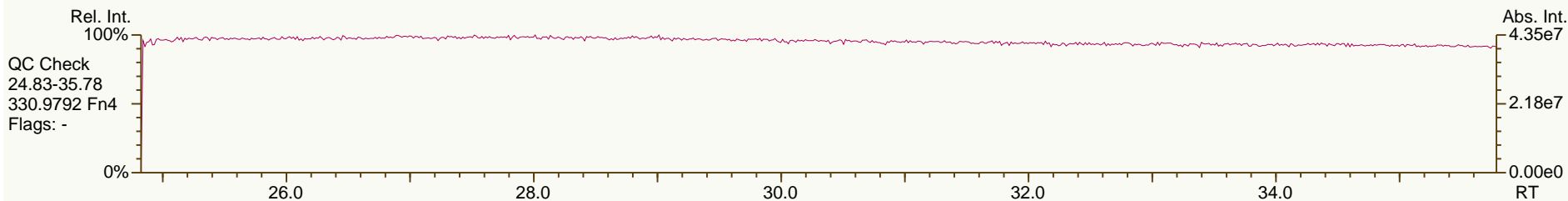
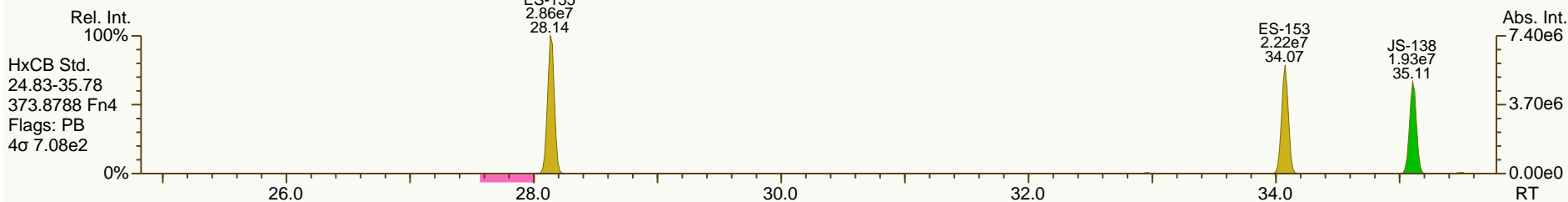
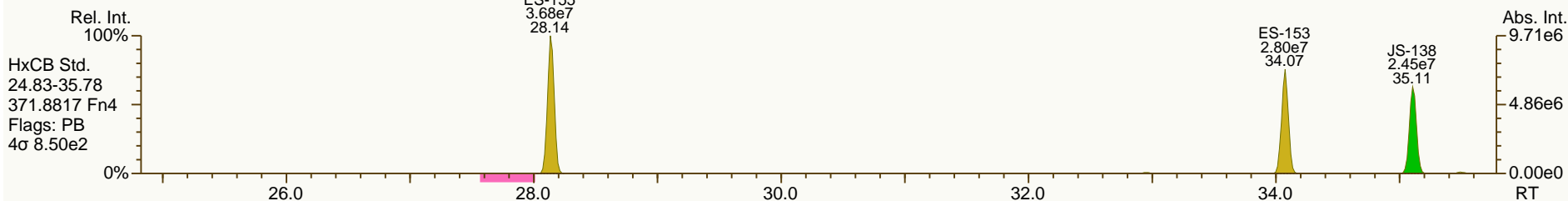
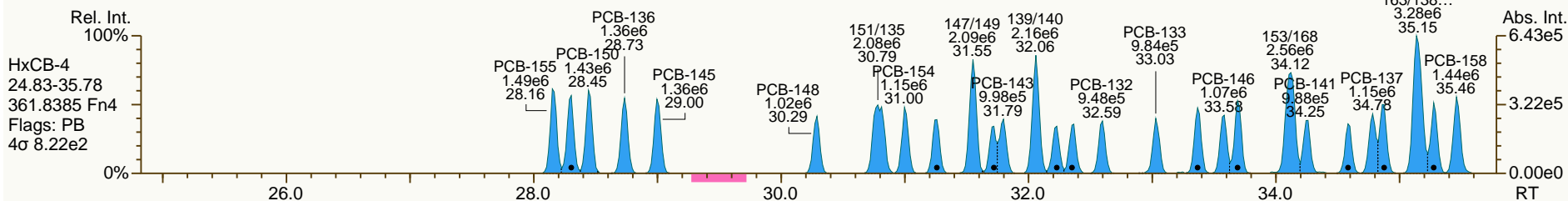
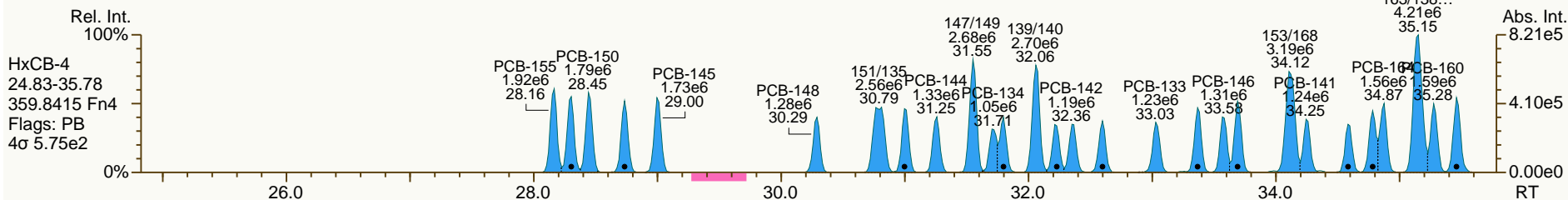


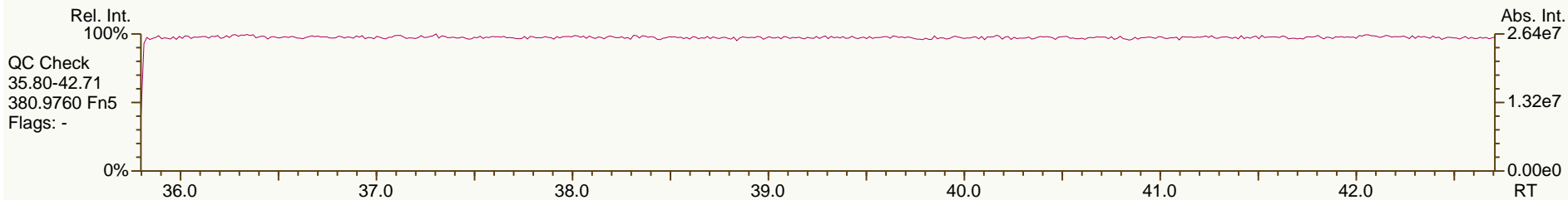
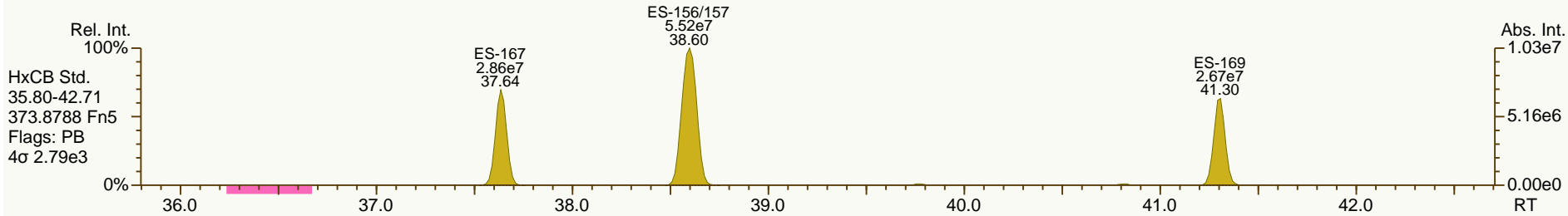
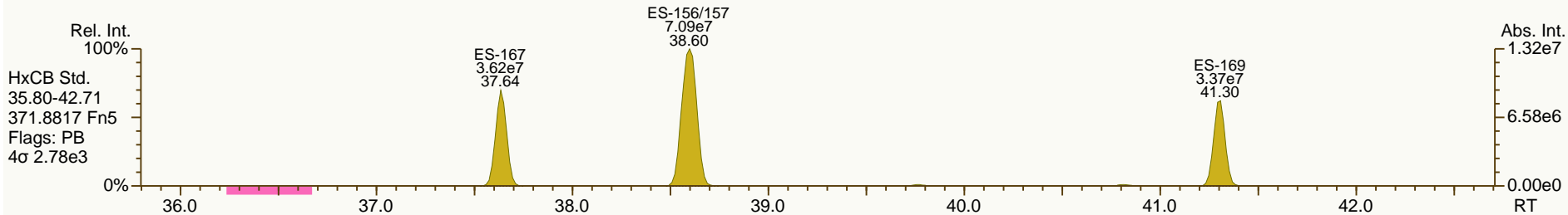
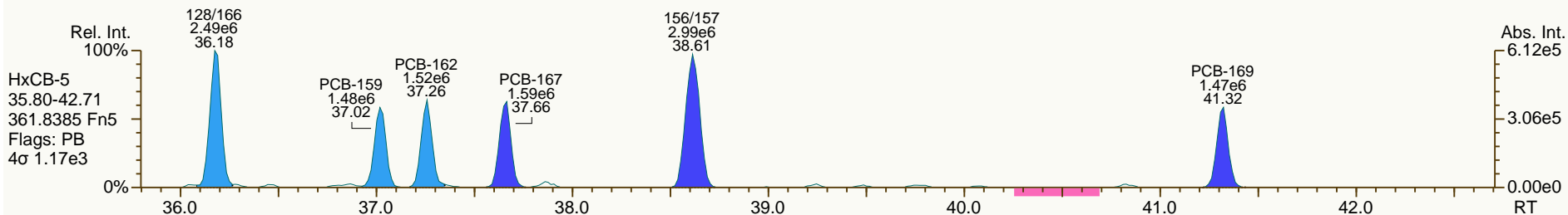
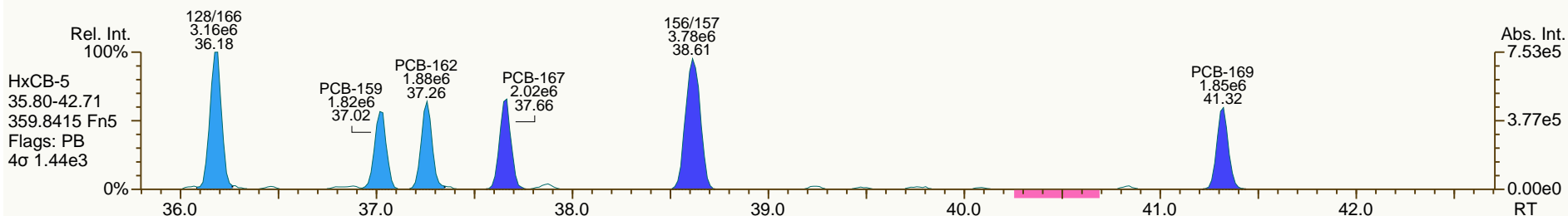


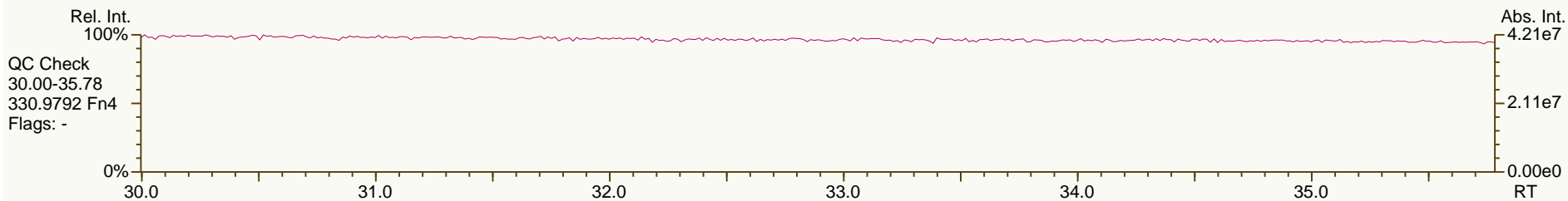
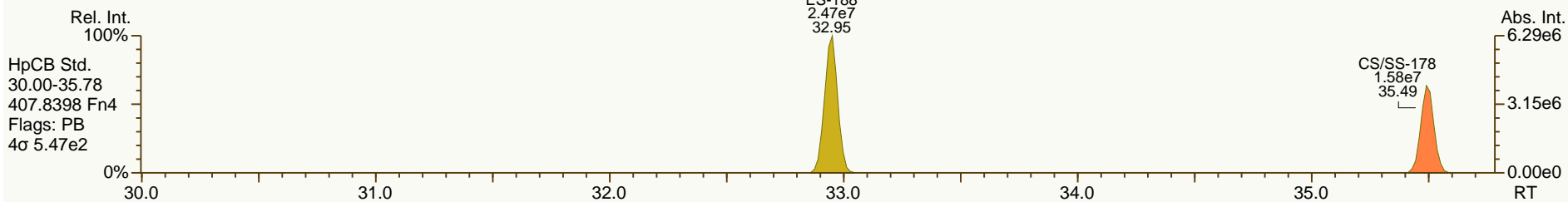
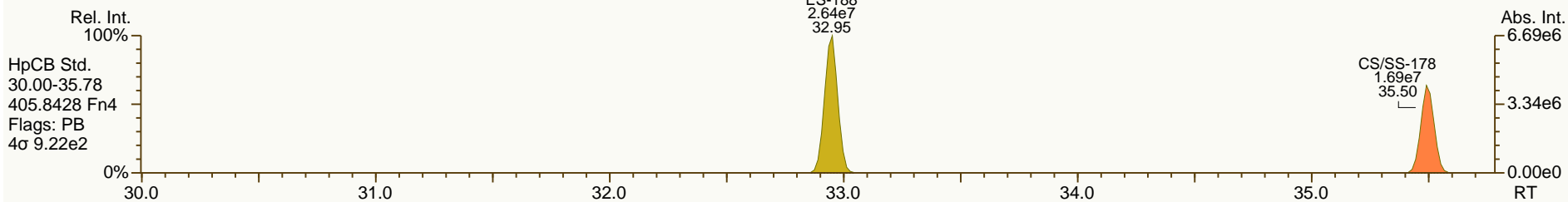
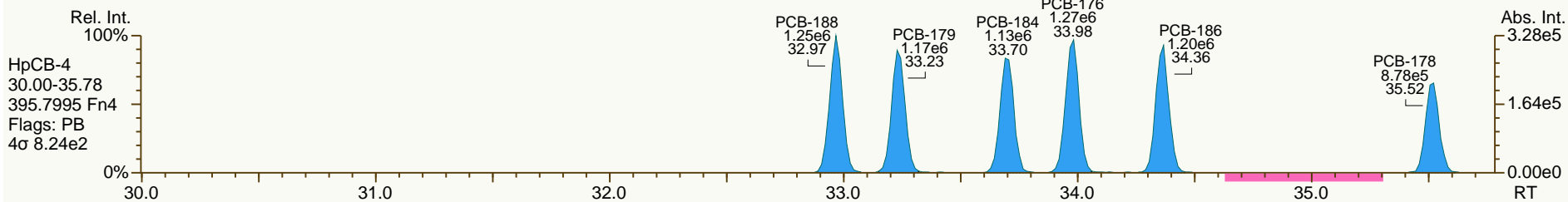
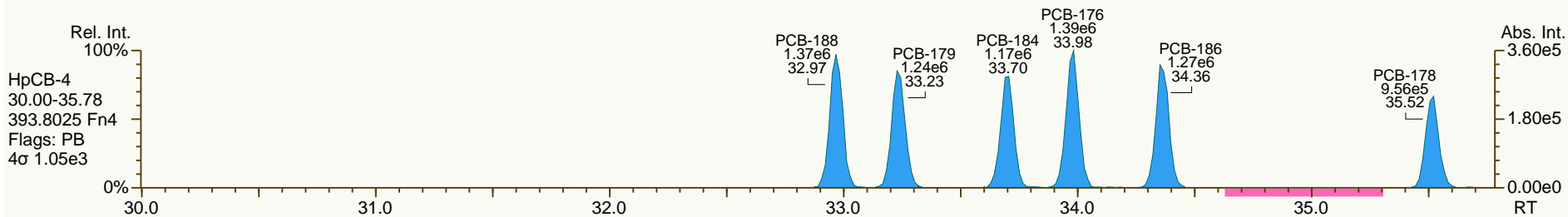


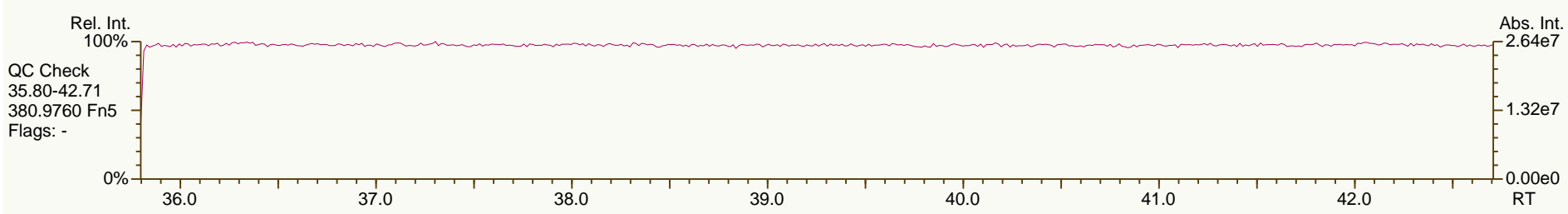
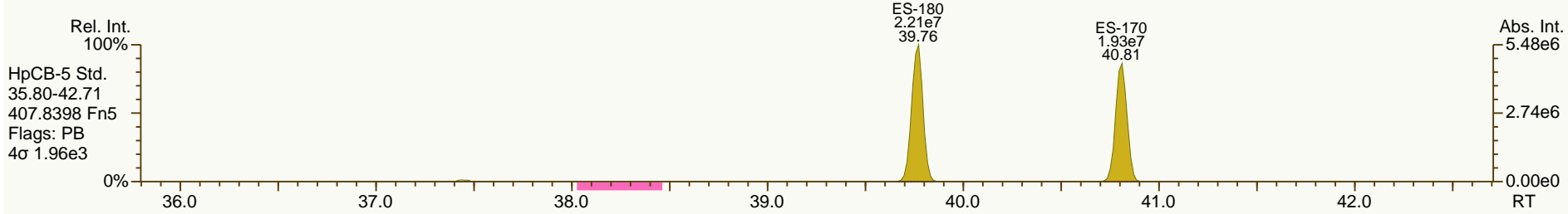
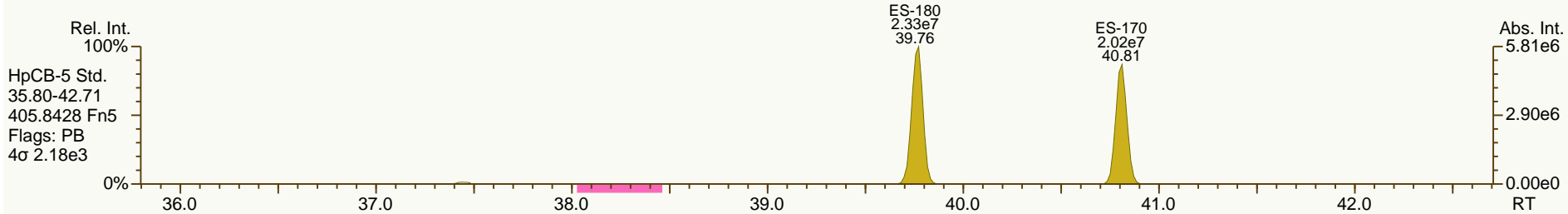
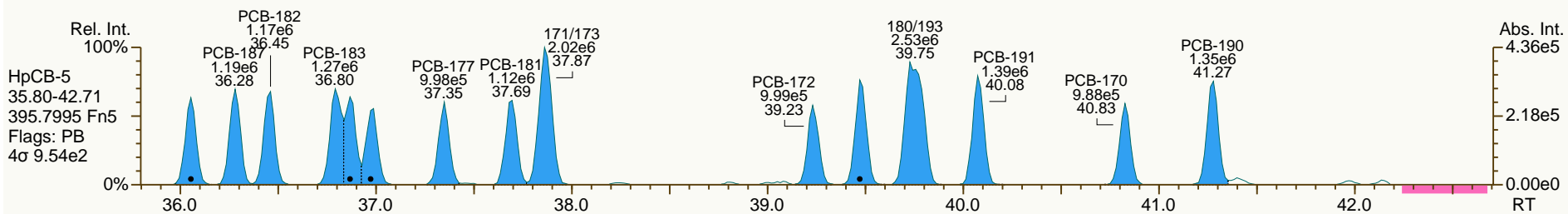
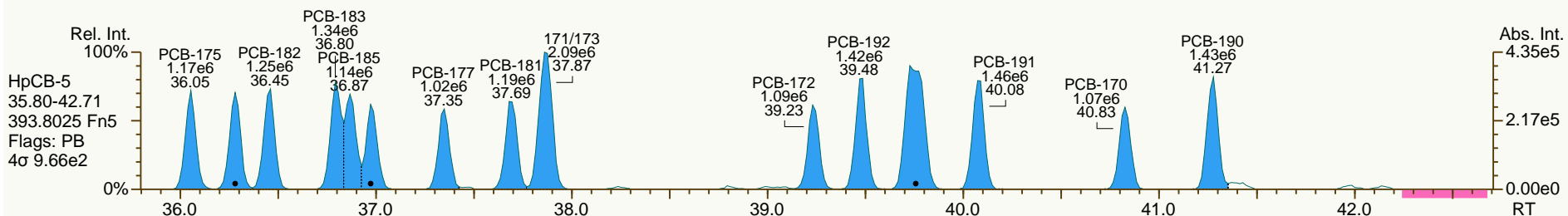


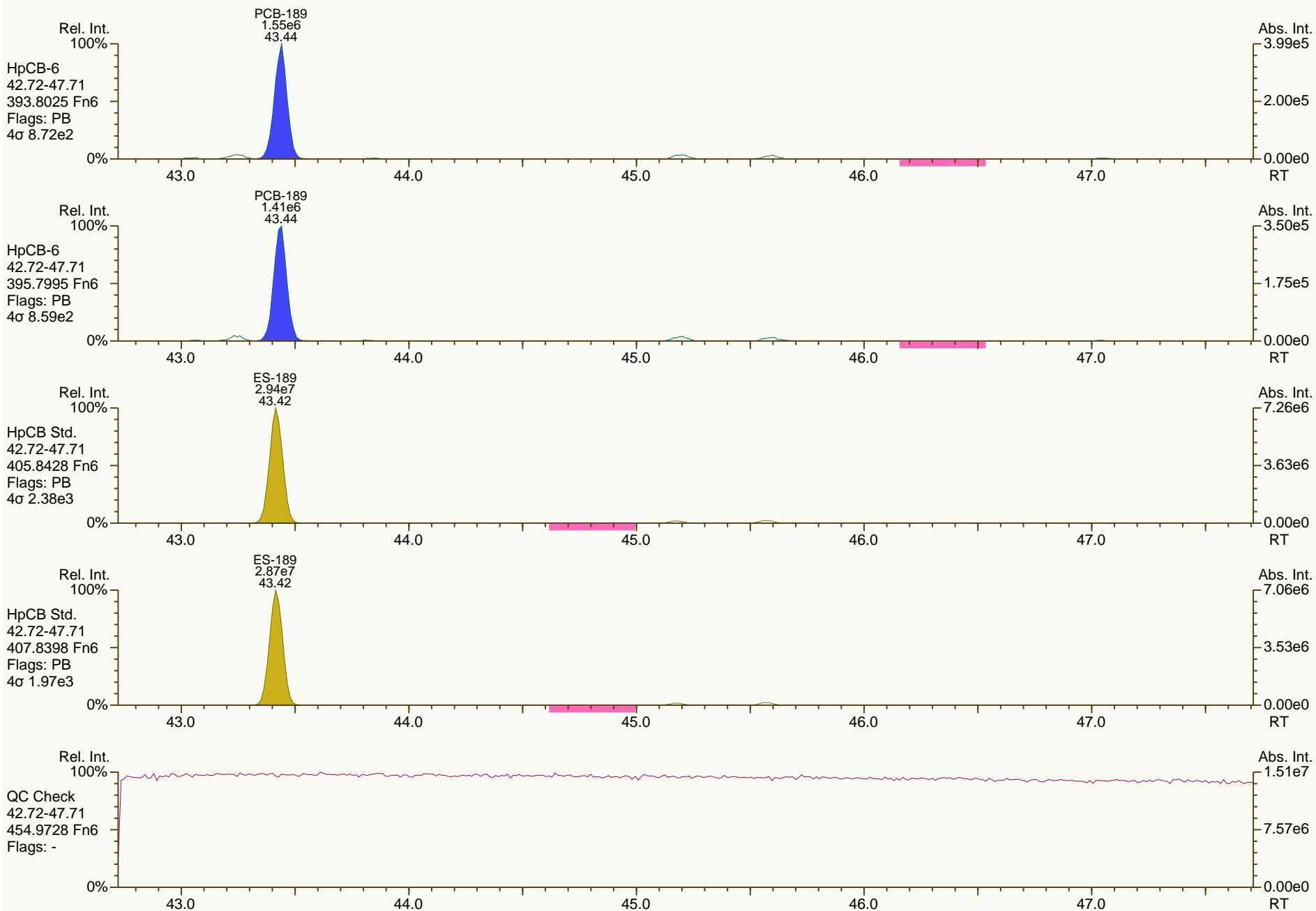




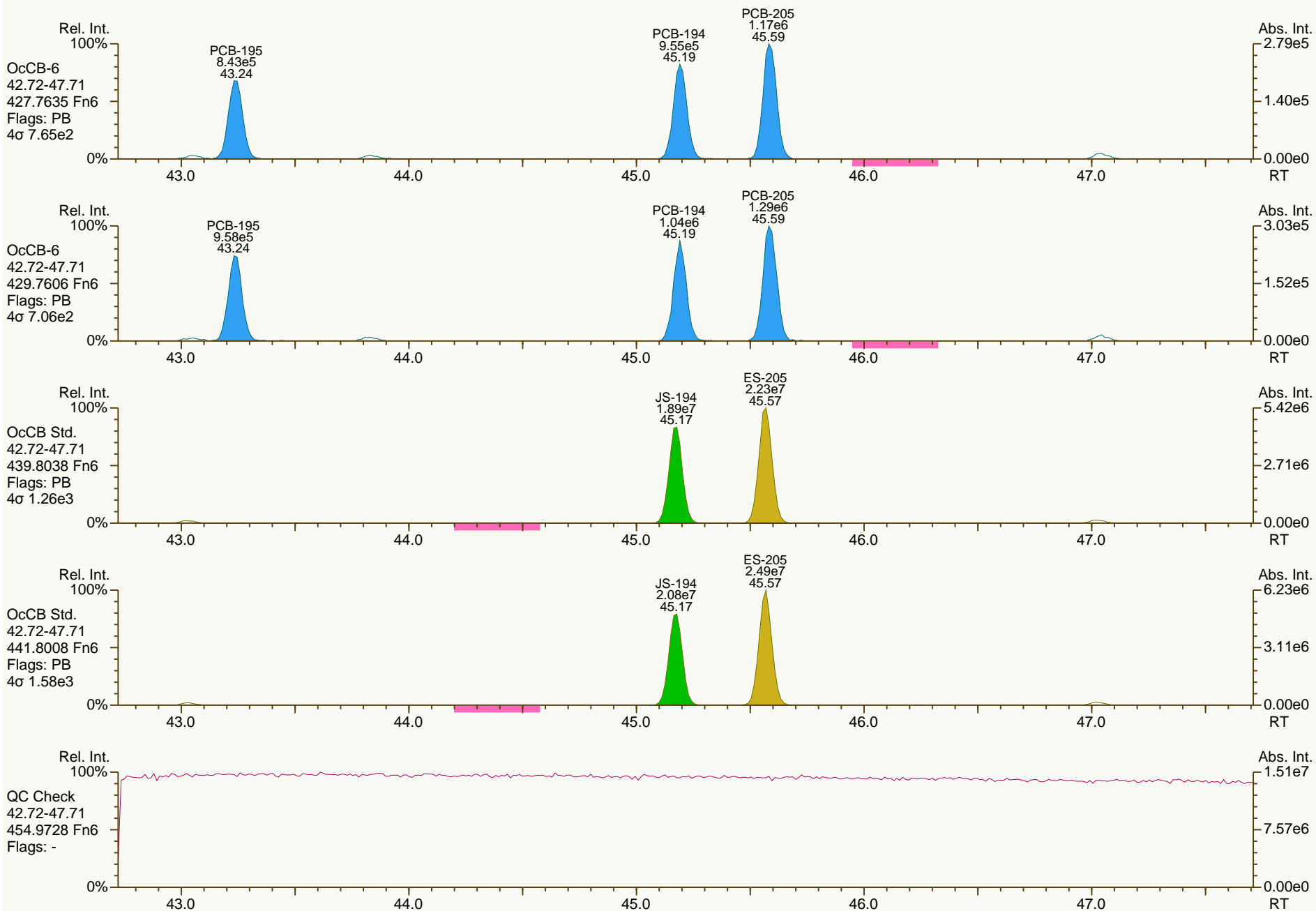




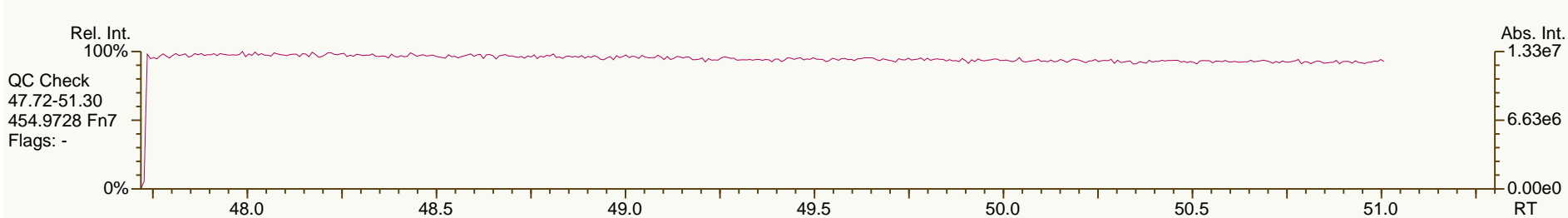
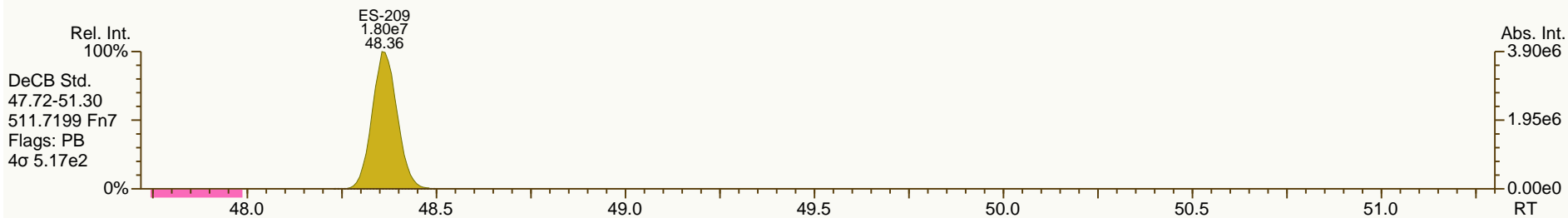
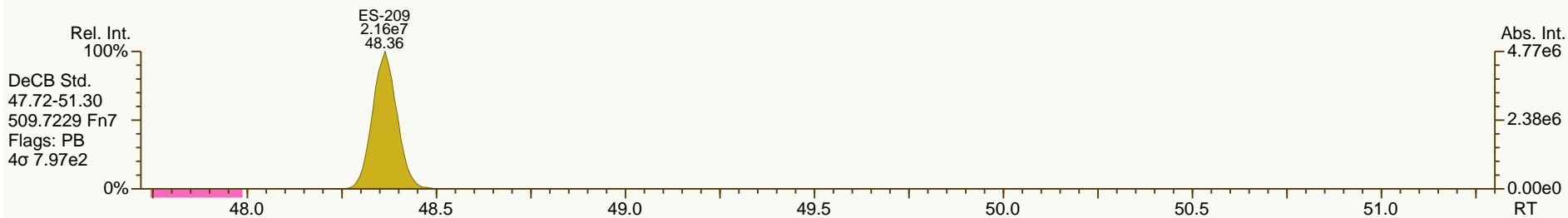
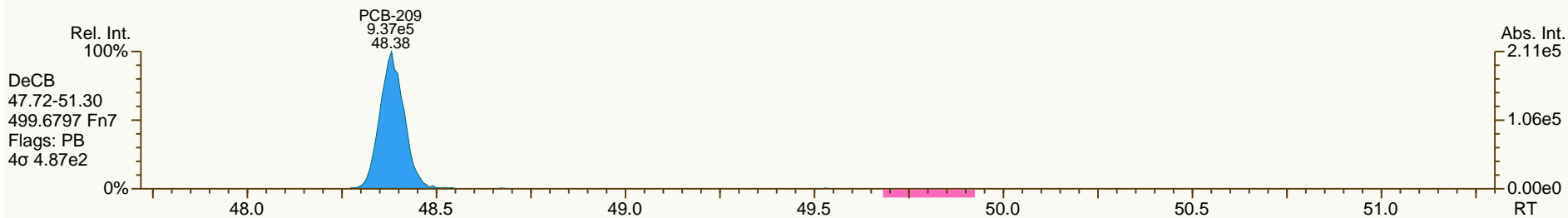
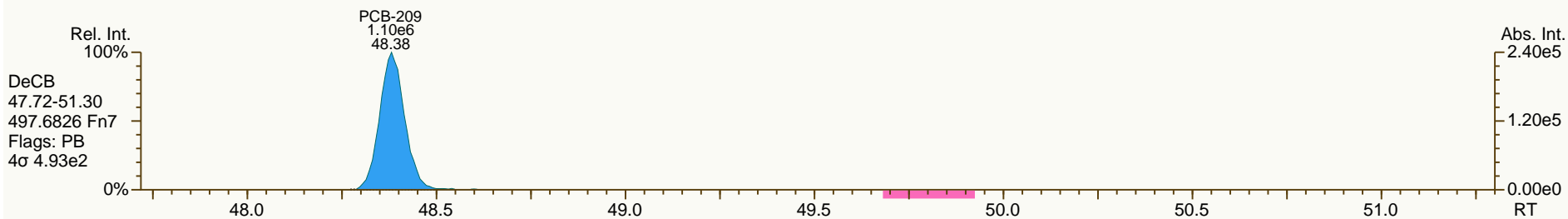












PCB QC Summary

SGS Analytical Perspectives

Printed: 28-Jul-2012 10:13

Lab ID: CS3_120725_PCB_XB
 Acquired: 26-JUL-2012 05:38
 Datafile: 120725X18

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	30.54	4.63E+07	0.78 Y	1.13	1.16	2.5%
PCB-81 344'5'-TeCB	30.07	4.46E+07	0.77 Y	1.13	1.17	3.8%
PCB-105 233'44'-PeCB	33.48	3.82E+07	0.62 Y	1.09	1.14	4.0%
PCB-114 2344'5'-PeCB	32.95	4.13E+07	0.62 Y	1.16	1.22	4.9%
PCB-118 23'44'5'-PeCB	32.50	3.95E+07	0.62 Y	1.11	1.13	1.9%
PCB-123 2'344'5'-PeCB	32.23	3.83E+07	0.62 Y	1.19	1.16	-2.8%
PCB-126 33'44'5'-PeCB	36.07	3.52E+07	0.62 Y	1.06	1.08	1.4%
PCB-156/157 233'44'5'/233'44'5'	38.60	7.30E+07	1.25 Y	1.11	1.13	2.5%
PCB-167 23'44'55'-HxCB	37.64	3.89E+07	1.25 Y	1.14	1.18	4.2%
PCB-169 33'44'55'-HxCB	41.31	3.54E+07	1.25 Y	1.11	1.15	3.2%
PCB-189 233'44'55'-HpCB	43.42	3.22E+07	1.05 Y	1.06	1.08	2.5%
PCB-209 DeCB	48.37	2.17E+07	1.19 Y	1.07	1.09	1.3%
ES PCB-1	10.64	1.20E+08	3.16 Y	1.08	1.08	0.1%
ES PCB-3	12.69	1.20E+08	3.25 Y	1.08	1.08	0.1%
ES PCB-4	12.91	5.40E+07	1.61 Y	0.49	0.49	0.2%
ES PCB-15	18.23	1.22E+08	1.59 Y	1.11	1.11	-0.4%
ES PCB-19	15.75	6.15E+07	1.05 Y	0.55	0.56	0.5%
ES PCB-37	24.31	9.76E+07	1.07 Y	1.64	1.63	-0.4%
ES PCB-54	18.48	5.65E+07	0.77 Y	0.94	0.94	0.3%
ES PCB-77	30.52	7.97E+07	0.80 Y	1.35	1.33	-1.2%
ES PCB-81	30.05	7.63E+07	0.79 Y	1.29	1.27	-1.1%
ES PCB-104	23.27	5.46E+07	1.56 Y	0.99	0.99	-0.5%
ES PCB-105	33.46	6.72E+07	1.62 Y	1.23	1.22	-1.4%
ES PCB-114	32.93	6.79E+07	1.60 Y	1.25	1.23	-1.4%
ES PCB-118	32.48	7.00E+07	1.61 Y	1.28	1.27	-1.1%
ES PCB-123	32.20	6.64E+07	1.62 Y	1.22	1.20	-1.4%
ES PCB-126	36.06	6.54E+07	1.58 Y	1.20	1.19	-1.2%
ES PCB-153	34.06	5.09E+07	1.27 Y	1.14	1.14	0.3%
ES PCB-155	28.12	6.79E+07	1.28 Y	1.50	1.53	2.1%
ES PCB-156/157	38.58	1.29E+08	1.26 Y	1.45	1.45	-0.6%
ES PCB-167	37.62	6.58E+07	1.27 Y	1.49	1.48	-1.0%
ES PCB-169	41.29	6.18E+07	1.26 Y	1.40	1.39	-1.0%
ES PCB-170	40.79	4.01E+07	1.06 Y	1.00	1.01	0.8%
ES PCB-180	39.75	4.70E+07	1.06 Y	1.16	1.18	2.0%
ES PCB-188	32.93	5.30E+07	1.07 Y	1.18	1.19	1.1%
ES PCB-189	43.40	5.95E+07	1.06 Y	1.49	1.50	0.7%
ES PCB-202	37.43	5.04E+07	0.91 Y	1.14	1.13	-0.4%
ES PCB-205	45.55	4.77E+07	0.90 Y	1.20	1.20	-0.2%
ES PCB-206	47.01	3.46E+07	0.78 Y	0.87	0.87	0.2%
ES PCB-208	43.01	4.78E+07	0.80 Y	1.19	1.20	1.1%
ES PCB-209	48.35	4.00E+07	1.19 Y	1.00	1.01	0.4%

PCB QC Summary

SGS Analytical Perspectives

Printed: 28-Jul-2012 10:13

Lab ID: CS3_120725_PCB_XB
 Acquired: 26-JUL-2012 05:38
 Datafile: 120725X18

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	20.88	1.05E+08	1.06 Y	1.07	1.08	0.5%
SS PCB-111	30.57	6.66E+07	1.59 Y	1.01	1.00	-0.1%
SS PCB-178	35.48	3.28E+07	1.04 Y	0.63	0.62	-1.3%
CS PCB-28	20.88	1.05E+08	1.06 Y	1.76	1.76	0.2%
CS PCB-111	30.57	6.66E+07	1.59 Y	1.23	1.21	-1.5%
CS PCB-178	35.48	3.28E+07	1.04 Y	0.74	0.74	-0.2%
JS PCB-9	14.74	1.10E+08	1.58 Y	-	-	-
JS PCB-52	22.45	5.99E+07	0.82 Y	-	-	-
JS PCB-101	28.30	5.52E+07	1.58 Y	-	-	-
JS PCB-138	35.09	4.45E+07	1.27 Y	-	-	-
JS PCB-194	45.16	3.97E+07	0.90 Y	-	-	-
PCB-1 2-MoCB	10.65	6.48E+07	3.19 Y	1.03	1.08	5.0%
PCB-3 4-MoCB	12.70	6.51E+07	3.18 Y	1.04	1.09	4.3%
PCB-4 22'-DiCB	12.93	3.30E+07	1.62 Y	1.17	1.22	4.3%
PCB-15 44'-DiCB	18.25	6.74E+07	1.58 Y	1.08	1.10	2.1%
PCB-19 22'6'-TrCB	15.76	3.50E+07	1.07 Y	1.09	1.14	4.3%
PCB-37 344'-TrCB	24.33	5.55E+07	1.04 Y	1.10	1.14	2.9%
PCB-54 22'66'-TeCB	18.50	3.58E+07	0.79 Y	1.21	1.27	4.8%
PCB-104 22'466'-PeCB	23.29	3.59E+07	0.63 Y	1.25	1.32	5.0%
PCB-153 22'44'55'-HxCB	34.10	6.50E+07	1.27 Y	1.22	1.28	4.7%
PCB-155 22'44'66'-HxCB	28.14	3.83E+07	1.27 Y	1.09	1.13	3.3%
PCB-170 22'33'44'5'-HpCB	40.81	2.24E+07	1.03 Y	1.07	1.12	4.0%
PCB-180 22'344'55'-HpCB	39.74	5.59E+07	1.05 Y	1.16	1.19	2.8%
PCB-188 22'34'566'-HpCB	32.95	2.85E+07	1.06 Y	1.03	1.08	4.1%
PCB-202 22'33'55'66'-OcCB	37.45	2.39E+07	0.90 Y	0.91	0.95	3.9%
PCB-205 233'44'55'6'-OcCB	45.57	2.66E+07	0.89 Y	1.09	1.11	2.4%
PCB-208 22'33'455'66'-NoCB	43.03	2.52E+07	0.78 Y	1.02	1.06	3.8%
PCB-206 22'33'44'55'6'-NoCB	47.03	1.75E+07	0.77 Y	0.98	1.01	3.6%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

Lab ID: CS3_120725_PCB_XB
 Acquired: 26-JUL-2012 05:38
 Datafile: 120725X18

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.65	6.48E+07	3.19 Y	1.03	1.08	5.0%
PCB-2 3-MoCB	12.54	6.51E+07	3.23 Y	1.04	1.09	4.4%
PCB-3 4-MoCB	12.70	6.51E+07	3.18 Y	1.04	1.09	4.3%
PCB-4 22'-DiCB	12.93	3.30E+07	1.62 Y	1.17	1.22	4.3%
PCB-10 26-DiCB	13.09	5.16E+07	1.60 Y	1.83	1.91	4.4%
PCB-9 25-DiCB	14.75	5.79E+07	1.60 Y	0.89	0.95	6.0%
PCB-7 24-DiCB	14.91	6.59E+07	1.60 Y	1.02	1.08	5.3%
PCB-6 23'-DiCB	15.11	6.19E+07	1.61 Y	0.95	1.01	6.9%
PCB-5 23-DiCB	15.39	6.27E+07	1.58 Y	0.97	1.03	5.6%
PCB-8 24'-DiCB	15.50	6.34E+07	1.58 Y	0.98	1.04	5.6%
PCB-14 35-DiCB	16.97	7.41E+07	1.58 Y	1.16	1.21	4.8%
PCB-11 33'-DiCB	17.70	6.40E+07	1.59 Y	1.00	1.05	5.0%
PCB-13/12 34'-/34-DiCB	17.98	1.31E+08	1.58 Y	1.02	1.07	5.1%
PCB-15 44'-DiCB	18.25	6.74E+07	1.58 Y	1.08	1.10	2.1%
PCB-19 22'6-TrCB	15.76	3.50E+07	1.07 Y	1.09	1.14	4.3%
PCB-30/18 246-/22'5-TrCB	17.43	9.40E+07	1.07 Y	1.46	1.53	4.7%
PCB-17 22'4-TrCB	17.80	4.05E+07	1.07 Y	1.25	1.32	5.3%
PCB-27 23'6-TrCB	17.99	5.38E+07	1.06 Y	1.69	1.75	3.4%
PCB-24 236-TrCB	18.11	5.16E+07	1.06 Y	1.63	1.68	2.8%
PCB-16 22'3-TrCB	18.19	3.16E+07	1.07 Y	0.95	1.03	7.9%
PCB-32 24'6-TrCB	18.66	5.72E+07	1.06 Y	1.79	1.86	4.1%
PCB-34 2'35-TrCB	19.77	5.37E+07	1.04 Y	1.05	1.10	5.1%
PCB-23 235-TrCB	19.91	5.44E+07	1.04 Y	1.06	1.11	5.4%
PCB-26/29 23'5-/245-TrCB	20.18	1.11E+08	1.04 Y	1.09	1.14	4.8%
PCB-25 23'4-TrCB	20.37	5.54E+07	1.04 Y	1.07	1.14	5.6%
PCB-31 24'5-TrCB	20.64	5.71E+07	1.05 Y	1.11	1.17	5.3%
PCB-28/20 244'-/233'-TrCB	20.90	1.09E+08	1.04 Y	1.07	1.12	4.5%
PCB-21/33 234-/2'34-TrCB	21.07	1.12E+08	1.04 Y	1.09	1.15	5.0%
PCB-22 234'-TrCB	21.44	5.20E+07	1.05 Y	1.02	1.07	5.0%
PCB-36 33'5-TrCB	22.79	5.71E+07	1.05 Y	1.13	1.17	3.7%
PCB-39 34'5-TrCB	23.10	5.96E+07	1.04 Y	1.17	1.22	4.8%
PCB-38 345-TrCB	23.60	5.33E+07	1.05 Y	1.03	1.09	5.8%
PCB-35 33'4-TrCB	23.98	5.24E+07	1.03 Y	1.04	1.07	3.3%
PCB-37 344'-TrCB	24.33	5.55E+07	1.04 Y	1.10	1.14	2.9%
PCB-54 22'66'-TeCB	18.50	3.58E+07	0.79 Y	1.21	1.27	4.8%
PCB-50/53 22'46-/22'56'TeCB	20.41	6.93E+07	0.79 Y	0.86	0.91	6.1%
PCB-45 22'36'-TeCB	20.97	3.01E+07	0.79 Y	0.73	0.79	7.9%
PCB-51 22'46'-TeCB	21.04	3.52E+07	0.80 Y	0.88	0.92	5.1%
PCB-46 22'36'-TeCB	21.23	2.82E+07	0.78 Y	0.70	0.74	6.5%
PCB-52 22'55'-TeCB	22.47	3.39E+07	0.78 Y	0.84	0.89	5.6%
PCB-73 23'5'6TeCB	22.59	4.36E+07	0.79 Y	1.09	1.14	4.8%
PCB-43 22'35'-TeCB	22.68	2.98E+07	0.79 Y	0.72	0.78	8.0%
PCB-69/49 23'46-/22'45'TeCB	22.87	8.21E+07	0.79 Y	1.01	1.08	6.2%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

Lab ID: CS3_120725_PCB_XB
 Acquired: 26-JUL-2012 05:38
 Datafile: 120725X18

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.14	3.42E+07	0.79 Y	0.85	0.90	5.4%
PCB-44/47/65 22'35'-/22'44'-	23.35	1.08E+08	0.79 Y	0.89	0.95	6.4%
PCB-59/62/75 233'6-/2346-/24	23.62	1.40E+08	0.80 Y	1.14	1.22	7.3%
PCB-42 22'34'-TeCB	23.77	3.12E+07	0.79 Y	0.77	0.82	5.9%
PCB-41 22'34'-TeCB	24.09	2.84E+07	0.79 Y	0.73	0.75	2.6%
PCB-71/40 23'4'6/22'33'-TeCB	24.19	7.05E+07	0.79 Y	0.87	0.92	6.7%
PCB-64 234'6'-TeCB	24.39	4.94E+07	0.79 Y	1.24	1.29	4.7%
PCB-72 23'55'-TeCB	25.11	4.61E+07	0.78 Y	1.14	1.21	5.7%
PCB-68 23'45'-TeCB	25.36	4.83E+07	0.79 Y	1.21	1.27	4.6%
PCB-57 233'5'-TeCB	25.71	4.48E+07	0.79 Y	1.11	1.18	6.4%
PCB-58 233'5'-TeCB	25.91	4.45E+07	0.79 Y	1.10	1.17	6.1%
PCB-67 23'45'-TeCB	26.06	4.63E+07	0.77 Y	1.16	1.21	4.5%
PCB-63 234'5'-TeCB	26.28	4.93E+07	0.78 Y	1.22	1.29	6.4%
PCB-61/70/74/76 2345-/23'4'5	26.56	1.83E+08	0.78 Y	1.13	1.20	5.9%
PCB-66 23'44'-TeCB	26.84	4.32E+07	0.78 Y	1.08	1.13	5.4%
PCB-55 233'4'-TeCB	26.97	4.39E+07	0.78 Y	1.10	1.15	5.0%
PCB-56 233'4'-TeCB	27.40	4.26E+07	0.78 Y	1.06	1.12	5.8%
PCB-60 2344'-TeCB	27.59	4.44E+07	0.78 Y	1.11	1.16	4.7%
PCB-80 33'55'-TeCB	27.94	5.03E+07	0.79 Y	1.25	1.32	5.3%
PCB-79 33'45'-TeCB	29.23	5.00E+07	0.78 Y	1.23	1.31	6.3%
PCB-78 33'45'-TeCB	29.70	4.27E+07	0.78 Y	1.08	1.12	3.7%
PCB-104 22'466'-PeCB	23.29	3.59E+07	0.63 Y	1.25	1.32	5.0%
PCB-96 22'366'-PeCB	23.59	3.10E+07	0.64 Y	1.08	1.14	5.7%
PCB-103 22'45'6'-PeCB	25.27	3.14E+07	0.63 Y	0.90	0.95	5.0%
PCB-94 22'356'-PeCB	25.44	2.75E+07	0.62 Y	0.78	0.83	6.8%
PCB-95 22'35'6'-PeCB	25.81	2.93E+07	0.62 Y	0.83	0.88	7.1%
PCB-100/93 22'44'6-/22'356-P	26.02	6.08E+07	0.62 Y	0.84	0.92	8.6%
PCB-102 22'456'-PeCB	26.13	3.09E+07	0.62 Y	0.90	0.93	3.4%
PCB-98 22'3'46'-PeCB	26.19	2.73E+07	0.62 Y	0.77	0.82	6.4%
PCB-88 22'346'-PeCB	26.48	2.77E+07	0.61 Y	0.79	0.84	5.4%
PCB-91 22'34'6'-PeCB	26.55	3.08E+07	0.63 Y	0.88	0.93	5.4%
PCB-84 22'33'6'-PeCB	26.73	2.50E+07	0.63 Y	0.71	0.75	6.3%
PCB-89 22'346'-PeCB	27.14	2.67E+07	0.62 Y	0.76	0.81	5.9%
PCB-121 23'45'6'-PeCB	27.52	3.99E+07	0.62 Y	1.14	1.20	5.1%
PCB-92 22'355'-PeCB	27.82	2.81E+07	0.62 Y	0.80	0.85	5.7%
PCB-113/90/101 233'5'6-/22'3	28.29	9.82E+07	0.62 Y	0.93	0.99	5.5%
PCB-83 22'33'5'-PeCB	28.71	2.51E+07	0.61 Y	0.71	0.76	6.1%
PCB-99 22'44'5'-PeCB	28.81	3.04E+07	0.62 Y	0.87	0.92	5.0%
PCB-112 233'56'-PeCB	28.91	3.83E+07	0.63 Y	1.13	1.16	2.6%
PCB-108/119/86/97/125/87 233	29.24	1.99E+08	0.62 Y	0.95	1.00	5.5%
PCB-117 234'56'-PeCB	29.77	3.45E+07	0.62 Y	1.04	1.04	0.1%
PCB-116/85 23456-/22'344'-Pe	29.85	6.84E+07	0.63 Y	0.97	1.03	6.0%
PCB-110 233'4'6'-PeCB	29.97	3.56E+07	0.62 Y	1.02	1.07	4.9%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

Lab ID: CS3_120725_PCB_XB
 Acquired: 26-JUL-2012 05:38
 Datafile: 120725X18

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6-PeCB	30.05	3.95E+07	0.63 Y	1.16	1.19	2.8%
PCB-82 22'33'4-PeCB	30.24	2.40E+07	0.62 Y	0.69	0.72	4.9%
PCB-111 233'55'-PeCB	30.59	4.00E+07	0.62 Y	1.15	1.21	4.5%
PCB-120 23'455'-PeCB	30.98	4.00E+07	0.62 Y	1.16	1.20	3.8%
PCB-107/124 233'4'5'-/2'3455'	31.92	7.50E+07	0.62 Y	1.07	1.13	5.3%
PCB-109 233'46-PeCB	32.13	4.08E+07	0.62 Y	1.14	1.23	7.6%
PCB-106 233'45-PeCB	32.33	3.79E+07	0.62 Y	1.07	1.14	6.7%
PCB-122 2'33'45-PeCB	32.78	3.53E+07	0.62 Y	1.00	1.04	3.8%
PCB-127 33'455'-PeCB	34.73	3.83E+07	0.63 Y	1.10	1.14	3.7%
PCB-155 22'44'66'-HxCB	28.14	3.83E+07	1.27 Y	1.09	1.13	3.3%
PCB-152 22'3566'-HxCB	28.28	3.56E+07	1.25 Y	1.01	1.05	3.4%
PCB-150 22'34'66'-HxCB	28.43	3.62E+07	1.26 Y	1.00	1.07	6.1%
PCB-136 22'33'66'-HxCB	28.72	3.36E+07	1.29 Y	0.95	0.99	3.7%
PCB-145 22'3466'HxCB	28.99	3.41E+07	1.28 Y	0.96	1.00	4.4%
PCB-148 22'34'56'-HxCB	30.27	2.59E+07	1.26 Y	0.97	1.02	5.0%
PCB-151/135 22'355'6-/22'33'	30.77	5.08E+07	1.26 Y	0.96	1.00	3.6%
PCB-154 22'44'5'6-HxCB	30.99	2.89E+07	1.24 Y	1.09	1.14	4.3%
PCB-144 22'345'6-HxCB	31.24	2.61E+07	1.29 Y	0.98	1.03	4.6%
PCB-147/149 22'34'56-/22'34'	31.54	5.27E+07	1.27 Y	0.99	1.03	5.0%
PCB-134 22'33'56-HxCB	31.70	2.09E+07	1.26 Y	0.80	0.82	2.8%
PCB-143 22'3456'-HxCB	31.78	2.52E+07	1.27 Y	0.95	0.99	3.6%
PCB-139/140 22'344'6-/22'344'	32.05	5.33E+07	1.27 Y	1.00	1.05	4.8%
PCB-131 22'33'46-HxCB	32.21	2.26E+07	1.27 Y	0.85	0.89	4.7%
PCB-142 22'3456-HxCB	32.34	2.31E+07	1.28 Y	0.87	0.91	3.8%
PCB-132 22'33'46'-HxCB	32.58	2.37E+07	1.26 Y	0.89	0.93	4.7%
PCB-133 22'33'55'-HxCB	33.02	2.44E+07	1.25 Y	0.91	0.96	4.9%
PCB-165 233'55'6-HxCB	33.35	3.01E+07	1.27 Y	1.13	1.18	4.4%
PCB-146 22'34'55'-HxCB	33.56	2.62E+07	1.23 Y	1.01	1.03	2.1%
PCB-161 233'45'6-HxCB	33.68	3.40E+07	1.30 Y	1.25	1.33	6.5%
PCB-153/168 22'44'55'-/23'44'	34.10	6.50E+07	1.27 Y	1.22	1.28	4.7%
PCB-141 22'3455'-HxCB	34.24	2.45E+07	1.26 Y	0.93	0.96	3.9%
PCB-130 22'33'45'-HxCB	34.57	2.22E+07	1.25 Y	0.85	0.87	2.9%
PCB-137 22'344'5-HxCB	34.77	2.82E+07	1.26 Y	1.04	1.11	6.4%
PCB-164 233'4'5'6-HxCB	34.85	3.12E+07	1.27 Y	1.22	1.23	0.4%
PCB-163/138/129 233'4'56-/22'	35.14	8.17E+07	1.27 Y	1.02	1.07	4.6%
PCB-160 233'456-HxCB	35.26	3.15E+07	1.26 Y	1.21	1.24	2.6%
PCB-158 233'44'6-HxCB	35.45	3.50E+07	1.27 Y	1.34	1.38	3.0%
PCB-128/166 22'33'44'-/2344'5	36.17	6.11E+07	1.26 Y	0.90	0.93	3.4%
PCB-159 233'455'-HxCB	37.01	3.64E+07	1.25 Y	1.06	1.11	4.1%
PCB-162 233'4'55'-HxCB	37.24	3.67E+07	1.24 Y	1.08	1.12	3.9%
PCB-188 22'34'566'-HpCB	32.95	2.85E+07	1.06 Y	1.03	1.08	4.1%
PCB-179 22'33'566'-HpCB	33.22	2.67E+07	1.05 Y	0.97	1.01	4.1%
PCB-184 22'344'66'-HpCB	33.68	2.58E+07	1.05 Y	0.93	0.97	4.5%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

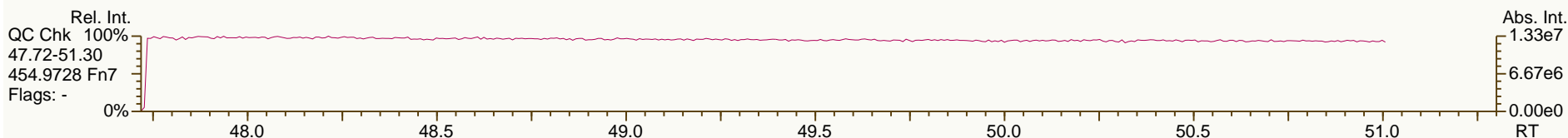
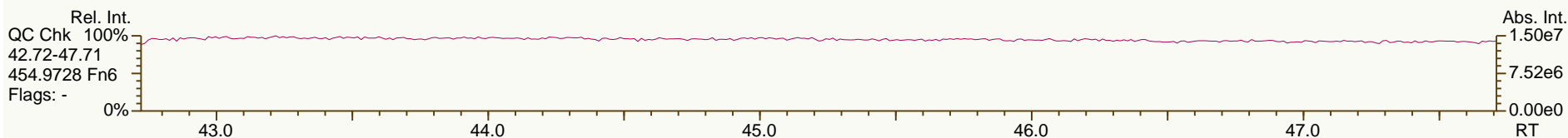
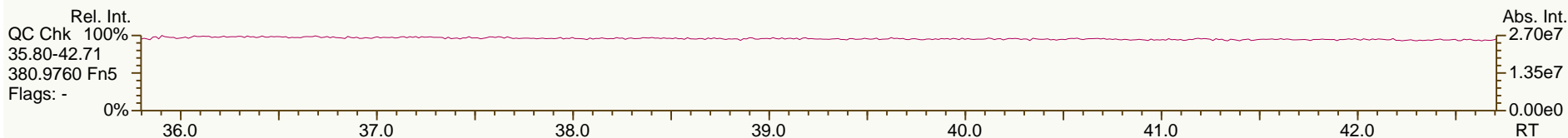
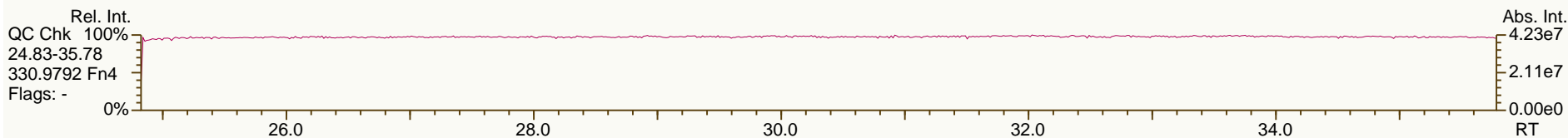
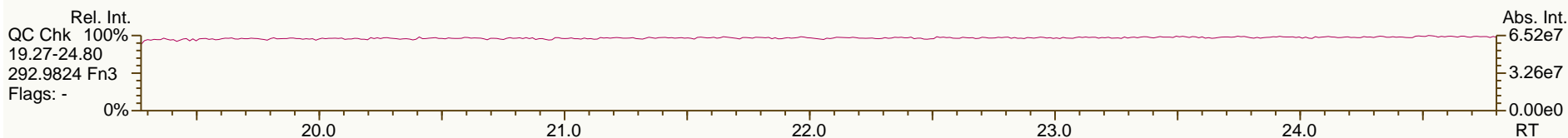
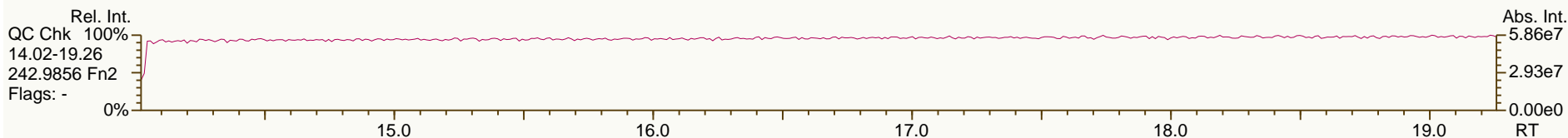
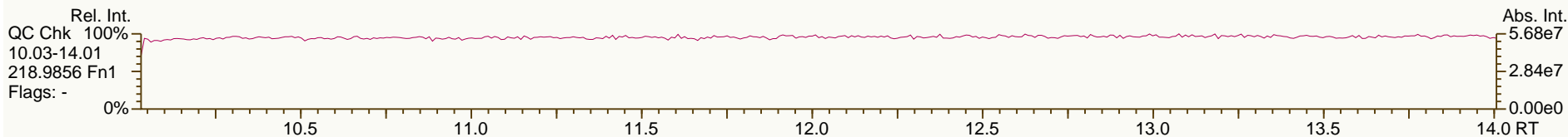
Lab ID: CS3_120725_PCB_XB

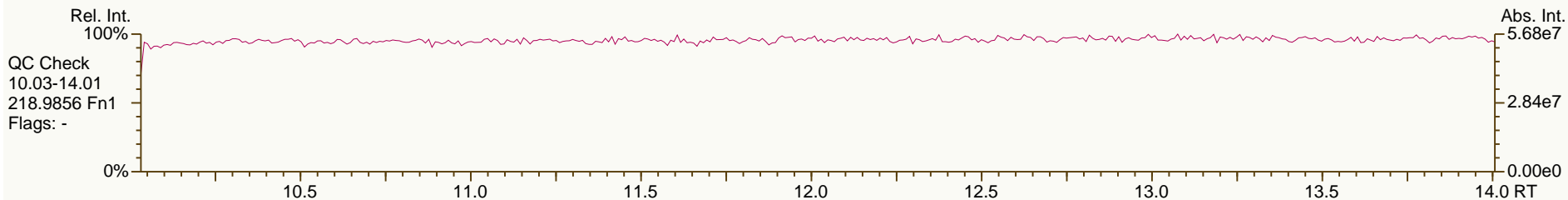
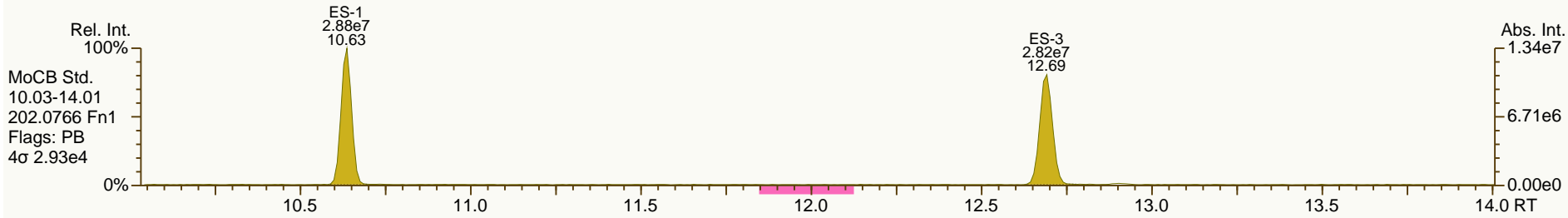
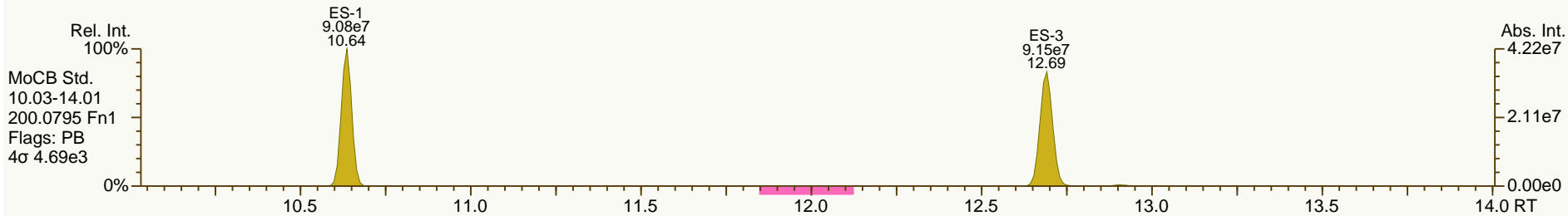
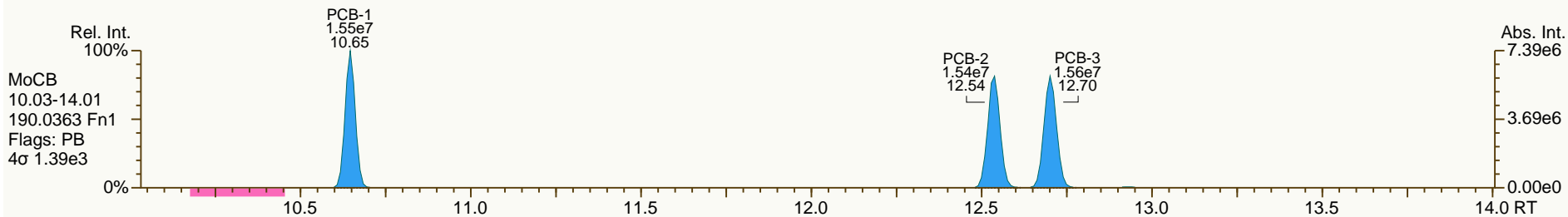
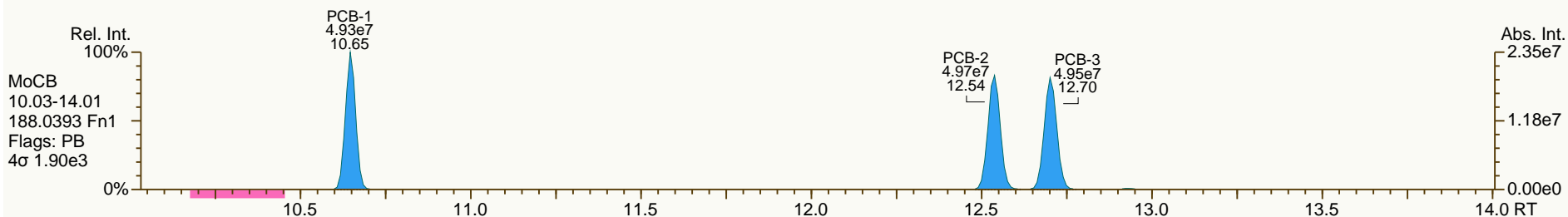
ICAL: MM7_PCB_07132012_25JUL12

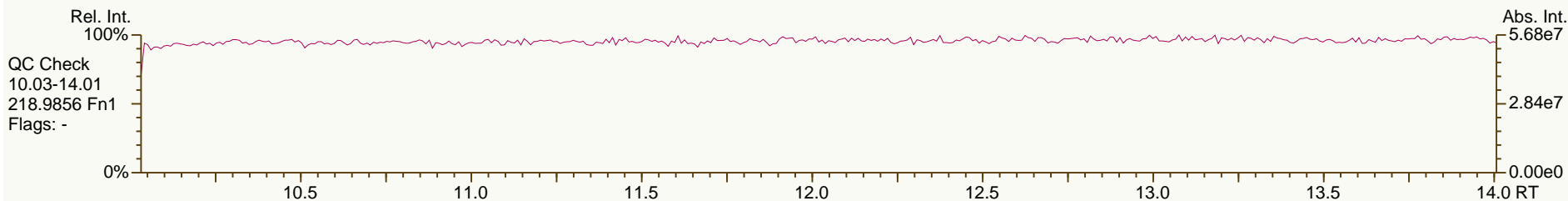
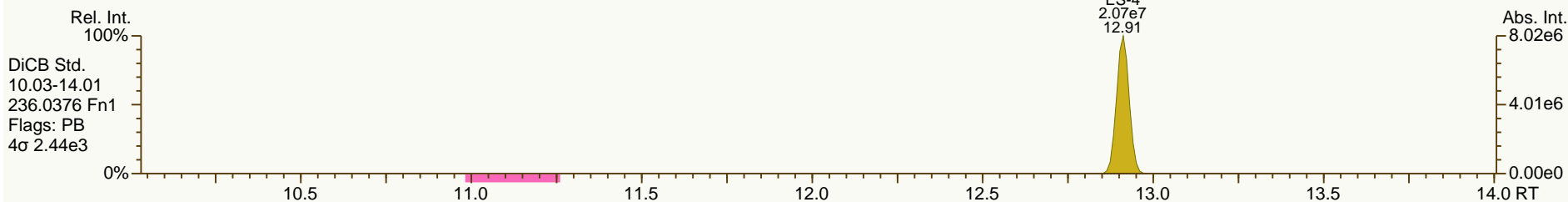
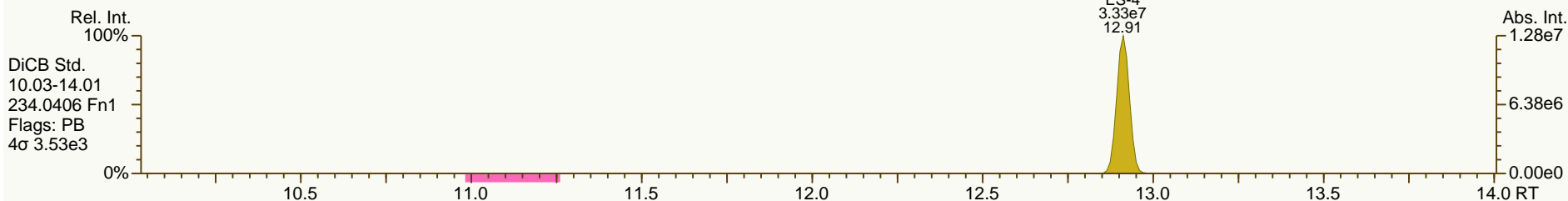
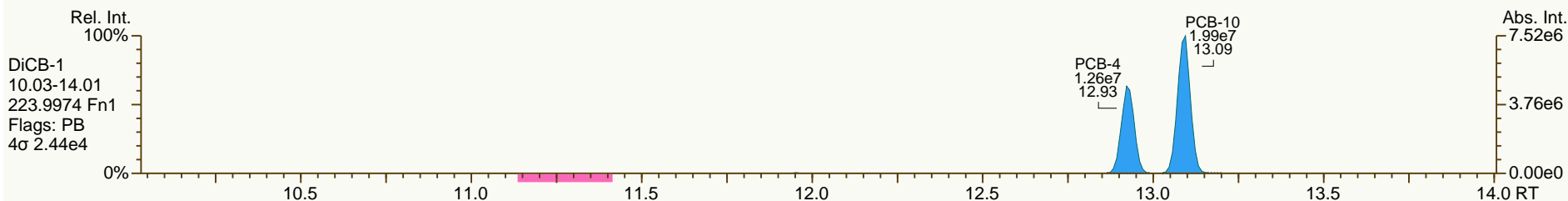
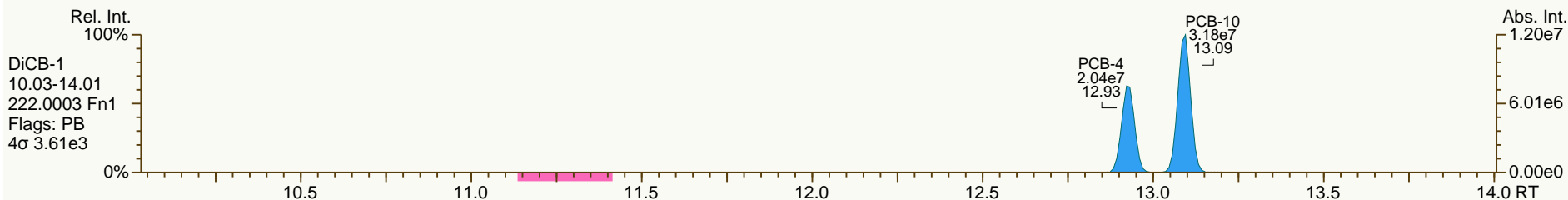
Acquired: 26-JUL-2012 05:38

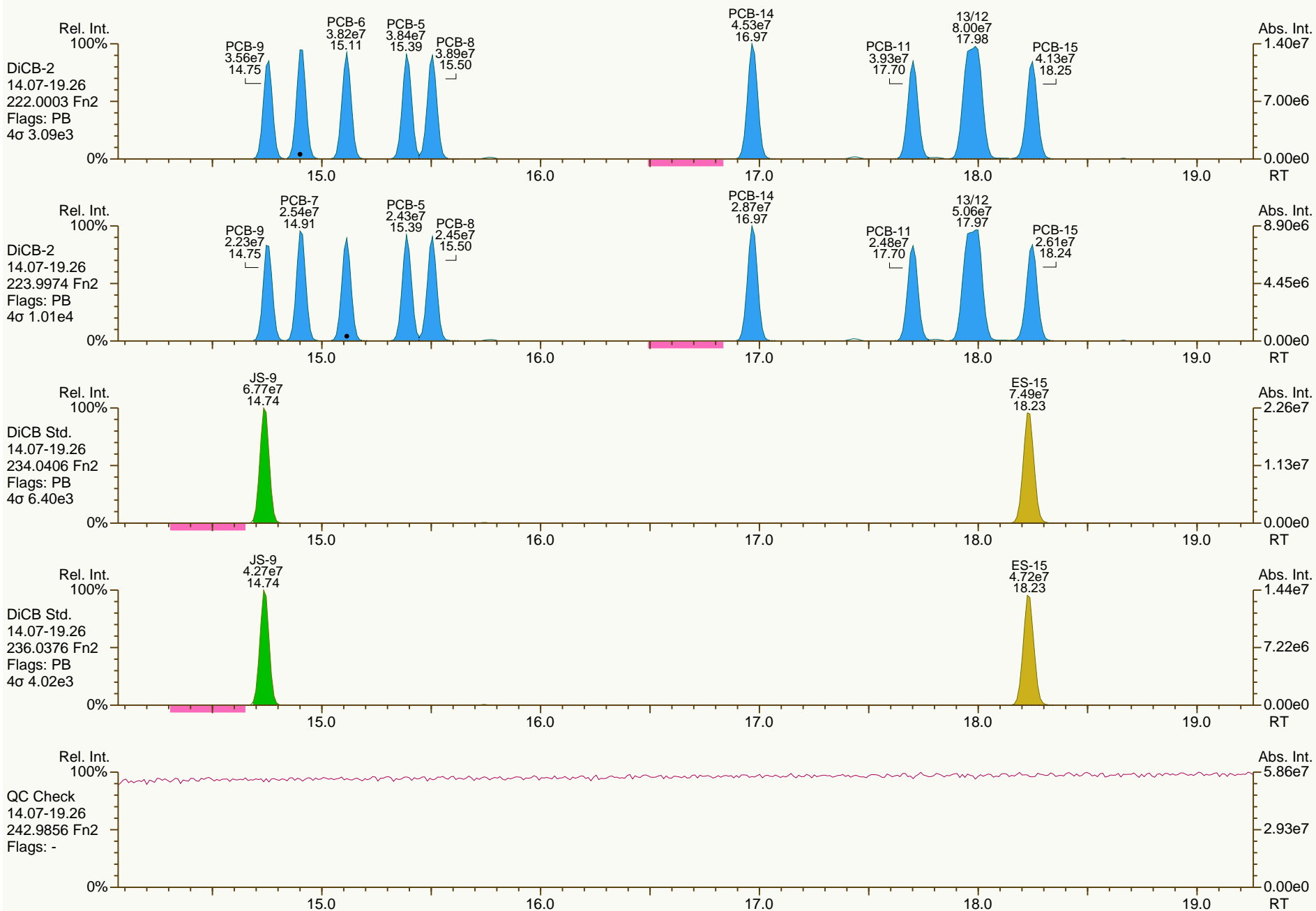
Datafile: 120725X18

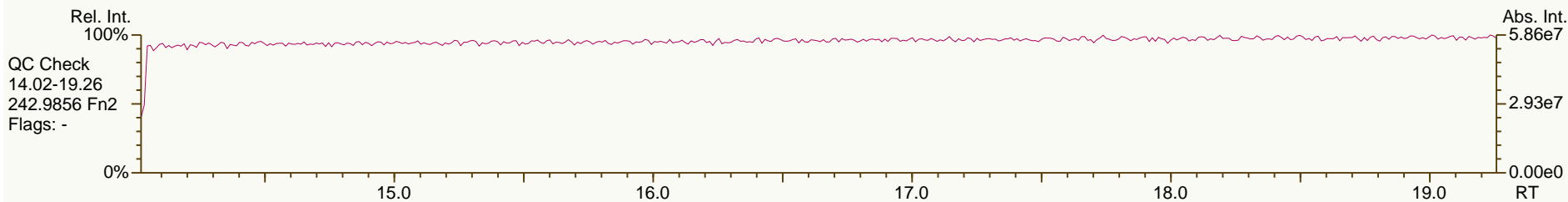
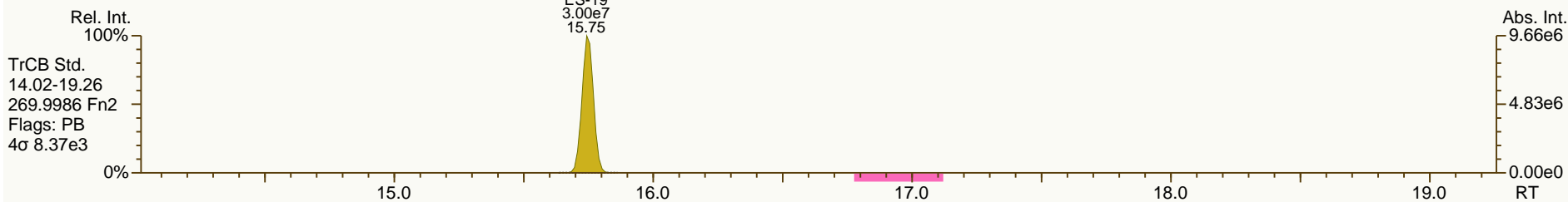
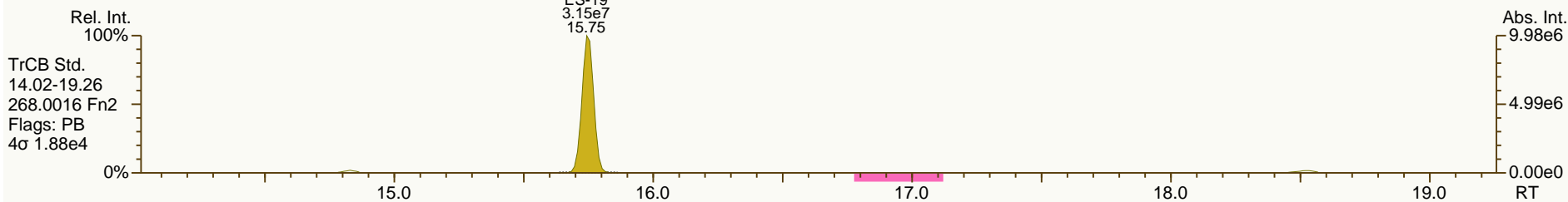
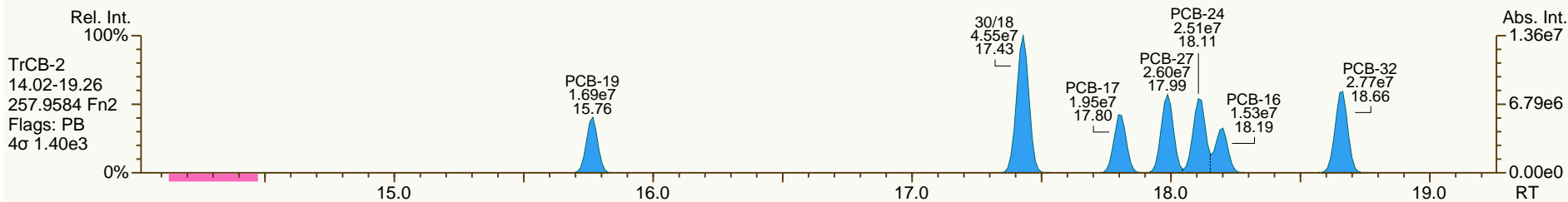
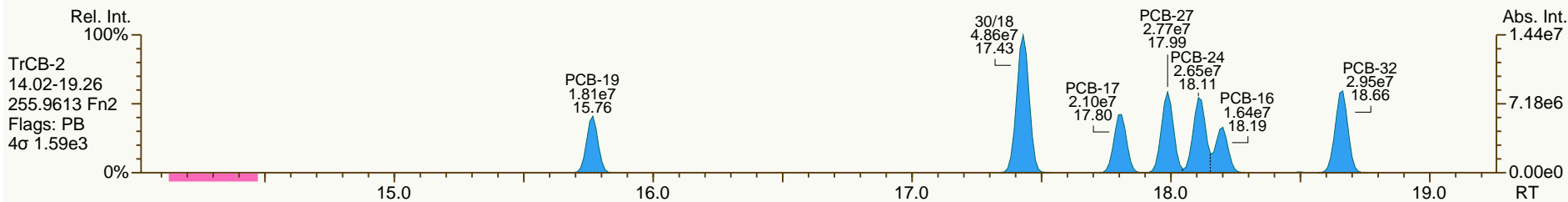
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-176 22'33'466'-HpCB	33.96	2.89E+07	1.07 Y	1.05	1.09	4.0%
PCB-186 22'34566'-HpCB	34.35	2.69E+07	1.05 Y	0.98	1.02	3.6%
PCB-178 22'33'55'6'-HpCB	35.50	1.99E+07	1.06 Y	0.74	0.75	2.3%
PCB-175 22'33'45'6'-HpCB	36.04	2.50E+07	1.07 Y	1.01	1.06	5.6%
PCB-187 22'34'55'6'-HpCB	36.27	2.62E+07	1.07 Y	1.06	1.12	5.0%
PCB-182 22'344'56'-HpCB	36.44	2.67E+07	1.05 Y	1.11	1.14	2.4%
PCB-183 22'344'5'6'-HpCB	36.78	2.80E+07	1.04 Y	1.13	1.19	5.4%
PCB-185 22'3455'6'-HpCB	36.86	2.44E+07	1.06 Y	1.02	1.04	2.1%
PCB-174 22'33'456'-HpCB	36.96	2.22E+07	1.06 Y	0.93	0.95	2.2%
PCB-177 22'33'4'56'-HpCB	37.33	2.20E+07	1.06 Y	0.91	0.94	3.6%
PCB-181 22'344'56'-HpCB	37.68	2.53E+07	1.04 Y	1.06	1.08	1.4%
PCB-171/173 22'33'44'6'-/22'3	37.85	4.48E+07	1.05 Y	0.93	0.95	2.7%
PCB-172 22'33'455'-HpCB	39.22	2.28E+07	1.06 Y	0.95	0.97	1.9%
PCB-192 233'455'6'-HpCB	39.46	2.98E+07	1.07 Y	1.24	1.27	2.3%
PCB-180/193 22'344'55'-/233'	39.74	5.59E+07	1.05 Y	1.16	1.19	2.8%
PCB-191 233'44'5'6'-HpCB	40.06	3.10E+07	1.05 Y	1.30	1.32	1.4%
PCB-170 22'33'44'5'-HpCB	40.81	2.24E+07	1.03 Y	1.07	1.12	4.0%
PCB-190 233'44'56'-HpCB	41.26	2.99E+07	1.05 Y	1.45	1.49	2.6%
PCB-202 22'33'55'66'-OcCB	37.45	2.39E+07	0.90 Y	0.91	0.95	3.9%
PCB-201 22'33'45'66'-OcCB	38.22	2.68E+07	0.89 Y	1.02	1.06	4.0%
PCB-204 22'344'566'-OcCB	38.79	2.52E+07	0.91 Y	0.98	1.00	2.7%
PCB-197 22'33'44'66'-OcCB	38.98	2.68E+07	0.91 Y	1.06	1.06	-0.1%
PCB-200 22'33'4566'-OcCB	39.06	2.60E+07	0.92 Y	0.96	1.03	7.6%
PCB-198/199 22'33'455'6'-/22'	41.39	3.72E+07	0.90 Y	0.72	0.74	3.1%
PCB-196 22'33'44'56'-OcCB	41.96	1.92E+07	0.91 Y	0.73	0.76	4.3%
PCB-203 22'344'55'6'-OcCB	42.13	2.02E+07	0.90 Y	0.76	0.80	4.9%
PCB-195 22'33'44'56'-OcCB	43.23	2.00E+07	0.89 Y	0.80	0.84	5.0%
PCB-194 22'33'44'55'-OcCB	45.18	2.15E+07	0.89 Y	0.87	0.90	3.0%
PCB-205 233'44'55'6'-OcCB	45.57	2.66E+07	0.89 Y	1.09	1.11	2.4%
PCB-208 22'33'455'66'-NoCB	43.03	2.52E+07	0.78 Y	1.02	1.06	3.8%
PCB-207 22'33'44'566'-NoCB	43.81	2.64E+07	0.78 Y	1.06	1.10	4.3%
PCB-206 22'33'44'55'6'-NoCB	47.03	1.75E+07	0.77 Y	0.98	1.01	3.6%

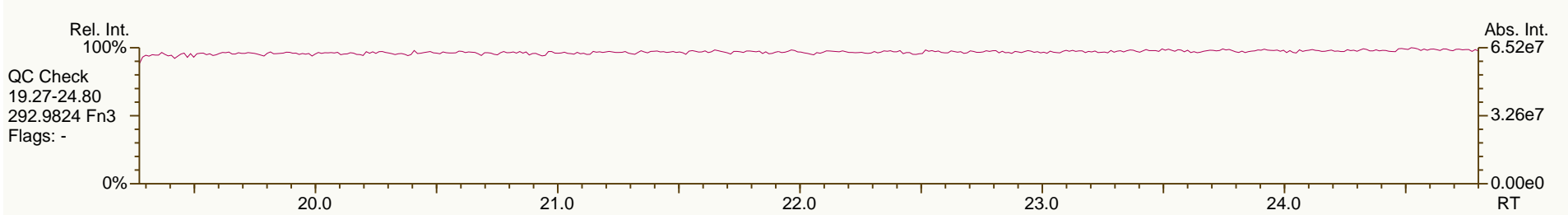
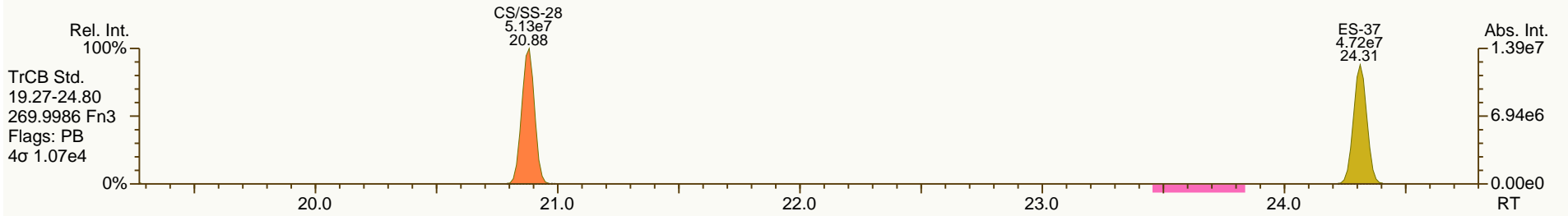
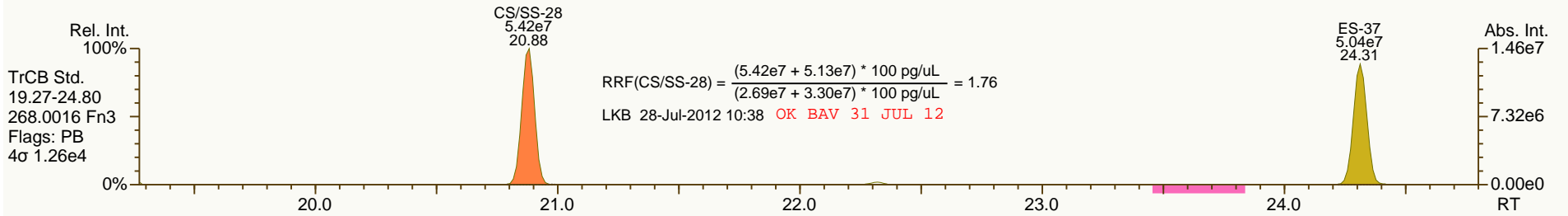
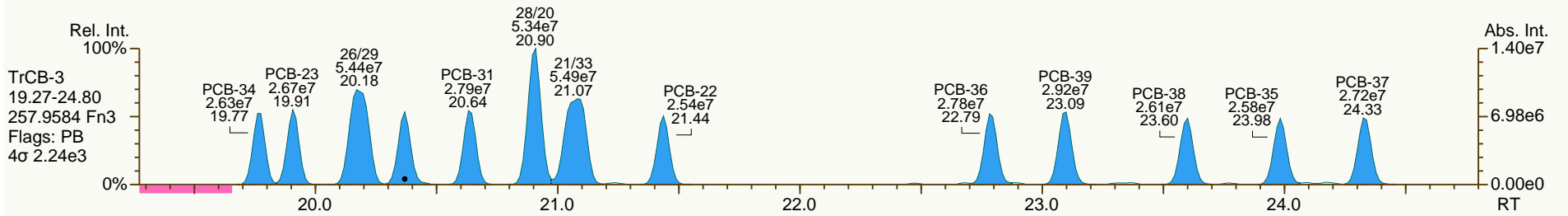
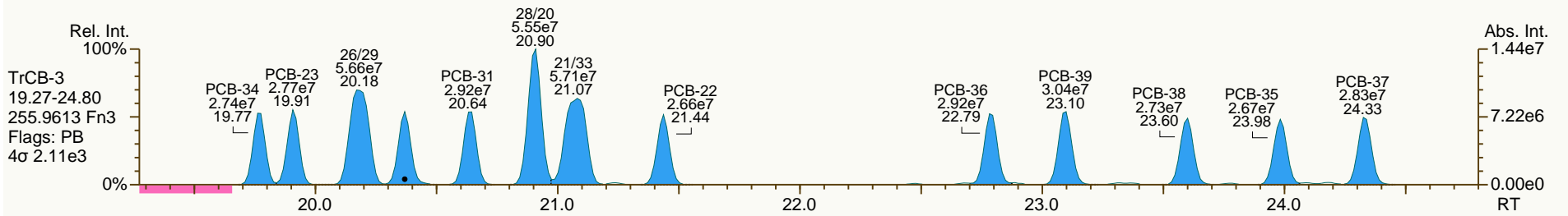


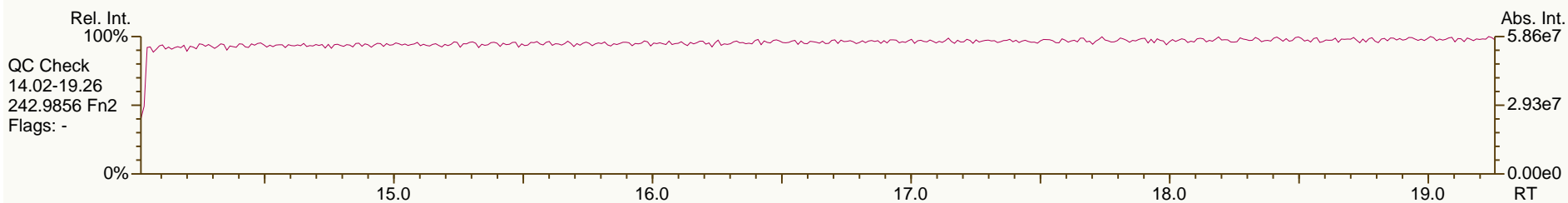
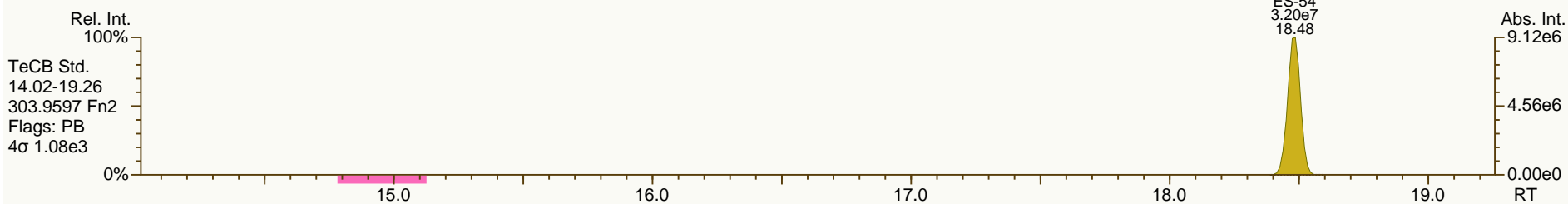
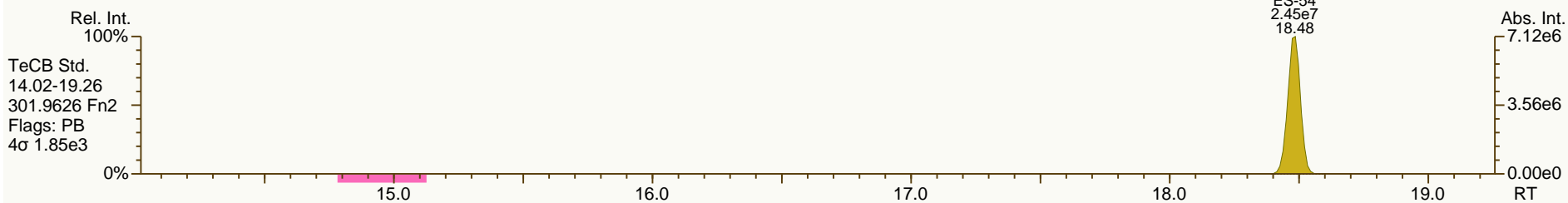
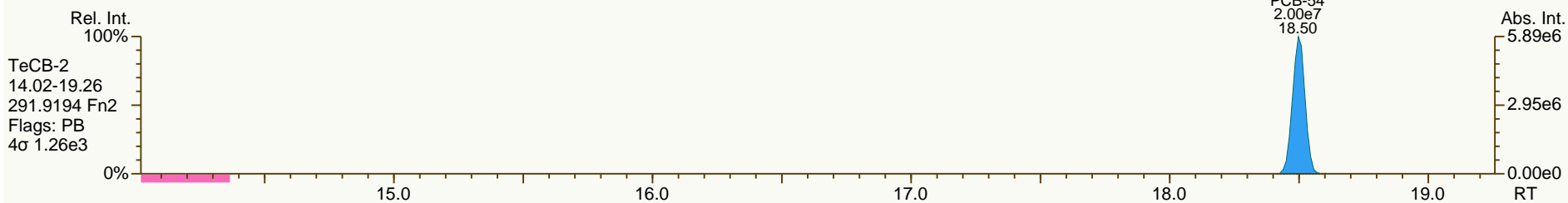
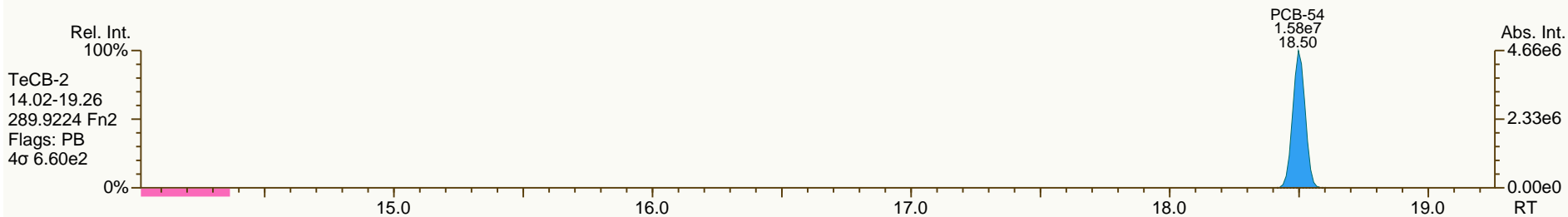


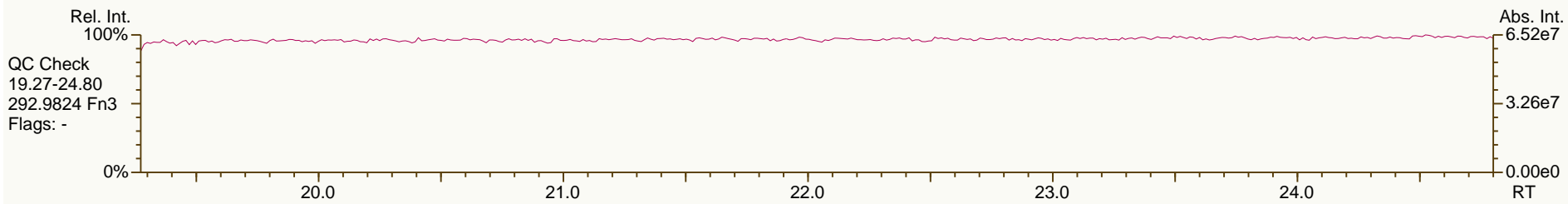
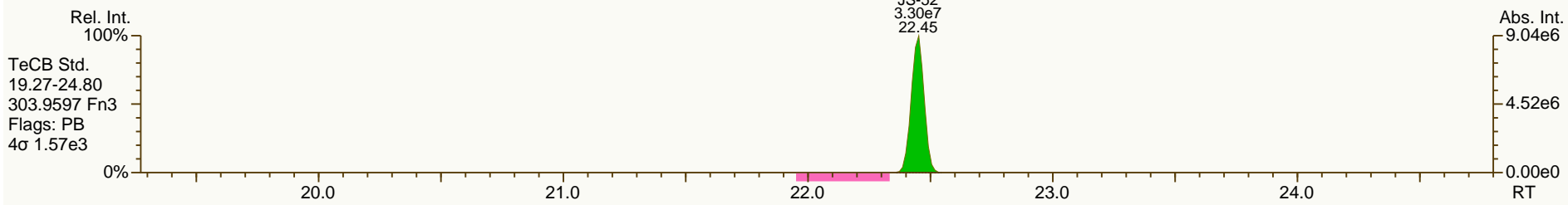
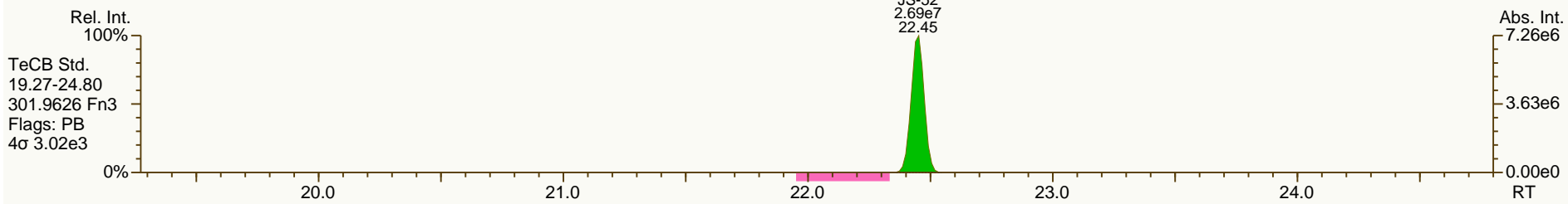
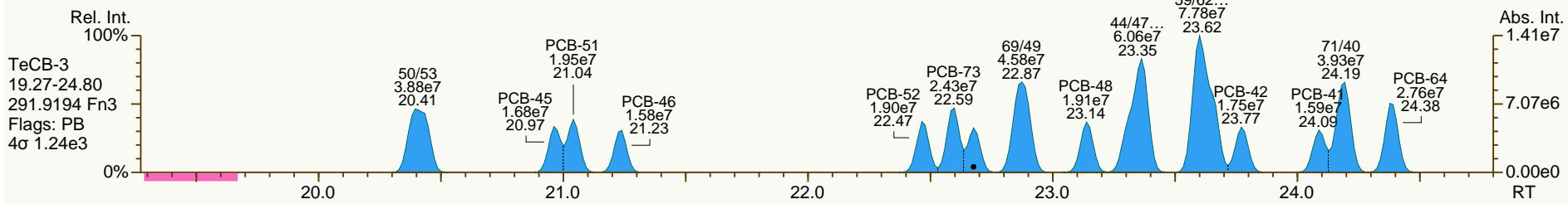
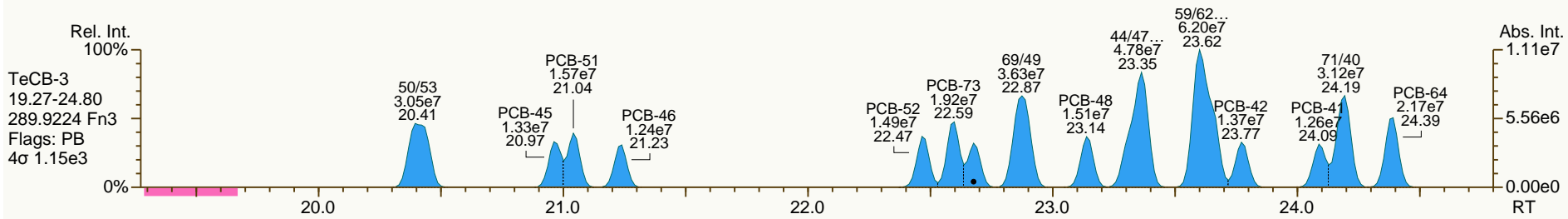


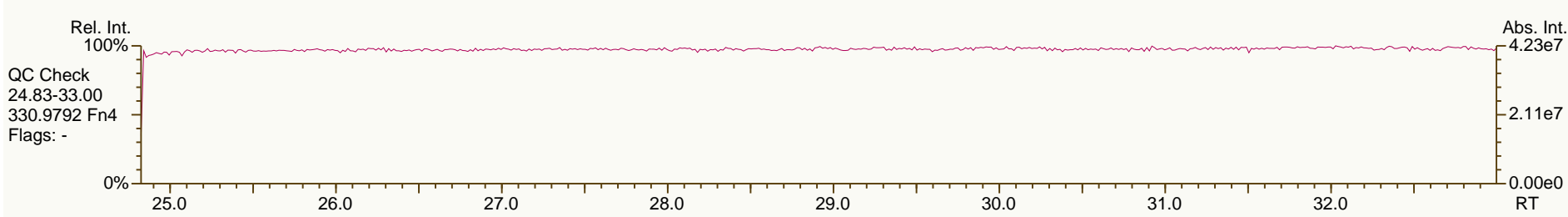
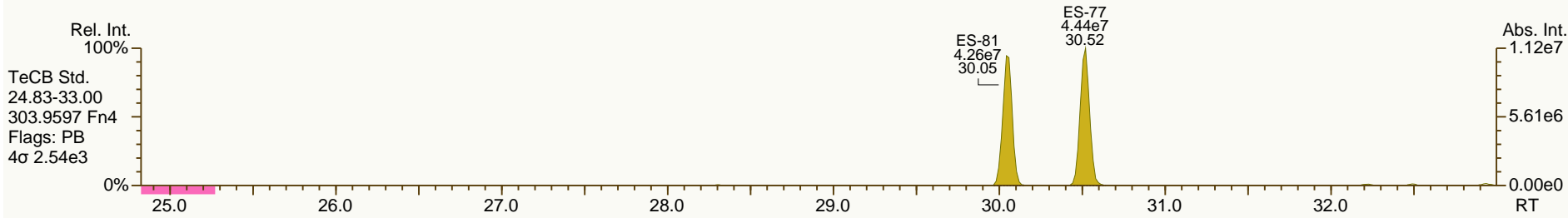
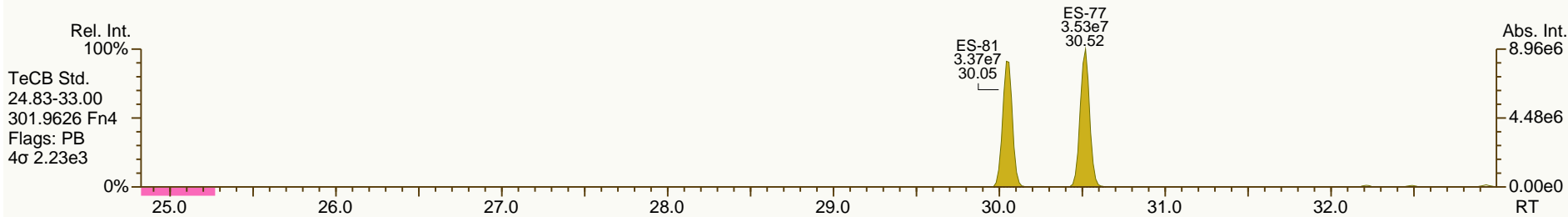
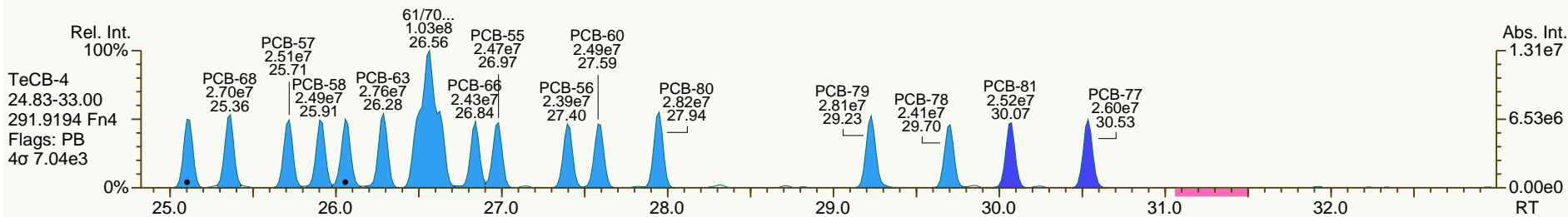
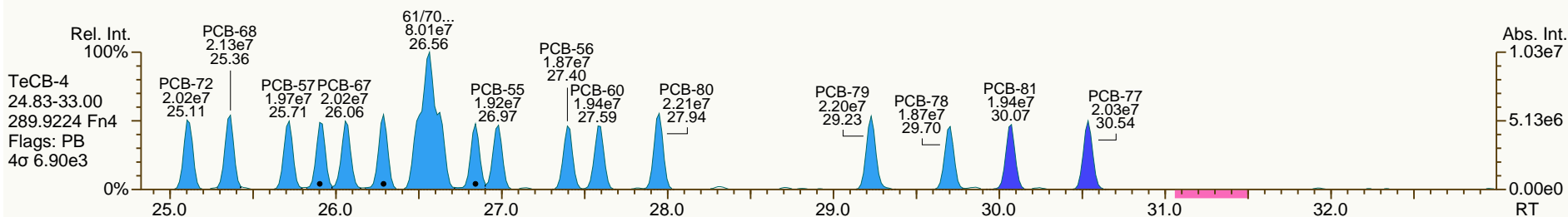


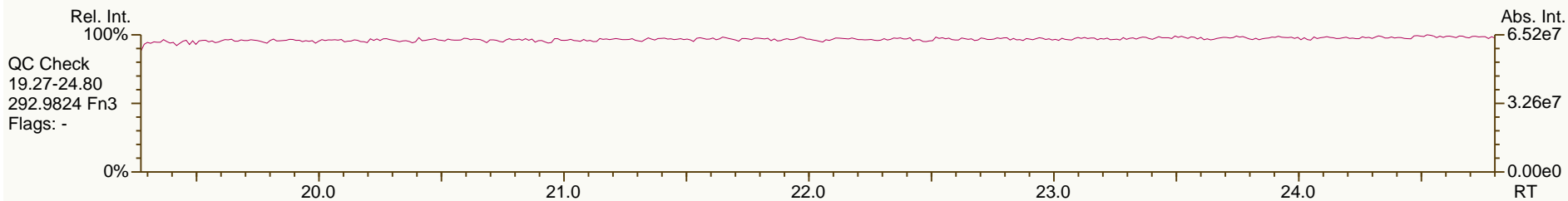
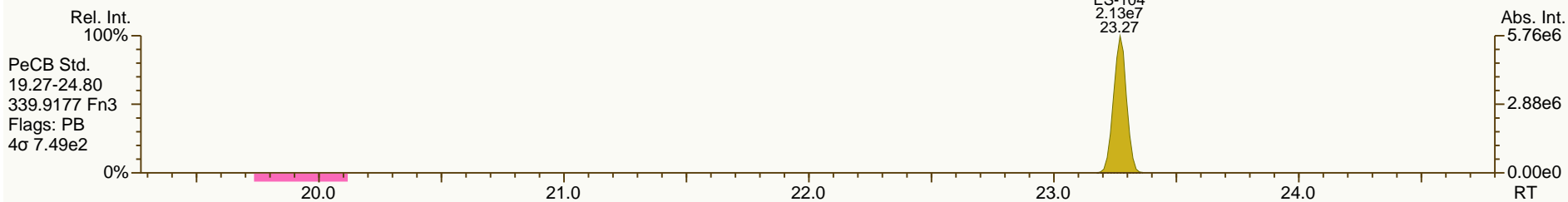
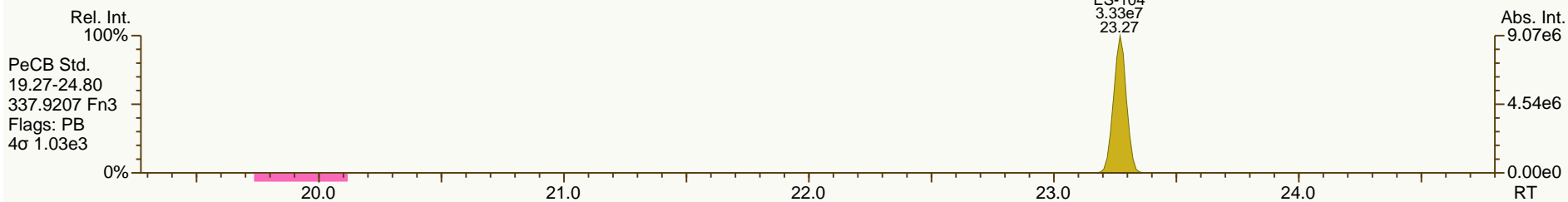
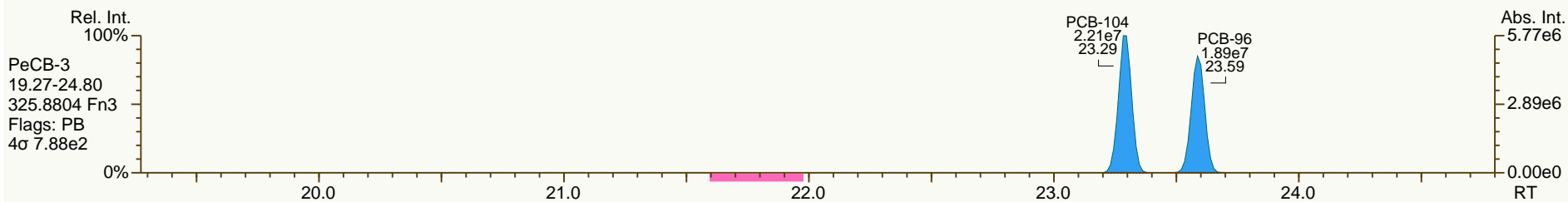
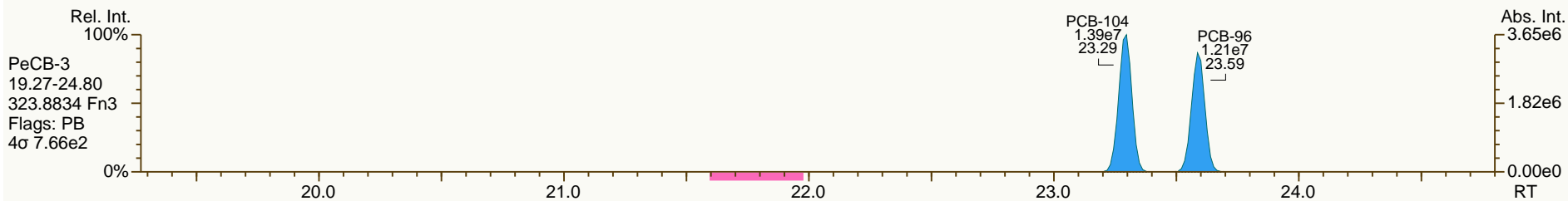


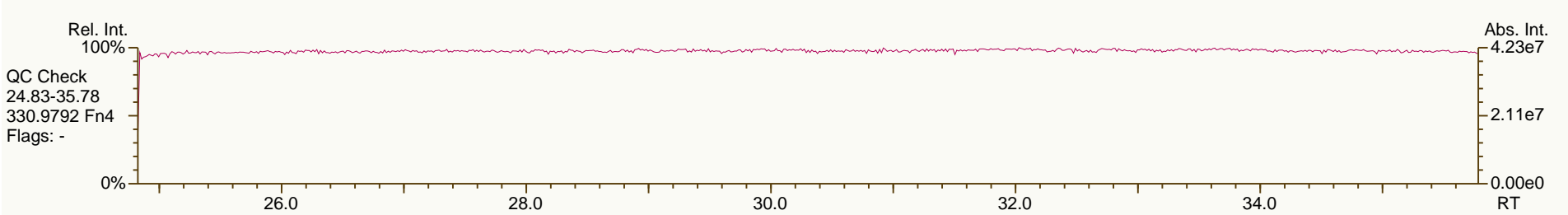
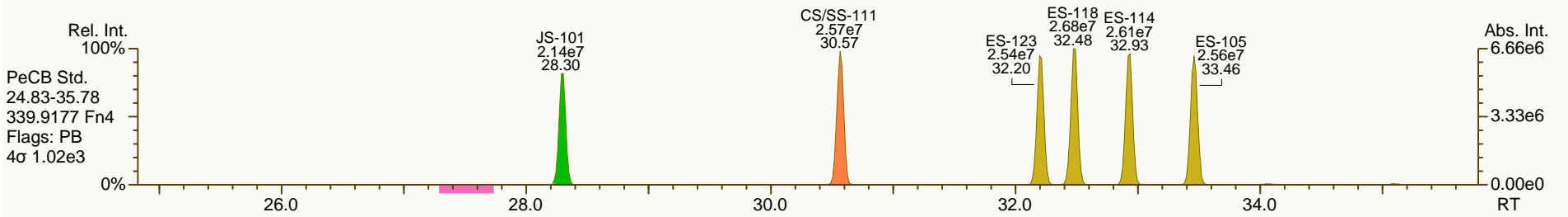
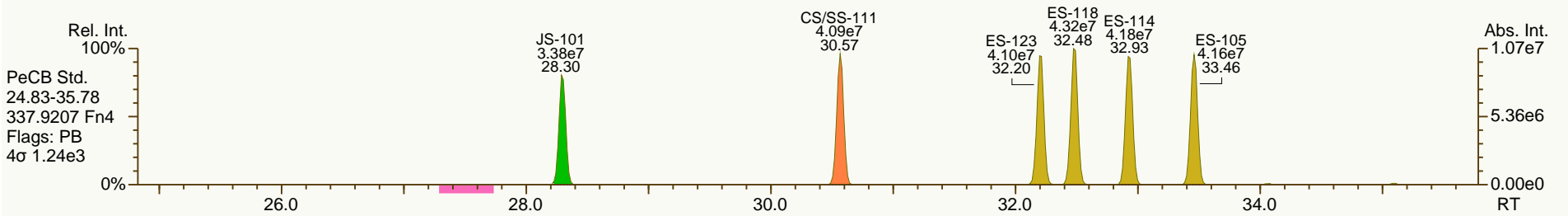
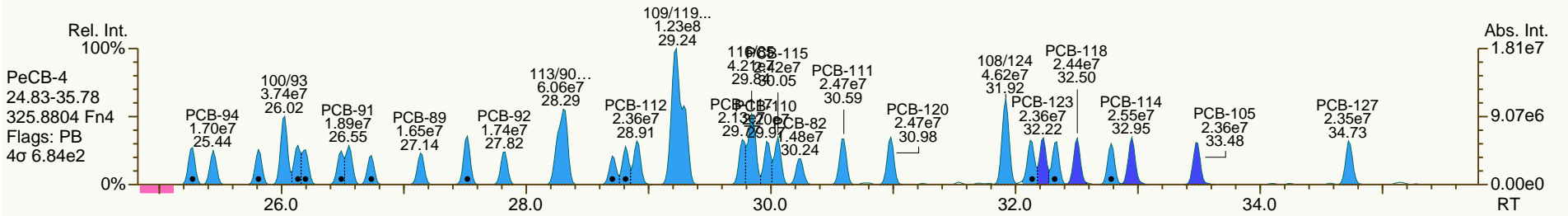
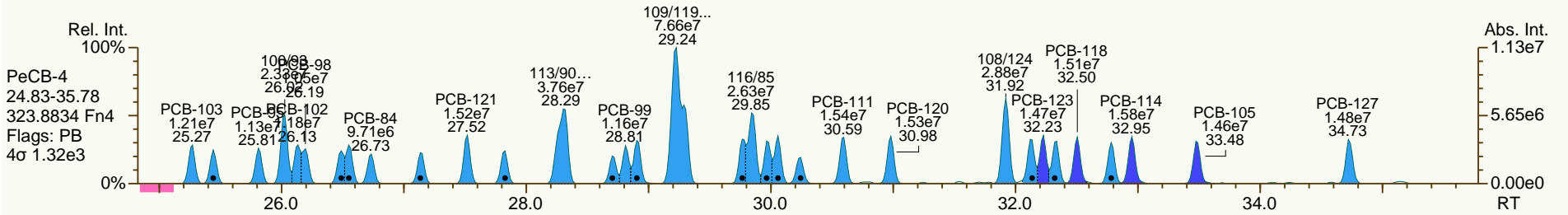


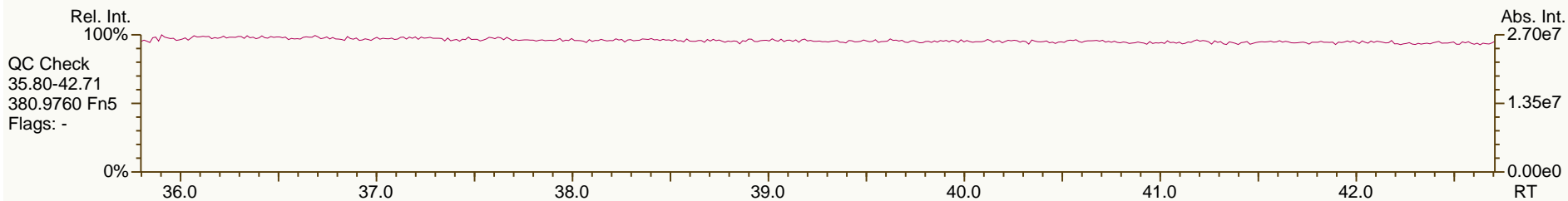
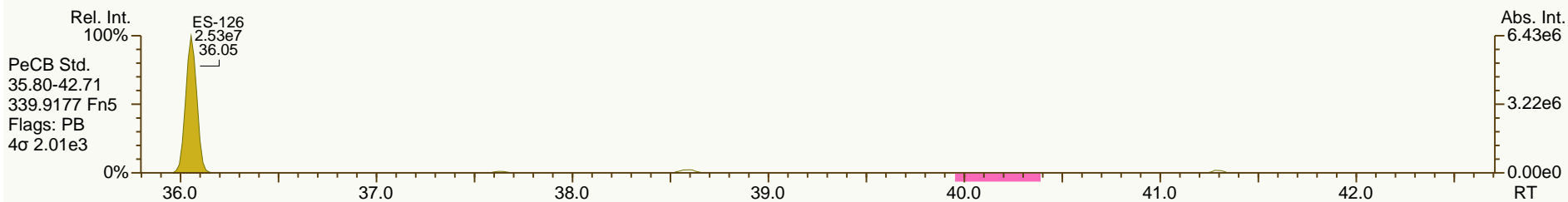
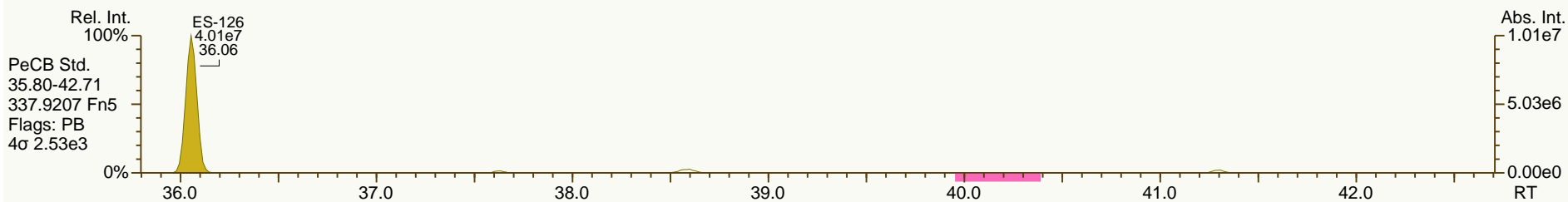
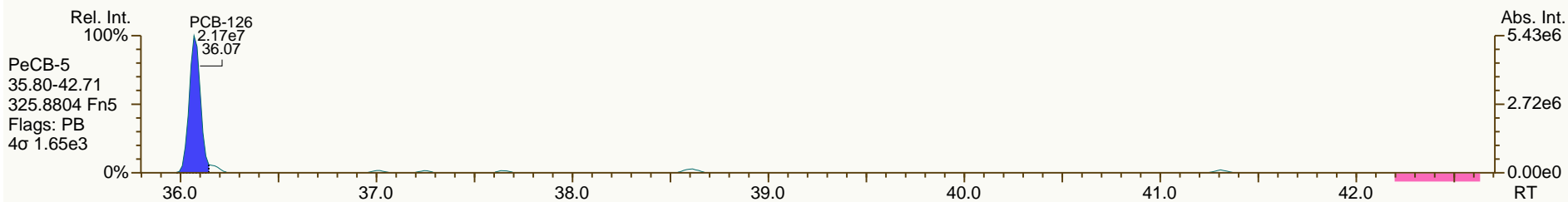
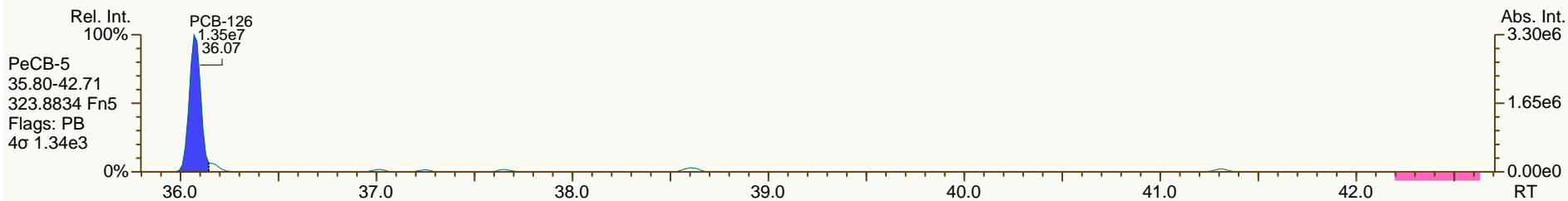


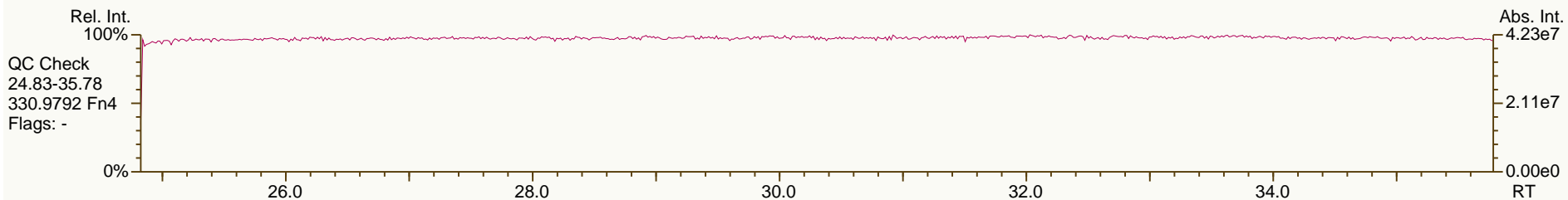
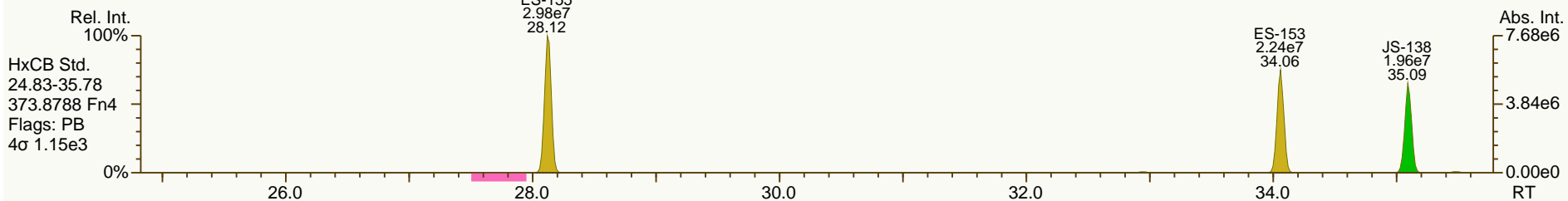
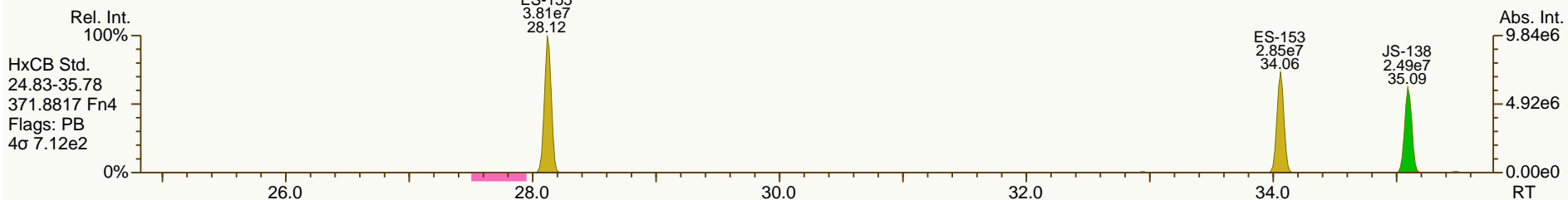
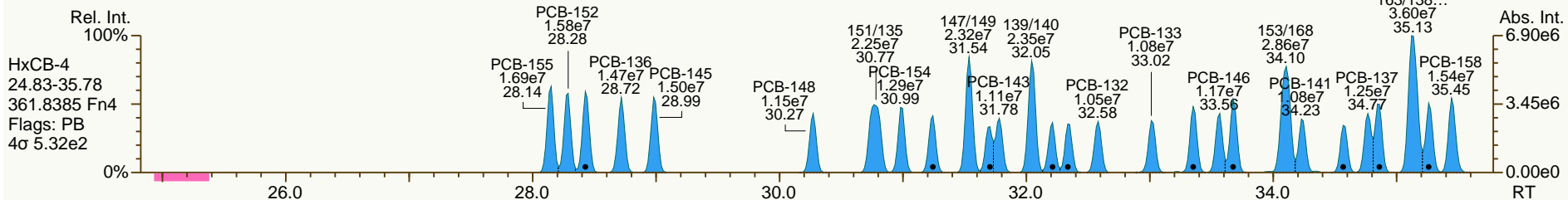
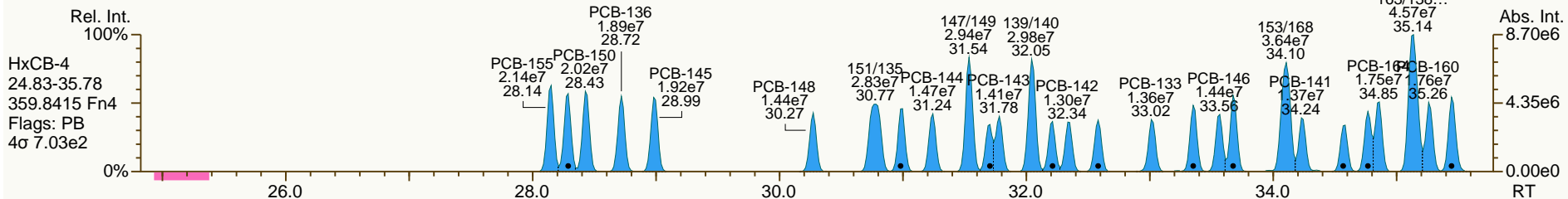


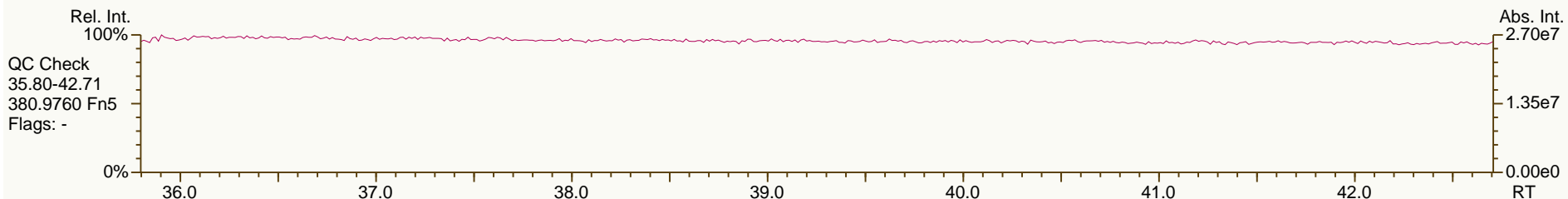
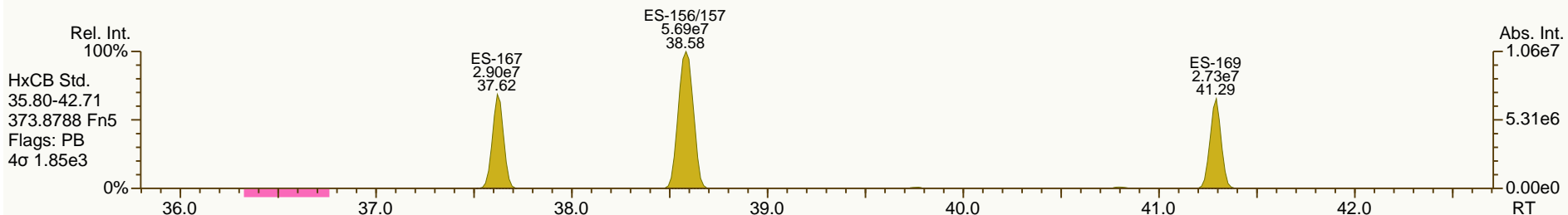
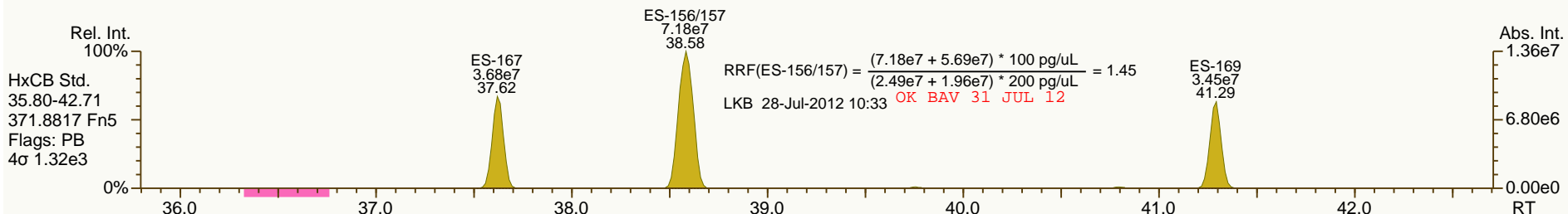
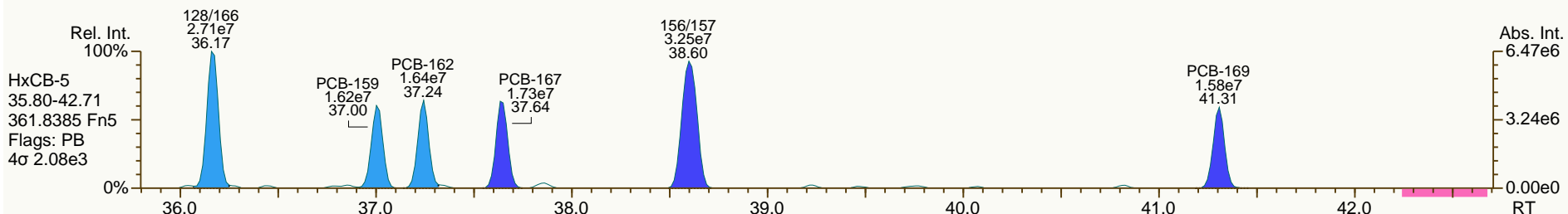
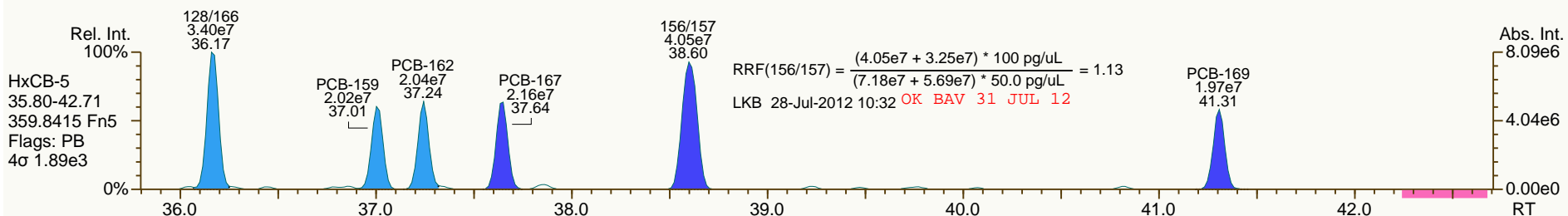


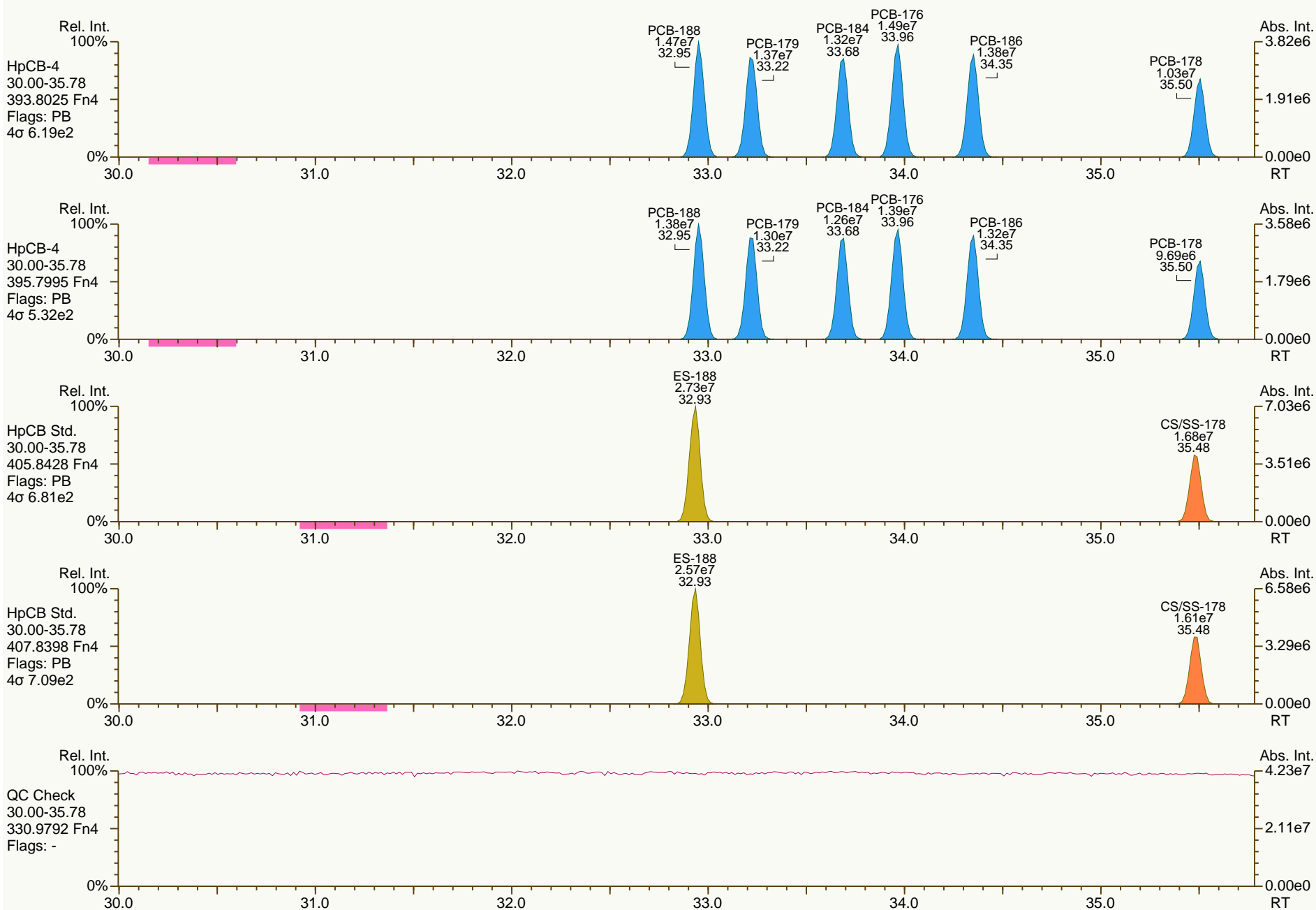


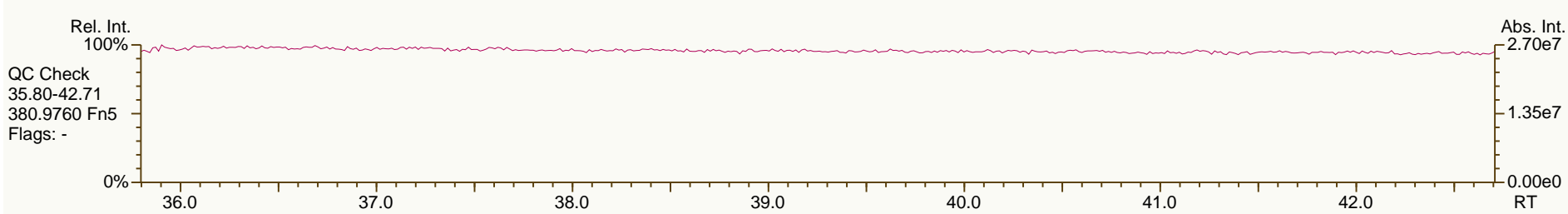
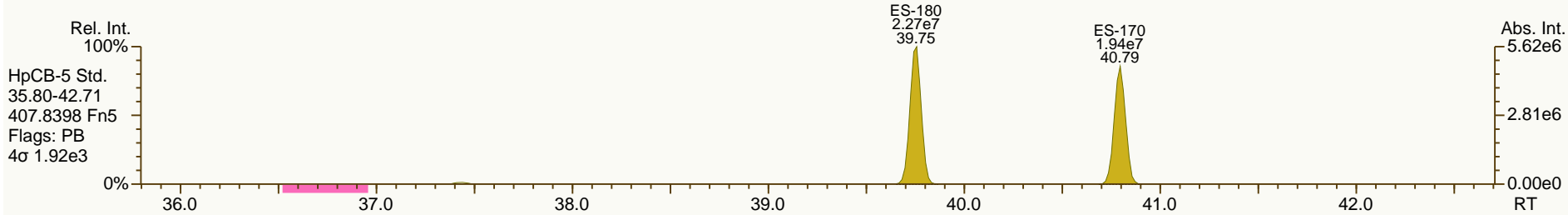
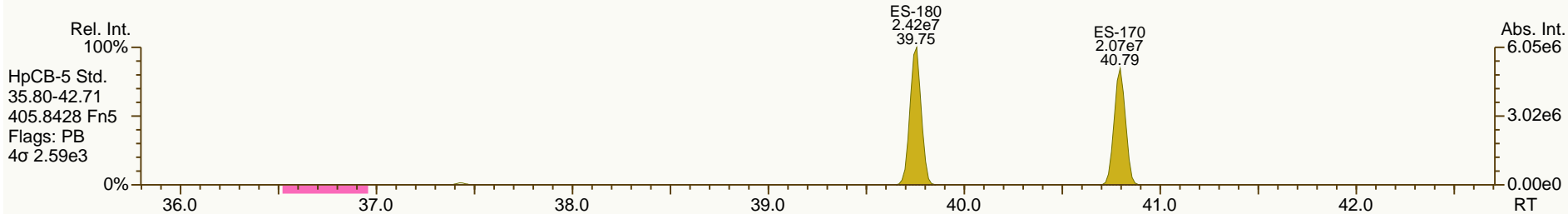
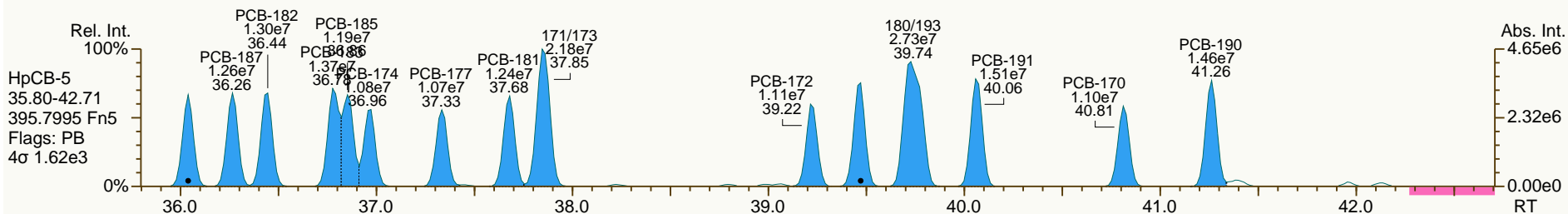
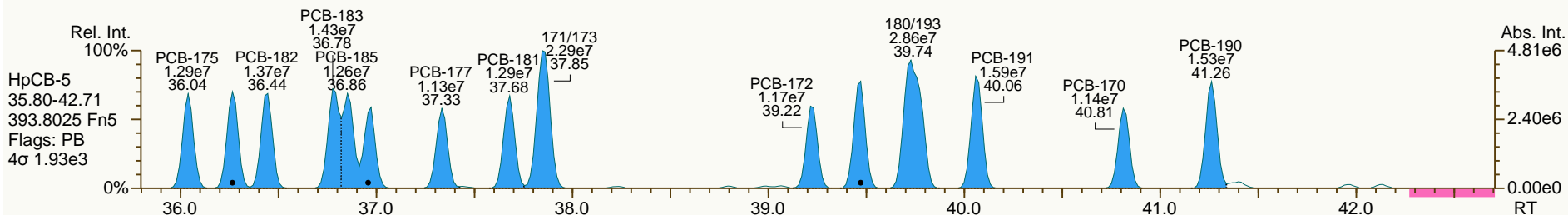


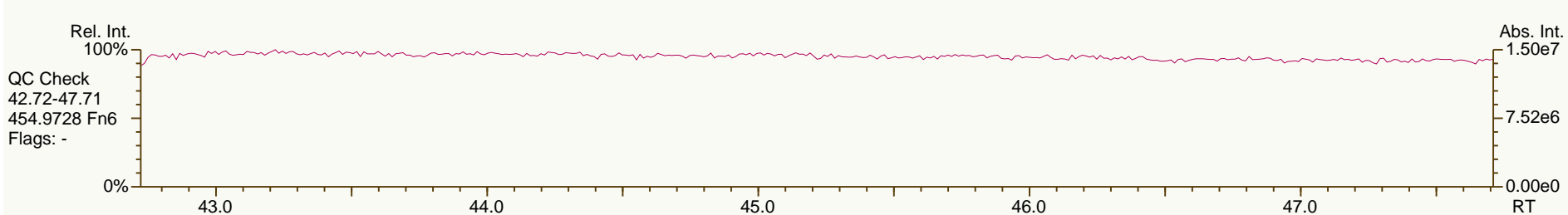
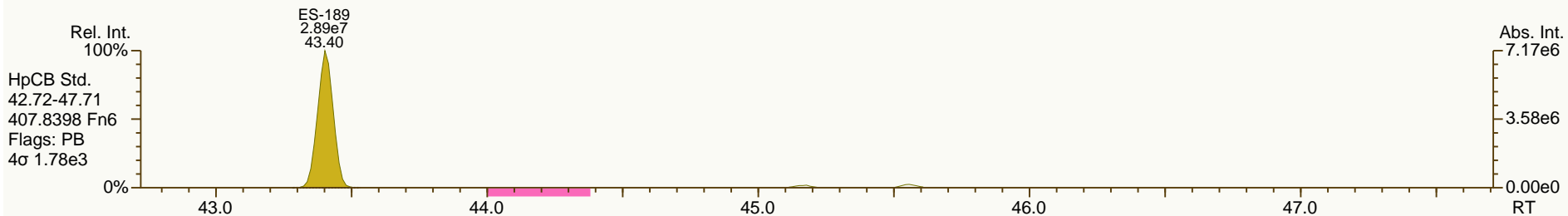
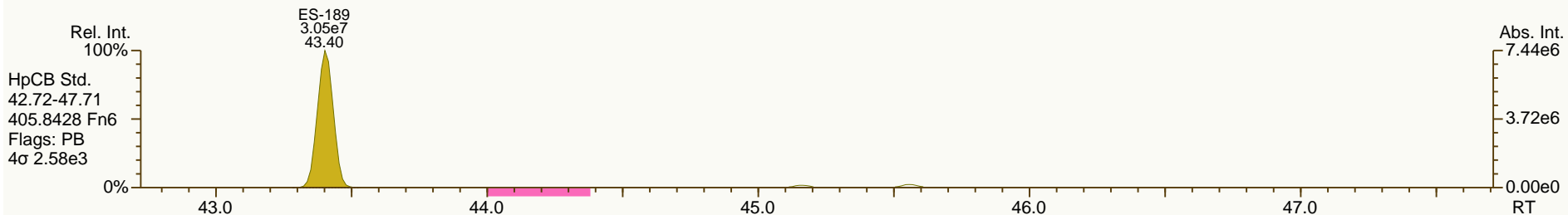
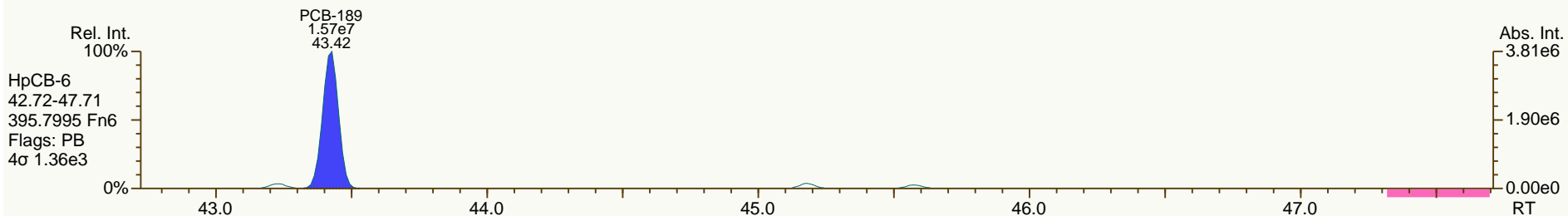
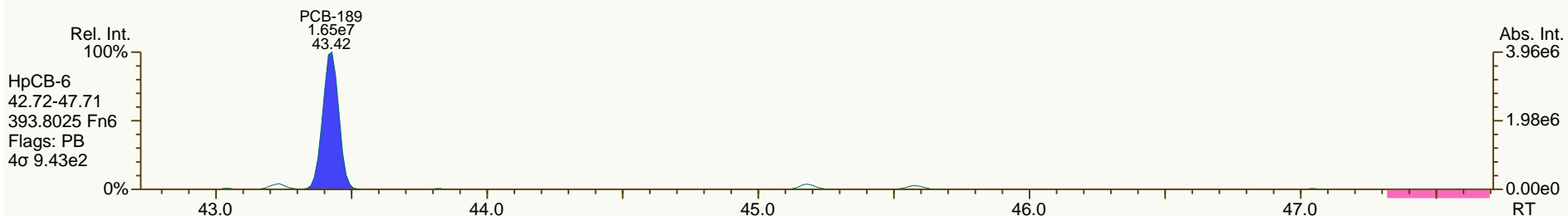




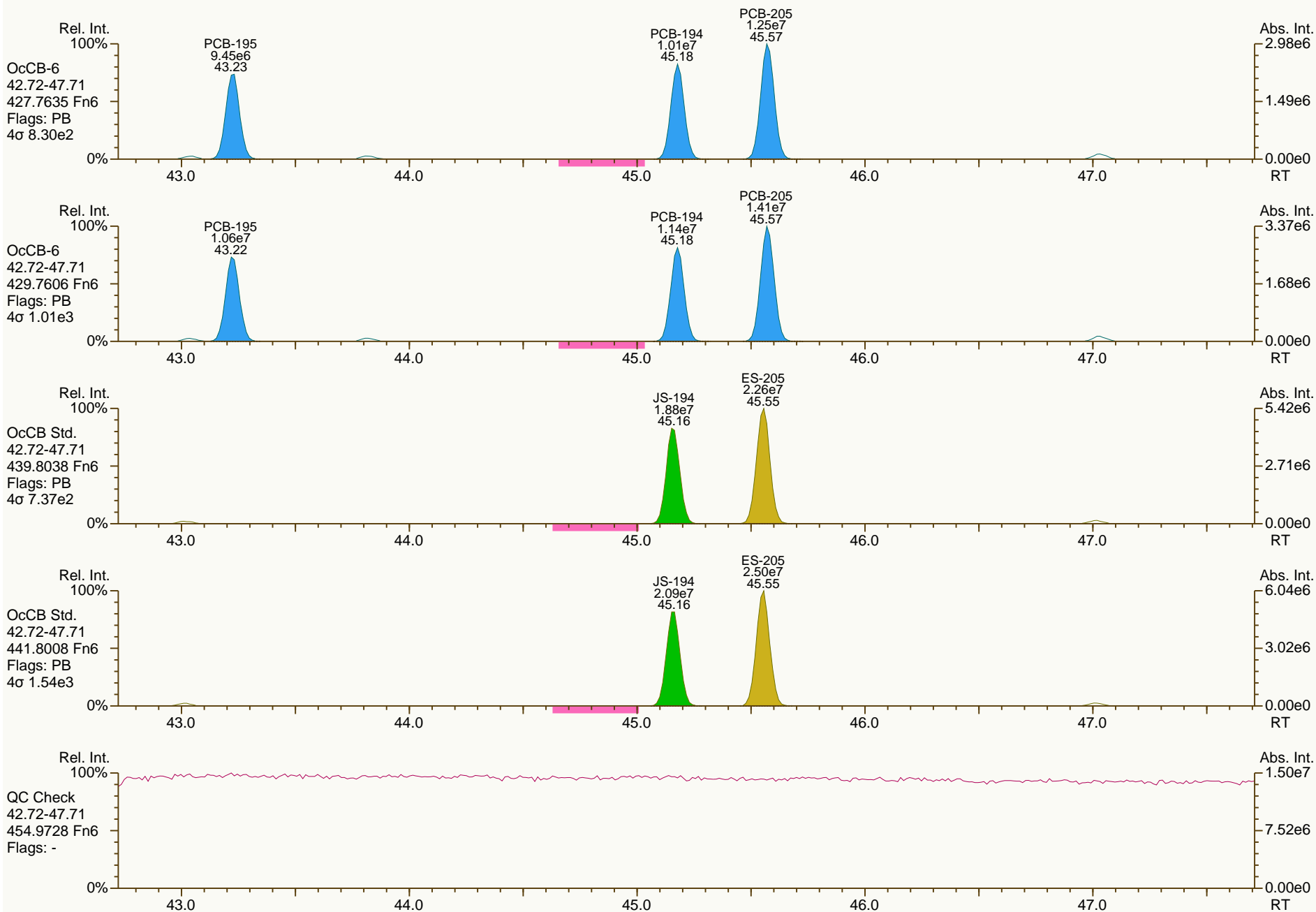




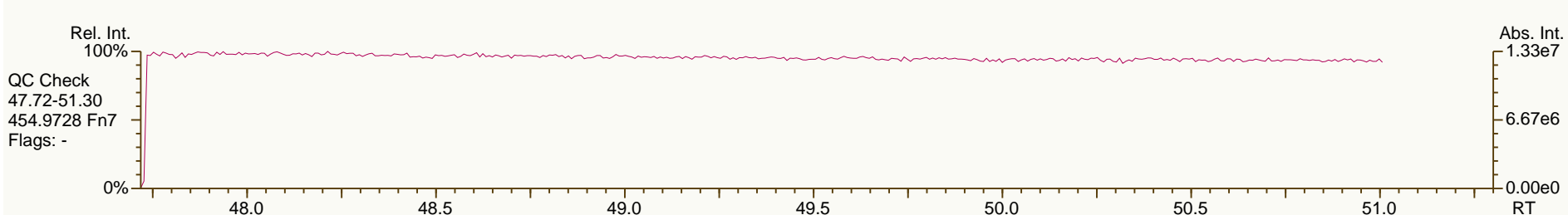
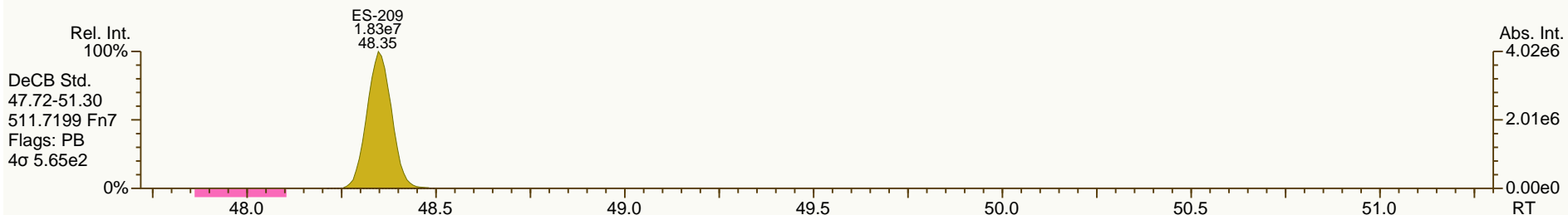
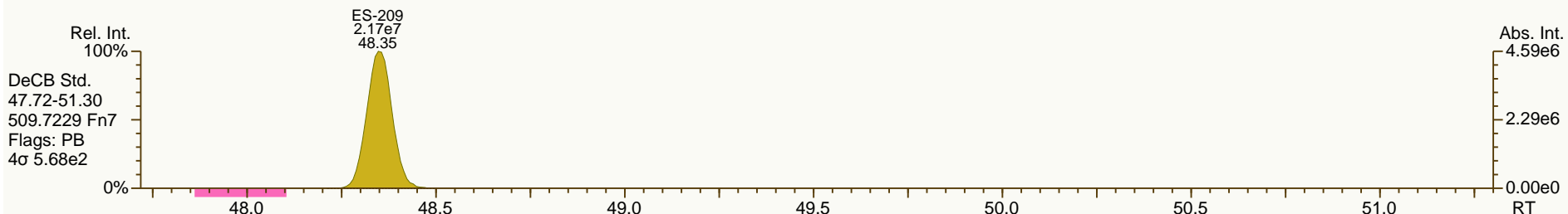
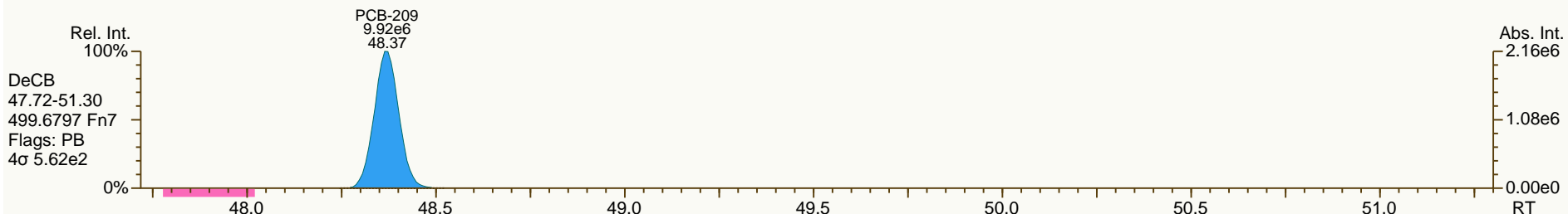
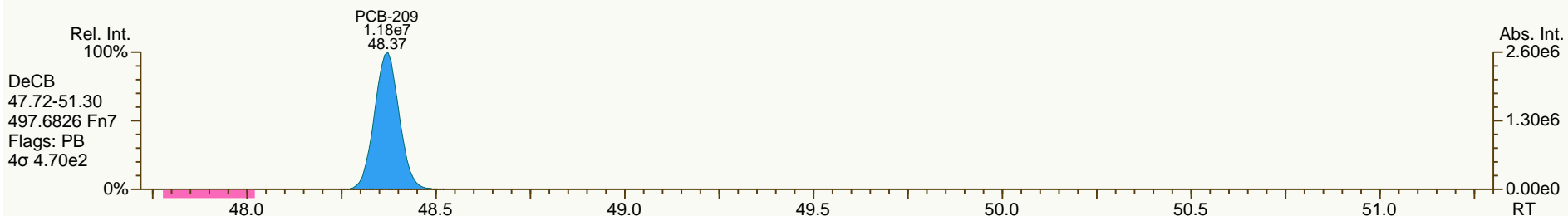












PCB QC Summary

SGS Analytical Perspectives

Printed: 28-Jul-2012 10:14

Lab ID: CS4_120725_PCB_XB
 Acquired: 26-JUL-2012 06:32
 Datafile: 120725X19

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	30.55	4.04E+08	0.79 Y	1.13	1.20	5.6%
PCB-81 344'5'-TeCB	30.08	3.90E+08	0.77 Y	1.13	1.20	6.8%
PCB-105 233'44'-PeCB	33.50	3.31E+08	0.62 Y	1.09	1.16	6.2%
PCB-114 2344'5'-PeCB	32.96	3.56E+08	0.63 Y	1.16	1.22	5.3%
PCB-118 23'44'5'-PeCB	32.52	3.48E+08	0.63 Y	1.11	1.17	5.8%
PCB-123 2'344'5'-PeCB	32.24	3.62E+08	0.63 Y	1.19	1.26	6.2%
PCB-126 33'44'5'-PeCB	36.09	3.10E+08	0.63 Y	1.06	1.11	4.7%
PCB-156/157 233'44'5'/233'44'5'	38.61	6.44E+08	1.25 Y	1.11	1.16	4.6%
PCB-167 23'44'55'-HxCB	37.65	3.40E+08	1.24 Y	1.14	1.19	4.9%
PCB-169 33'44'55'-HxCB	41.32	3.17E+08	1.26 Y	1.11	1.16	4.6%
PCB-189 233'44'55'-HpCB	43.43	2.89E+08	1.05 Y	1.06	1.11	5.2%
PCB-209 DeCB	48.38	1.92E+08	1.18 Y	1.07	1.10	2.2%
ES PCB-1	10.65	1.18E+08	3.19 Y	1.08	1.06	-1.7%
ES PCB-3	12.70	1.20E+08	3.24 Y	1.08	1.07	-0.9%
ES PCB-4	12.93	5.34E+07	1.62 Y	0.49	0.48	-1.8%
ES PCB-15	18.24	1.26E+08	1.57 Y	1.11	1.13	1.8%
ES PCB-19	15.76	6.09E+07	1.07 Y	0.55	0.55	-1.3%
ES PCB-37	24.33	1.01E+08	1.06 Y	1.64	1.65	0.9%
ES PCB-54	18.49	5.58E+07	0.77 Y	0.94	0.91	-3.4%
ES PCB-77	30.53	8.44E+07	0.78 Y	1.35	1.37	2.0%
ES PCB-81	30.06	8.10E+07	0.79 Y	1.29	1.32	2.5%
ES PCB-104	23.29	5.68E+07	1.54 Y	0.99	0.98	-1.2%
ES PCB-105	33.47	7.12E+07	1.58 Y	1.23	1.23	-0.4%
ES PCB-114	32.94	7.28E+07	1.61 Y	1.25	1.26	0.8%
ES PCB-118	32.49	7.43E+07	1.60 Y	1.28	1.28	0.1%
ES PCB-123	32.22	7.17E+07	1.60 Y	1.22	1.24	1.5%
ES PCB-126	36.07	6.96E+07	1.58 Y	1.20	1.20	0.2%
ES PCB-153	34.07	5.40E+07	1.29 Y	1.14	1.12	-2.0%
ES PCB-155	28.14	7.08E+07	1.27 Y	1.50	1.46	-2.1%
ES PCB-156/157	38.59	1.39E+08	1.28 Y	1.45	1.44	-1.1%
ES PCB-167	37.63	7.14E+07	1.27 Y	1.49	1.48	-1.0%
ES PCB-169	41.30	6.83E+07	1.27 Y	1.40	1.41	0.6%
ES PCB-170	40.80	4.36E+07	1.06 Y	1.00	1.01	0.4%
ES PCB-180	39.76	5.04E+07	1.07 Y	1.16	1.16	0.3%
ES PCB-188	32.94	5.63E+07	1.07 Y	1.18	1.17	-1.0%
ES PCB-189	43.42	6.51E+07	1.03 Y	1.49	1.50	1.0%
ES PCB-202	37.44	5.45E+07	0.90 Y	1.14	1.13	-0.7%
ES PCB-205	45.56	5.25E+07	0.90 Y	1.20	1.21	0.7%
ES PCB-206	47.02	3.81E+07	0.79 Y	0.87	0.88	1.0%
ES PCB-208	43.02	5.18E+07	0.79 Y	1.19	1.20	0.4%
ES PCB-209	48.36	4.37E+07	1.20 Y	1.00	1.01	0.5%

PCB QC Summary

SGS Analytical Perspectives

Printed: 28-Jul-2012 10:14

Lab ID: CS4_120725_PCB_XB
 Acquired: 26-JUL-2012 06:32
 Datafile: 120725X19

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	20.89	1.08E+08	1.06 Y	1.07	1.07	-0.5%
SS PCB-111	30.58	7.13E+07	1.59 Y	1.01	1.00	-1.0%
SS PCB-178	35.49	3.54E+07	1.06 Y	0.63	0.63	0.0%
CS PCB-28	20.89	1.08E+08	1.06 Y	1.76	1.77	0.5%
CS PCB-111	30.58	7.13E+07	1.59 Y	1.23	1.23	0.5%
CS PCB-178	35.49	3.54E+07	1.06 Y	0.74	0.73	-1.1%
JS PCB-9	14.75	1.11E+08	1.58 Y	-	-	-
JS PCB-52	22.46	6.14E+07	0.80 Y	-	-	-
JS PCB-101	28.31	5.79E+07	1.61 Y	-	-	-
JS PCB-138	35.11	4.83E+07	1.28 Y	-	-	-
JS PCB-194	45.17	4.34E+07	0.91 Y	-	-	-
PCB-1 2-MoCB	10.66	5.29E+08	3.21 Y	1.03	1.12	8.1%
PCB-3 4-MoCB	12.72	5.38E+08	3.18 Y	1.04	1.12	7.7%
PCB-4 22'-DiCB	12.94	2.66E+08	1.60 Y	1.17	1.24	6.2%
PCB-15 44'-DiCB	18.26	5.72E+08	1.58 Y	1.08	1.14	5.0%
PCB-19 22'6'-TrCB	15.78	2.85E+08	1.06 Y	1.09	1.17	6.8%
PCB-37 344'-TrCB	24.35	4.68E+08	1.05 Y	1.10	1.15	4.4%
PCB-54 22'66'-TeCB	18.51	2.91E+08	0.79 Y	1.21	1.30	7.8%
PCB-104 22'466'-PeCB	23.31	2.98E+08	0.63 Y	1.25	1.31	4.5%
PCB-153 22'44'55'-HxCB	34.12	5.61E+08	1.27 Y	1.22	1.30	6.5%
PCB-155 22'44'66'-HxCB	28.16	3.26E+08	1.27 Y	1.09	1.15	5.6%
PCB-170 22'33'44'5'-HpCB	40.82	1.97E+08	1.05 Y	1.07	1.13	5.3%
PCB-180 22'344'55'-HpCB	39.75	4.93E+08	1.06 Y	1.16	1.22	5.5%
PCB-188 22'34'566'-HpCB	32.97	2.48E+08	1.05 Y	1.03	1.10	6.3%
PCB-202 22'33'55'66'-OcCB	37.46	2.09E+08	0.90 Y	0.91	0.96	4.8%
PCB-205 233'44'55'6'-OcCB	45.58	2.39E+08	0.90 Y	1.09	1.14	4.7%
PCB-208 22'33'455'66'-NoCB	43.04	2.24E+08	0.78 Y	1.02	1.08	6.2%
PCB-206 22'33'44'55'6'-NoCB	47.04	1.58E+08	0.78 Y	0.98	1.04	6.1%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:14

Lab ID: CS4_120725_PCB_XB
 Acquired: 26-JUL-2012 06:32
 Datafile: 120725X19

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.66	5.29E+08	3.21 Y	1.03	1.12	8.1%
PCB-2 3-MoCB	12.55	5.43E+08	3.21 Y	1.04	1.14	8.9%
PCB-3 4-MoCB	12.72	5.38E+08	3.18 Y	1.04	1.12	7.7%
PCB-4 22'-DiCB	12.94	2.66E+08	1.60 Y	1.17	1.24	6.2%
PCB-10 26-DiCB	13.11	4.13E+08	1.61 Y	1.83	1.93	5.5%
PCB-9 25-DiCB	14.77	4.76E+08	1.58 Y	0.89	0.95	5.6%
PCB-7 24-DiCB	14.92	5.47E+08	1.60 Y	1.02	1.08	5.9%
PCB-6 23'-DiCB	15.13	5.09E+08	1.59 Y	0.95	1.01	6.5%
PCB-5 23-DiCB	15.40	5.14E+08	1.59 Y	0.97	1.02	4.8%
PCB-8 24'-DiCB	15.52	5.29E+08	1.58 Y	0.98	1.05	6.8%
PCB-14 35-DiCB	16.98	6.18E+08	1.59 Y	1.16	1.23	5.8%
PCB-11 33'-DiCB	17.71	5.37E+08	1.60 Y	1.00	1.07	6.7%
PCB-13/12 34'-/34-DiCB	17.99	1.10E+09	1.59 Y	1.02	1.09	7.0%
PCB-15 44'-DiCB	18.26	5.72E+08	1.58 Y	1.08	1.14	5.0%
PCB-19 22'6-TrCB	15.78	2.85E+08	1.06 Y	1.09	1.17	6.8%
PCB-30/18 246-/22'5-TrCB	17.44	7.70E+08	1.06 Y	1.46	1.58	8.2%
PCB-17 22'4-TrCB	17.82	3.31E+08	1.06 Y	1.25	1.36	8.5%
PCB-27 23'6-TrCB	18.00	4.49E+08	1.06 Y	1.69	1.84	9.0%
PCB-24 236-TrCB	18.12	4.19E+08	1.06 Y	1.63	1.72	5.1%
PCB-16 22'3-TrCB	18.21	2.64E+08	1.06 Y	0.95	1.08	13.4%
PCB-32 24'6-TrCB	18.67	4.65E+08	1.06 Y	1.79	1.91	6.7%
PCB-34 2'35-TrCB	19.78	4.47E+08	1.05 Y	1.05	1.10	5.2%
PCB-23 235-TrCB	19.92	4.52E+08	1.04 Y	1.06	1.11	5.4%
PCB-26/29 23'5-/245-TrCB	20.19	9.23E+08	1.05 Y	1.09	1.14	4.9%
PCB-25 23'4-TrCB	20.38	4.61E+08	1.05 Y	1.07	1.14	5.9%
PCB-31 24'5-TrCB	20.65	4.76E+08	1.04 Y	1.11	1.17	5.7%
PCB-28/20 244'-/233'-TrCB	20.92	9.09E+08	1.04 Y	1.07	1.12	5.0%
PCB-21/33 234-/2'34-TrCB	21.09	9.43E+08	1.05 Y	1.09	1.16	6.4%
PCB-22 234'-TrCB	21.45	4.32E+08	1.04 Y	1.02	1.07	4.9%
PCB-36 33'5-TrCB	22.80	4.80E+08	1.05 Y	1.13	1.18	5.0%
PCB-39 34'5-TrCB	23.11	5.02E+08	1.04 Y	1.17	1.24	6.3%
PCB-38 345-TrCB	23.61	4.53E+08	1.04 Y	1.03	1.12	8.1%
PCB-35 33'4-TrCB	24.00	4.42E+08	1.05 Y	1.04	1.09	4.9%
PCB-37 344'-TrCB	24.35	4.68E+08	1.05 Y	1.10	1.15	4.4%
PCB-54 22'66'-TeCB	18.51	2.91E+08	0.79 Y	1.21	1.30	7.8%
PCB-50/53 22'46-/22'56'TeCB	20.42	5.79E+08	0.79 Y	0.86	0.89	4.3%
PCB-45 22'36'-TeCB	20.98	2.51E+08	0.78 Y	0.73	0.77	5.8%
PCB-51 22'46'-TeCB	21.05	3.01E+08	0.80 Y	0.88	0.93	5.8%
PCB-46 22'36'-TeCB	21.25	2.37E+08	0.79 Y	0.70	0.73	5.4%
PCB-52 22'55'-TeCB	22.48	2.81E+08	0.79 Y	0.84	0.87	3.0%
PCB-73 23'5'6TeCB	22.61	3.60E+08	0.79 Y	1.09	1.11	1.9%
PCB-43 22'35'-TeCB	22.69	2.52E+08	0.80 Y	0.72	0.78	7.4%
PCB-69/49 23'46-/22'45'TeCB	22.89	6.89E+08	0.79 Y	1.01	1.06	5.0%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:14

Lab ID: CS4_120725_PCB_XB
 Acquired: 26-JUL-2012 06:32
 Datafile: 120725X19

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.15	2.89E+08	0.79 Y	0.85	0.89	5.0%
PCB-44/47/65 22'35'-/22'44'-	23.36	9.15E+08	0.79 Y	0.89	0.94	5.7%
PCB-59/62/75 233'6-/2346-/24	23.63	1.18E+09	0.79 Y	1.14	1.22	6.7%
PCB-42 22'34'-TeCB	23.79	2.64E+08	0.80 Y	0.77	0.81	5.5%
PCB-41 22'34'-TeCB	24.10	2.36E+08	0.78 Y	0.73	0.73	0.2%
PCB-71/40 23'4'6/22'33'-TeCB	24.20	5.96E+08	0.79 Y	0.87	0.92	6.2%
PCB-64 234'6'-TeCB	24.40	4.16E+08	0.79 Y	1.24	1.28	3.8%
PCB-72 23'55'-TeCB	25.12	3.93E+08	0.79 Y	1.14	1.21	6.0%
PCB-68 23'45'-TeCB	25.37	4.18E+08	0.79 Y	1.21	1.29	6.6%
PCB-57 233'5'-TeCB	25.73	3.76E+08	0.78 Y	1.11	1.16	5.1%
PCB-58 233'5'-TeCB	25.92	3.78E+08	0.79 Y	1.10	1.17	6.1%
PCB-67 23'45'-TeCB	26.07	4.00E+08	0.78 Y	1.16	1.23	6.4%
PCB-63 234'5'-TeCB	26.30	4.17E+08	0.78 Y	1.22	1.29	6.0%
PCB-61/70/74/76 2345-/23'4'5	26.58	1.57E+09	0.78 Y	1.13	1.21	7.3%
PCB-66 23'44'-TeCB	26.85	3.66E+08	0.78 Y	1.08	1.13	5.1%
PCB-55 233'4'-TeCB	26.99	3.77E+08	0.78 Y	1.10	1.16	6.0%
PCB-56 233'4'-TeCB	27.41	3.62E+08	0.78 Y	1.06	1.12	5.9%
PCB-60 2344'-TeCB	27.60	3.84E+08	0.79 Y	1.11	1.18	6.6%
PCB-80 33'55'-TeCB	27.96	4.32E+08	0.79 Y	1.25	1.33	6.4%
PCB-79 33'45'-TeCB	29.24	4.39E+08	0.78 Y	1.23	1.36	9.9%
PCB-78 33'45'-TeCB	29.71	3.70E+08	0.77 Y	1.08	1.14	5.7%
PCB-104 22'466'-PeCB	23.31	2.98E+08	0.63 Y	1.25	1.31	4.5%
PCB-96 22'366'-PeCB	23.60	2.60E+08	0.63 Y	1.08	1.14	6.5%
PCB-103 22'45'6'-PeCB	25.28	2.65E+08	0.63 Y	0.90	0.93	2.7%
PCB-94 22'356'-PeCB	25.46	2.32E+08	0.62 Y	0.78	0.81	4.2%
PCB-95 22'35'6'-PeCB	25.83	2.47E+08	0.63 Y	0.83	0.86	4.4%
PCB-100/93 22'44'6-/22'356-P	26.04	4.92E+08	0.63 Y	0.84	0.86	1.7%
PCB-102 22'456'-PeCB	26.14	2.81E+08	0.63 Y	0.90	0.98	8.9%
PCB-98 22'3'46'-PeCB	26.21	2.30E+08	0.63 Y	0.77	0.80	3.9%
PCB-88 22'346'-PeCB	26.50	2.39E+08	0.63 Y	0.79	0.83	5.2%
PCB-91 22'34'6'-PeCB	26.57	2.64E+08	0.63 Y	0.88	0.92	4.7%
PCB-84 22'33'6'-PeCB	26.74	2.13E+08	0.62 Y	0.71	0.74	4.5%
PCB-89 22'346'-PeCB	27.15	2.26E+08	0.63 Y	0.76	0.79	3.6%
PCB-121 23'45'6'-PeCB	27.53	3.39E+08	0.63 Y	1.14	1.18	3.3%
PCB-92 22'355'-PeCB	27.83	2.39E+08	0.63 Y	0.80	0.84	4.4%
PCB-113/90/101 233'5'6-/22'3	28.31	8.36E+08	0.63 Y	0.93	0.97	4.0%
PCB-83 22'33'5'-PeCB	28.72	2.03E+08	0.62 Y	0.71	0.71	-0.5%
PCB-99 22'44'5'-PeCB	28.83	2.76E+08	0.63 Y	0.87	0.96	10.6%
PCB-112 233'56'-PeCB	28.92	3.25E+08	0.63 Y	1.13	1.13	0.7%
PCB-108/119/86/97/125/87 233	29.26	1.71E+09	0.63 Y	0.95	0.99	4.5%
PCB-117 234'56'-PeCB	29.78	3.04E+08	0.62 Y	1.04	1.06	2.2%
PCB-116/85 23456-/22'344'-Pe	29.86	5.85E+08	0.63 Y	0.97	1.02	5.0%
PCB-110 233'4'6'-PeCB	29.99	3.09E+08	0.63 Y	1.02	1.08	5.5%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:14

Lab ID: CS4_120725_PCB_XB
 Acquired: 26-JUL-2012 06:32
 Datafile: 120725X19

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6-PeCB	30.07	3.35E+08	0.63 Y	1.16	1.17	1.0%
PCB-82 22'33'4-PeCB	30.25	2.08E+08	0.63 Y	0.69	0.73	5.1%
PCB-111 233'55'-PeCB	30.60	3.45E+08	0.63 Y	1.15	1.21	4.4%
PCB-120 23'455'-PeCB	30.99	3.48E+08	0.63 Y	1.16	1.21	4.6%
PCB-107/124 233'4'5'-/2'3455'	31.93	6.43E+08	0.63 Y	1.07	1.12	4.4%
PCB-109 233'46-PeCB	32.13	3.41E+08	0.63 Y	1.14	1.19	4.3%
PCB-106 233'45-PeCB	32.34	3.24E+08	0.63 Y	1.07	1.13	5.7%
PCB-122 2'33'45-PeCB	32.79	3.03E+08	0.63 Y	1.00	1.04	3.9%
PCB-127 33'455'-PeCB	34.74	3.33E+08	0.63 Y	1.10	1.17	6.4%
PCB-155 22'44'66'-HxCB	28.16	3.26E+08	1.27 Y	1.09	1.15	5.6%
PCB-152 22'3566'-HxCB	28.30	3.05E+08	1.26 Y	1.01	1.08	6.5%
PCB-150 22'34'66'-HxCB	28.45	3.08E+08	1.27 Y	1.00	1.09	8.2%
PCB-136 22'33'66'-HxCB	28.73	2.87E+08	1.26 Y	0.95	1.01	6.3%
PCB-145 22'3466'HxCB	29.00	2.91E+08	1.25 Y	0.96	1.03	6.7%
PCB-148 22'34'56'-HxCB	30.28	2.27E+08	1.27 Y	0.97	1.05	8.2%
PCB-151/135 22'355'6-/22'33'	30.79	4.40E+08	1.26 Y	0.96	1.02	5.6%
PCB-154 22'44'5'6-HxCB	31.00	2.51E+08	1.25 Y	1.09	1.16	6.5%
PCB-144 22'345'6-HxCB	31.25	2.25E+08	1.26 Y	0.98	1.04	6.0%
PCB-147/149 22'34'56-/22'34'	31.55	4.53E+08	1.26 Y	0.99	1.05	6.4%
PCB-134 22'33'56-HxCB	31.71	1.85E+08	1.26 Y	0.80	0.86	7.0%
PCB-143 22'3456'-HxCB	31.79	2.15E+08	1.27 Y	0.95	1.00	4.4%
PCB-139/140 22'344'6-/22'344'	32.06	4.63E+08	1.26 Y	1.00	1.07	7.2%
PCB-131 22'33'46-HxCB	32.22	1.99E+08	1.26 Y	0.85	0.92	8.5%
PCB-142 22'3456-HxCB	32.36	2.02E+08	1.27 Y	0.87	0.93	7.0%
PCB-132 22'33'46'-HxCB	32.59	2.05E+08	1.26 Y	0.89	0.95	6.8%
PCB-133 22'33'55'-HxCB	33.03	2.13E+08	1.27 Y	0.91	0.99	8.0%
PCB-165 233'55'6-HxCB	33.37	2.61E+08	1.25 Y	1.13	1.21	6.6%
PCB-146 22'34'55'-HxCB	33.57	2.29E+08	1.26 Y	1.01	1.06	5.1%
PCB-161 233'45'6-HxCB	33.69	2.92E+08	1.27 Y	1.25	1.35	7.8%
PCB-153/168 22'44'55'-/23'44'	34.12	5.61E+08	1.27 Y	1.22	1.30	6.5%
PCB-141 22'3455'-HxCB	34.25	2.12E+08	1.27 Y	0.93	0.98	5.7%
PCB-130 22'33'45'-HxCB	34.59	1.93E+08	1.26 Y	0.85	0.89	5.6%
PCB-137 22'344'5-HxCB	34.78	2.23E+08	1.25 Y	1.04	1.03	-1.2%
PCB-164 233'4'5'6-HxCB	34.86	2.99E+08	1.27 Y	1.22	1.38	13.2%
PCB-163/138/129 233'4'56-/22'	35.15	7.12E+08	1.26 Y	1.02	1.10	7.3%
PCB-160 233'456-HxCB	35.28	2.72E+08	1.27 Y	1.21	1.26	4.2%
PCB-158 233'44'6-HxCB	35.46	3.05E+08	1.26 Y	1.34	1.41	5.5%
PCB-128/166 22'33'44'-/2344'5	36.18	5.38E+08	1.25 Y	0.90	0.94	4.8%
PCB-159 233'455'-HxCB	37.02	3.22E+08	1.25 Y	1.06	1.13	5.9%
PCB-162 233'4'55'-HxCB	37.25	3.25E+08	1.25 Y	1.08	1.14	5.7%
PCB-188 22'34'566'-HpCB	32.97	2.48E+08	1.05 Y	1.03	1.10	6.3%
PCB-179 22'33'566'-HpCB	33.23	2.29E+08	1.06 Y	0.97	1.02	5.0%
PCB-184 22'344'66'-HpCB	33.70	2.25E+08	1.05 Y	0.93	1.00	7.0%

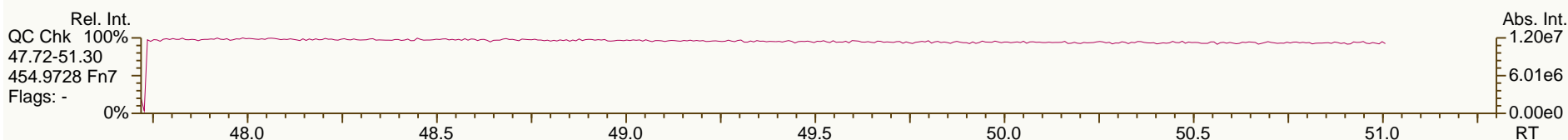
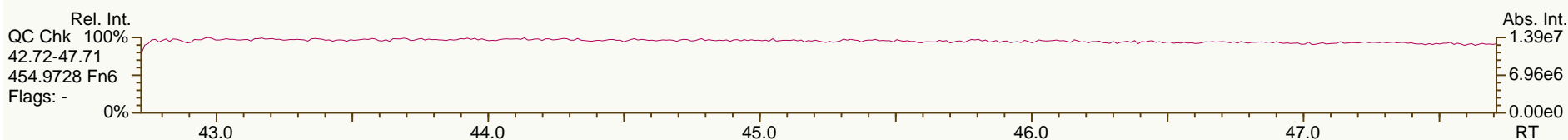
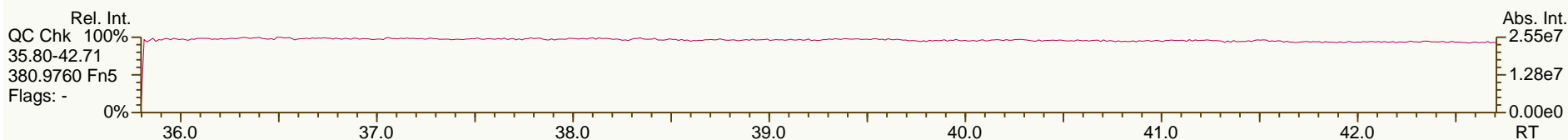
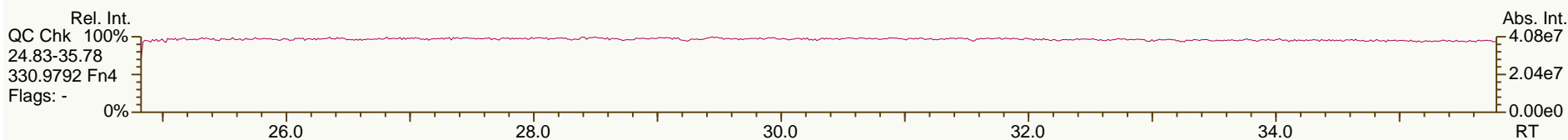
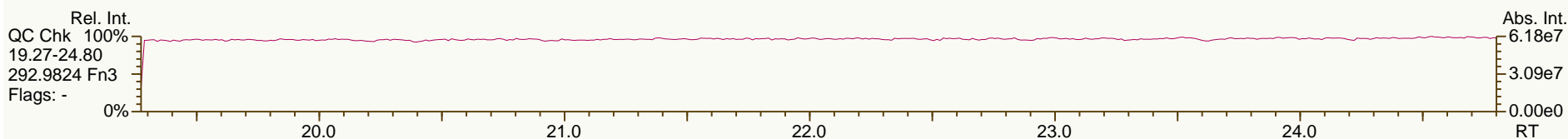
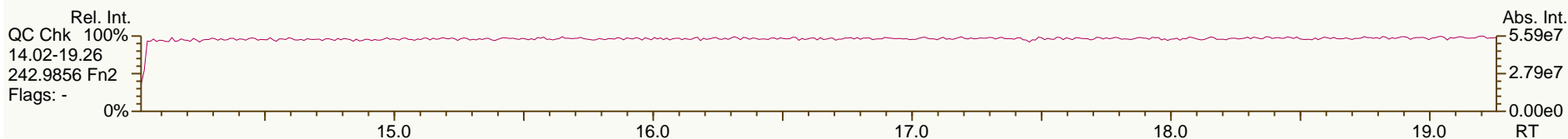
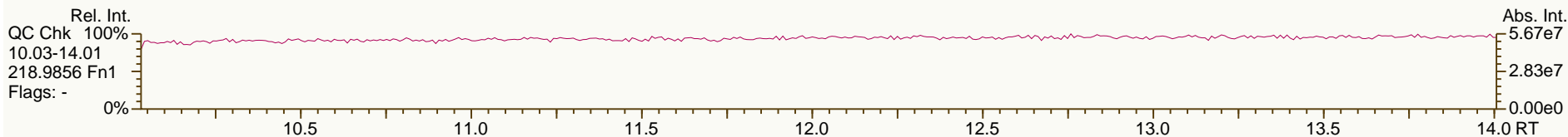
PCB QC Summary - Ax2 Detail

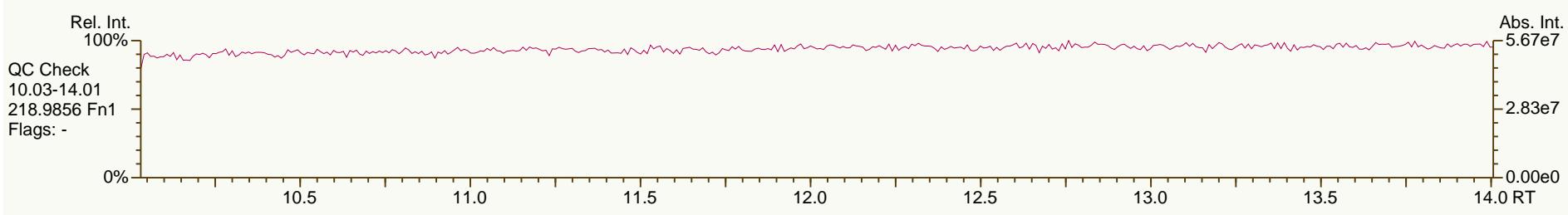
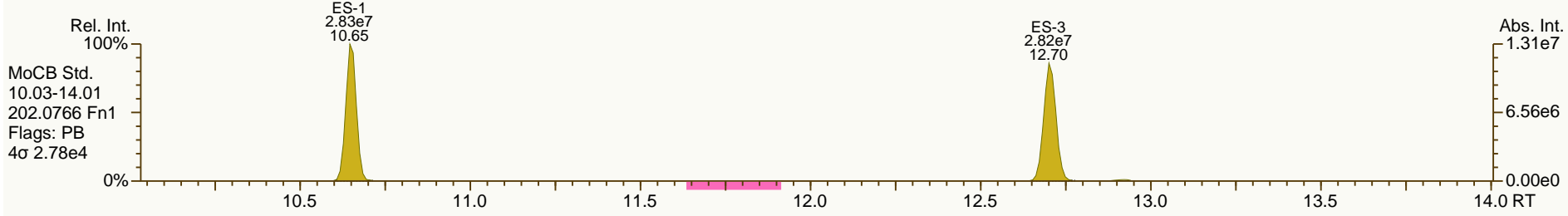
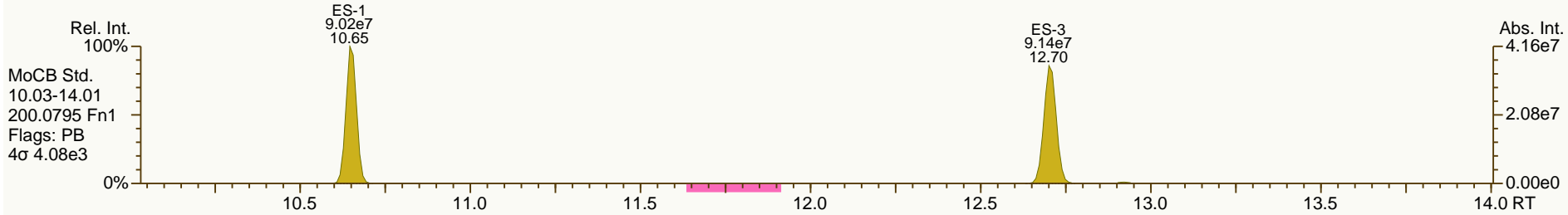
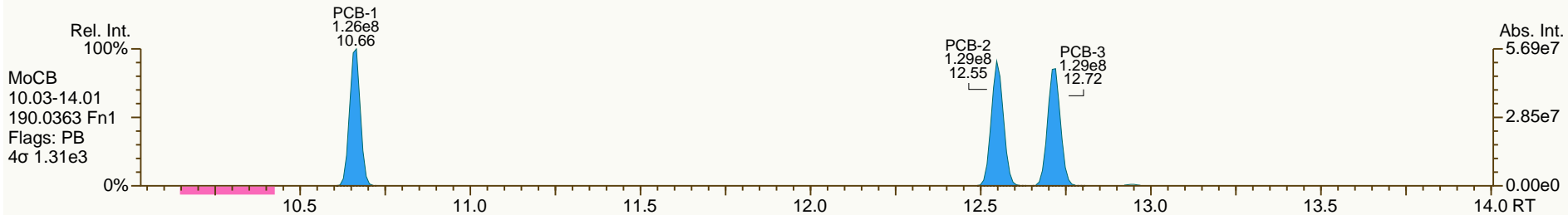
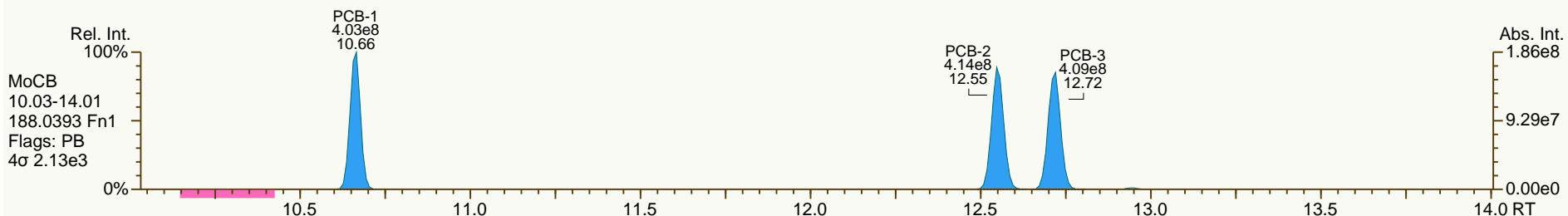
Printed: 28-Jul-2012 10:14

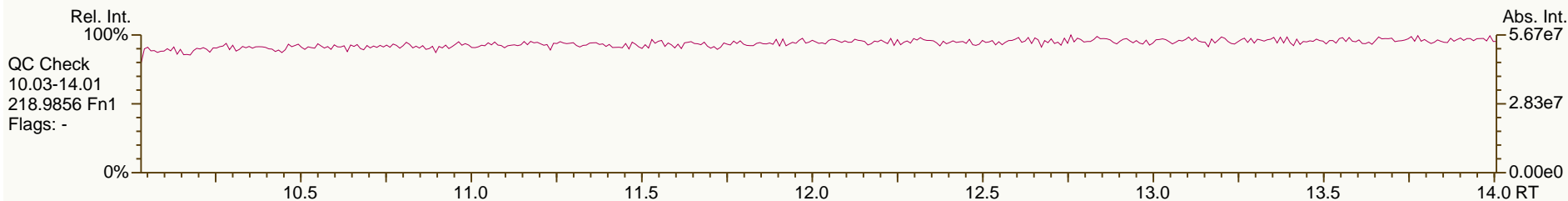
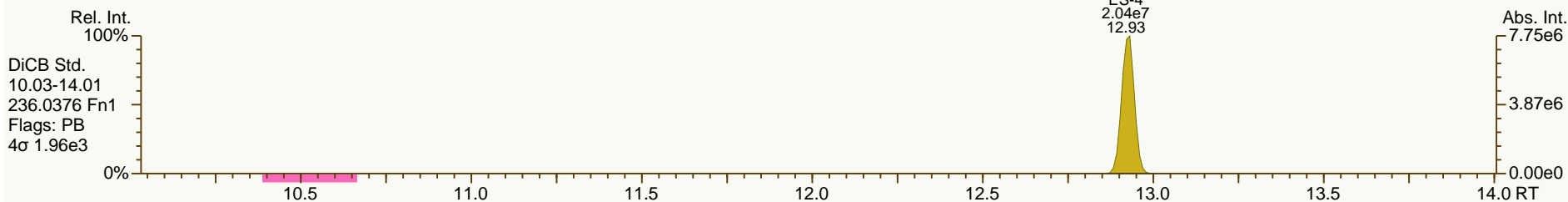
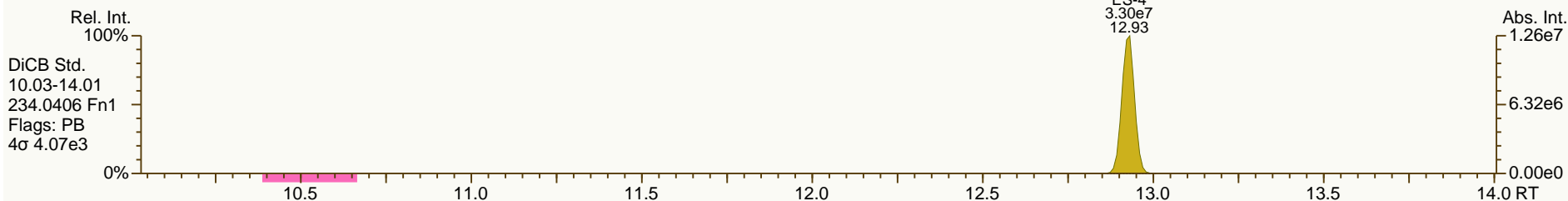
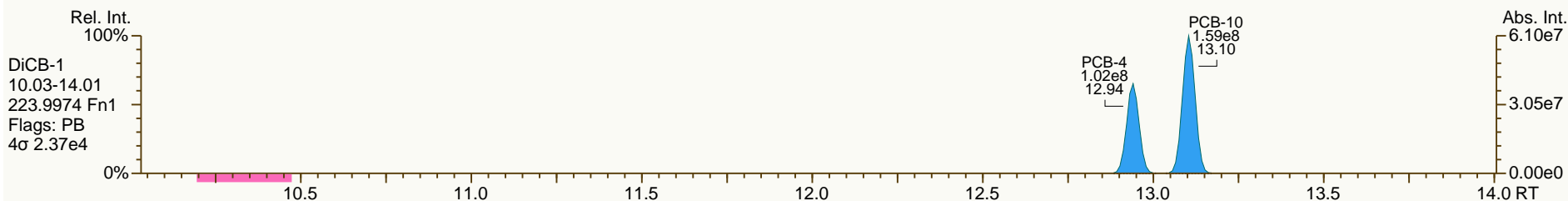
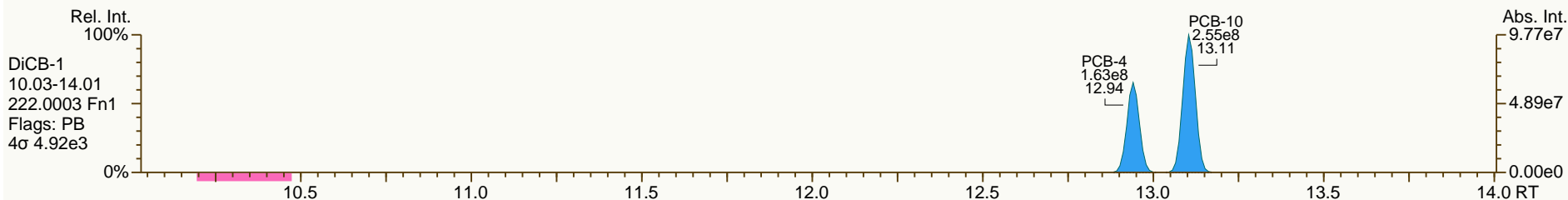
Lab ID: CS4_120725_PCB_XB
 Acquired: 26-JUL-2012 06:32
 Datafile: 120725X19

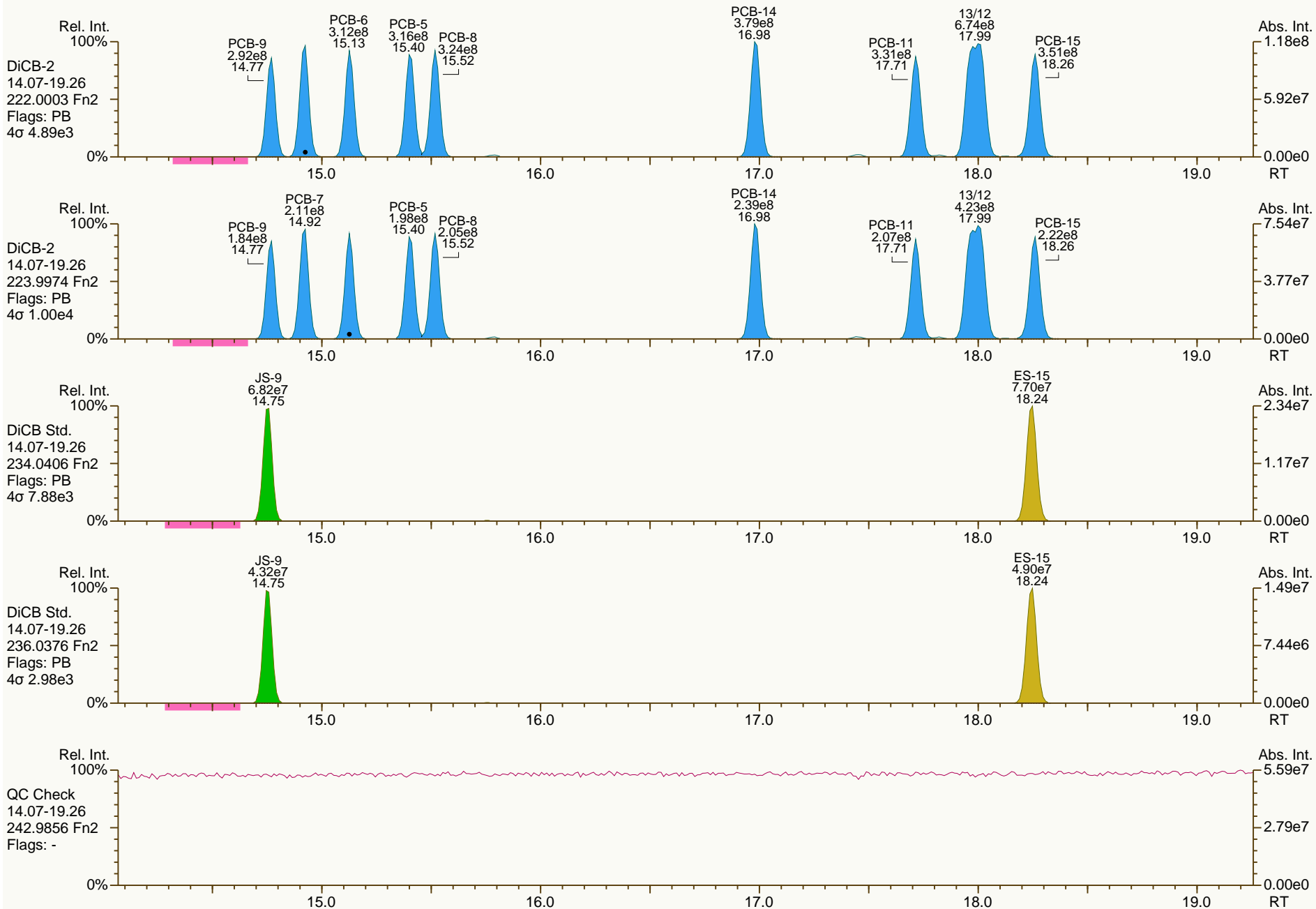
ICAL: MM7_PCB_07132012_25JUL12

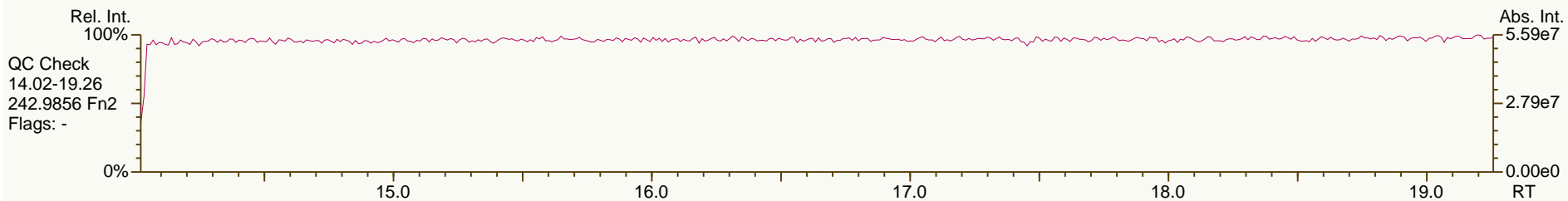
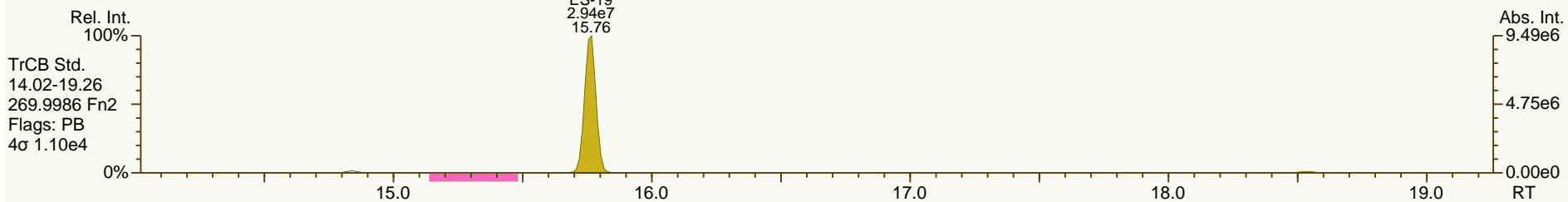
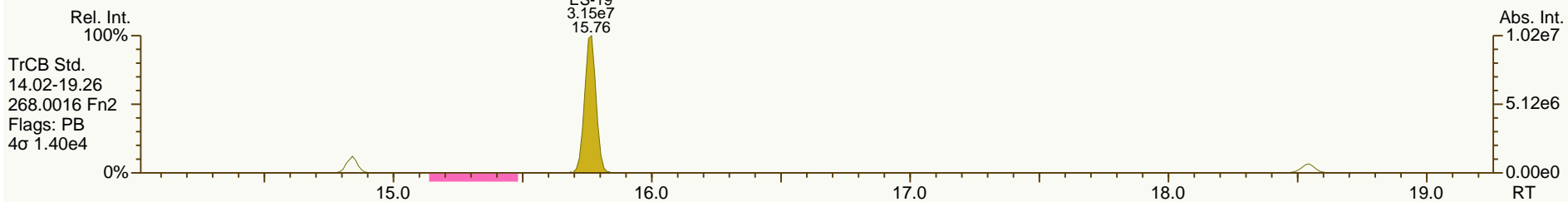
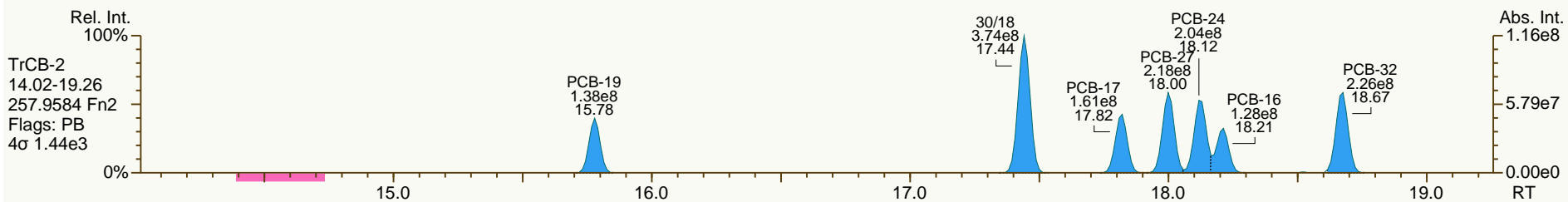
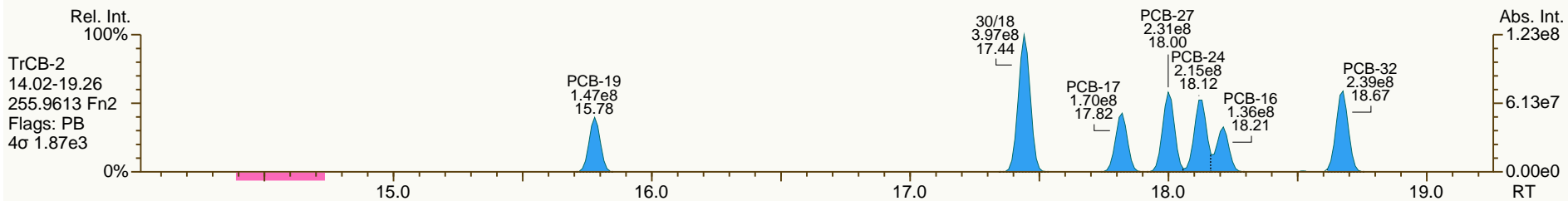
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-176 22'33'466'-HpCB	33.98	2.48E+08	1.05 Y	1.05	1.10	5.1%
PCB-186 22'34566'-HpCB	34.36	2.33E+08	1.05 Y	0.98	1.03	5.4%
PCB-178 22'33'55'6'-HpCB	35.51	1.74E+08	1.06 Y	0.74	0.77	4.8%
PCB-175 22'33'45'6'-HpCB	36.05	2.17E+08	1.06 Y	1.01	1.08	6.8%
PCB-187 22'34'55'6'-HpCB	36.28	2.28E+08	1.05 Y	1.06	1.13	6.4%
PCB-182 22'344'56'-HpCB	36.45	2.33E+08	1.05 Y	1.11	1.15	3.9%
PCB-183 22'344'5'6'-HpCB	36.80	2.54E+08	1.05 Y	1.13	1.26	11.0%
PCB-185 22'3455'6'-HpCB	36.87	2.08E+08	1.06 Y	1.02	1.03	1.3%
PCB-174 22'33'456'-HpCB	36.98	1.93E+08	1.06 Y	0.93	0.96	3.3%
PCB-177 22'33'4'56'-HpCB	37.35	1.93E+08	1.05 Y	0.91	0.96	5.8%
PCB-181 22'344'56'-HpCB	37.69	2.24E+08	1.05 Y	1.06	1.11	4.4%
PCB-171/173 22'33'44'6'-/22'3	37.86	3.92E+08	1.05 Y	0.93	0.97	4.8%
PCB-172 22'33'455'-HpCB	39.23	2.02E+08	1.05 Y	0.95	1.00	4.8%
PCB-192 233'455'6'-HpCB	39.48	2.62E+08	1.05 Y	1.24	1.30	4.8%
PCB-180/193 22'344'55'-/233'	39.75	4.93E+08	1.06 Y	1.16	1.22	5.5%
PCB-191 233'44'5'6'-HpCB	40.07	2.73E+08	1.05 Y	1.30	1.36	4.1%
PCB-170 22'33'44'5'-HpCB	40.82	1.97E+08	1.05 Y	1.07	1.13	5.3%
PCB-190 233'44'56'-HpCB	41.27	2.68E+08	1.05 Y	1.45	1.54	6.1%
PCB-202 22'33'55'66'-OcCB	37.46	2.09E+08	0.90 Y	0.91	0.96	4.8%
PCB-201 22'33'45'66'-OcCB	38.23	2.34E+08	0.90 Y	1.02	1.07	5.1%
PCB-204 22'344'566'-OcCB	38.81	2.20E+08	0.91 Y	0.98	1.01	3.5%
PCB-197 22'33'44'66'-OcCB	38.99	2.43E+08	0.89 Y	1.06	1.12	4.9%
PCB-200 22'33'4566'-OcCB	39.07	2.20E+08	0.90 Y	0.96	1.01	5.2%
PCB-198/199 22'33'455'6'-/22'	41.40	3.30E+08	0.90 Y	0.72	0.76	5.6%
PCB-196 22'33'44'56'-OcCB	41.97	1.71E+08	0.90 Y	0.73	0.79	7.5%
PCB-203 22'344'55'6'-OcCB	42.14	1.78E+08	0.91 Y	0.76	0.82	6.7%
PCB-195 22'33'44'56'-OcCB	43.24	1.78E+08	0.89 Y	0.80	0.85	6.2%
PCB-194 22'33'44'55'-OcCB	45.19	1.91E+08	0.90 Y	0.87	0.91	4.1%
PCB-205 233'44'55'6'-OcCB	45.58	2.39E+08	0.90 Y	1.09	1.14	4.7%
PCB-208 22'33'455'66'-NoCB	43.04	2.24E+08	0.78 Y	1.02	1.08	6.2%
PCB-207 22'33'44'566'-NoCB	43.82	2.33E+08	0.78 Y	1.06	1.12	6.3%
PCB-206 22'33'44'55'6'-NoCB	47.04	1.58E+08	0.78 Y	0.98	1.04	6.1%

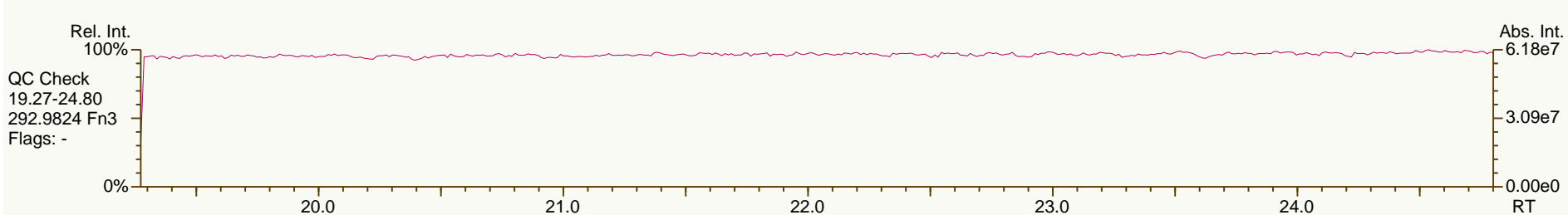
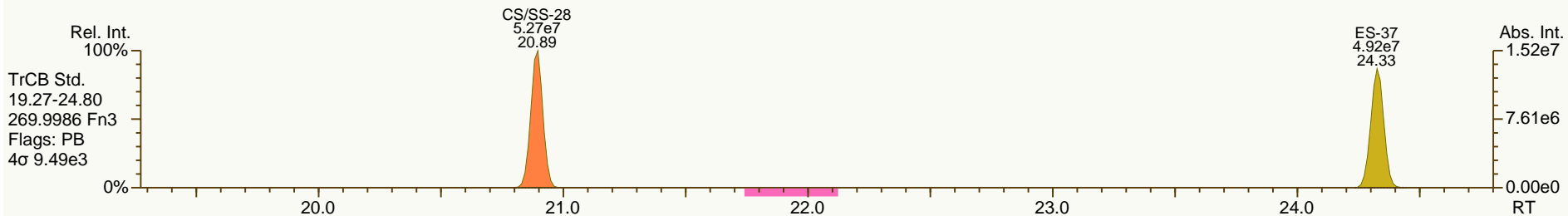
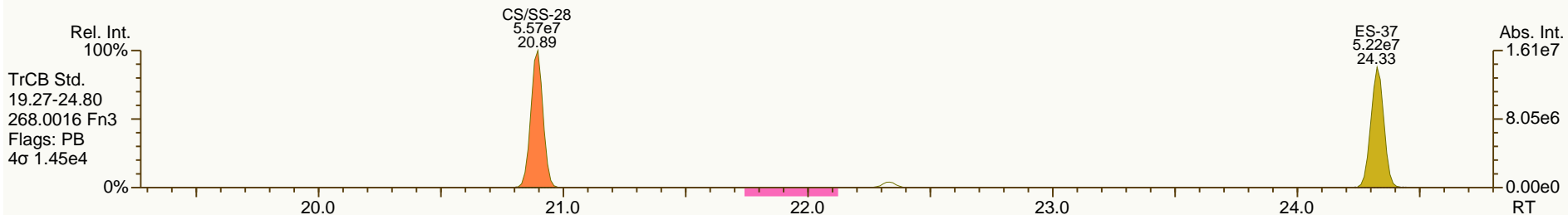
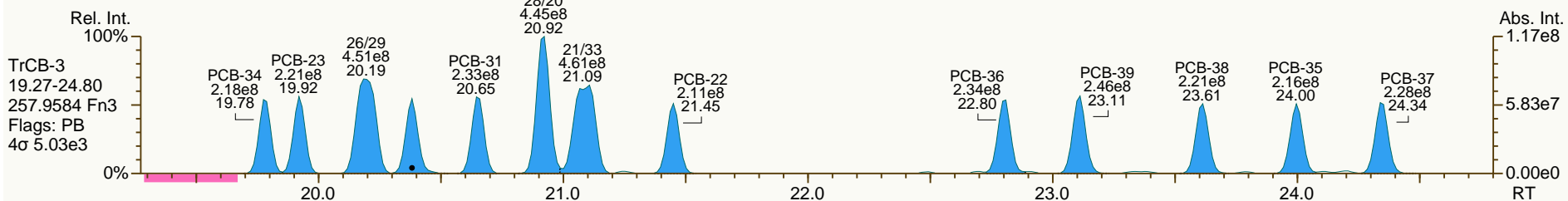
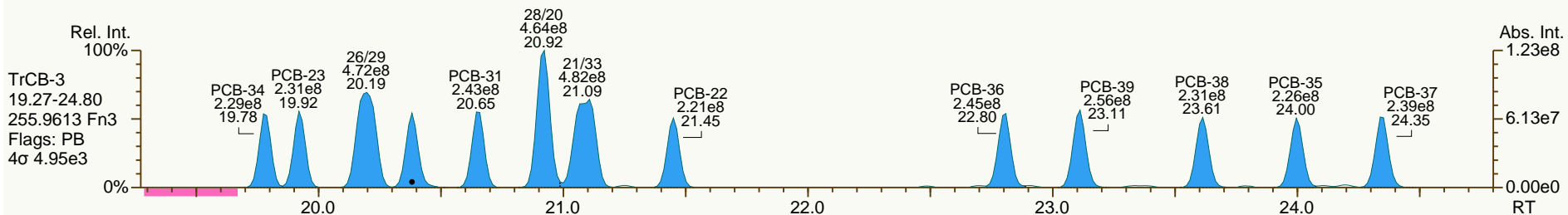


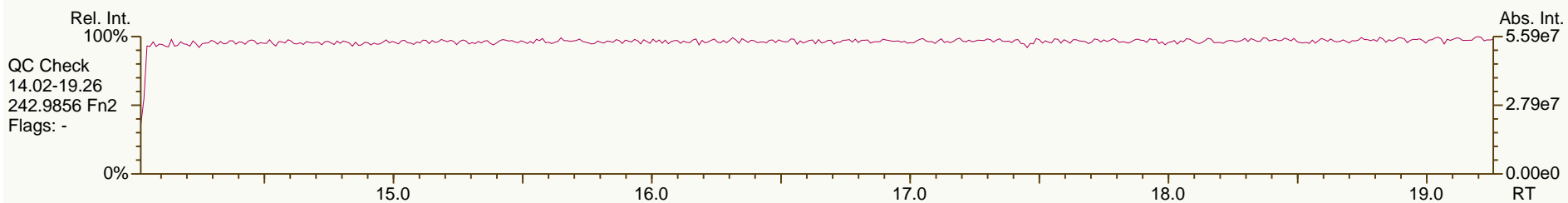
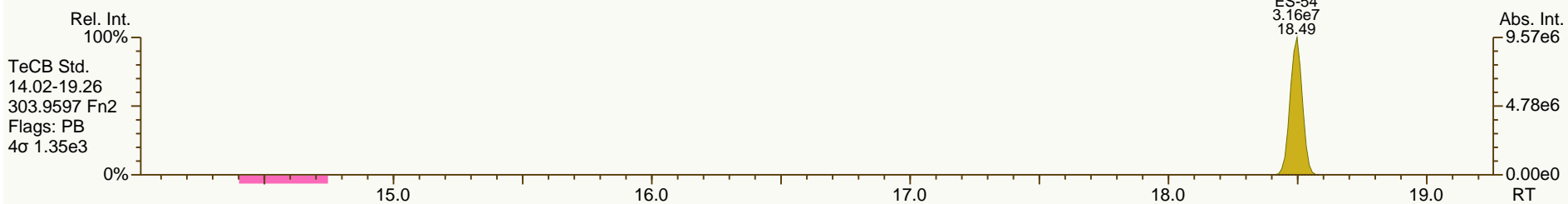
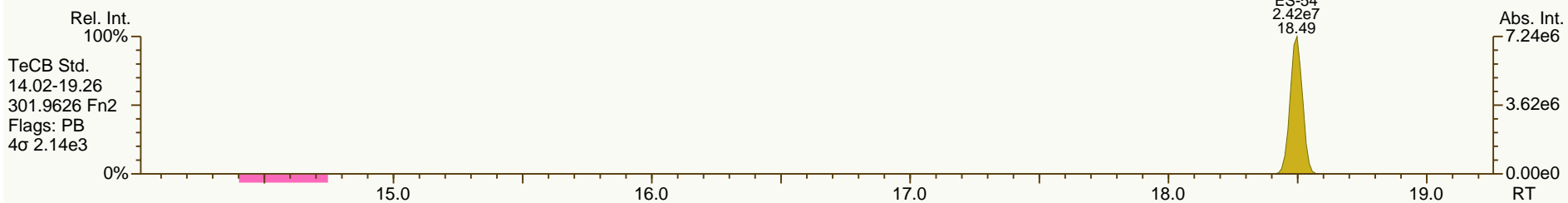
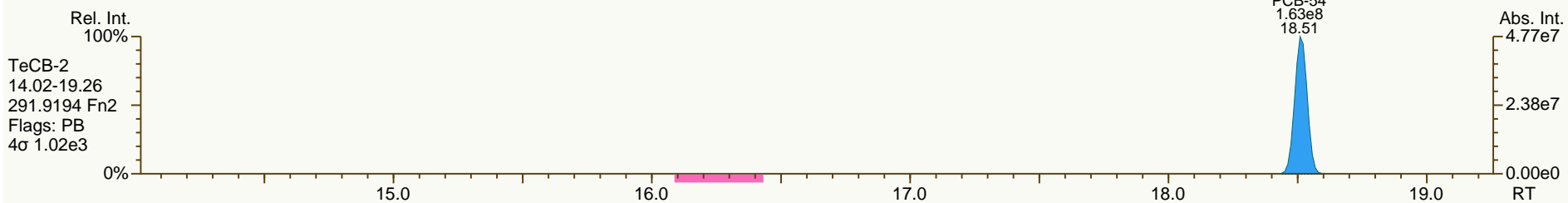
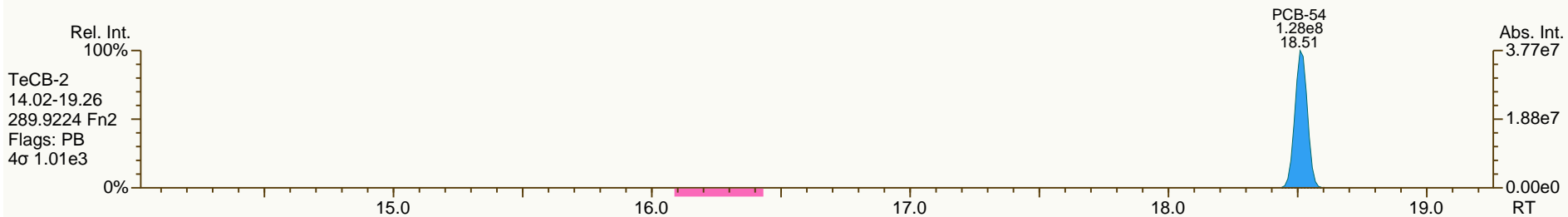


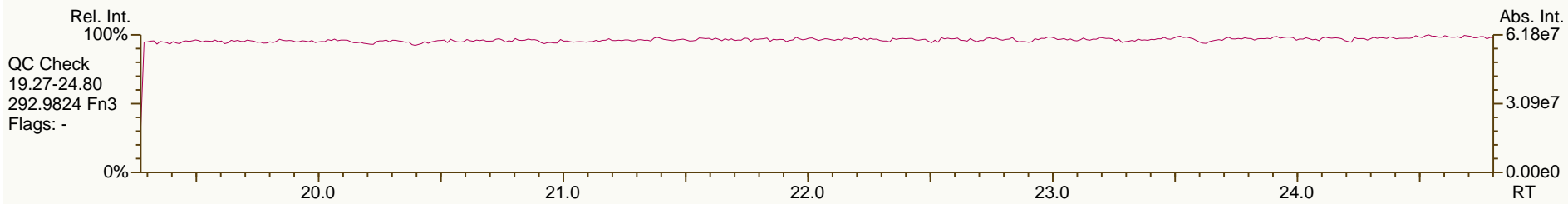
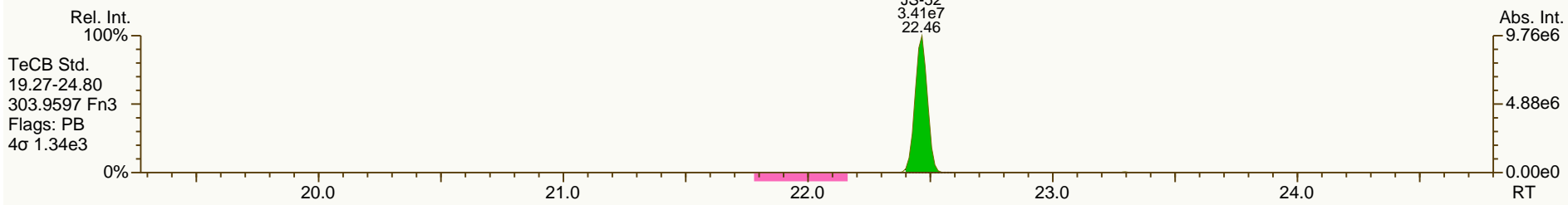
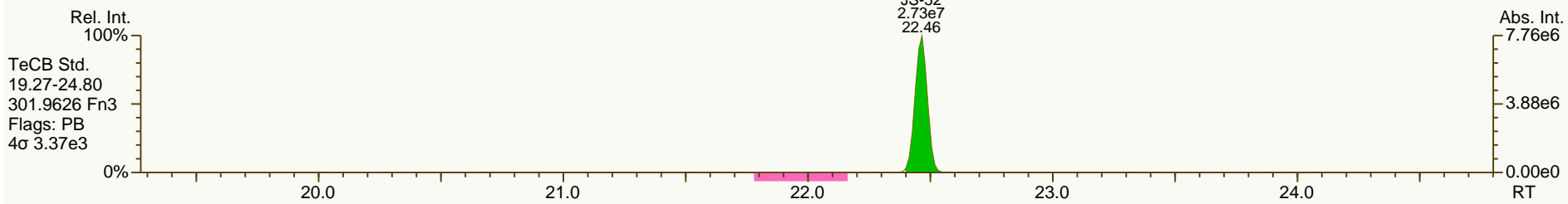
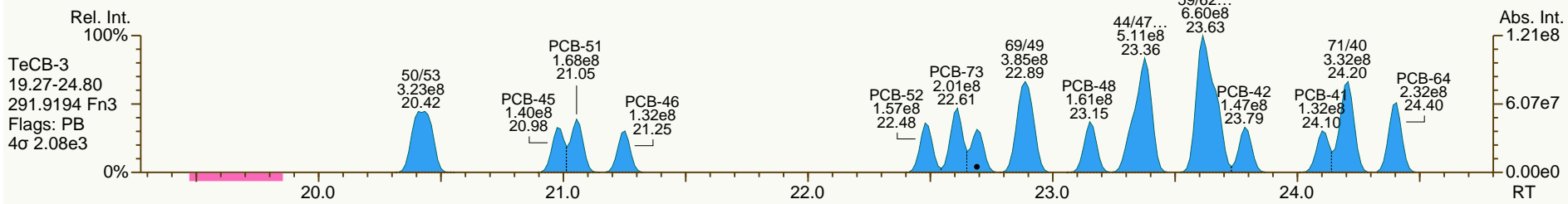
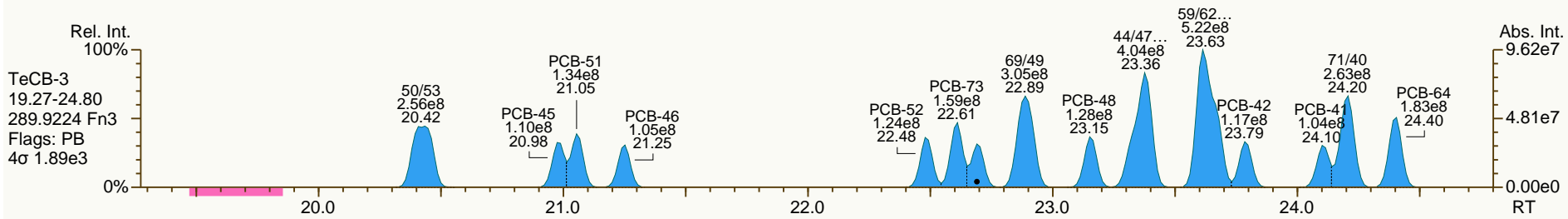


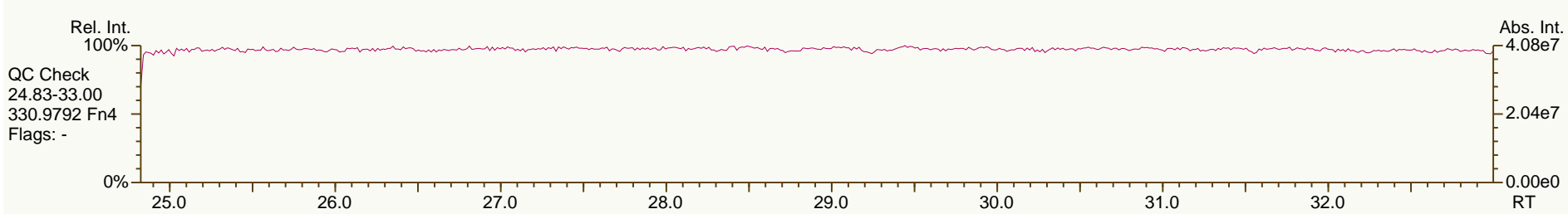
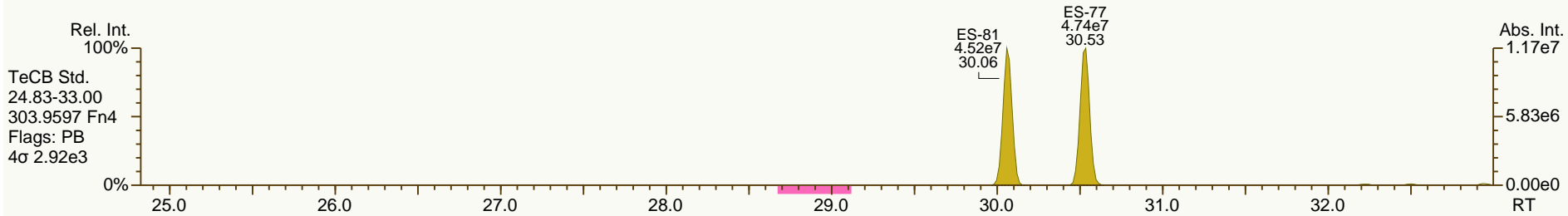
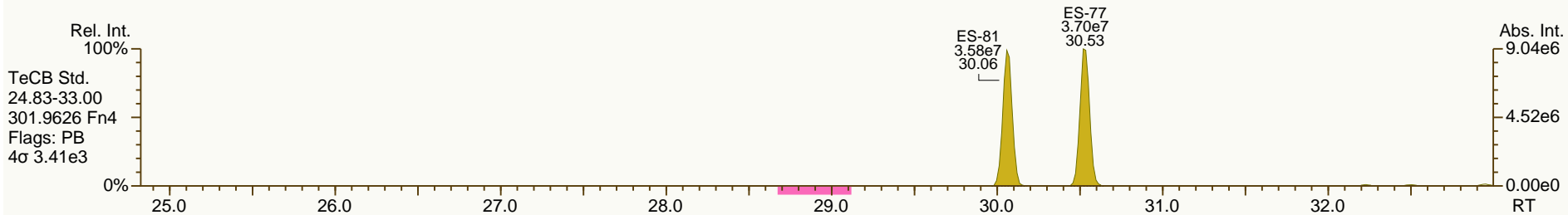
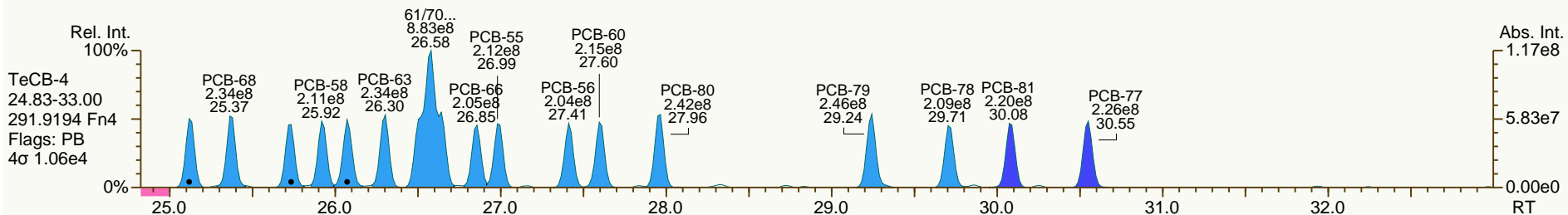
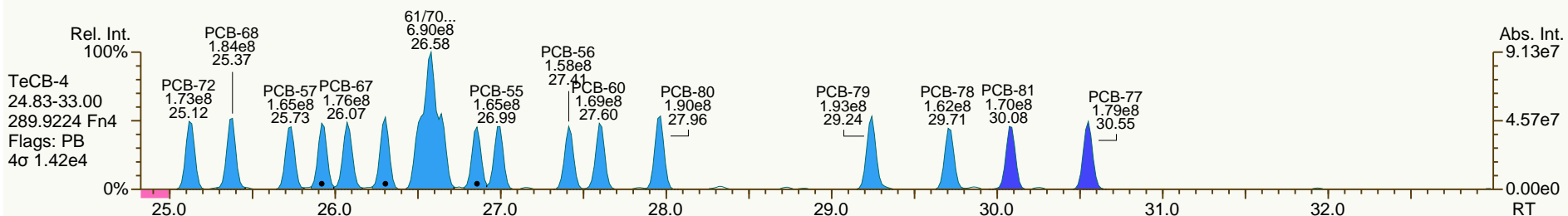


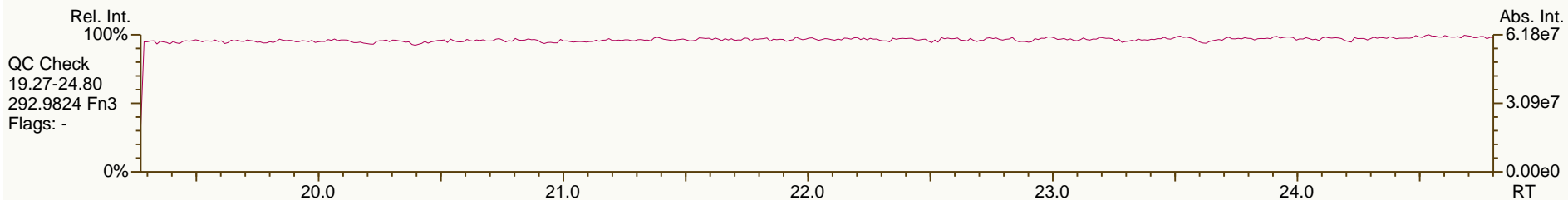
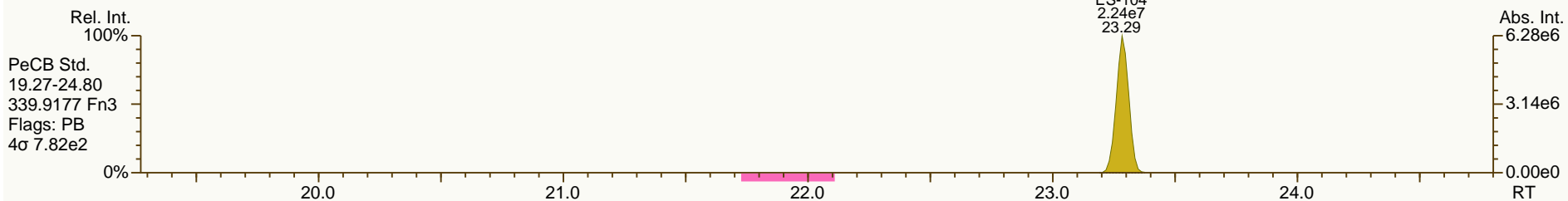
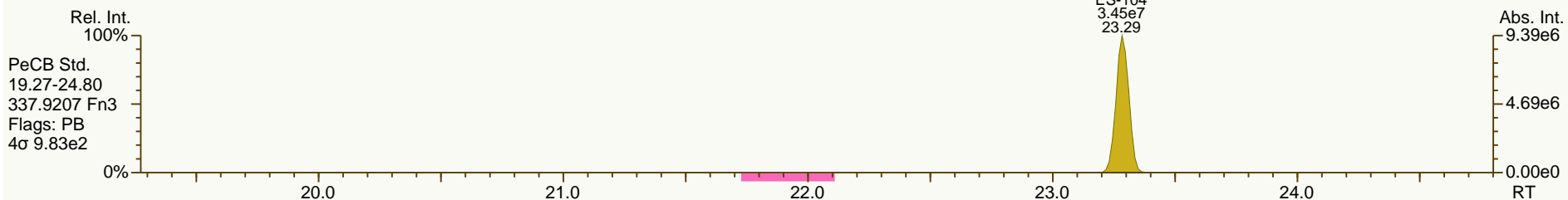
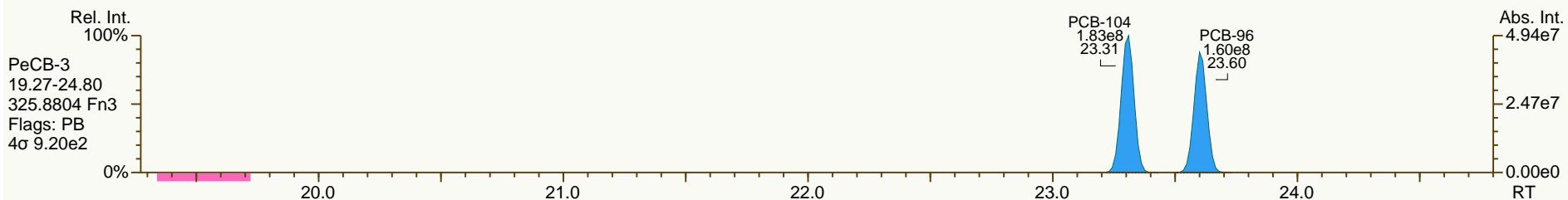
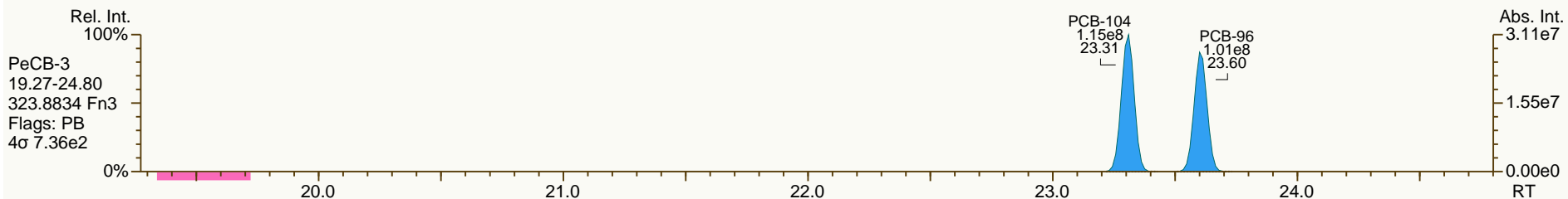


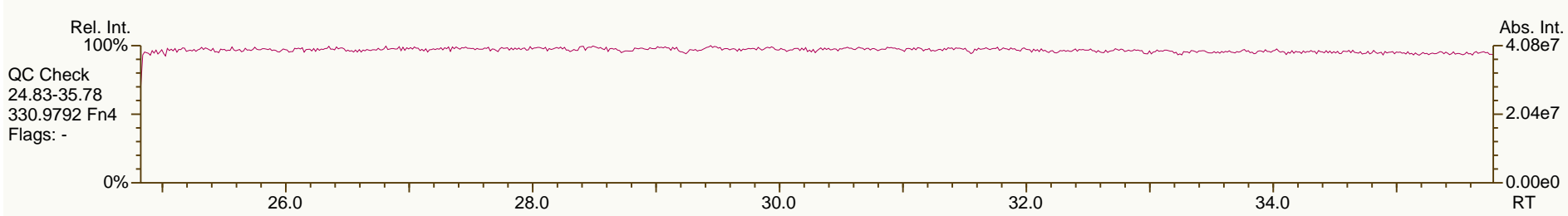
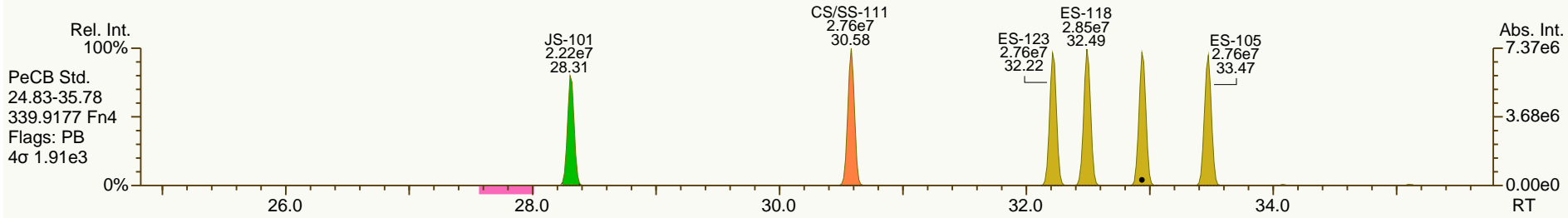
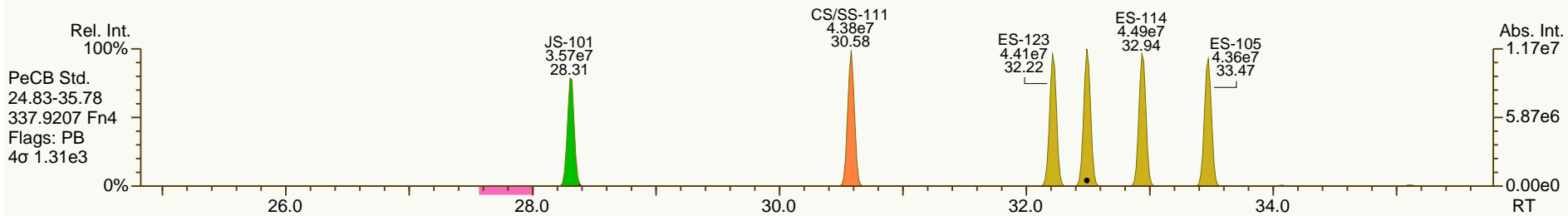
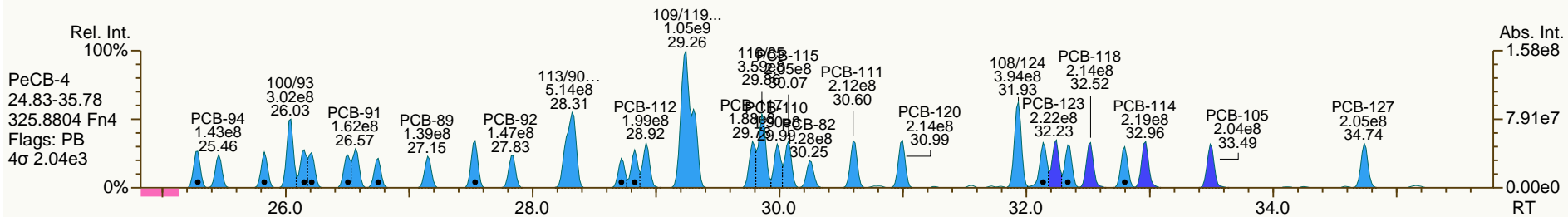
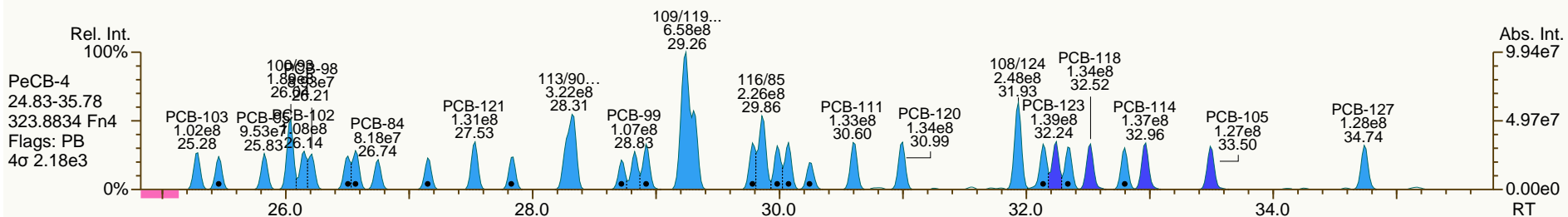


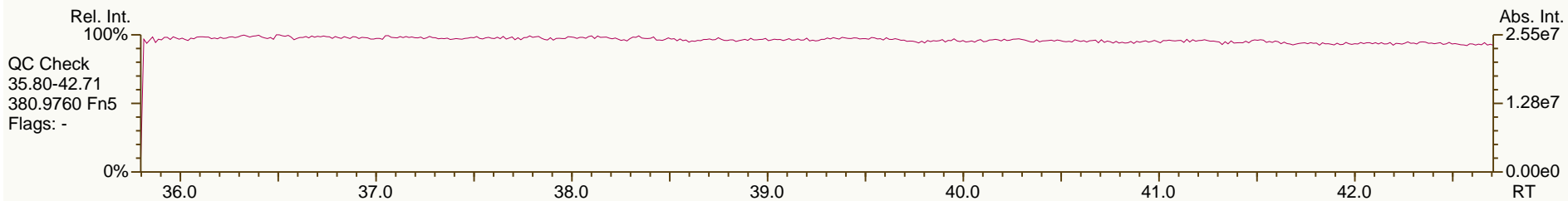
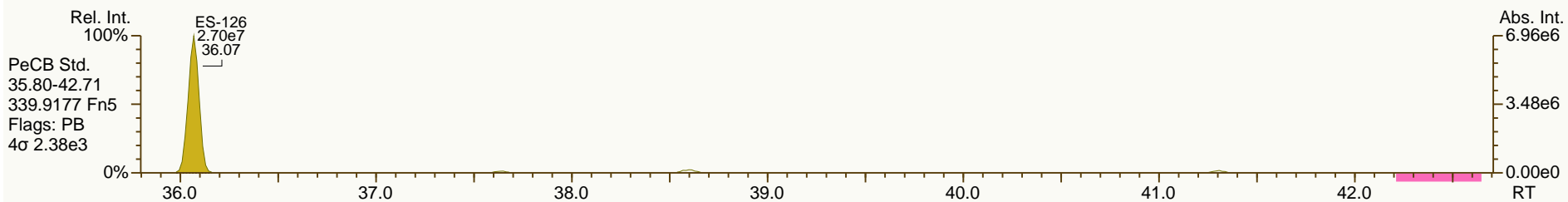
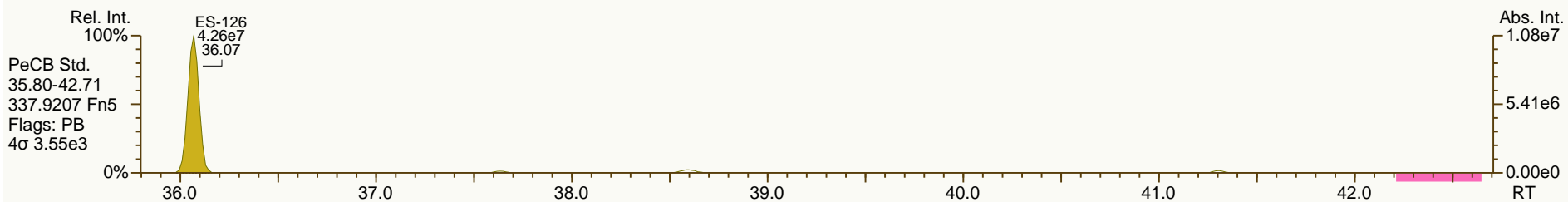
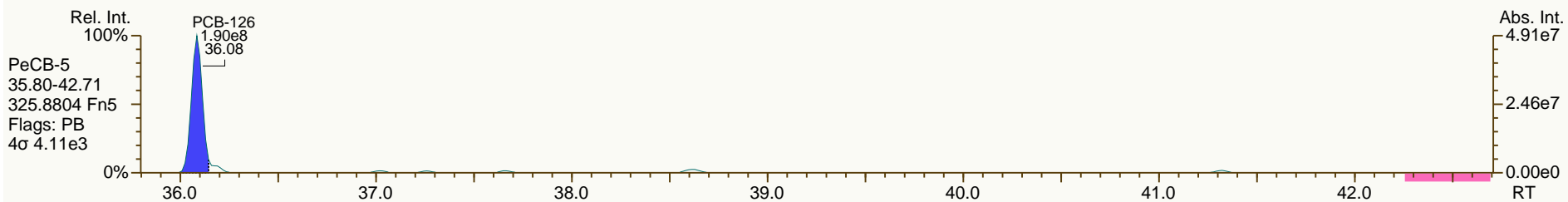
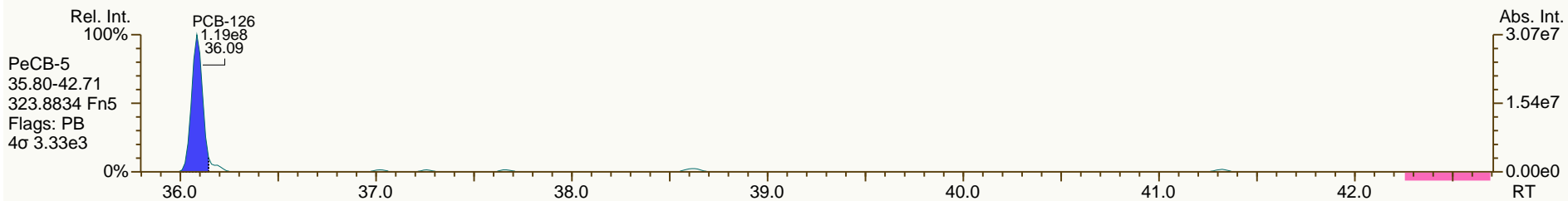


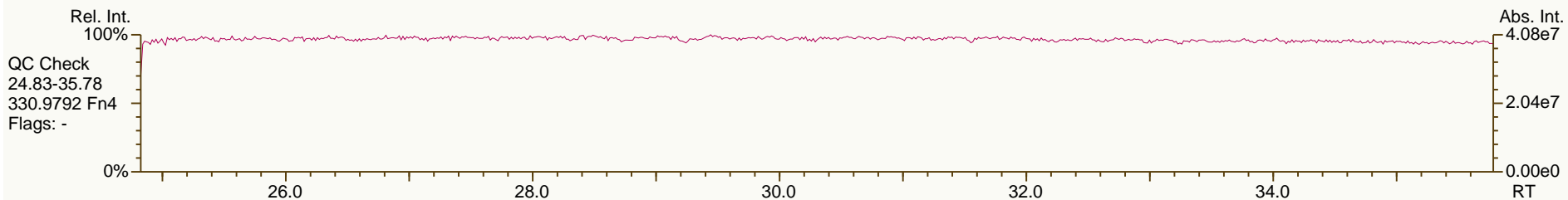
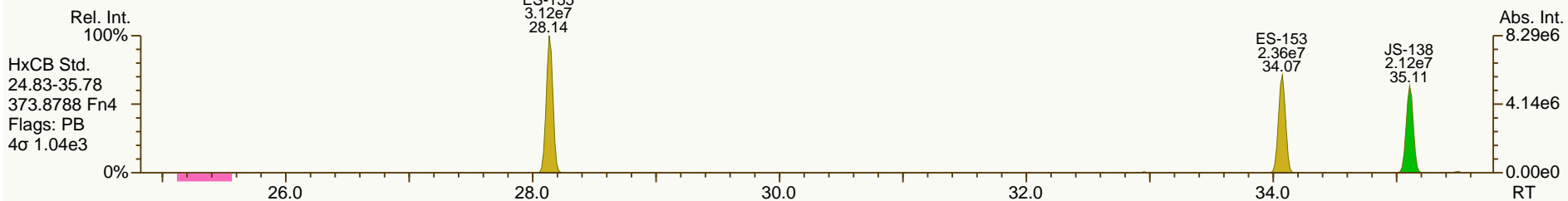
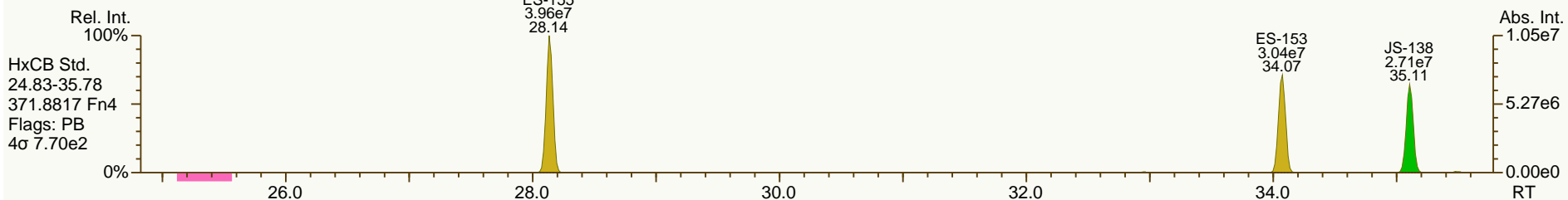
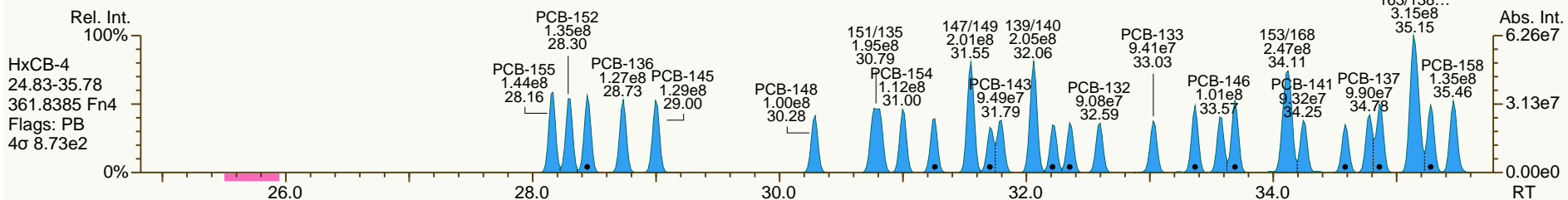
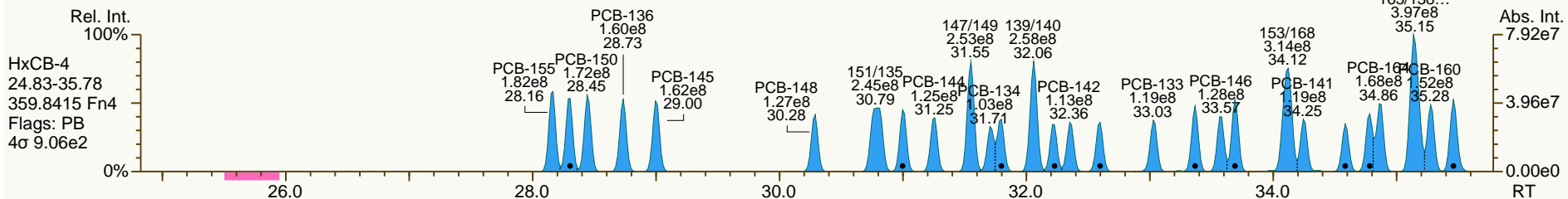


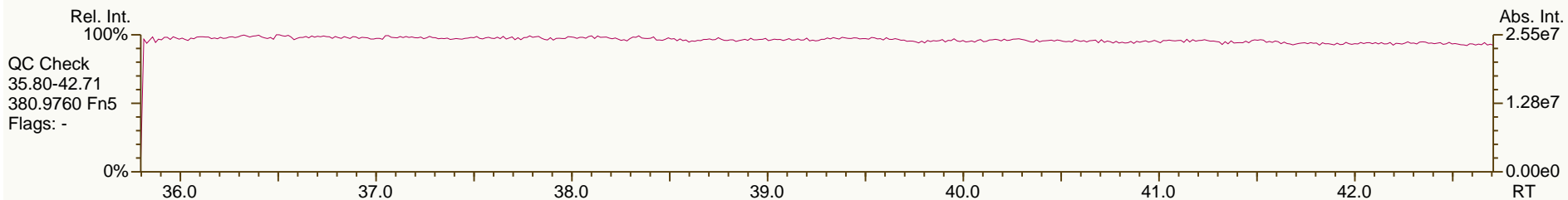
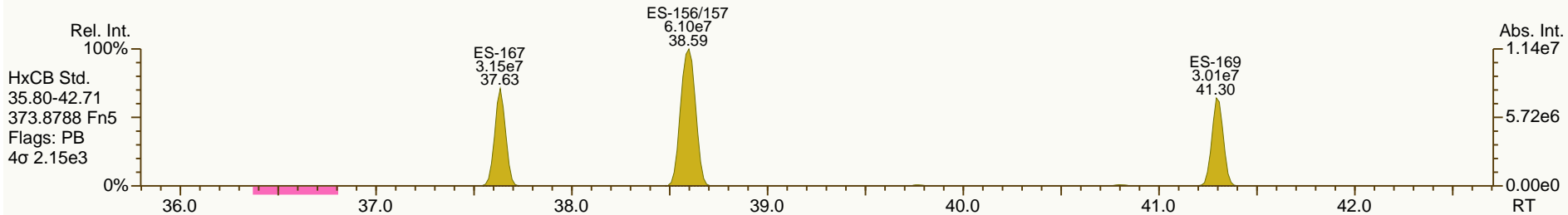
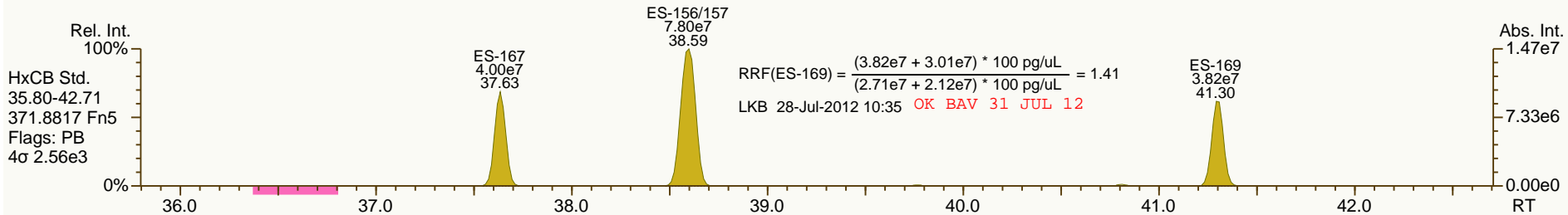
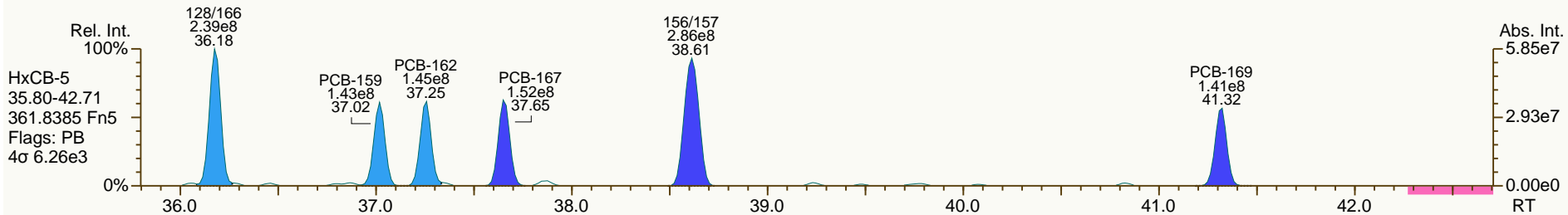
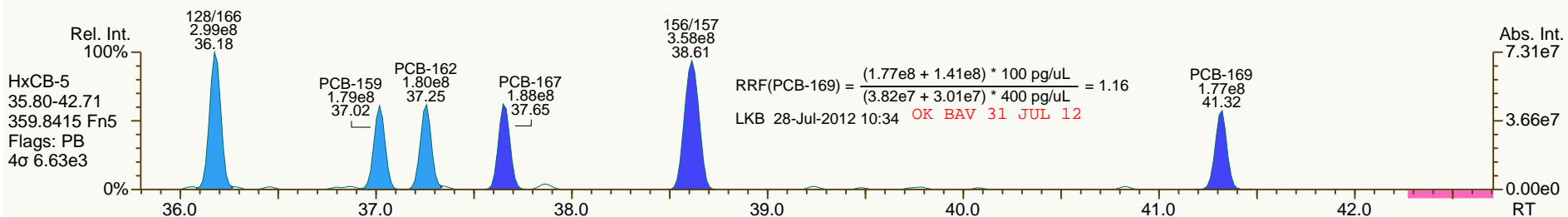


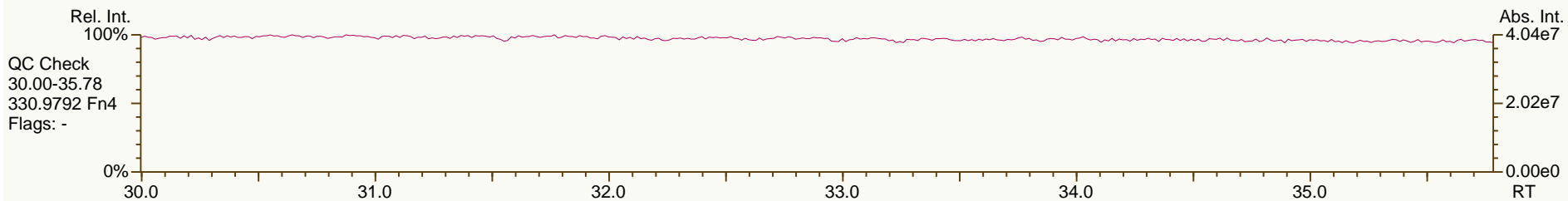
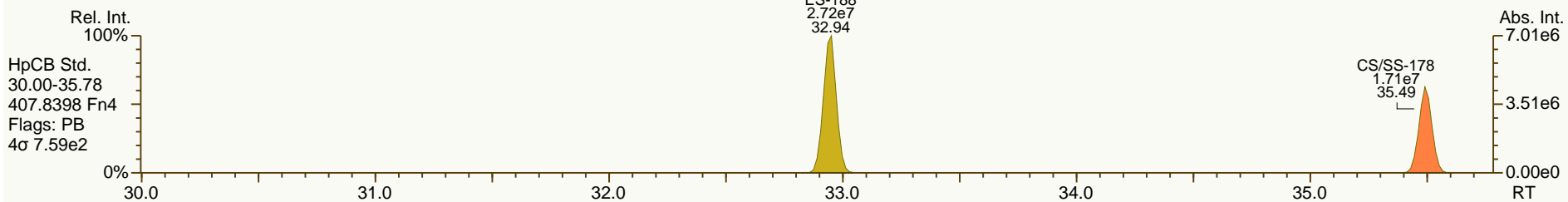
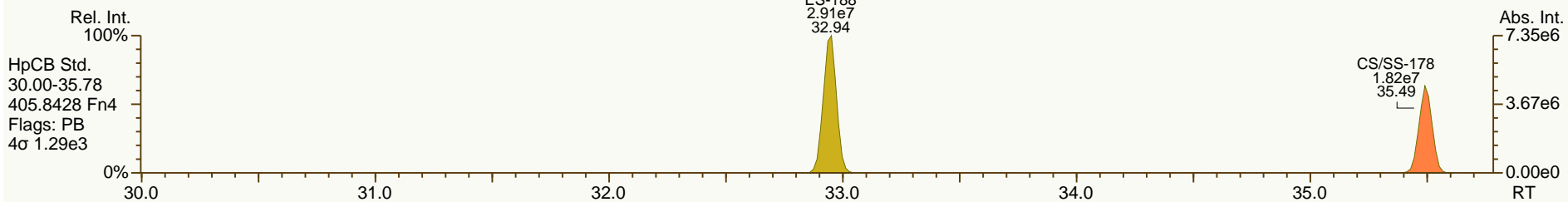
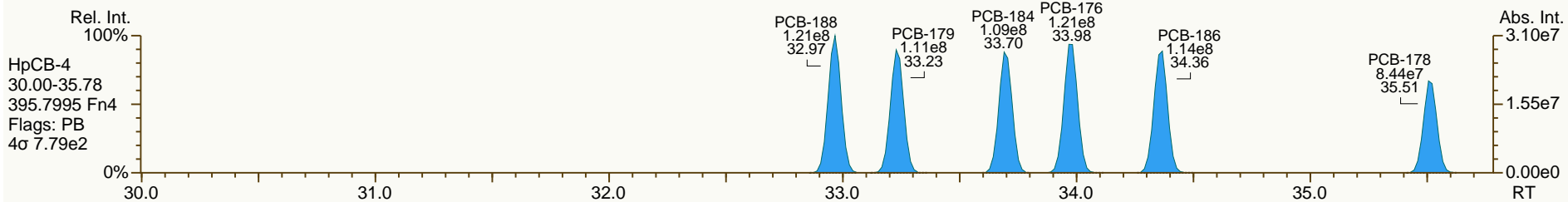
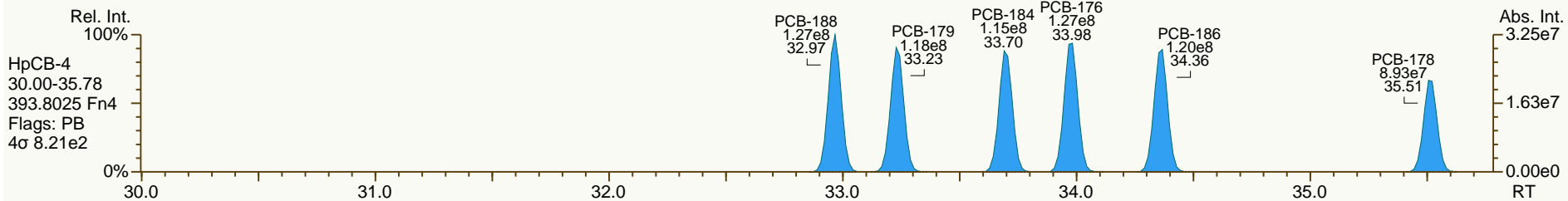


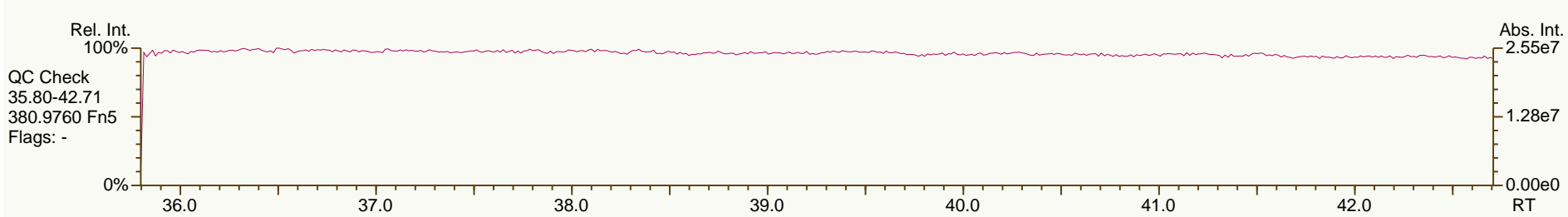
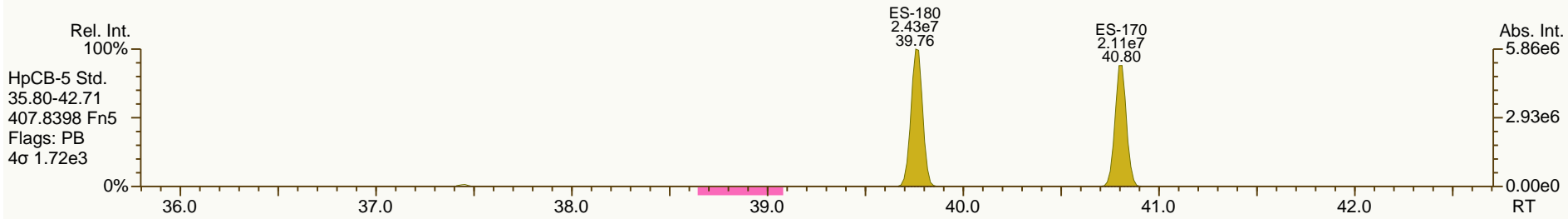
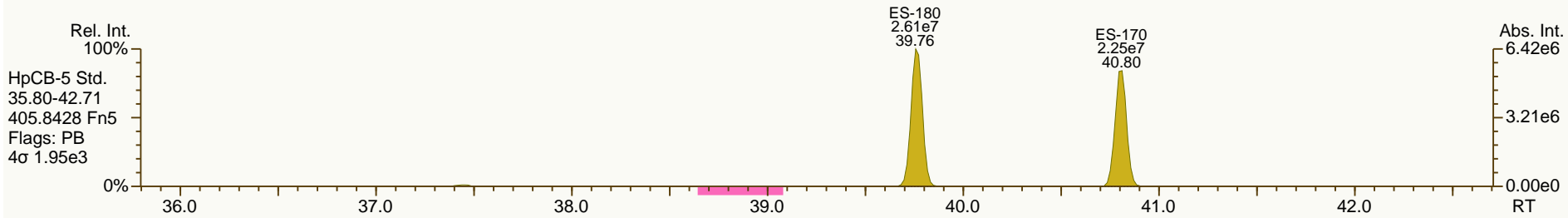
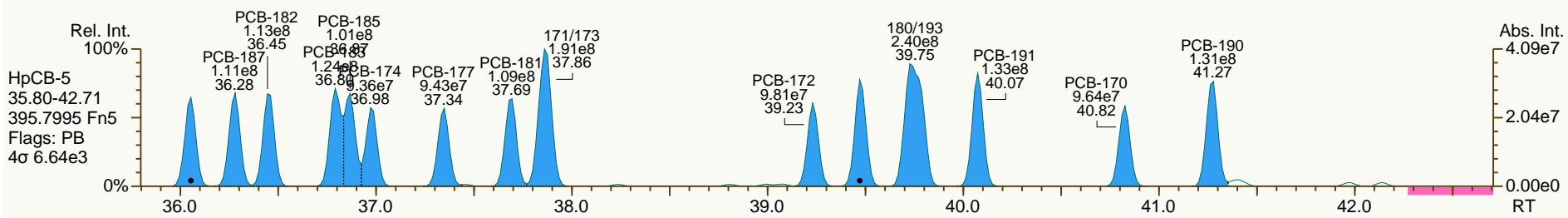
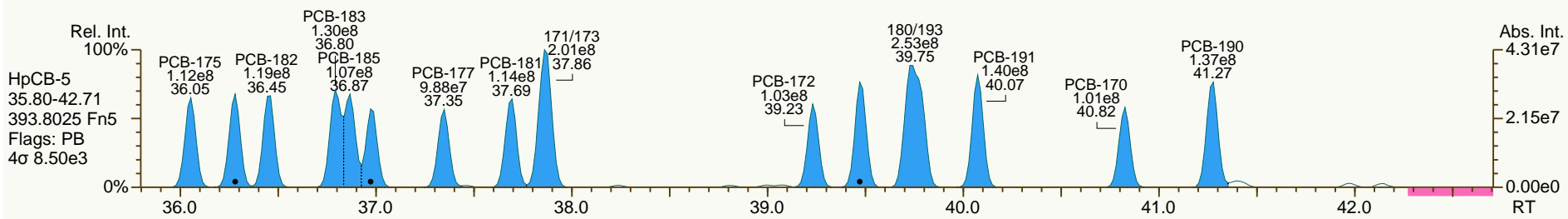


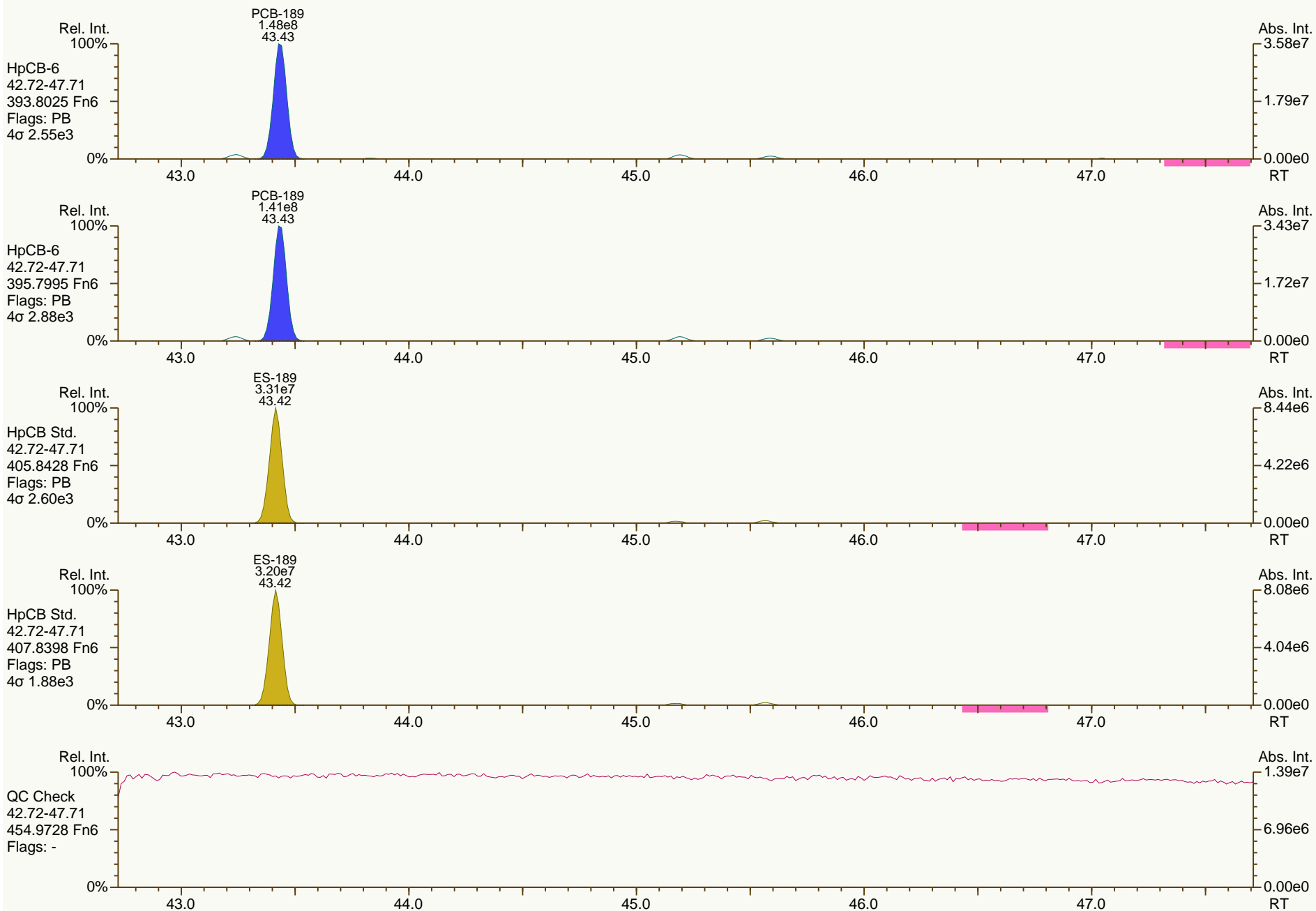


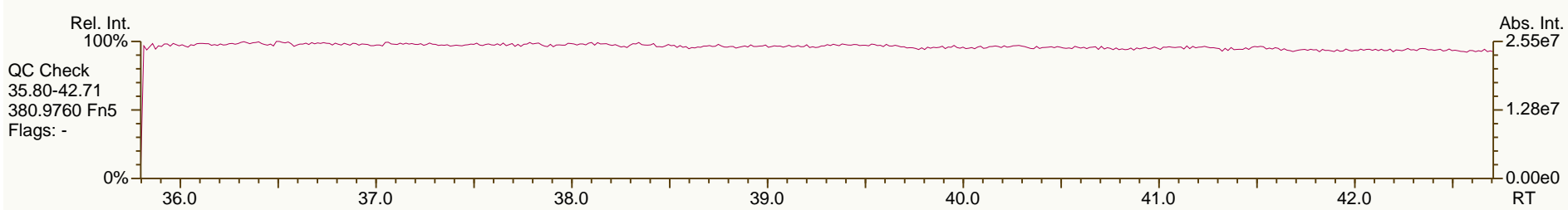
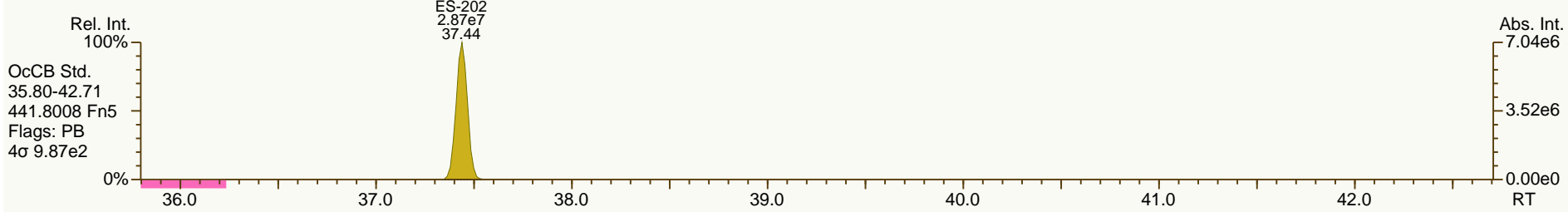
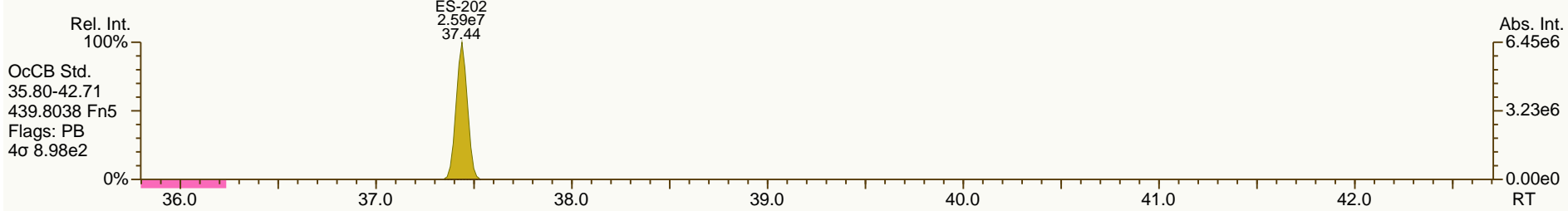
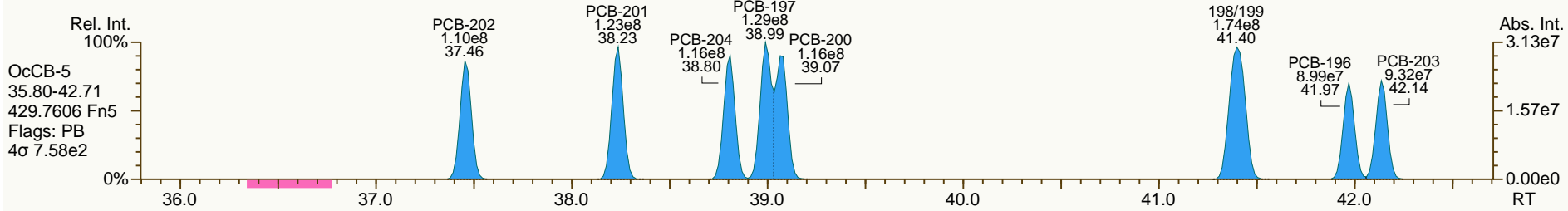
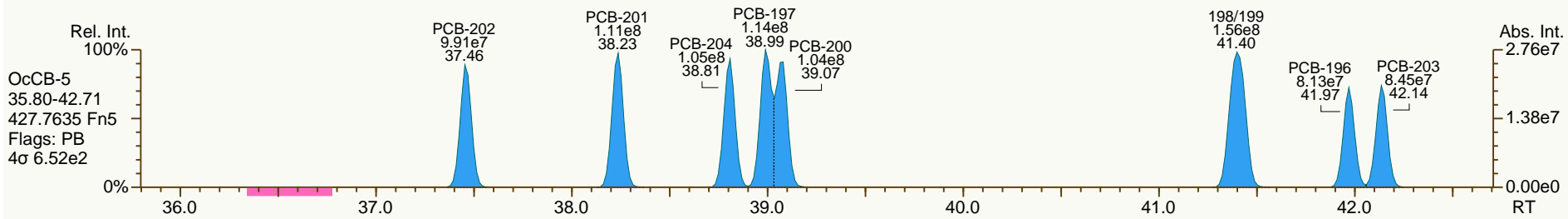


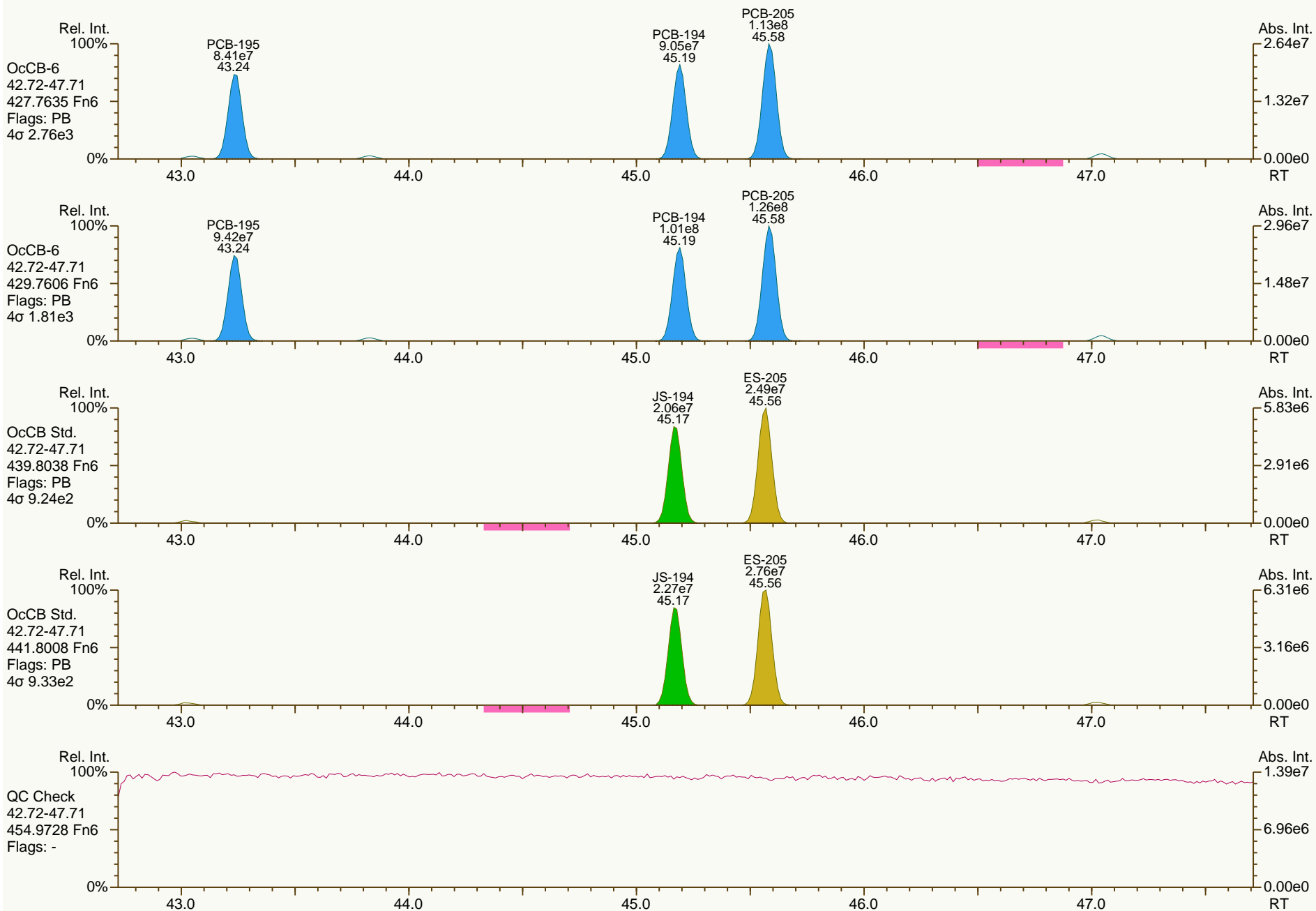




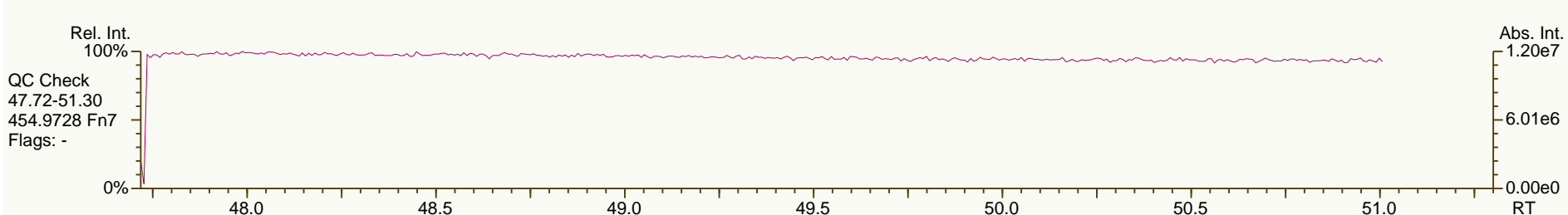
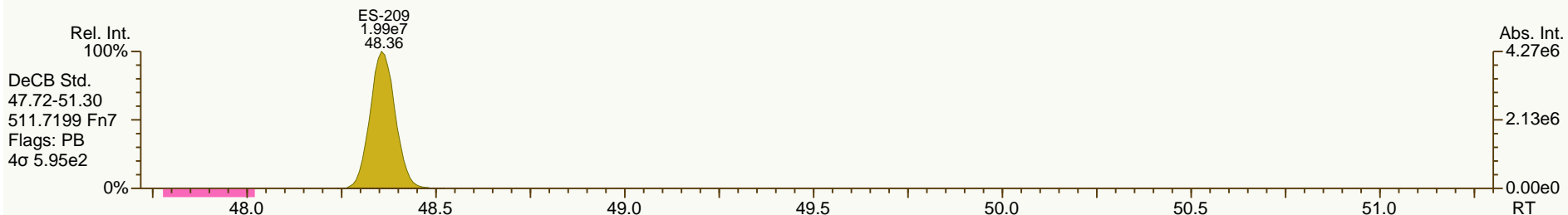
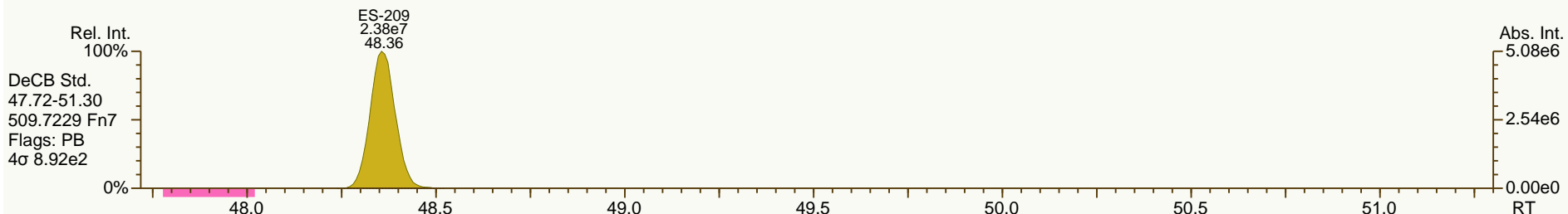
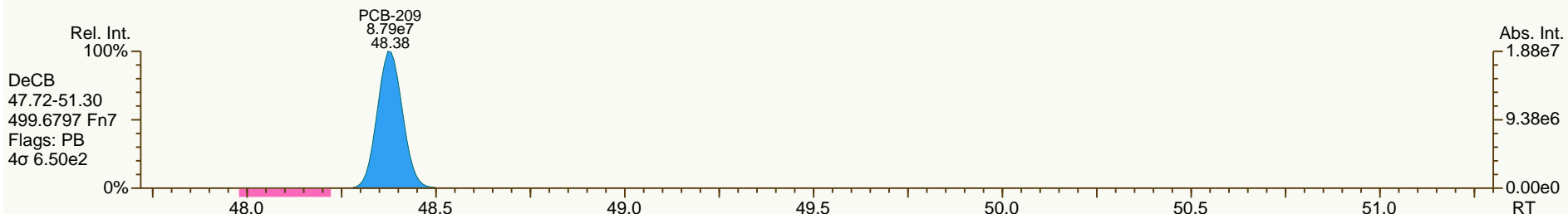
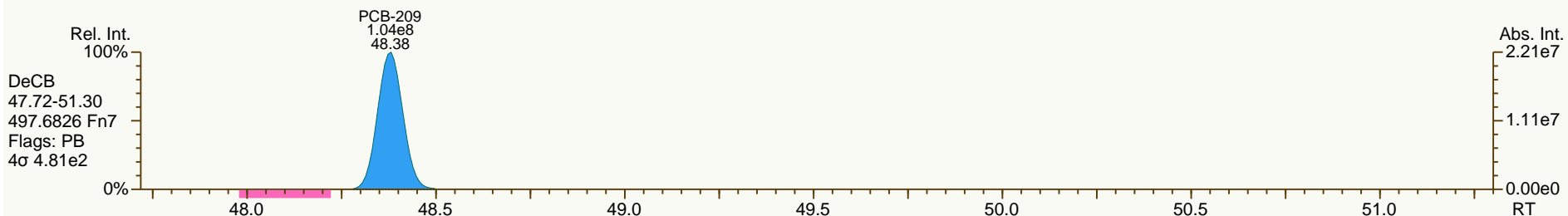












PCB QC Summary

SGS Analytical Perspectives

Printed: 28-Jul-2012 10:15

Lab ID: CS5_120725_PCB_XB
 Acquired: 26-JUL-2012 07:26
 Datafile: 120725X20

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	30.54	2.29E+09	0.79 Y	1.13	1.18	3.9%
PCB-81 344'5'-TeCB	30.07	2.20E+09	0.79 Y	1.13	1.18	4.6%
PCB-105 233'44'-PeCB	33.48	1.80E+09	0.63 Y	1.09	1.13	3.0%
PCB-114 2344'5'-PeCB	32.95	1.90E+09	0.63 Y	1.16	1.20	3.1%
PCB-118 23'44'5'-PeCB	32.51	1.86E+09	0.63 Y	1.11	1.12	1.3%
PCB-123 2'344'5'-PeCB	32.23	1.94E+09	0.63 Y	1.19	1.23	3.4%
PCB-126 33'44'5'-PeCB	36.08	1.76E+09	0.63 Y	1.06	1.12	5.8%
PCB-156/157 233'44'5'/233'44'5'	38.60	3.47E+09	1.25 Y	1.11	1.12	1.0%
PCB-167 23'44'55'-HxCB	37.65	1.84E+09	1.25 Y	1.14	1.17	2.8%
PCB-169 33'44'55'-HxCB	41.31	1.70E+09	1.26 Y	1.11	1.14	2.7%
PCB-189 233'44'55'-HpCB	43.42	1.56E+09	1.05 Y	1.06	1.10	3.7%
PCB-209 DeCB	48.37	9.96E+08	1.18 Y	1.07	1.07	-0.3%
ES PCB-1	10.63	1.48E+08	3.19 Y	1.08	1.09	0.9%
ES PCB-3	12.69	1.49E+08	3.21 Y	1.08	1.10	1.4%
ES PCB-4	12.91	6.61E+07	1.61 Y	0.49	0.49	-0.3%
ES PCB-15	18.23	1.52E+08	1.59 Y	1.11	1.12	0.7%
ES PCB-19	15.75	7.38E+07	1.06 Y	0.55	0.54	-1.9%
ES PCB-37	24.32	1.21E+08	1.07 Y	1.64	1.67	2.1%
ES PCB-54	18.48	6.74E+07	0.79 Y	0.94	0.93	-0.9%
ES PCB-77	30.52	9.71E+07	0.79 Y	1.35	1.34	-0.3%
ES PCB-81	30.05	9.32E+07	0.80 Y	1.29	1.29	0.1%
ES PCB-104	23.28	6.50E+07	1.56 Y	0.99	1.00	0.7%
ES PCB-105	33.46	7.99E+07	1.59 Y	1.23	1.23	-0.3%
ES PCB-114	32.93	7.95E+07	1.59 Y	1.25	1.22	-2.0%
ES PCB-118	32.48	8.30E+07	1.62 Y	1.28	1.28	-0.3%
ES PCB-123	32.21	7.90E+07	1.59 Y	1.22	1.22	-0.2%
ES PCB-126	36.06	7.84E+07	1.58 Y	1.20	1.21	0.6%
ES PCB-153	34.06	6.01E+07	1.25 Y	1.14	1.15	0.4%
ES PCB-155	28.13	7.88E+07	1.27 Y	1.50	1.50	0.4%
ES PCB-156/157	38.58	1.55E+08	1.29 Y	1.45	1.48	1.5%
ES PCB-167	37.62	7.86E+07	1.28 Y	1.49	1.50	0.3%
ES PCB-169	41.29	7.46E+07	1.27 Y	1.40	1.42	1.2%
ES PCB-170	40.79	4.67E+07	1.05 Y	1.00	1.00	-0.2%
ES PCB-180	39.75	5.51E+07	1.05 Y	1.16	1.18	1.8%
ES PCB-188	32.93	6.18E+07	1.06 Y	1.18	1.18	0.0%
ES PCB-189	43.40	7.11E+07	1.04 Y	1.49	1.52	2.3%
ES PCB-202	37.43	5.96E+07	0.89 Y	1.14	1.14	0.0%
ES PCB-205	45.55	5.70E+07	0.90 Y	1.20	1.22	1.4%
ES PCB-206	47.01	4.08E+07	0.78 Y	0.87	0.87	0.4%
ES PCB-208	43.01	5.57E+07	0.79 Y	1.19	1.19	0.2%
ES PCB-209	48.35	4.66E+07	1.18 Y	1.00	1.00	-0.5%

PCB QC Summary

SGS Analytical Perspectives

Printed: 28-Jul-2012 10:15

Lab ID: CS5_120725_PCB_XB
 Acquired: 26-JUL-2012 07:26
 Datafile: 120725X20

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	20.88	1.28E+08	1.06 Y	1.07	1.06	-1.3%
SS PCB-111	30.57	8.01E+07	1.60 Y	1.01	1.01	0.8%
SS PCB-178	35.48	3.91E+07	1.07 Y	0.63	0.63	0.7%
CS PCB-28	20.88	1.28E+08	1.06 Y	1.76	1.77	0.8%
CS PCB-111	30.57	8.01E+07	1.60 Y	1.23	1.23	0.6%
CS PCB-178	35.48	3.91E+07	1.07 Y	0.74	0.74	0.7%
JS PCB-9	14.74	1.36E+08	1.58 Y	-	-	-
JS PCB-52	22.45	7.23E+07	0.79 Y	-	-	-
JS PCB-101	28.30	6.50E+07	1.60 Y	-	-	-
JS PCB-138	35.10	5.25E+07	1.26 Y	-	-	-
JS PCB-194	45.16	4.67E+07	0.91 Y	-	-	-
PCB-1 2-MoCB	10.64	3.25E+09	3.15 Y	1.03	1.10	6.3%
PCB-3 4-MoCB	12.70	3.36E+09	3.20 Y	1.04	1.13	7.8%
PCB-4 22'-DiCB	12.93	1.61E+09	1.59 Y	1.17	1.21	3.8%
PCB-15 44'-DiCB	18.25	3.41E+09	1.58 Y	1.08	1.12	3.7%
PCB-19 22'6'-TrCB	15.77	1.68E+09	1.06 Y	1.09	1.14	4.2%
PCB-37 344'-TrCB	24.34	2.72E+09	1.05 Y	1.10	1.12	1.8%
PCB-54 22'66'-TeCB	18.50	1.69E+09	0.80 Y	1.21	1.25	3.7%
PCB-104 22'466'-PeCB	23.30	1.65E+09	0.63 Y	1.25	1.27	0.9%
PCB-153 22'44'55' -HxCB	34.10	3.01E+09	1.27 Y	1.22	1.25	2.8%
PCB-155 22'44'66'-HxCB	28.15	1.78E+09	1.26 Y	1.09	1.13	3.8%
PCB-170 22'33'44'5'-HpCB	40.81	1.06E+09	1.05 Y	1.07	1.13	5.4%
PCB-180 22'344'55'-HpCB	39.74	2.64E+09	1.05 Y	1.16	1.20	3.4%
PCB-188 22'34'566'-HpCB	32.96	1.33E+09	1.05 Y	1.03	1.07	3.7%
PCB-202 22'33'55'66'-OcCB	37.45	1.12E+09	0.89 Y	0.91	0.94	2.7%
PCB-205 233'44'55'6'-OcCB	45.57	1.28E+09	0.90 Y	1.09	1.12	2.8%
PCB-208 22'33'455'66'-NoCB	43.03	1.18E+09	0.78 Y	1.02	1.06	4.3%
PCB-206 22'33'44'55'6'-NoCB	47.03	8.31E+08	0.78 Y	0.98	1.02	4.2%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:15

Lab ID: CS5_120725_PCB_XB
 Acquired: 26-JUL-2012 07:26
 Datafile: 120725X20

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.64	3.25E+09	3.15 Y	1.03	1.10	6.3%
PCB-2 3-MoCB	12.53	3.38E+09	3.21 Y	1.04	1.13	8.7%
PCB-3 4-MoCB	12.70	3.36E+09	3.20 Y	1.04	1.13	7.8%
PCB-4 22'-DiCB	12.93	1.61E+09	1.59 Y	1.17	1.21	3.8%
PCB-10 26-DiCB	13.09	2.50E+09	1.60 Y	1.83	1.89	3.0%
PCB-9 25-DiCB	14.75	2.87E+09	1.59 Y	0.89	0.95	5.7%
PCB-7 24-DiCB	14.91	3.29E+09	1.58 Y	1.02	1.08	5.6%
PCB-6 23'-DiCB	15.11	3.07E+09	1.59 Y	0.95	1.01	6.6%
PCB-5 23-DiCB	15.39	3.11E+09	1.59 Y	0.97	1.02	5.1%
PCB-8 24'-DiCB	15.51	3.17E+09	1.58 Y	0.98	1.04	5.9%
PCB-14 35-DiCB	16.97	3.71E+09	1.58 Y	1.16	1.22	5.3%
PCB-11 33'-DiCB	17.70	3.26E+09	1.59 Y	1.00	1.07	7.3%
PCB-13/12 34'-/34-DiCB	17.98	6.49E+09	1.58 Y	1.02	1.07	4.9%
PCB-15 44'-DiCB	18.25	3.41E+09	1.58 Y	1.08	1.12	3.7%
PCB-19 22'6-TrCB	15.77	1.68E+09	1.06 Y	1.09	1.14	4.2%
PCB-30/18 246-/22'5-TrCB	17.43	4.49E+09	1.06 Y	1.46	1.52	4.0%
PCB-17 22'4-TrCB	17.81	1.97E+09	1.06 Y	1.25	1.33	6.4%
PCB-27 23'6-TrCB	17.99	2.58E+09	1.06 Y	1.69	1.75	3.3%
PCB-24 236-TrCB	18.12	2.57E+09	1.05 Y	1.63	1.74	6.5%
PCB-16 22'3-TrCB	18.20	1.44E+09	1.06 Y	0.95	0.98	2.5%
PCB-32 24'6-TrCB	18.66	2.76E+09	1.05 Y	1.79	1.87	4.4%
PCB-34 2'35-TrCB	19.77	2.61E+09	1.06 Y	1.05	1.08	3.3%
PCB-23 235-TrCB	19.91	2.65E+09	1.05 Y	1.06	1.10	3.7%
PCB-26/29 23'5-/245-TrCB	20.19	5.38E+09	1.05 Y	1.09	1.11	2.7%
PCB-25 23'4-TrCB	20.37	2.67E+09	1.05 Y	1.07	1.10	2.7%
PCB-31 24'5-TrCB	20.64	2.79E+09	1.05 Y	1.11	1.16	4.0%
PCB-28/20 244'-/233'-TrCB	20.91	5.27E+09	1.06 Y	1.07	1.09	2.2%
PCB-21/33 234-/2'34-TrCB	21.08	5.36E+09	1.05 Y	1.09	1.11	1.5%
PCB-22 234'-TrCB	21.44	2.52E+09	1.05 Y	1.02	1.05	2.9%
PCB-36 33'5-TrCB	22.79	2.80E+09	1.05 Y	1.13	1.16	2.7%
PCB-39 34'5-TrCB	23.10	2.91E+09	1.05 Y	1.17	1.21	3.5%
PCB-38 345-TrCB	23.60	2.46E+09	1.06 Y	1.03	1.02	-1.4%
PCB-35 33'4-TrCB	23.99	2.58E+09	1.05 Y	1.04	1.07	2.7%
PCB-37 344'-TrCB	24.34	2.72E+09	1.05 Y	1.10	1.12	1.8%
PCB-54 22'66'-TeCB	18.50	1.69E+09	0.80 Y	1.21	1.25	3.7%
PCB-50/53 22'46-/22'56'TeCB	20.42	3.32E+09	0.79 Y	0.86	0.89	4.0%
PCB-45 22'36'-TeCB	20.97	1.56E+09	0.79 Y	0.73	0.84	15.0%
PCB-51 22'46'-TeCB	21.05	1.57E+09	0.80 Y	0.88	0.84	-3.9%
PCB-46 22'36'-TeCB	21.24	1.36E+09	0.79 Y	0.70	0.73	4.8%
PCB-52 22'55'-TeCB	22.47	1.62E+09	0.79 Y	0.84	0.87	3.4%
PCB-73 23'5'6TeCB	22.60	2.21E+09	0.79 Y	1.09	1.19	8.9%
PCB-43 22'35'-TeCB	22.68	1.35E+09	0.80 Y	0.72	0.72	-0.2%
PCB-69/49 23'46-/22'45'TeCB	22.88	3.94E+09	0.79 Y	1.01	1.06	4.4%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:15

Lab ID: CS5_120725_PCB_XB
 Acquired: 26-JUL-2012 07:26
 Datafile: 120725X20

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.15	1.66E+09	0.79 Y	0.85	0.89	4.7%
PCB-44/47/65 22'35'-/22'44'-	23.36	5.12E+09	0.79 Y	0.89	0.92	2.9%
PCB-59/62/75 233'6-/2346-/24	23.62	6.39E+09	0.79 Y	1.14	1.14	0.4%
PCB-42 22'34'-TeCB	23.78	1.52E+09	0.79 Y	0.77	0.82	5.6%
PCB-41 22'34'-TeCB	24.10	1.46E+09	0.79 Y	0.73	0.78	7.5%
PCB-71/40 23'4'6/22'33'-TeCB	24.19	3.26E+09	0.79 Y	0.87	0.88	1.2%
PCB-64 234'6'-TeCB	24.39	2.37E+09	0.79 Y	1.24	1.27	2.8%
PCB-72 23'55'-TeCB	25.11	2.26E+09	0.79 Y	1.14	1.22	6.3%
PCB-68 23'45'-TeCB	25.36	2.42E+09	0.79 Y	1.21	1.30	7.3%
PCB-57 233'5'-TeCB	25.72	2.17E+09	0.79 Y	1.11	1.16	5.2%
PCB-58 233'5'-TeCB	25.91	2.20E+09	0.79 Y	1.10	1.18	7.3%
PCB-67 23'45'-TeCB	26.07	2.24E+09	0.78 Y	1.16	1.20	3.7%
PCB-63 234'5'-TeCB	26.29	2.39E+09	0.79 Y	1.22	1.29	5.7%
PCB-61/70/74/76 2345-/23'4'5	26.57	8.77E+09	0.79 Y	1.13	1.18	4.0%
PCB-66 23'44'-TeCB	26.84	2.10E+09	0.79 Y	1.08	1.13	4.8%
PCB-55 233'4'-TeCB	26.98	2.15E+09	0.79 Y	1.10	1.16	5.4%
PCB-56 233'4'-TeCB	27.40	2.08E+09	0.79 Y	1.06	1.12	5.9%
PCB-60 2344'-TeCB	27.59	2.20E+09	0.79 Y	1.11	1.18	6.1%
PCB-80 33'55'-TeCB	27.95	2.47E+09	0.79 Y	1.25	1.33	5.8%
PCB-79 33'45'-TeCB	29.23	2.35E+09	0.79 Y	1.23	1.26	2.3%
PCB-78 33'45'-TeCB	29.70	2.10E+09	0.79 Y	1.08	1.13	4.2%
PCB-104 22'466'-PeCB	23.30	1.65E+09	0.63 Y	1.25	1.27	0.9%
PCB-96 22'366'-PeCB	23.60	1.37E+09	0.63 Y	1.08	1.06	-1.7%
PCB-103 22'45'6'-PeCB	25.27	1.50E+09	0.63 Y	0.90	0.95	5.6%
PCB-94 22'356'-PeCB	25.45	1.31E+09	0.63 Y	0.78	0.83	6.7%
PCB-95 22'35'6'-PeCB	25.82	1.39E+09	0.63 Y	0.83	0.88	6.7%
PCB-100/93 22'44'6-/22'356-P	26.03	2.74E+09	0.63 Y	0.84	0.87	2.7%
PCB-102 22'456'-PeCB	26.13	1.38E+09	0.63 Y	0.90	0.88	-2.7%
PCB-98 22'3'46'-PeCB	26.20	1.40E+09	0.64 Y	0.77	0.88	14.2%
PCB-88 22'346'-PeCB	26.49	1.21E+09	0.62 Y	0.79	0.77	-3.5%
PCB-91 22'34'6'-PeCB	26.56	1.54E+09	0.64 Y	0.88	0.97	10.7%
PCB-84 22'33'6'-PeCB	26.74	1.18E+09	0.63 Y	0.71	0.75	5.4%
PCB-89 22'346'-PeCB	27.14	1.26E+09	0.63 Y	0.76	0.80	4.8%
PCB-121 23'45'6'-PeCB	27.52	1.90E+09	0.63 Y	1.14	1.20	5.1%
PCB-92 22'355'-PeCB	27.82	1.33E+09	0.63 Y	0.80	0.84	5.5%
PCB-113/90/101 233'5'6-/22'3	28.30	4.51E+09	0.63 Y	0.93	0.95	1.8%
PCB-83 22'33'5'-PeCB	28.71	1.16E+09	0.63 Y	0.71	0.74	3.2%
PCB-99 22'44'5'-PeCB	28.82	1.42E+09	0.63 Y	0.87	0.90	3.2%
PCB-112 233'56'-PeCB	28.91	1.87E+09	0.63 Y	1.13	1.19	5.3%
PCB-108/119/86/97/125/87 233	29.25	9.01E+09	0.63 Y	0.95	0.95	0.1%
PCB-117 234'56'-PeCB	29.77	1.53E+09	0.62 Y	1.04	0.97	-6.6%
PCB-116/85 23456-/22'344'-Pe	29.85	3.33E+09	0.63 Y	0.97	1.05	8.3%
PCB-110 233'4'6'-PeCB	29.97	1.66E+09	0.63 Y	1.02	1.05	2.9%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:15

Lab ID: CS5_120725_PCB_XB
 Acquired: 26-JUL-2012 07:26
 Datafile: 120725X20

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6-PeCB	30.06	1.92E+09	0.63 Y	1.16	1.21	4.9%
PCB-82 22'33'4-PeCB	30.24	1.15E+09	0.63 Y	0.69	0.73	5.2%
PCB-111 233'55'-PeCB	30.59	1.92E+09	0.63 Y	1.15	1.22	5.3%
PCB-120 23'455'-PeCB	30.98	1.91E+09	0.63 Y	1.16	1.21	4.0%
PCB-107/124 233'4'5'-/2'3455'	31.92	3.55E+09	0.63 Y	1.07	1.12	4.4%
PCB-109 233'46-PeCB	32.13	1.89E+09	0.63 Y	1.14	1.20	4.9%
PCB-106 233'45-PeCB	32.33	1.69E+09	0.63 Y	1.07	1.07	-0.1%
PCB-122 2'33'45-PeCB	32.78	1.67E+09	0.63 Y	1.00	1.05	5.0%
PCB-127 33'455'-PeCB	34.73	1.81E+09	0.63 Y	1.10	1.13	2.9%
PCB-155 22'44'66'-HxCB	28.15	1.78E+09	1.26 Y	1.09	1.13	3.8%
PCB-152 22'3566'-HxCB	28.29	1.65E+09	1.27 Y	1.01	1.05	3.5%
PCB-150 22'34'66'-HxCB	28.44	1.69E+09	1.26 Y	1.00	1.07	6.8%
PCB-136 22'33'66'-HxCB	28.72	1.57E+09	1.27 Y	0.95	1.00	4.7%
PCB-145 22'3466'HxCB	28.99	1.61E+09	1.27 Y	0.96	1.02	6.2%
PCB-148 22'34'56'-HxCB	30.27	1.25E+09	1.26 Y	0.97	1.04	7.3%
PCB-151/135 22'355'6-/22'33'	30.78	2.41E+09	1.27 Y	0.96	1.00	4.3%
PCB-154 22'44'5'6-HxCB	30.99	1.37E+09	1.26 Y	1.09	1.14	4.6%
PCB-144 22'345'6-HxCB	31.24	1.25E+09	1.26 Y	0.98	1.04	5.8%
PCB-147/149 22'34'56-/22'34'	31.54	2.47E+09	1.26 Y	0.99	1.03	4.1%
PCB-134 22'33'56-HxCB	31.70	9.58E+08	1.26 Y	0.80	0.80	-0.4%
PCB-143 22'3456'-HxCB	31.78	1.24E+09	1.27 Y	0.95	1.03	8.1%
PCB-139/140 22'344'6-/22'344'	32.05	2.51E+09	1.26 Y	1.00	1.05	4.6%
PCB-131 22'33'46-HxCB	32.21	1.07E+09	1.27 Y	0.85	0.89	5.0%
PCB-142 22'3456-HxCB	32.35	1.11E+09	1.27 Y	0.87	0.92	5.5%
PCB-132 22'33'46'-HxCB	32.58	1.12E+09	1.26 Y	0.89	0.93	4.8%
PCB-133 22'33'55'-HxCB	33.02	1.16E+09	1.26 Y	0.91	0.97	5.8%
PCB-165 233'55'6-HxCB	33.36	1.43E+09	1.26 Y	1.13	1.19	5.3%
PCB-146 22'34'55'-HxCB	33.57	1.29E+09	1.26 Y	1.01	1.07	6.5%
PCB-161 233'45'6-HxCB	33.68	1.53E+09	1.27 Y	1.25	1.28	1.8%
PCB-153/168 22'44'55'-/23'44'	34.10	3.01E+09	1.27 Y	1.22	1.25	2.8%
PCB-141 22'3455'-HxCB	34.24	1.18E+09	1.27 Y	0.93	0.98	5.6%
PCB-130 22'33'45'-HxCB	34.57	1.05E+09	1.26 Y	0.85	0.88	3.4%
PCB-137 22'344'5-HxCB	34.77	1.32E+09	1.25 Y	1.04	1.10	5.6%
PCB-164 233'4'5'6-HxCB	34.86	1.51E+09	1.27 Y	1.22	1.26	2.8%
PCB-163/138/129 233'4'56-/22'	35.14	3.75E+09	1.27 Y	1.02	1.04	1.7%
PCB-160 233'456-HxCB	35.27	1.51E+09	1.26 Y	1.21	1.26	4.2%
PCB-158 233'44'6-HxCB	35.45	1.65E+09	1.26 Y	1.34	1.38	2.9%
PCB-128/166 22'33'44'-/2344'5	36.17	2.93E+09	1.25 Y	0.90	0.93	3.6%
PCB-159 233'455'-HxCB	37.01	1.74E+09	1.25 Y	1.06	1.11	4.2%
PCB-162 233'4'55'-HxCB	37.24	1.76E+09	1.25 Y	1.08	1.12	4.1%
PCB-188 22'34'566'-HpCB	32.96	1.33E+09	1.05 Y	1.03	1.07	3.7%
PCB-179 22'33'566'-HpCB	33.22	1.24E+09	1.05 Y	0.97	1.00	3.4%
PCB-184 22'344'66'-HpCB	33.69	1.20E+09	1.06 Y	0.93	0.97	4.3%

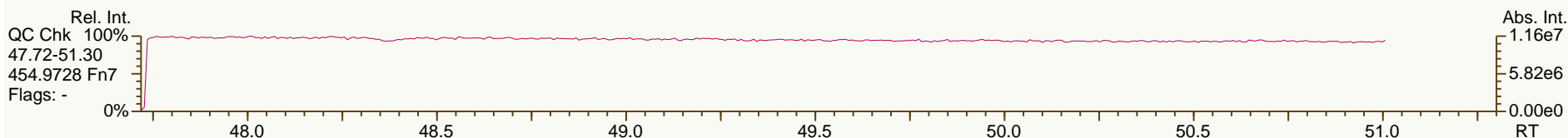
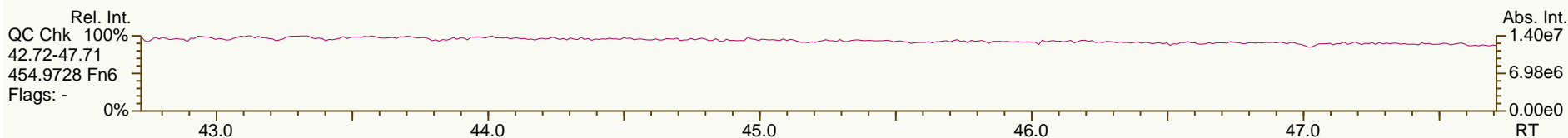
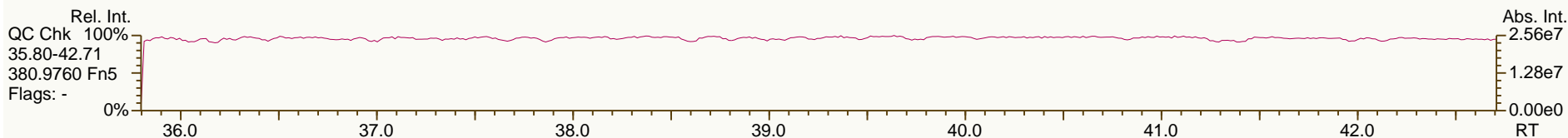
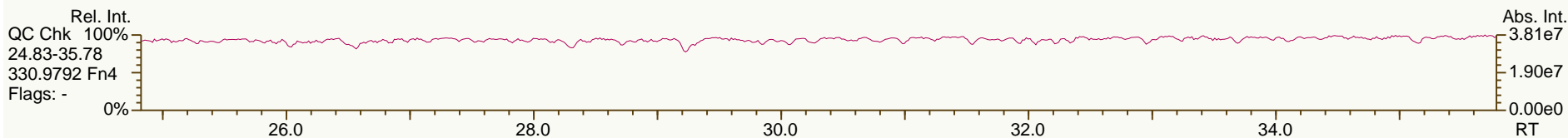
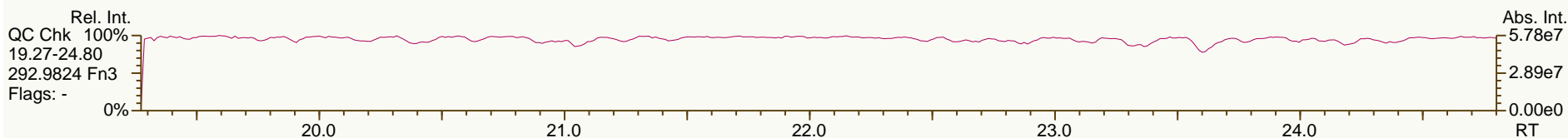
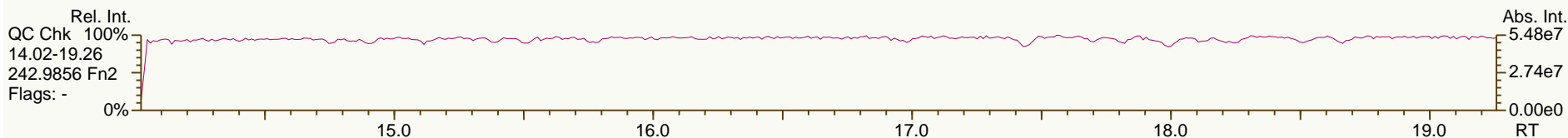
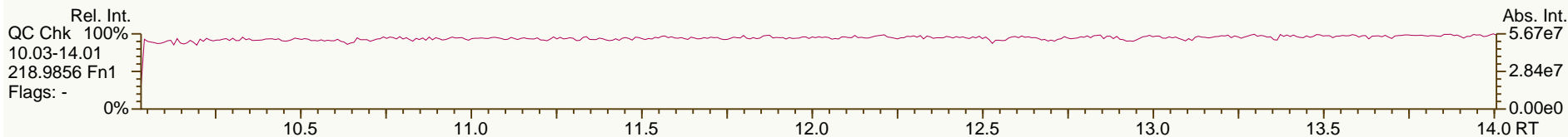
PCB QC Summary - Ax2 Detail

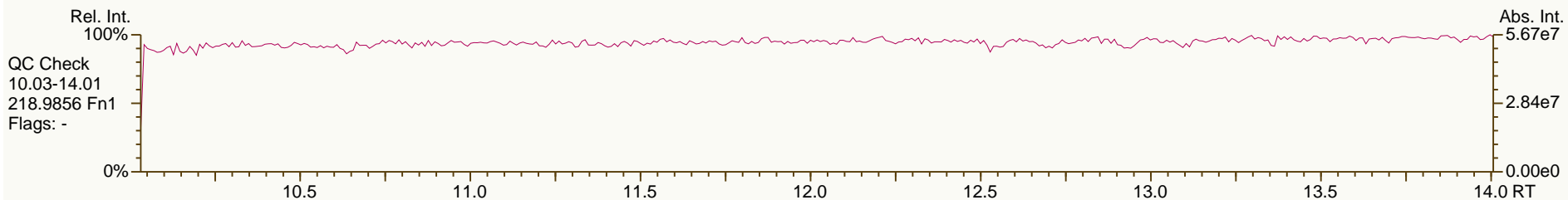
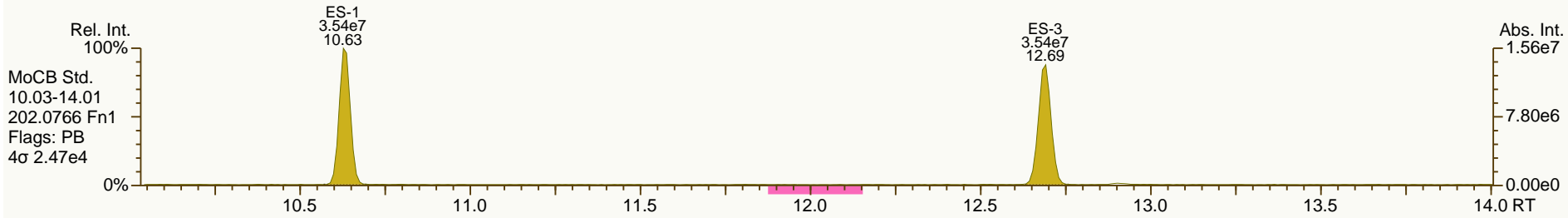
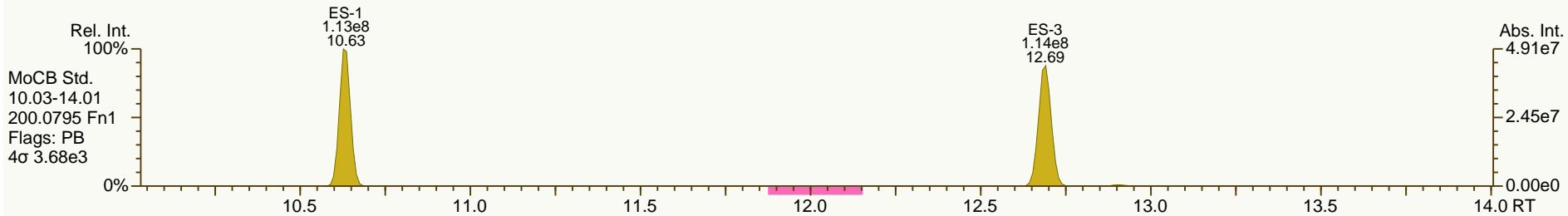
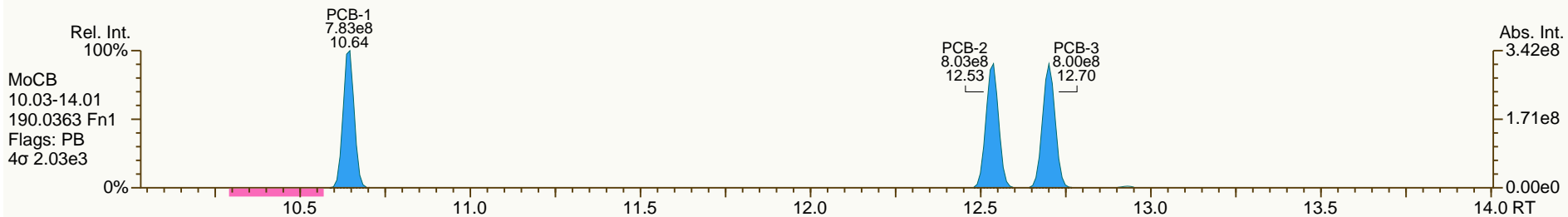
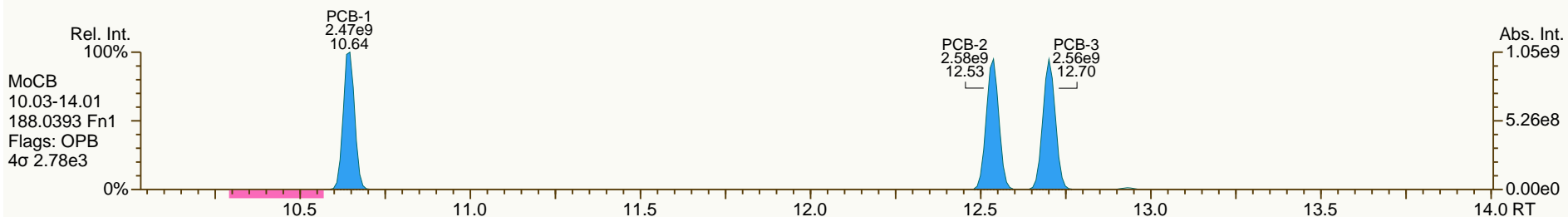
Printed: 28-Jul-2012 10:15

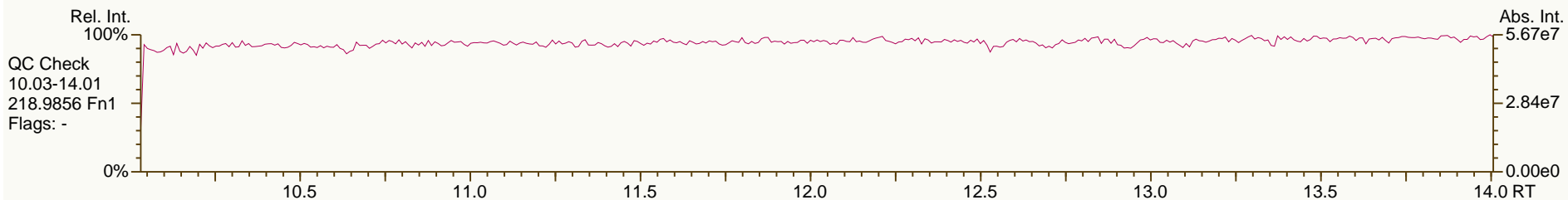
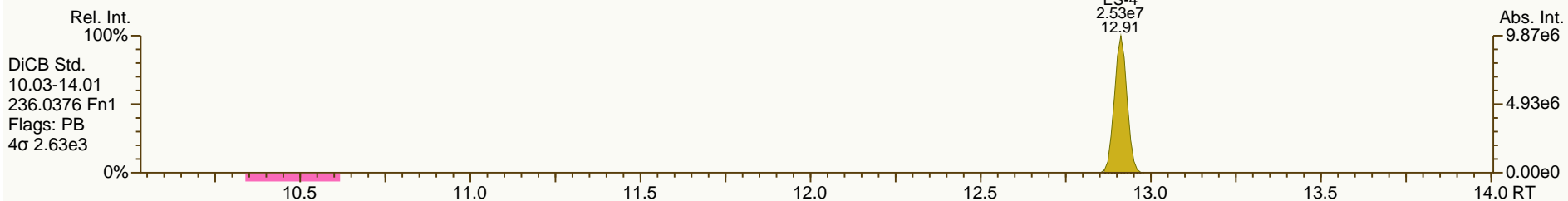
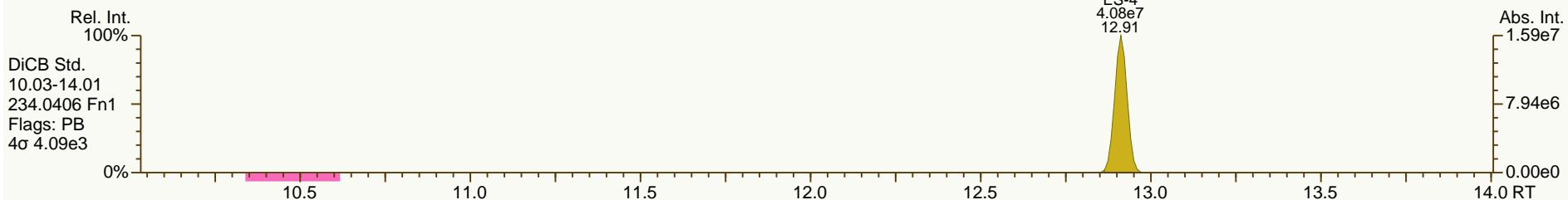
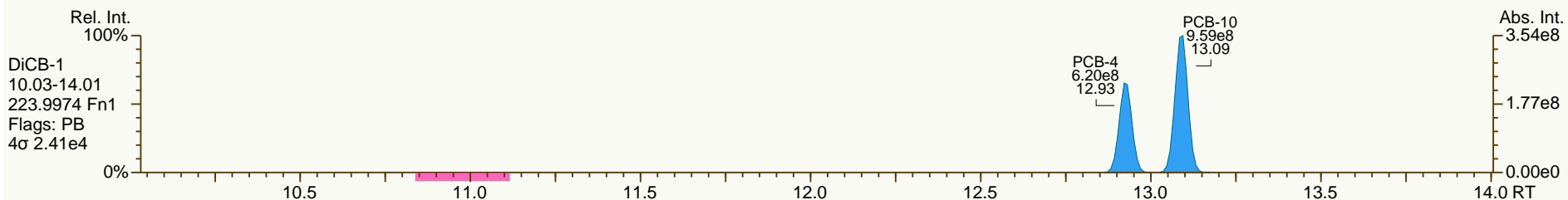
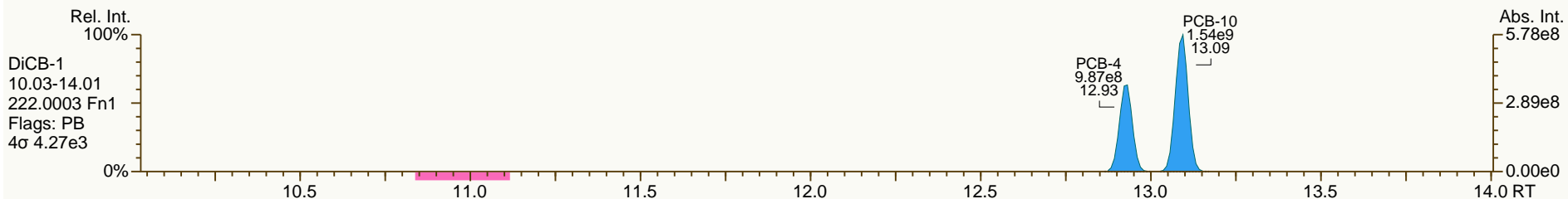
Lab ID: CS5_120725_PCB_XB
 Acquired: 26-JUL-2012 07:26
 Datafile: 120725X20

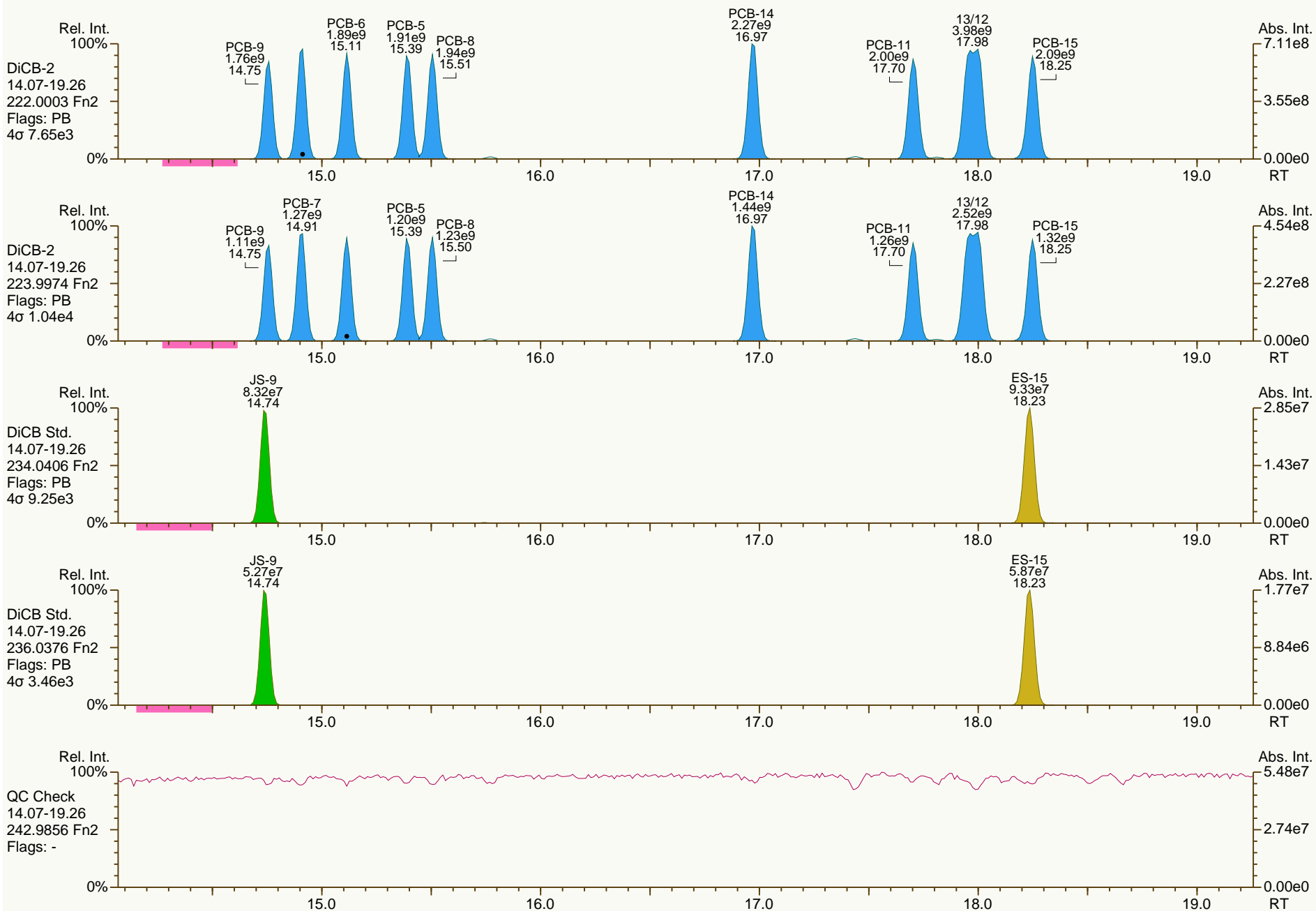
ICAL: MM7_PCB_07132012_25JUL12

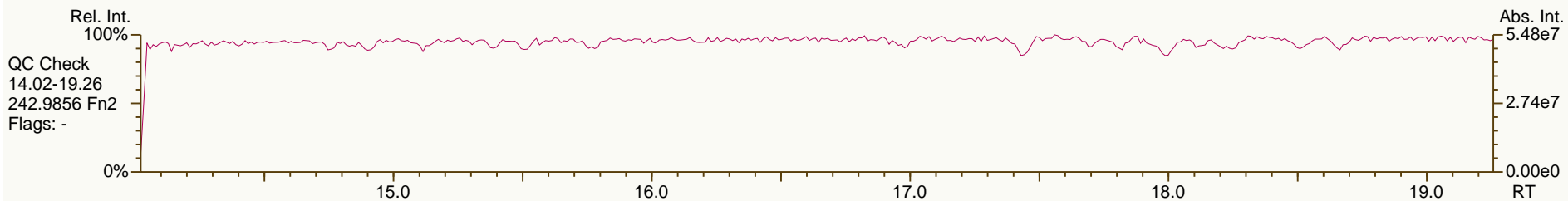
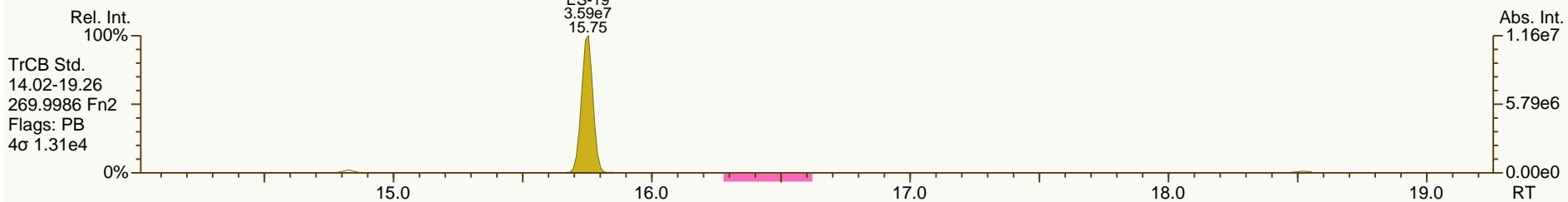
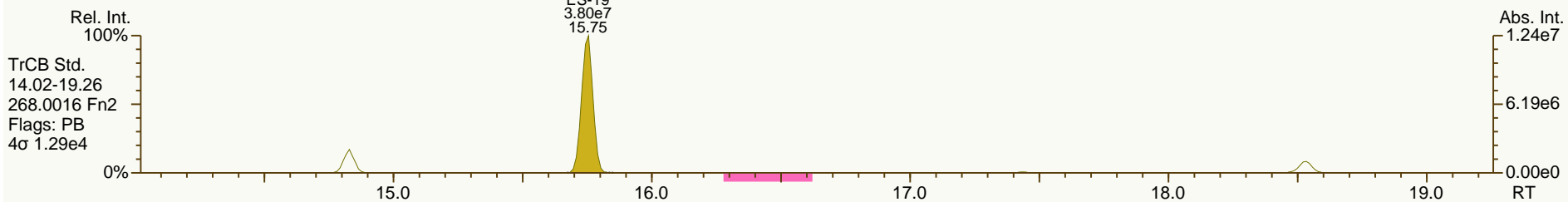
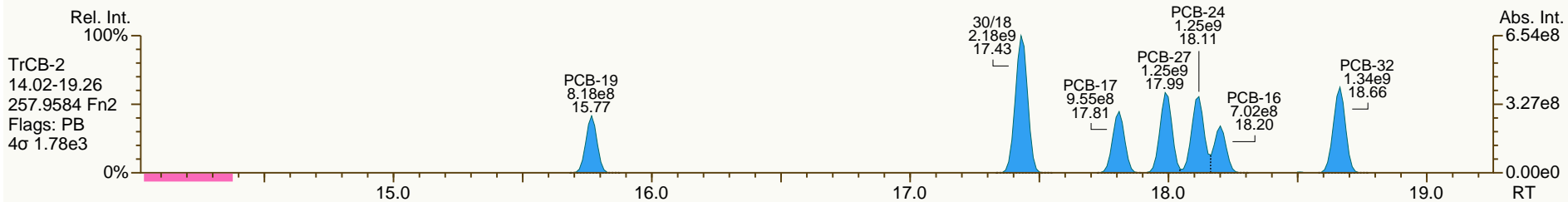
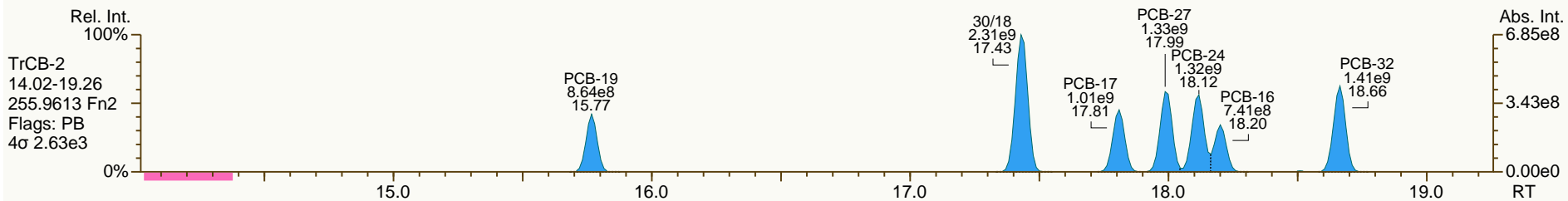
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-176 22'33'466'-HpCB	33.97	1.35E+09	1.06 Y	1.05	1.09	4.1%
PCB-186 22'34566'-HpCB	34.35	1.26E+09	1.05 Y	0.98	1.02	4.2%
PCB-178 22'33'55'6'-HpCB	35.50	9.37E+08	1.05 Y	0.74	0.76	3.1%
PCB-175 22'33'45'6'-HpCB	36.04	1.18E+09	1.05 Y	1.01	1.07	5.9%
PCB-187 22'34'55'6'-HpCB	36.27	1.23E+09	1.05 Y	1.06	1.11	4.9%
PCB-182 22'344'56'-HpCB	36.44	1.26E+09	1.05 Y	1.11	1.14	3.1%
PCB-183 22'344'5'6'-HpCB	36.78	1.30E+09	1.04 Y	1.13	1.18	4.3%
PCB-185 22'3455'6'-HpCB	36.86	1.18E+09	1.06 Y	1.02	1.07	5.2%
PCB-174 22'33'456'-HpCB	36.97	1.06E+09	1.05 Y	0.93	0.96	4.0%
PCB-177 22'33'4'56'-HpCB	37.33	1.05E+09	1.05 Y	0.91	0.95	5.0%
PCB-181 22'344'56'-HpCB	37.68	1.21E+09	1.05 Y	1.06	1.10	3.4%
PCB-171/173 22'33'44'6'-/22'3	37.85	2.11E+09	1.05 Y	0.93	0.96	3.3%
PCB-172 22'33'455'-HpCB	39.22	1.08E+09	1.05 Y	0.95	0.98	3.1%
PCB-192 233'455'6'-HpCB	39.46	1.42E+09	1.05 Y	1.24	1.29	4.2%
PCB-180/193 22'344'55'-/233'	39.74	2.64E+09	1.05 Y	1.16	1.20	3.4%
PCB-191 233'44'5'6'-HpCB	40.06	1.47E+09	1.06 Y	1.30	1.34	2.8%
PCB-170 22'33'44'5'-HpCB	40.81	1.06E+09	1.05 Y	1.07	1.13	5.4%
PCB-190 233'44'56'-HpCB	41.26	1.44E+09	1.05 Y	1.45	1.54	6.0%
PCB-202 22'33'55'66'-OcCB	37.45	1.12E+09	0.89 Y	0.91	0.94	2.7%
PCB-201 22'33'45'66'-OcCB	38.22	1.25E+09	0.90 Y	1.02	1.05	2.5%
PCB-204 22'344'566'-OcCB	38.79	1.18E+09	0.91 Y	0.98	0.99	1.2%
PCB-197 22'33'44'66'-OcCB	38.98	1.25E+09	0.90 Y	1.06	1.05	-1.6%
PCB-200 22'33'4566'-OcCB	39.06	1.23E+09	0.91 Y	0.96	1.03	7.1%
PCB-198/199 22'33'455'6'-/22'	41.39	1.75E+09	0.90 Y	0.72	0.73	2.3%
PCB-196 22'33'44'56'-OcCB	41.96	9.05E+08	0.90 Y	0.73	0.76	3.9%
PCB-203 22'344'55'6'-OcCB	42.12	9.48E+08	0.90 Y	0.76	0.80	4.1%
PCB-195 22'33'44'56'-OcCB	43.22	9.53E+08	0.90 Y	0.80	0.84	4.6%
PCB-194 22'33'44'55'-OcCB	45.18	1.01E+09	0.89 Y	0.87	0.89	1.8%
PCB-205 233'44'55'6'-OcCB	45.57	1.28E+09	0.90 Y	1.09	1.12	2.8%
PCB-208 22'33'455'66'-NoCB	43.03	1.18E+09	0.78 Y	1.02	1.06	4.3%
PCB-207 22'33'44'566'-NoCB	43.81	1.22E+09	0.78 Y	1.06	1.10	3.8%
PCB-206 22'33'44'55'6'-NoCB	47.03	8.31E+08	0.78 Y	0.98	1.02	4.2%

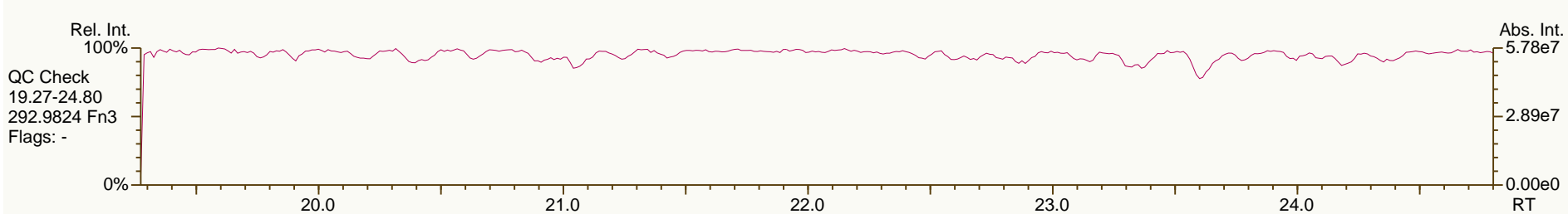
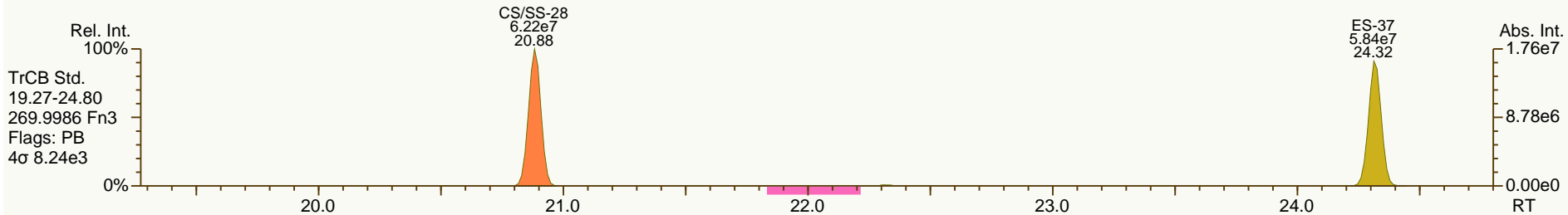
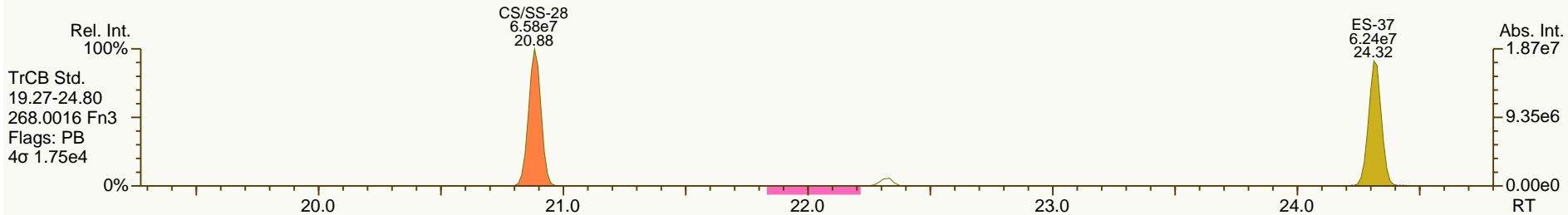
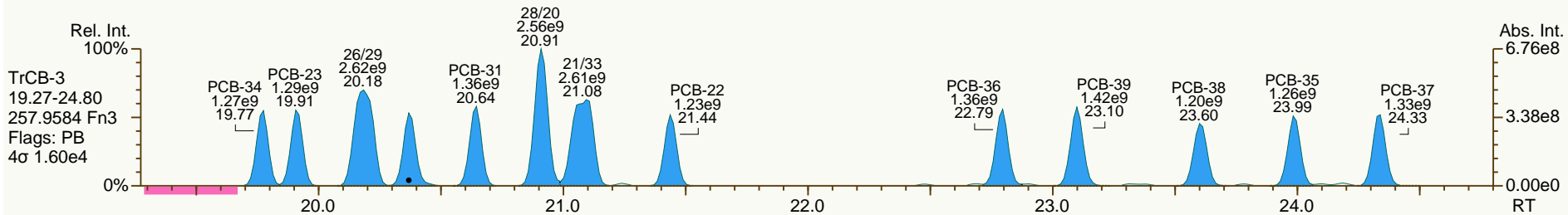
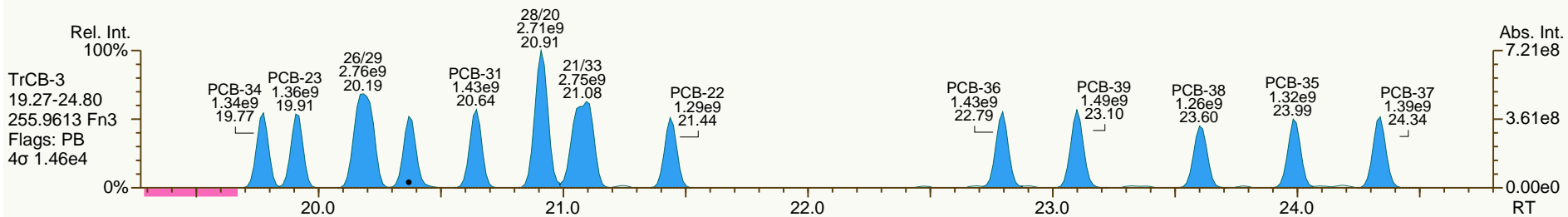


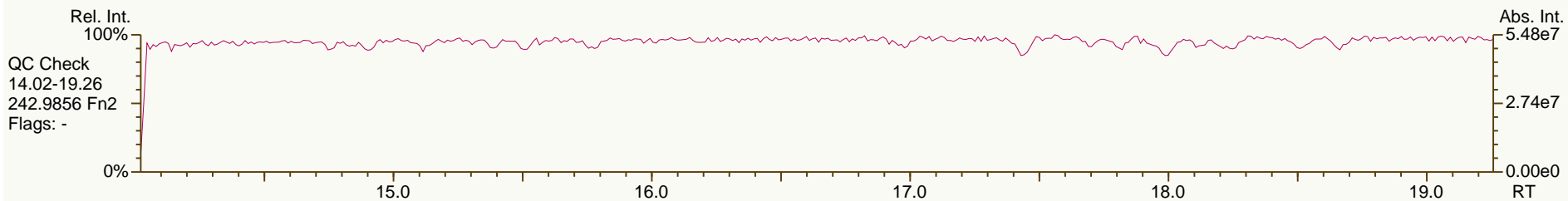
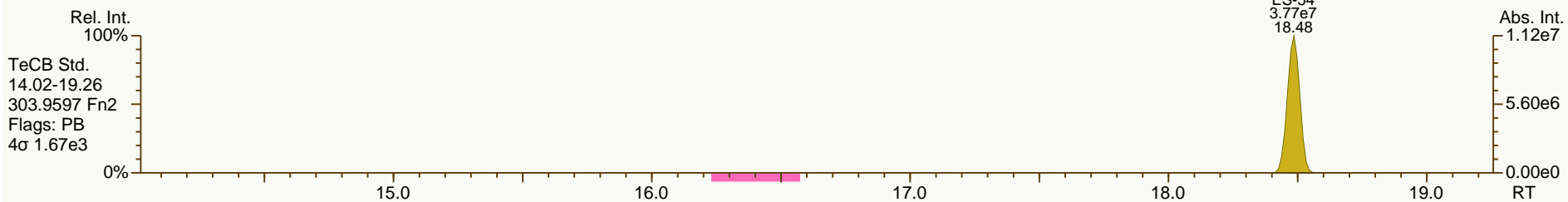
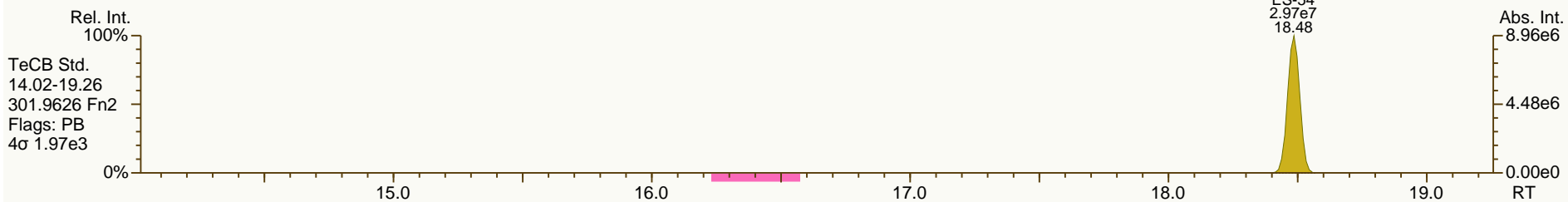
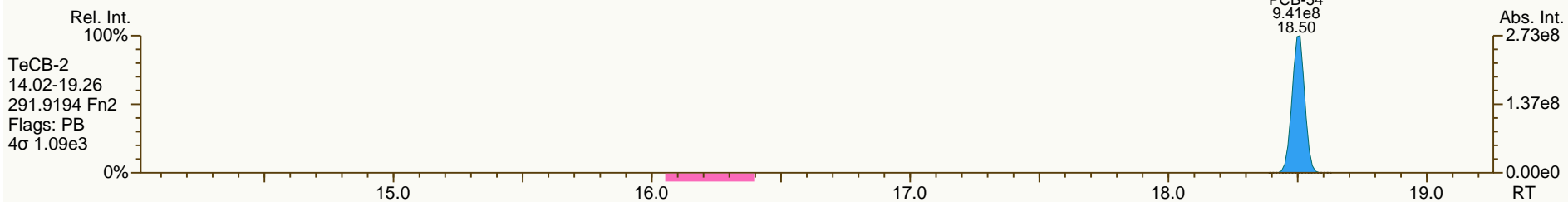
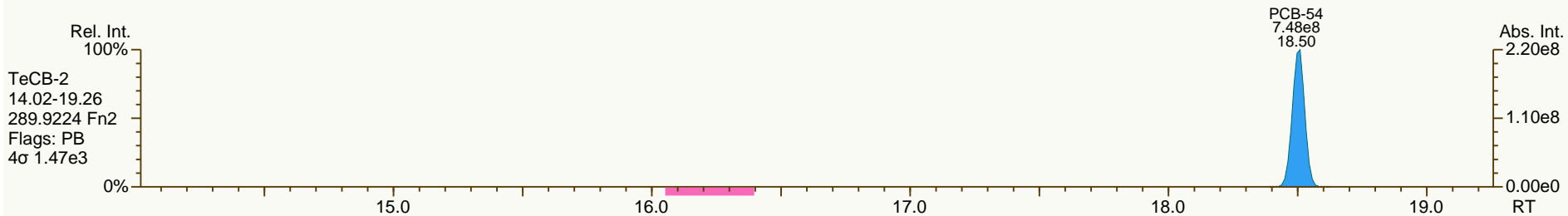


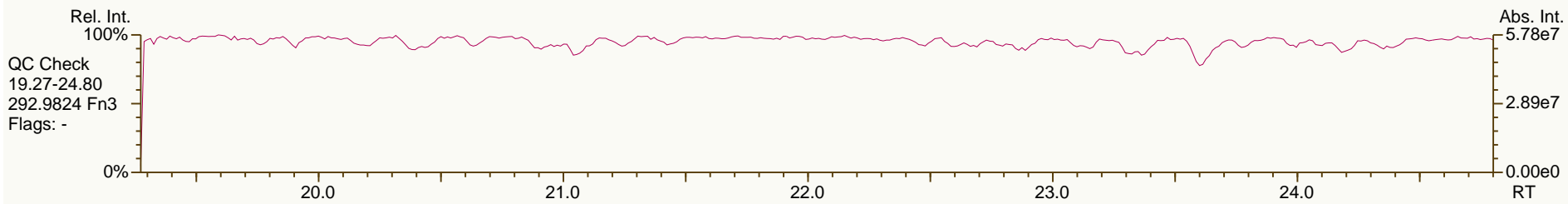
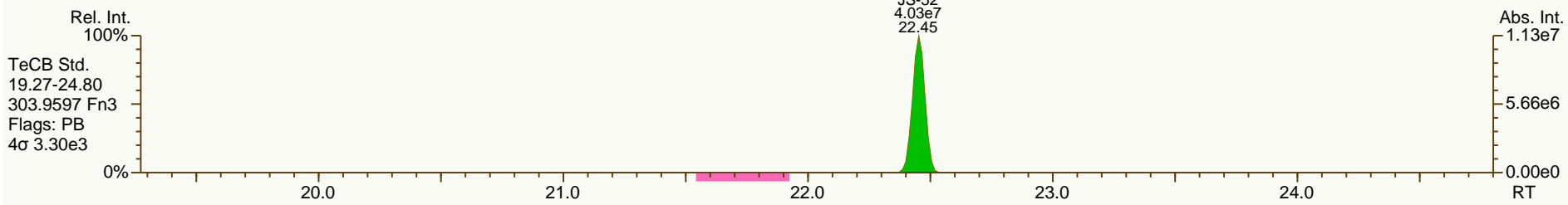
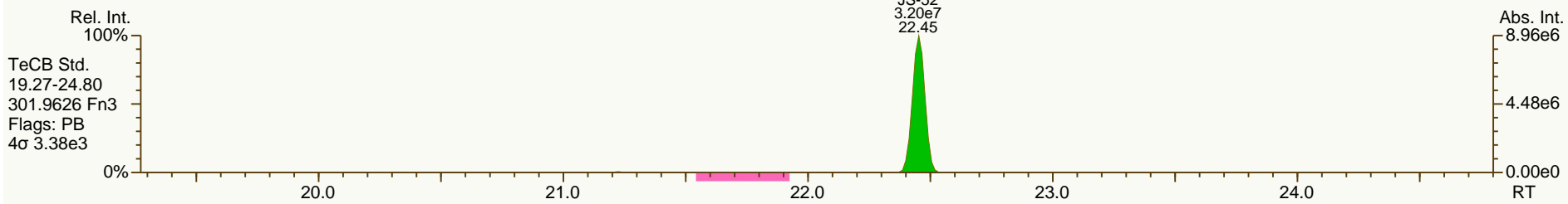
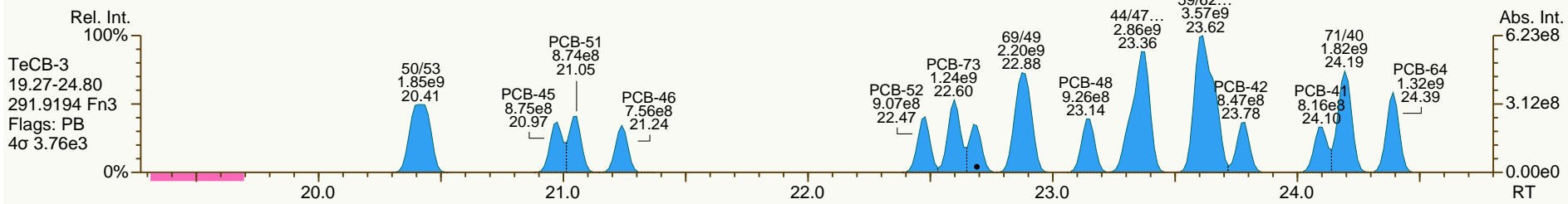
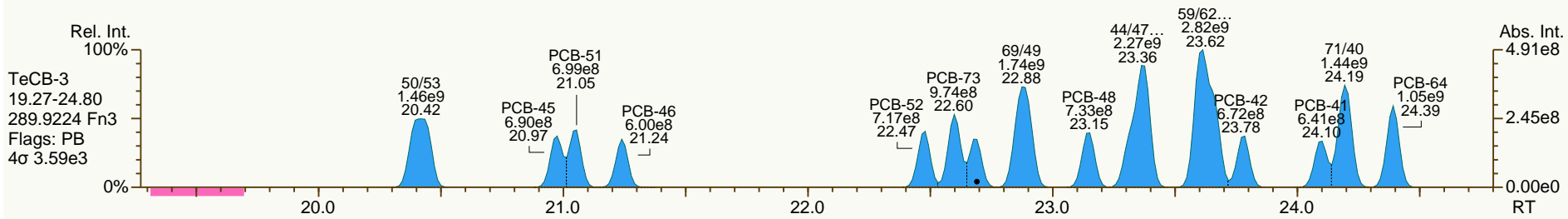


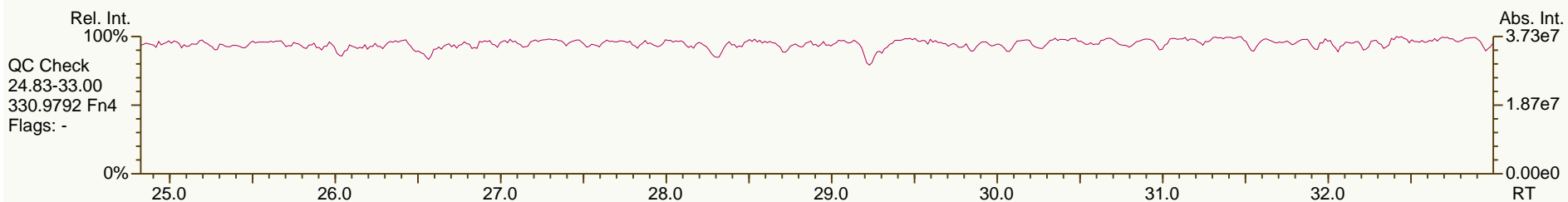
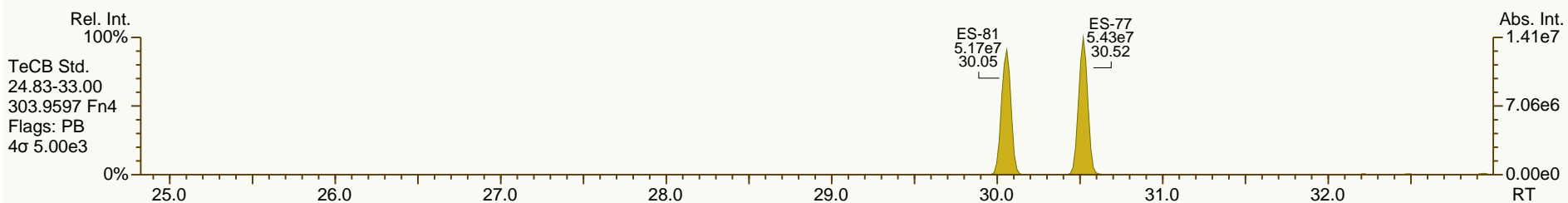
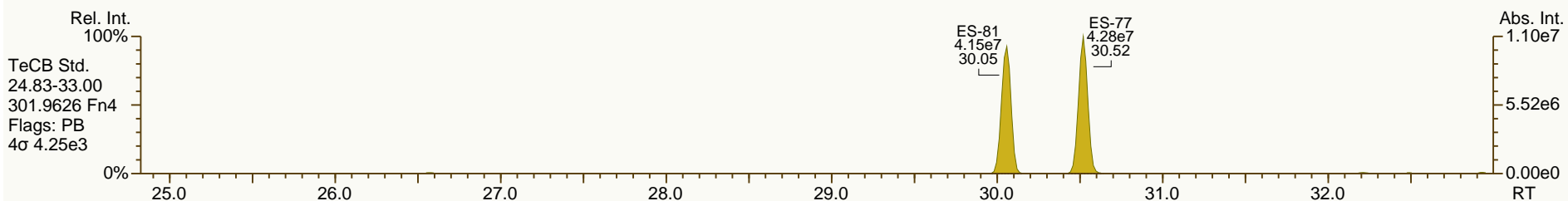
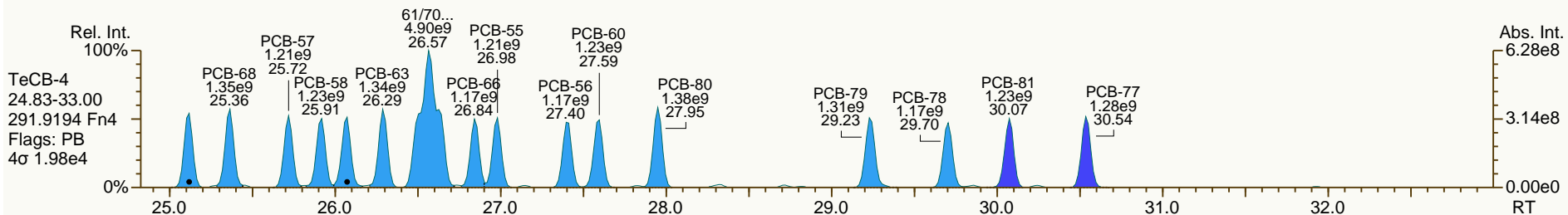
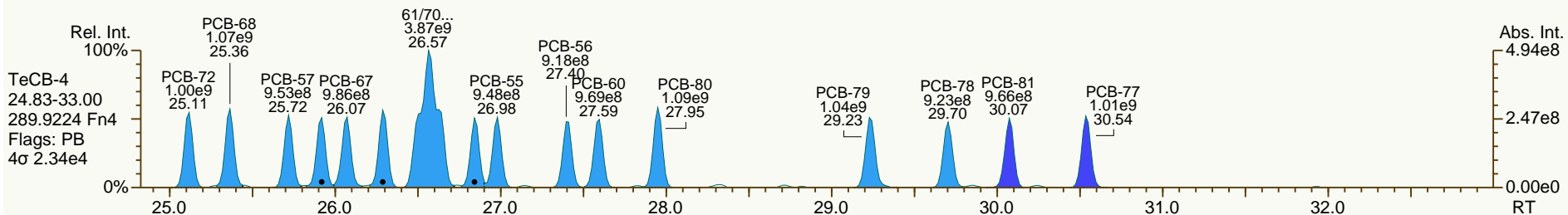


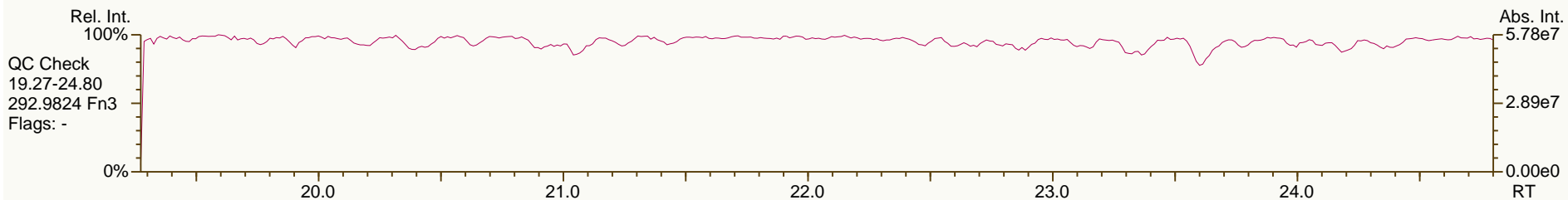
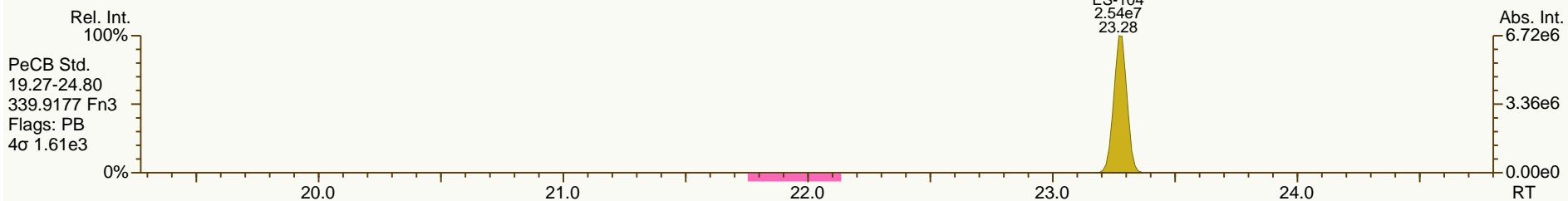
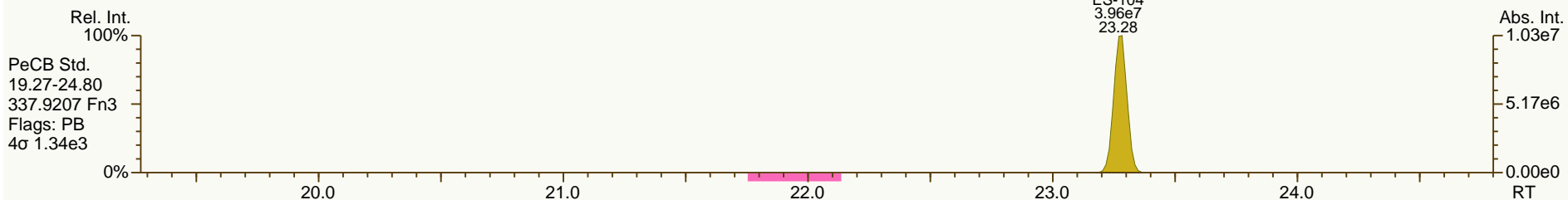
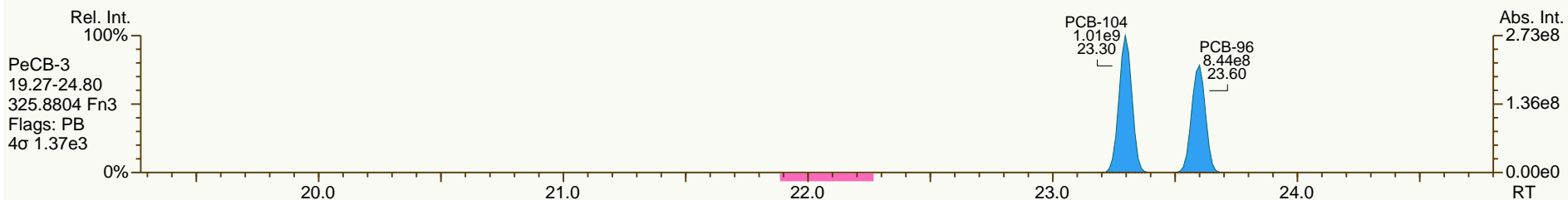
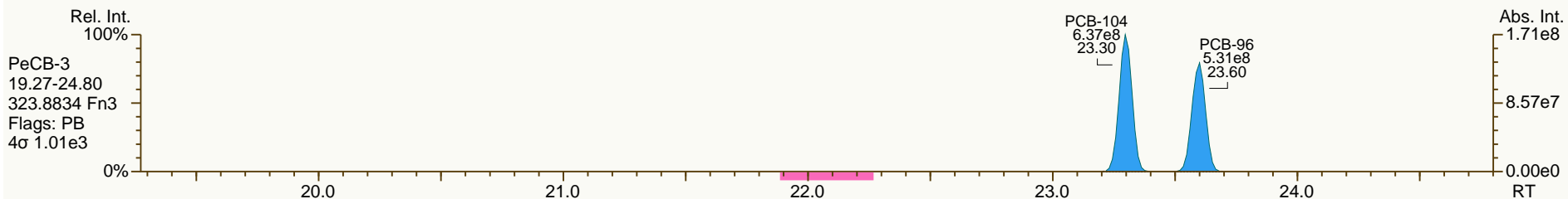


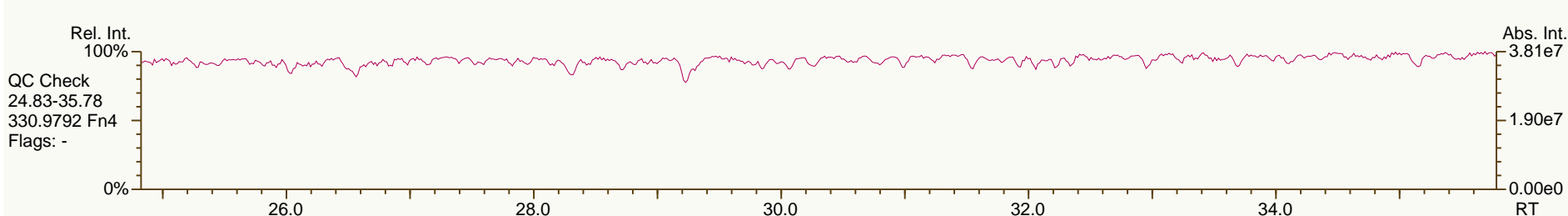
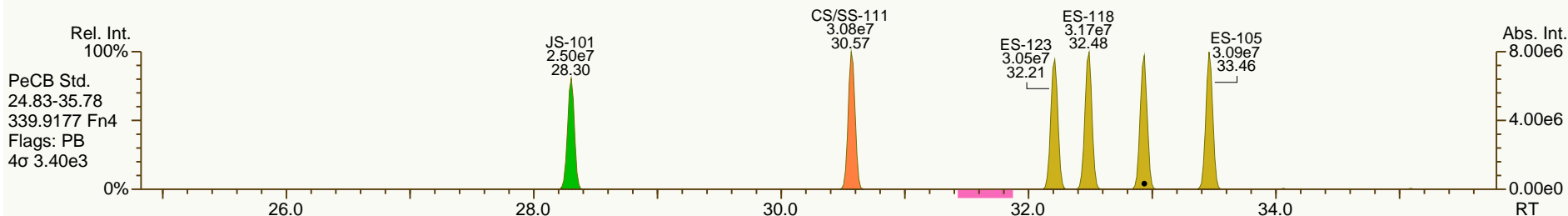
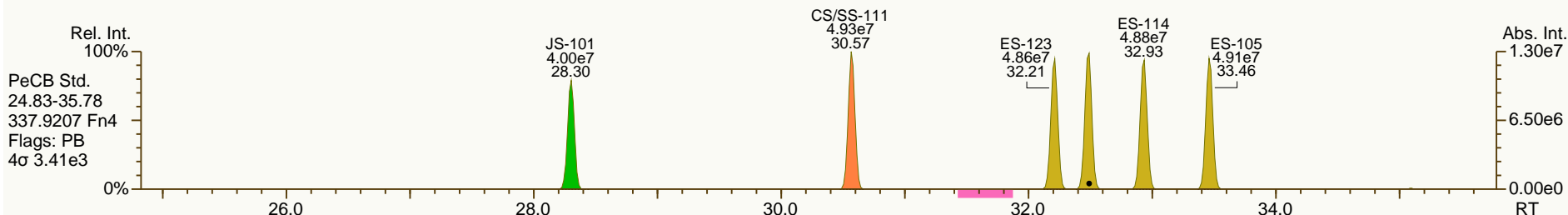
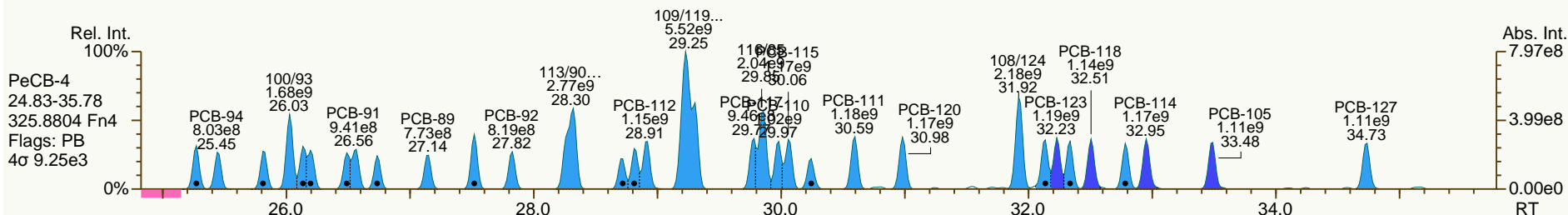
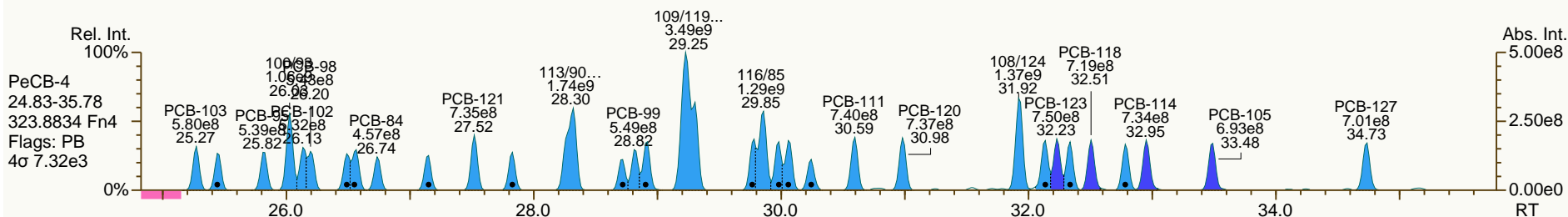


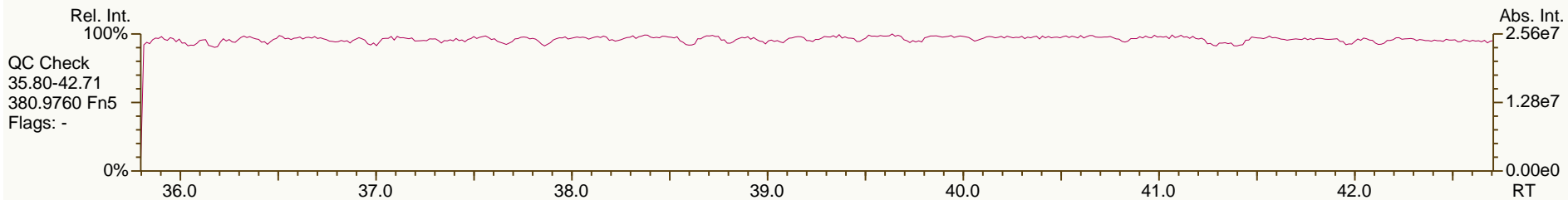
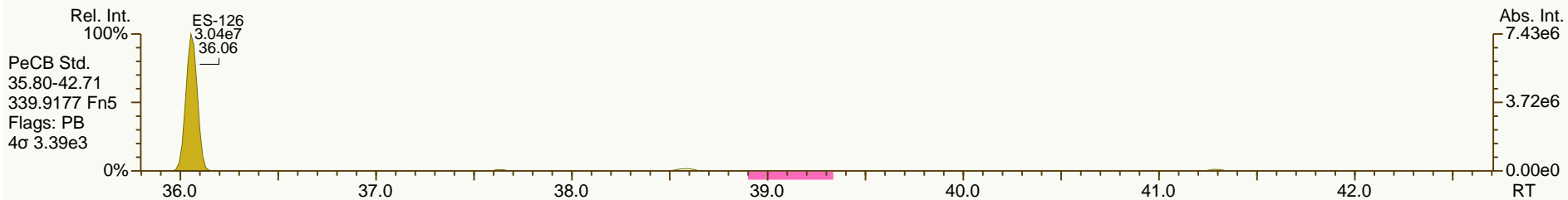
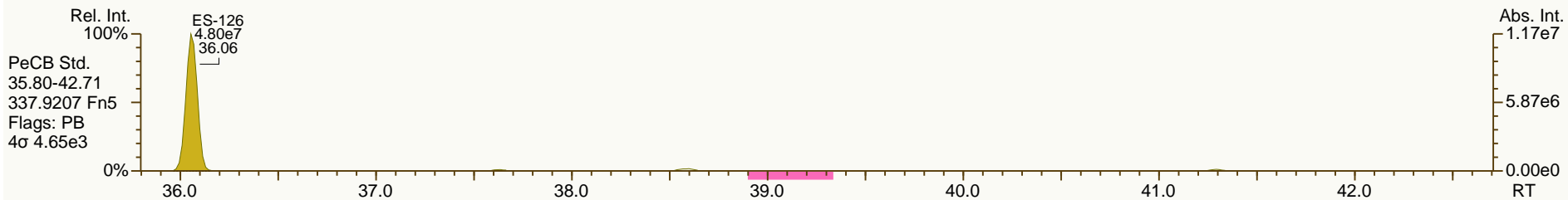
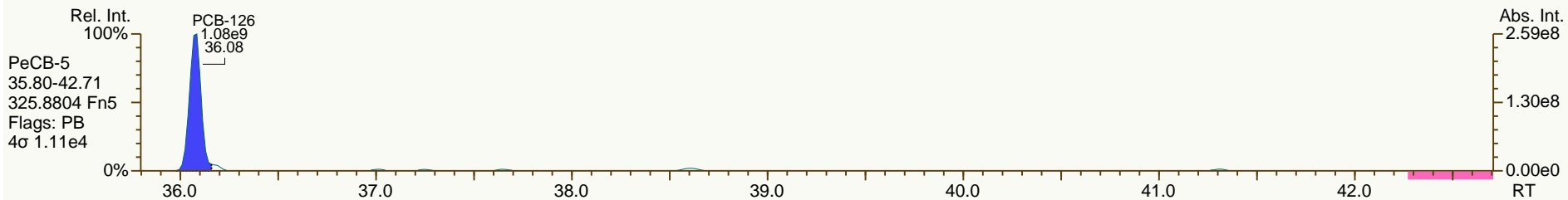
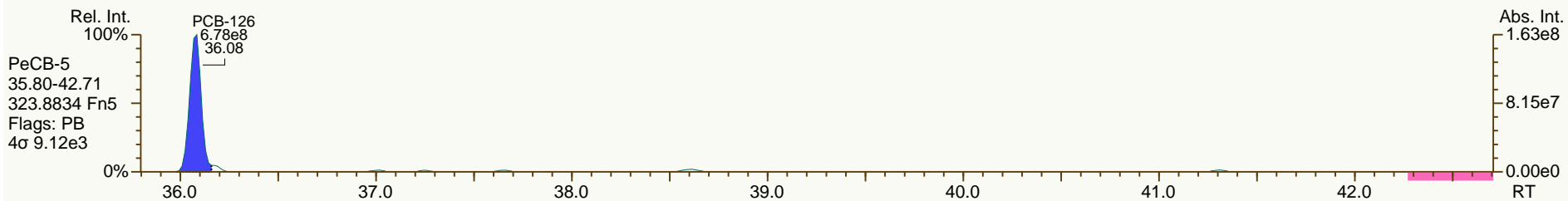


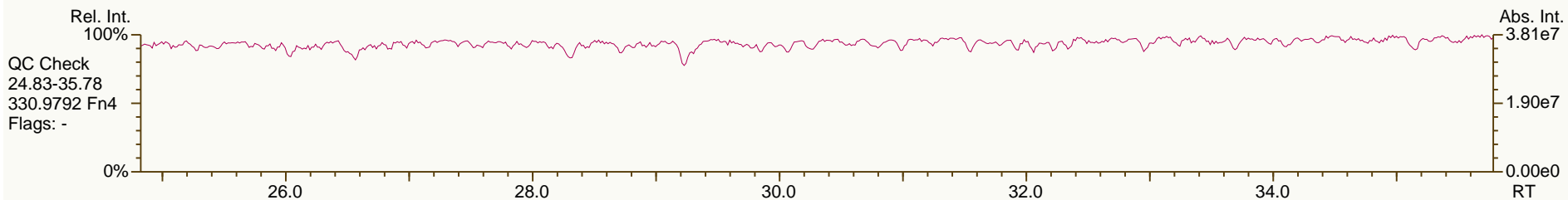
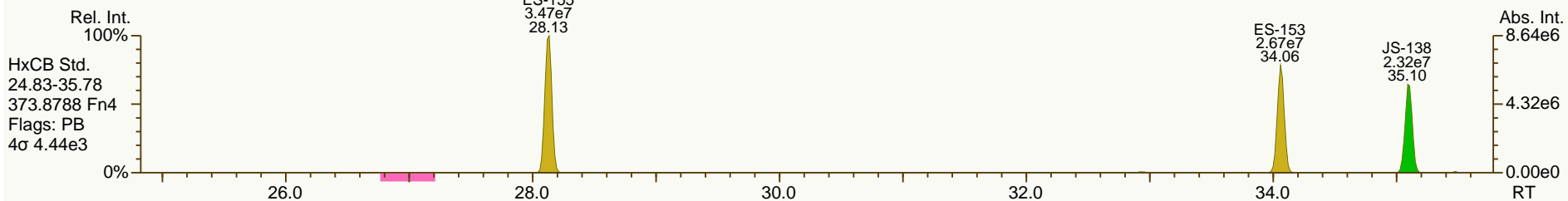
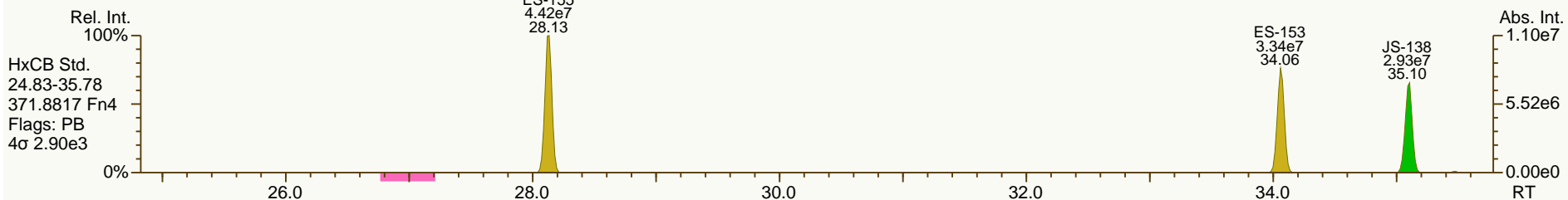
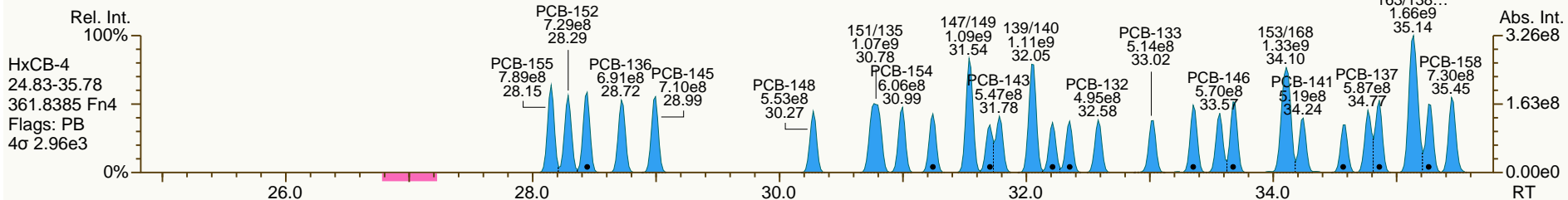
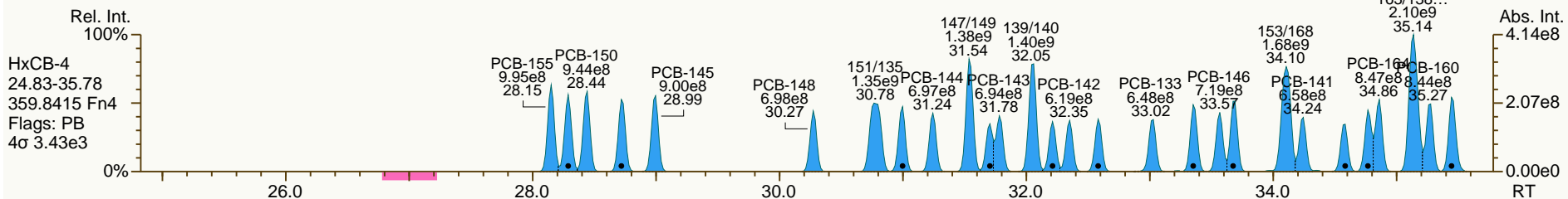


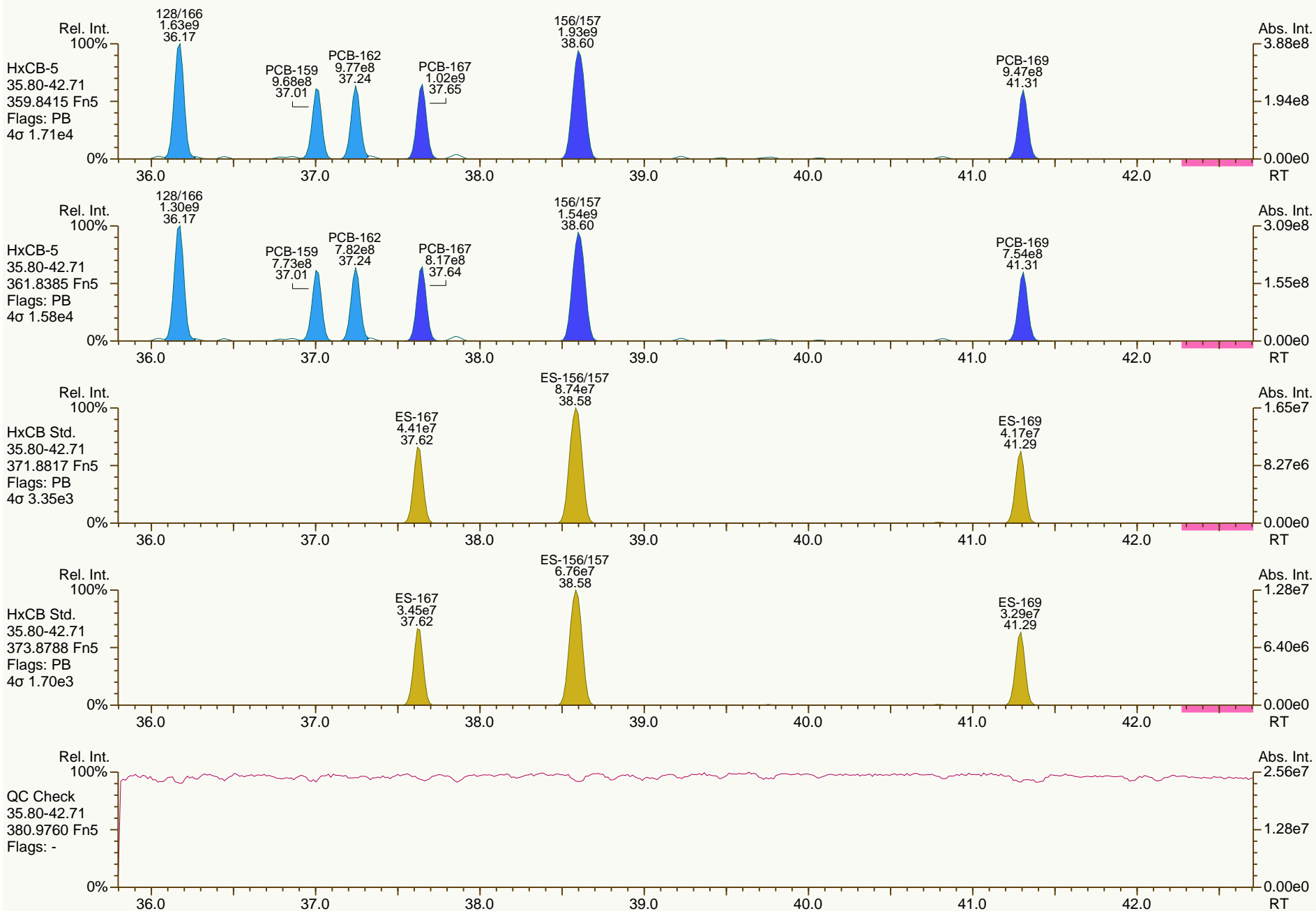


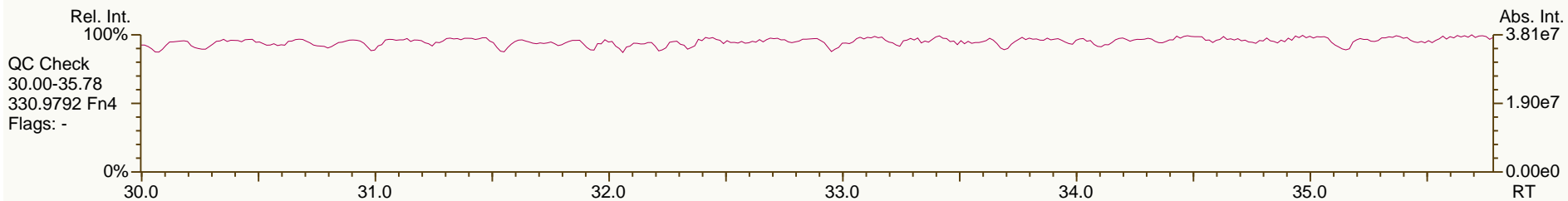
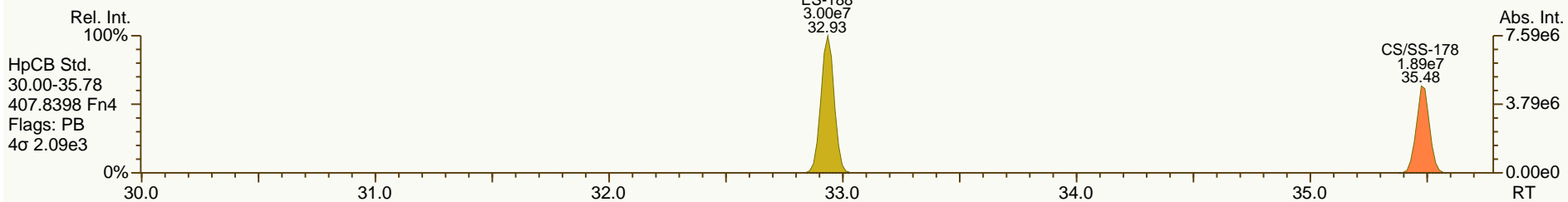
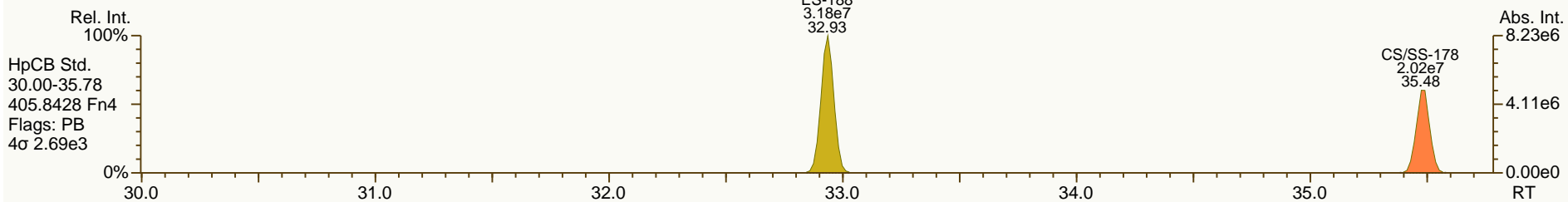
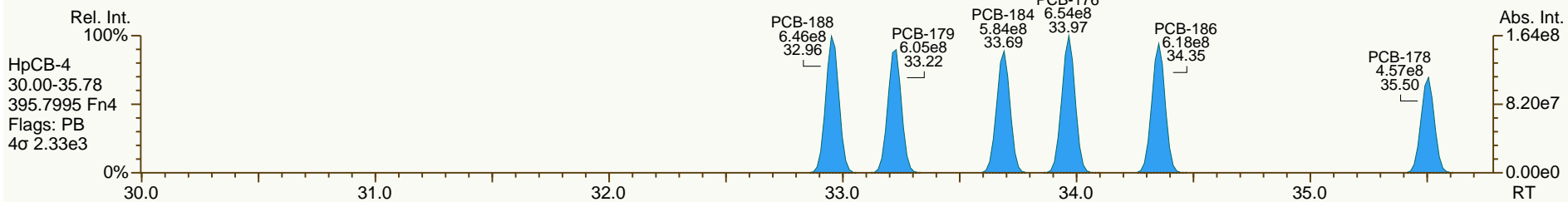
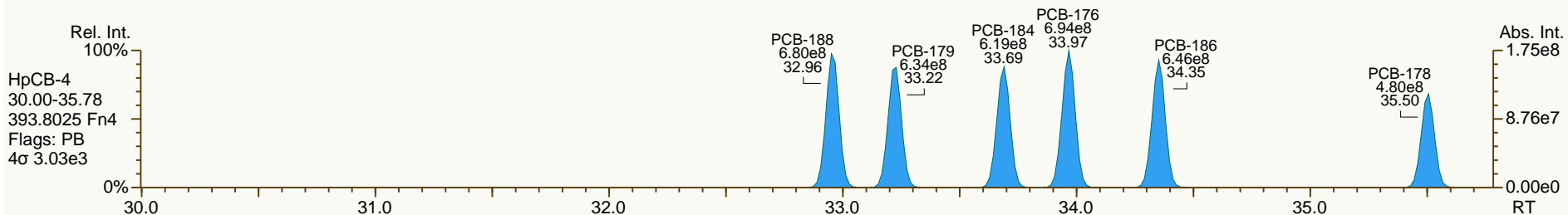


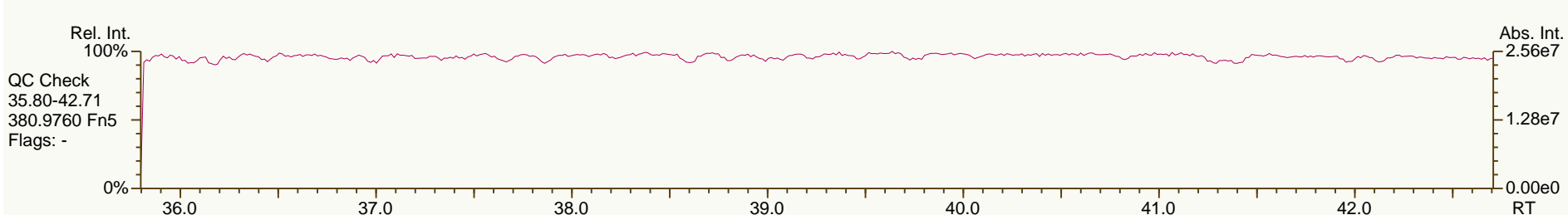
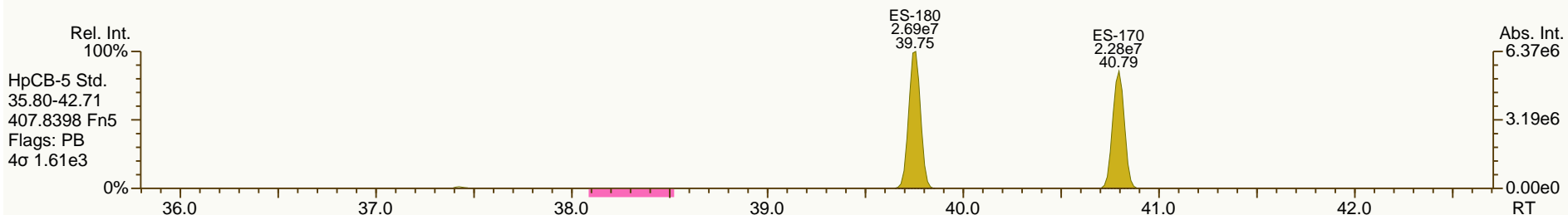
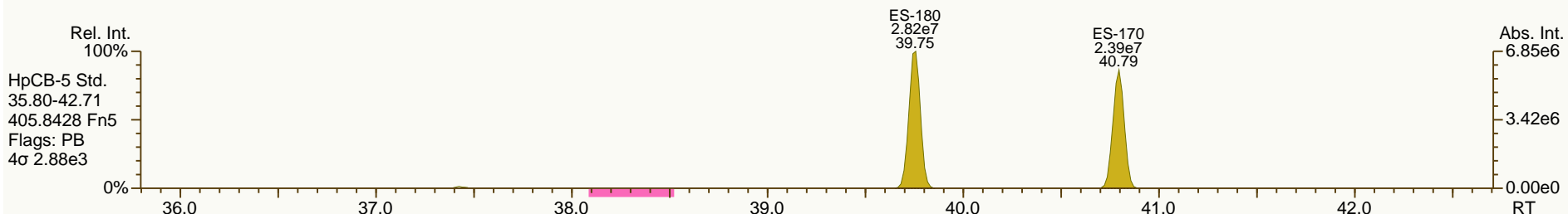
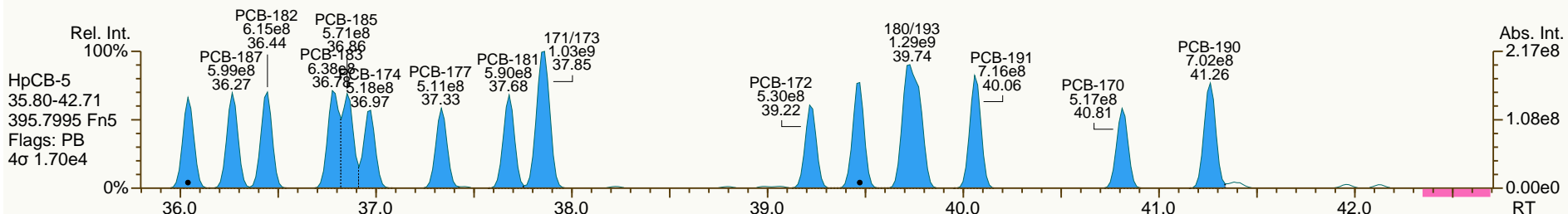
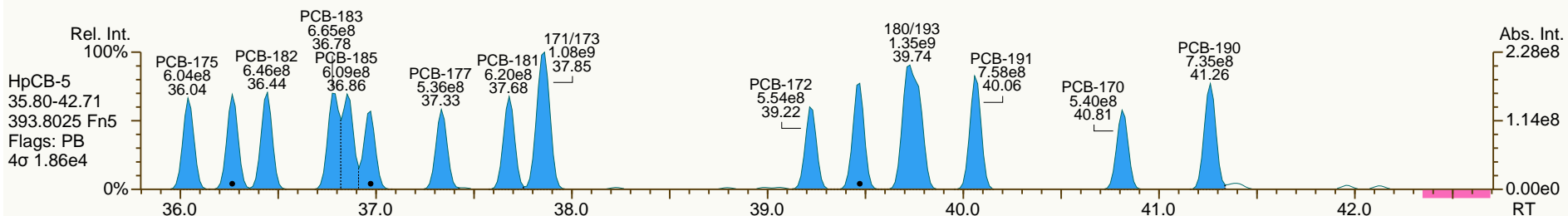


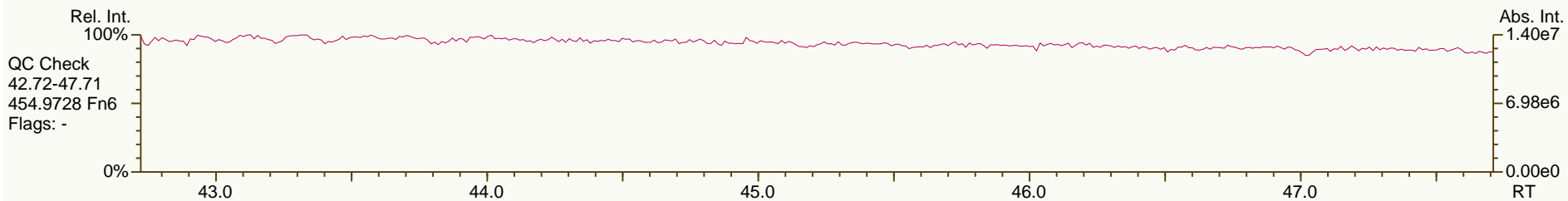
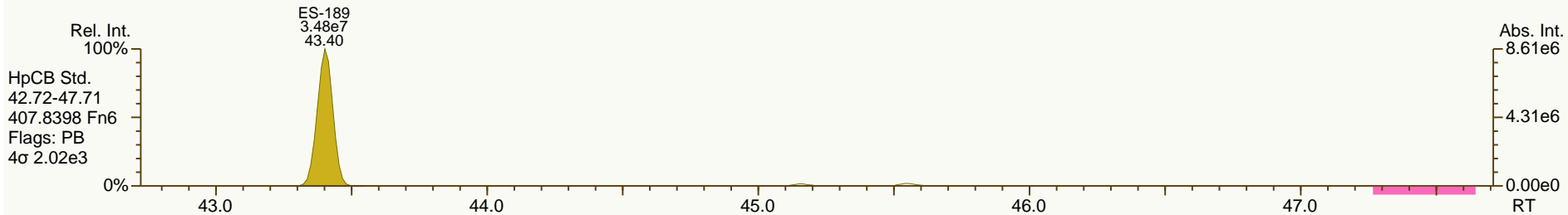
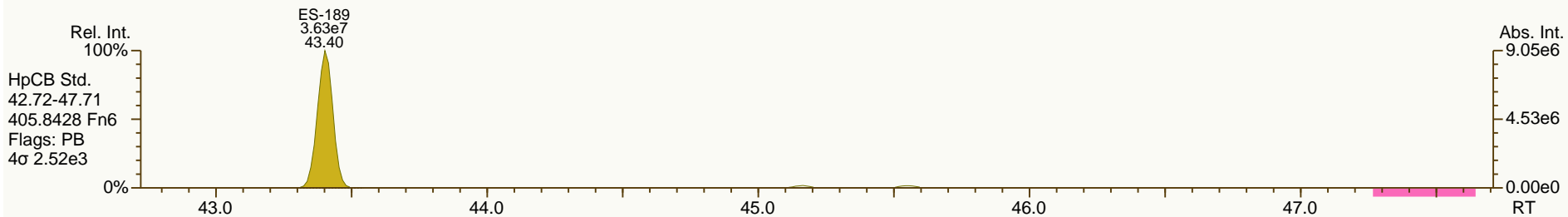
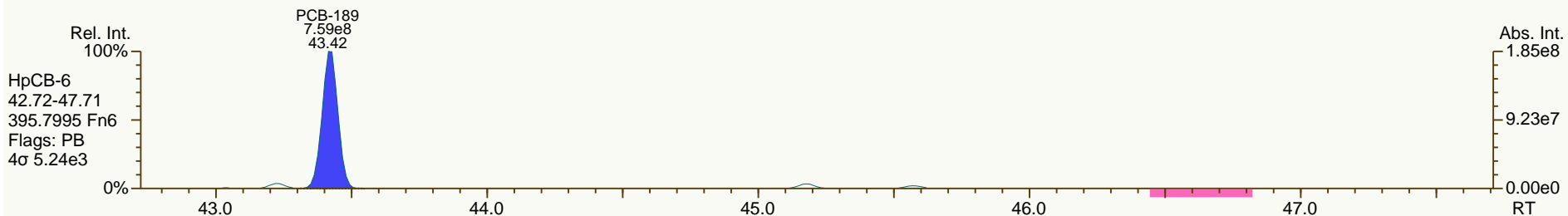
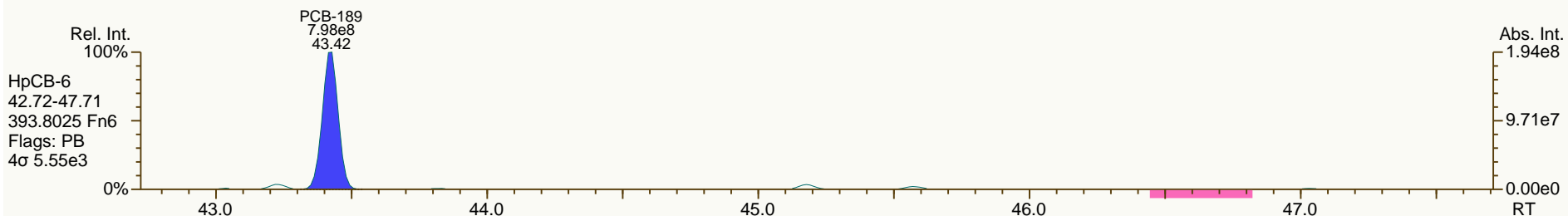


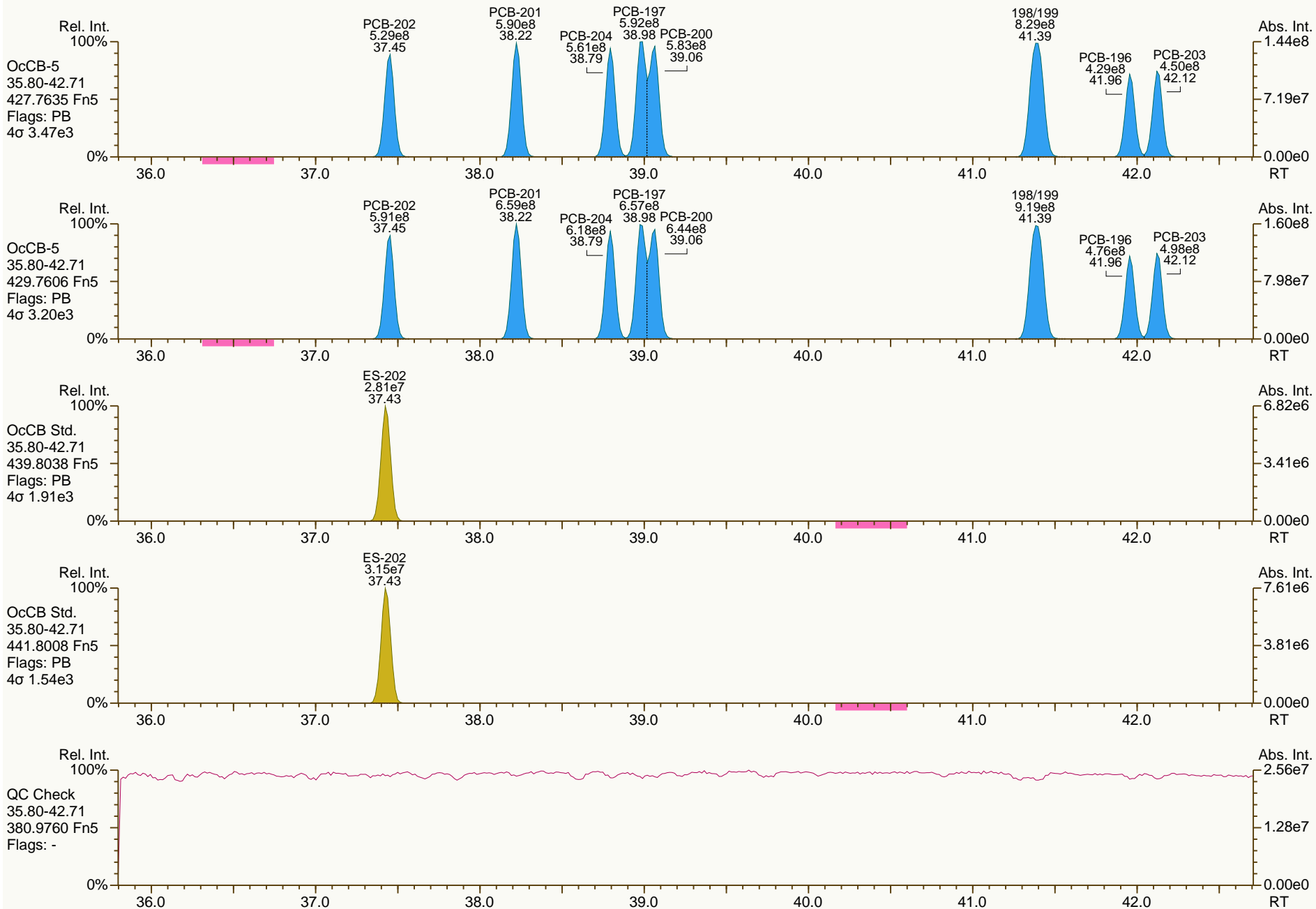


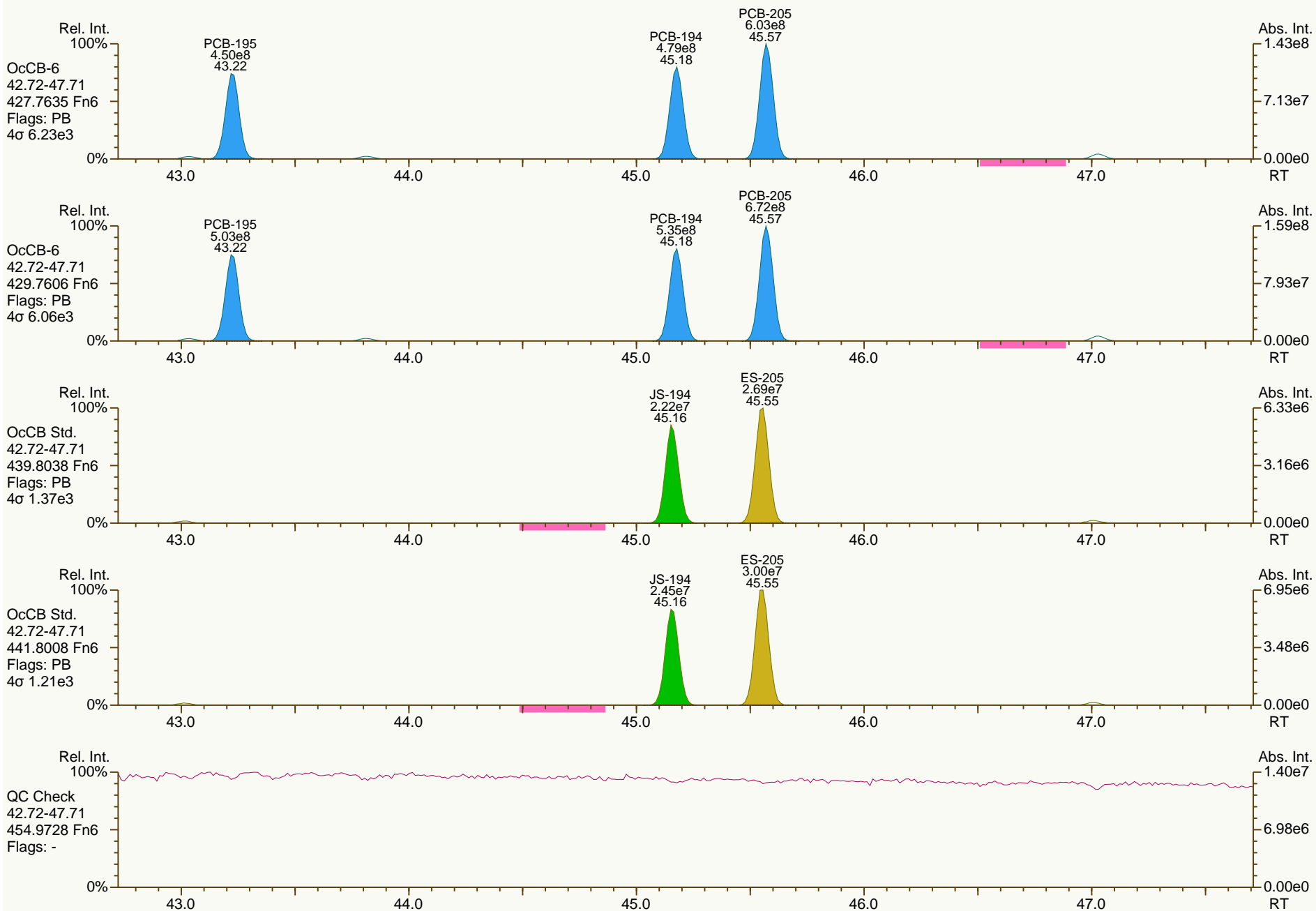


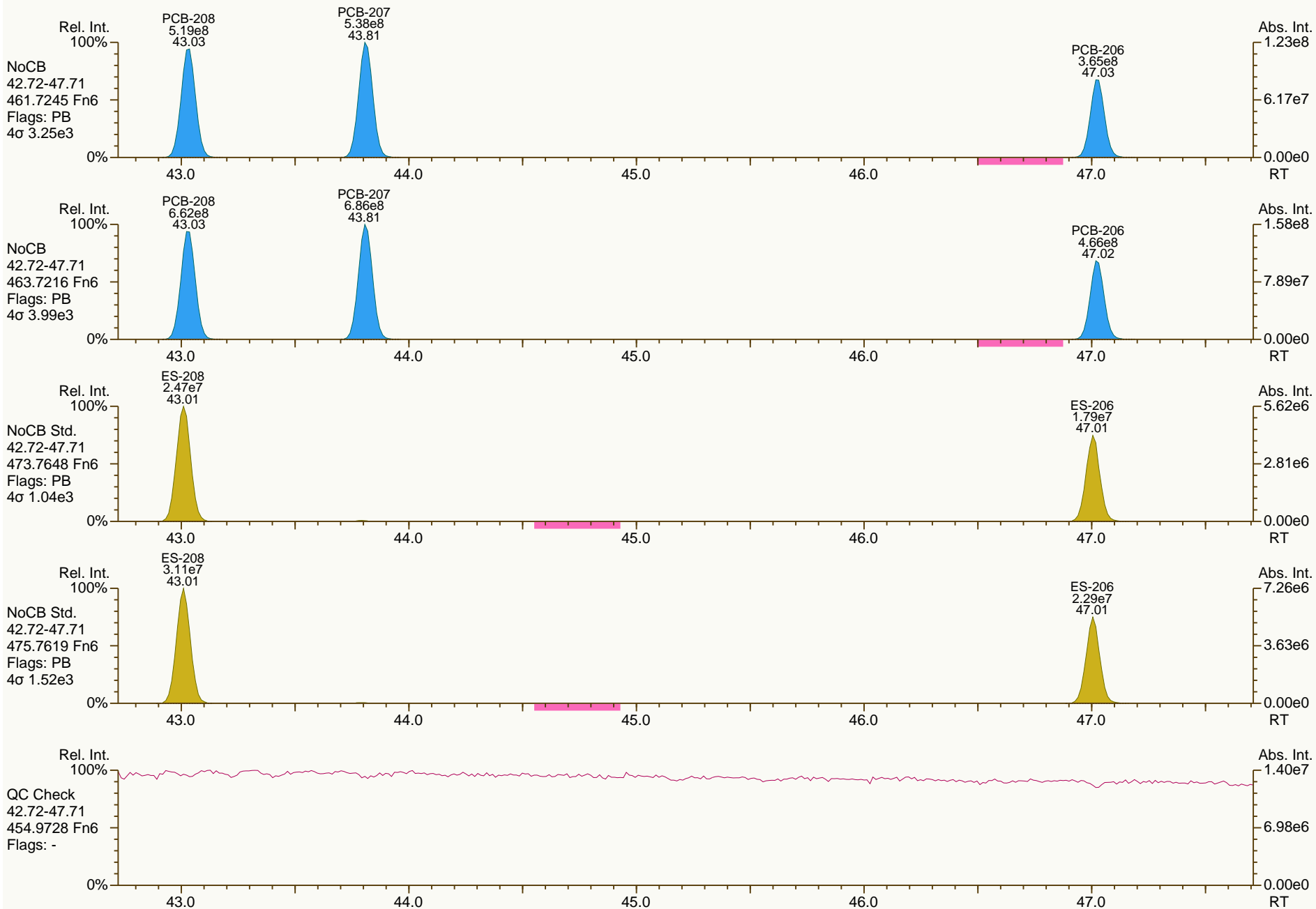


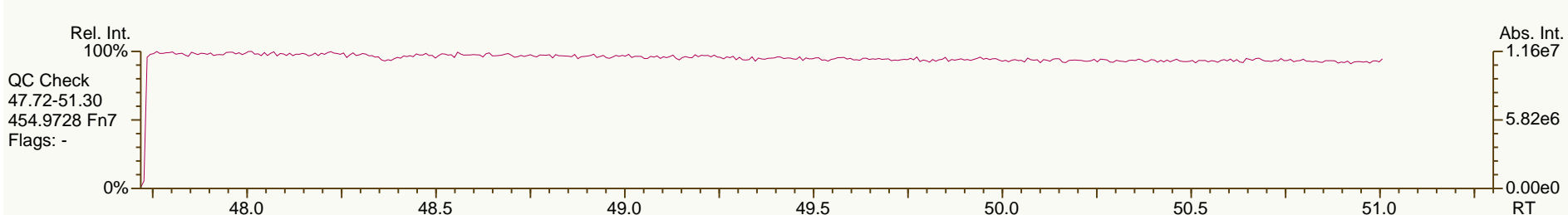
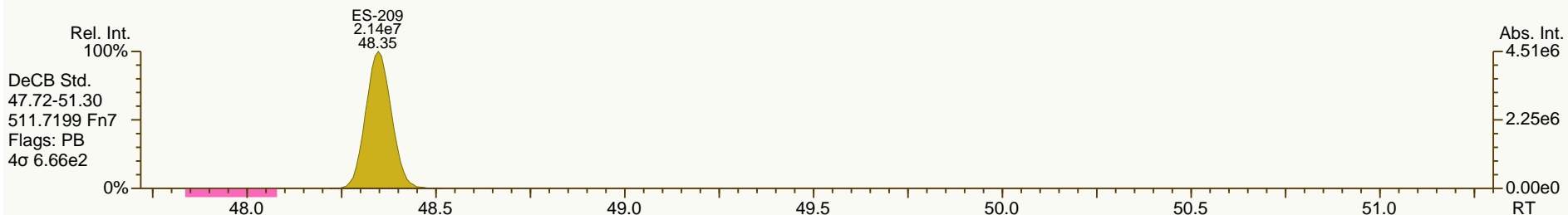
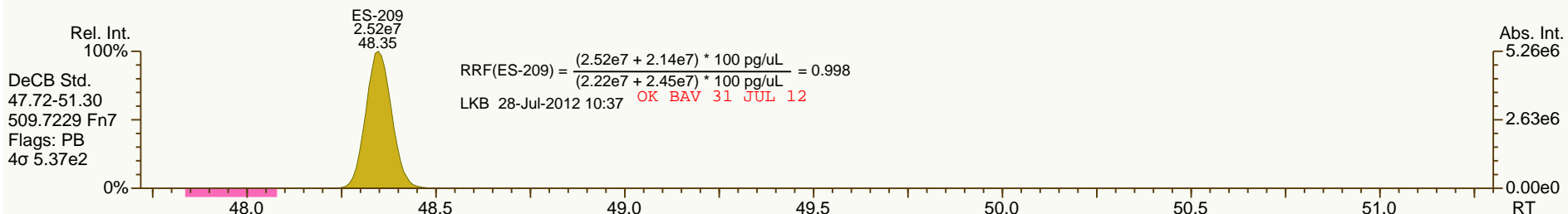
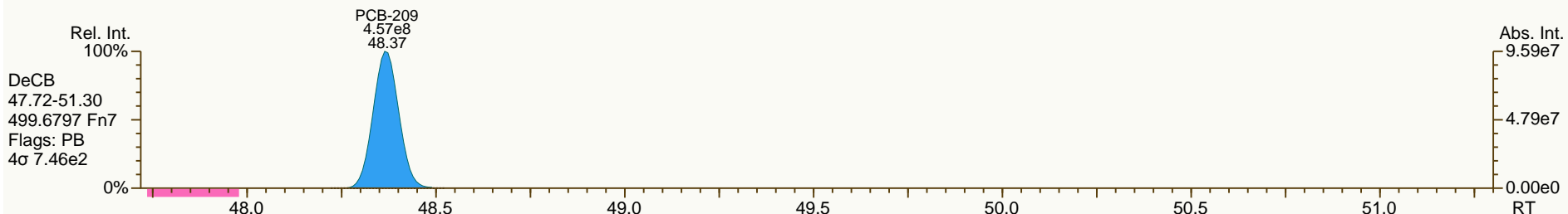
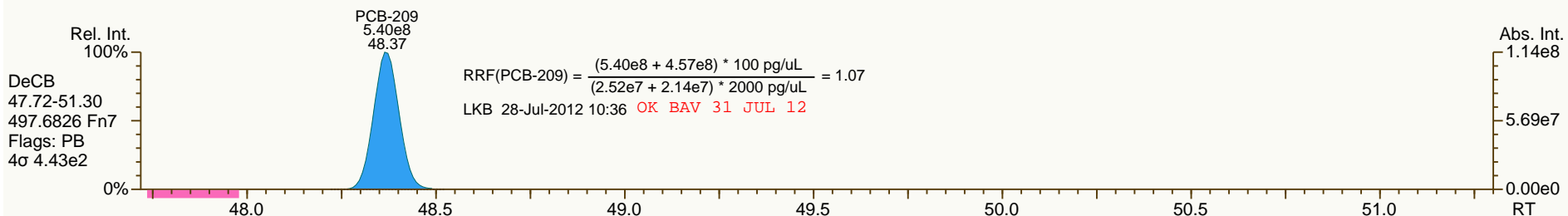




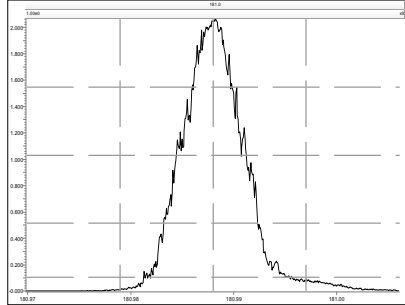




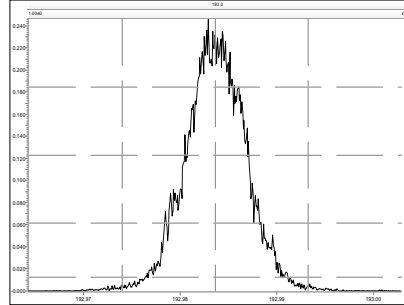




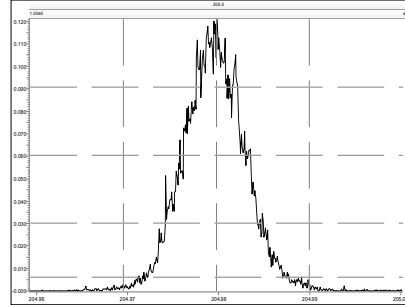
M 180.9888 R 12842



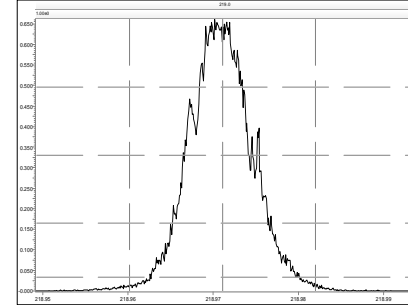
M 192.9888 R 13158



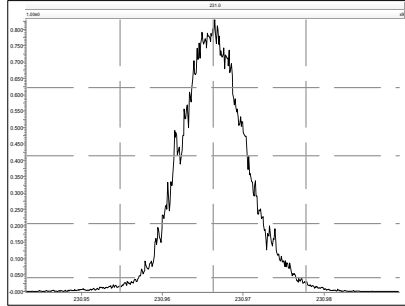
M 204.9888 R 13698



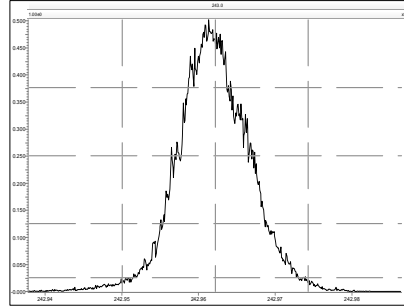
M 218.9856 R 12658



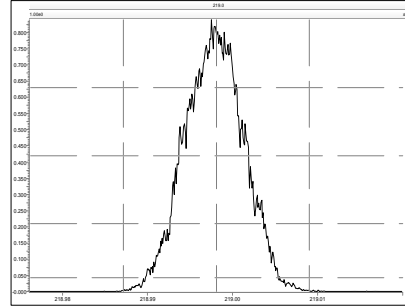
M 230.9856 R 11820



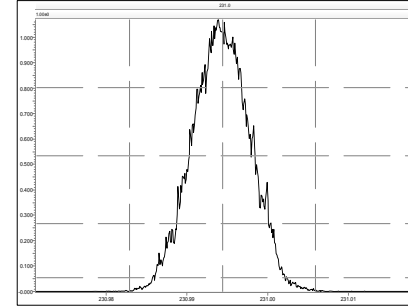
M 242.9856 R 11186



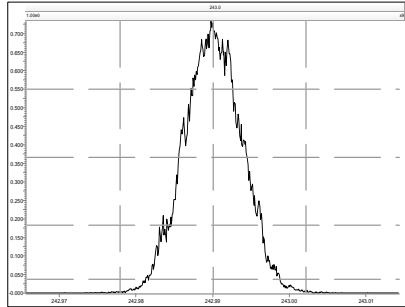
M 218.9856 R 13851



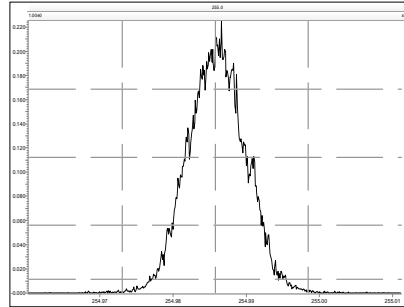
M 230.9856 R 14285



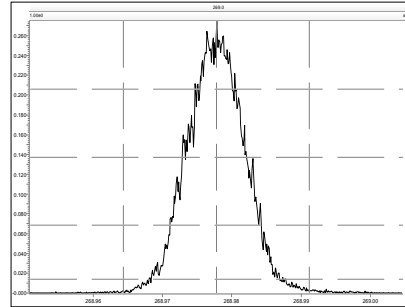
M 242.9856 R 14244



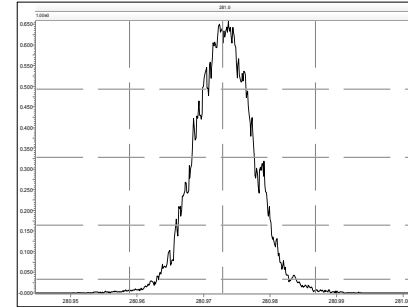
M 254.9856 R 14093



M 268.9824 R 14326

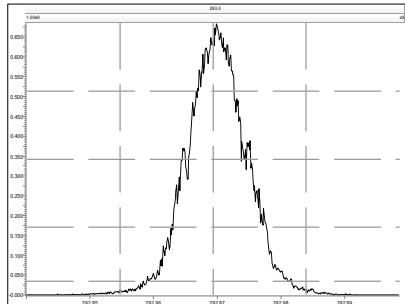


M 280.9824 R 13538

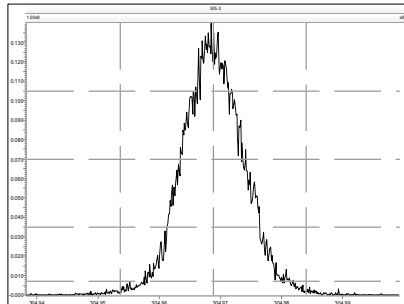


Printed: Wednesday, July 25, 2012 22:29:00 Eastern Daylight Time

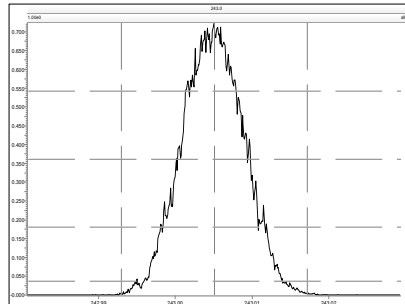
M 292.9824 R 13158



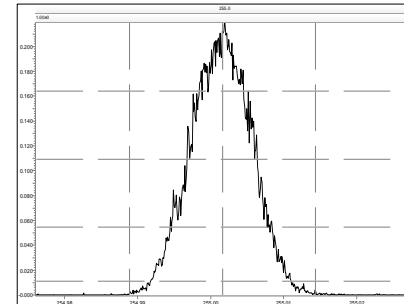
M 304.9824 R 13623



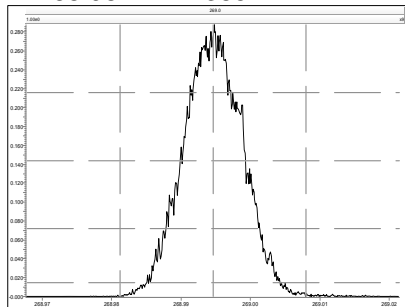
M 242.9856 R 13333



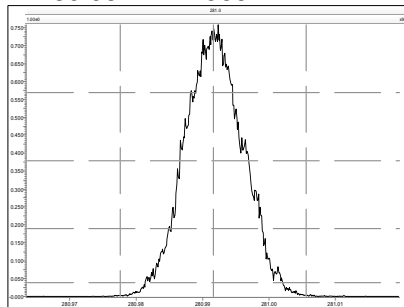
M 254.9856 R 13192



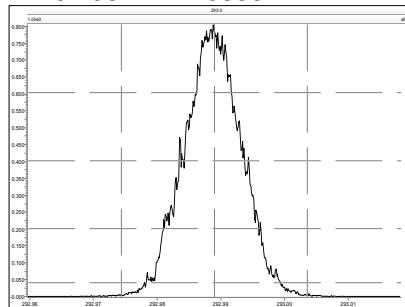
M 268.9824 R 13851



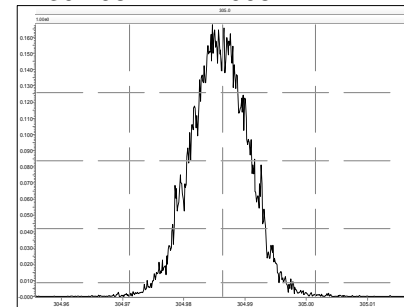
M 280.9824 R 13662



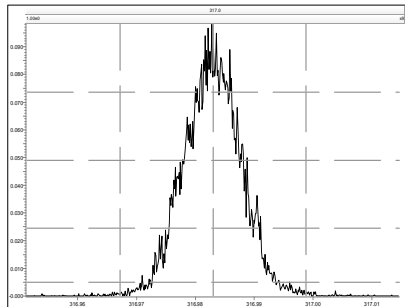
M 292.9824 R 13850



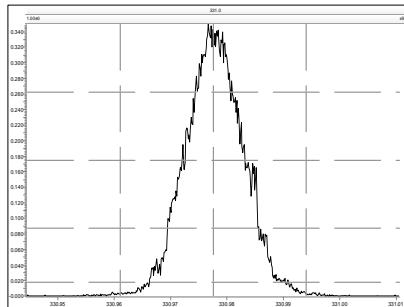
M 304.9824 R 14008



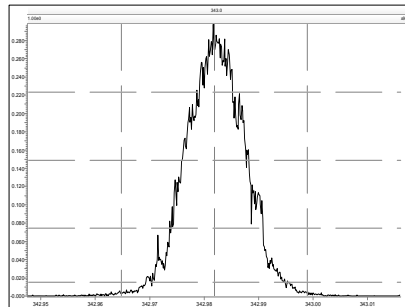
M 316.9824 R 14552



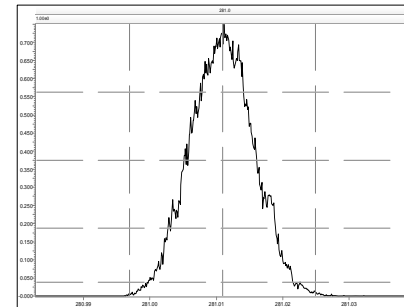
M 330.9792 R 13441



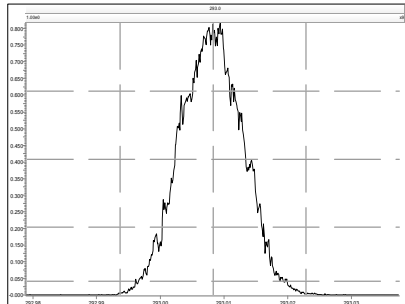
M 342.9792 R 13459



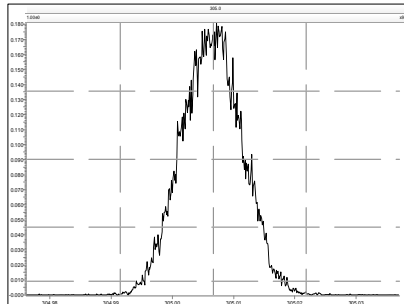
M 280.9824 R 12691



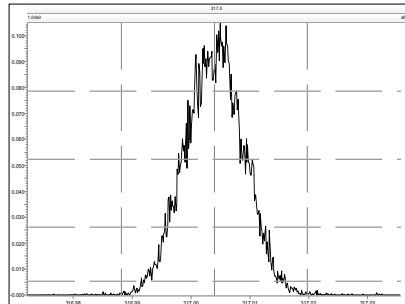
M 292.9824 R 12499



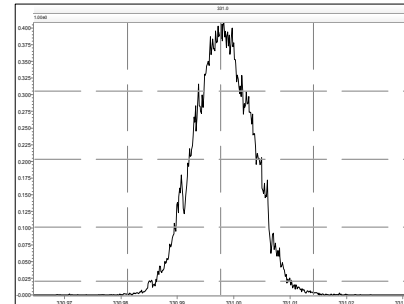
M 304.9824 R 13479



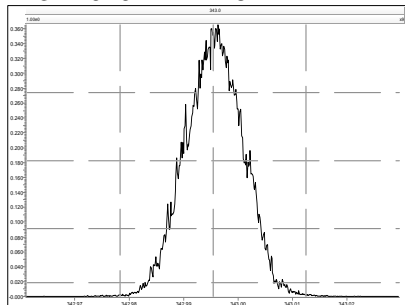
M 316.9824 R 13301



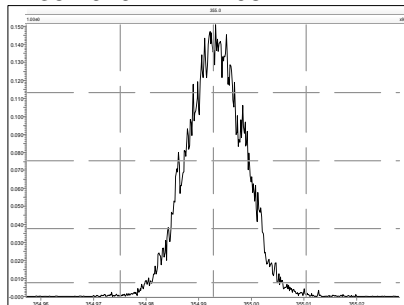
M 330.9792 R 14127



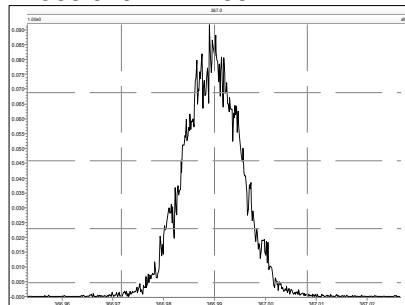
M 342.9792 R 14164



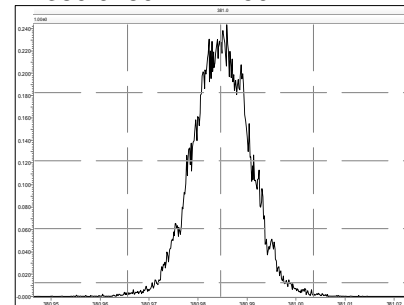
M 354.9792 R 14208



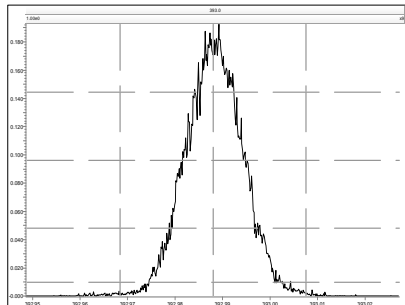
M 366.9792 R 14662



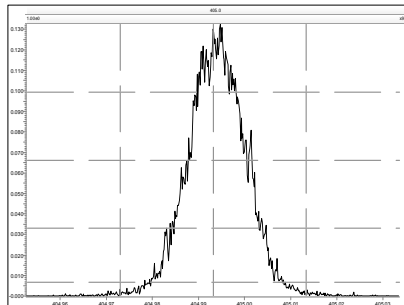
M 380.9760 R 14450



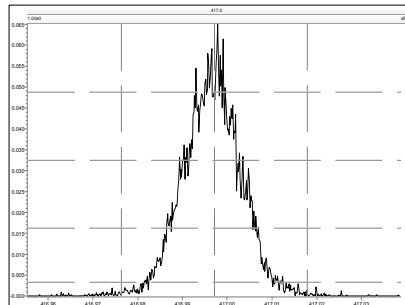
M 392.9760 R 14086



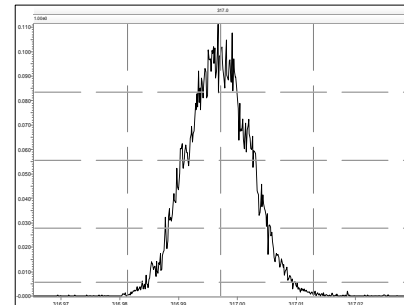
M 404.9760 R 14044



M 416.9760 R 14398

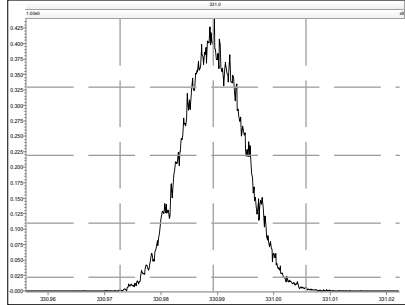


M 316.9824 R 13619

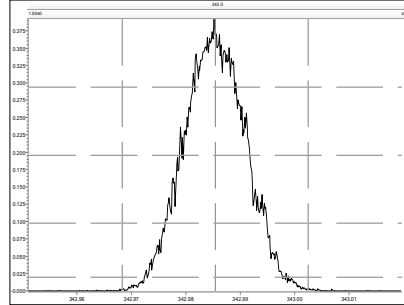


Printed: Wednesday, July 25, 2012 22:29:00 Eastern Daylight Time

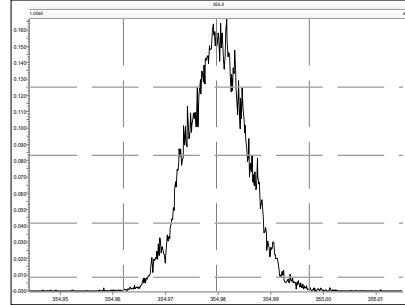
M 330.9792 R 12567



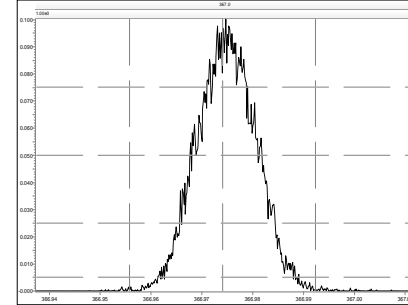
M 342.9792 R 13230



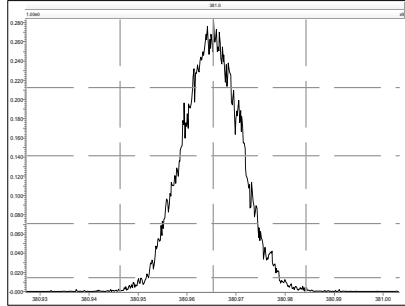
M 354.9792 R 13736



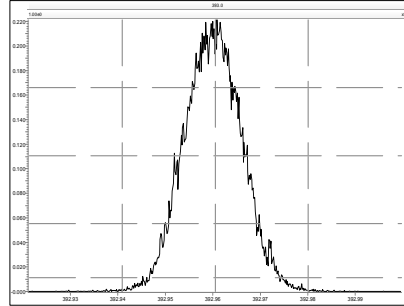
M 366.9792 R 14097



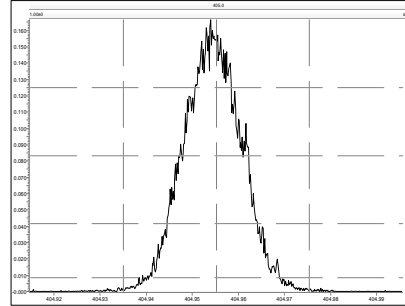
M 380.9760 R 13739



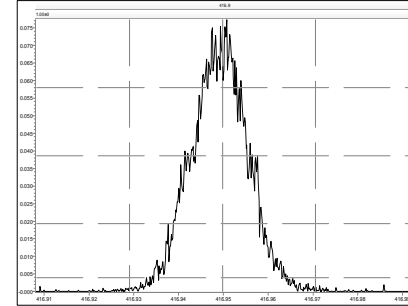
M 392.9760 R 14244



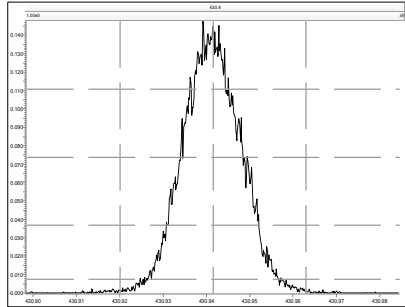
M 404.9760 R 14204



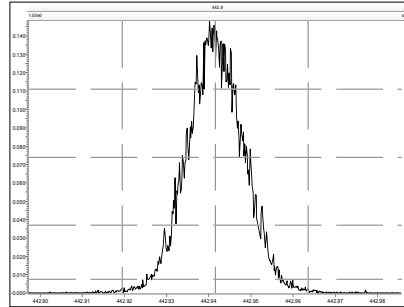
M 416.9760 R 14643



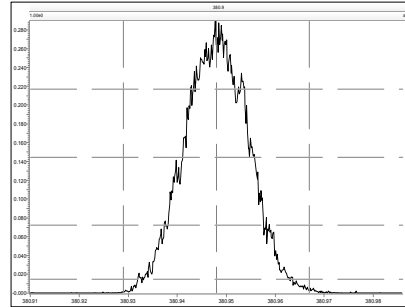
M 430.9728 R 14044



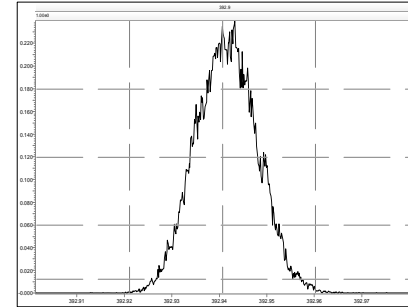
M 442.9728 R 13888



M 380.9760 R 12598

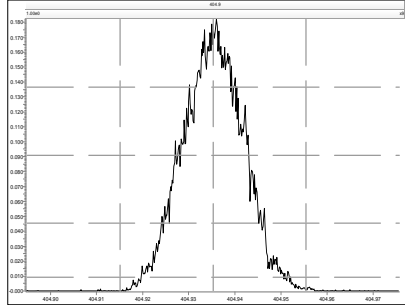


M 392.9760 R 12991

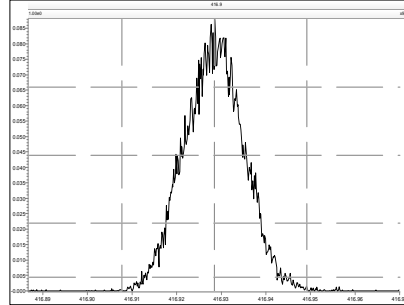


Printed: Wednesday, July 25, 2012 22:29:00 Eastern Daylight Time

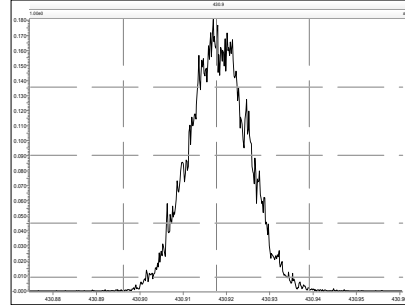
M 404.9760 R 13228



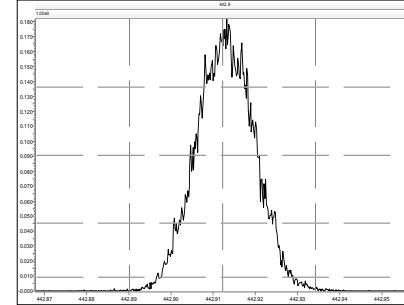
M 416.9760 R 13826



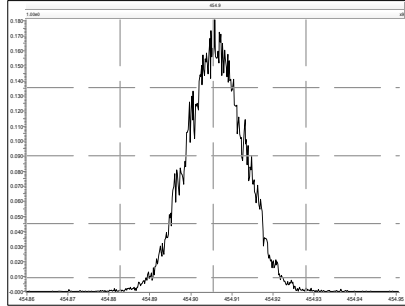
M 430.9728 R 13635



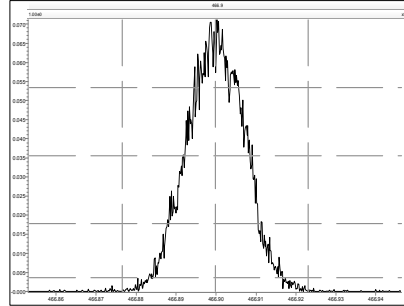
M 442.9728 R 13928



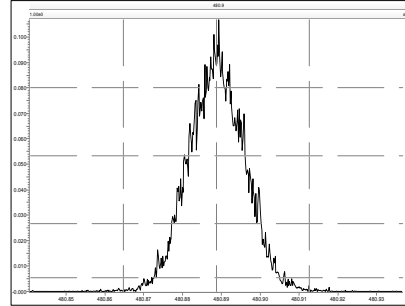
M 454.9728 R 14411



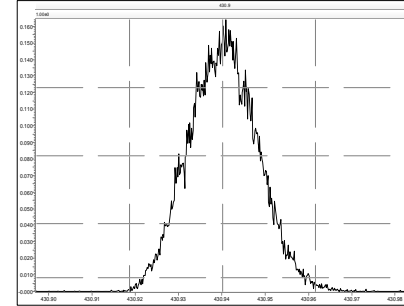
M 466.9728 R 14215



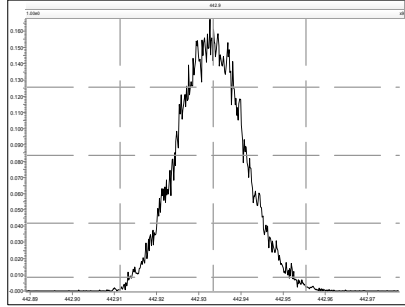
M 480.9696 R 14250



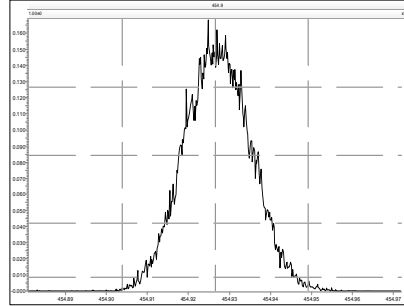
M 430.9728 R 11390



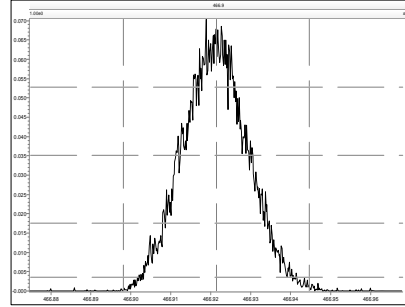
M 442.9728 R 11765



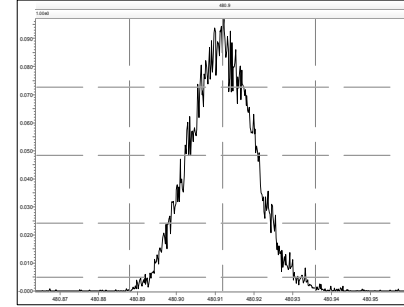
M 454.9728 R 12019



M 466.9728 R 12348

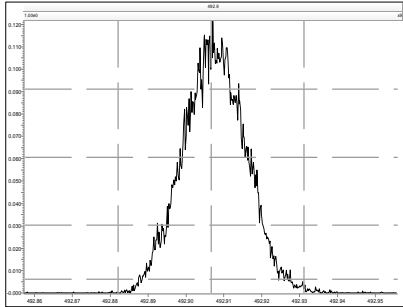


M 480.9696 R 12789

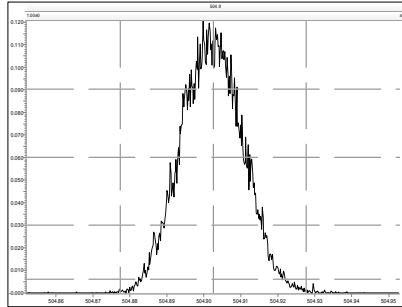


Printed: Wednesday, July 25, 2012 22:29:00 Eastern Daylight Time

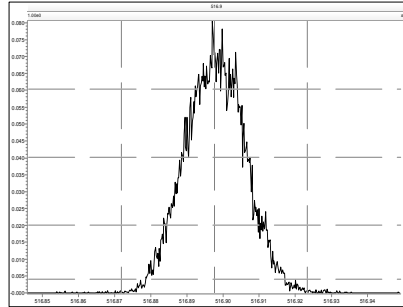
M 492.9696 R 12690



M 504.9696 R 12756

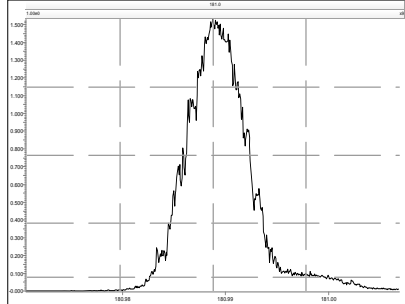


M 516.9697 R 13368

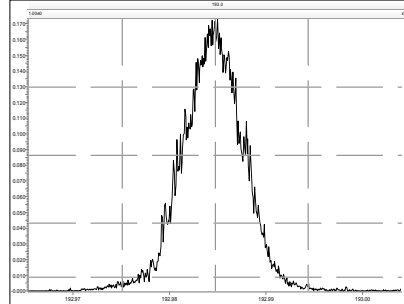


Printed: Thursday, July 26, 2012 08:33:07 Eastern Daylight Time

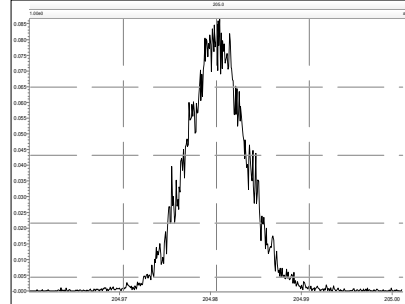
M 180.9888 R 10376



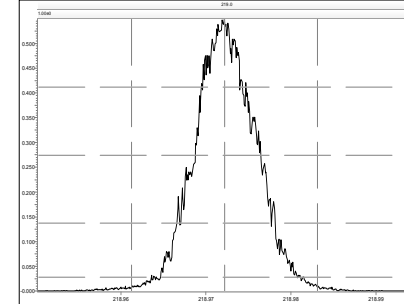
M 192.9888 R 14045



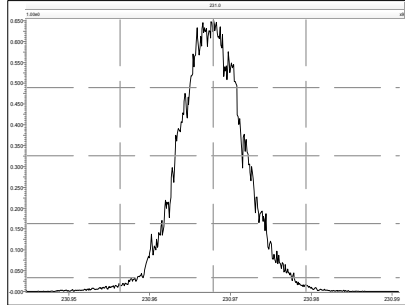
M 204.9888 R 13737



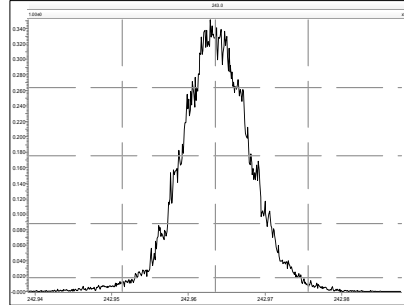
M 218.9856 R 12991



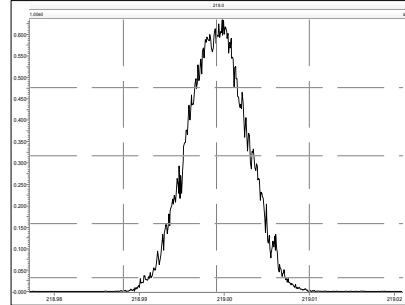
M 230.9856 R 12136



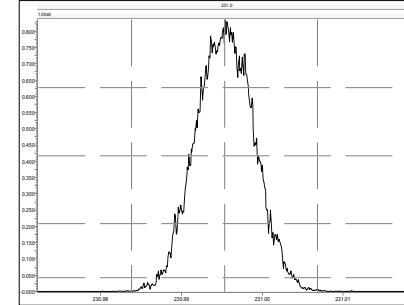
M 242.9856 R 11476



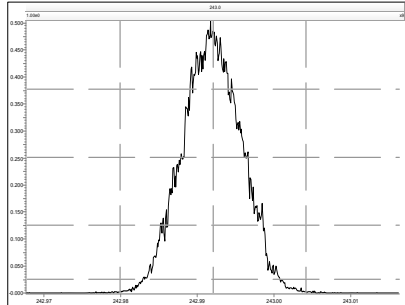
M 218.9856 R 13623



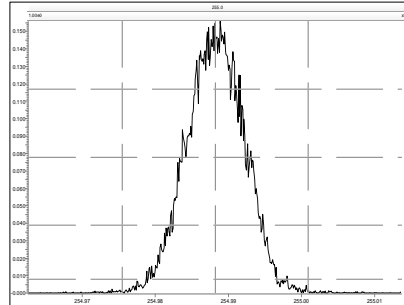
M 230.9856 R 13700



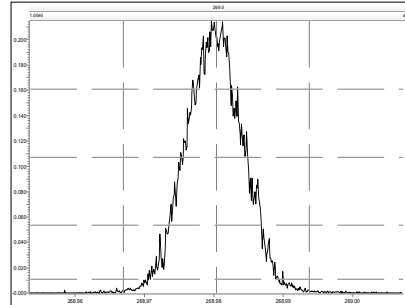
M 242.9856 R 13699



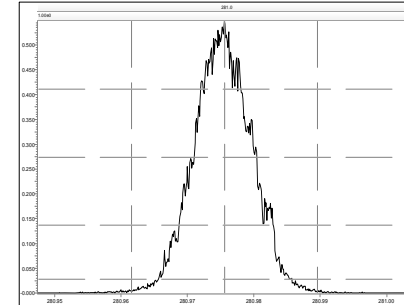
M 254.9856 R 14247



M 268.9824 R 14411

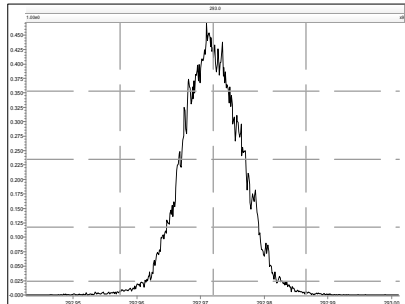


M 280.9824 R 14253

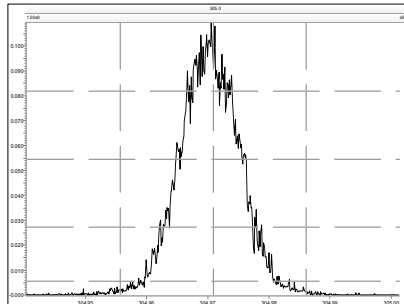


Printed: Thursday, July 26, 2012 08:33:07 Eastern Daylight Time

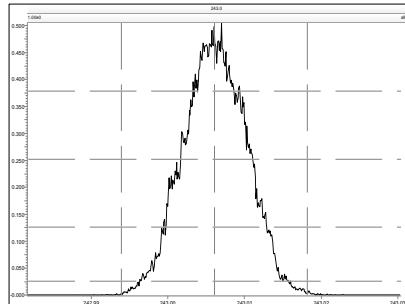
M 292.9824 R 13818



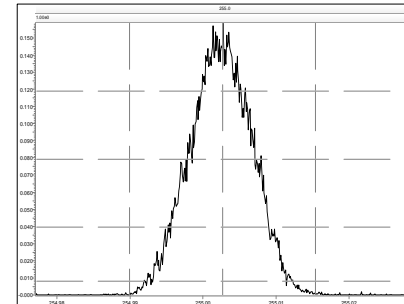
M 304.9824 R 13822



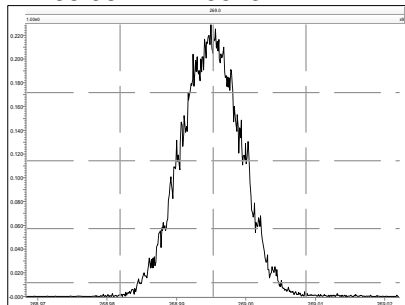
M 242.9856 R 12530



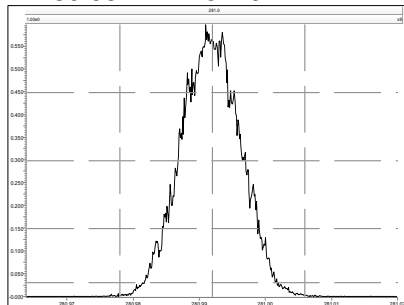
M 254.9856 R 13554



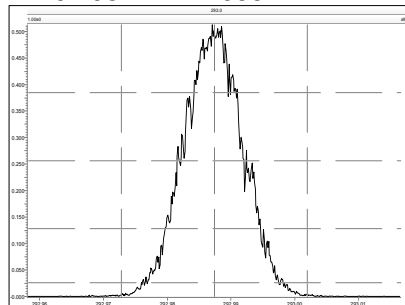
M 268.9824 R 13513



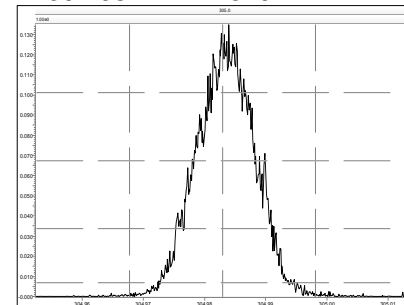
M 280.9824 R 13479



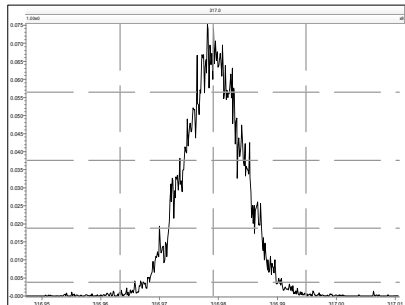
M 292.9824 R 14086



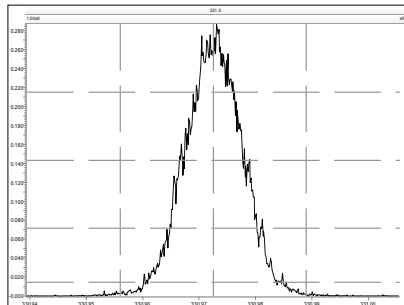
M 304.9824 R 14579



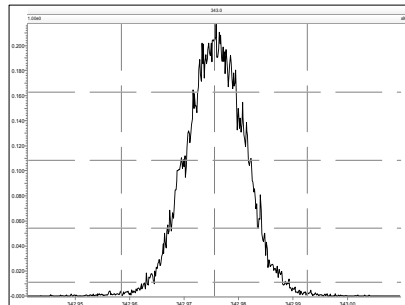
M 316.9824 R 14408



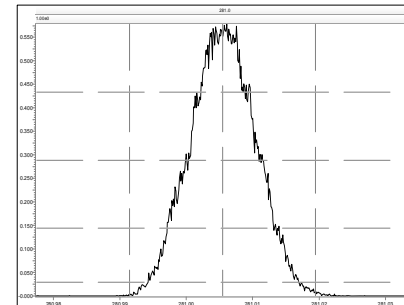
M 330.9792 R 14208



M 342.9792 R 14097

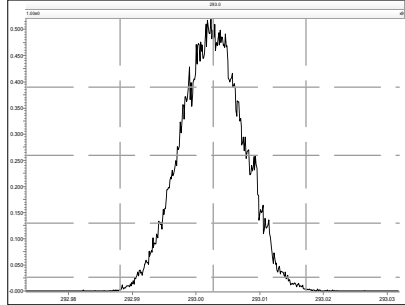


M 280.9824 R 12194

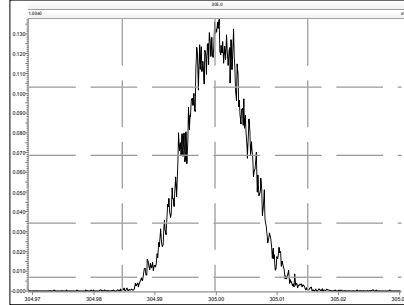


Printed: Thursday, July 26, 2012 08:33:07 Eastern Daylight Time

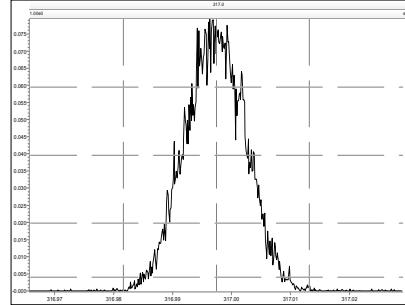
M 292.9824 R 12194



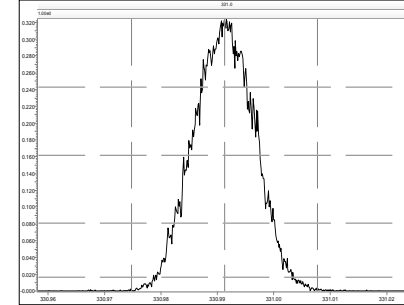
M 304.9824 R 13262



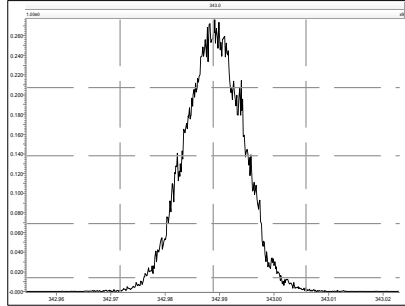
M 316.9824 R 13778



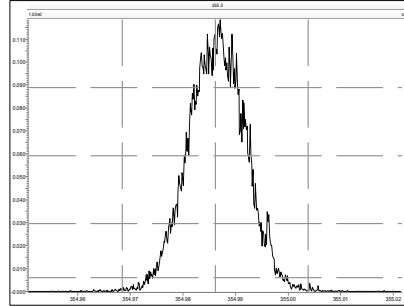
M 330.9792 R 13850



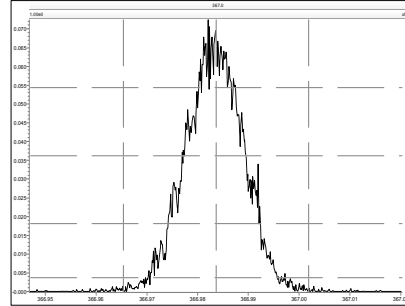
M 342.9792 R 13698



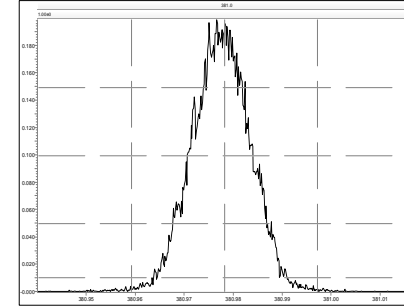
M 354.9792 R 13927



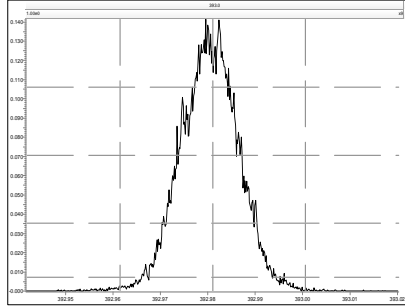
M 366.9792 R 14371



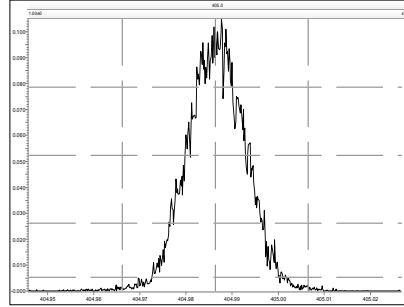
M 380.9760 R 14326



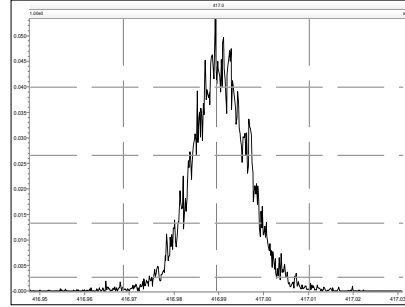
M 392.9760 R 14705



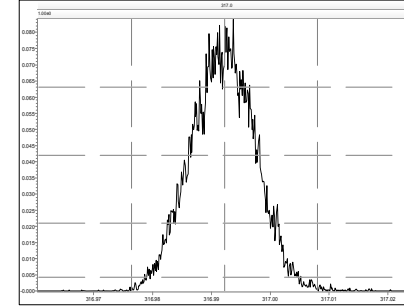
M 404.9760 R 14935



M 416.9760 R 14384

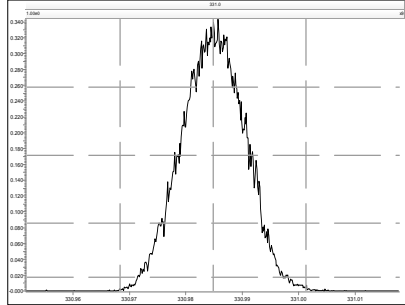


M 316.9824 R 12383

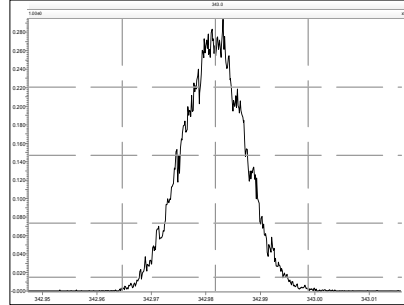


Printed: Thursday, July 26, 2012 08:33:07 Eastern Daylight Time

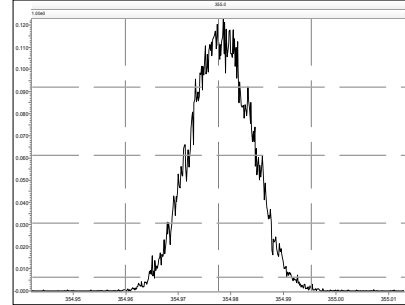
M 330.9792 R 12820



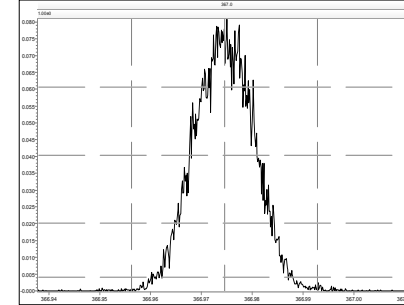
M 342.9792 R 12922



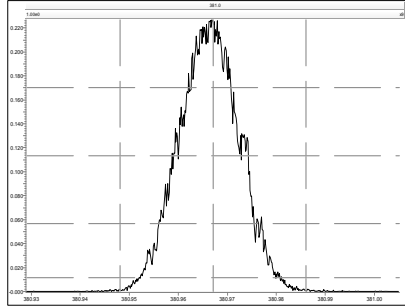
M 354.9792 R 12987



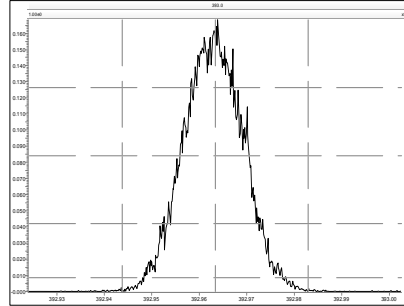
M 366.9792 R 14080



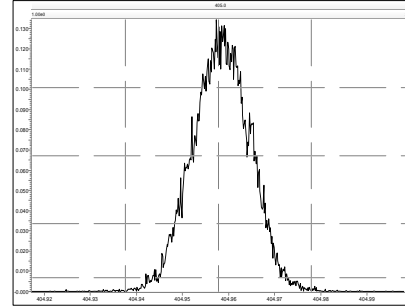
M 380.9760 R 13774



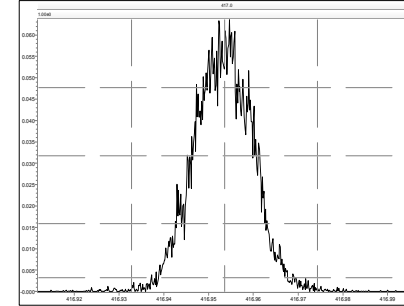
M 392.9760 R 13588



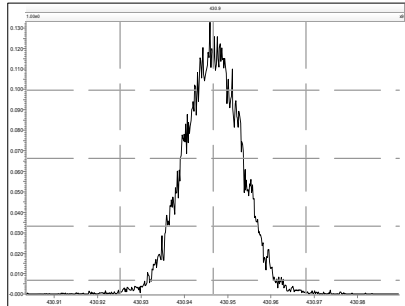
M 404.9760 R 14204



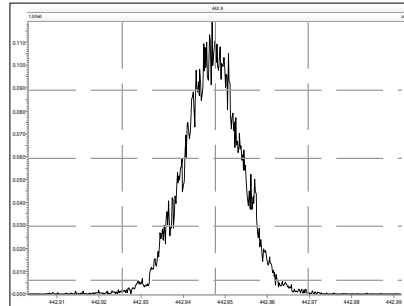
M 416.9760 R 14713



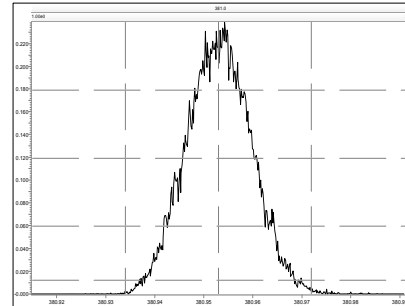
M 430.9728 R 14836



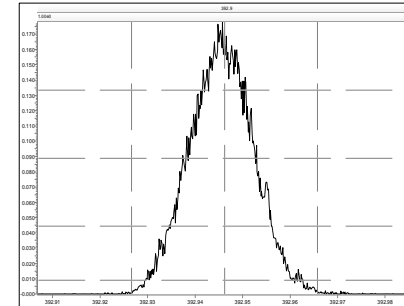
M 442.9728 R 14971



M 380.9760 R 12377

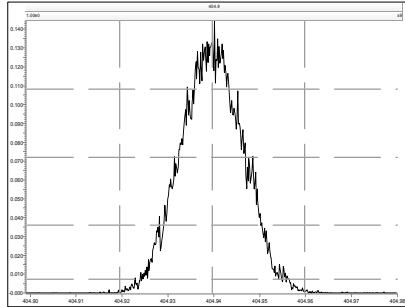


M 392.9760 R 12695

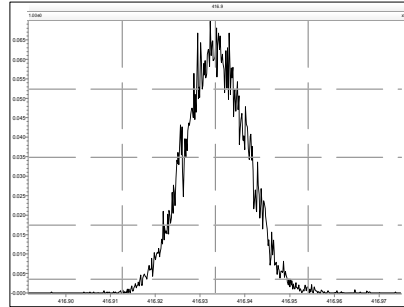


Printed: Thursday, July 26, 2012 08:33:07 Eastern Daylight Time

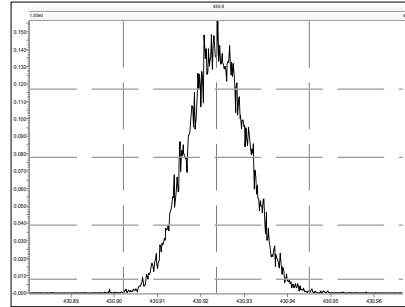
M 404.9760 R 12991



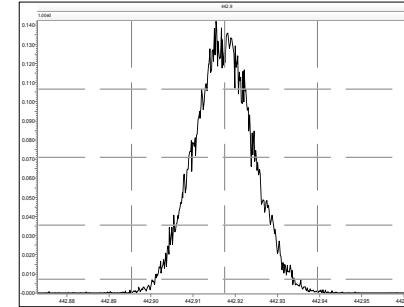
M 416.9760 R 13163



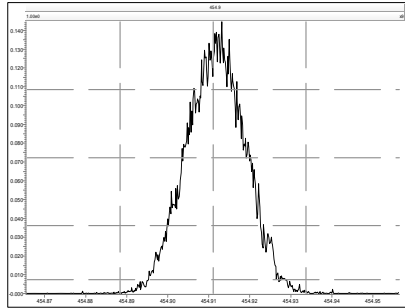
M 430.9728 R 13196



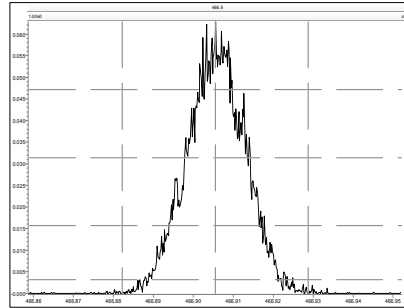
M 442.9728 R 13476



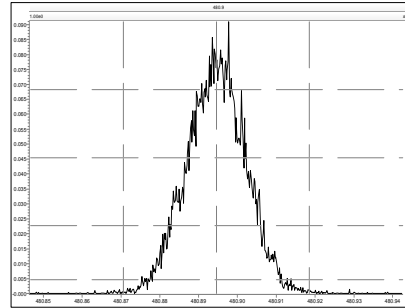
M 454.9728 R 13930



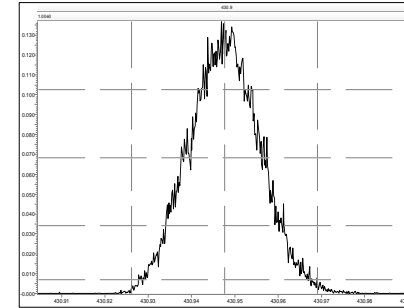
M 466.9728 R 14006



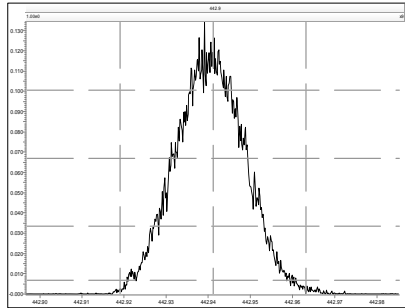
M 480.9696 R 14552



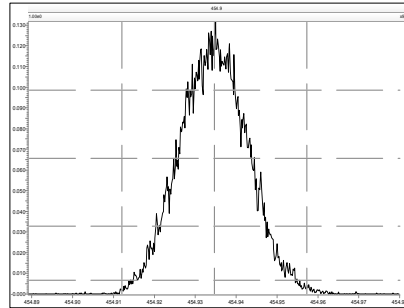
M 430.9728 R 11497



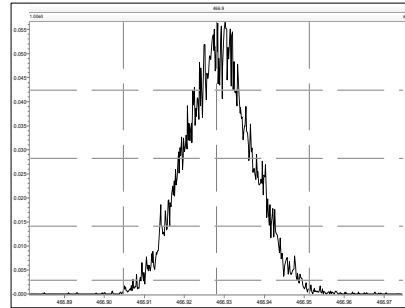
M 442.9728 R 11603



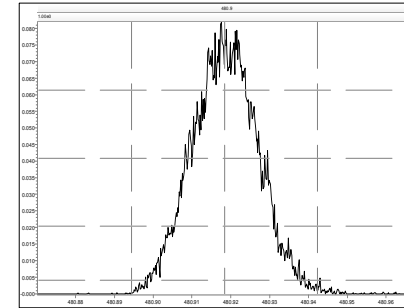
M 454.9728 R 11685



M 466.9728 R 12612

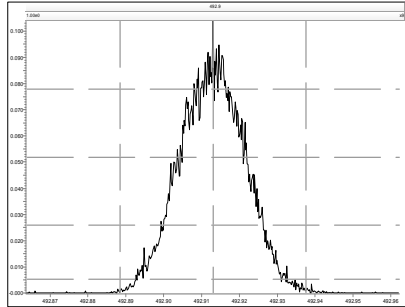


M 480.9696 R 12195

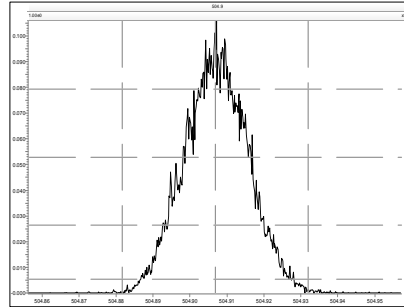


Printed: Thursday, July 26, 2012 08:33:07 Eastern Daylight Time

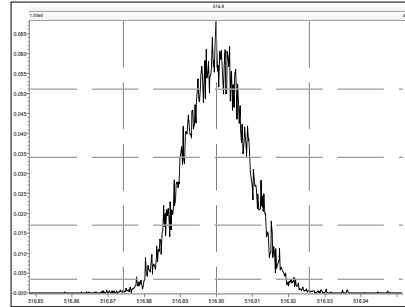
M 492.9696 R 12380

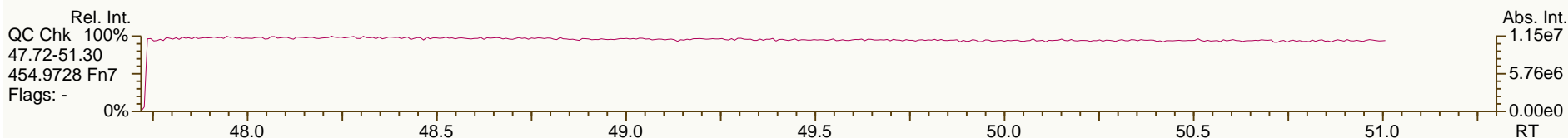
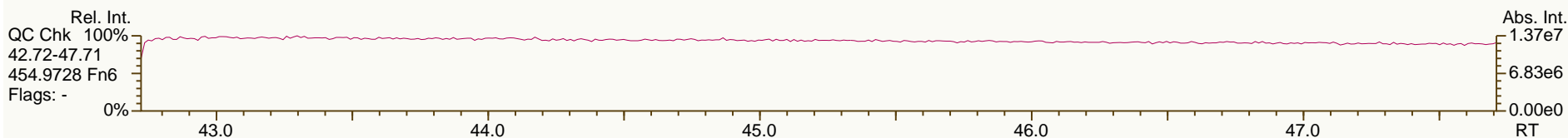
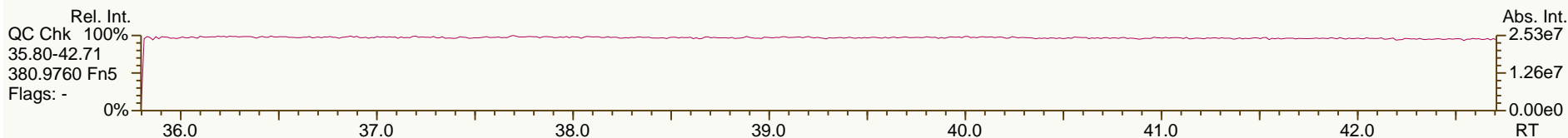
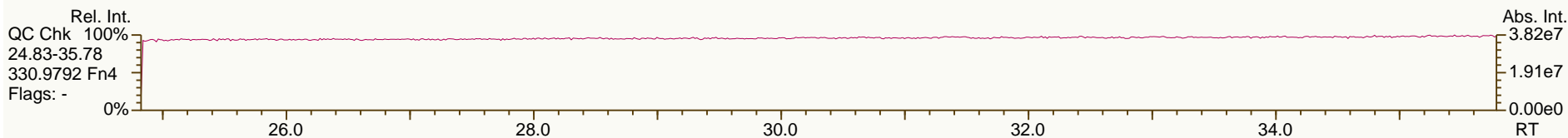
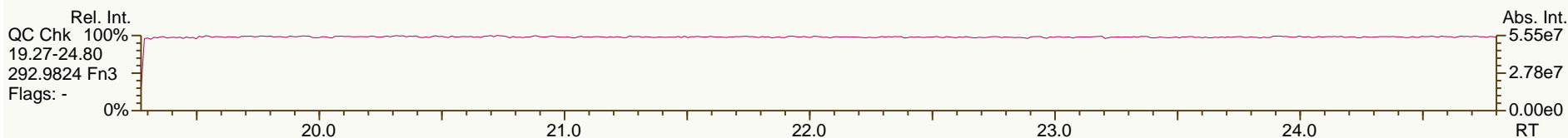
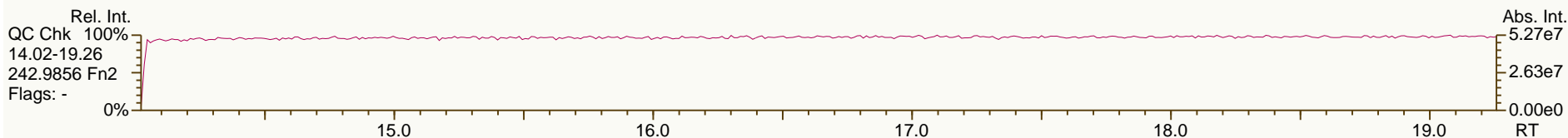
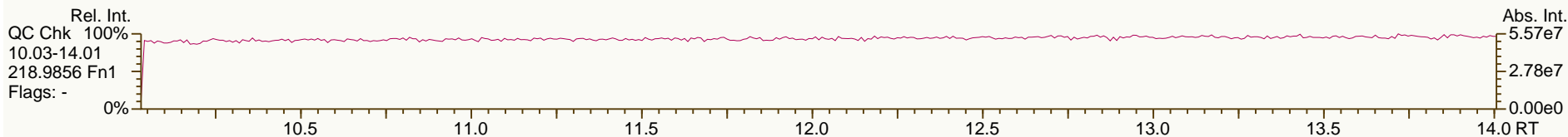


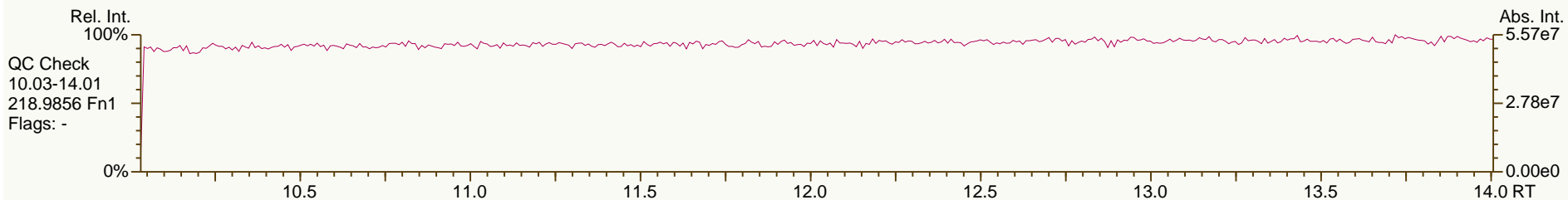
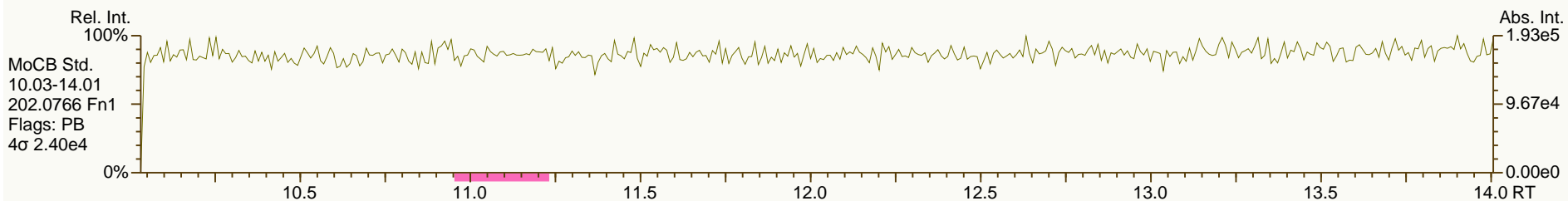
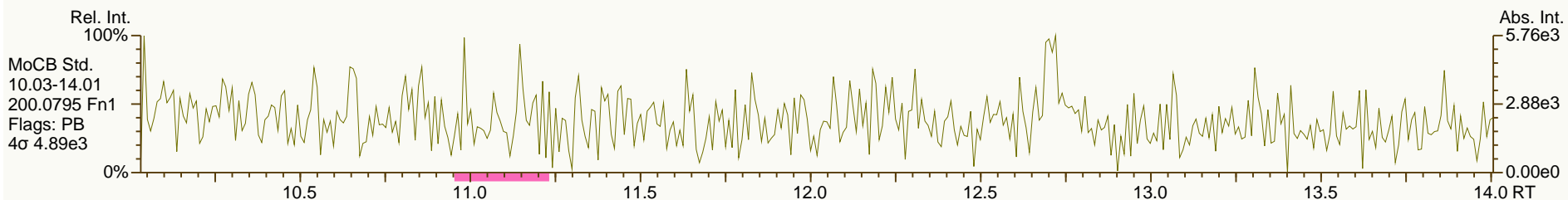
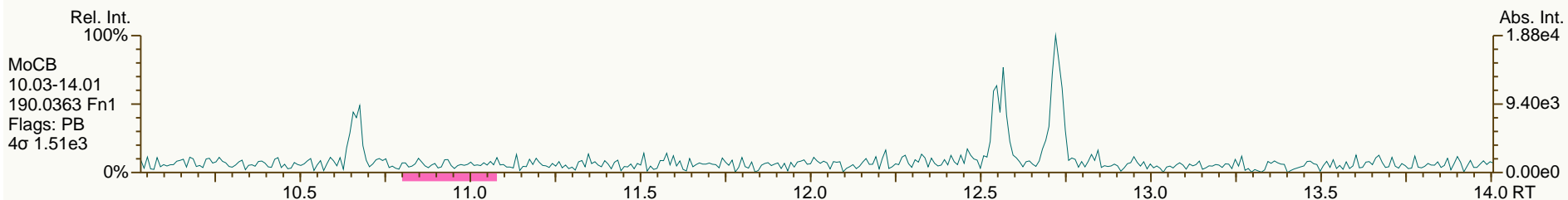
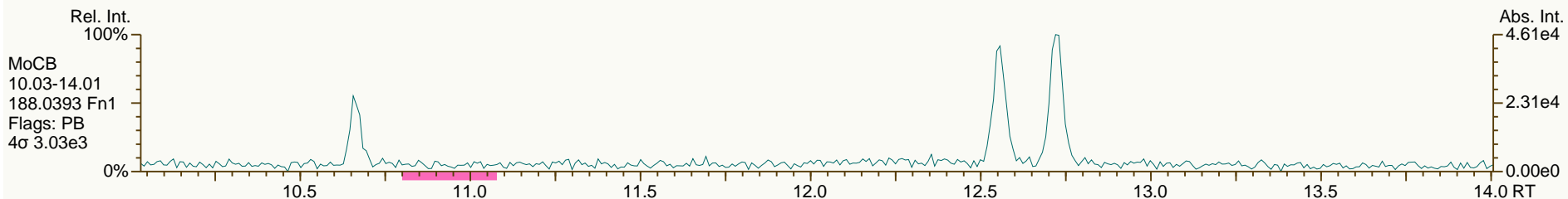
M 504.9696 R 12583

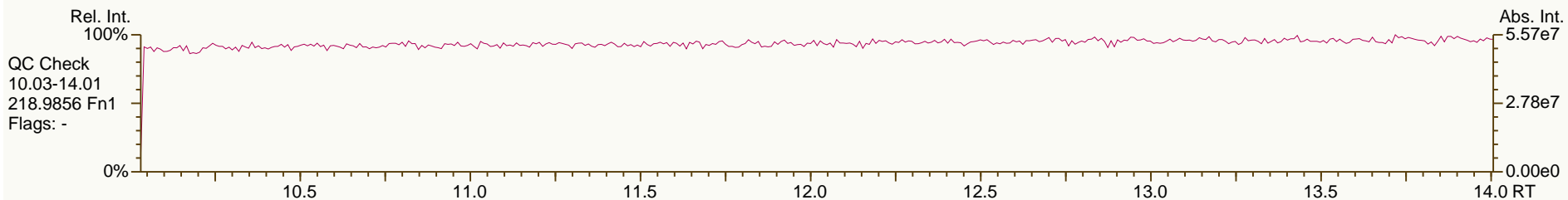
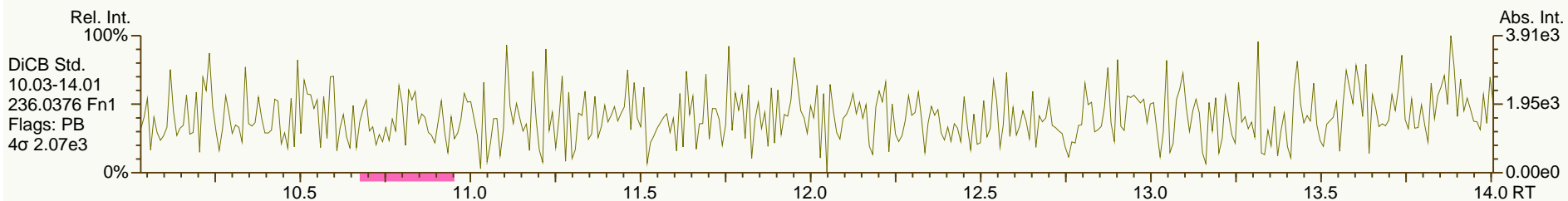
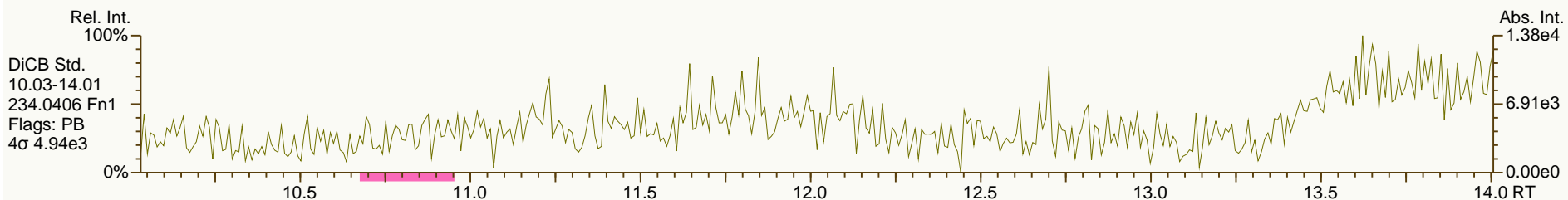
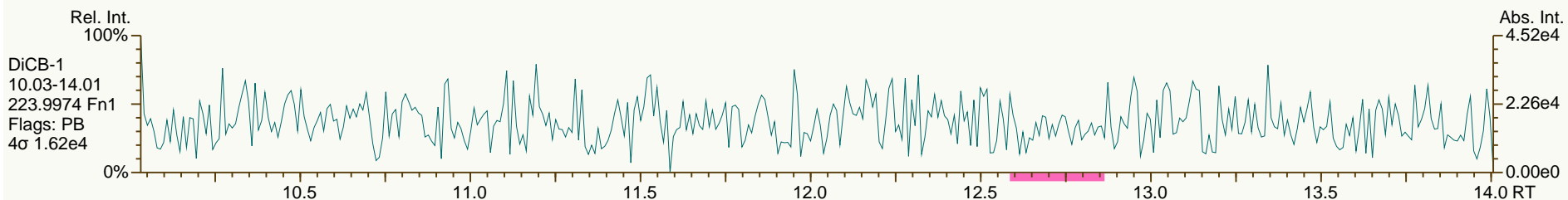
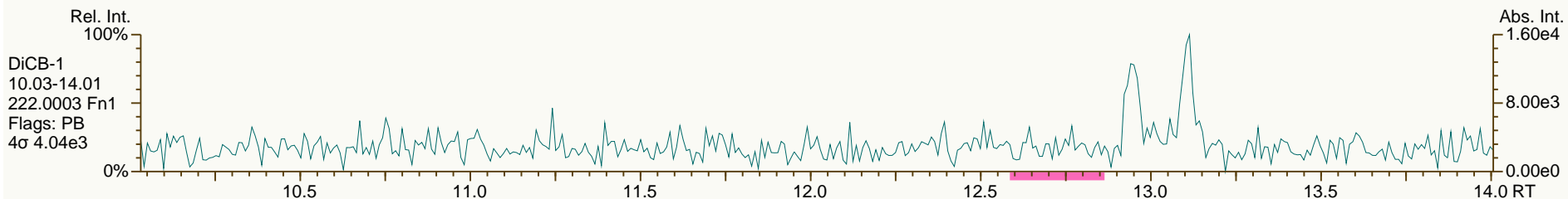


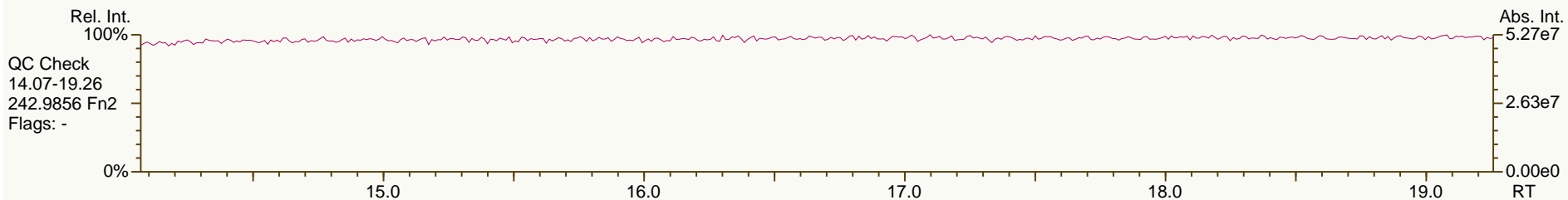
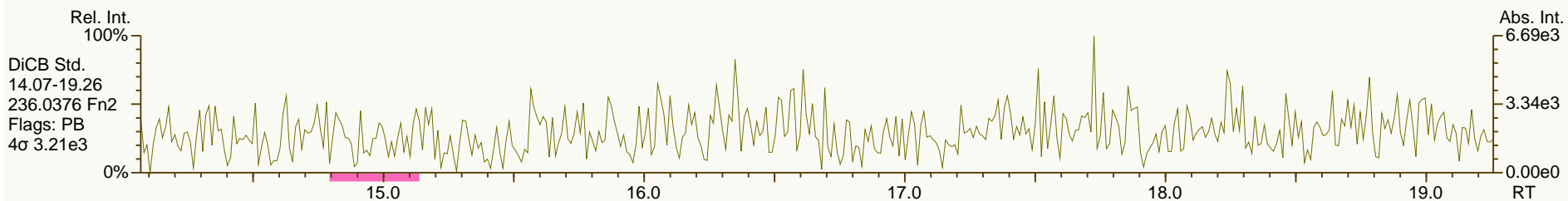
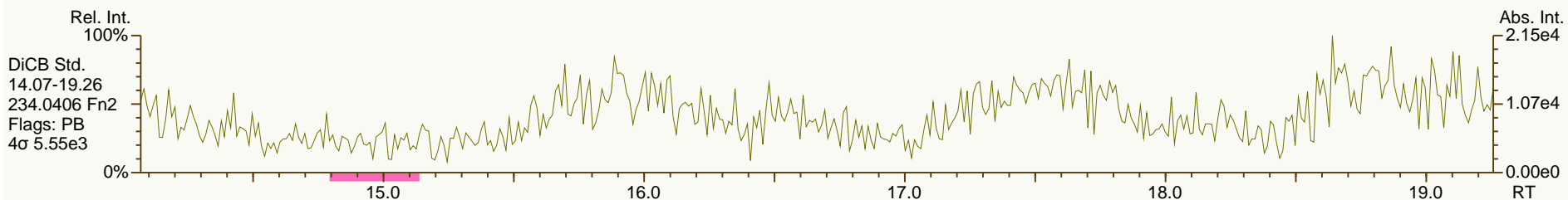
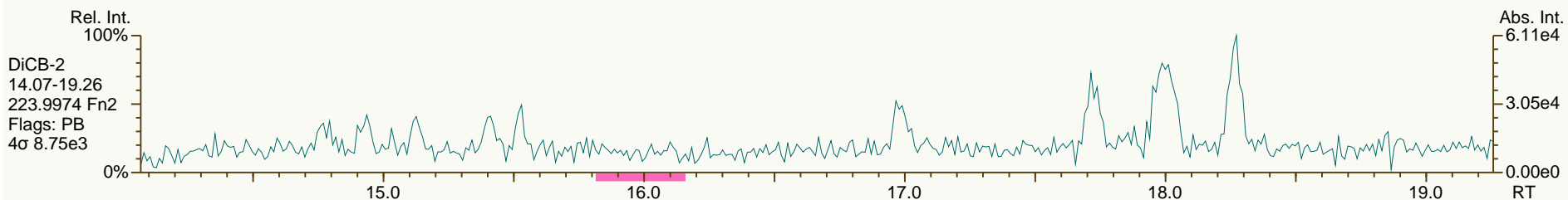
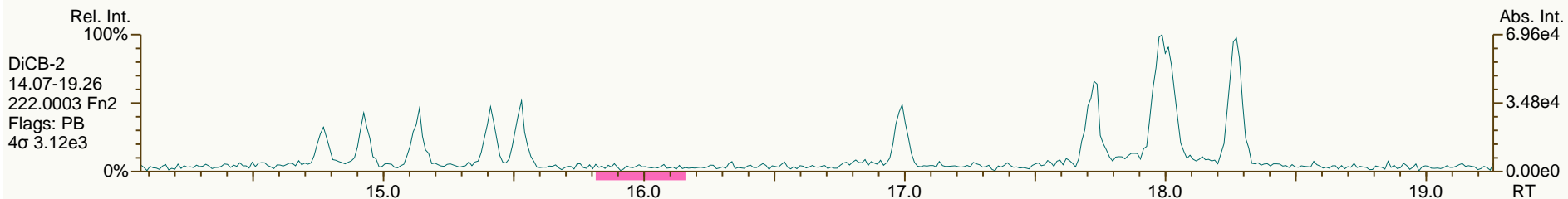
M 516.9697 R 12891

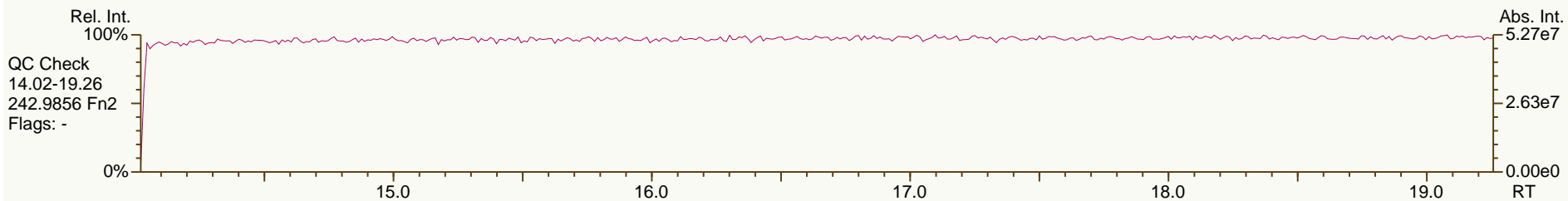
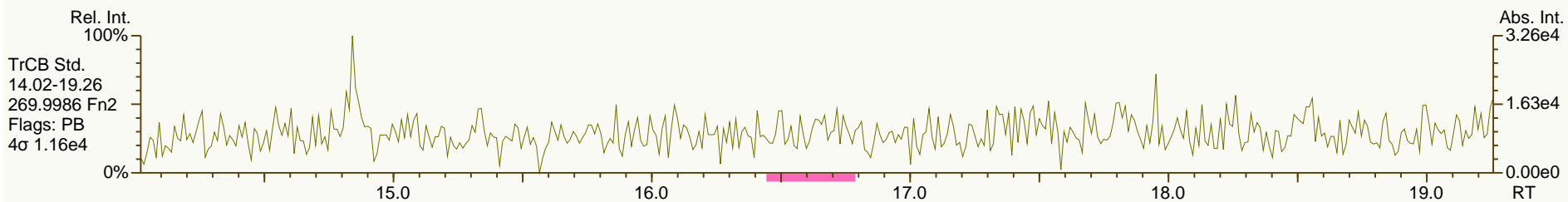
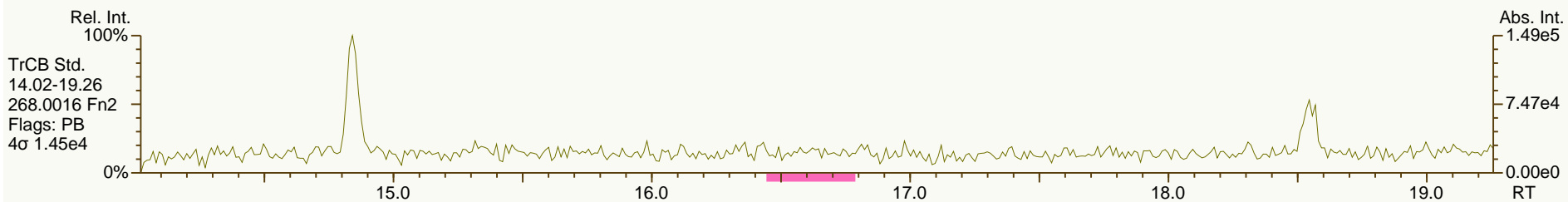
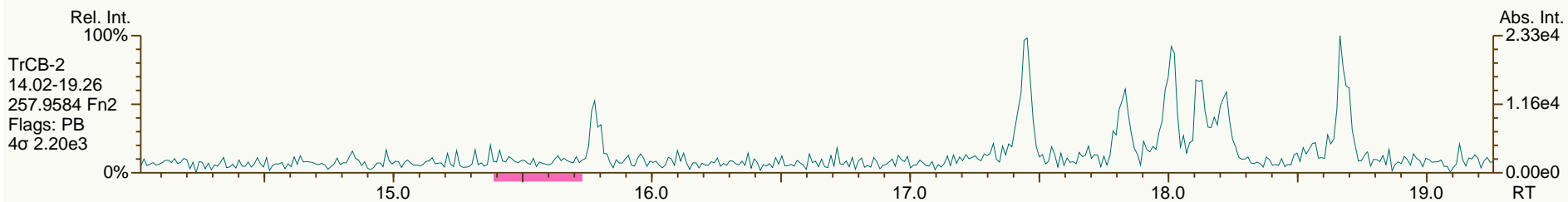
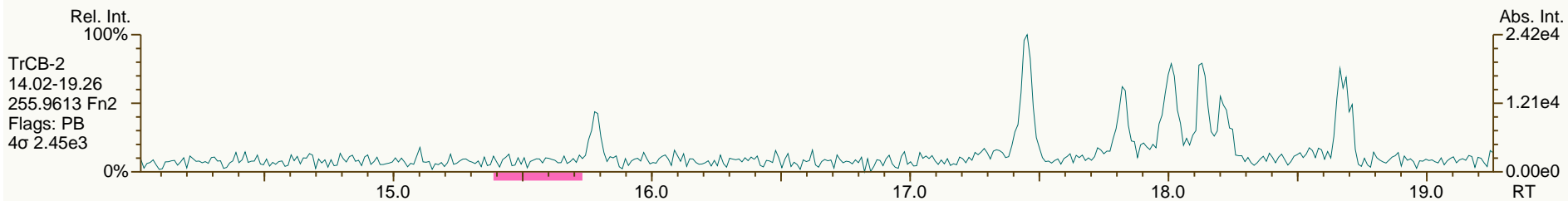


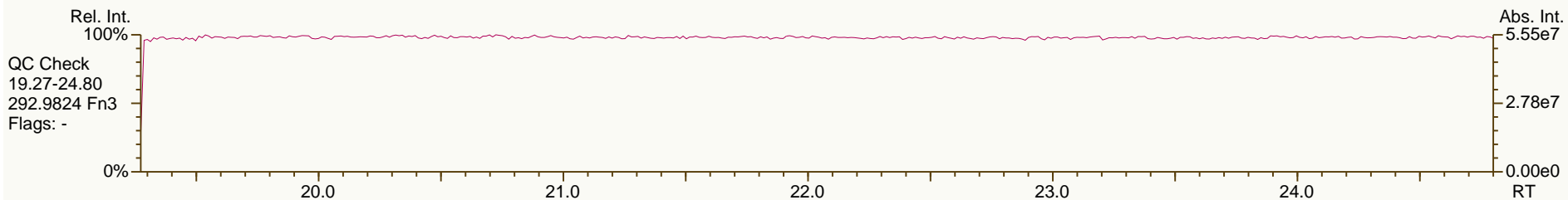
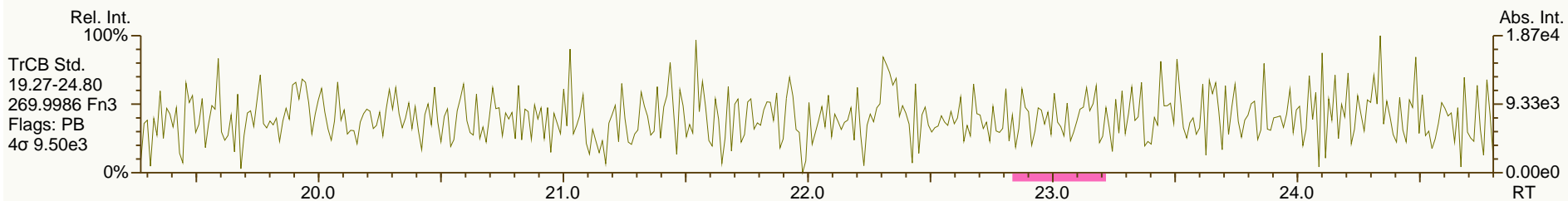
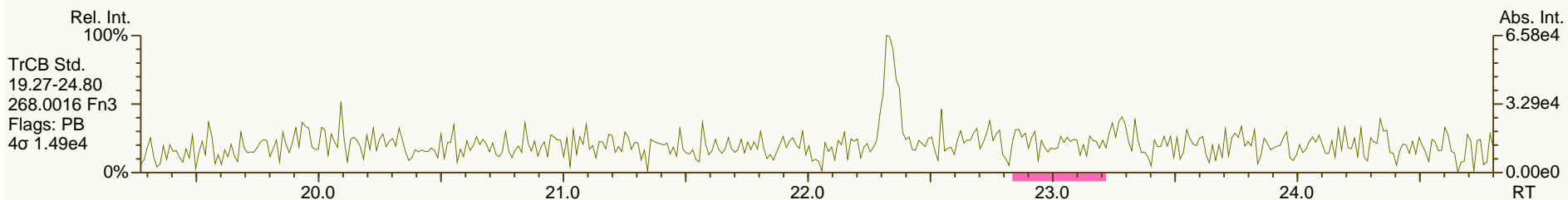
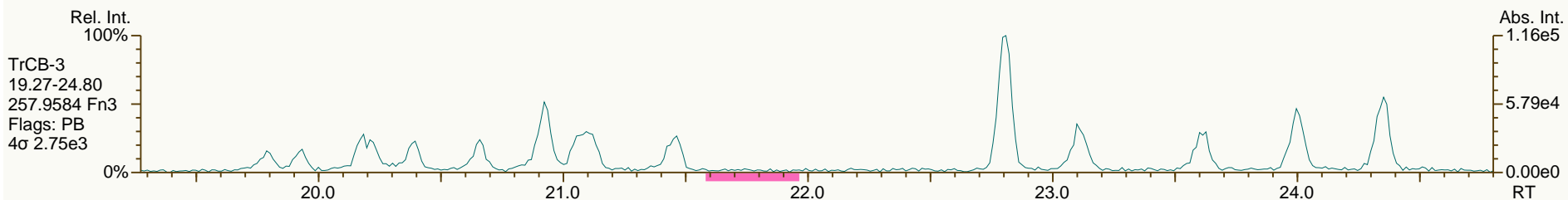
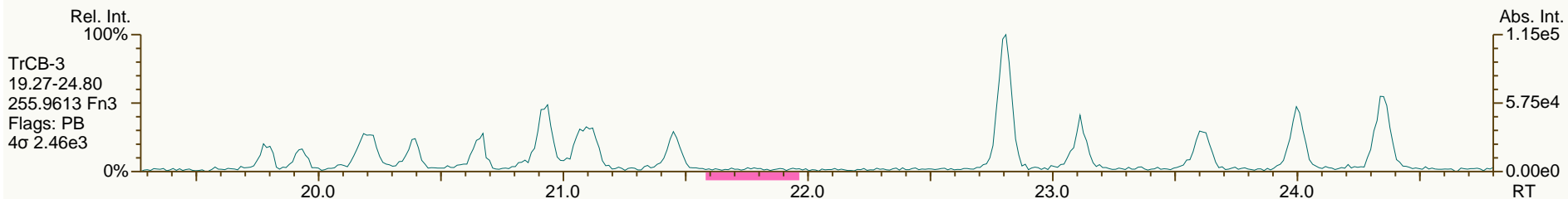


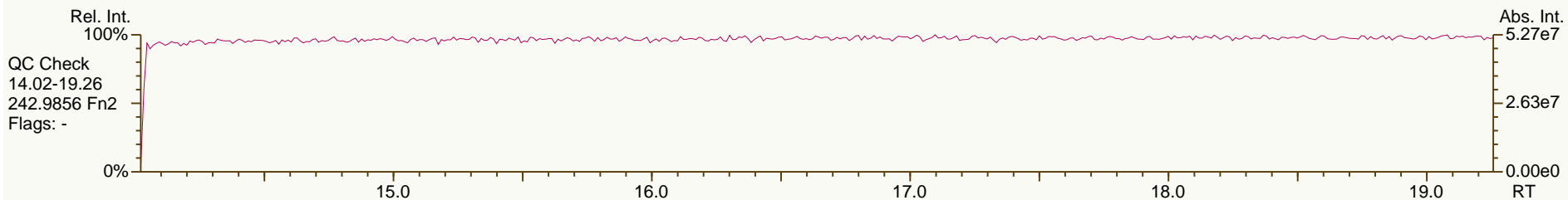
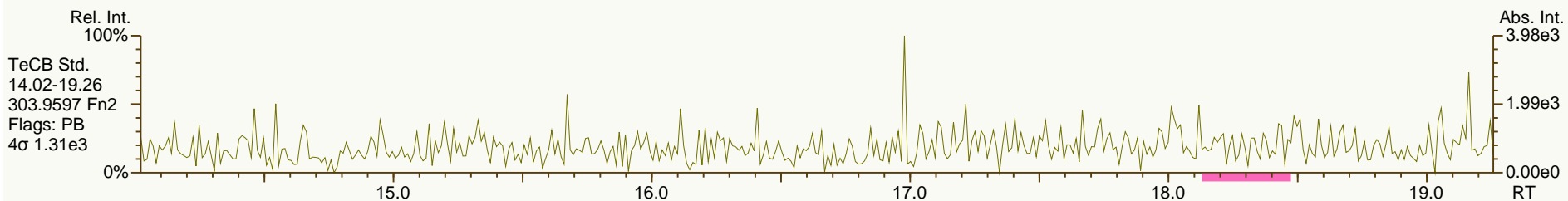
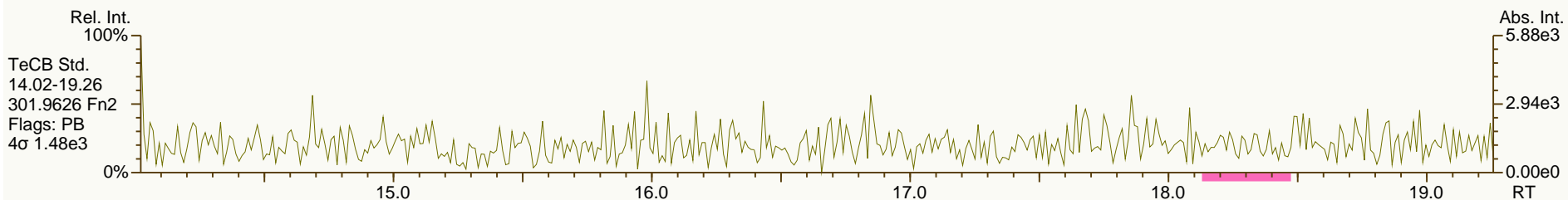
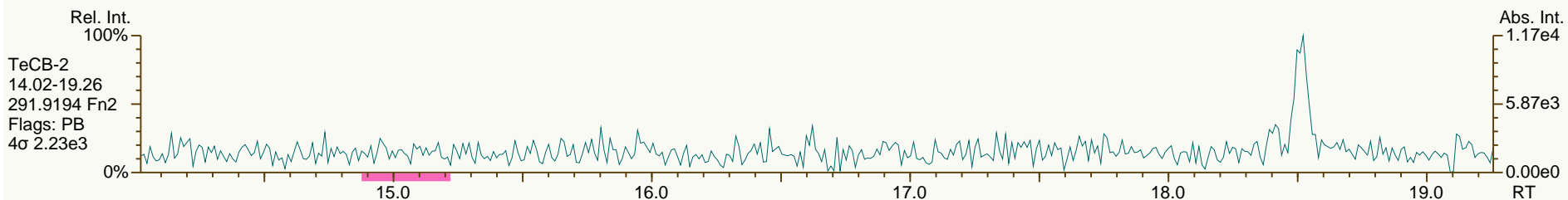
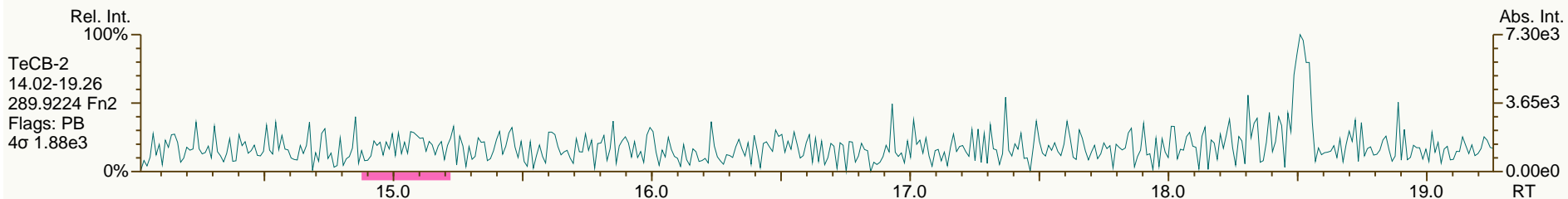


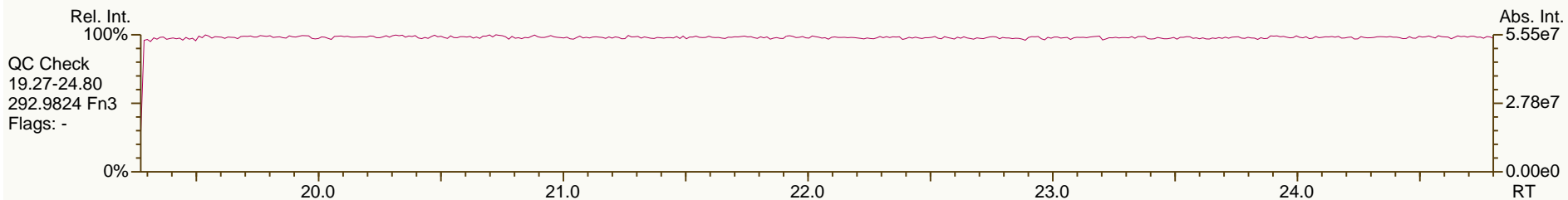
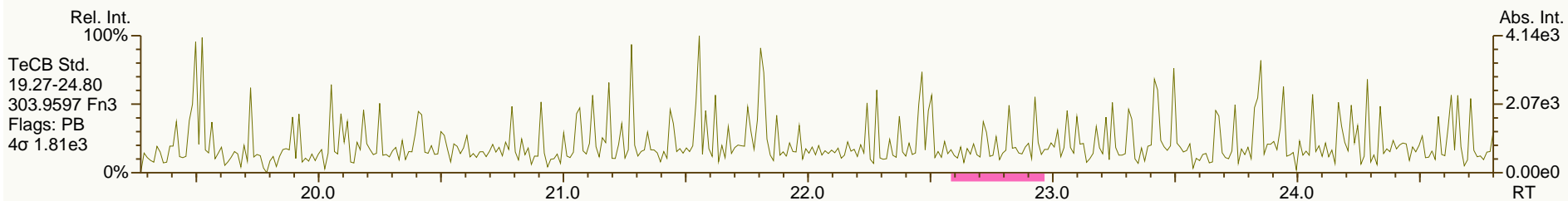
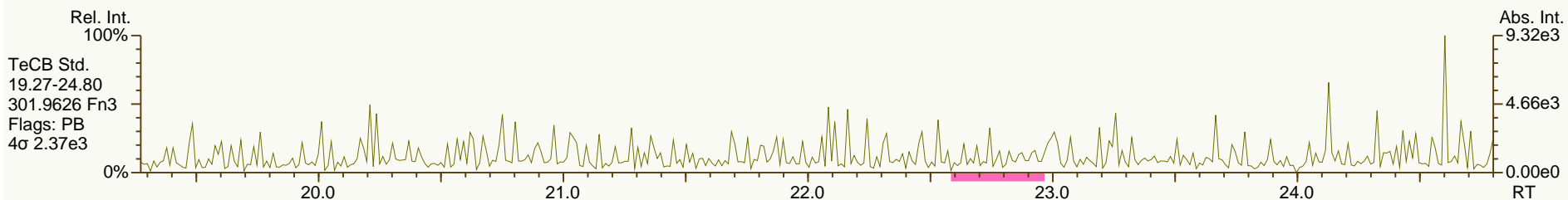
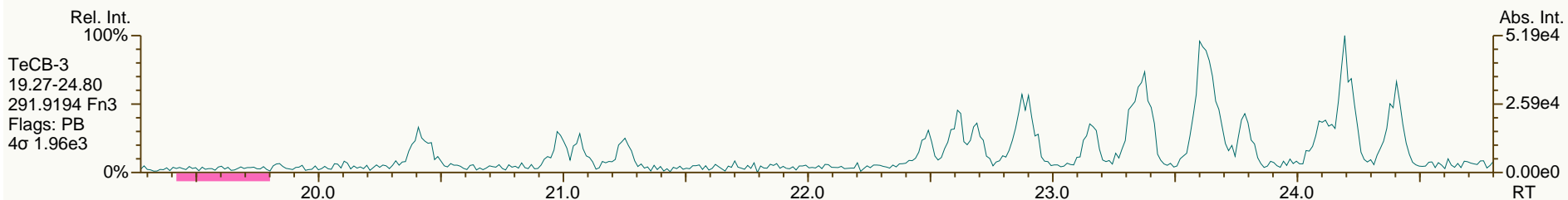
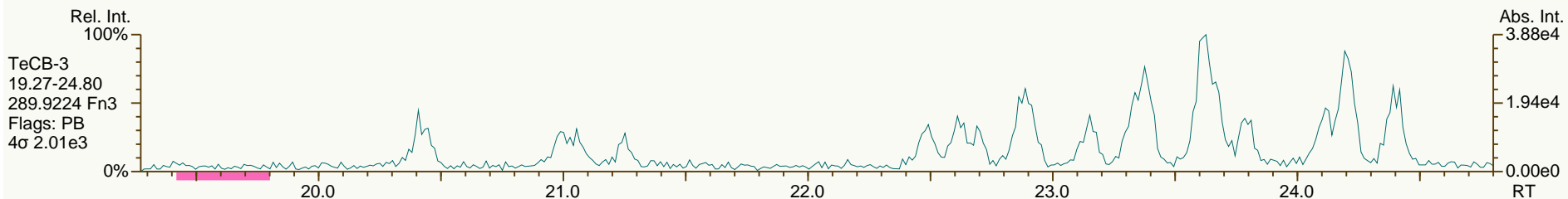


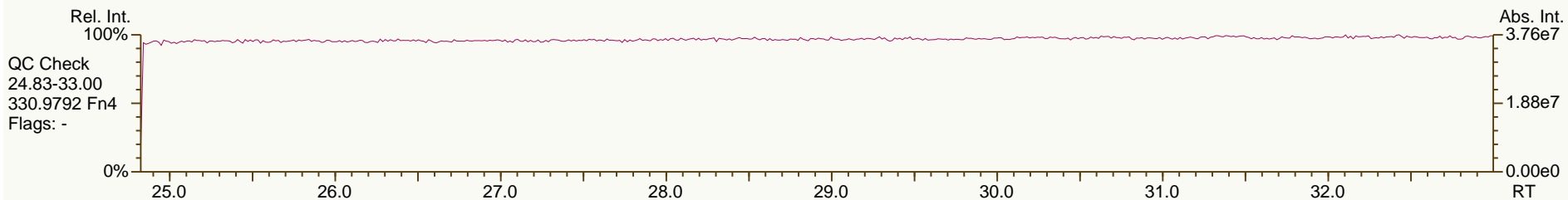
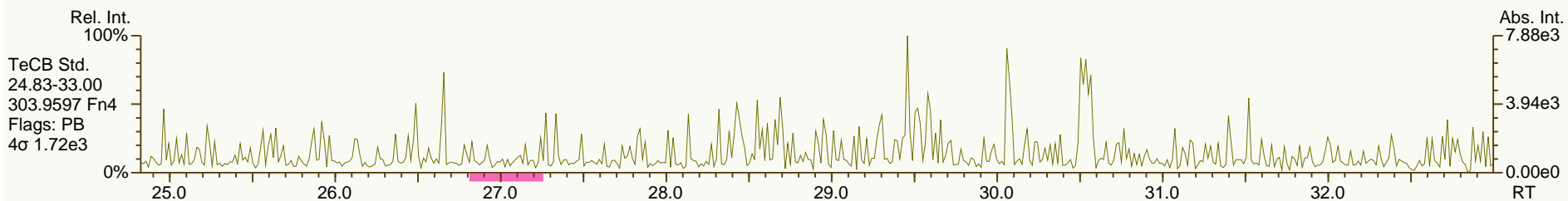
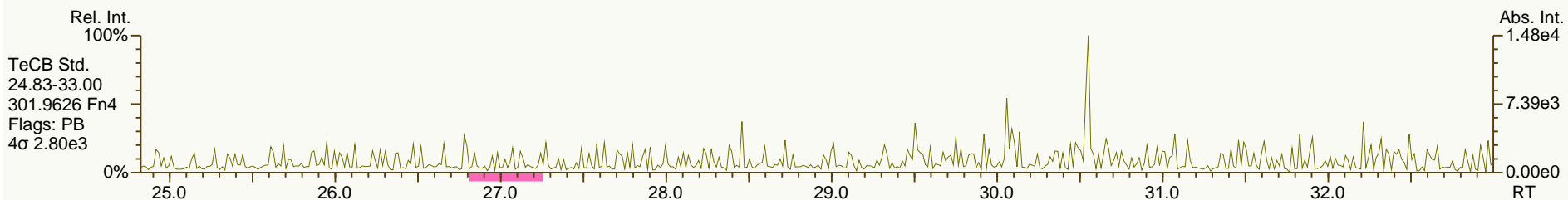
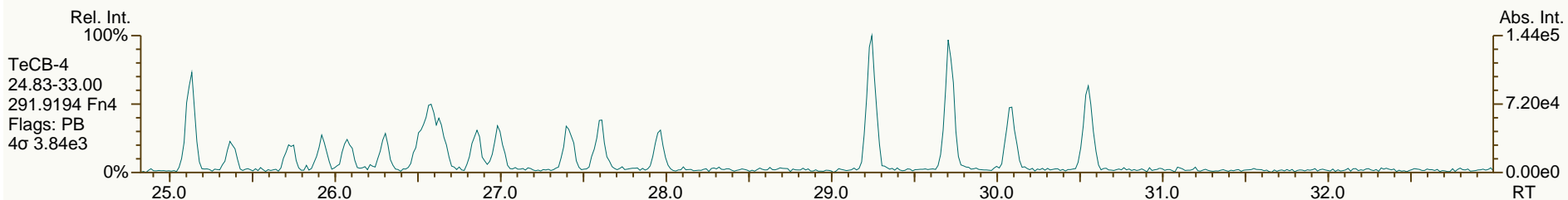
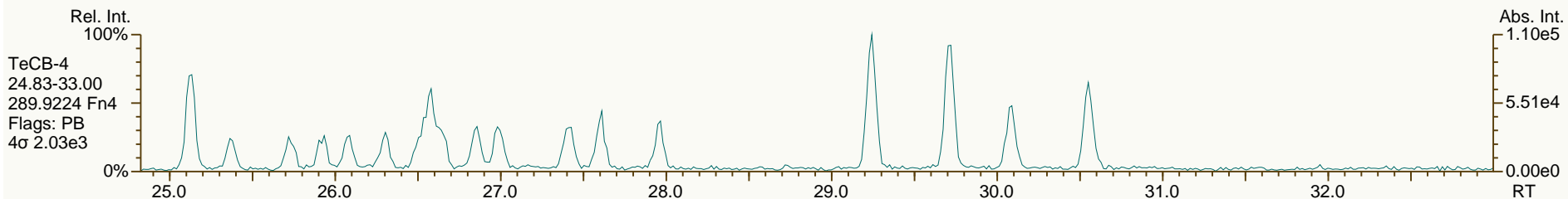


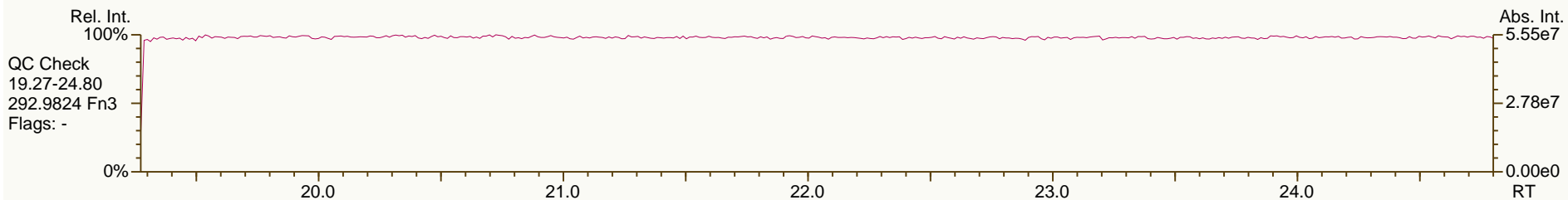
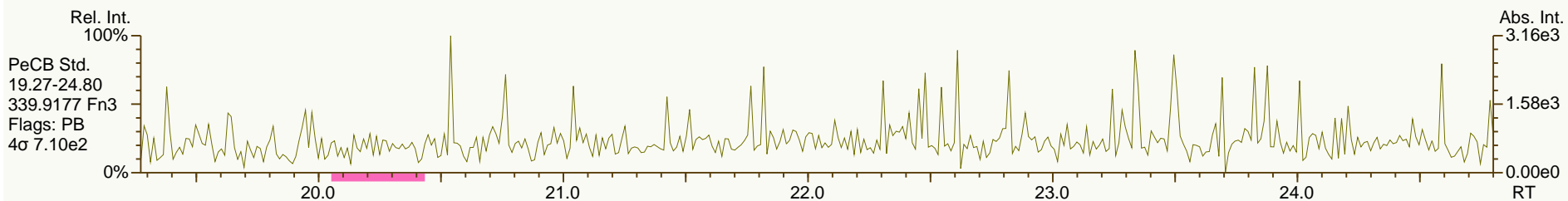
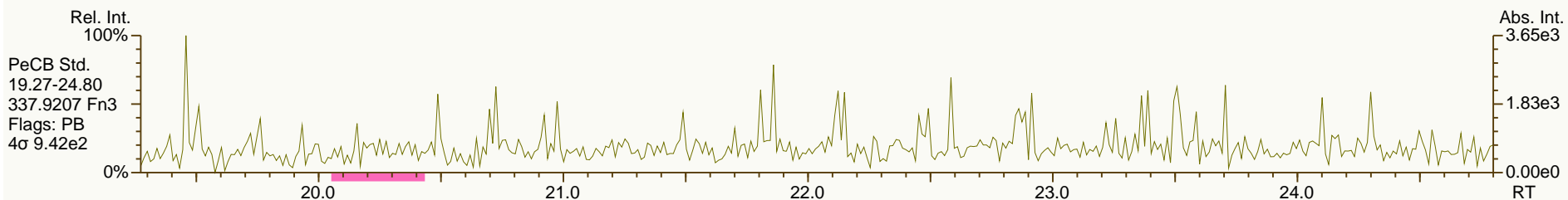
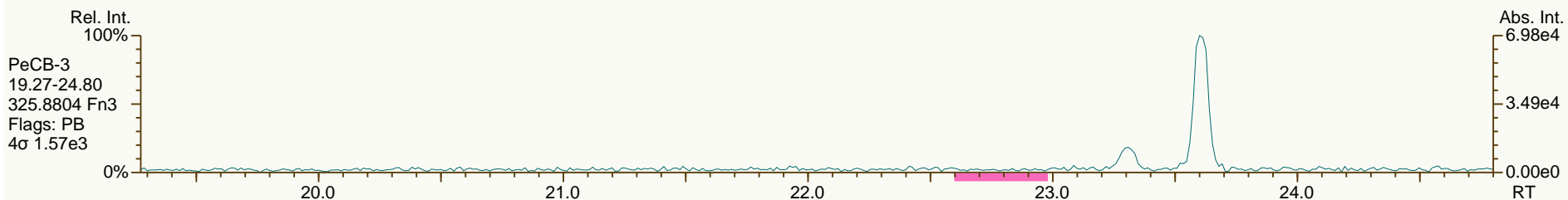
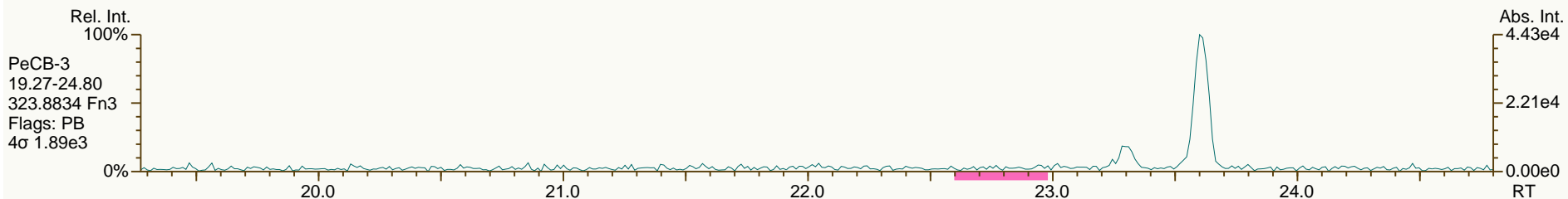


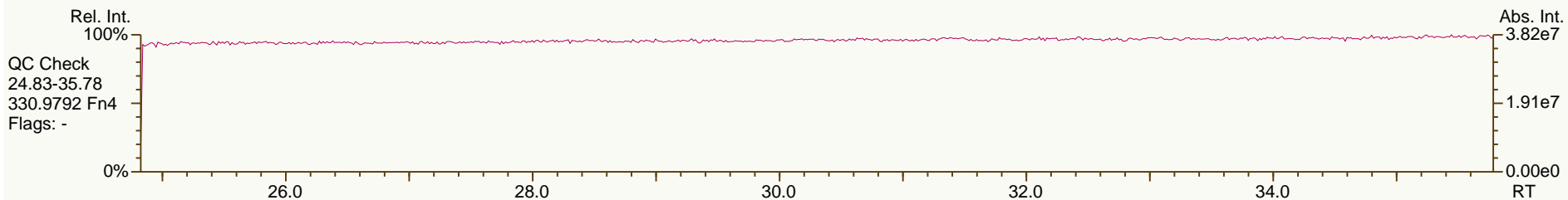
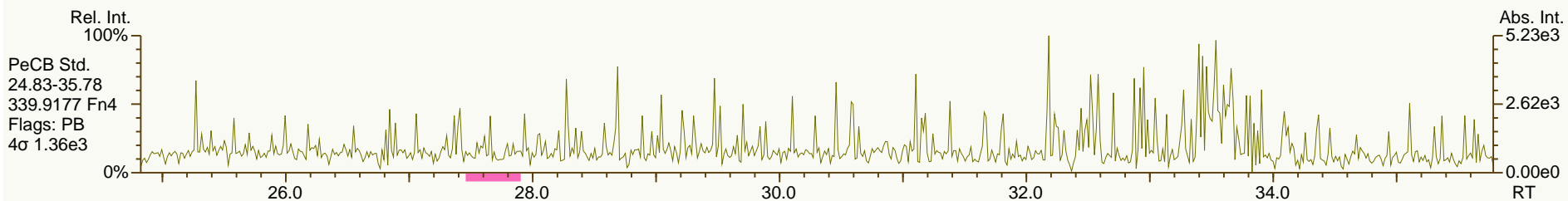
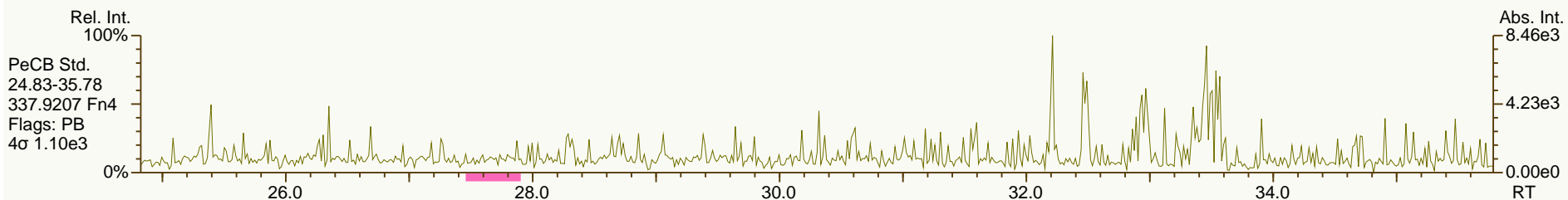
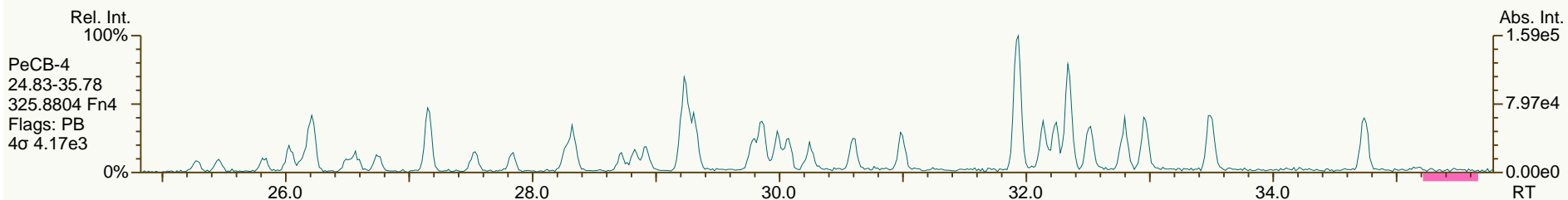
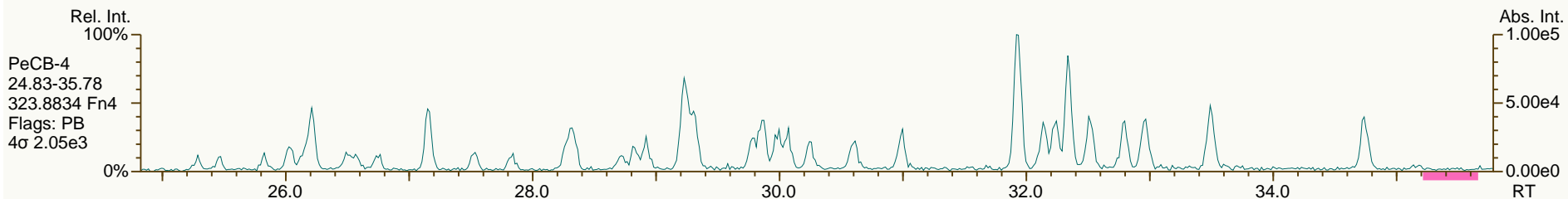


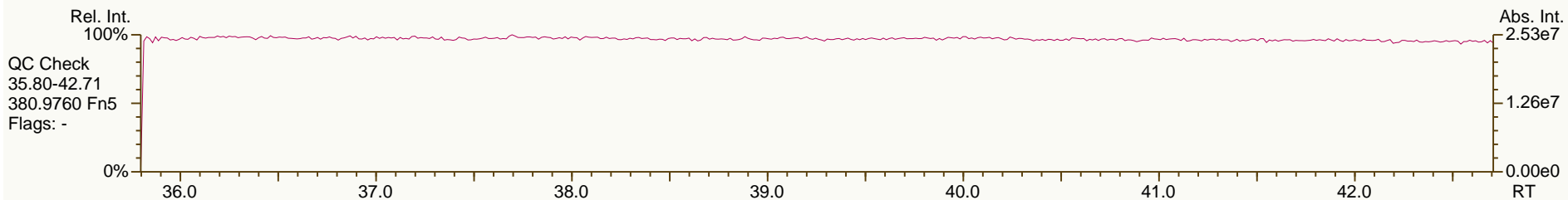
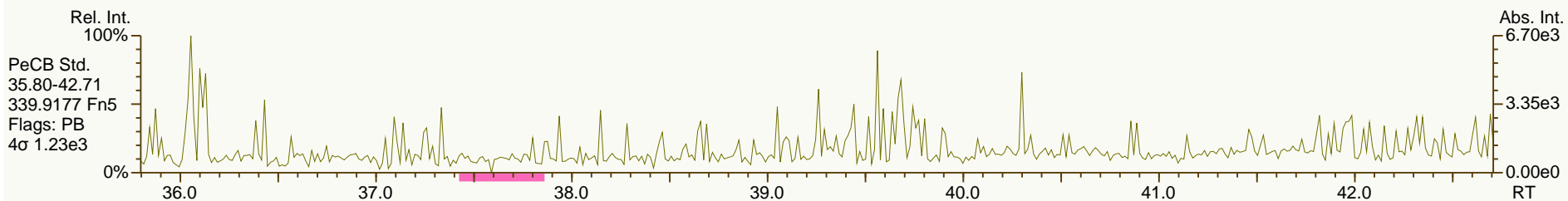
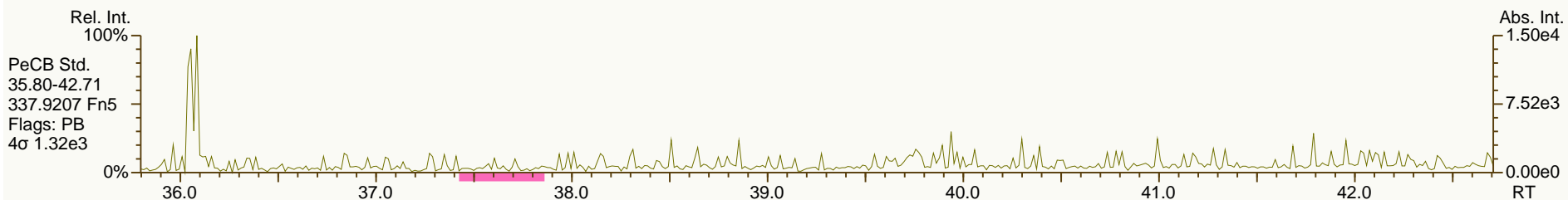
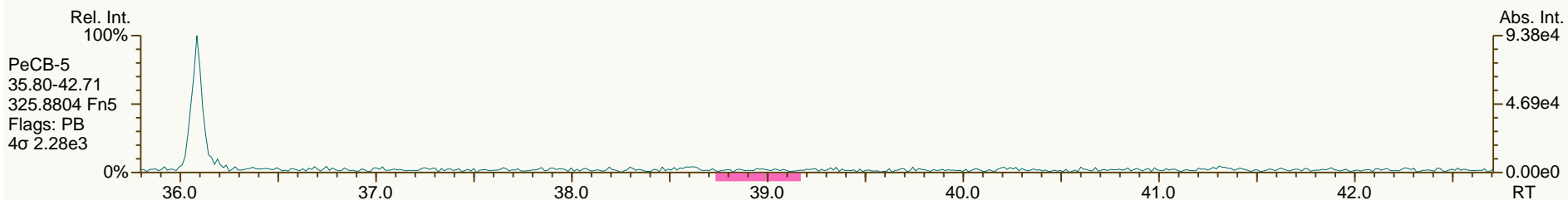
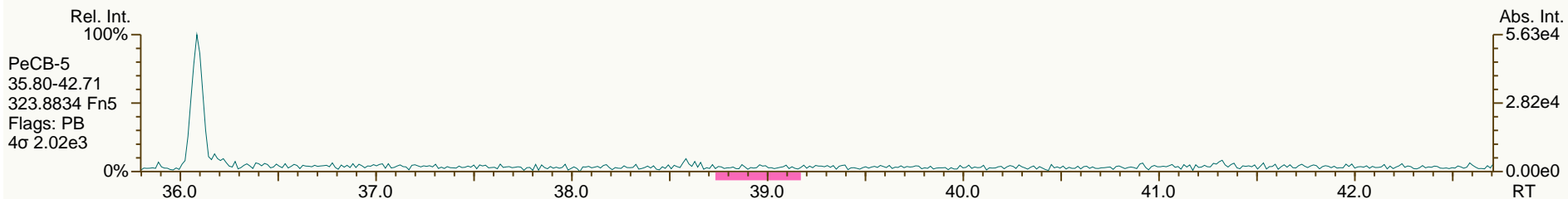


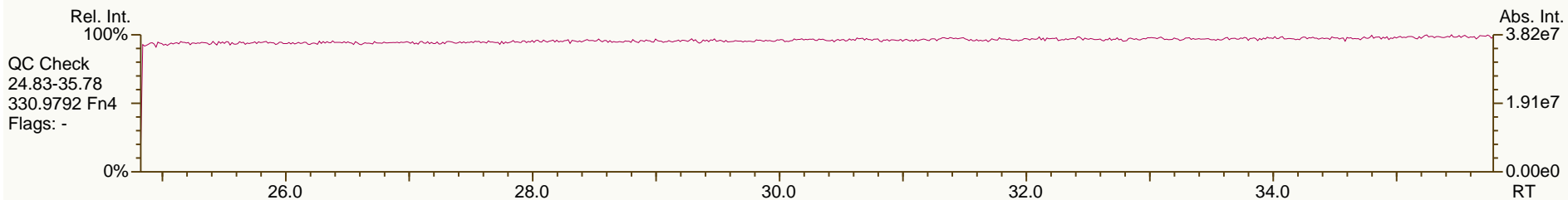
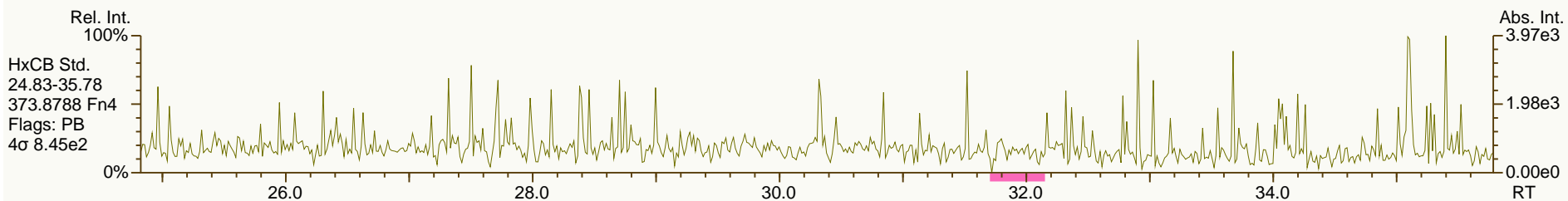
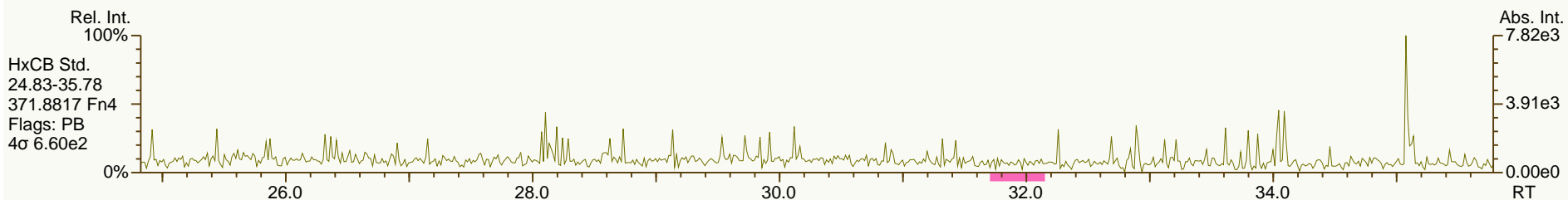
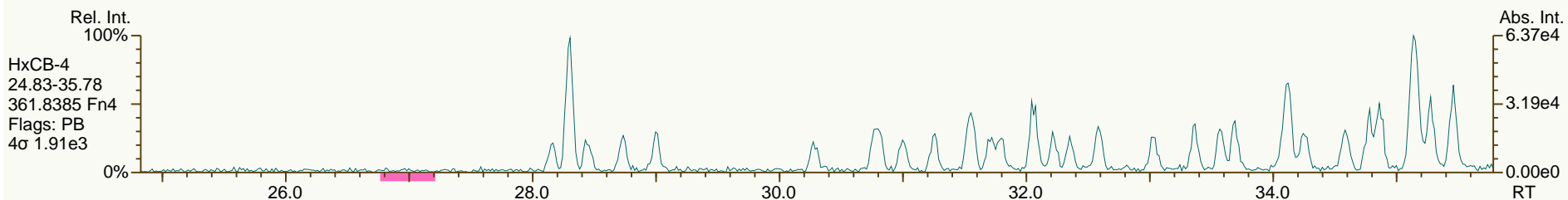
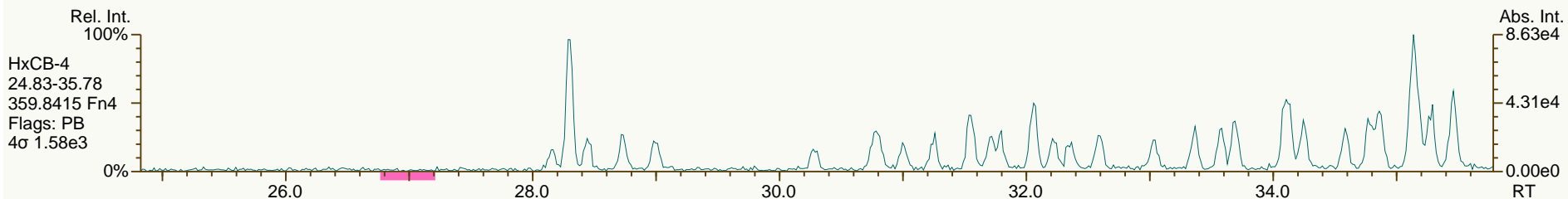


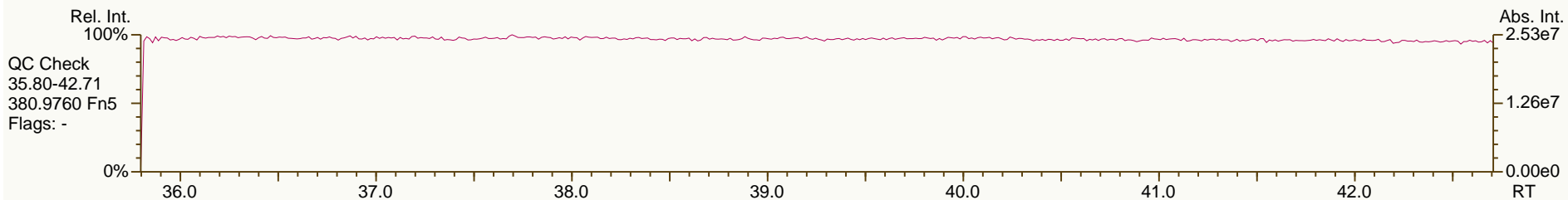
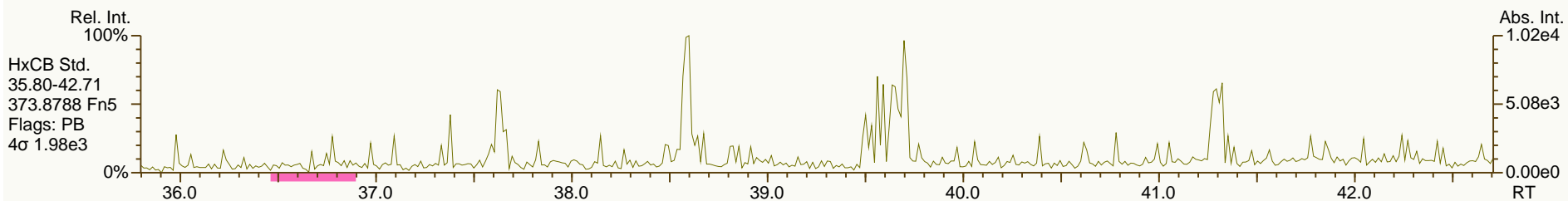
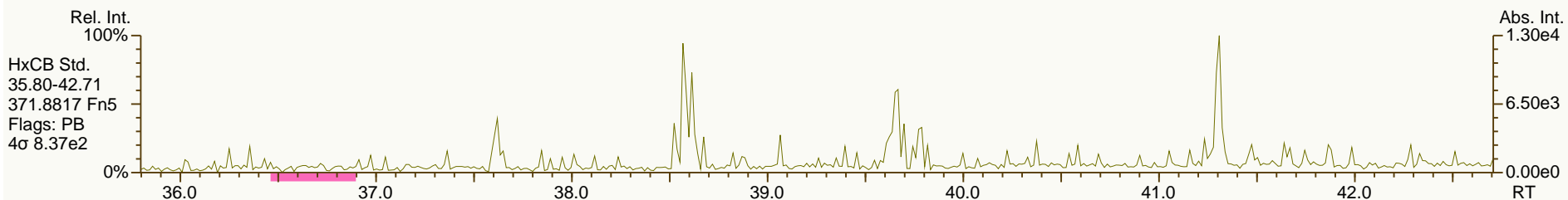
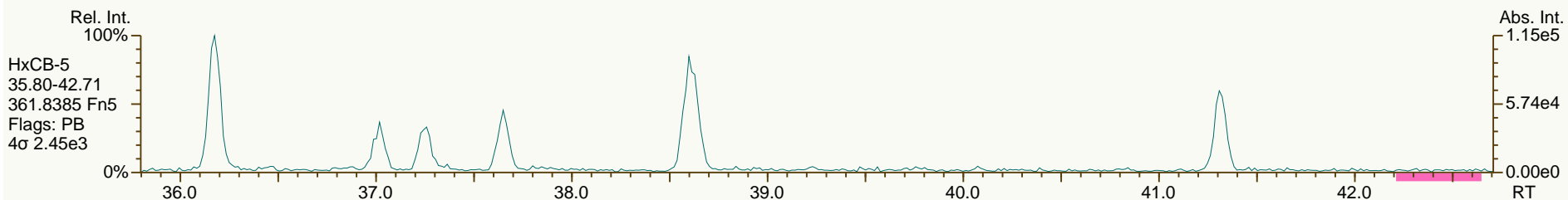
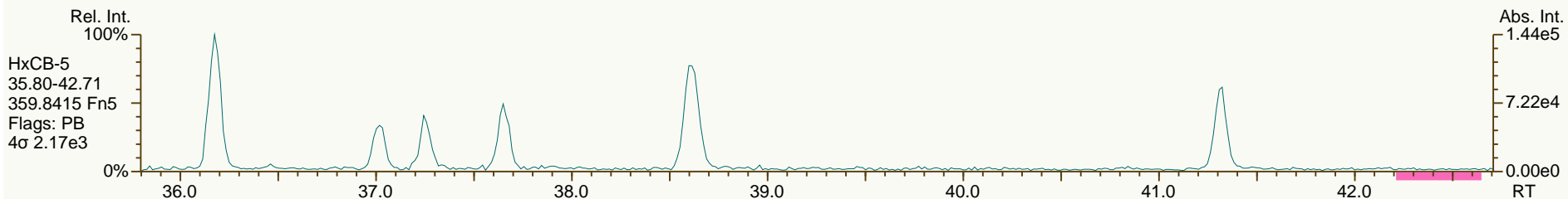


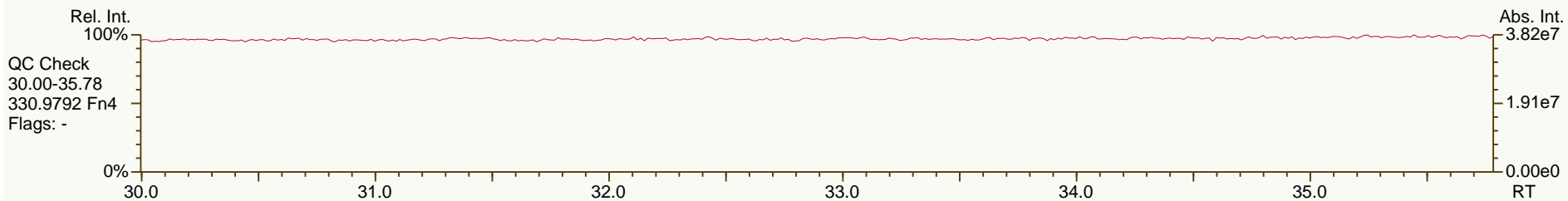
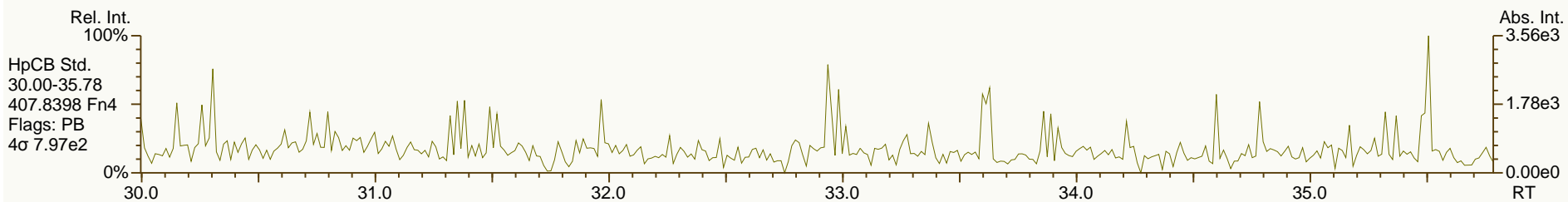
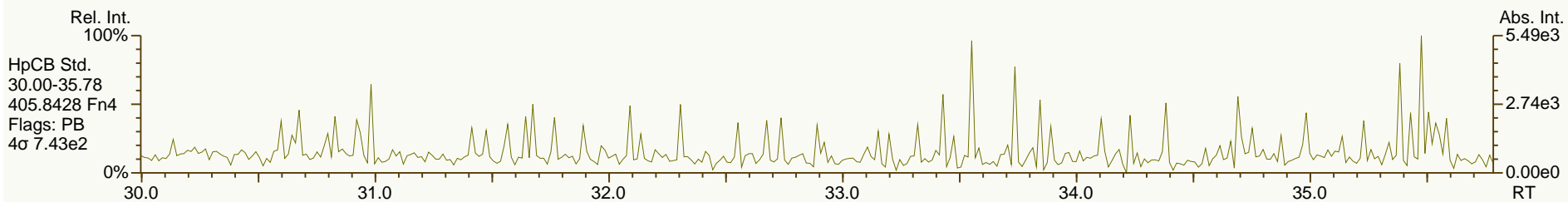
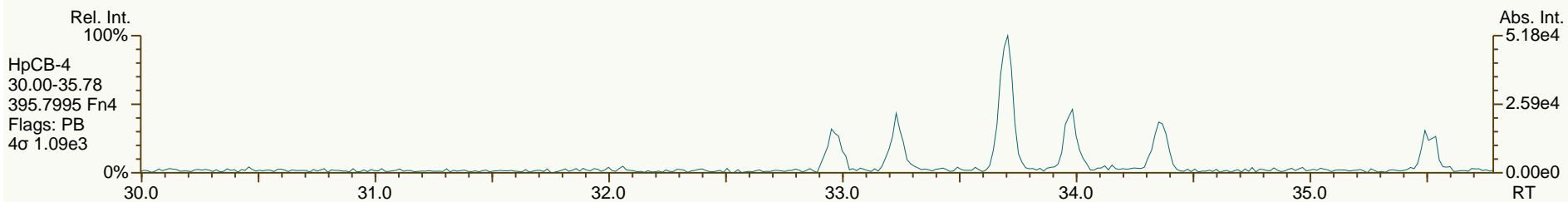
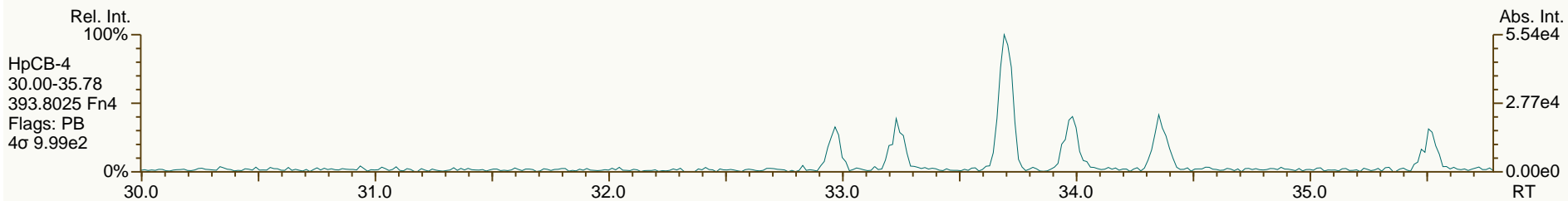


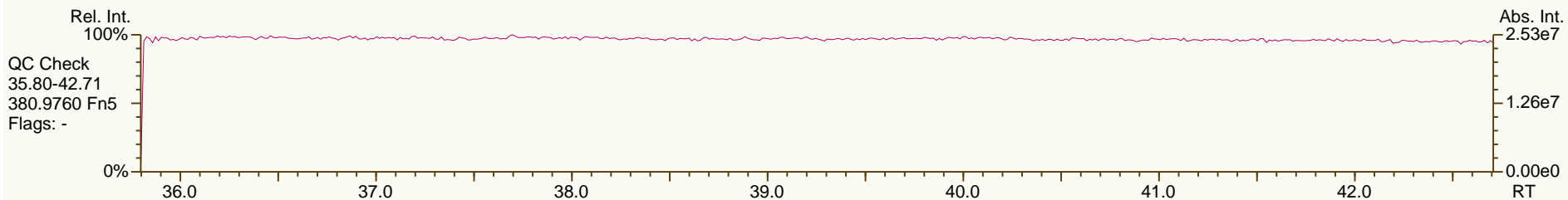
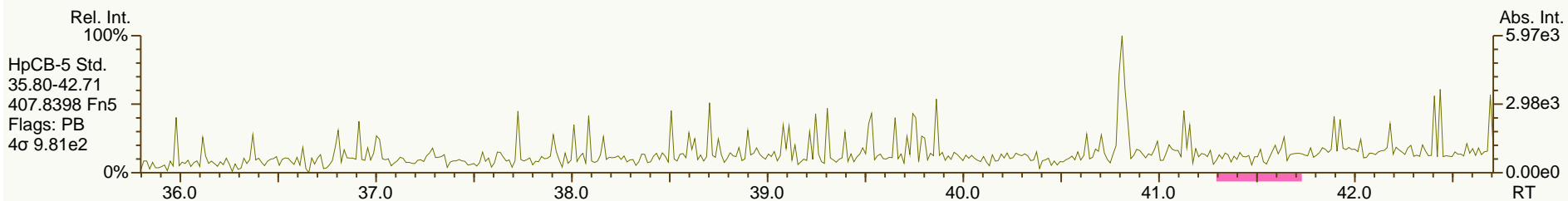
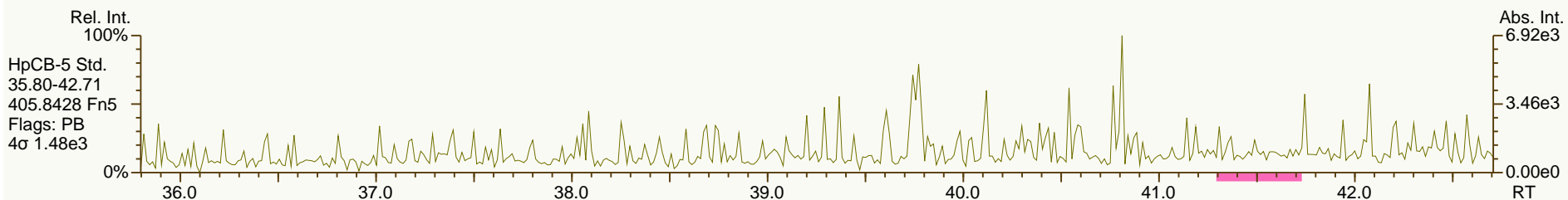
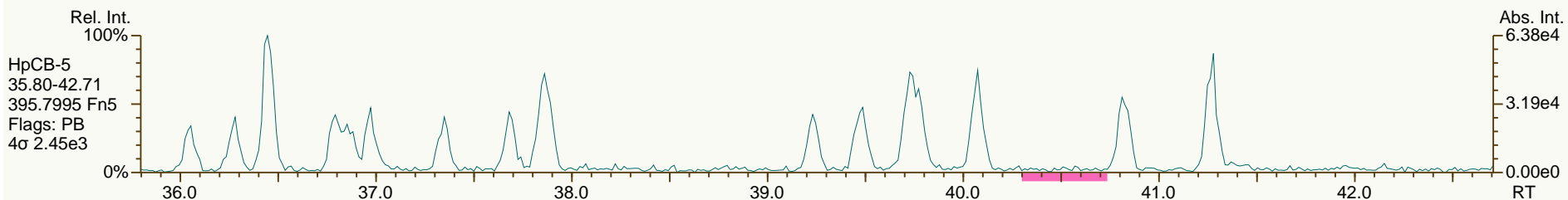
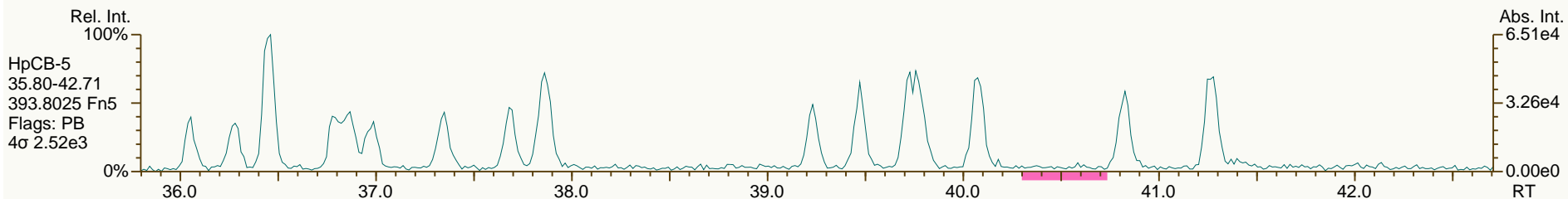


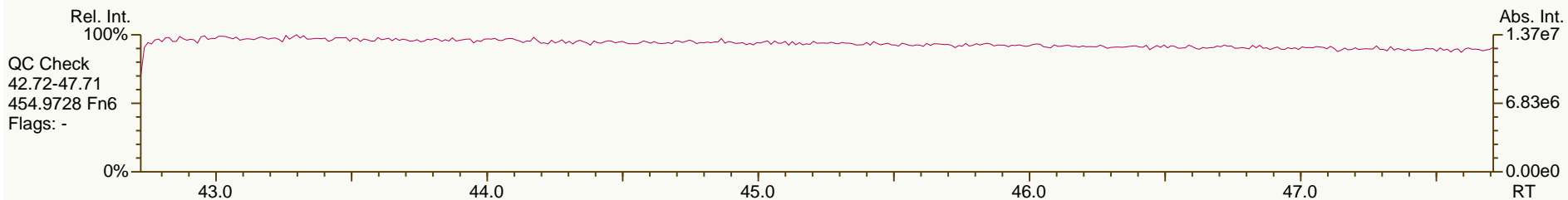
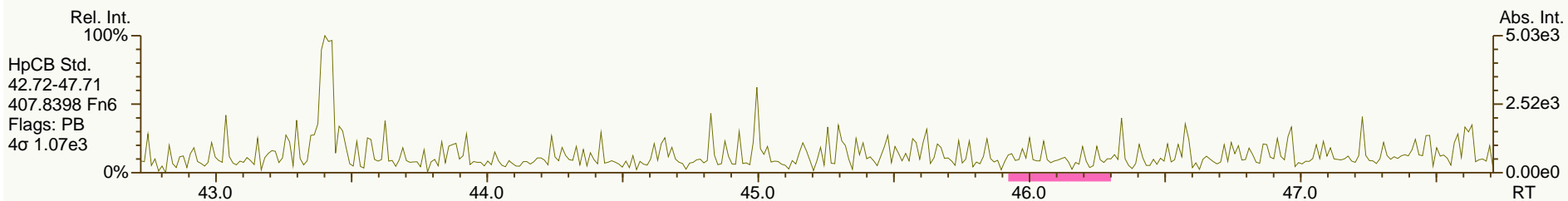
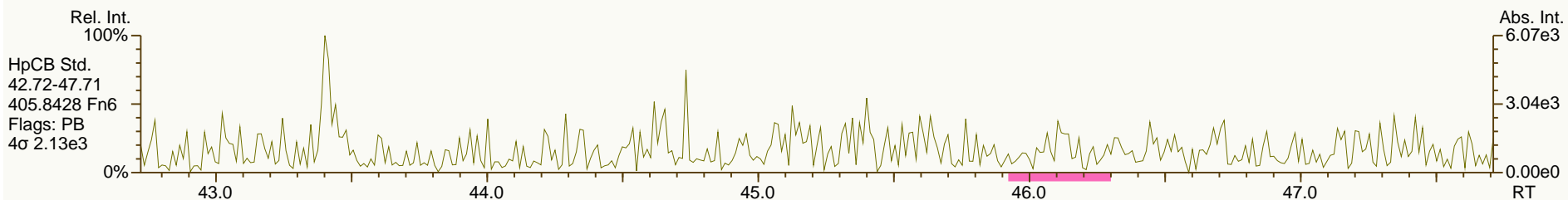
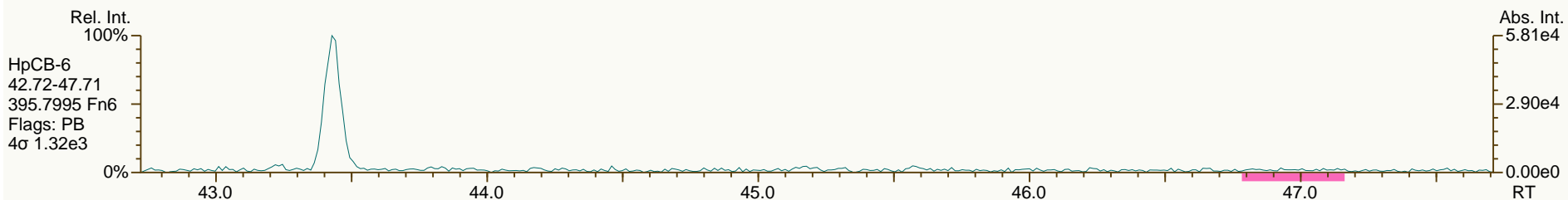
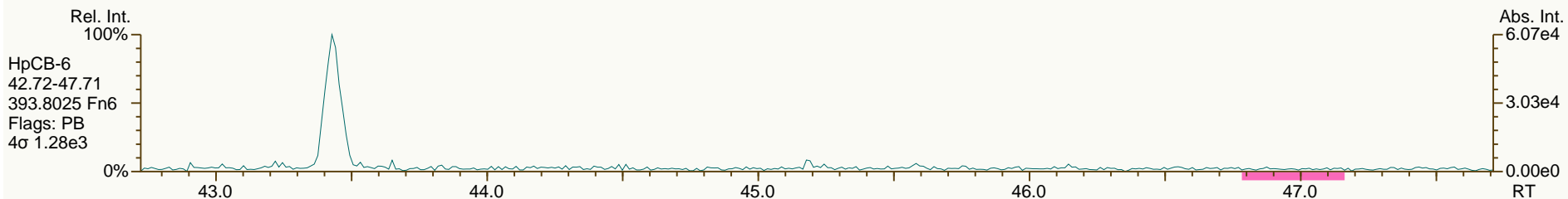


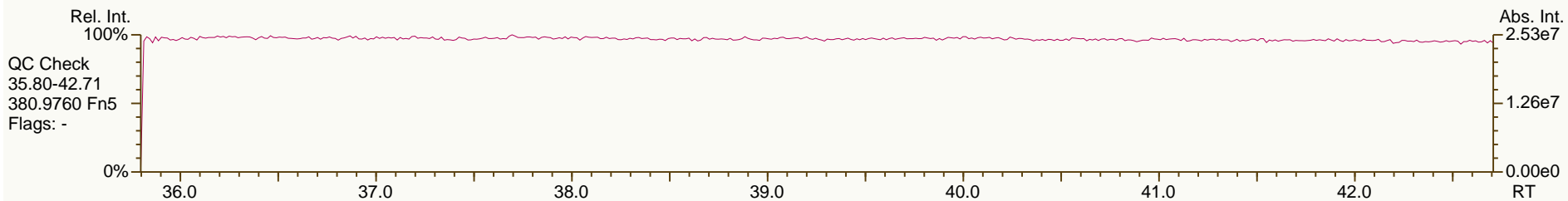
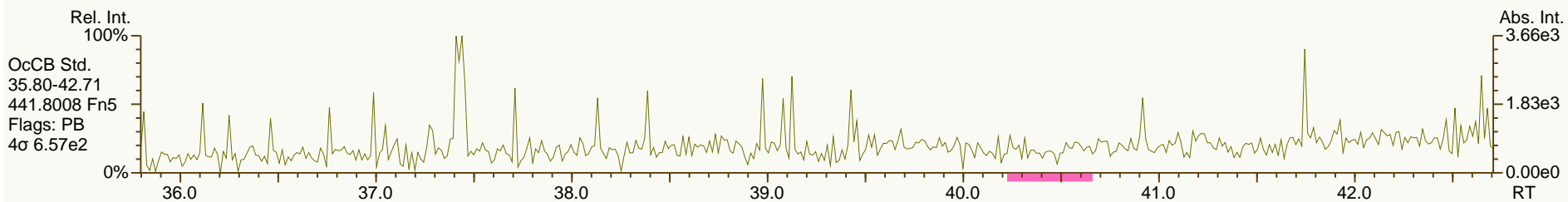
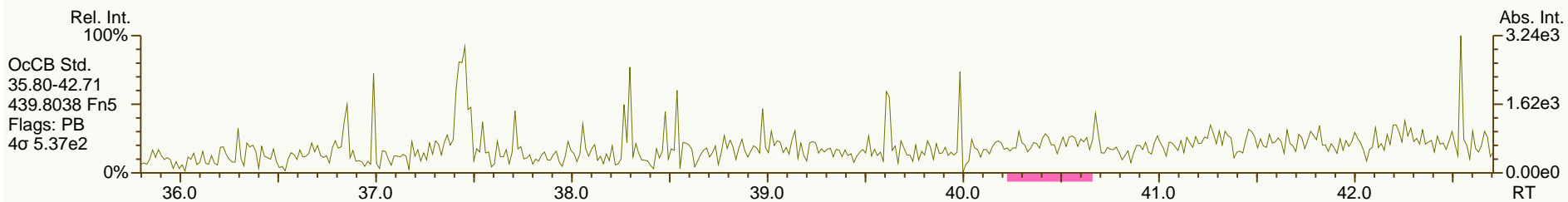
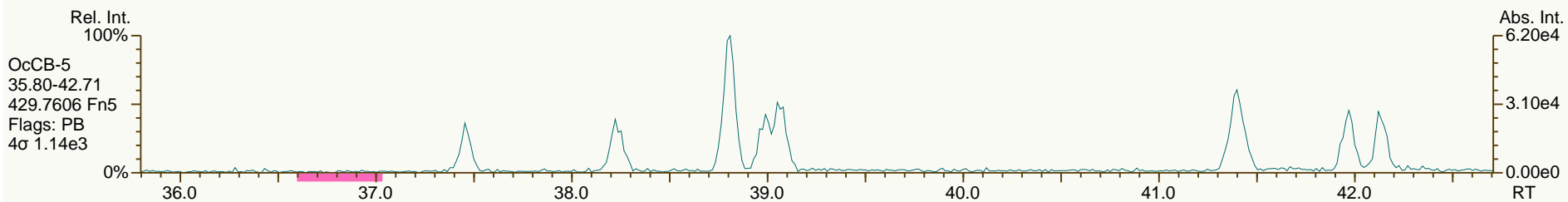
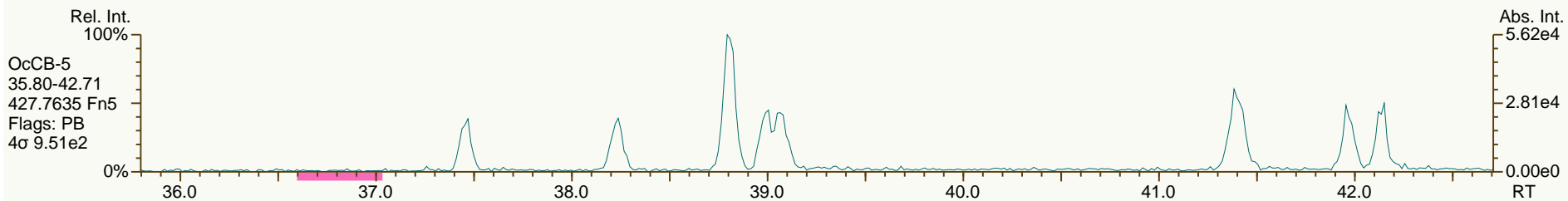


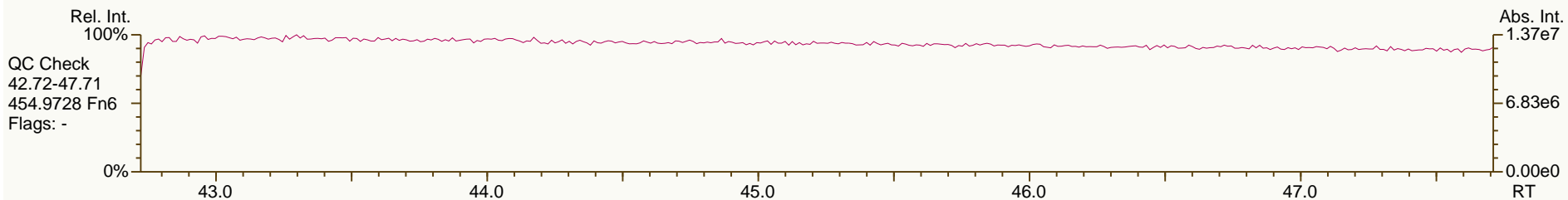
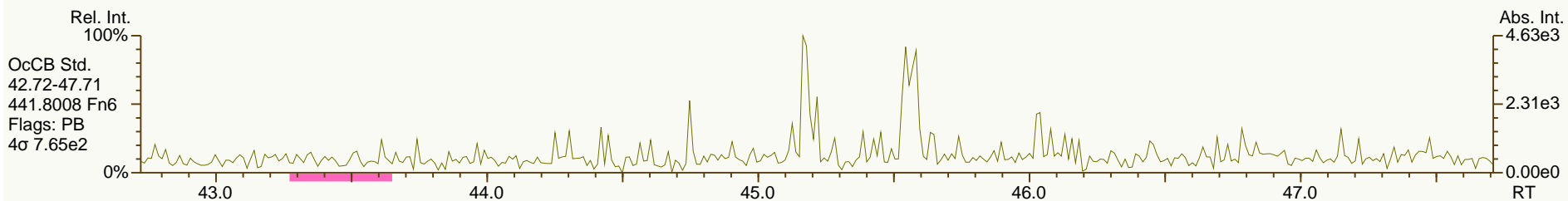
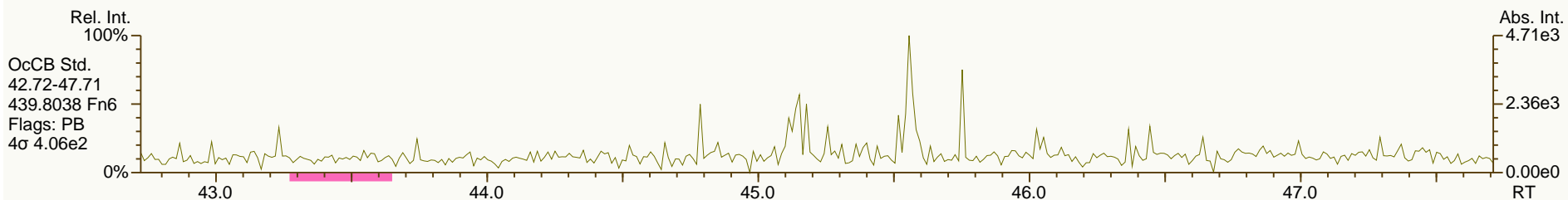
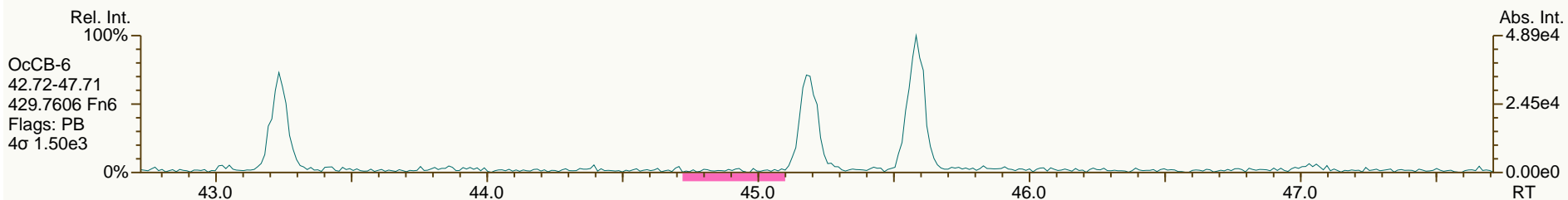
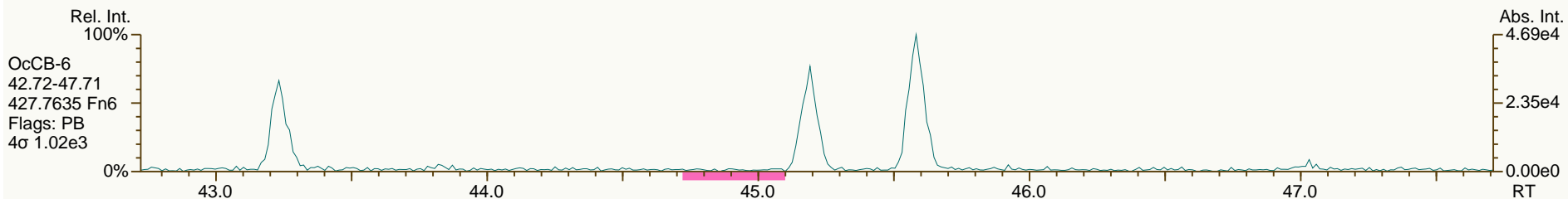


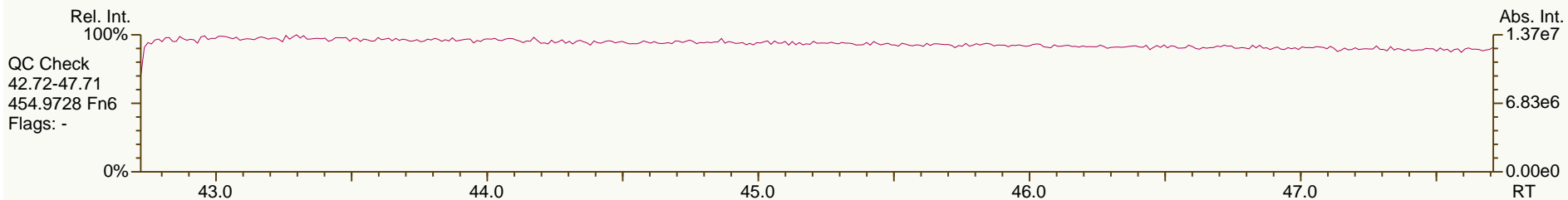
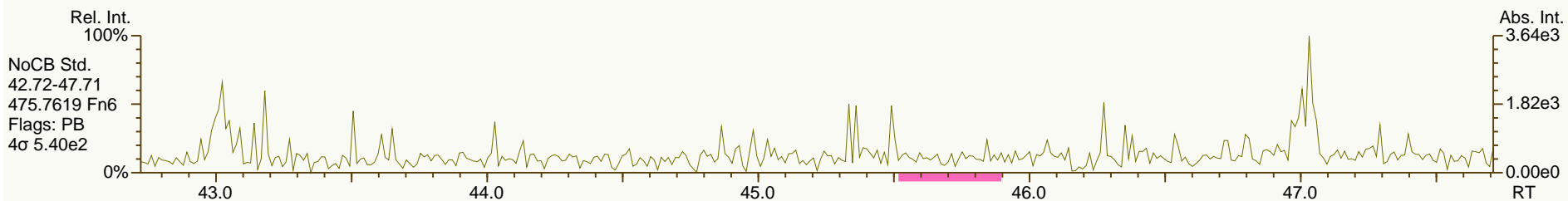
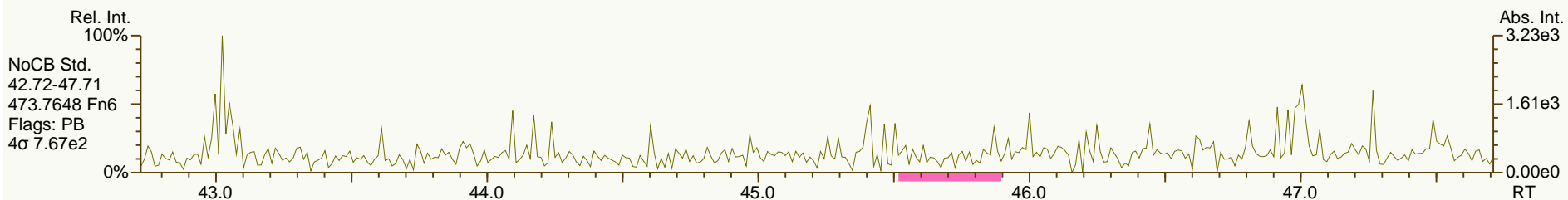
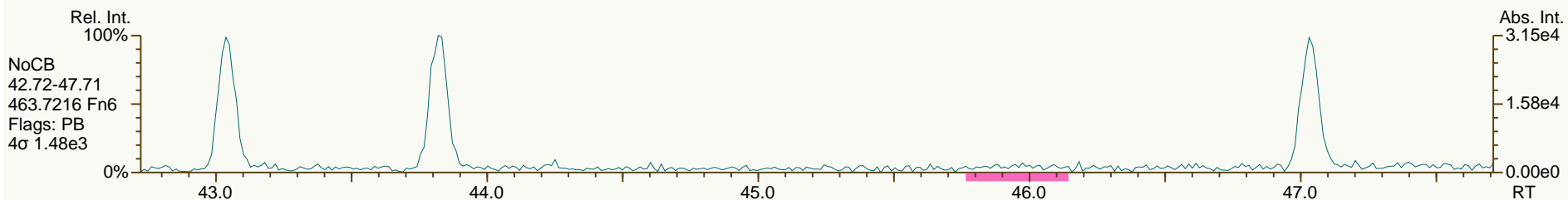
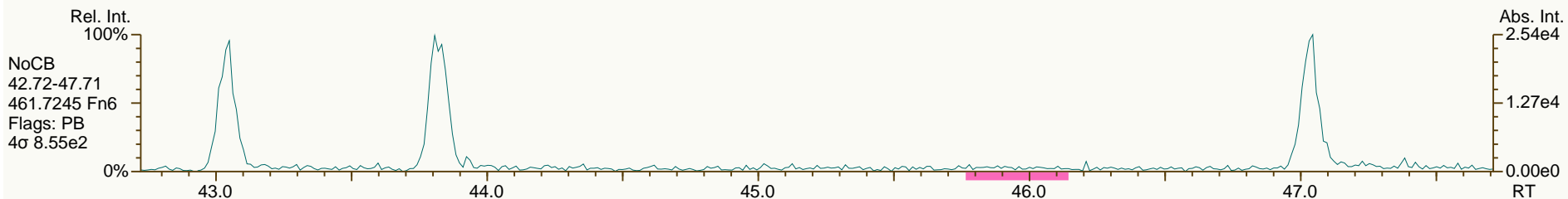


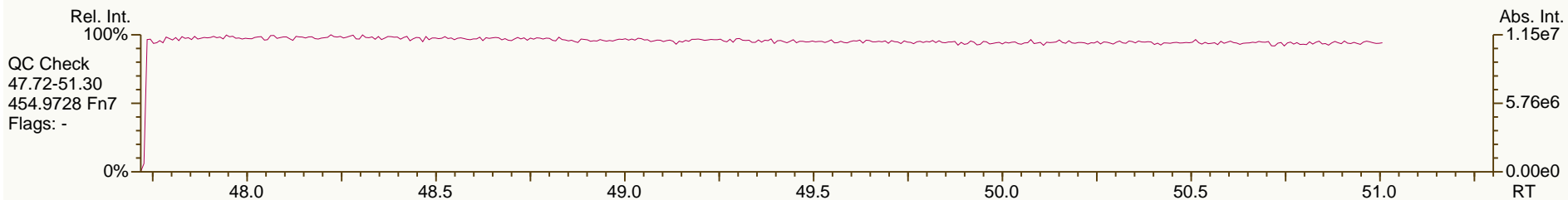
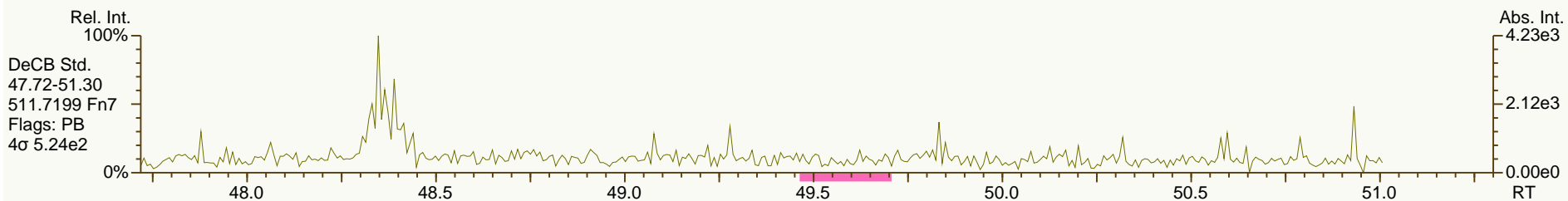
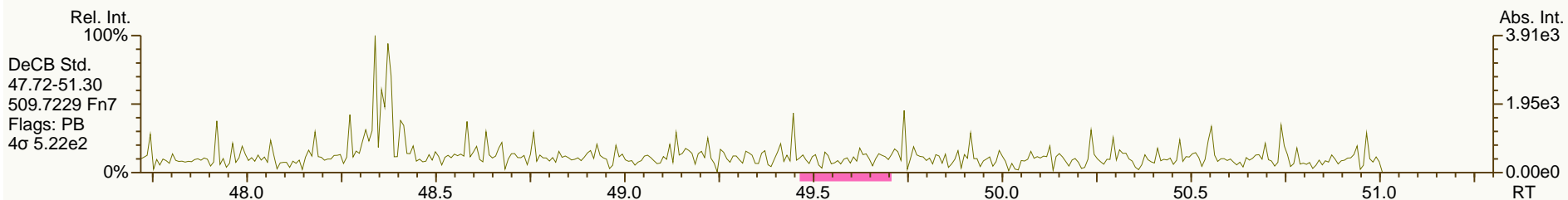
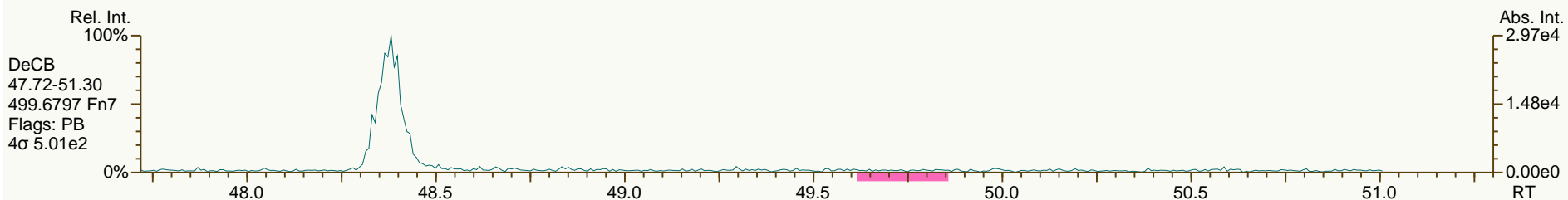
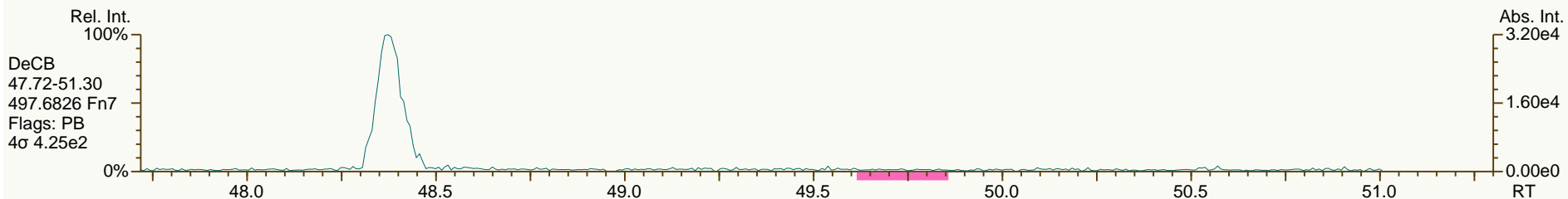


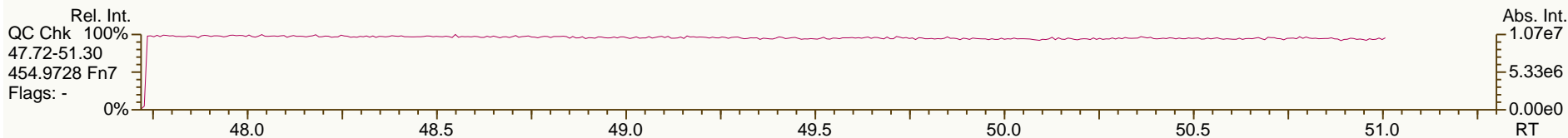
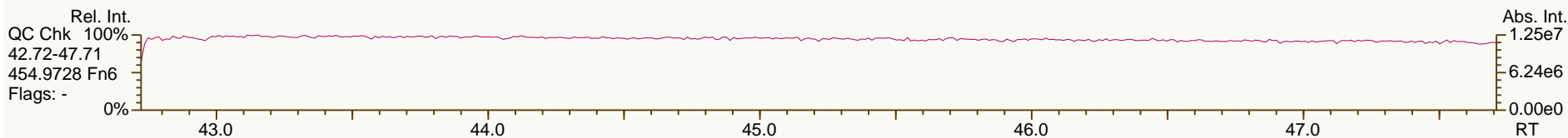
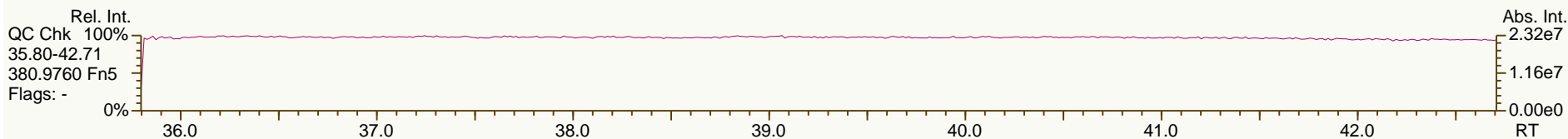
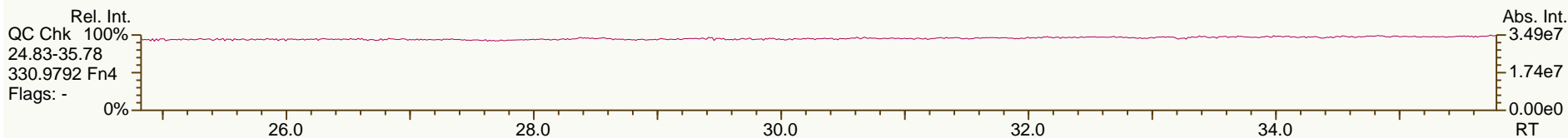
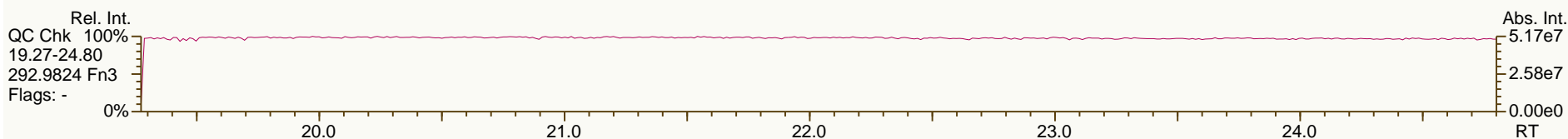
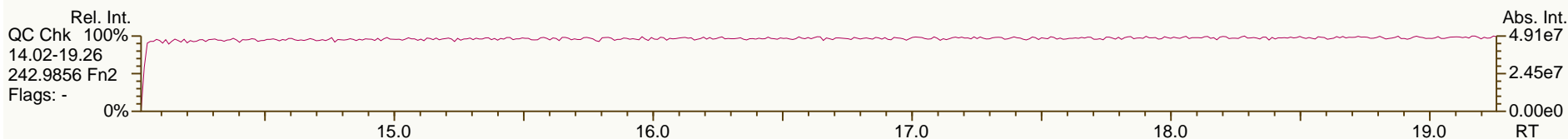
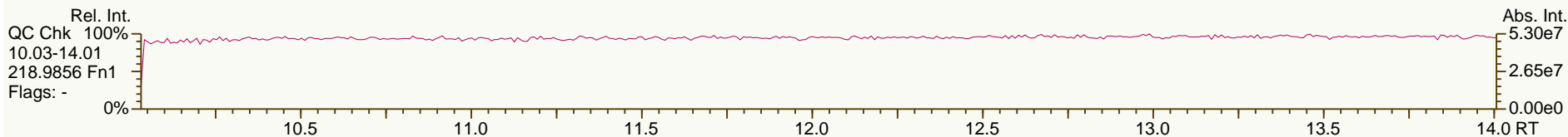


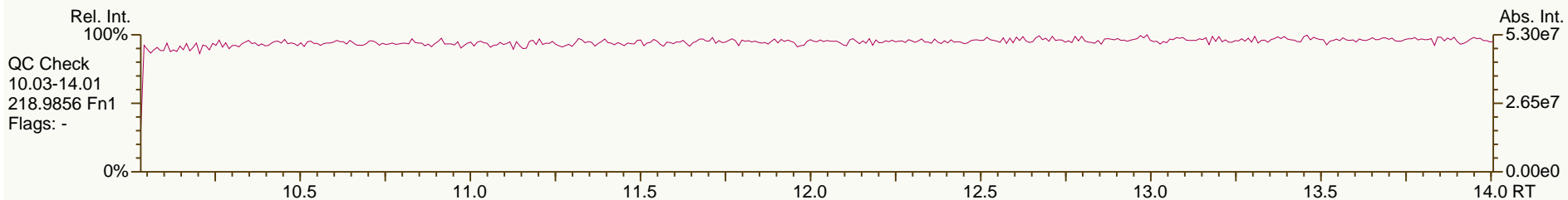
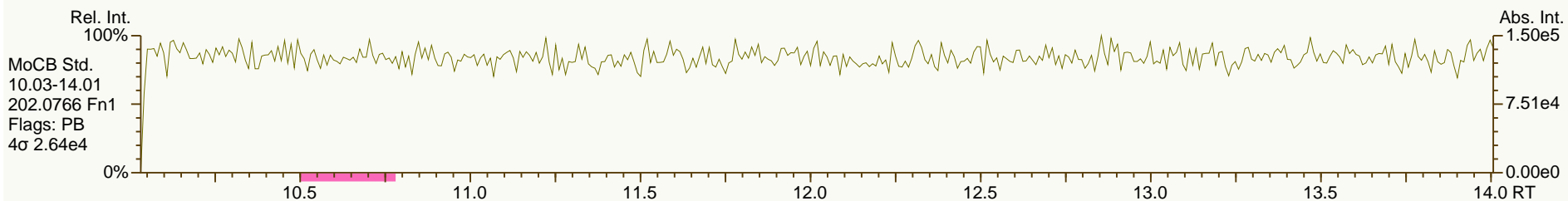
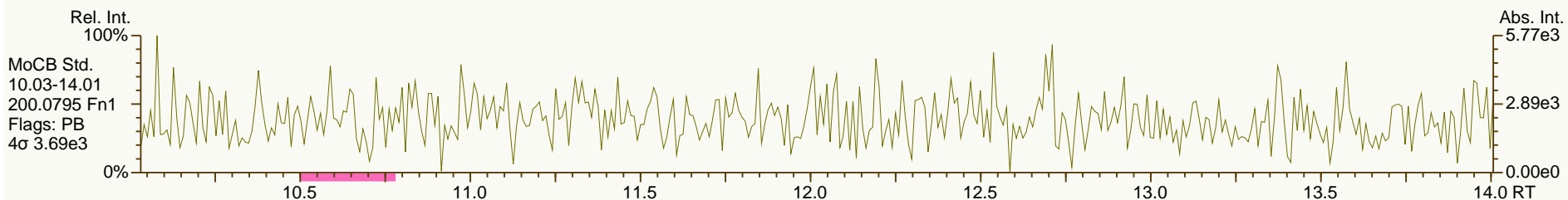
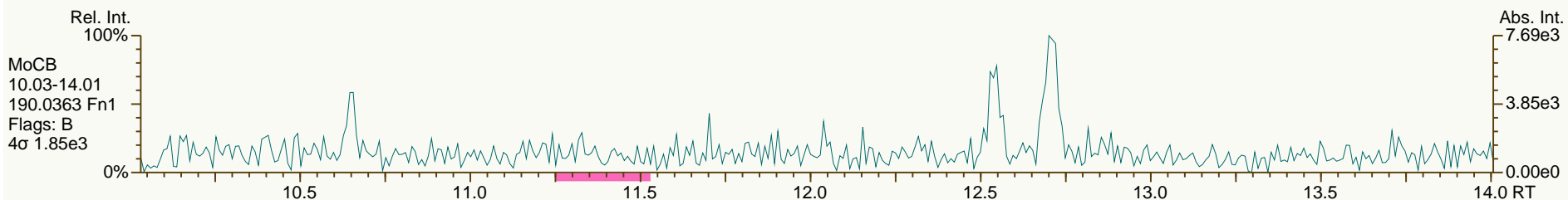
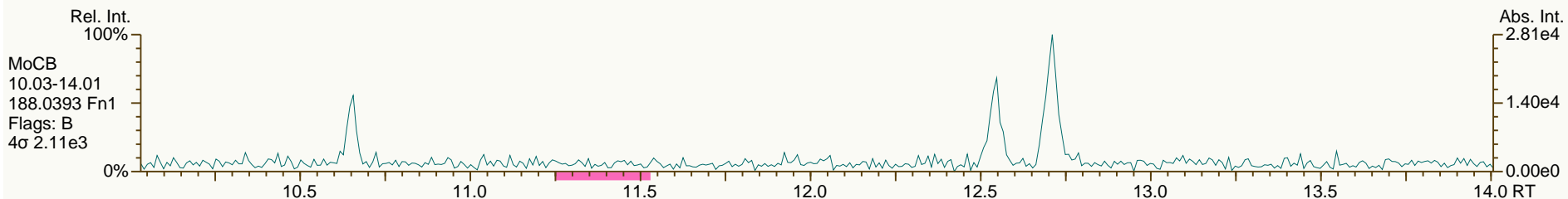


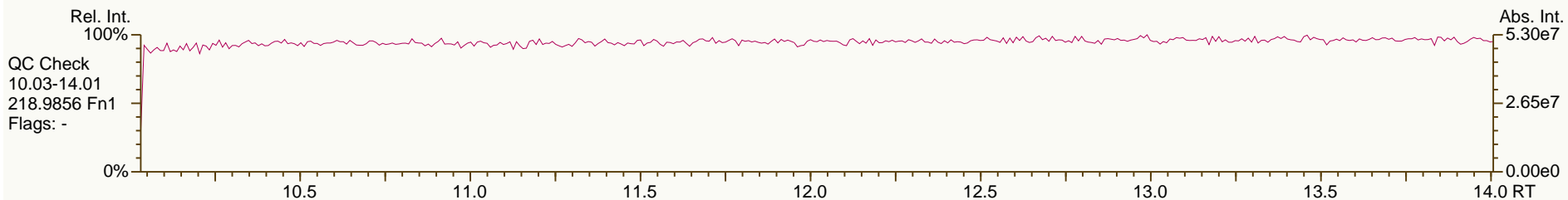
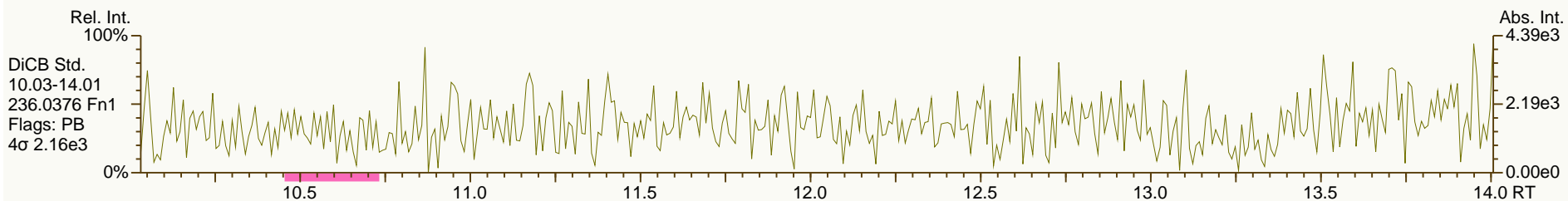
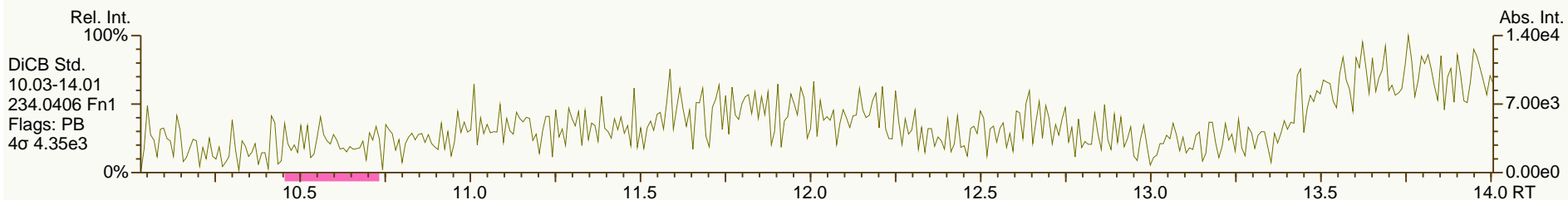
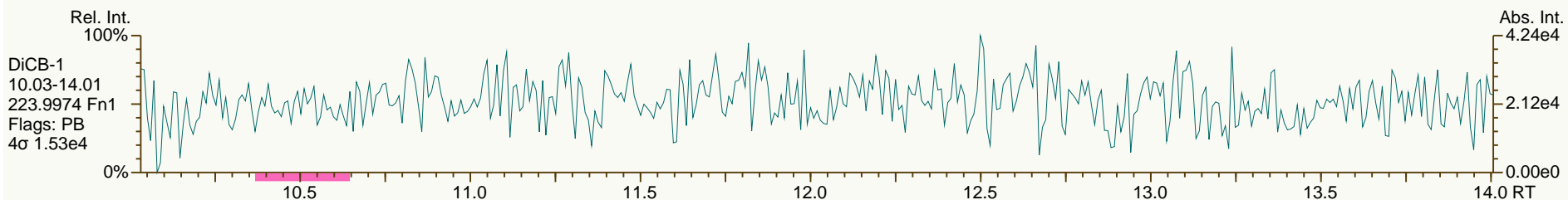
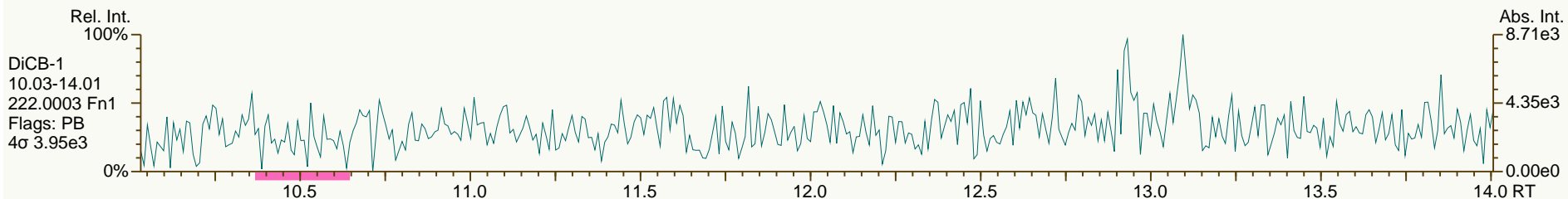


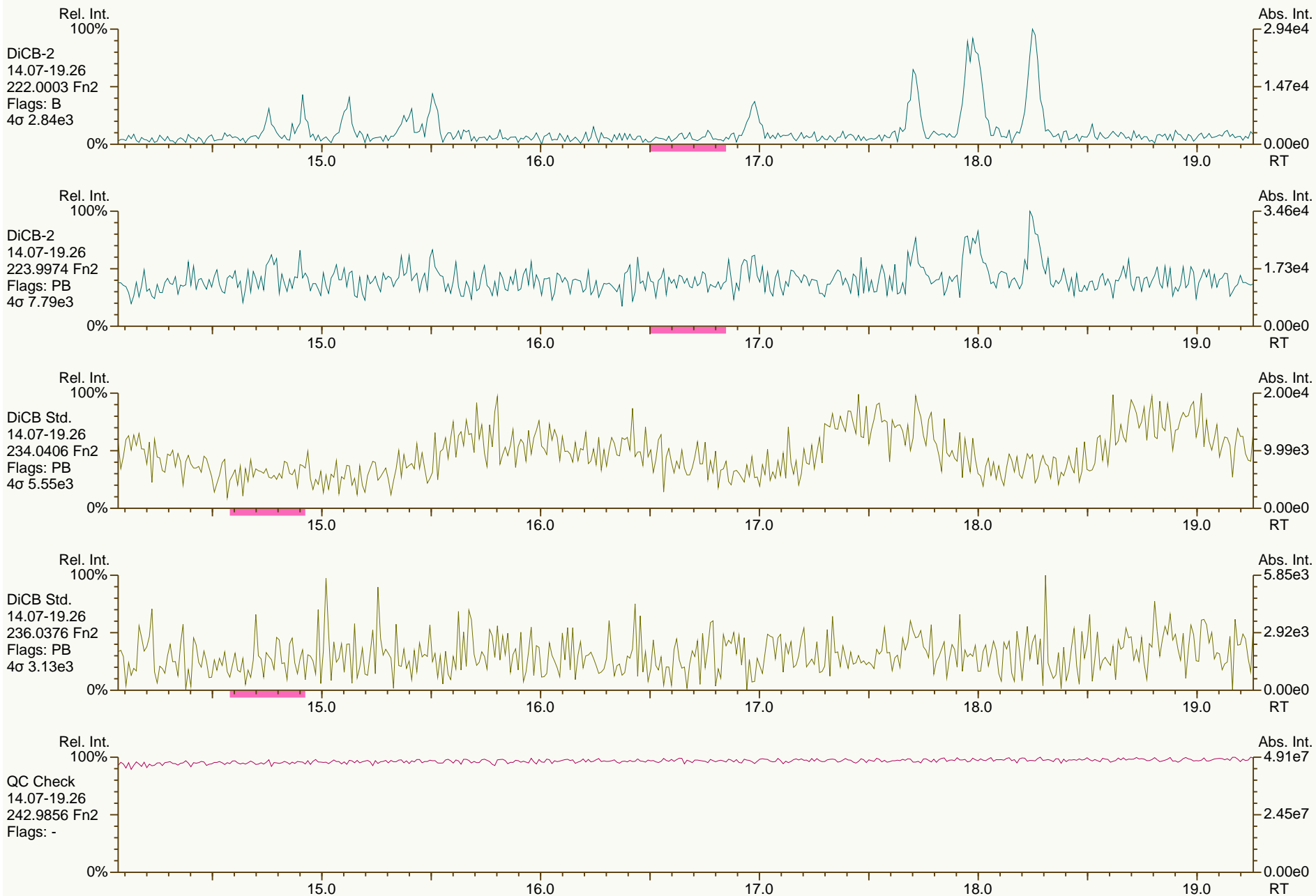


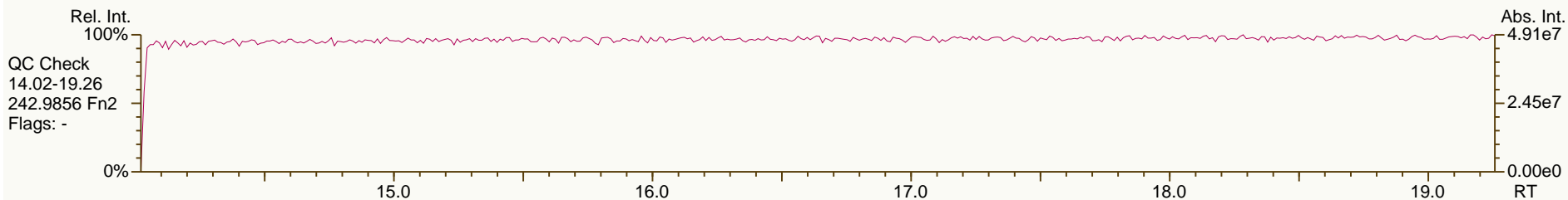
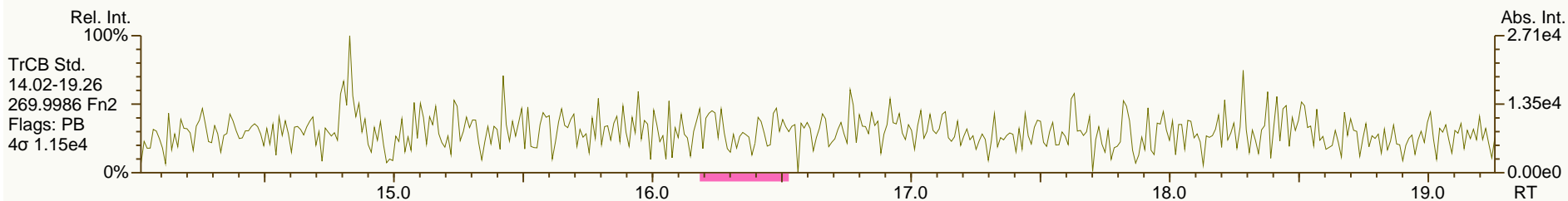
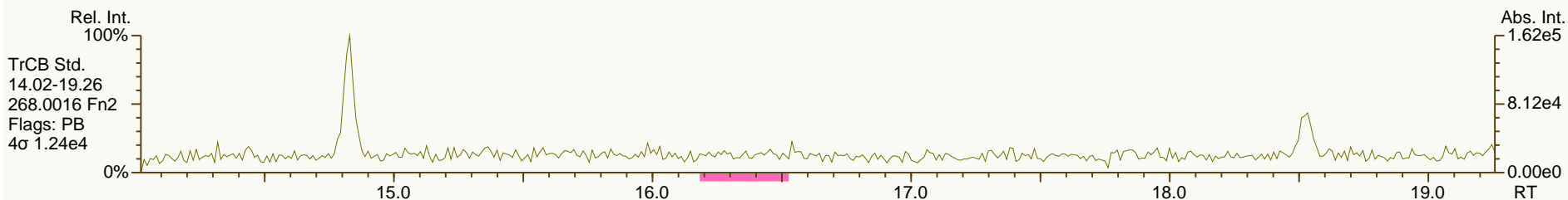
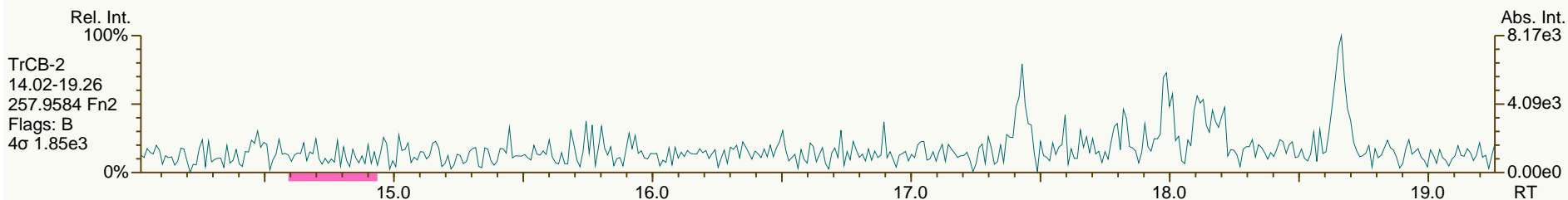
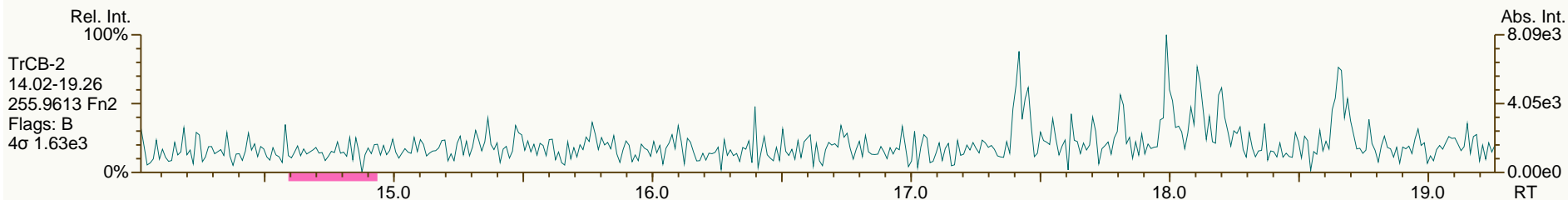


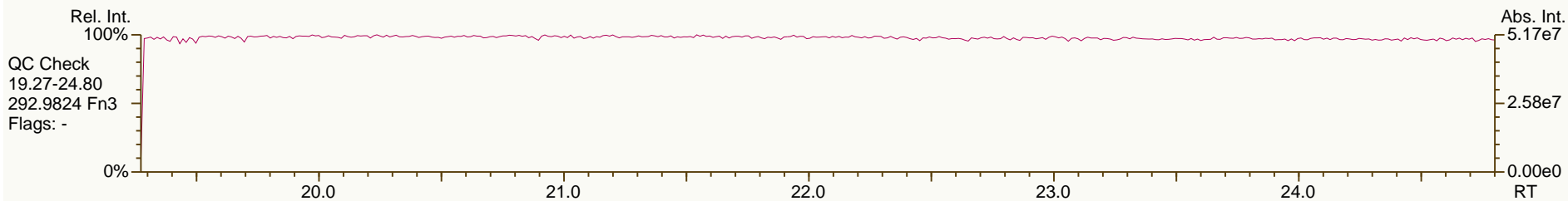
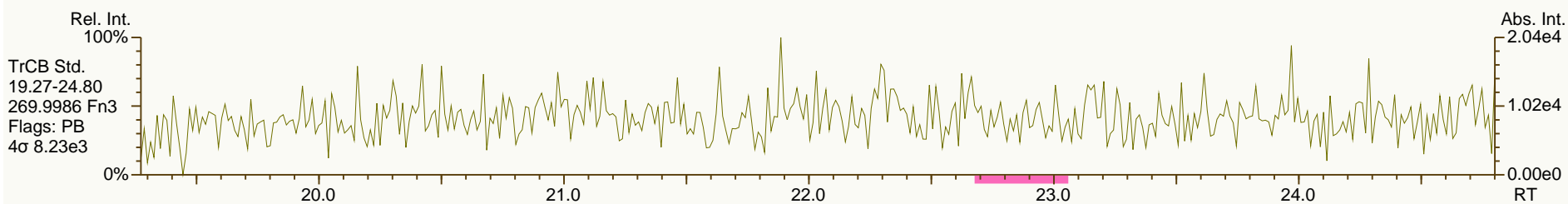
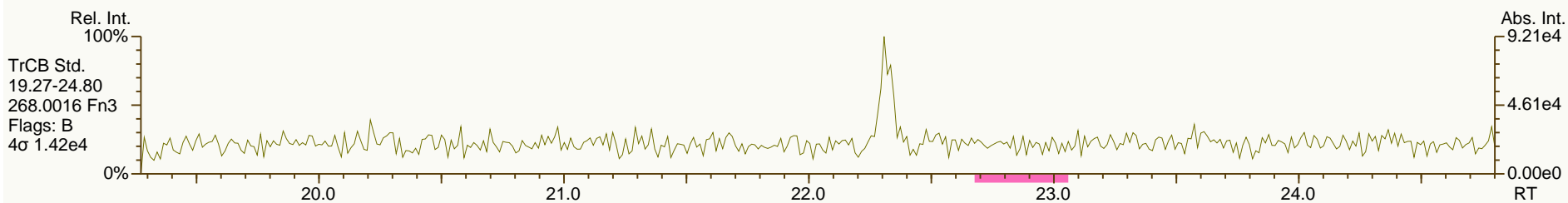
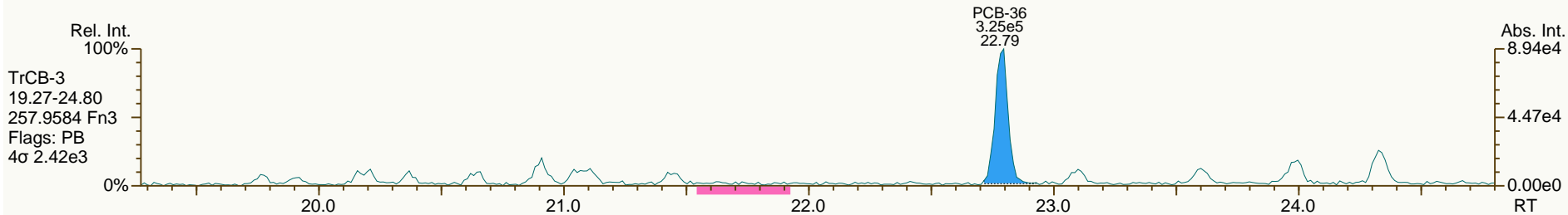
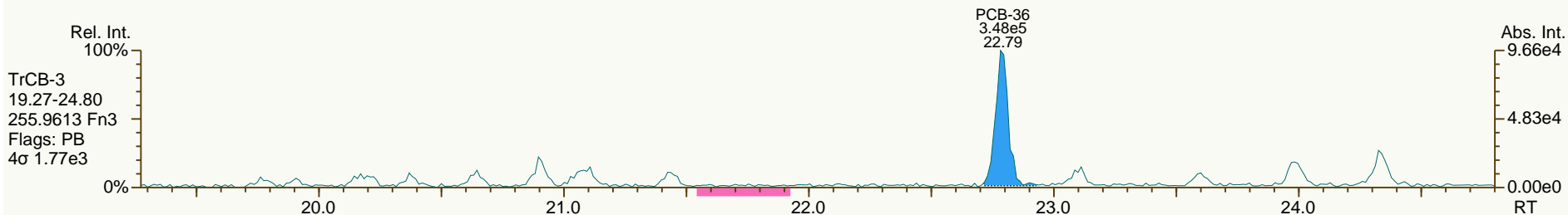


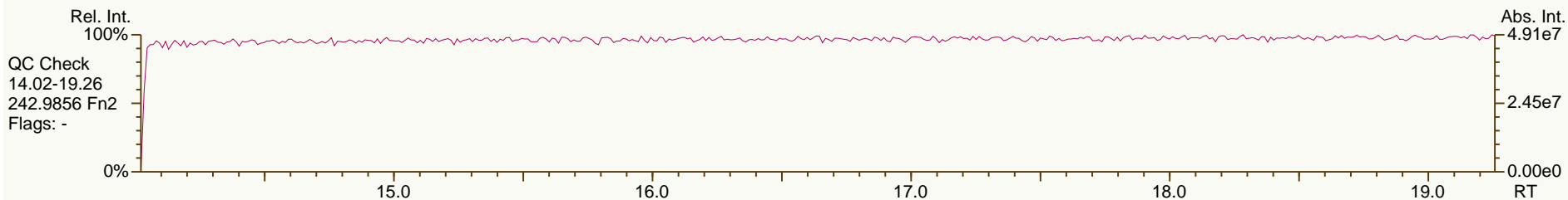
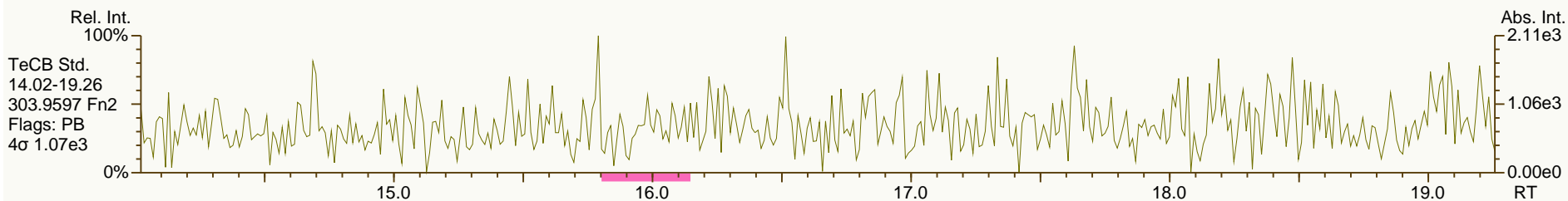
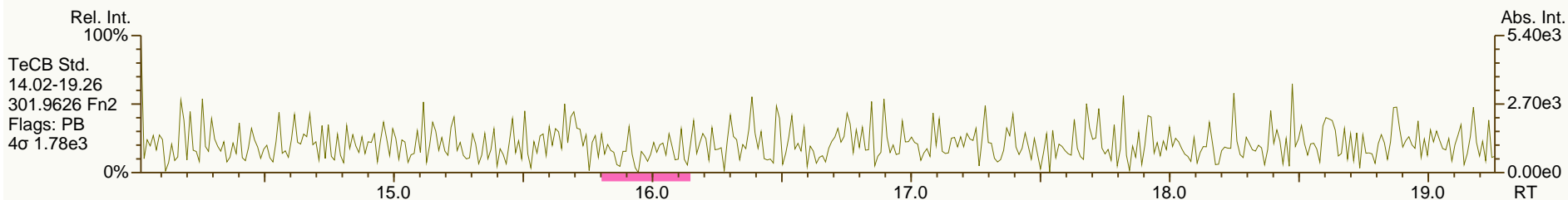
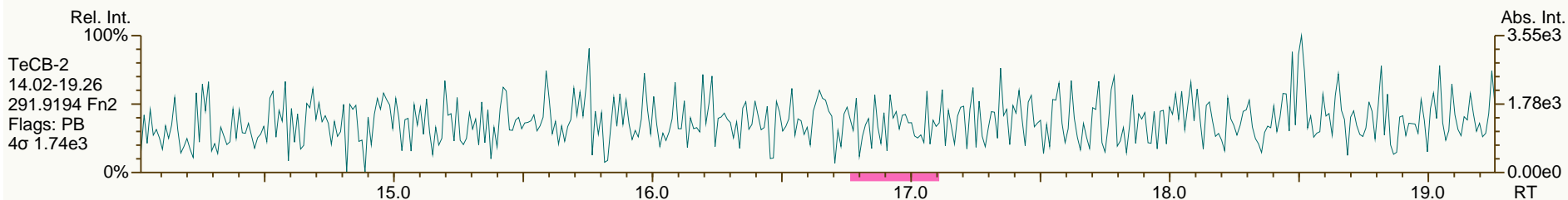
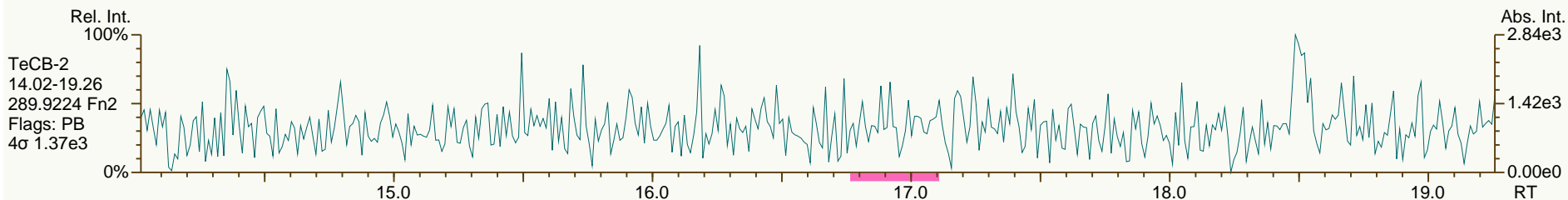


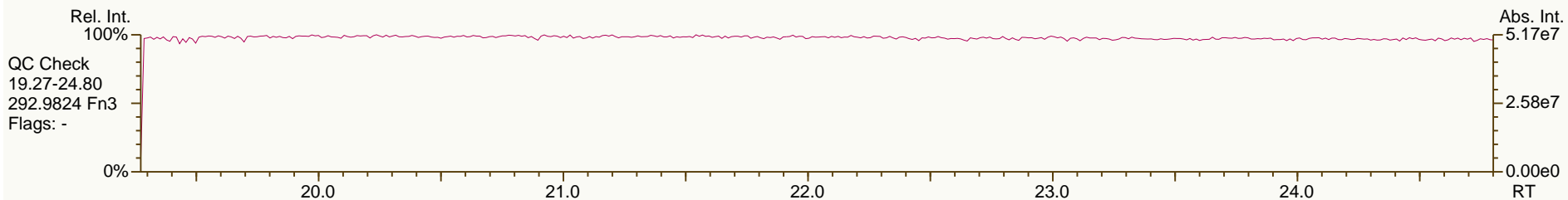
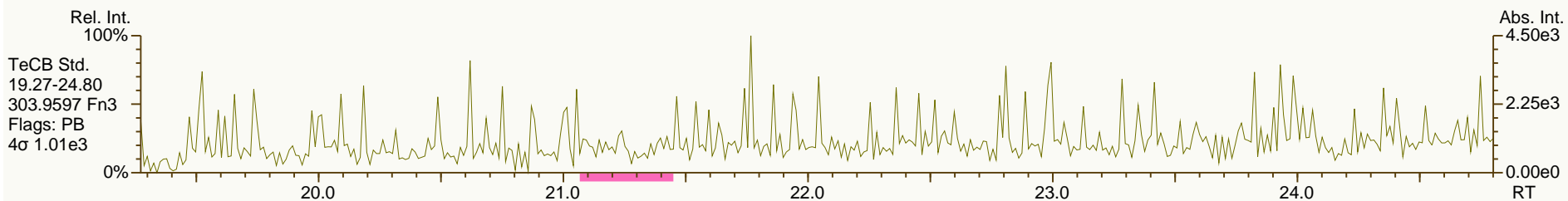
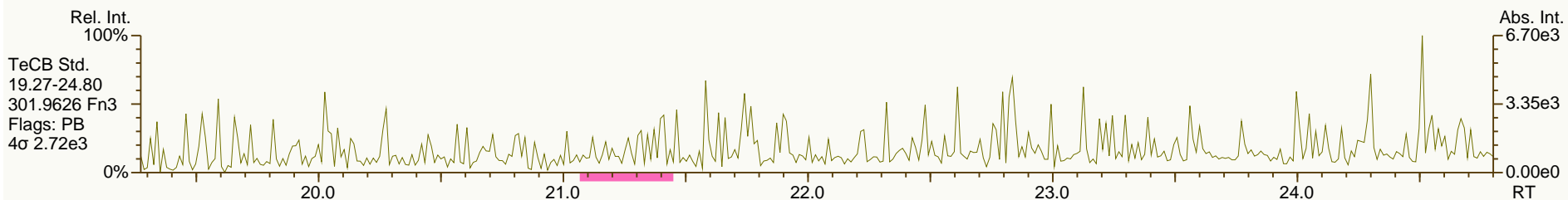
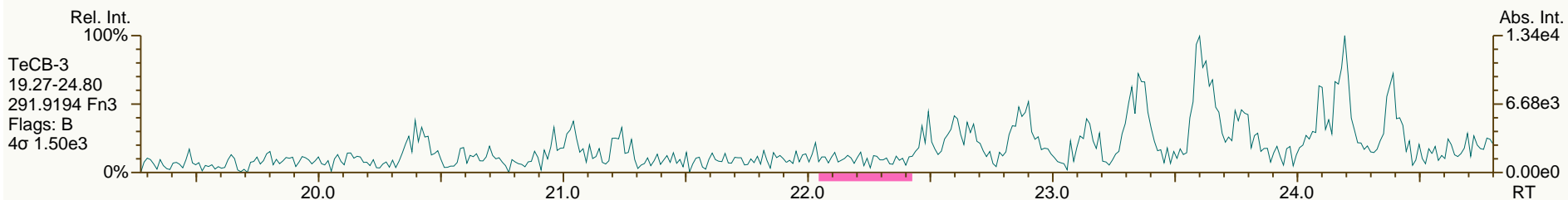
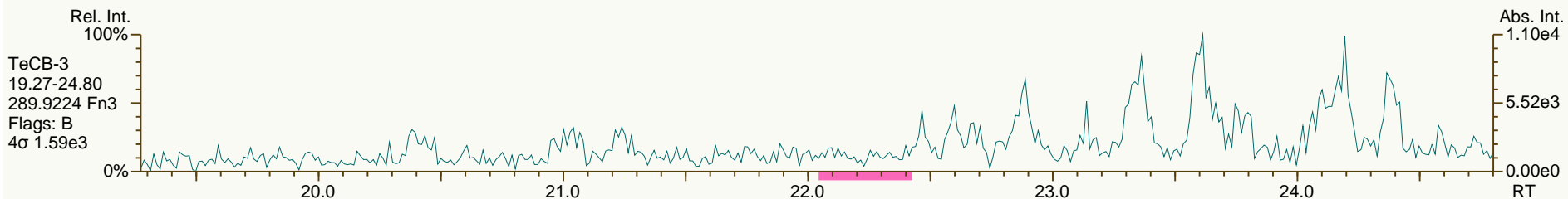


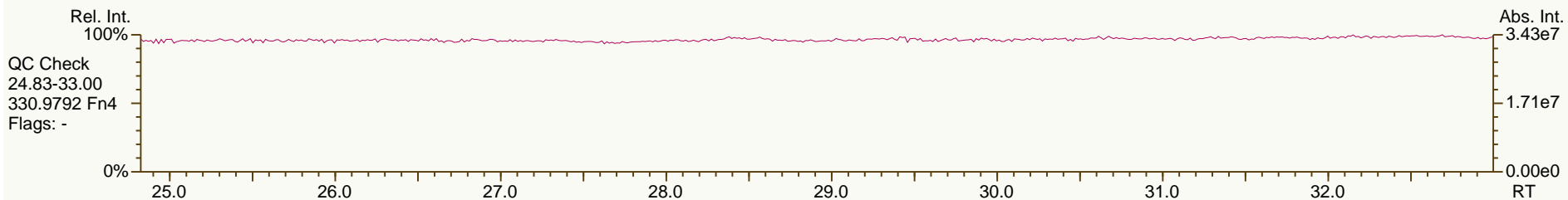
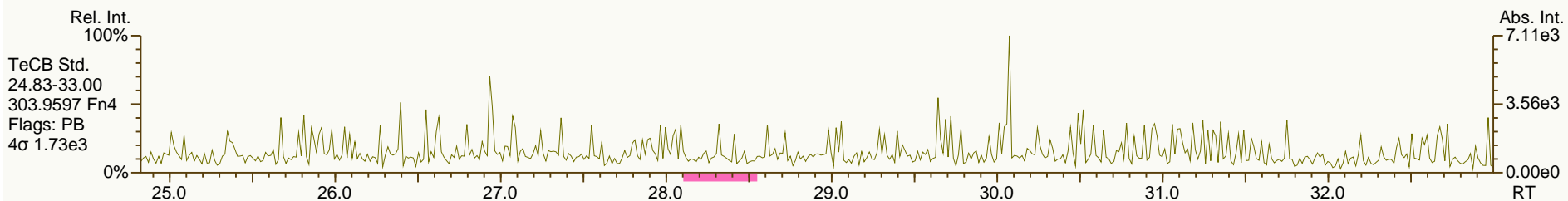
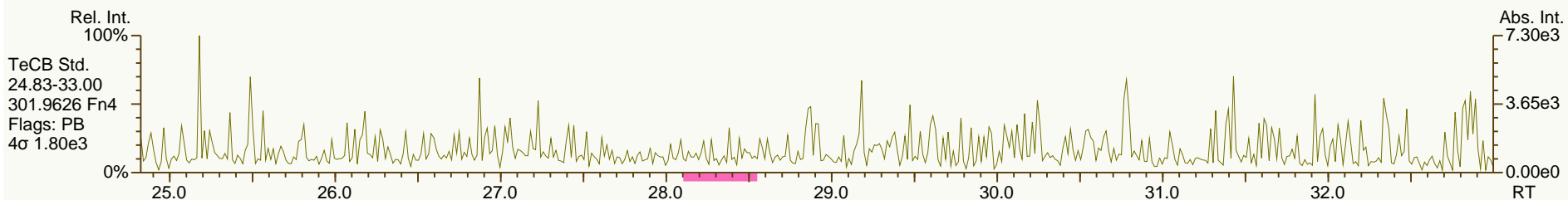
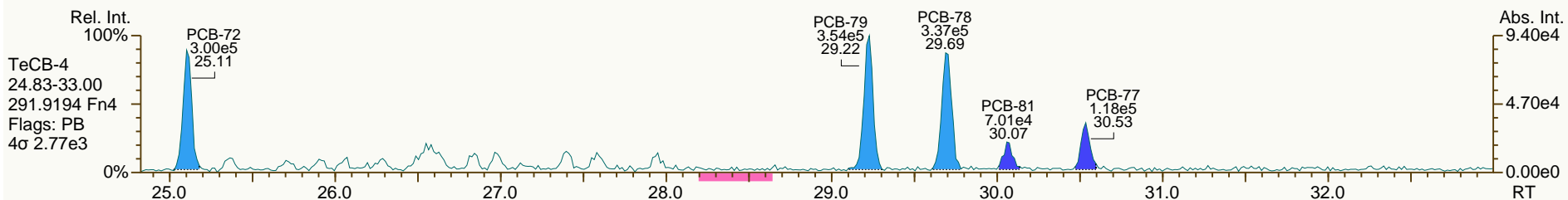
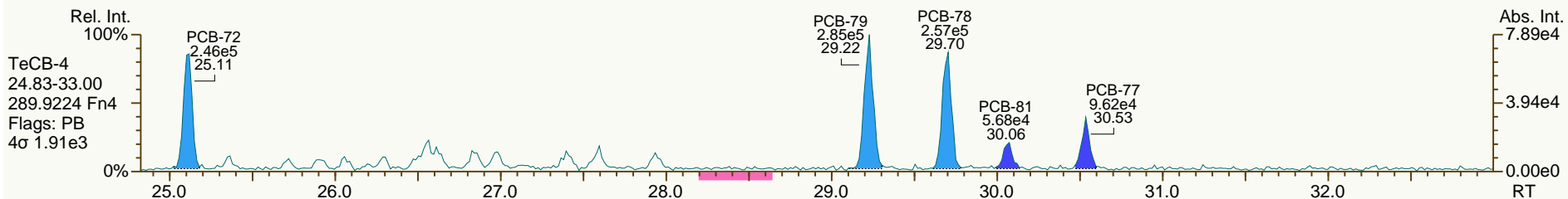


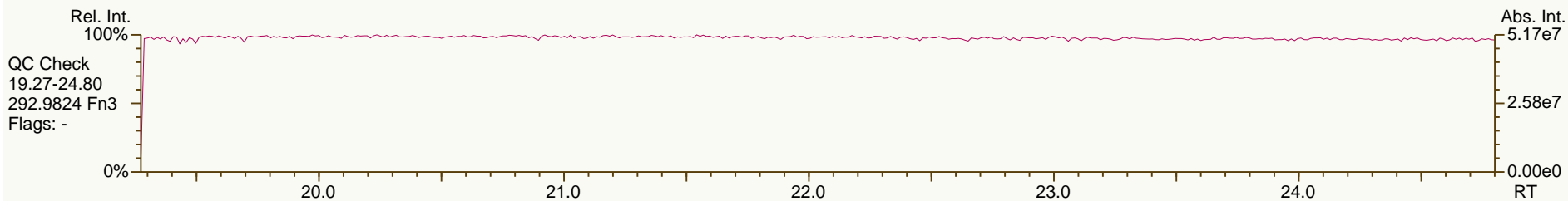
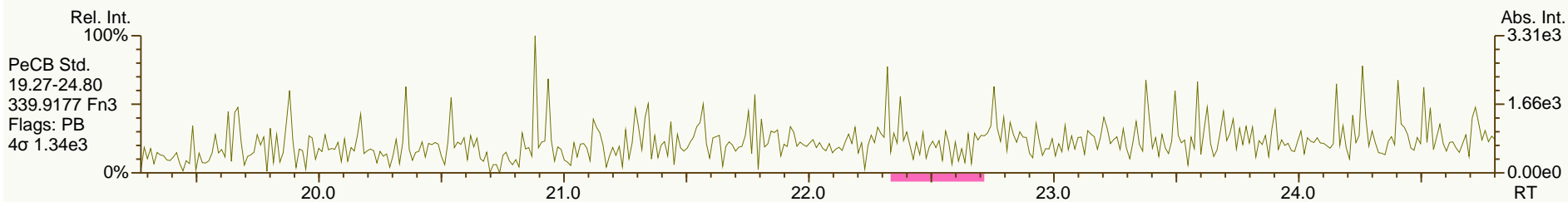
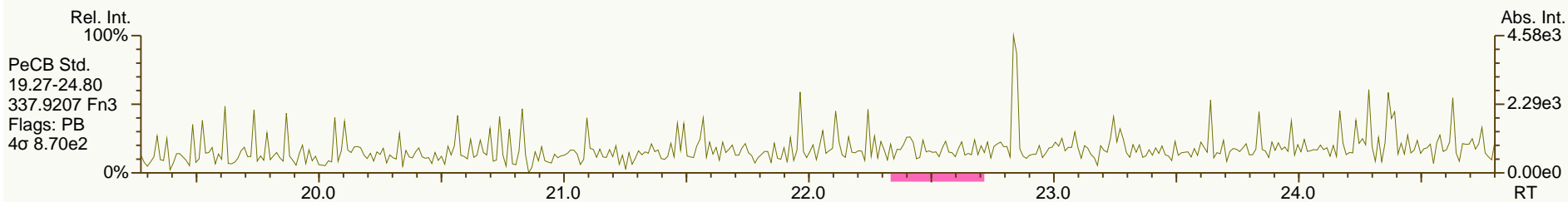
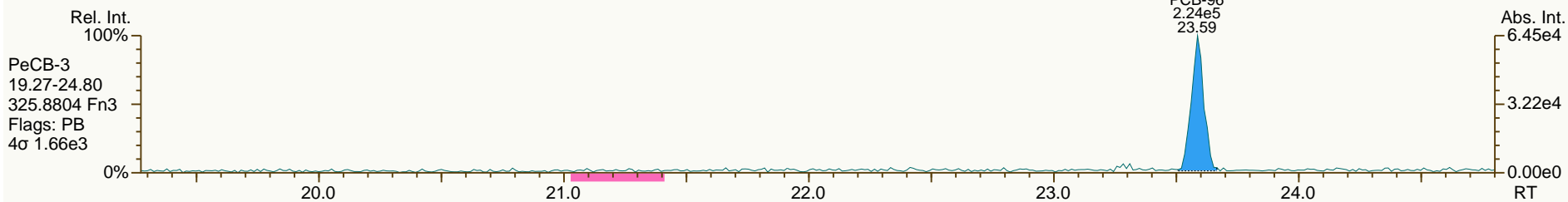
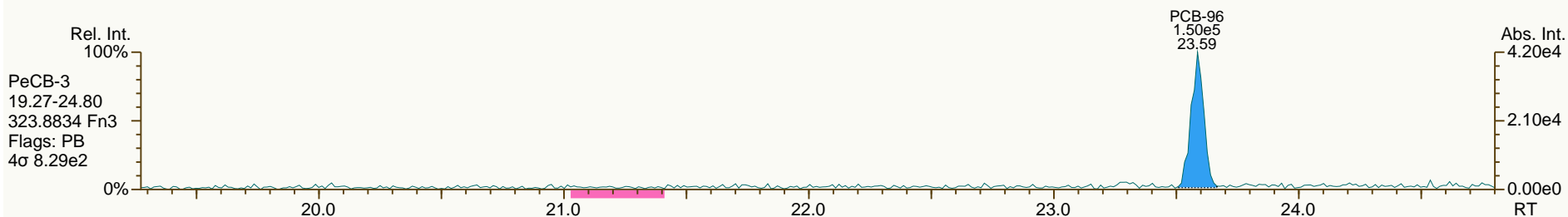


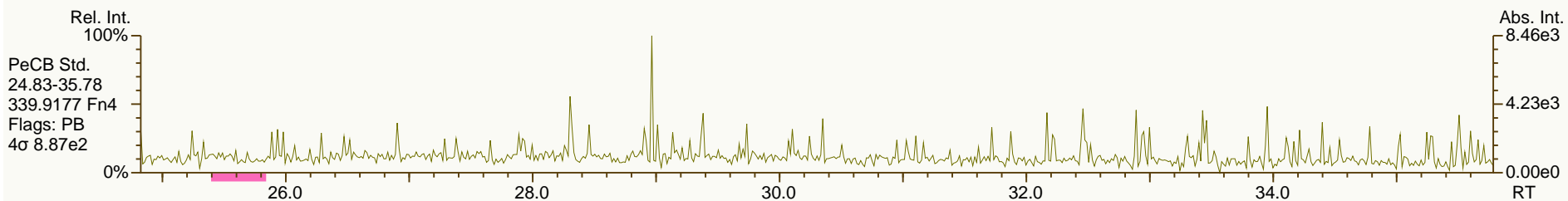
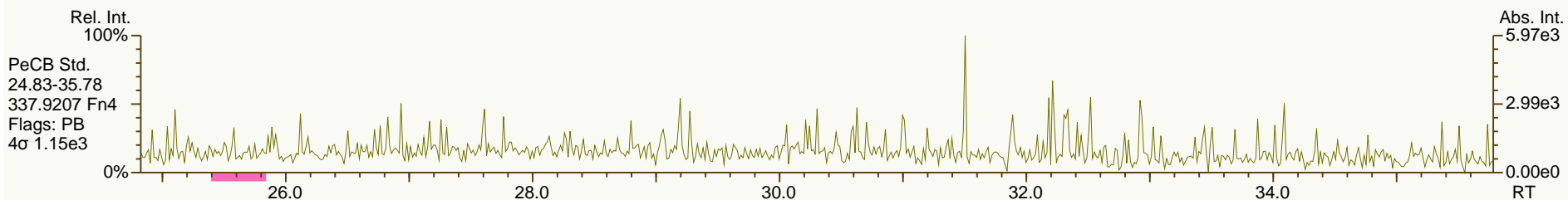
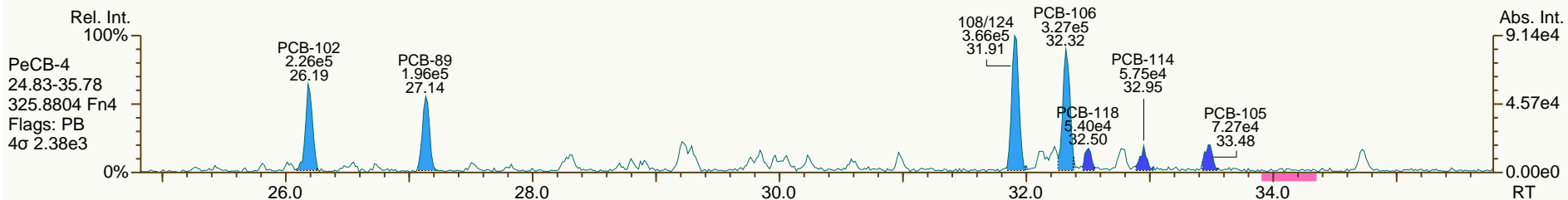
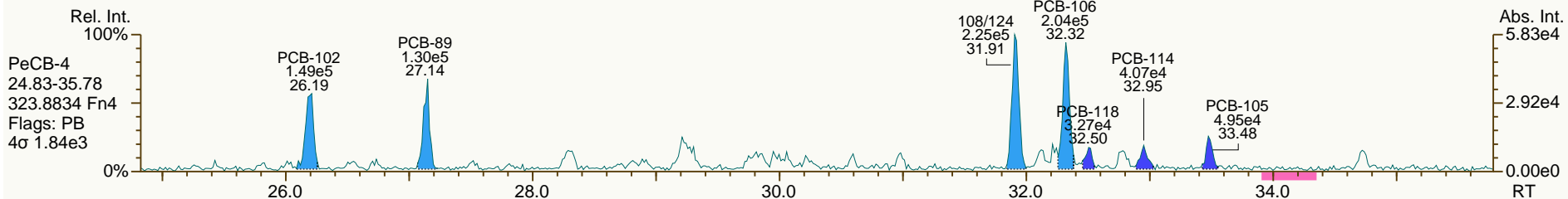


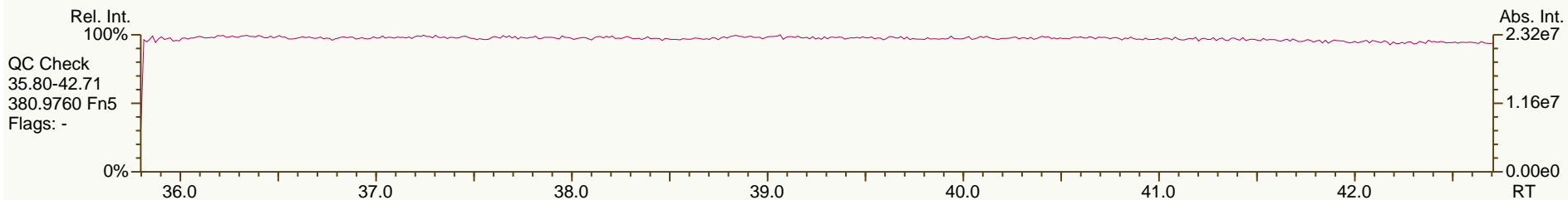
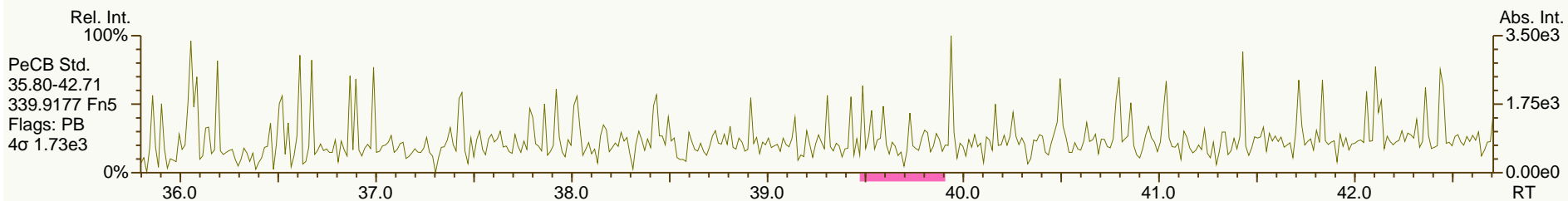
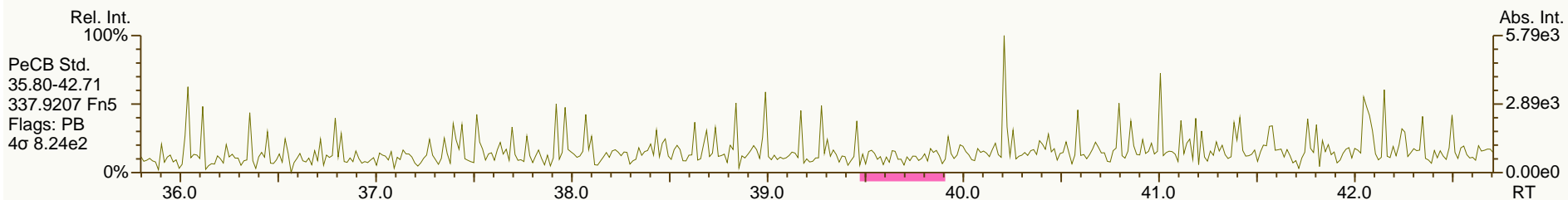
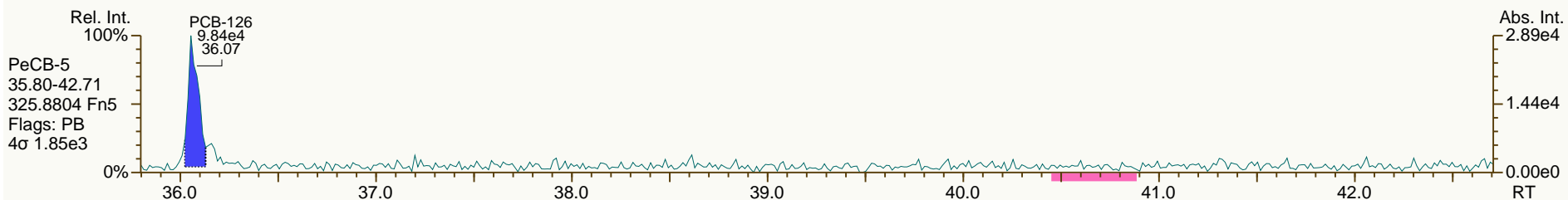
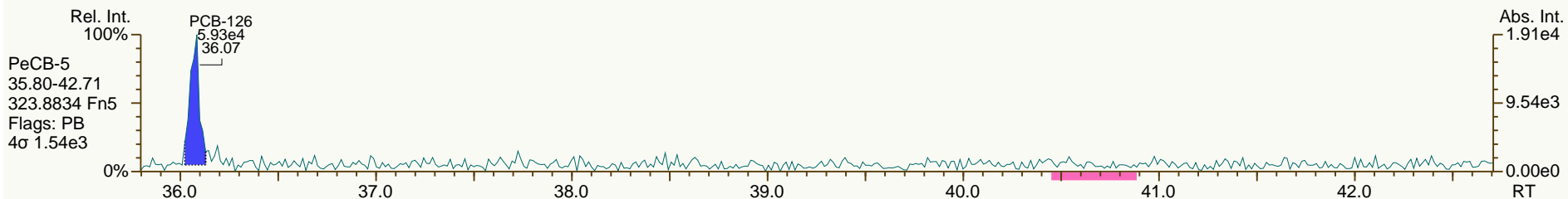


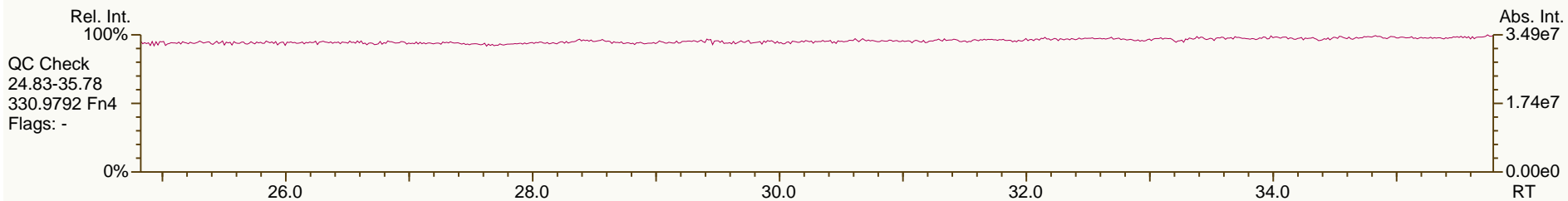
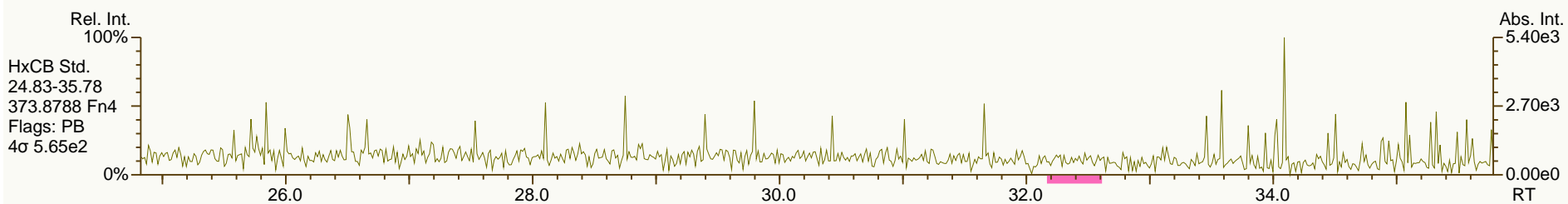
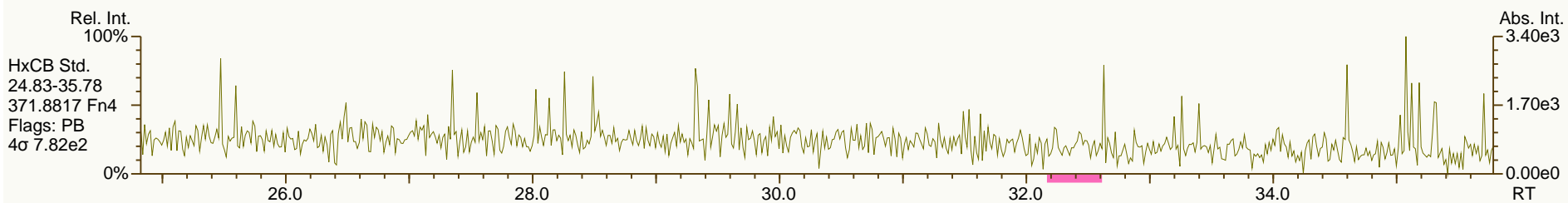
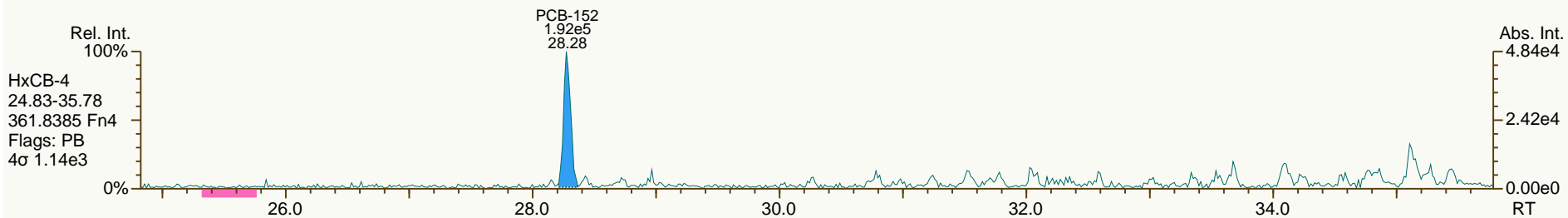
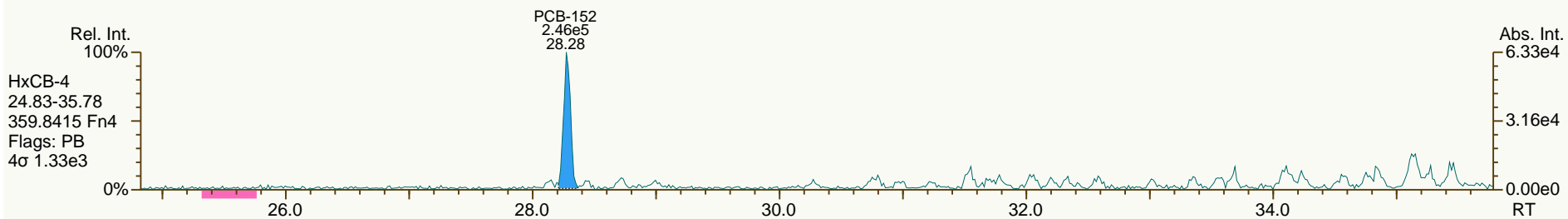


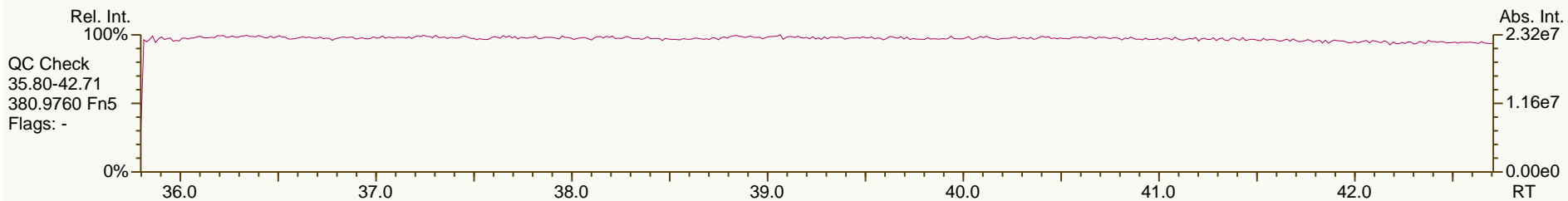
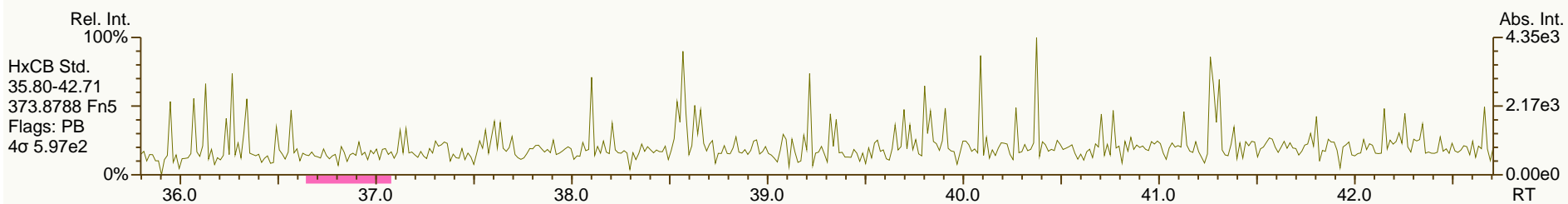
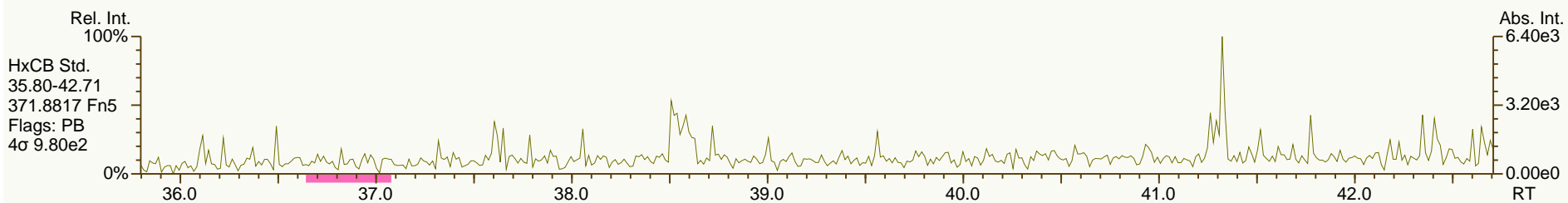
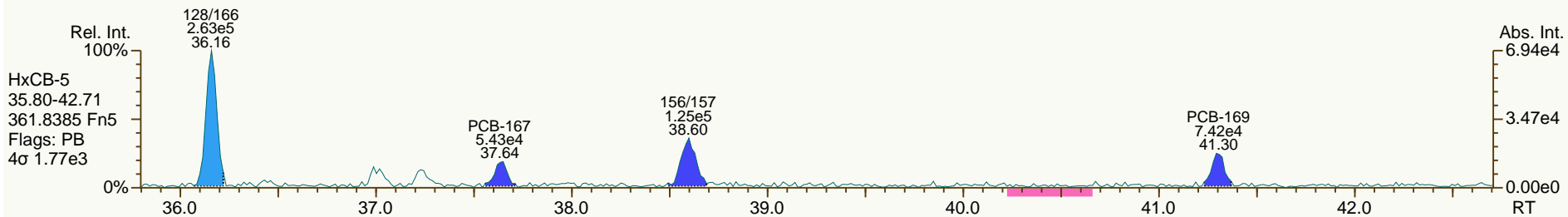
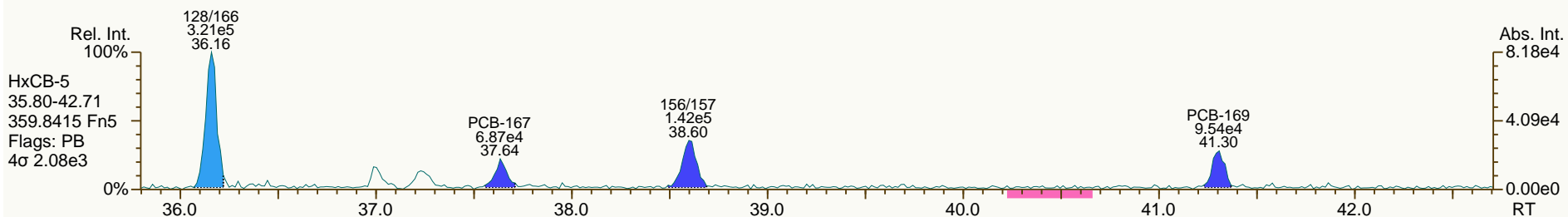


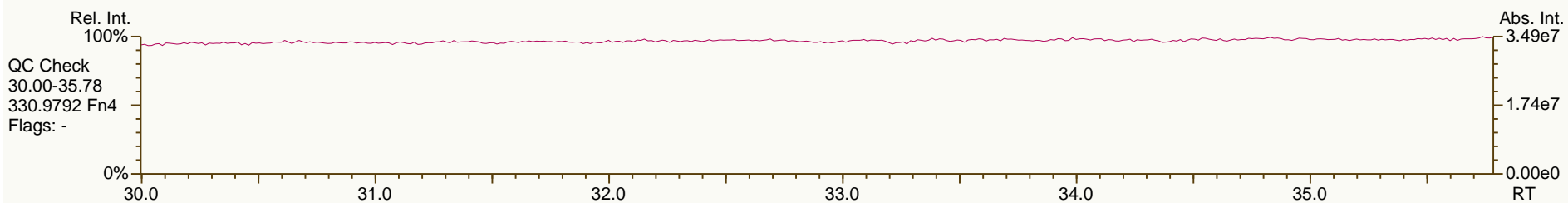
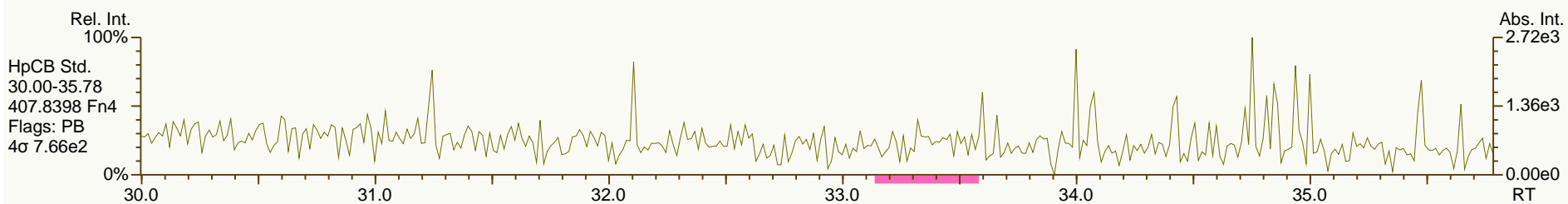
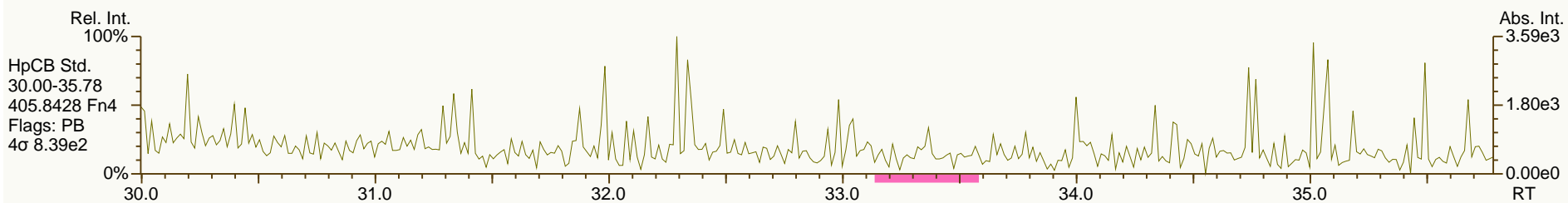
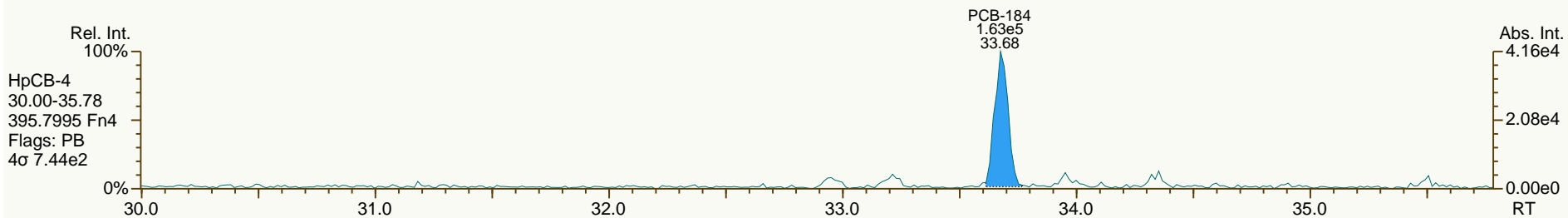
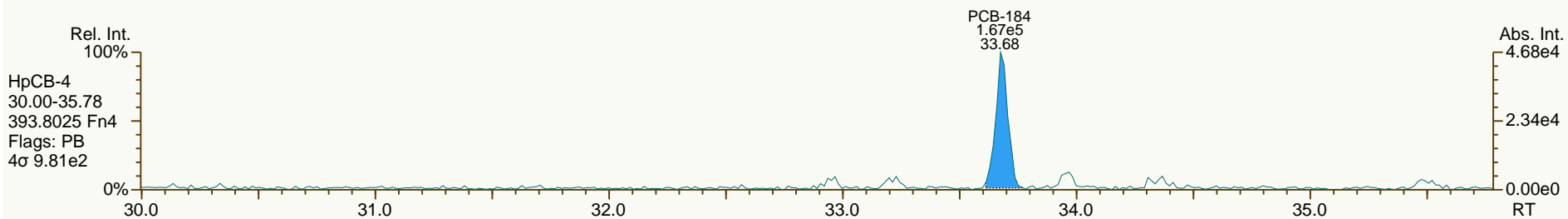


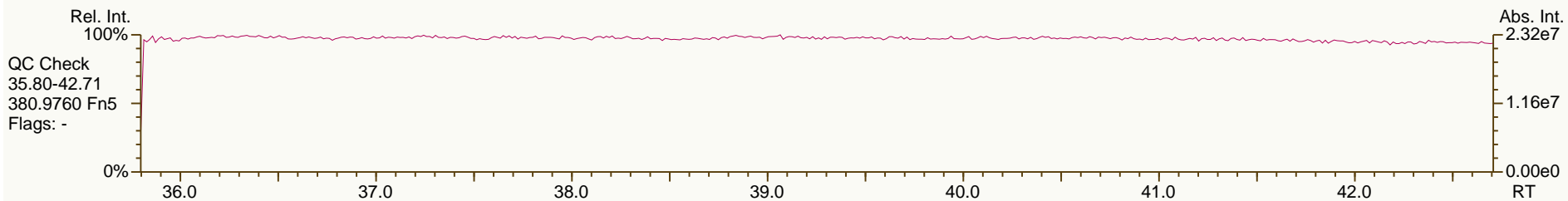
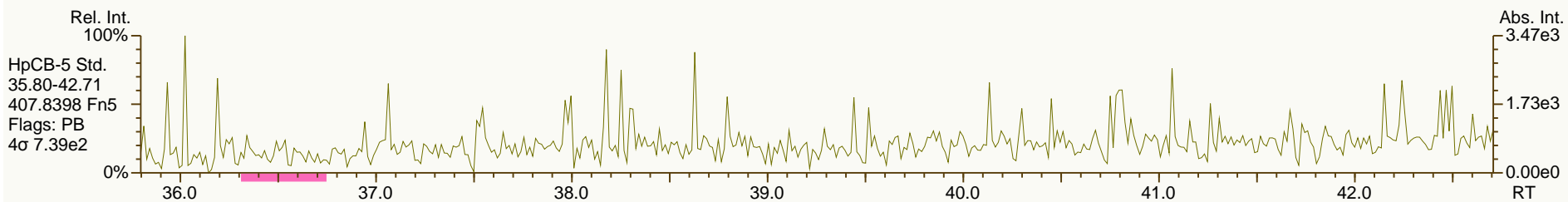
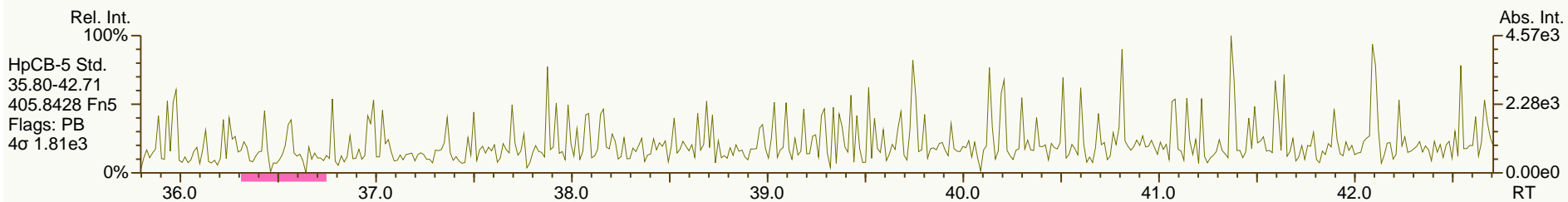
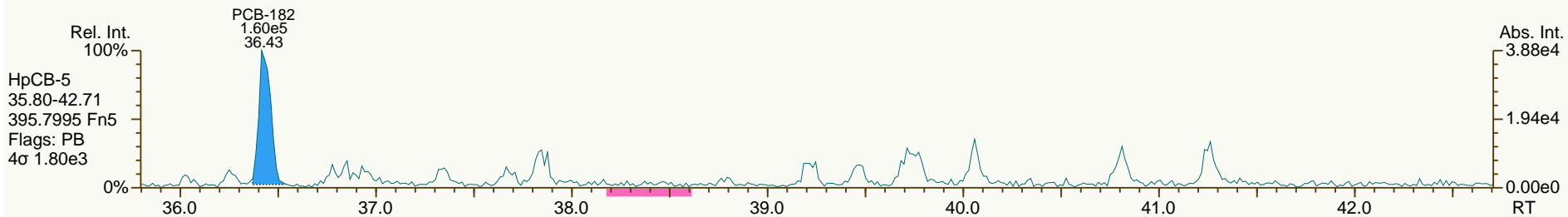
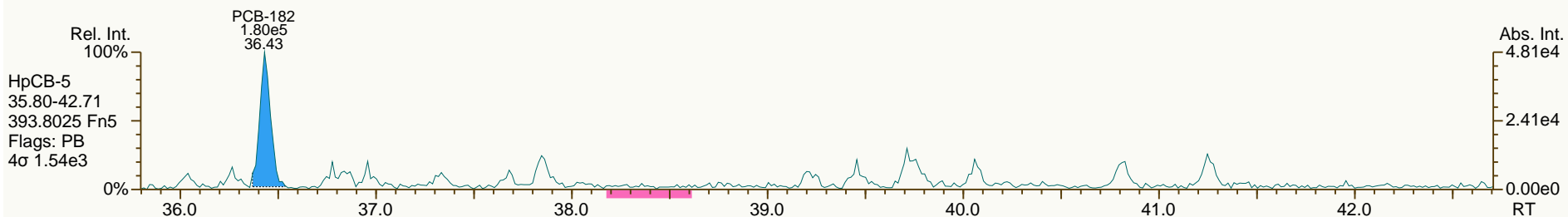


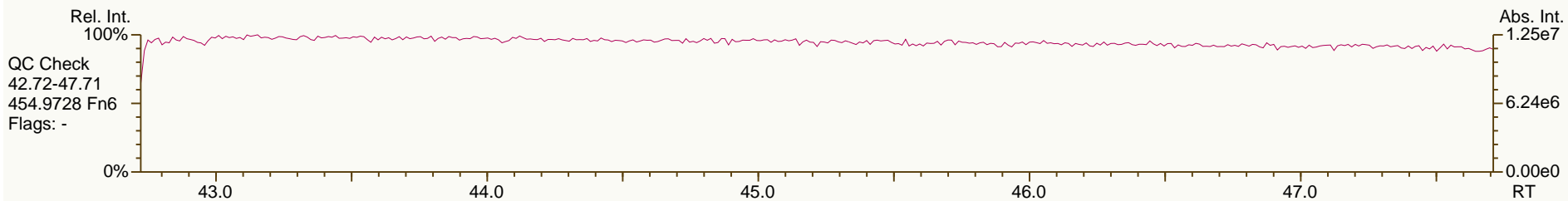
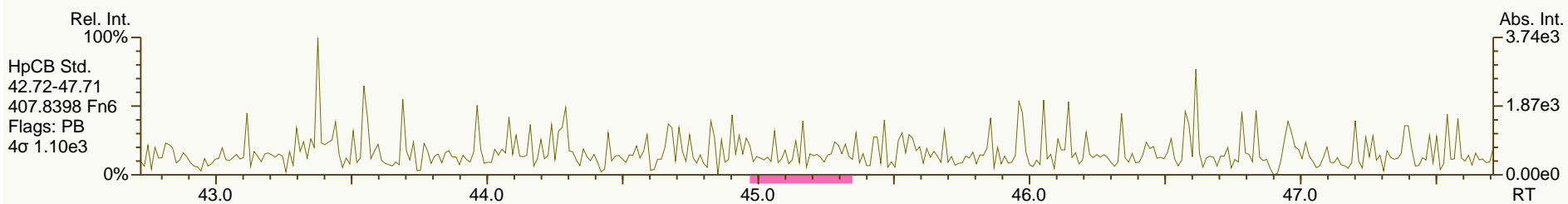
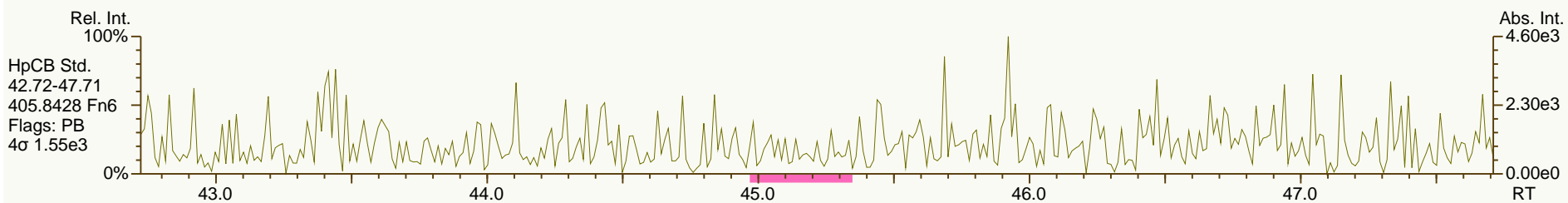
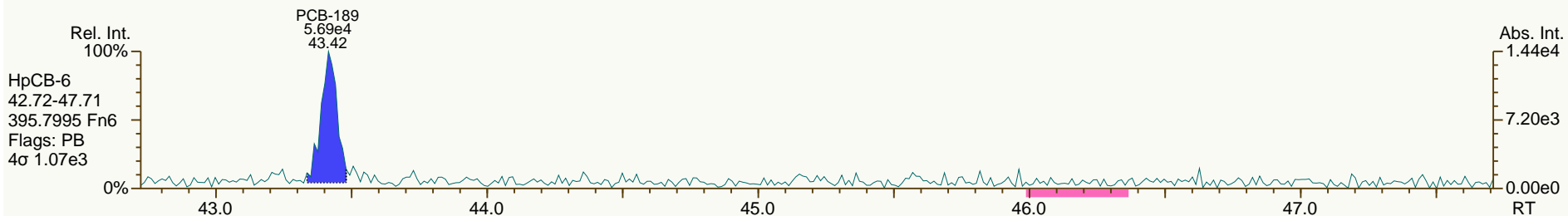
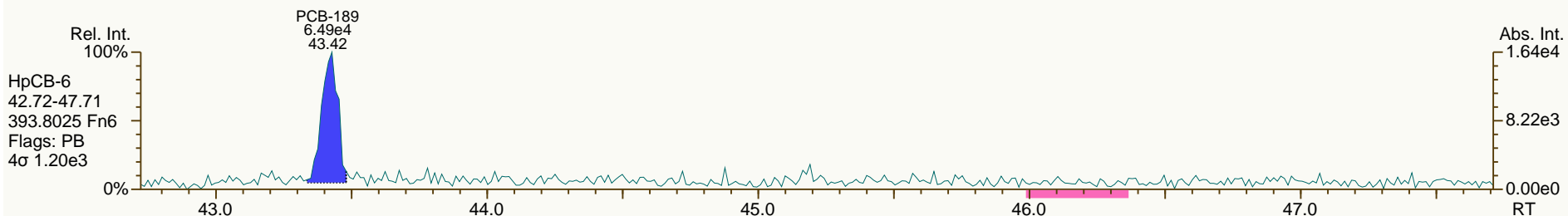


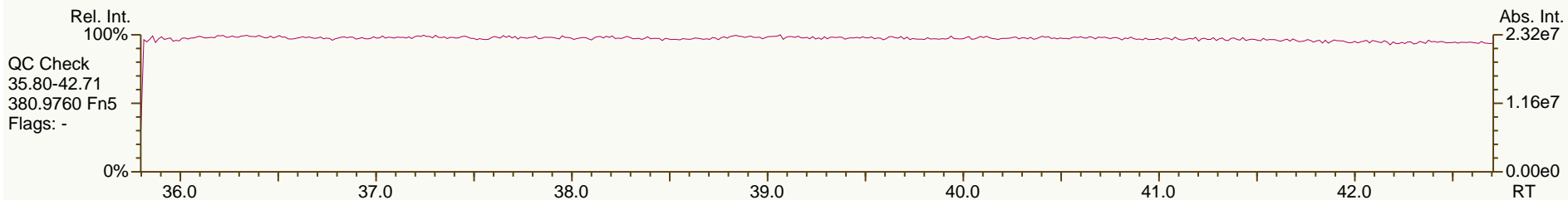
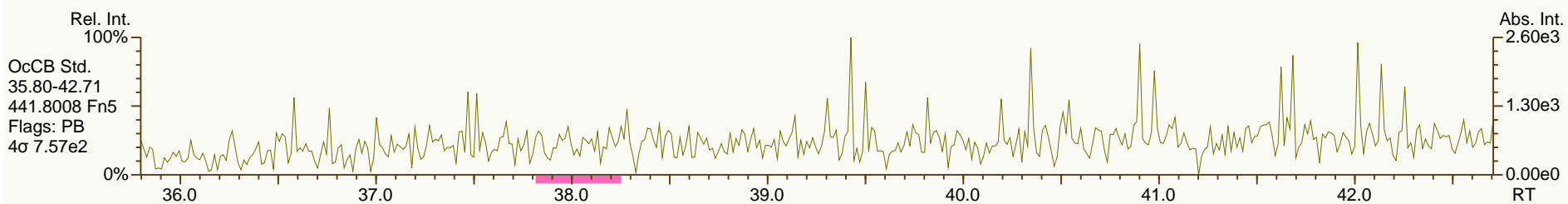
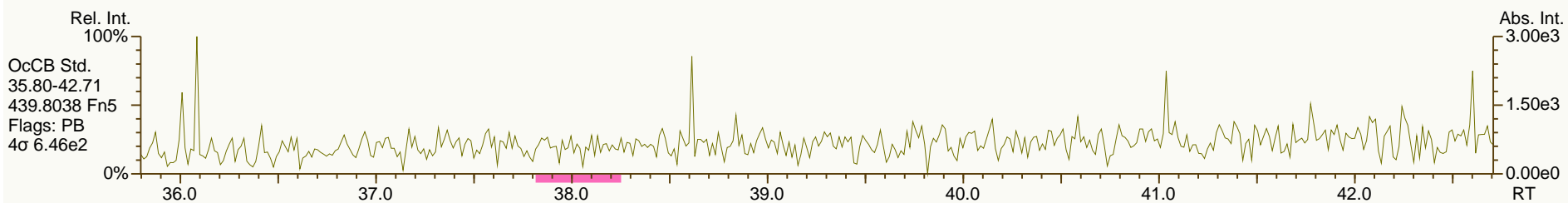
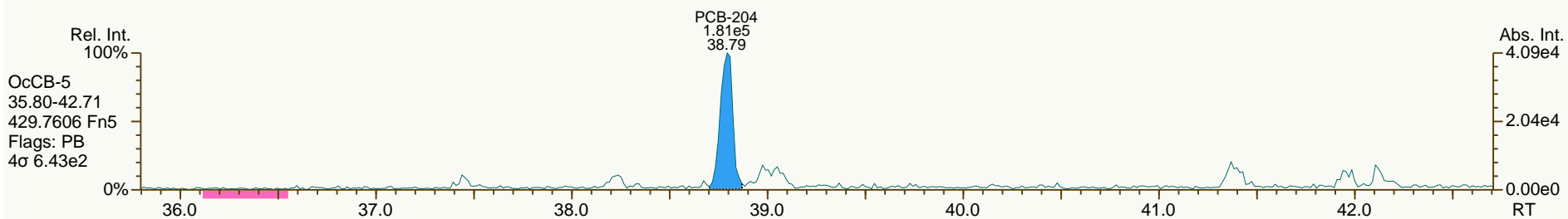
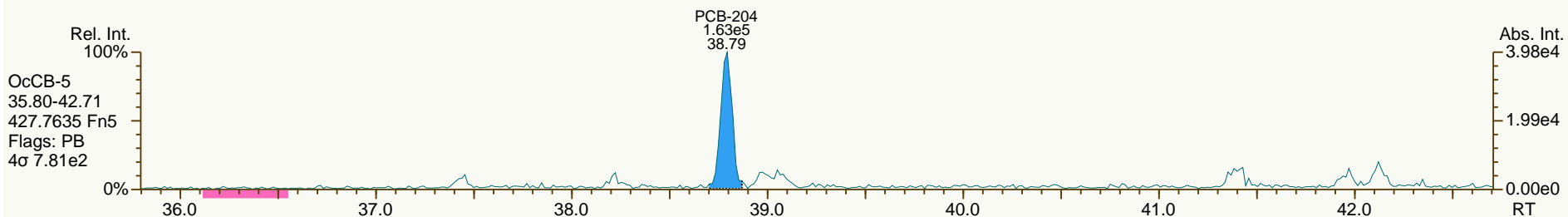


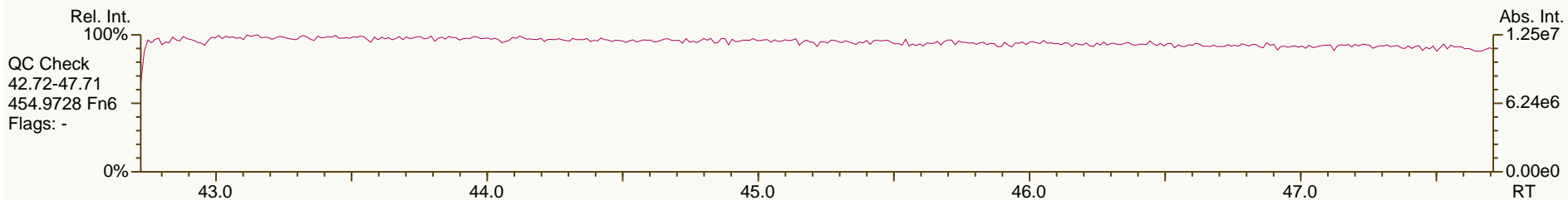
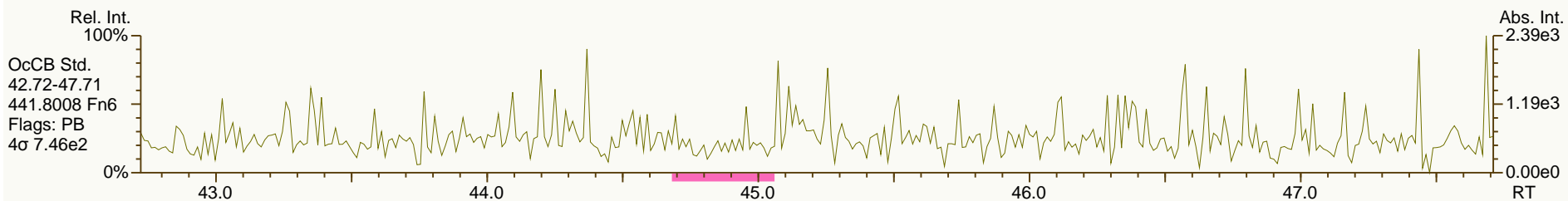
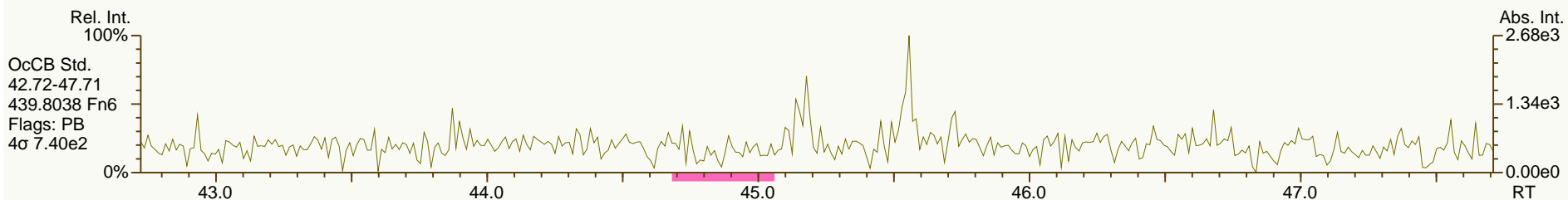
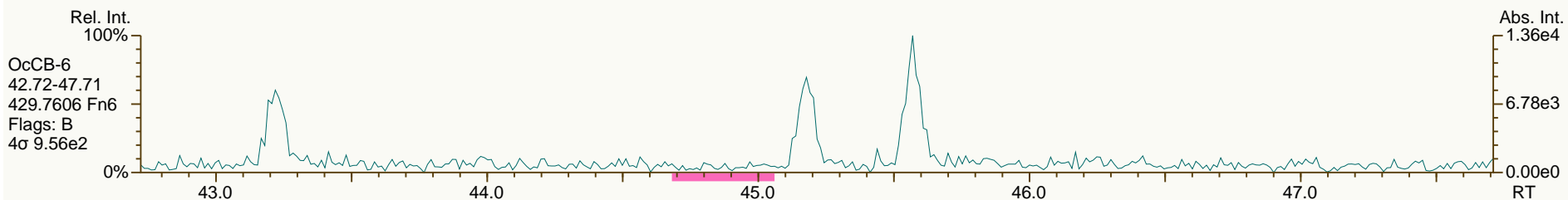
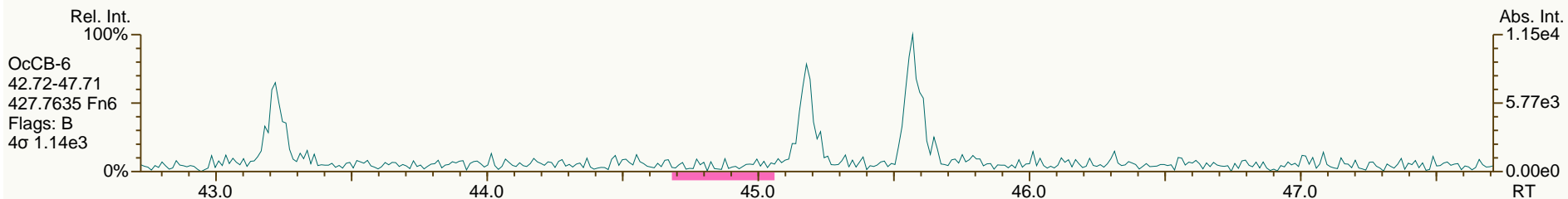


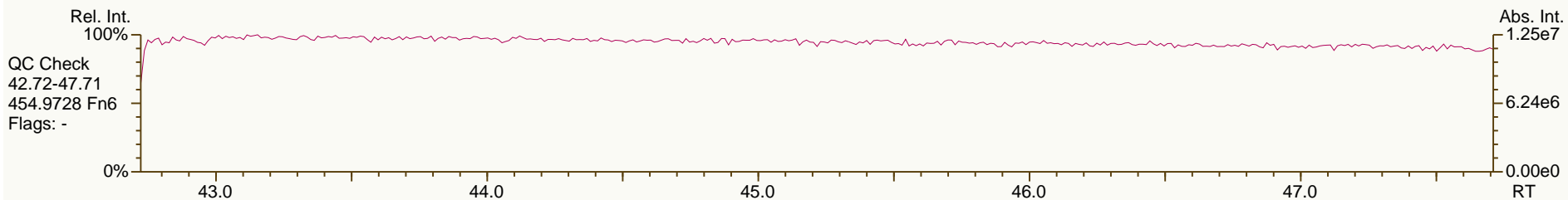
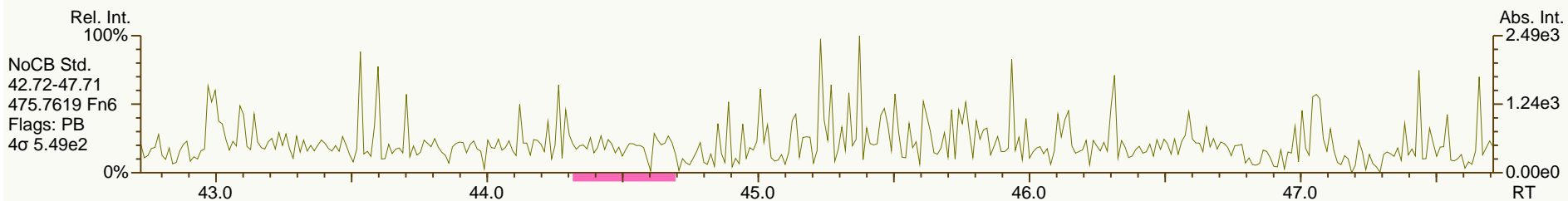
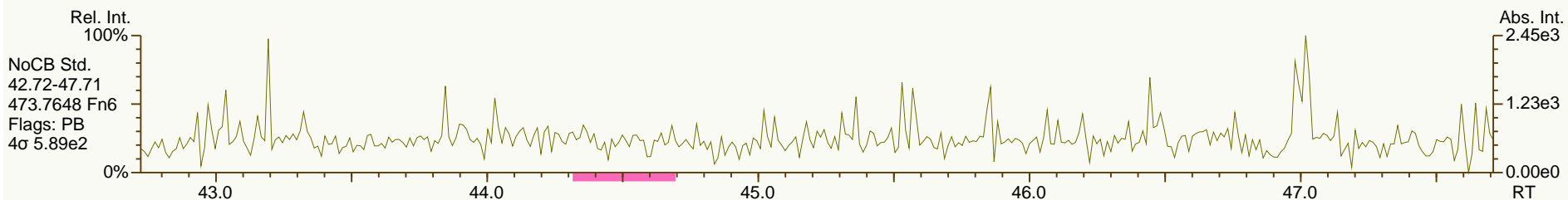
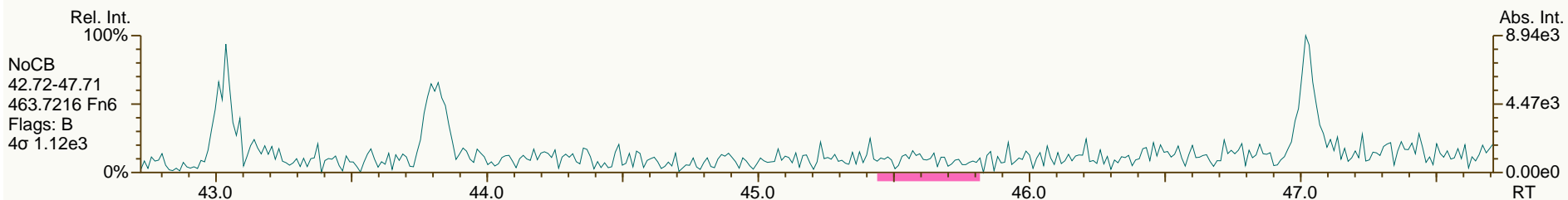
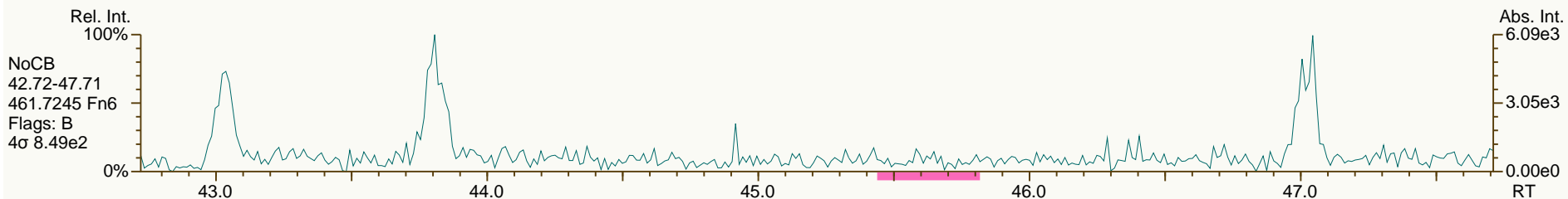


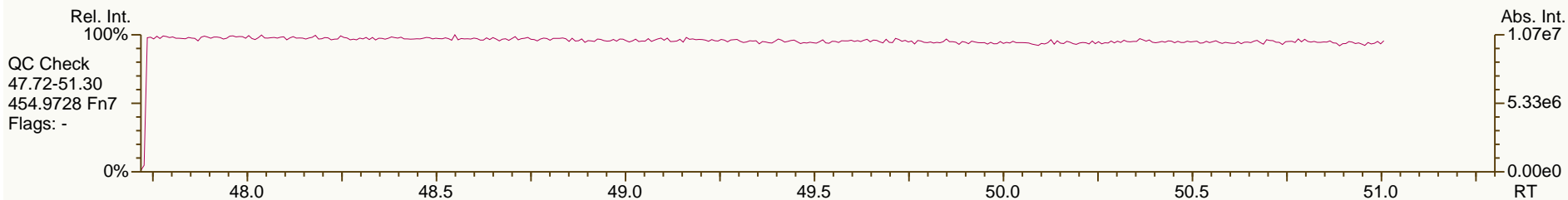
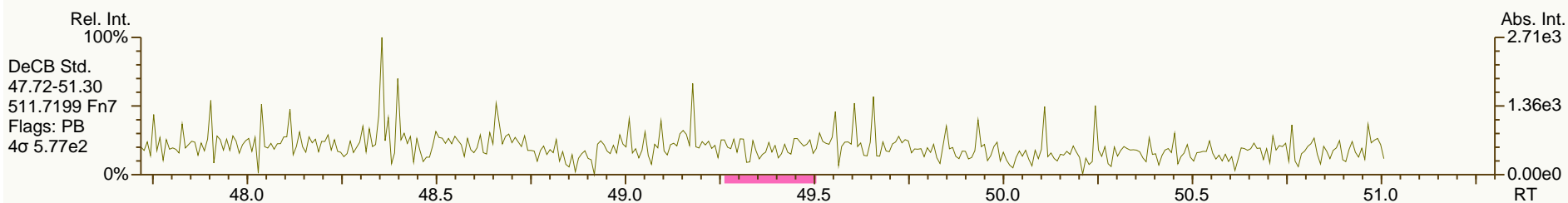
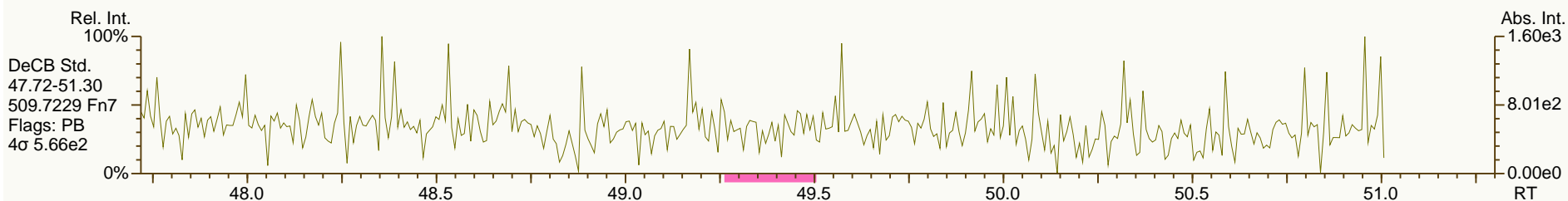
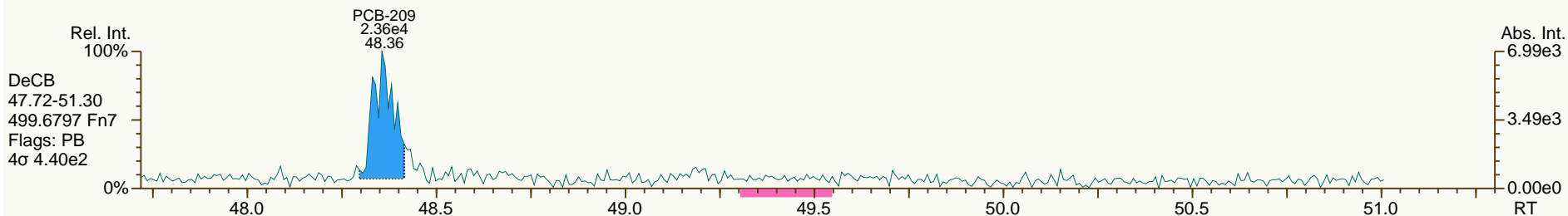
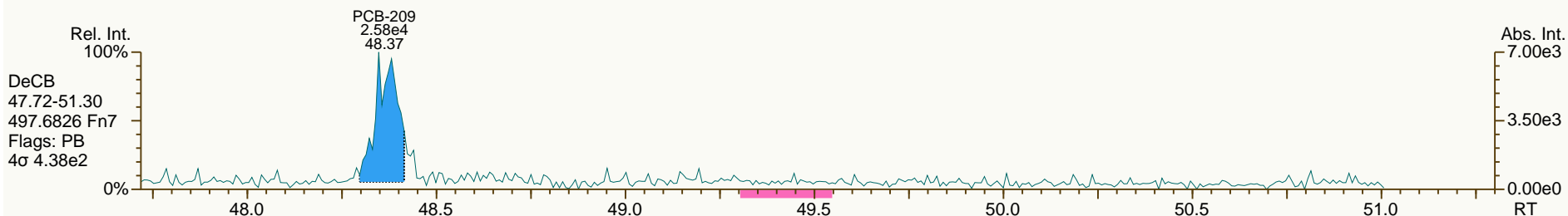












Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	121028P1-01	8	CS3_121027_DF_PA	1.00	S40-67B	MDC	766-081	28-OCT-2012	08:54:08
2	121028P1-02	77	OPR1_10237_DF	10.00	0_10237_OPR001	MDC	524-362	28-OCT-2012	09:45:18
3	121028P1-03	15	SBS_121028_DF_PA	1.00	solvent blank	MDC	410-039	28-OCT-2012	10:36:29
4	121028P1-04	76	MB1_10237_DF_SDS	10.00	MB1_10237_DF_SDS	MDC	818-981	28-OCT-2012	11:27:39
5	121028P1-05	78	A4723_10237_DF_001	10.18	JW-EA10-SS41-120507	MDC	590-183	28-OCT-2012	12:18:49
6	121028P1-06	79	A4723_10237_DF_002	10.11	JW-EA10-SS40-120507	MDC	352-196	28-OCT-2012	13:09:59
7	121028P1-07	80	A4723_10237_DF_003	10.08	JW-EA10-SS39-120507	MDC	079-876	28-OCT-2012	14:01:09
8	121028P1-08	81	A4723_10237_DF_004	10.14	JW-EA09-SS38-120507	MDC	539-230	28-OCT-2012	14:52:18
9	121028P1-09	82	A4723_10237_DF_005	10.09	JW-EA09-SS37-120507	MDC	083-866	28-OCT-2012	15:42:53
10	121028P1-10	83	A4723_10237_DF_006	10.19	JW-EA10-SS42-120507	MDC	561-234	28-OCT-2012	16:34:03
11	121028P1-11	84	A4723_10237_DF_007	10.05	JW-EA10-SS43-120507	MDC	272-397	28-OCT-2012	17:25:13
12	121028P1-12	15	SBS_121028_DF_PB	1.00	solvent blank	MDC	952-882	28-OCT-2012	18:16:18
13	121028P1-13	8	CS3_121027_DF_PB	1.00	S40-67B	MDC	991-818	28-OCT-2012	19:07:18

REVIEWED

By Michael D H Chu at 2:18 pm, Oct 29, 2012

REVIEWED

By Tamara_Morgan at 1:56 pm, 10/31/12

Dioxin/Furan QC Summary		Acq'd: 28 Oct 2012 08:54 MDC			ICAL: 1613_SGS		
Lab ID: CS3_121027_DF_PA		UTP: 29-Oct-2012 12:22 MDC			Checkcode: 766-081-YQS		
Sample ID: S40-67B		Report: 29 Oct 2012 13:40 MC			Datafile: 121028P1-01		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.53	6.41E+06	0.80	Y	1.08	1.13	5%
12378-PeCDD	33.85	2.13E+07	1.56	Y	1.07	1.02	-5%
123478-HxCDD	38.49	1.92E+07	1.24	Y	1.05	1.04	-1%
123678-HxCDD	38.63	2.16E+07	1.25	Y	0.98	0.98	0%
123789-HxCDD	38.98	1.97E+07	1.26	Y	1.01	0.97	-3%
1234678-HpCDD	42.66	1.56E+07	1.05	Y	1.09	1.03	-6%
OCDD	46.42	2.33E+07	0.90	Y	1.11	1.02	-8%
2378-TCDF	26.53	9.37E+06	0.78	Y	0.98	0.96	-2%
12378-PeCDF	32.12	3.72E+07	1.53	Y	0.99	0.98	-1%
23478-PeCDF	33.44	3.76E+07	1.50	Y	1.02	1.00	-1%
123478-HxCDF	37.33	3.01E+07	1.23	Y	1.19	1.15	-3%
123678-HxCDF	37.49	3.32E+07	1.24	Y	1.16	1.13	-2%
234678-HxCDF	38.28	3.35E+07	1.24	Y	1.18	1.22	4%
123789-HxCDF	39.40	2.51E+07	1.25	Y	1.09	1.10	1%
1234678-HpCDF	41.39	2.79E+07	1.03	Y	1.35	1.38	2%
1234789-HpCDF	43.28	2.15E+07	1.04	Y	1.34	1.33	0%
OCDF	46.67	3.12E+07	0.91	Y	1.40	1.36	-2%
ES 2378-TCDD	27.50	5.67E+07	0.79	Y	1.04	0.98	-6%
ES 12378-PeCDD	33.83	4.19E+07	1.59	Y	0.87	0.72	-16%
ES 123478-HxCDD	38.48	3.70E+07	1.30	Y	0.94	1.00	6%
ES 123678-HxCDD	38.61	4.39E+07	1.25	Y	1.06	1.19	12%
ES 1234678-HpCDD	42.65	3.04E+07	1.04	Y	0.80	0.82	3%
ES OCDD	46.40	4.58E+07	0.89	Y	0.63	0.62	-2%
ES 2378-TCDF	26.50	9.77E+07	0.79	Y	1.74	1.69	-3%
ES 12378-PeCDF	32.10	7.58E+07	1.56	Y	1.49	1.31	-12%
ES 23478-PeCDF	33.41	7.51E+07	1.58	Y	1.48	1.30	-12%
ES 123478-HxCDF	37.31	5.24E+07	0.51	Y	1.27	1.42	11%
ES 123678-HxCDF	37.47	5.87E+07	0.52	Y	1.41	1.59	12%
ES 234678-HxCDF	38.26	5.50E+07	0.53	Y	1.34	1.49	11%
ES 123789-HxCDF	39.38	4.58E+07	0.53	Y	1.20	1.24	3%
ES 1234678-HpCDF	41.37	4.05E+07	0.45	Y	1.06	1.10	3%
ES 1234789-HpCDF	43.26	3.23E+07	0.45	Y	0.82	0.87	6%

Dioxin/Furan QC Summary	Acq'd: 28 Oct 2012 08:54 MDC	ICAL: 1613_SGS
Lab ID: CS3_121027_DF_PA	UTP: 29-Oct-2012 12:22 MDC	Checkcode: 766-081
Sample ID: S40-67B	Report: 29 Oct 2012 13:40 MC	Datafile: 121028P1-01

Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.75	5.78E+07	0.80	Y	-	-	-
JS 123789-HxCDD	38.96	3.70E+07	1.26	Y	-	-	-
CS 37C1-2378-TCDD	27.53	6.24E+06	n/a	-	1.17	1.08	-8%
SS 37C1-2378-TCDD	27.53	6.24E+06	n/a	-	1.12	1.10	-2%

Dioxin/Furan QC Summary		Acq'd: 28 Oct 2012 19:07 MDC			ICAL: 1613_SGS		
Lab ID: CS3_121027_DF_PB		UTP: 29-Oct-2012 12:22 MDC			Checkcode: 991-818-JZN		
Sample ID: S40-67B		Report: 29 Oct 2012 13:40 MC			Datafile: 121028P1-13		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.53	5.92E+06	0.79	Y	1.08	1.10	2%
12378-PeCDD	33.85	1.96E+07	1.59	Y	1.07	1.00	-7%
123478-HxCDD	38.49	1.73E+07	1.26	Y	1.05	1.07	2%
123678-HxCDD	38.62	1.98E+07	1.27	Y	0.98	0.95	-3%
123789-HxCDD	38.97	1.77E+07	1.26	Y	1.01	0.96	-5%
1234678-HpCDD	42.66	1.40E+07	1.04	Y	1.09	1.07	-2%
OCDD	46.41	2.04E+07	0.90	Y	1.11	1.04	-6%
2378-TCDF	26.53	8.88E+06	0.78	Y	0.98	0.96	-1%
12378-PeCDF	32.11	3.44E+07	1.51	Y	0.99	0.99	0%
23478-PeCDF	33.43	3.45E+07	1.49	Y	1.02	1.00	-1%
123478-HxCDF	37.32	2.72E+07	1.24	Y	1.19	1.15	-4%
123678-HxCDF	37.49	3.07E+07	1.24	Y	1.16	1.12	-3%
234678-HxCDF	38.27	2.98E+07	1.24	Y	1.18	1.18	0%
123789-HxCDF	39.40	2.24E+07	1.25	Y	1.09	1.05	-4%
1234678-HpCDF	41.38	2.58E+07	1.03	Y	1.35	1.36	1%
1234789-HpCDF	43.27	1.88E+07	1.03	Y	1.34	1.35	1%
OCDF	46.66	2.61E+07	0.90	Y	1.40	1.34	-4%
ES 2378-TCDD	27.51	5.36E+07	0.81	Y	1.04	1.00	-4%
ES 12378-PeCDD	33.83	3.91E+07	1.61	Y	0.87	0.73	-16%
ES 123478-HxCDD	38.47	3.23E+07	1.27	Y	0.94	0.91	-4%
ES 123678-HxCDD	38.60	4.15E+07	1.26	Y	1.06	1.17	10%
ES 1234678-HpCDD	42.64	2.62E+07	1.06	Y	0.80	0.73	-8%
ES OCDD	46.39	3.91E+07	0.89	Y	0.63	0.55	-13%
ES 2378-TCDF	26.50	9.23E+07	0.78	Y	1.74	1.71	-1%
ES 12378-PeCDF	32.09	6.94E+07	1.56	Y	1.49	1.29	-14%
ES 23478-PeCDF	33.41	6.89E+07	1.56	Y	1.48	1.28	-14%
ES 123478-HxCDF	37.30	4.74E+07	0.52	Y	1.27	1.33	5%
ES 123678-HxCDF	37.47	5.47E+07	0.53	Y	1.41	1.54	9%
ES 234678-HxCDF	38.26	5.07E+07	0.53	Y	1.34	1.42	6%
ES 123789-HxCDF	39.38	4.28E+07	0.53	Y	1.20	1.20	0%
ES 1234678-HpCDF	41.37	3.78E+07	0.44	Y	1.06	1.06	0%
ES 1234789-HpCDF	43.26	2.79E+07	0.45	Y	0.82	0.78	-5%

Dioxin/Furan QC Summary	Acq'd: 28 Oct 2012 19:07 MDC	ICAL: 1613_SGS
Lab ID: CS3_121027_DF_PB	UTP: 29-Oct-2012 12:22 MDC	Checkcode: 991-818
Sample ID: S40-67B	Report: 29 Oct 2012 13:40 MC	Datafile: 121028P1-13

Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n	
JS 1234-TCDD	26.75	5.38E+07	0.82	Y	-	-	-	
JS 123789-HxCDD	38.96	3.56E+07	1.26	Y	-	-	-	
CS 37C1-2378-TCDD	27.53	5.84E+06	n/a	-	1.17	1.09	-7%	
SS 37C1-2378-TCDD	NA	27.53	5.84E+06	n/a	-	1.12	1.09	-3%

METHOD 1613

PCDD/F CALIBRATION VERIFICATION

FORM 4A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: 1613_SGS
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 121028P1-01 Analysis Date: 28-OCT-2012 08:54:08

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.80	0.65 - 0.89	Y	10.5	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.56	1.32 - 1.78	Y	47.4	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.24	1.05 - 1.43	Y	49.6	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.25	1.05 - 1.43	Y	50	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	48.3	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.05	0.88 - 1.20	Y	47.2	43 - 58	Y
OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	91.7	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.78	0.65 - 0.89	Y	9.82	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.53	1.32 - 1.78	Y	49.7	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.50	1.32 - 1.78	Y	49.3	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.23	1.05 - 1.43	Y	48.4	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.24	1.05 - 1.43	Y	48.9	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.24	1.05 - 1.43	Y	51.8	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.25	1.05 - 1.43	Y	50.4	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.03	0.88 - 1.20	Y	50.9	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.04	0.88 - 1.20	Y	49.8	43 - 58	Y
OCDF	M+2/M+4	0.91	0.76 - 1.02	Y	97.7	63 - 159	Y

See Table 9, Method 1613, for m/z specifications.

Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

Contract-required concentration range as specified in Table 6, Method 1613.

Processed: 29 Oct 2012 13:40 Analyst: MC

METHOD 1613

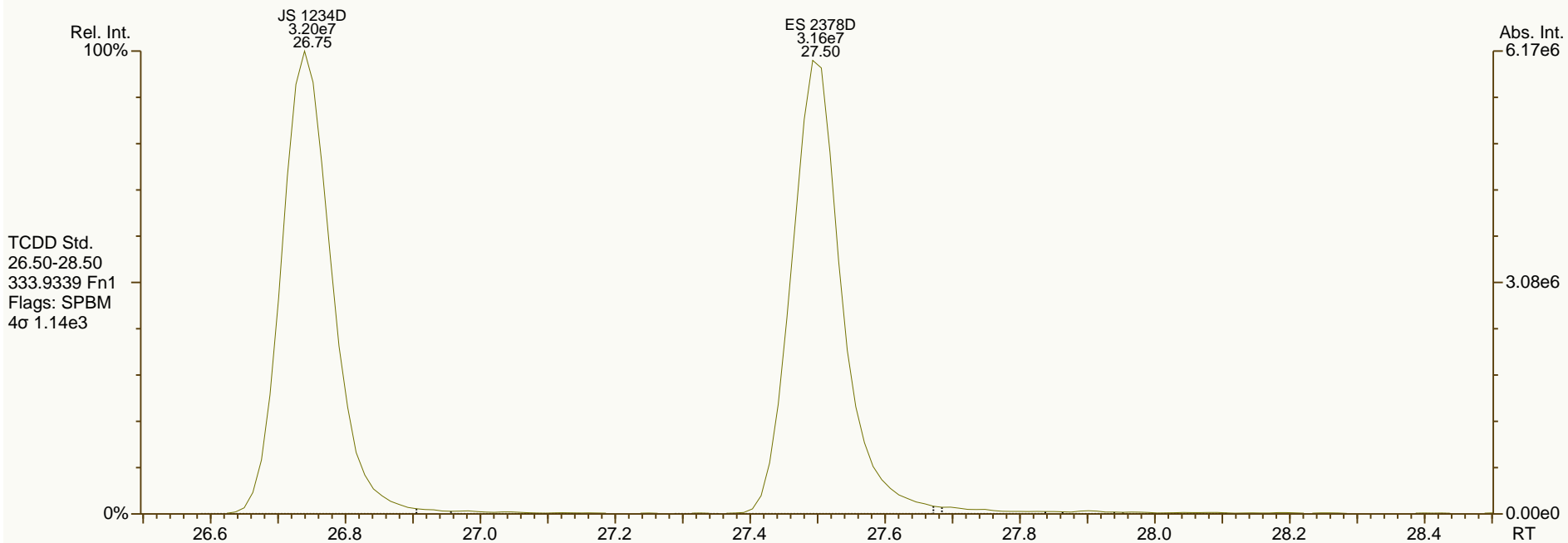
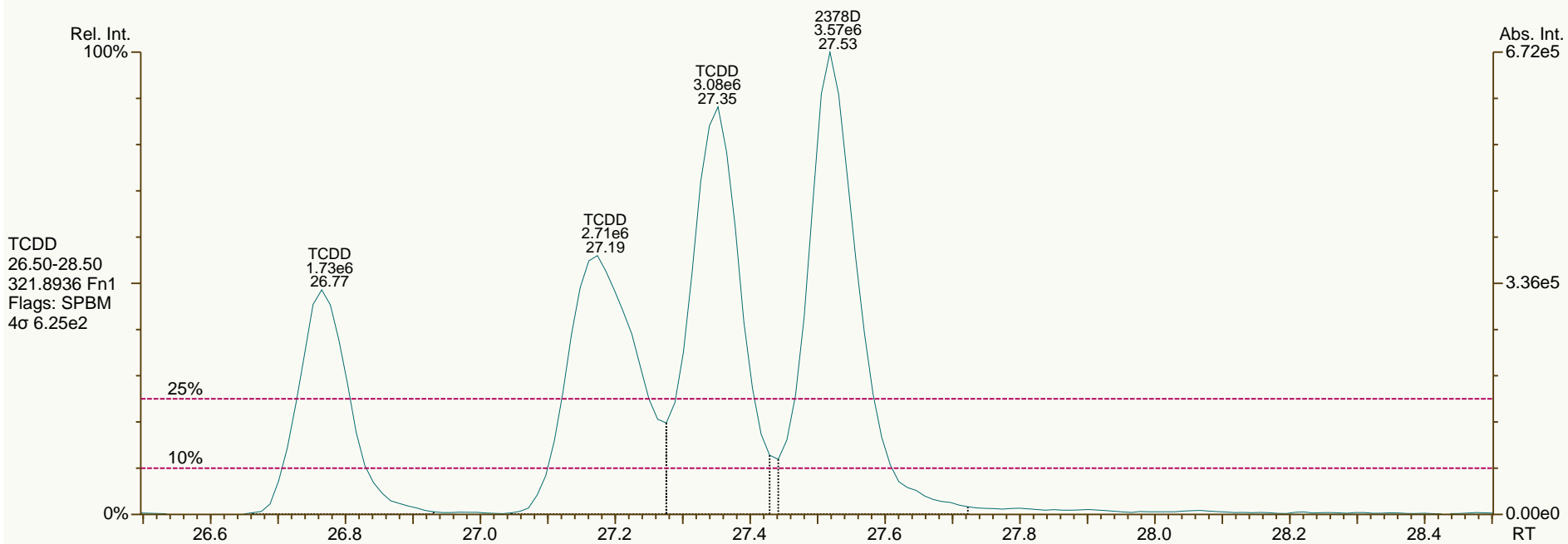
PCDD/F CALIBRATION VERIFICATION

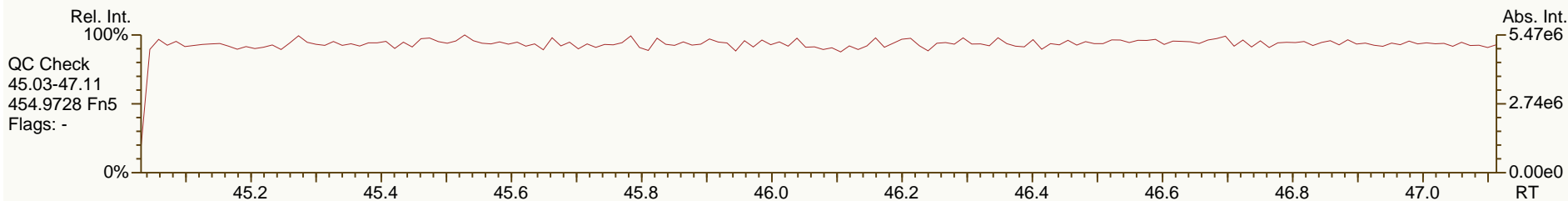
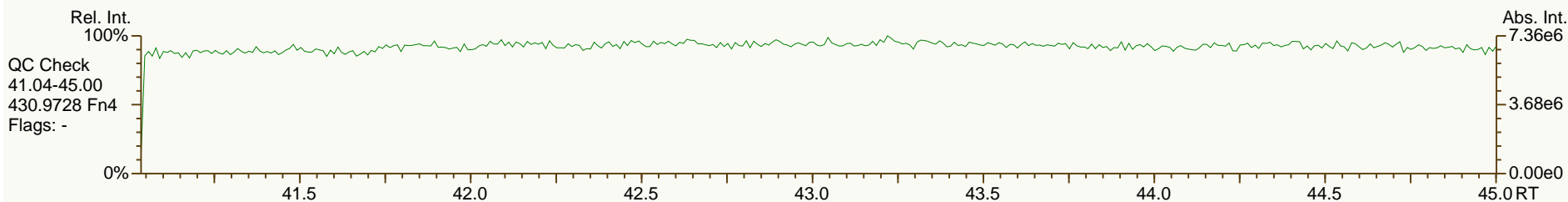
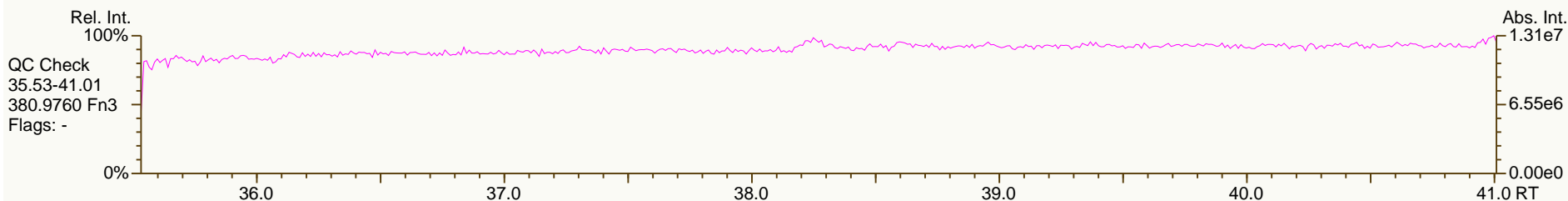
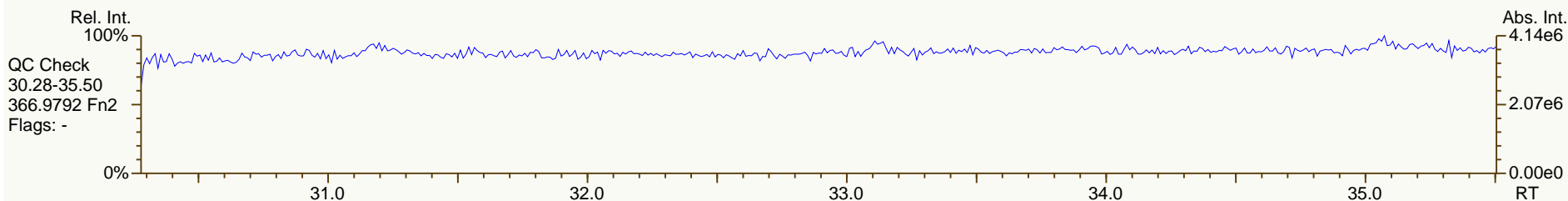
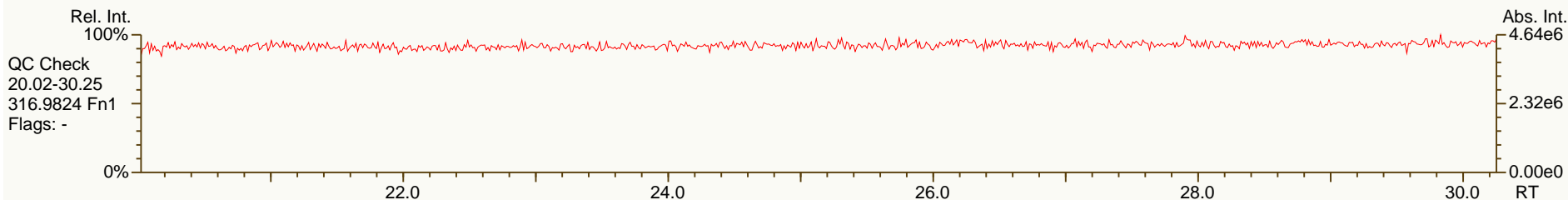
FORM 4B

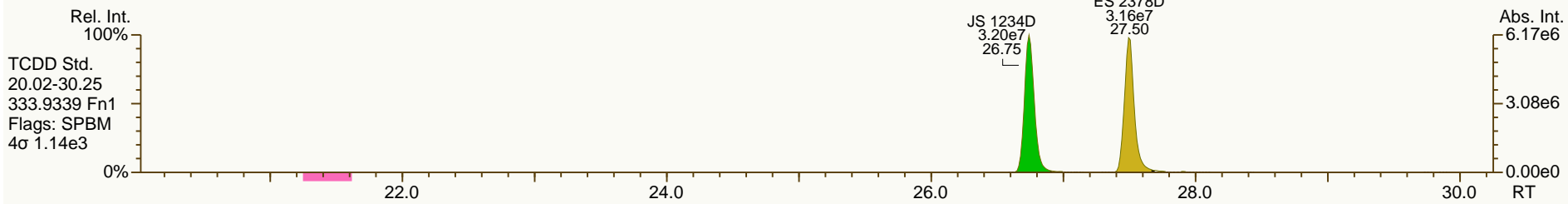
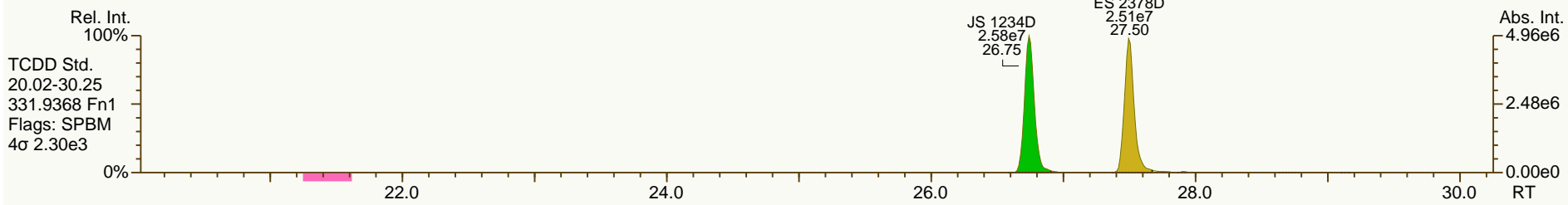
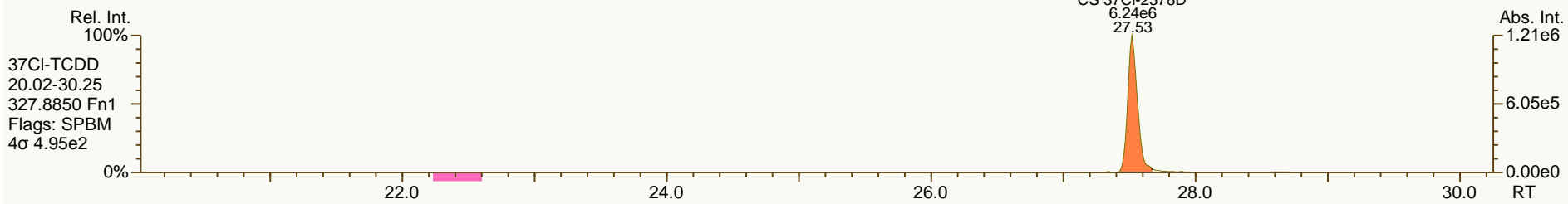
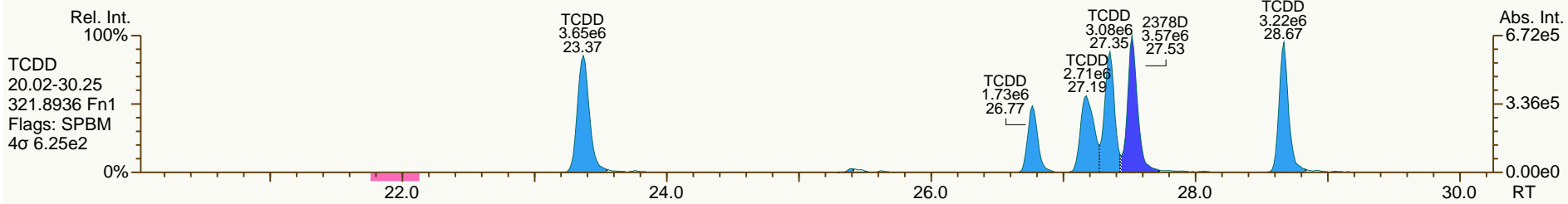
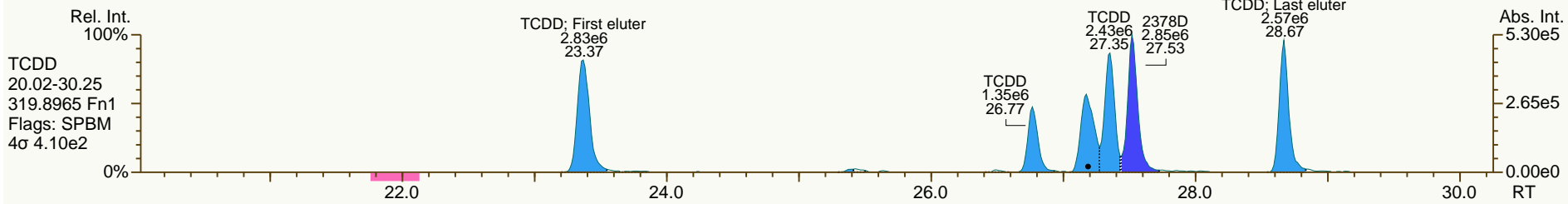
Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: 1613_SGS
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 121028P1-01 Analysis Date: 28-OCT-2012 08:54:08

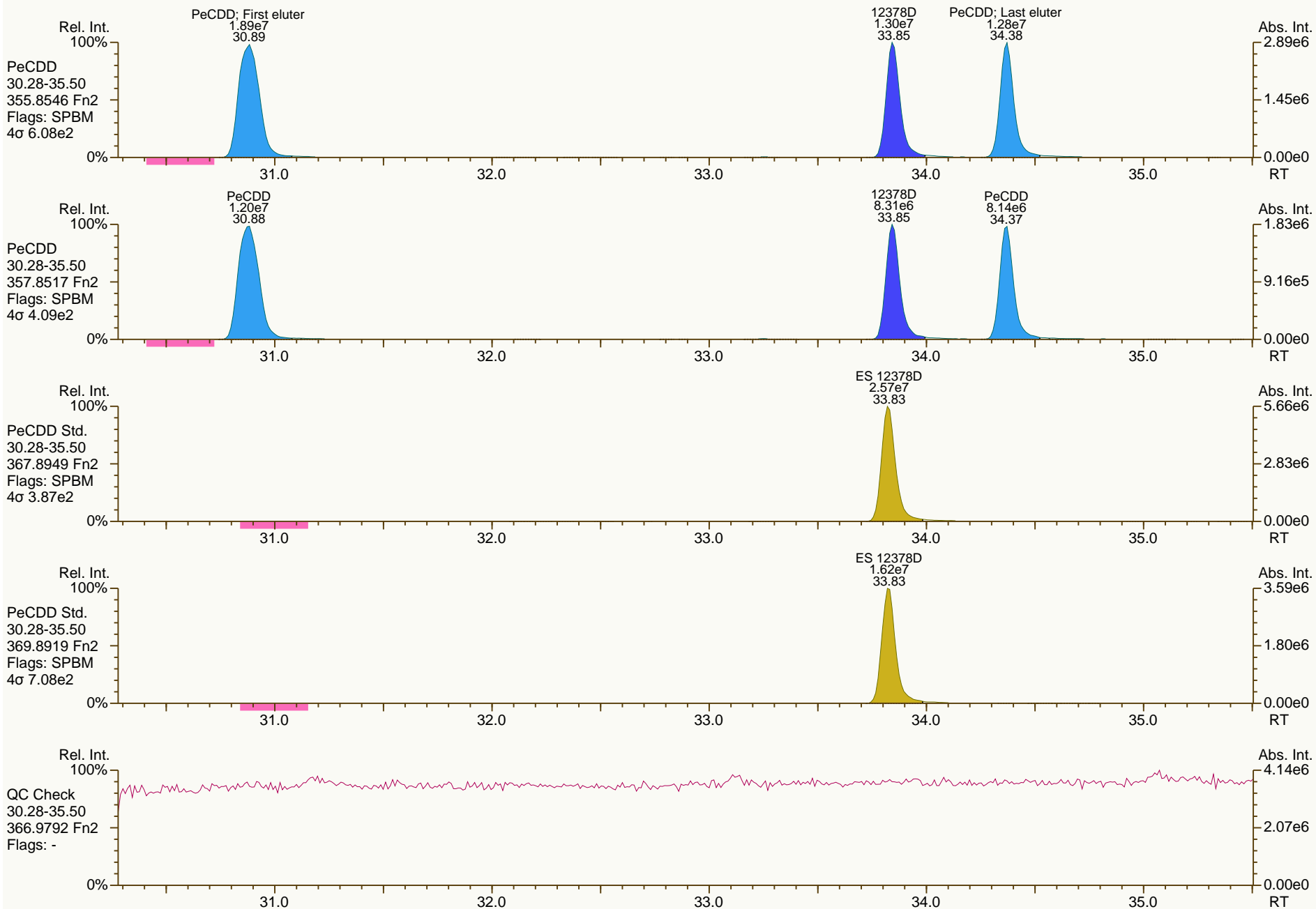
LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.79	0.65 - 0.89	Y	94.1	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.59	1.32 - 1.78	Y	83.5	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.30	1.05 - 1.43	Y	106	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.25	1.05 - 1.43	Y	112	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.04	0.88 - 1.20	Y	103	72 - 138	Y
13C-OCDD	M+2/M+4	0.89	0.76 - 1.02	Y	196	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.79	0.65 - 0.89	Y	97.3	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.56	1.32 - 1.78	Y	87.8	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.58	1.32 - 1.78	Y	87.6	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.51	0.43 - 0.59	Y	111	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	112	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	111	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	103	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	103	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	106	77 - 129	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				9.21	7.9 - 12.7	Y

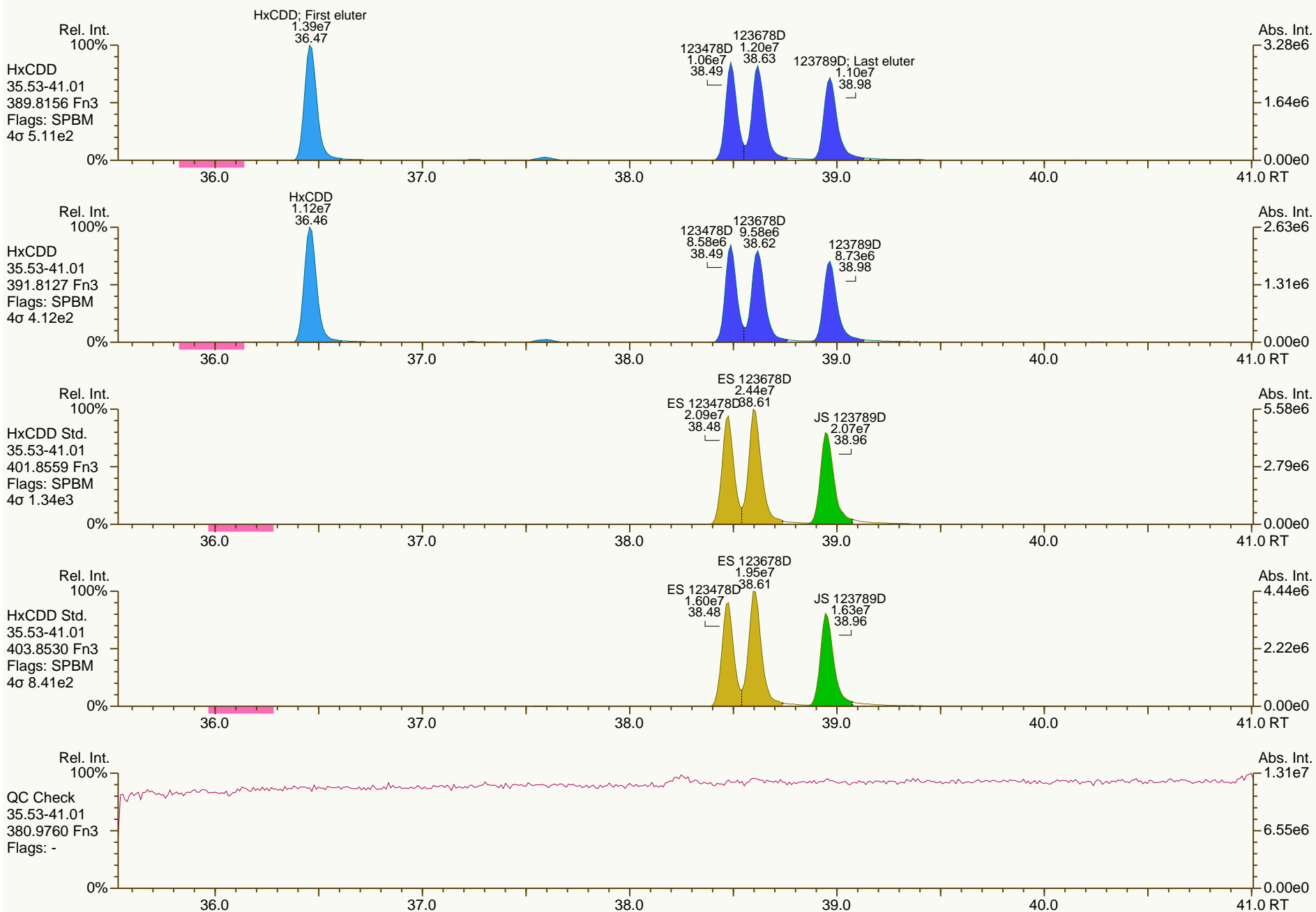
Processed: 29 Oct 2012 13:40 Analyst: MC

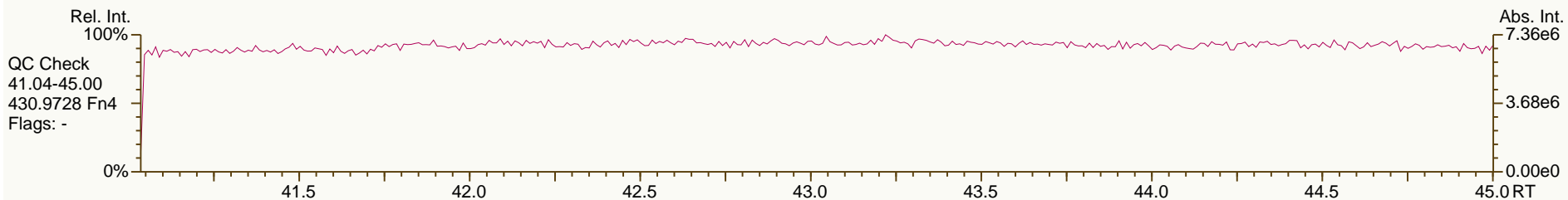
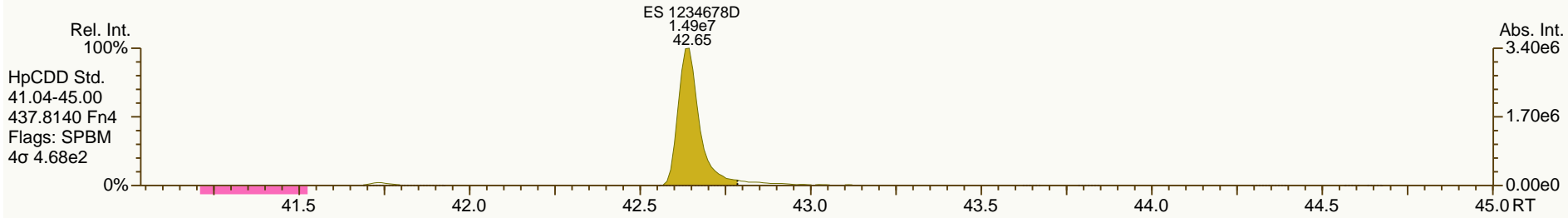
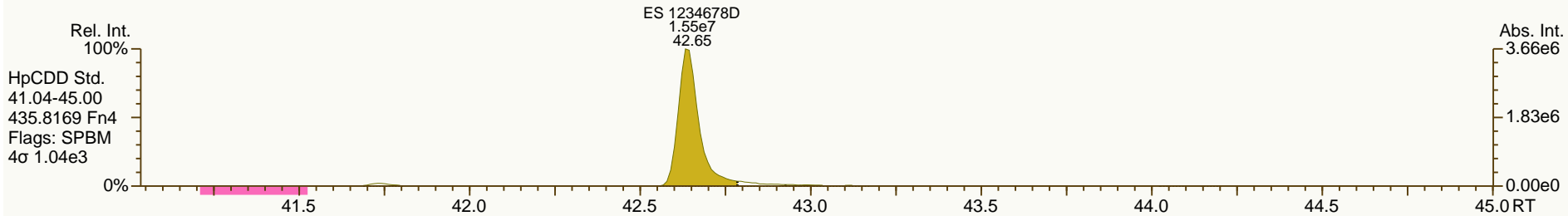
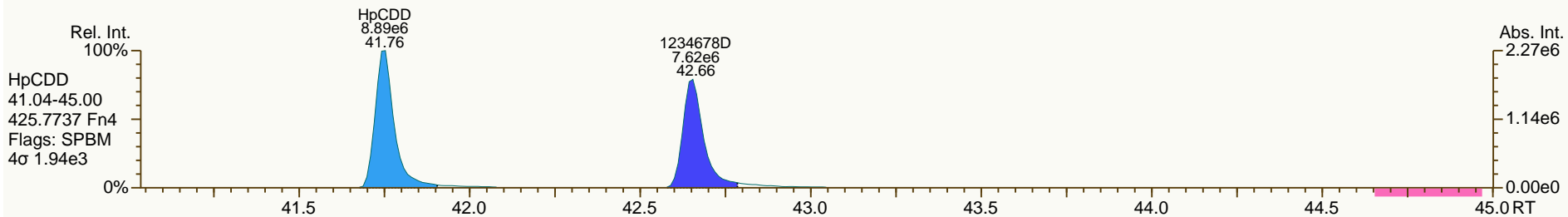
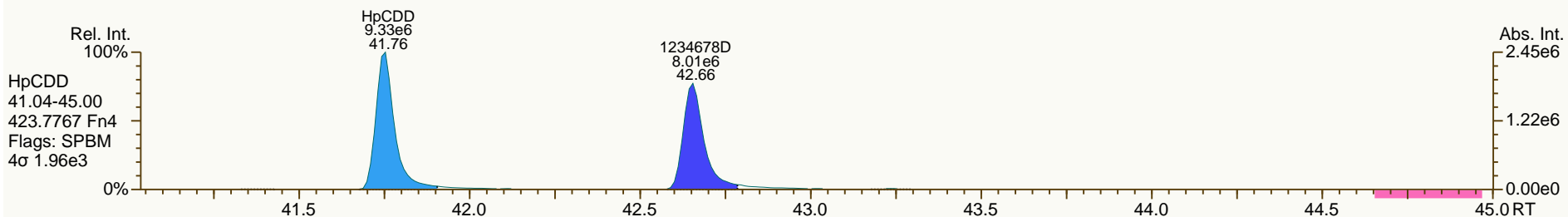


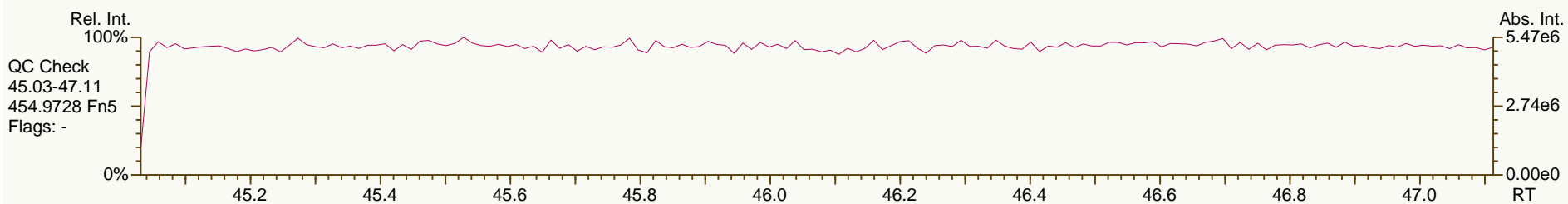
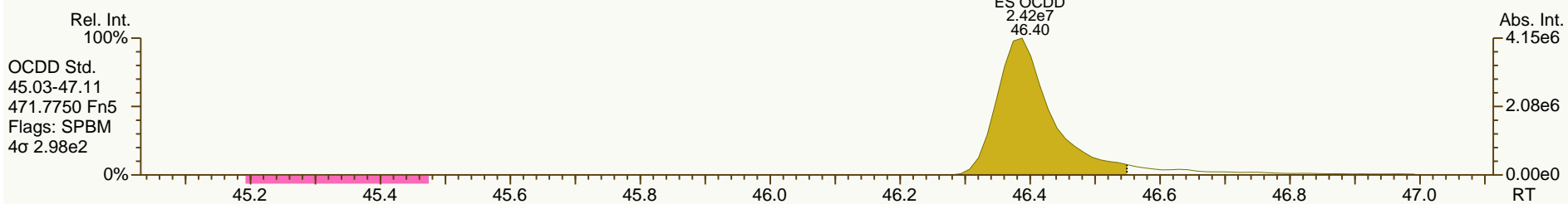
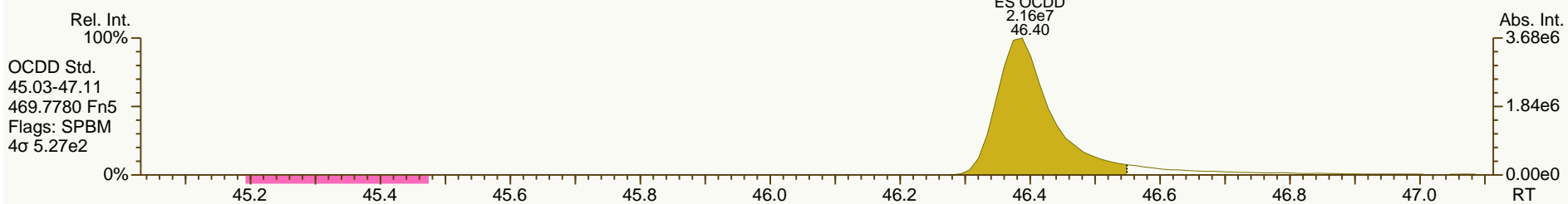
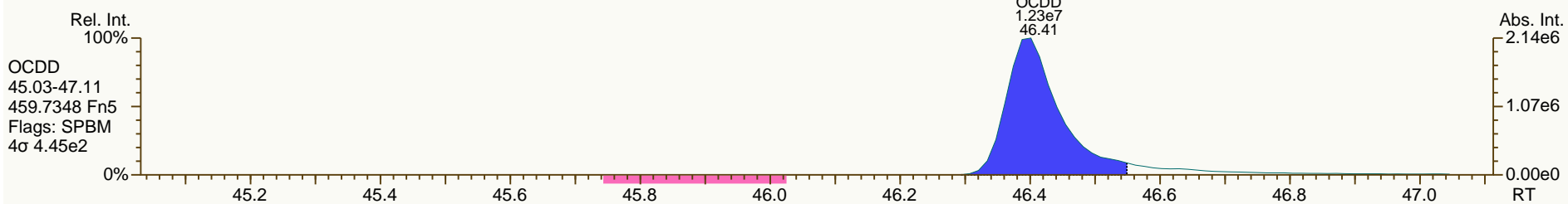
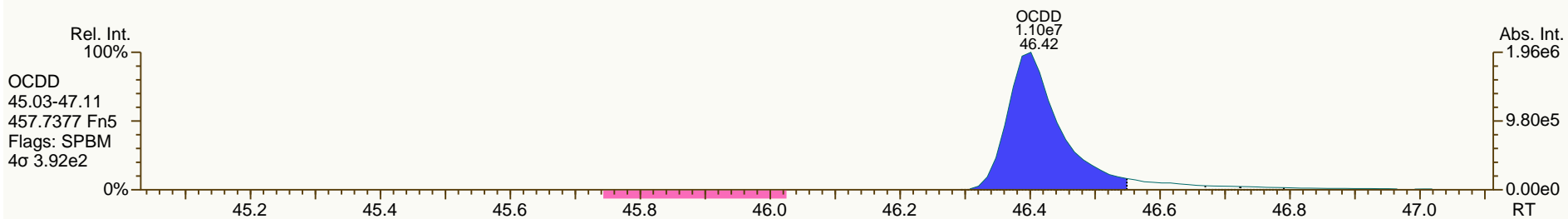


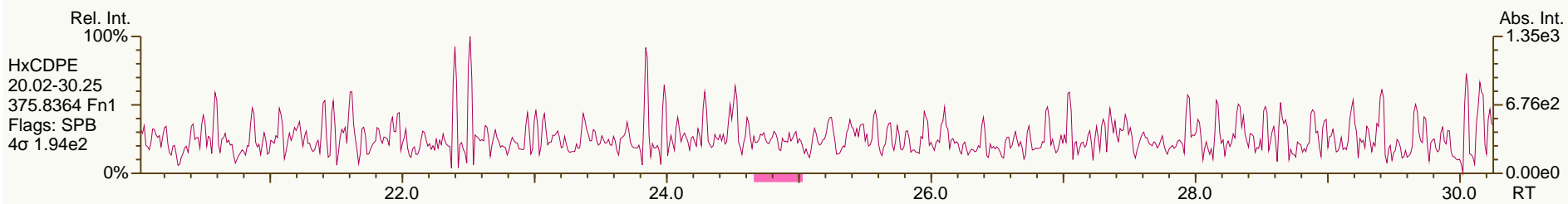
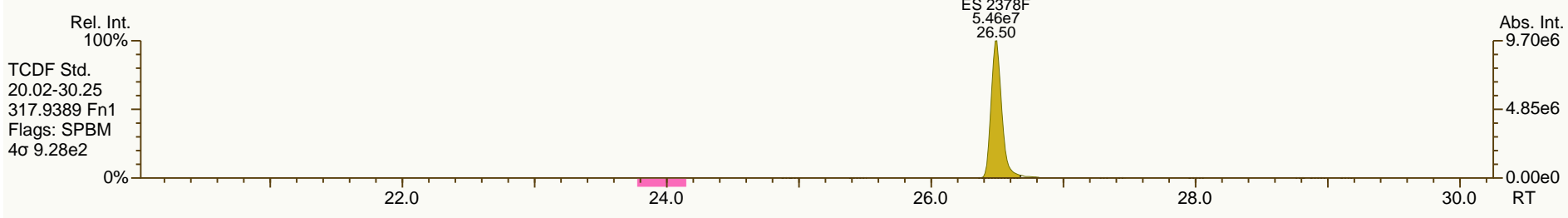
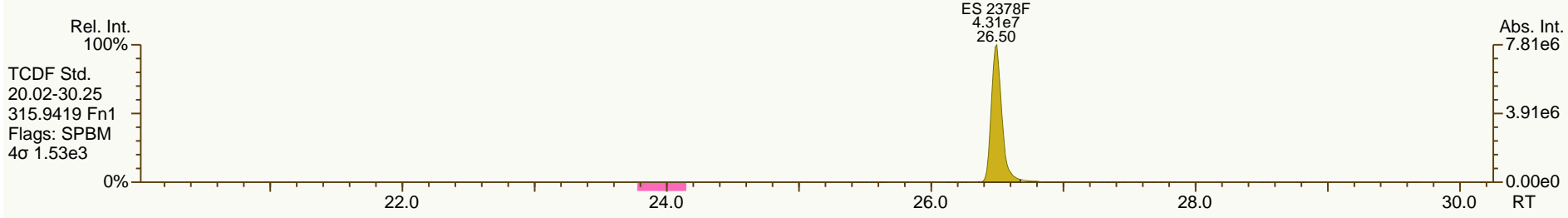
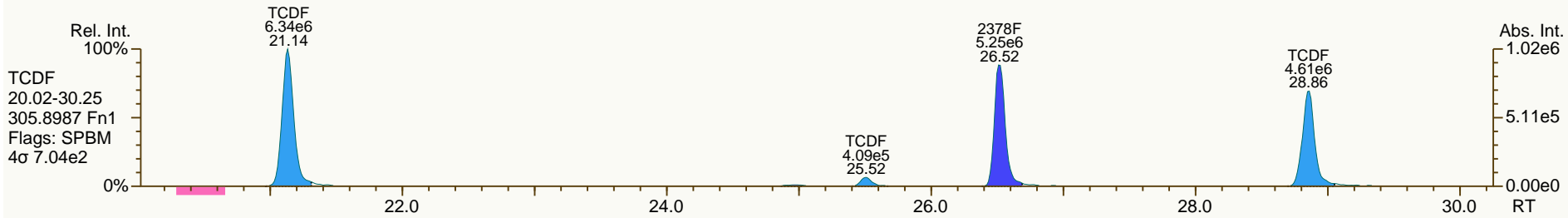
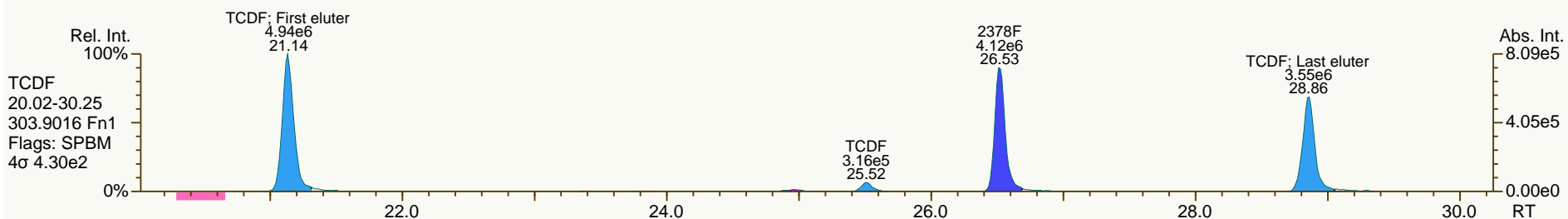


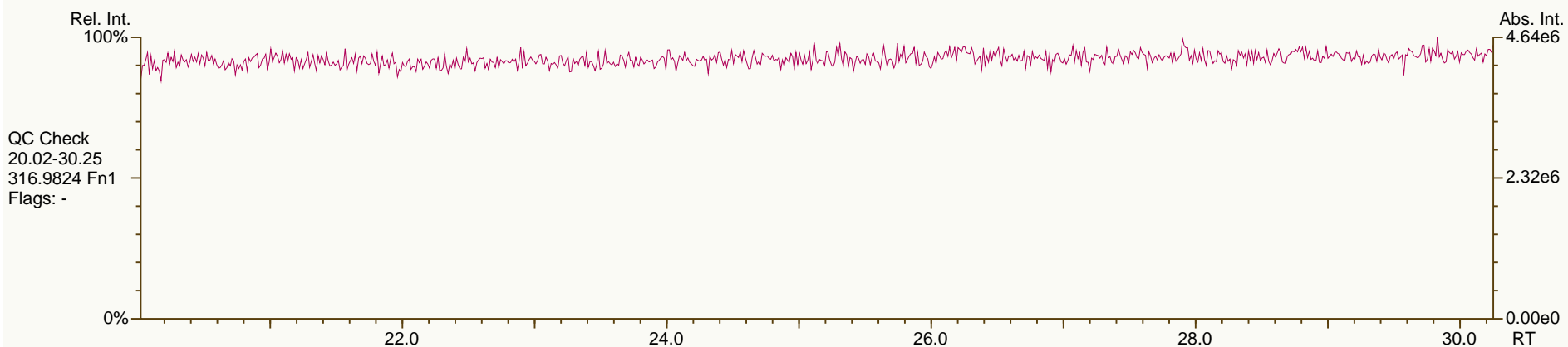
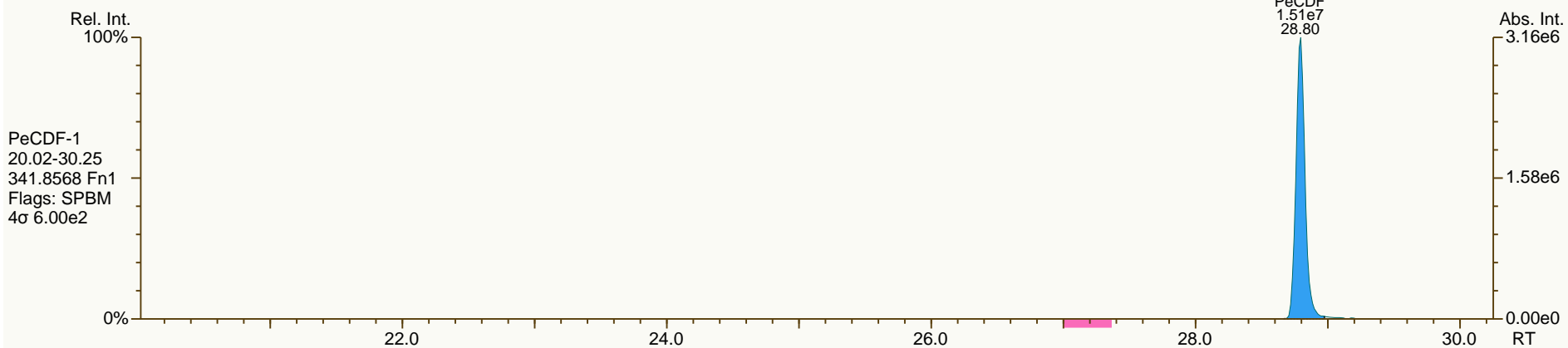
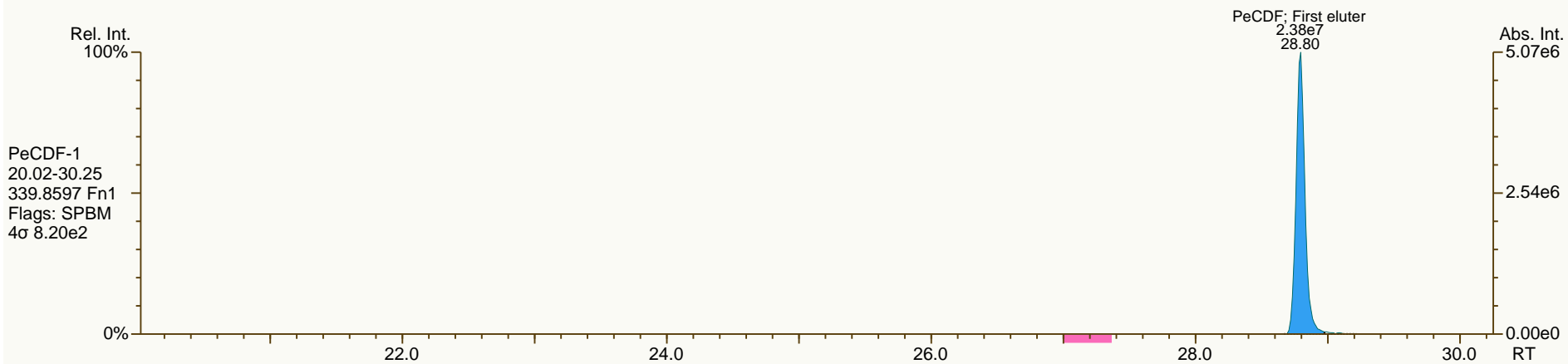


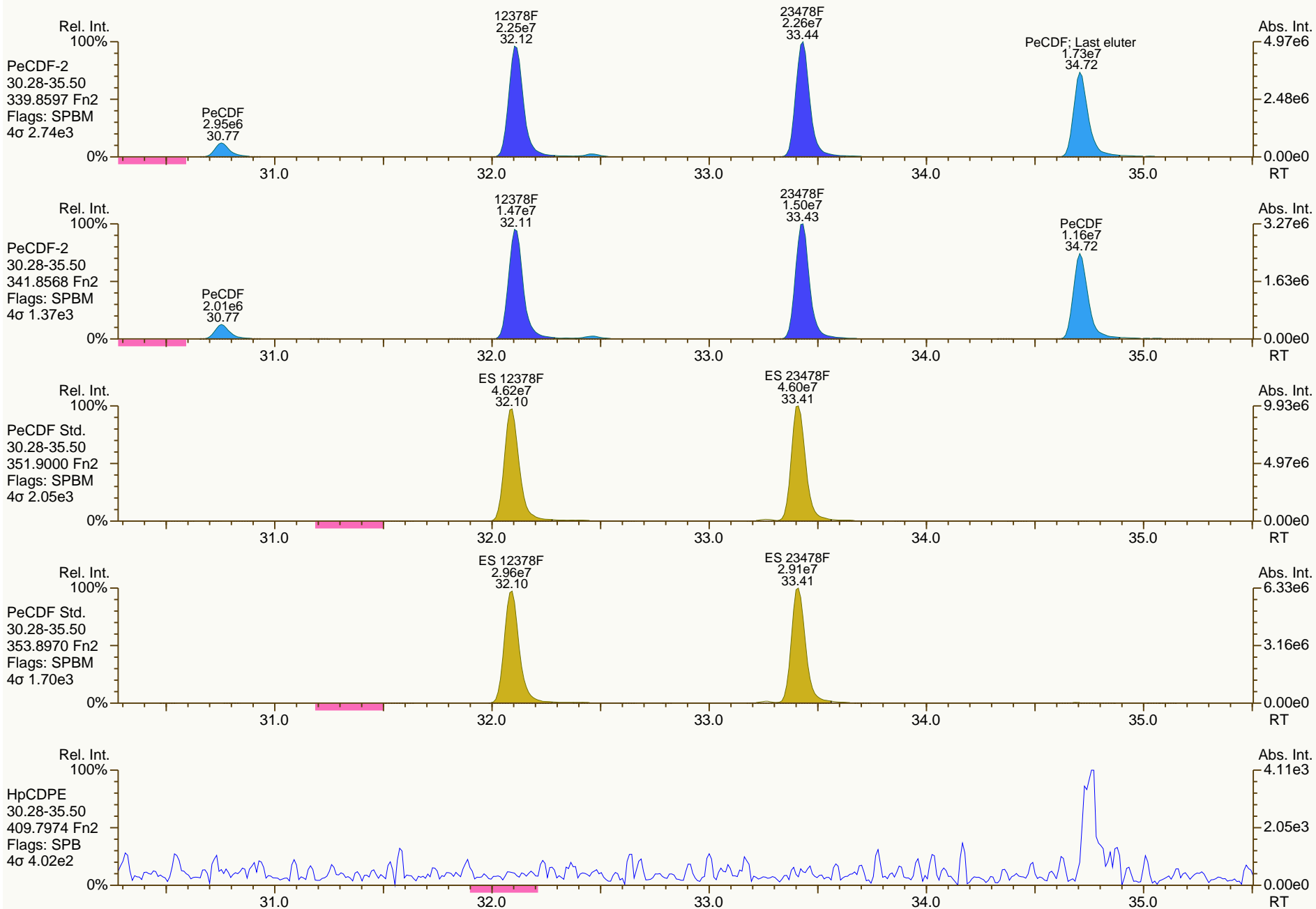


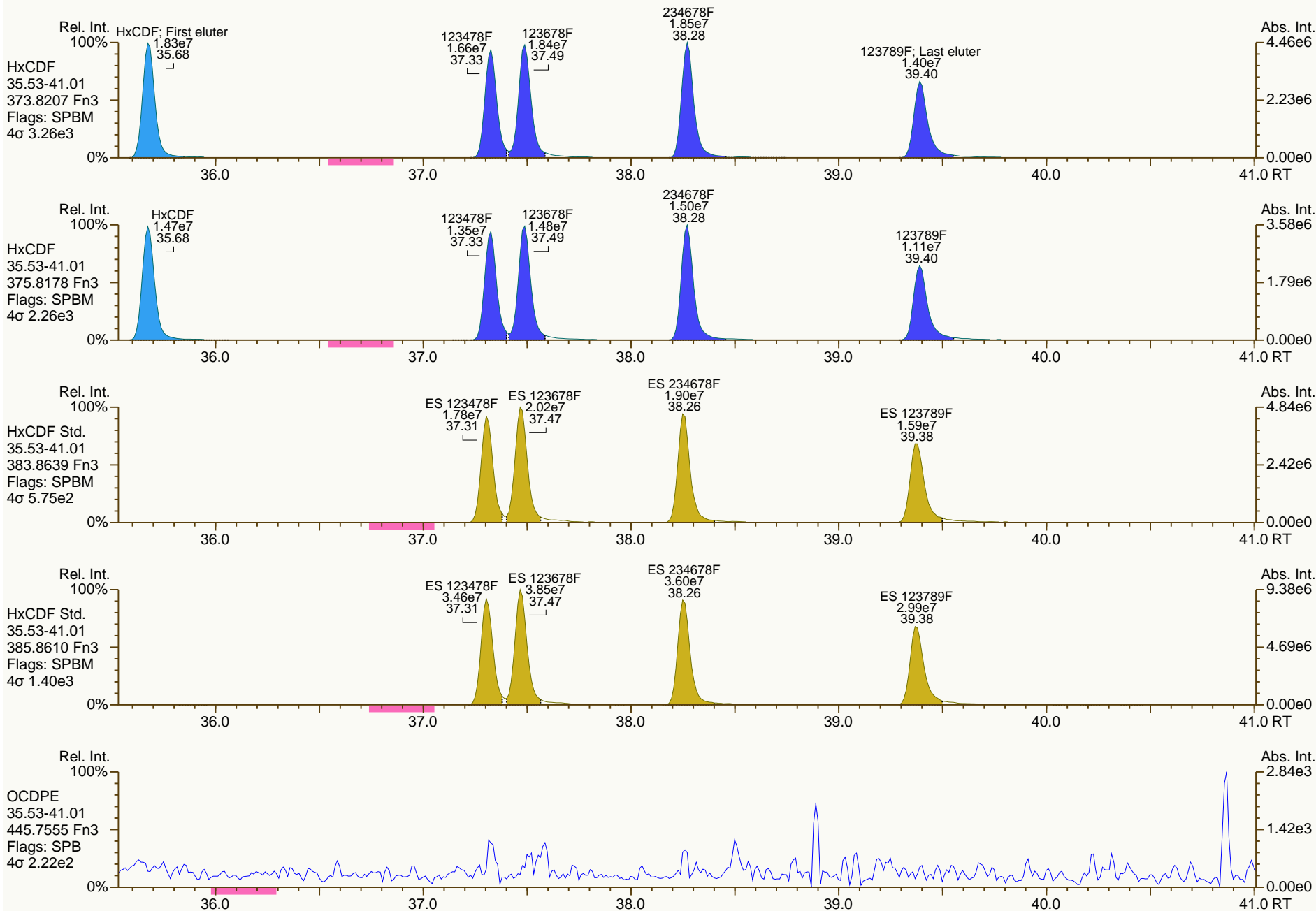


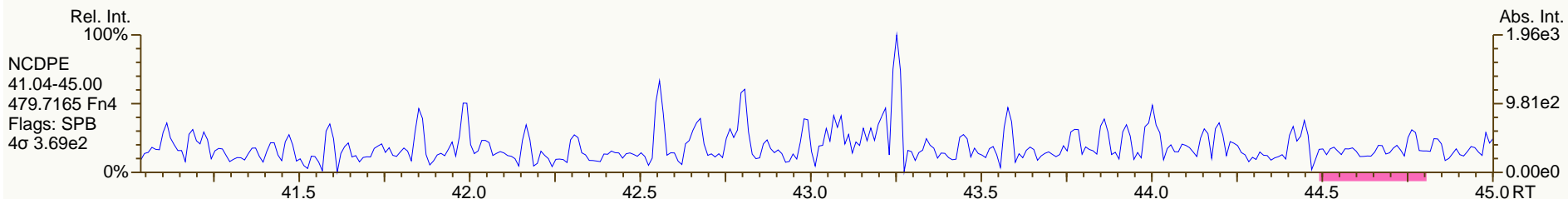
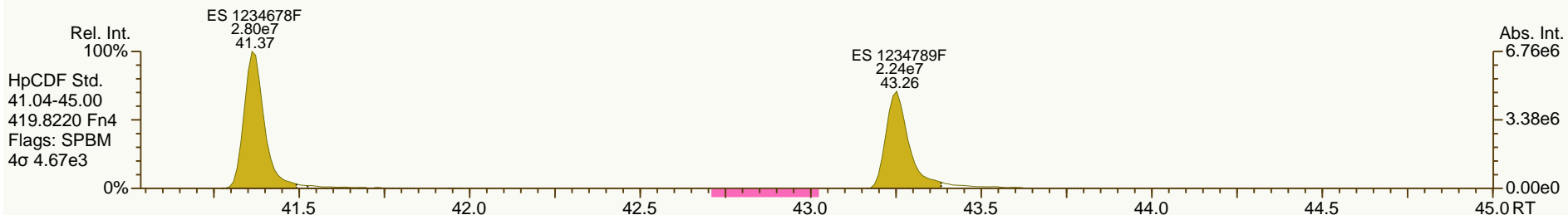
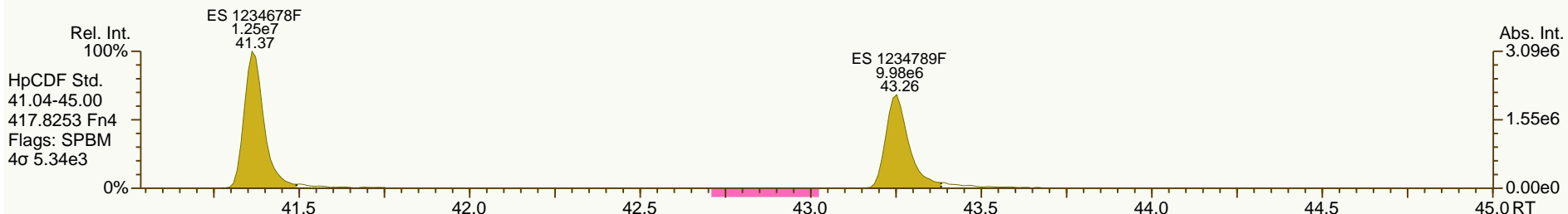
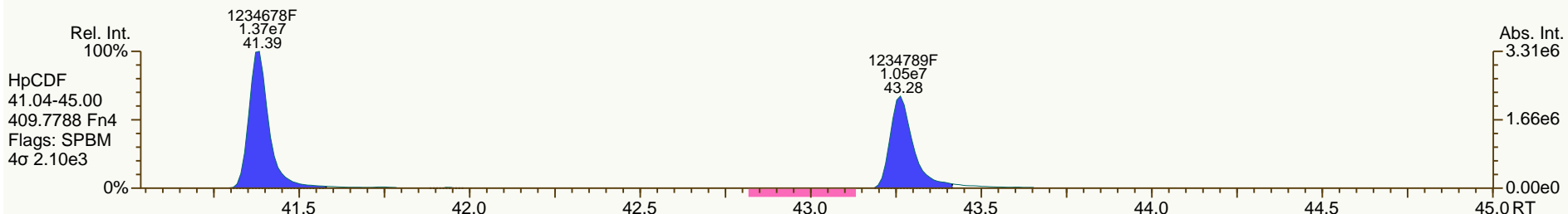
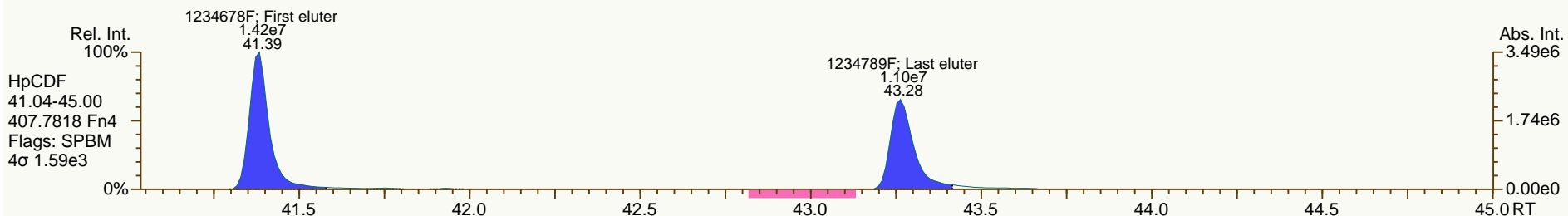


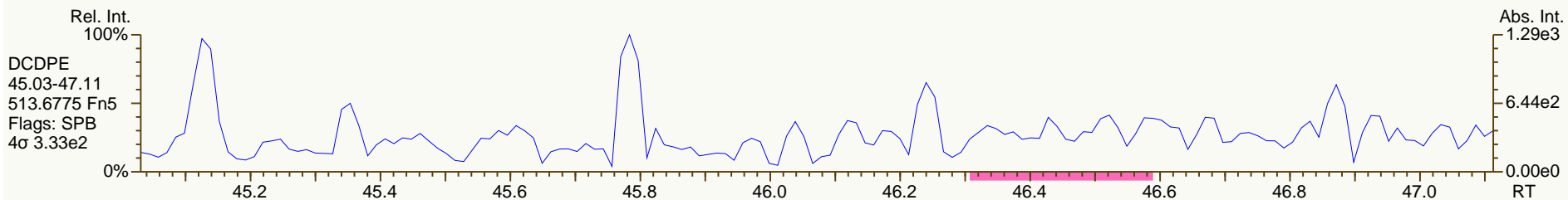
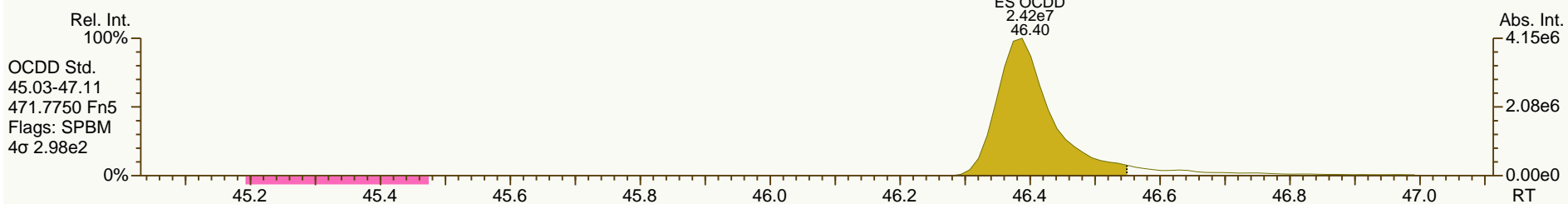
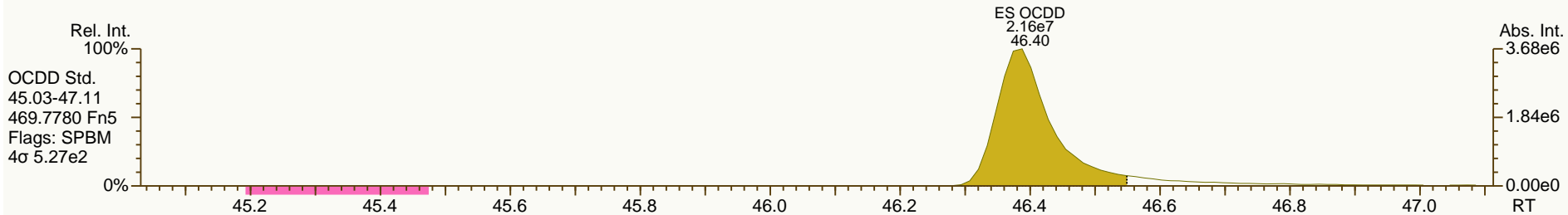
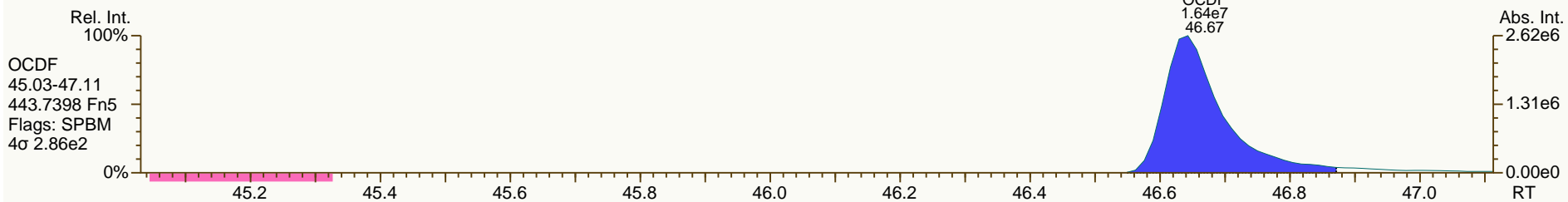
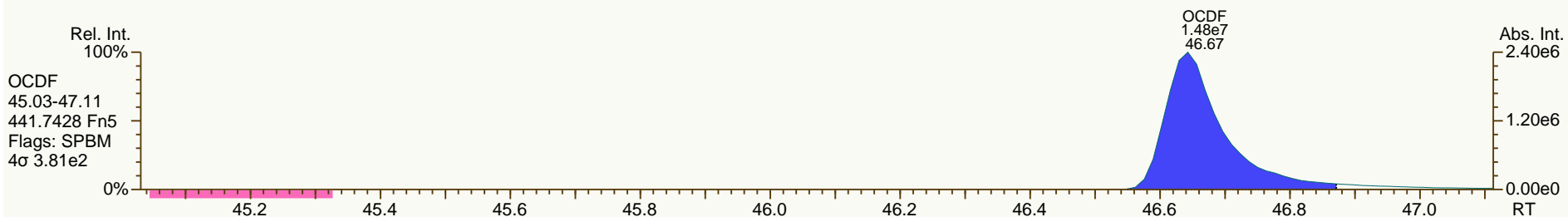












METHOD 1613

PCDD/F CALIBRATION VERIFICATION

FORM 4A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: 1613_SGS
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 121028P1-13 Analysis Date: 28-OCT-2012 19:07:18

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.79	0.65 - 0.89	Y	10.2	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.59	1.32 - 1.78	Y	46.7	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	51.1	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	48.5	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	47.5	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.04	0.88 - 1.20	Y	49.1	43 - 58	Y
OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	94.2	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.78	0.65 - 0.89	Y	9.86	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.51	1.32 - 1.78	Y	50.1	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.49	1.32 - 1.78	Y	49.3	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.24	1.05 - 1.43	Y	48.2	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.24	1.05 - 1.43	Y	48.6	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.24	1.05 - 1.43	Y	50	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.25	1.05 - 1.43	Y	48.1	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.03	0.88 - 1.20	Y	50.4	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.03	0.88 - 1.20	Y	50.5	43 - 58	Y
OCDF	M+2/M+4	0.90	0.76 - 1.02	Y	95.7	63 - 159	Y

See Table 9, Method 1613, for m/z specifications.

Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

Contract-required concentration range as specified in Table 6, Method 1613.

Processed: 29 Oct 2012 13:40 Analyst: MC

METHOD 1613

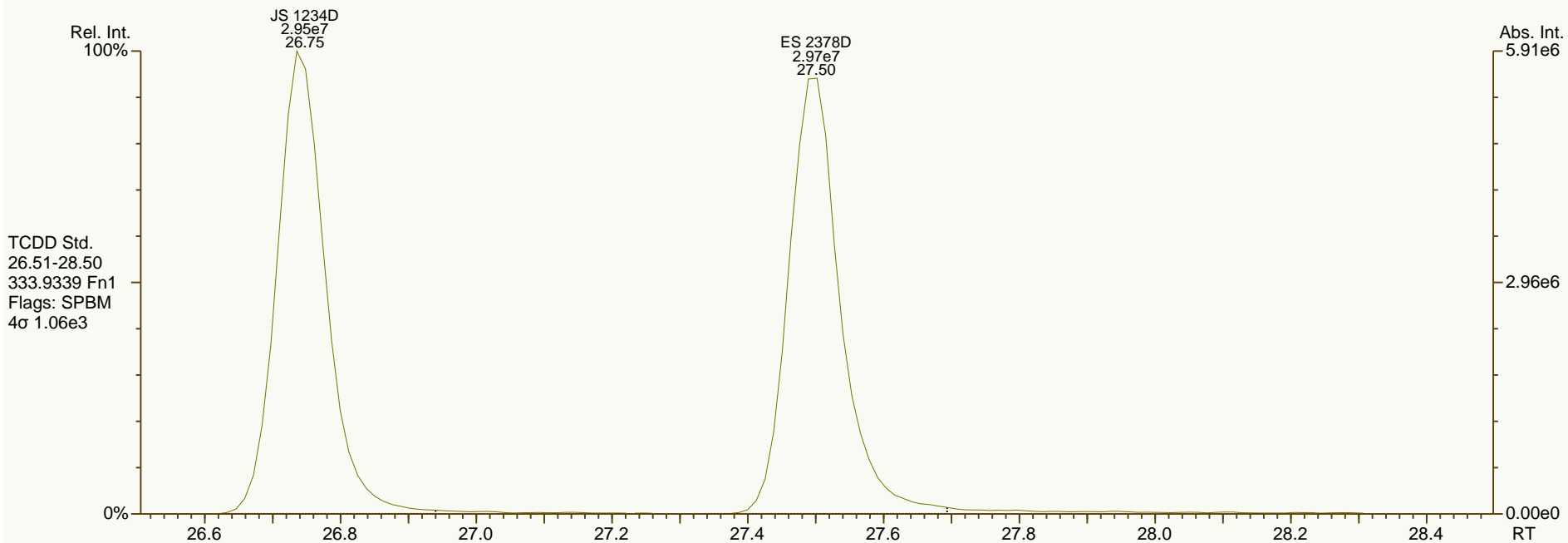
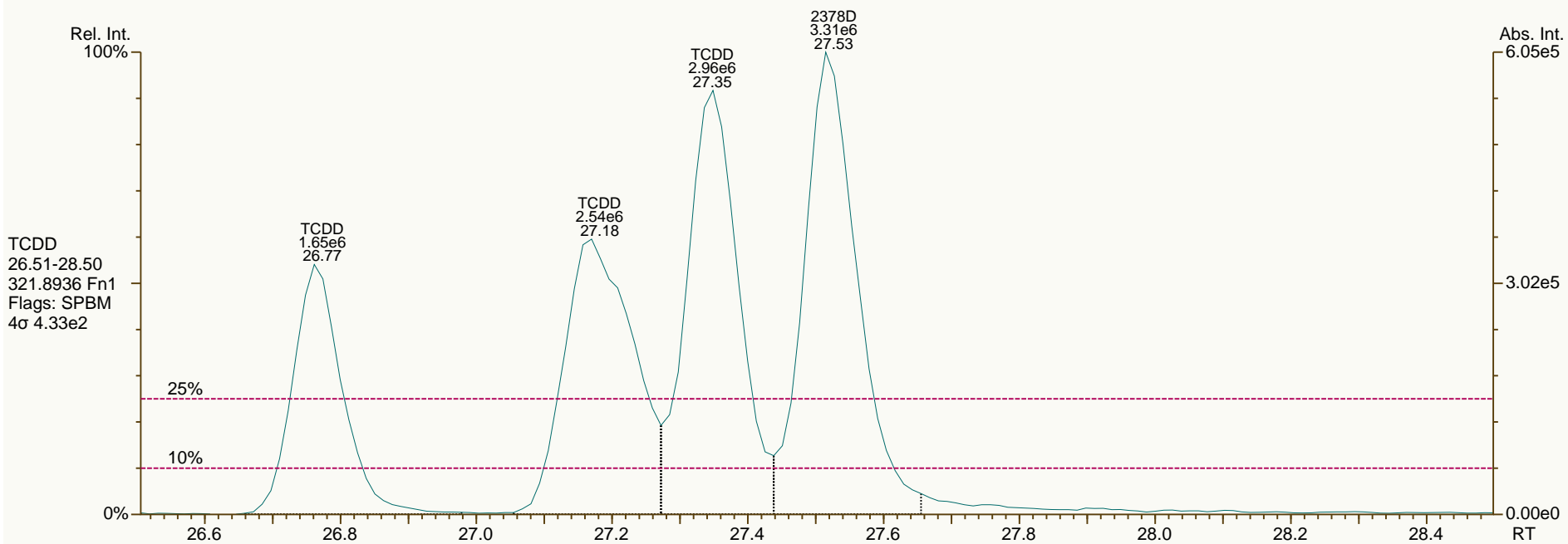
PCDD/F CALIBRATION VERIFICATION

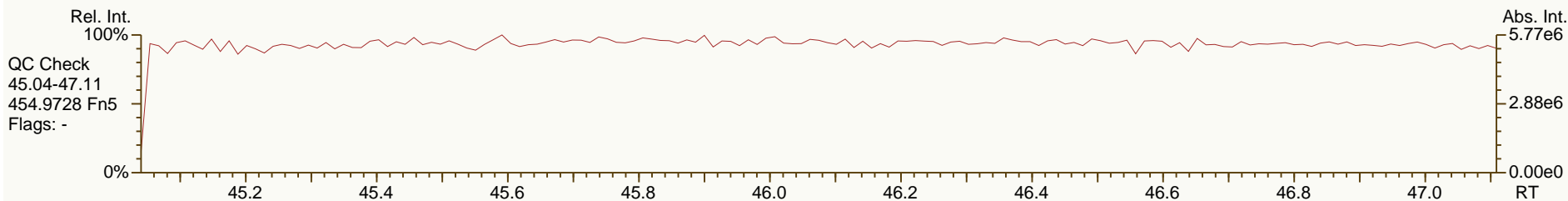
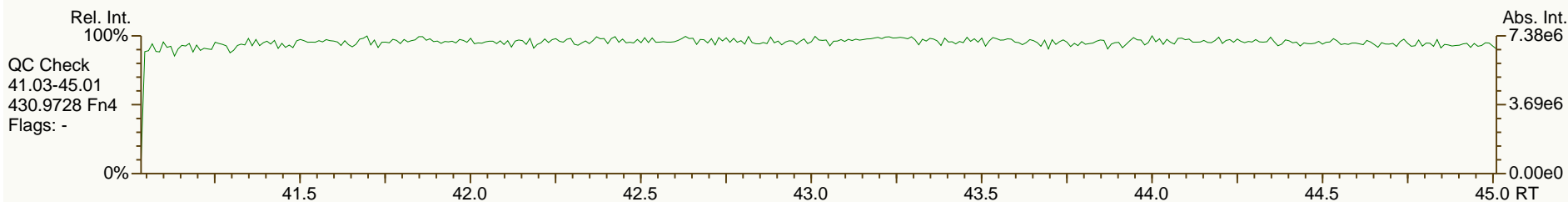
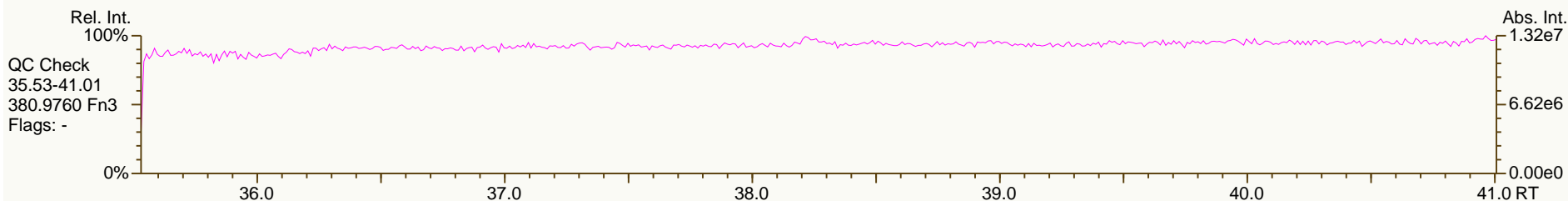
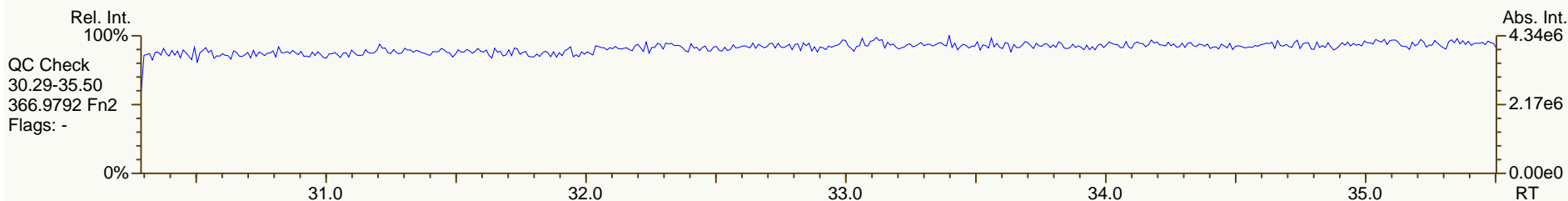
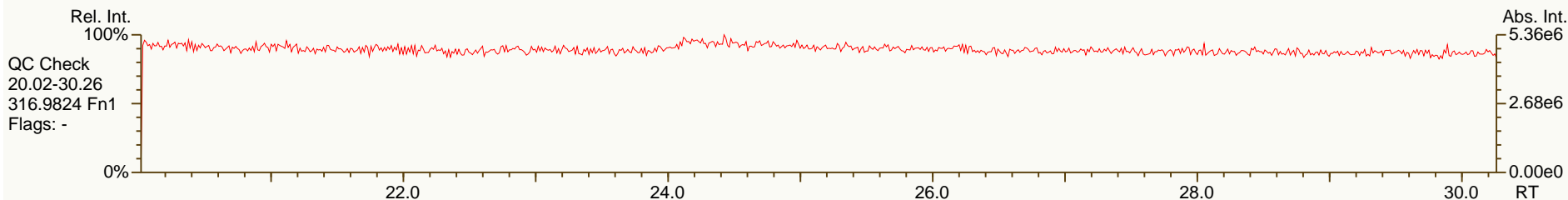
FORM 4B

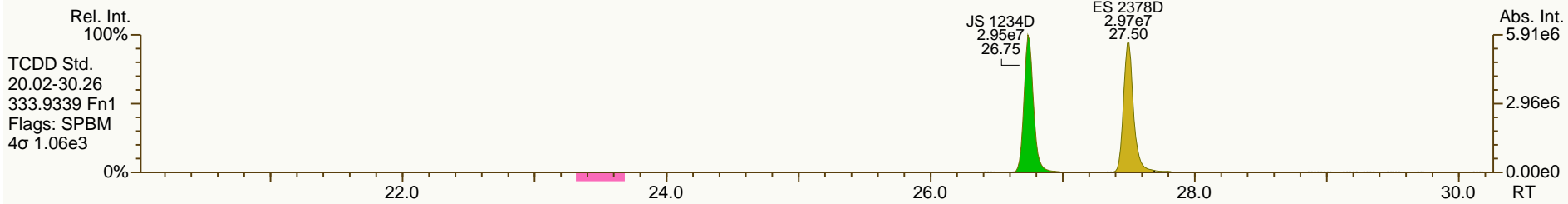
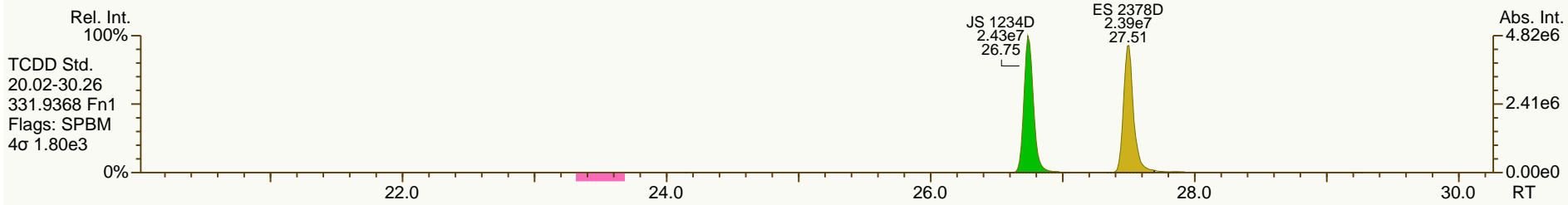
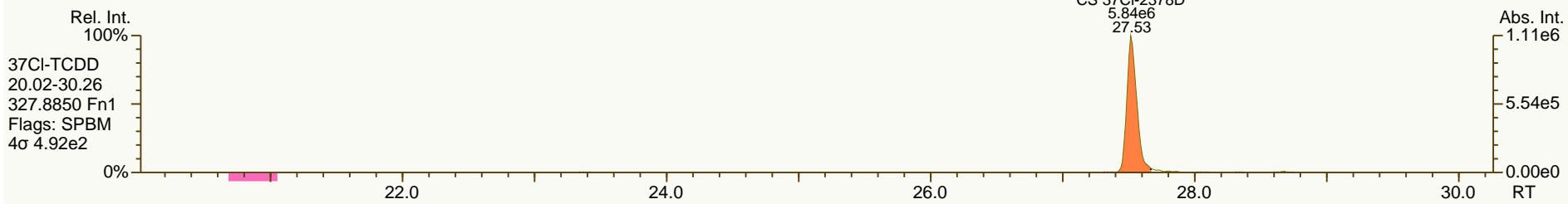
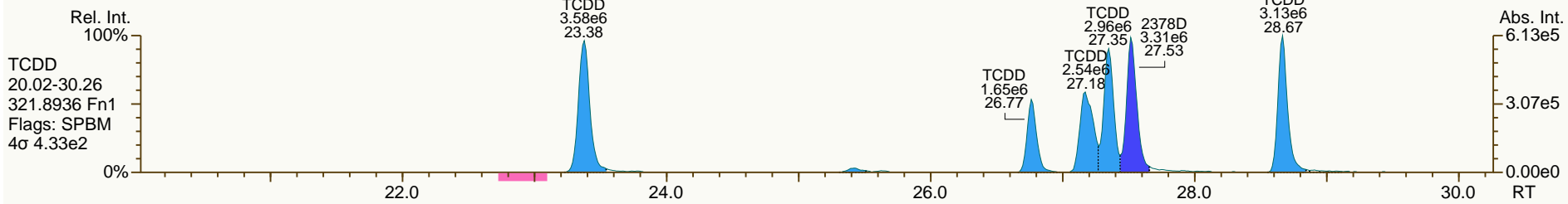
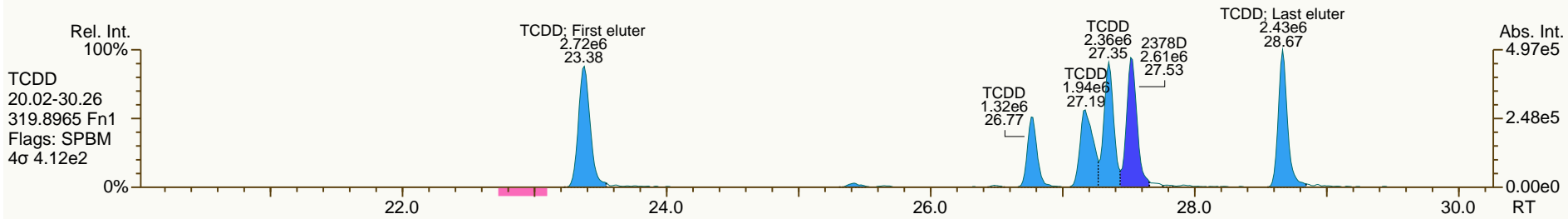
Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: 1613_SGS
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 121028P1-13 Analysis Date: 28-OCT-2012 19:07:18

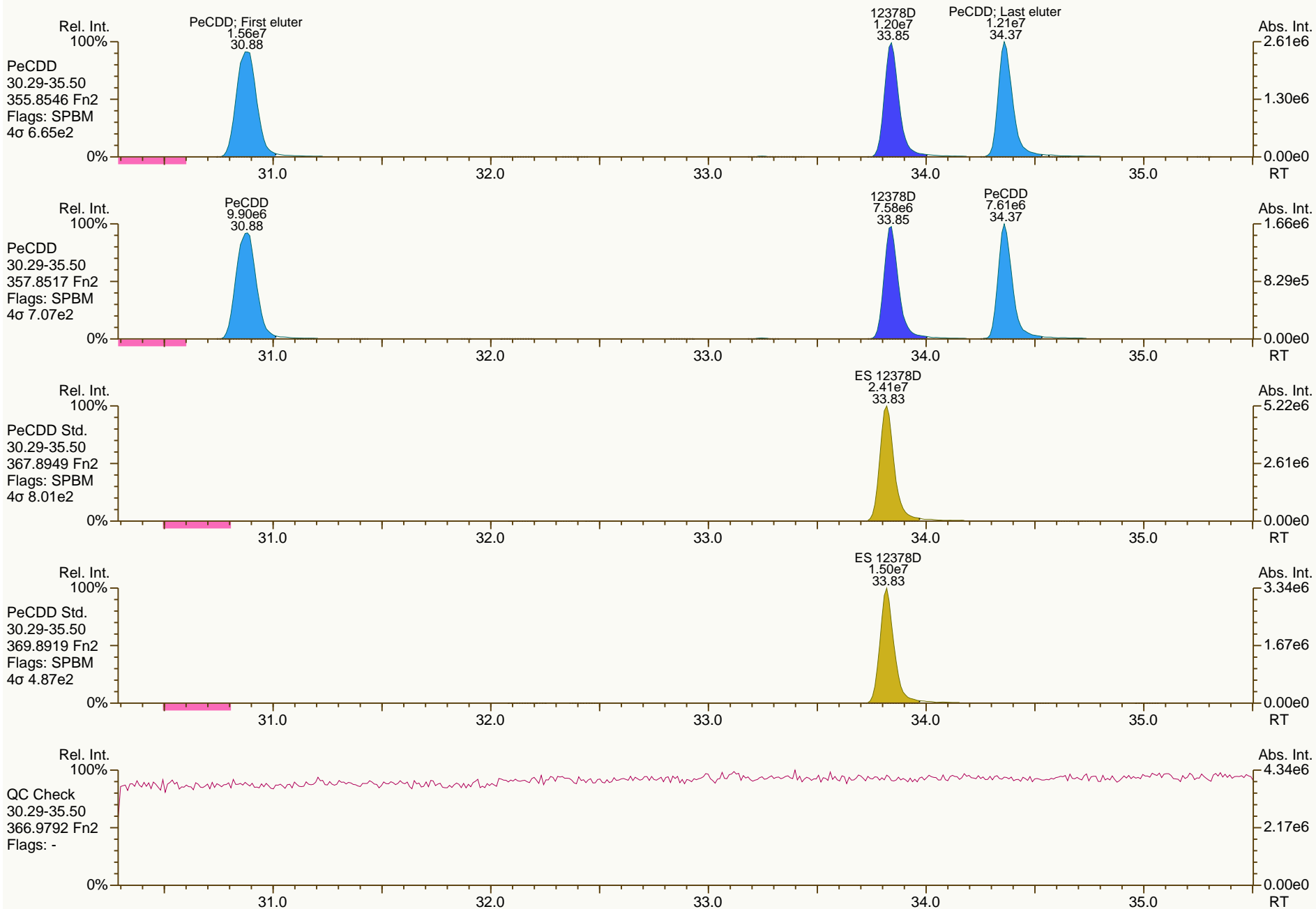
LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.81	0.65 - 0.89	Y	95.6	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.61	1.32 - 1.78	Y	83.7	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	96.5	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	110	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.06	0.88 - 1.20	Y	92	72 - 138	Y
13C-OCDD	M+2/M+4	0.89	0.76 - 1.02	Y	174	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.78	0.65 - 0.89	Y	98.7	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.56	1.32 - 1.78	Y	86.3	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.56	1.32 - 1.78	Y	86.3	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	105	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	109	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	106	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	99.7	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.44	0.37 - 0.51	Y	100	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	95.3	77 - 129	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				9.26	7.9 - 12.7	Y

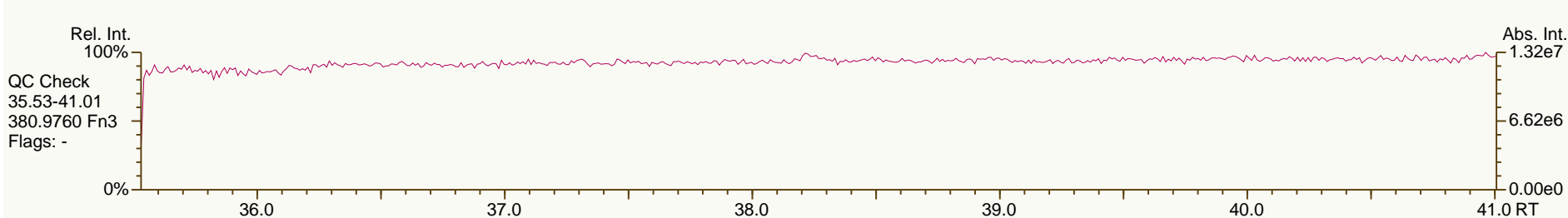
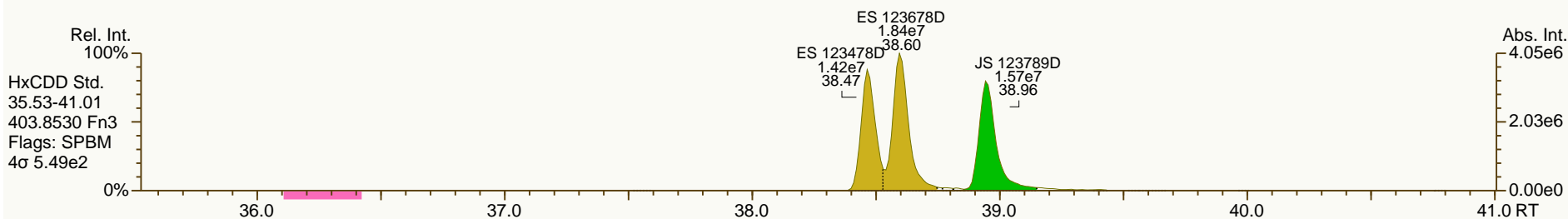
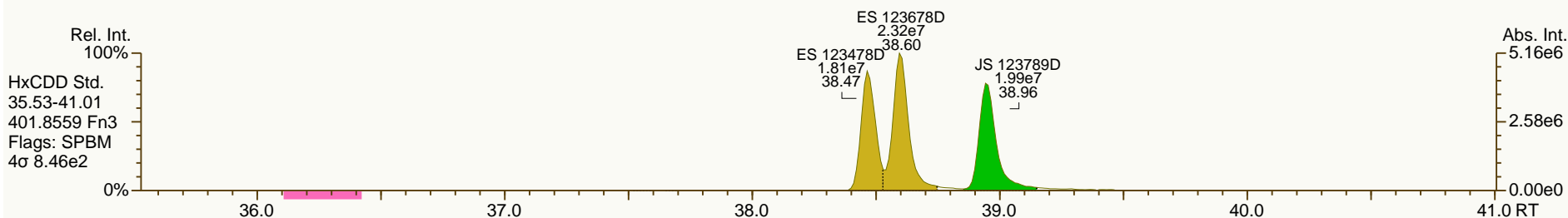
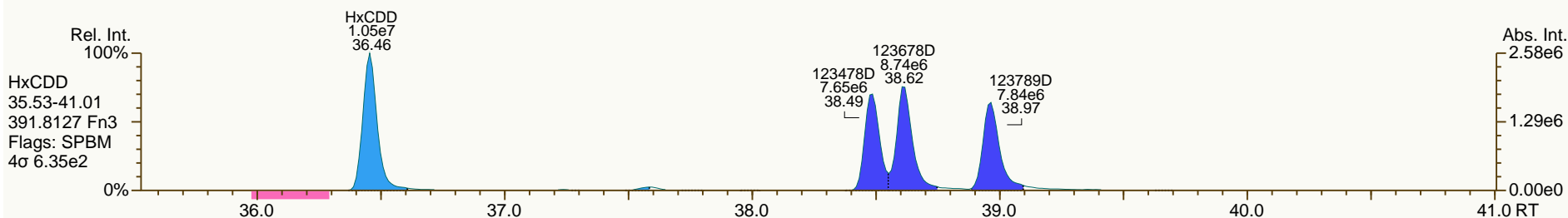
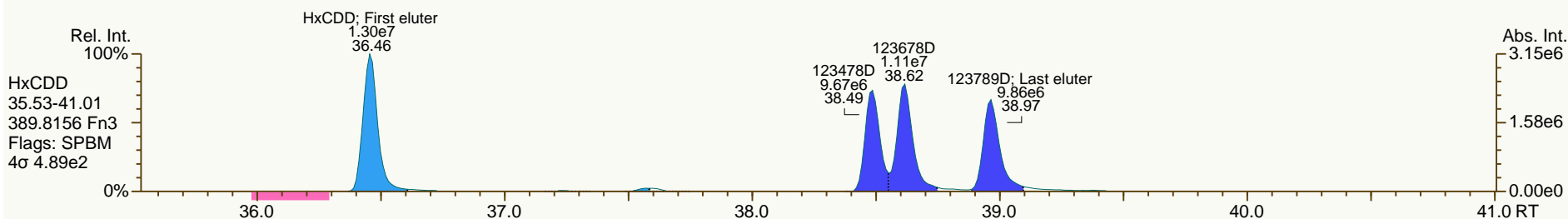
Processed: 29 Oct 2012 13:40 Analyst: MC

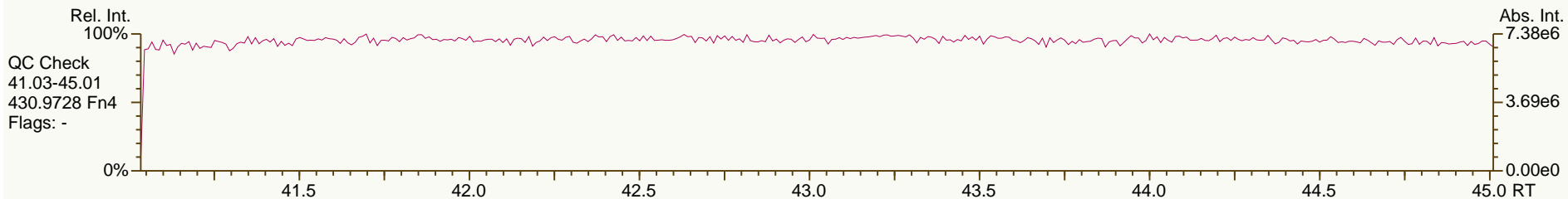
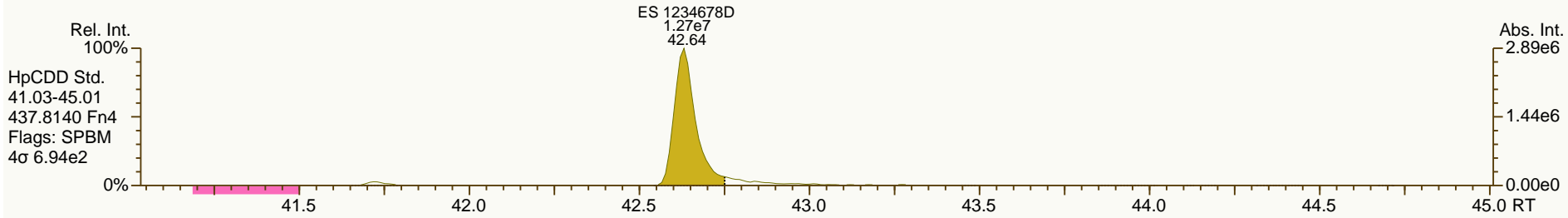
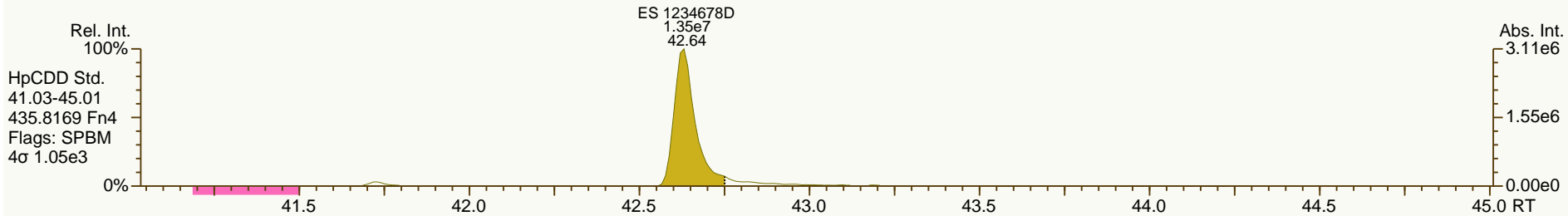
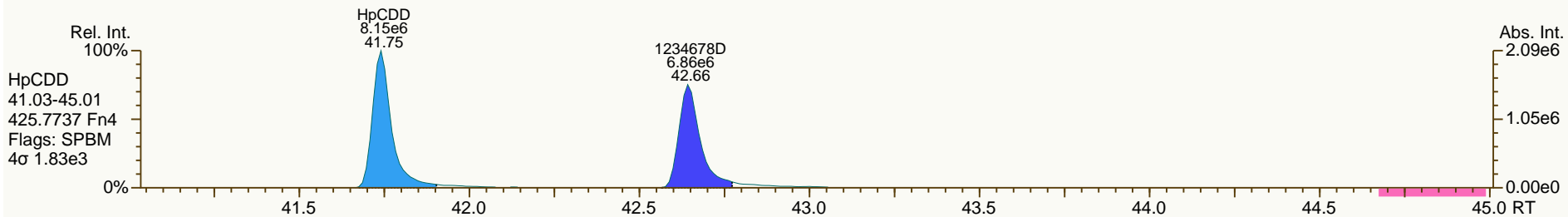
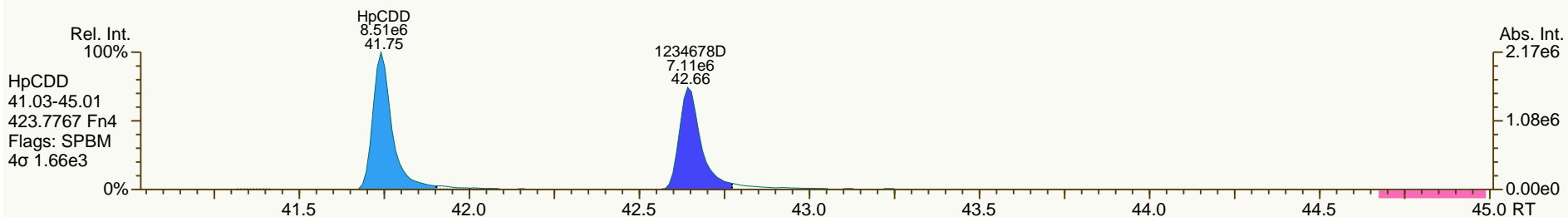


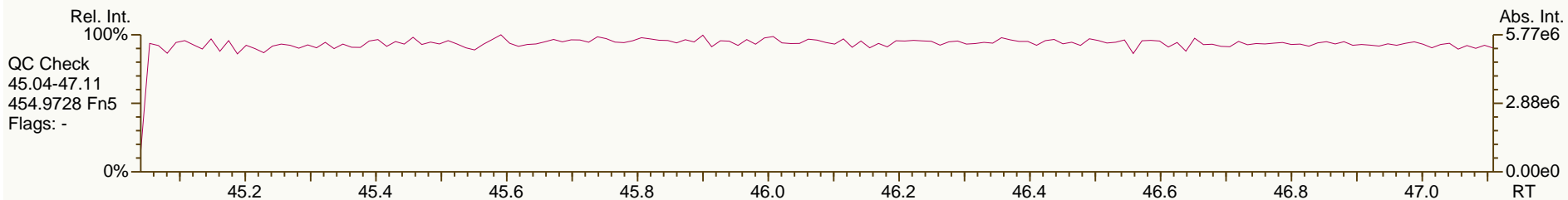
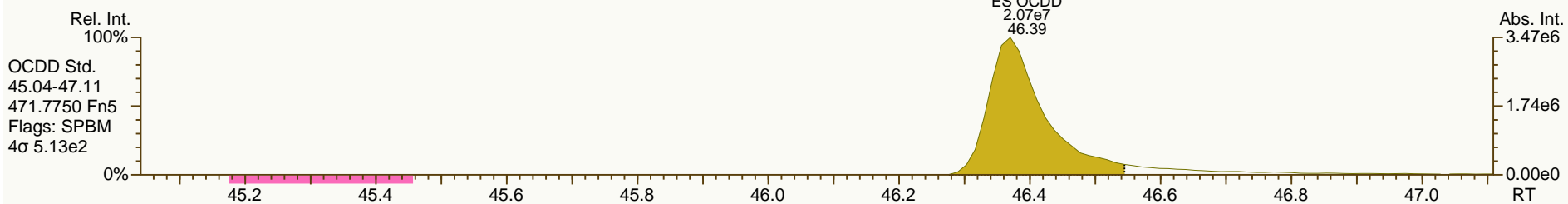
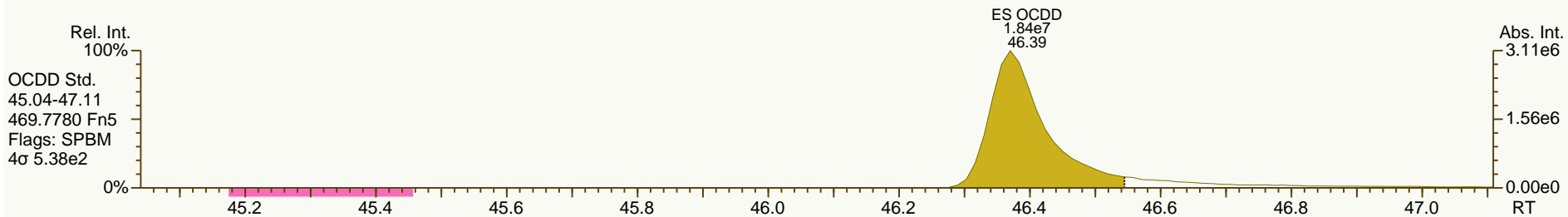
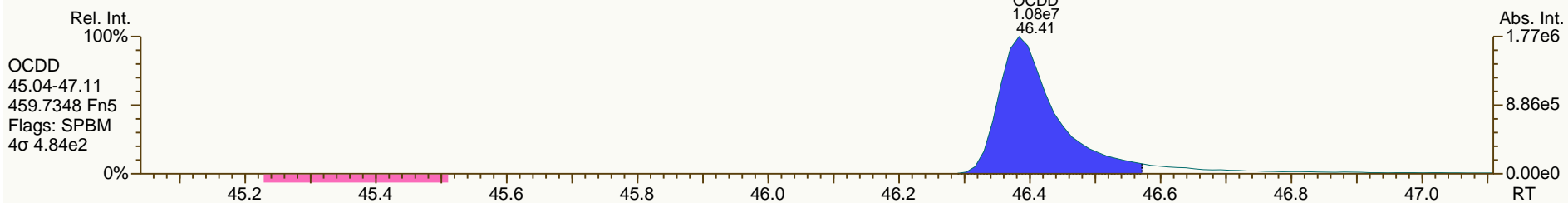
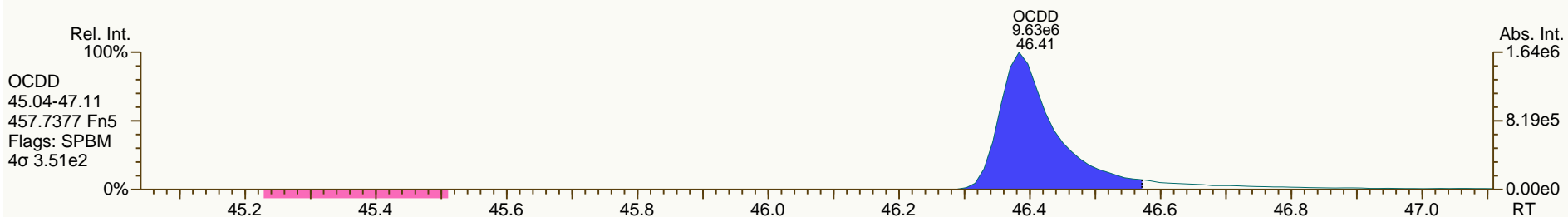




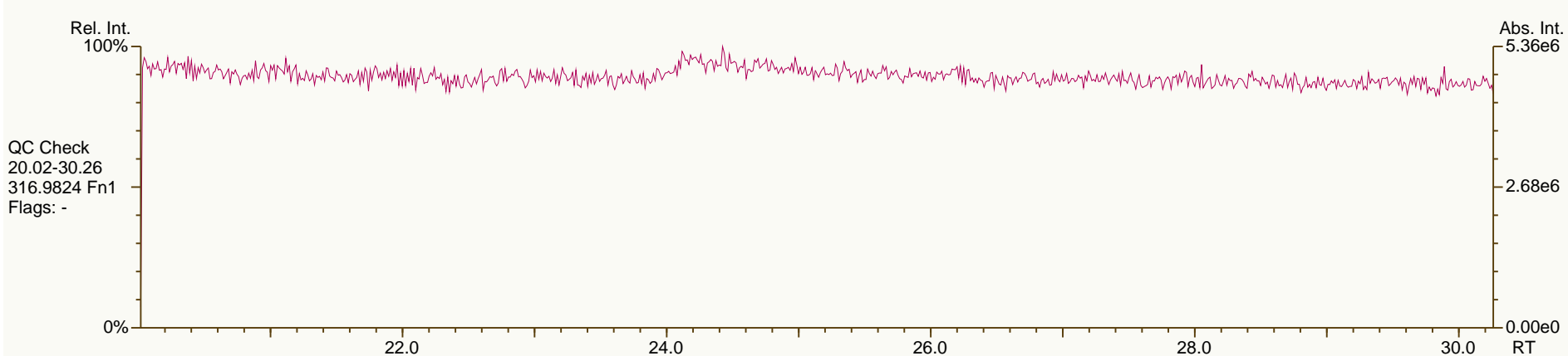
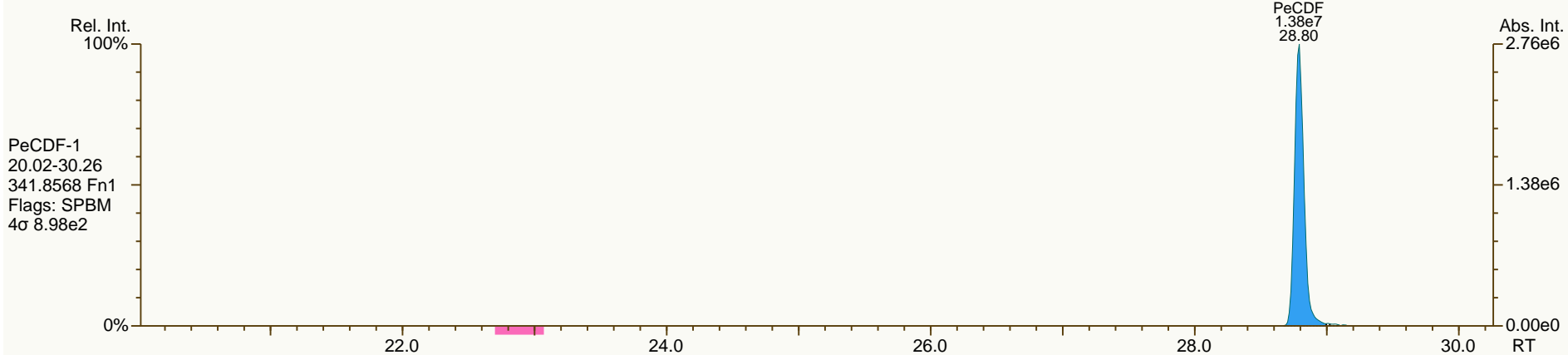
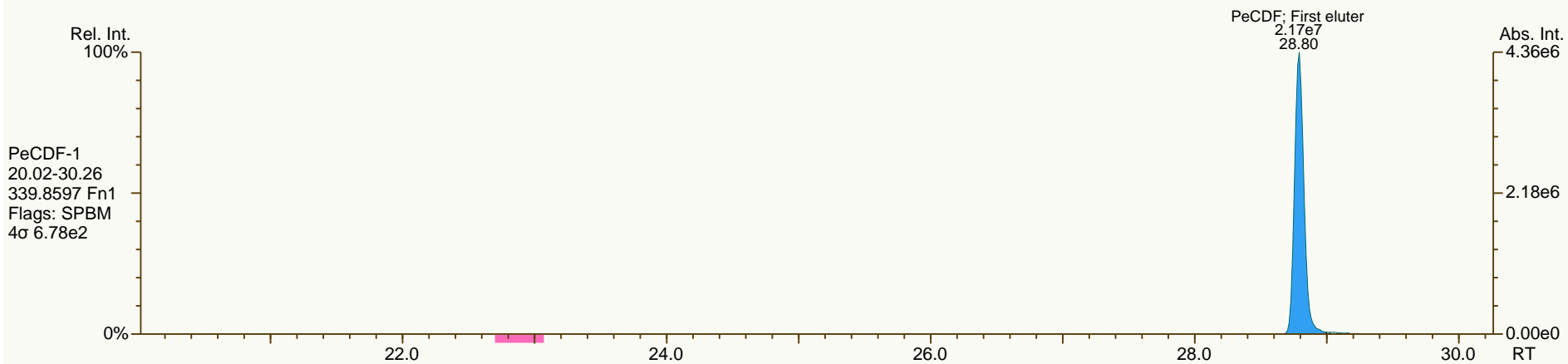


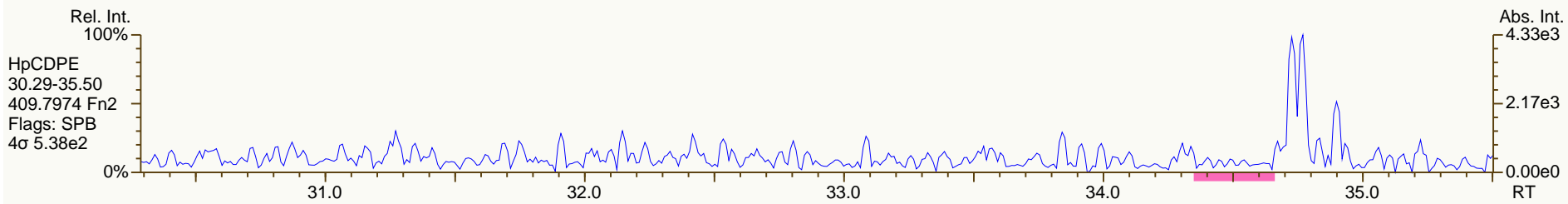
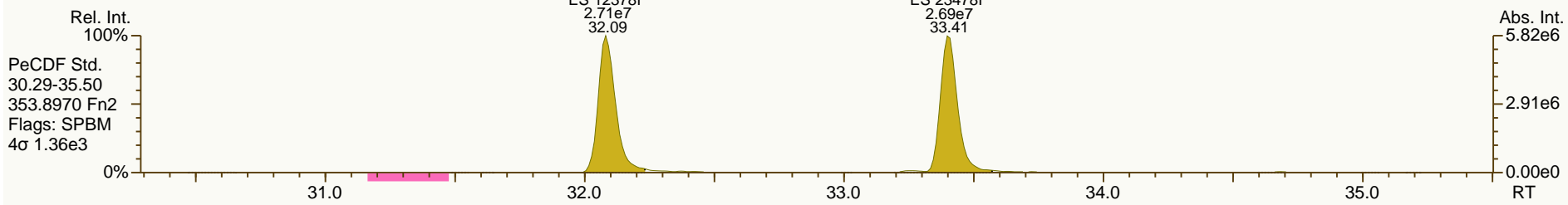
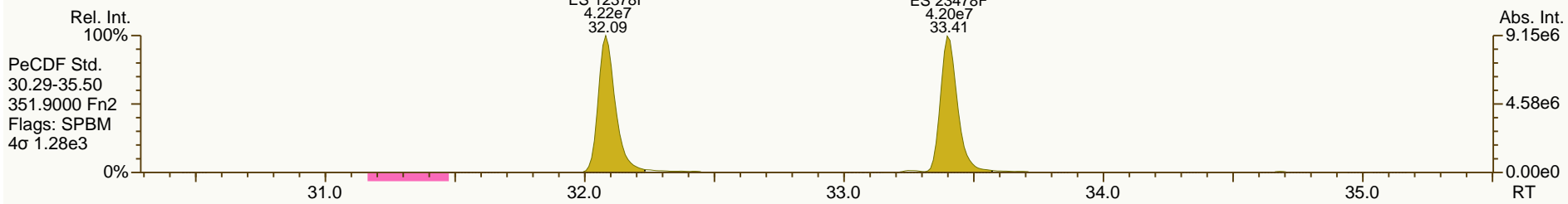
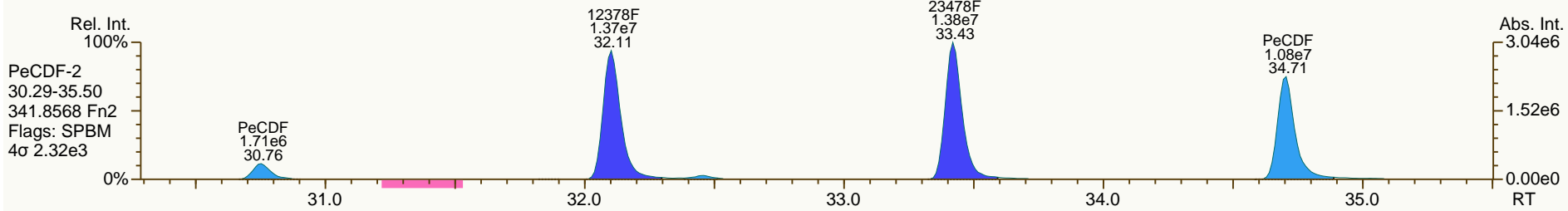
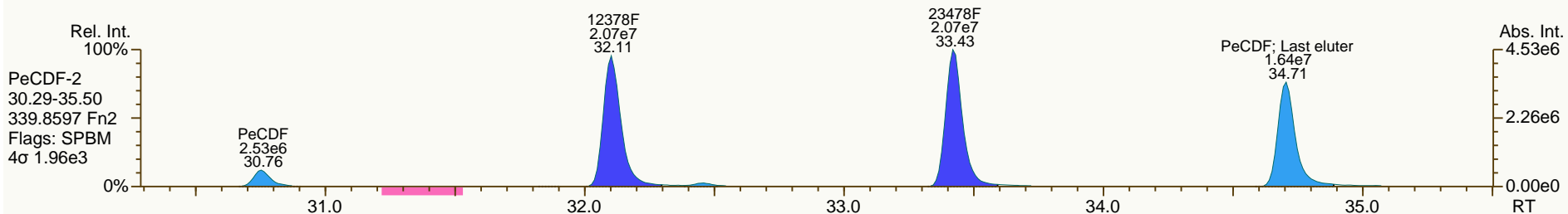


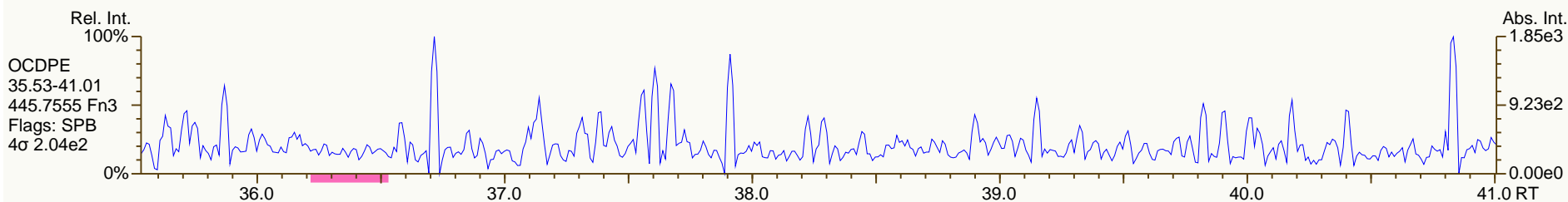
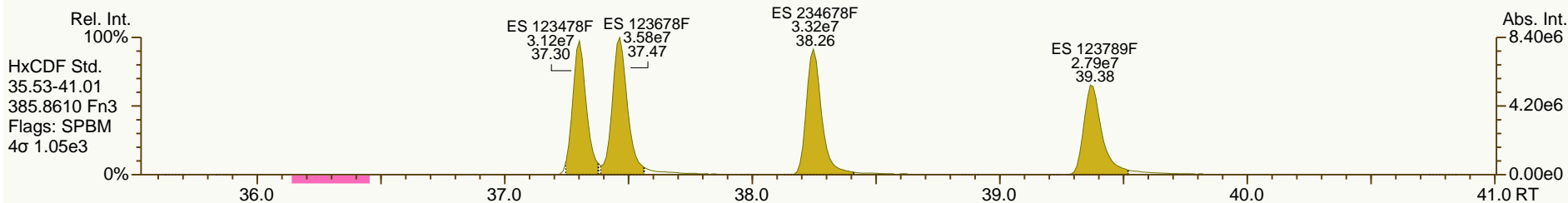
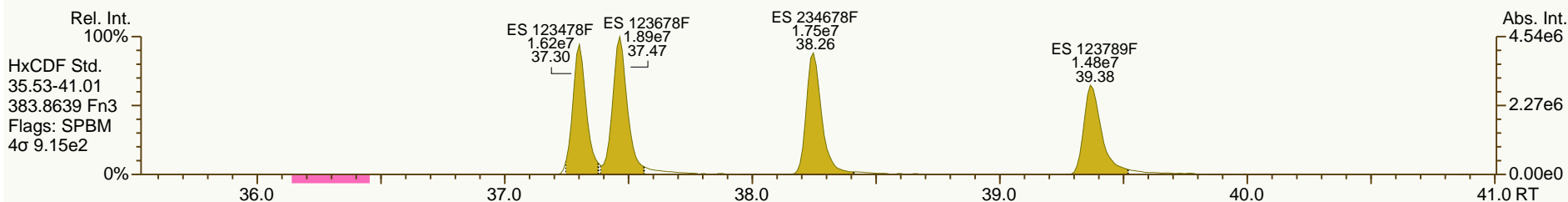
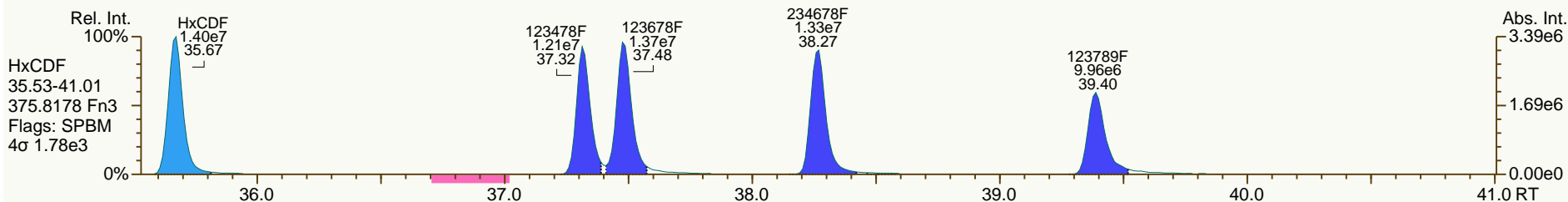
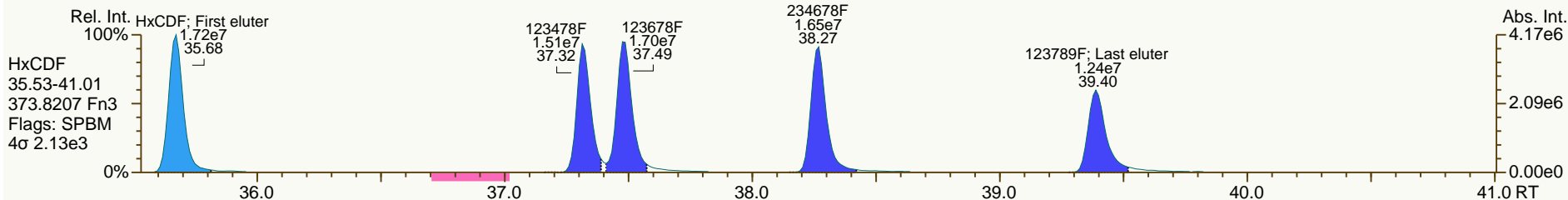


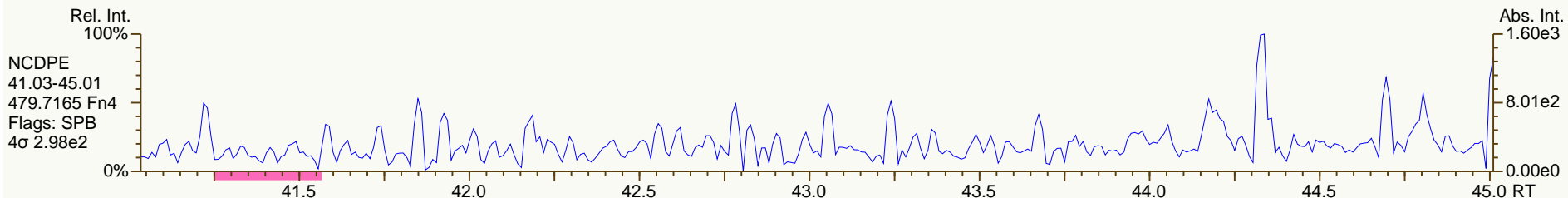
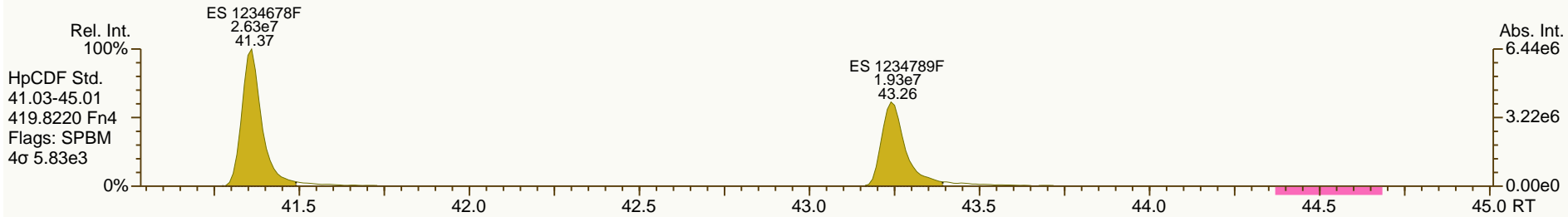
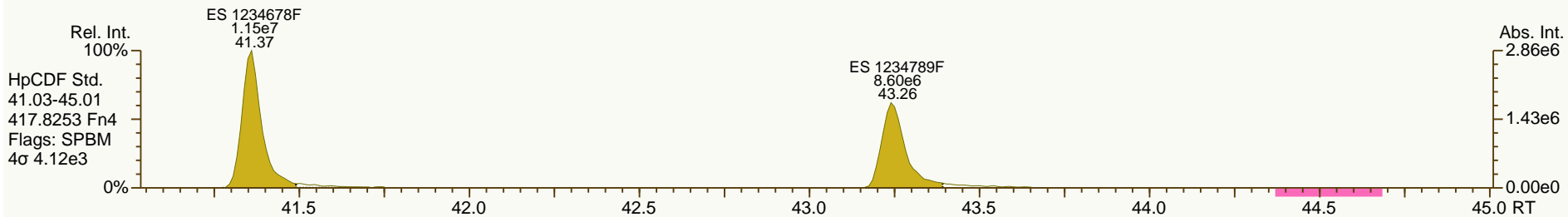
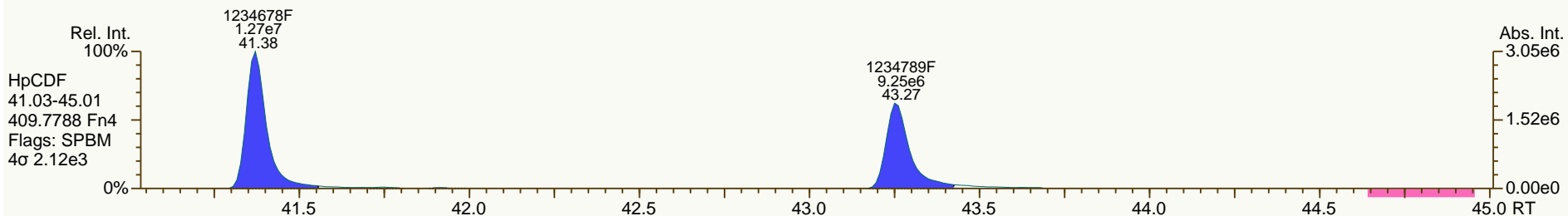
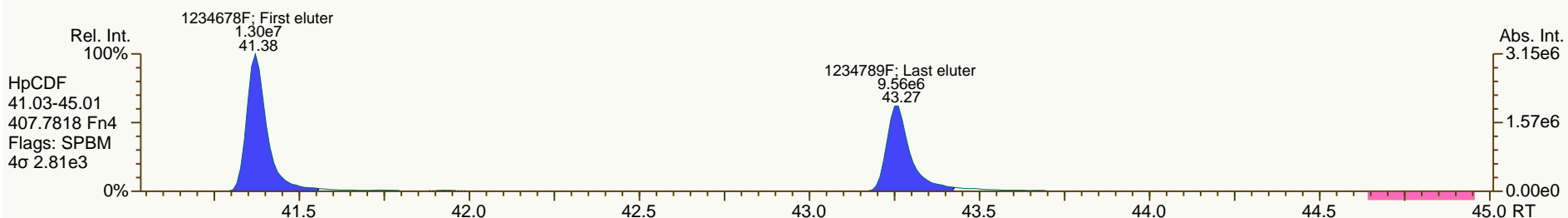


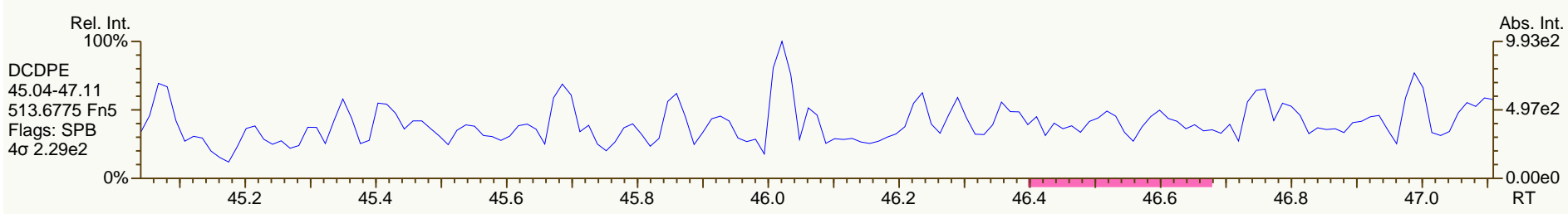
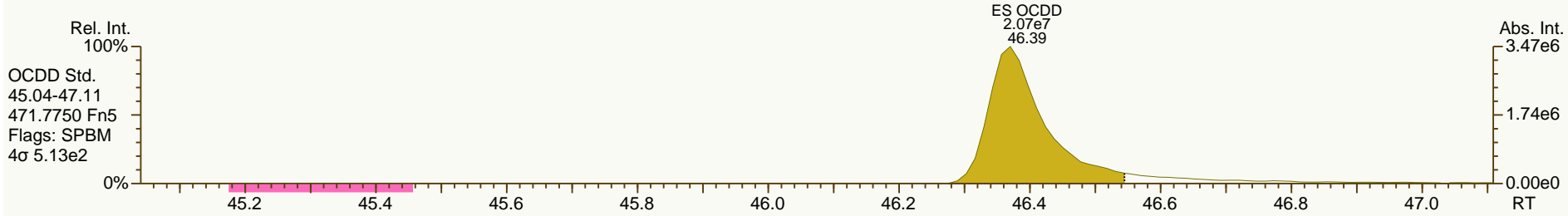
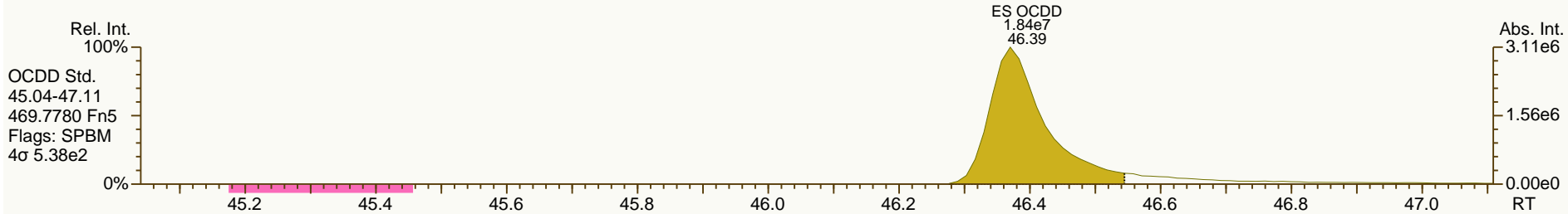
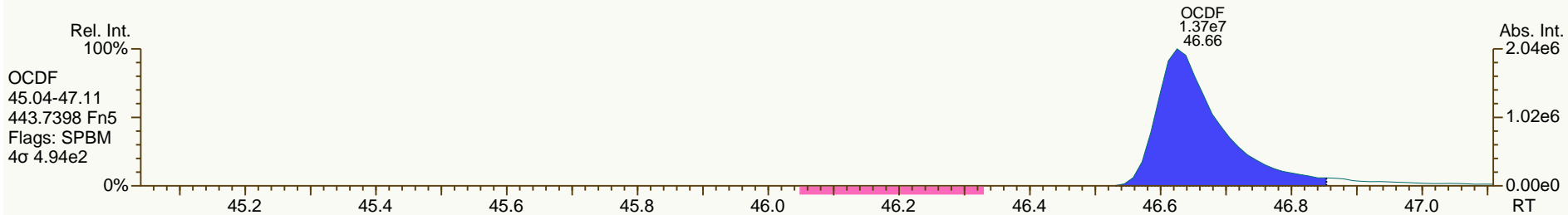
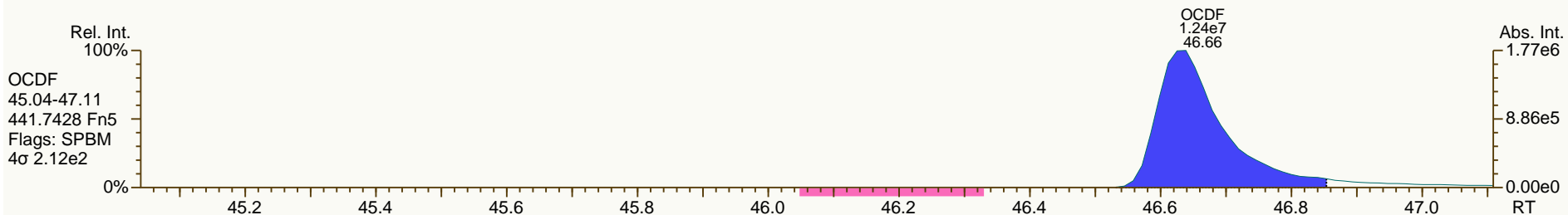


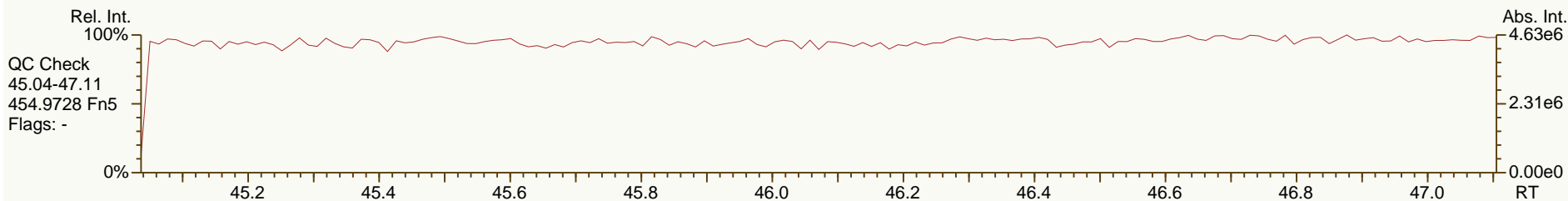
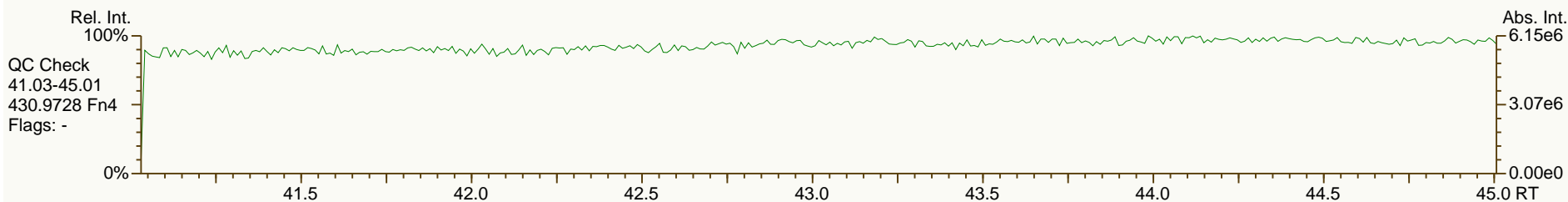
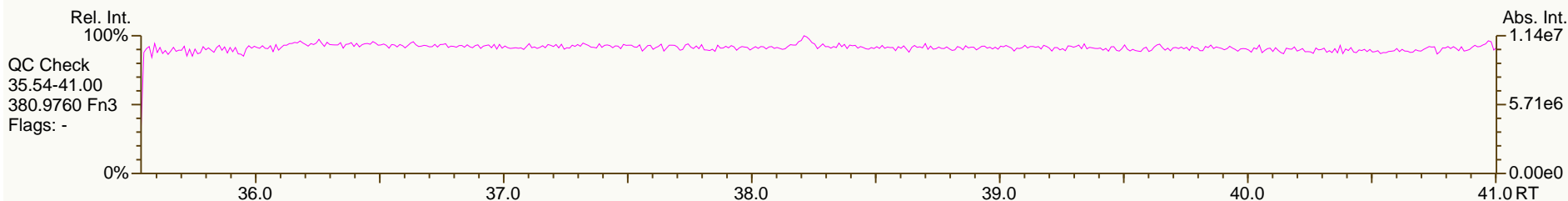
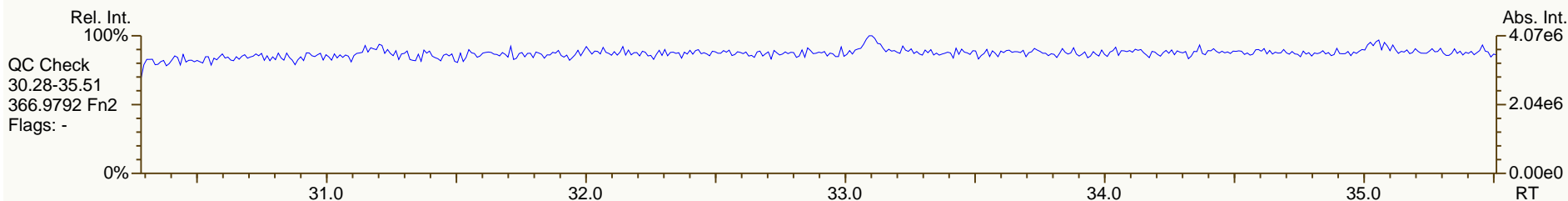
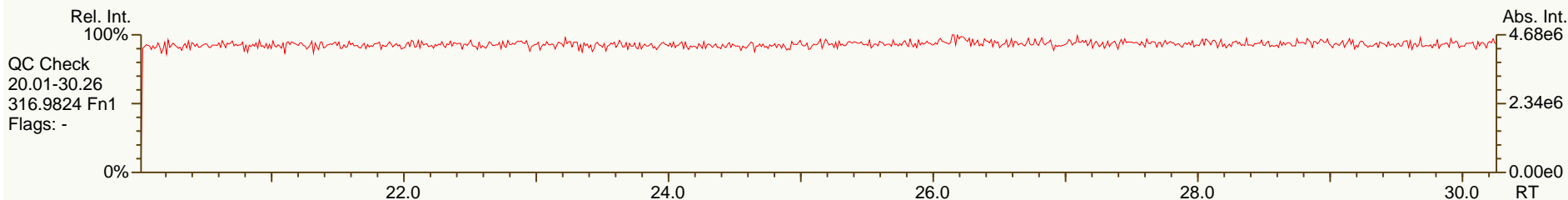


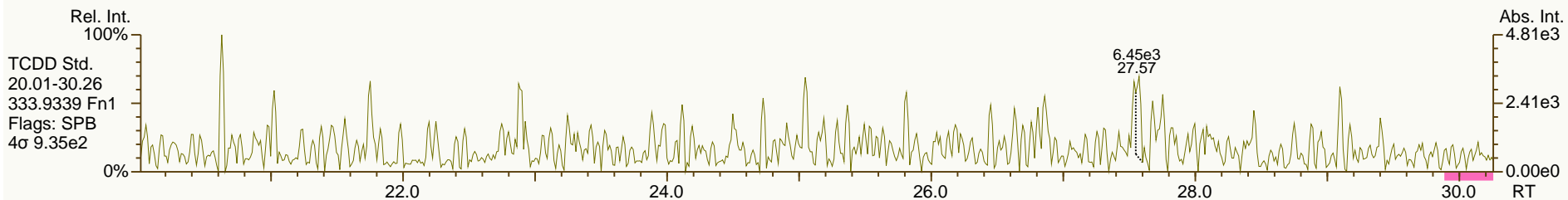
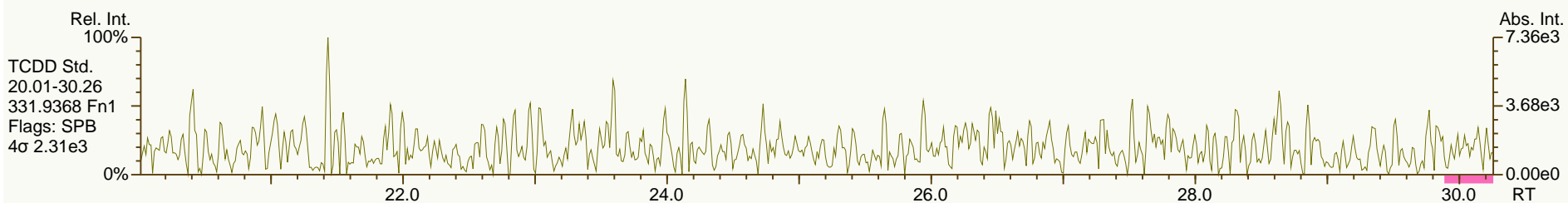
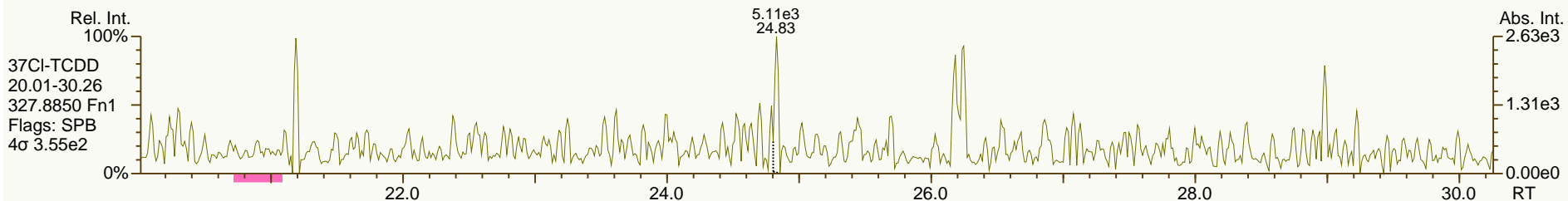
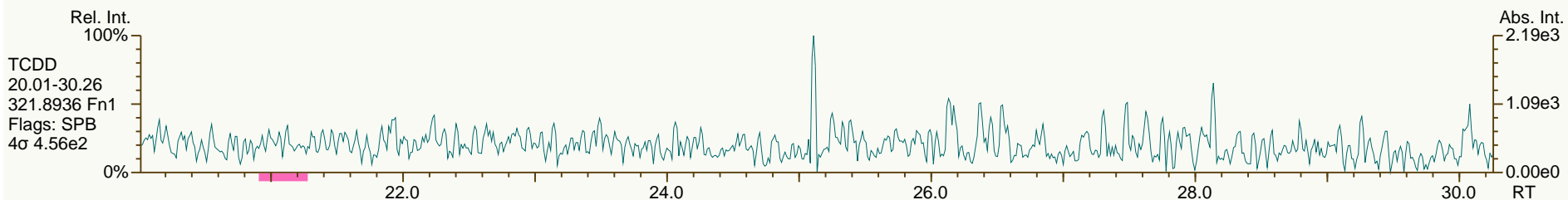
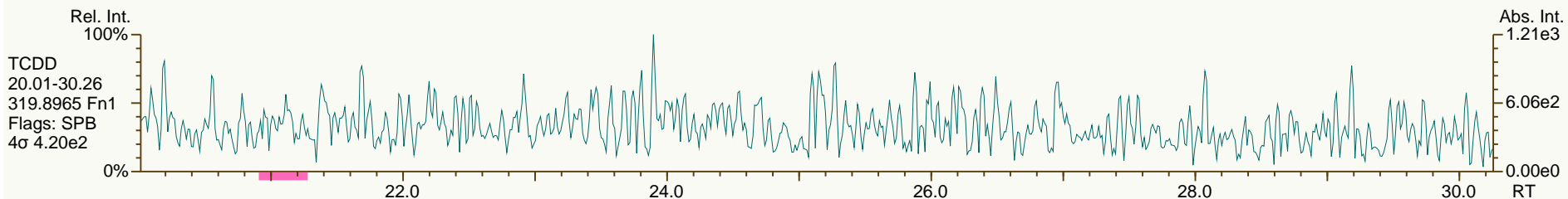


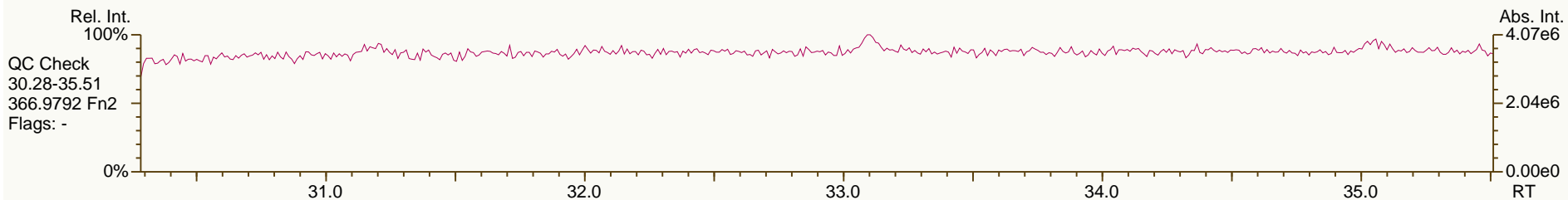
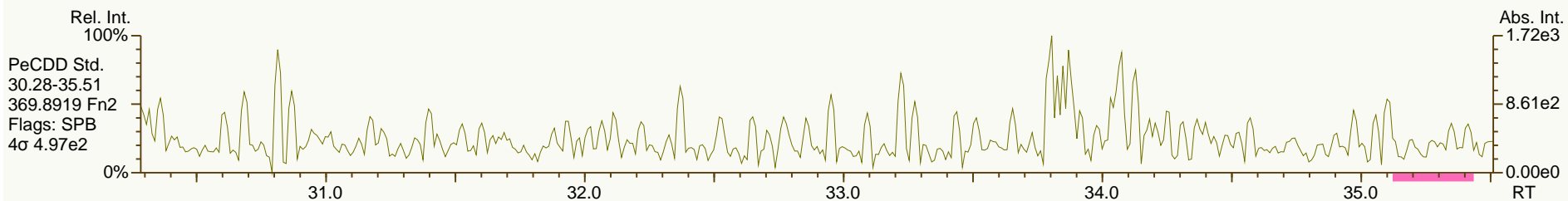
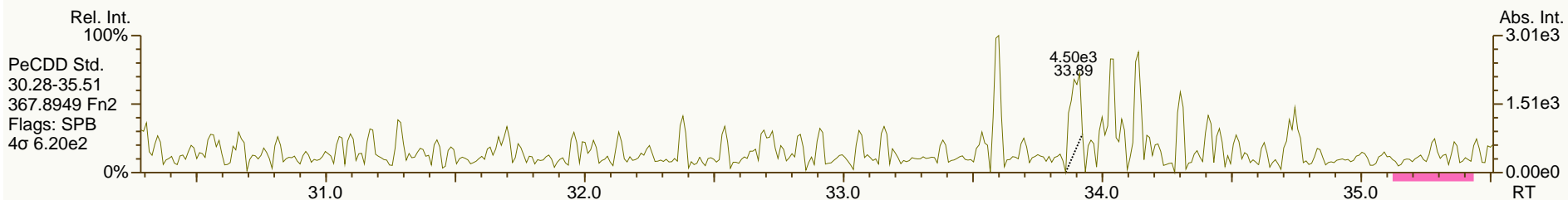
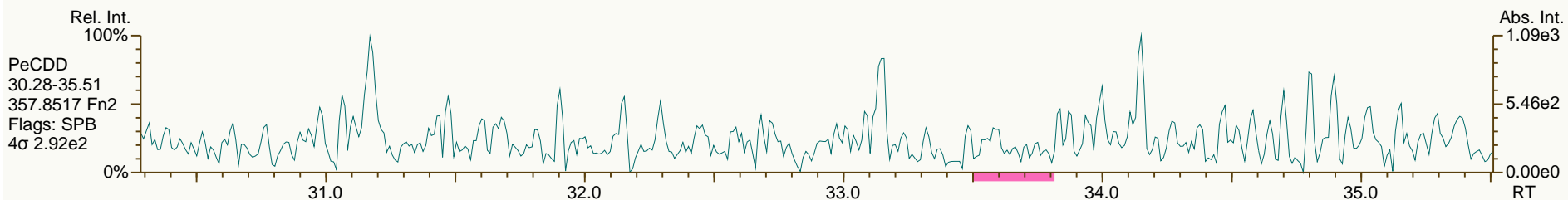
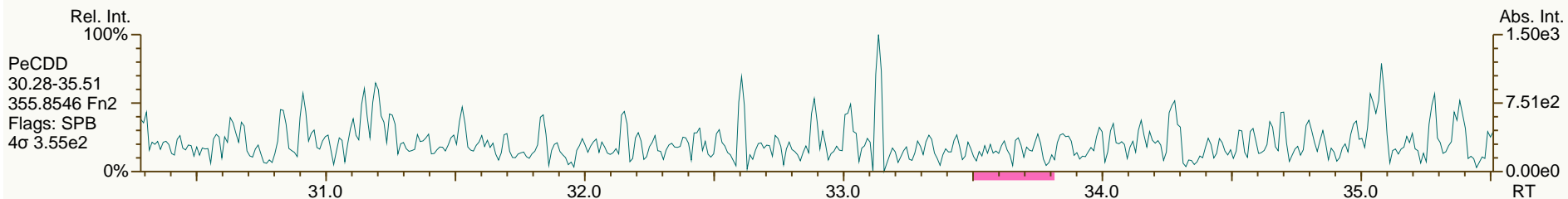


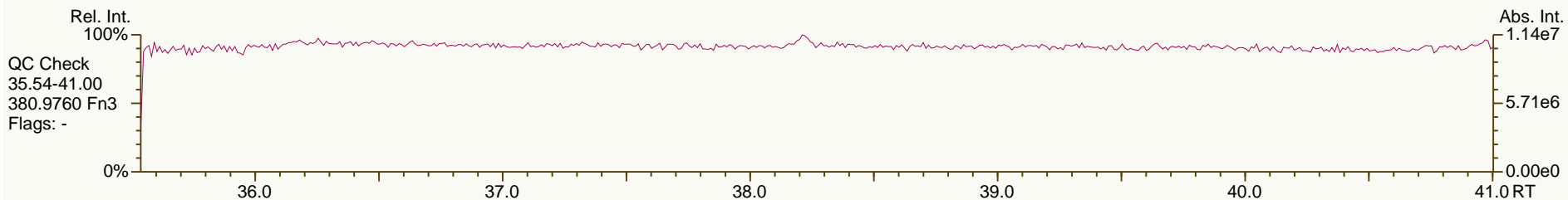
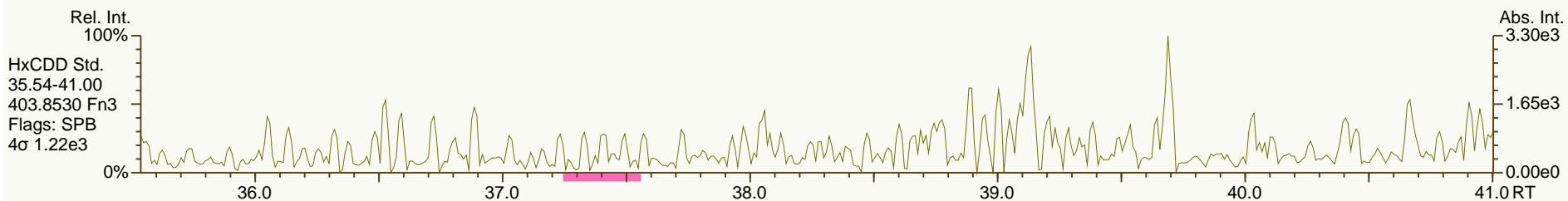
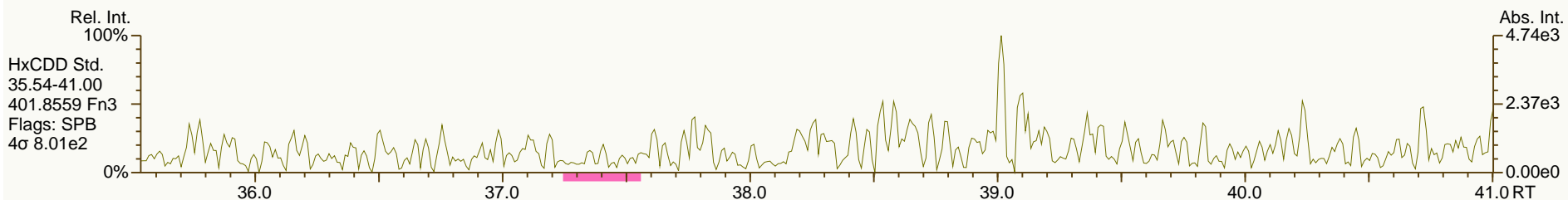
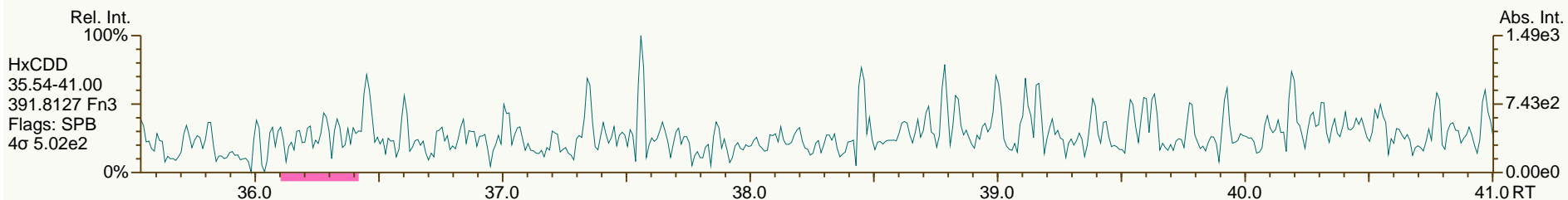
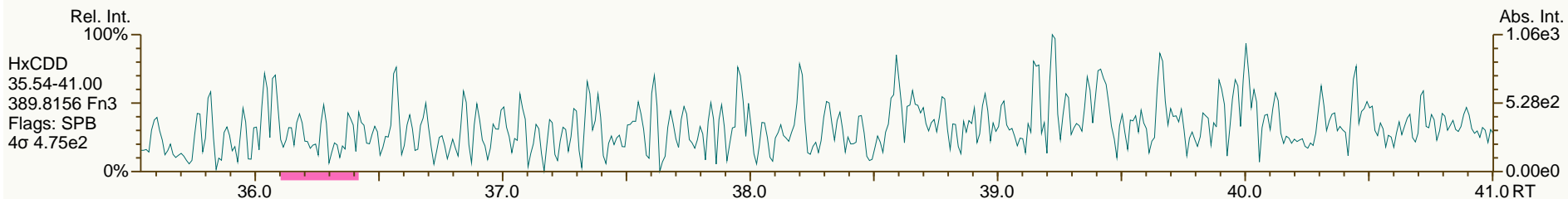


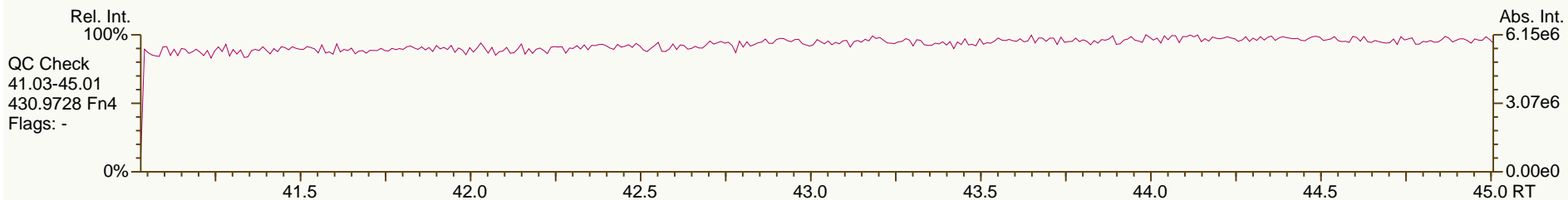
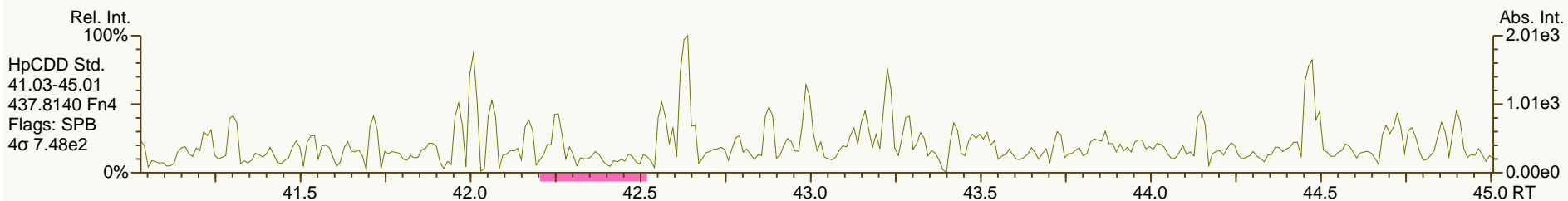
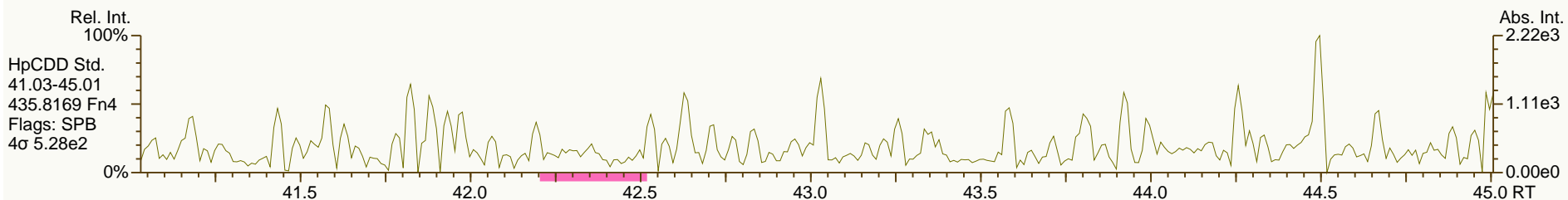
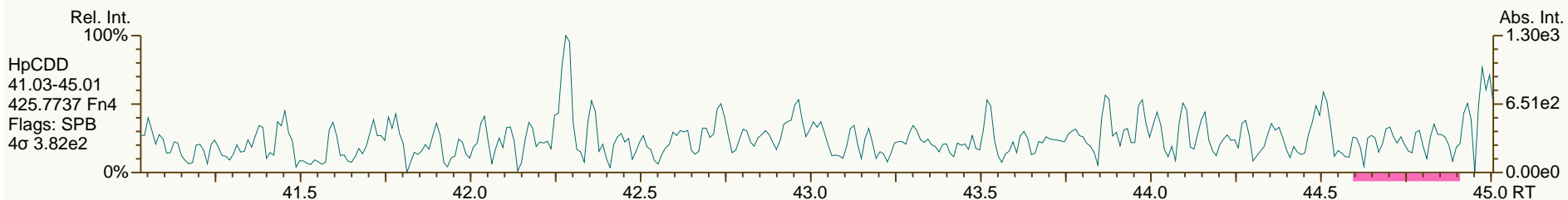
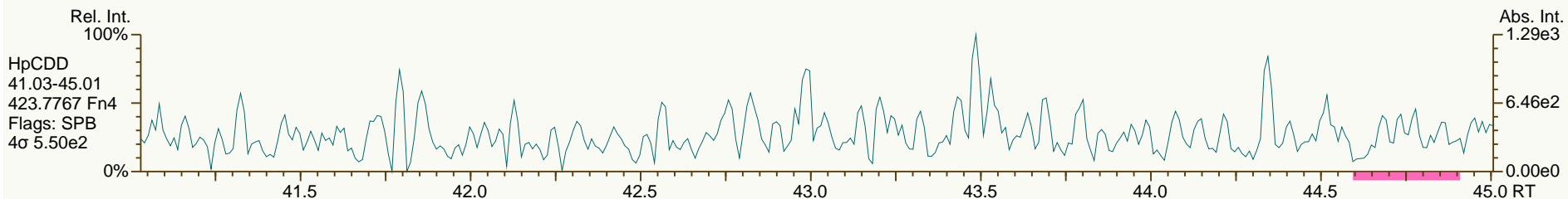


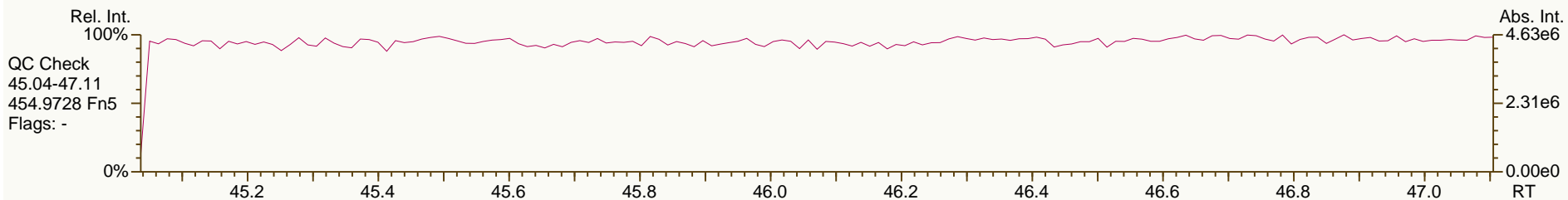
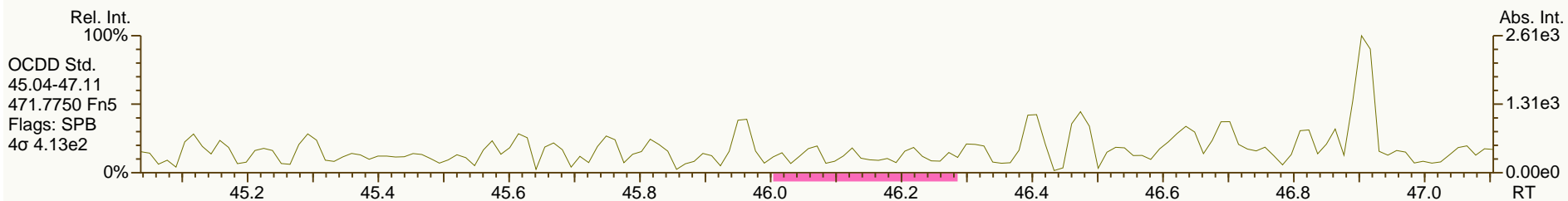
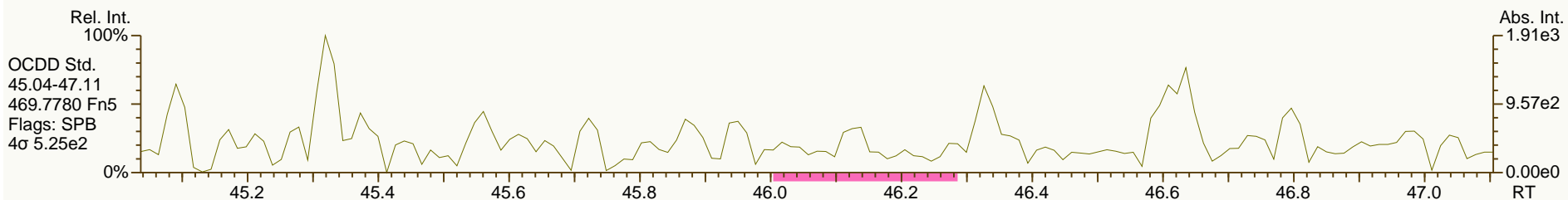
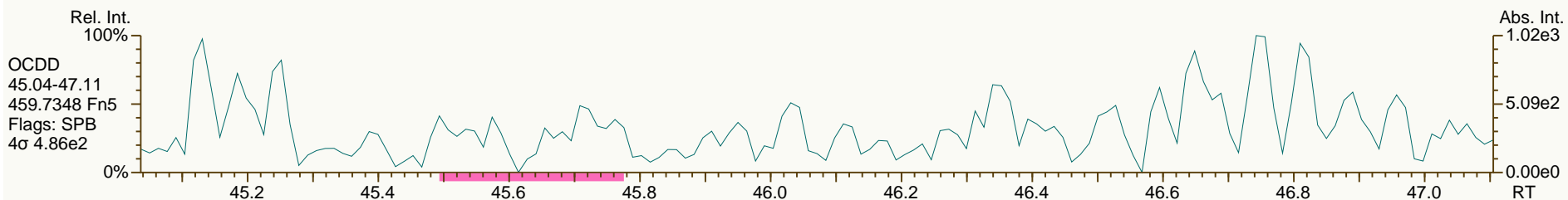
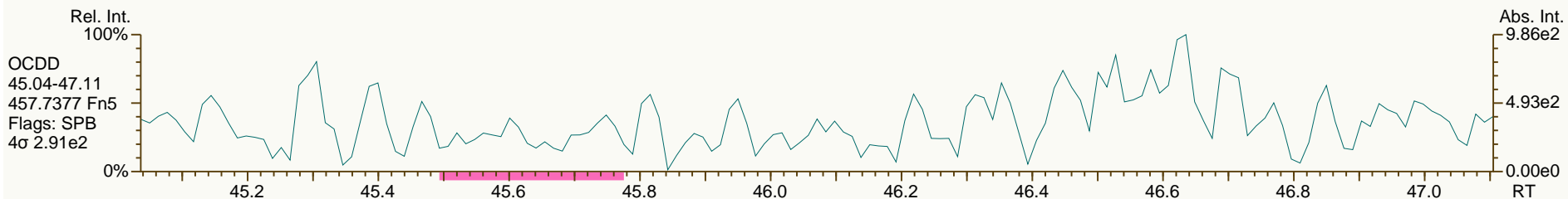


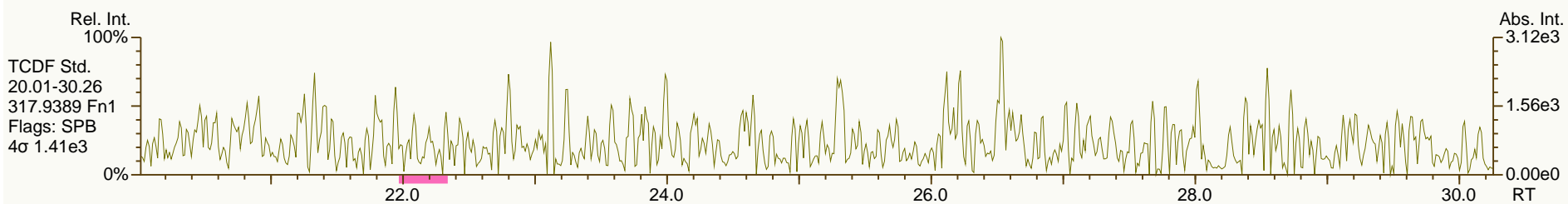
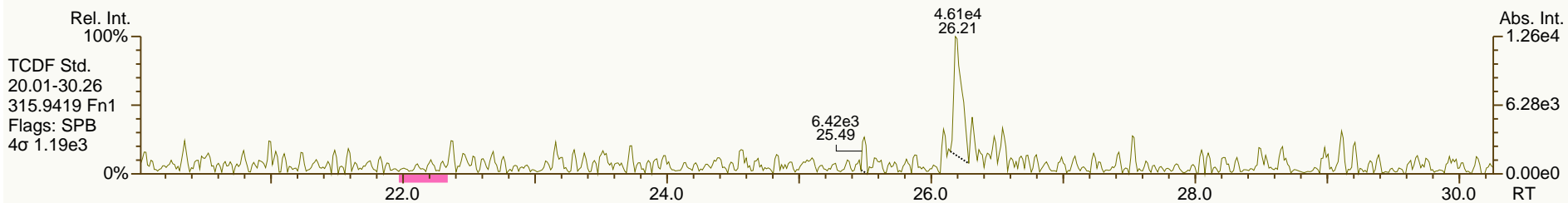
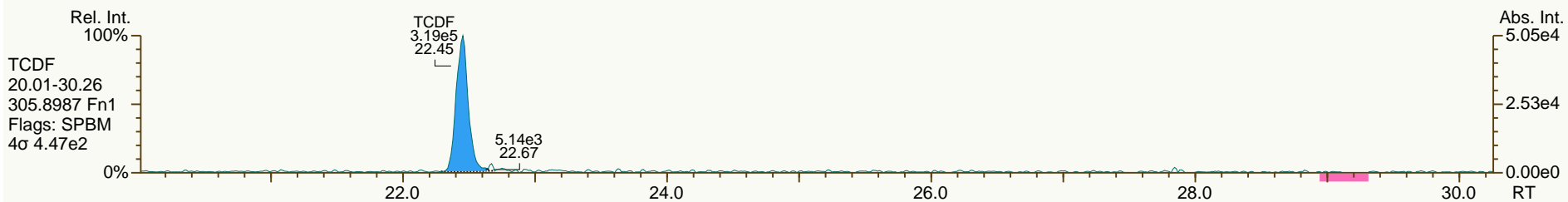
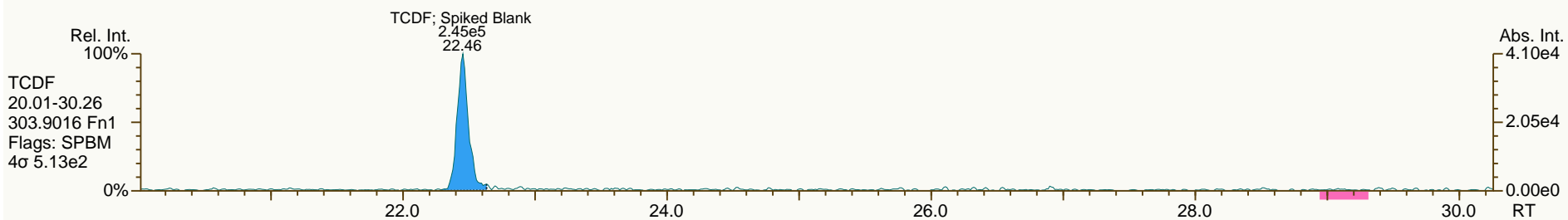


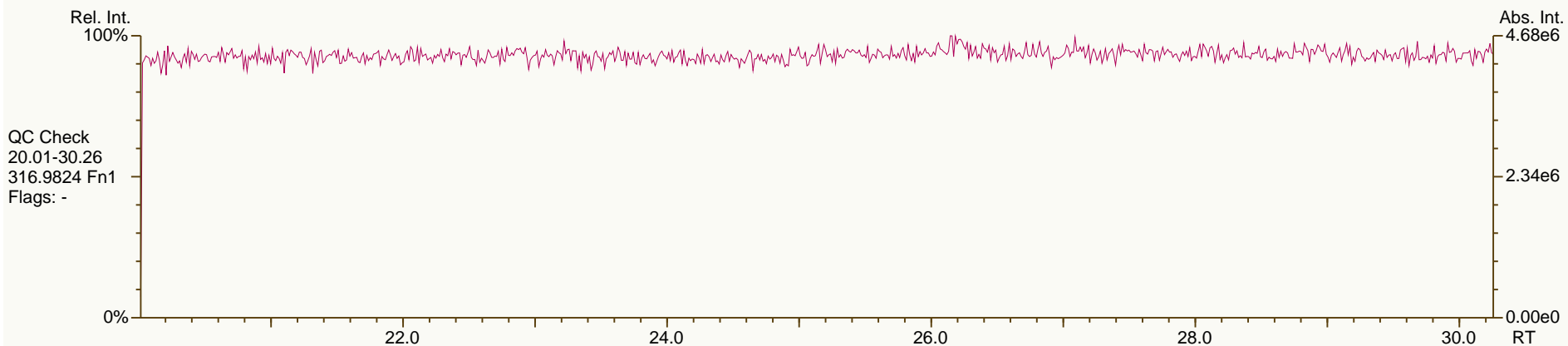
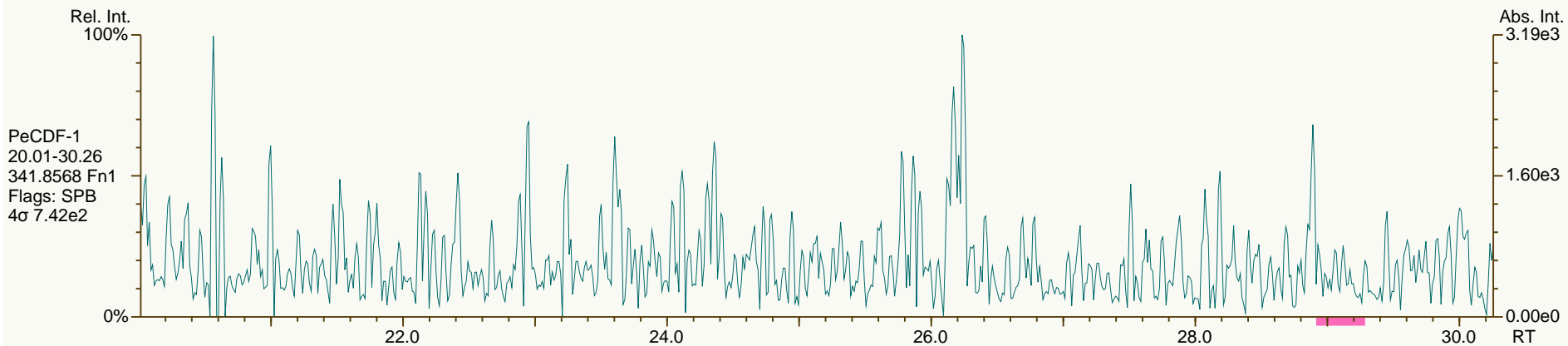
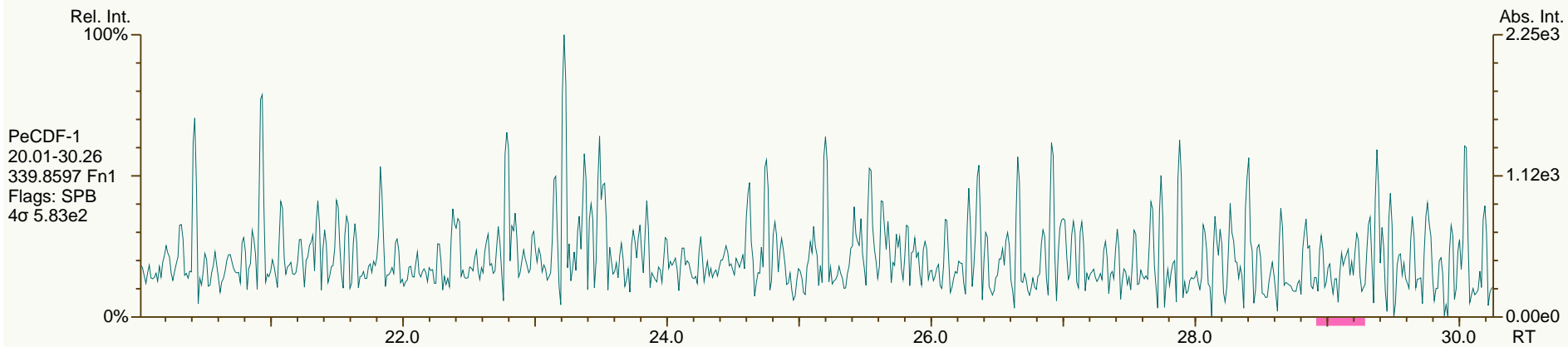


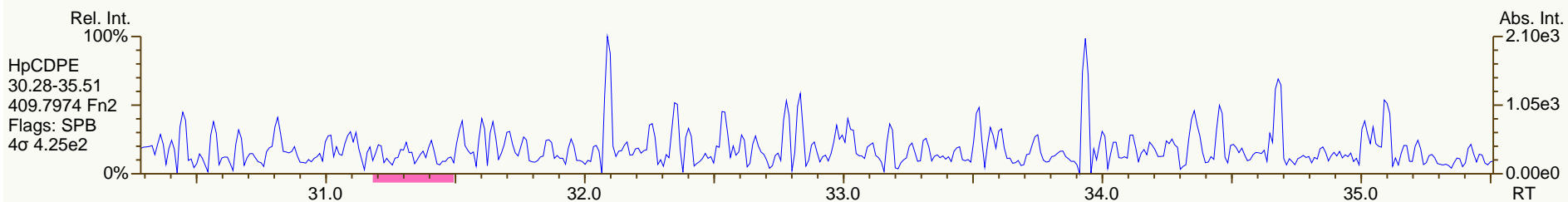
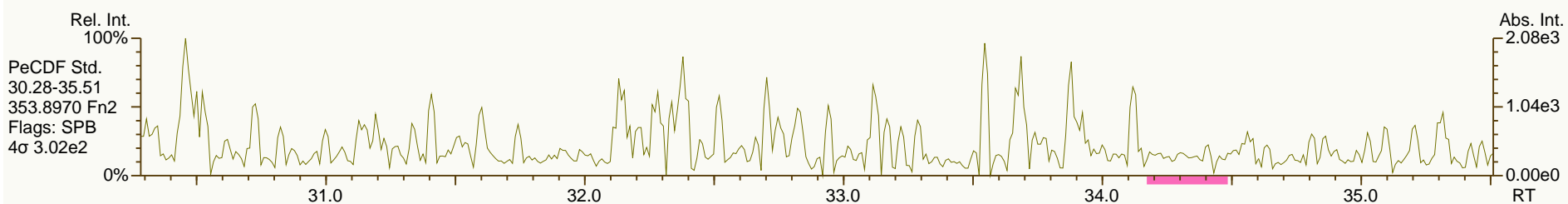
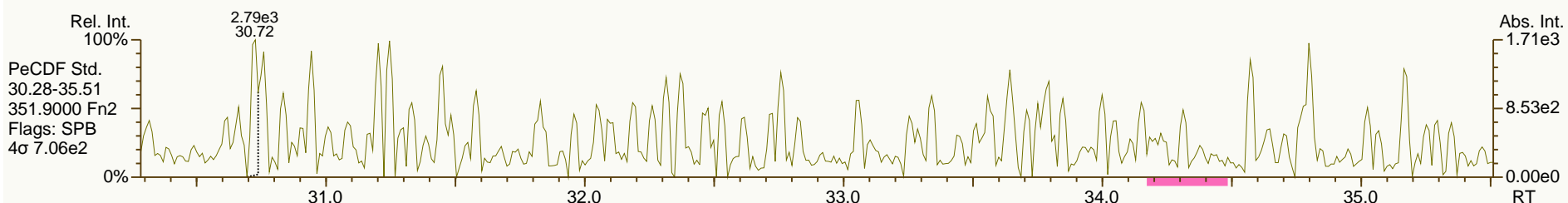
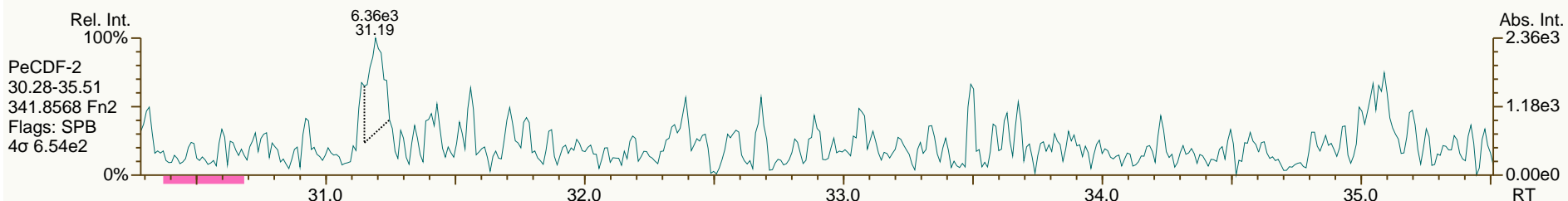
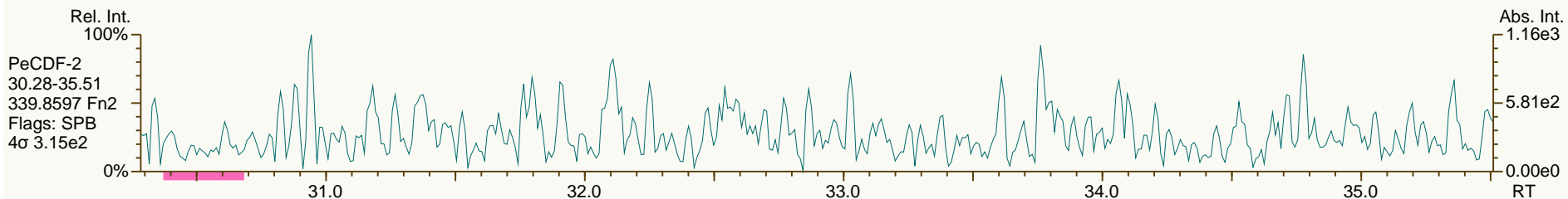


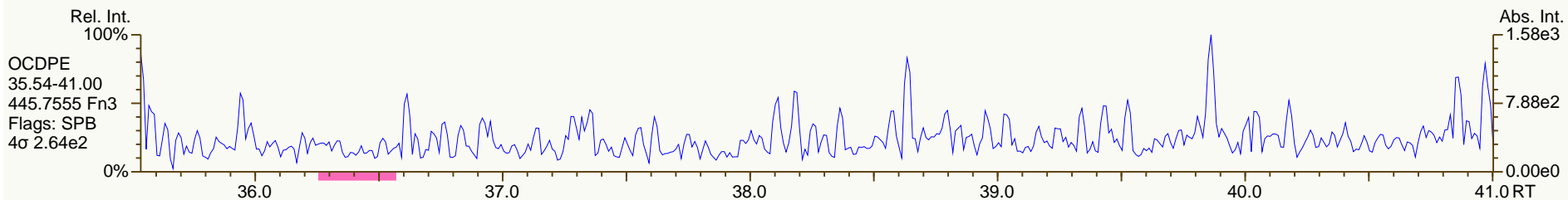
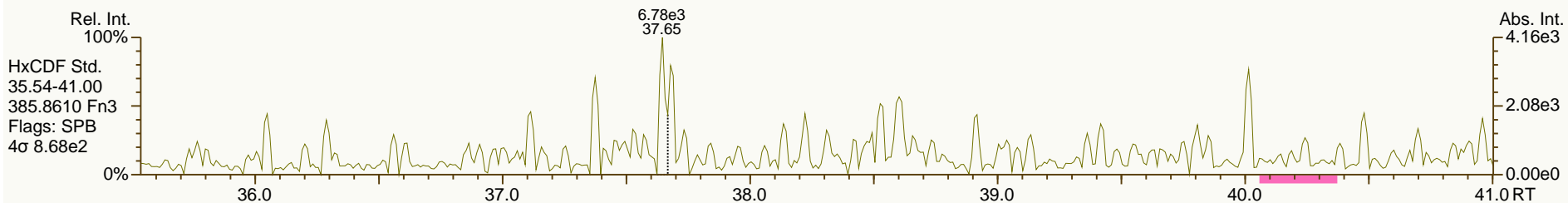
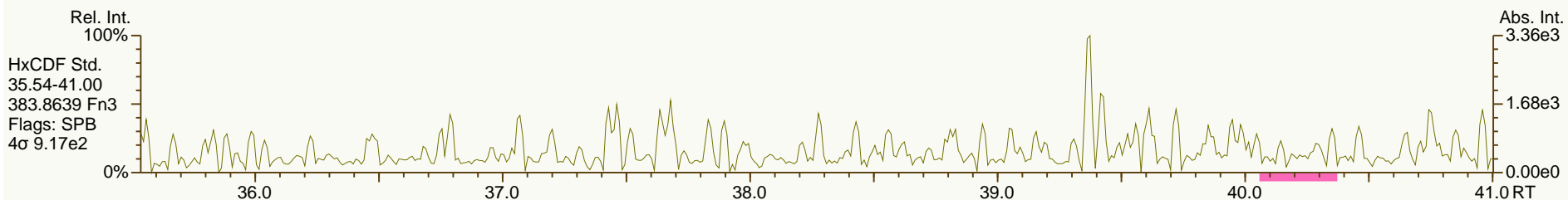
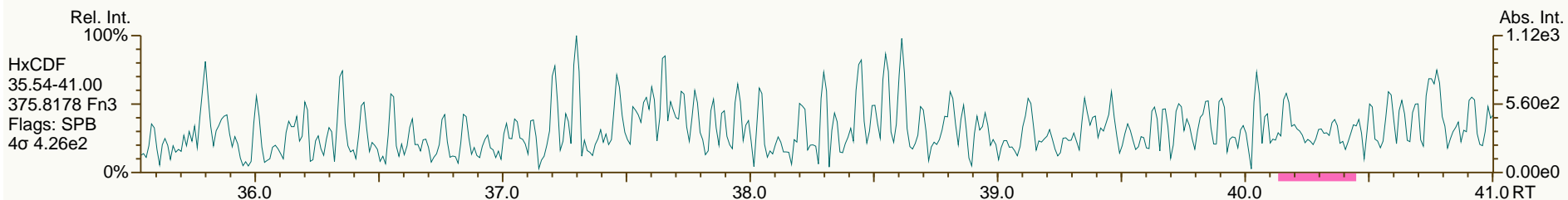
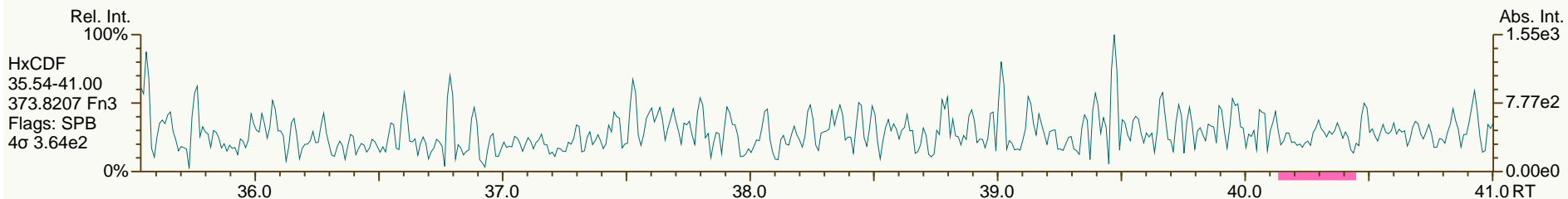


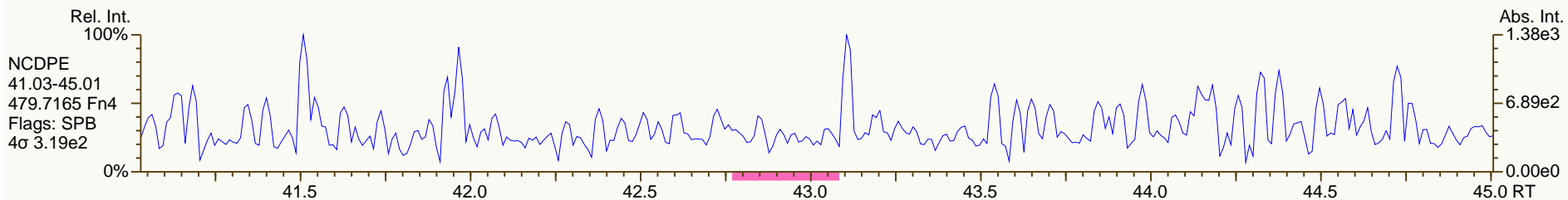
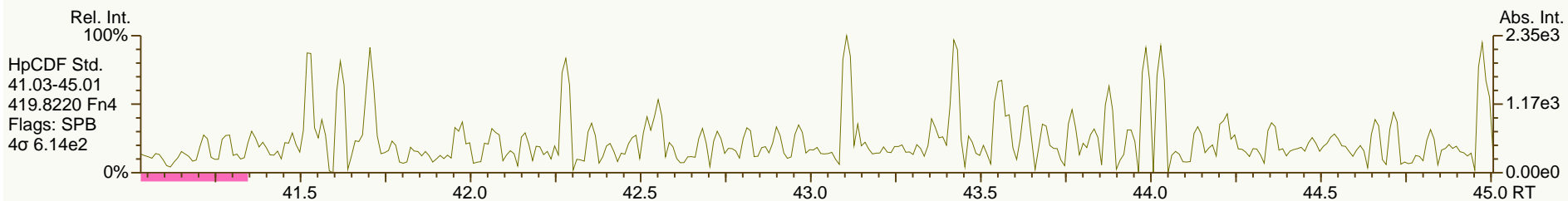
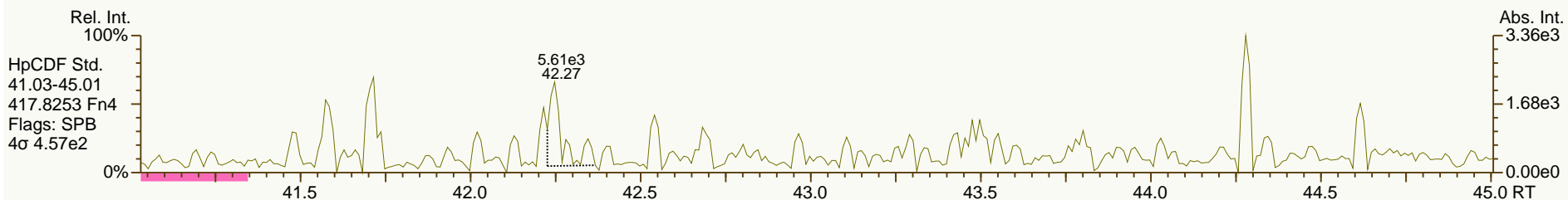
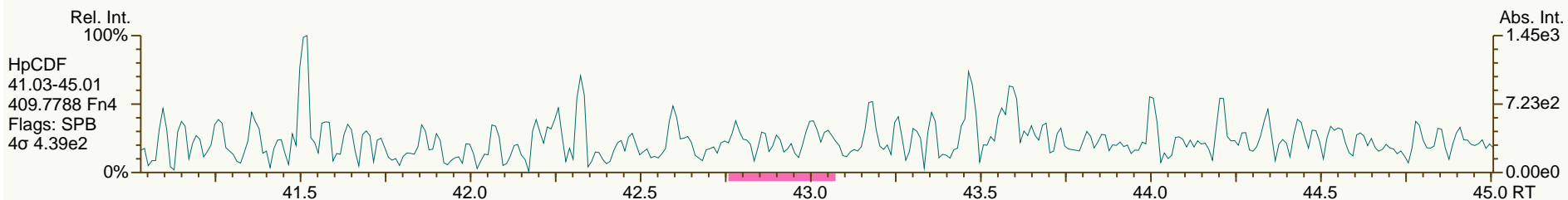
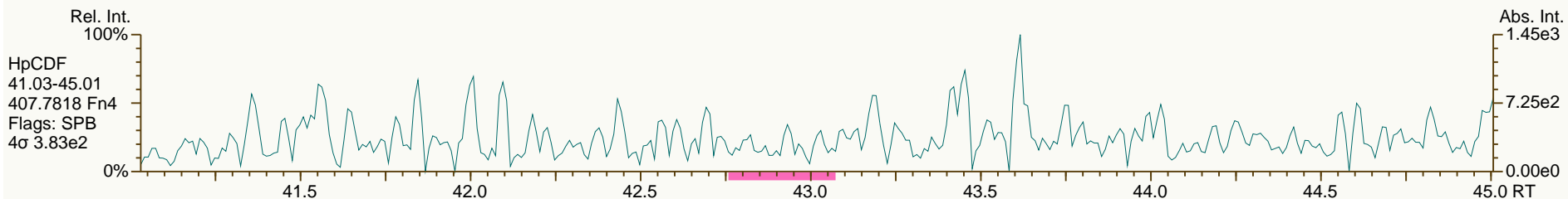


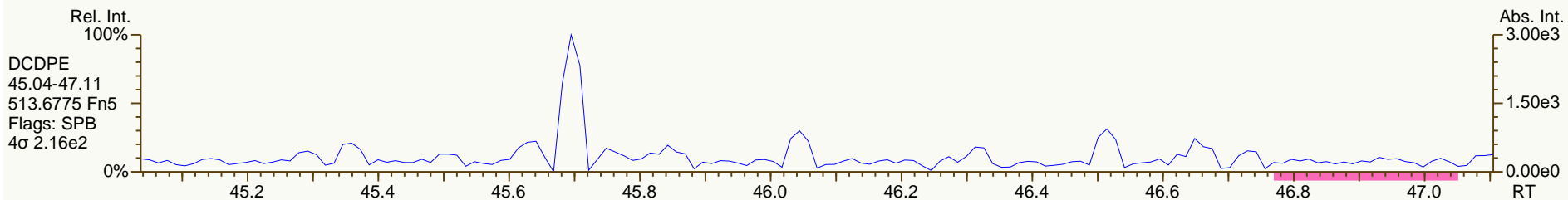
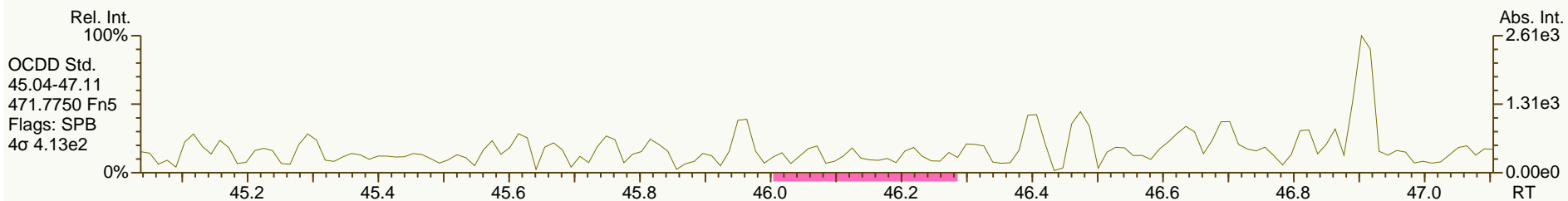
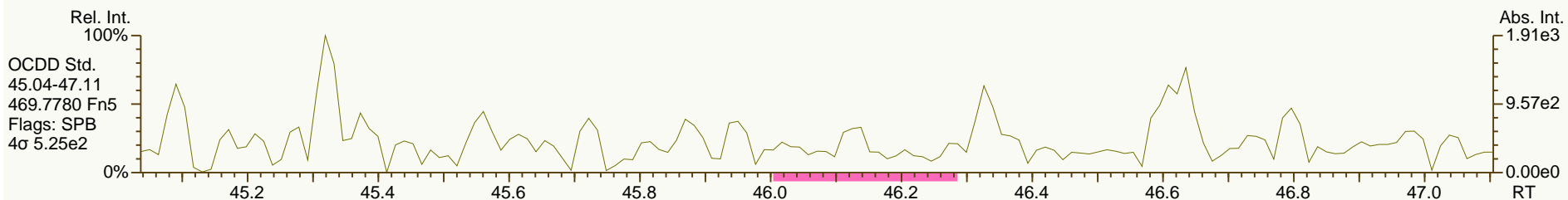
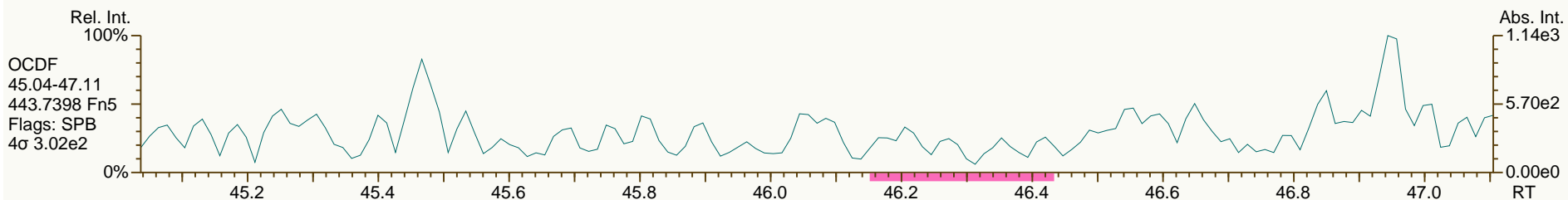
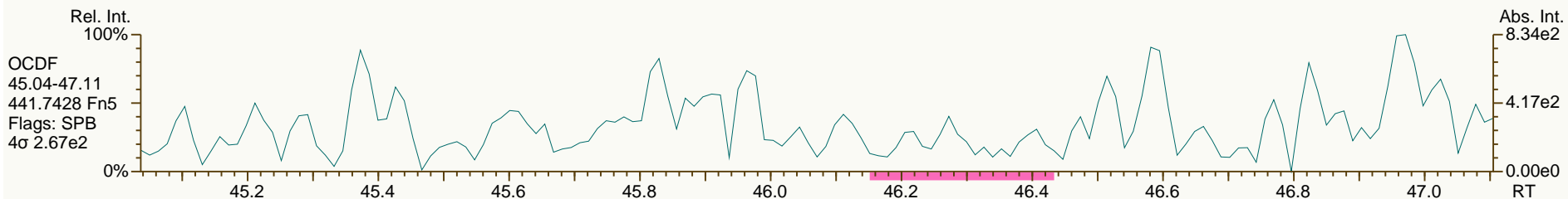


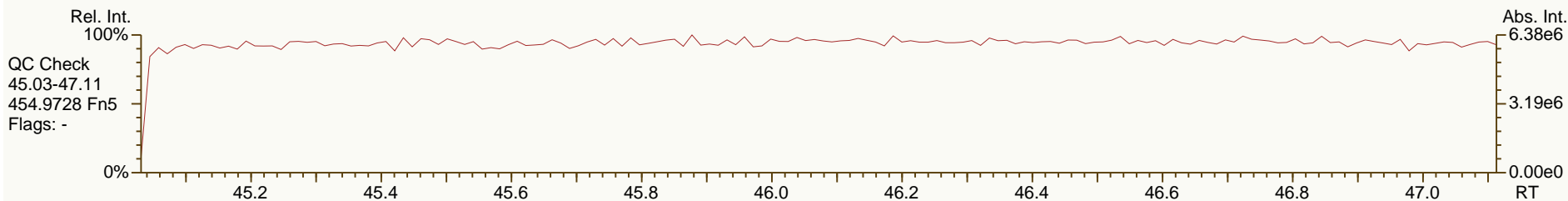
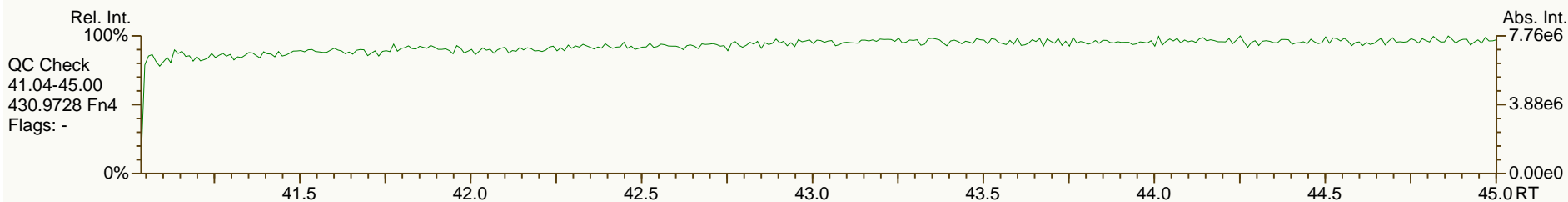
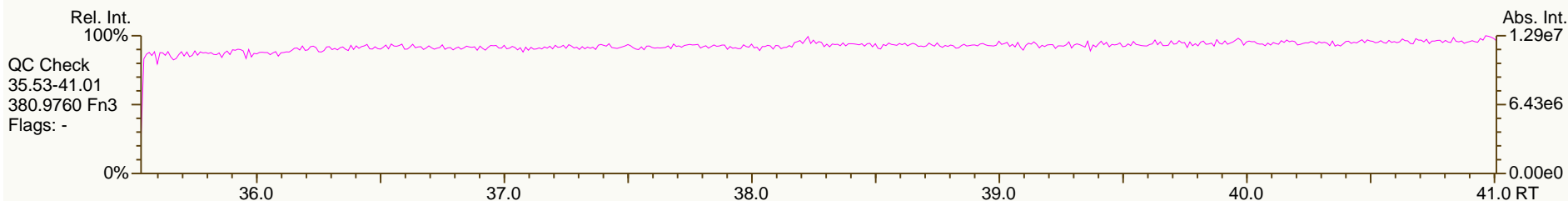
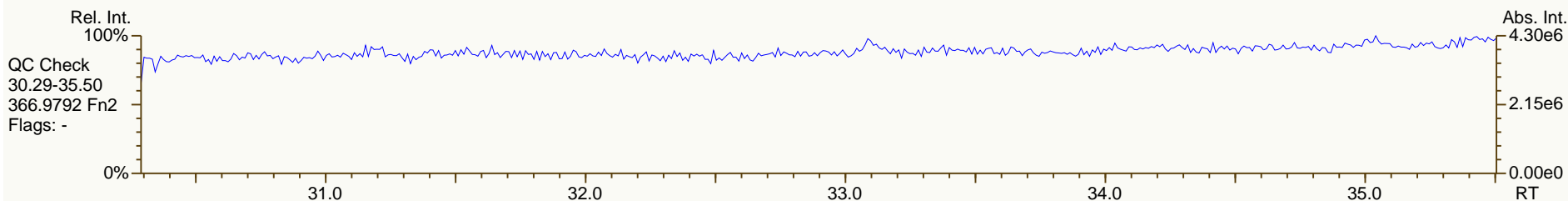
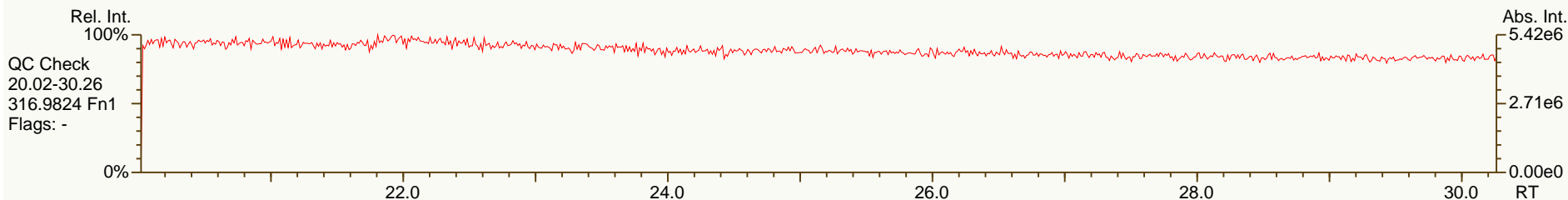


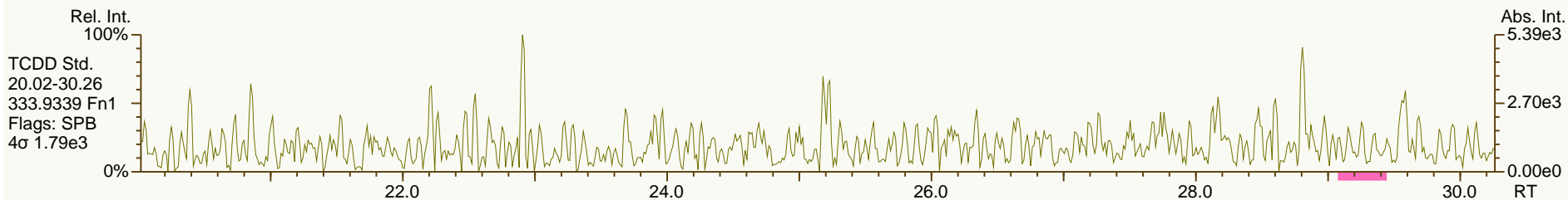
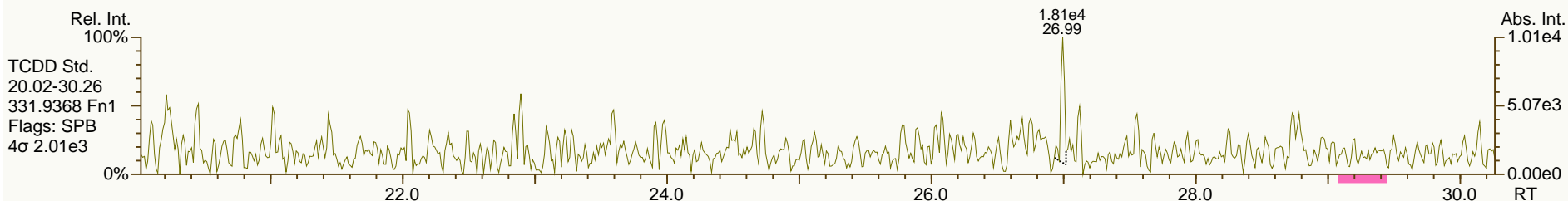
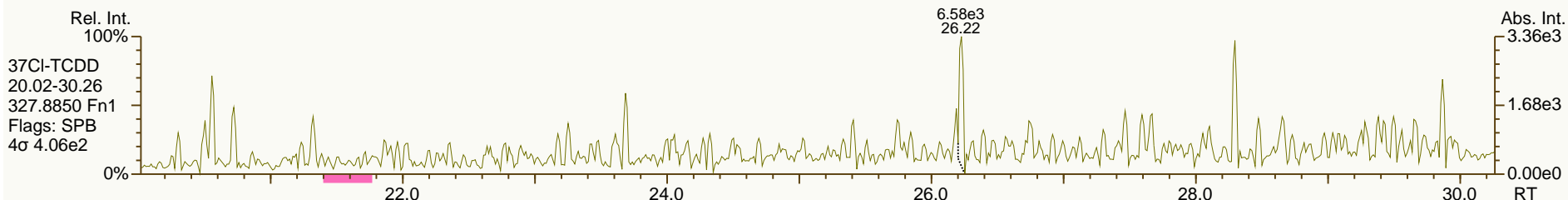
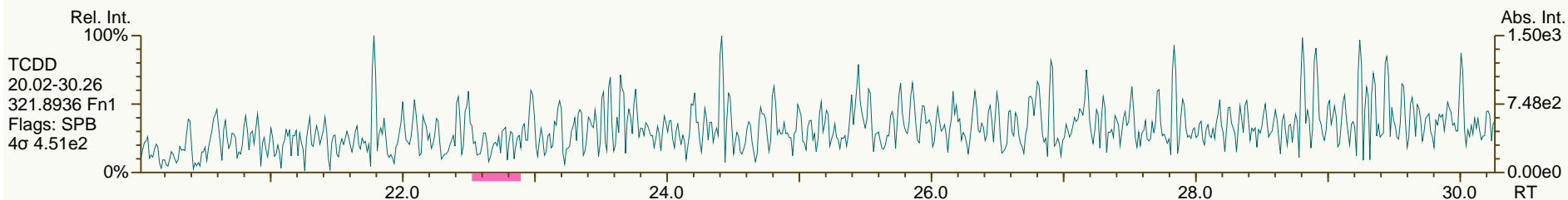
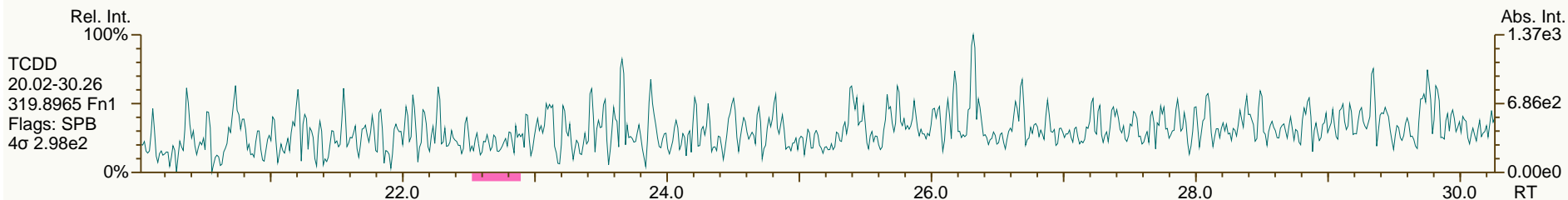


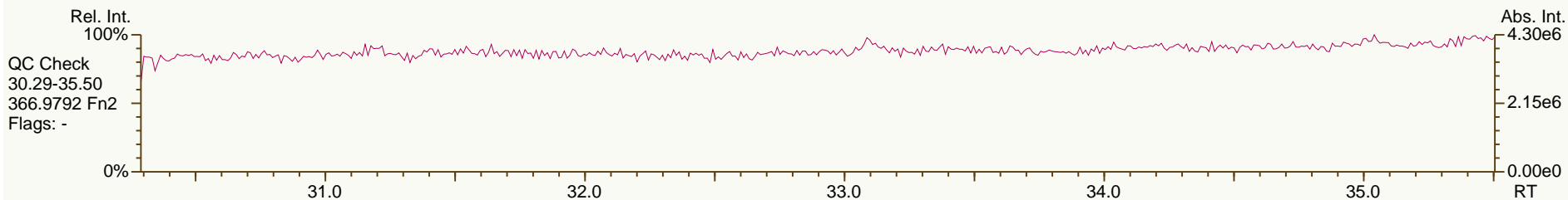
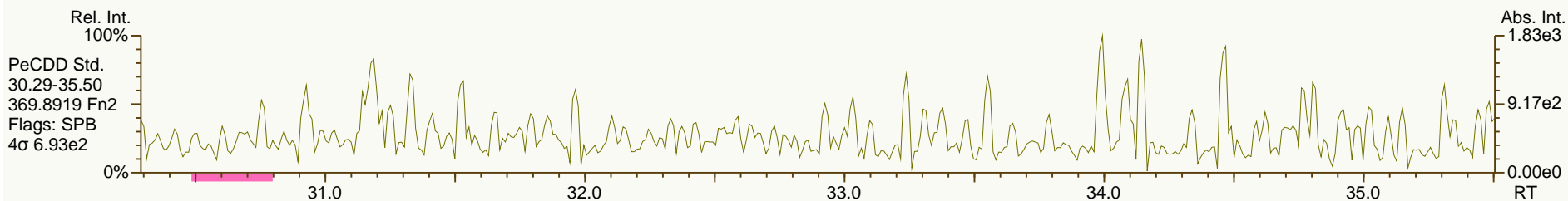
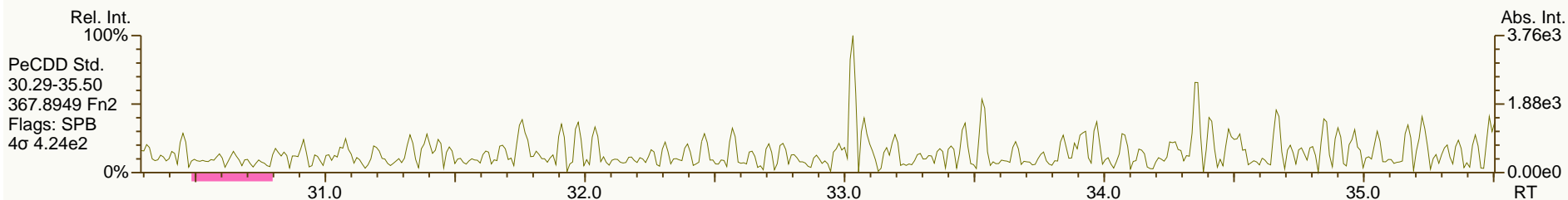
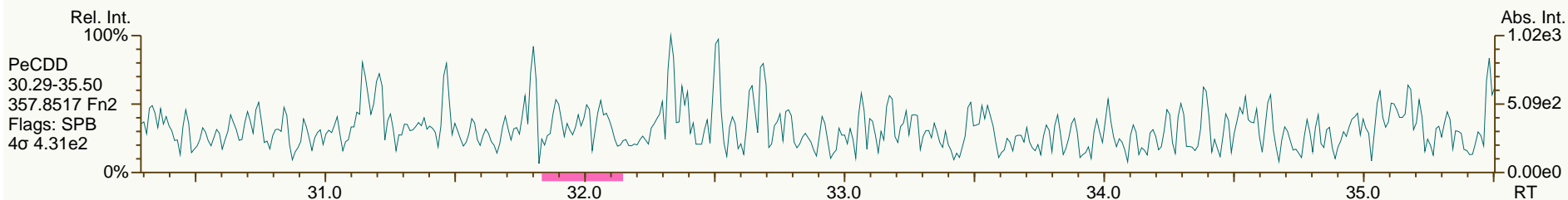
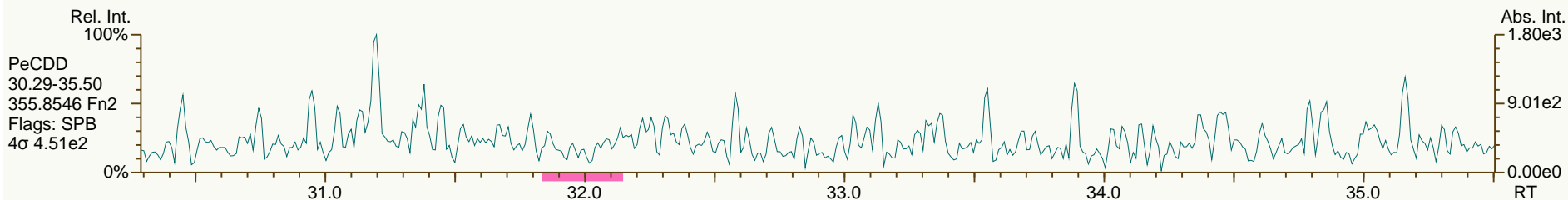


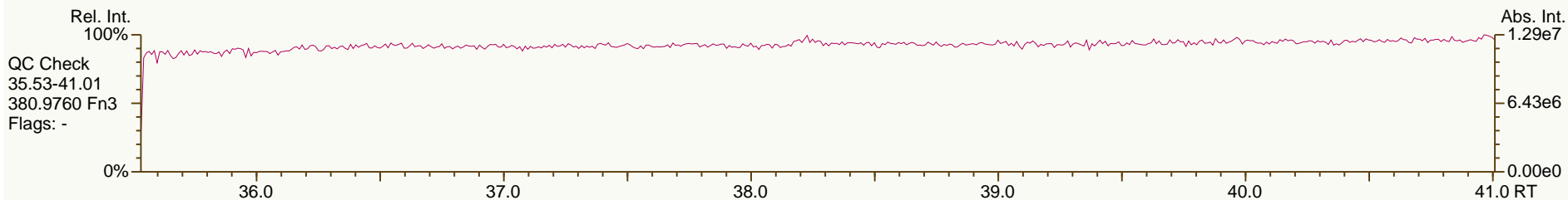
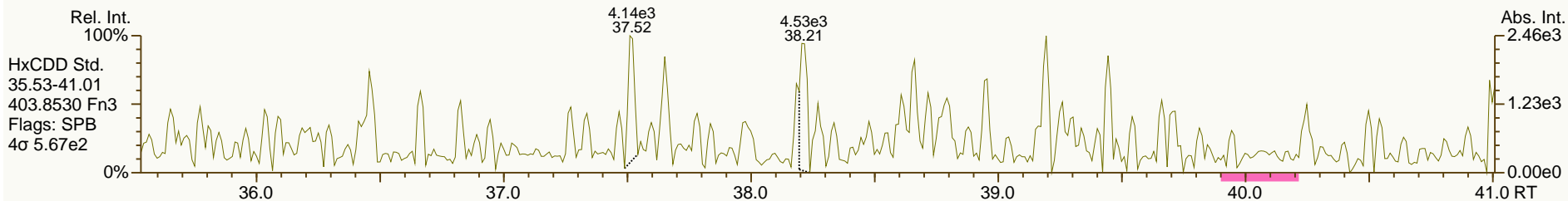
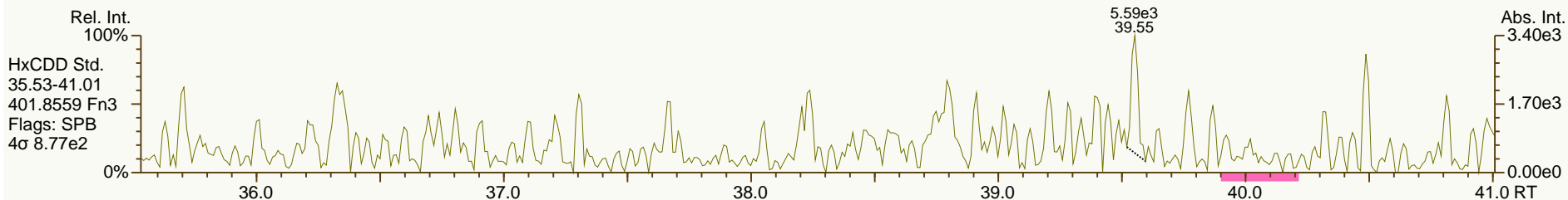
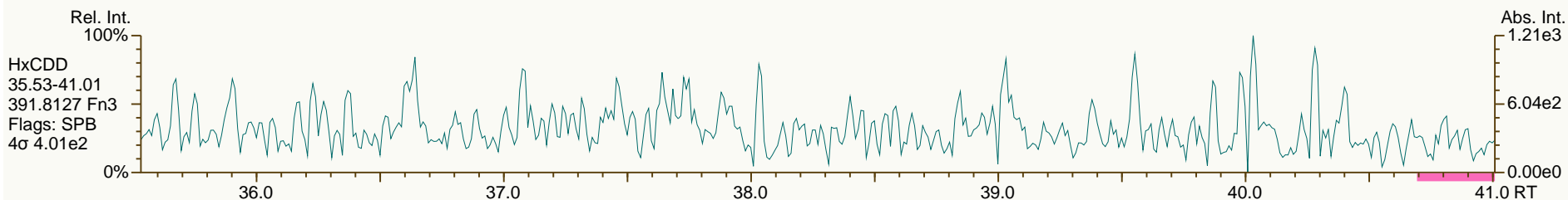
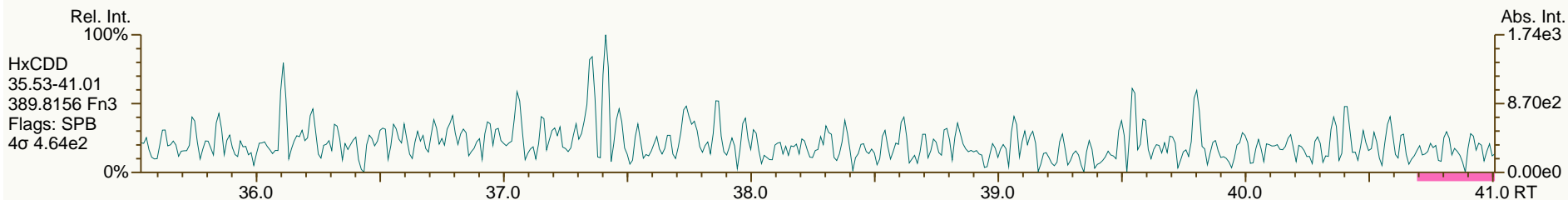


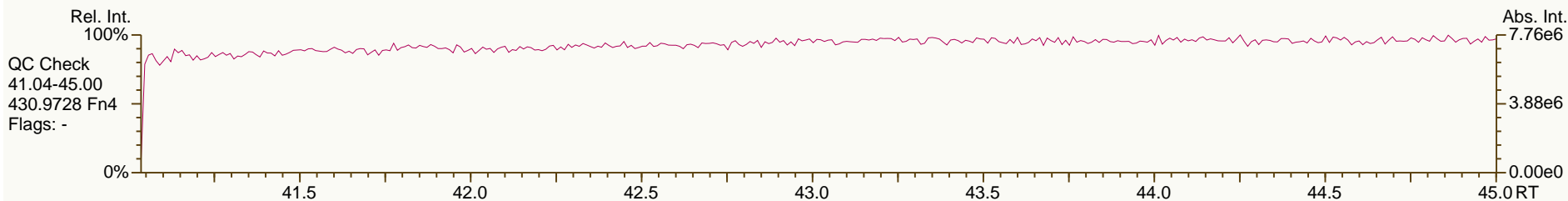
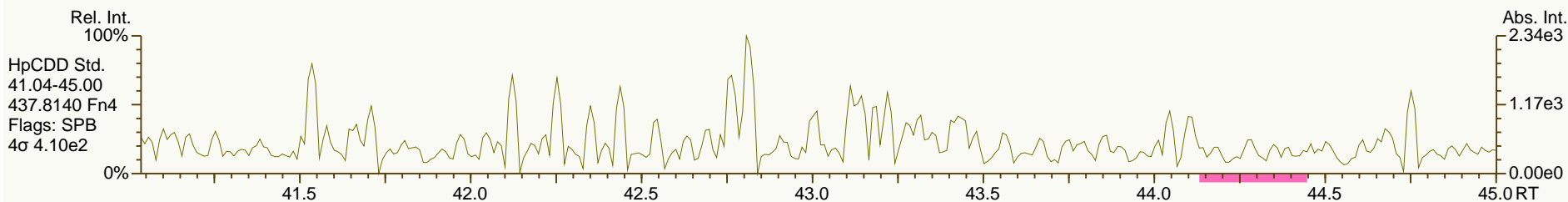
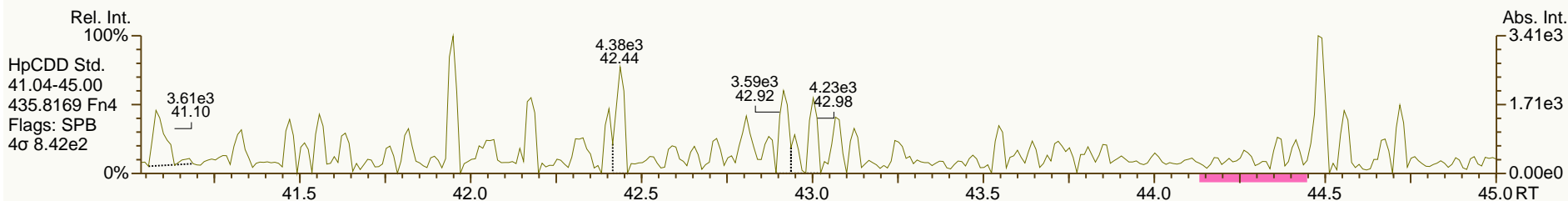
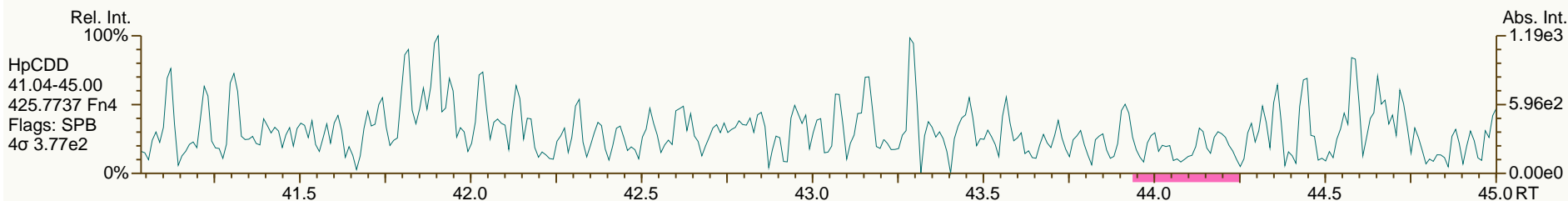
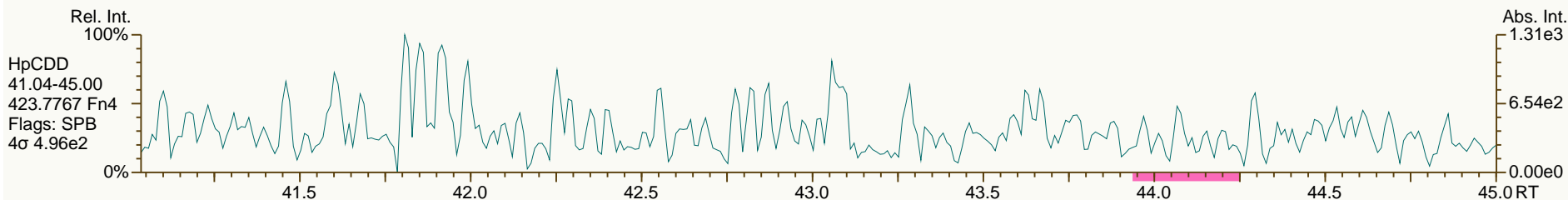


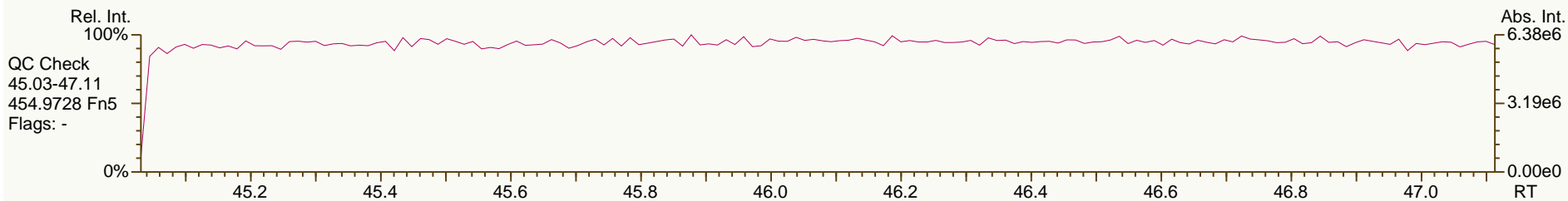
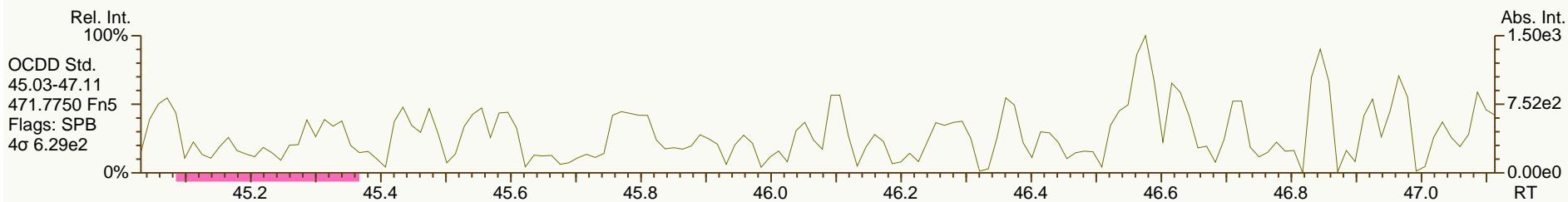
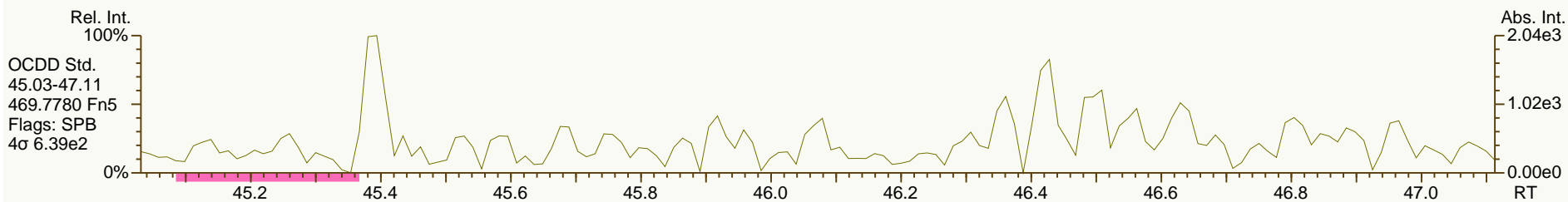
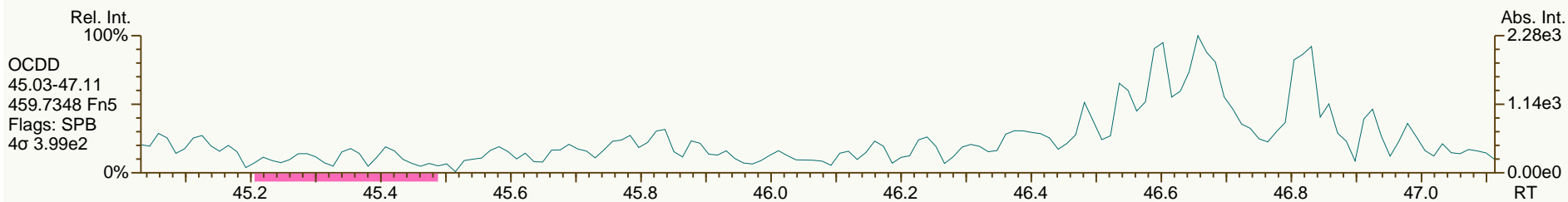
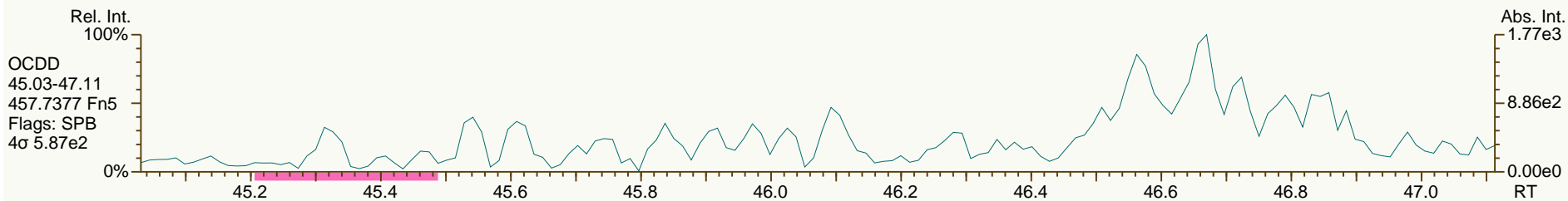


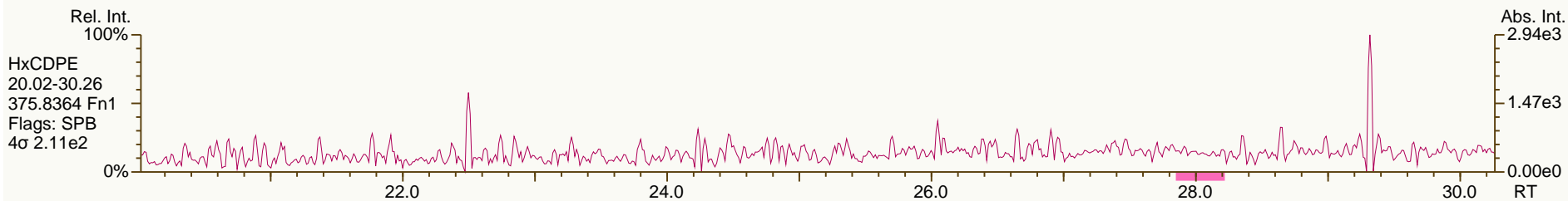
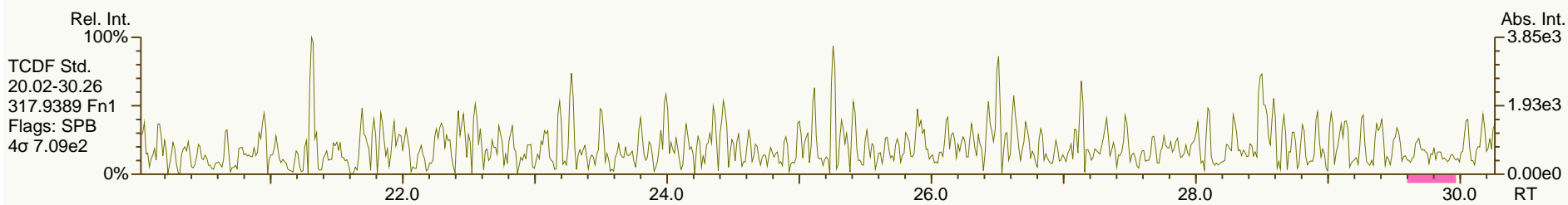
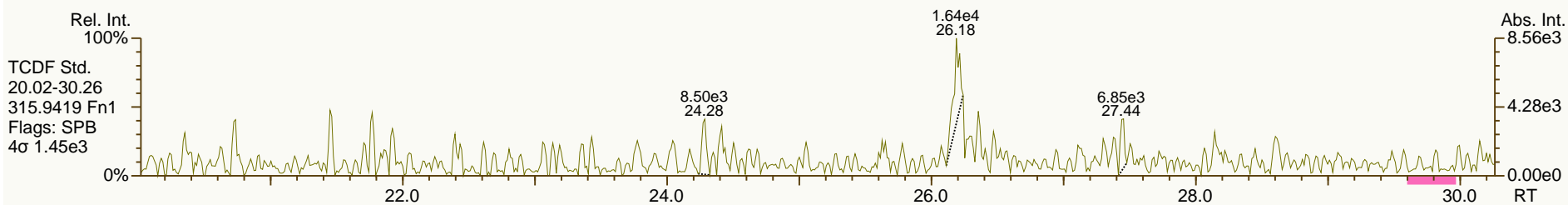
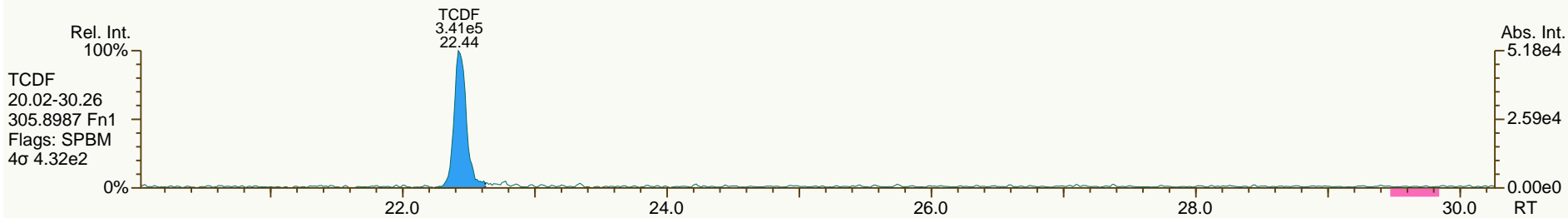
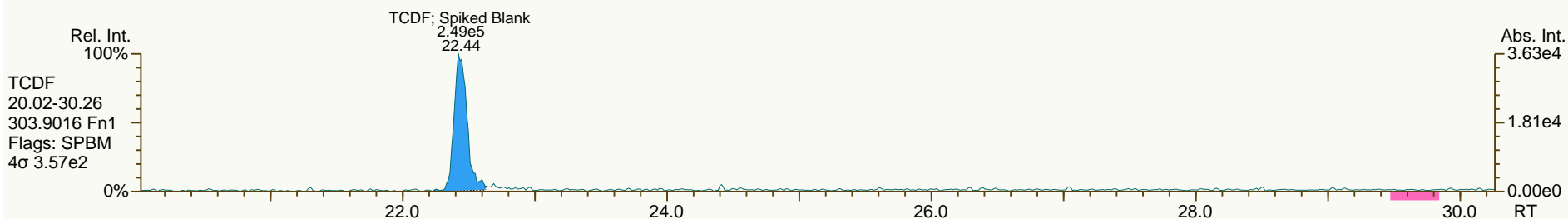


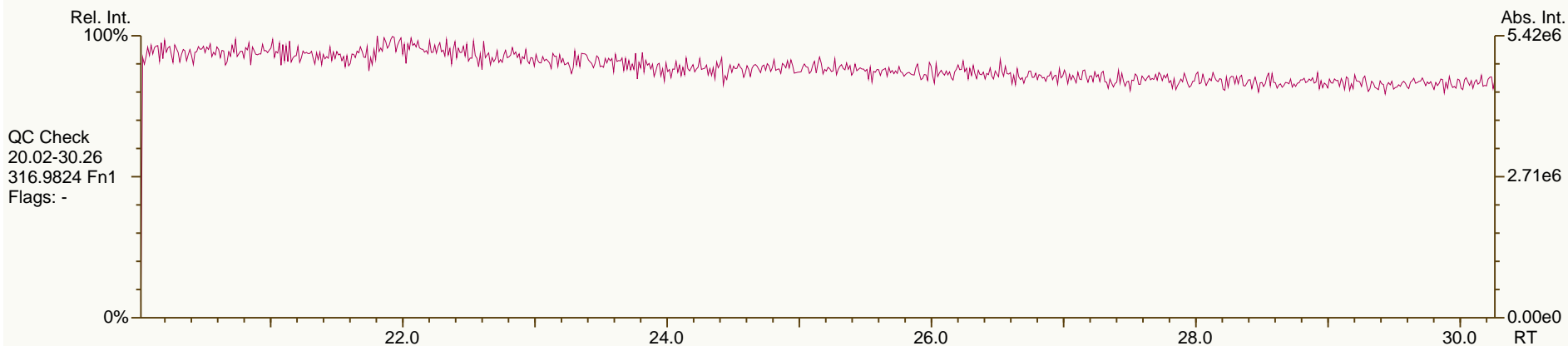
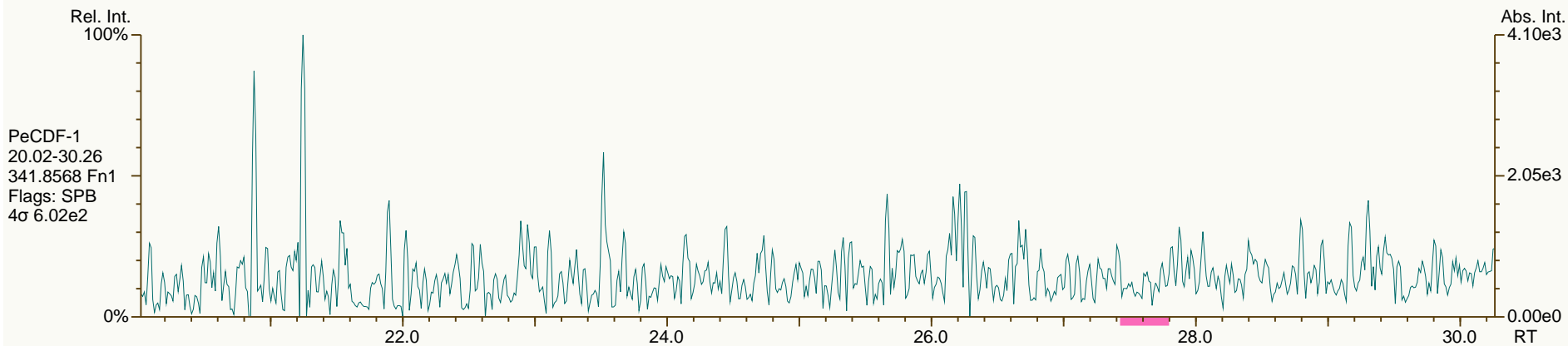
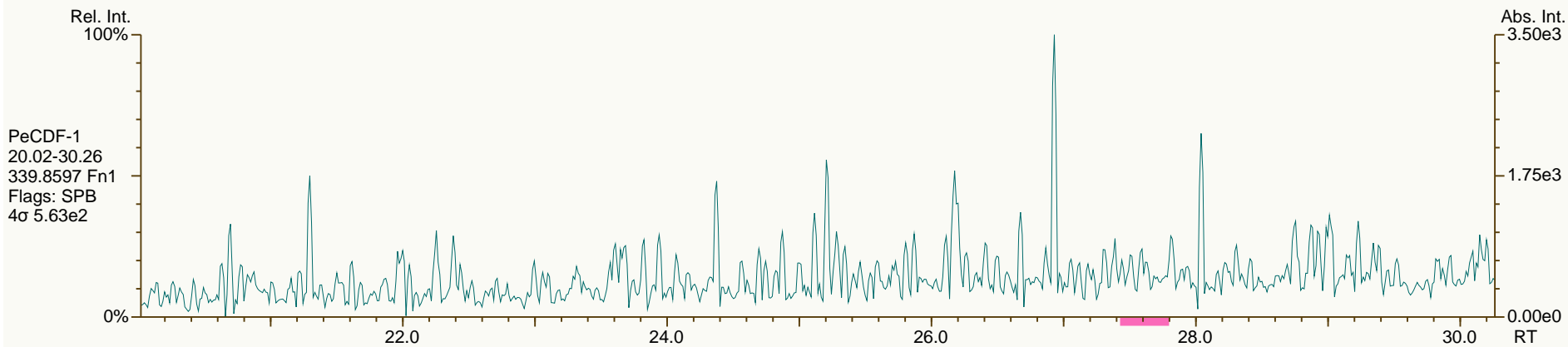


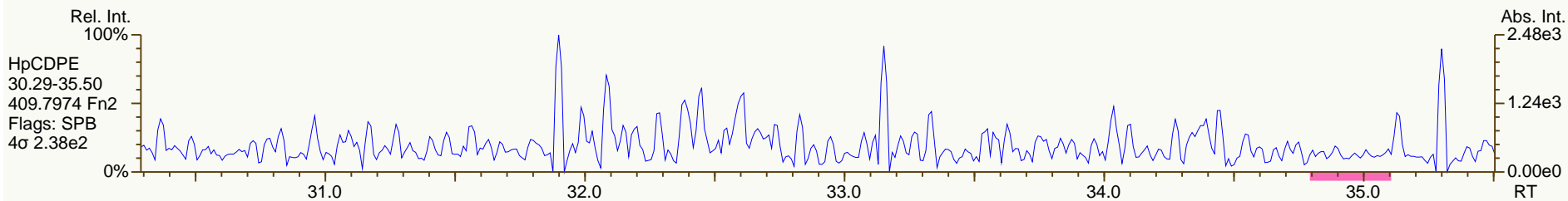
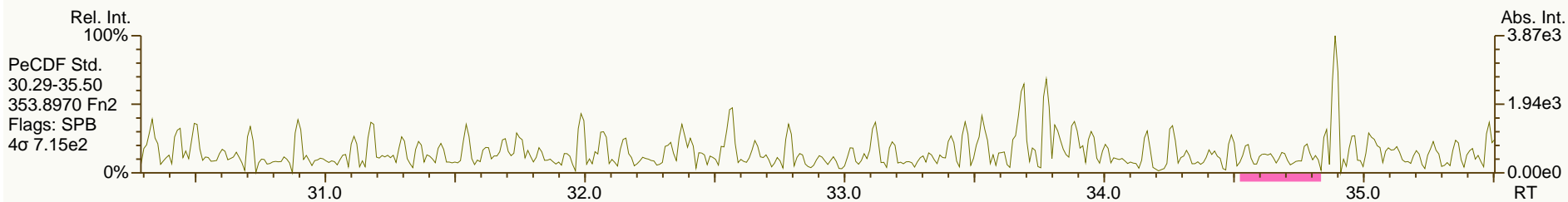
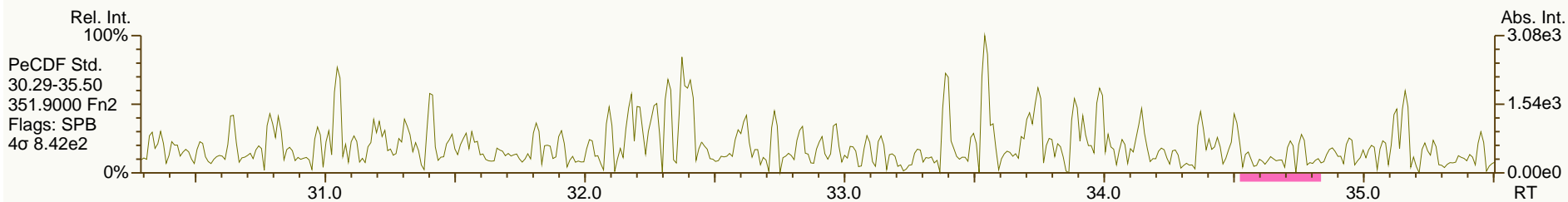
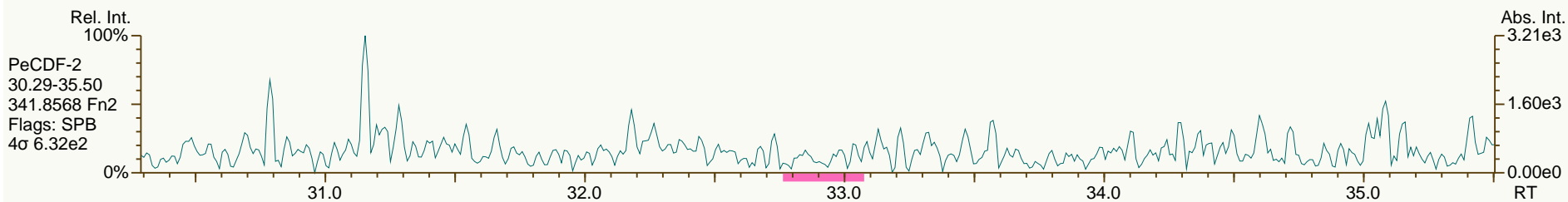
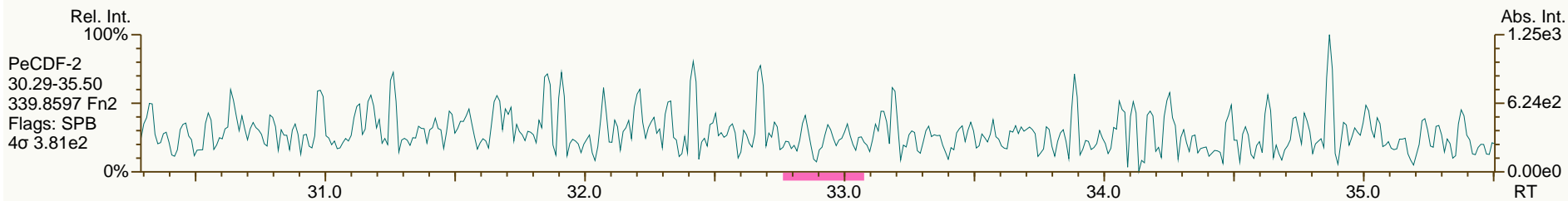


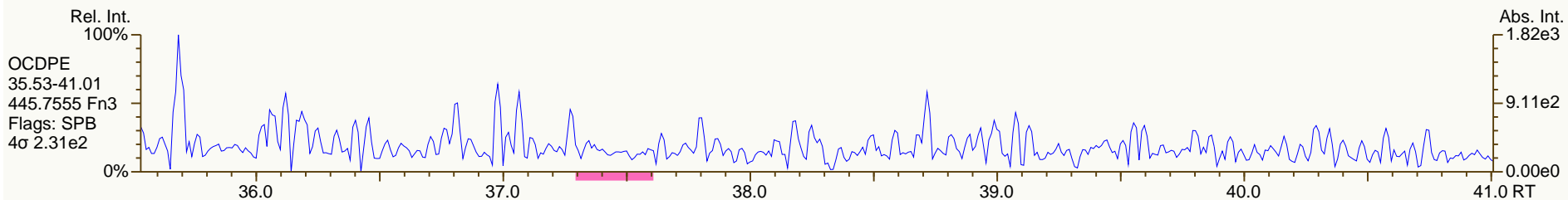
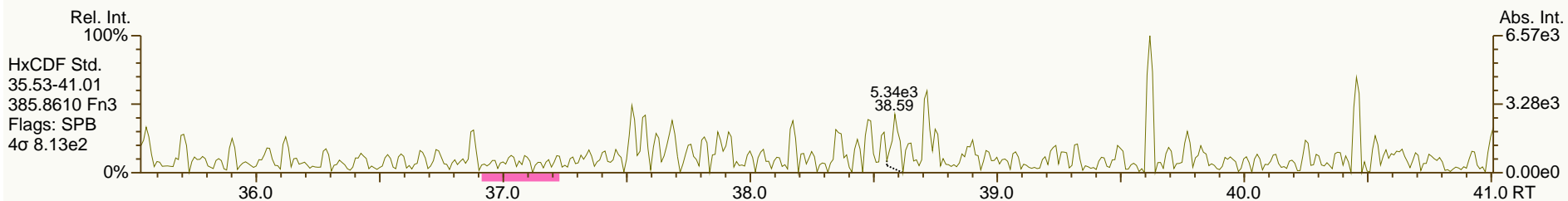
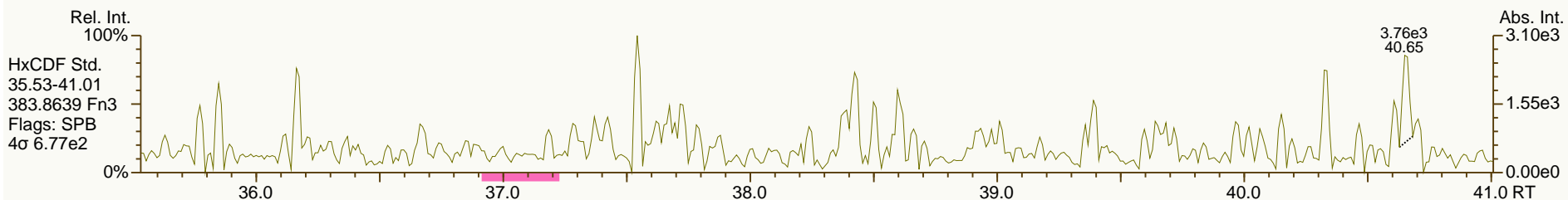
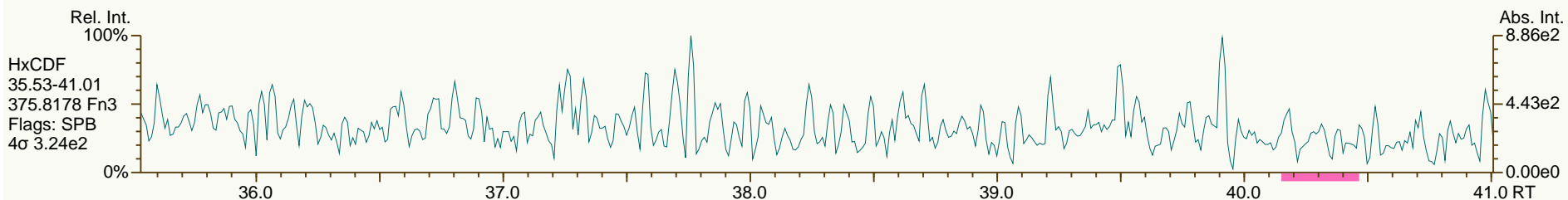
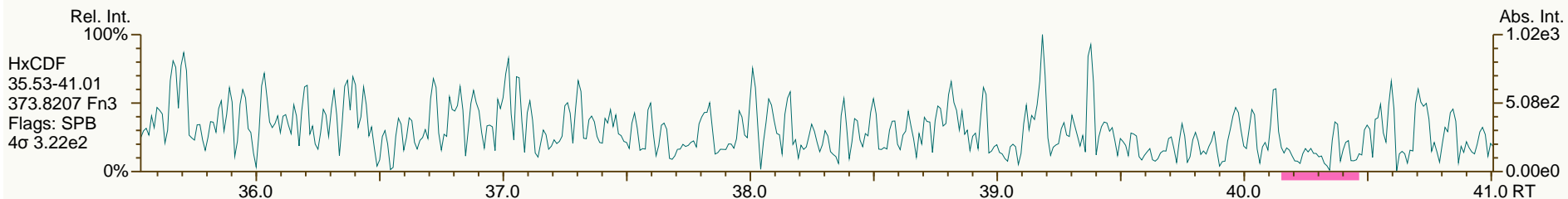


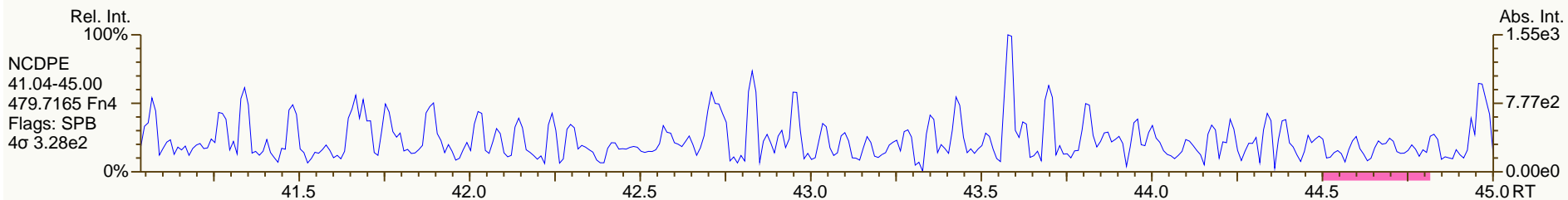
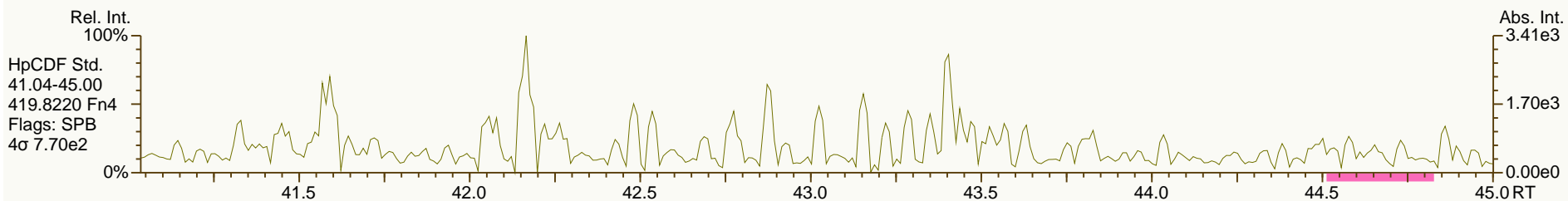
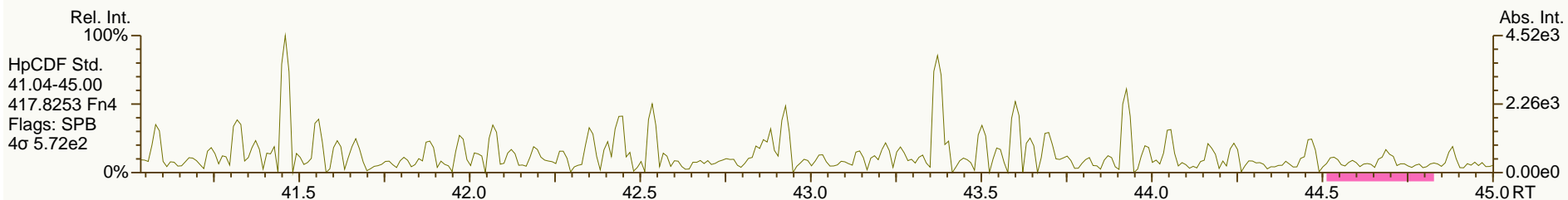
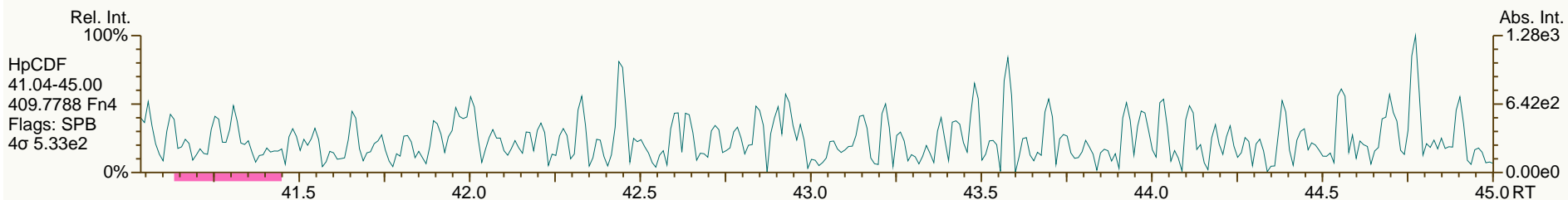
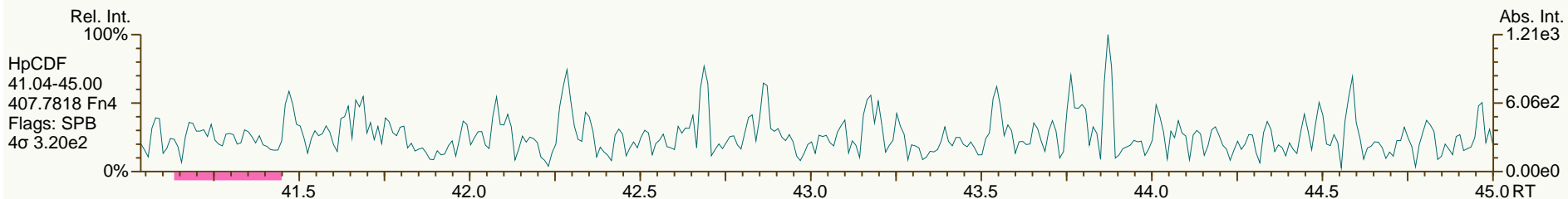


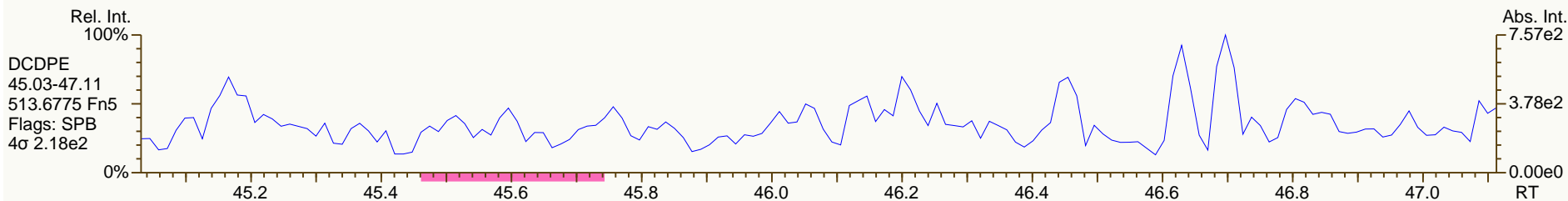
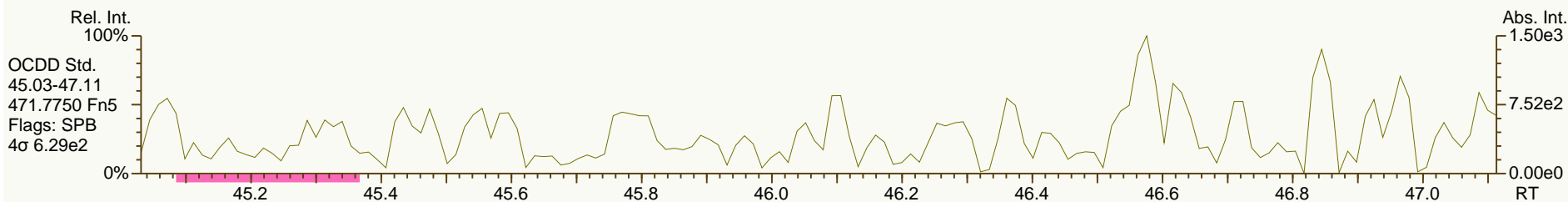
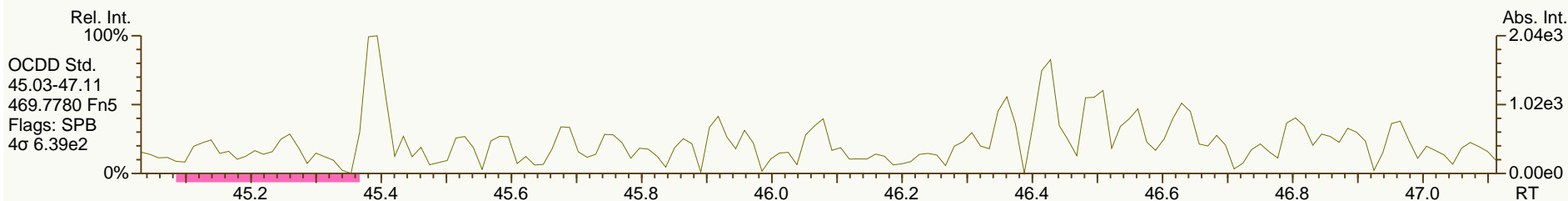
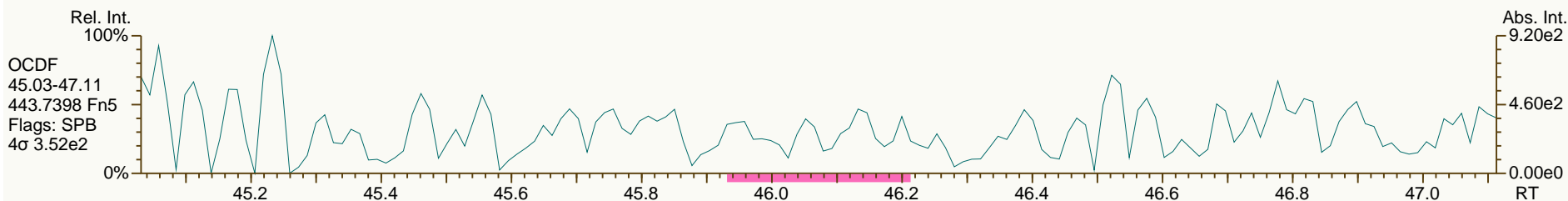
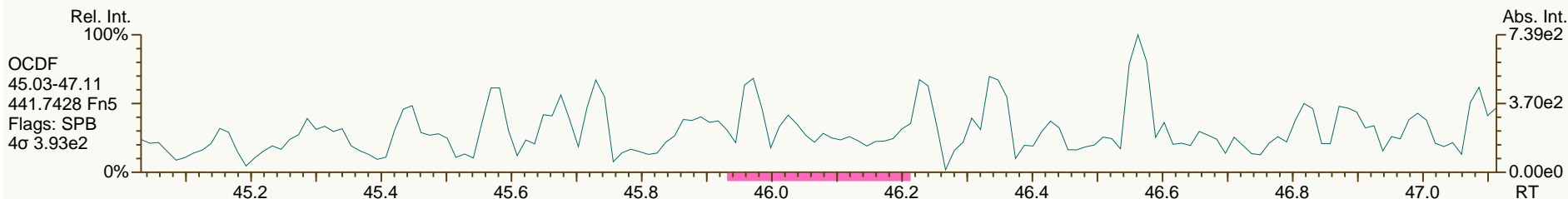


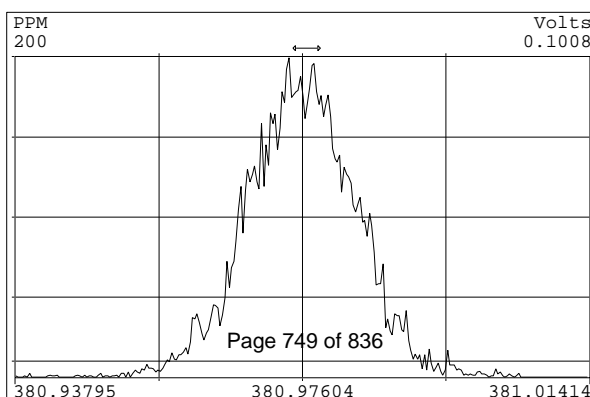
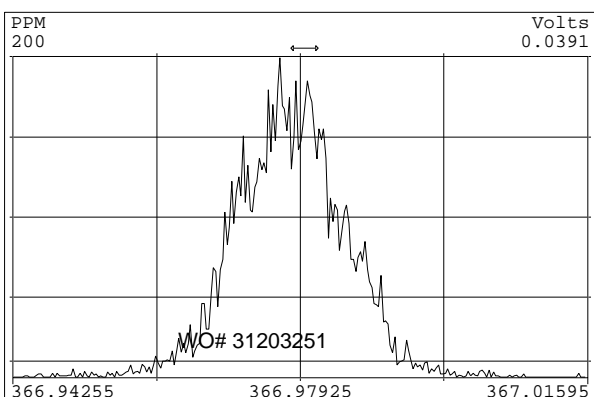
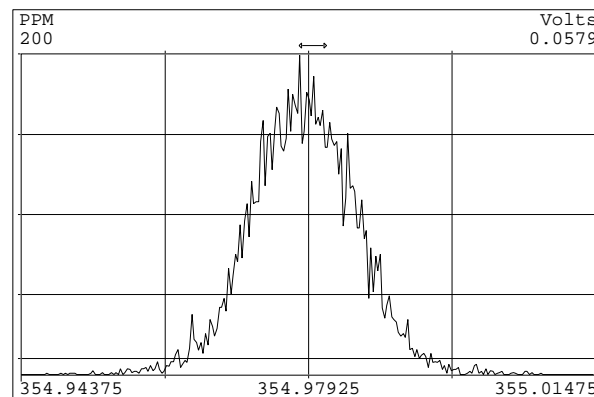
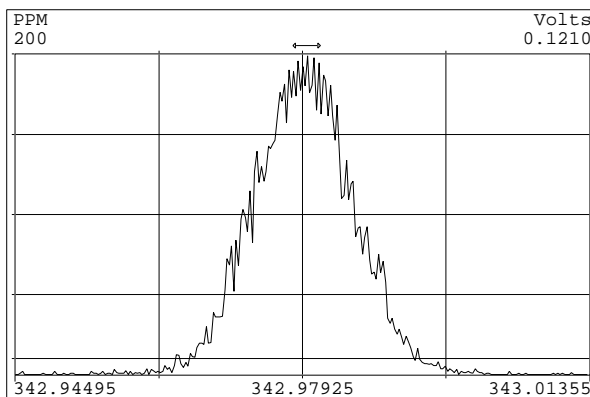
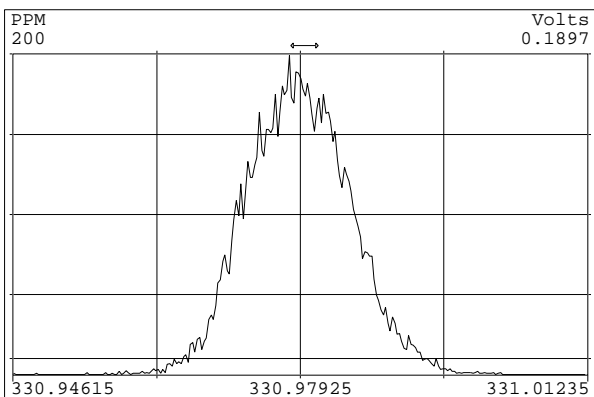
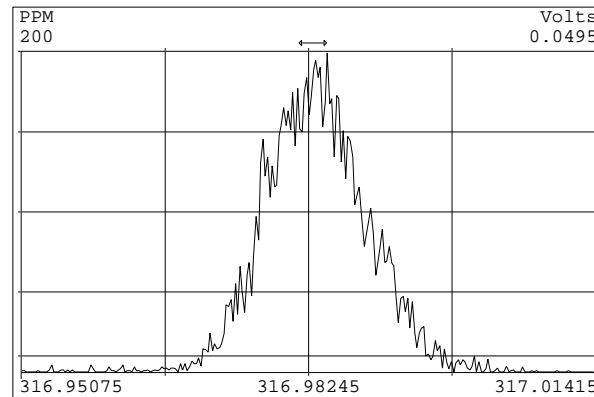
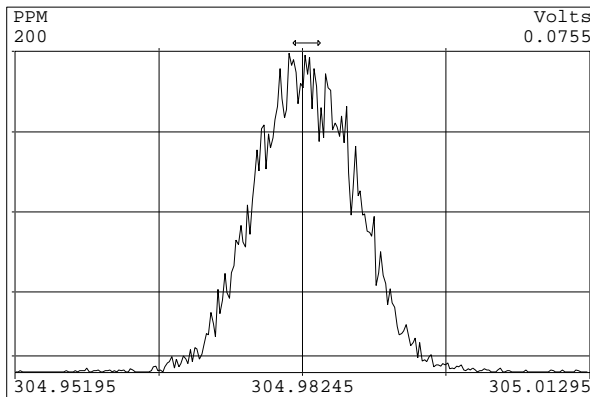
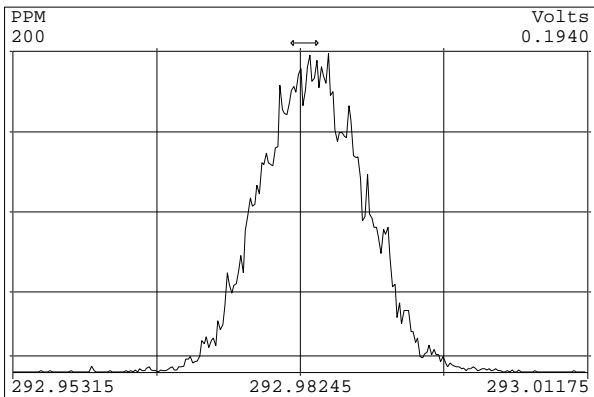


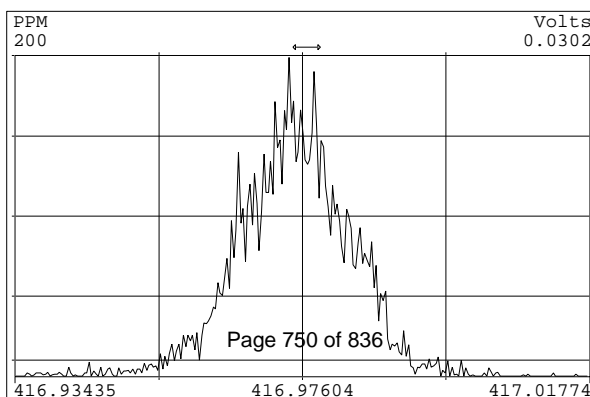
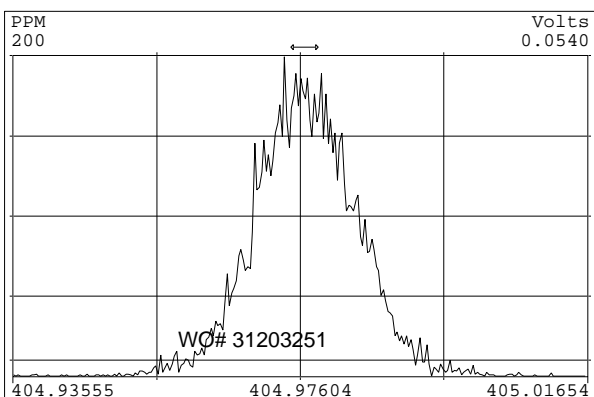
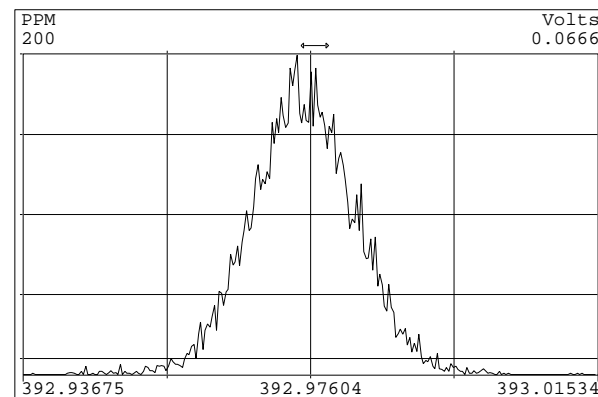
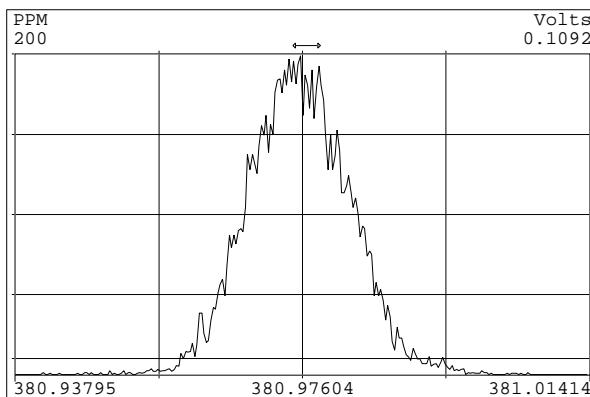
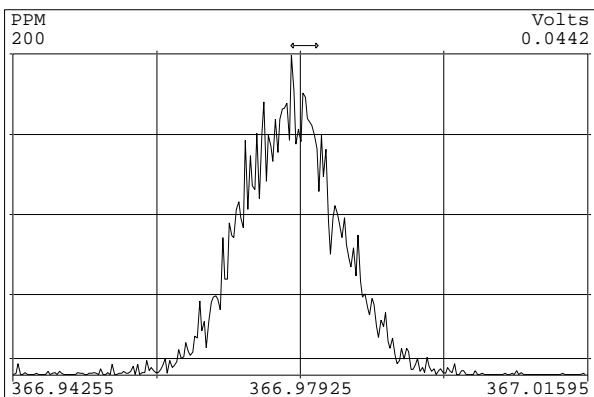
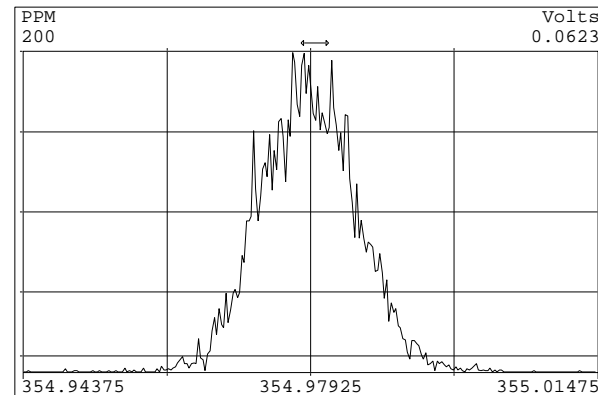
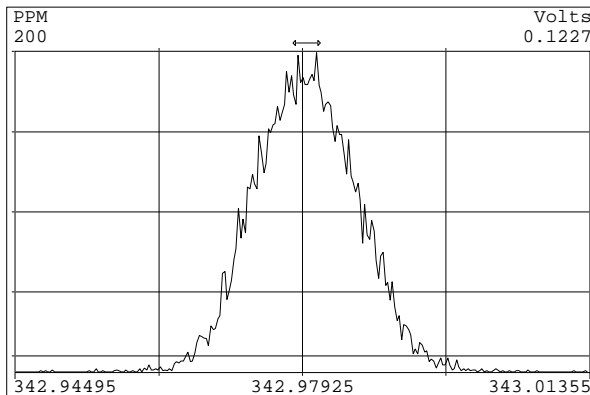
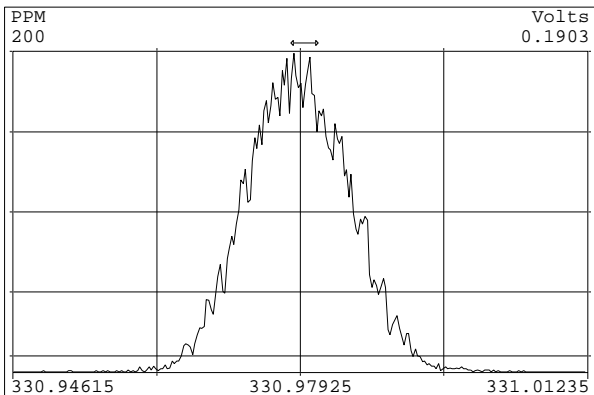


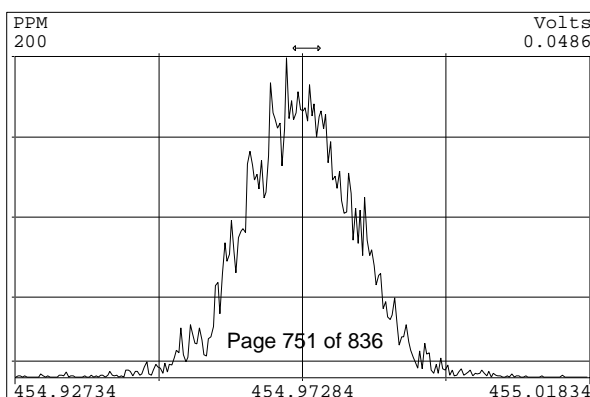
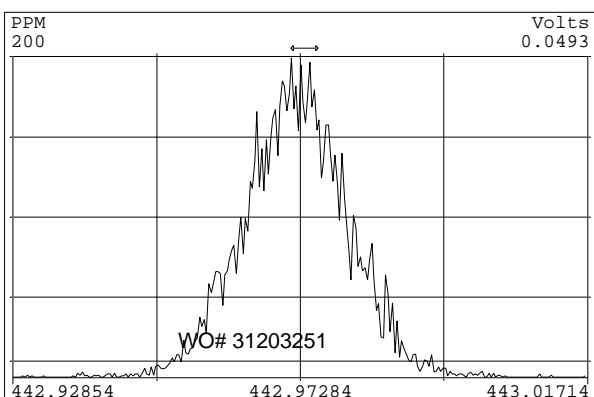
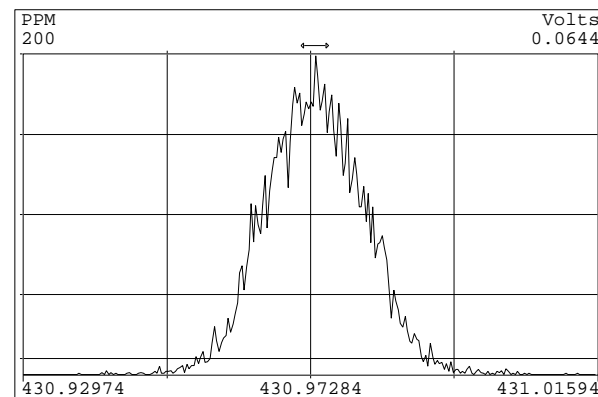
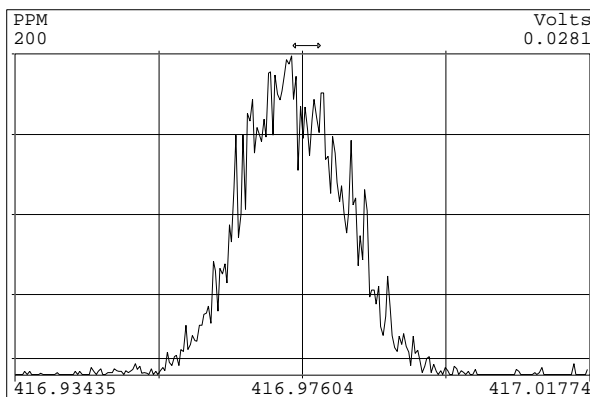
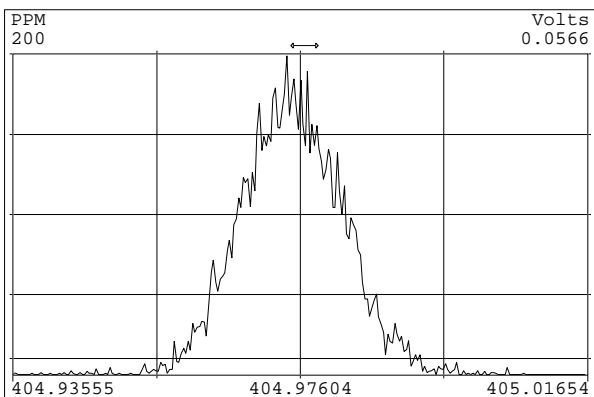
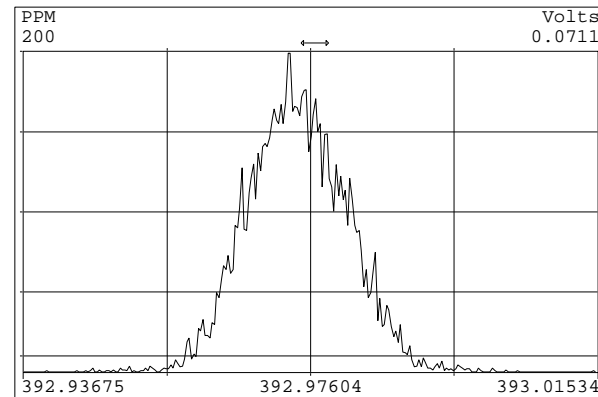
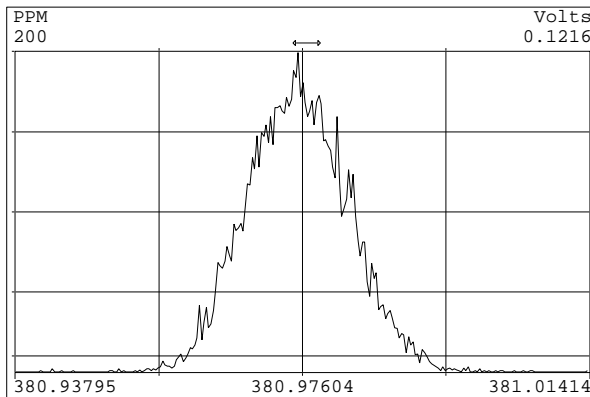
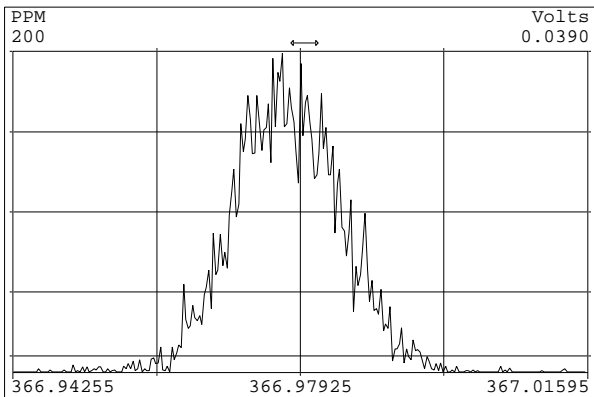


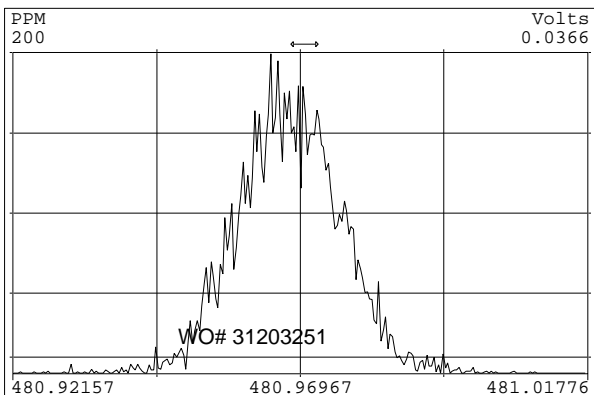
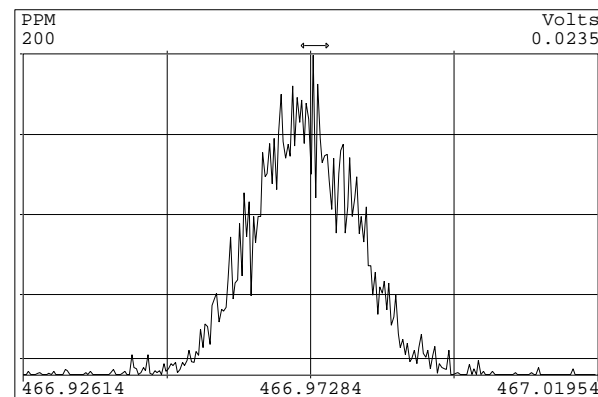
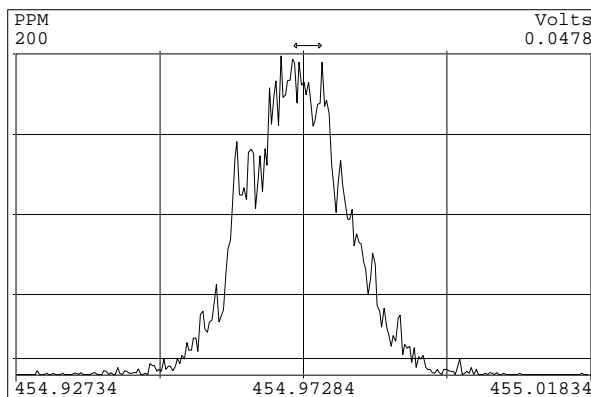
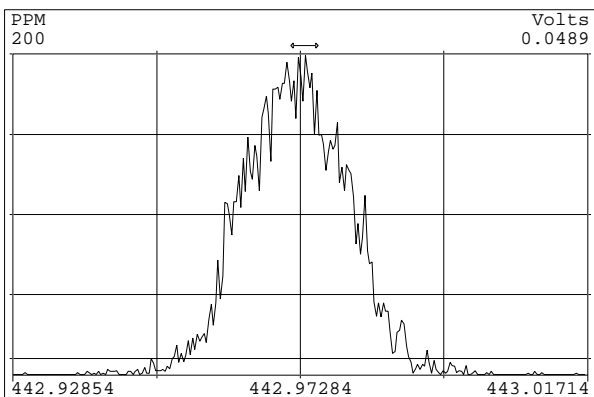
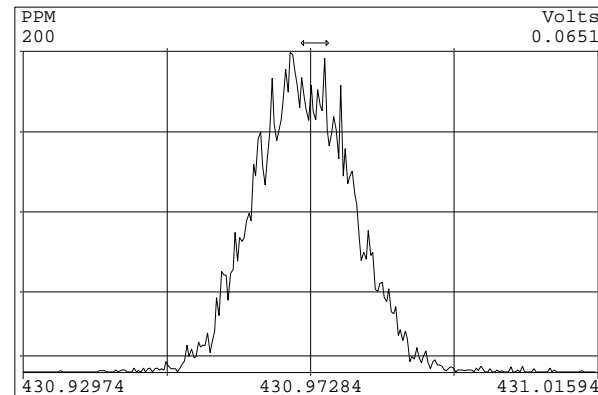
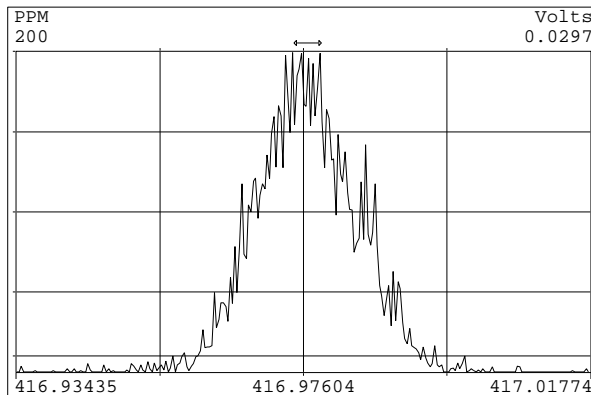
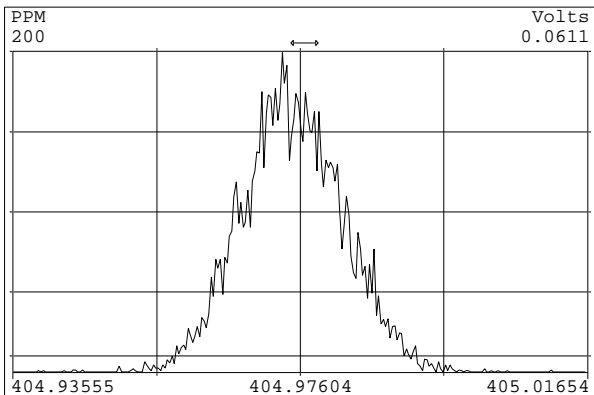


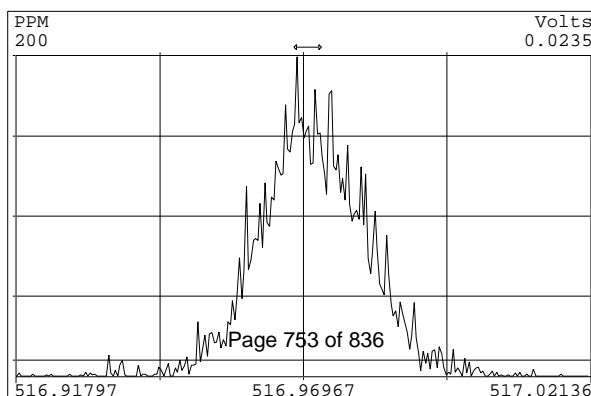
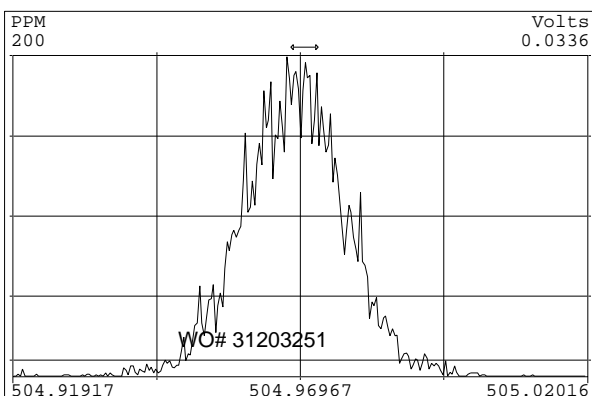
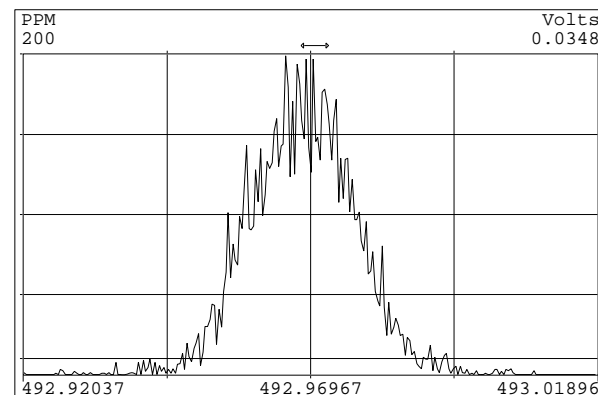
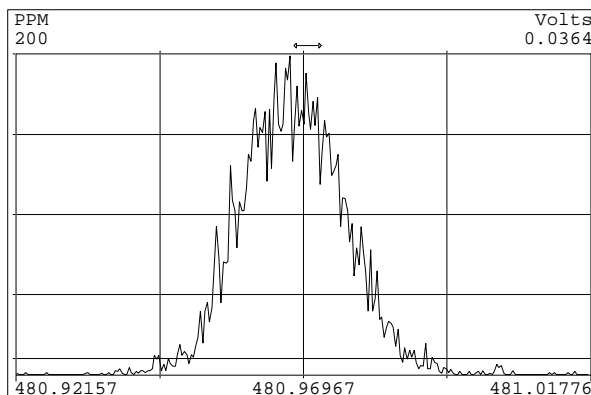
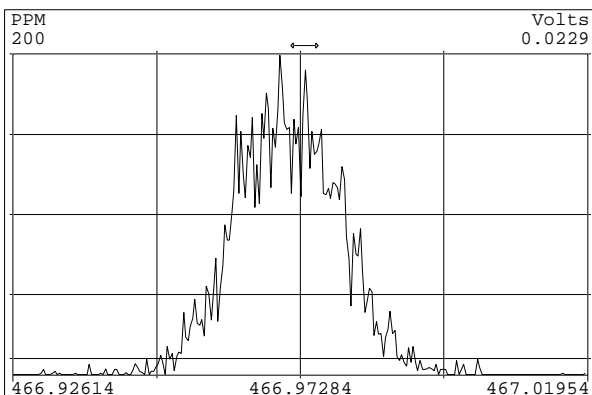
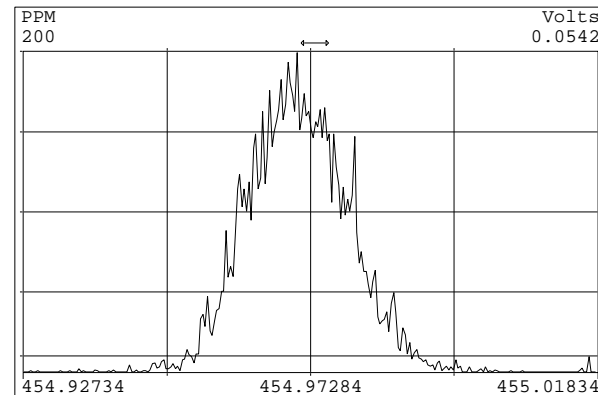
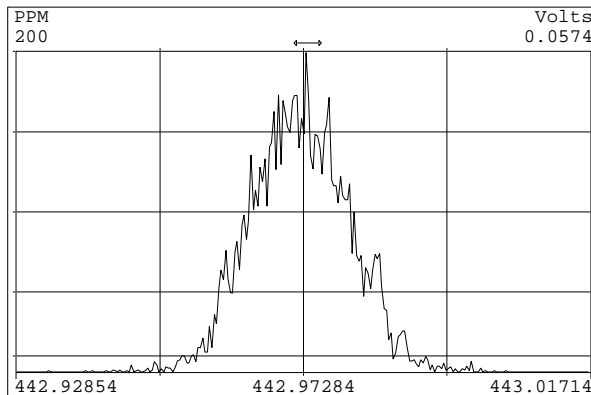
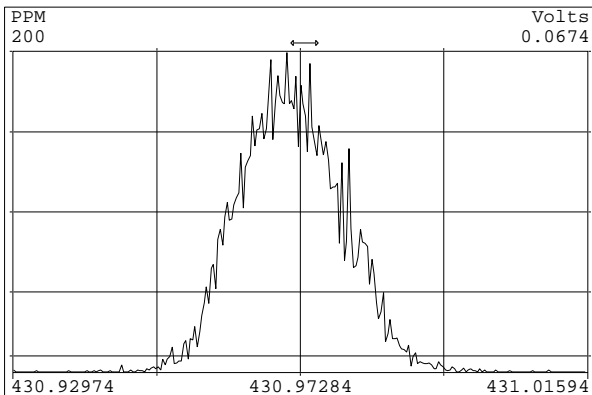


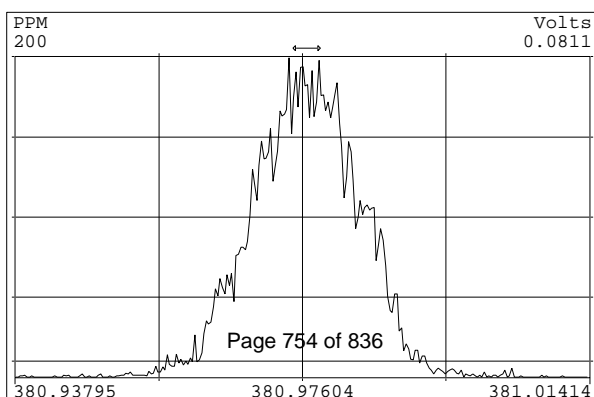
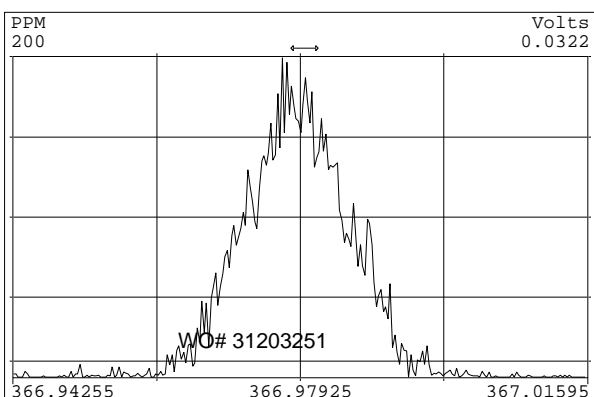
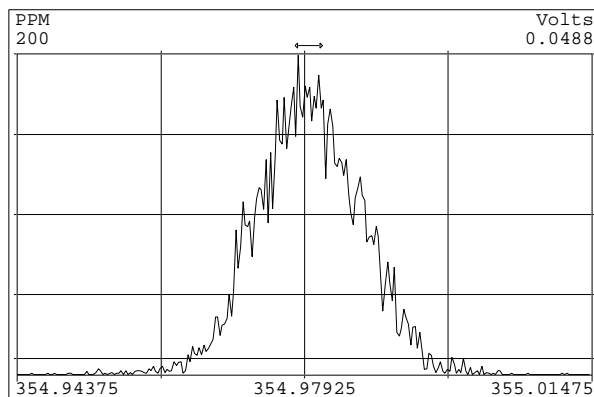
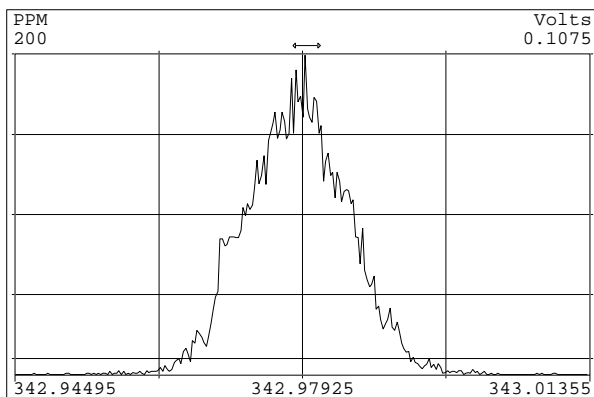
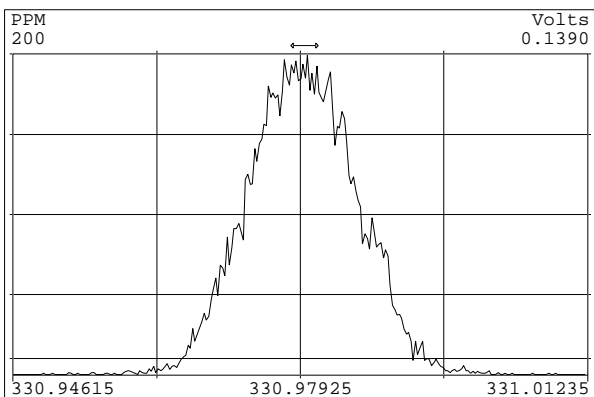
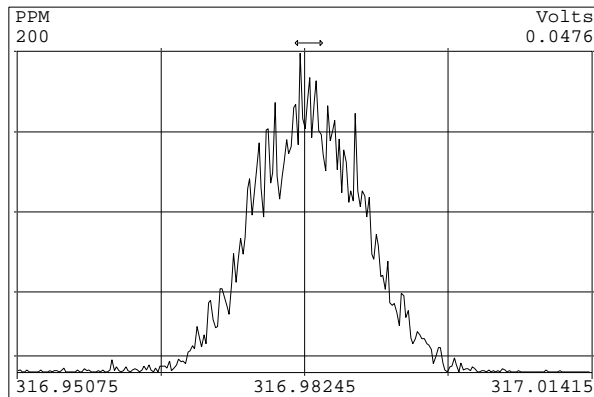
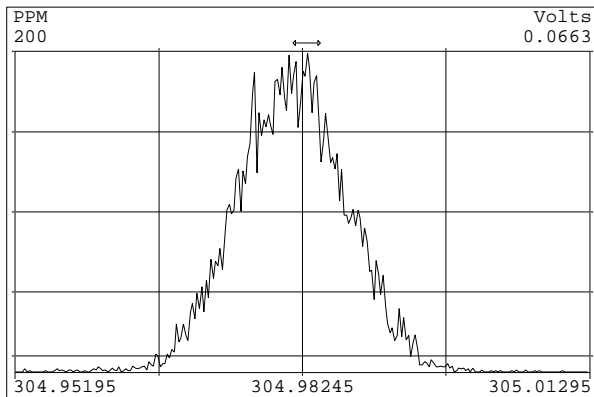
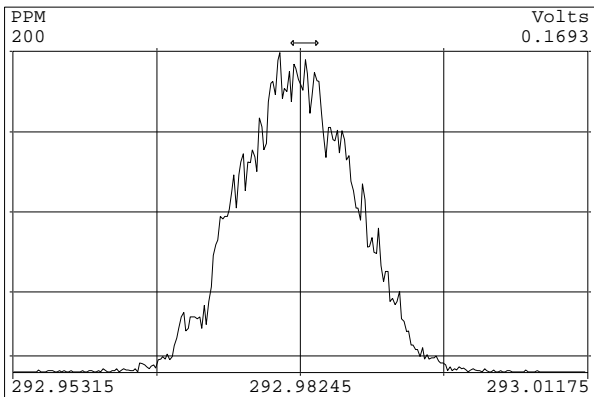


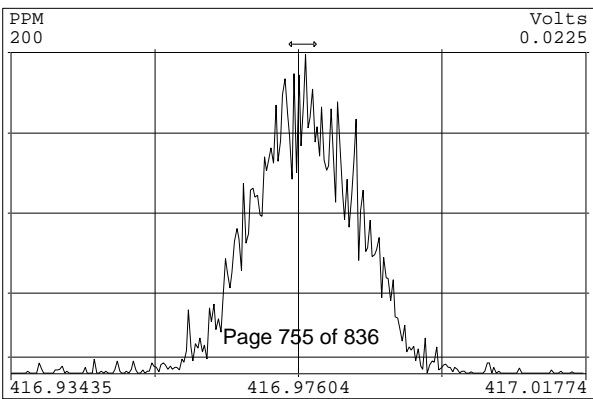
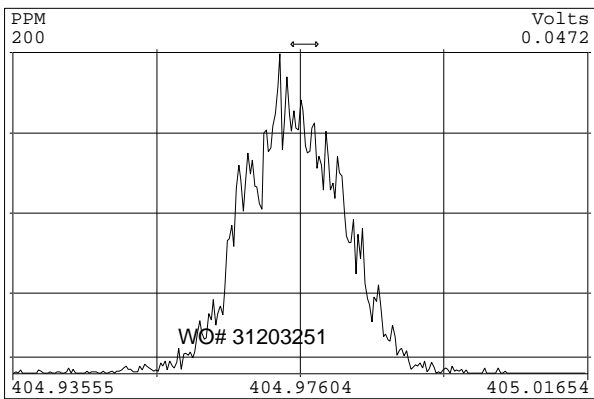
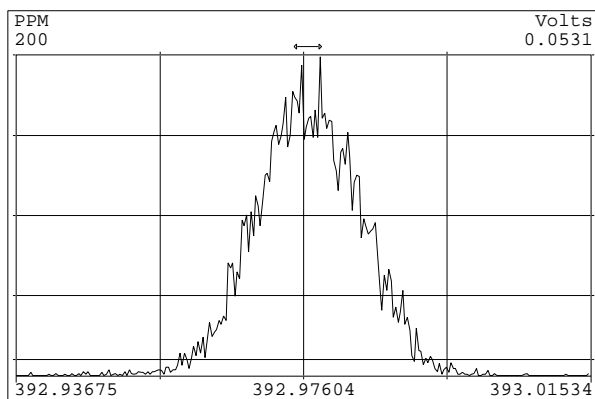
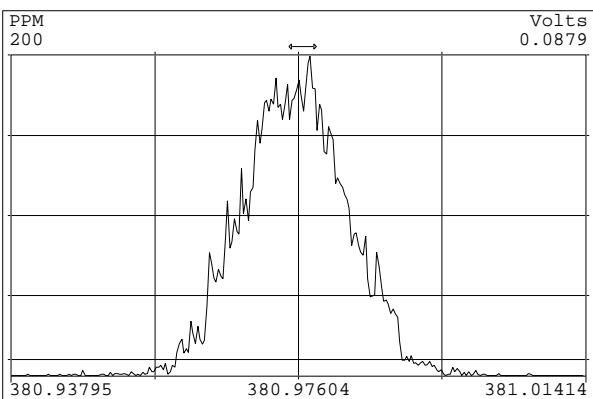
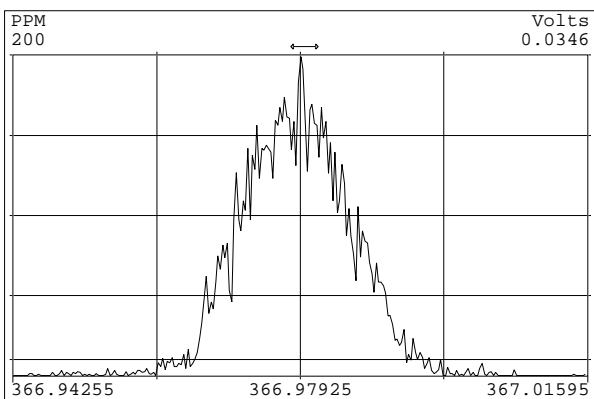
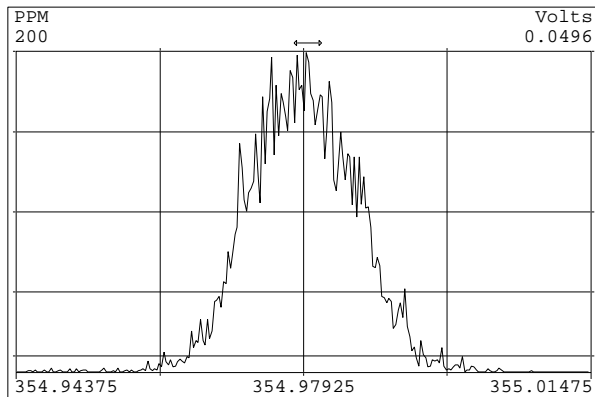
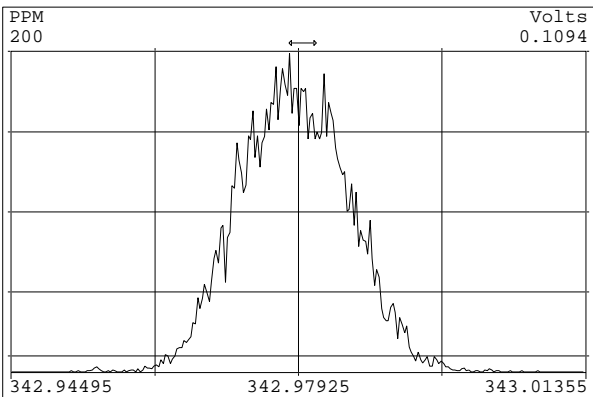
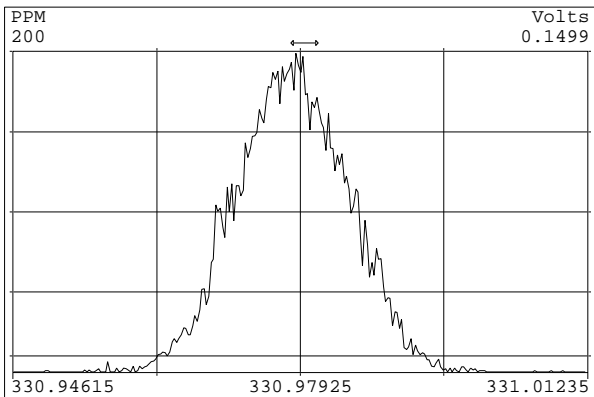


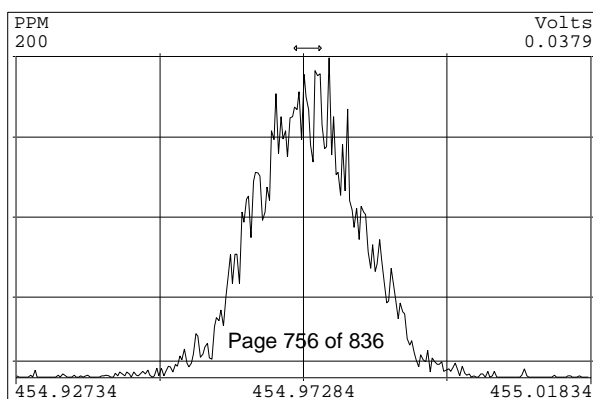
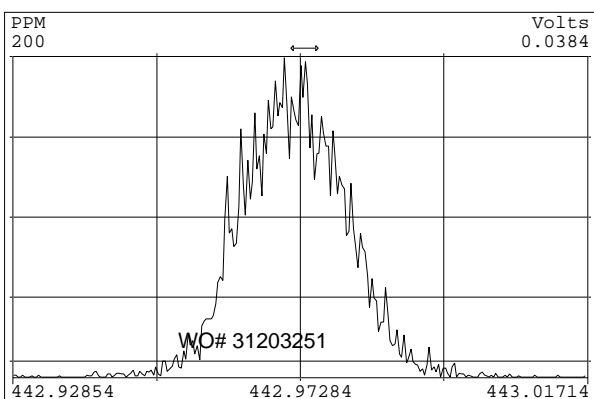
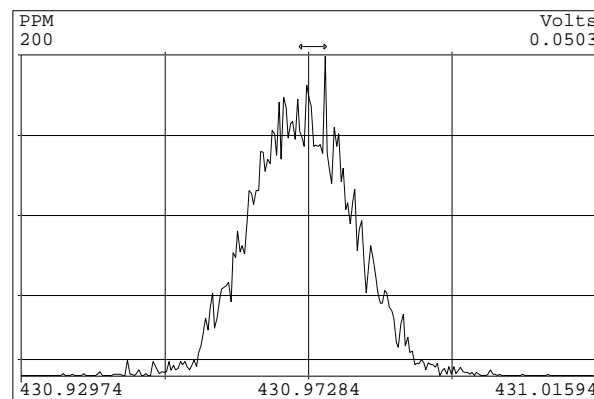
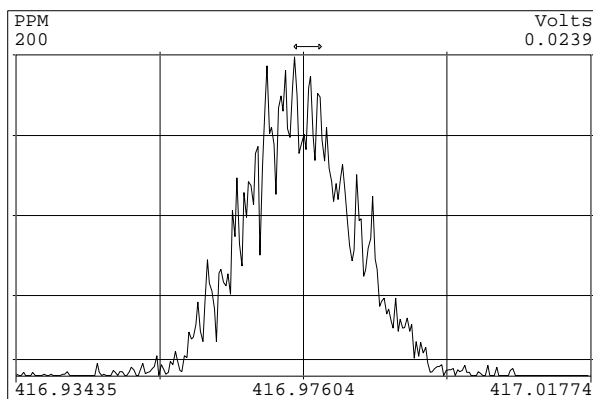
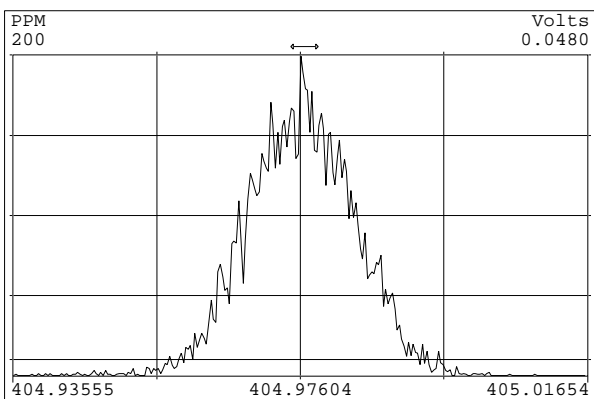
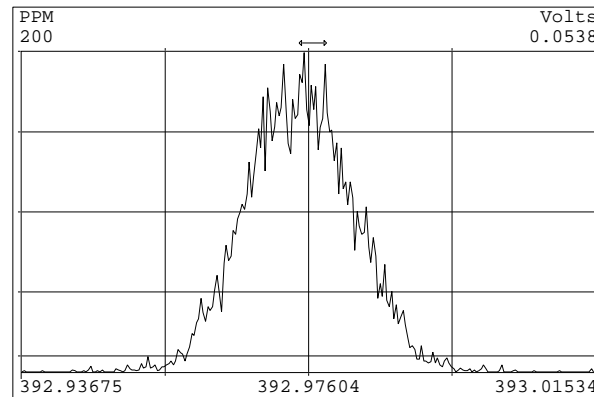
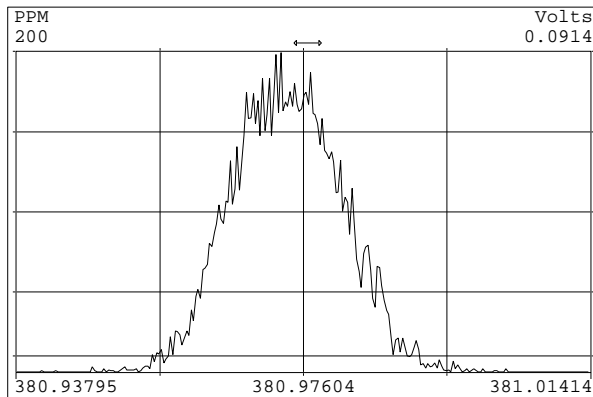
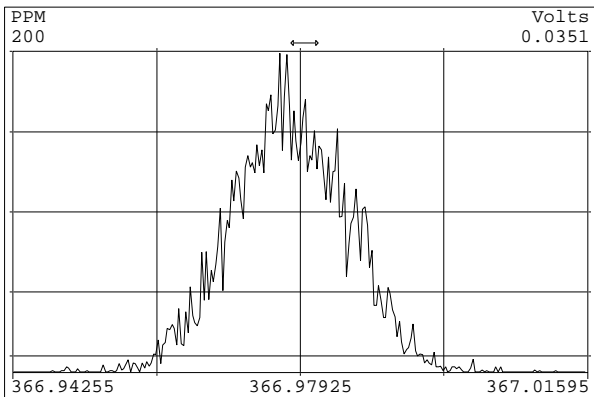


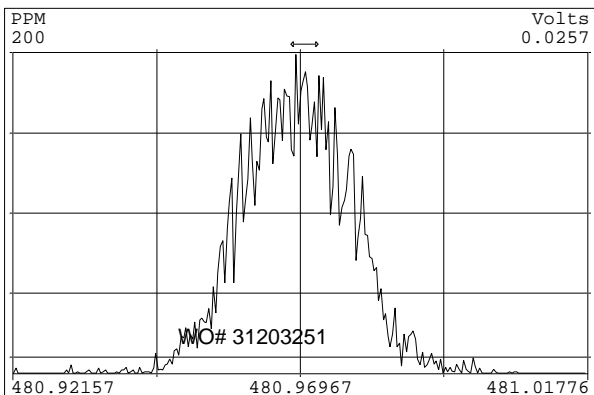
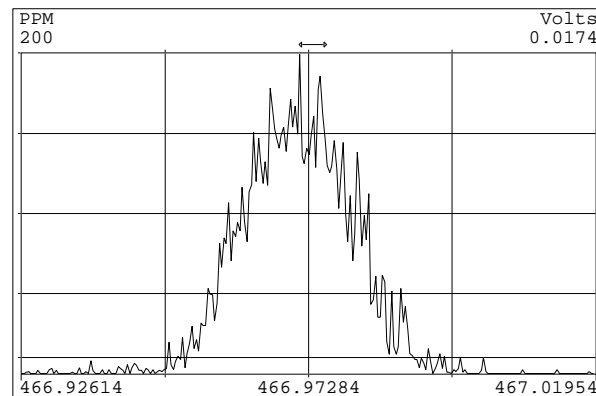
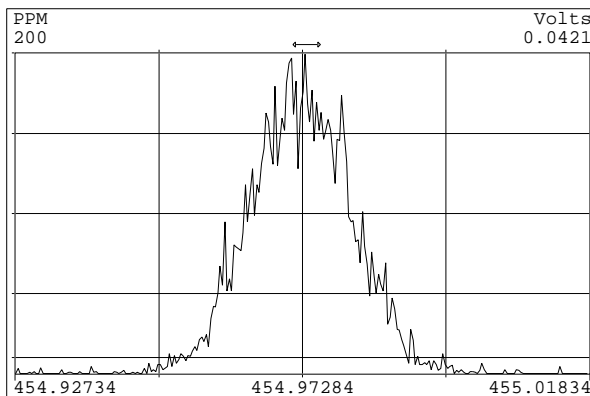
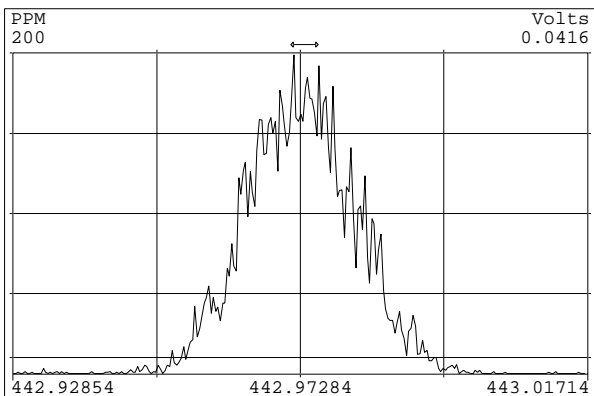
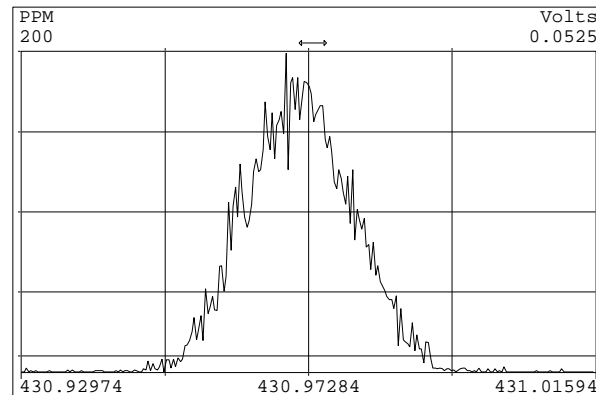
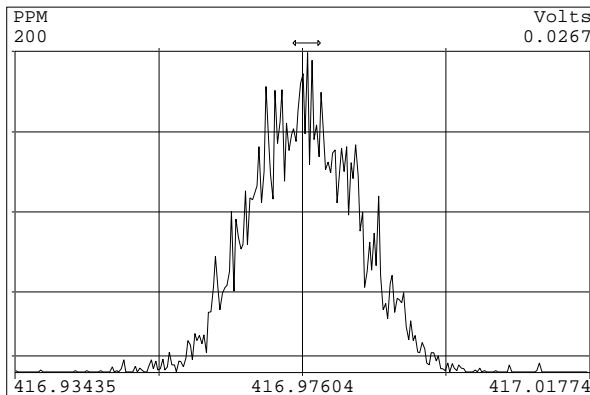
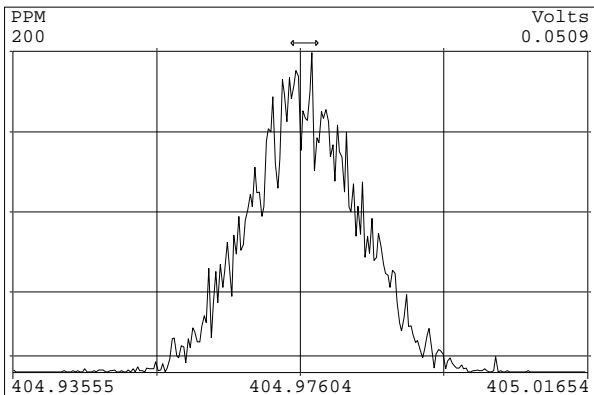


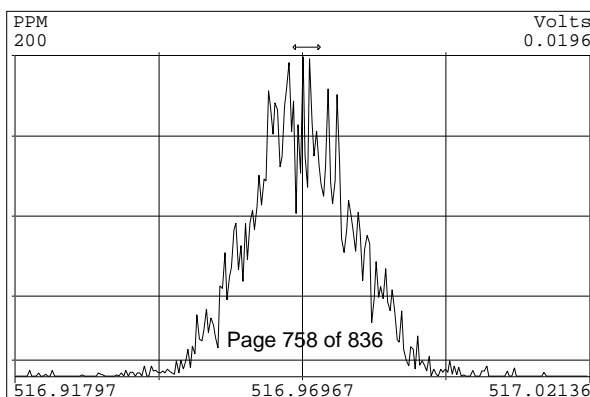
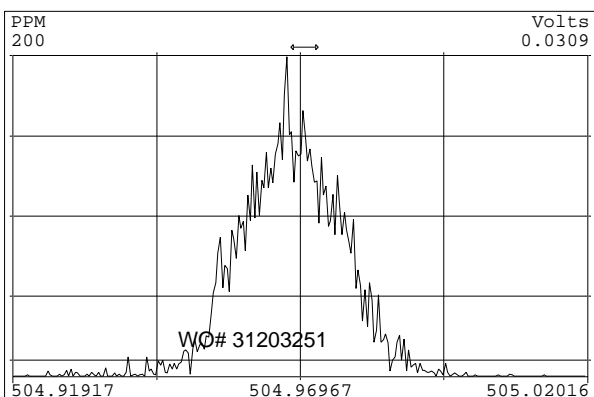
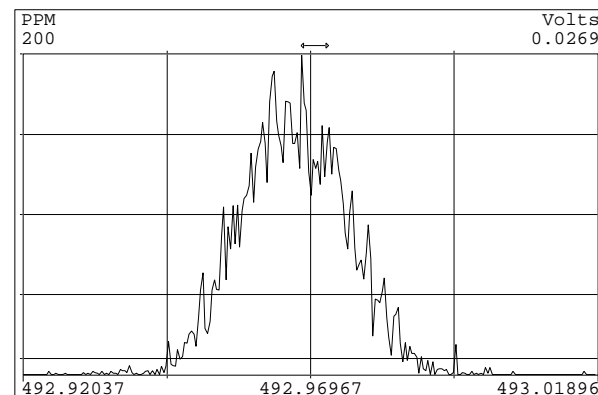
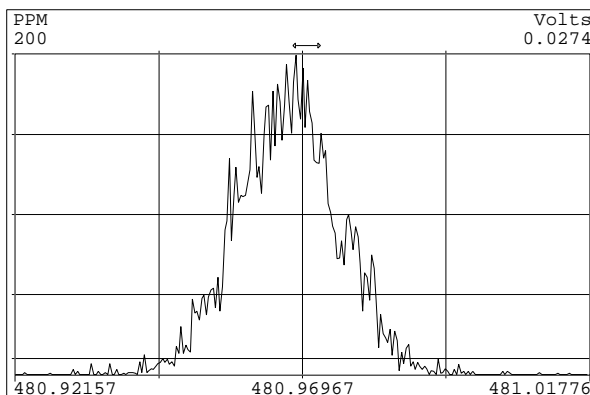
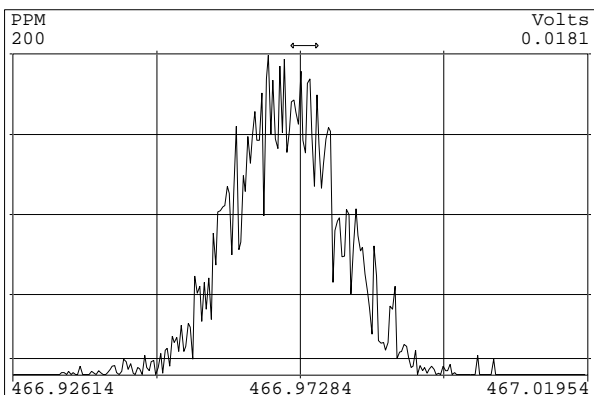
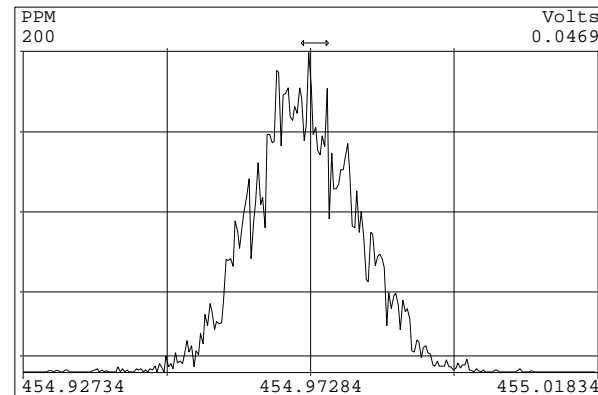
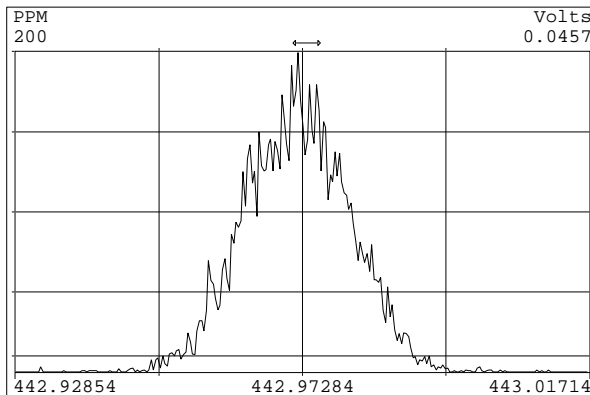
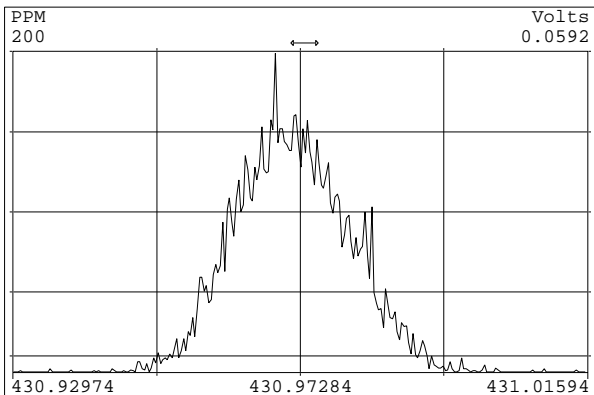












SGS North America, Inc.

Instrument: HRMS3

Data File	Sample ID	Analyst	Acquisition Date/Time	Inj. Vol
c13nov12a-1	VFX Retcon	JHL	2012-11-13 12:10:38	1 uL ✓
c13nov12a-2	Solvent Blank	JHL	2012-11-13 12:46:50	1 uL
c13nov12a-3	31203251001	JHL	2012-11-13 13:22:00	1 uL
c13nov12a-4	31203251002	JHL	2012-11-13 13:57:09	1 uL
c13nov12a-6	31203251004	JHL	2012-11-13 15:07:29	1 uL
c13nov12a-7	31203251005	JHL	2012-11-13 15:42:41	1 uL
c13nov12a-5	31203251003	JHL	2012-11-13 15:56:06	1 uL
c13nov12a-8	31203251005	JHL	2012-11-13 16:36:32	1 uL
c13nov12a-9	31203251001	JHL	2012-11-13 17:11:43	1 uL
c13nov12a-10	31203251002	JHL	2012-11-13 17:46:53	1 uL
c13nov12a-11	31203251006	JHL	2012-11-13 18:22:05	1 uL
c13nov12a-12	31203251007	JHL	2012-11-13 18:58:55	1 uL
c13nov12a-13	31203246004	JHL	2012-11-13 19:34:03	1 uL
c13nov12a-14	31203246001	JHL	2012-11-13 20:09:12	1 uL
c13nov12a-16	Solvent Blank	JHL	2012-11-13 20:45:59	1 uL
c13nov12a-17	VFX Retcon	JHL	2012-11-13 21:22:52	1 uL ✓
c13nov12a-18	Solvent Blank	JHL	2012-11-13 21:58:01	1 uL
c13nov12a-19	31203232001	JHL	2012-11-13 22:33:15	1 uL
c13nov12a-20	31203232002	JHL	2012-11-13 23:08:29	1 uL
c13nov12a-21	31203423001	JHL	2012-11-13 23:43:38	1 uL
c13nov12a-22	31203423002	JHL	2012-11-14 00:18:46	1 uL
c13nov12a-23	AP-Sample-1	JHL	2012-11-14 00:54:01	1 uL
c13nov12a-24	AP-Sample-2	JHL	2012-11-14 01:29:16	1 uL
c13nov12a-25	Solvent Blank	JHL	2012-11-14 02:04:29	1 uL
c13nov12a-26	VFX Retcon	JHL	2012-11-14 02:39:38	1 uL ✓
c13nov12a-27	Solvent Blank	JHL	2012-11-14 03:14:48	1 uL

PRINTED

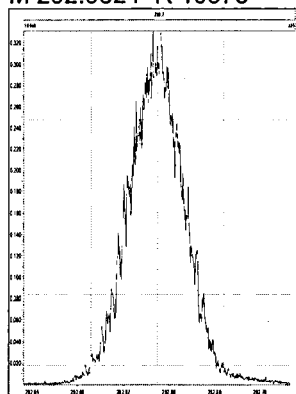
11/14/12

TM 11/14/12

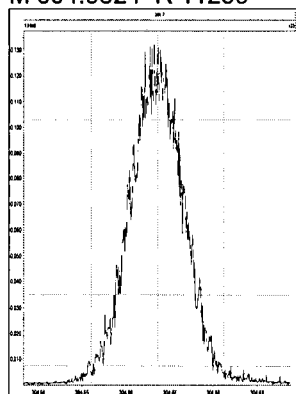
File: Experiment: Dx_VF-XMS_Confirm.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, November 13, 2012 12:10:01 Eastern Standard Time

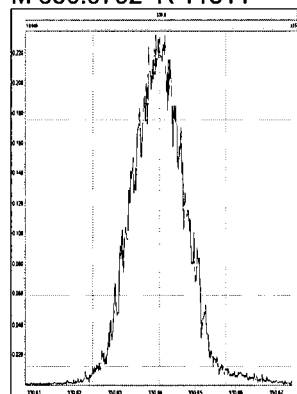
M 292.9824 R 10373



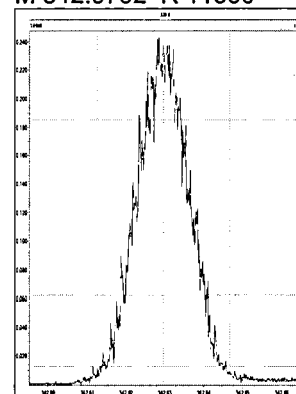
M 304.9824 R 11259



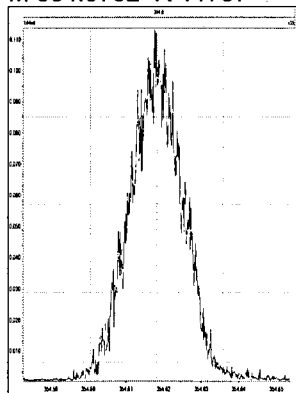
M 330.9792 R 11311



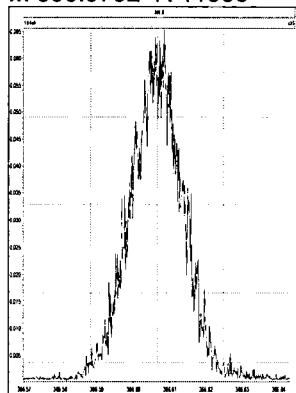
M 342.9792 R 11360



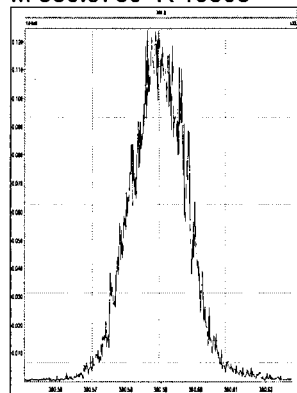
M 354.9792 R 11737



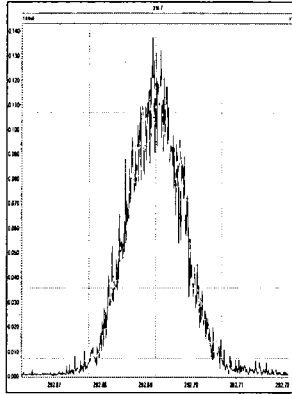
M 366.9792 R 11366



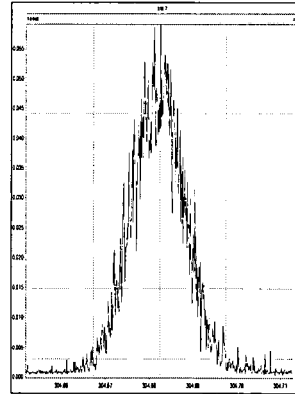
M 380.9760 R 10505



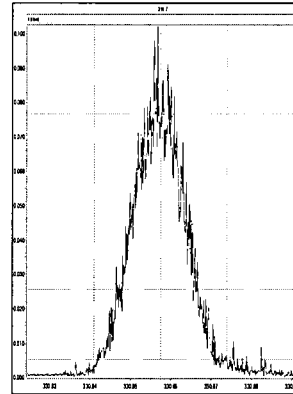
M 292.9824 R 10391



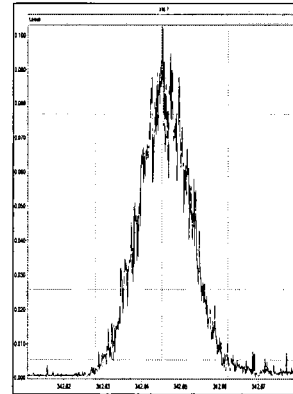
M 304.9824 R 11155



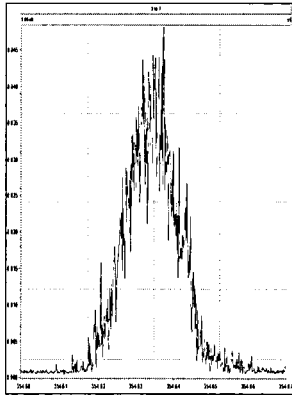
M 330.9792 R 11468



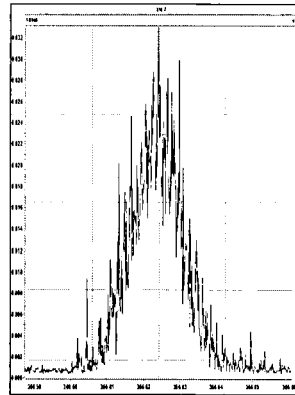
M 342.9792 R 11215



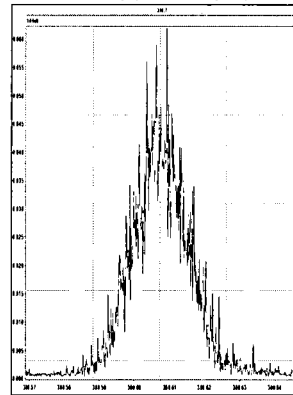
M 354.9792 R 11749



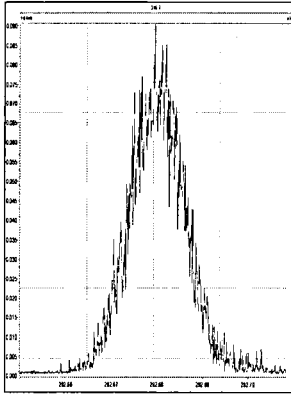
M 366.9792 R 11337



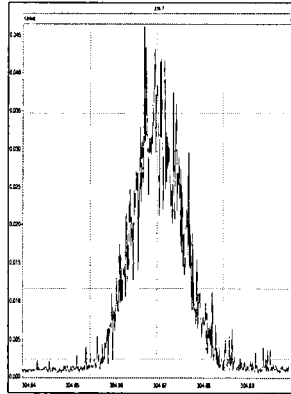
M 380.9760 R 11371



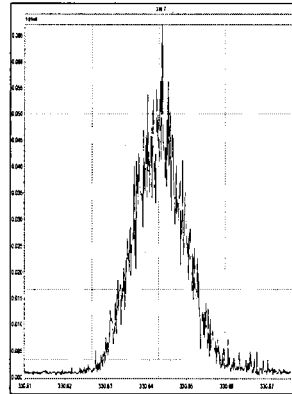
M 292.9824 R 10492



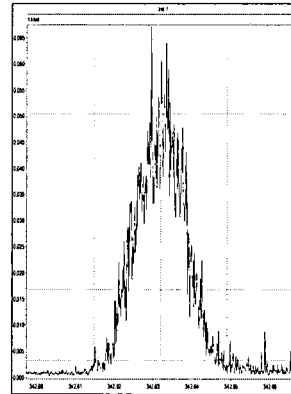
M 304.9824 R 13140



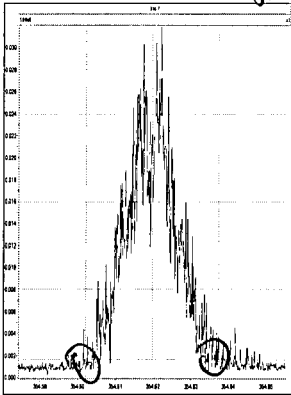
M 330.9792 R 11665



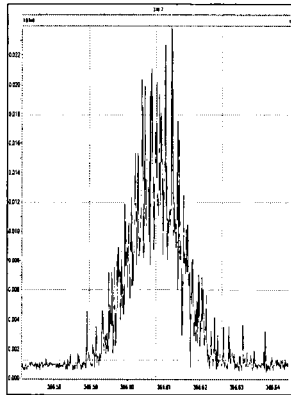
M 342.9792 R 11582



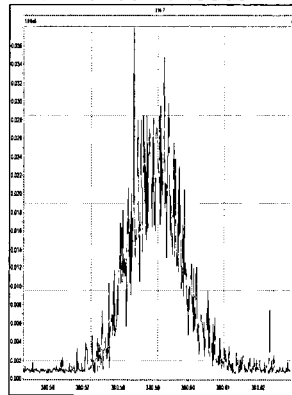
M 354.9792 R 5841 *



M 366.9792 R 12770



M 380.9760 R 10869



SEE ANALYST NOTE
HL 11/14/12

ANALYST NOTE_conf

Ending resolution plot shows mass 354.9792 slightly outside of 10,000. The analyte mass for 2378-TCDF Confirmation analysis is 304.9824 which maintained mass resolution of greater than 10,000 throughout the sequence. Samples show no evidence of mass breakthrough, indicating that the apparent lower resolution did not impact any data and was likely due to a low level of PFK. There is no adverse impact to data quality due to this anomaly. - HL 11/14/2012

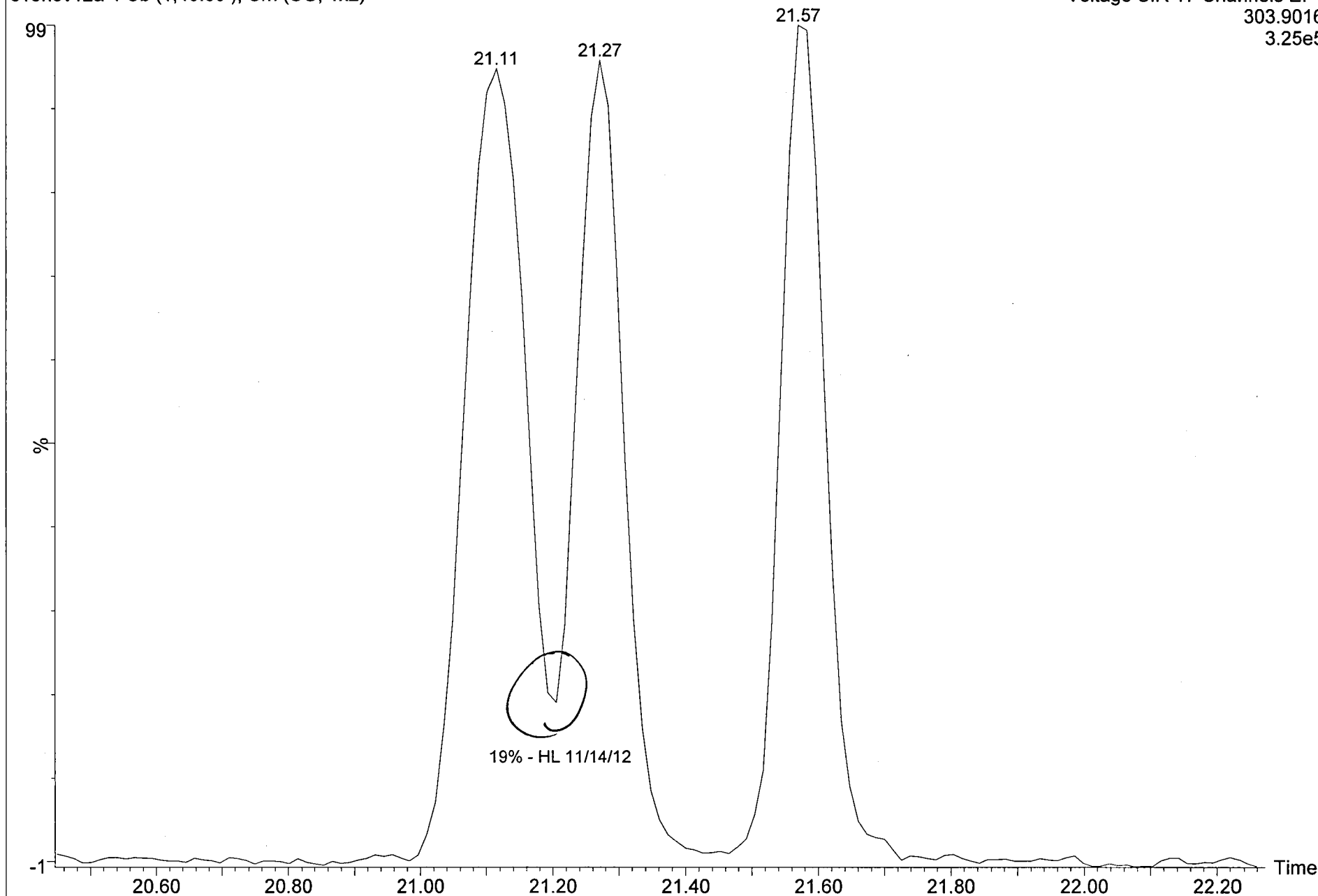
Sample ID: VFX Retcon

Acq: 13-Nov-2012 12:10:38
Exp:Dx_VF-XMS_Confirm

Inst: HRMS3

c13nov12a-1 Sb (1,40.00); Sm (SG, 1x2)

Voltage SIR 17 Channels EI+
303.9016
3.25e5



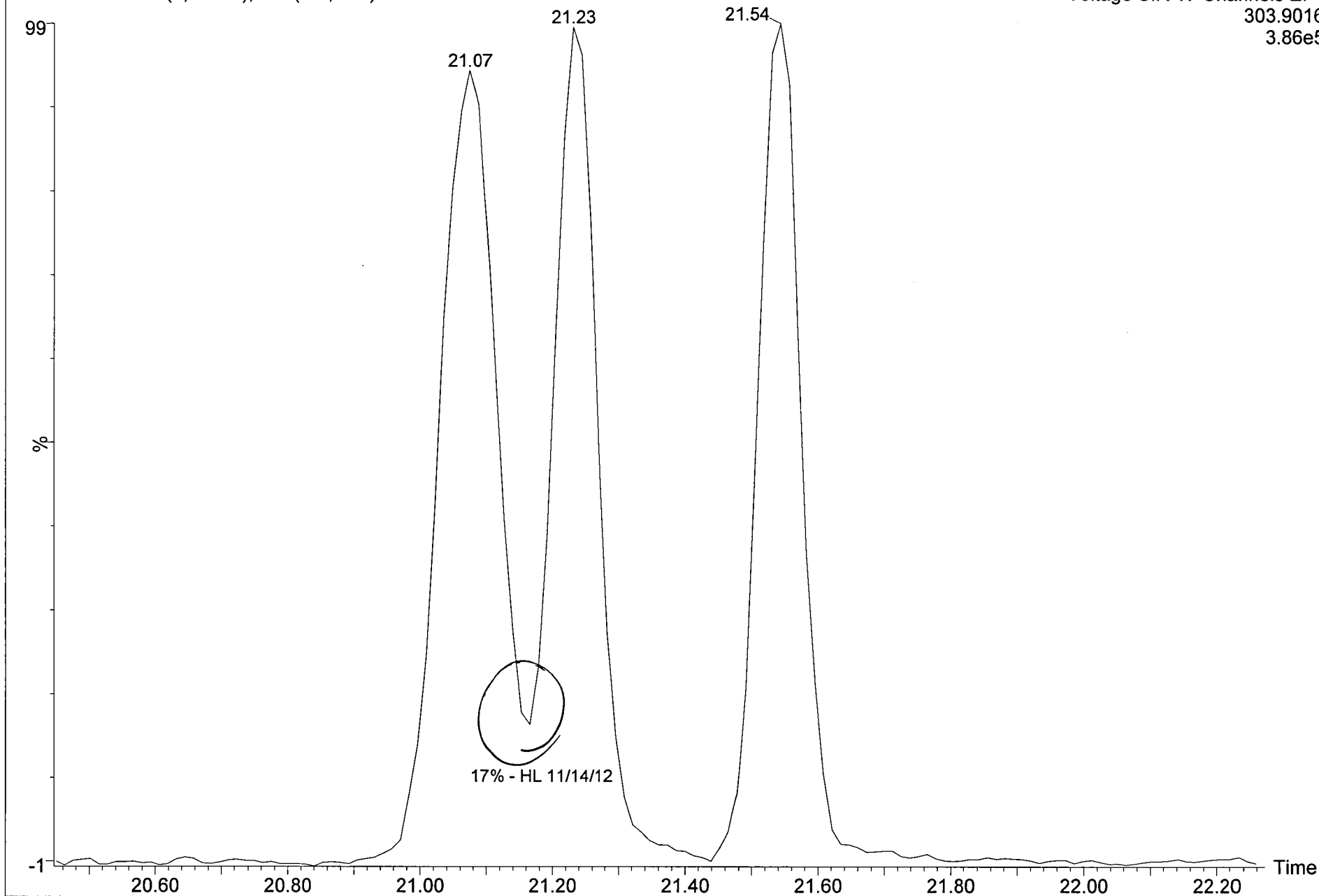
Sample ID: VFX Retcon

Acq: 13-Nov-2012 21:22:52
Exp:Dx_VF-XMS_Confirm

Inst: HRMS3

c13nov12a-17 Sb (1,40.00); Sm (SG, 1x2)

Voltage SIR 17 Channels EI+
303.9016
3.86e5



Sample ID: VFX Retcon

Acq: 14-Nov-2012 02:39:38

Inst: HRMS3

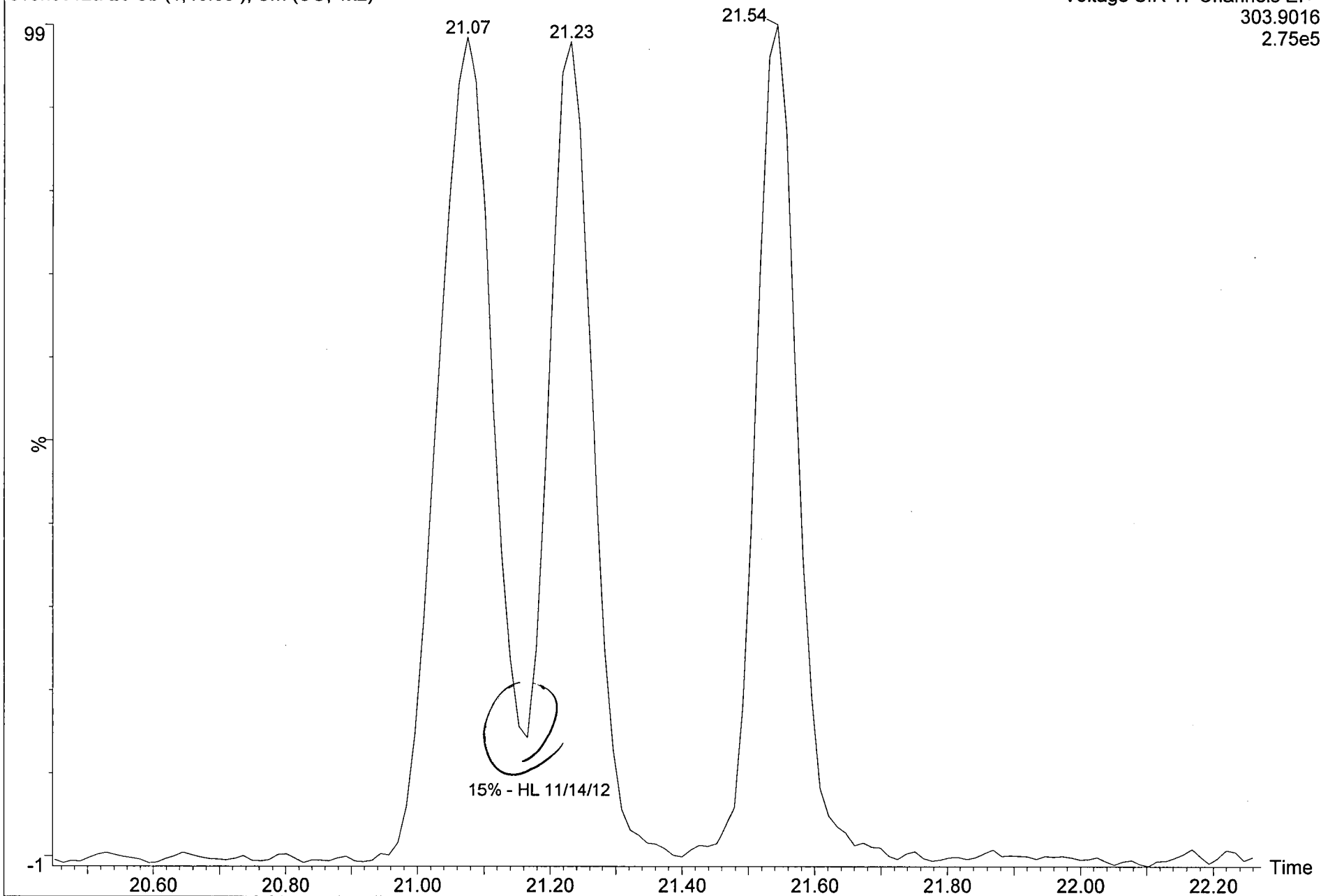
c13nov12a-26 Sb (1,40.00); Sm (SG, 1x2)

Exp:Dx_VF-XMS_Confirm

Voltage SIR 17 Channels EI+

303.9016

2.75e5



Quantify Sample Summary Report

MassLynx 4.1

CF CCAL Summary

Dataset: C:\MassLynx\Default.pro\Concals\Confirms\c13nov12a-Confirms.qld

Last Altered: Wednesday, November 14, 2012 10:17:56 Eastern Standard Time

Printed: Wednesday, November 14, 2012 10:23:07 Eastern Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\VFXms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFXms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-1

Date: 13-Nov-2012

Time: 12:10:38

ID: VFX Retcon

Instrument:

User: JHL

Pass 1613/8290

	Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	Conc	%Dev	RRF	Ical	RRF	EDL	SN1	Height1	Noise1	SN2	Height2	Noise2	M
1	2378-TCDF	5.942e4	2.574e4	3.368e4	0.76	NO	21.27	8.9918	-10.1	1.095	1.218	0.104	178.3	3.095e5	1736	241.9	4.178e5	1727	db	
2	ES:13C-2378-TCDF	5.425e5	2.344e5	3.080e5	0.76	NO	21.24	97.5983	-2.4	1.615	1.655	0.258	809.5	2.941e6	3633	1105.6	3.853e6	3485	bd	
3	JS:13C-1234-TCDD	3.359e5	1.498e5	1.860e5	0.81	NO	21.15	100.0000	0.0	1.000	1.000	0.397	551.7	1.857e6	3366	709.5	2.300e6	3242	bb	
4	Tetrafurans		1.449e5	-	-	-		50.4395			1.218	0.104		1.984e6	1736					
5	F1 Lock Mass														113514					

Quantify Sample Report MassLynx 4.1

CF CCAL Summary

Dataset: C:\MassLynx\Default.pro\Concals\Confirms\c13nov12a-Confirms.qld

Last Altered: Wednesday, November 14, 2012 10:17:56 Eastern Standard Time

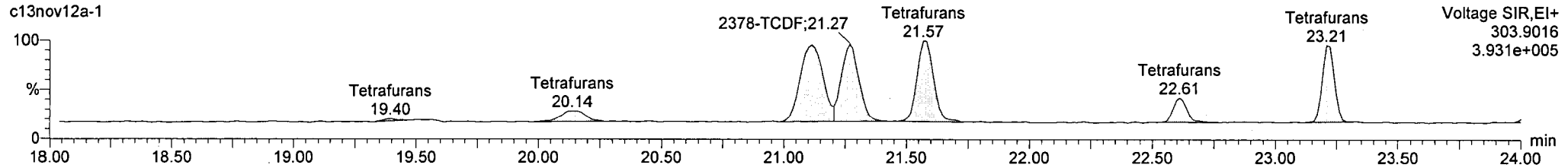
Printed: Wednesday, November 14, 2012 10:23:07 Eastern Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\VFXms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11

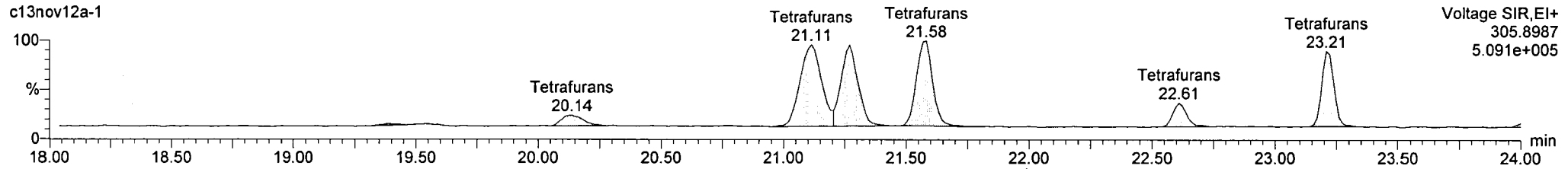
Calibration: C:\MassLynx\Default.PRO\CurveDB\VFXms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-1, ID: VFX Retcon, User: JHL, Instrument:

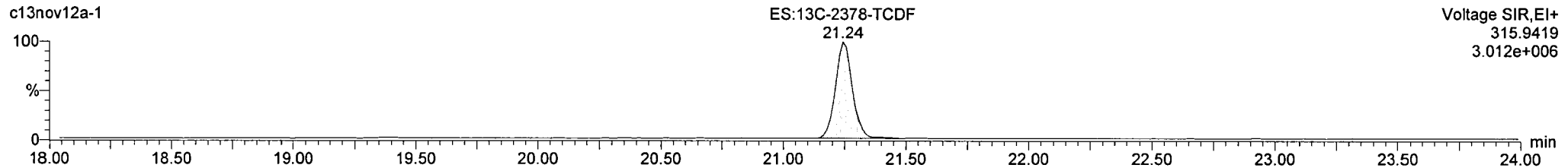
TCDF



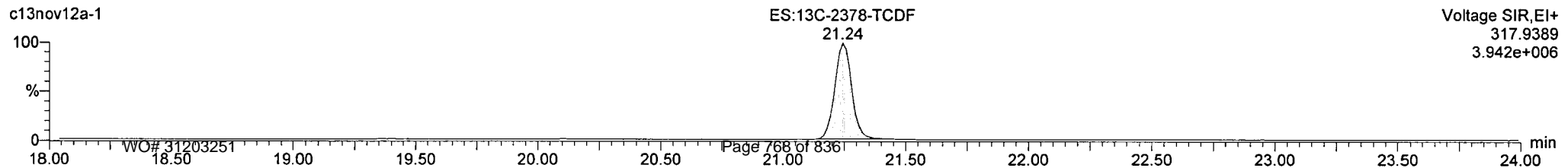
TCDF



13C-TCDF



13C-TCDF



Dataset: C:\MassLynx\Default.pro\Concals\Confirms\c13nov12a-Confirms.qld

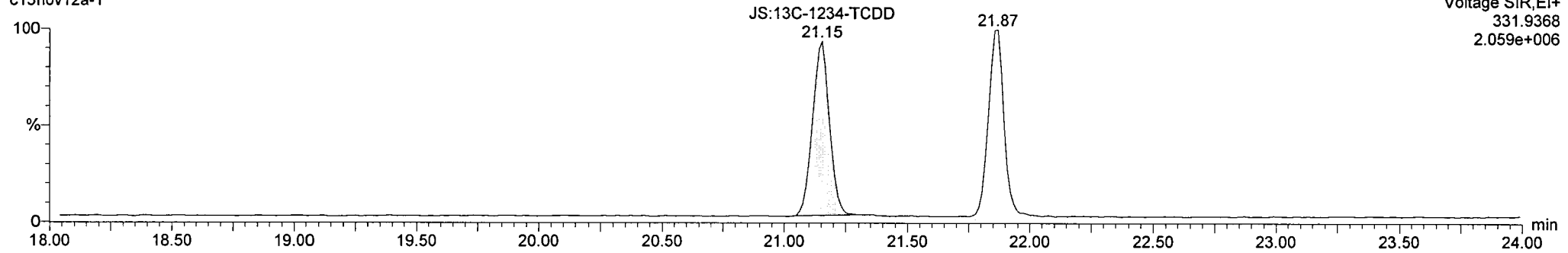
Last Altered: Wednesday, November 14, 2012 10:17:56 Eastern Standard Time

Printed: Wednesday, November 14, 2012 10:23:07 Eastern Standard Time

Name: c13nov12a-1, ID: VFX Retcon, User: JHL, Instrument:

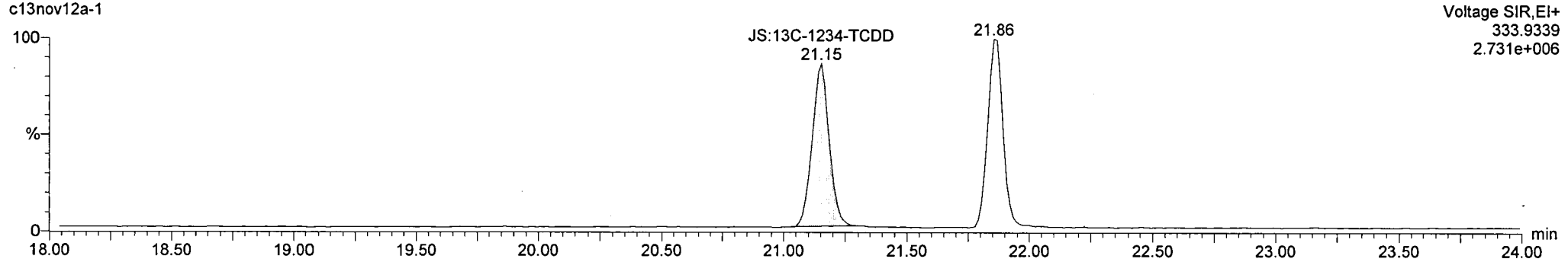
13C-TCDD

c13nov12a-1



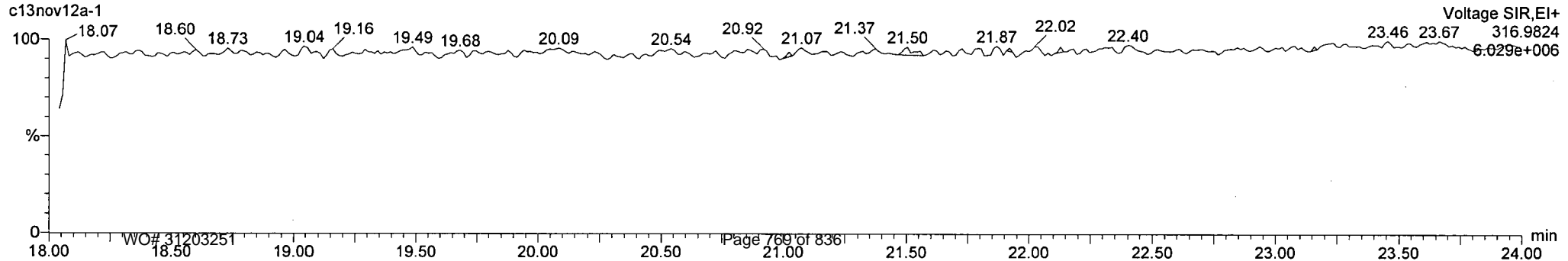
13C-TCDD

c13nov12a-1



F1 Lock Mass

c13nov12a-1



Quantify Sample Summary Report

MassLynx 4.1

CF CCAL Summary

Dataset: C:\MassLynx\Default.pro\Concals\Confirms\c13nov12a-Confirms.qld

Last Altered: Wednesday, November 14, 2012 10:17:56 Eastern Standard Time

Printed: Wednesday, November 14, 2012 10:23:11 Eastern Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\VFXms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFXms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-17/

Date: 13-Nov-2012

Time: 21:22:52 /

ID: VFX Retcon

Instrument:

User: JHL

Pass 1613/8290

	Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	Cont	%Dev	RRF	Ical	RRF	EDL	SN1	Height1	Noise1	SN2	Height2	Noise2	M
1	2378-TCDF	6.950e4	3.041e4	3.909e4	0.78	NO	21.23	9.1686	-8.3	1.117	1.218	0.100	196.8	3.836e5	1949	252.0	4.708e5	1868	db	
2	ES:13C-2378-TCDF	6.224e5	2.719e5	3.504e5	0.78	NO	21.20	99.8397	-0.2	1.652	1.655	0.243	900.7	3.431e6	3810	1167.5	4.423e6	3789	bb	
3	JS:13C-1234-TCDD	3.766e5	1.651e5	2.115e5	0.78	NO	21.11	100.0000	0.0	1.000	1.000	0.401	529.9	2.069e6	3905	688.7	2.522e6	3662	bb	
4	Tetrafurans		1.570e5	-	-	-		47.2940			1.218	0.100		2.220e6	1949		-	-	-	-
5	F1 Lock Mass															74767				

Quantify Sample Report
CF CCAL Summary

MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\Concals\Confirms\c13nov12a-Confirms.qld

Last Altered: Wednesday, November 14, 2012 10:17:56 Eastern Standard Time

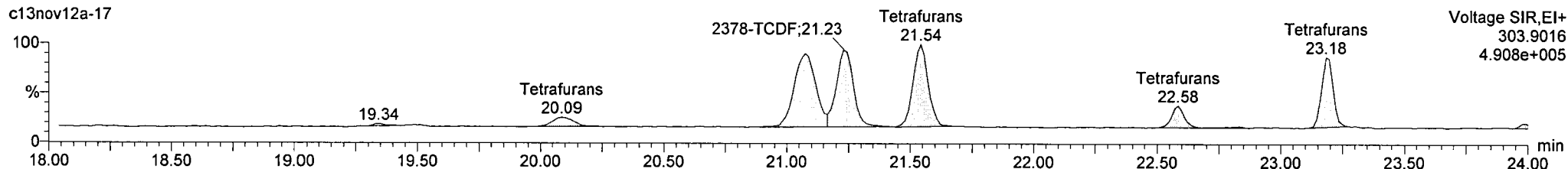
Printed: Wednesday, November 14, 2012 10:23:11 Eastern Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\VFXms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11
Calibration: C:\MassLynx\Default.PRO\CurveDB\VFXms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-17, ID: VFX Retcon, User: JHL, Instrument:

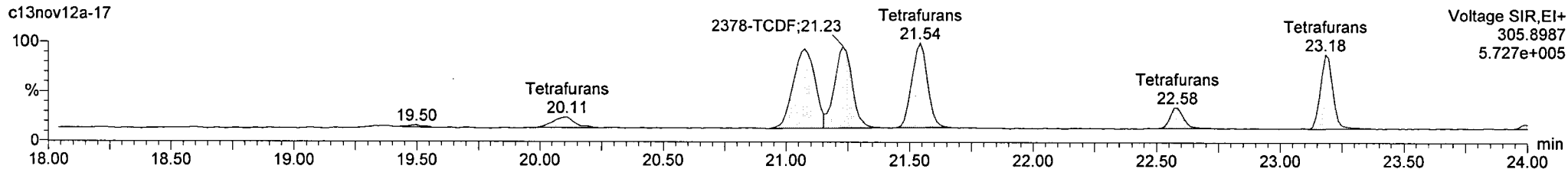
TCDF

c13nov12a-17



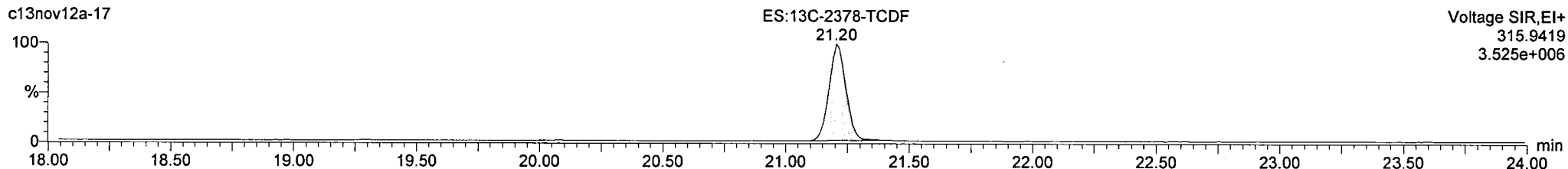
TCDF

c13nov12a-17



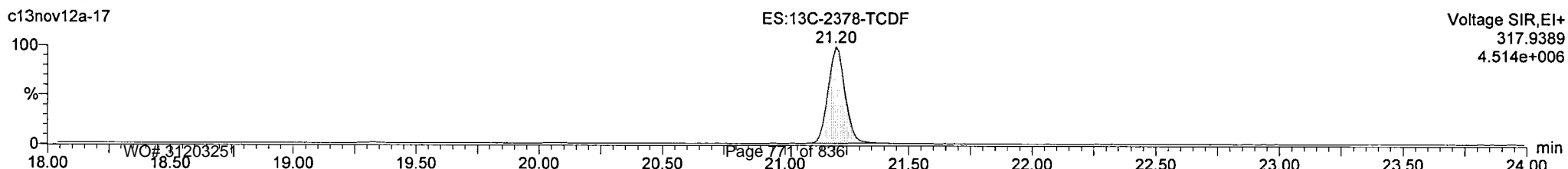
13C-TCDF

c13nov12a-17



13C-TCDF

c13nov12a-17



Dataset: C:\MassLynx\Default.pro\Concals\Confirms\c13nov12a-Confirms.qld

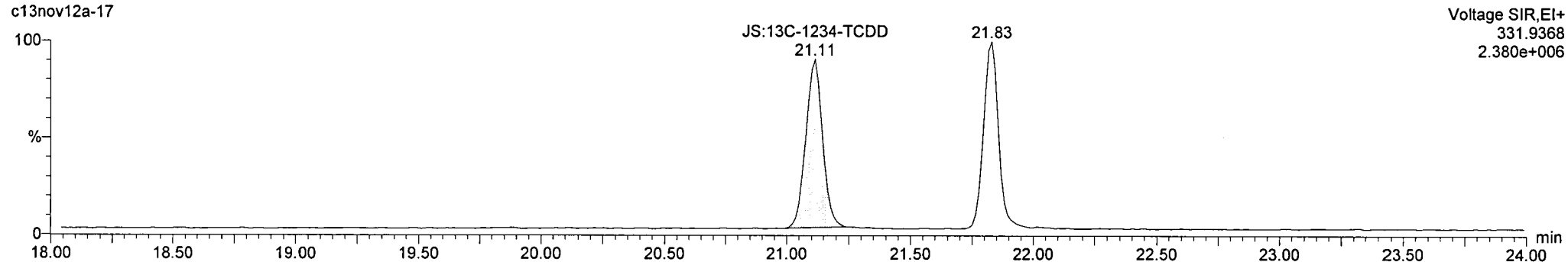
Last Altered: Wednesday, November 14, 2012 10:17:56 Eastern Standard Time

Printed: Wednesday, November 14, 2012 10:23:11 Eastern Standard Time

Name: c13nov12a-17, ID: VFX Retcon, User: JHL, Instrument:

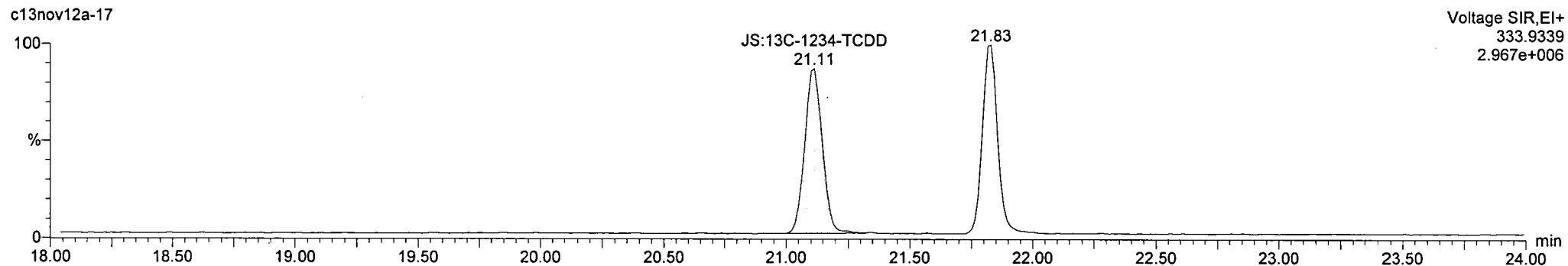
13C-TCDD

c13nov12a-17



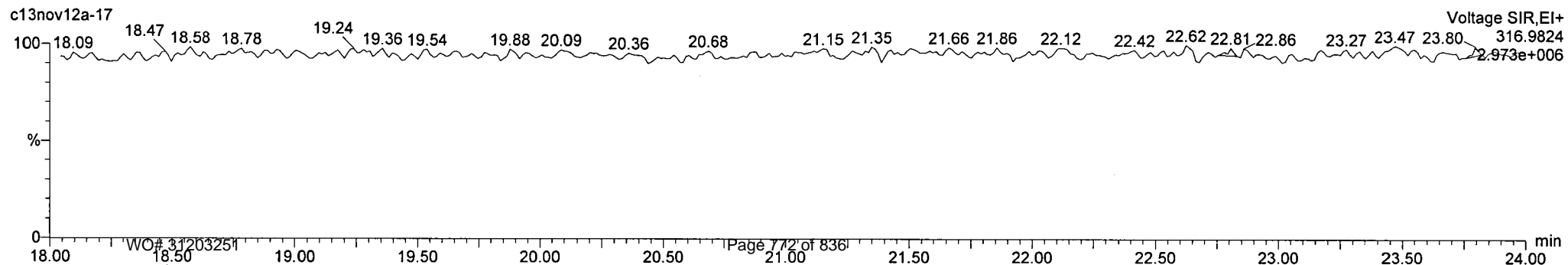
13C-TCDD

c13nov12a-17



F1 Lock Mass

c13nov12a-17



Quantify Sample Summary Report

MassLynx 4.1

CF CCAL Summary

Dataset: C:\MassLynx\Default.pro\Concals\Confirms\c13nov12a-Confirms.qld

Last Altered: Wednesday, November 14, 2012 10:17:56 Eastern Standard Time

Printed: Wednesday, November 14, 2012 10:23:15 Eastern Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\VFXms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11

Calibration: C:\MassLynx\Default.PRO\CurveDB\VFXms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-26

Date: 14-Nov-2012

Time: 02:39:38

ID: VFX Retcon

Instrument:

User: JHL

Pass 1613/8290

	Name	Response	Ion1Area	Ion2Area	RA	RAFail?	RT	Conc	%Dev	RRF	Ical	RRF	EDL	SN1	Height1	Noise1	SN2	Height2	Noise2	M
1	2378-TCDF	4.770e4	2.126e4	2.643e4	0.80	NO	21.23	8.9995	-10.0	1.096	1.218	0.131		145.9	2.698e5	1850	212.2	3.534e5	1666	db
2	ES:13C-2378-TCDF	4.351e5	1.895e5	2.456e5	0.77	NO	21.20	107.2771	7.3	1.775	1.655	0.335		722.1	2.402e6	3327	954.3	3.152e6	3303	bb
3	JS:13C-1234-TCDD	2.451e5	1.083e5	1.367e5	0.79	NO	21.10	100.0000	-0.0	1.000	1.000	0.585		369.0	1.320e6	3577	509.3	1.737e6	3410	bb
4	Tetrafurans		1.158e5	-	-	-		49.2301			1.218	0.131			1.647e6	1850	-	-	-	-
5	F1 Lock Mass															72669	-	-	-	-

Quantify Sample Report **MassLynx 4.1**
CF CCAL Summary

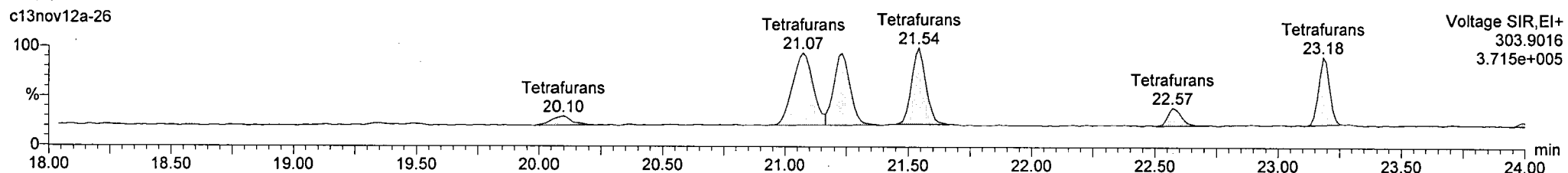
Dataset: C:\MassLynx\Default.pro\Concals\Confirms\c13nov12a-Confirms.qld

Last Altered: Wednesday, November 14, 2012 10:17:56 Eastern Standard Time
Printed: Wednesday, November 14, 2012 10:23:15 Eastern Standard Time

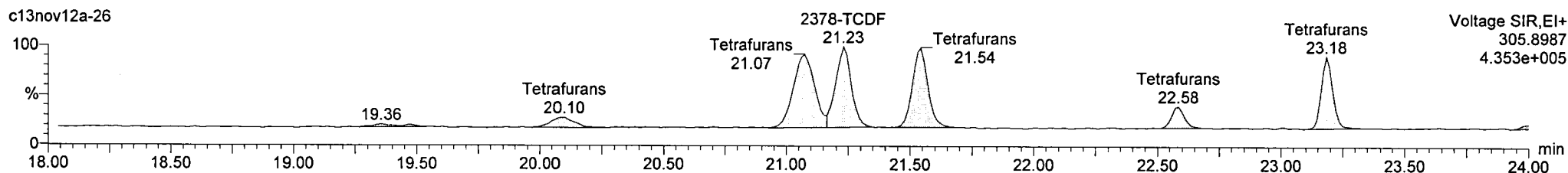
Method: C:\MassLynx\Default.PRO\MethDB\VFXms-TCDF_Smooth.mdb 13 Nov 2012 08:24:11
Calibration: C:\MassLynx\Default.PRO\CurveDB\VFXms-100212a_Confirm-TD.cdb 31 Oct 2012 14:37:39

Name: c13nov12a-26, ID: VFX Retcon, User: JHL, Instrument:

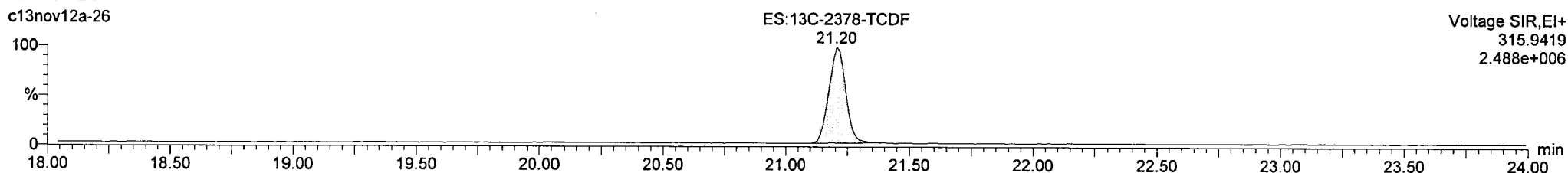
TCDF



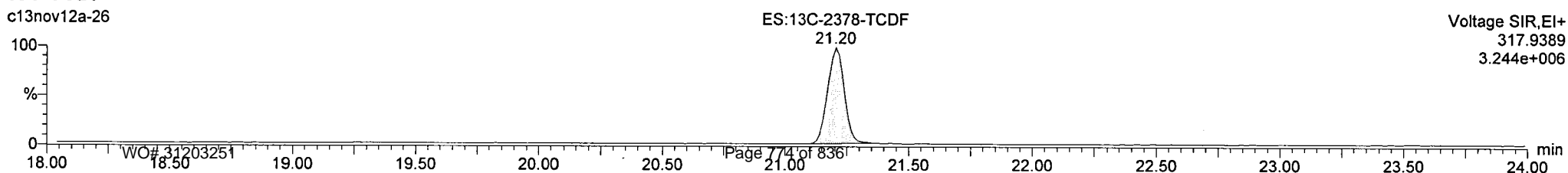
TCDF



13C-TCDF



13C-TCDF



Dataset: C:\MassLynx\Default.pro\Concals\Confirms\c13nov12a-Confirms.qld

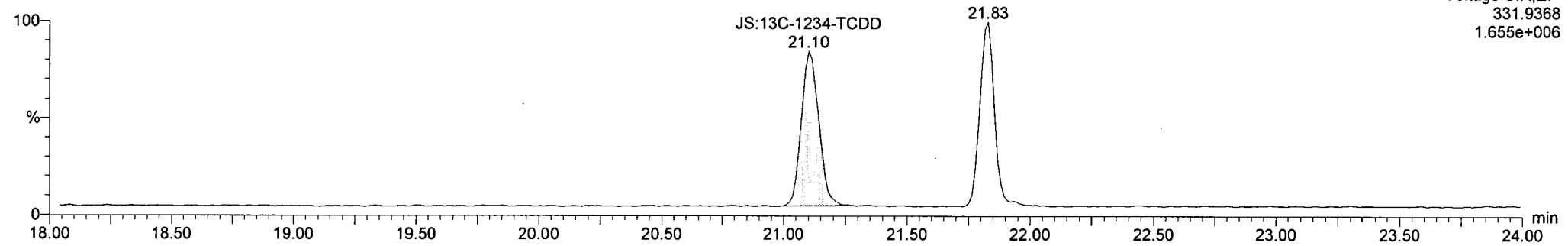
Last Altered: Wednesday, November 14, 2012 10:17:56 Eastern Standard Time

Printed: Wednesday, November 14, 2012 10:23:15 Eastern Standard Time

Name: c13nov12a-26, ID: VFX Retcon, User: JHL, Instrument:

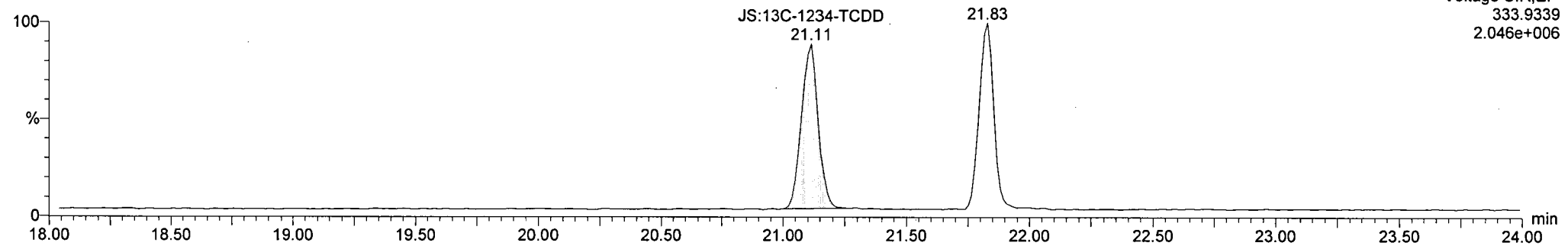
13C-TCDD

c13nov12a-26



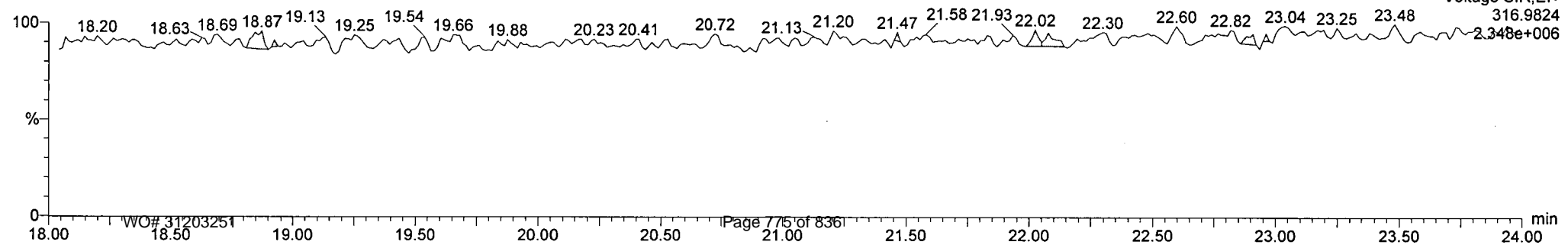
13C-TCDD

c13nov12a-26



F1 Lock Mass

c13nov12a-26



Instrument: MM7 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	121024X18	Tray1:06	CS3_121024_PCB_XC	1.00	RETCON S40-92	LKB, CEM	494-860	24-Oct-2012	19:26:19
2	121024X19	Tray1:29	OPR1_10237_PCB	1.00	0_10237_OPR001	LKB, CEM	021-361	24-Oct-2012	20:20:20
3	121024X20	Tray1:02	SBS_121024_PCB_XJ	1.00	SIL 9-41-1	LKB, CEM	992-919	24-Oct-2012	21:14:24
4	121024X21	Tray1:30	MB1_10237_PCB_SDS	10.04	Method Blank	LKB, CEM	023-197	24-Oct-2012	22:08:27
5	121024X22	Tray1:31	A4723_10237_PCB_004	10.14	JW-EA09-SS38-120507	LKB, CEM	074-233	24-Oct-2012	23:02:30
6	121024X23	Tray1:32	A4723_10237_PCB_005	10.09	JW-EA09-SS37-120507	LKB, CEM	985-278	24-Oct-2012	23:56:33

REVIEWED
By Tamara_Morgan at 10:46 am, 10/31/12

REVIEWED
By Chris Mimms at 11:07 am, Oct 30, 2012

PCB QC Summary

SGS Analytical Perspectives

Processed: 30-Oct-2012 10:31

Lab ID: CS3_121024_PCB_XC
 Acquired: 24-OCT-2012 19:26
 Datafile: 121024X18

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	30.11	1.21E+08	0.76 Y	1.13	1.00	-11.9%
PCB-81 344'5'-TeCB	29.65	1.14E+08	0.76 Y	1.13	0.99	-12.5%
PCB-105 233'44'-PeCB	33.05	1.11E+08	0.62 Y	1.09	1.09	-0.3%
PCB-114 2344'5'-PeCB	32.52	1.18E+08	0.62 Y	1.16	1.17	0.6%
PCB-118 23'44'5'-PeCB	32.07	1.15E+08	0.62 Y	1.11	1.10	-0.7%
PCB-123 2'344'5'-PeCB	31.80	1.22E+08	0.62 Y	1.19	1.21	1.8%
PCB-126 33'44'5'-PeCB	35.65	9.02E+07	0.62 Y	1.06	0.97	-8.5%
PCB-156/157 233'44'5'/233'44'5'	38.16	1.96E+08	1.22 Y	1.11	1.04	-6.2%
PCB-167 23'44'55'-HxCB	37.21	1.04E+08	1.22 Y	1.14	1.08	-5.4%
PCB-169 33'44'55'-HxCB	40.88	9.51E+07	1.23 Y	1.11	1.05	-5.8%
PCB-189 233'44'55'-HpCB	42.99	8.03E+07	1.04 Y	1.06	1.01	-4.1%
PCB-209 DeCB	47.92	5.50E+07	1.18 Y	1.07	1.14	6.0%
ES PCB-1	10.41	2.76E+08	3.11 Y	1.08	0.98	-9.3%
ES PCB-3	12.42	3.02E+08	3.15 Y	1.08	1.08	-0.6%
ES PCB-4	12.63	1.84E+08	1.58 Y	0.49	0.65	33.8%
ES PCB-15	17.88	3.13E+08	1.56 Y	1.11	1.11	0.2%
ES PCB-19	15.41	1.76E+08	1.07 Y	0.55	0.63	12.9%
ES PCB-37	23.91	2.73E+08	1.08 Y	1.64	1.53	-6.2%
ES PCB-54	18.11	1.72E+08	0.79 Y	0.94	0.97	2.7%
ES PCB-77	30.09	2.43E+08	0.79 Y	1.35	1.36	1.2%
ES PCB-81	29.63	2.32E+08	0.79 Y	1.29	1.30	1.3%
ES PCB-104	22.86	1.65E+08	1.62 Y	0.99	1.02	3.2%
ES PCB-105	33.02	2.03E+08	1.61 Y	1.23	1.26	2.0%
ES PCB-114	32.49	2.03E+08	1.62 Y	1.25	1.26	0.9%
ES PCB-118	32.05	2.10E+08	1.63 Y	1.28	1.30	1.6%
ES PCB-123	31.77	2.01E+08	1.61 Y	1.22	1.25	2.4%
ES PCB-126	35.63	1.86E+08	1.57 Y	1.20	1.15	-3.9%
ES PCB-153	-	-	-	-	-	-
ES PCB-155	27.70	2.00E+08	1.30 Y	1.50	1.48	-1.1%
ES PCB-156/157	38.15	3.77E+08	1.31 Y	1.45	1.39	-4.3%
ES PCB-167	37.19	1.93E+08	1.31 Y	1.49	1.43	-4.4%
ES PCB-169	40.86	1.82E+08	1.31 Y	1.40	1.34	-4.4%
ES PCB-170	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-
ES PCB-188	32.49	1.41E+08	1.08 Y	1.18	1.05	-11.3%
ES PCB-189	42.97	1.59E+08	1.05 Y	1.49	1.52	2.0%
ES PCB-202	36.98	1.35E+08	0.91 Y	1.14	1.00	-12.4%
ES PCB-205	45.11	1.33E+08	0.90 Y	1.20	1.27	5.5%
ES PCB-206	46.56	9.64E+07	0.79 Y	0.87	0.92	6.1%
ES PCB-208	42.57	1.36E+08	0.80 Y	1.19	1.30	9.0%
ES PCB-209	47.90	9.68E+07	1.20 Y	1.00	0.93	-7.7%

PCB QC Summary

SGS Analytical Perspectives

Processed: 30-Oct-2012 10:31

Lab ID: CS3_121024_PCB_XC
 Acquired: 24-OCT-2012 19:26
 Datafile: 121024X18

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	20.49	2.77E+08	1.04 Y	1.07	1.02	-5.4%
SS PCB-111	30.15	2.09E+08	1.62 Y	1.01	1.04	3.4%
SS PCB-178	35.04	9.04E+07	1.08 Y	0.63	0.64	1.8%
CS PCB-28	20.49	2.77E+08	1.04 Y	1.76	1.56	-11.3%
CS PCB-111	30.15	2.09E+08	1.62 Y	1.23	1.30	5.9%
CS PCB-178	35.04	9.04E+07	1.08 Y	0.74	0.67	-9.7%
JS PCB-9	14.43	2.81E+08	1.55 Y	-	-	-
JS PCB-52	22.05	1.78E+08	0.79 Y	-	-	-
JS PCB-101	27.87	1.61E+08	1.60 Y	-	-	-
JS PCB-138	34.66	1.35E+08	1.29 Y	-	-	-
JS PCB-194	44.72	1.05E+08	0.91 Y	-	-	-
PCB-1 2-MoCB	10.42	1.18E+08	3.13 Y	1.03	0.86	-16.8%
PCB-3 4-MoCB	12.43	1.30E+08	3.16 Y	1.04	0.86	-17.5%
PCB-4 22'-DiCB	12.65	9.57E+07	1.57 Y	1.17	1.04	-10.8%
PCB-15 44'-DiCB	17.89	1.43E+08	1.57 Y	1.08	0.91	-15.7%
PCB-19 22'6'-TrCB	15.43	8.76E+07	1.08 Y	1.09	1.00	-8.8%
PCB-37 344'-TrCB	23.93	1.35E+08	1.03 Y	1.10	0.99	-10.1%
PCB-54 22'66'-TeCB	18.13	1.01E+08	0.80 Y	1.21	1.18	-2.7%
PCB-104 22'466'-PeCB	22.88	9.47E+07	0.64 Y	1.25	1.15	-8.6%
PCB-155 22'44'66'-HxCB	27.72	1.08E+08	1.27 Y	1.09	1.07	-1.4%
PCB-188 22'34'566'-HpCB	32.52	7.51E+07	1.07 Y	1.03	1.06	2.7%
PCB-202 22'33'55'66'-OcCB	37.01	6.17E+07	0.91 Y	0.91	0.92	0.1%
PCB-205 233'44'55'6-OcCB	45.13	6.74E+07	0.91 Y	1.09	1.02	-6.6%
PCB-208 22'33'455'66'-NoCB	42.59	6.24E+07	0.77 Y	1.02	0.92	-9.5%
PCB-206 22'33'44'55'6-NoCB	46.58	4.46E+07	0.77 Y	0.98	0.93	-5.3%

PCB QC Summary - Ax2 Detail

Processed: 30-Oct-2012 10:31

Lab ID: CS3_121024_PCB_XC
 Acquired: 24-OCT-2012 19:26
 Datafile: 121024X18

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA		RRF	
PCB-1 2-MoCB	10.42	1.18E+08	3.13 Y	1.03	-	-
PCB-2 3-MoCB	12.27	1.29E+08	3.17 Y	1.04	0.85	-18.2%
PCB-3 4-MoCB	12.43	1.30E+08	3.16 Y	1.04	-	-
PCB-4 22'-DiCB	12.65	9.57E+07	1.57 Y	1.17	-	-
PCB-10 26-DiCB	12.81	1.49E+08	1.58 Y	1.83	1.63	-11.1%
PCB-9 25-DiCB	14.44	1.13E+08	1.56 Y	0.89	0.72	-19.2%
PCB-7 24-DiCB	14.59	1.31E+08	1.59 Y	1.02	0.84	-18.5%
PCB-6 23'-DiCB	14.80	1.23E+08	1.55 Y	0.95	0.79	-17.0%
PCB-5 23-DiCB	15.07	1.23E+08	1.57 Y	0.97	0.79	-19.2%
PCB-8 24'-DiCB	15.18	1.29E+08	1.57 Y	0.98	0.82	-16.2%
PCB-14 35-DiCB	16.63	1.52E+08	1.56 Y	1.16	0.97	-16.2%
PCB-11 33'-DiCB	17.36	1.33E+08	1.56 Y	1.00	0.85	-14.9%
PCB-13/12 34'-/34-DiCB	17.63	2.73E+08	1.56 Y	1.02	0.87	-14.4%
PCB-15 44'-DiCB	17.89	1.43E+08	1.57 Y	1.08	-	-
PCB-19 22'6-TrCB	15.43	8.76E+07	1.08 Y	1.09	-	-
PCB-30/18 246-/22'5-TrCB	17.08	2.42E+08	1.07 Y	1.46	1.38	-5.8%
PCB-17 22'4-TrCB	17.45	1.05E+08	1.08 Y	1.25	1.19	-4.7%
PCB-27 23'6-TrCB	17.63	1.40E+08	1.08 Y	1.69	1.60	-5.7%
PCB-24 236-TrCB	17.75	1.37E+08	1.07 Y	1.63	1.56	-4.3%
PCB-16 22'3-TrCB	17.83	7.93E+07	1.08 Y	0.95	0.90	-5.4%
PCB-32 24'6-TrCB	18.29	1.49E+08	1.07 Y	1.79	1.69	-5.3%
PCB-34 2'35-TrCB	19.40	1.15E+08	1.02 Y	1.05	0.84	-19.6%
PCB-23 235-TrCB	19.53	1.22E+08	1.01 Y	1.06	0.90	-15.3%
PCB-26/29 23'5-/245-TrCB	19.81	2.50E+08	1.01 Y	1.09	0.92	-15.5%
PCB-25 23'4-TrCB	19.99	1.26E+08	1.02 Y	1.07	0.92	-14.1%
PCB-31 24'5-TrCB	20.26	1.32E+08	1.01 Y	1.11	0.97	-13.0%
PCB-28/20 244'-/233'-TrCB	20.52	2.53E+08	1.02 Y	1.07	0.93	-13.1%
PCB-21/33 234'-/2'34-TrCB	20.69	2.63E+08	1.02 Y	1.09	0.96	-11.7%
PCB-22 234'-TrCB	21.05	1.21E+08	1.01 Y	1.02	0.89	-12.5%
PCB-36 33'5-TrCB	22.40	1.38E+08	1.02 Y	1.13	1.01	-10.4%
PCB-39 34'5-TrCB	22.70	1.42E+08	1.03 Y	1.17	1.04	-10.7%
PCB-38 345-TrCB	23.20	1.26E+08	1.01 Y	1.03	0.93	-10.3%
PCB-35 33'4-TrCB	23.59	1.28E+08	1.03 Y	1.04	0.94	-9.8%
PCB-37 344'-TrCB	23.93	1.35E+08	1.03 Y	1.10	-	-
PCB-54 22'66'-TeCB	18.13	1.01E+08	0.80 Y	1.21	-	-
PCB-50/53 22'46-/22'56'TeCB	20.03	1.79E+08	0.79 Y	0.86	0.77	-9.9%
PCB-45 22'36'-TeCB	20.57	7.45E+07	0.78 Y	0.73	0.64	-12.1%
PCB-51 22'46'-TeCB	20.65	9.40E+07	0.79 Y	0.88	0.81	-7.8%
PCB-46 22'36'-TeCB	20.84	7.30E+07	0.80 Y	0.70	0.63	-9.5%
PCB-52 22'55'-TeCB	22.07	8.91E+07	0.79 Y	0.84	0.77	-8.9%
PCB-73 23'5'6TeCB	22.20	1.16E+08	0.79 Y	1.09	1.00	-7.8%

Lab ID: CS3_121024_PCB_XC
 Acquired: 24-OCT-2012 19:26
 Datafile: 121024X18

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	22.28	7.81E+07	0.80 Y	0.72	0.67	-6.9%
PCB-69/49 23'46'-/22'45'TeCB	22.48	2.19E+08	0.80 Y	1.01	0.94	-7.0%
PCB-48 22'45'-TeCB	22.74	9.02E+07	0.79 Y	0.85	0.78	-8.5%
PCB-44/47/65 22'35'-/22'44'-	22.95	2.86E+08	0.79 Y	0.89	0.82	-7.5%
PCB-59/62/75 233'6'-/2346-/24	23.21	3.69E+08	0.80 Y	1.14	1.06	-6.8%
PCB-42 22'34'-TeCB	23.36	8.47E+07	0.79 Y	0.77	0.73	-5.3%
PCB-41 22'34'-TeCB	23.68	7.71E+07	0.79 Y	0.73	0.66	-8.6%
PCB-71/40 23'4'6'/22'33'-TeCB	23.78	1.84E+08	0.80 Y	0.87	0.79	-8.2%
PCB-64 234'6'-TeCB	23.98	1.32E+08	0.80 Y	1.24	1.14	-8.1%
PCB-72 23'55'-TeCB	24.70	1.07E+08	0.78 Y	1.14	0.92	-19.2%
PCB-68 23'45'-TeCB	24.95	1.22E+08	0.76 Y	1.21	1.06	-12.7%
PCB-57 233'5'-TeCB	25.30	1.08E+08	0.77 Y	1.11	0.93	-16.0%
PCB-58 233'5'-TeCB	25.50	1.09E+08	0.78 Y	1.10	0.94	-14.9%
PCB-67 23'45'-TeCB	25.65	1.14E+08	0.77 Y	1.16	0.98	-15.3%
PCB-63 234'5'-TeCB	25.87	1.21E+08	0.78 Y	1.22	1.04	-14.1%
PCB-61/70/74/76 2345-/23'4'5	26.15	4.53E+08	0.77 Y	1.13	0.98	-13.6%
PCB-66 23'44'-TeCB	26.43	1.09E+08	0.81 Y	1.08	0.94	-12.8%
PCB-55 233'4'-TeCB	26.56	1.05E+08	0.73 Y	1.10	0.90	-17.6%
PCB-56 233'4'-TeCB	26.98	1.04E+08	0.77 Y	1.06	0.89	-15.2%
PCB-60 2344'-TeCB	27.17	1.10E+08	0.77 Y	1.11	0.95	-14.5%
PCB-80 33'55'-TeCB	27.54	1.24E+08	0.78 Y	1.25	1.07	-14.3%
PCB-79 33'45'-TeCB	28.81	1.24E+08	0.76 Y	1.23	1.07	-13.3%
PCB-78 33'45'-TeCB	29.28	1.08E+08	0.76 Y	1.08	0.93	-13.7%
PCB-104 22'466'-PeCB	22.88	9.47E+07	0.64 Y	1.25	-	-
PCB-96 22'366'-PeCB	23.18	8.17E+07	0.64 Y	1.08	0.99	-7.9%
PCB-103 22'45'6'-PeCB	24.85	8.57E+07	0.62 Y	0.90	0.85	-5.4%
PCB-94 22'356'-PeCB	25.02	7.38E+07	0.62 Y	0.78	0.73	-5.4%
PCB-95 22'35'6'-PeCB	25.39	7.89E+07	0.62 Y	0.83	0.79	-4.9%
PCB-100/93 22'44'6'-/22'356-P	25.60	1.64E+08	0.62 Y	0.84	0.81	-3.5%
PCB-102 22'456'-PeCB	25.71	8.15E+07	0.62 Y	0.90	0.81	-9.9%
PCB-98 22'3'46'-PeCB	25.77	7.64E+07	0.62 Y	0.77	0.76	-1.7%
PCB-88 22'346'-PeCB	26.05	6.20E+07	0.62 Y	0.79	0.62	-22.3%
PCB-91 22'34'6'-PeCB	26.13	8.38E+07	0.63 Y	0.88	0.83	-5.2%
PCB-84 22'33'6'-PeCB	26.30	6.79E+07	0.62 Y	0.71	0.68	-5.0%
PCB-89 22'346'-PeCB	26.71	7.22E+07	0.62 Y	0.76	0.72	-5.6%
PCB-121 23'45'6'-PeCB	27.10	1.10E+08	0.62 Y	1.14	1.10	-4.2%
PCB-92 22'355'-PeCB	27.40	7.67E+07	0.62 Y	0.80	0.76	-4.6%
PCB-113/90/101 233'5'6'-/22'3	27.87	2.71E+08	0.62 Y	0.93	0.90	-3.7%
PCB-83 22'33'5'-PeCB	28.28	6.43E+07	0.61 Y	0.71	0.64	-10.2%

Lab ID: CS3_121024_PCB_XC
 Acquired: 24-OCT-2012 19:26
 Datafile: 121024X18

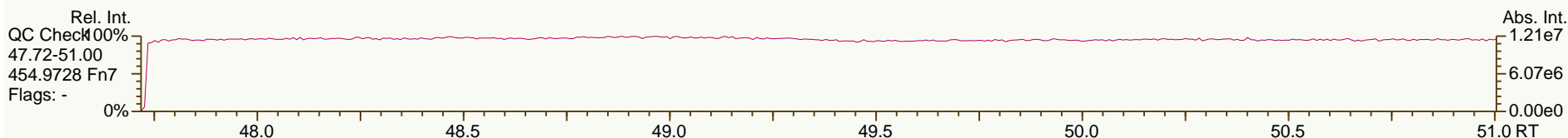
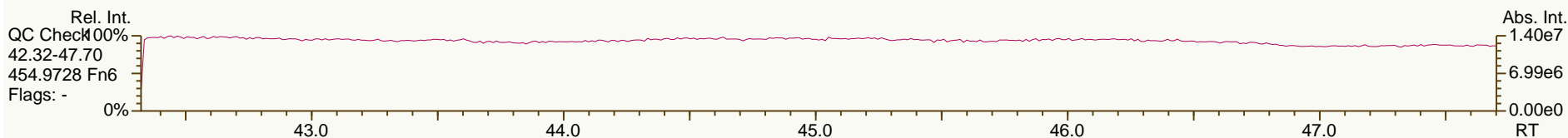
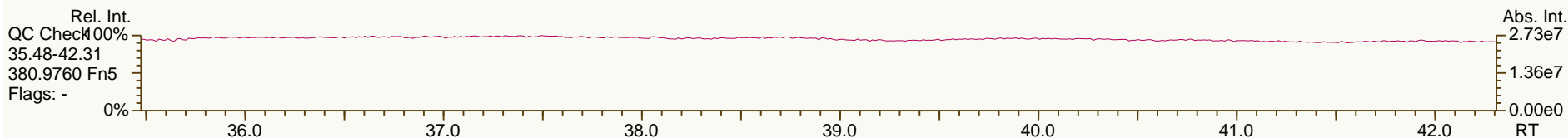
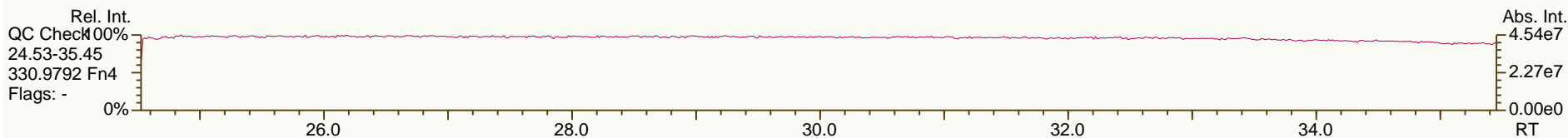
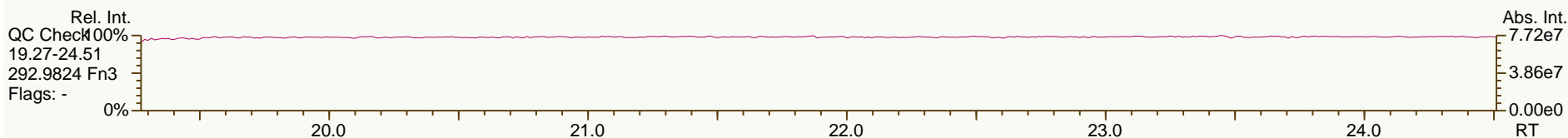
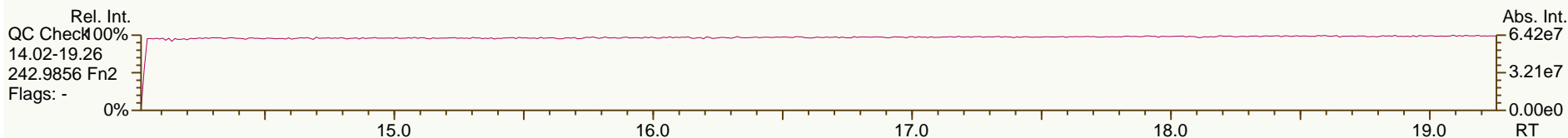
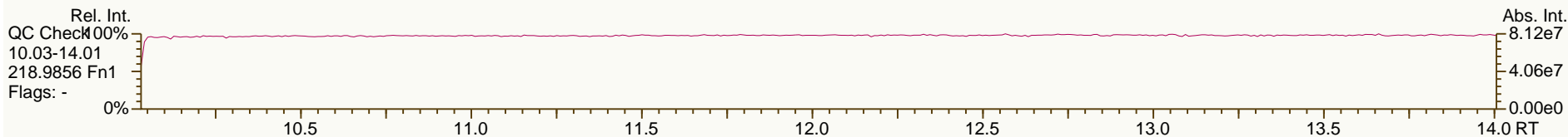
ICAL: MM7_PCB_07132012_25JUL12

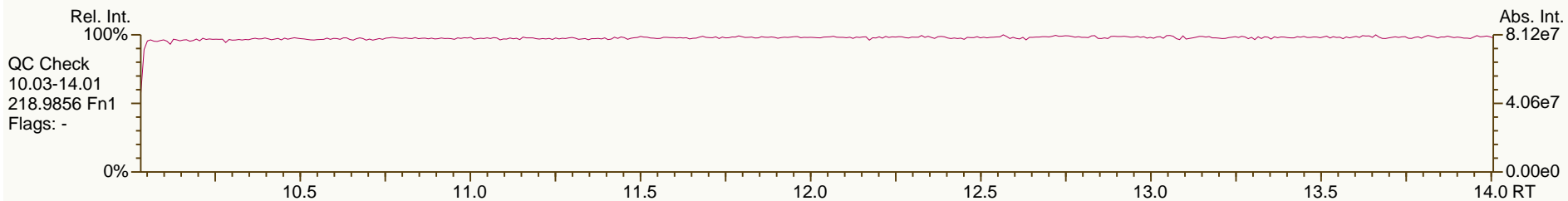
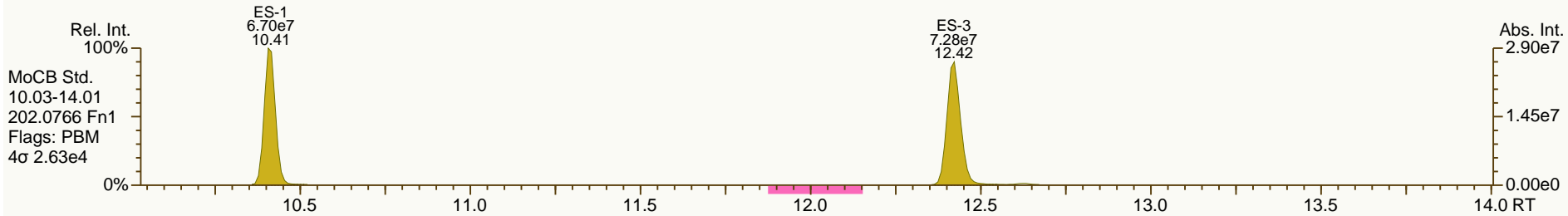
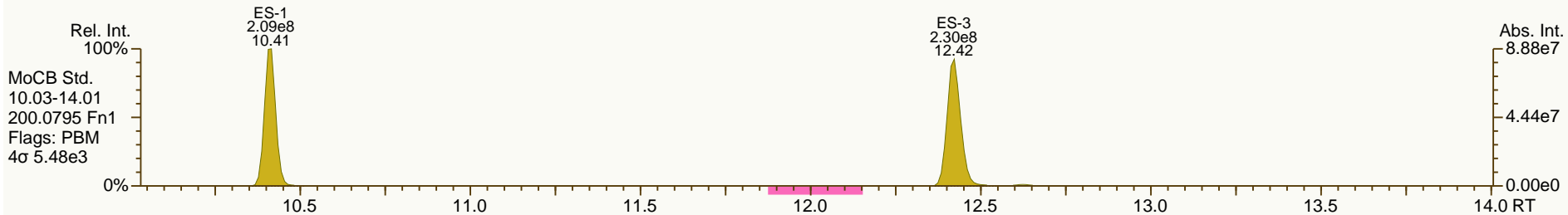
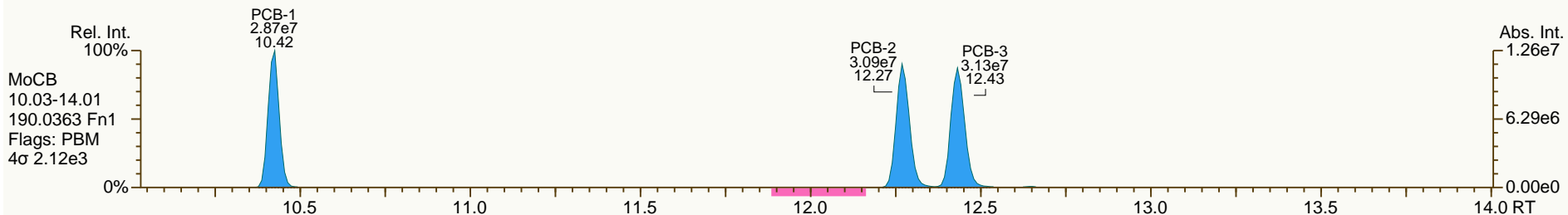
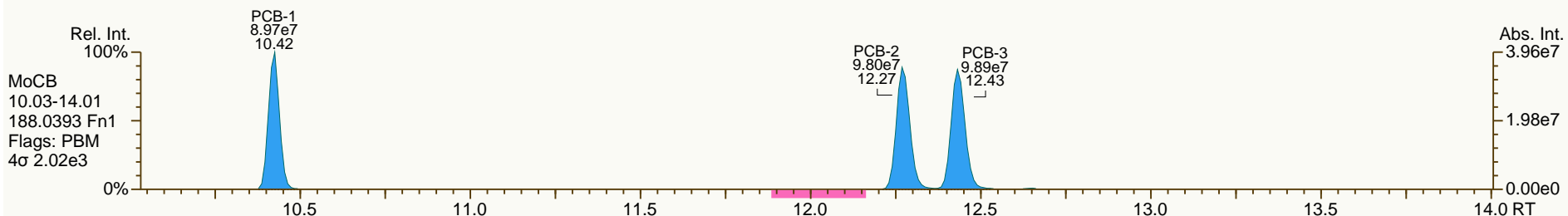
Name	RT	Response	RA	RRF	
PCB-99 22'44'5-PeCB	28.39	8.97E+07	0.62 Y	0.87	2.4%
PCB-112 233'56-PeCB	28.48	1.07E+08	0.63 Y	1.13	-5.5%
PCB-109/119/86/97/125...-PeCB	28.82	5.53E+08	0.62 Y	0.95	-3.5%
PCB-117 234'56-PeCB	29.33	8.39E+07	0.61 Y	1.04	-19.7%
PCB-116/85 23456-/22'344'-Pe	29.41	2.05E+08	0.62 Y	0.97	4.6%
PCB-110 233'4'6-PeCB	29.54	1.11E+08	0.62 Y	1.02	7.6%
PCB-115 2344'6-PeCB	29.63	1.03E+08	0.62 Y	1.16	-11.4%
PCB-82 22'33'4-PeCB	29.80	6.77E+07	0.62 Y	0.69	-2.5%
PCB-111 233'55'-PeCB	30.17	1.14E+08	0.62 Y	1.15	-1.8%
PCB-120 23'455'-PeCB	30.56	1.15E+08	0.62 Y	1.16	-1.6%
PCB-108/124 ...-PeCB	31.49	2.13E+08	0.62 Y	1.07	-1.4%
PCB-107 233'4'5-PeCB	31.69	1.13E+08	0.61 Y	1.14	-1.2%
PCB-106 233'45-PeCB	31.90	1.05E+08	0.62 Y	1.07	-2.8%
PCB-122 2'33'45-PeCB	32.35	1.00E+08	0.62 Y	1.00	-1.3%
PCB-127 33'455'-PeCB	34.30	1.10E+08	0.62 Y	1.10	-1.1%
PCB-155 22'44'66'-HxCB	27.72	1.08E+08	1.27 Y	1.09	-
PCB-152 22'3566'-HxCB	27.85	9.82E+07	1.25 Y	1.01	-3.1%
PCB-150 22'34'66'-HxCB	28.00	1.01E+08	1.27 Y	1.00	0.4%
PCB-136 22'33'66'-HxCB	28.29	9.28E+07	1.26 Y	0.95	-2.7%
PCB-145 22'3466'HxCB	28.55	9.55E+07	1.27 Y	0.96	-0.8%
PCB-148 22'34'56'-HxCB	29.84	7.45E+07	1.27 Y	0.74	0.6%
PCB-151/135 22'355'6-/22'33'	30.34	1.45E+08	1.26 Y	0.73	-1.6%
PCB-154 22'44'5'6'-HxCB	30.56	8.26E+07	1.26 Y	0.83	-0.7%
PCB-144 22'345'6-HxCB	30.80	7.49E+07	1.27 Y	0.75	-0.1%
PCB-147/149 22'34'56-/22'34'	31.10	1.49E+08	1.28 Y	0.75	-0.8%
PCB-134 22'33'56-HxCB	31.26	5.95E+07	1.26 Y	0.61	-2.7%
PCB-143 22'3456'-HxCB	31.34	7.28E+07	1.27 Y	0.73	0.0%
PCB-139/140 22'344'6-/22'344'	31.61	1.53E+08	1.27 Y	0.76	0.2%
PCB-131 22'33'46-HxCB	31.77	6.53E+07	1.25 Y	0.65	0.7%
PCB-142 22'3456-HxCB	31.90	6.66E+07	1.27 Y	0.67	-0.1%
PCB-132 22'33'46'-HxCB	32.14	6.72E+07	1.26 Y	0.68	-1.0%
PCB-133 22'33'55'-HxCB	32.59	6.98E+07	1.27 Y	0.70	0.0%
PCB-165 233'55'6-HxCB	32.92	8.68E+07	1.27 Y	0.86	0.4%
PCB-146 22'34'55'-HxCB	33.13	7.77E+07	1.27 Y	0.77	1.0%
PCB-161 233'45'6-HxCB	33.25	9.56E+07	1.27 Y	0.96	0.0%
PCB-153/168 22'44'55'-/23'44'	33.67	1.82E+08	1.26 Y	0.93	-2.2%
PCB-141 22'3455'-HxCB	33.80	7.34E+07	1.28 Y	0.71	3.7%
PCB-130 22'33'45'-HxCB	34.14	6.37E+07	1.27 Y	0.65	-1.6%
PCB-137 22'344'5-HxCB	34.32	6.94E+07	1.26 Y	0.80	-12.9%
PCB-164 233'4'5'6-HxCB	34.42	9.05E+07	1.27 Y	0.93	-3.2%
PCB-163/138/129 233'4'56-/22'	34.70	2.30E+08	1.26 Y	0.78	-1.8%

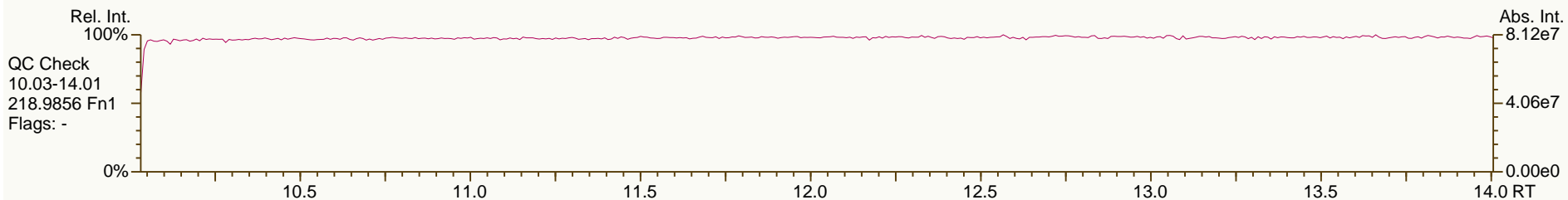
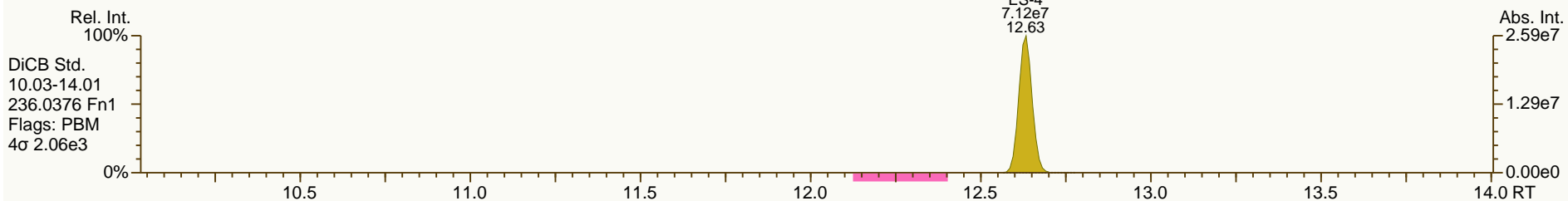
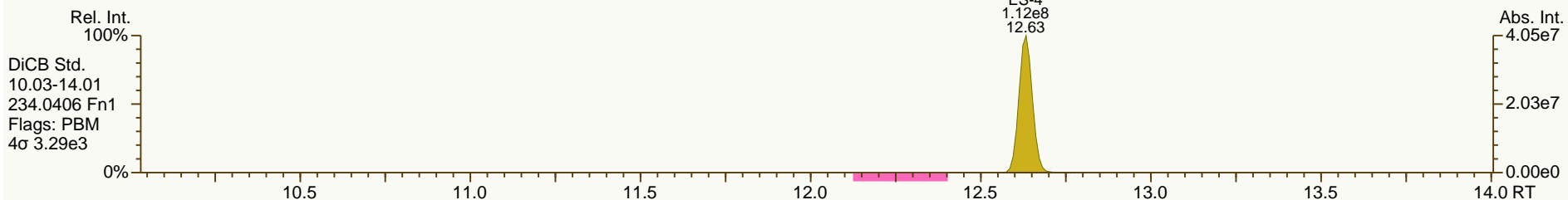
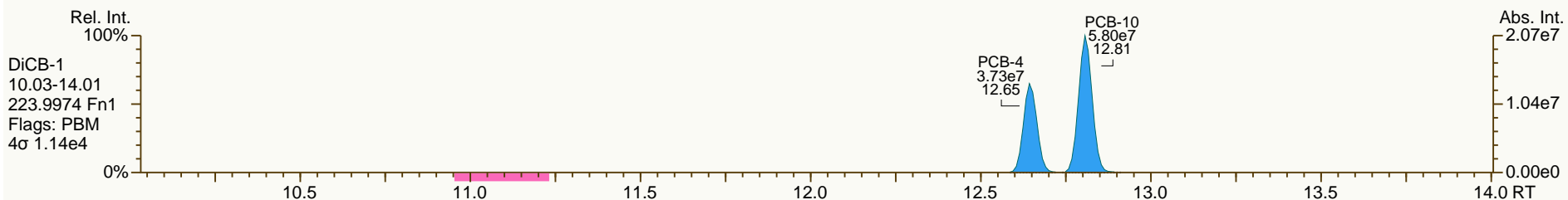
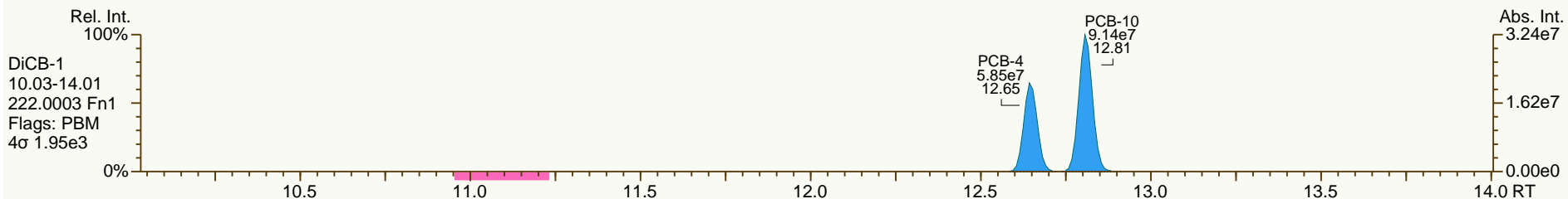
Lab ID: CS3_121024_PCB_XC
 Acquired: 24-OCT-2012 19:26
 Datafile: 121024X18

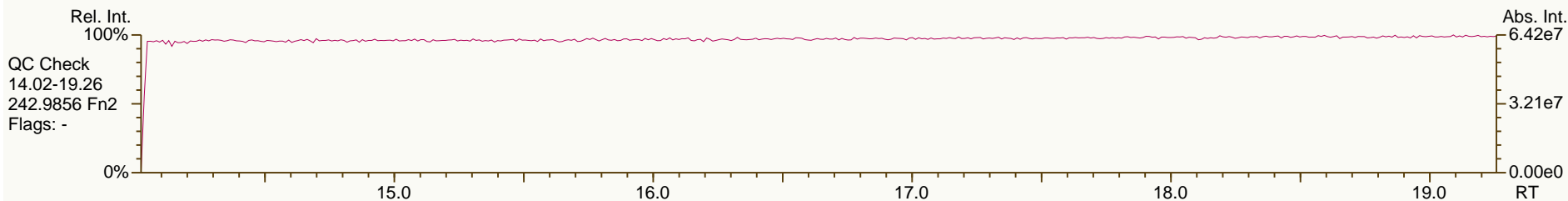
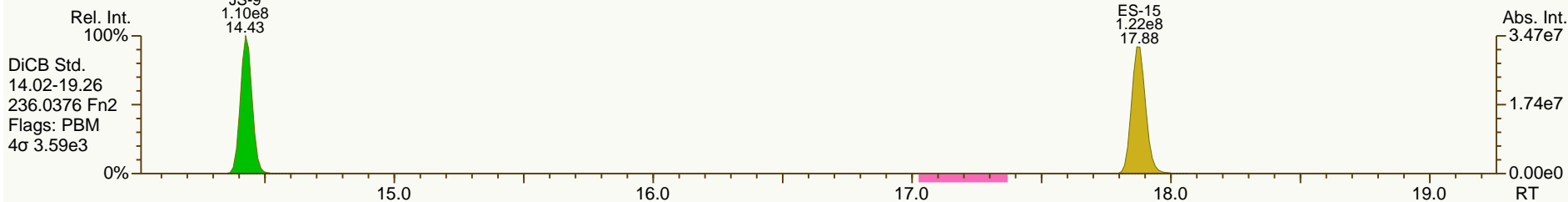
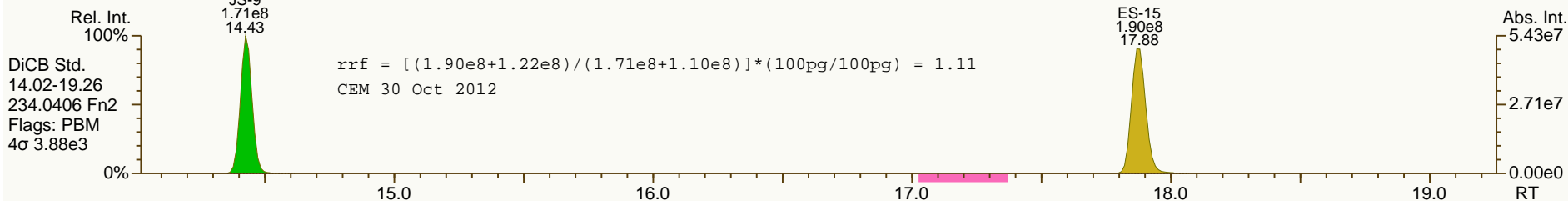
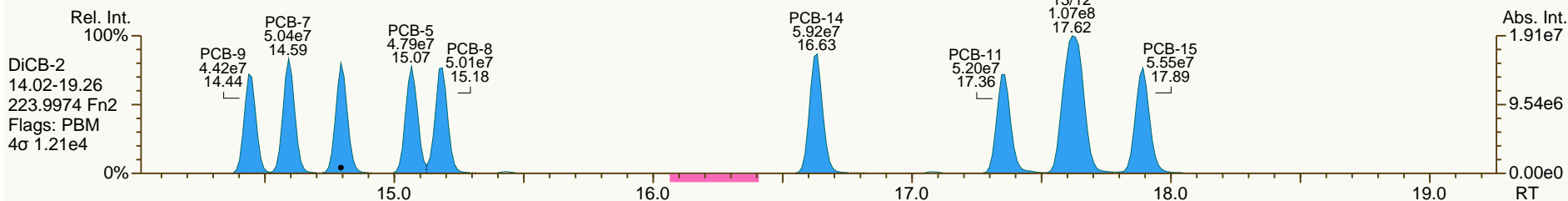
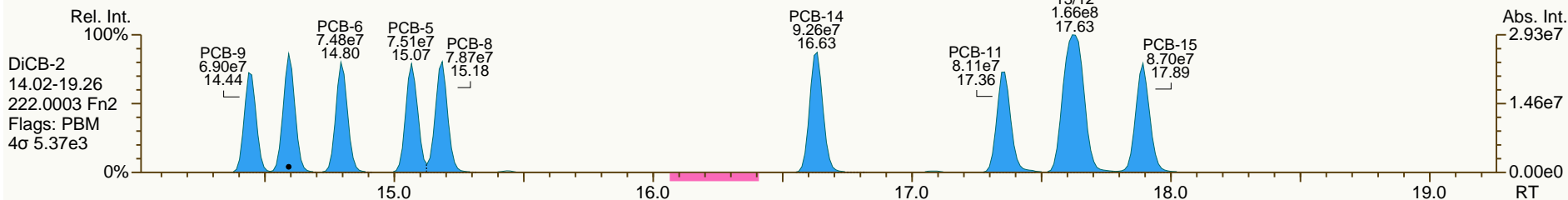
ICAL: MM7_PCB_07132012_25JUL12

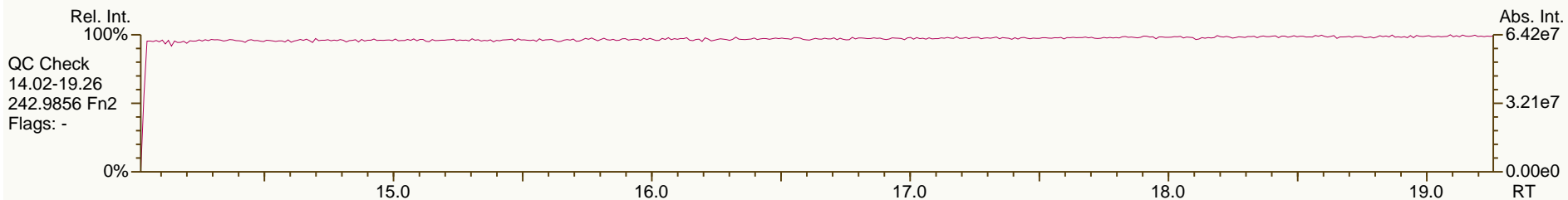
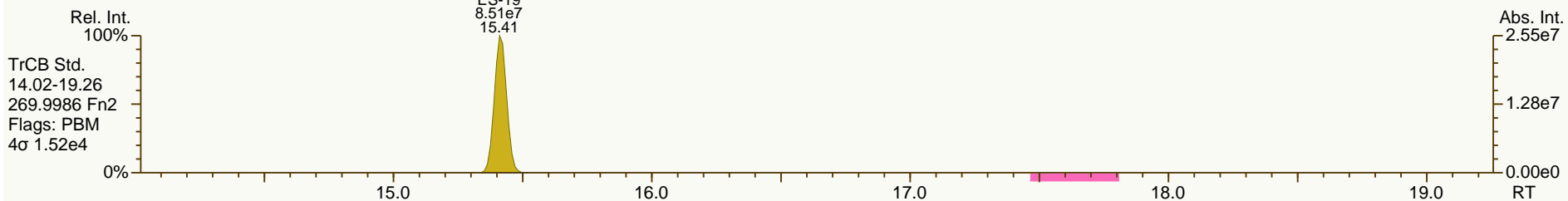
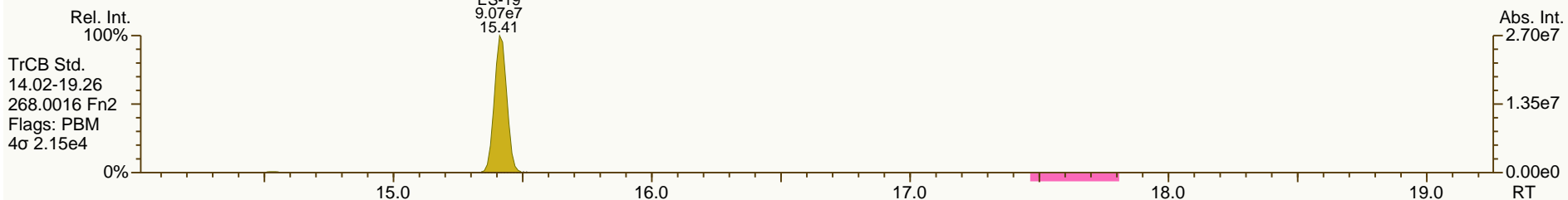
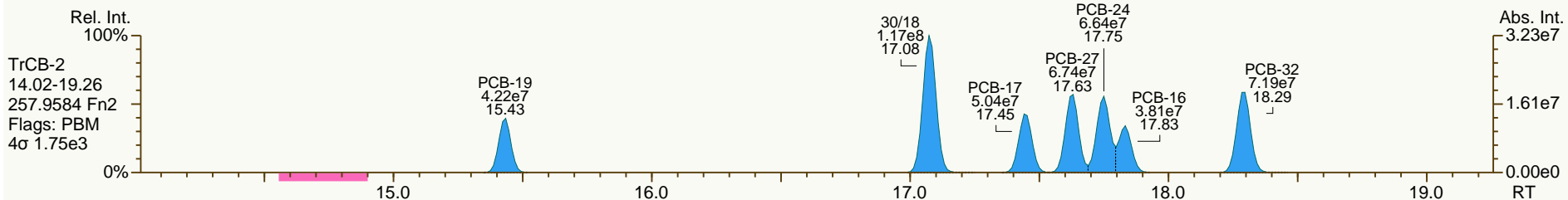
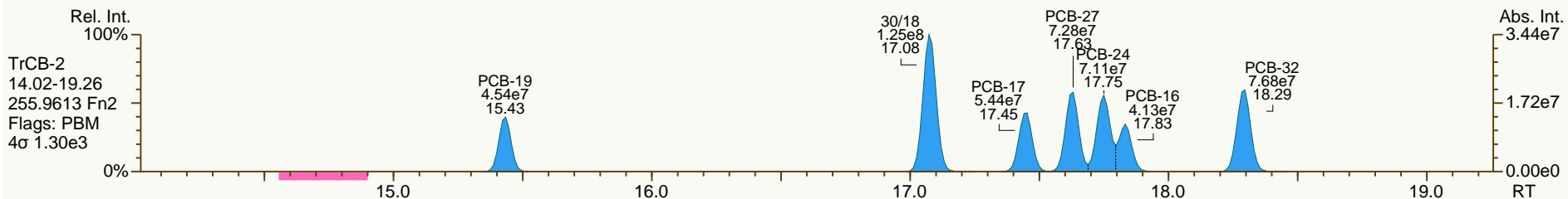
Name	RT	Response	RA		RRF	
PCB-160 233'456'-HxCB	34.82	9.03E+07	1.27 Y	0.92	0.90	-2.0%
PCB-158 233'44'6'-HxCB	35.01	9.96E+07	1.27 Y	1.02	0.99	-2.4%
PCB-128/166 22'33'44'-/2344'5	35.73	1.65E+08	1.22 Y	0.90	0.85	-4.9%
PCB-159 233'455'-HxCB	36.57	9.74E+07	1.22 Y	1.06	1.01	-5.1%
PCB-162 233'4'55'-HxCB	36.81	1.02E+08	1.23 Y	1.08	1.05	-2.1%
PCB-188 22'34'566'-HpCB	32.52	7.51E+07	1.07 Y	1.03	-	-
PCB-179 22'33'566'-HpCB	32.78	7.02E+07	1.07 Y	0.97	0.99	2.4%
PCB-184 22'344'66'-HpCB	33.24	6.81E+07	1.06 Y	0.93	0.96	3.2%
PCB-176 22'33'466'-HpCB	33.52	7.56E+07	1.07 Y	1.05	1.07	2.1%
PCB-186 22'34566'-HpCB	33.90	7.09E+07	1.08 Y	0.98	1.00	2.1%
PCB-178 22'33'55'6'-HpCB	35.07	5.16E+07	1.07 Y	0.74	0.73	-0.9%
PCB-175 22'33'45'6'-HpCB	35.60	6.62E+07	1.05 Y	0.90	0.94	4.2%
PCB-187 22'34'55'6'-HpCB	35.83	7.07E+07	1.06 Y	0.95	1.00	5.6%
PCB-182 22'344'56'-HpCB	36.00	7.30E+07	1.05 Y	0.99	1.03	4.3%
PCB-183 22'344'5'6'-HpCB	36.34	7.51E+07	1.05 Y	1.01	1.06	5.2%
PCB-185 22'3455'6'-HpCB	36.41	6.90E+07	1.07 Y	0.91	0.98	7.5%
PCB-174 22'33'456'-HpCB	36.52	6.15E+07	1.06 Y	0.83	0.87	5.2%
PCB-177 22'33'4'56'-HpCB	36.89	6.09E+07	1.05 Y	0.81	0.86	6.8%
PCB-181 22'344'56'-HpCB	37.23	7.01E+07	1.06 Y	0.95	0.99	4.7%
PCB-171/173 22'33'44'6'-/22'3	37.41	1.23E+08	1.05 Y	0.83	0.87	5.4%
PCB-172 22'33'455'-HpCB	38.78	6.25E+07	1.06 Y	0.74	0.79	6.0%
PCB-192 233'455'6'-HpCB	39.03	8.17E+07	1.06 Y	0.97	1.03	6.6%
PCB-180/193 22'344'55'-/233'	39.30	1.49E+08	1.05 Y	0.90	0.94	4.3%
PCB-191 233'44'5'6'-HpCB	39.62	8.47E+07	1.06 Y	1.01	1.07	5.2%
PCB-170 22'33'44'5'-HpCB	40.37	6.07E+07	1.05 Y	0.72	0.76	5.7%
PCB-190 233'44'56'-HpCB	40.82	8.24E+07	1.05 Y	0.98	1.04	6.4%
PCB-202 22'33'55'66'-OcCB	37.01	6.17E+07	0.91 Y	0.91	-	-
PCB-201 22'33'45'66'-OcCB	37.78	6.88E+07	0.91 Y	1.02	1.02	0.1%
PCB-204 22'344'566'-OcCB	38.35	6.47E+07	0.91 Y	0.98	0.96	-1.6%
PCB-197 22'33'44'66'-OcCB	38.54	7.12E+07	0.90 Y	1.06	1.06	-0.7%
PCB-200 22'33'4566'-OcCB	38.61	6.47E+07	0.92 Y	0.96	0.96	0.0%
PCB-198/199 22'33'455'6'-/22'	40.95	9.41E+07	0.92 Y	0.72	0.70	-2.4%
PCB-196 22'33'44'56'-OcCB	41.51	4.81E+07	0.91 Y	0.73	0.71	-2.3%
PCB-203 22'344'55'6'-OcCB	41.68	5.11E+07	0.91 Y	0.76	0.76	-0.8%
PCB-195 22'33'44'56'-OcCB	42.78	4.93E+07	0.92 Y	0.80	0.74	-7.0%
PCB-194 22'33'44'55'-OcCB	44.74	5.29E+07	0.91 Y	0.87	0.80	-8.7%
PCB-205 233'44'55'6'-OcCB	45.13	6.74E+07	0.91 Y	1.09	-	-
PCB-208 22'33'455'66'-NoCB	42.59	6.24E+07	0.77 Y	1.02	-	-
PCB-207 22'33'44'566'-NoCB	43.37	6.26E+07	0.77 Y	1.06	0.92	-12.7%
PCB-206 22'33'44'55'6'-NoCB	46.58	4.46E+07	0.77 Y	0.98	-	-

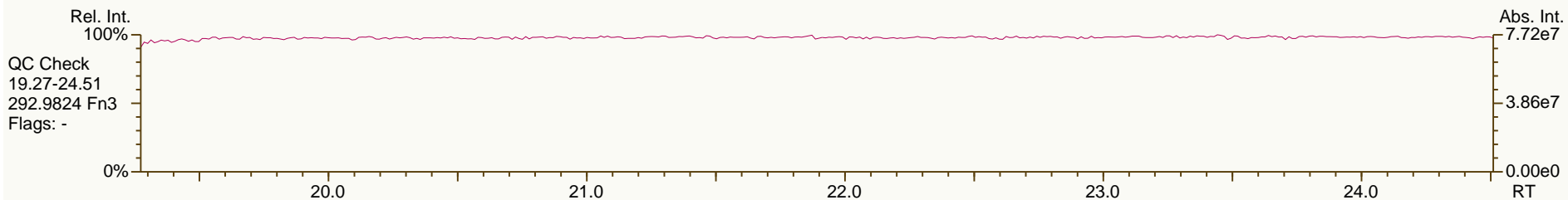
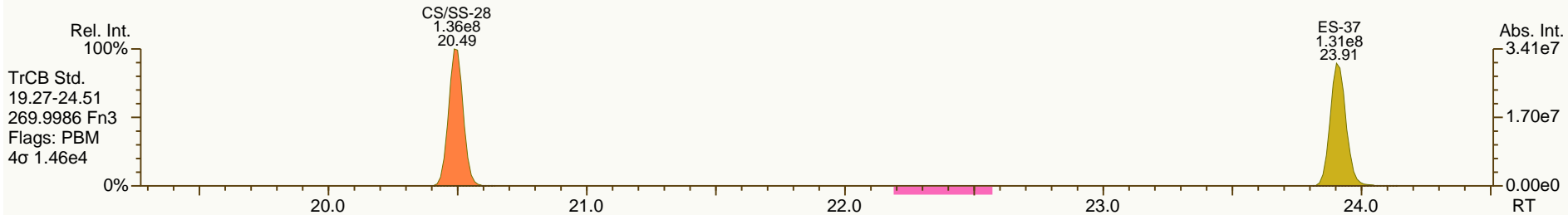
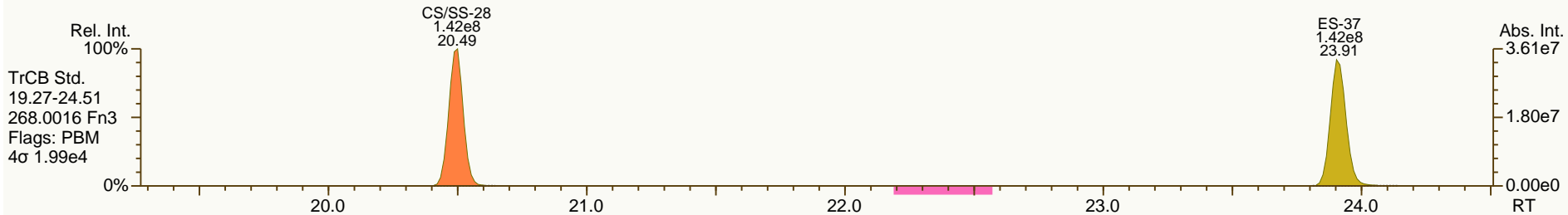
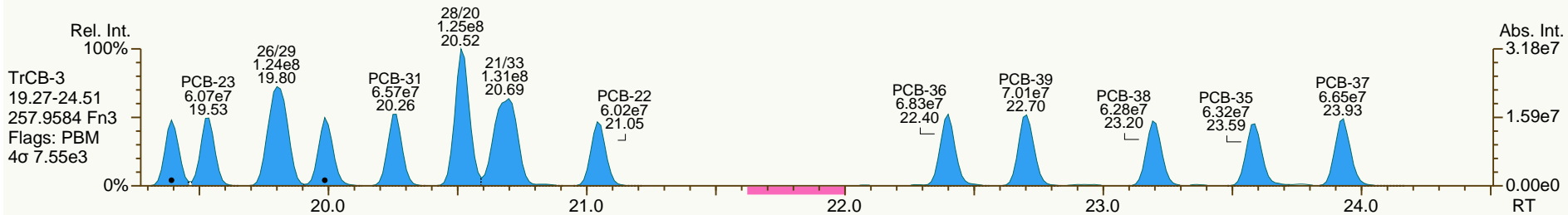
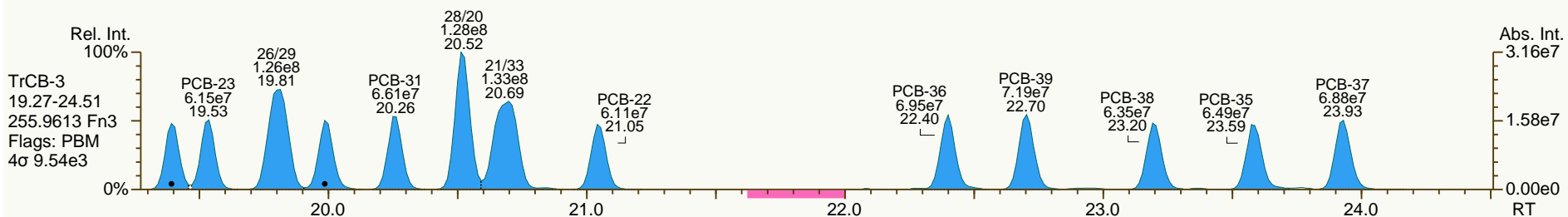


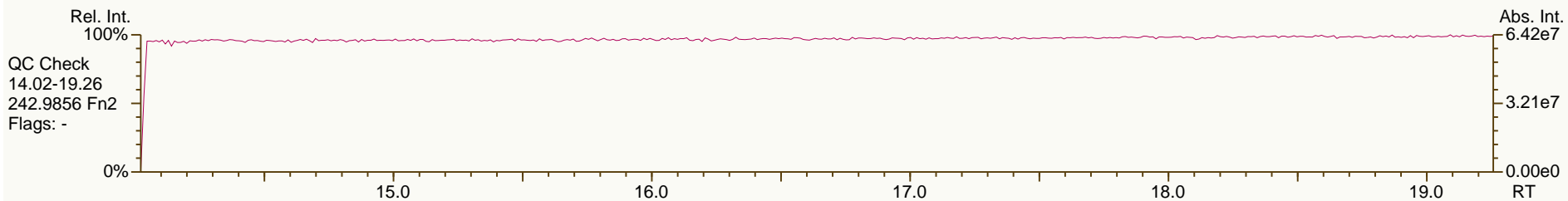
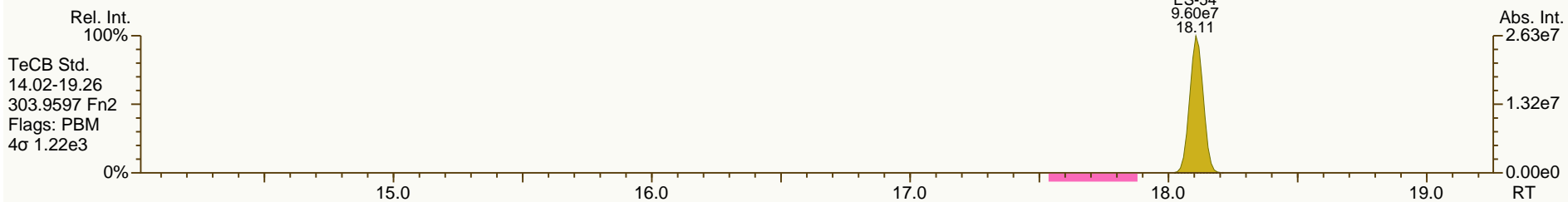
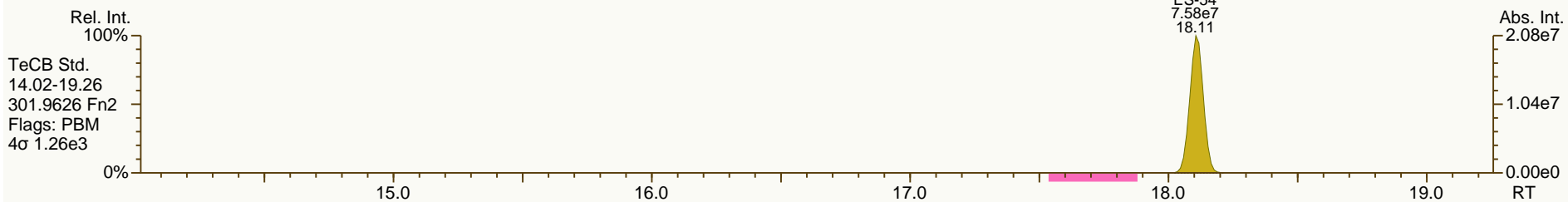
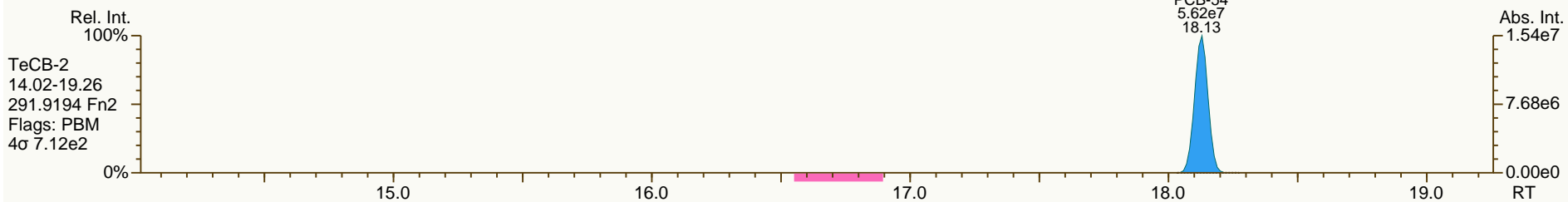
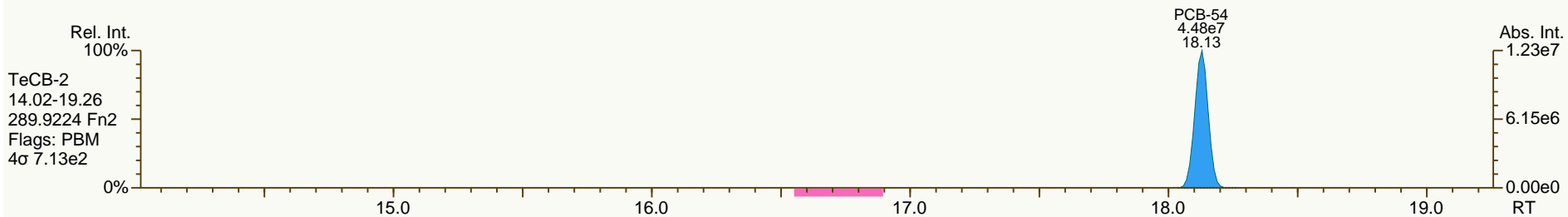


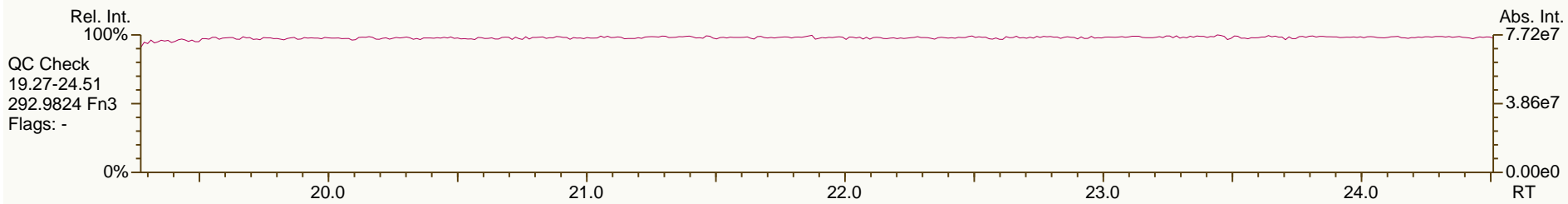
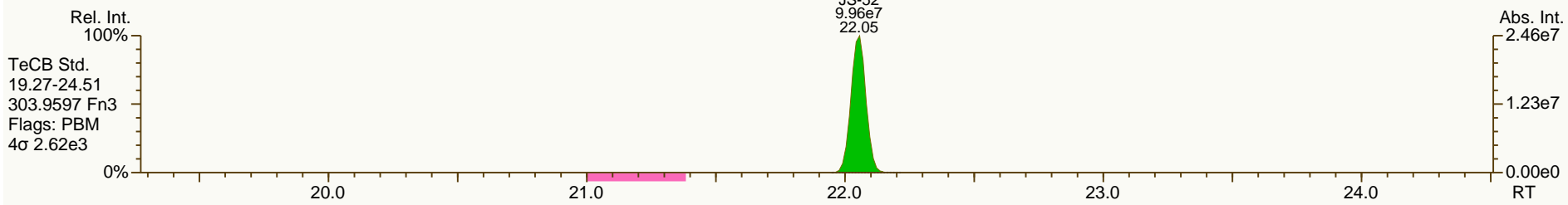
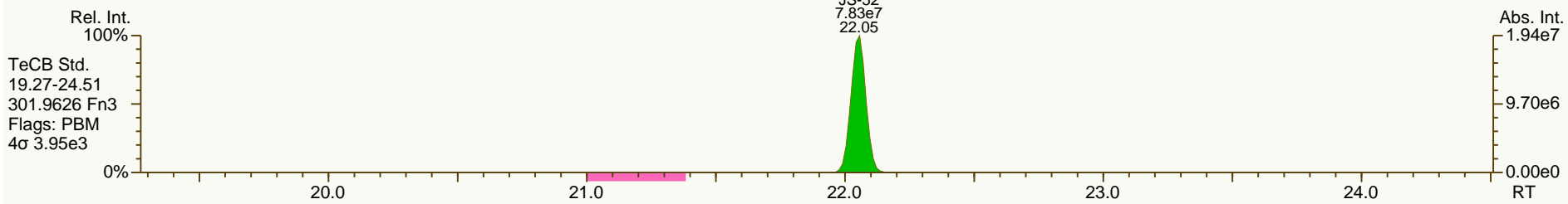
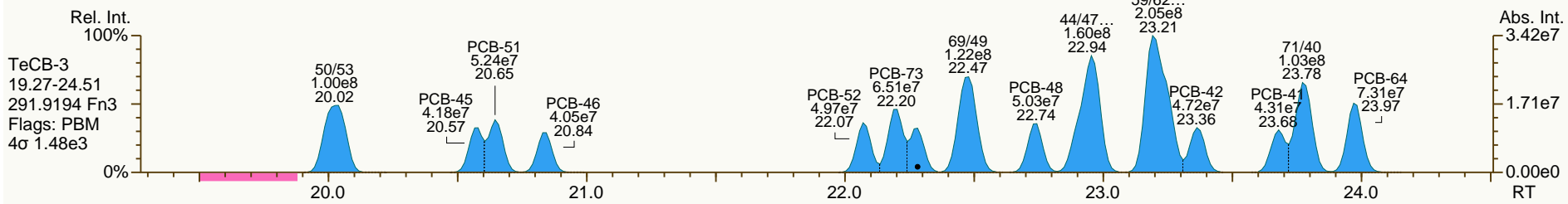
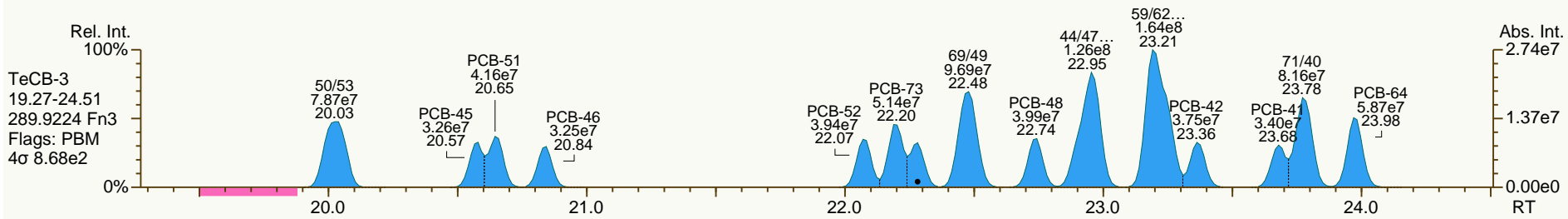


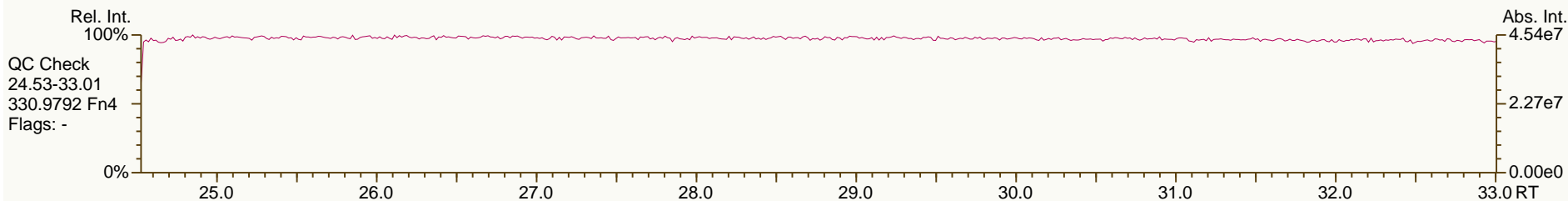
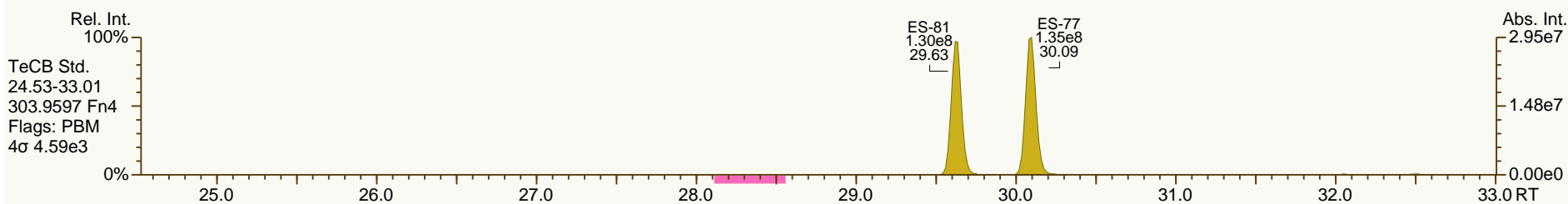
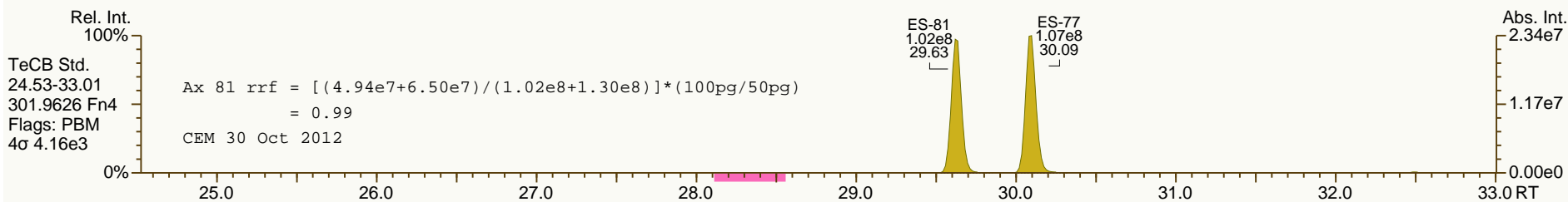
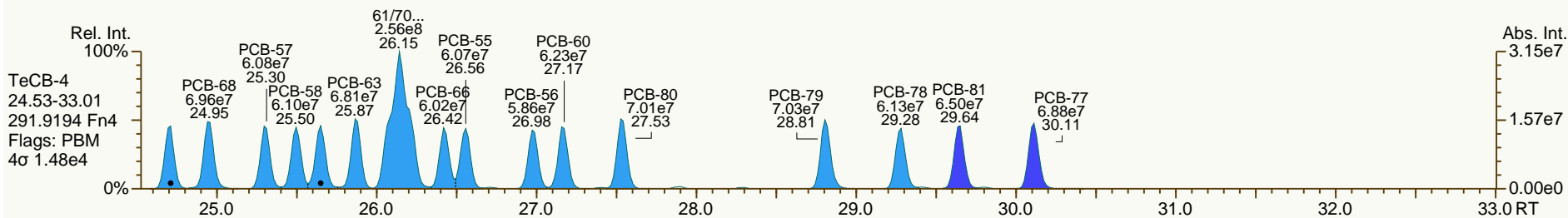
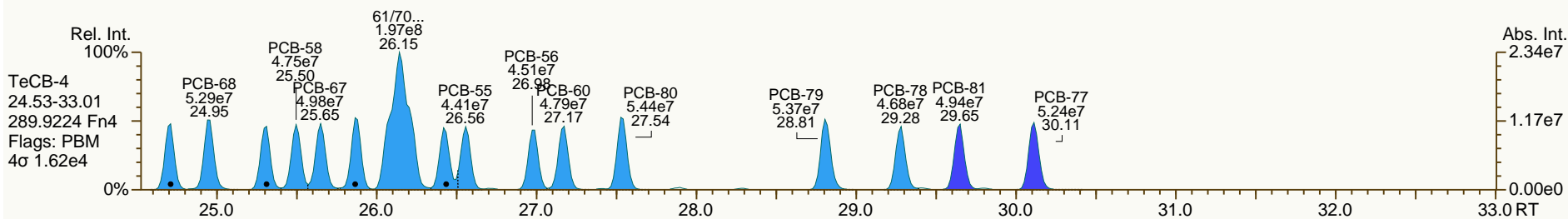


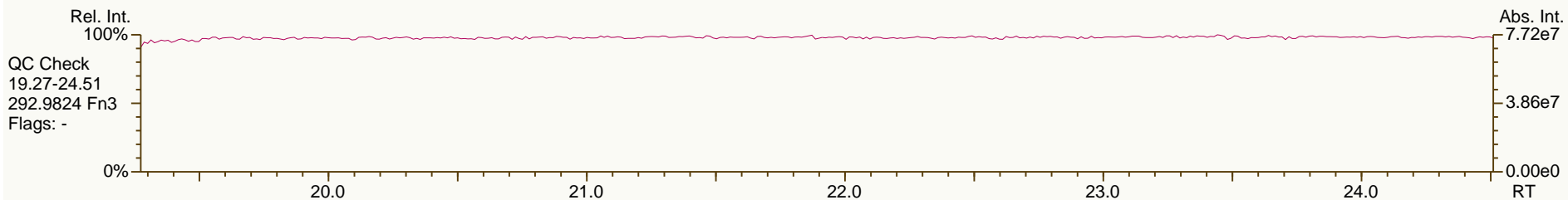
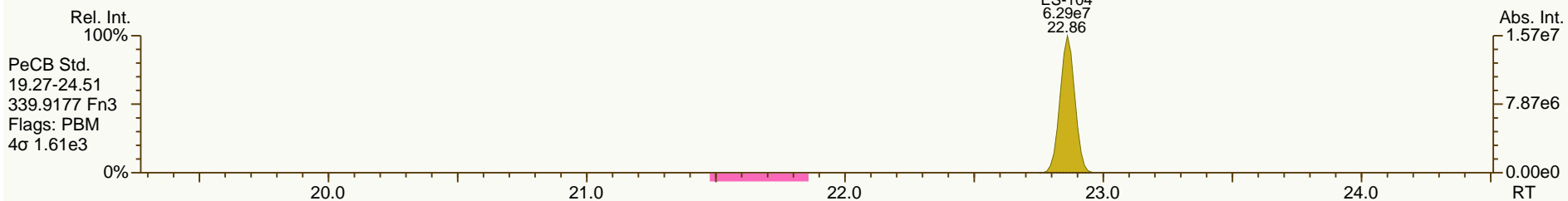
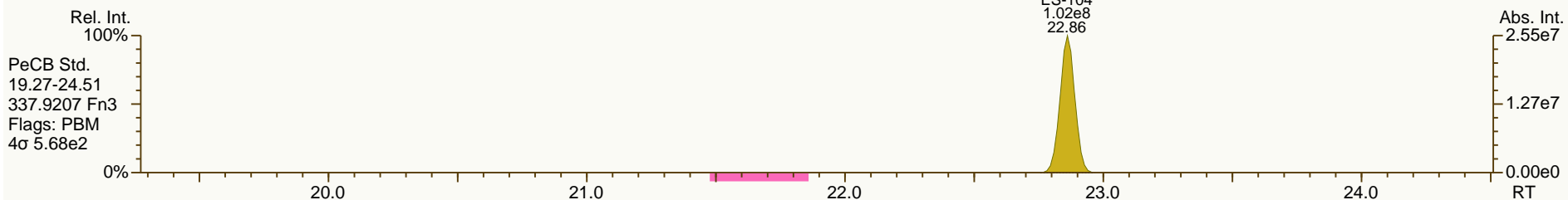
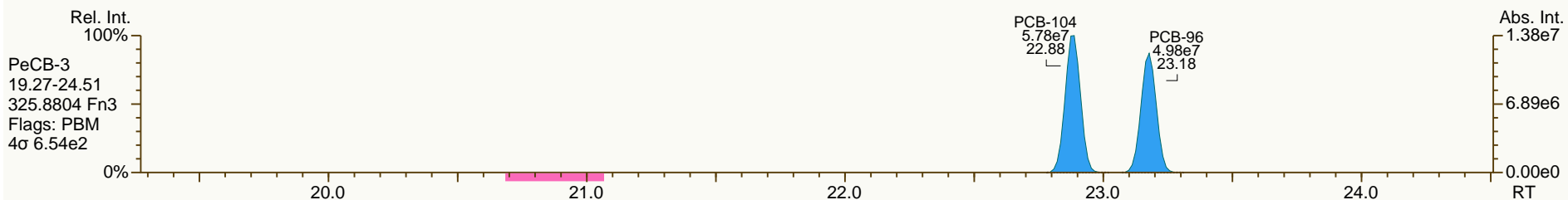
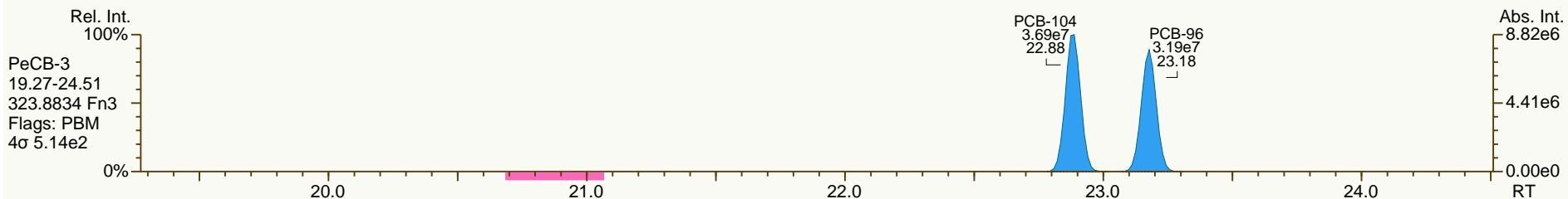


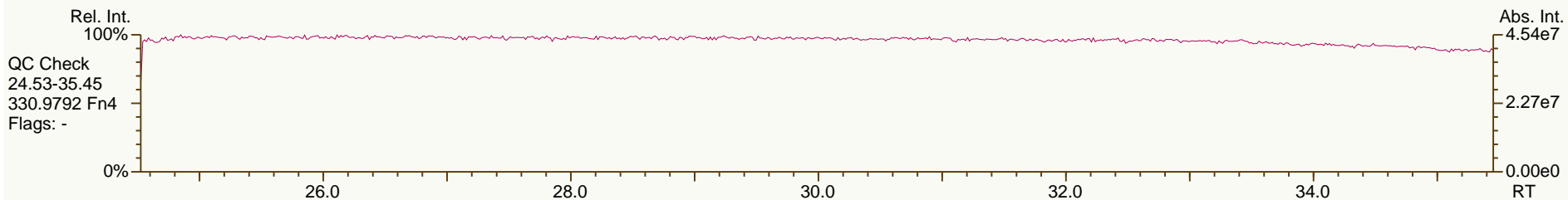
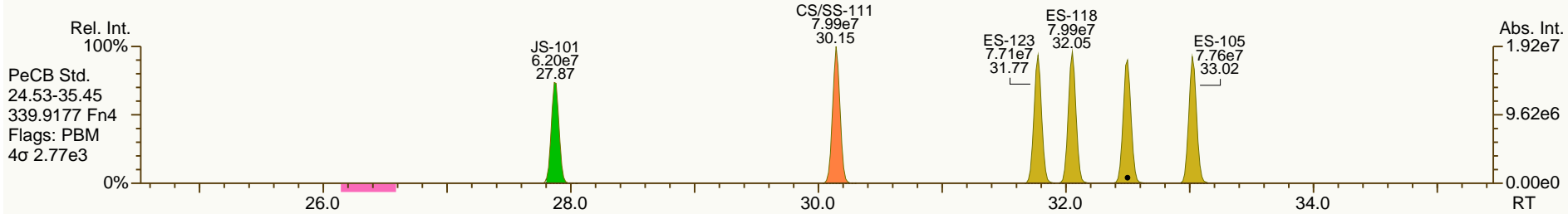
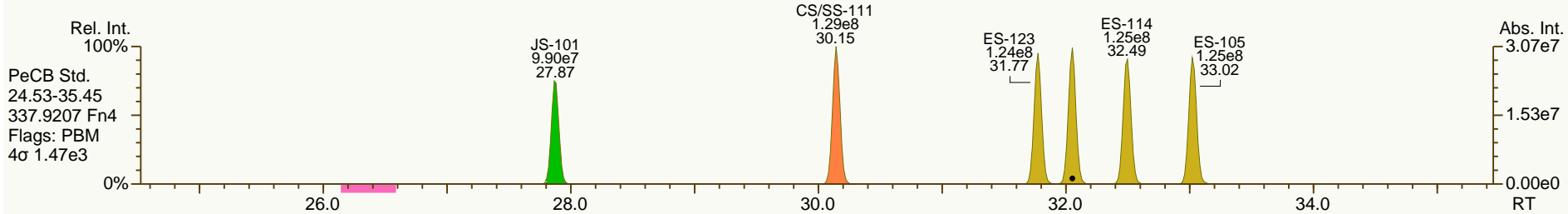
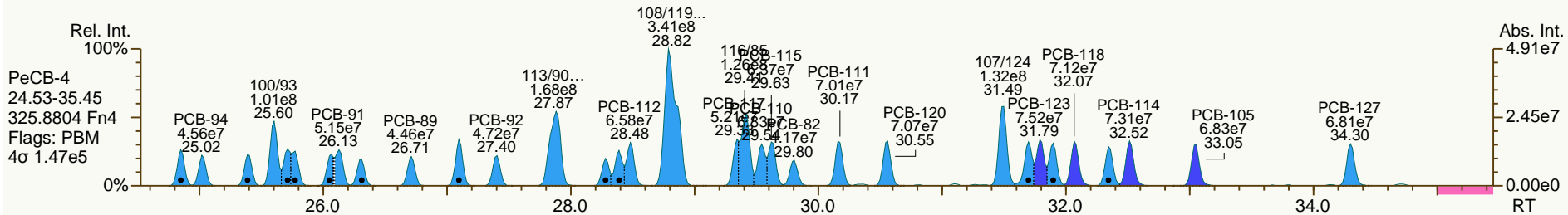
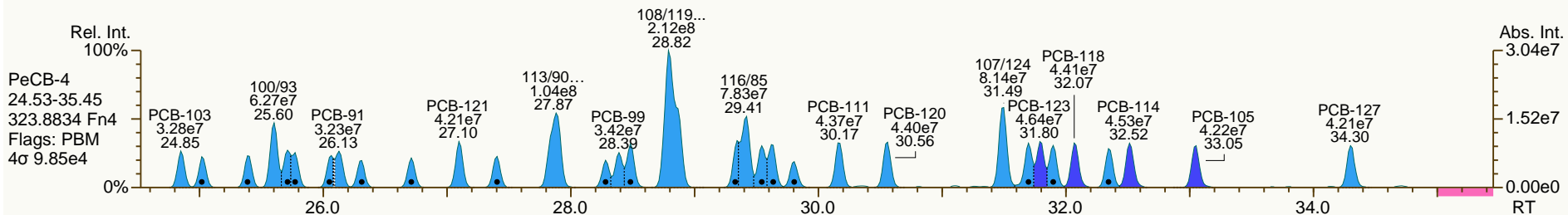


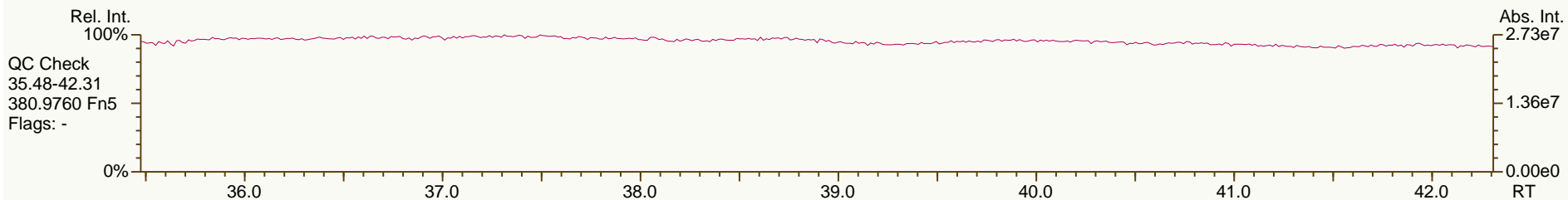
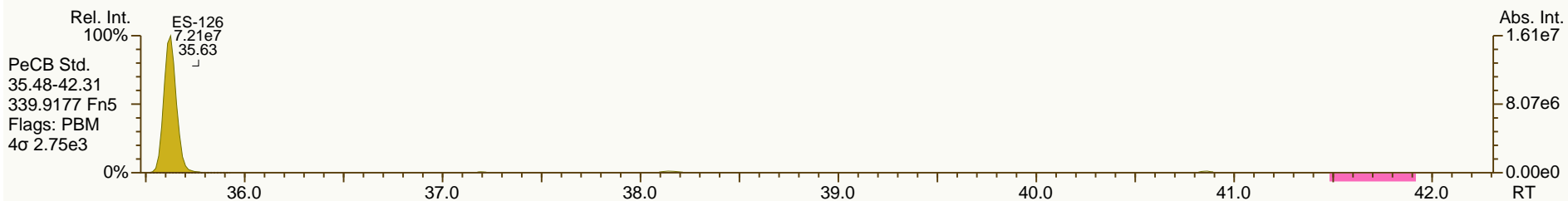
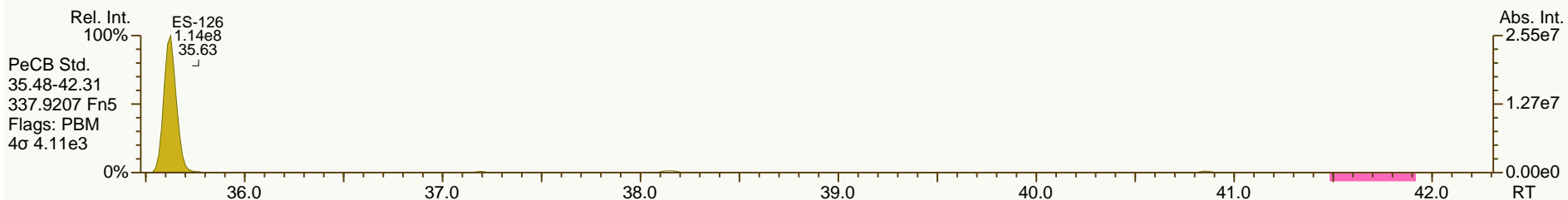
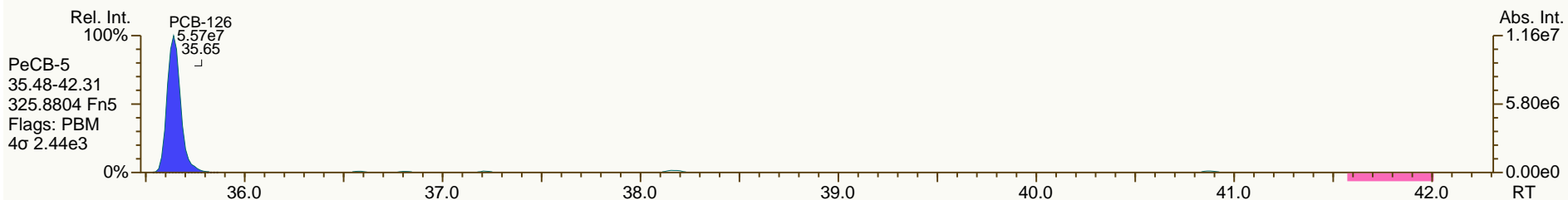
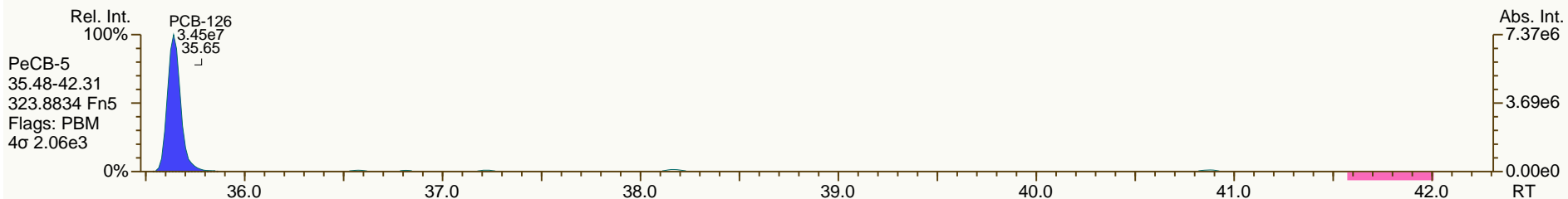


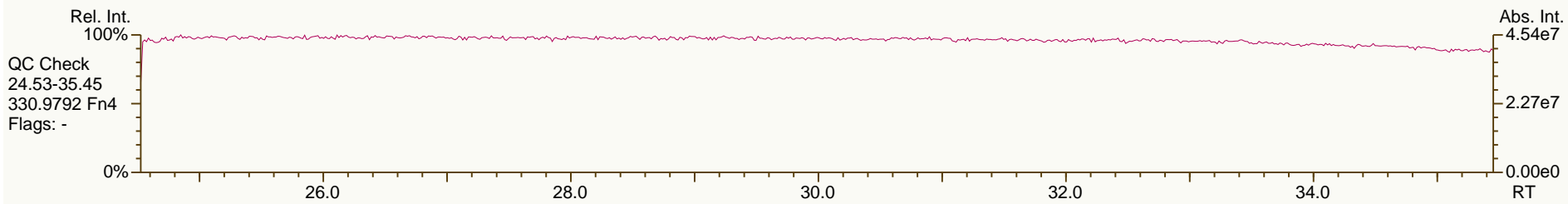
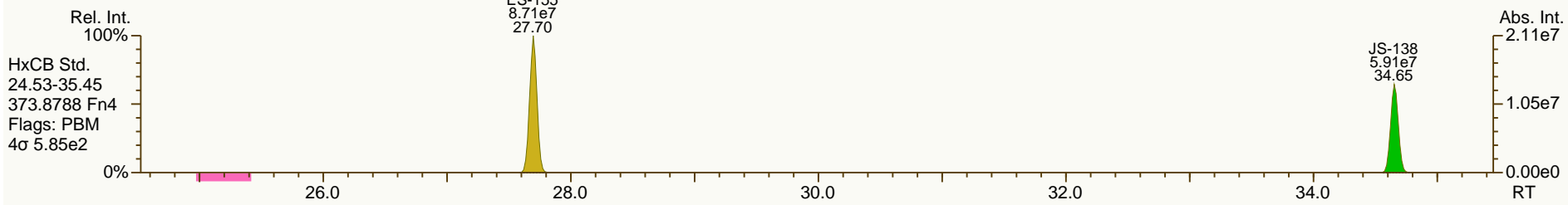
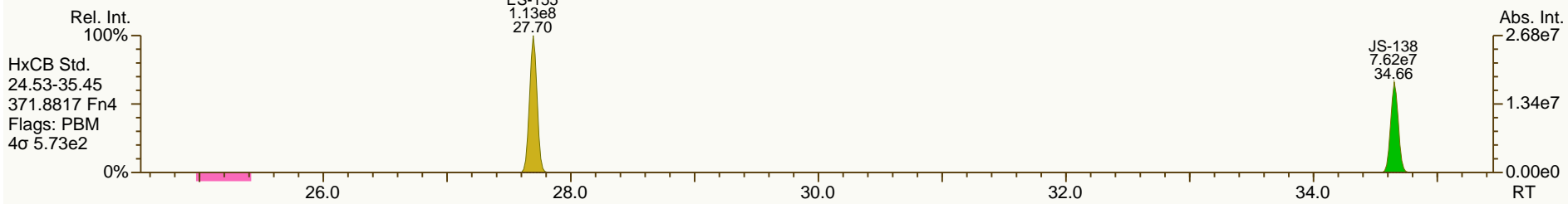
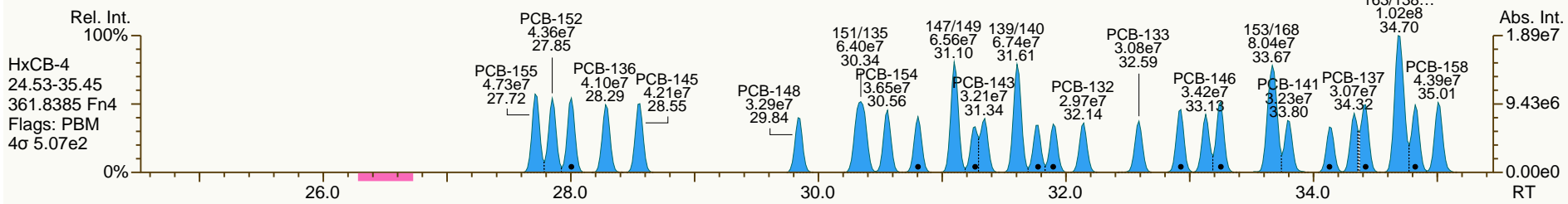
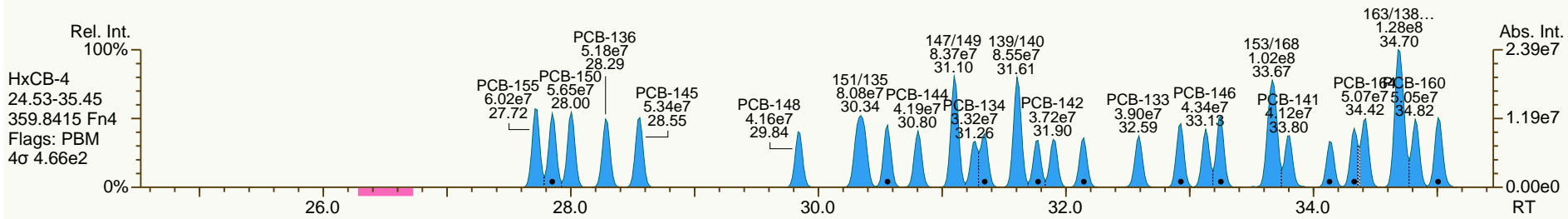


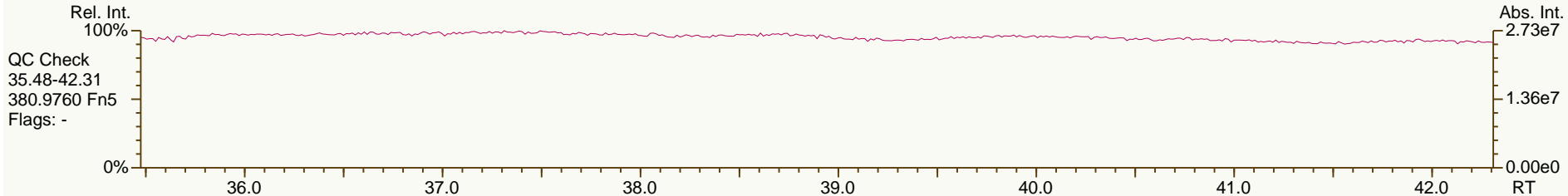
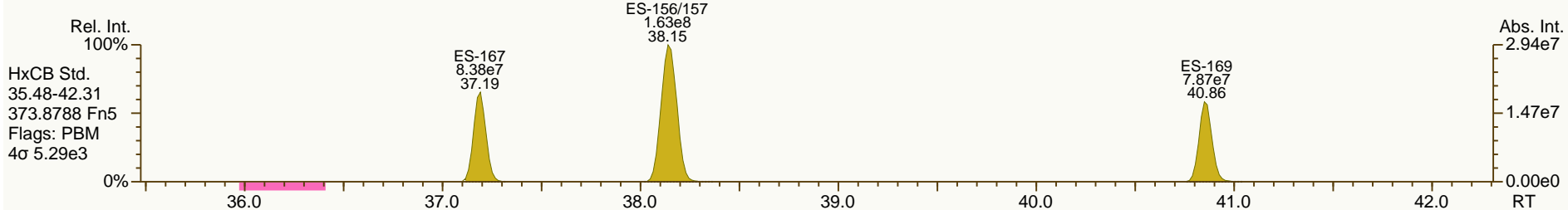
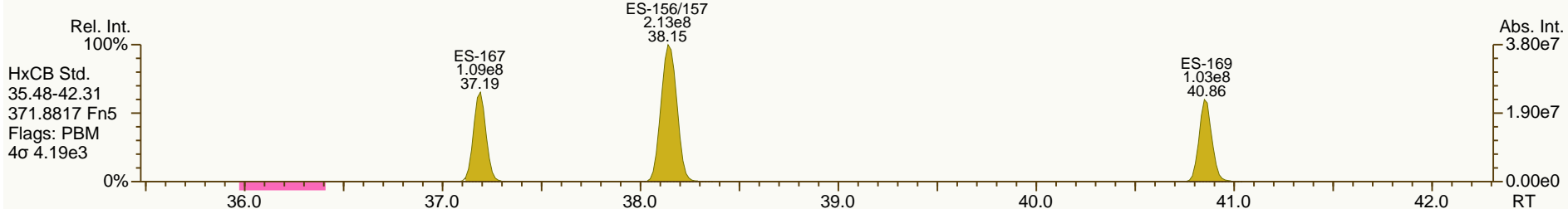
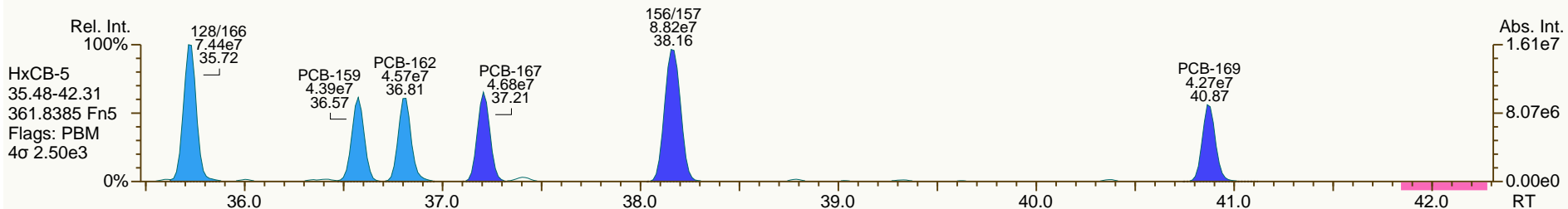
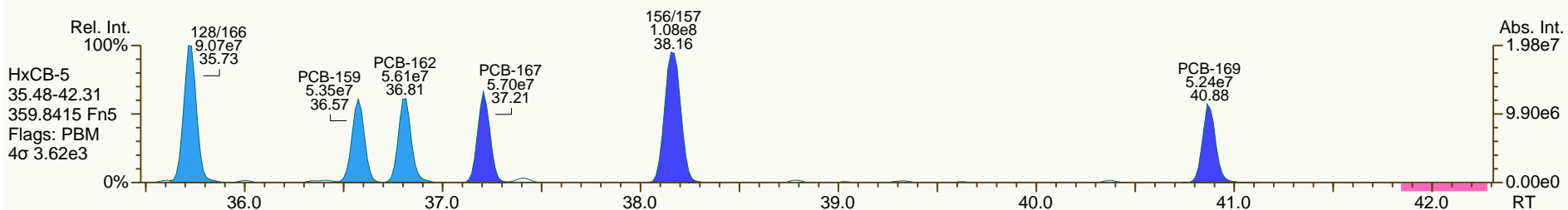


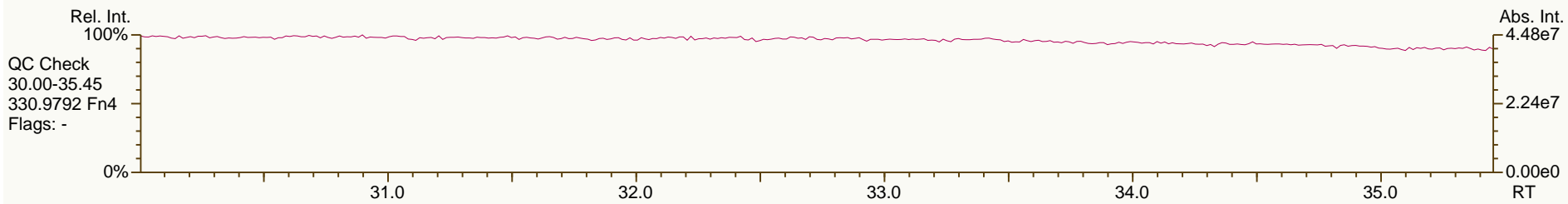
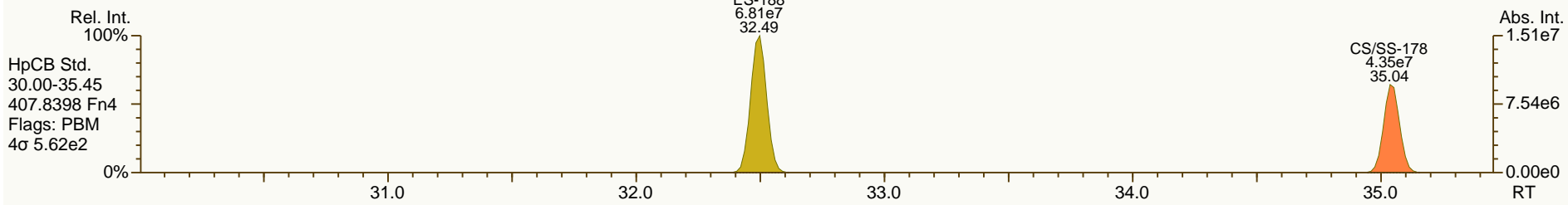
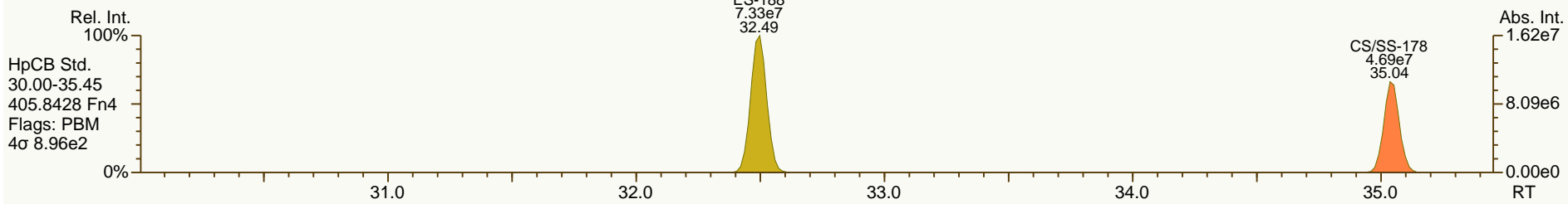
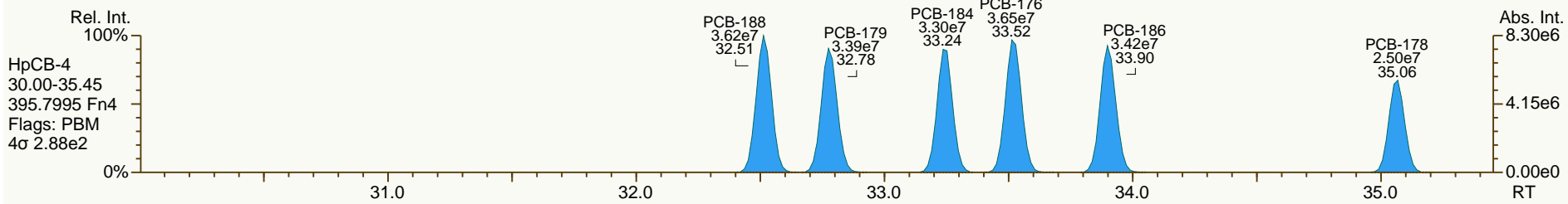
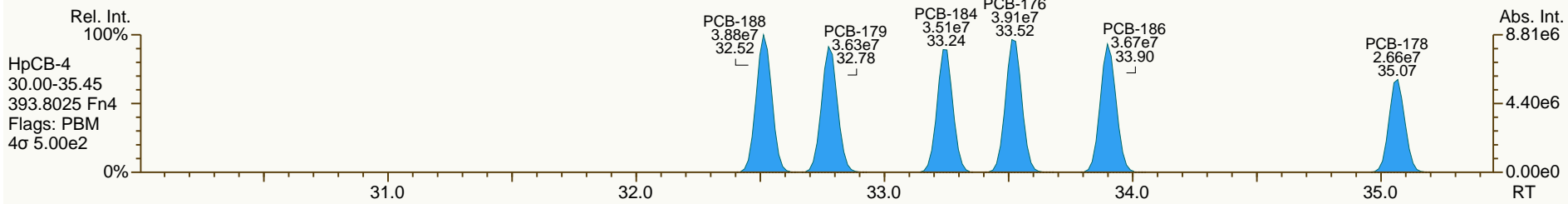


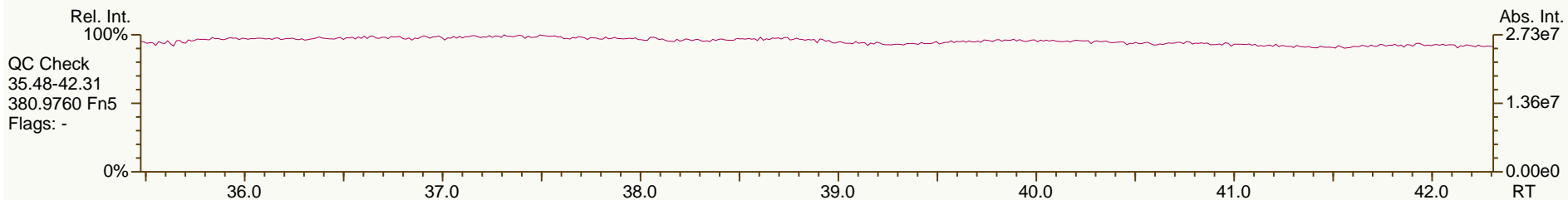
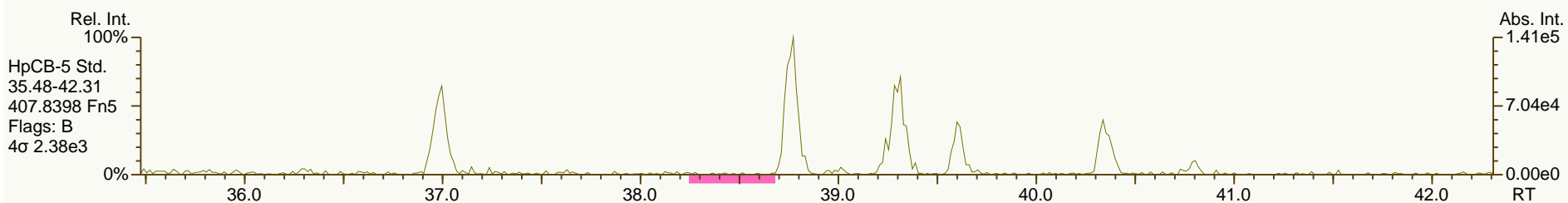
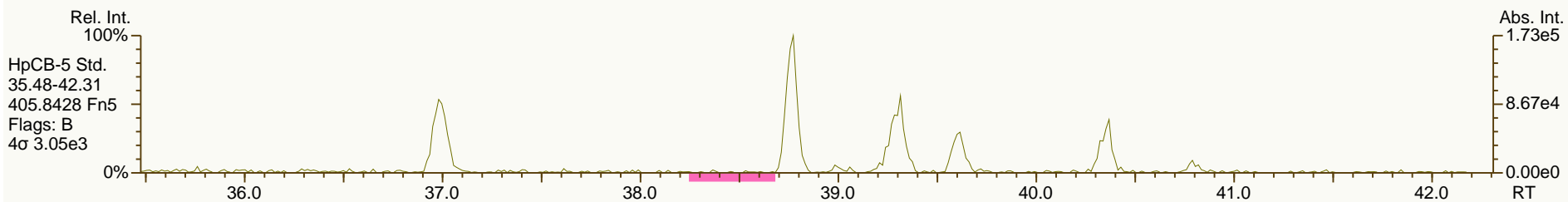
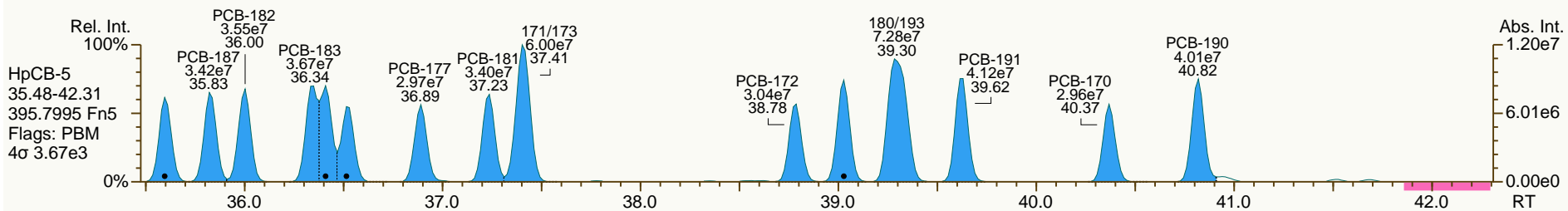
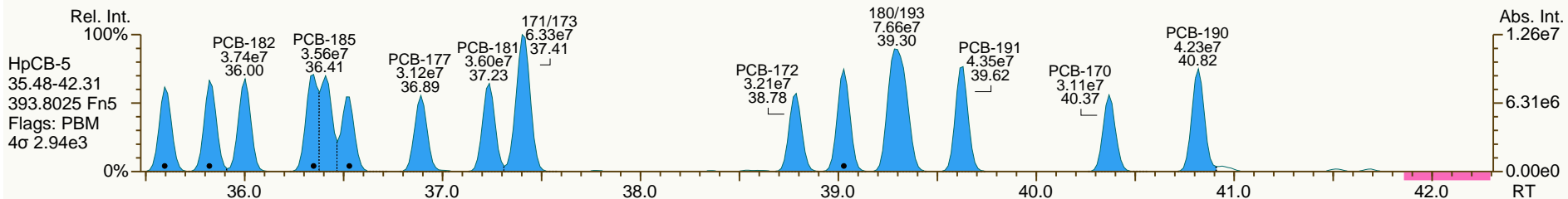


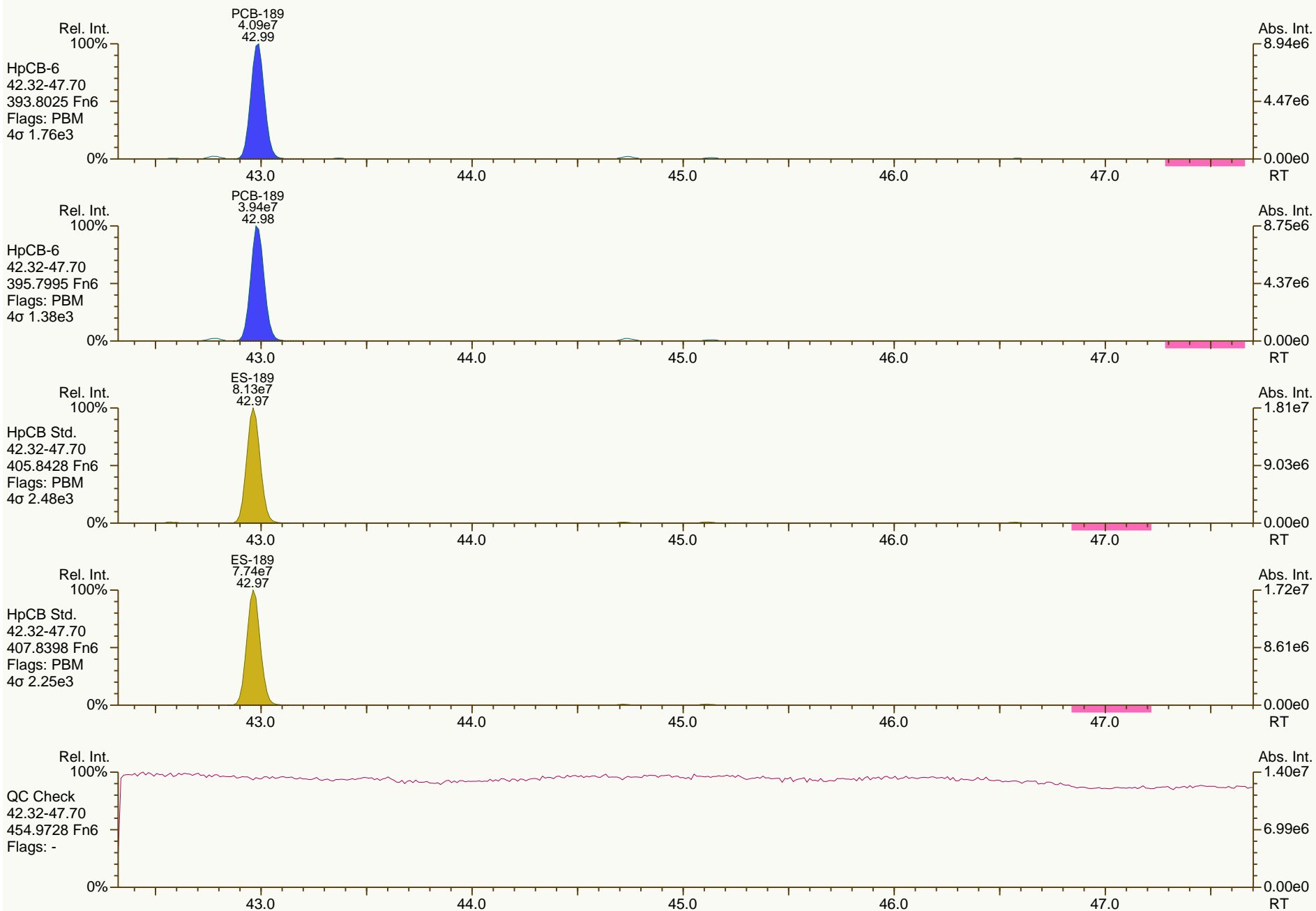




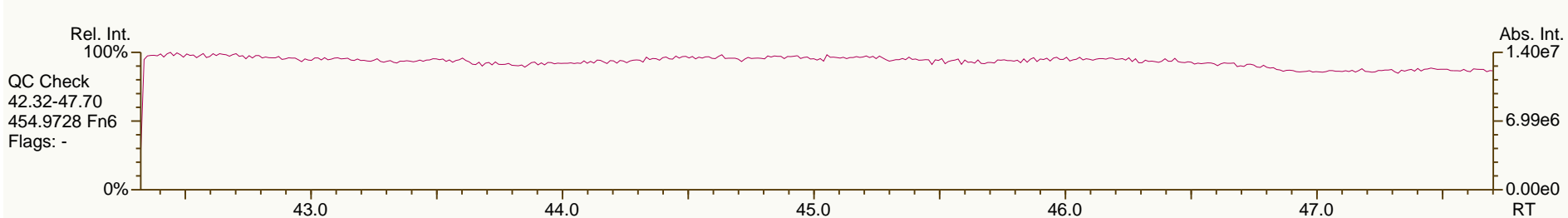
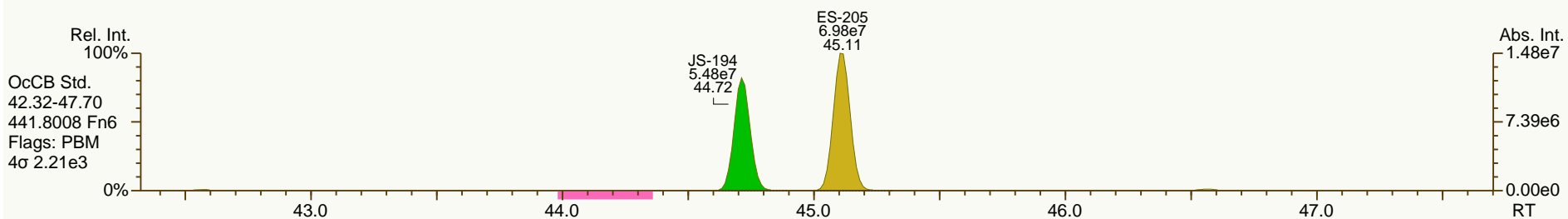
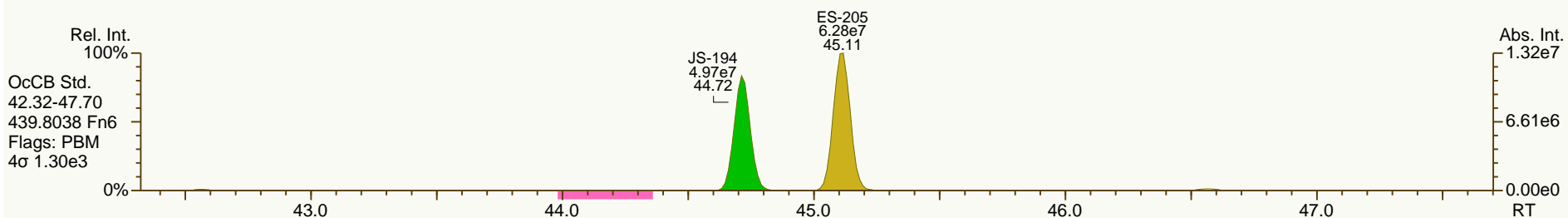
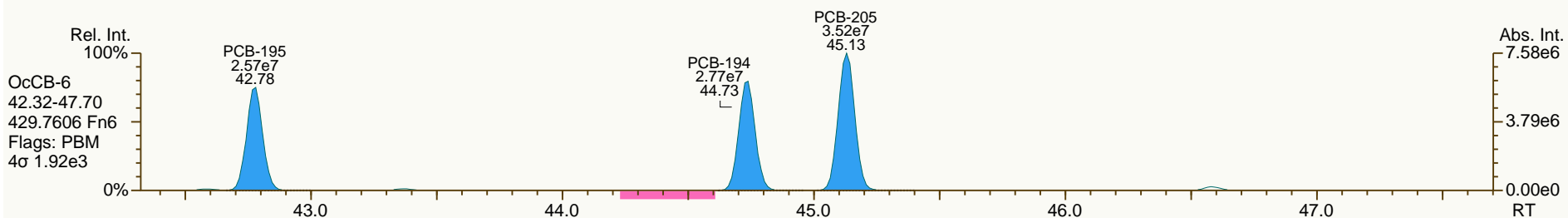
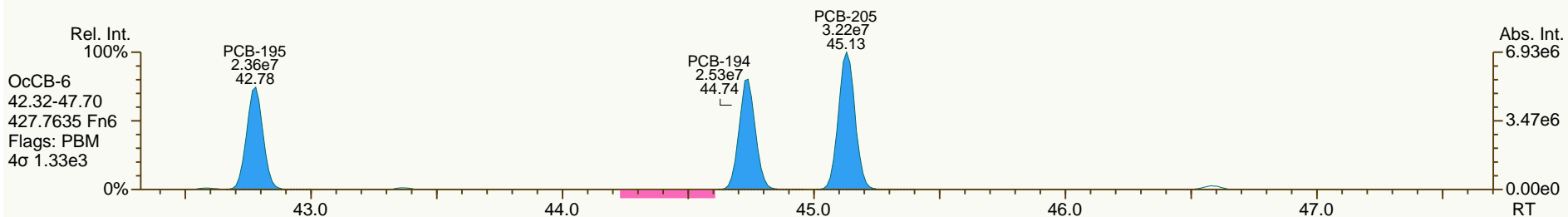


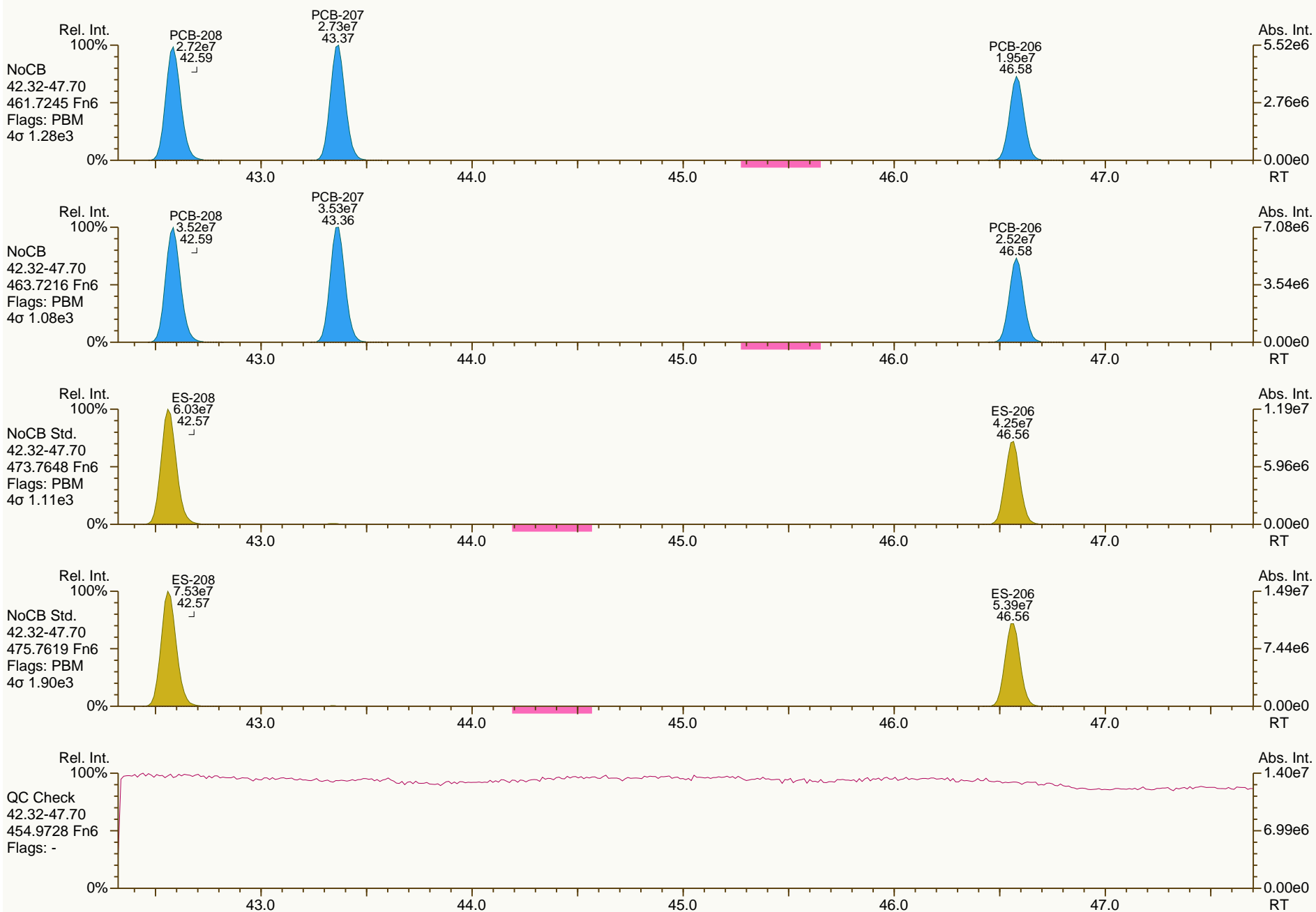


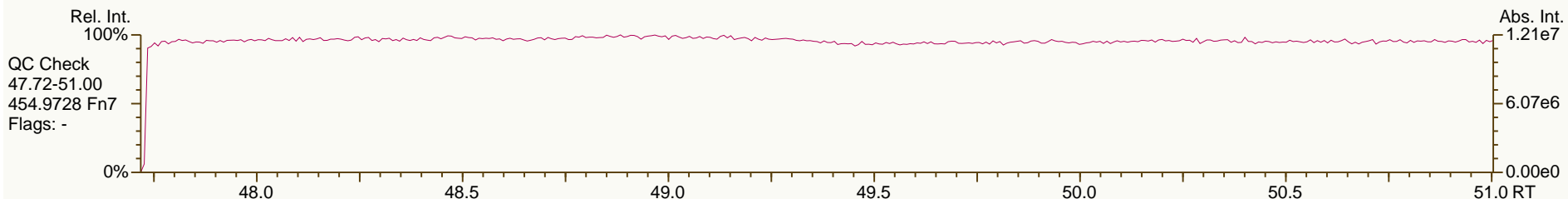
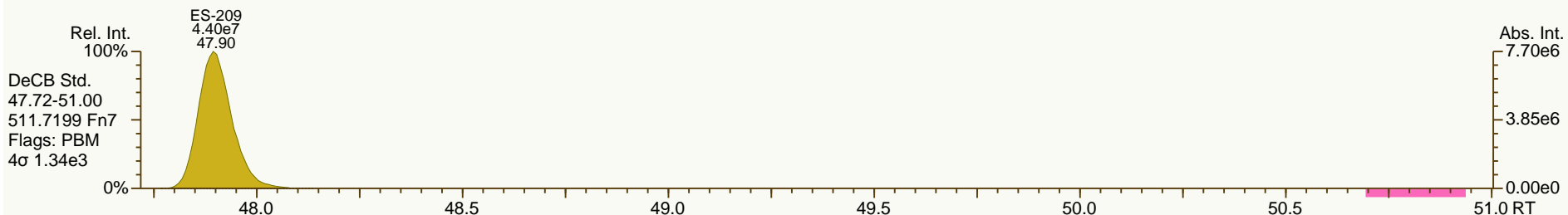
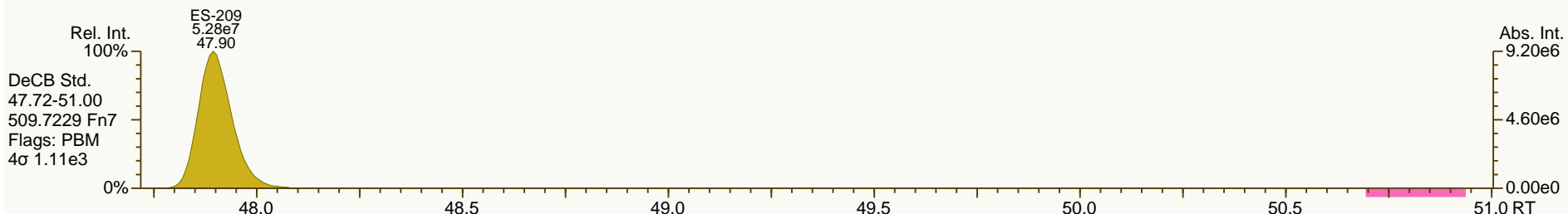
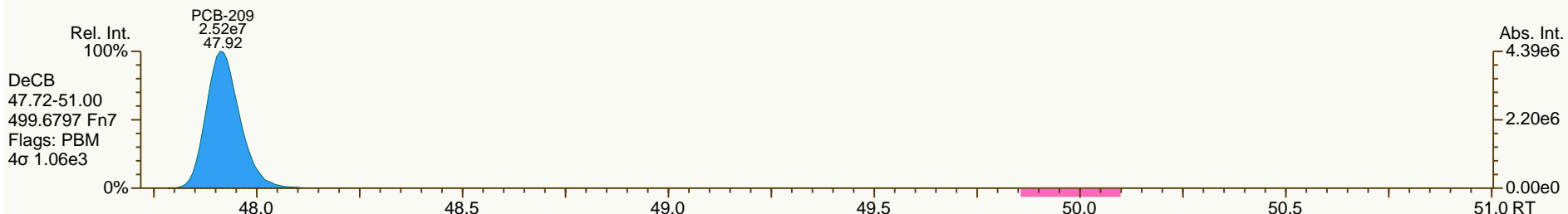
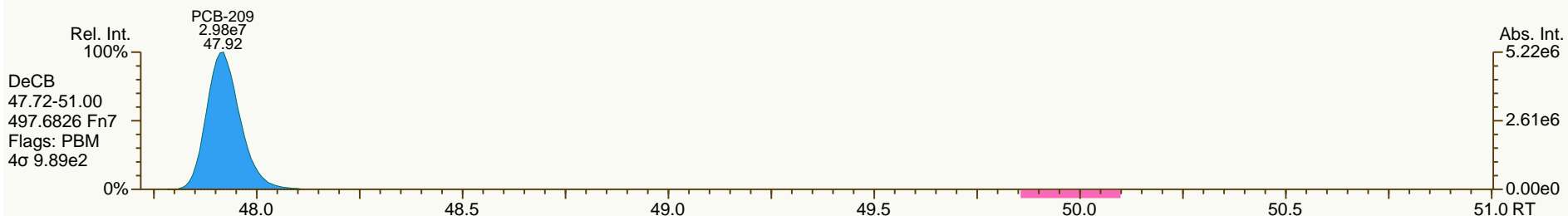


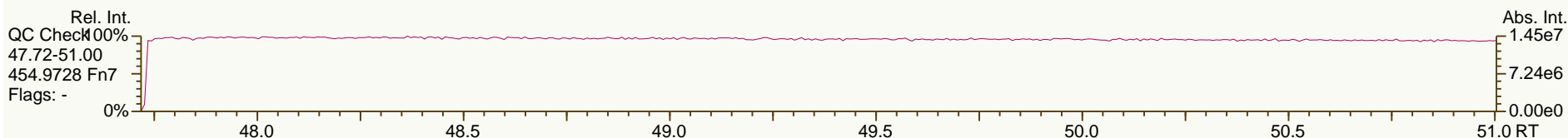
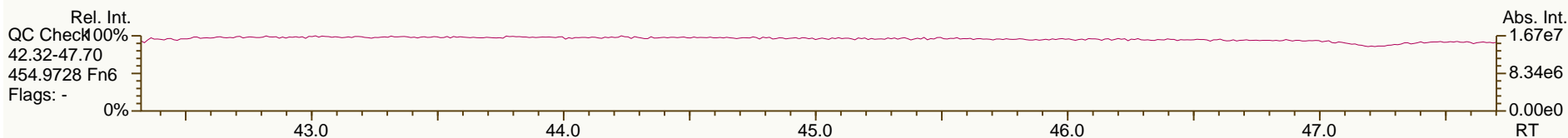
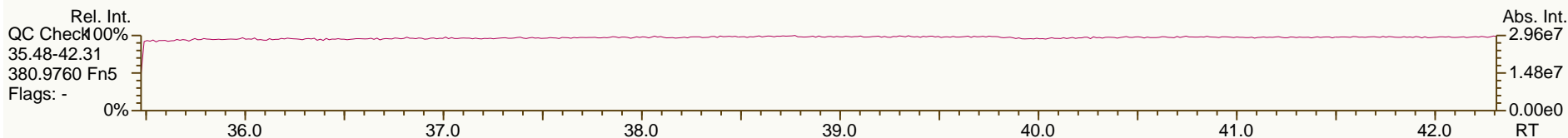
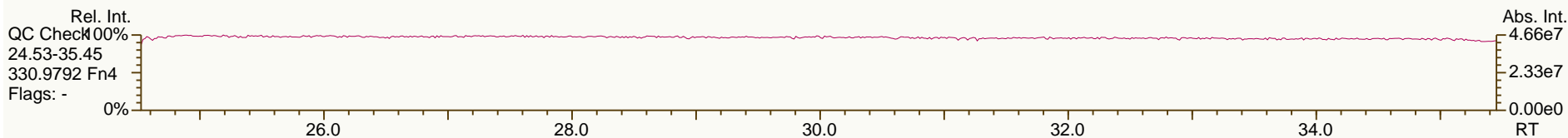
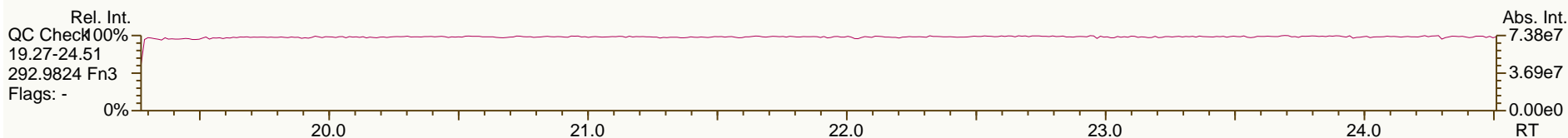
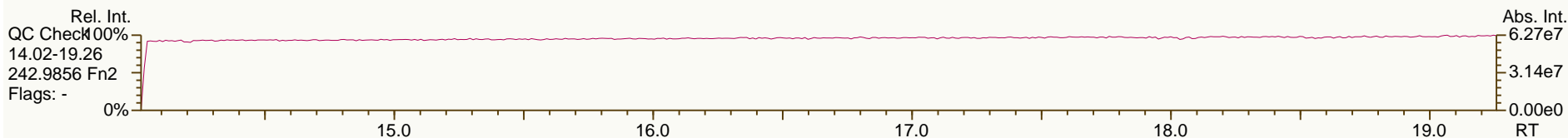
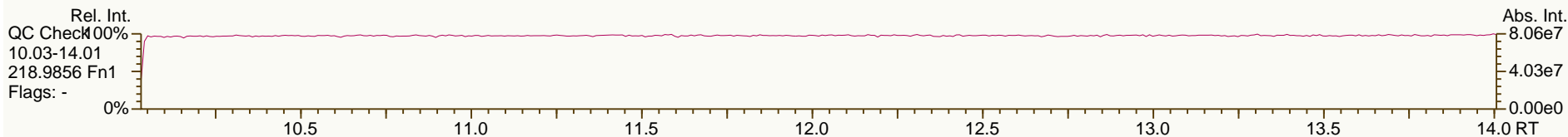


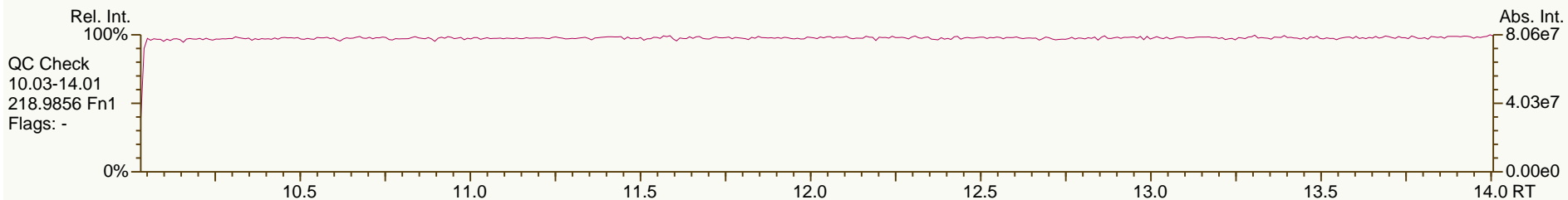
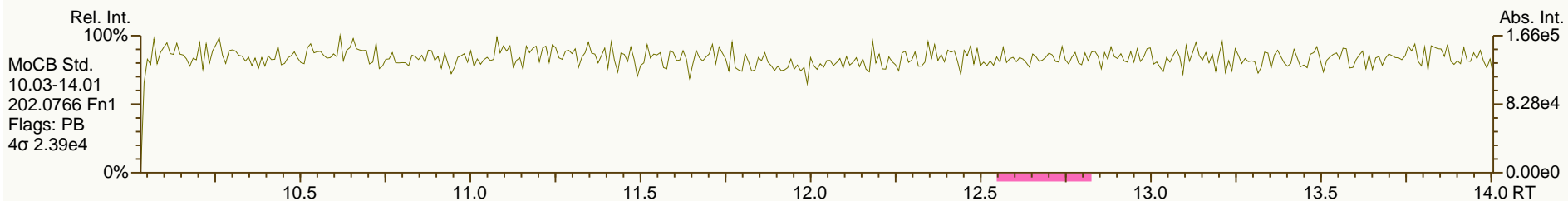
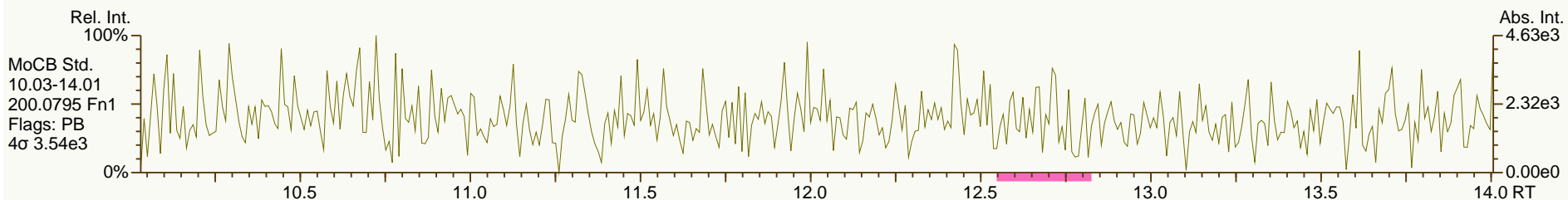
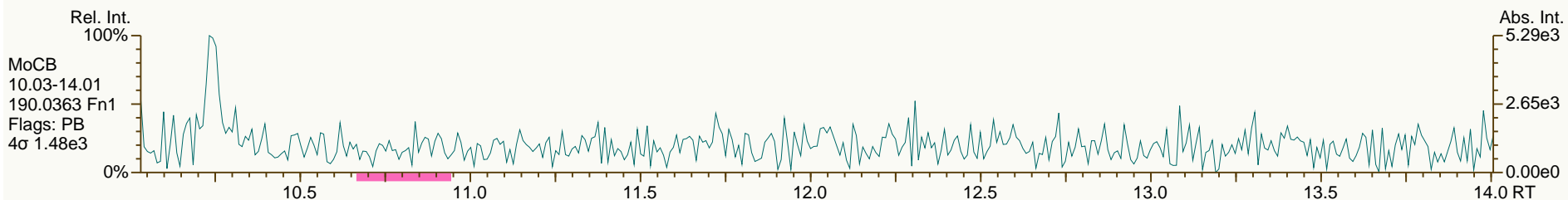
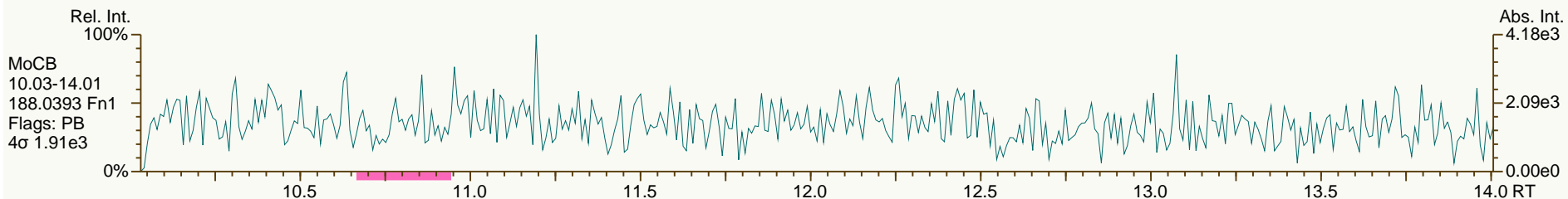


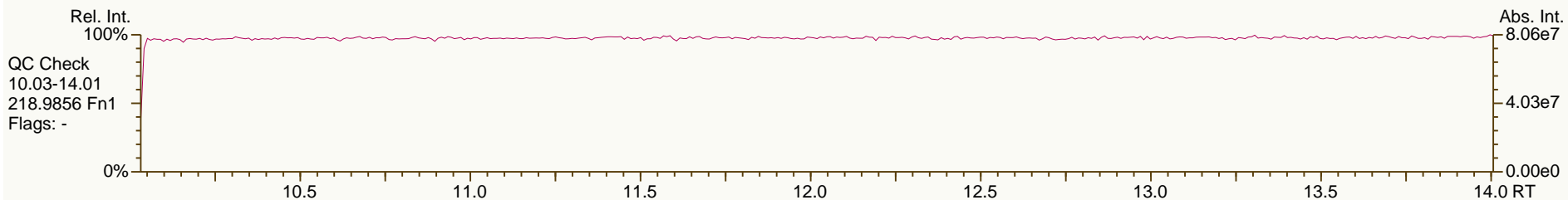
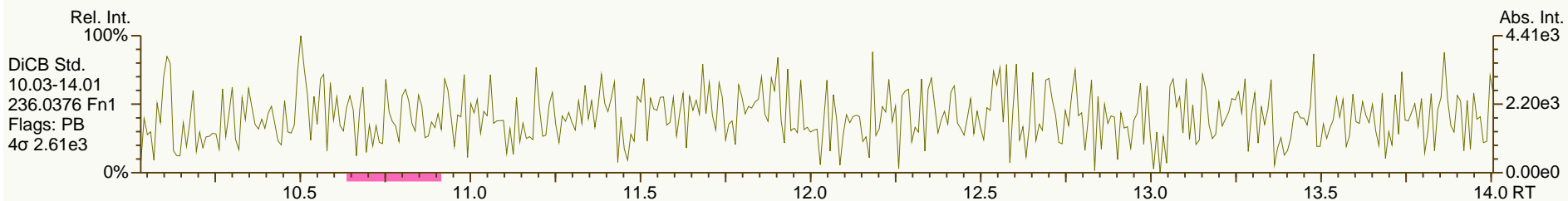
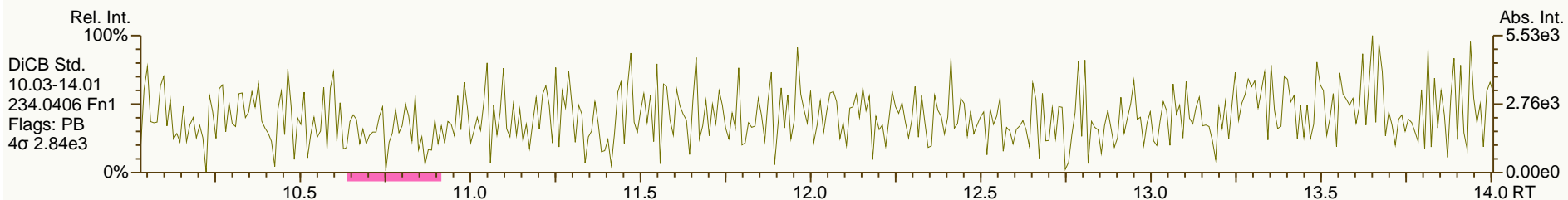
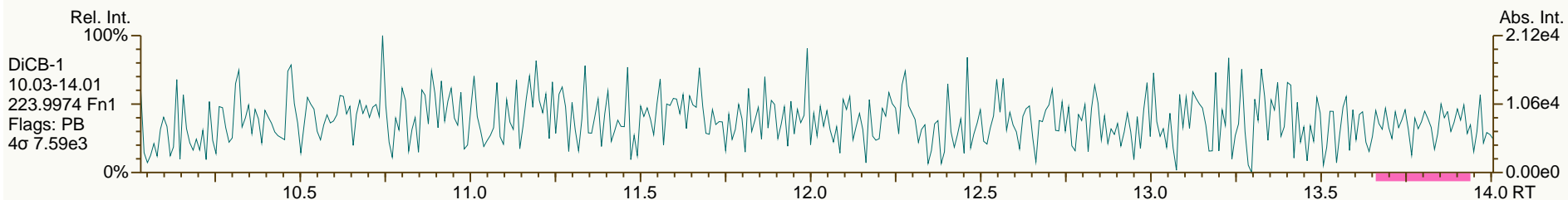
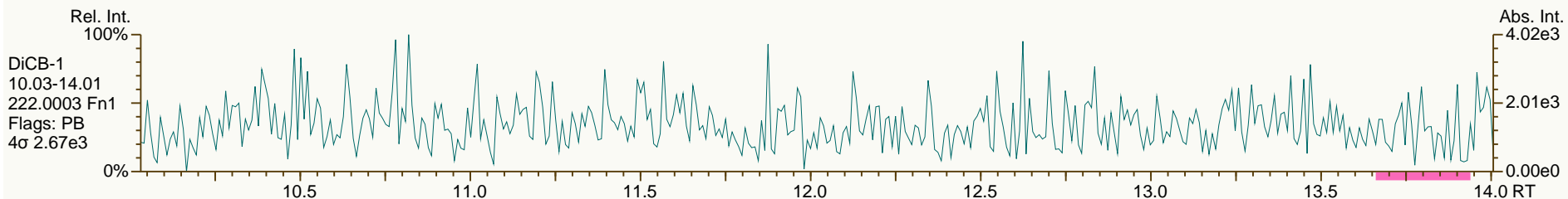


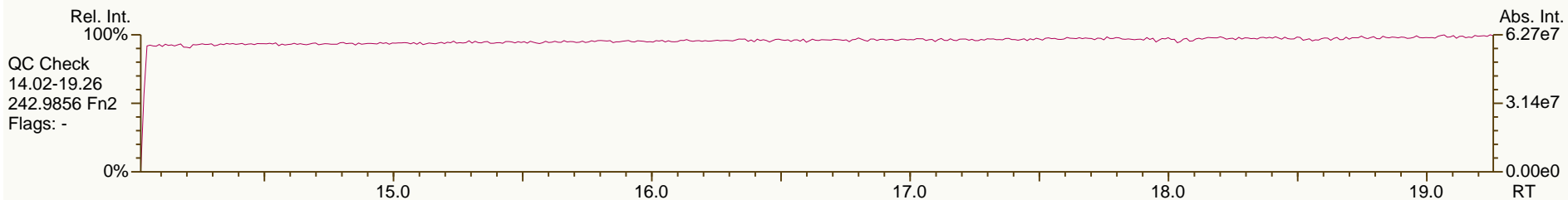
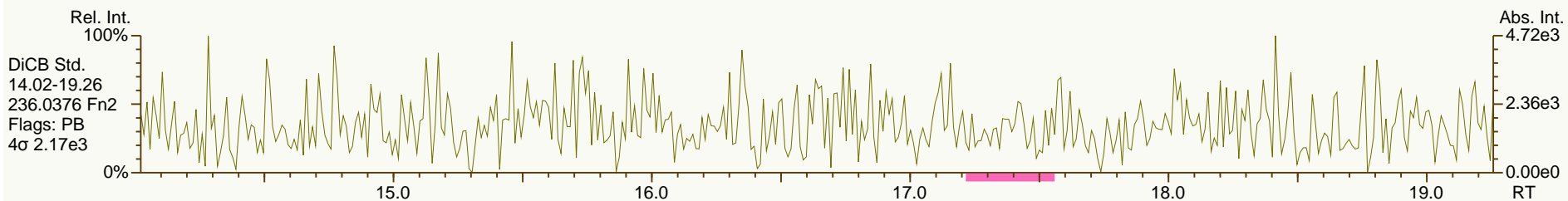
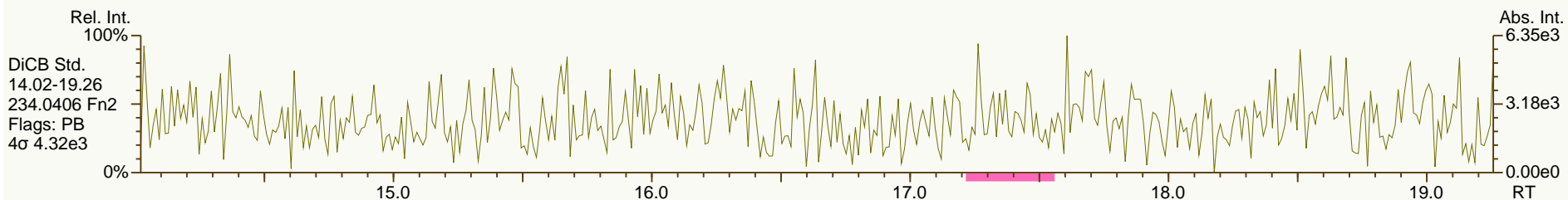
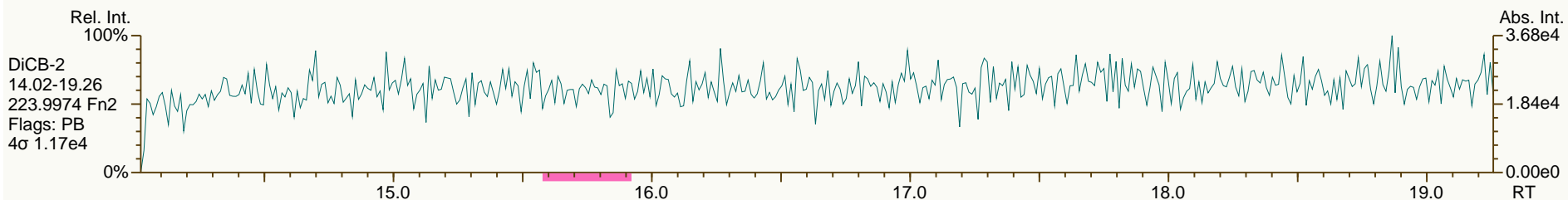
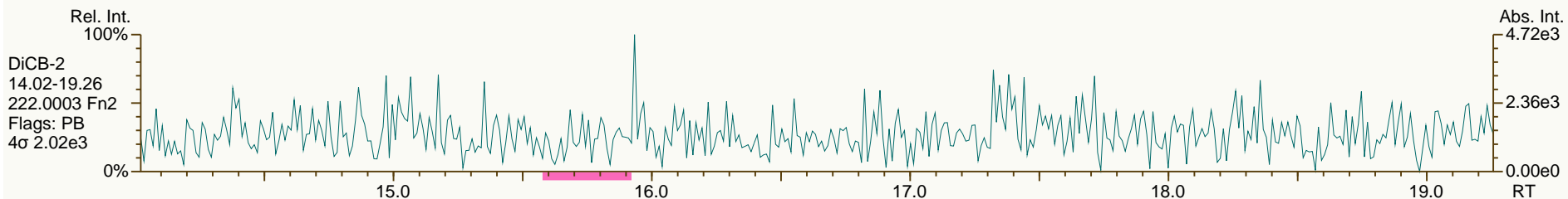


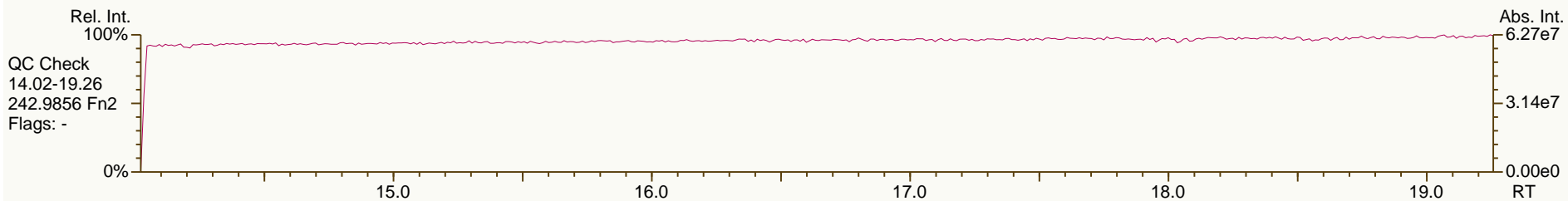
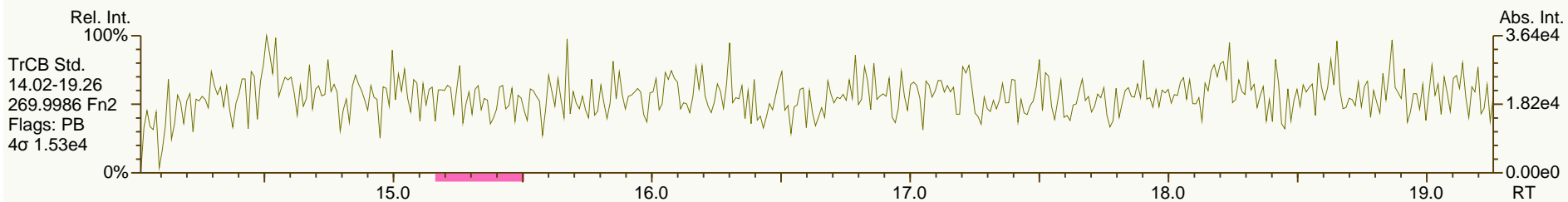
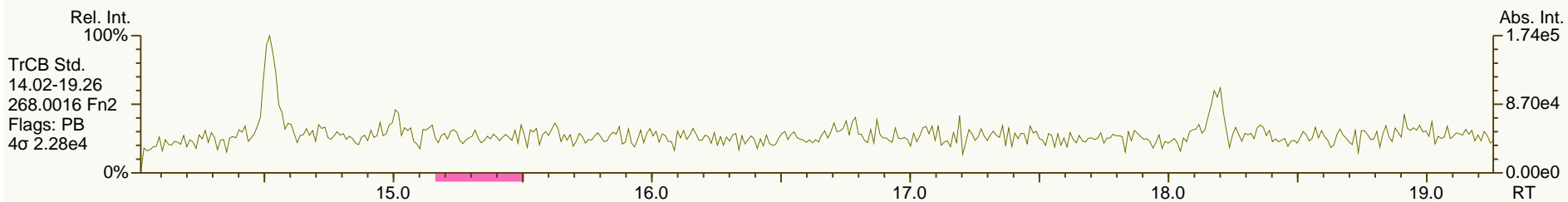
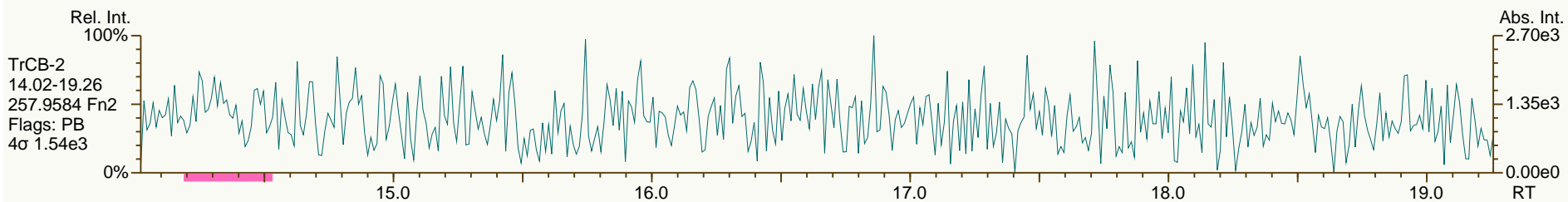
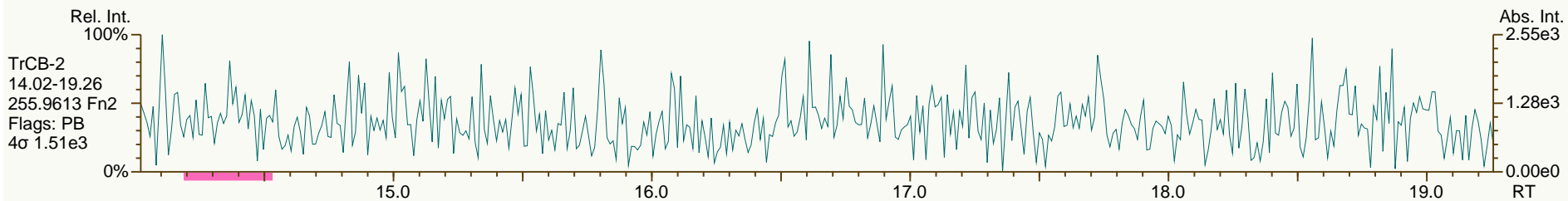


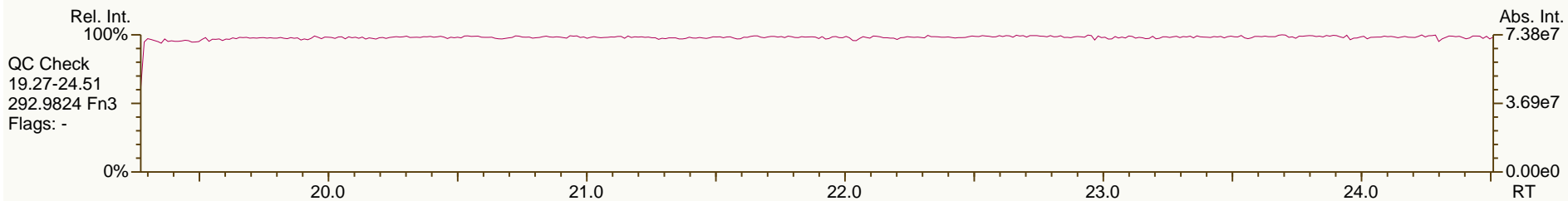
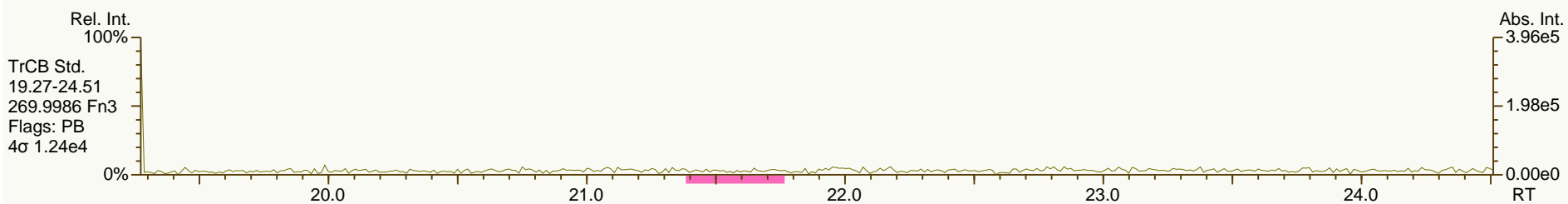
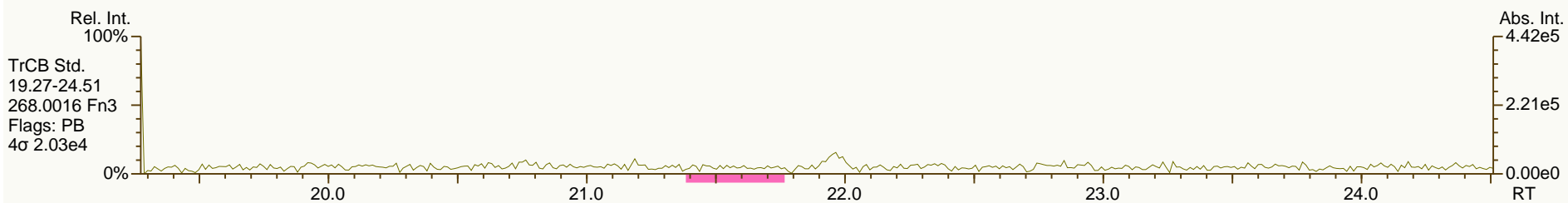
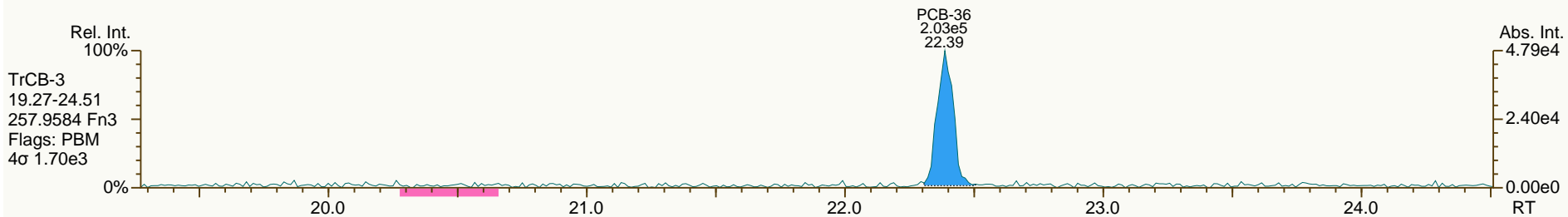
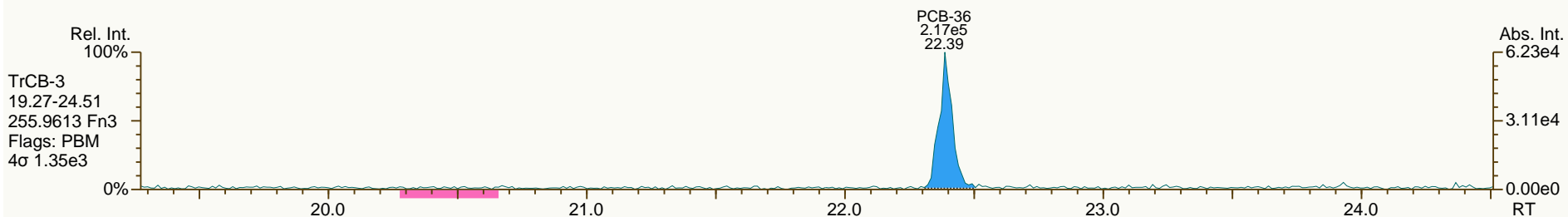


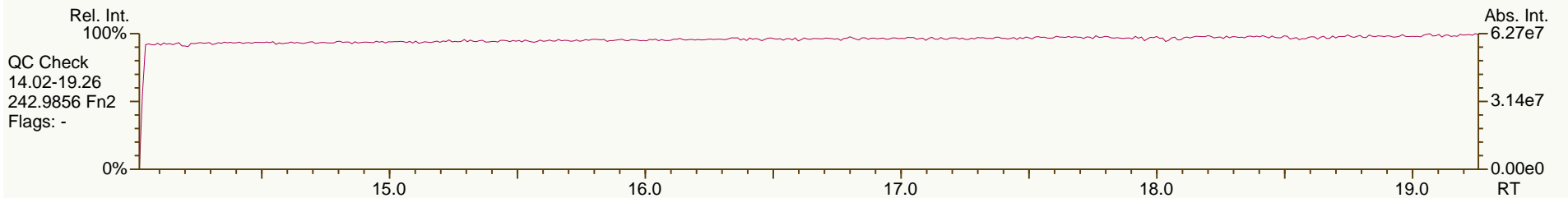
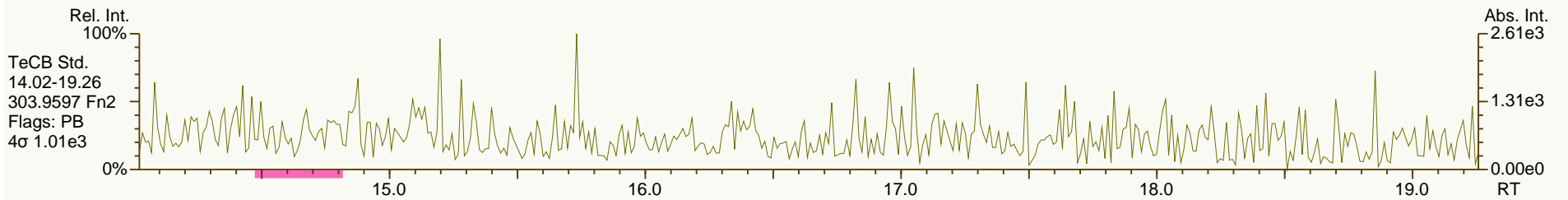
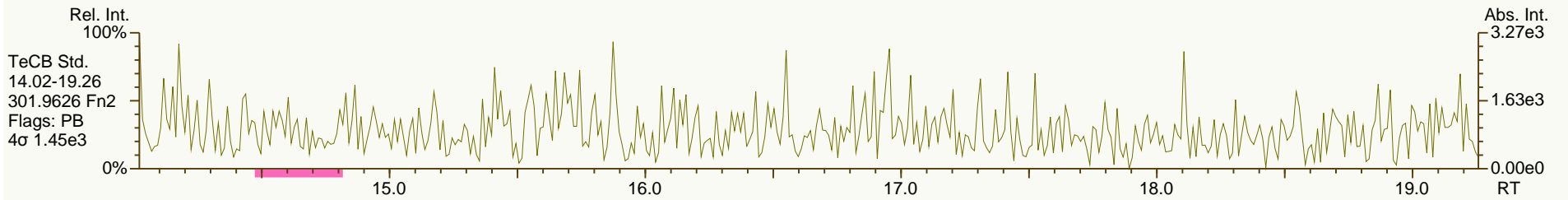
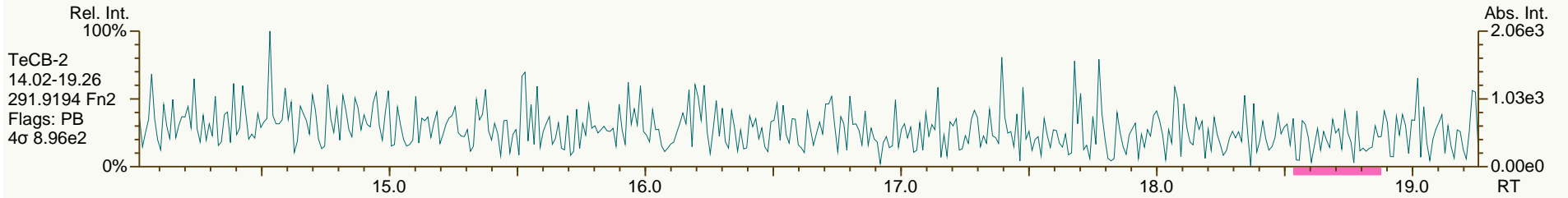
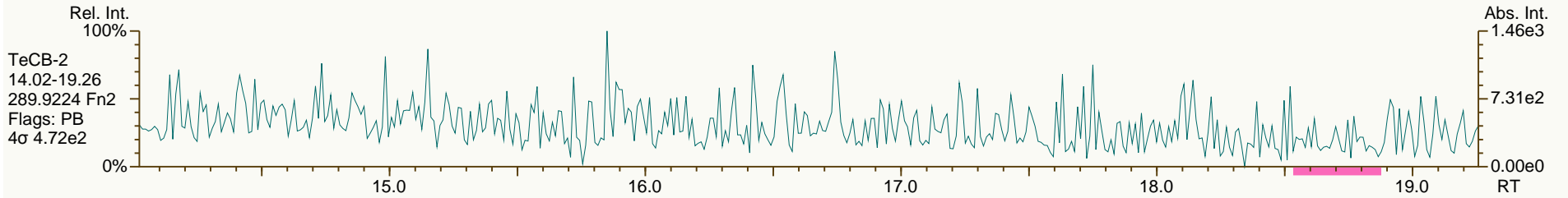


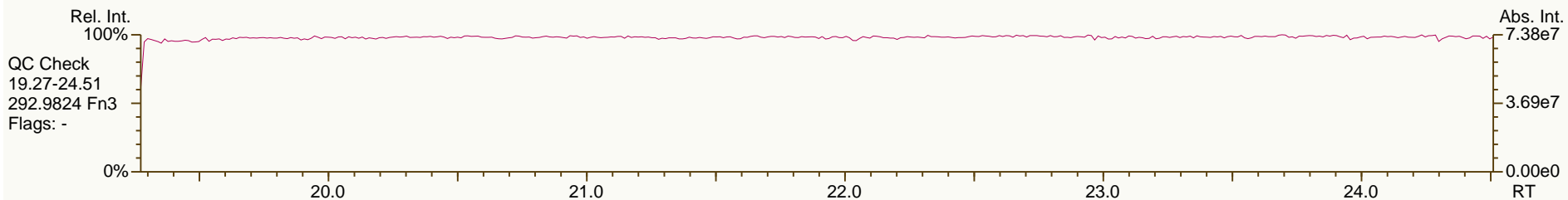
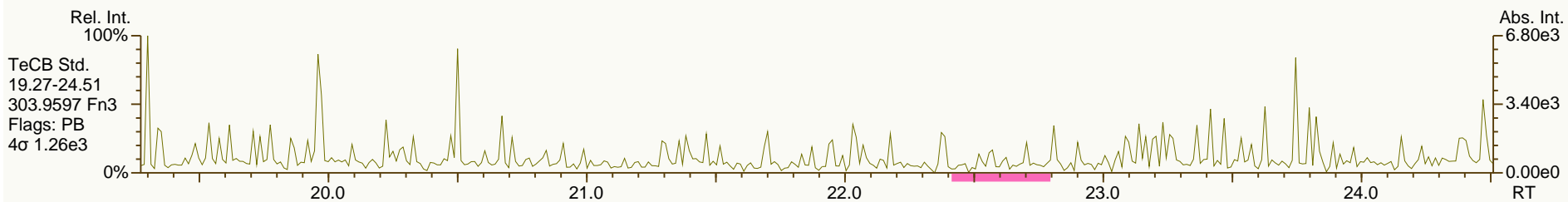
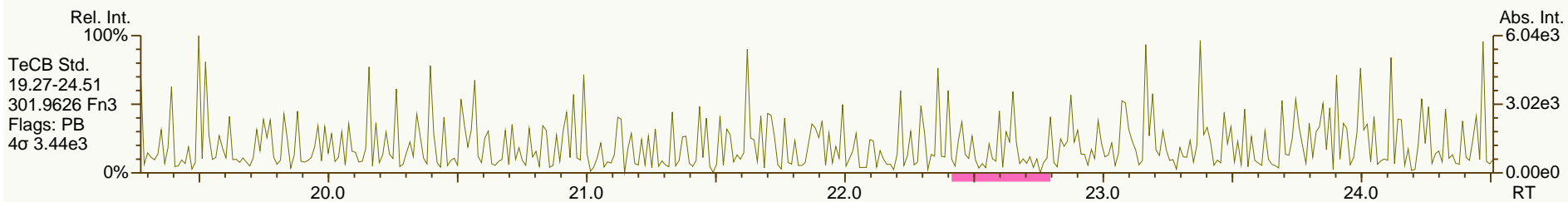
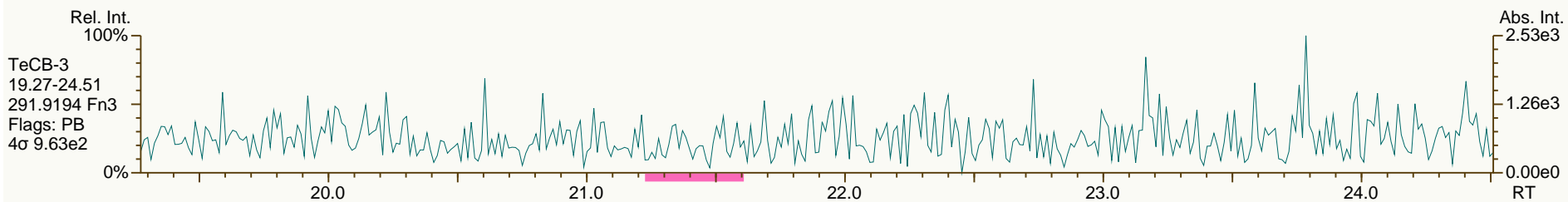
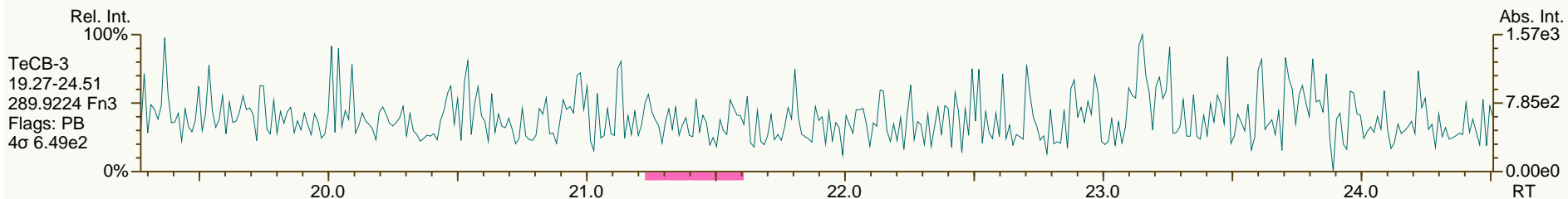


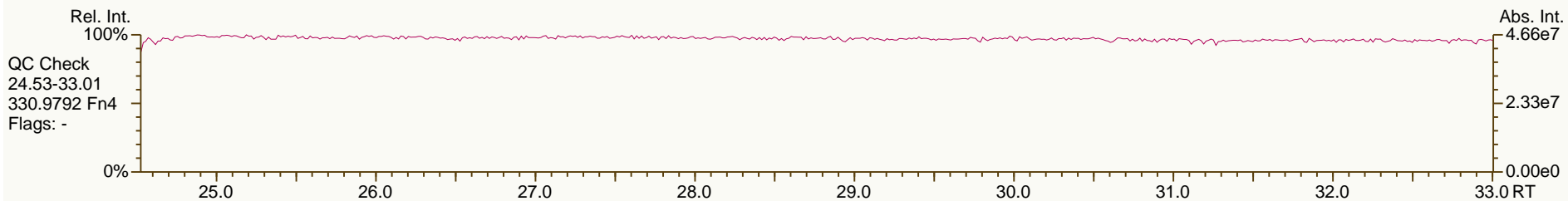
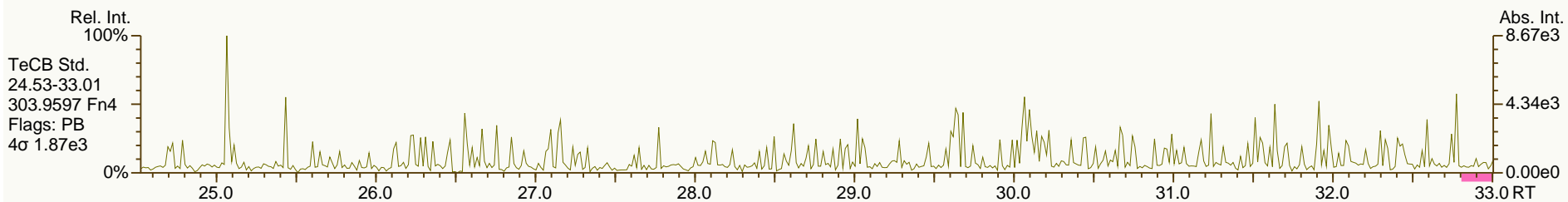
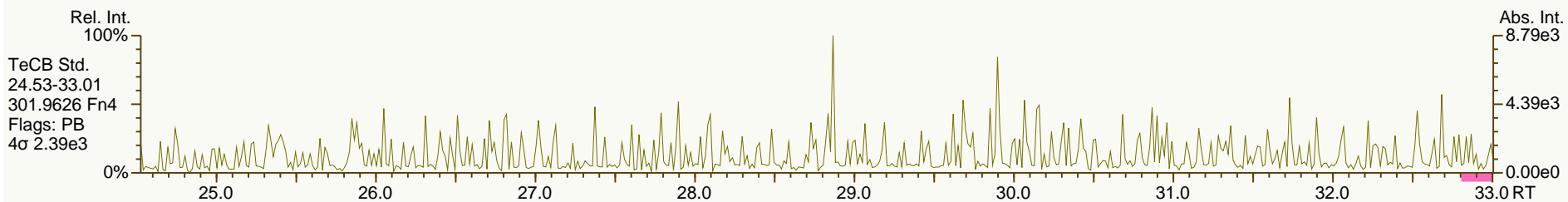
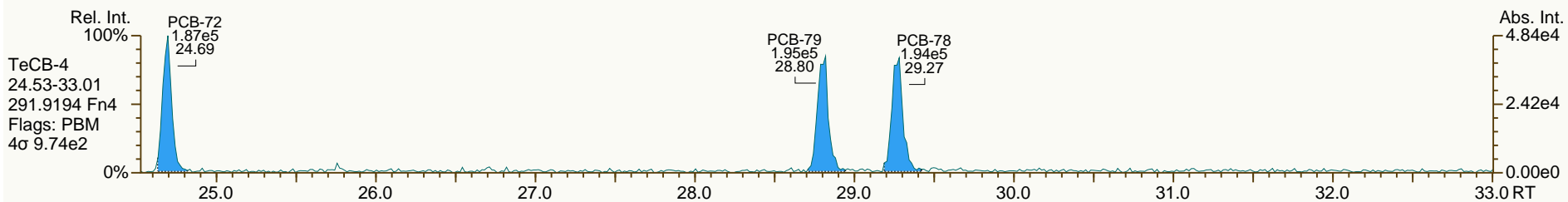
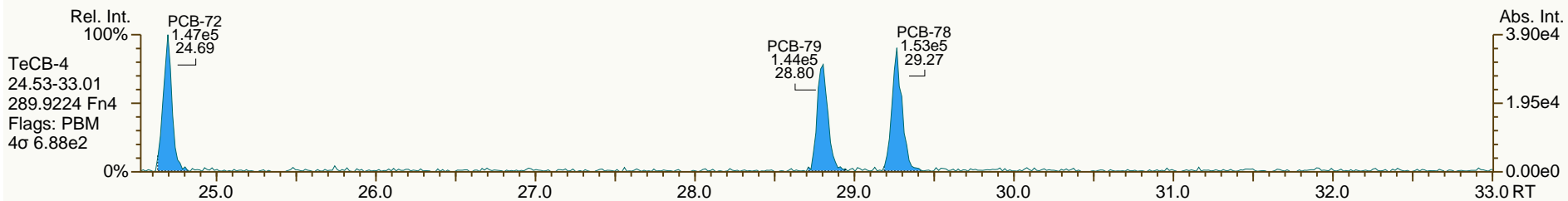


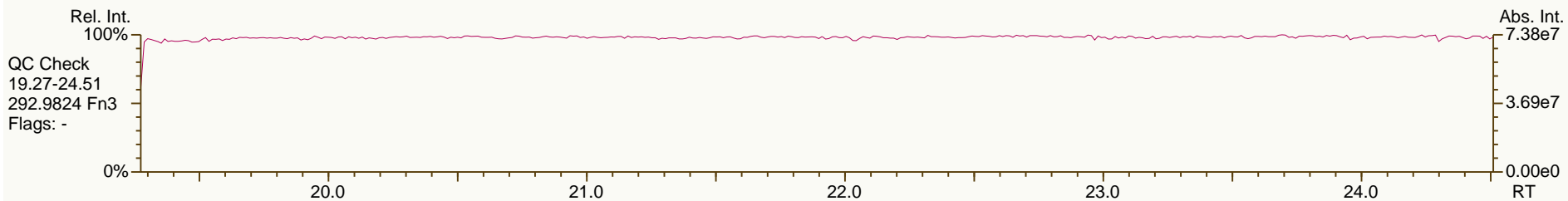
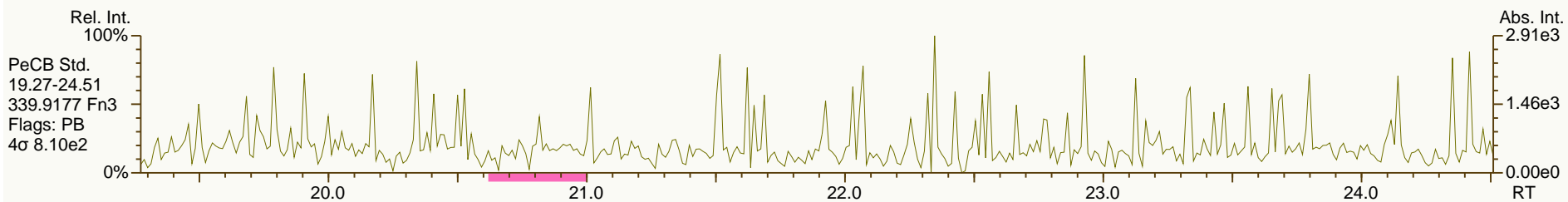
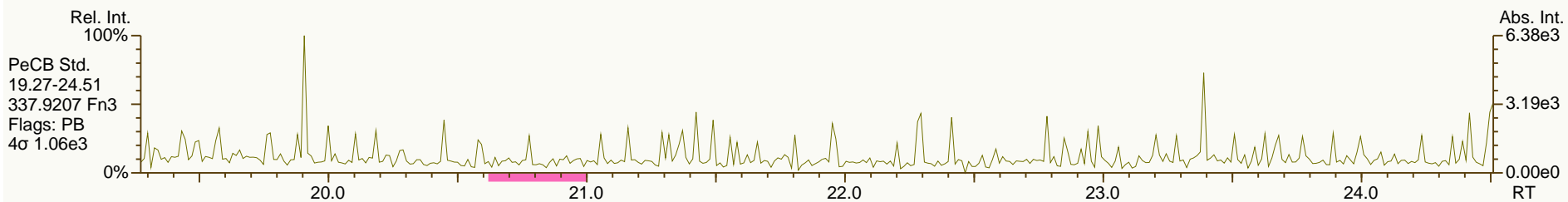
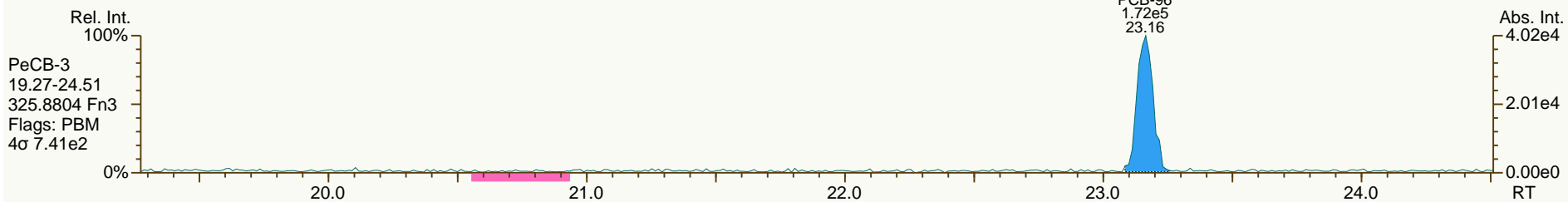
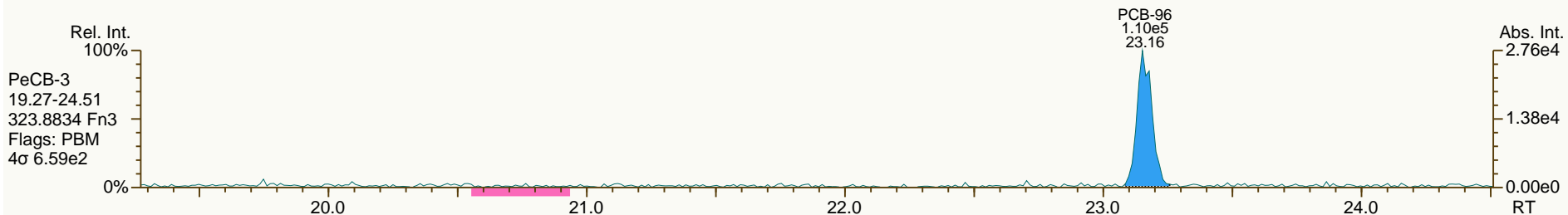


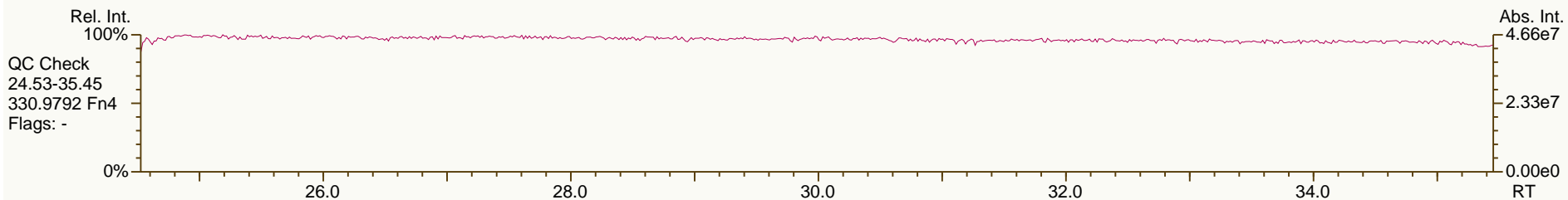
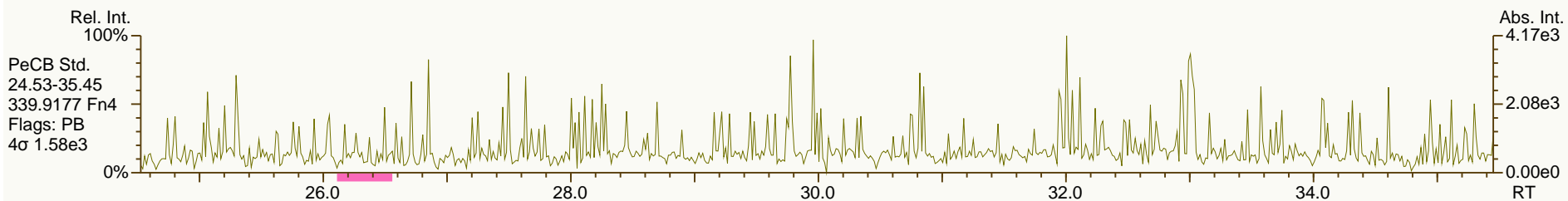
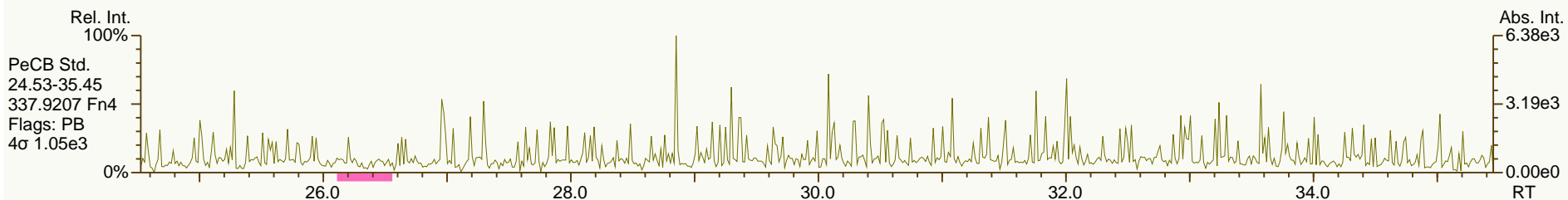
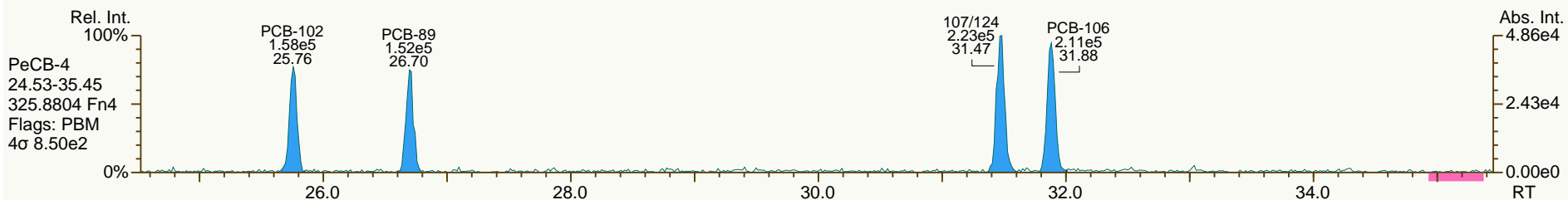
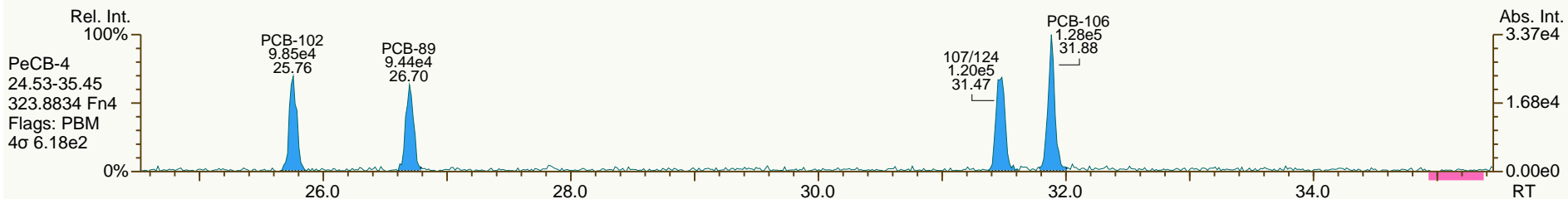


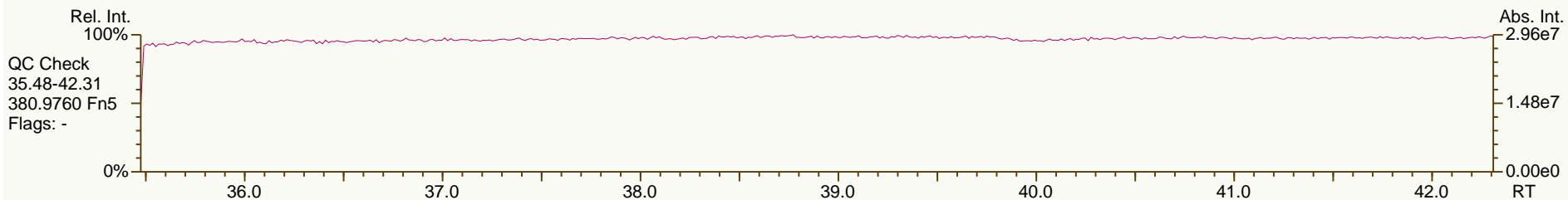
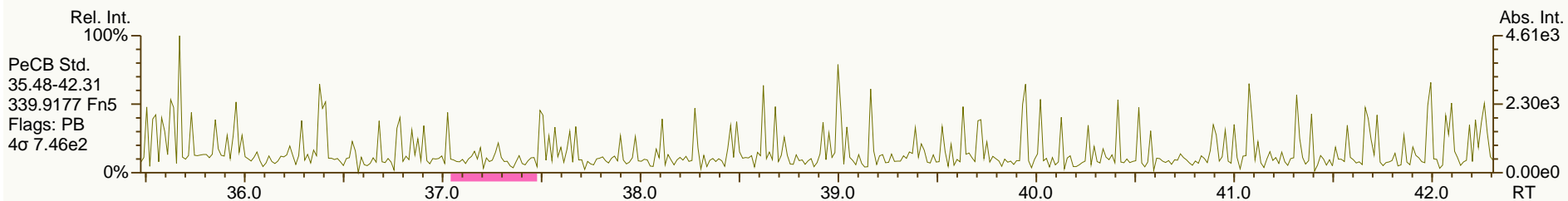
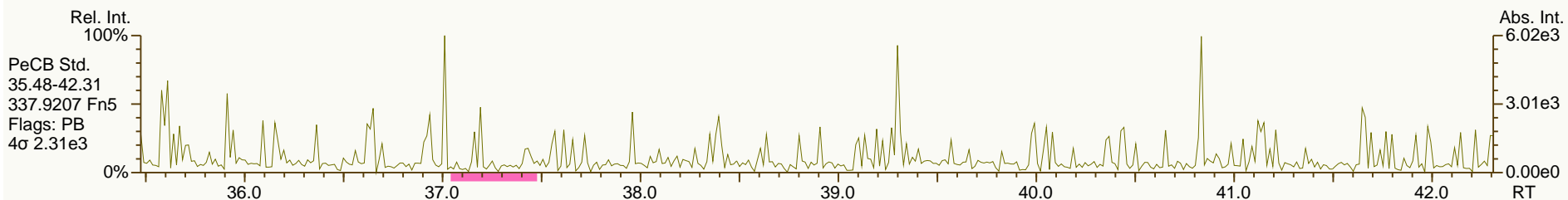
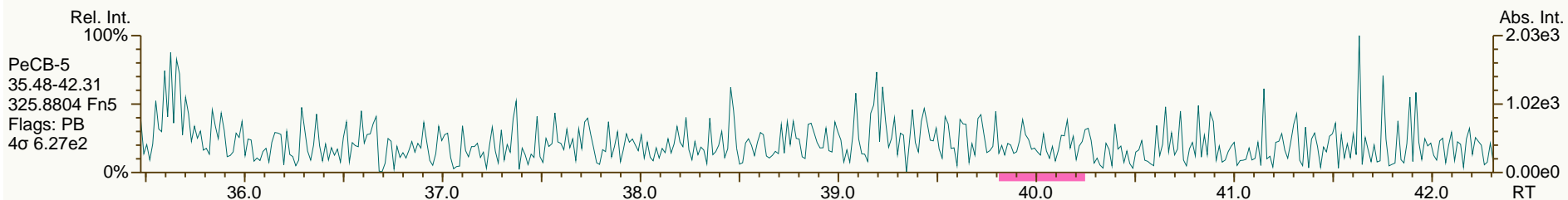
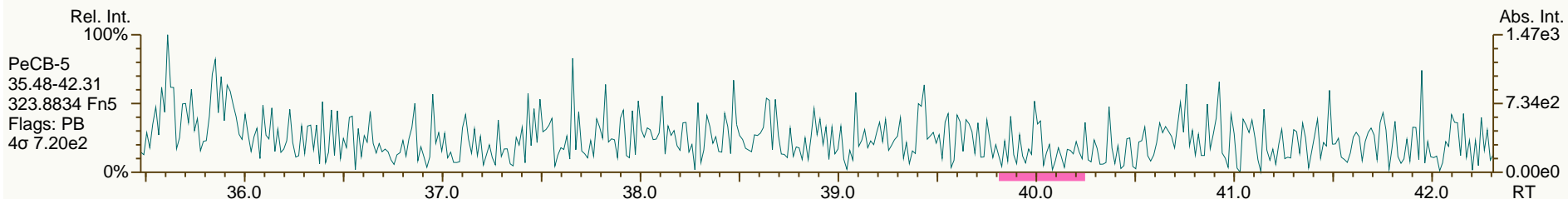


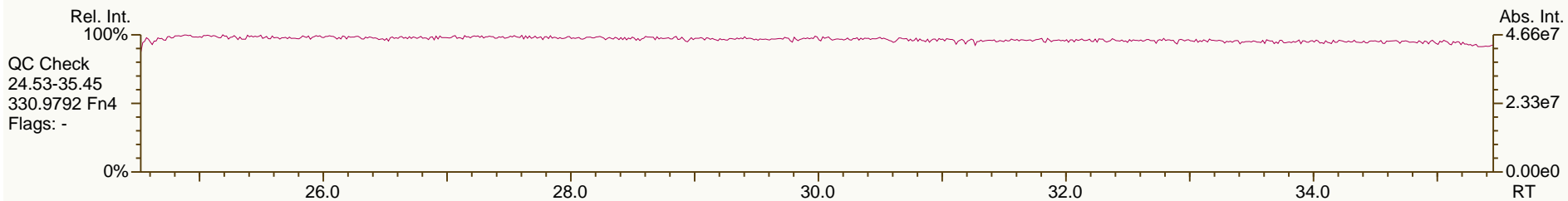
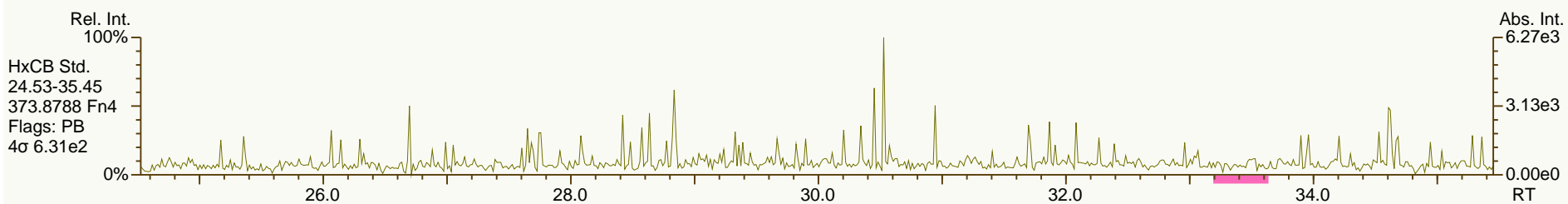
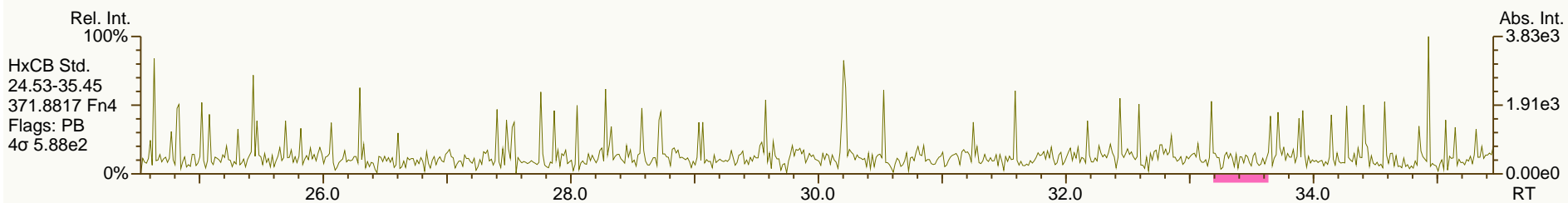
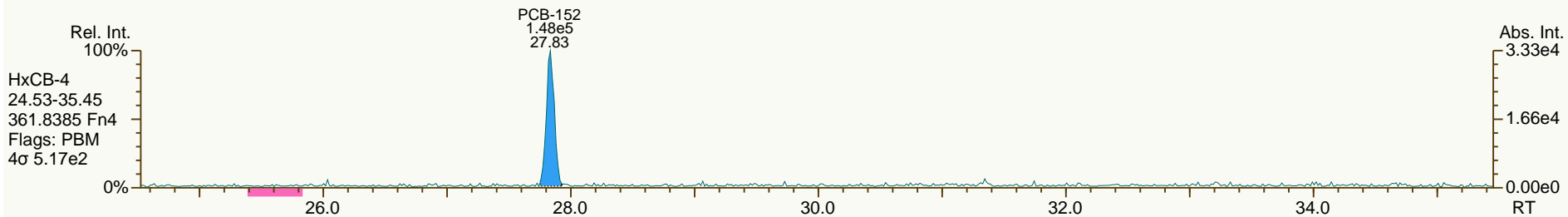
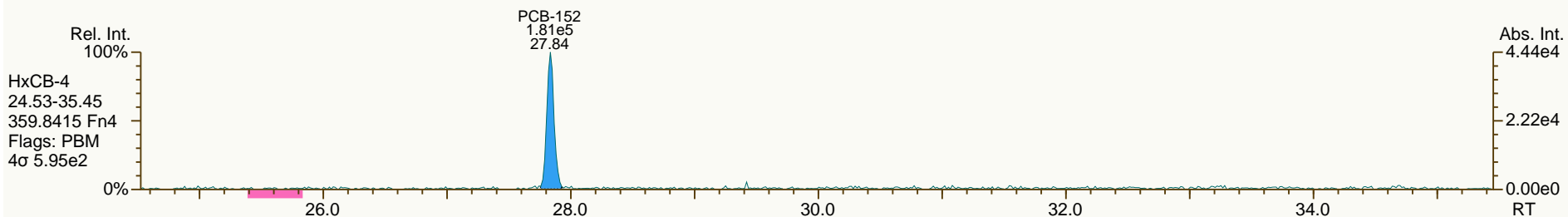


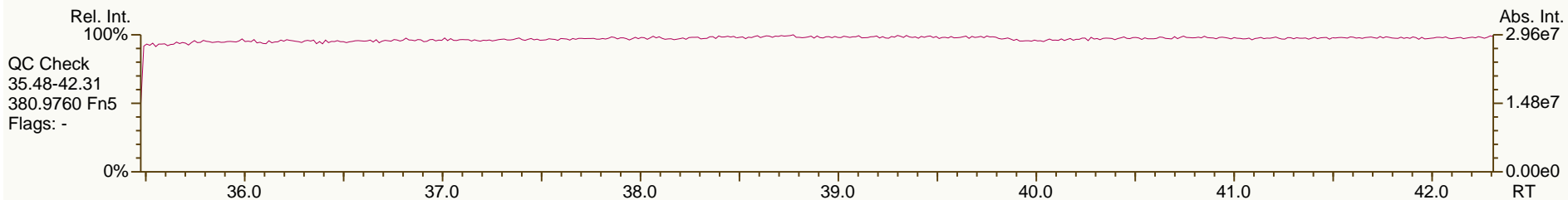
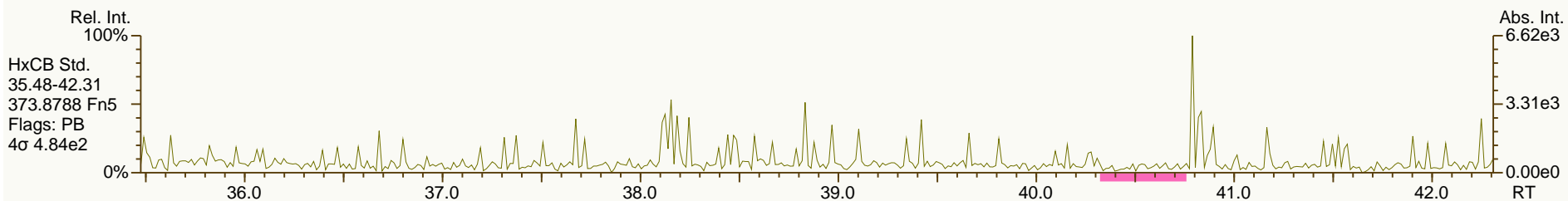
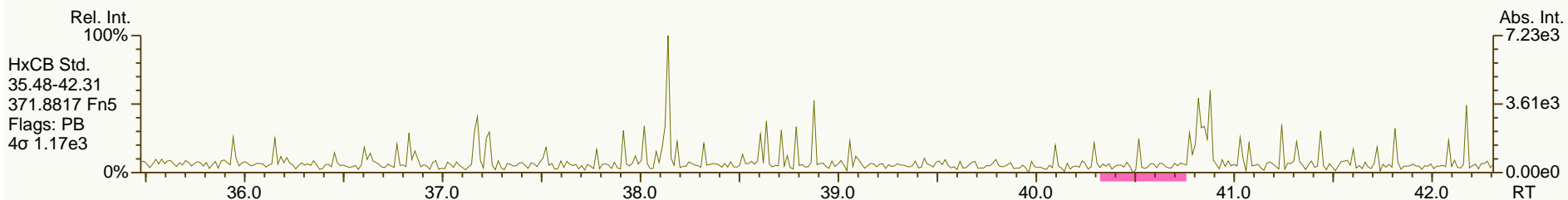
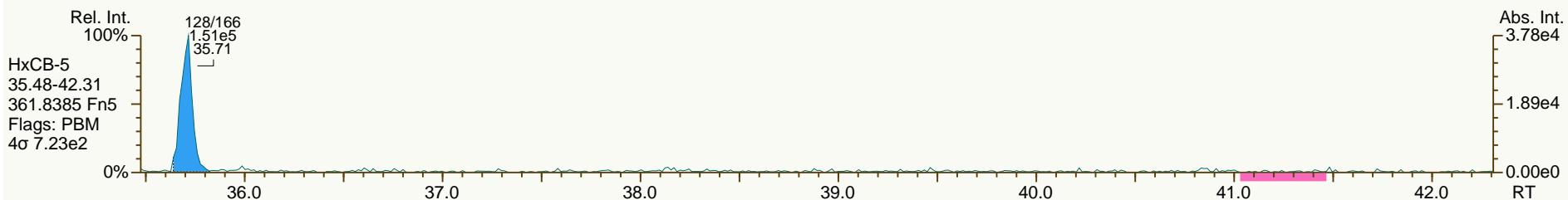
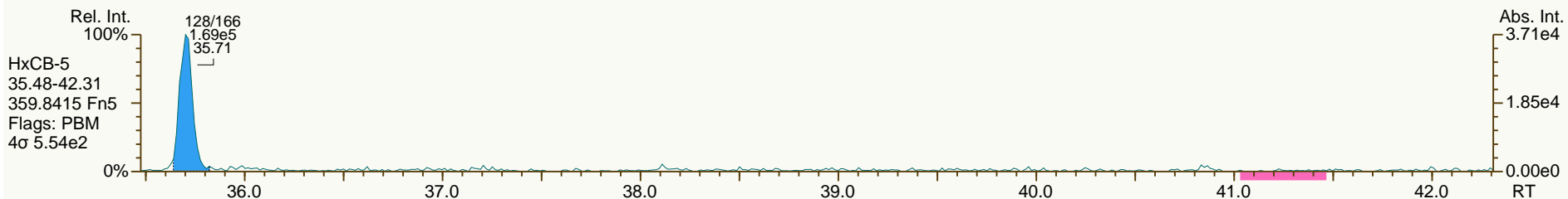


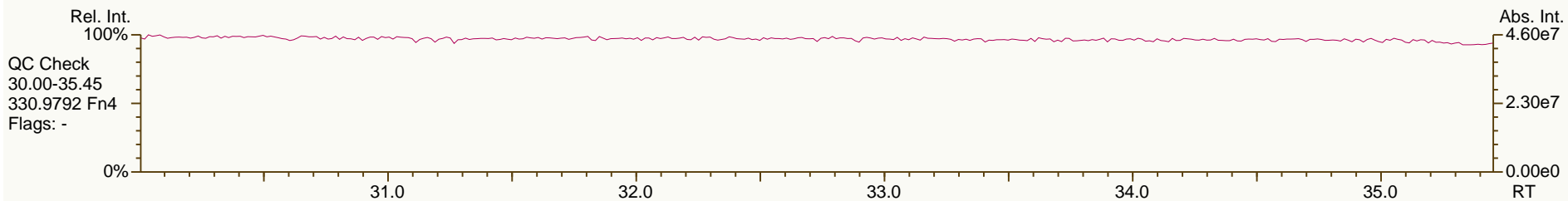
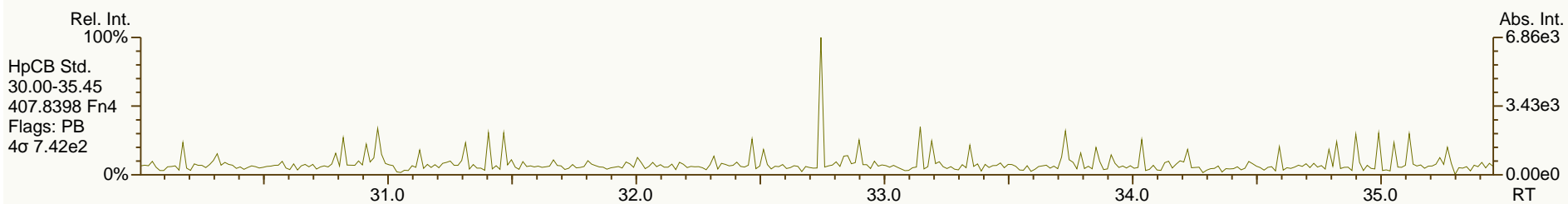
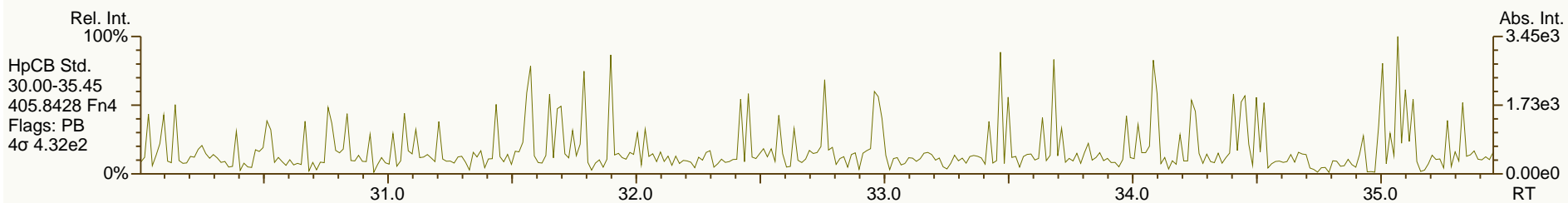
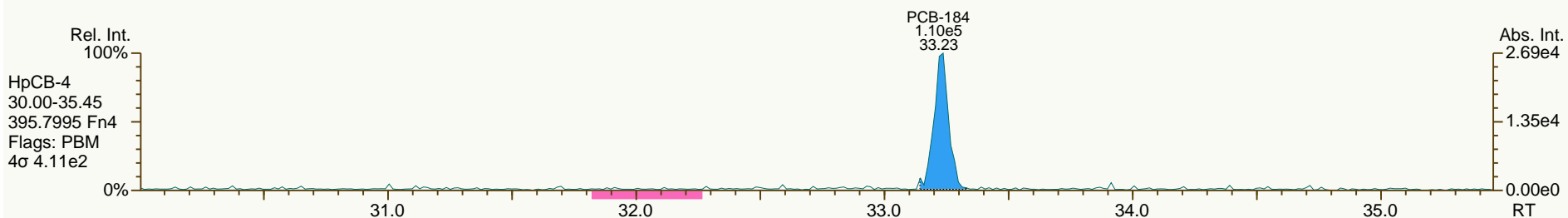
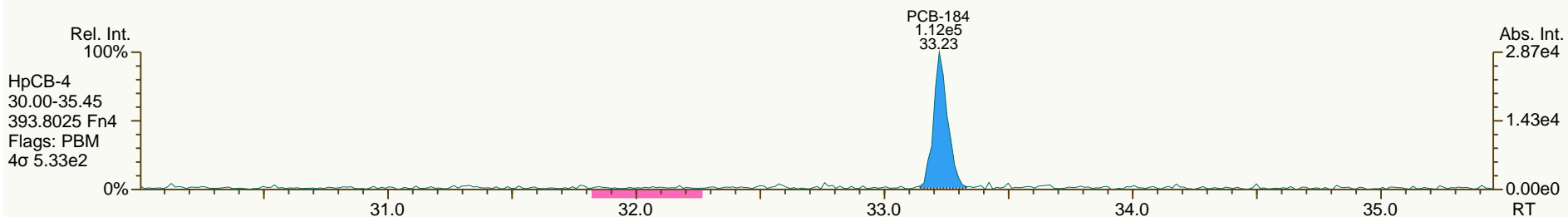


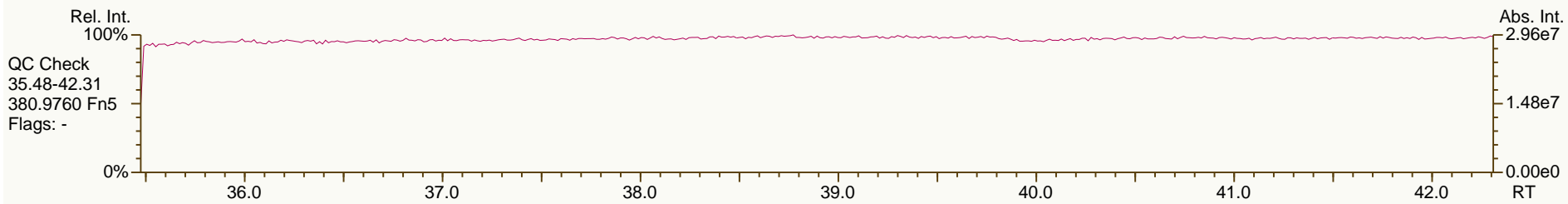
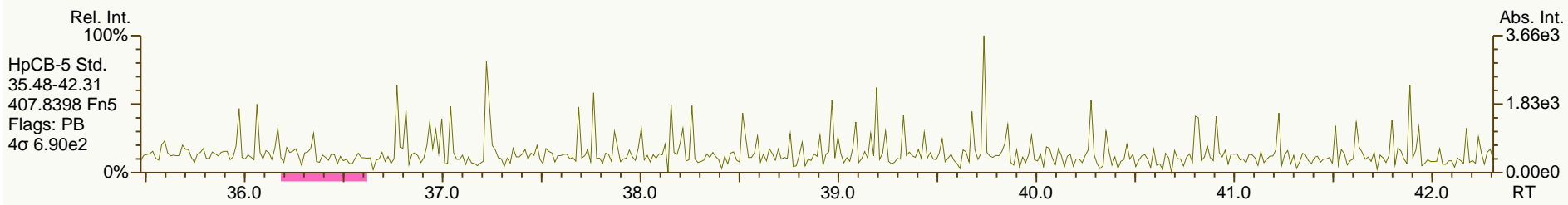
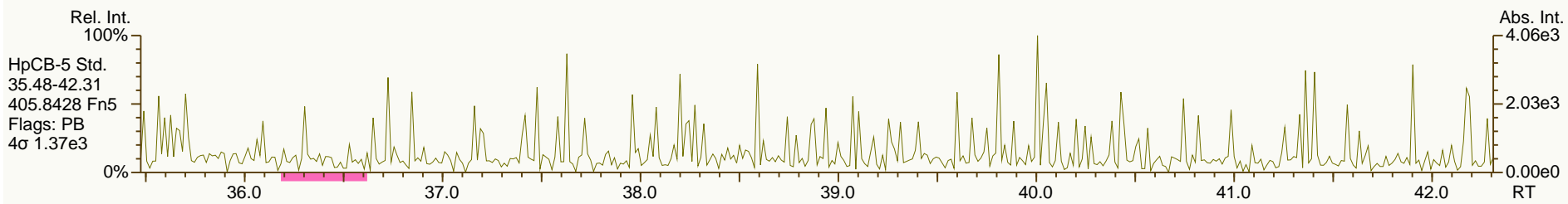
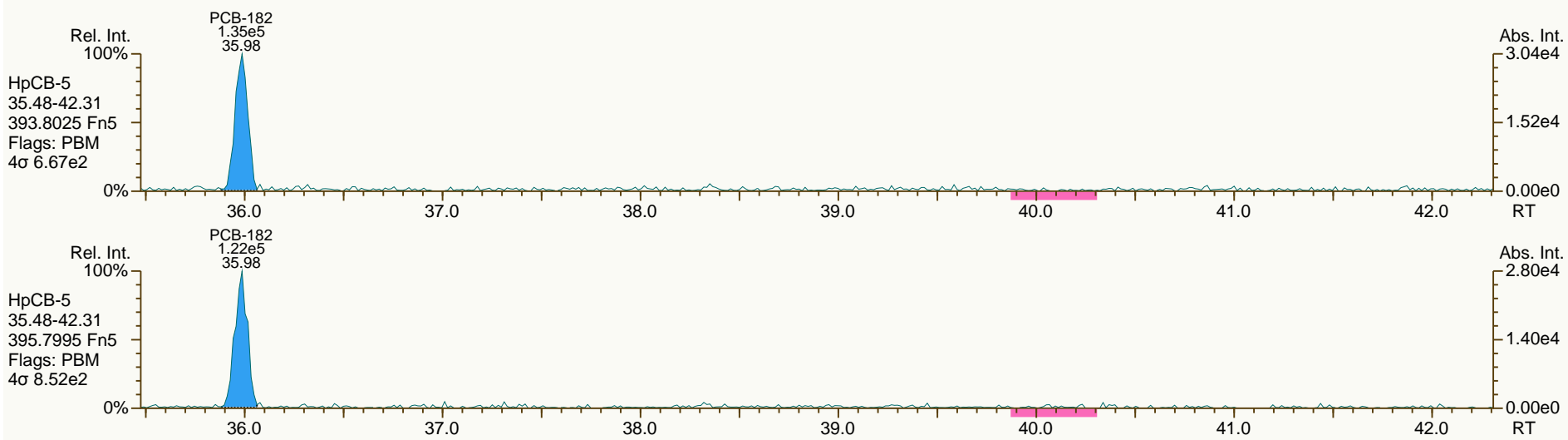


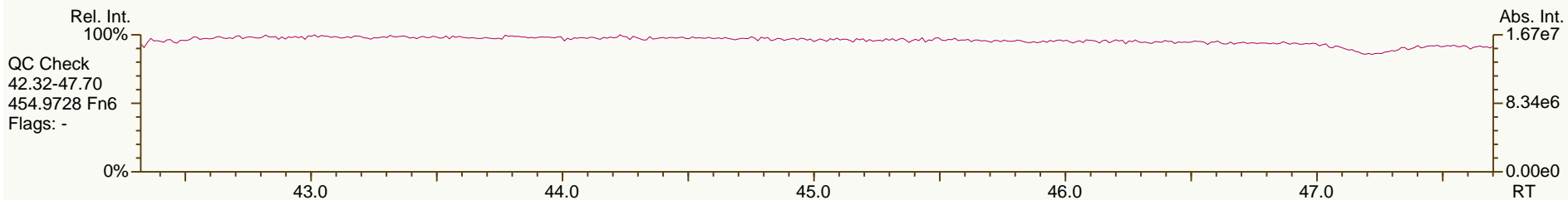
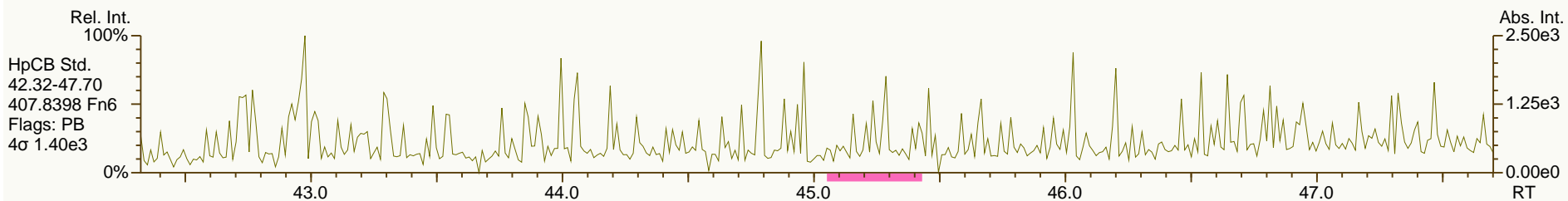
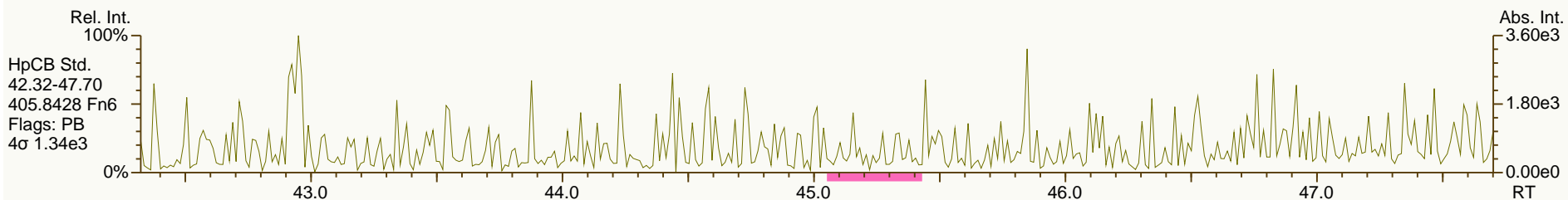
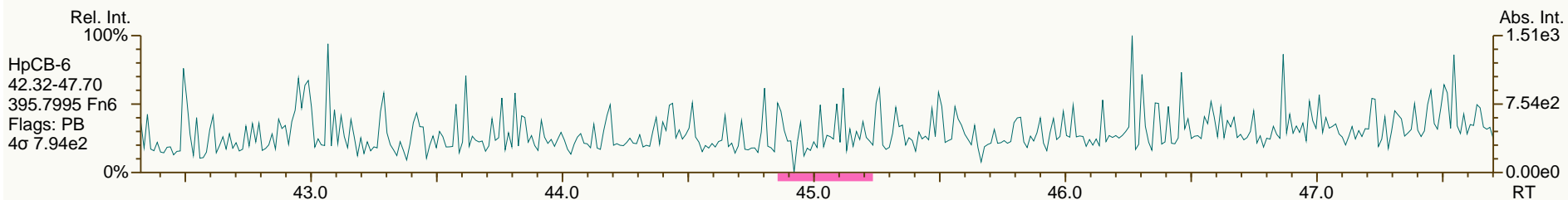
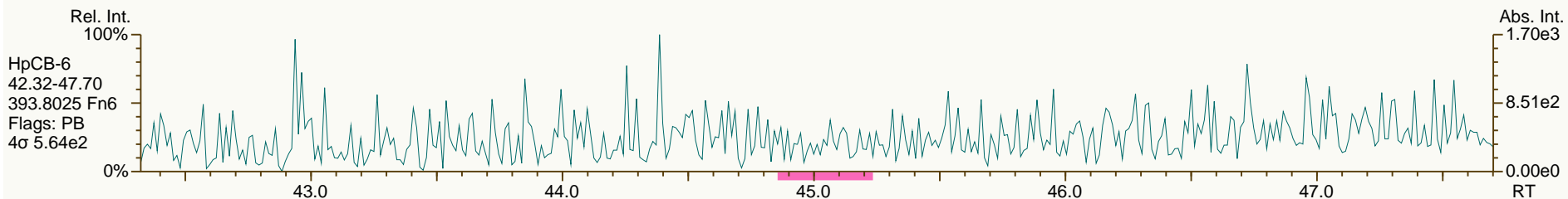


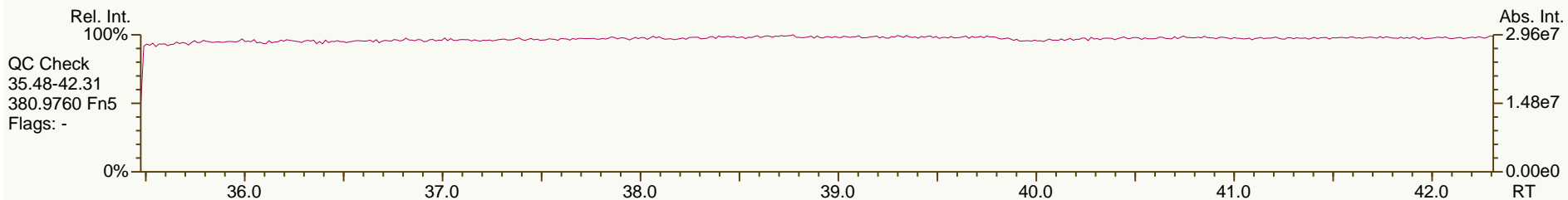
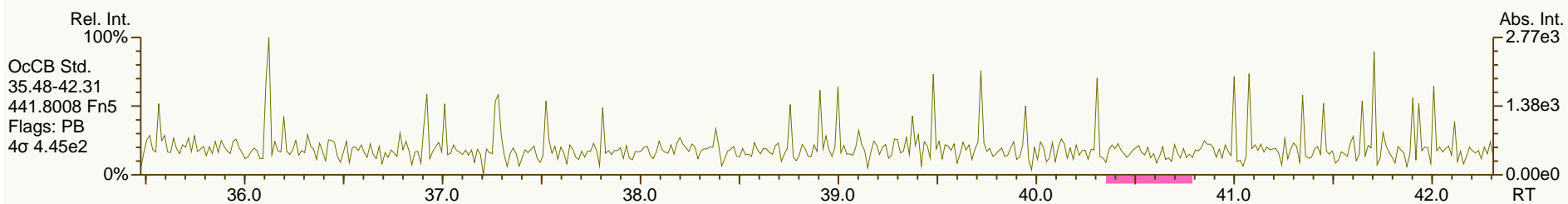
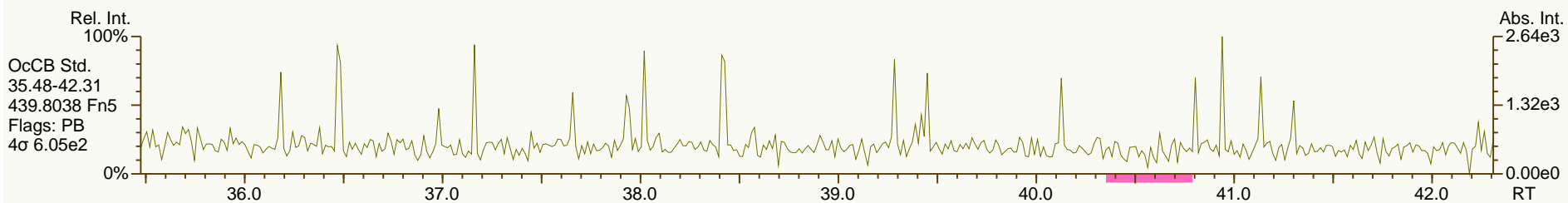
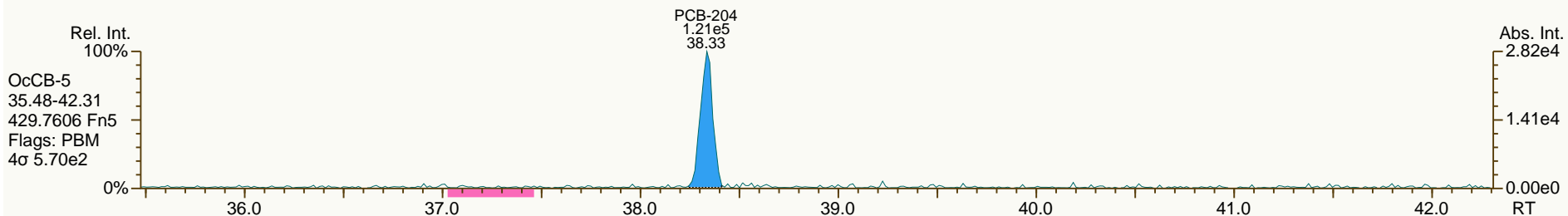
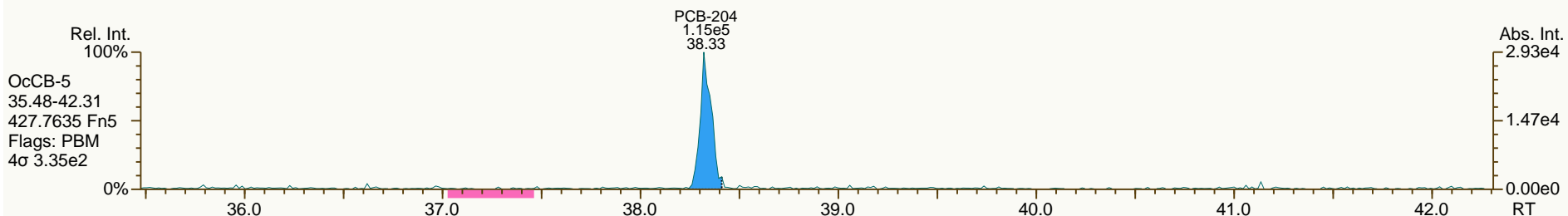


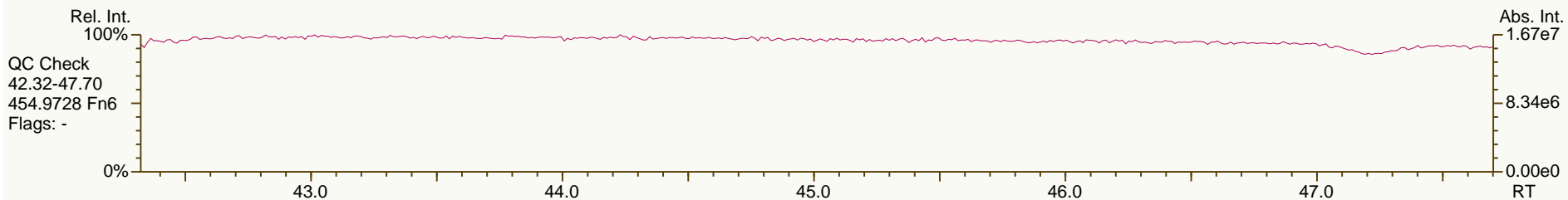
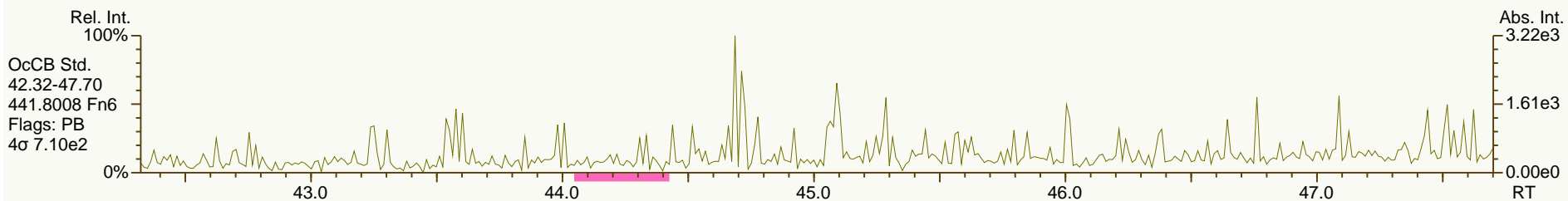
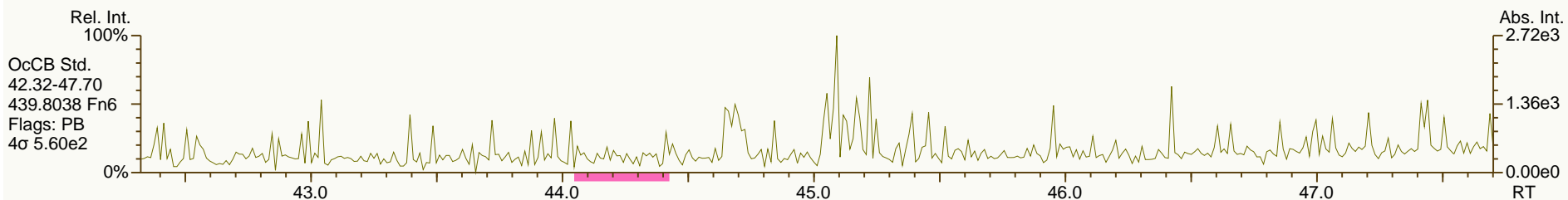
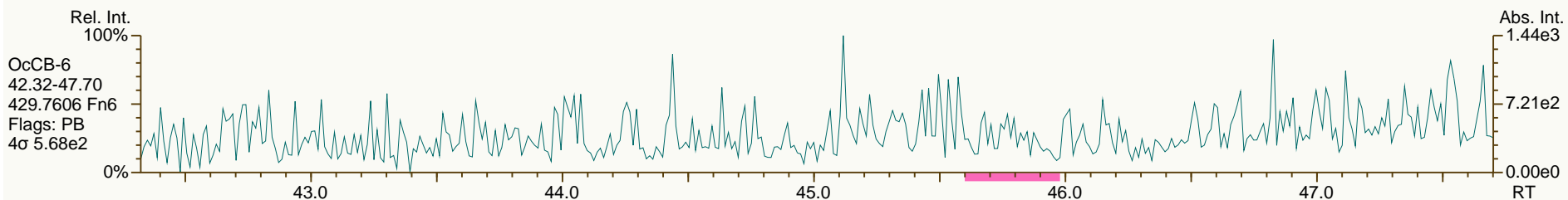
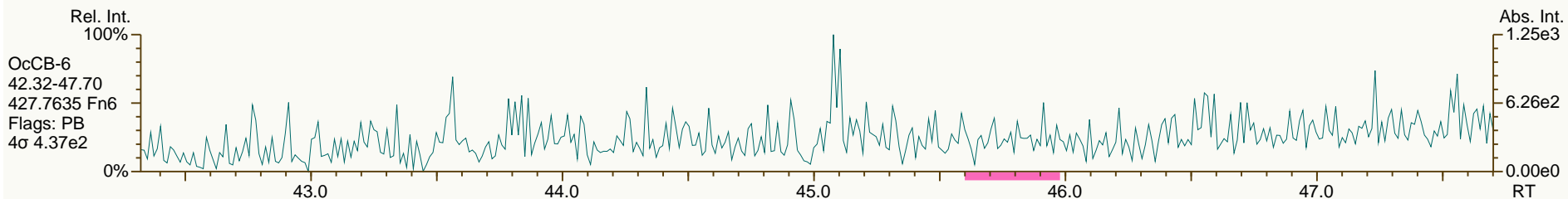


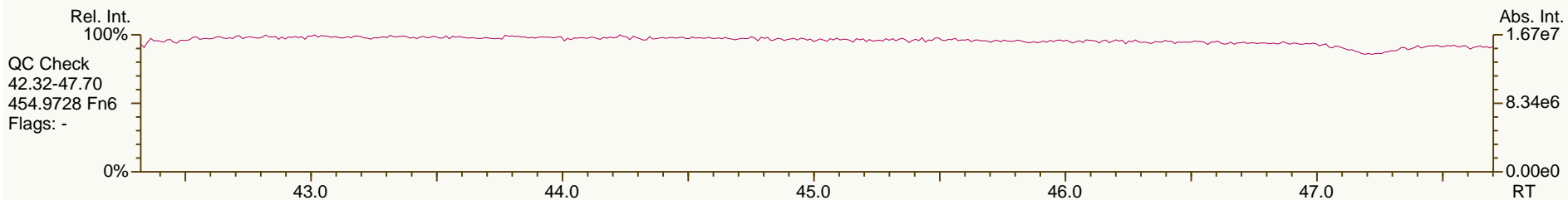
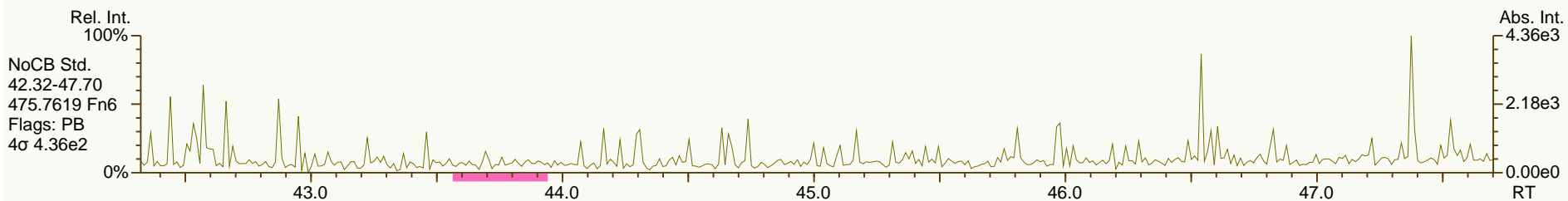
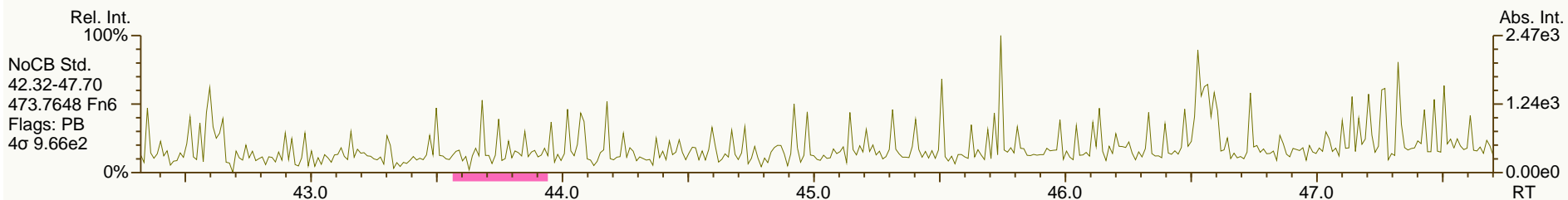
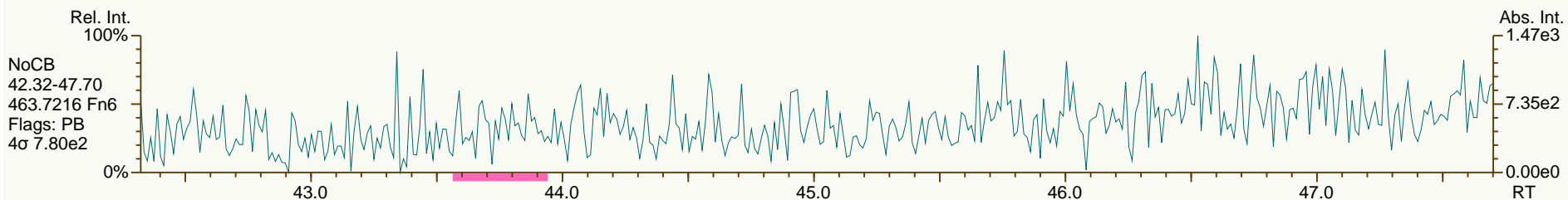
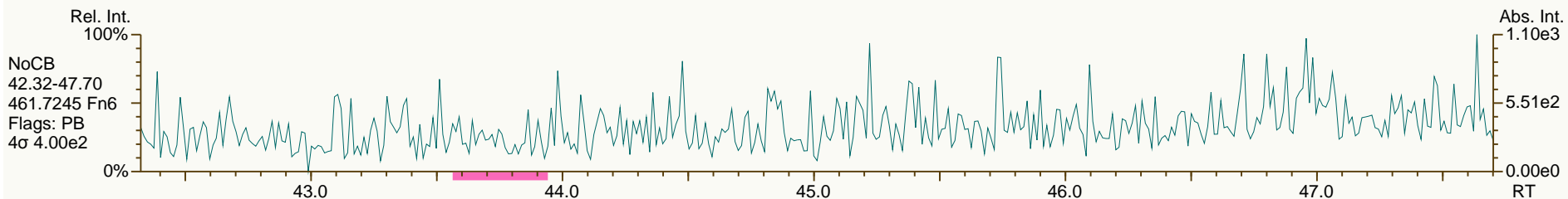


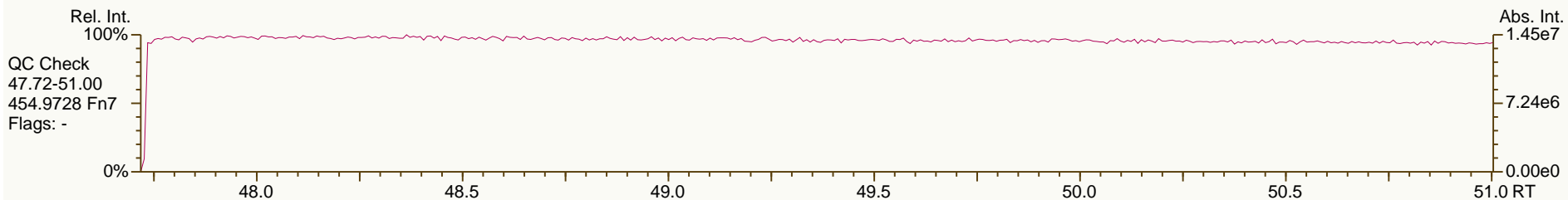
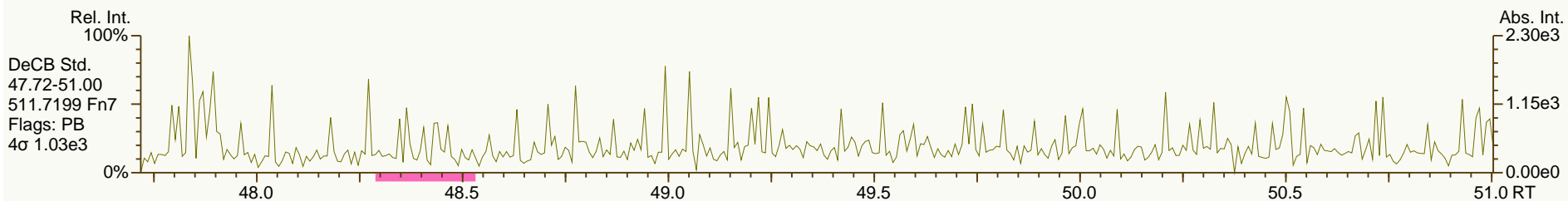
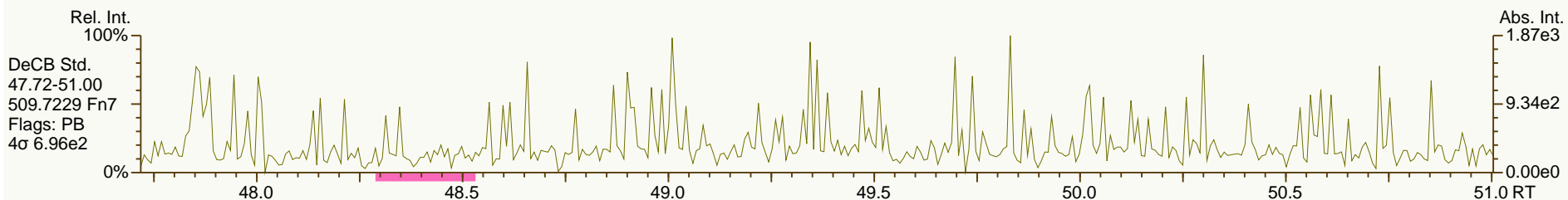
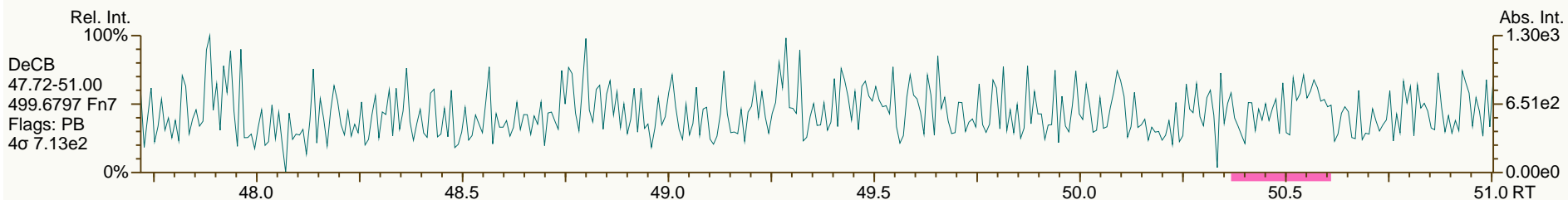
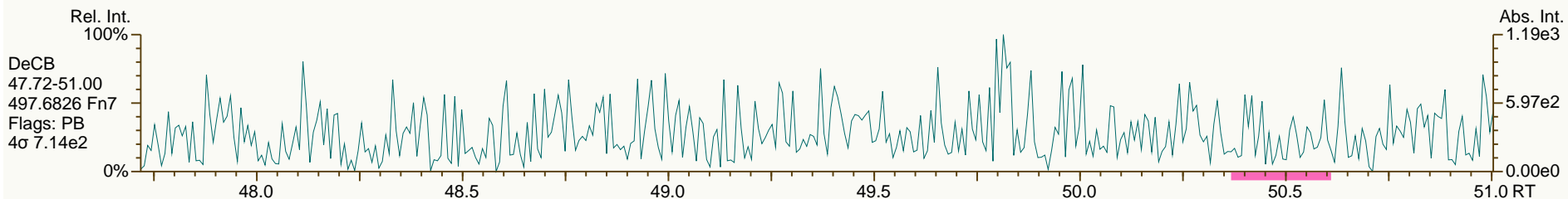




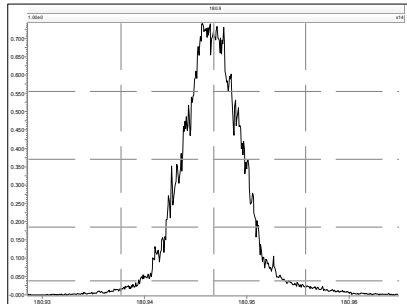




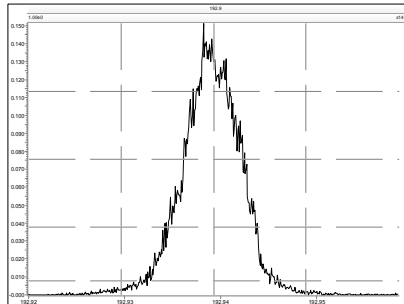




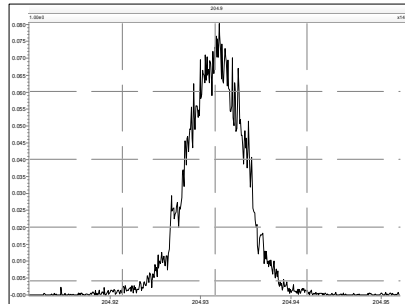
M 180.9888 R 12926



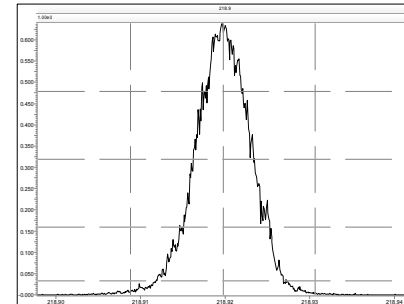
M 192.9888 R 14443



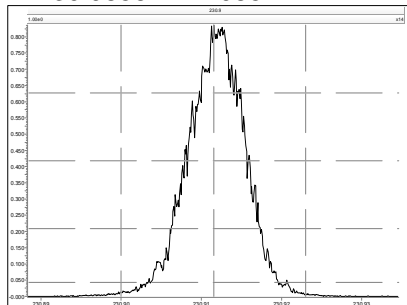
M 204.9888 R 15365



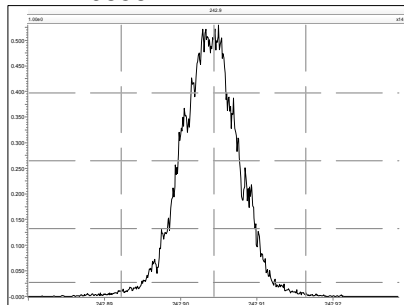
M 218.9856 R 14450



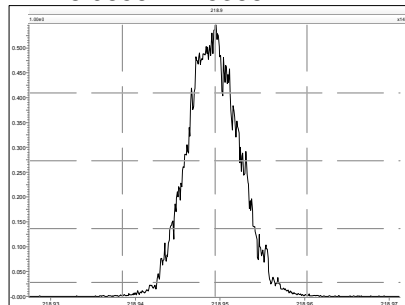
M 230.9856 R 14085



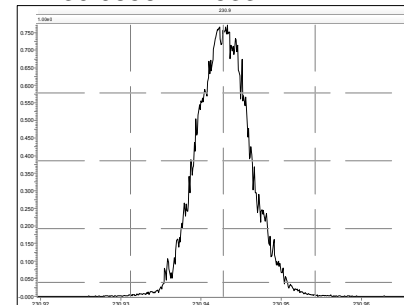
M 242.9856 R 14247



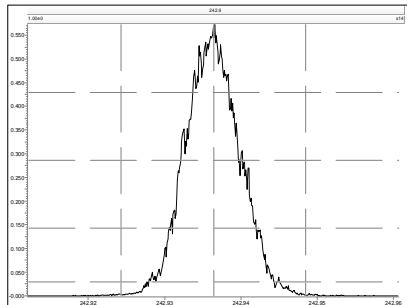
M 218.9856 R 15388



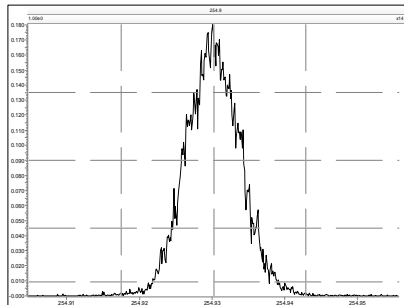
M 230.9856 R 15337



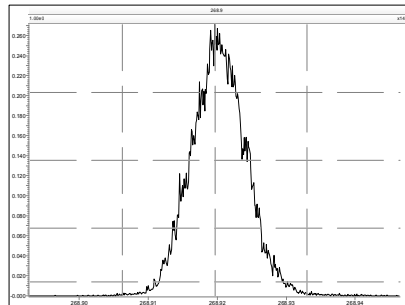
M 242.9856 R 14536



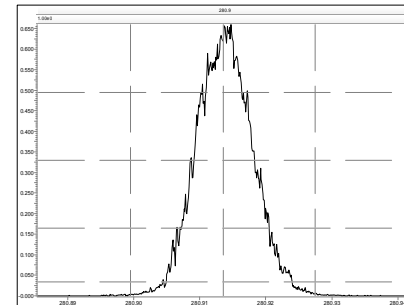
M 254.9856 R 15491



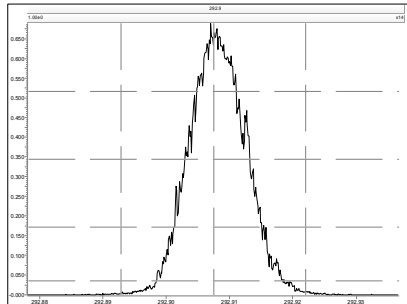
M 268.9824 R 14619



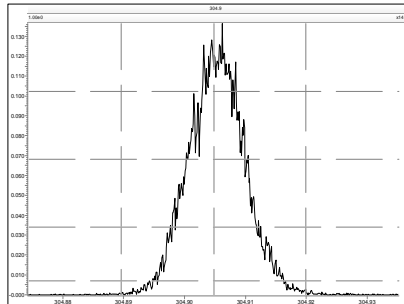
M 280.9824 R 14662



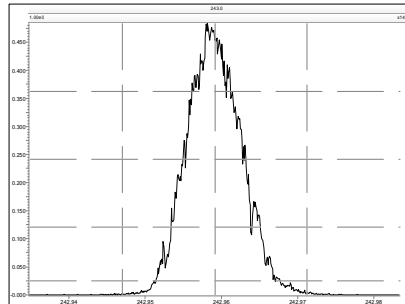
M 292.9824 R 14215



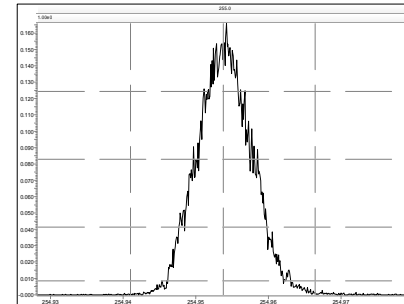
M 304.9824 R 14327



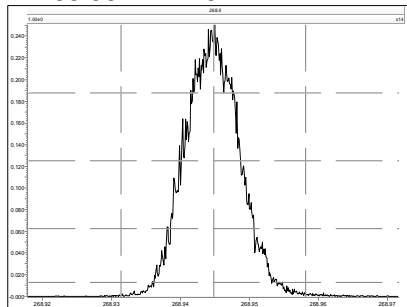
M 242.9856 R 15064



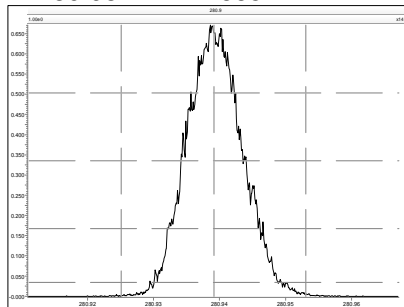
M 254.9856 R 15588



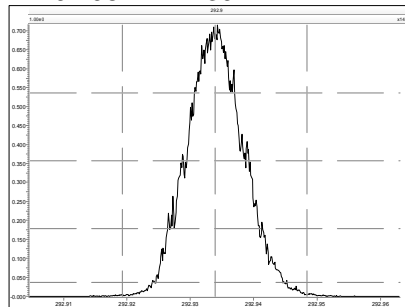
M 268.9824 R 15214



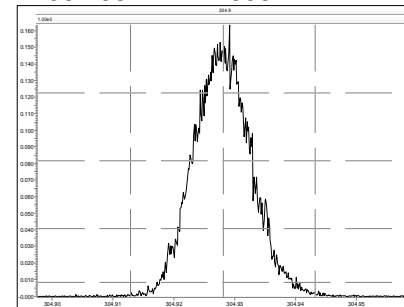
M 280.9824 R 14665



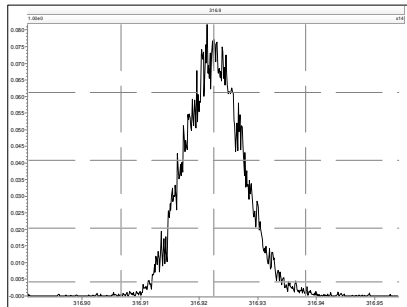
M 292.9824 R 13927



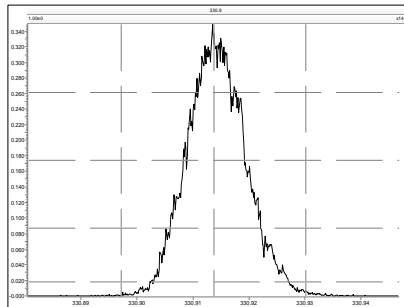
M 304.9824 R 14006



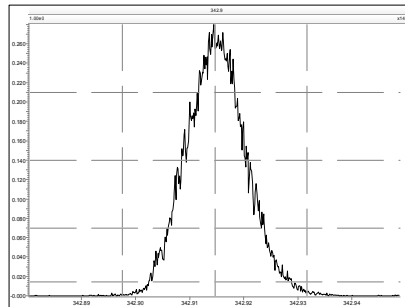
M 316.9824 R 14250



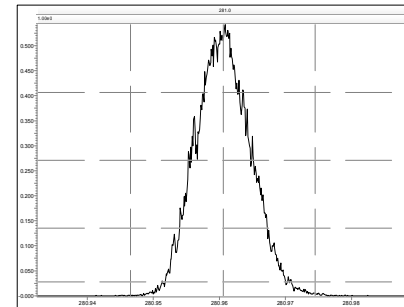
M 330.9792 R 13661



M 342.9792 R 12853

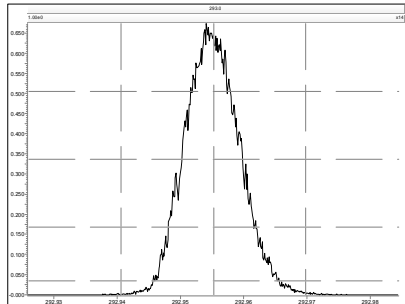


M 280.9824 R 15153

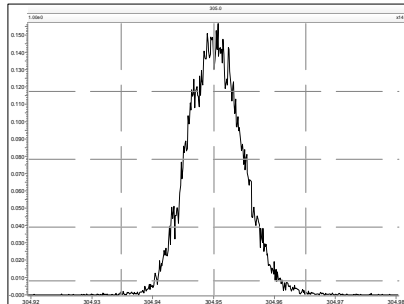


Printed: Wednesday, October 24, 2012 17:40:00 Eastern Daylight Time

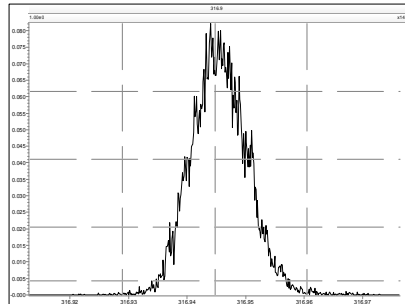
M 292.9824 R 14536



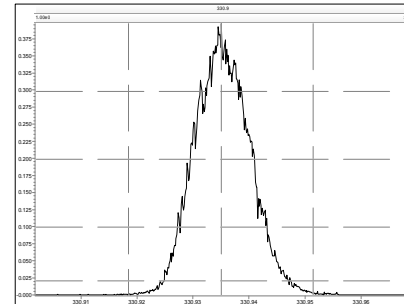
M 304.9824 R 14797



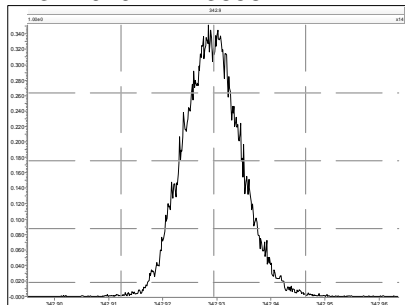
M 316.9824 R 14893



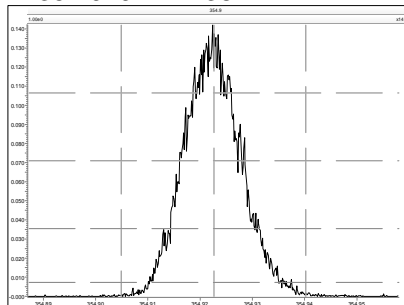
M 330.9792 R 14577



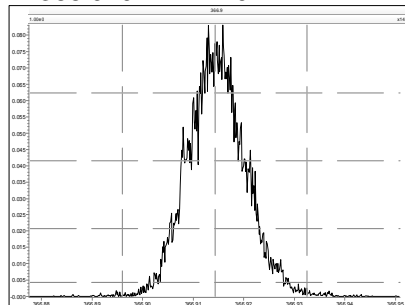
M 342.9792 R 13858



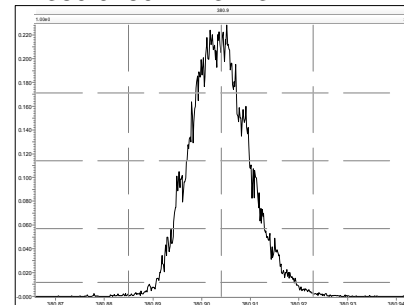
M 354.9792 R 13812



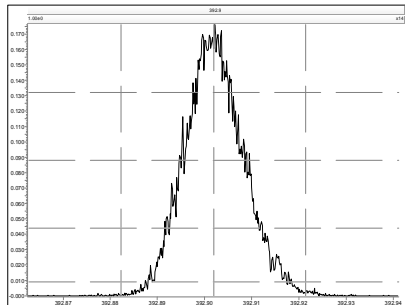
M 366.9792 R 14204



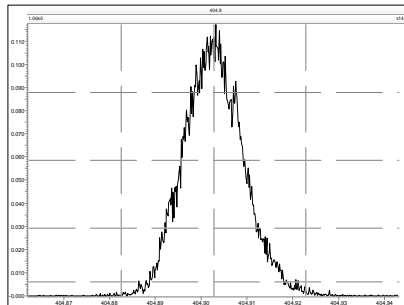
M 380.9760 R 13123



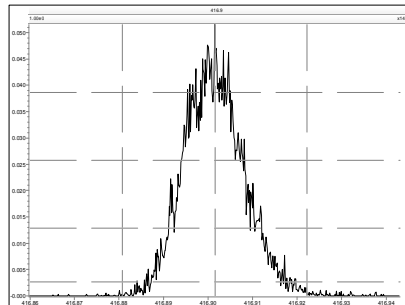
M 392.9760 R 13369



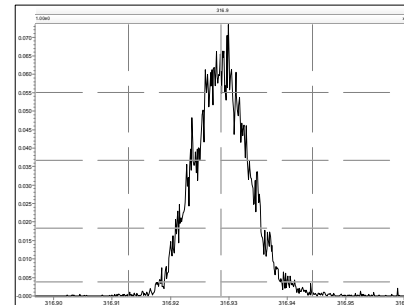
M 404.9760 R 13850



M 416.9760 R 13514

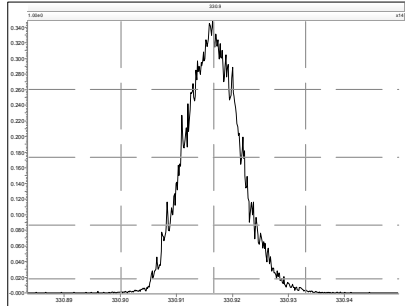


M 316.9824 R 15342

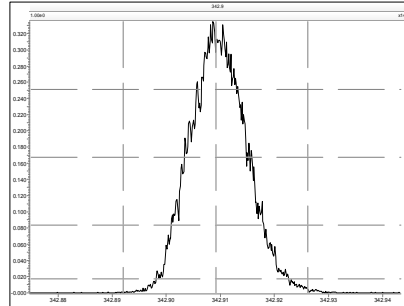


Printed: Wednesday, October 24, 2012 17:40:00 Eastern Daylight Time

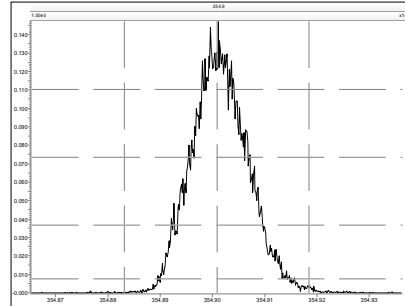
M 330.9792 R 14408



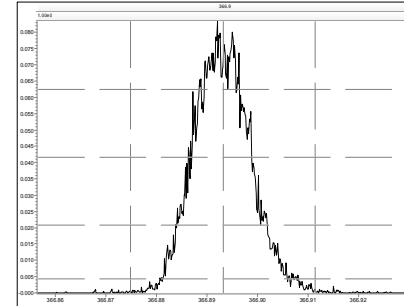
M 342.9792 R 13927



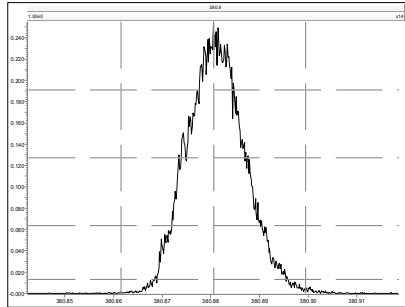
M 354.9792 R 14582



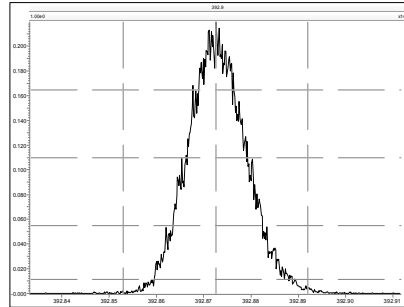
M 366.9792 R 14749



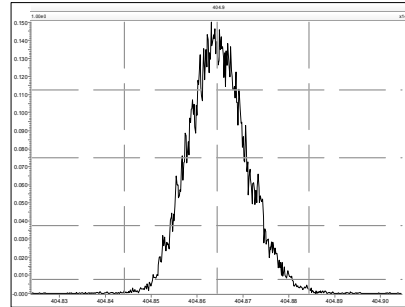
M 380.9760 R 14285



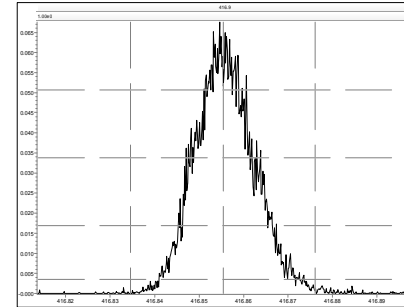
M 392.9760 R 13588



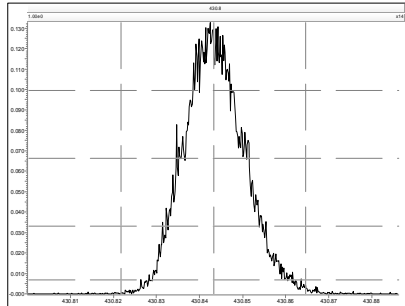
M 404.9760 R 13446



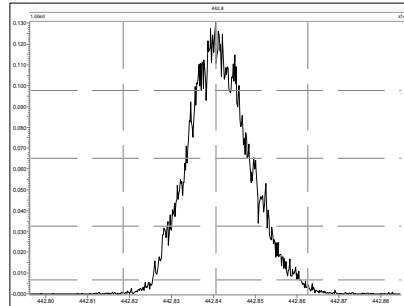
M 416.9760 R 13371



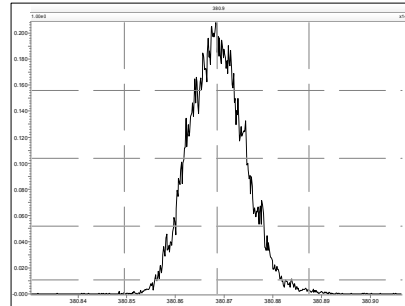
M 430.9728 R 13158



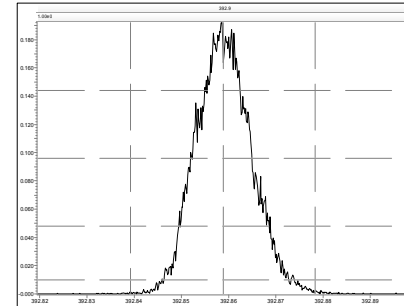
M 442.9728 R 12406



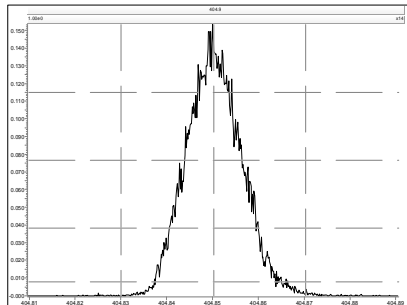
M 380.9760 R 14462



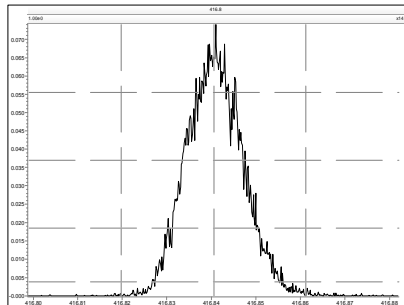
M 392.9760 R 14748



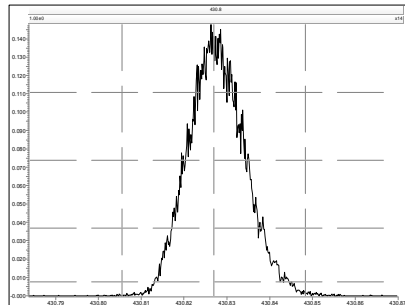
M 404.9760 R 15291



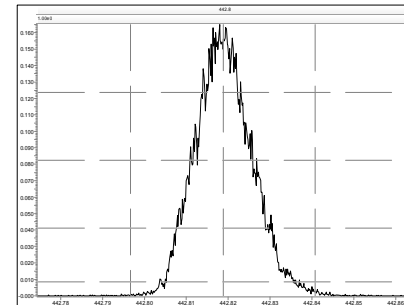
M 416.9760 R 14885



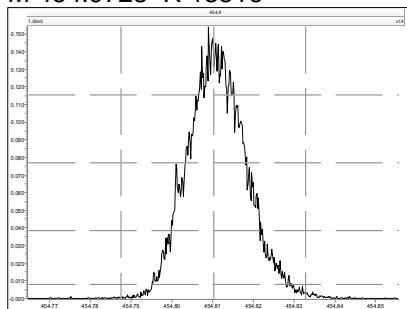
M 430.9728 R 13895



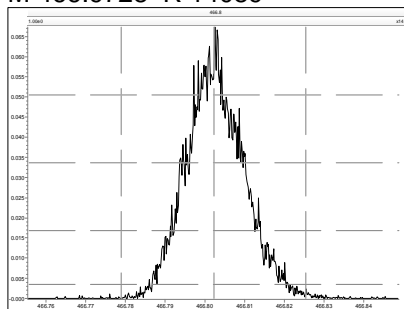
M 442.9728 R 14006



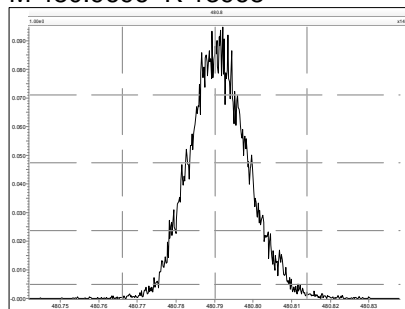
M 454.9728 R 13516



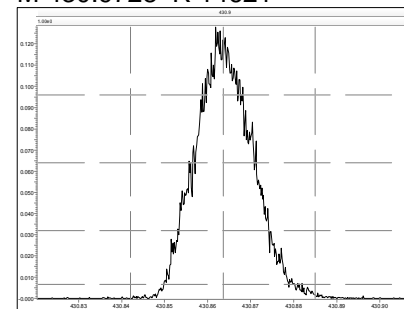
M 466.9728 R 14089



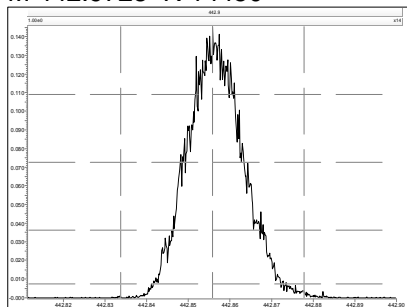
M 480.9696 R 13968



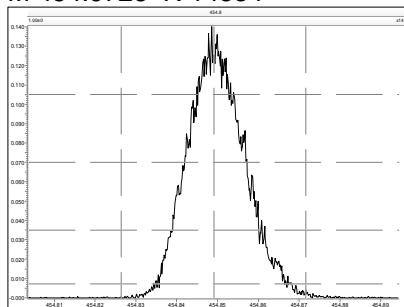
M 430.9728 R 14621



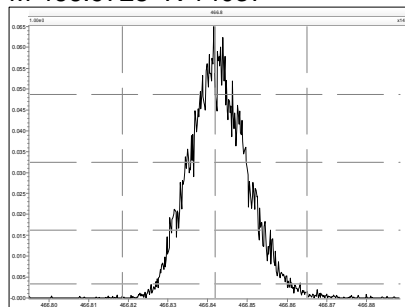
M 442.9728 R 14450



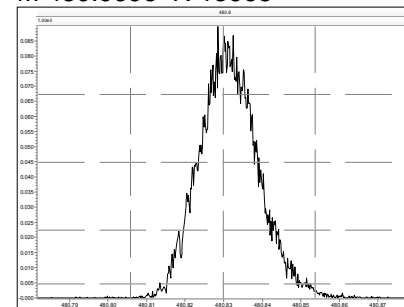
M 454.9728 R 14534



M 466.9728 R 14037

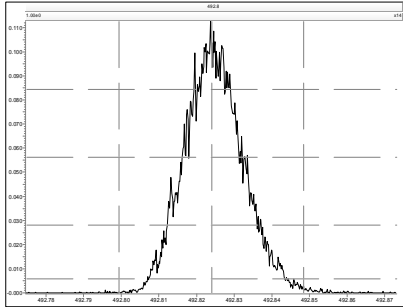


M 480.9696 R 13968

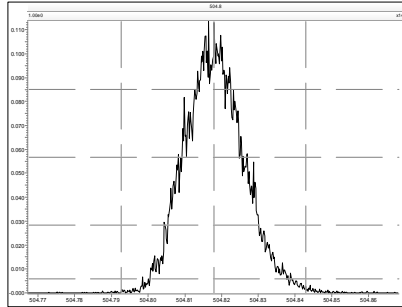


Printed: Wednesday, October 24, 2012 17:40:00 Eastern Daylight Time

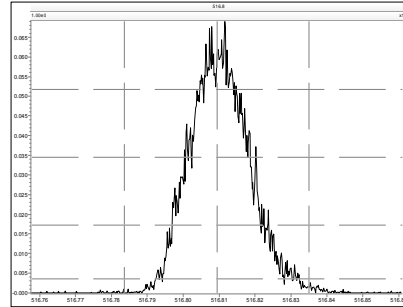
M 492.9696 R 13270



M 504.9696 R 13479

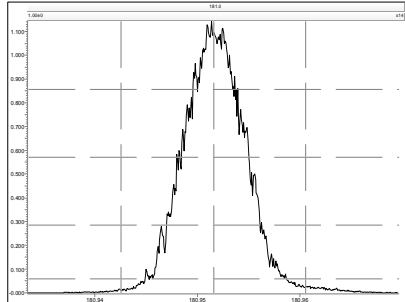


M 516.9697 R 14489

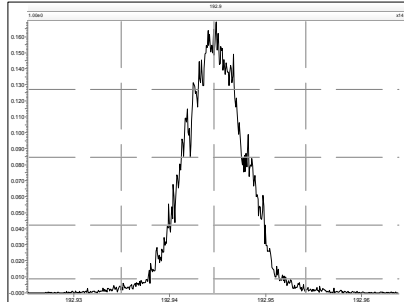


Printed: Thursday, October 25, 2012 01:03:25 Eastern Daylight Time

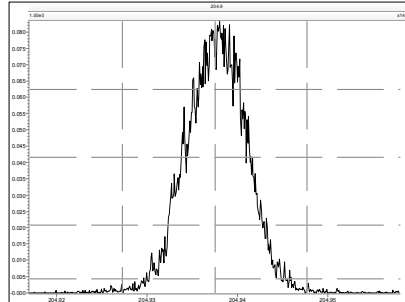
M 180.9888 R 13054



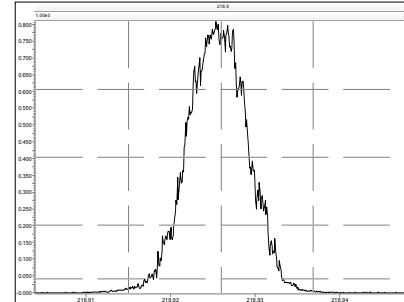
M 192.9888 R 13851



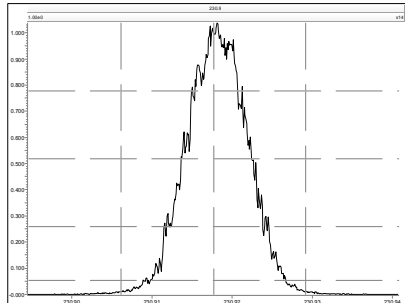
M 204.9888 R 13819



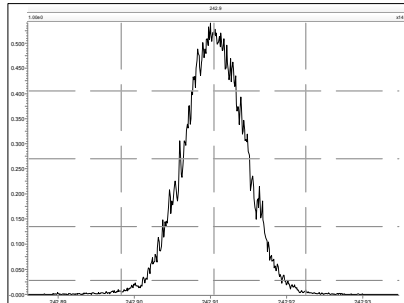
M 218.9856 R 13590



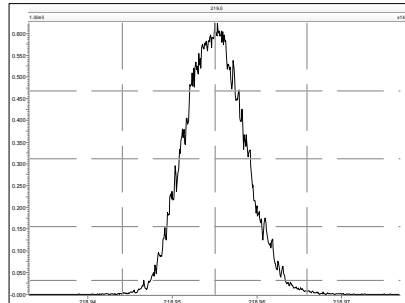
M 230.9856 R 13661



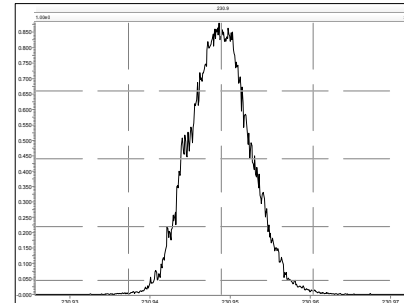
M 242.9856 R 13269



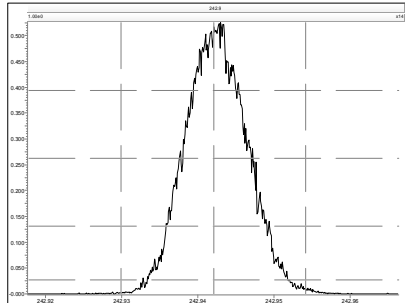
M 218.9856 R 13477



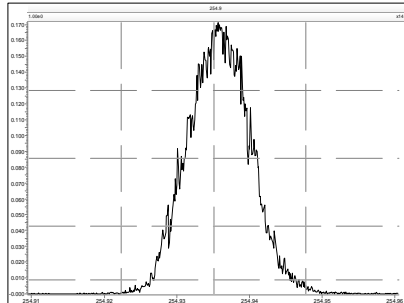
M 230.9856 R 13587



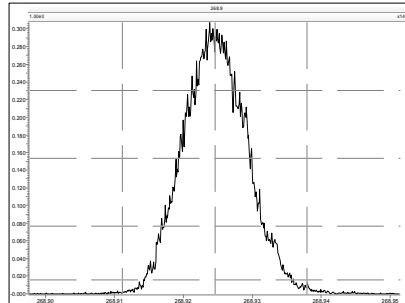
M 242.9856 R 13446



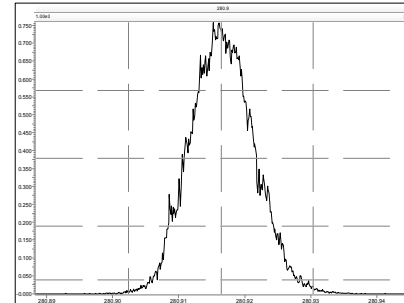
M 254.9856 R 13123



M 268.9824 R 12595

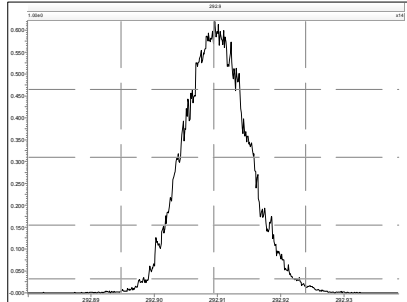


M 280.9824 R 12690

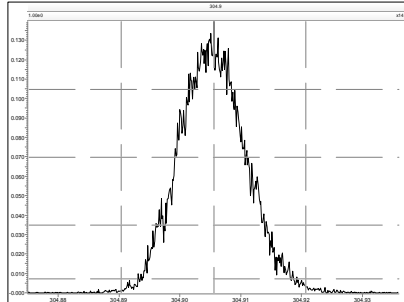


Printed: Thursday, October 25, 2012 01:03:25 Eastern Daylight Time

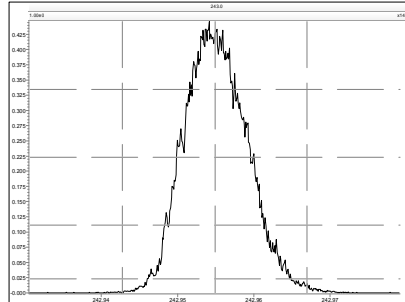
M 292.9824 R 12499



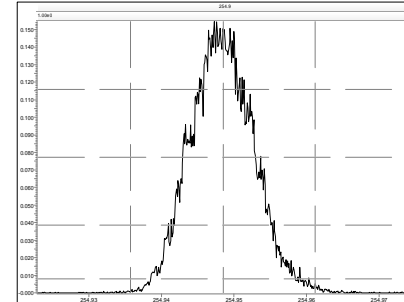
M 304.9824 R 12499



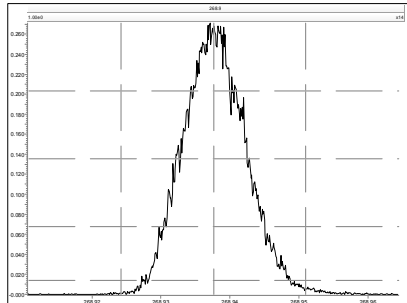
M 242.9856 R 12987



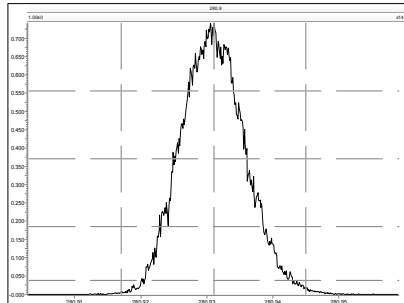
M 254.9856 R 13328



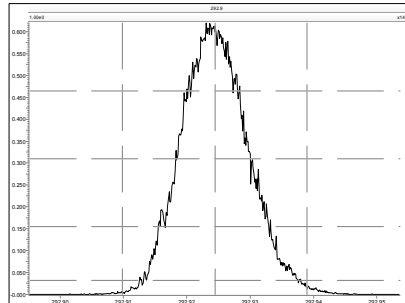
M 268.9824 R 12821



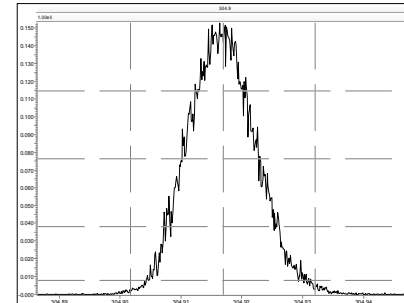
M 280.9824 R 12468



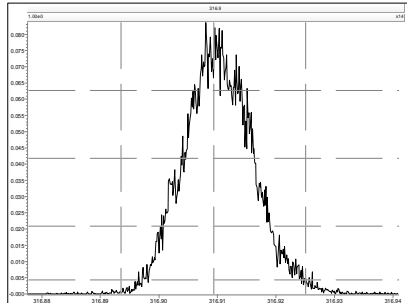
M 292.9824 R 11932



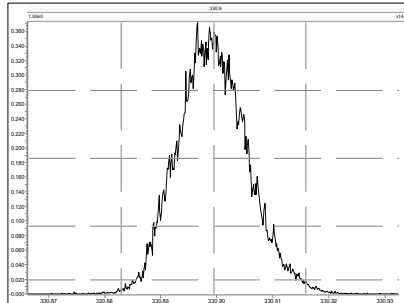
M 304.9824 R 12107



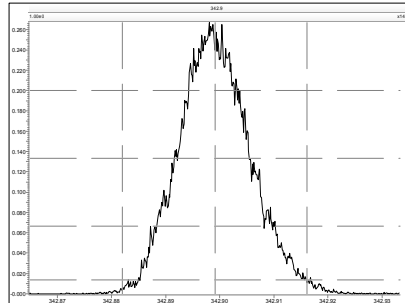
M 316.9824 R 12048



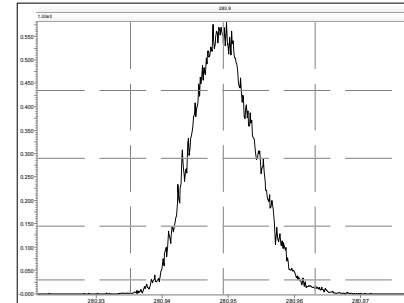
M 330.9792 R 11290



M 342.9792 R 11162

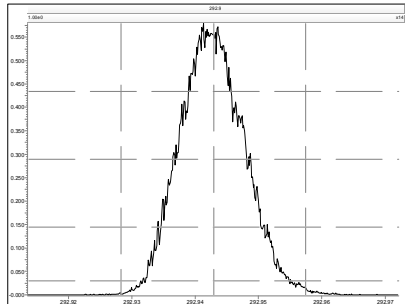


M 280.9824 R 13089

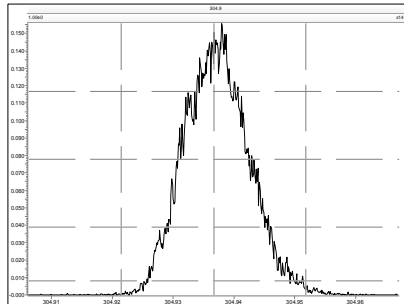


Printed: Thursday, October 25, 2012 01:03:25 Eastern Daylight Time

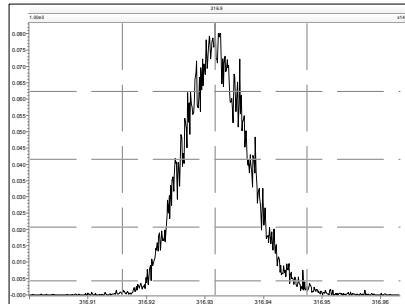
M 292.9824 R 12820



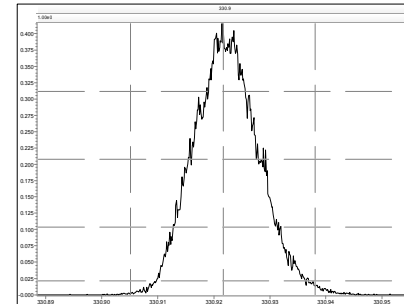
M 304.9824 R 12857



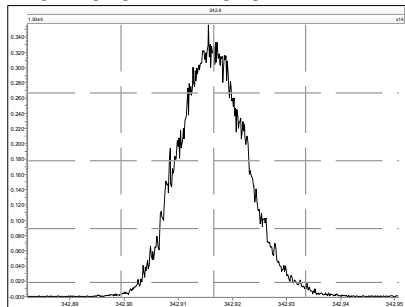
M 316.9824 R 12859



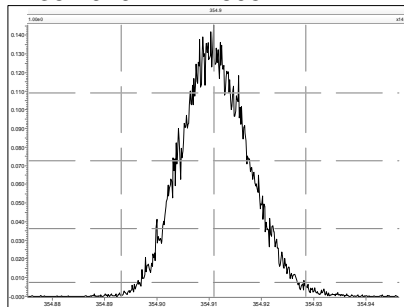
M 330.9792 R 12255



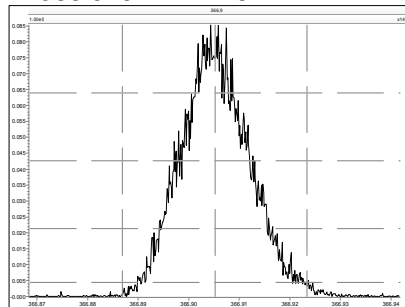
M 342.9792 R 11629



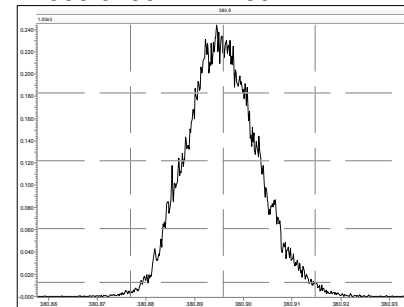
M 354.9792 R 11605



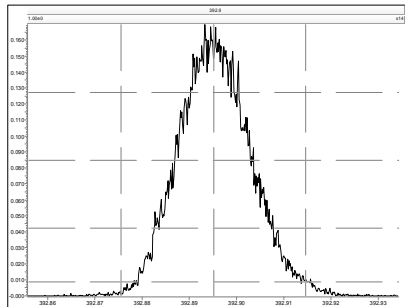
M 366.9792 R 11161



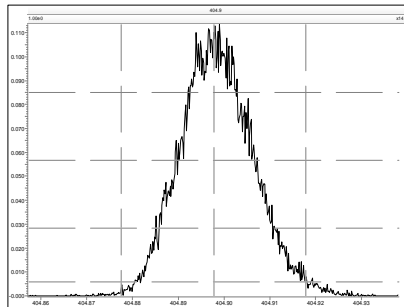
M 380.9760 R 11189



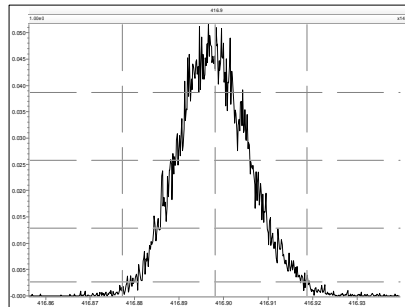
M 392.9760 R 10800



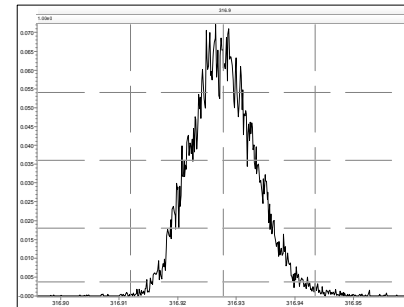
M 404.9760 R 11161



M 416.9760 R 11039

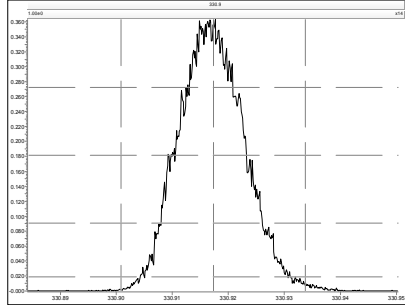


M 316.9824 R 12828

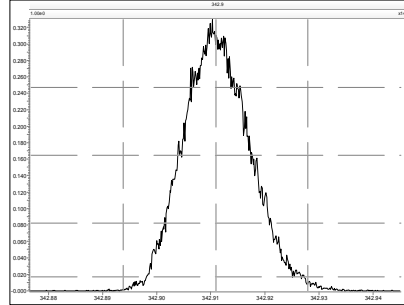


Printed: Thursday, October 25, 2012 01:03:25 Eastern Daylight Time

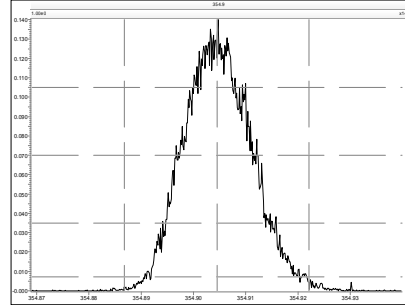
M 330.9792 R 12664



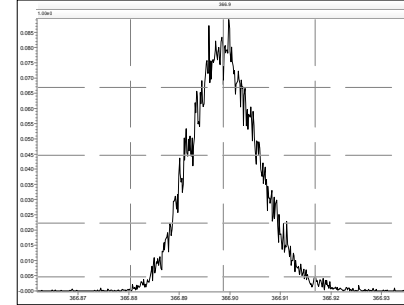
M 342.9792 R 11940



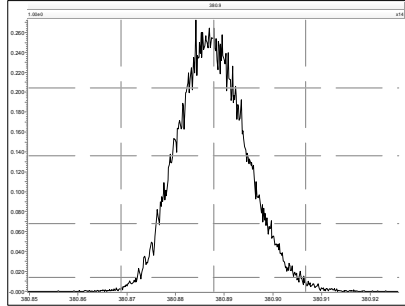
M 354.9792 R 12316



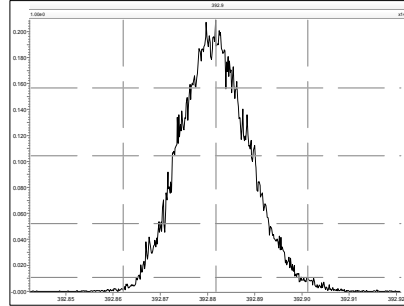
M 366.9792 R 12106



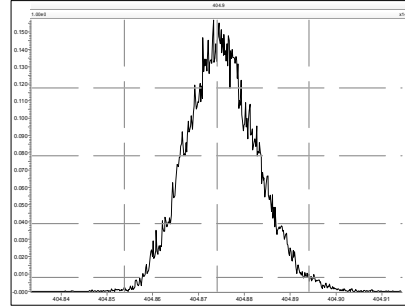
M 380.9760 R 11739



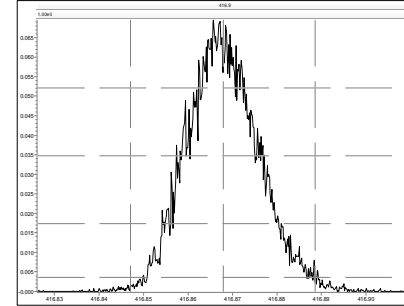
M 392.9760 R 11628



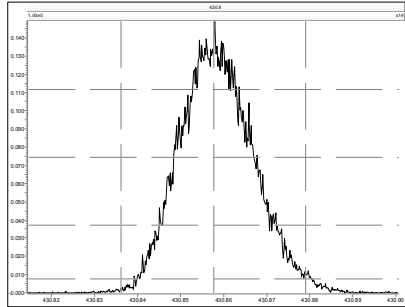
M 404.9760 R 10966



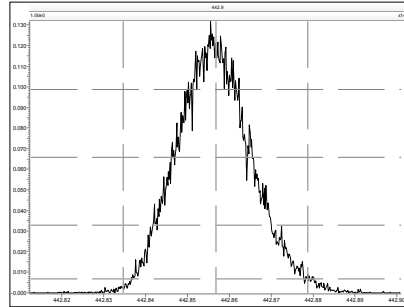
M 416.9760 R 11421



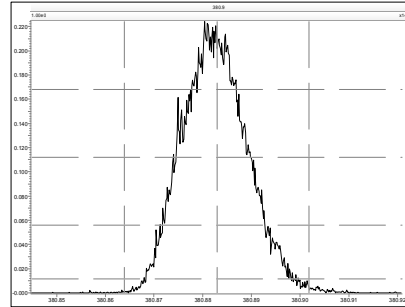
M 430.9728 R 10825



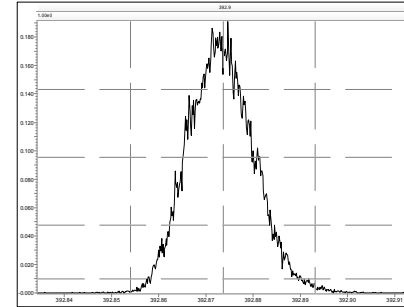
M 442.9728 R 10660



M 380.9760 R 12722

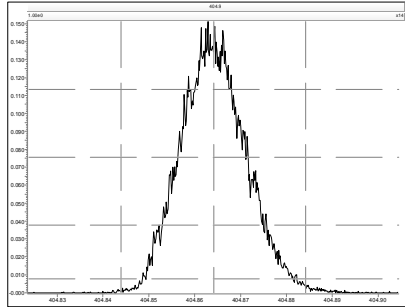


M 392.9760 R 12469

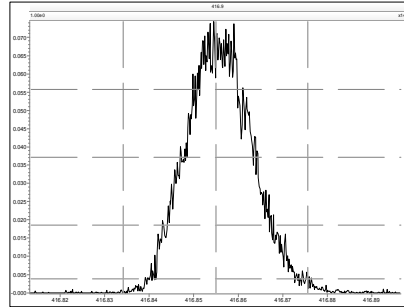


Printed: Thursday, October 25, 2012 01:03:25 Eastern Daylight Time

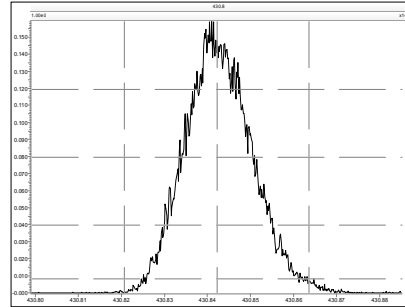
M 404.9760 R 12284



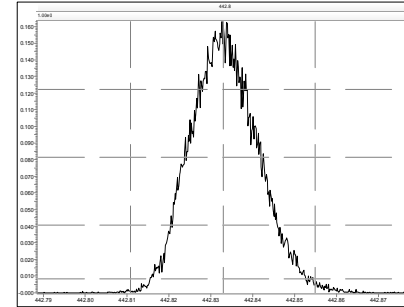
M 416.9760 R 12562



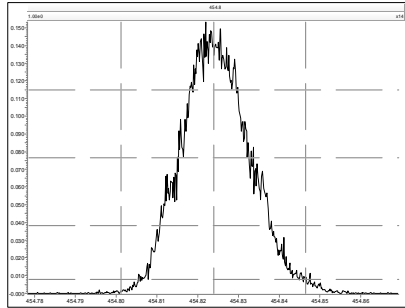
M 430.9728 R 12107



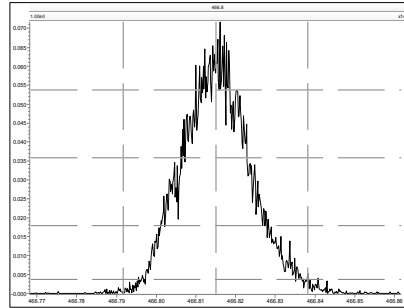
M 442.9728 R 11737



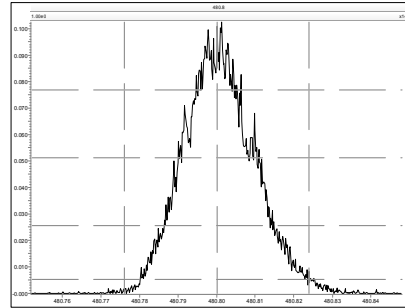
M 454.9728 R 11186



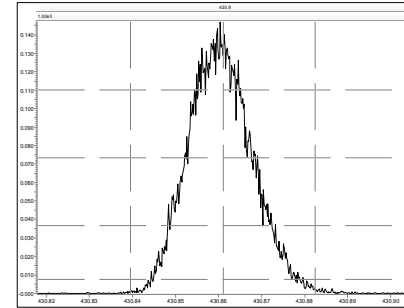
M 466.9728 R 11602



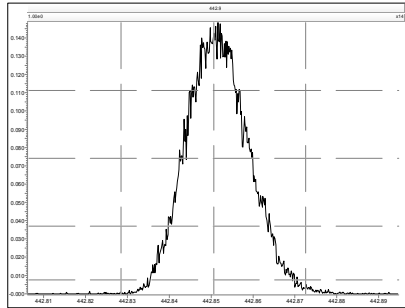
M 480.9696 R 11086



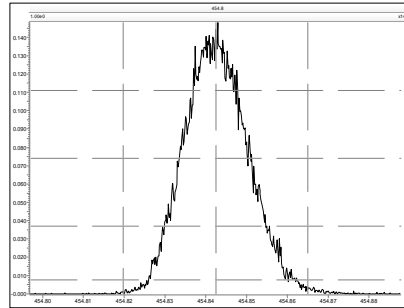
M 430.9728 R 12788



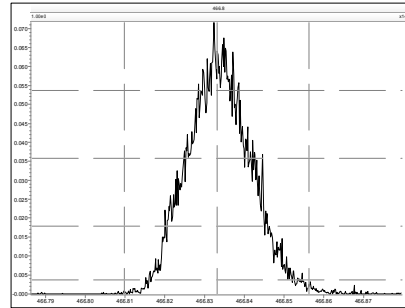
M 442.9728 R 13208



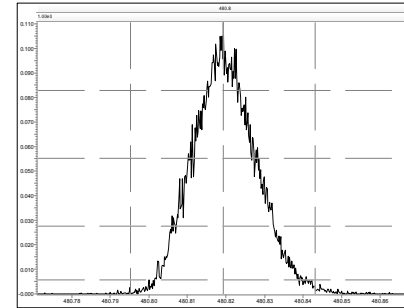
M 454.9728 R 12565



M 466.9728 R 12986

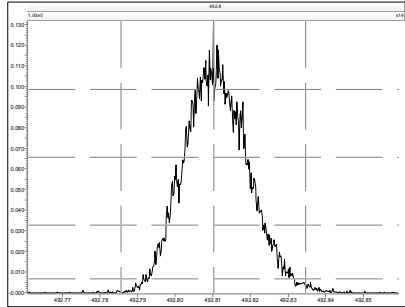


M 480.9696 R 12787

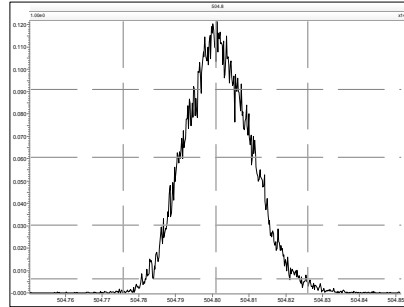


Printed: Thursday, October 25, 2012 01:03:25 Eastern Daylight Time

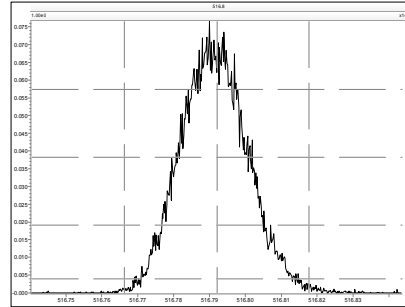
M 492.9696 R 12378



M 504.9696 R 12660



M 516.9697 R 12377



ANALYTICAL REPORT

Job Number: 580-32803-1

Job Description: Jeld-Wen Surface Sediment

For:

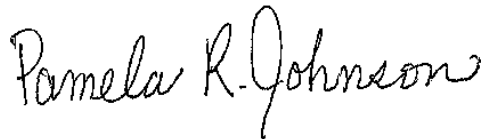
Anchor QEA LLC

720 Olive Way

Suite 1900

Seattle, WA 98101

Attention: Cindy Fields



Approved for release.
Pam R Johnson
Project Manager I
6/19/2012 9:44 AM

Pam R Johnson

Project Manager I

pamr.johnson@testamericainc.com

06/19/2012

Revision: 1

cc: Lab Data
Niki Masters

TestAmerica Tacoma is a part of TestAmerica Laboratories, Inc.

This report is issued solely for the use of the person or company to whom it is addressed. Any use, copying or disclosure other than by the intended recipient is unauthorized. If you have received this report in error, please notify the sender immediately at 253-922-2310 and destroy this report immediately.

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

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

TestAmerica Laboratories, Inc.

TestAmerica Seattle 5755 8th Street East, Tacoma, WA 98424

Tel (253) 922-2310 Fax (253) 922-5047 www.testamericainc.com



Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Manual Integration Summary	6
Sample Summary	12
Method Summary	14
Sample Datasheets	15
Surrogate Summary	60
QC Data Summary	62
Data Qualifiers	71
QC Association Summary	72
Lab Chronicle	75
Reagent Traceability	81
Certification Summary	107
Organic Sample Data	108
GC/MS Semi VOA	108
Method 8270C SIM	108
Method 8270C SIM QC Summary	109
Method 8270C SIM Sample Data	125
Standards Data	250
Method 8270C SIM ICAL Data	250
Method 8270C SIM CCAL Data	307
Raw QC Data	325
Method 8270C SIM Tune Data	325
Method 8270C SIM Blank Data	340
Method 8270C SIM LCS/LCSD Data	346

Table of Contents

Method 8270C SIM Run Logs	361
Method 8270C SIM Prep Data	364
Inorganic Sample Data	367
General Chemistry Data	367
Gen Chem Cover Page	368
Gen Chem Sample Data	370
Gen Chem QC Data	408
Gen Chem ICV/CCV	408
Gen Chem Blanks	410
Gen Chem MS/MSD/PDS	412
Gen Chem Duplicates	414
Gen Chem LCS/LCSD	415
Gen Chem MDL	417
Gen Chem Analysis Run Log	422
Gen Chem Raw Data	425
Gen Chem Prep Data	534
Shipping and Receiving Documents	538
Client Chain of Custody	539
Sample Receipt Checklist	544

CASE NARRATIVE

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

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

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

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

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

RECEIPT

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

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

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

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

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

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

POLYCYCLIC AROMATIC HYDROCARBONS (PAHS)

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

No difficulties were encountered during the PAH analyses.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS - SELECTED ION MODE (SIM)

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

No difficulties were encountered during the SVOC SIM analyses.

All quality control parameters were within the acceptance limits.

PUGET SOUND ESTUARY PROGRAM TOTAL ORGANIC CARBON

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

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

No difficulties were encountered during the PSEP TOC analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

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

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

GRAIN SIZE

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

No difficulties were encountered during the grain size analyses.

All quality control parameters were within the acceptance limits.

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

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

SDG No.: _____

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

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

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

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

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

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

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

SDG No.: _____

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

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

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

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

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

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

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

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

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

SDG No.: _____

Instrument ID: TAC023 Analysis Batch Number: 110125

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

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

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

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

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

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

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

SDG No.: _____

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

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

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

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

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

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

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

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

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

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

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

SDG No.: _____

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

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

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

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

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

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

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

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

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

SDG No.: _____

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

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

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

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

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

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

SAMPLE SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32803-1

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

SAMPLE SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32803-1

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

METHOD SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32803-1

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

Lab References:

TAL BUR = TestAmerica Burlington

TAL SEA = TestAmerica Seattle

Method References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

PSEP = Puget Sound Estuary Program

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

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-1

Client Sample ID: JW-EA58-COMP-120507

Lab Sample ID: 580-32803-7

Date Sampled: 05/07/2012 1510

Client Matrix: Solid

% Moisture: 51.3

Date Received: 05/08/2012 1420

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

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

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

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

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-1

Client Sample ID: JW-EA08-COMP-120507

Lab Sample ID: 580-32803-10

Date Sampled: 05/07/2012 1528

Client Matrix: Solid

% Moisture: 50.8

Date Received: 05/08/2012 1420

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

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

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

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

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-1

Client Sample ID: JW-EA10-COMP-120507

Lab Sample ID: 580-32803-21

Date Sampled: 05/07/2012 1614

Client Matrix: Solid

% Moisture: 37.2

Date Received: 05/08/2012 1420

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

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

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

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

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-1

Client Sample ID: JW-EA01-COMP-120507

Lab Sample ID: 580-32803-46

Date Sampled: 05/07/2012 1739

Client Matrix: Solid

% Moisture: 52.7

Date Received: 05/08/2012 1420

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

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

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

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

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-1

Client Sample ID: JW-EA09-COMP-120507

Lab Sample ID: 580-32803-53

Date Sampled: 05/07/2012 1803

Client Matrix: Solid

% Moisture: 42.1

Date Received: 05/08/2012 1420

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

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

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

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

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-1

Client Sample ID: JW-RB-120507

Lab Sample ID: 580-32803-54

Date Sampled: 05/07/2012 1758

Client Matrix: Water

Date Received: 05/08/2012 1420

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

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

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

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

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-1

Client Sample ID: JW-FB-120507

Lab Sample ID: 580-32803-55

Date Sampled: 05/07/2012 1900

Client Matrix: Water

Date Received: 05/08/2012 1420

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

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

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA58-COMP-120507

Lab Sample ID: 580-32803-7

Date Sampled: 05/07/2012 1510

Client Matrix: Solid

Date Received: 05/08/2012 1420

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA08-COMP-120507

Lab Sample ID: 580-32803-10
 Client Matrix: Solid

Date Sampled: 05/07/2012 1528
 Date Received: 05/08/2012 1420

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA06-COMP-120507

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

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

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA10-SS39-120507

Lab Sample ID: 580-32803-16

Date Sampled: 05/07/2012 1025

Client Matrix: Solid

Date Received: 05/08/2012 1420

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA10-SS41-120507

Lab Sample ID: 580-32803-17

Date Sampled: 05/07/2012 1244

Client Matrix: Solid

Date Received: 05/08/2012 1420

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA10-SS40-120507

Lab Sample ID: 580-32803-18

Date Sampled: 05/07/2012 1234

Client Matrix: Solid

Date Received: 05/08/2012 1420

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA10-SS43-120507

Lab Sample ID: 580-32803-19

Date Sampled: 05/07/2012 1220

Client Matrix: Solid

Date Received: 05/08/2012 1420

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA10-SS42-120507

Lab Sample ID: 580-32803-20

Date Sampled: 05/07/2012 0903

Client Matrix: Solid

Date Received: 05/08/2012 1420

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA10-COMP-120507

Lab Sample ID: 580-32803-21
 Client Matrix: Solid

Date Sampled: 05/07/2012 1614
 Date Received: 05/08/2012 1420

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA07-COMP-120507

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

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

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA03-COMP-120507

Lab Sample ID: 580-32803-30

Date Sampled: 05/07/2012 1653

Client Matrix: Solid

Date Received: 05/08/2012 1420

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA02-COMP-120507

Lab Sample ID: 580-32803-36

Date Sampled: 05/07/2012 1710

Client Matrix: Solid

Date Received: 05/08/2012 1420

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA04-COMP-120507

Lab Sample ID: 580-32803-41

Date Sampled: 05/07/2012 1715

Client Matrix: Solid

Date Received: 05/08/2012 1420

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA01-SS03-120507

Lab Sample ID: 580-32803-42

Date Sampled: 05/07/2012 1510

Client Matrix: Solid

Date Received: 05/08/2012 1420

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA01-SS04-120507

Lab Sample ID: 580-32803-43

Date Sampled: 05/07/2012 1500

Client Matrix: Solid

Date Received: 05/08/2012 1420

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA01-SS01-120507

Lab Sample ID: 580-32803-44
 Client Matrix: Solid

Date Sampled: 05/07/2012 1522
 Date Received: 05/08/2012 1420

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA01-SS02-120507

Lab Sample ID: 580-32803-45

Date Sampled: 05/07/2012 1515

Client Matrix: Solid

Date Received: 05/08/2012 1420

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA01-COMP-120507

Lab Sample ID: 580-32803-46

Date Sampled: 05/07/2012 1739

Client Matrix: Solid

Date Received: 05/08/2012 1420

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

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

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA09-COMP-120507

Lab Sample ID: 580-32803-53

Date Sampled: 05/07/2012 1803

Client Matrix: Solid

Date Received: 05/08/2012 1420

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

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

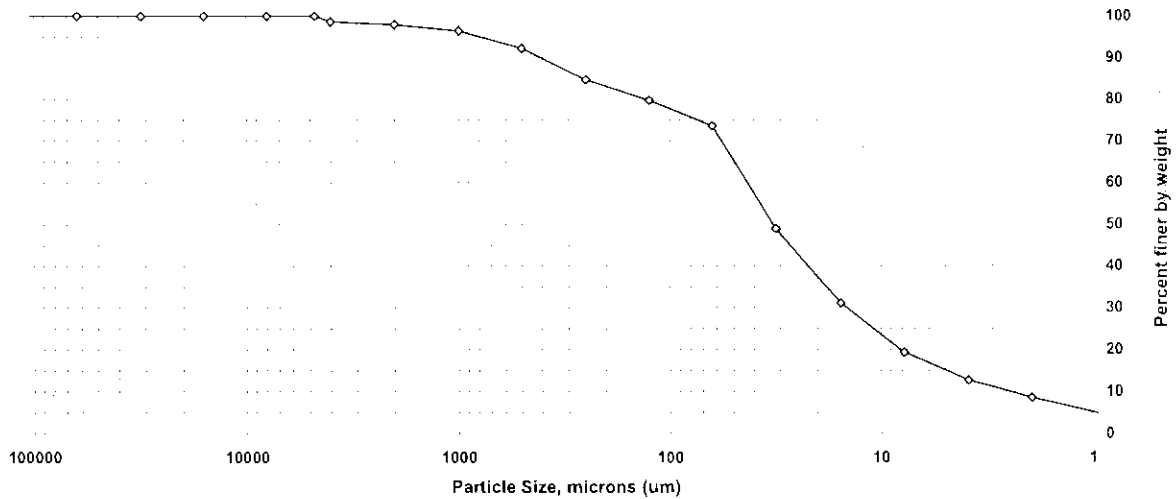


Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 49%
 Specific Gravity: 2.650

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



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

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

Percent finer by weight

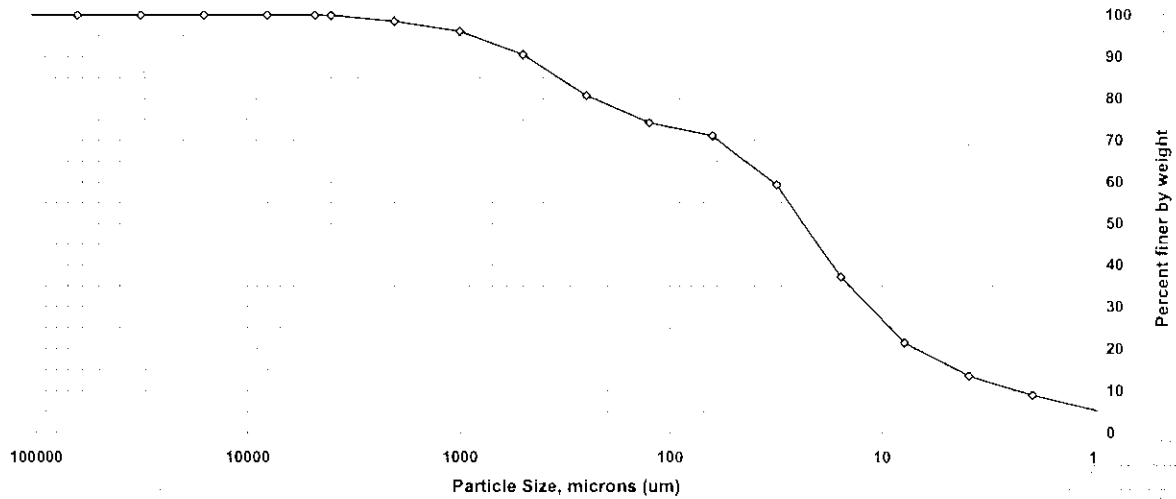
Particle Size, microns (um)

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 49%
 Specific Gravity: 2.650

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



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

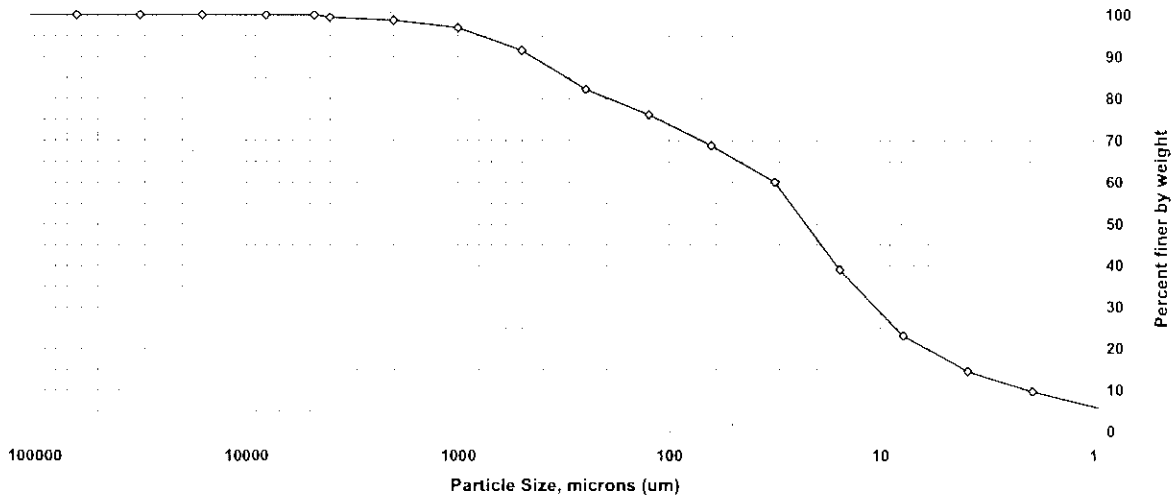
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	1.5
Sand	27.4
Very Coarse Sand	2.4
Coarse Sand	5.5
Medium Sand	9.8
Fine Sand	6.6
Very Fine Sand	3.1
Silt	57.6
Coarse Silt	11.8
Medium Silt	22.1
Fine Silt	15.8
Very Fine Silt	7.8
Clay	13.5
Coarse Clay	4.6
Medium Clay	3.5
Fine Clay	5.5

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 49%
 Specific Gravity: 2.650

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



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

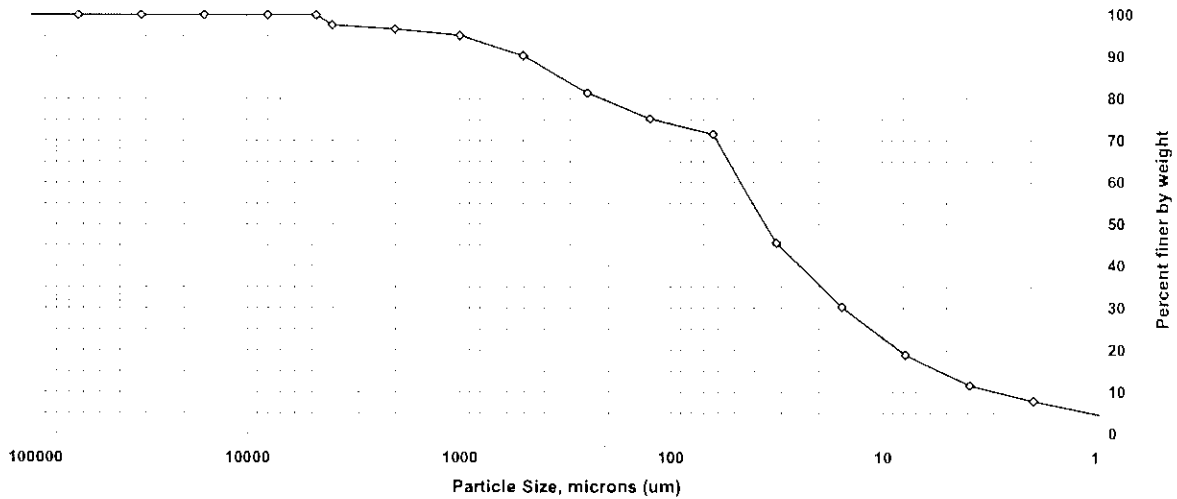
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	1.3
Sand	29.9
Very Coarse Sand	1.7
Coarse Sand	5.4
Medium Sand	9.4
Fine Sand	6.0
Very Fine Sand	7.4
Silt	54.3
Coarse Silt	8.7
Medium Silt	21.1
Fine Silt	15.9
Very Fine Silt	8.6
Clay	14.5
Coarse Clay	4.8
Medium Clay	3.8
Fine Clay	5.9

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 49%
 Specific Gravity: 2.650

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



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

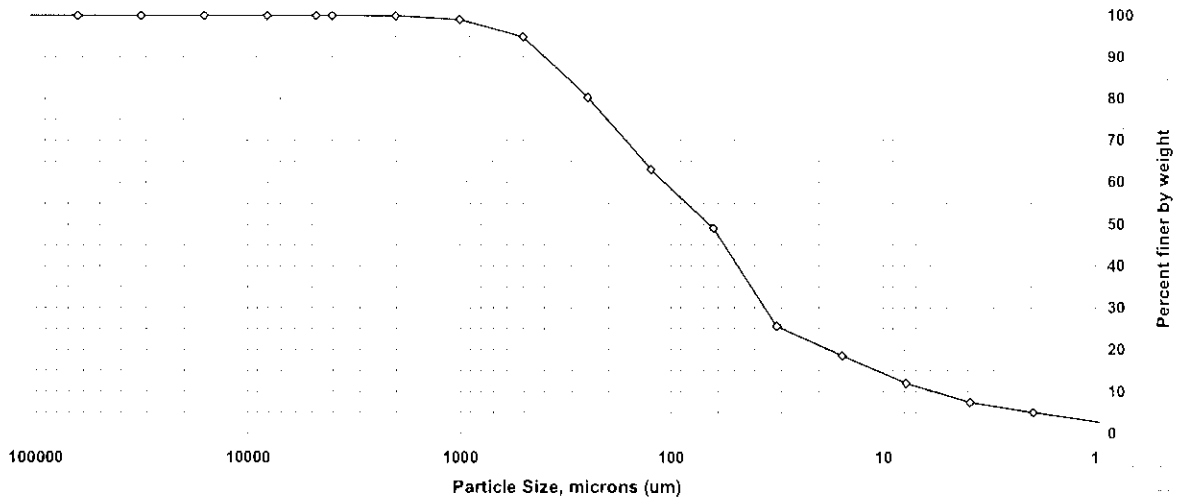
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	3.4
Sand	25
Very Coarse Sand	1.5
Coarse Sand	4.8
Medium Sand	8.9
Fine Sand	6.2
Very Fine Sand	3.7
Silt	60
Coarse Silt	26.0
Medium Silt	15.3
Fine Silt	11.4
Very Fine Silt	7.3
Clay	12
Coarse Clay	3.8
Medium Clay	3.0
Fine Clay	4.8

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 54%
 Specific Gravity: 2.650

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



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

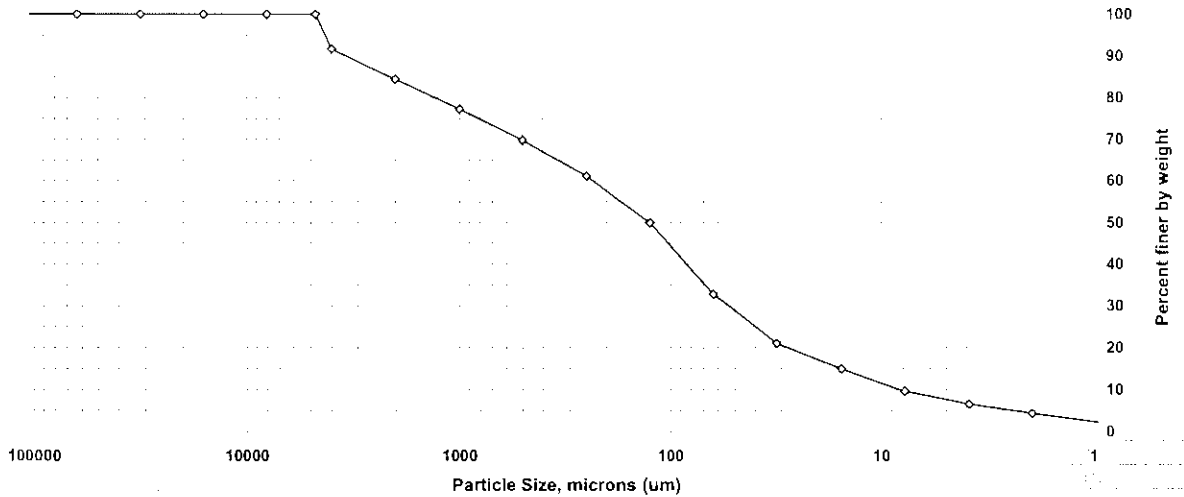
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	0.1
Sand	51
Very Coarse Sand	0.8
Coarse Sand	4.2
Medium Sand	14.6
Fine Sand	17.3
Very Fine Sand	14.0
Silt	42
Coarse Silt	23.4
Medium Silt	7.1
Fine Silt	6.6
Very Fine Silt	4.5
Clay	7.4
Coarse Clay	2.4
Medium Clay	2.2
Fine Clay	2.8

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 62%
 Specific Gravity: 2.650

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



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

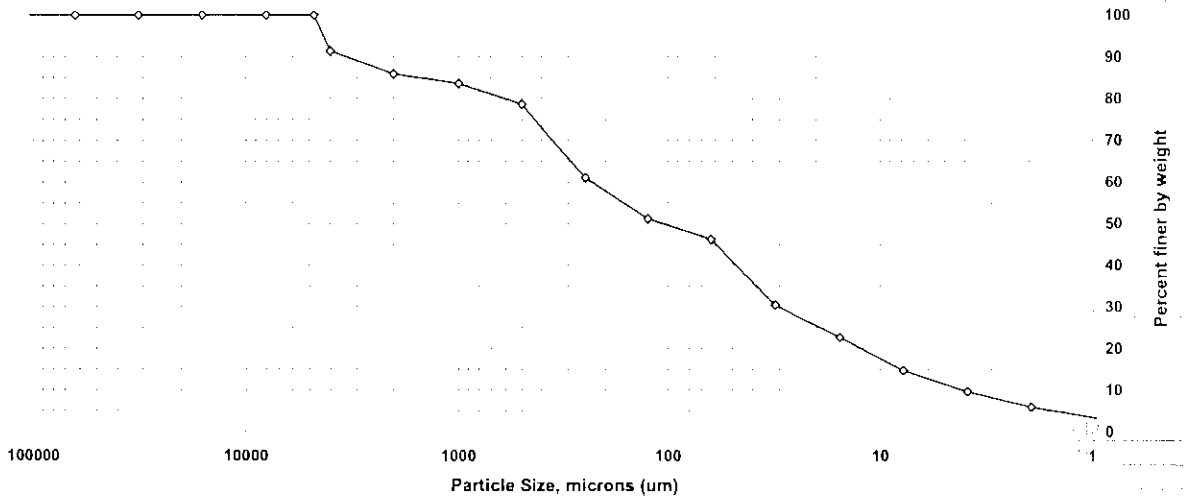
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	16
Sand	52
Very Coarse Sand	7.2
Coarse Sand	7.5
Medium Sand	8.6
Fine Sand	11.3
Very Fine Sand	17.1
Silt	26
Coarse Silt	11.7
Medium Silt	6.1
Fine Silt	5.3
Very Fine Silt	3.1
Clay	6.5
Coarse Clay	2.2
Medium Clay	1.9
Fine Clay	2.4

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 70%
 Specific Gravity: 2.650

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



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

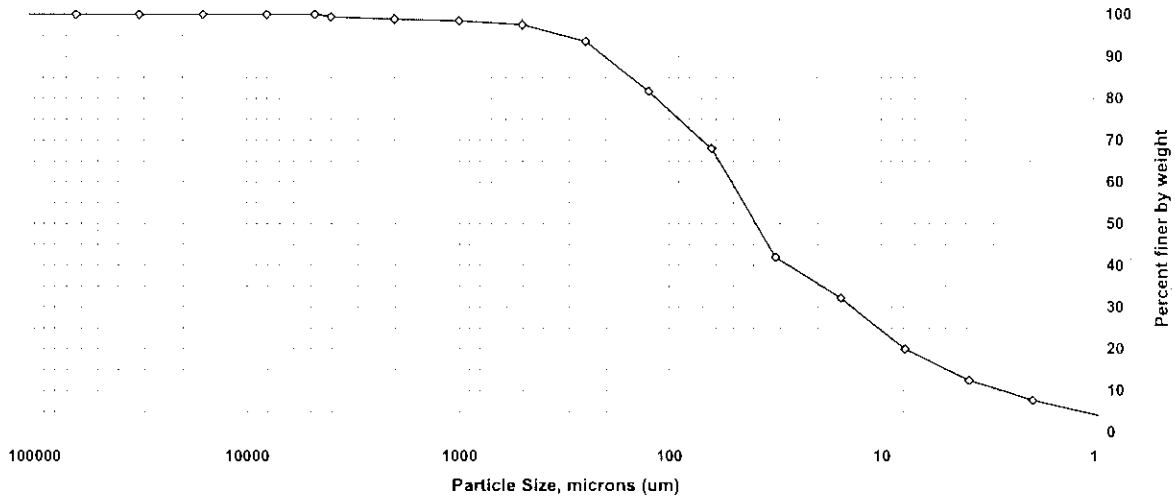
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	14
Sand	40
Very Coarse Sand	2.3
Coarse Sand	5.0
Medium Sand	17.6
Fine Sand	9.8
Very Fine Sand	5.0
Silt	37
Coarse Silt	15.8
Medium Silt	7.8
Fine Silt	7.9
Very Fine Silt	5.1
Clay	9.7
Coarse Clay	3.7
Medium Clay	2.5
Fine Clay	3.5

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 60%
 Specific Gravity: 2.650

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



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

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

Percent finer by weight

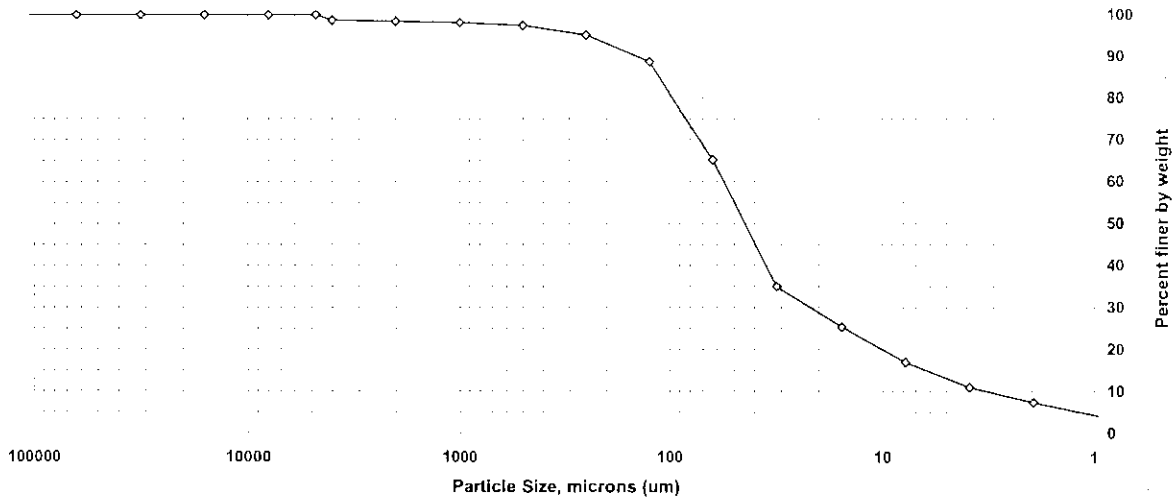
Particle Size, microns (um)

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 61%
 Specific Gravity: 2.650

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



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

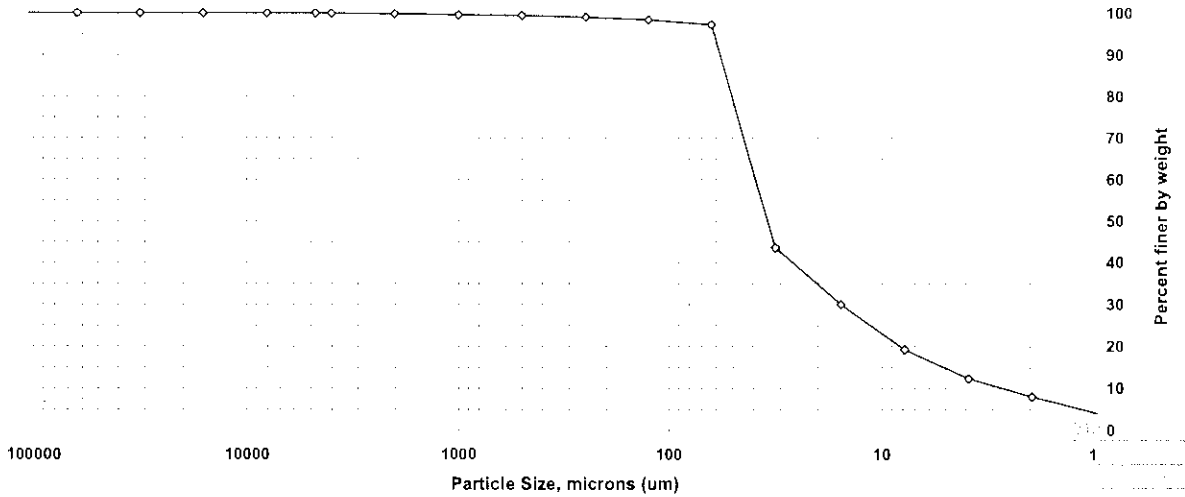
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	1.6
Sand	33
Very Coarse Sand	0.3
Coarse Sand	0.7
Medium Sand	2.3
Fine Sand	6.5
Very Fine Sand	23.4
Silt	54
Coarse Silt	30.3
Medium Silt	9.6
Fine Silt	8.4
Very Fine Silt	6.0
Clay	11
Coarse Clay	3.6
Medium Clay	3.1
Fine Clay	4.2

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 63%
 Specific Gravity: 2.650

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



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

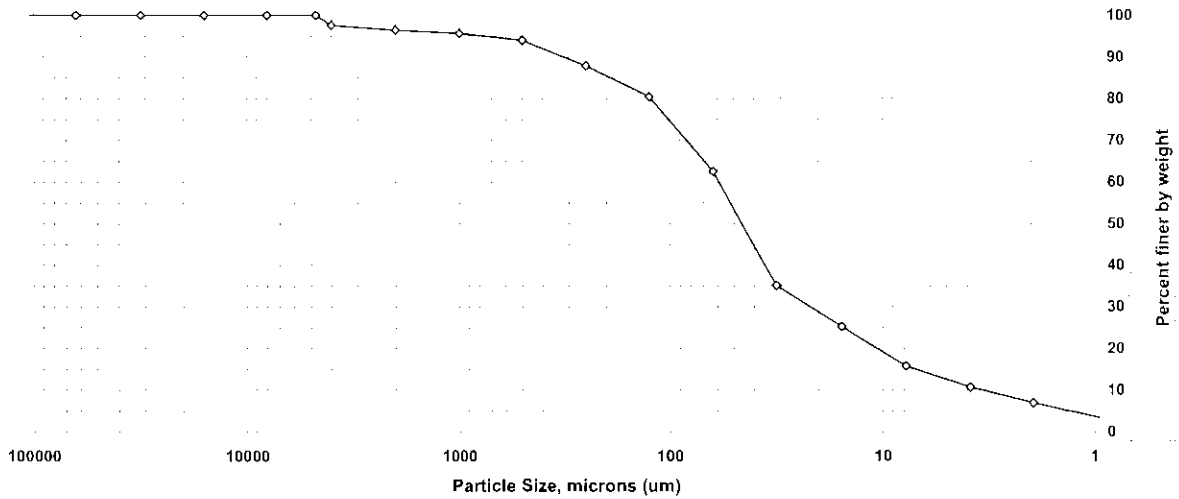
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	0.2
Sand	2.5
Very Coarse Sand	0.2
Coarse Sand	0.2
Medium Sand	0.3
Fine Sand	0.7
Very Fine Sand	1.1
Silt	85
Coarse Silt	53.7
Medium Silt	13.6
Fine Silt	10.8
Very Fine Silt	6.9
Clay	12
Coarse Clay	4.3
Medium Clay	3.8
Fine Clay	4.3

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 63%
 Specific Gravity: 2.650

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



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	97.6	2.4
#10	2000	96.5	1.1
#18	1000	95.7	0.8
#35	500	94.0	1.7
#60	250	87.9	6.1
#120	125	80.4	7.5
#230	63	62.5	17.9
Phi Size 4 to 5	31.42	35.1	27.4
Phi Size 5 to 6	15.6	25.3	9.9
Phi Size 6 to 7	7.8	15.8	9.5
Phi Size 7 to 8	3.9	10.6	5.2
Phi Size 8 to 9	1.95	6.9	3.7
Phi Size 9 to 10	0.98	3.6	3.3
Phi Size 10 to 11	0.49	0.0	3.6
>Phi Size 11	<0.075	0.0	0.0

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

Prepared by: [Name]

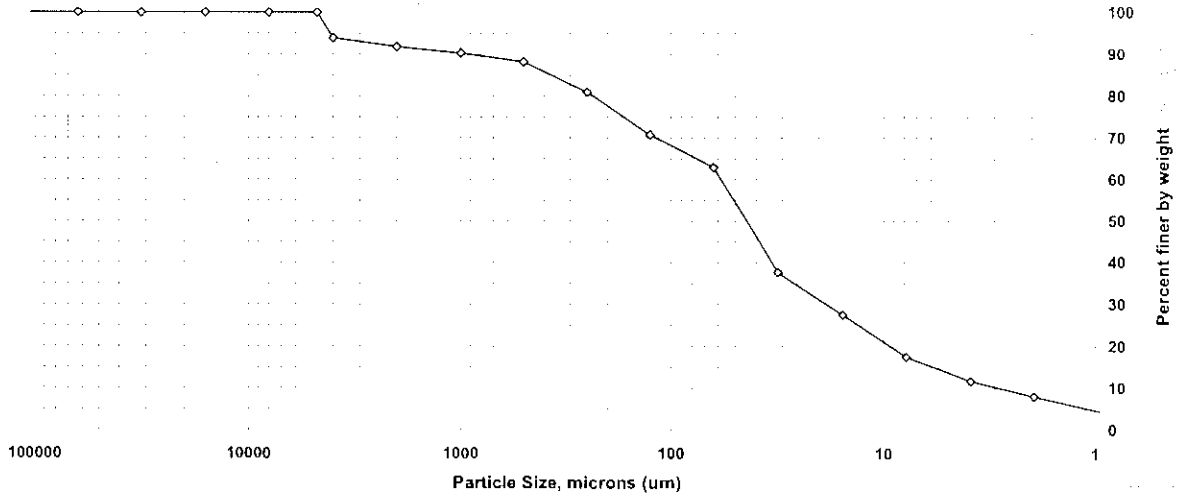
[Name]

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 59%
 Specific Gravity: 2.650

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



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

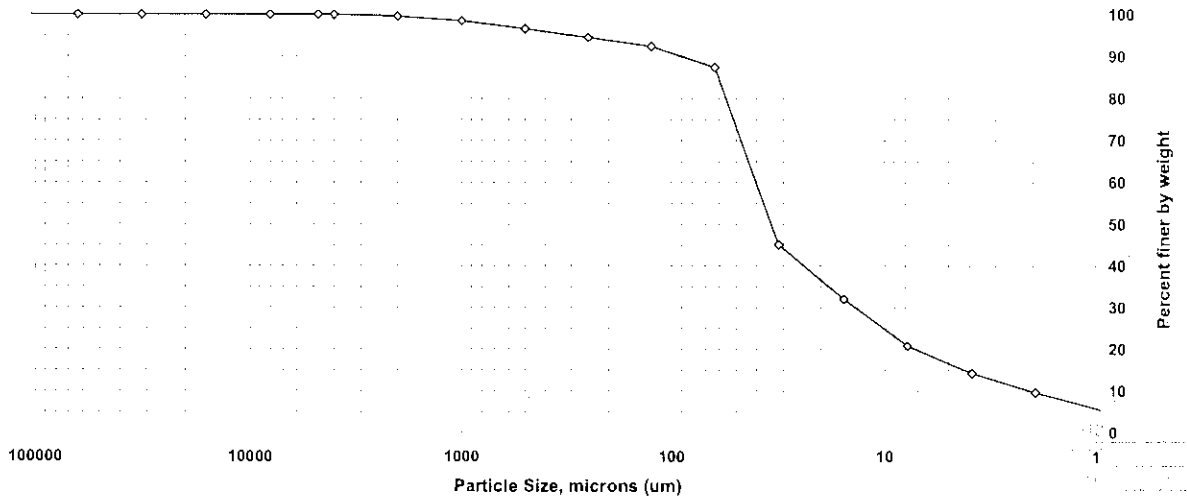
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	8.2
Sand	29
Very Coarse Sand	1.5
Coarse Sand	2.1
Medium Sand	7.3
Fine Sand	10.2
Very Fine Sand	7.8
Silt	51
Coarse Silt	25.2
Medium Silt	10.2
Fine Silt	10.0
Very Fine Silt	5.8
Clay	12
Coarse Clay	3.6
Medium Clay	3.3
Fine Clay	4.7

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 43%
 Specific Gravity: 2.650

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



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

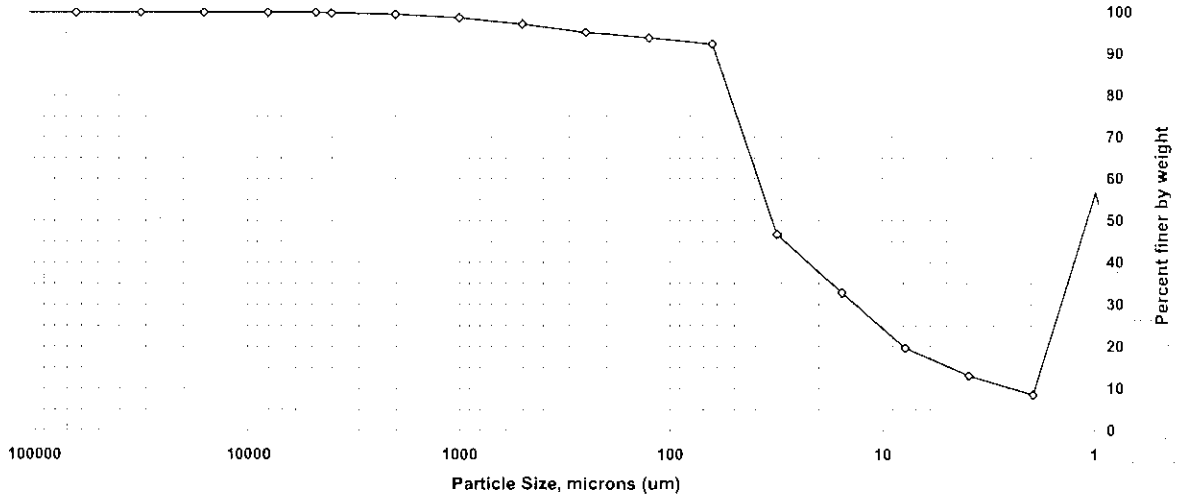
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	0.4
Sand	12
Very Coarse Sand	1.1
Coarse Sand	1.9
Medium Sand	2.1
Fine Sand	2.1
Very Fine Sand	5.0
Silt	73
Coarse Silt	42.3
Medium Silt	13.1
Fine Silt	11.2
Very Fine Silt	6.7
Clay	14
Coarse Clay	4.5
Medium Clay	4.0
Fine Clay	5.7

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 43%
 Specific Gravity: 2.650

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



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	99.8	0.2
#10	2000	99.5	0.3
#18	1000	98.6	0.9
#35	500	97.1	1.5
#60	250	95.2	1.9
#120	125	93.8	1.4
#230	63	92.3	1.5
Phi Size 4 to 5	31.42	46.7	45.6
Phi Size 5 to 6	15.6	32.7	14.0
Phi Size 6 to 7	7.8	19.7	13.0
Phi Size 7 to 8	3.9	13.0	6.7
Phi Size 8 to 9	1.95	8.5	4.4
Phi Size 9 to 10	0.98	56.7	-48.1
Phi Size 10 to 11	0.49	0.0	56.7
>Phi Size 11	<0.075	0.0	0.0

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

Percent finer by weight

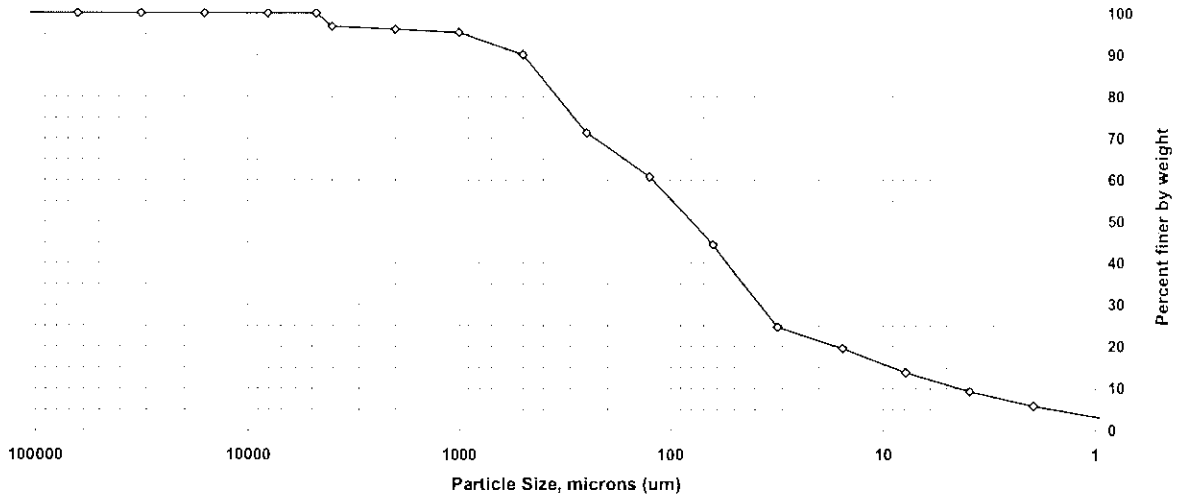
Particle Size, microns (um)

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 65%
 Specific Gravity: 2.650

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

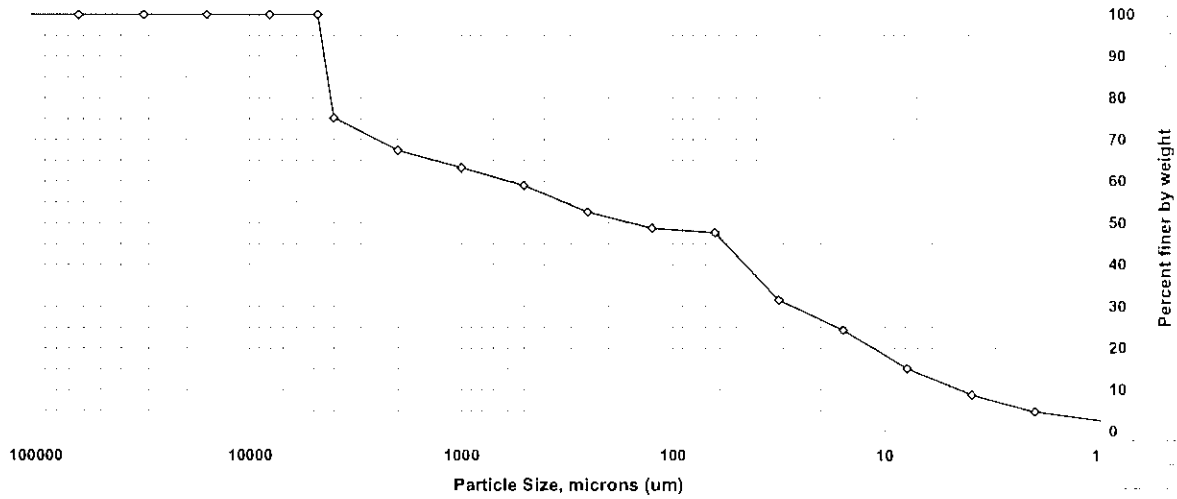


Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 59%
 Specific Gravity: 2.650

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



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	75.2	24.8
#10	2000	67.4	7.8
#18	1000	63.2	4.2
#35	500	58.9	4.3
#60	250	52.6	6.3
#120	125	48.7	3.9
#230	63	47.6	1.1
Phi Size 4 to 5	31.42	31.5	16.1
Phi Size 5 to 6	15.6	24.3	7.2
Phi Size 6 to 7	7.8	15.0	9.3
Phi Size 7 to 8	3.9	8.8	6.3
Phi Size 8 to 9	1.95	4.8	4.0
Phi Size 9 to 10	0.98	2.7	2.1
Phi Size 10 to 11	0.49	0.0	2.7
>Phi Size 11	<0.25	0.0	0.0

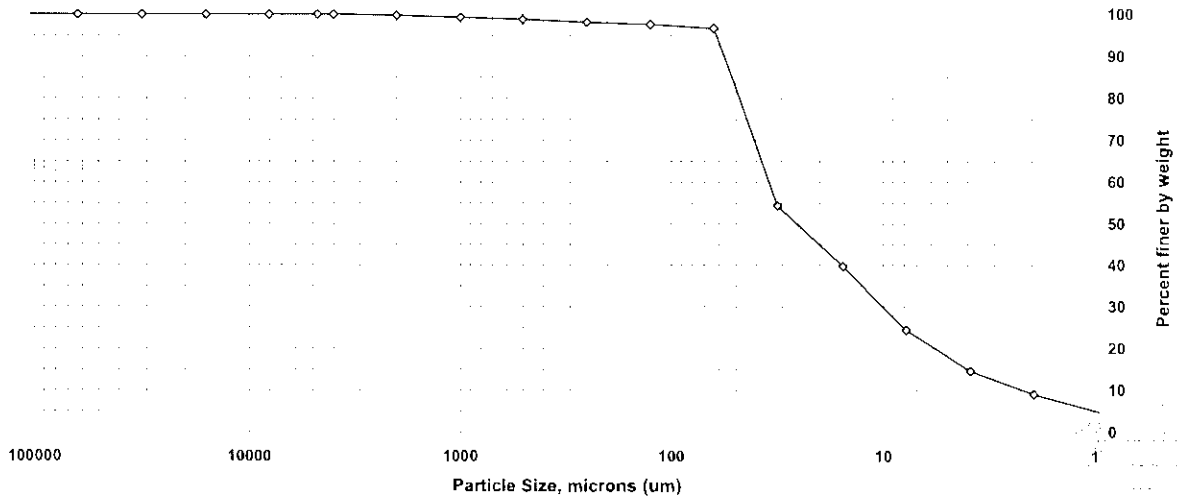
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	33
Sand	20
Very Coarse Sand	4.2
Coarse Sand	4.3
Medium Sand	6.3
Fine Sand	3.9
Very Fine Sand	1.1
Silt	39
Coarse Silt	16.1
Medium Silt	7.2
Fine Silt	9.3
Very Fine Silt	6.3
Clay	8.8
Coarse Clay	4.0
Medium Clay	2.1
Fine Clay	2.7

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 49%
 Specific Gravity: 2.650

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



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

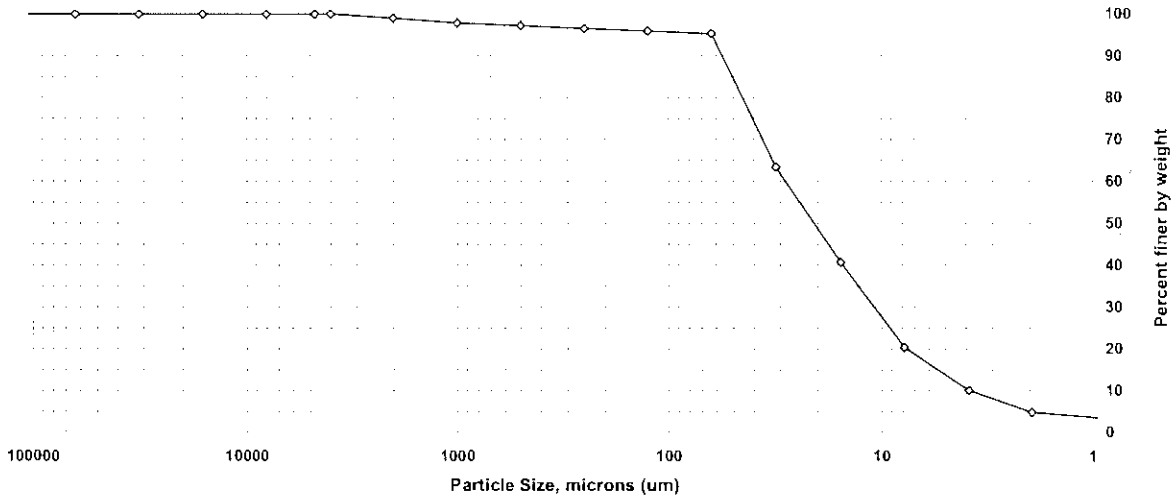
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	0.3
Sand	3.0
Very Coarse Sand	0.4
Coarse Sand	0.5
Medium Sand	0.7
Fine Sand	0.5
Very Fine Sand	0.9
Silt	82
Coarse Silt	42.4
Medium Silt	14.6
Fine Silt	15.3
Very Fine Silt	9.8
Clay	15
Coarse Clay	5.5
Medium Clay	4.1
Fine Clay	5.0

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 38%
 Specific Gravity: 2.650

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



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

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

Percent finer by weight

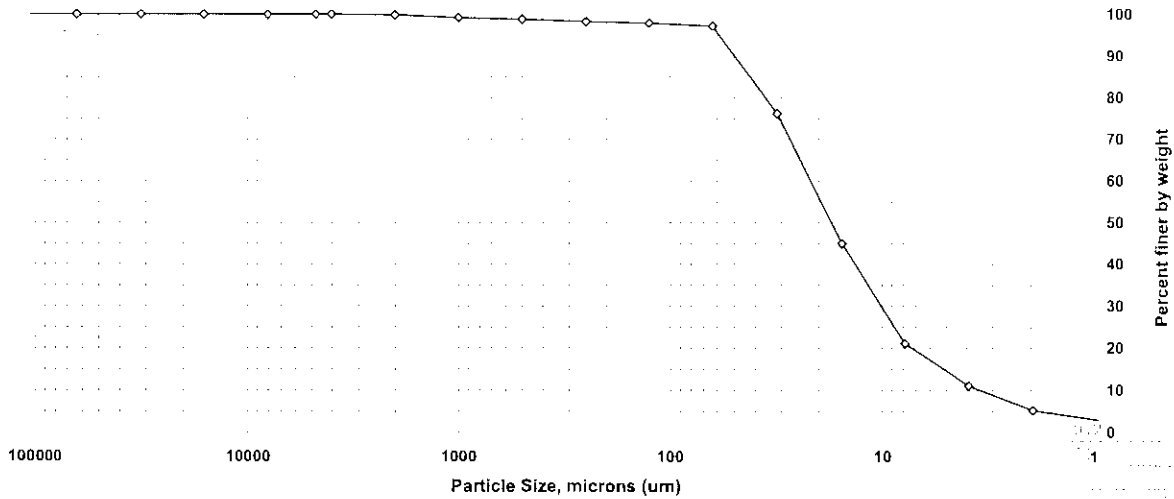
Particle Size, um

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 38%
 Specific Gravity: 2.650

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



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

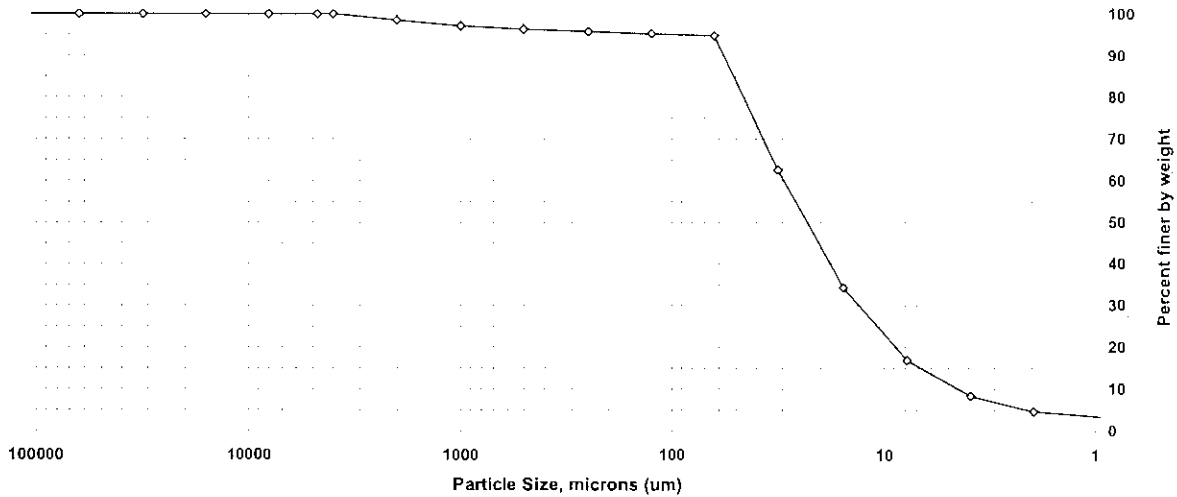
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	0.2
Sand	2.6
Very Coarse Sand	0.6
Coarse Sand	0.4
Medium Sand	0.5
Fine Sand	0.4
Very Fine Sand	0.7
Silt	86.1
Coarse Silt	21.0
Medium Silt	31.3
Fine Silt	23.9
Very Fine Silt	10.0
Clay	11.1
Coarse Clay	5.9
Medium Clay	2.1
Fine Clay	3.1

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 38%
 Specific Gravity: 2.650

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



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

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

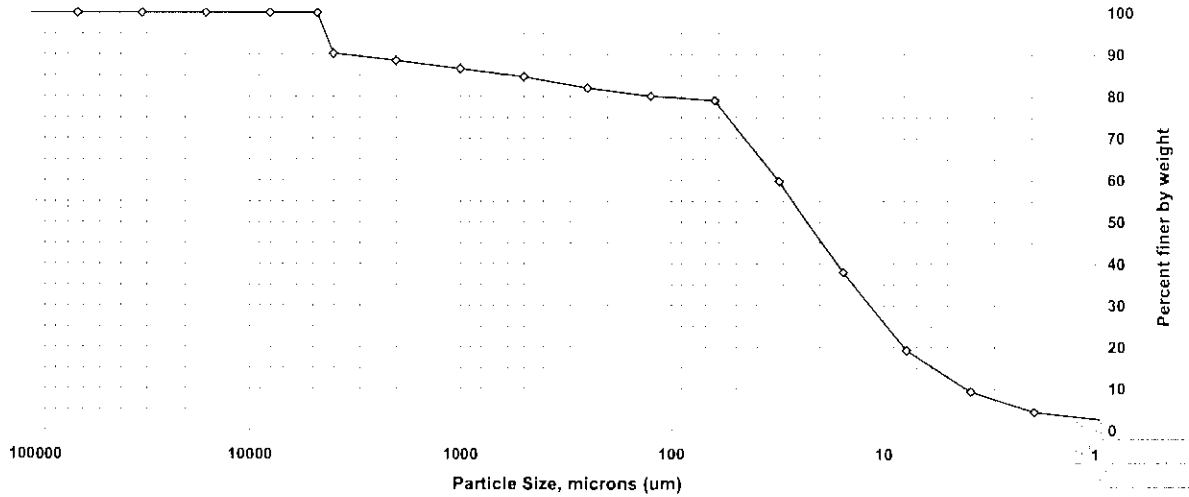
Percent finer by weight

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 47%
 Specific Gravity: 2.650

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



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

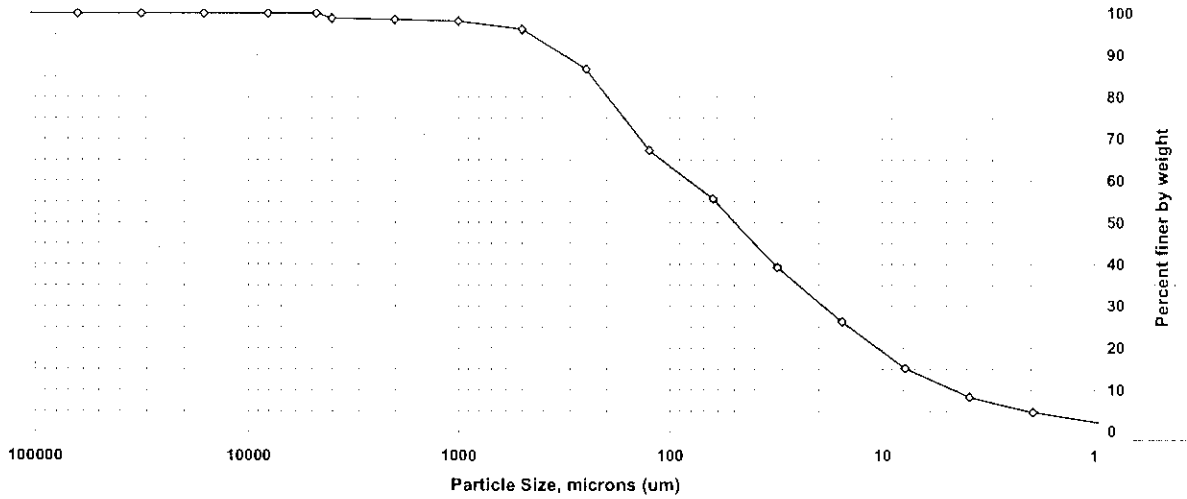
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	12
Sand	9.5
Very Coarse Sand	1.9
Coarse Sand	1.9
Medium Sand	2.7
Fine Sand	1.9
Very Fine Sand	1.1
Silt	70
Coarse Silt	19.3
Medium Silt	21.7
Fine Silt	18.8
Very Fine Silt	9.9
Clay	9.3
Coarse Clay	4.9
Medium Clay	1.6
Fine Clay	2.8

Particle Size of Sediments by PSEP/Plumb 1981

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

Percent Solids: 58%
 Specific Gravity: 2.650

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



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

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

Percent finer by weight

Particle Size, microns (um)

Client: Anchor QEA LLC

Job Number: 580-32803-1

Surrogate Recovery Report

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

Client Matrix: Solid

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

Surrogate	Acceptance Limits
TPH = Terphenyl-d14	42-151

Client: Anchor QEA LLC

Job Number: 580-32803-1

Surrogate Recovery Report

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

Client Matrix: Water

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

Surrogate	Acceptance Limits
TPH = Terphenyl-d14	20-150

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Method Blank - Batch: 580-111171

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

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

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

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

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

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

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

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

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

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

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

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

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

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

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

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

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

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Method Blank - Batch: 580-111684

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

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

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

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

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

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

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Lab Control Sample - Batch: 580-111684

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

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

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

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Method Blank - Batch: 580-113143

Method: 9060_PSEP

Preparation: N/A

Lab Sample ID:	MB 580-113143/3	Analysis Batch:	580-113143	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	06/08/2012 1321	Units:	mg/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		610	2000

Lab Control Sample - Batch: 580-113143

Method: 9060_PSEP

Preparation: N/A

Lab Sample ID:	LCS 580-113143/4	Analysis Batch:	580-113143	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	06/08/2012 1323	Units:	mg/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

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

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 580-113143

Method: 9060_PSEP

Preparation: N/A

MS Lab Sample ID:	580-32803-7	Analysis Batch:	580-113143	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.1097 g
Analysis Date:	06/08/2012 1339			Final Weight/Volume:	0.1097 g
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	580-32803-7	Analysis Batch:	580-113143	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.1065 g
Analysis Date:	06/11/2012 2005			Final Weight/Volume:	0.1065 g
Prep Date:	N/A				
Leach Date:	N/A				

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

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

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

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

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

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

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

Duplicate - Batch: 580-113143

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

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

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

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

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

Duplicate - Batch: 580-113143

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

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

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

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

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

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Duplicate - Batch: 580-111368

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

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

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

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Method Blank - Batch: 200-39474

Method: Lloyd Kahn

Preparation: N/A

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

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

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

Analyte	Result	Qual	RL	RL
Black Carbon	ND		1000	1000

Lab Control Sample - Batch: 200-39474

Method: Lloyd Kahn

Preparation: N/A

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

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

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

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

DATA REPORTING QUALIFIERS

Client: Anchor QEA LLC

Job Number: 580-32803-1

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

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

QC Association Summary

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

Report Basis

T = Total

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

QC Association Summary

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

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

QC Association Summary

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

Report Basis

T = Total

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Laboratory Chronicle

Lab ID: 580-32803-7

Client ID: JW-EA58-COMP-120507

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

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

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

Lab ID: 580-32803-7 MS

Client ID: JW-EA58-COMP-120507

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

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

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

Lab ID: 580-32803-7 MSD

Client ID: JW-EA58-COMP-120507

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

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

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

Lab ID: 580-32803-7 DU

Client ID: JW-EA58-COMP-120507

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

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

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

Lab ID: 580-32803-10

Client ID: JW-EA08-COMP-120507

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

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

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

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Laboratory Chronicle

Lab ID: 580-32803-15

Client ID: JW-EA06-COMP-120507

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

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

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

Lab ID: 580-32803-16

Client ID: JW-EA10-SS39-120507

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

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

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

Lab ID: 580-32803-17

Client ID: JW-EA10-SS41-120507

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

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

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

Lab ID: 580-32803-18

Client ID: JW-EA10-SS40-120507

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

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

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

Lab ID: 580-32803-19

Client ID: JW-EA10-SS43-120507

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

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

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

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Laboratory Chronicle

Lab ID: 580-32803-20

Client ID: JW-EA10-SS42-120507

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

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

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

Lab ID: 580-32803-21

Client ID: JW-EA10-COMP-120507

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

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

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

Lab ID: 580-32803-26

Client ID: JW-EA07-COMP-120507

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

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

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

Lab ID: 580-32803-30

Client ID: JW-EA03-COMP-120507

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

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

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

Lab ID: 580-32803-36

Client ID: JW-EA02-COMP-120507

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

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

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

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Laboratory Chronicle

Lab ID: 580-32803-41

Client ID: JW-EA04-COMP-120507

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

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

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

Lab ID: 580-32803-42

Client ID: JW-EA01-SS03-120507

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

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

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

Lab ID: 580-32803-43

Client ID: JW-EA01-SS04-120507

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

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

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

Lab ID: 580-32803-44

Client ID: JW-EA01-SS01-120507

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

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

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

Lab ID: 580-32803-45

Client ID: JW-EA01-SS02-120507

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

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

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

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Laboratory Chronicle

Lab ID: 580-32803-46

Client ID: JW-EA01-COMP-120507

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

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

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

Lab ID: 580-32803-53

Client ID: JW-EA09-COMP-120507

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

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

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

Lab ID: 580-32803-54

Client ID: JW-RB-120507

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

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

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

Lab ID: 580-32803-55

Client ID: JW-FB-120507

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

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

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

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

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

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

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

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

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

Lab References:

TAL BUR = TestAmerica Burlington

TAL SEA = TestAmerica Seattle

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl phenyl ether	20.04 ug/mL
							4-Chloro-3-methylphenol	20.02 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20.04 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	100.208 ug/mL
							Acenaphthene	20.02 ug/mL
							Acenaphthylene	19.982 ug/mL
							Aniline	20 ug/mL
							Anthracene	19.998 ug/mL
							Azobenzene	19.958 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	19.998 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	19.998 ug/mL
							Benzo[k]fluoranthene	20.02 ug/mL
							Benzofluoranthene	39.542 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20.02 ug/mL
							Bis(2-chloroethyl)ether	20.1 ug/mL
							Bis(2-ethylhexyl) phthalate	20.12 ug/mL
							Butyl benzyl phthalate	20.06 ug/mL
							Carbazole	19.988 ug/mL
							Chrysene	19.994 ug/mL
							Di-n-butyl phthalate	19.998 ug/mL
							Di-n-octyl phthalate	20.02 ug/mL
							Dibenz(a,h)anthracene	19.976 ug/mL
							Dibenzofuran	20.08 ug/mL
							Diethyl phthalate	20.04 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20.04 ug/mL
							Fluorene	20.06 ug/mL
							Hexachlorobenzene	20.04 ug/mL
							Hexachlorobutadiene	20.02 ug/mL
							Hexachlorocyclopentadiene	19.954 ug/mL
							Hexachloroethane	20.04 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20.04 ug/mL
							N-Nitrosodi-n-propylamine	19.95 ug/mL
							N-Nitrosodimethylamine	100.354 ug/mL
							N-Nitrosodiphenylamine	19.958 ug/mL
							Naphthalene	19.998 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	19.972 ug/mL
							Phenanthrene	19.996 ug/mL
Phenol	19.97 ug/mL							
Pyrene	20.02 ug/mL							
Pyridine	100.26 ug/mL							
..8270ICVBZD_00016	04/11/14		o2si, Lot 186397		(Purchased Reagent)		3,3'-Dichlorobenzidine	2004 ug/mL
							Benzydine	06/19/2012

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	999.9 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	999.9 ug/mL
							Benzo[k]fluoranthene	1001 ug/mL
							Benzofluoranthene	1977.1 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1001 ug/mL
							Bis(2-chloroethyl)ether	1005 ug/mL
							Bis(2-ethylhexyl) phthalate	1006 ug/mL
							Butyl benzyl phthalate	1003 ug/mL
							Carbazole	999.4 ug/mL
							Chrysene	999.7 ug/mL
							Di-n-butyl phthalate	999.9 ug/mL
							Di-n-octyl phthalate	1001 ug/mL
							Dibenz(a,h)anthracene	998.8 ug/mL
							Dibenzofuran	1004 ug/mL
							Diethyl phthalate	1002 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1002 ug/mL
							Fluorene	1003 ug/mL
							Hexachlorobenzene	1002 ug/mL
							Hexachlorobutadiene	1001 ug/mL
							Hexachlorocyclopentadiene	997.7 ug/mL
							Hexachloroethane	1002 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1002 ug/mL
							N-Nitrosodi-n-propylamine	997.5 ug/mL
							N-Nitrosodimethylamine	997.7 ug/mL
							N-Nitrosodiphenylamine	997.9 ug/mL
							Naphthalene	999.9 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	998.6 ug/mL
							Phenanthrene	999.8 ug/mL
							Phenol	998.5 ug/mL
							Pyrene	1001 ug/mL
							Pyridine	1000 ug/mL
8270Surr_00043	04/30/13		Ultra, Lot CG-1103			(Purchased Reagent)	2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	100 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	100 ug/mL
CaCO3_00002	06/02/17		ACROS, Lot A0311356			(Purchased Reagent)	Total Organic Carbon	12 g
IC_SIM_IS_10_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	1 uL	1-Methylnaphthalene	10 ug/L
							2-Methylnaphthalene	10 ug/L
							Acenaphthene	10 ug/L
							Acenaphthylene	10 ug/L
							Anthracene	10 ug/L
							Benzo[a]anthracene	06/19/2012

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
							2,4,6-Tribromophenol	98.475 ug/L					
							2-Fluorobiphenyl	98.6 ug/L					
							Nitrobenzene-d5	98.4 ug/L					
							Terphenyl-d14	97 ug/L					
					8270SIM_IS_00005	100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L					
							Acenaphthene-d10	98 ug/L					
							Chrysene-d12	98.05 ug/L					
							Naphthalene-d8	95.2 ug/L					
							Perylene-d12	98.9 ug/L					
							Phenanthrene-d10	97.95 ug/L					
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L					
							2-Methylnaphthalene	100000 ug/L					
							Acenaphthene	100000 ug/L					
							Acenaphthylene	100000 ug/L					
							Anthracene	100000 ug/L					
							Benzo[a]anthracene	100000 ug/L					
							Benzo[a]pyrene	100000 ug/L					
							Benzo[b]fluoranthene	100000 ug/L					
							Benzo[g,h,i]perylene	100000 ug/L					
							Benzo[k]fluoranthene	100000 ug/L					
							Chrysene	100000 ug/L					
							Dibenz(a,h)anthracene	100000 ug/L					
							Fluoranthene	100000 ug/L					
							Fluorene	100000 ug/L					
							Indeno[1,2,3-cd]pyrene	100000 ug/L					
							Naphthalene	100000 ug/L					
							Pentachlorophenol	100000 ug/L					
							Phenanthrene	100000 ug/L					
					Pyrene	100000 ug/L							
										8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L
												2-Fluorobiphenyl	98600 ug/L
Nitrobenzene-d5	98400 ug/L												
Terphenyl-d14	97000 ug/L												
..8270msstk_00023	07/31/12		Restek, Lot A079604				(Purchased Reagent)						
							1-Methylnaphthalene	1000 ug/mL					
							2-Methylnaphthalene	1000 ug/mL					
							Acenaphthene	1000 ug/mL					
							Acenaphthylene	1000 ug/mL					
							Anthracene	1000 ug/mL					
							Benzo[a]anthracene	1000 ug/mL					
							Benzo[a]pyrene	1000 ug/mL					
							Benzo[b]fluoranthene	1000 ug/mL					
							Benzo[g,h,i]perylene	1000 ug/mL					
							Benzo[k]fluoranthene	1000 ug/mL					
							Chrysene	1000 ug/mL					
							Dibenz(a,h)anthracene	1000 ug/mL					
							Fluoranthene	1000 ug/mL					
							Fluorene	1000 ug/mL					
							Indeno[1,2,3-cd]pyrene	1000 ug/mL					
							Naphthalene	1000 ug/mL					
Pentachlorophenol	1000 ug/mL												

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Pentachlorophenol	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
					8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
..8270msstk_00023	07/31/12		Restek, Lot A079604		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690		(Purchased Reagent)		2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	9.197 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Pentachlorophenol	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
					8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
..8270mstsk_00023	07/31/12		Restek, Lot A079604			(Purchased Reagent)	1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690			(Purchased Reagent)	2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352			(Purchased Reagent)	1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1977 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

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

REAGENT TRACEABILITY SUMMARY

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

SDG No.: _____

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

Certification Summary

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

TestAmerica Job ID: 580-32803-1

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

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

Method 8270C SIM

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

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

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

SDG No.: _____

Matrix: Solid Level: Low

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

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

TPH = Terphenyl-d14

QC LIMITS
42-151

Column to be used to flag recovery values

FORM II 8270C SIM

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

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

SDG No.: _____

Matrix: Water Level: Low

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

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

TPH = Terphenyl-d14

QC LIMITS
20-150

Column to be used to flag recovery values

FORM II 8270C SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

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

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

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

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

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

Column to be used to flag recovery and RPD values

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

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

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

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

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

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

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

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

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

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

1-Value is % mass 69

2-Value is % mass 442

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

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

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

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

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

1-Value is % mass 69

2-Value is % mass 442

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

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

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

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

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

1-Value is % mass 69

2-Value is % mass 442

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

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

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

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

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

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

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

Column used to flag values outside QC limits

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

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

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

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

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

Column used to flag values outside QC limits

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

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

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

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

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

Column used to flag values outside QC limits

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

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

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

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

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

Column used to flag values outside QC limits

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

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

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

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

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

Column used to flag values outside QC limits

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

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

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

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

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

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

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

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

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

TestAmerica Laboratories
Target Compound Quantitation Report

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

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

First Level Reviewer: tadesseb

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

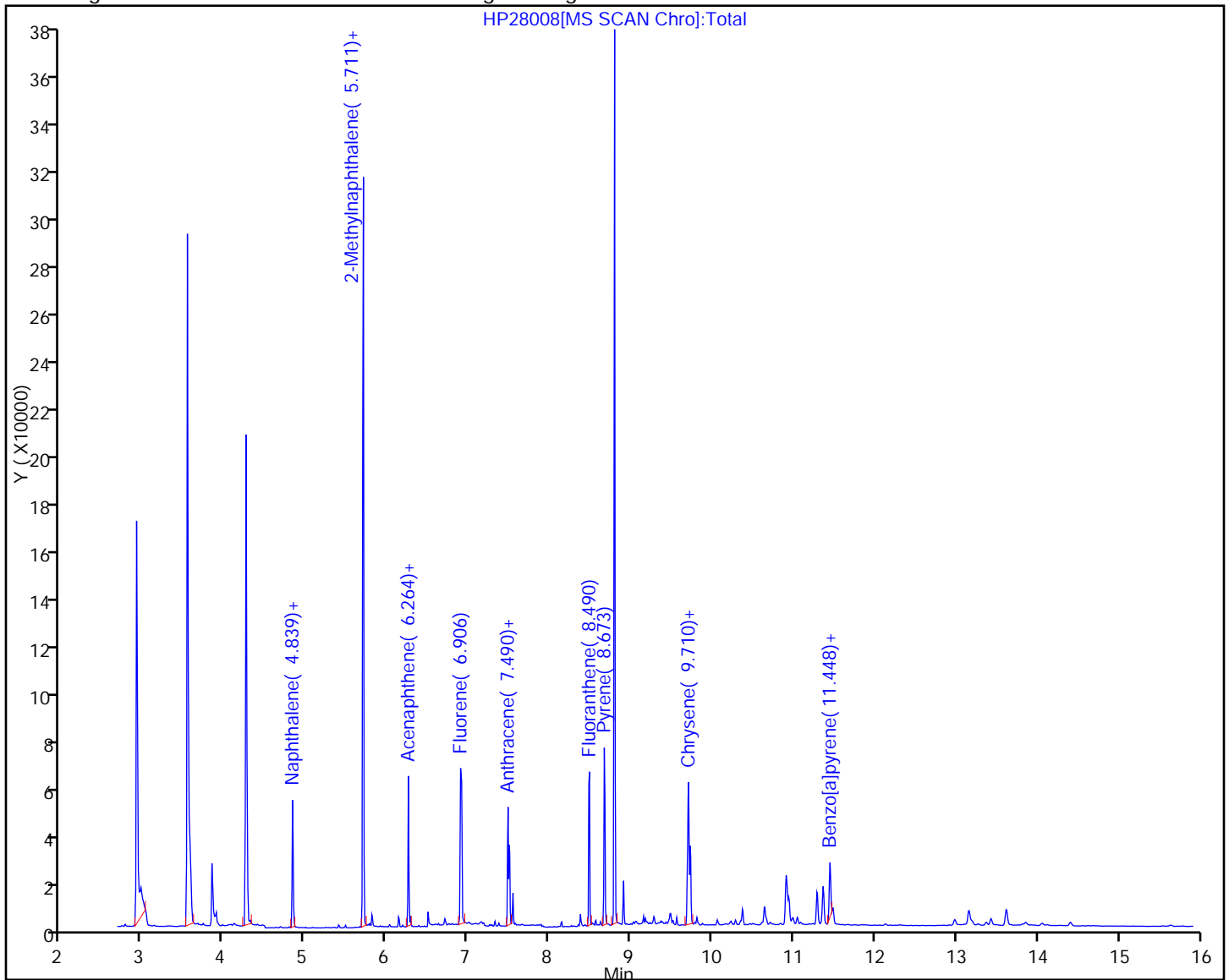
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.848	3.859	-0.011	1	16925	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	44319	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	24485	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	38140	98.0	
* 5 Chrysene-d12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

QC Flag Legend

Review Flags

M - Manually Integrated

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



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

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

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

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

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA58-COMP-120507

Instrument ID: TAC023

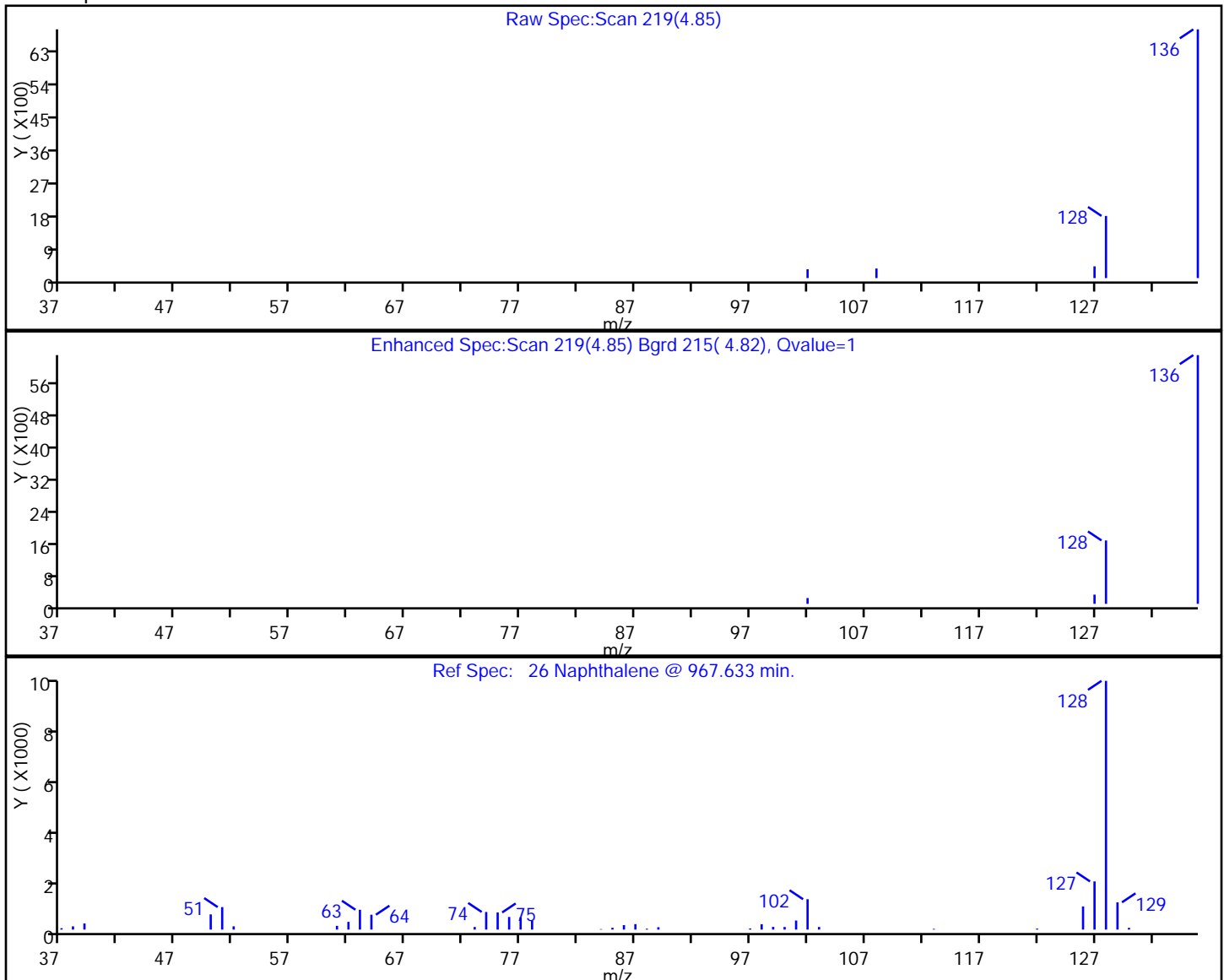
Lims Batch ID: 112072

Lims Sample ID: 5

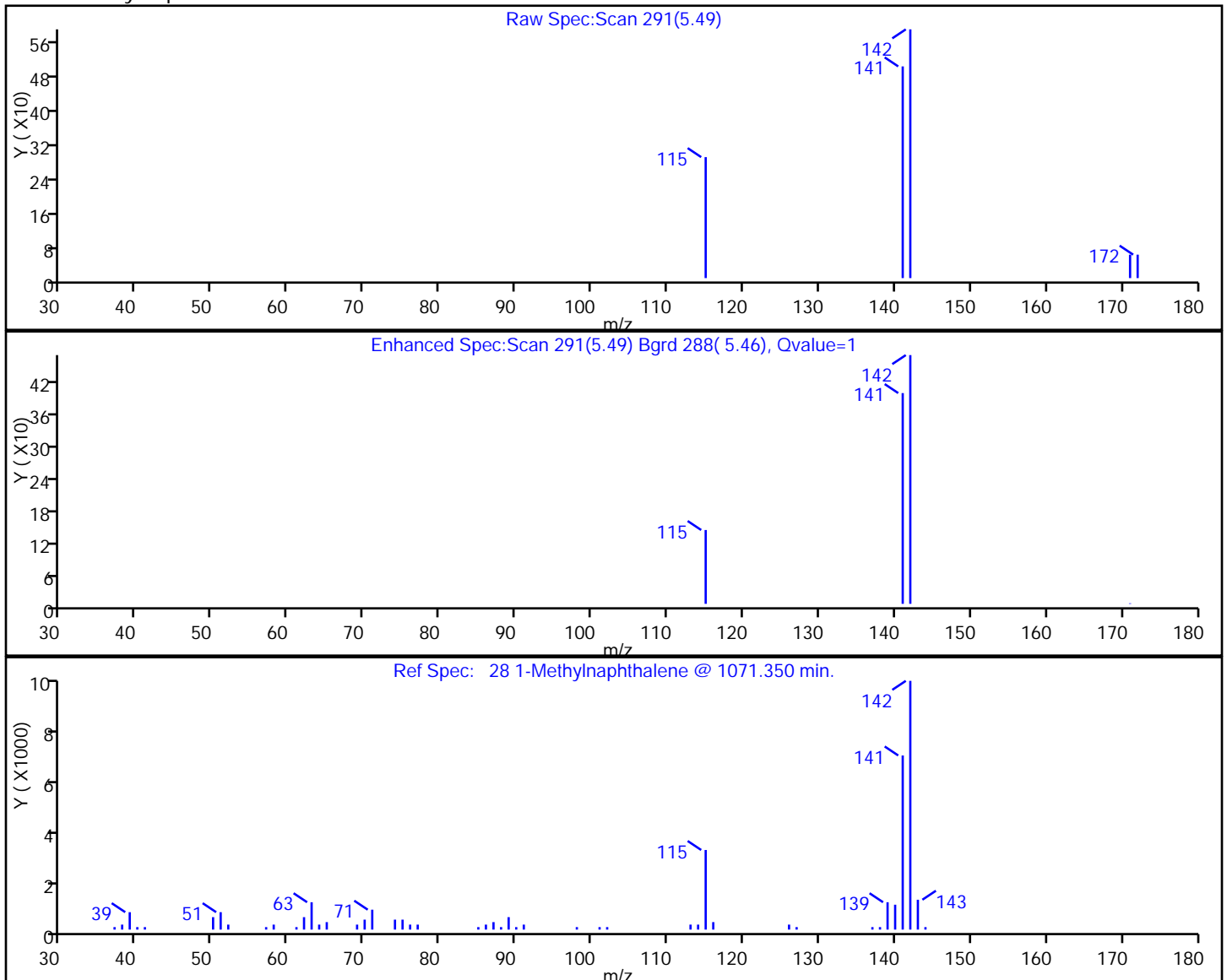
Operator ID: bat

Injection Vol: 1.00 ul

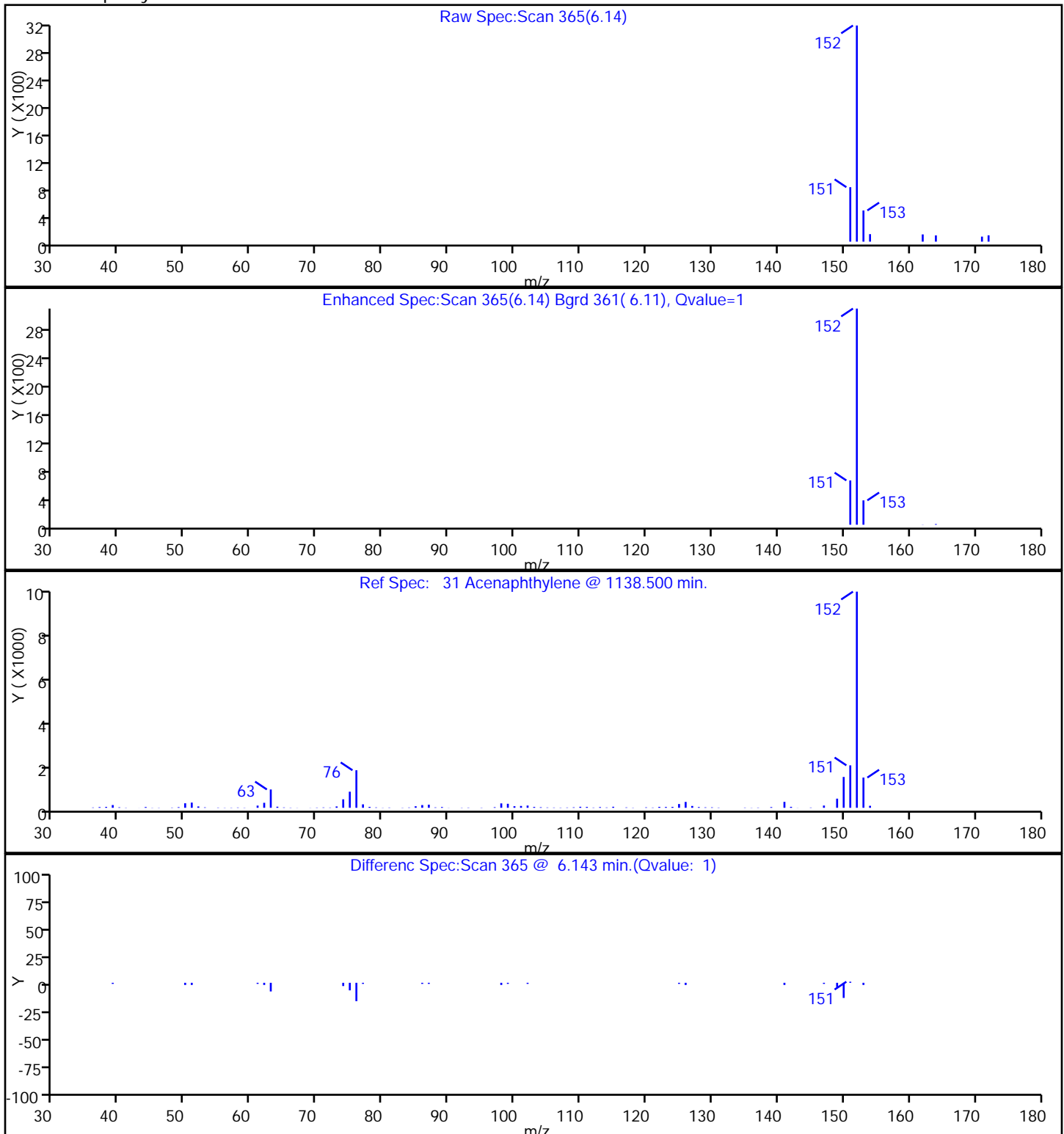
26 Naphthalene



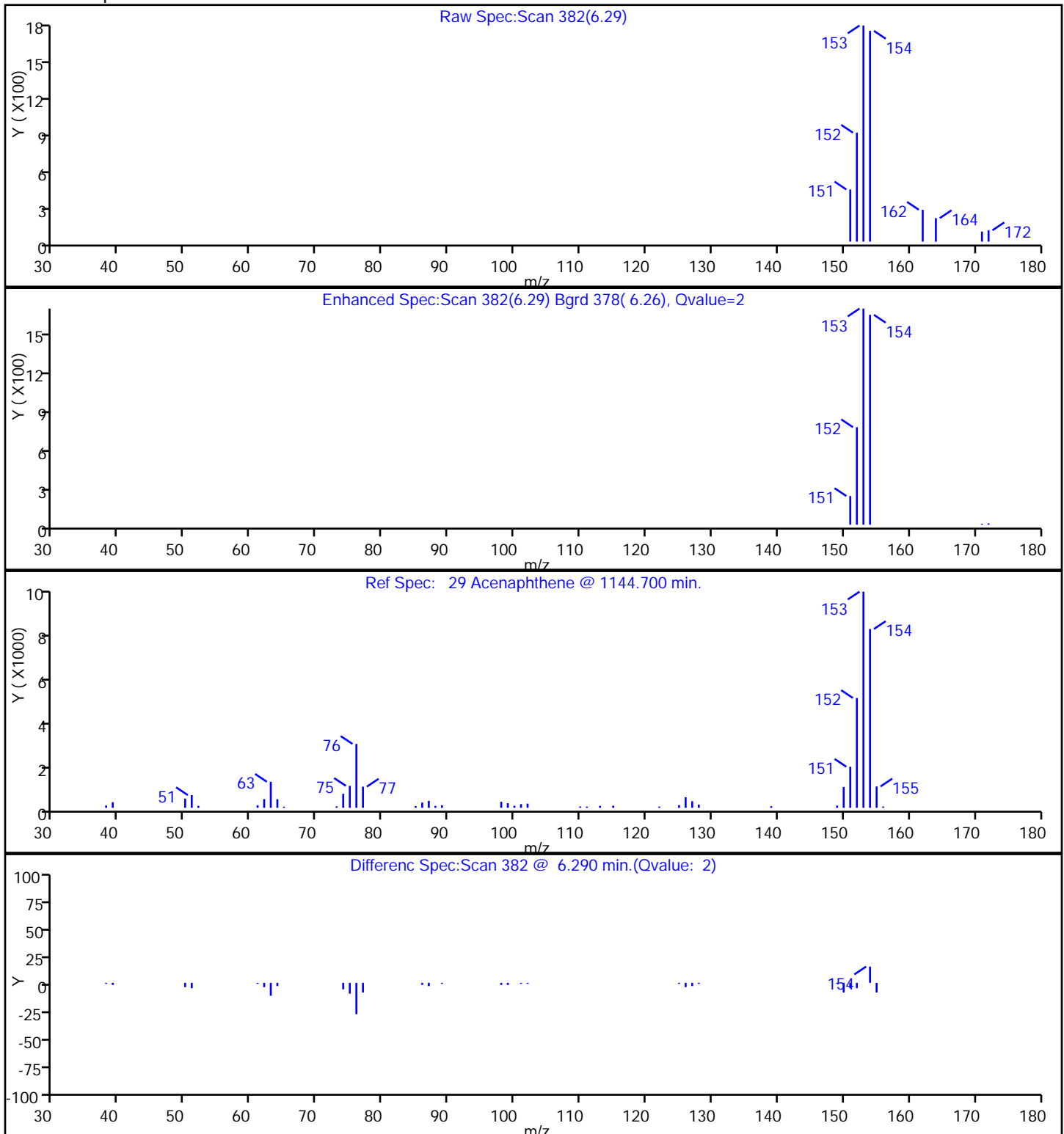
28 1-Methylnaphthalene



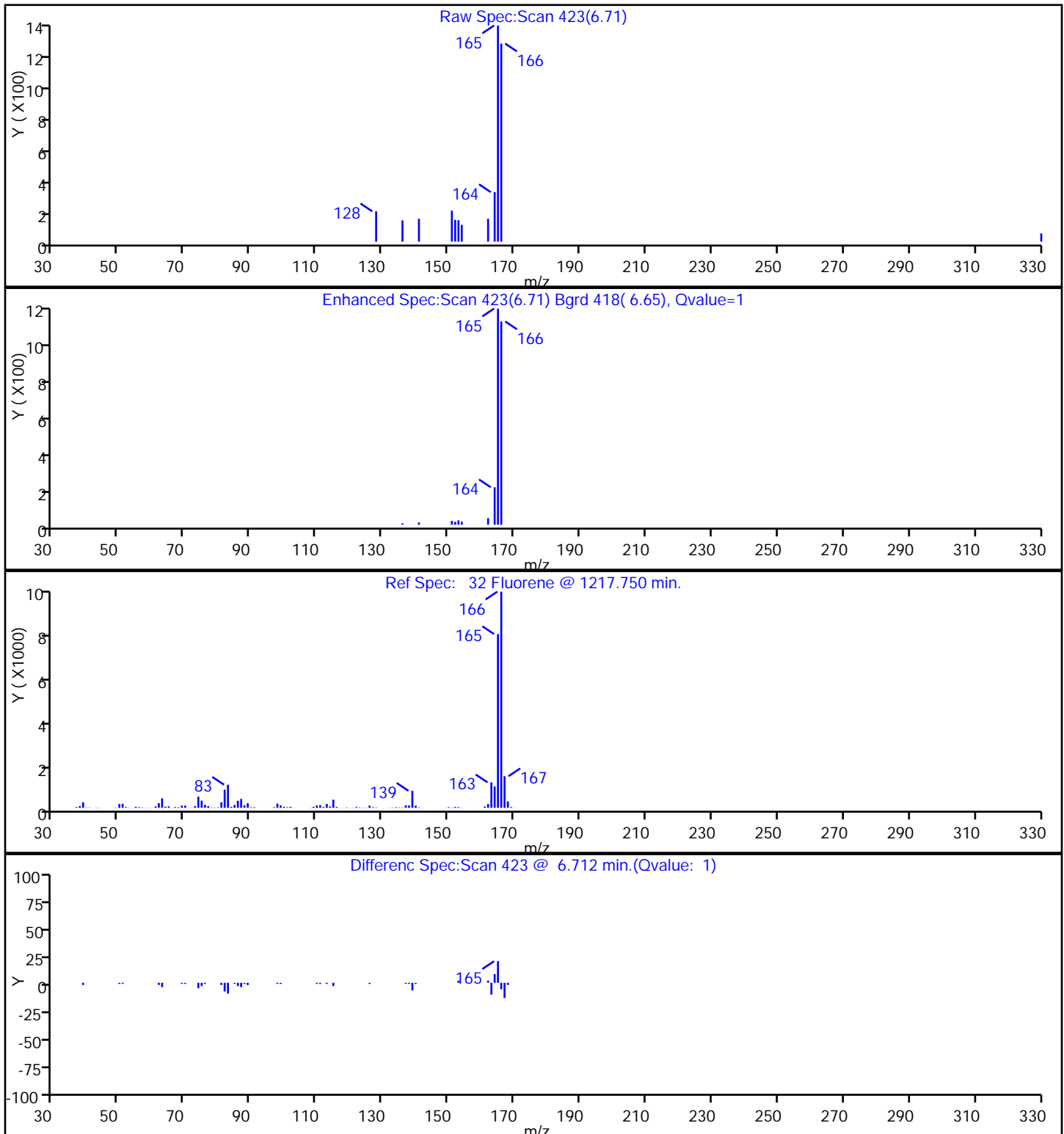
31 Acenaphthylene



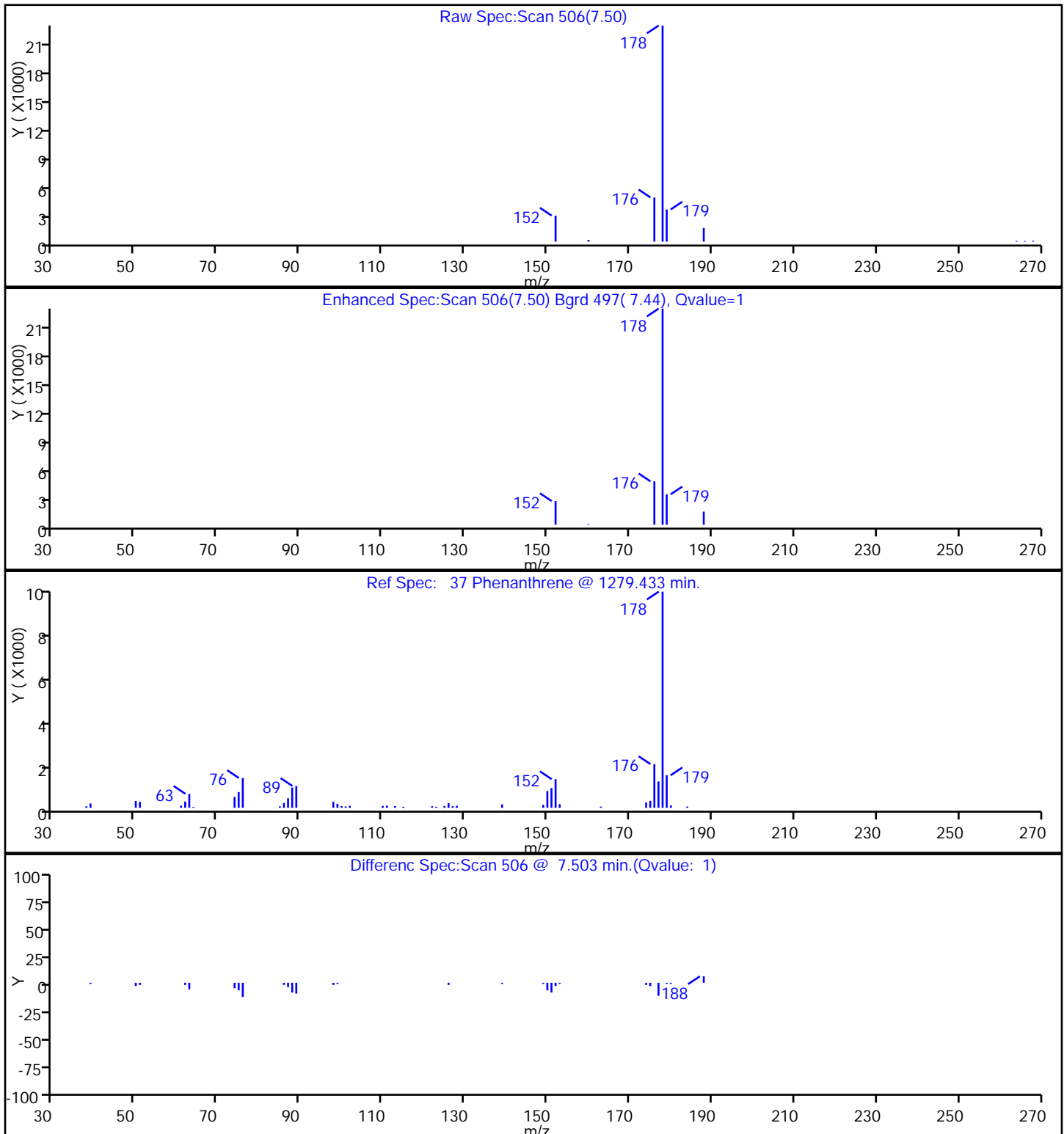
29 Acenaphthene



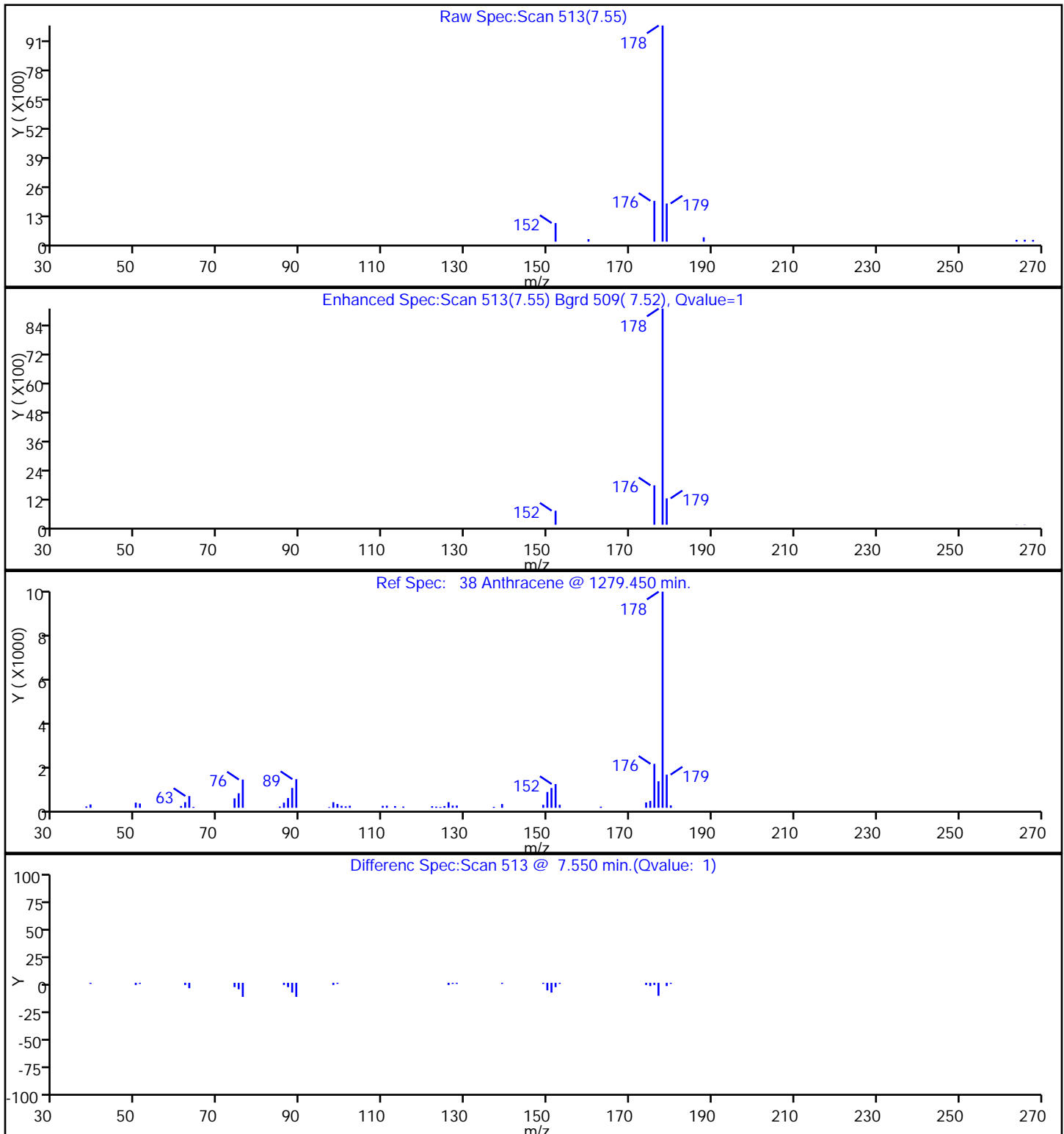
32 Fluorene



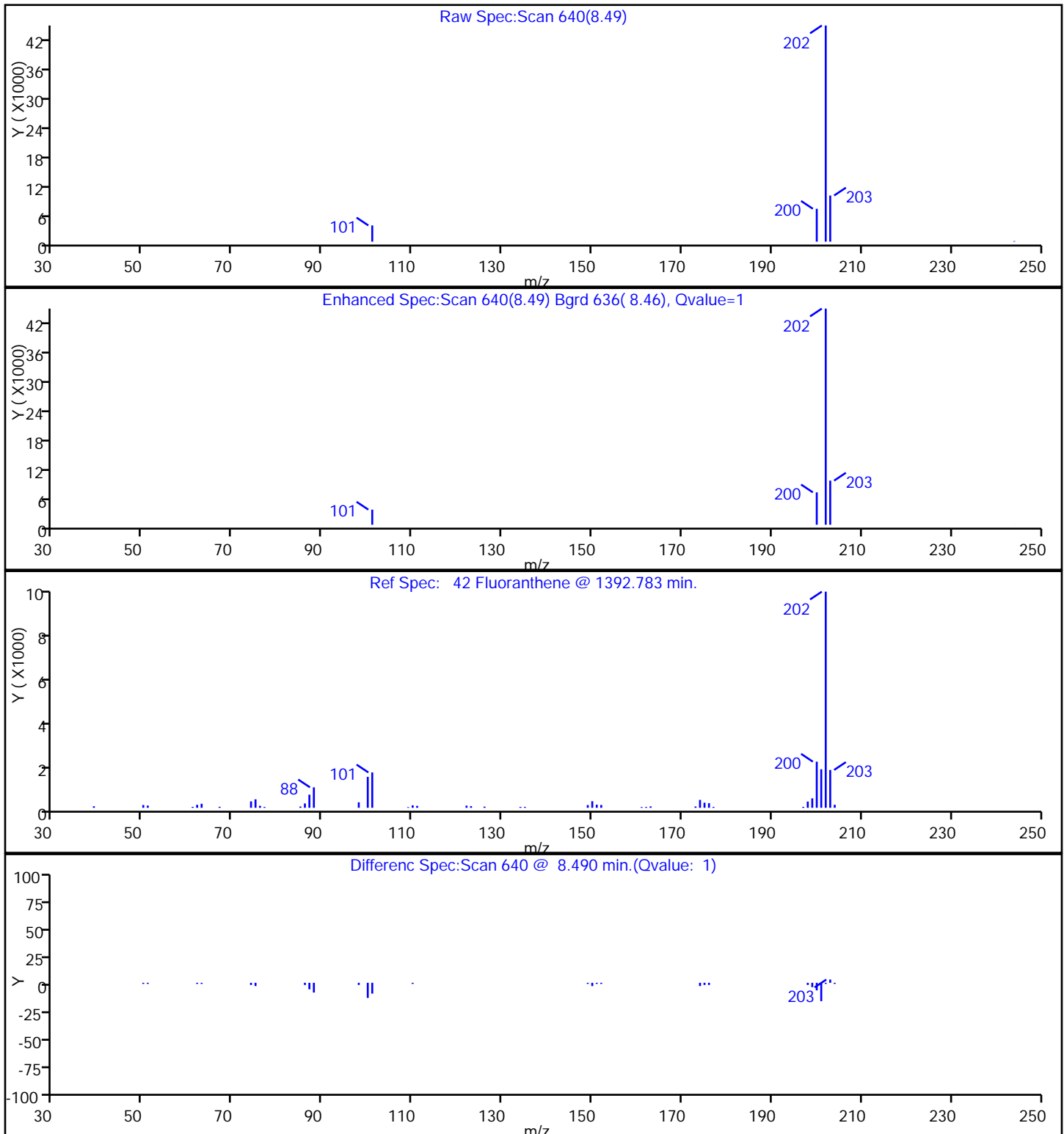
37 Phenanthrene



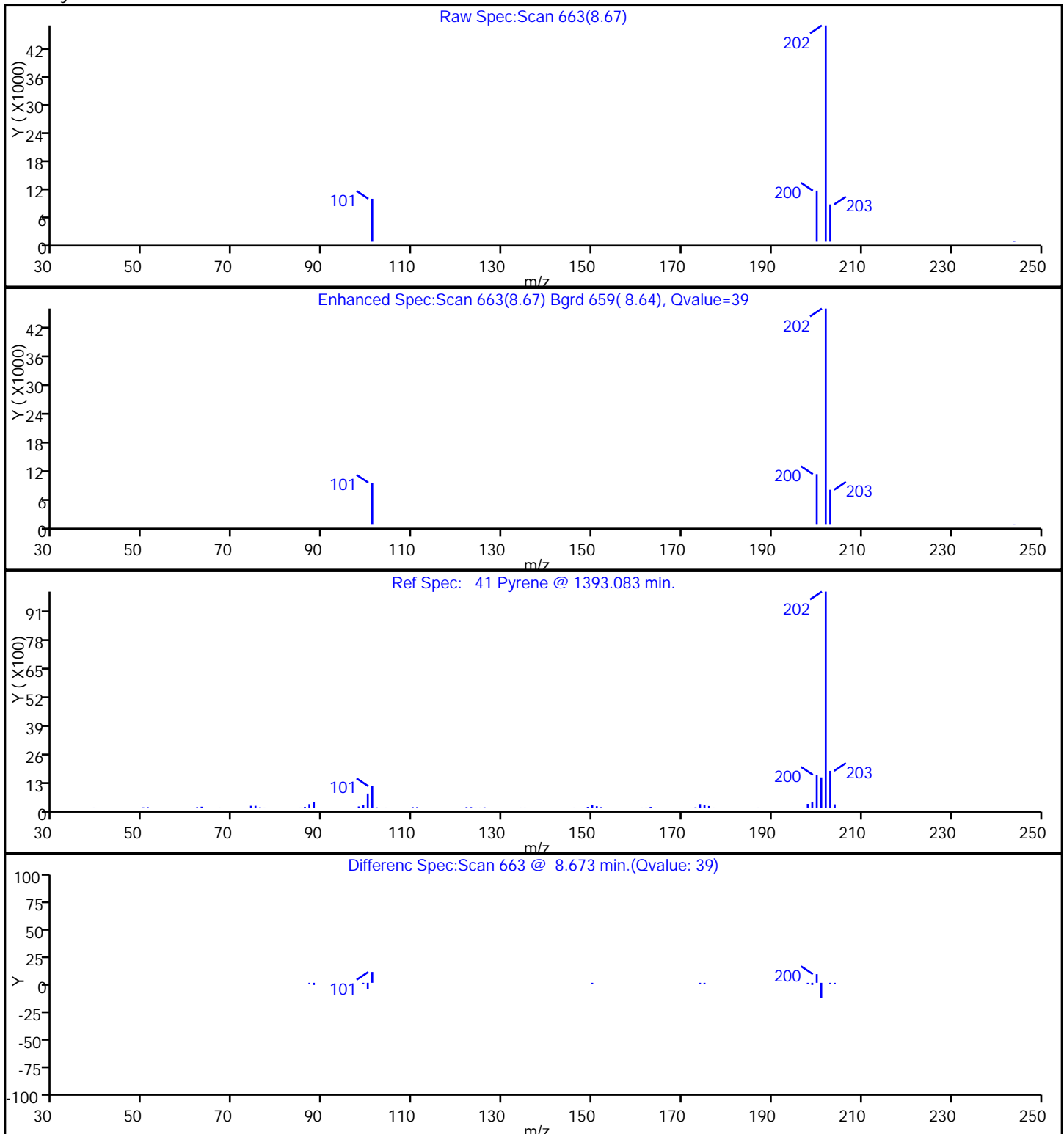
38 Anthracene



42 Fluoranthene



41 Pyrene



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

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

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

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

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA58-COMP-120507

Instrument ID: TAC023

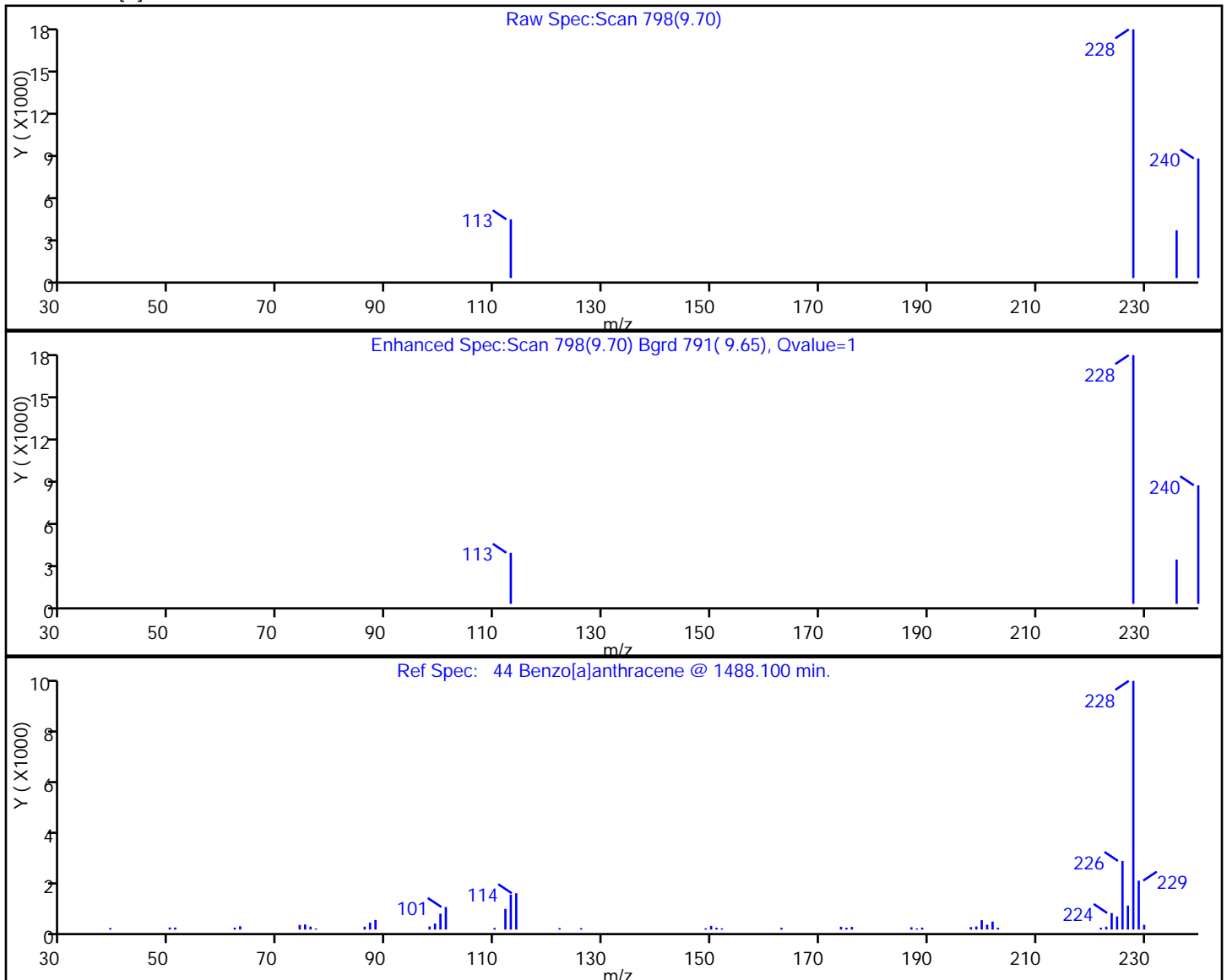
Lims Batch ID: 112072

Lims Sample ID: 5

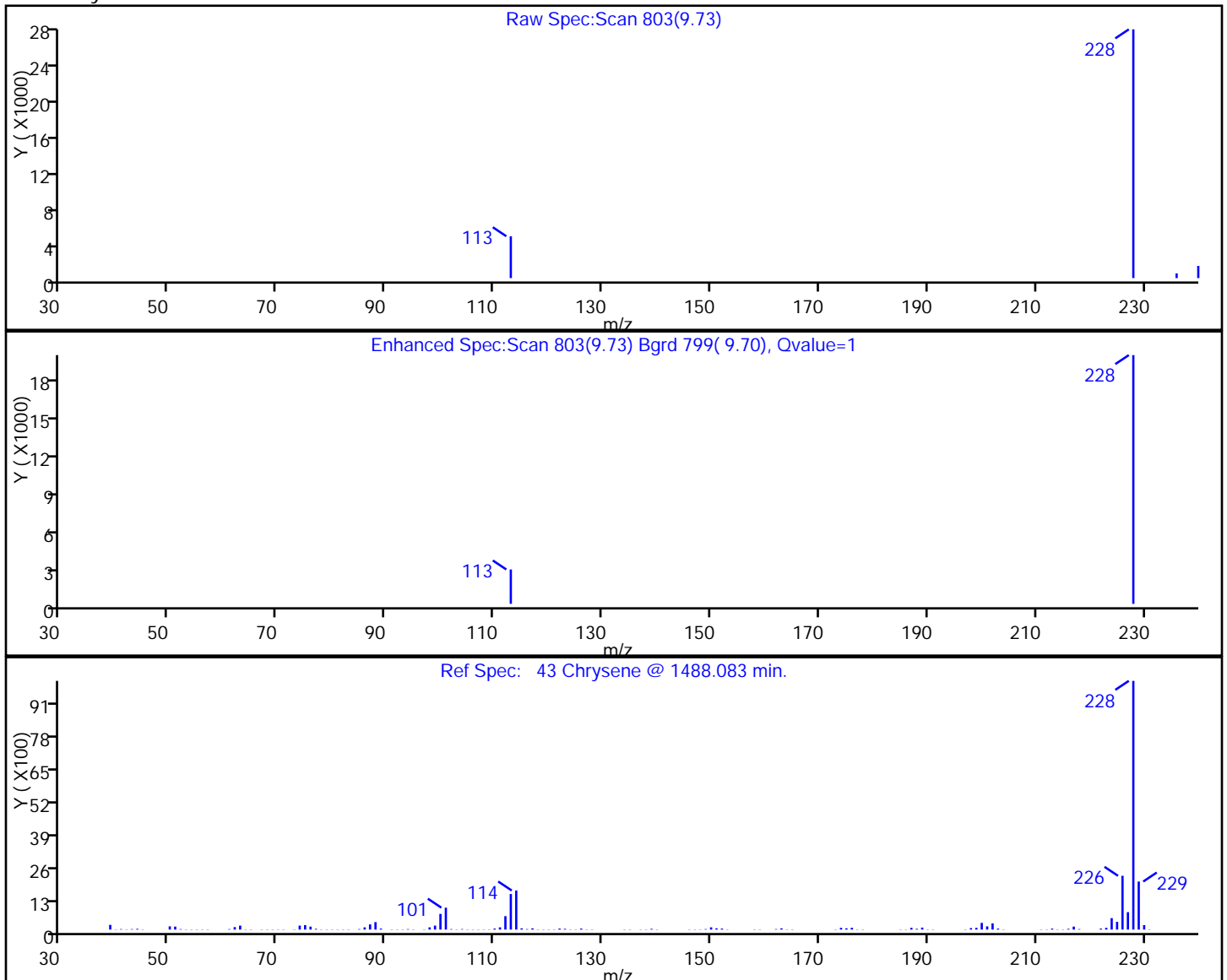
Operator ID: bat

Injection Vol: 1.00 ul

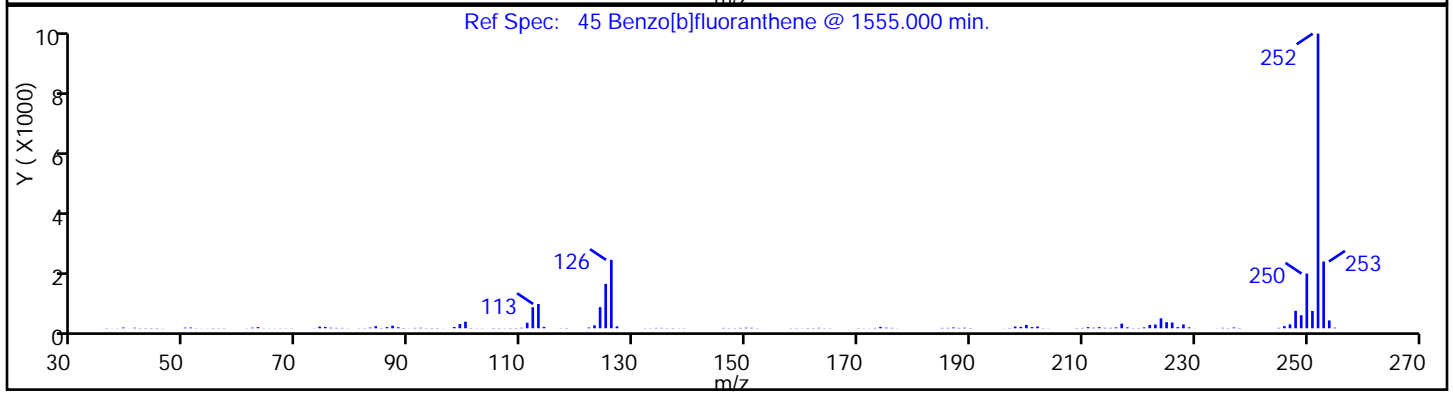
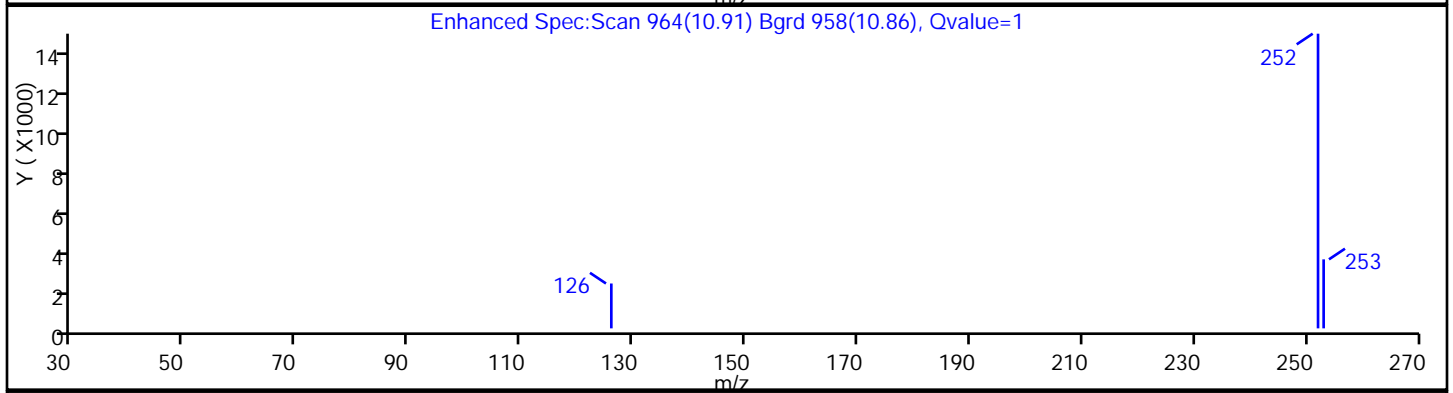
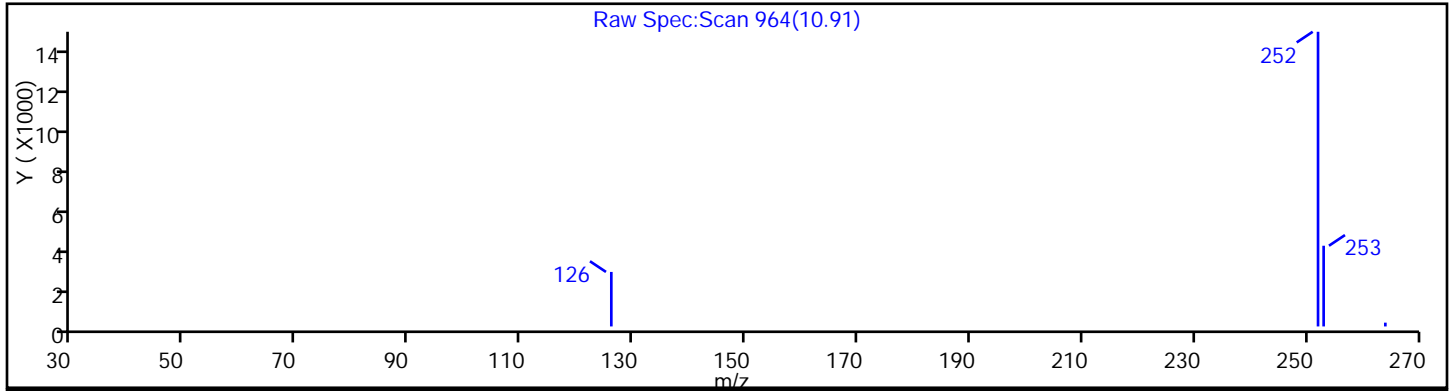
44 Benzo[a]anthracene



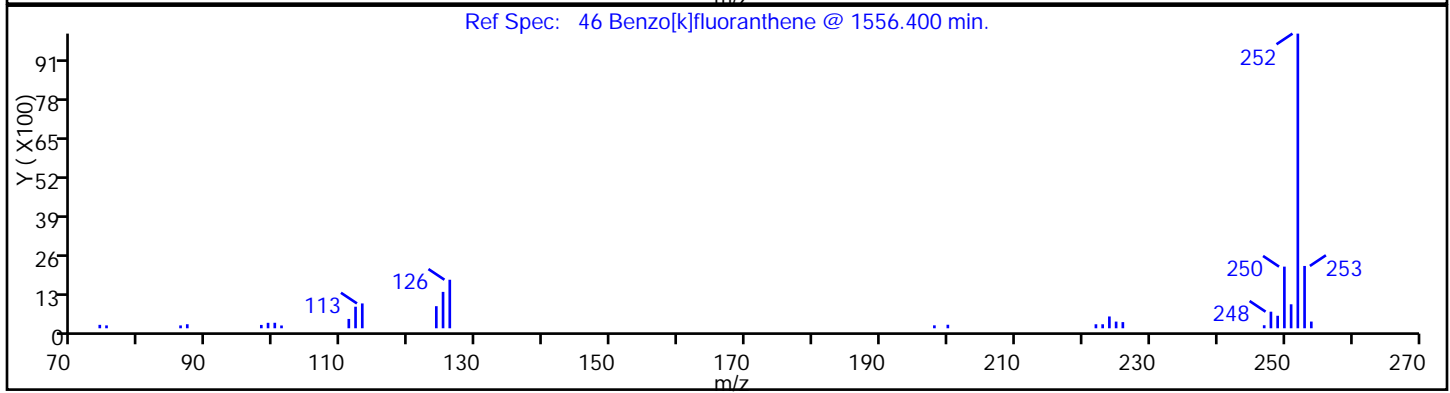
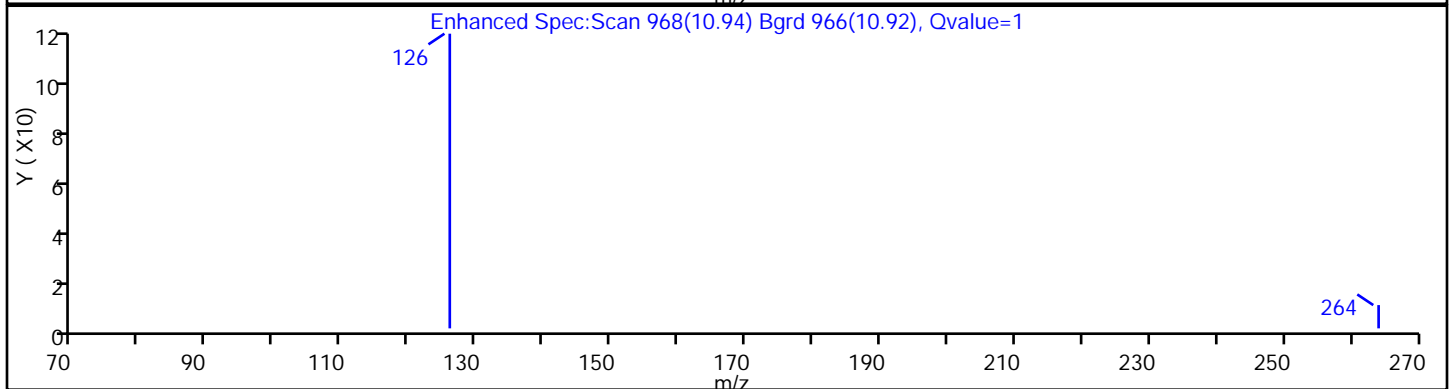
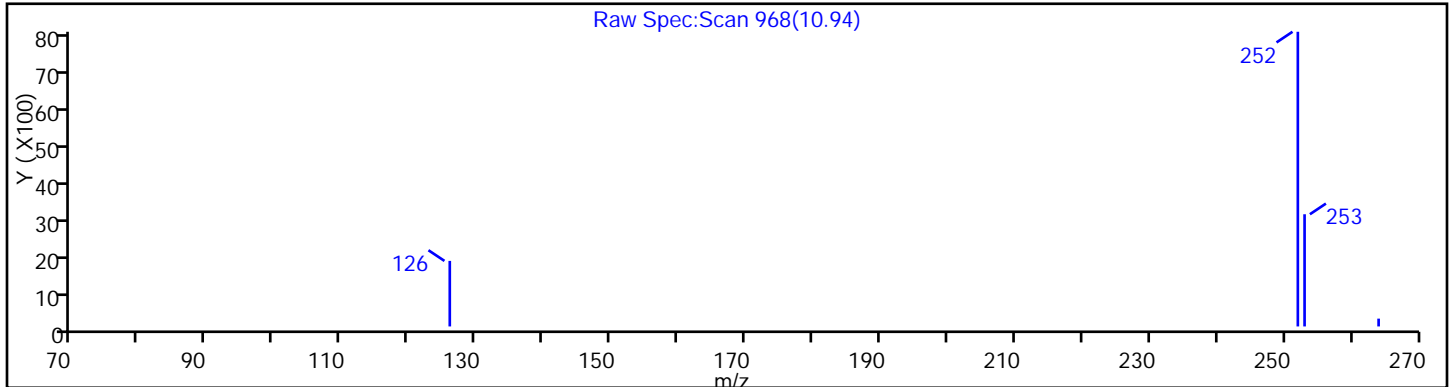
43 Chrysene



45 Benzo[b]fluoranthene



46 Benzo[k]fluoranthene



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

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

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

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

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA58-COMP-120507

Instrument ID: TAC023

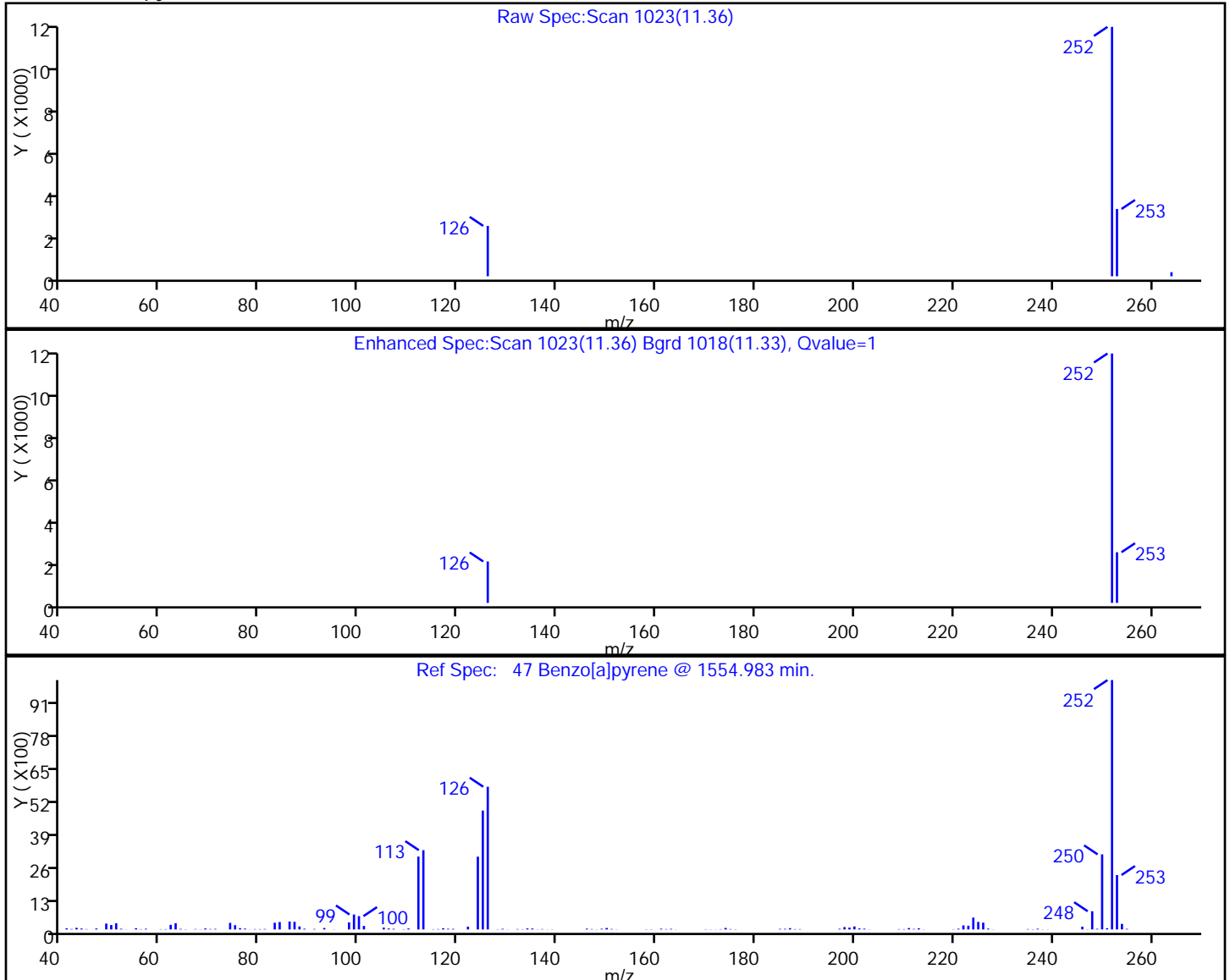
Lims Batch ID: 112072

Lims Sample ID: 5

Operator ID: bat

Injection Vol: 1.00 ul

47 Benzo[a]pyrene



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

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

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

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

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA58-COMP-120507

Instrument ID: TAC023

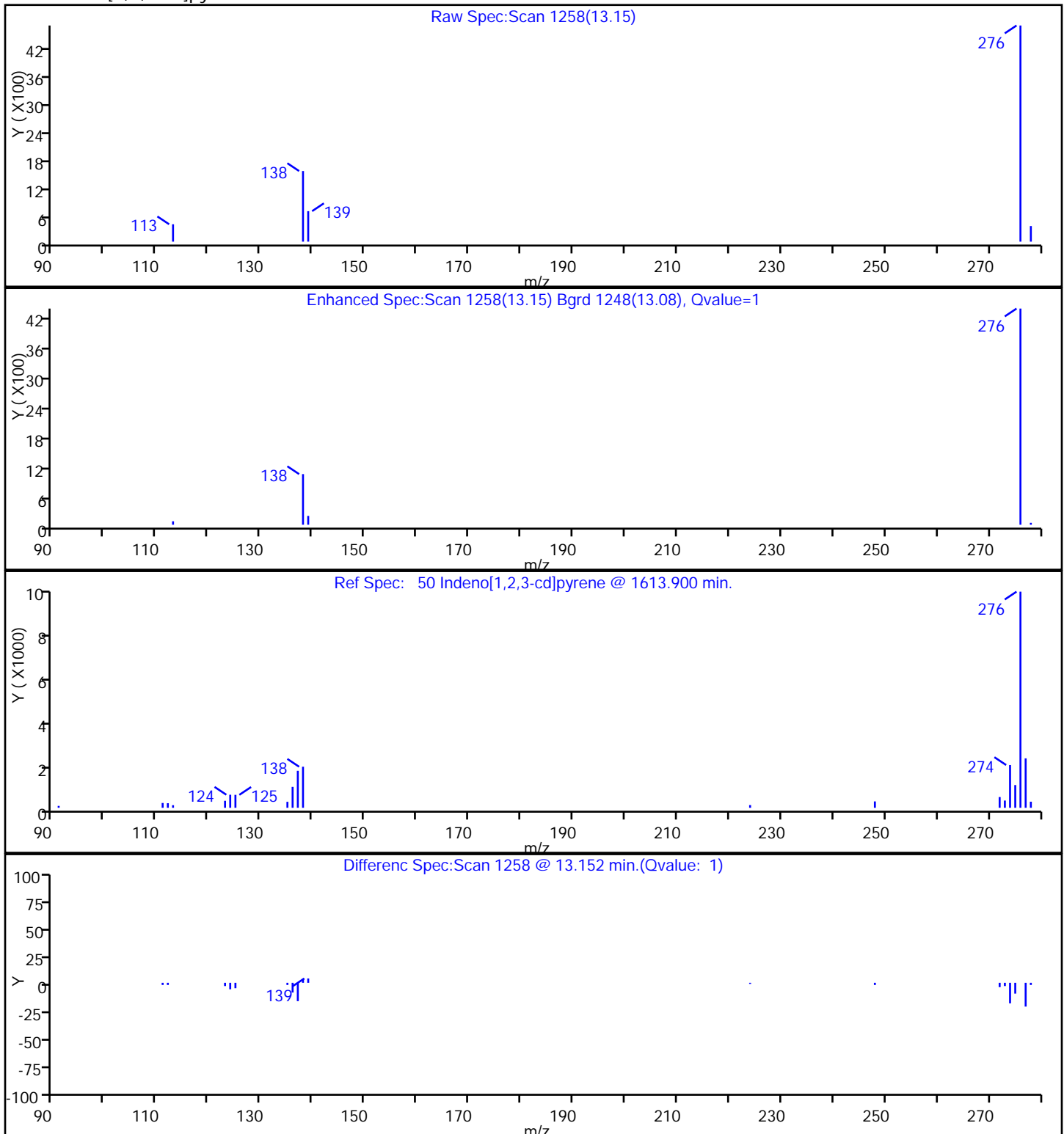
Lims Batch ID: 112072

Lims Sample ID: 5

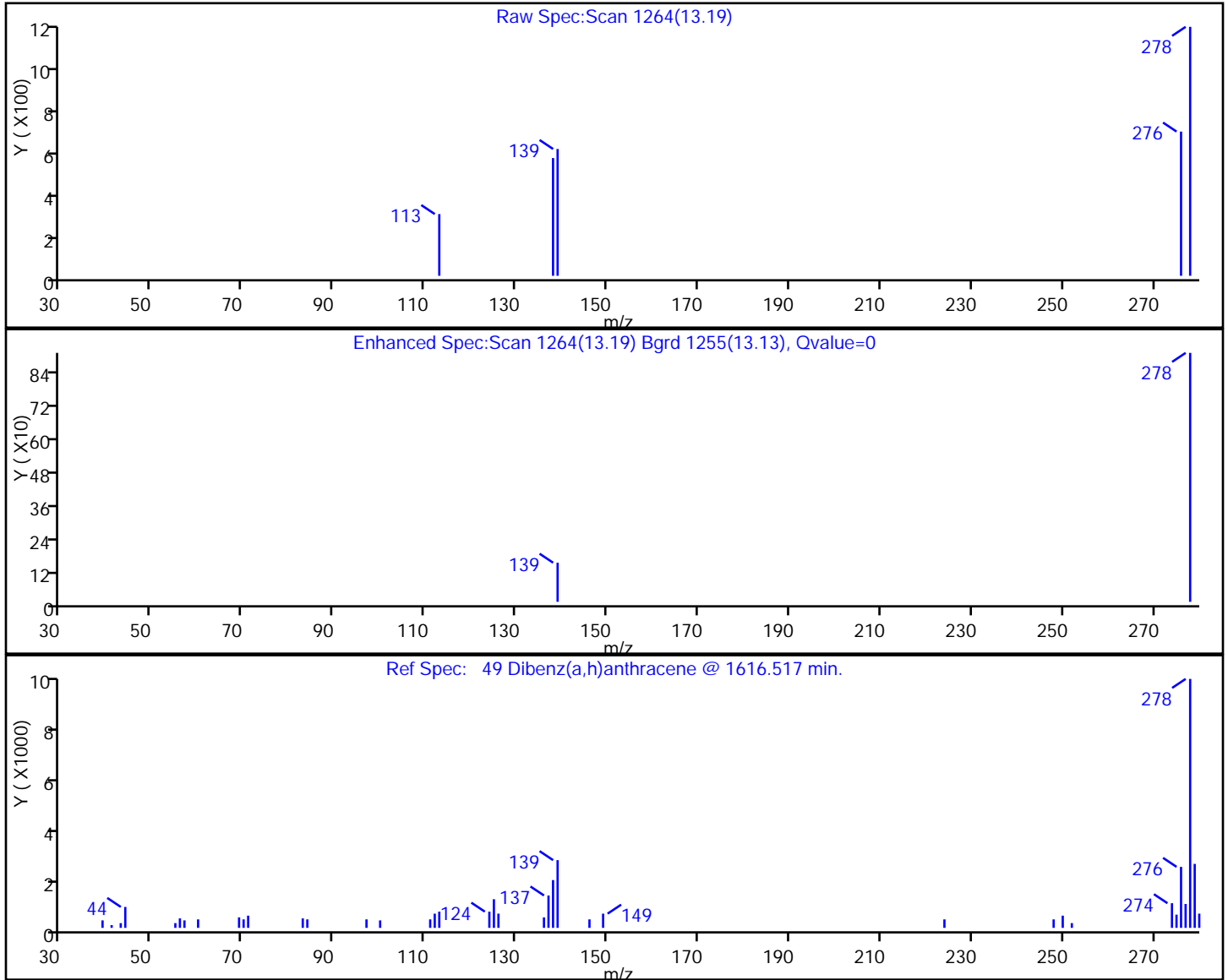
Operator ID: bat

Injection Vol: 1.00 ul

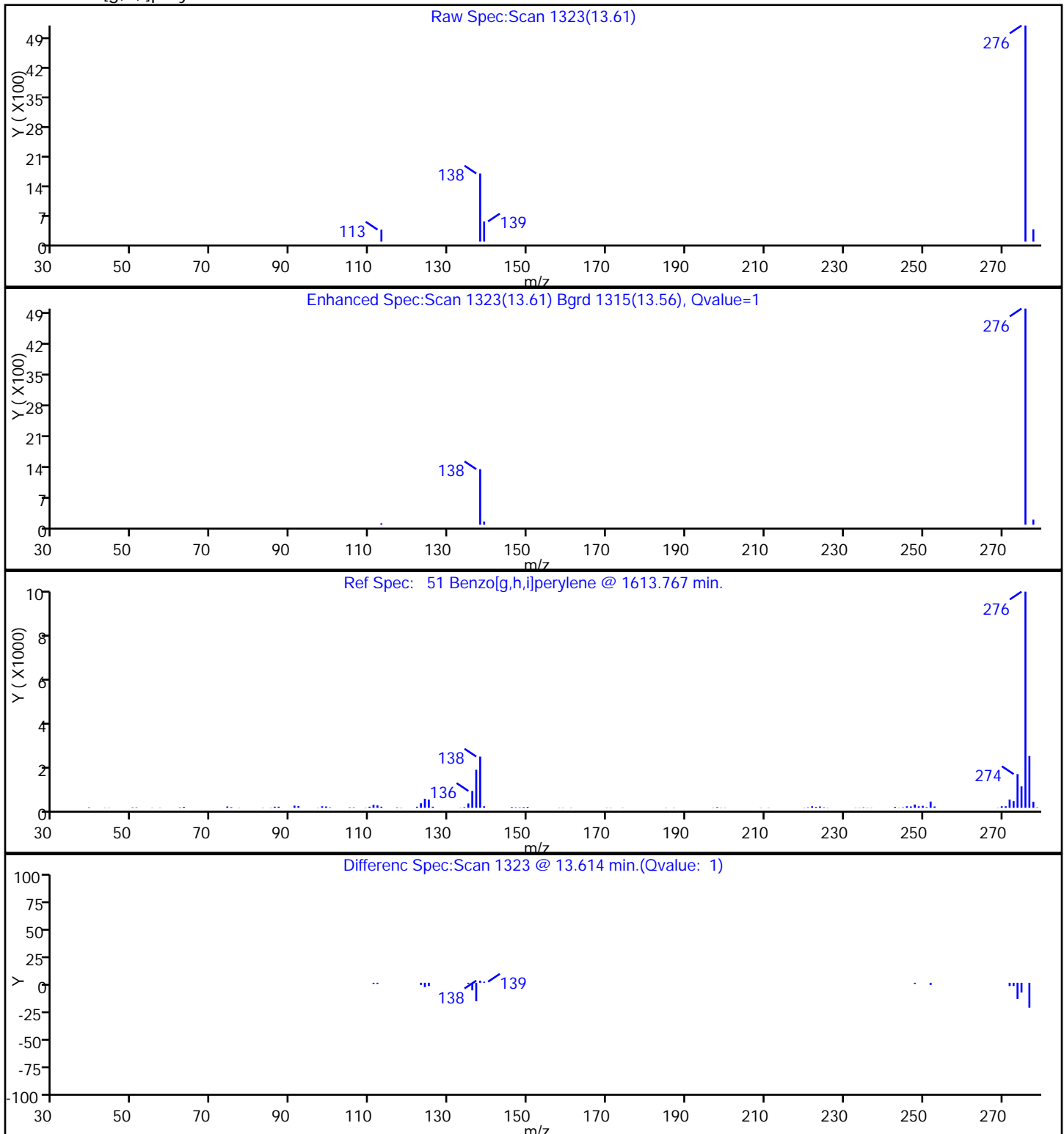
50 Indeno[1,2,3-cd]pyrene



49 Dibenz(a,h)anthracene



51 Benzo[g,h,i]perylene

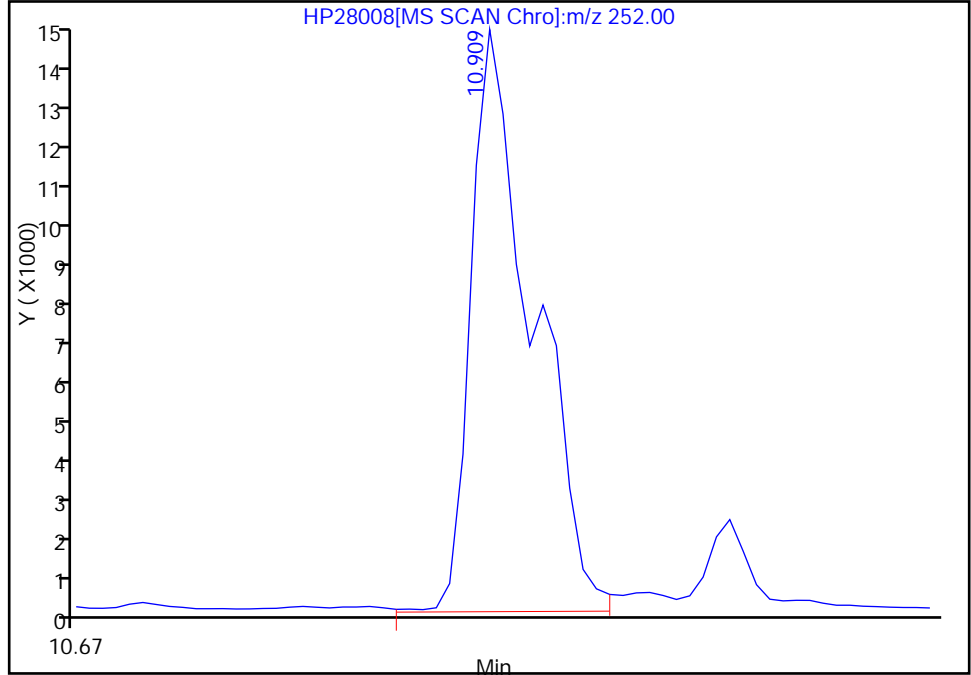


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28008.D
Injection Date: 25-May-2012 12:34:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-EA58-COMP-120507 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 5
Operator ID: bat Injection Vol: 1.00 ul

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

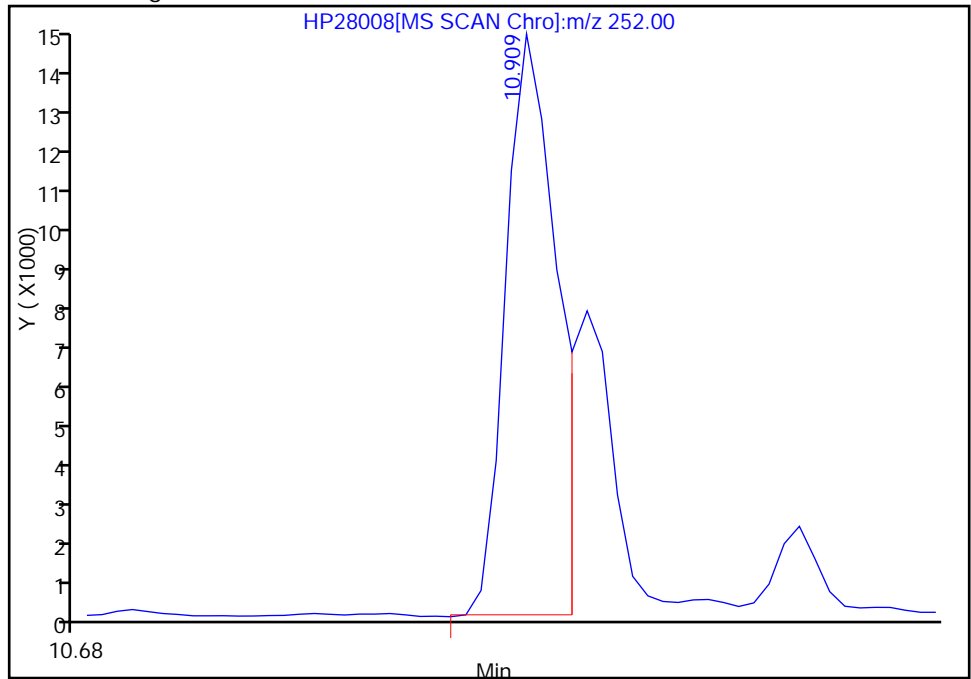
RT: 10.91
Response: 36157
Amount: 65.708654

Processing Integration Results



RT: 10.91
Response: 25224
Amount: 45.839950

Manual Integration Results



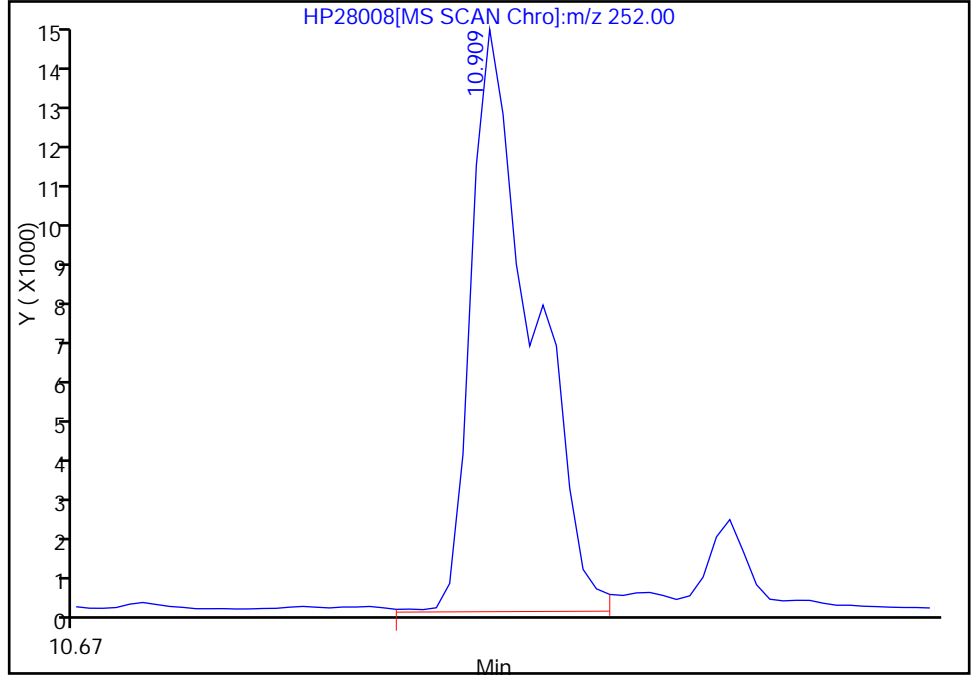
Reviewer: tadesseb, 25-May-2012 16:16:28
Audit Action: Manually Integrated
Audit Reason: Baseline

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

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

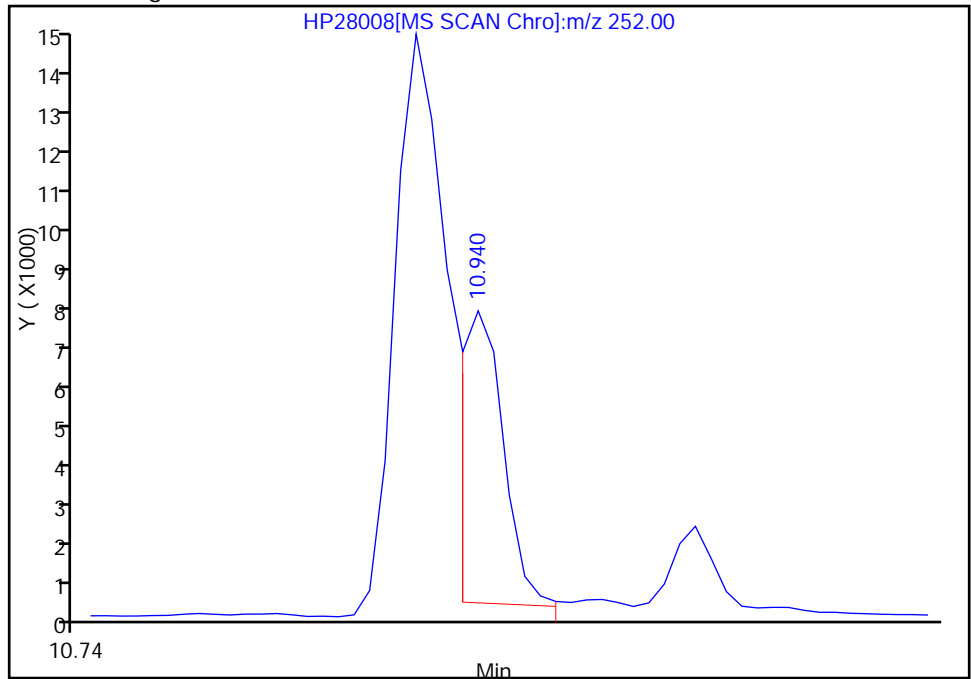
RT: 10.91
Response: 36157
Amount: 64.877077

Processing Integration Results



RT: 10.94
Response: 9506
Amount: 17.056766

Manual Integration Results



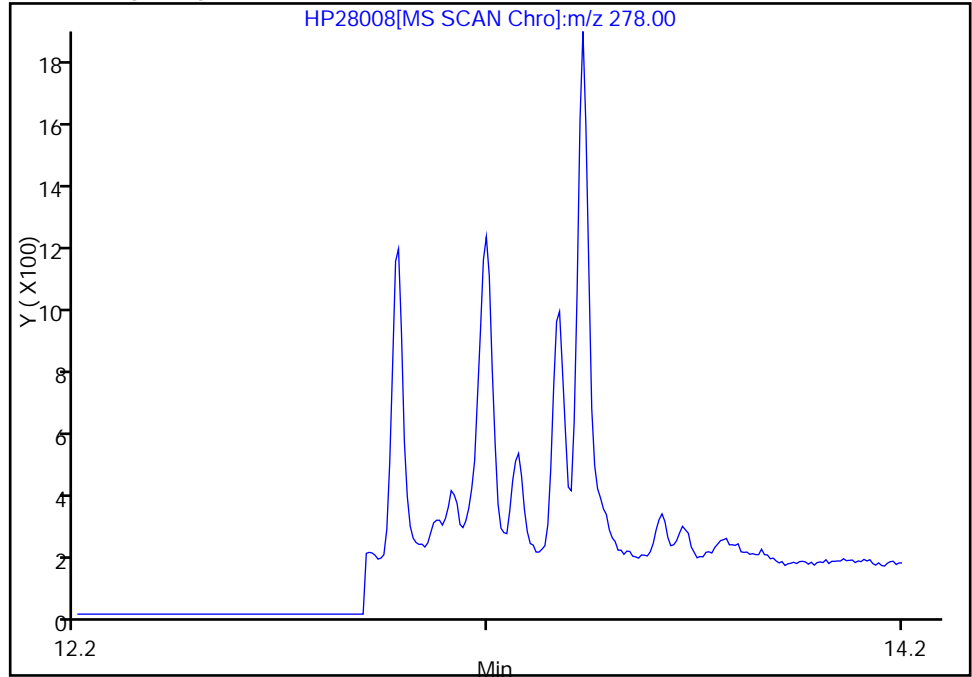
Reviewer: tadesseb, 25-May-2012 16:16:28
Audit Action: Manually Integrated
Audit Reason: Baseline

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

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

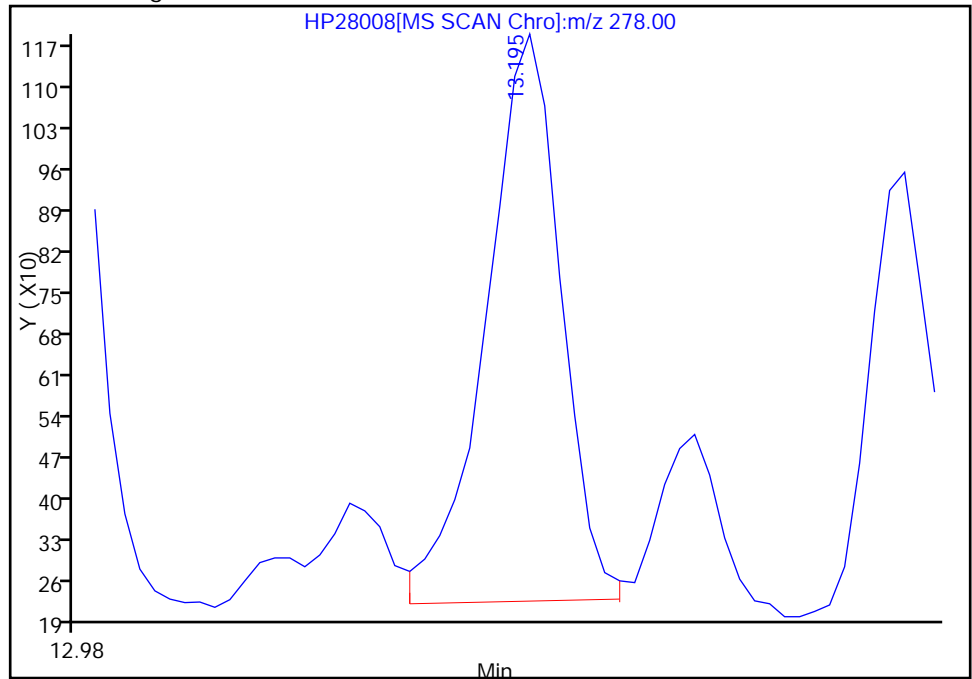
Not Detected
Expected RT: 13.20

Processing Integration Results



Manual Integration Results

RT: 13.19
Response: 2359
Amount: 5.032426



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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

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

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

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

TestAmerica Laboratories
Target Compound Quantitation Report

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

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

First Level Reviewer: tadesseb

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

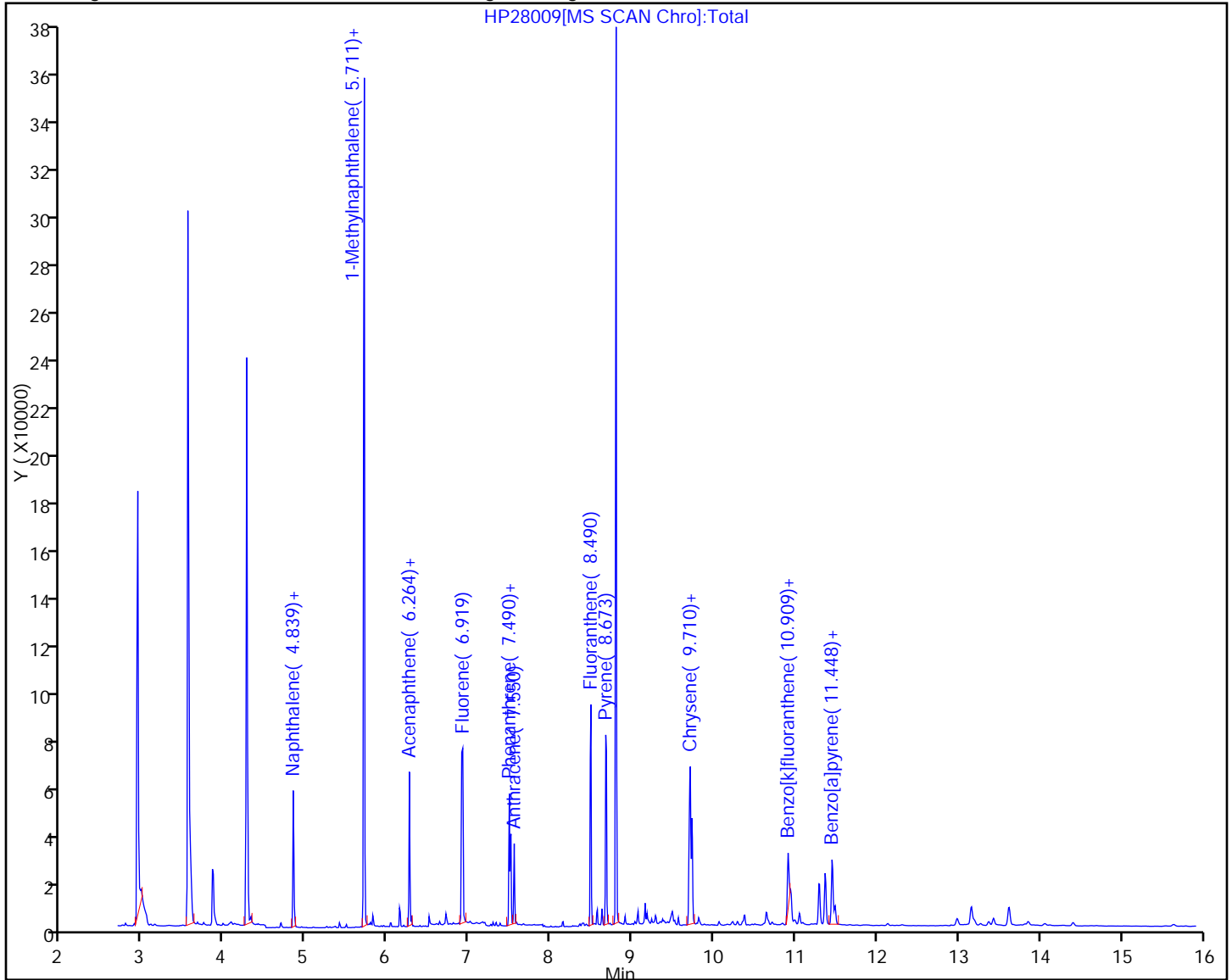
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.848	3.859	-0.011	1	17554	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	46123	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	25956	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	40844	98.0	
* 5 Chrysene-d12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

QC Flag Legend

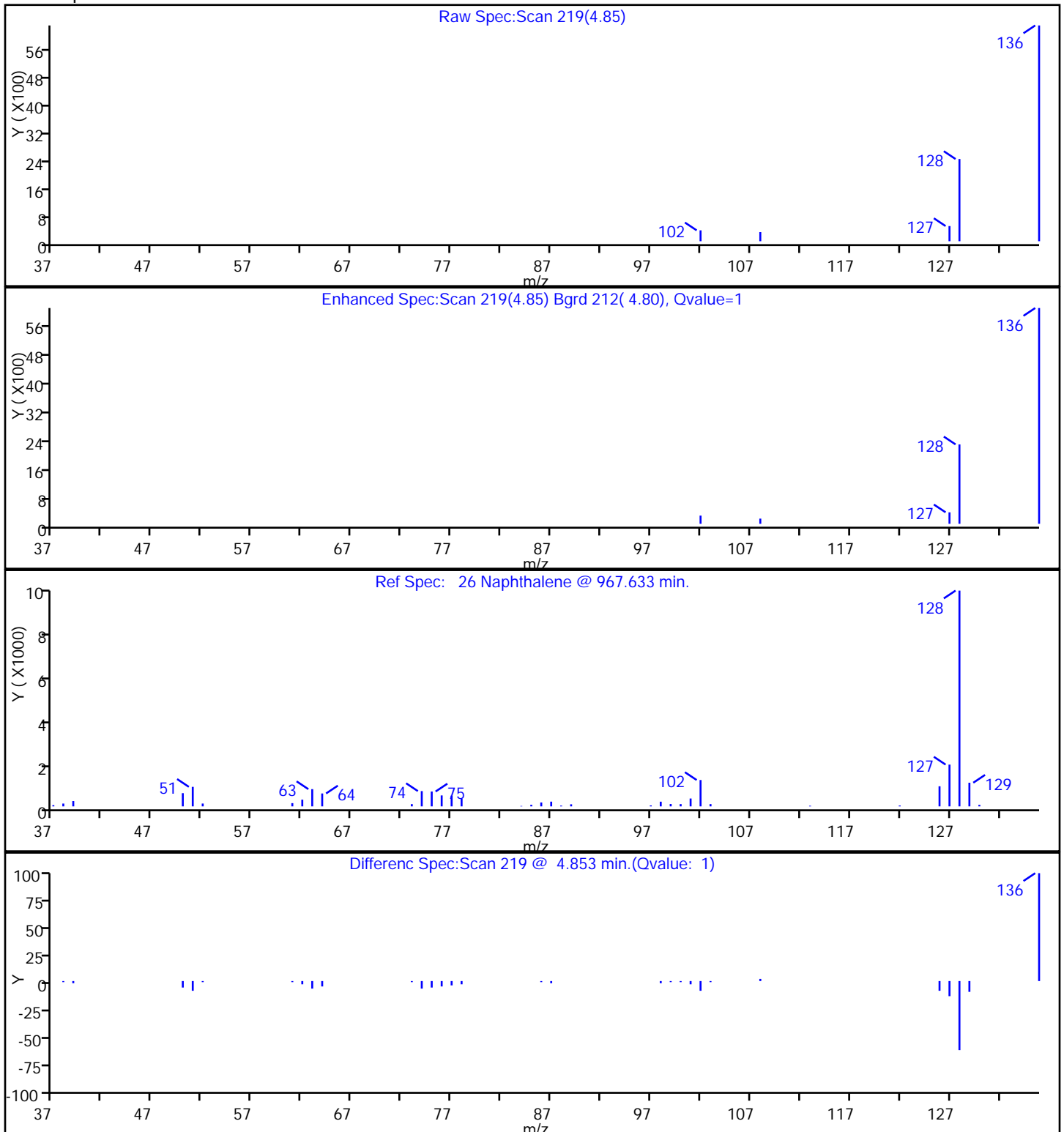
Review Flags

M - Manually Integrated

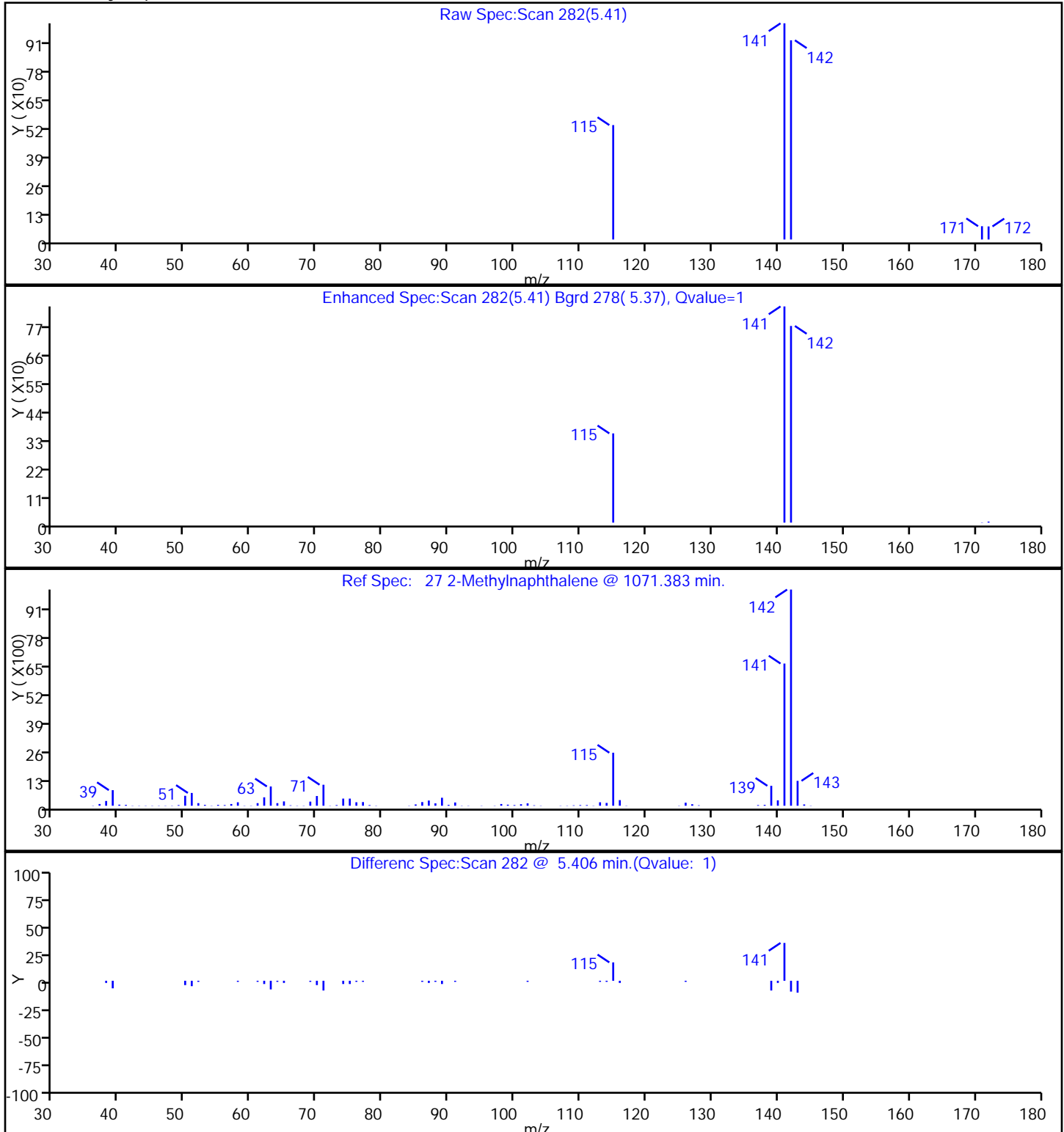
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



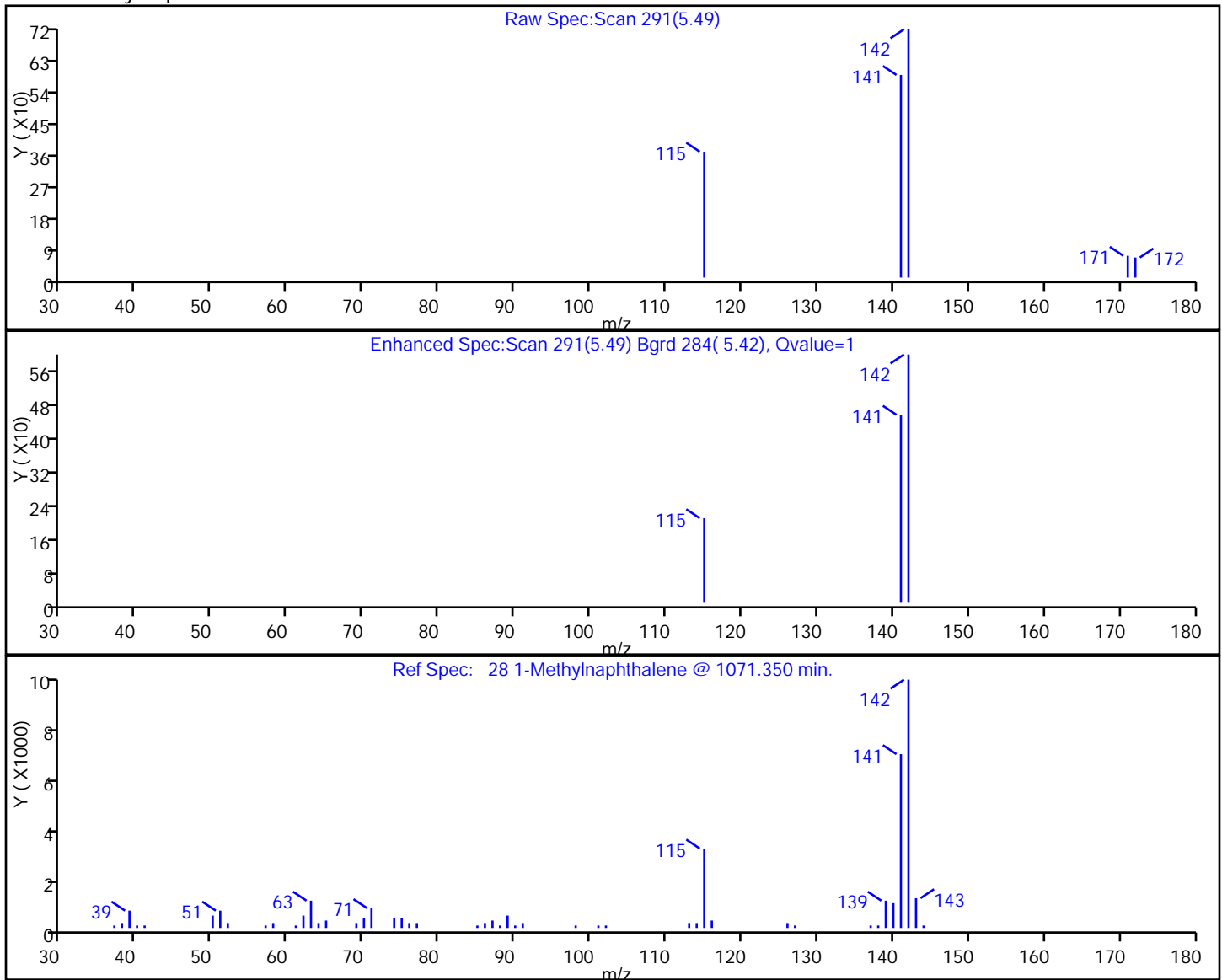
26 Naphthalene



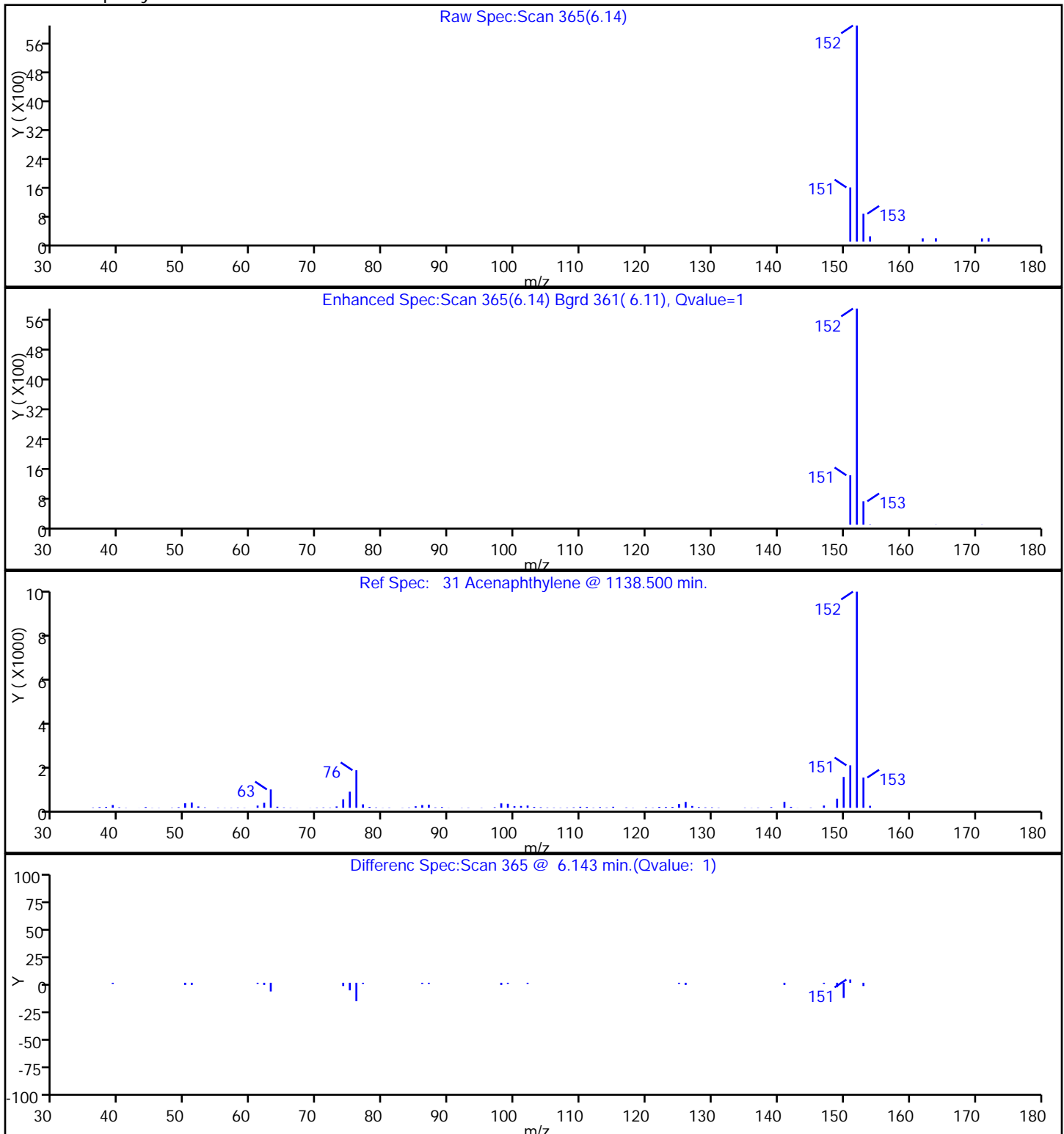
27 2-Methylnaphthalene



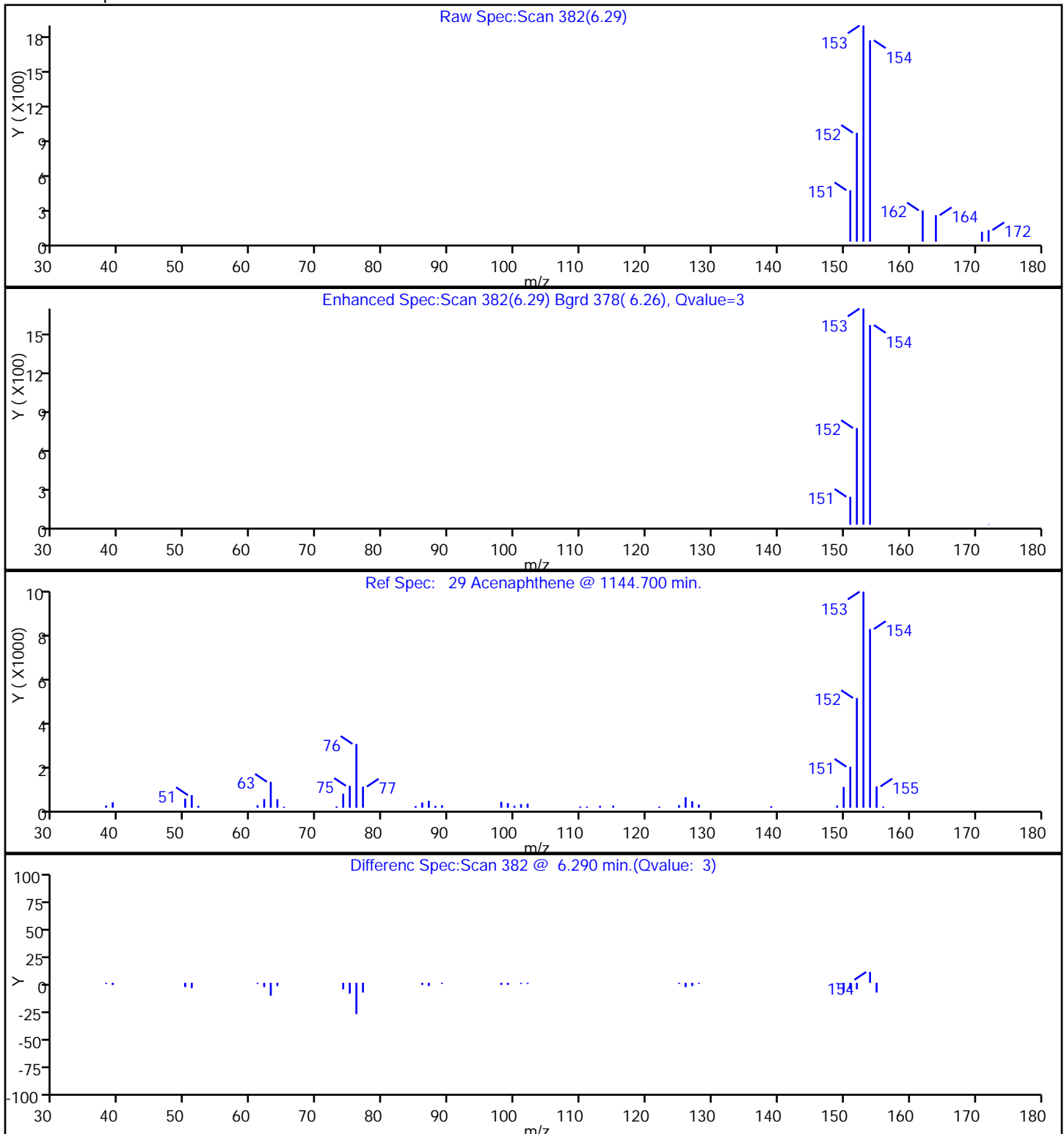
28 1-Methylnaphthalene



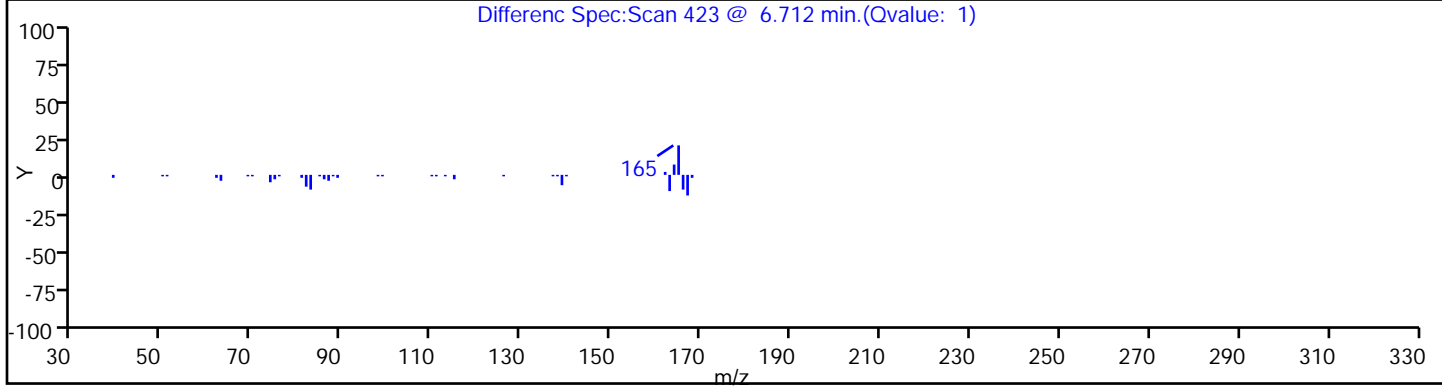
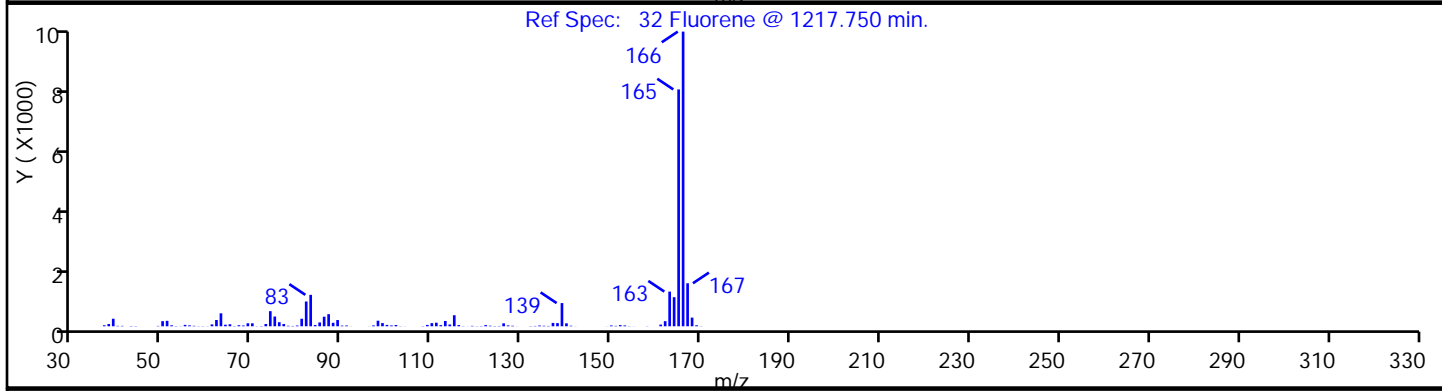
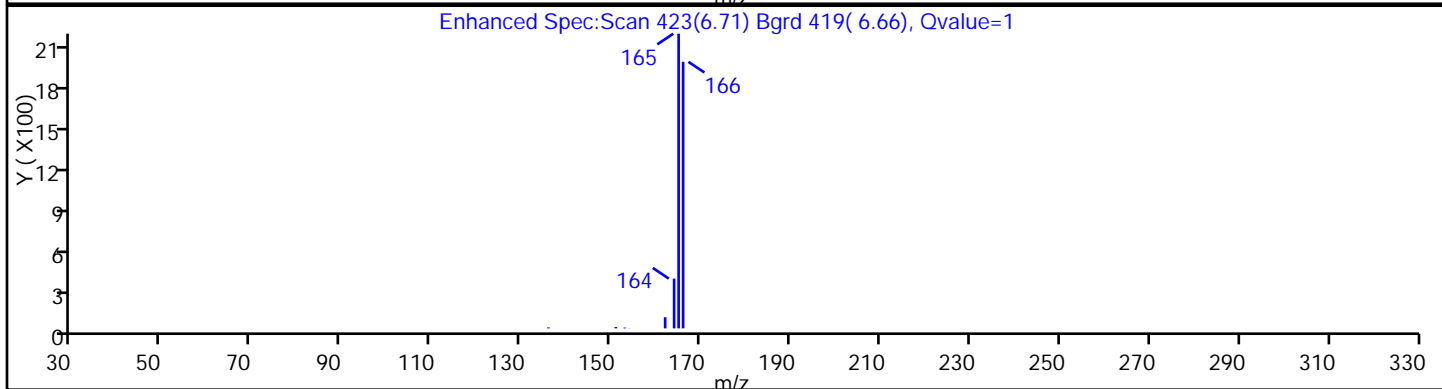
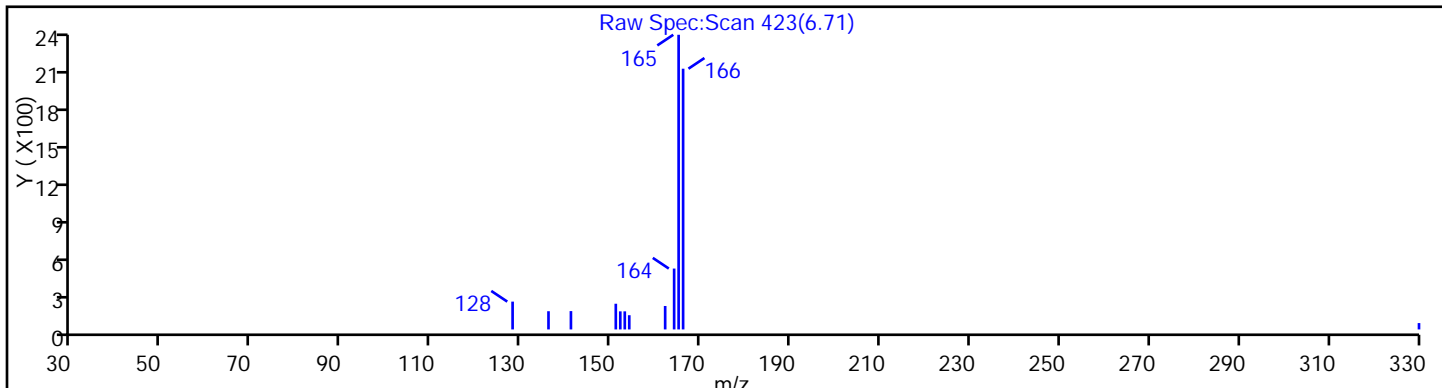
31 Acenaphthylene



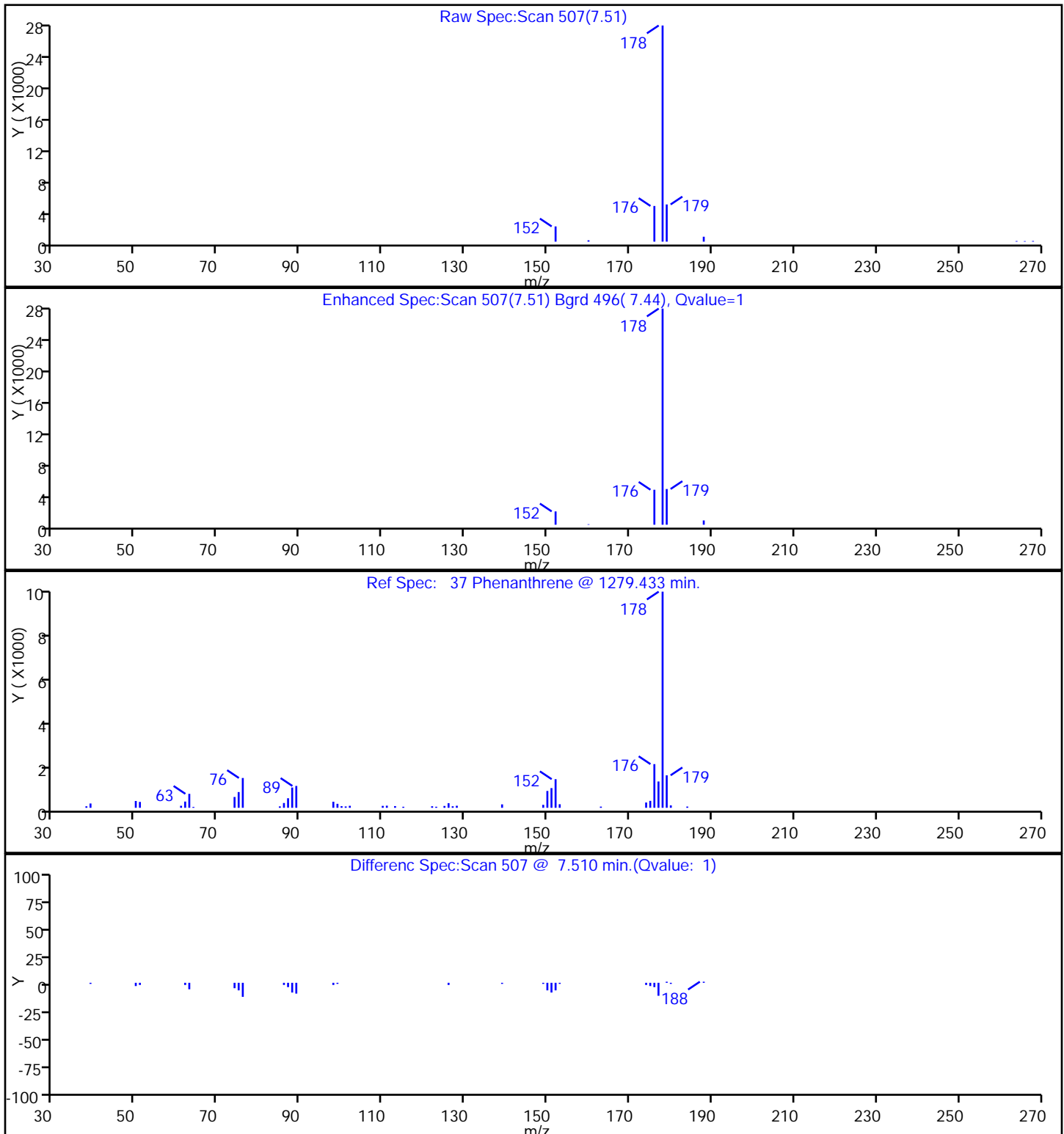
29 Acenaphthene



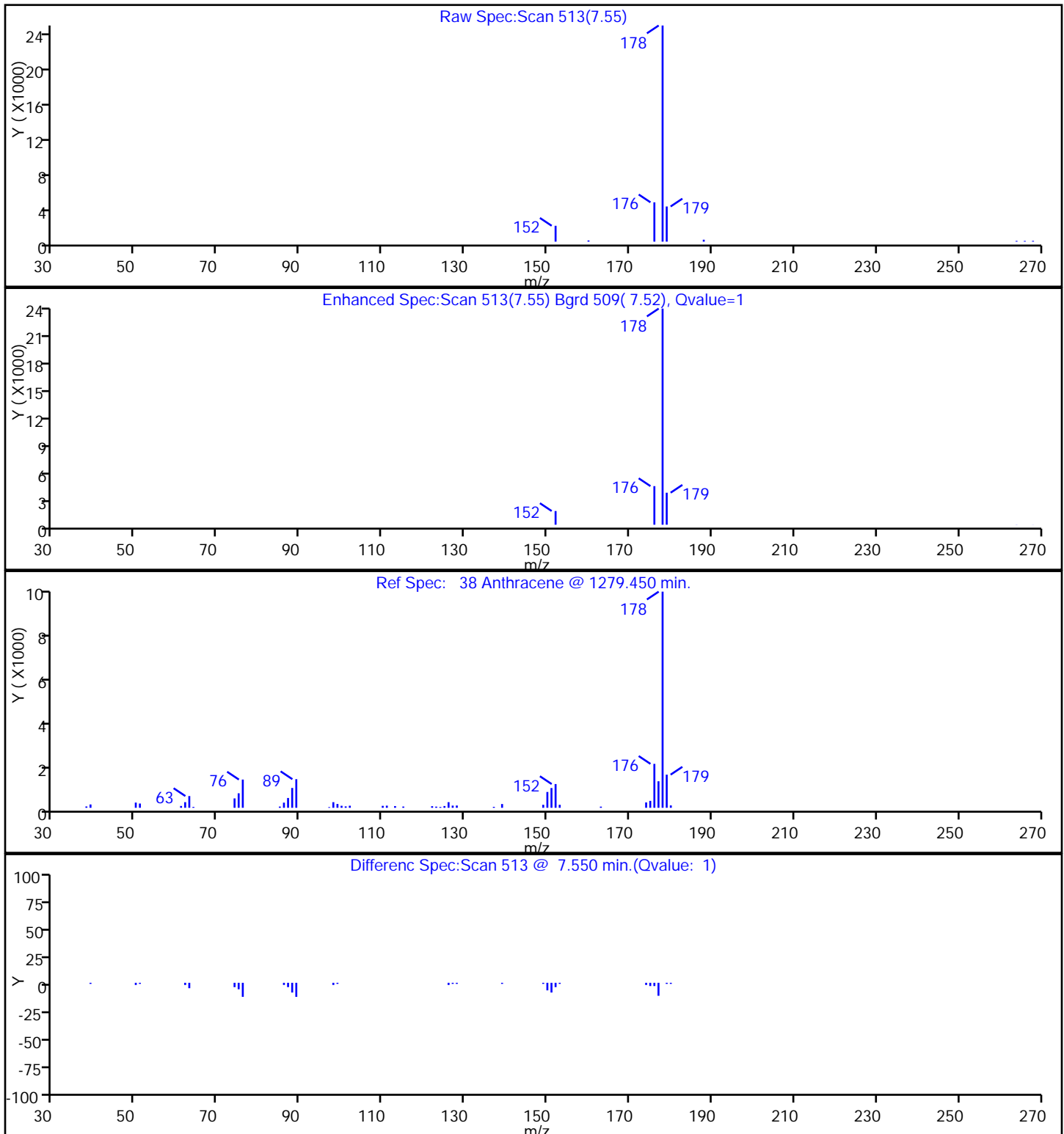
32 Fluorene



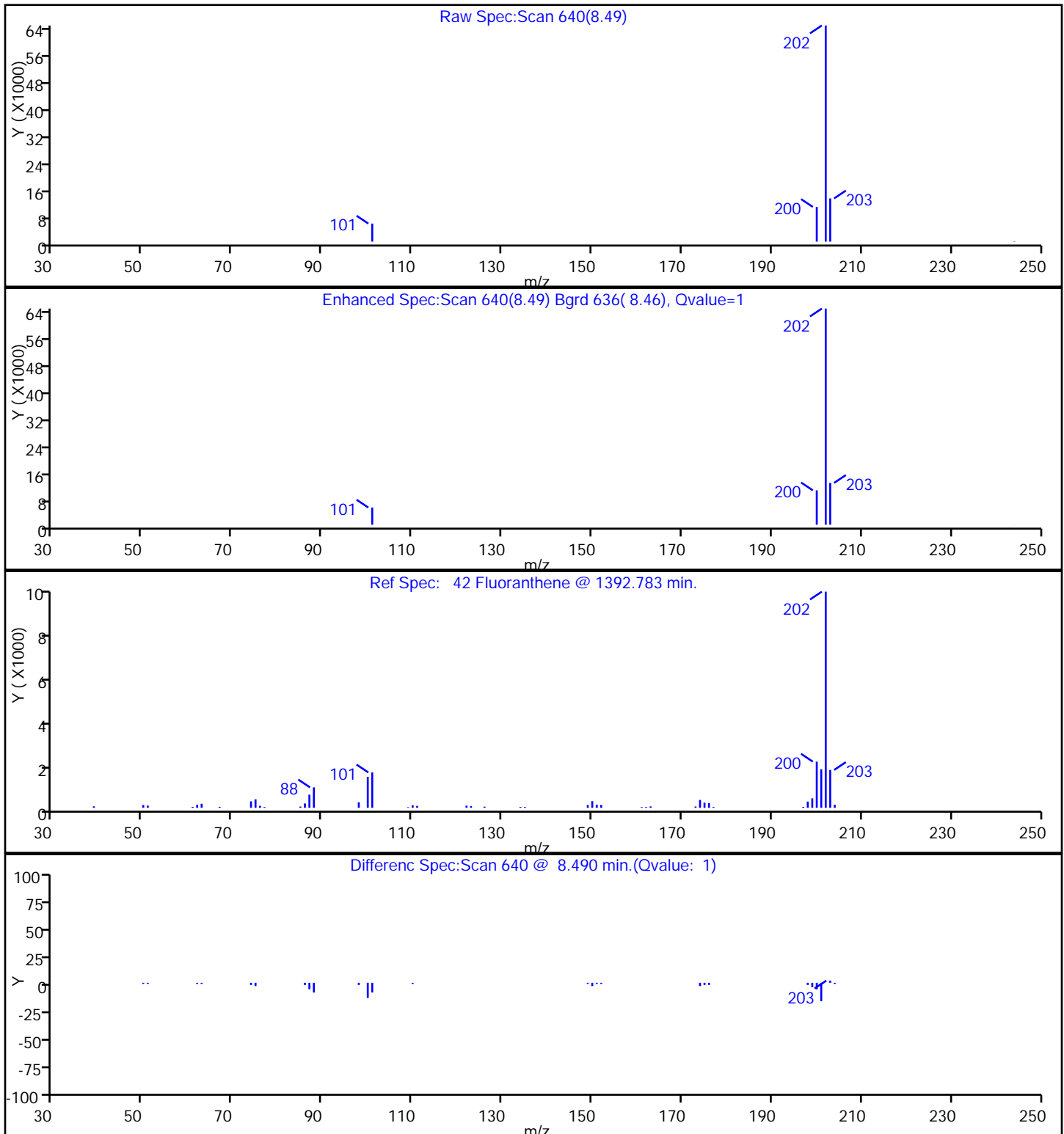
37 Phenanthrene



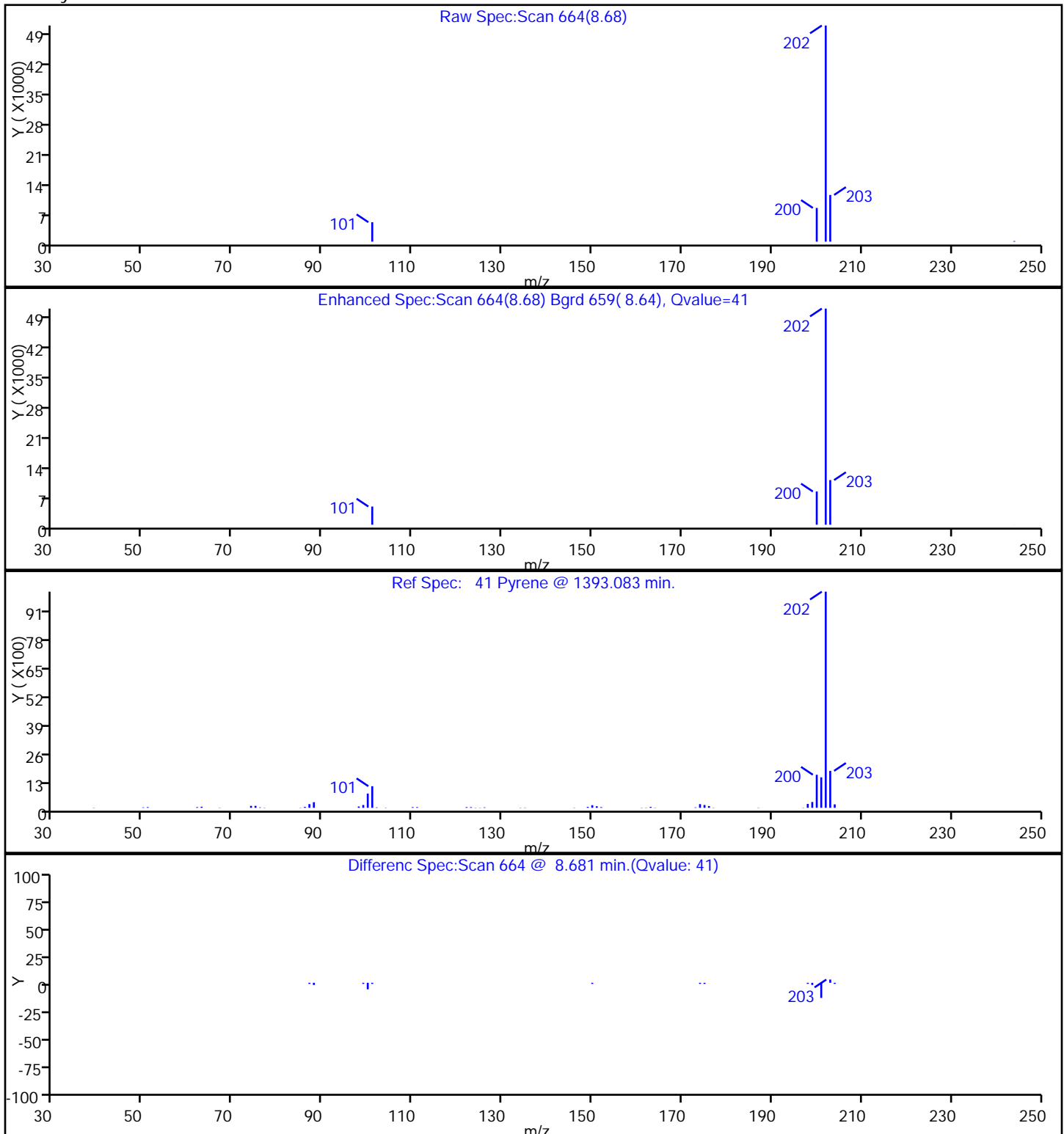
38 Anthracene



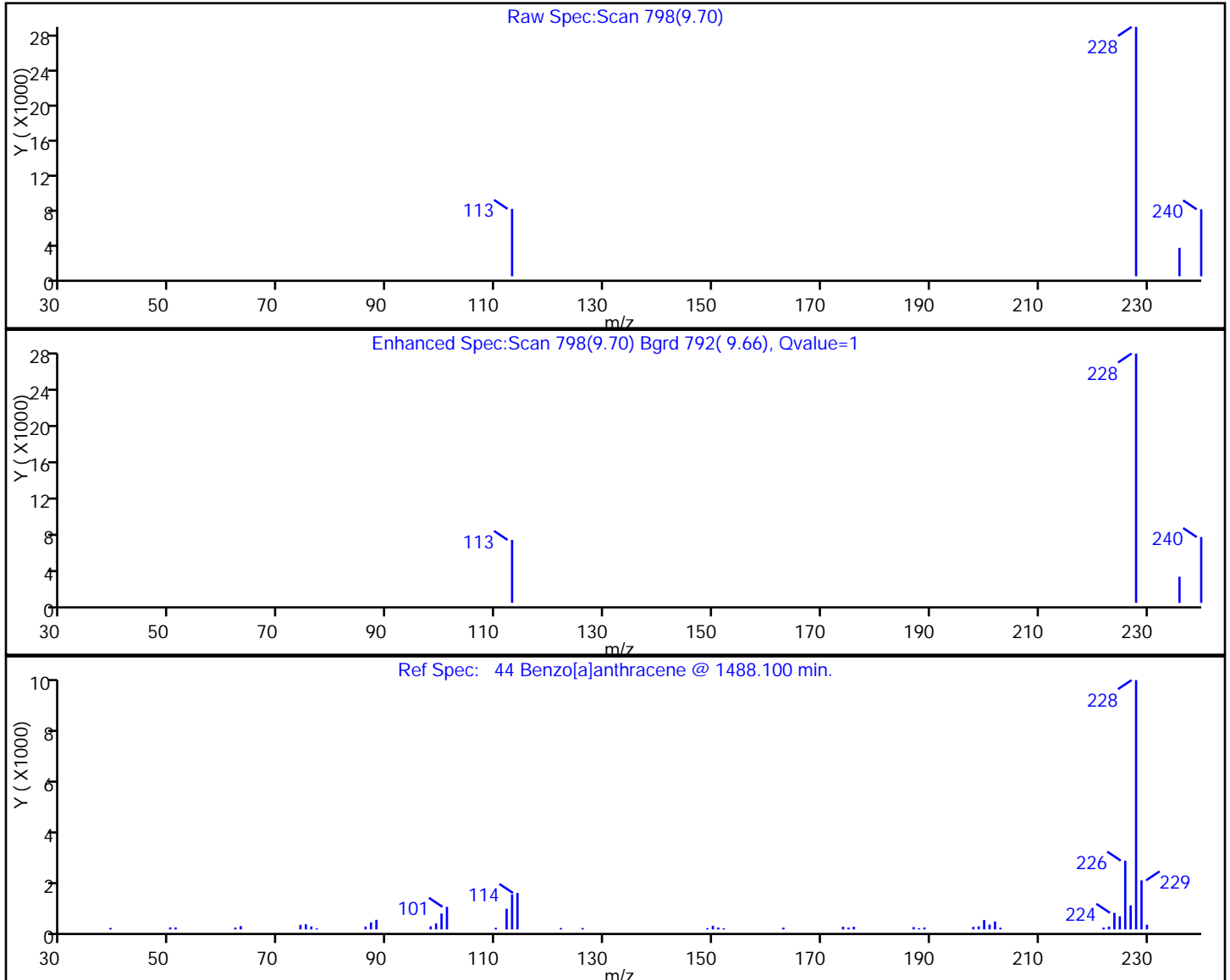
42 Fluoranthene



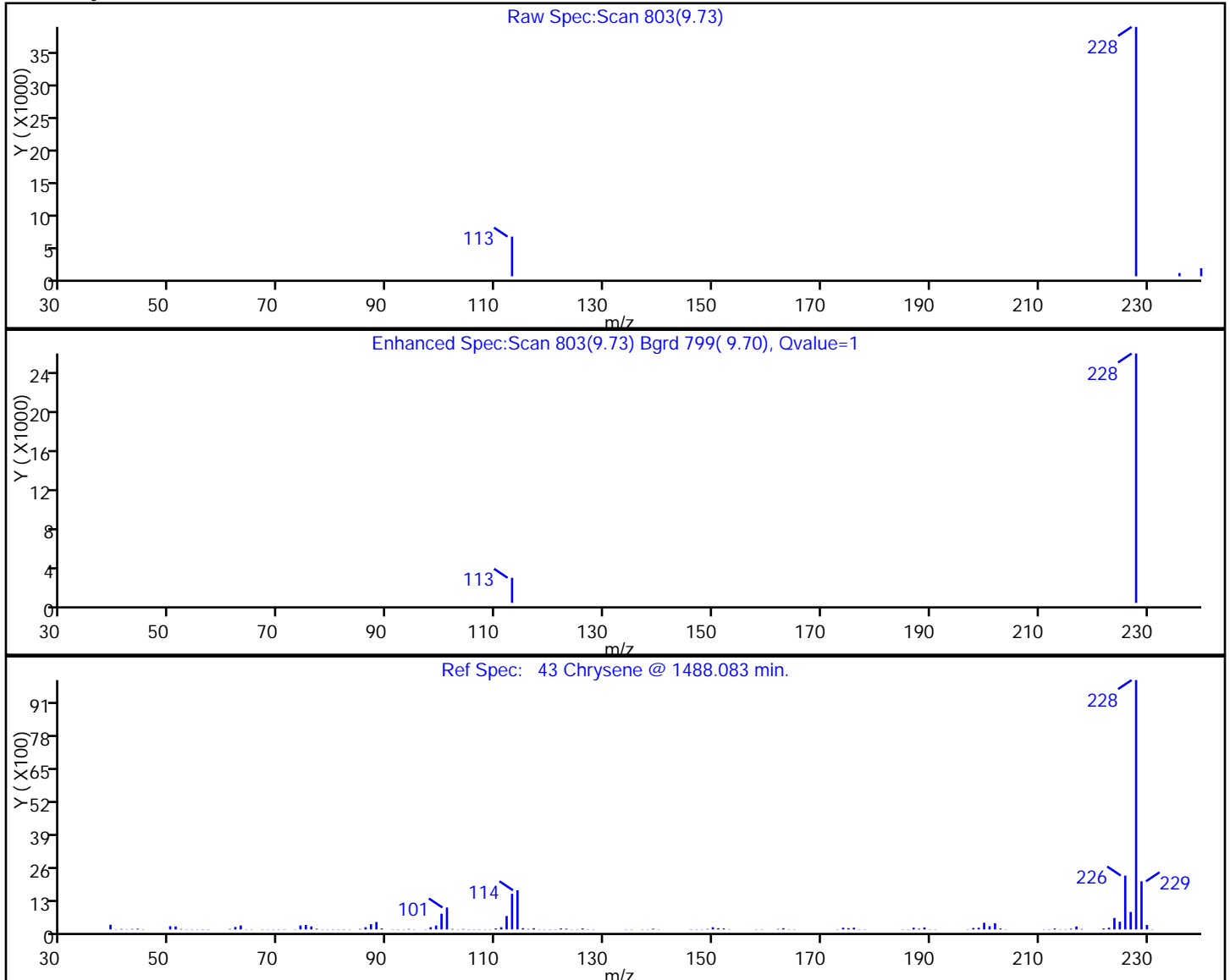
41 Pyrene



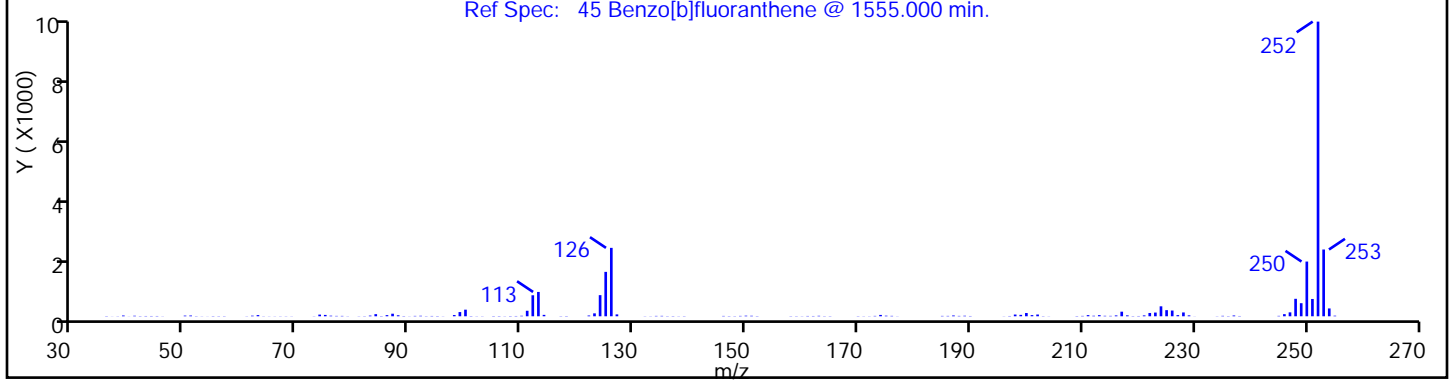
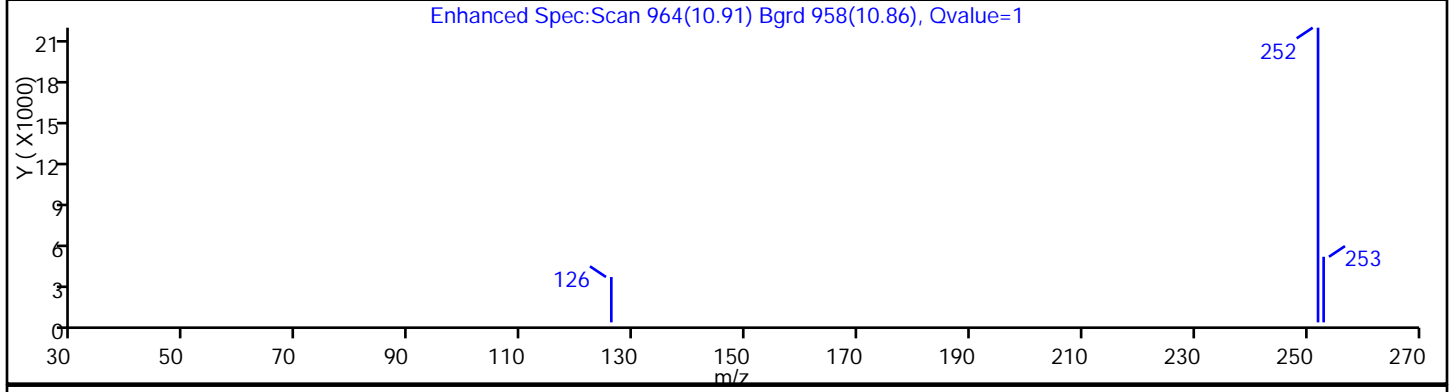
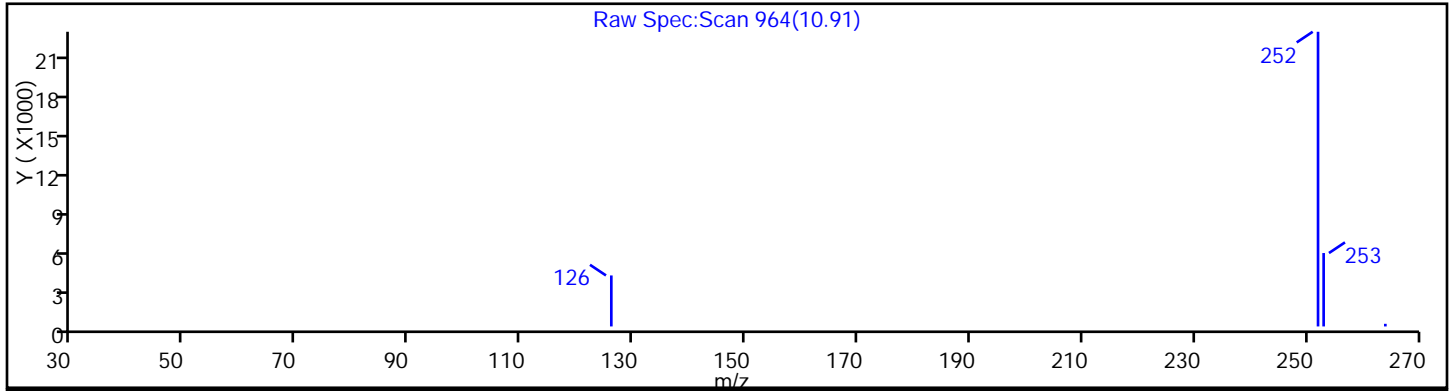
44 Benzo[a]anthracene



43 Chrysene



45 Benzo[b]fluoranthene



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

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

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28009.D

Injection Date: 25-May-2012 12:56:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA08-COMP-120507

Instrument ID: TAC023

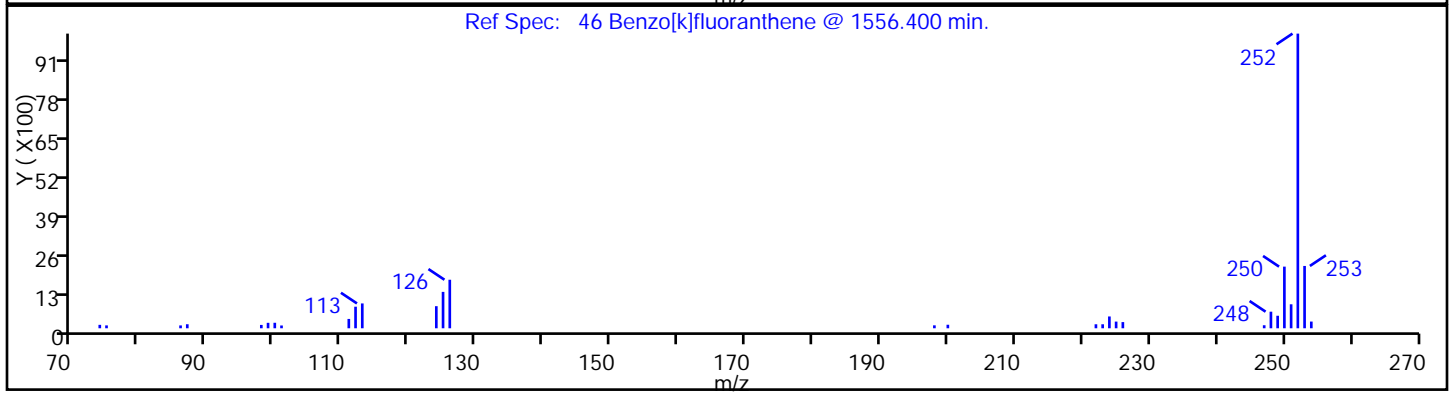
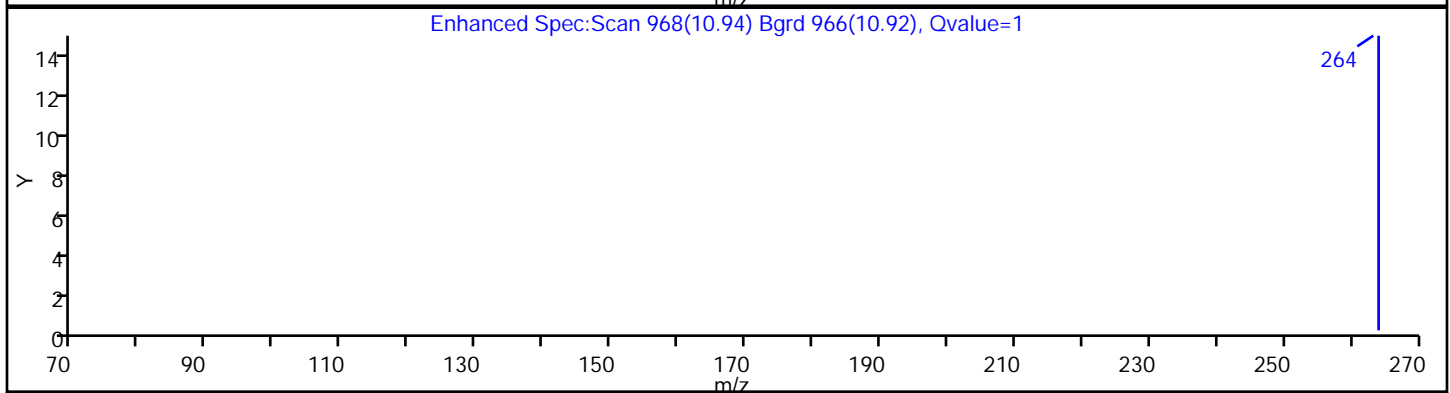
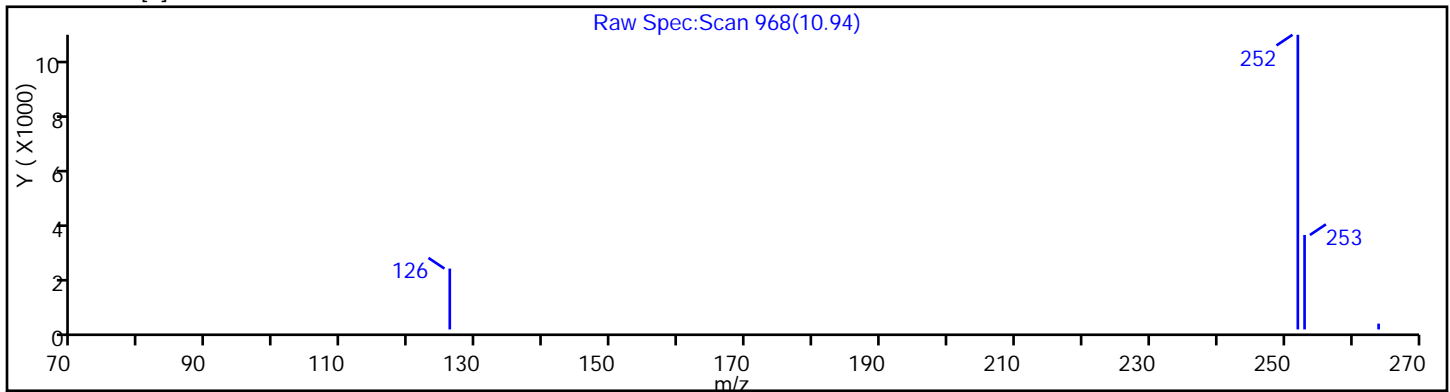
Lims Batch ID: 112072

Lims Sample ID: 6

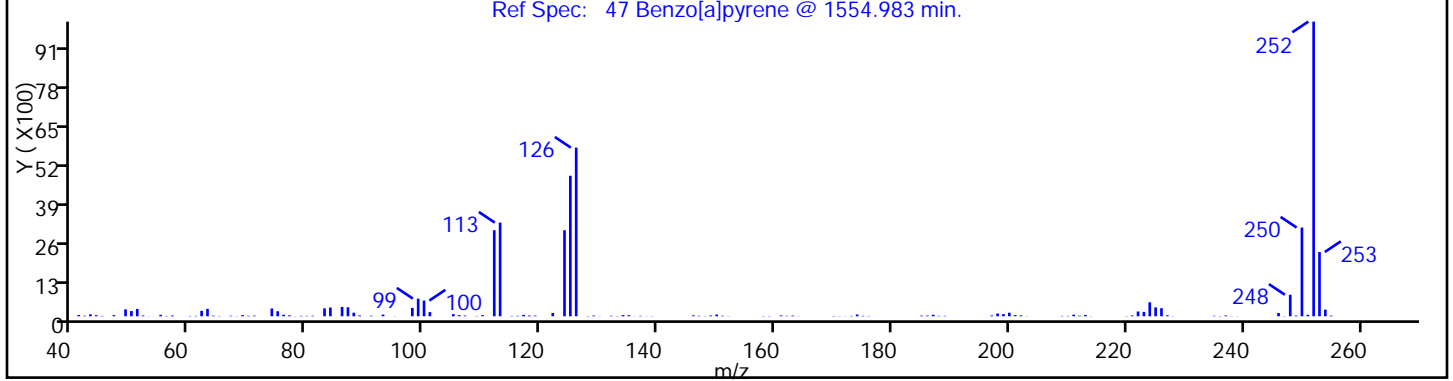
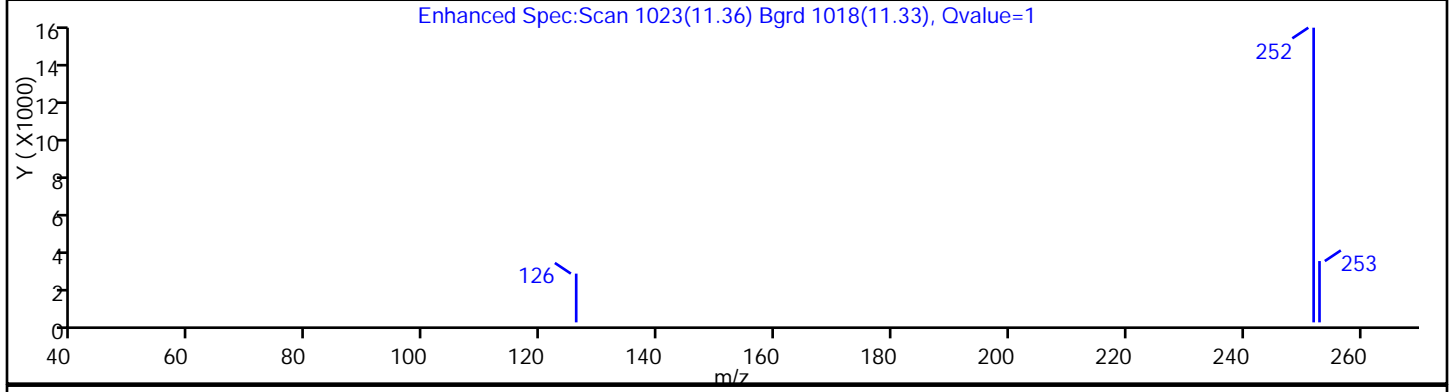
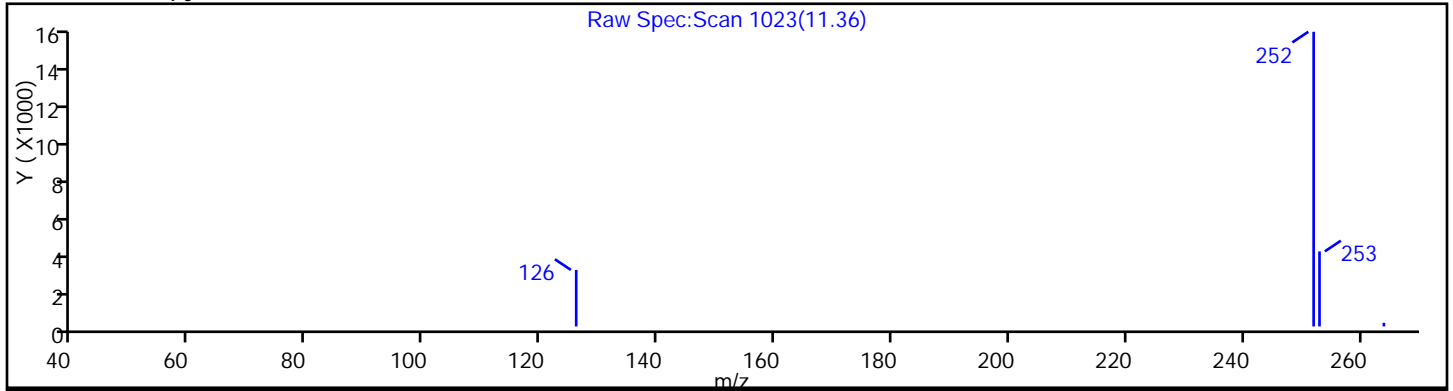
Operator ID: bat

Injection Vol: 1.00 ul

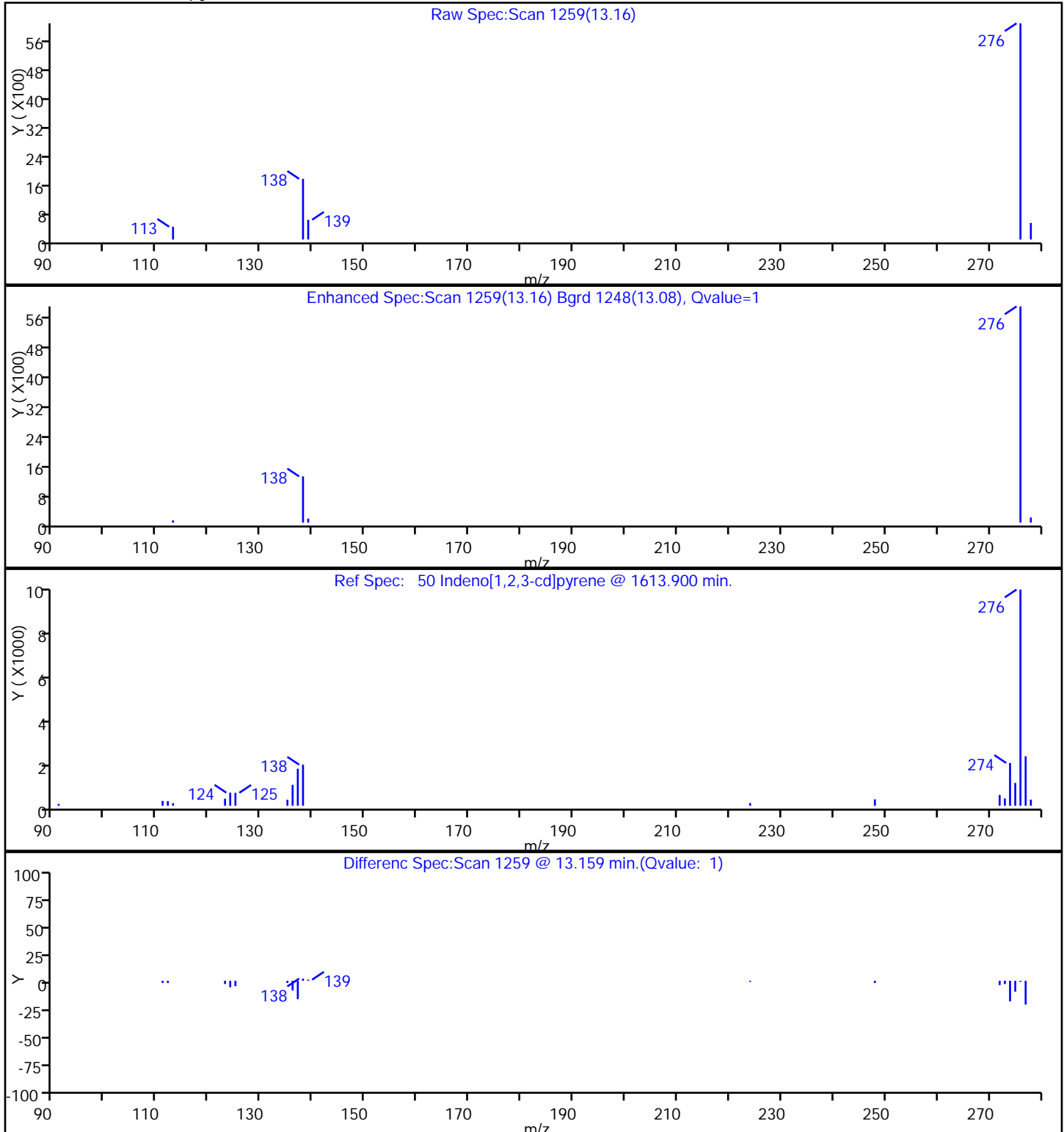
46 Benzo[k]fluoranthene



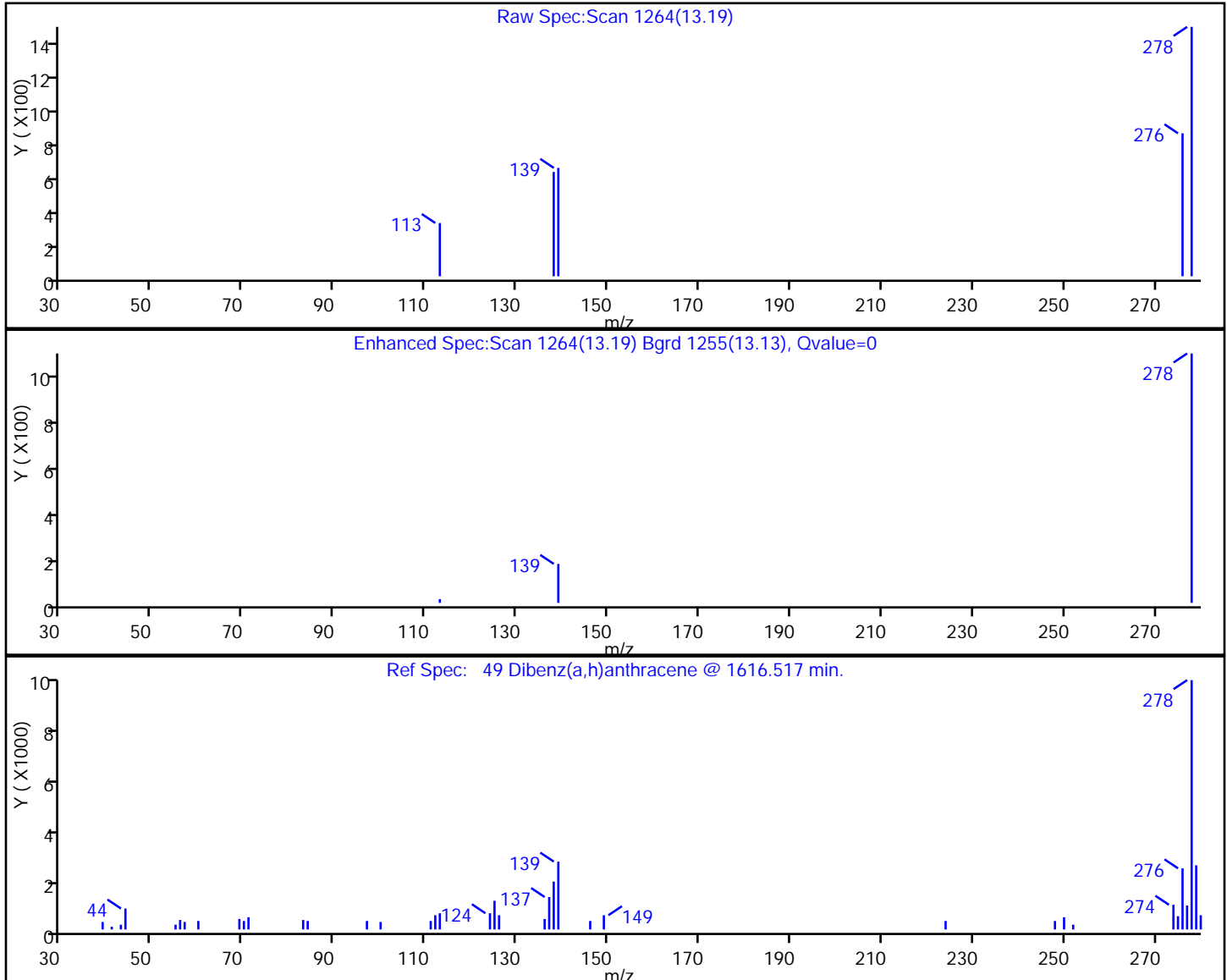
47 Benzo[a]pyrene



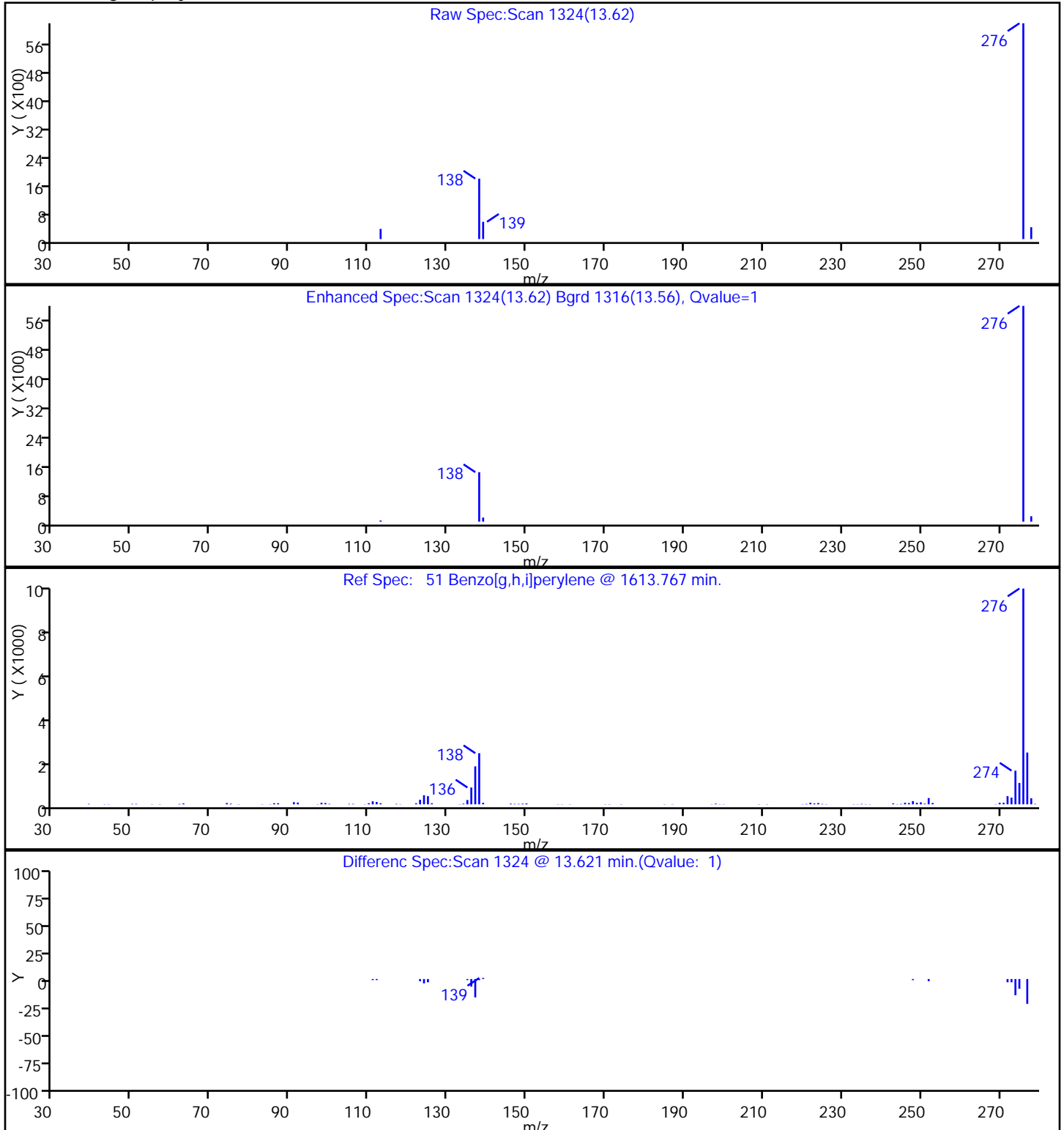
50 Indeno[1,2,3-cd]pyrene



49 Dibenz(a,h)anthracene



51 Benzo[g,h,i]perylene

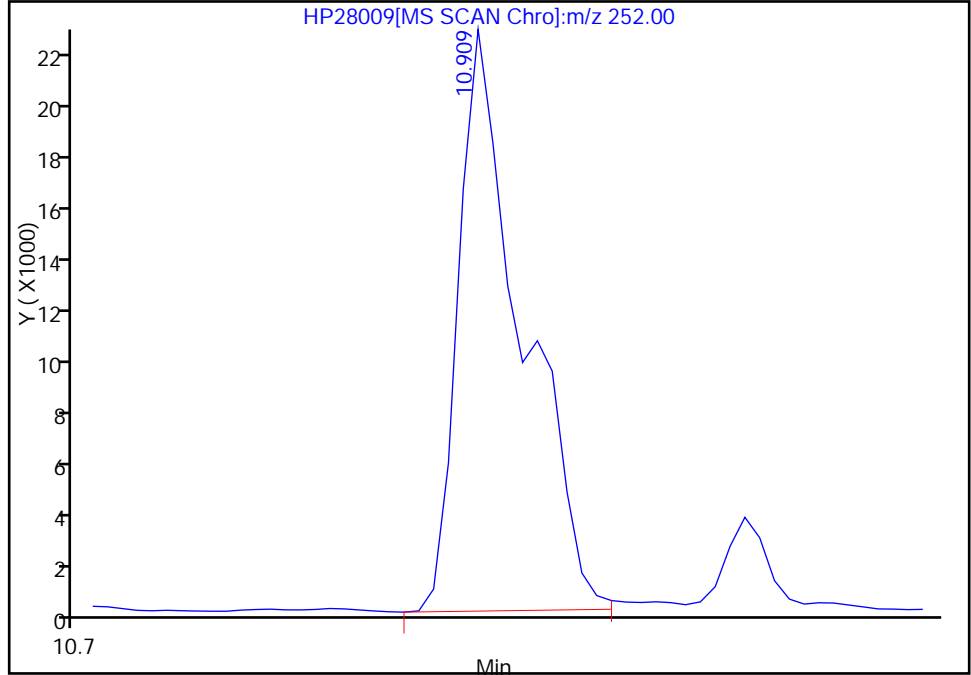


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28009.D
Injection Date: 25-May-2012 12:56:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-EA08-COMP-120507 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 6
Operator ID: bat Injection Vol: 1.00 ul

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

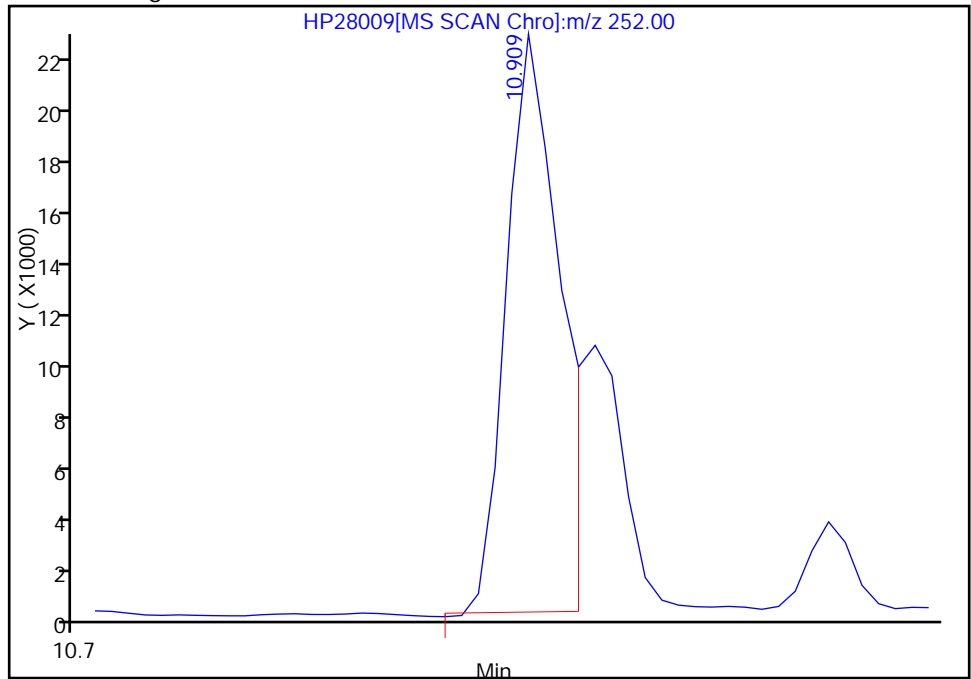
RT: 10.91
Response: 50169
Amount: 87.308766

Processing Integration Results



RT: 10.91
Response: 35724
Amount: 62.170231

Manual Integration Results



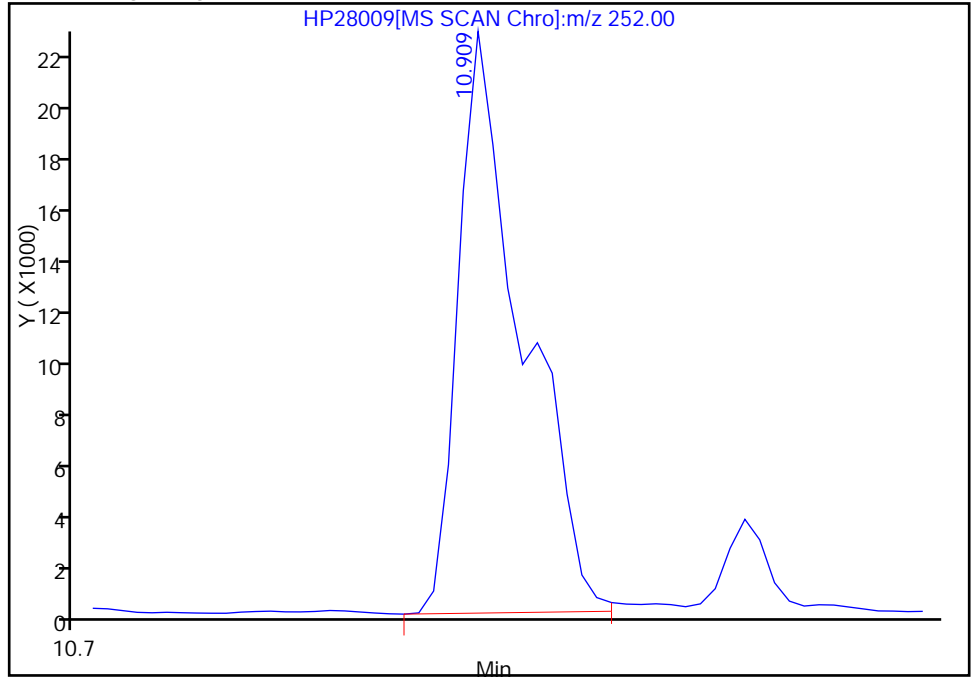
Reviewer: tadesseb, 25-May-2012 16:17:33
Audit Action: Manually Integrated
Audit Reason: Baseline

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

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

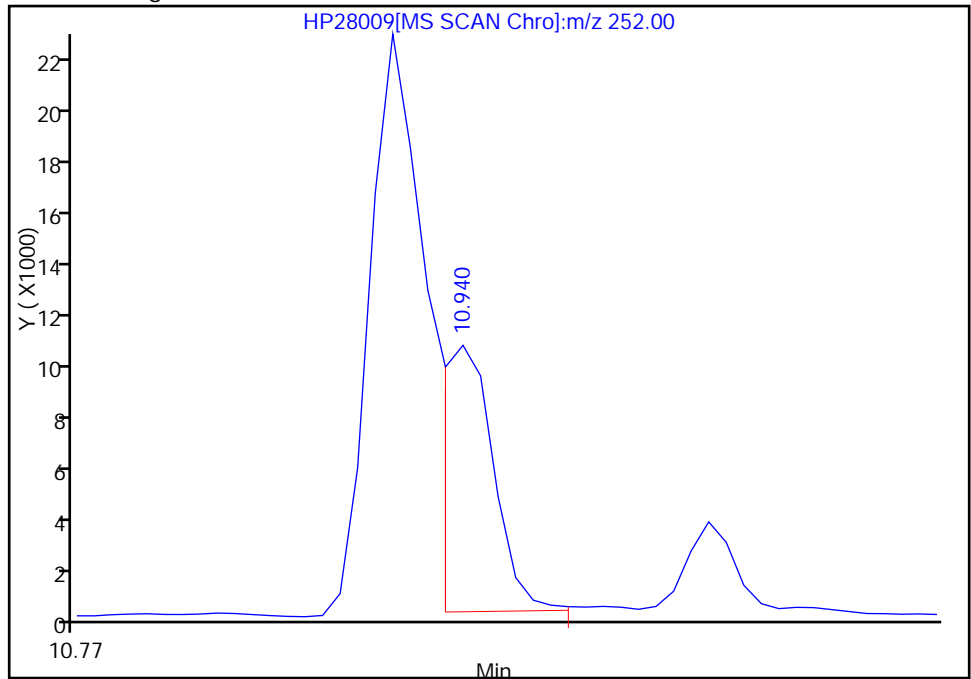
RT: 10.91
Response: 50169
Amount: 86.203829

Processing Integration Results



RT: 10.94
Response: 13691
Amount: 23.524819

Manual Integration Results



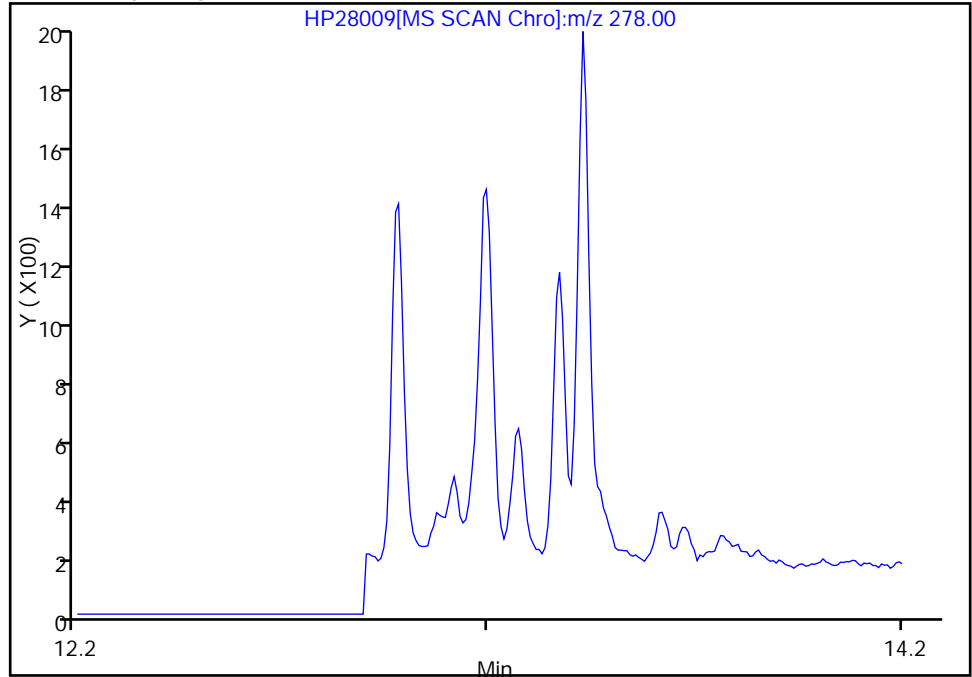
Reviewer: tadesseb, 25-May-2012 16:17:33
Audit Action: Manually Integrated
Audit Reason: Baseline

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

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

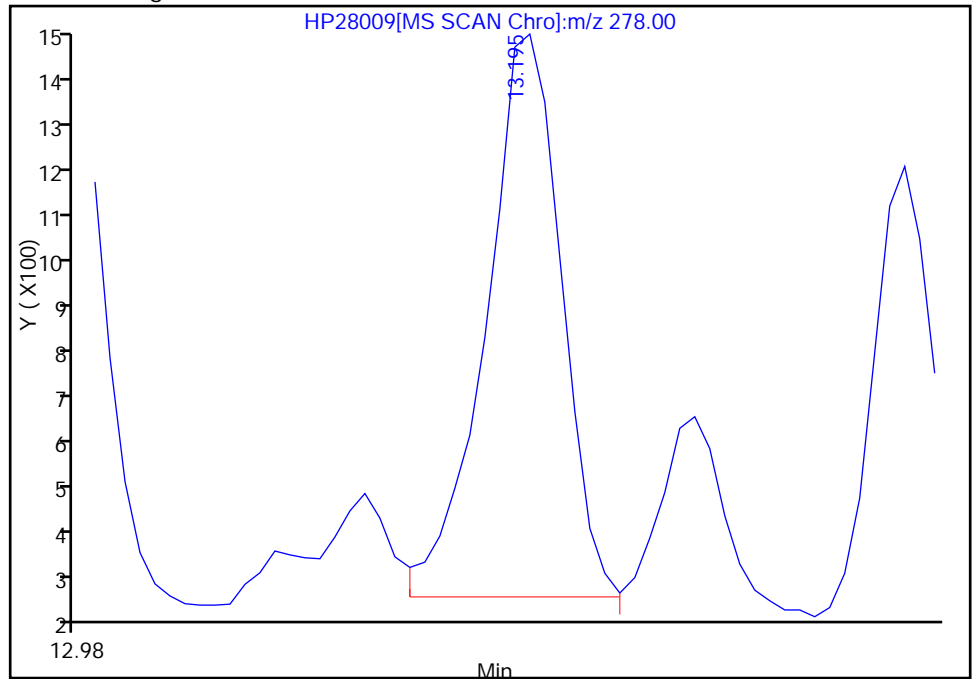
Not Detected
Expected RT: 13.20

Processing Integration Results



Manual Integration Results

RT: 13.19
Response: 2868
Amount: 5.858964



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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

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

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

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

TestAmerica Laboratories
Target Compound Quantitation Report

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

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

First Level Reviewer: tadesseb

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

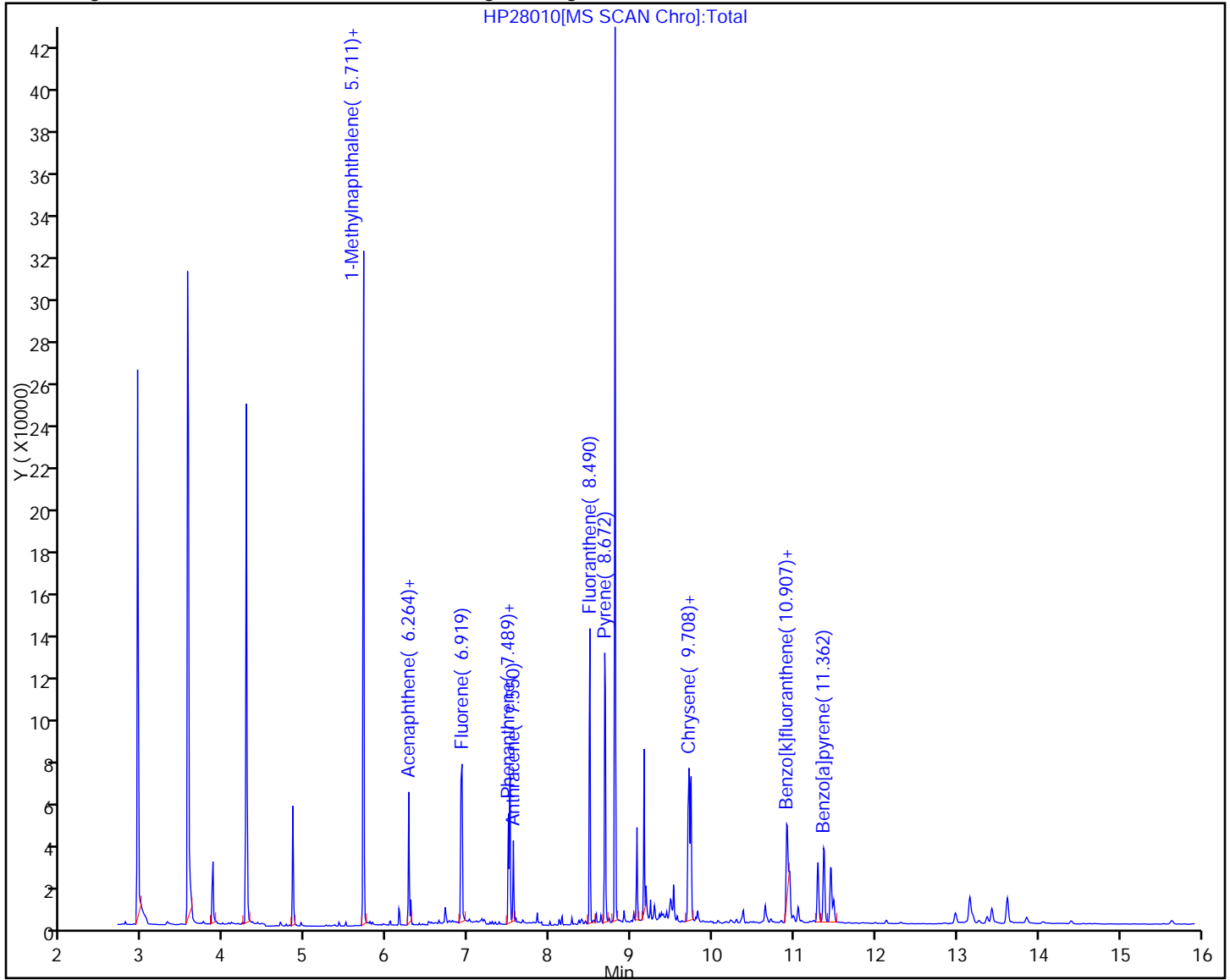
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	17075	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	46116	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	25628	98.0	
* 4 Phenanthrene-d10	188	7.489	7.490	-0.001	1	40245	98.0	
* 5 Chrysene-d12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

QC Flag Legend

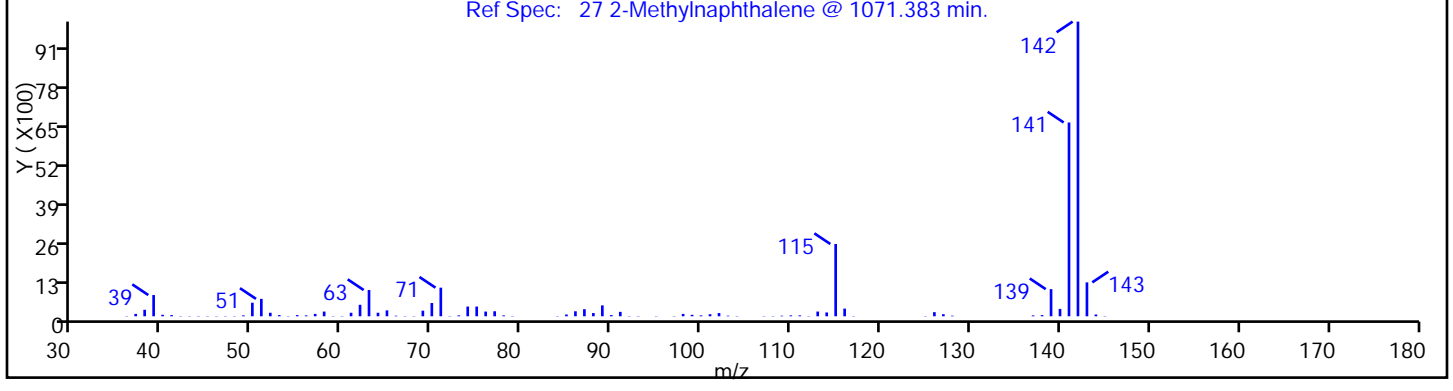
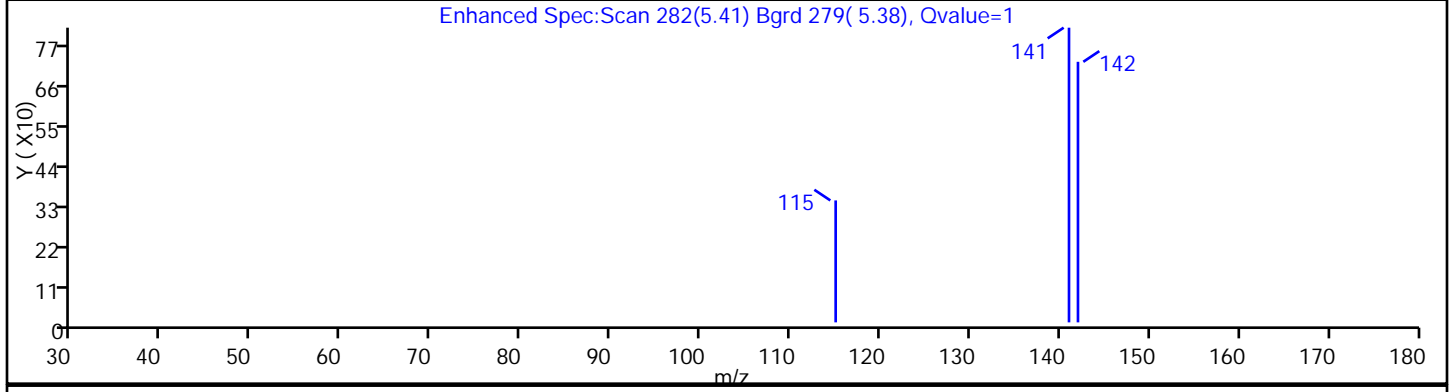
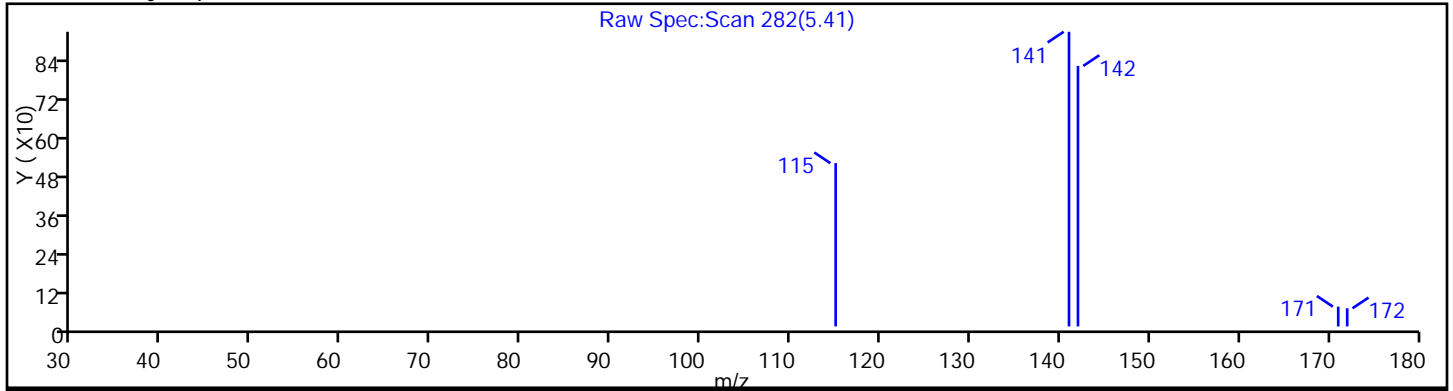
Review Flags

M - Manually Integrated

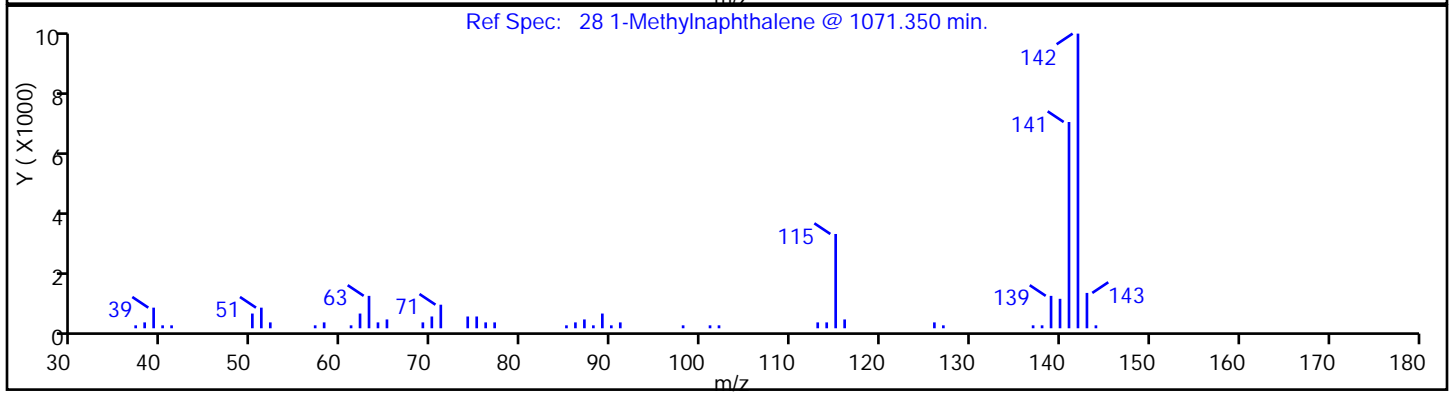
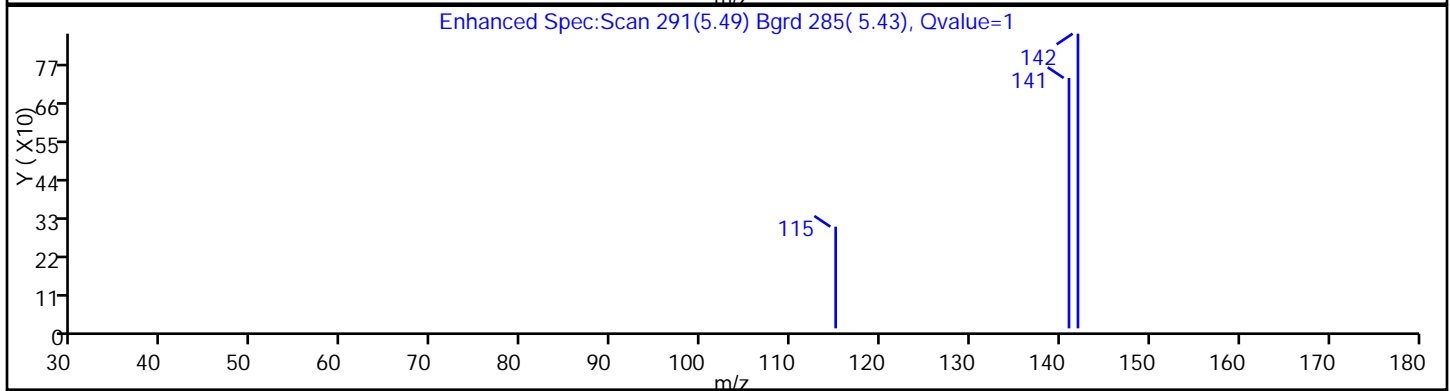
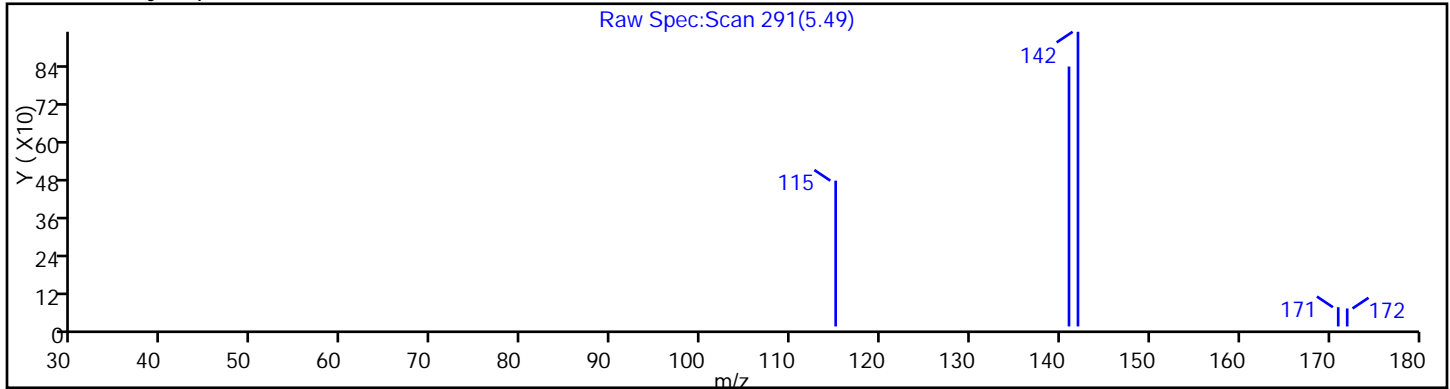
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



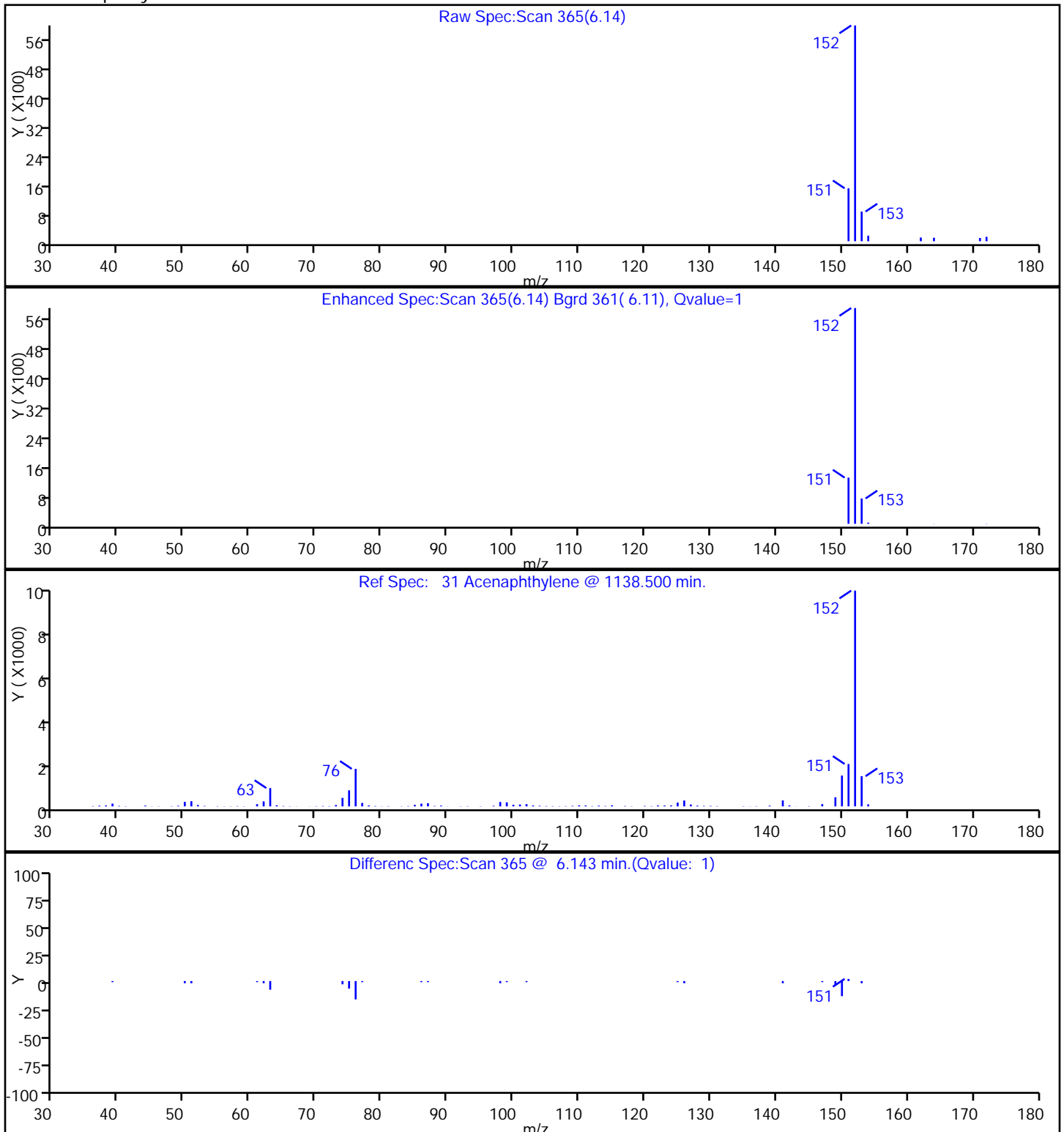
27 2-Methylnaphthalene



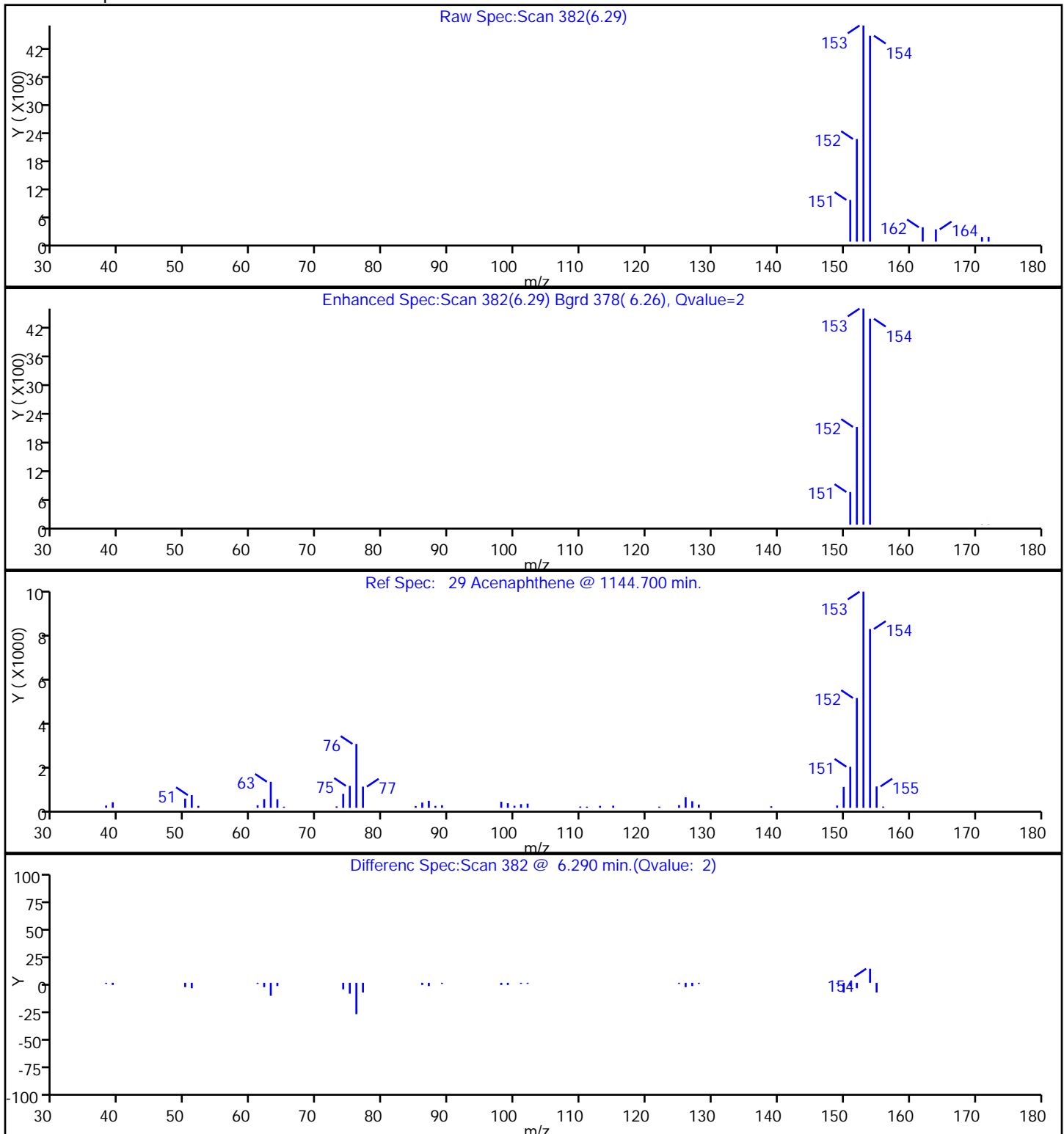
28 1-Methylnaphthalene



31 Acenaphthylene



29 Acenaphthene



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

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

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

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

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA10-COMP-120507

Instrument ID: TAC023

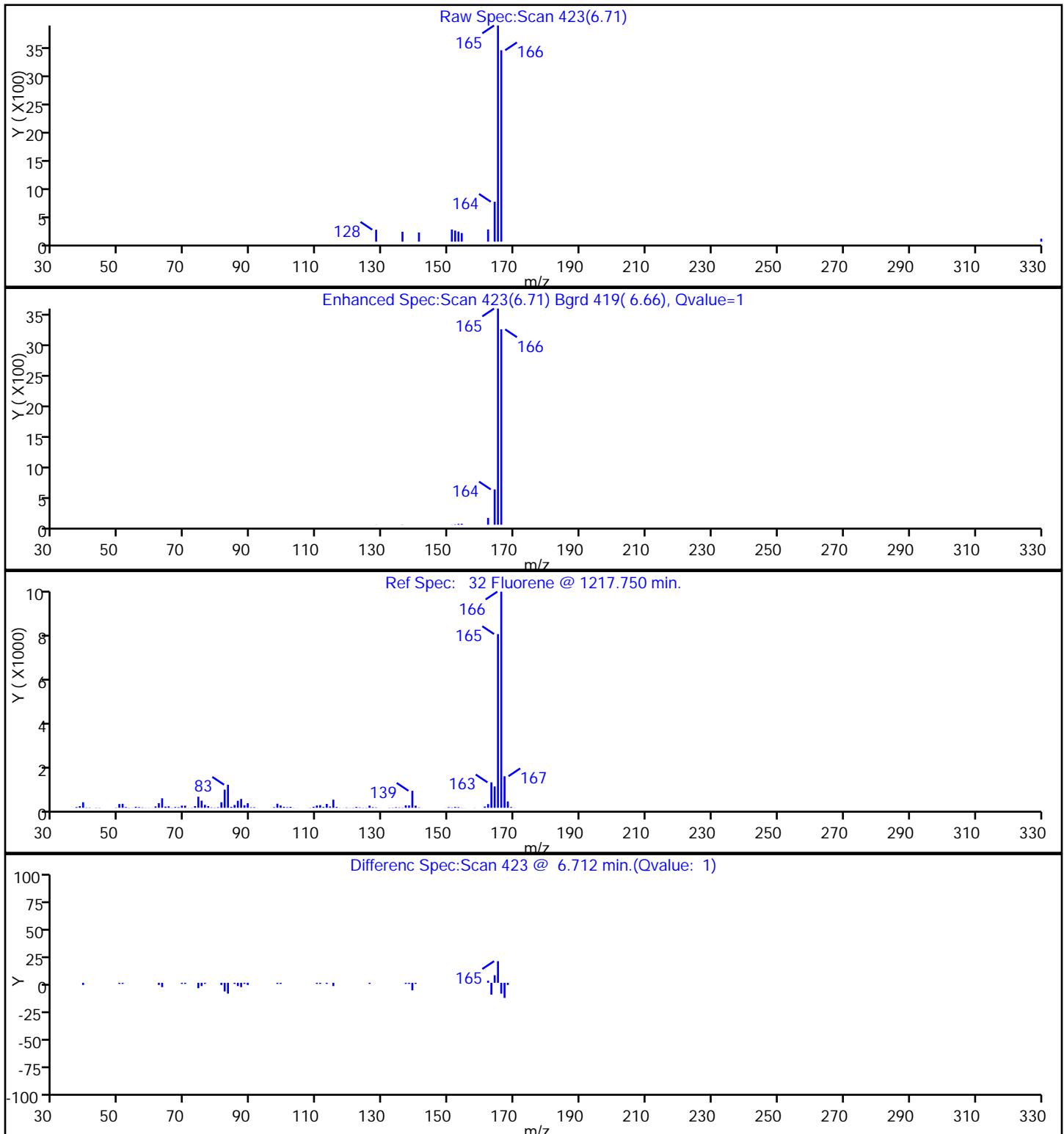
Lims Batch ID: 112072

Lims Sample ID: 7

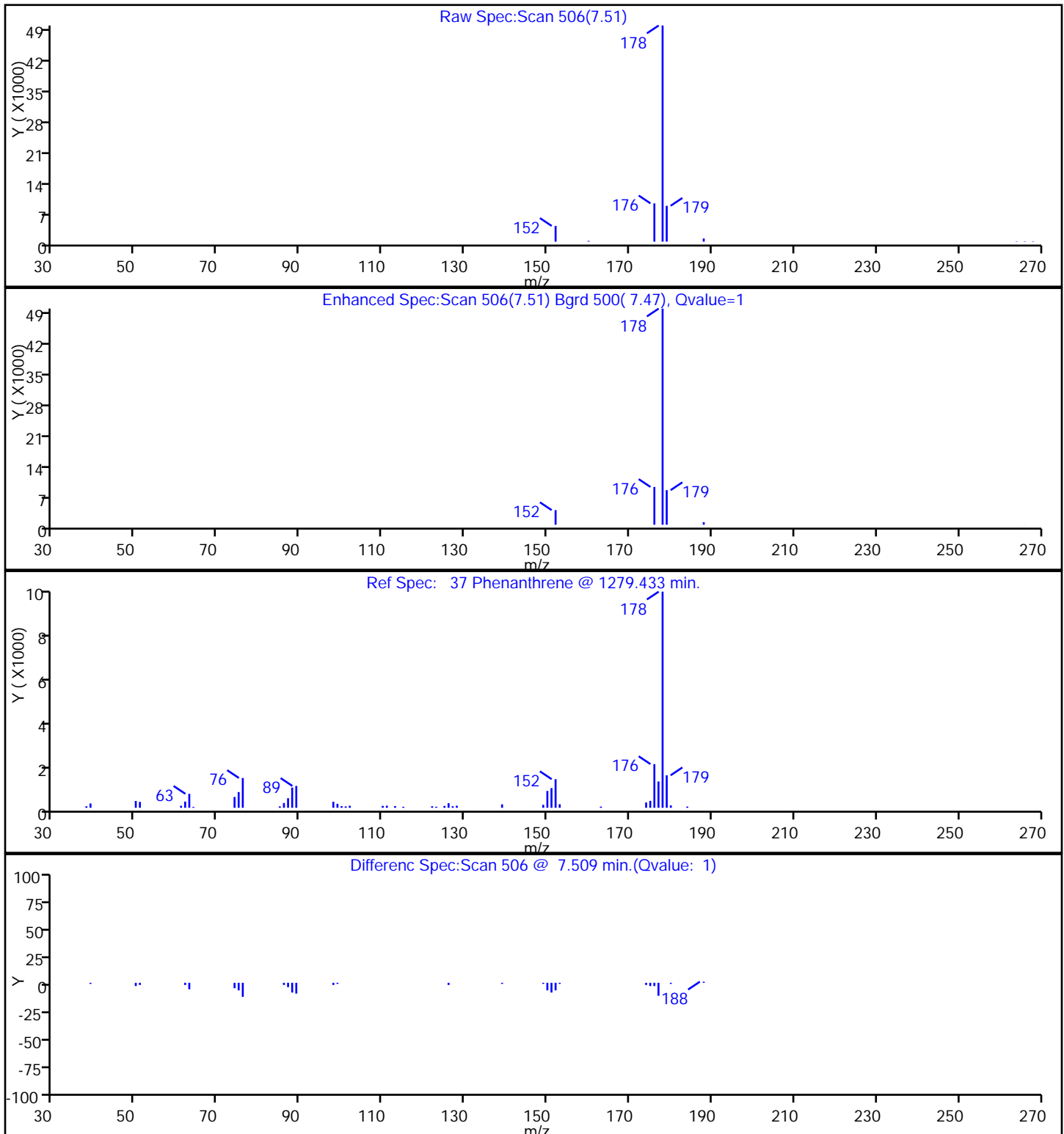
Operator ID: bat

Injection Vol: 1.00 ul

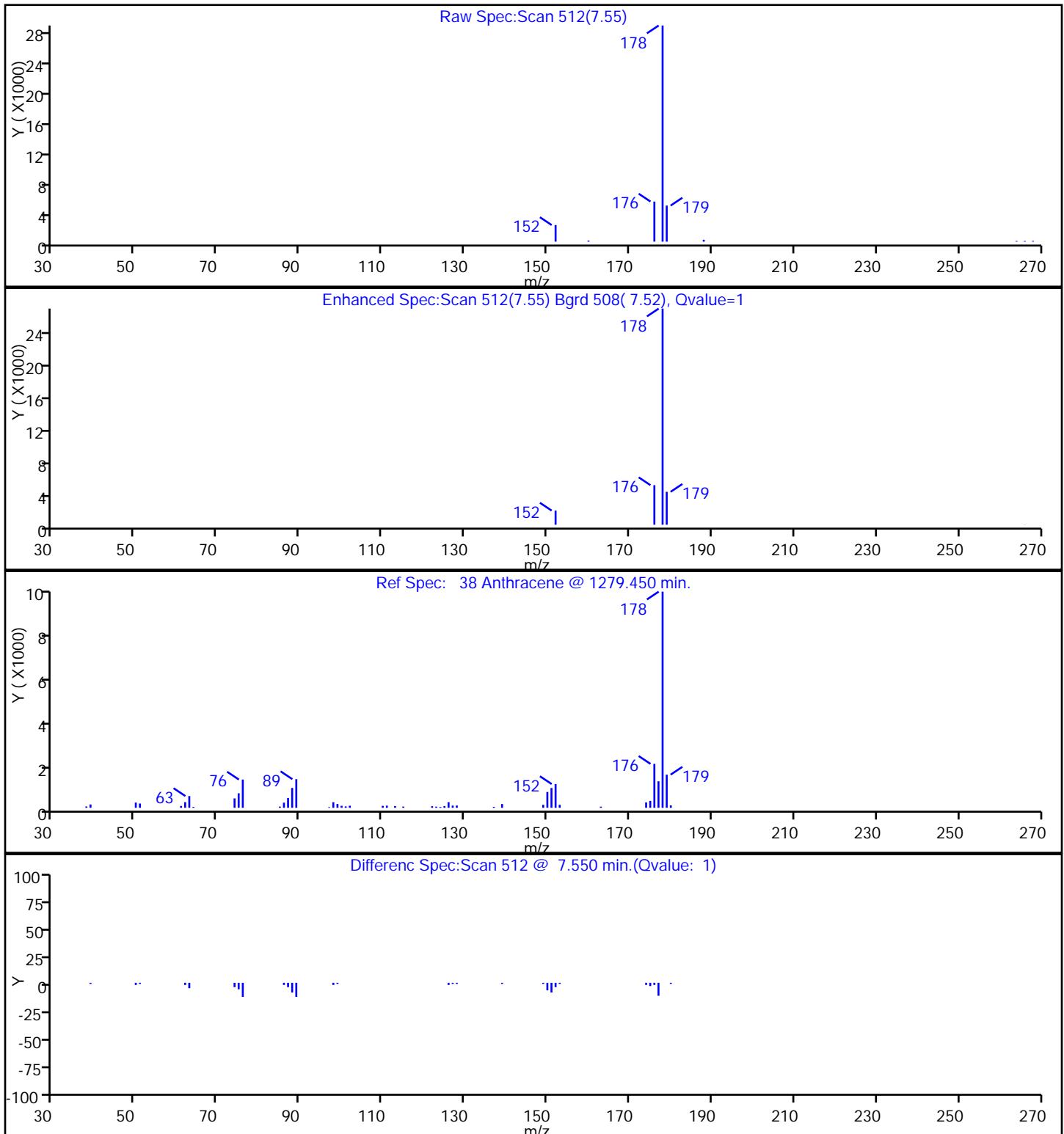
32 Fluorene



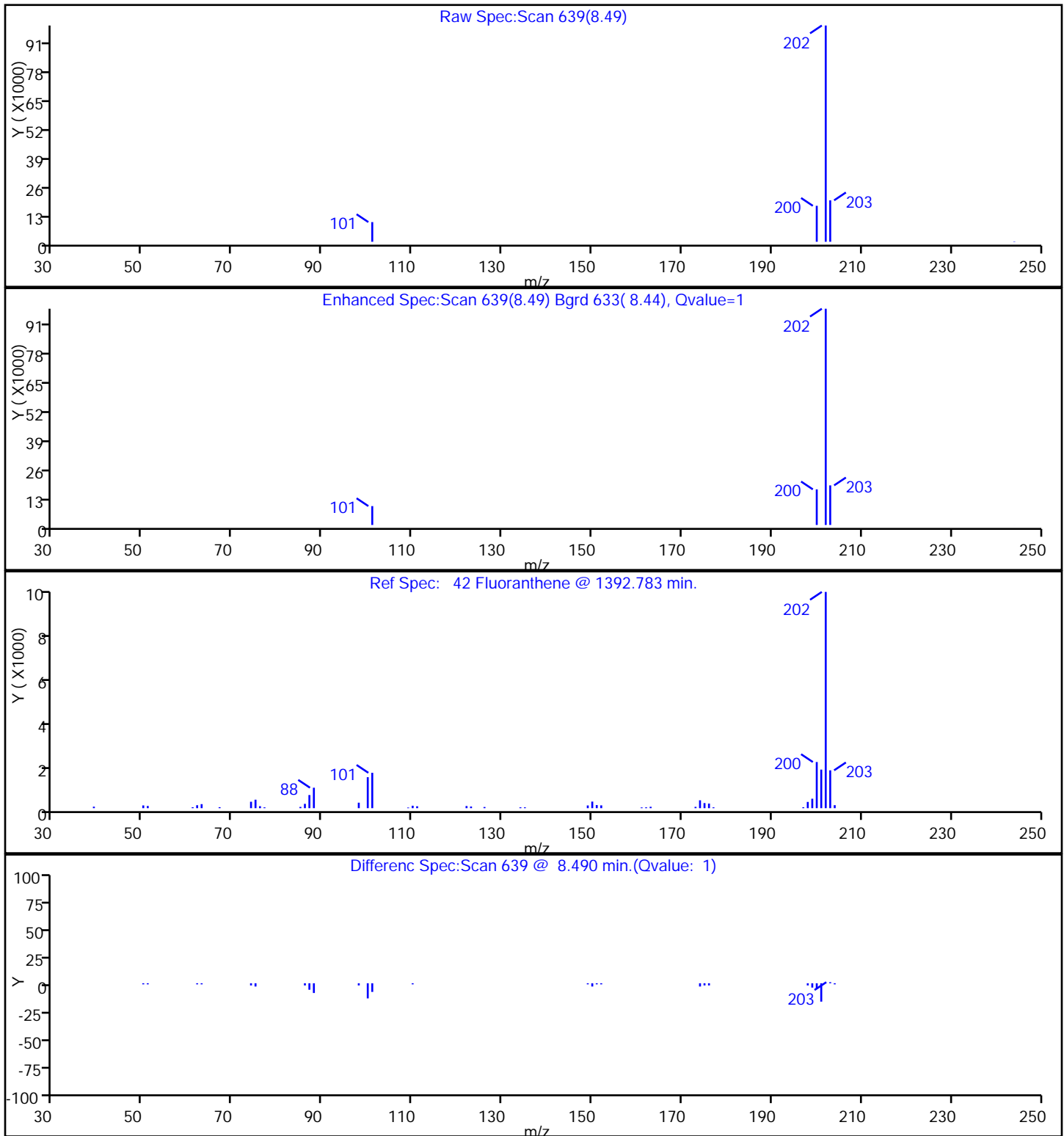
37 Phenanthrene



38 Anthracene



42 Fluoranthene



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

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

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

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

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA10-COMP-120507

Instrument ID: TAC023

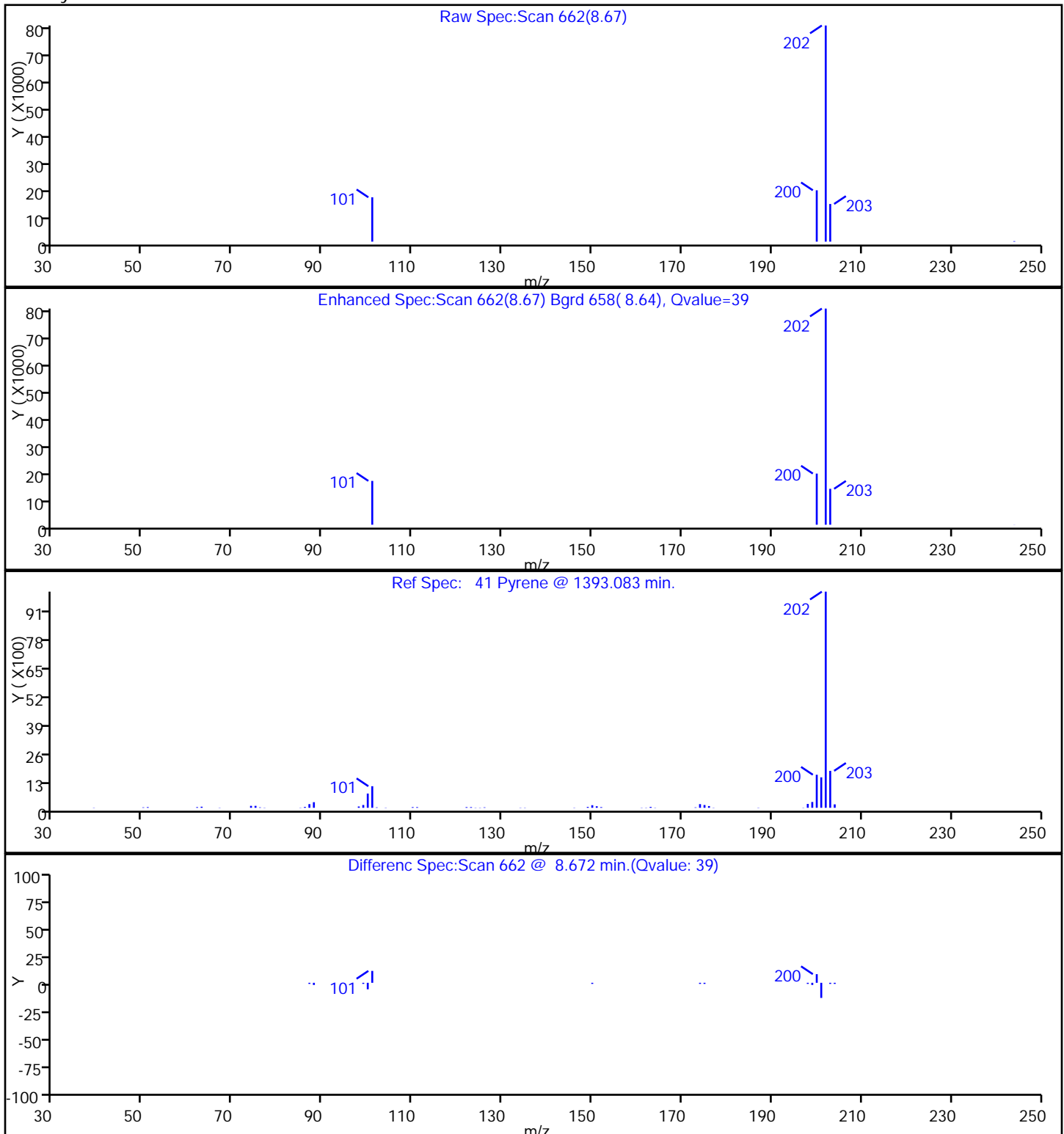
Lims Batch ID: 112072

Lims Sample ID: 7

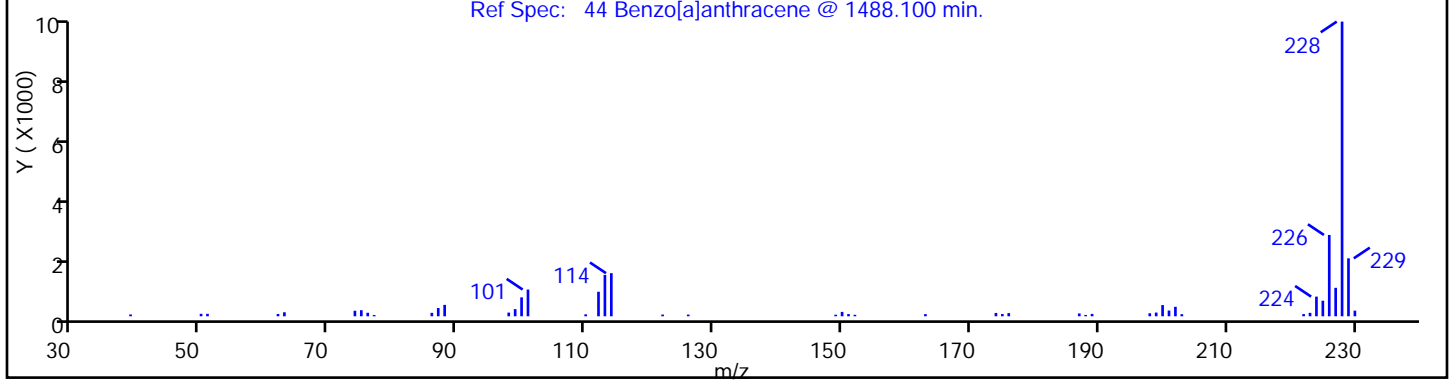
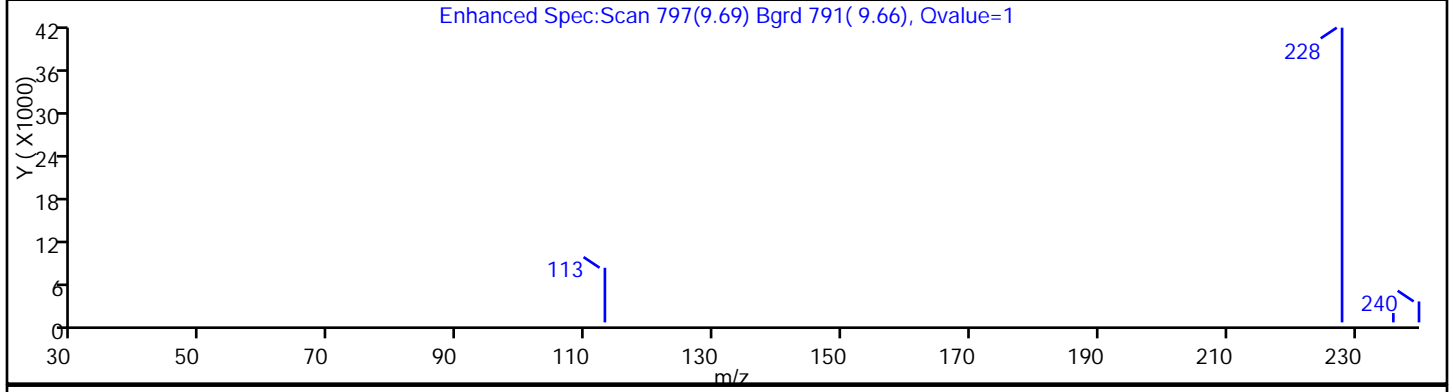
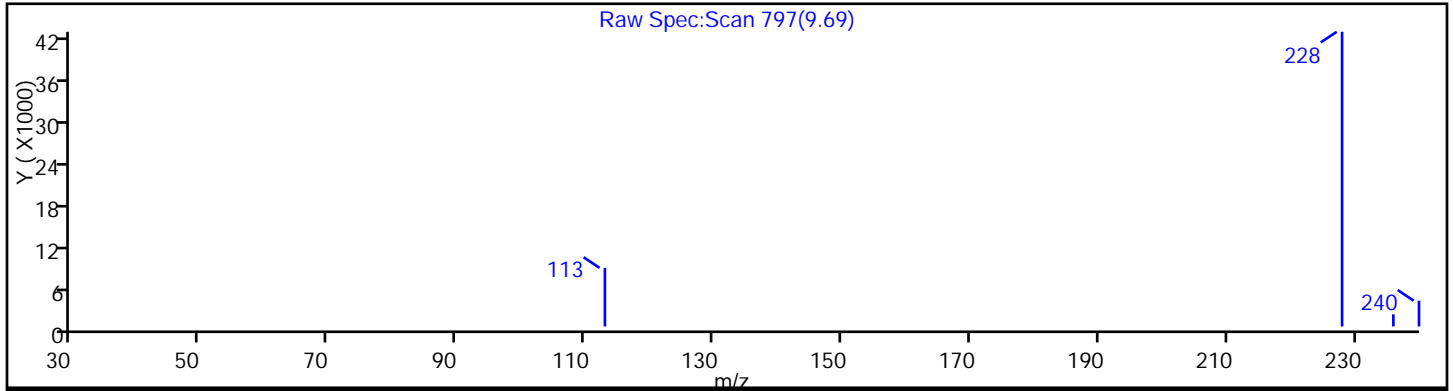
Operator ID: bat

Injection Vol: 1.00 ul

41 Pyrene



44 Benzo[a]anthracene



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

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

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

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

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA10-COMP-120507

Instrument ID: TAC023

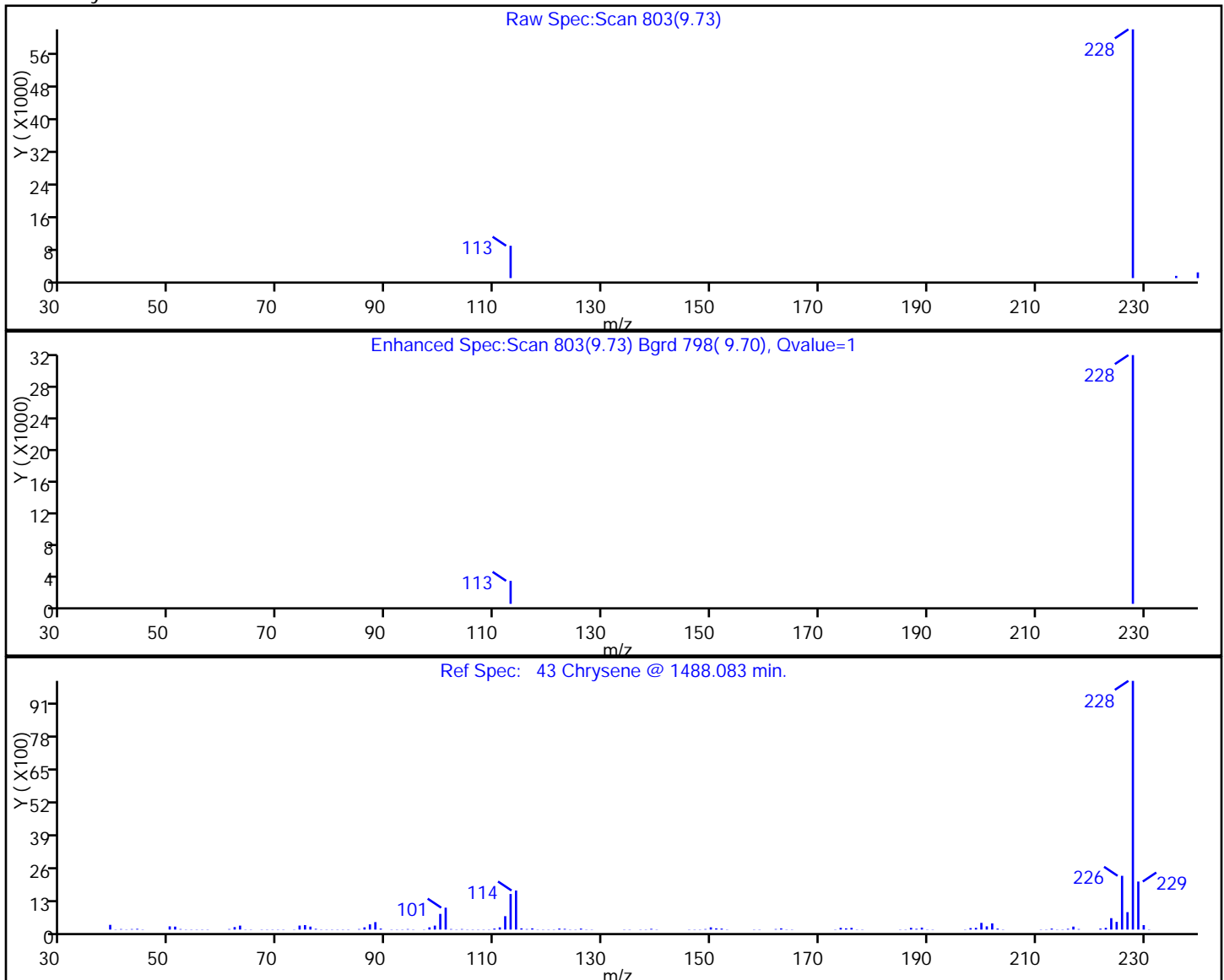
Lims Batch ID: 112072

Lims Sample ID: 7

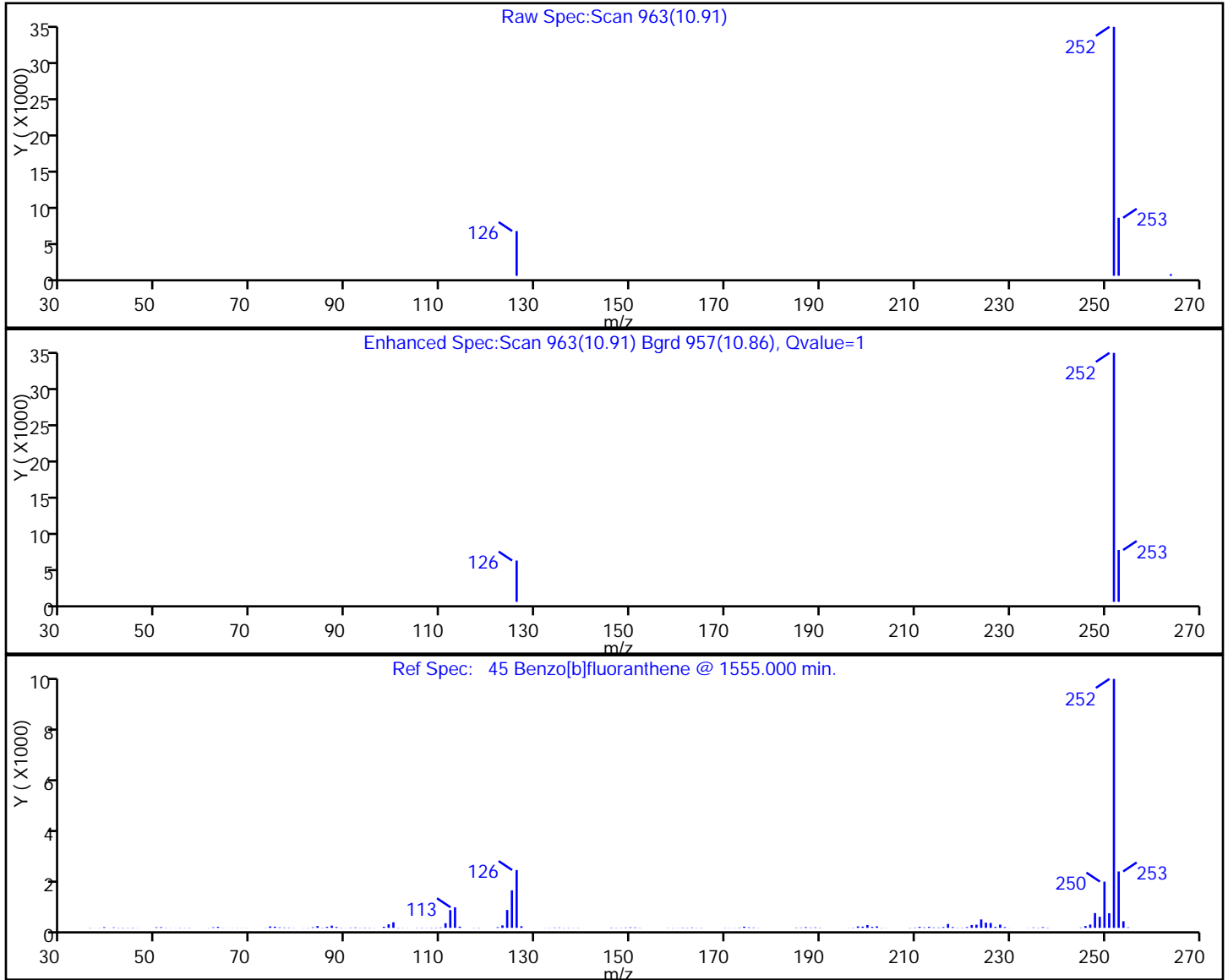
Operator ID: bat

Injection Vol: 1.00 ul

43 Chrysene



45 Benzo[b]fluoranthene



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

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

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

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

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA10-COMP-120507

Instrument ID: TAC023

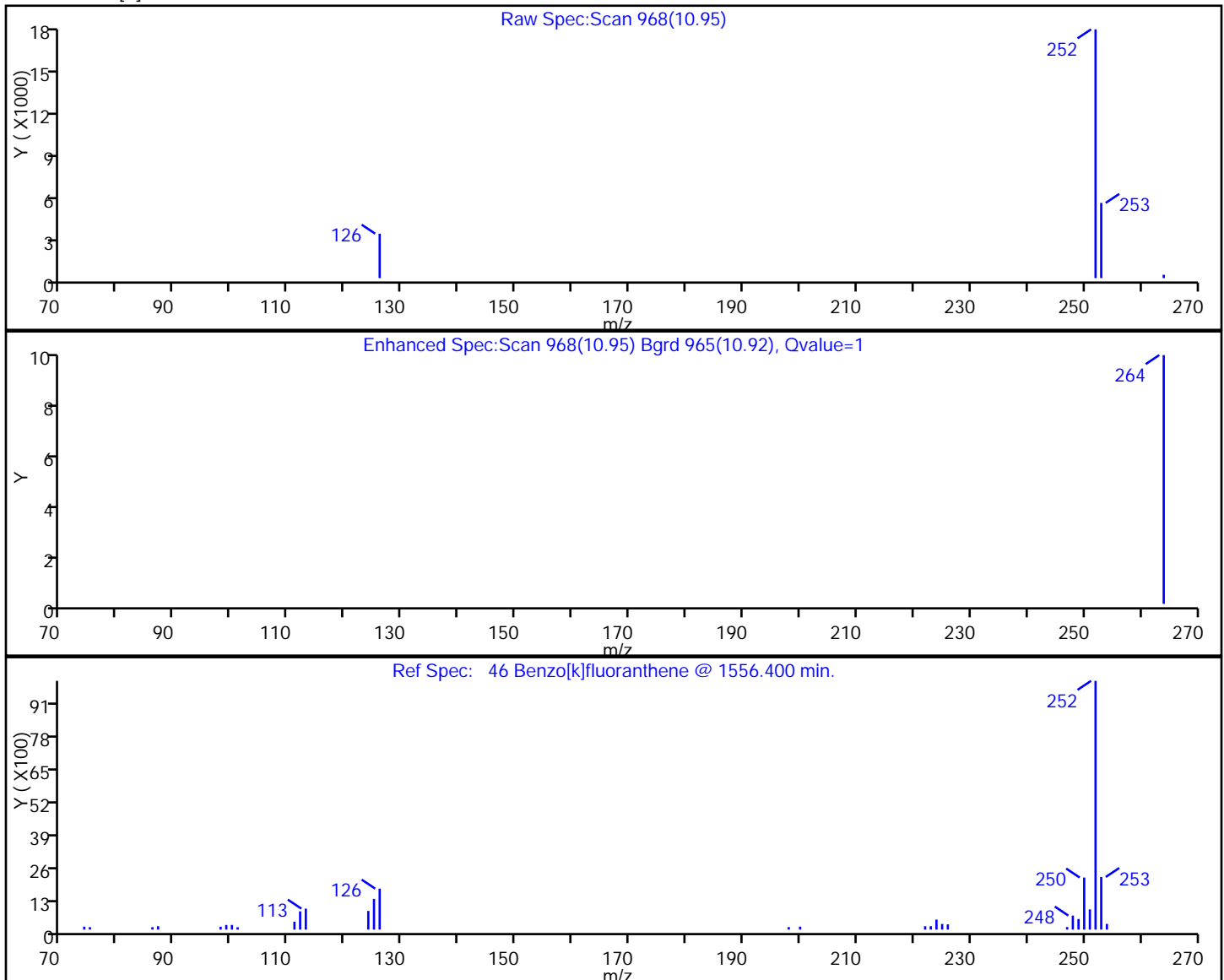
Lims Batch ID: 112072

Lims Sample ID: 7

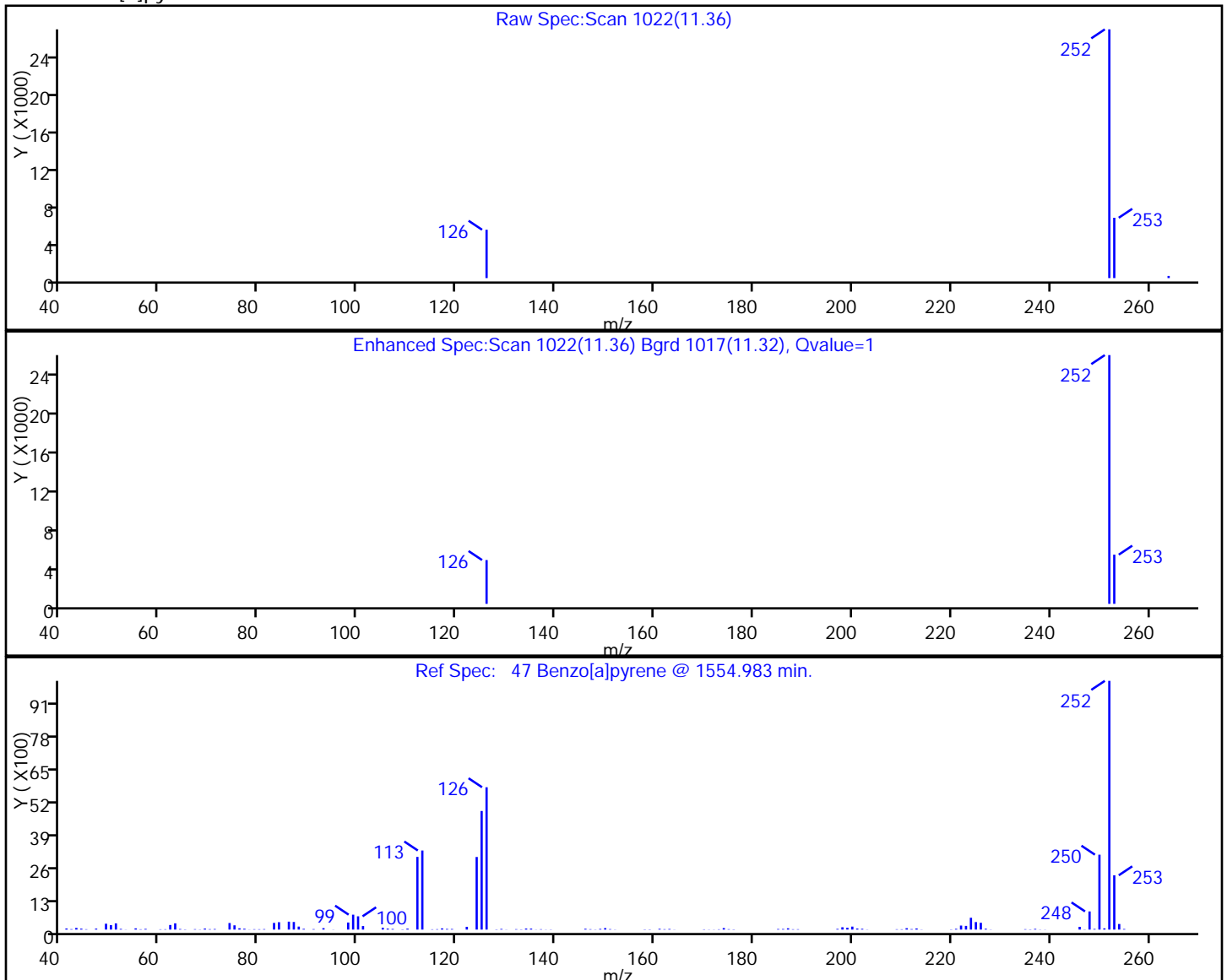
Operator ID: bat

Injection Vol: 1.00 ul

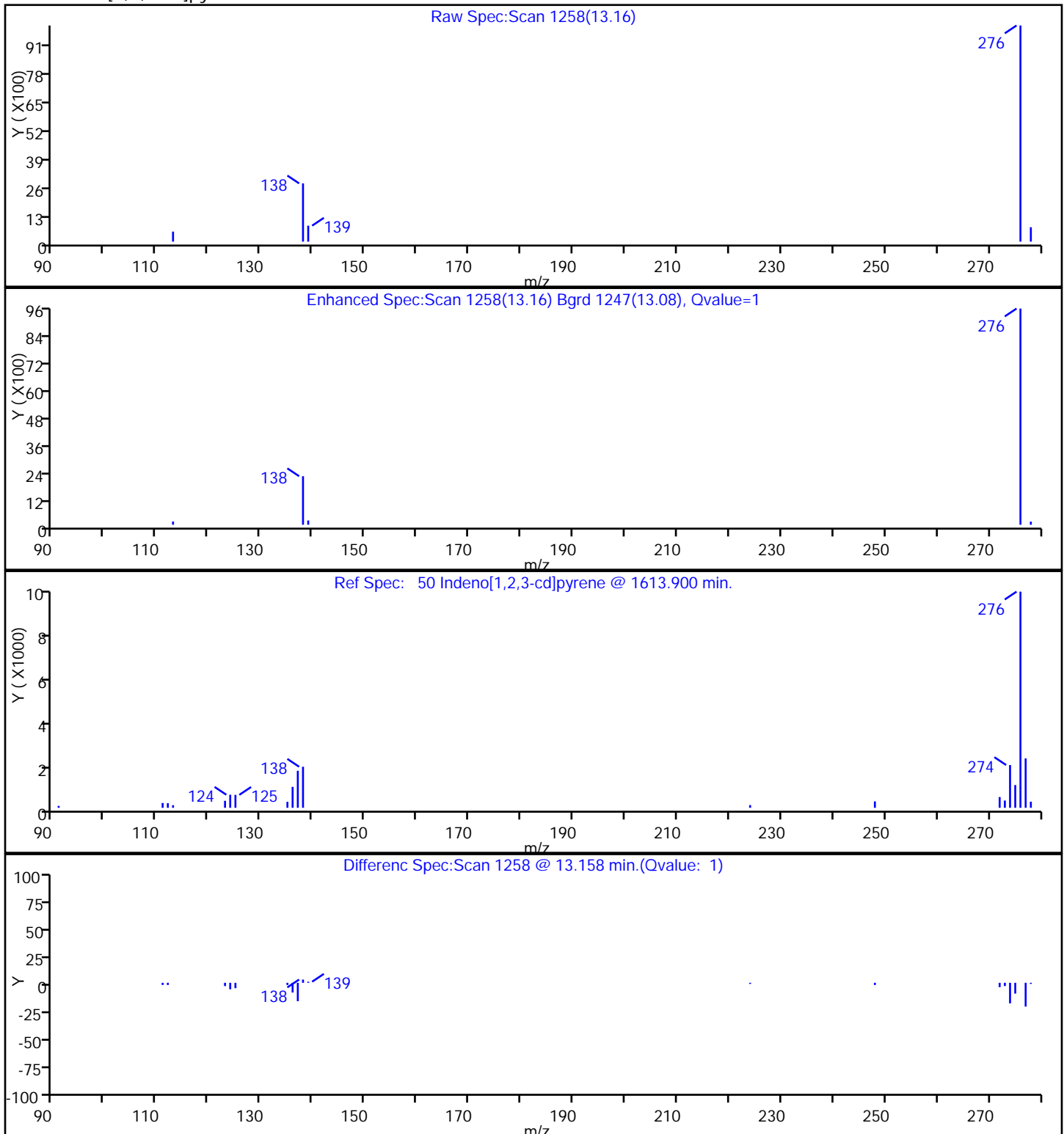
46 Benzo[k]fluoranthene



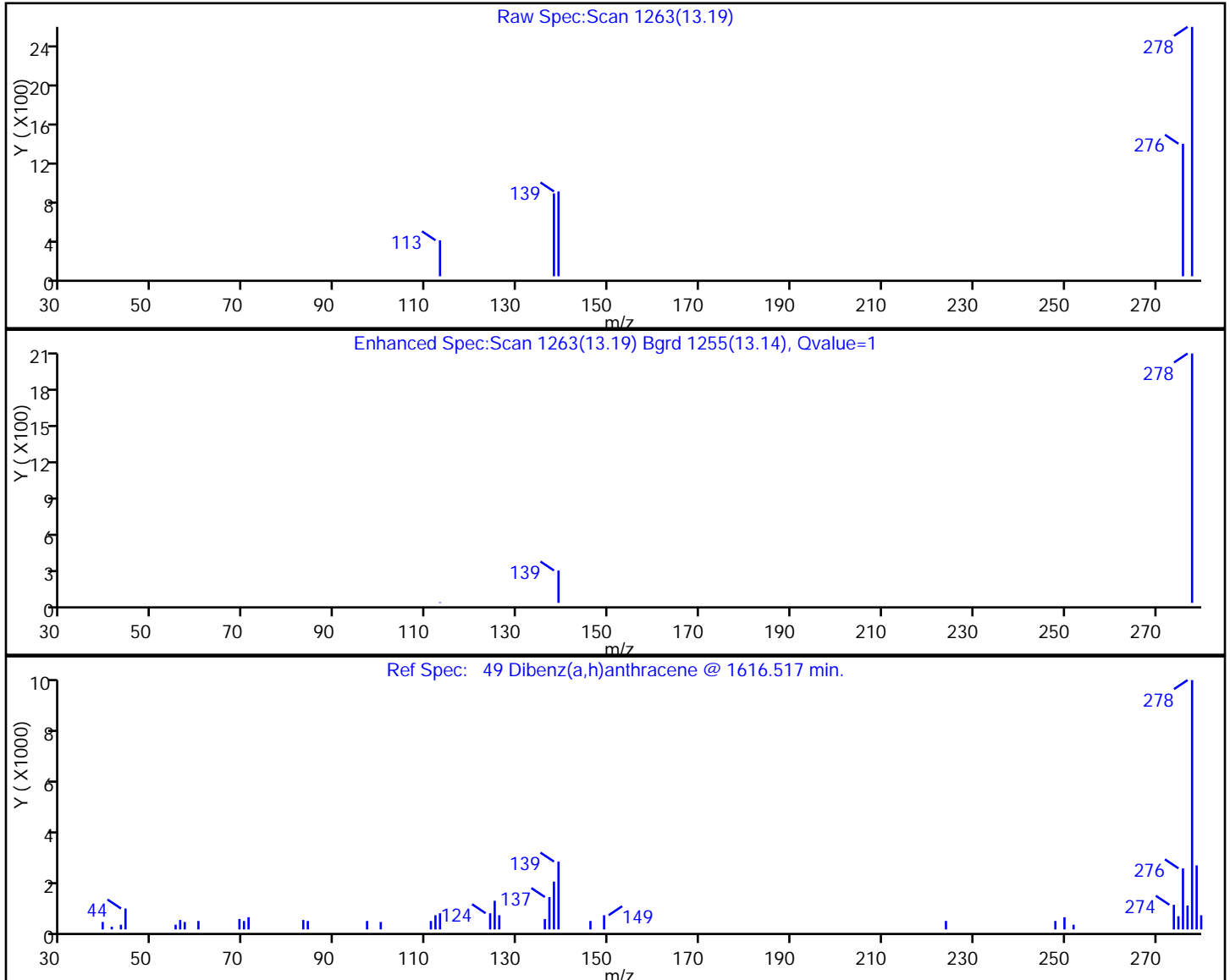
47 Benzo[a]pyrene



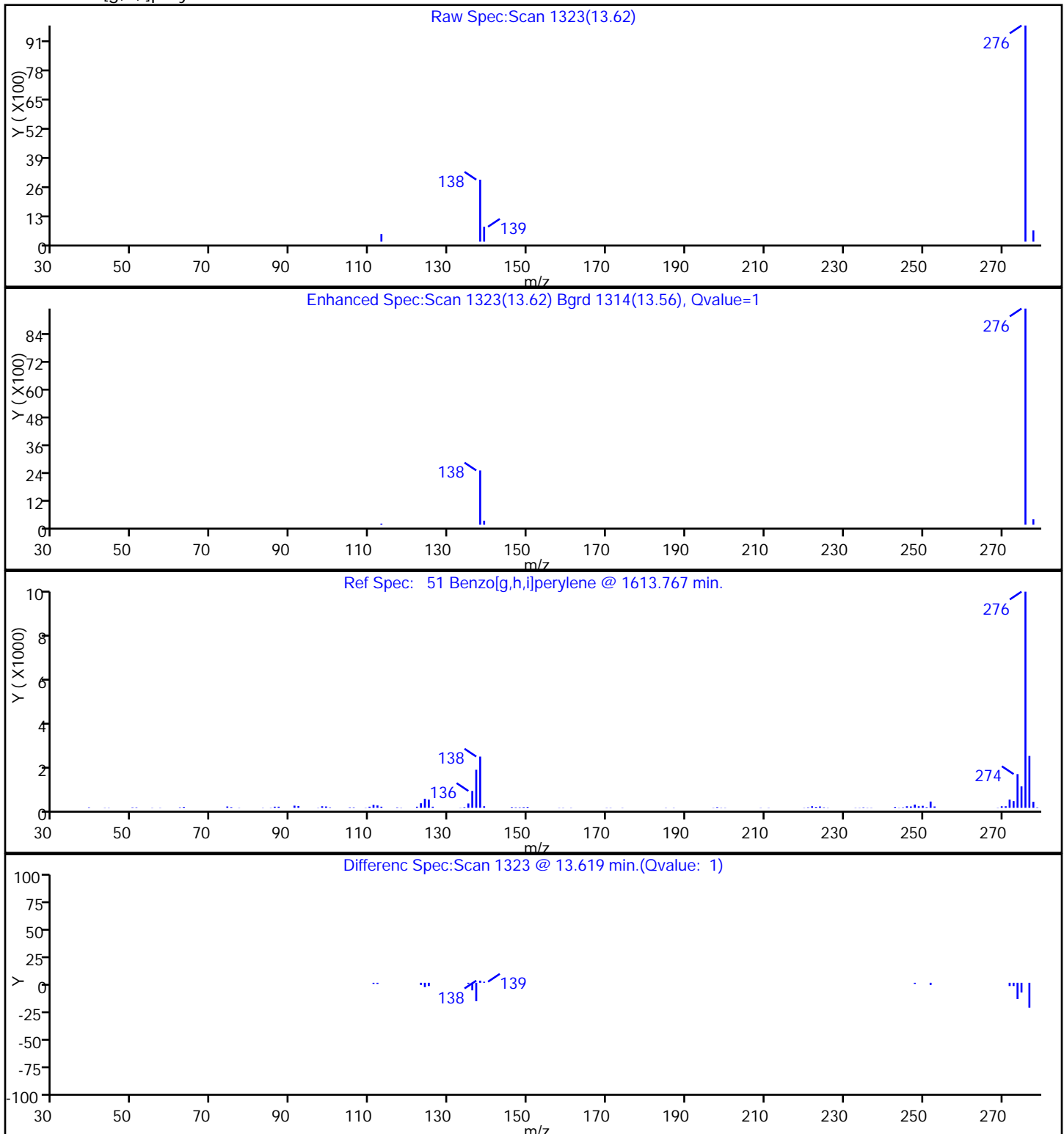
50 Indeno[1,2,3-cd]pyrene



49 Dibenz(a,h)anthracene



51 Benzo[g,h,i]perylene

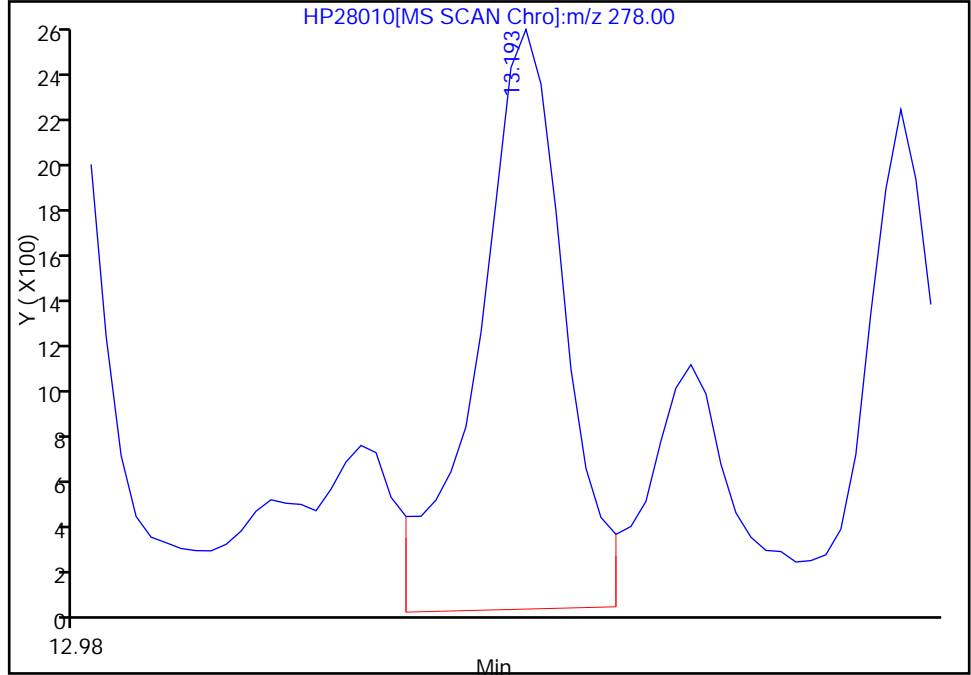


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28010.D
Injection Date: 25-May-2012 13:17:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-EA10-COMP-120507 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

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

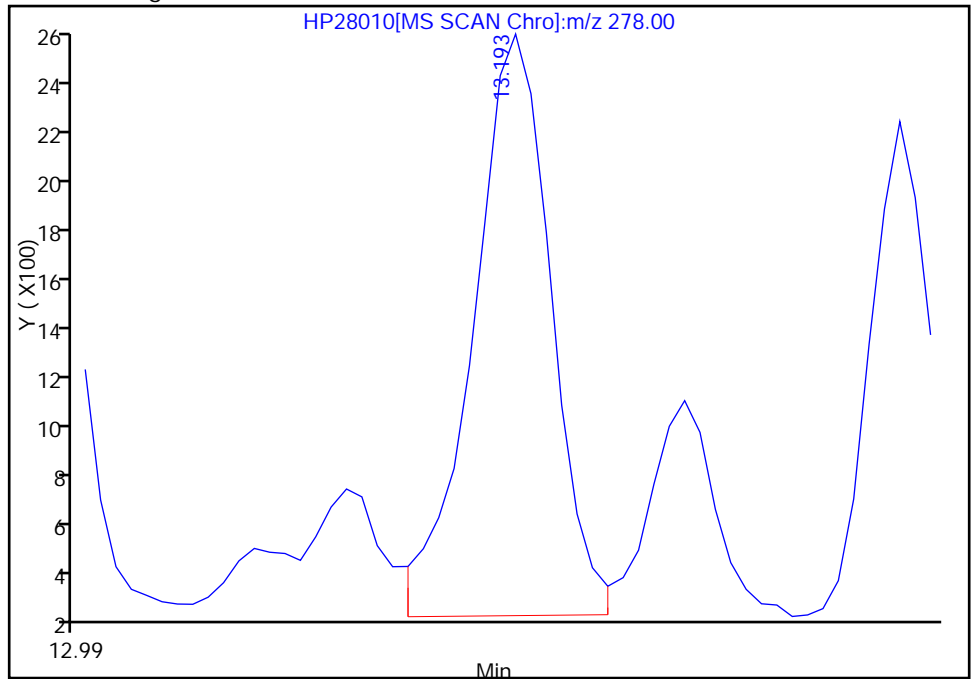
RT: 13.19
Response: 6992
Amount: 13.562933

Processing Integration Results



RT: 13.19
Response: 5672
Amount: 11.002425

Manual Integration Results



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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

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

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

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

TestAmerica Laboratories
Target Compound Quantitation Report

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

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

First Level Reviewer: tadesseb

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

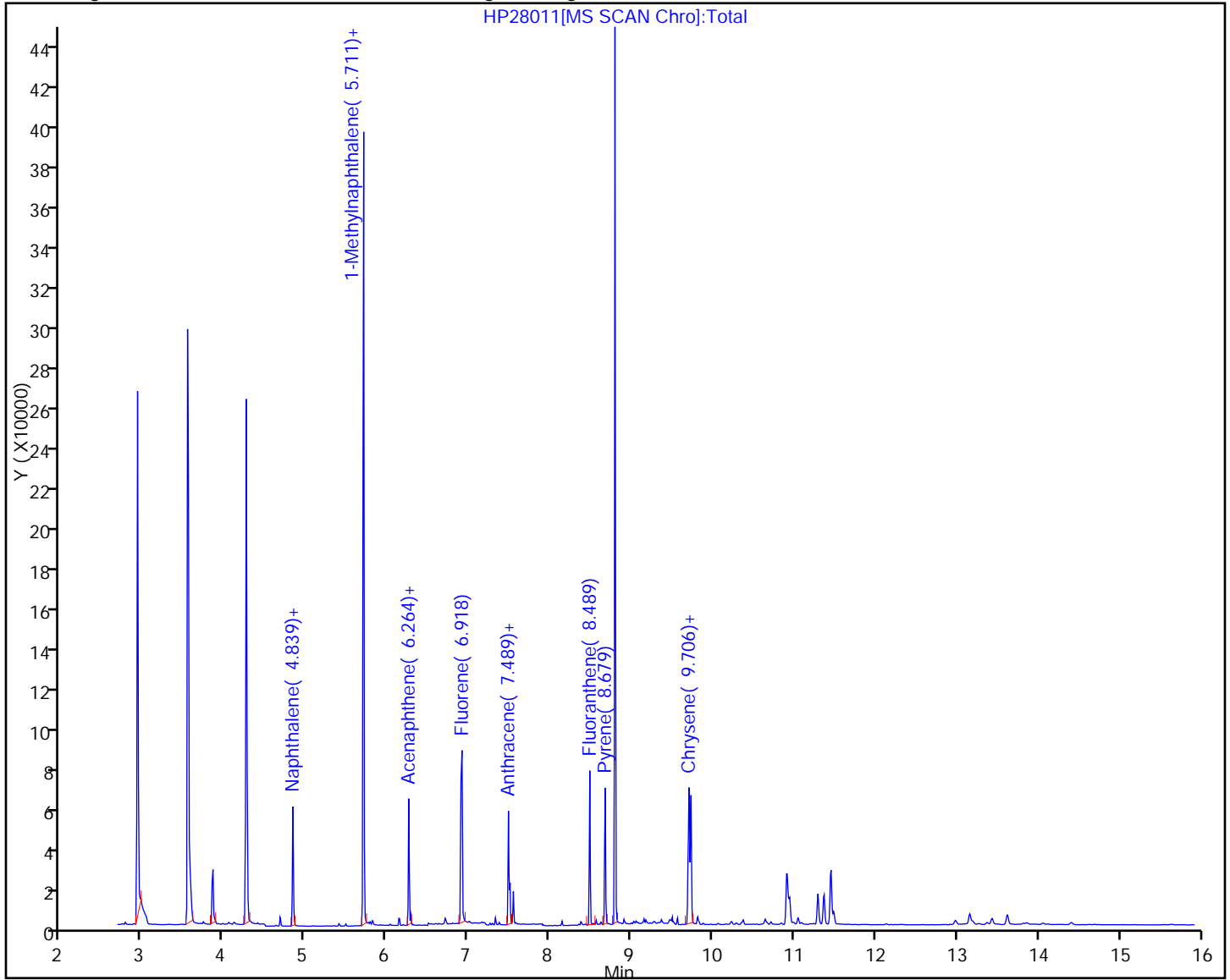
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	17627	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	46639	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	26233	98.0	
* 4 Phenanthrene-d10	188	7.489	7.490	-0.001	1	40610	98.0	
* 5 Chrysene-d12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

QC Flag Legend

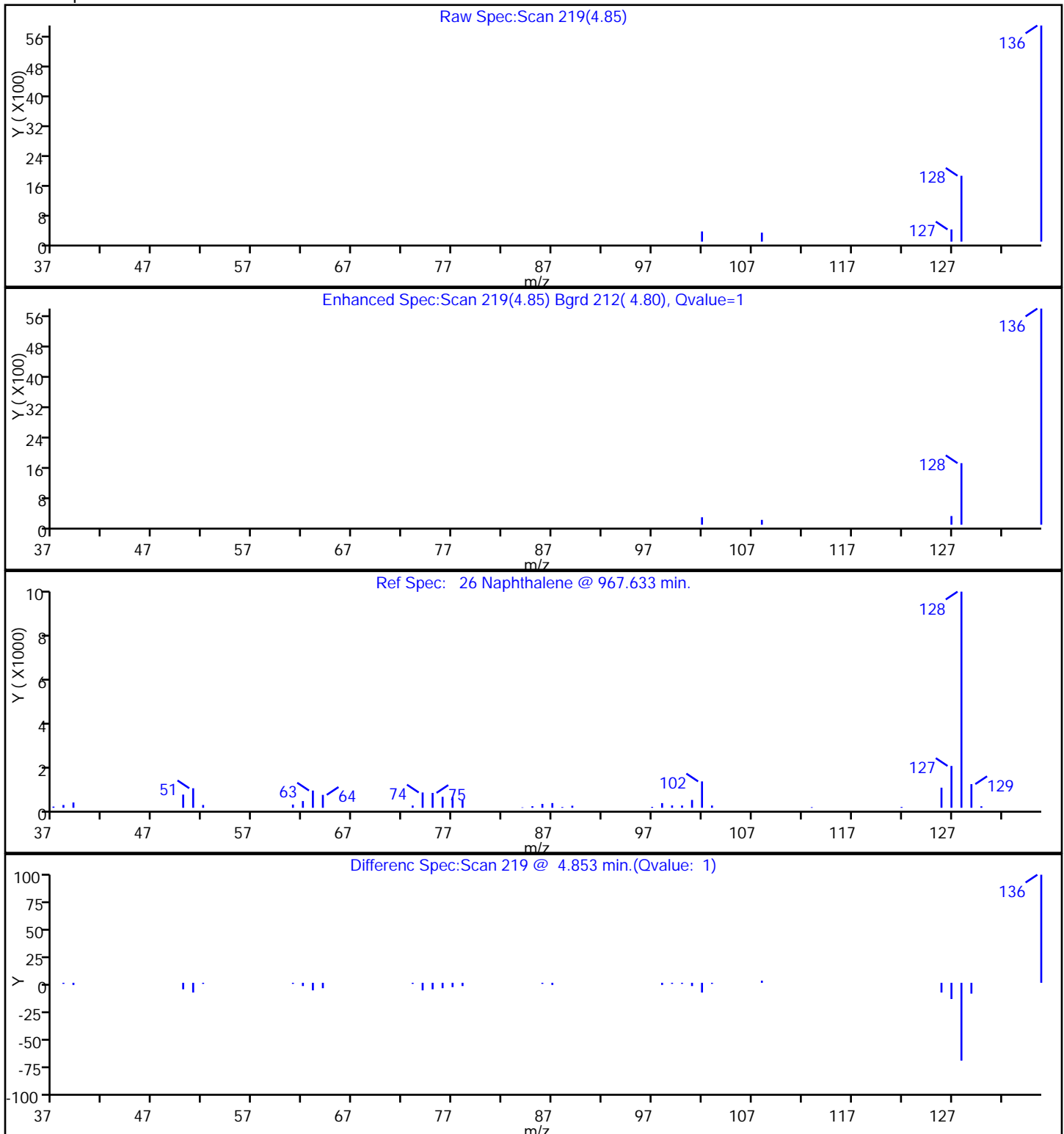
Review Flags

M - Manually Integrated

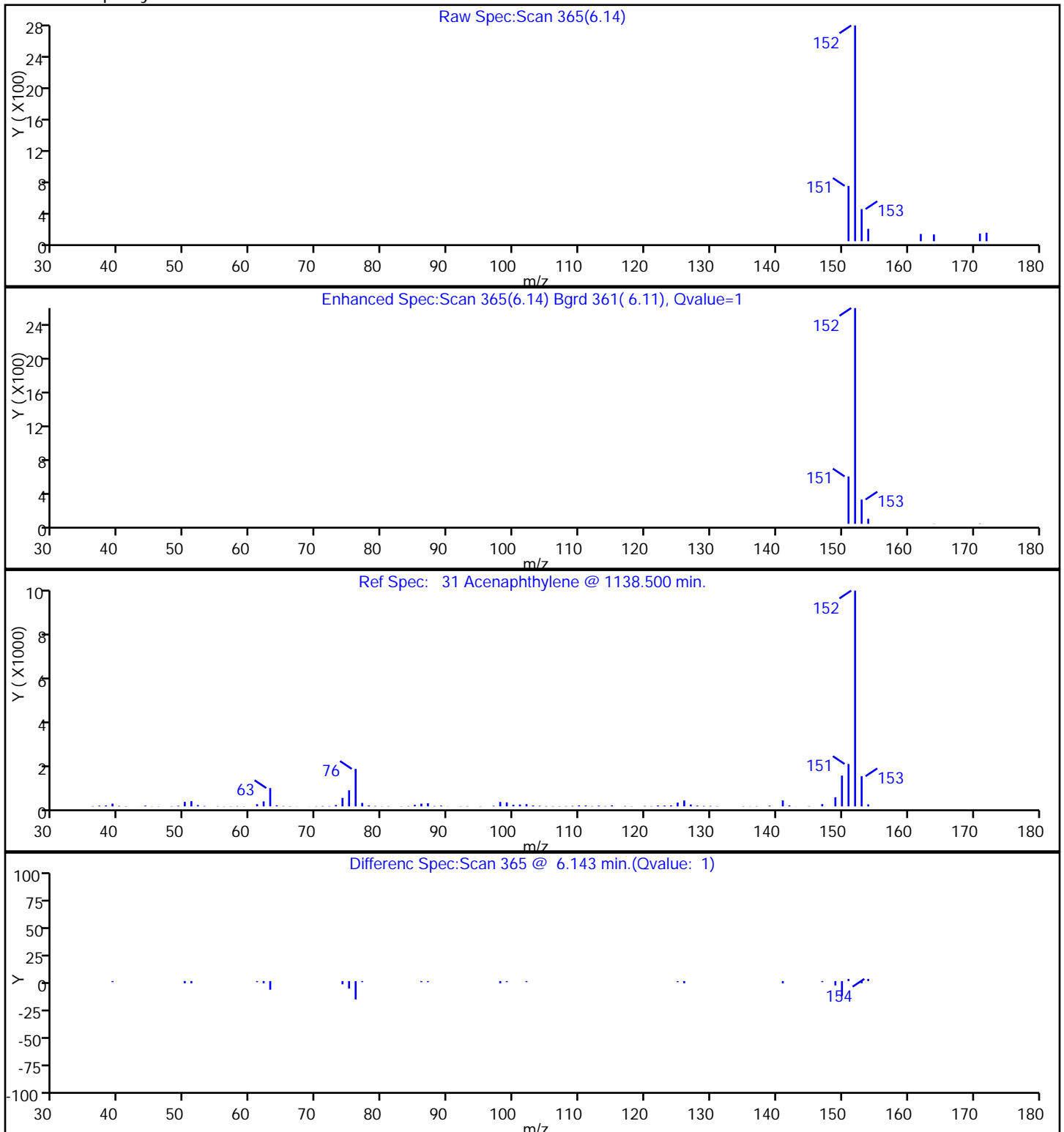
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



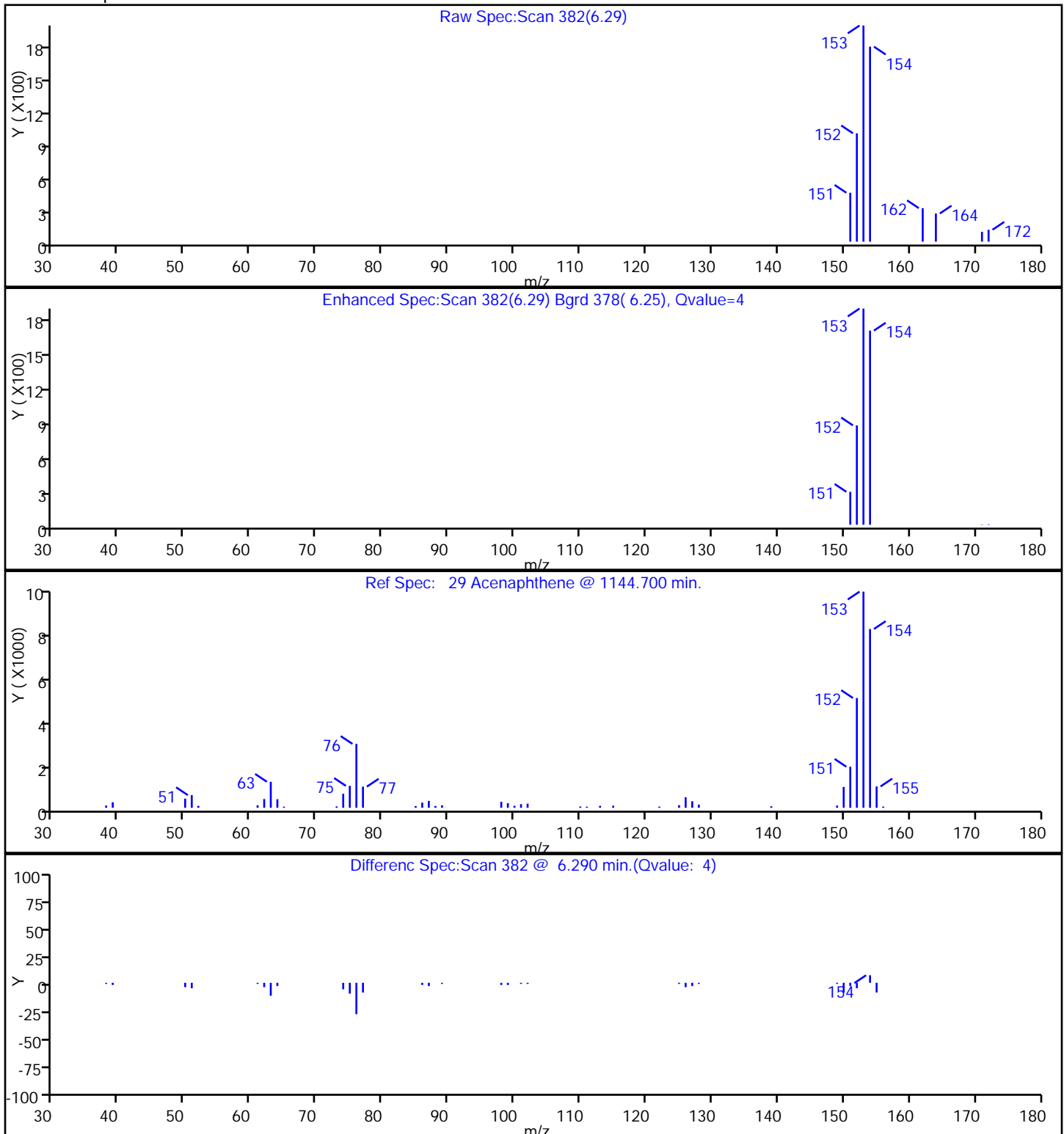
26 Naphthalene



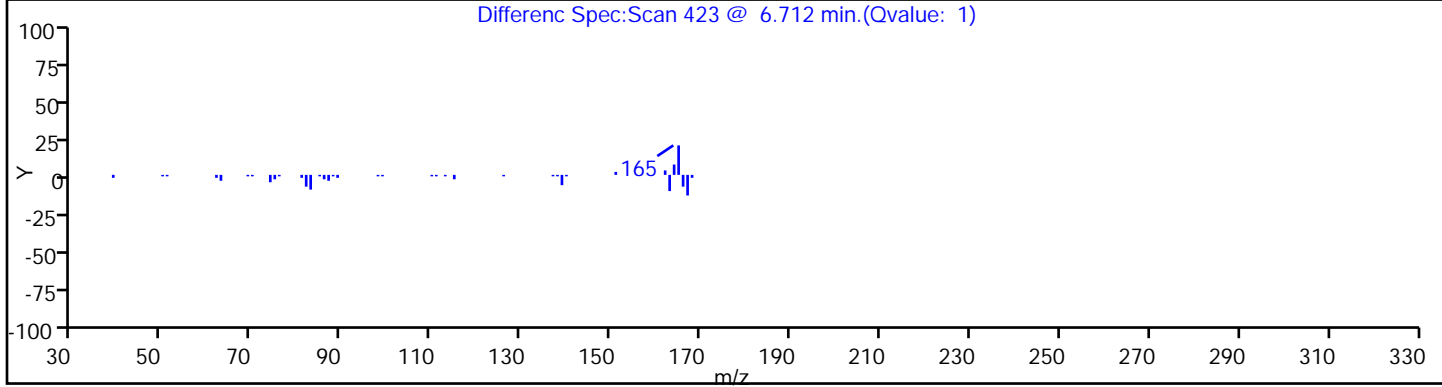
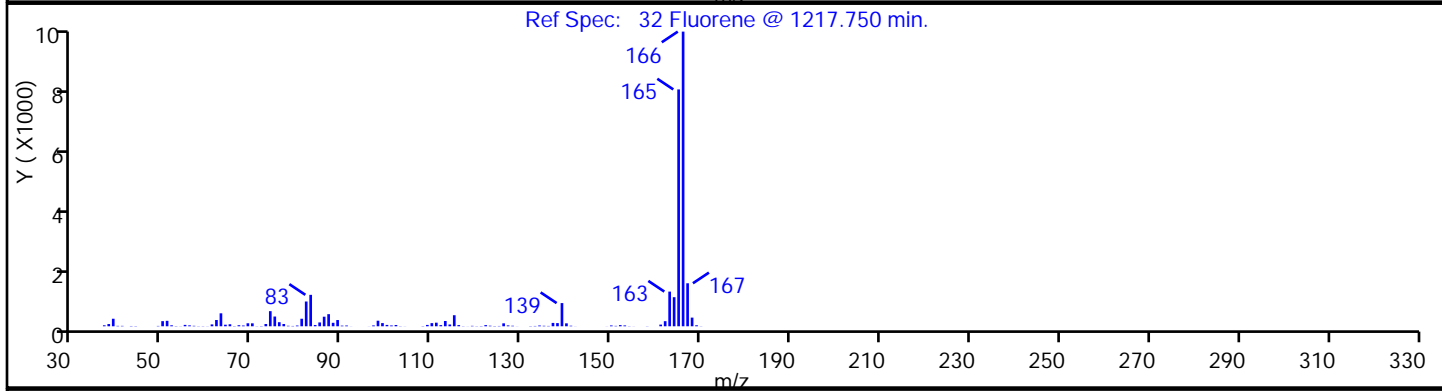
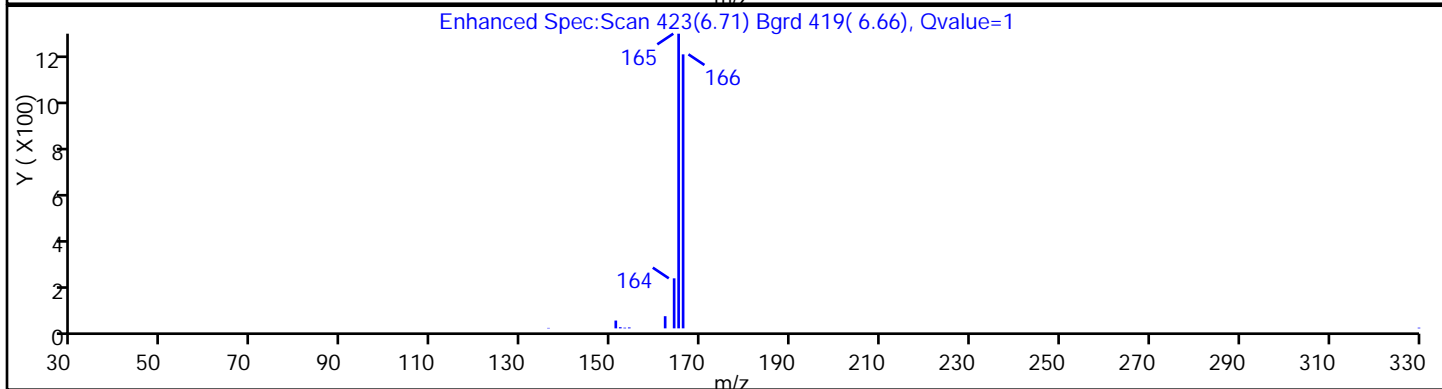
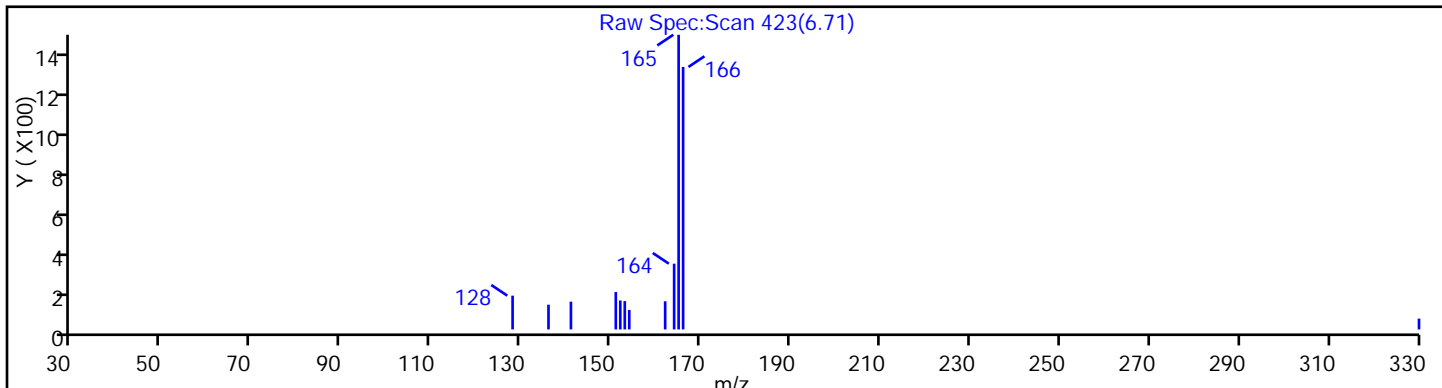
31 Acenaphthylene



29 Acenaphthene



32 Fluorene



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

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

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

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

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA01-COMP-120507

Instrument ID: TAC023

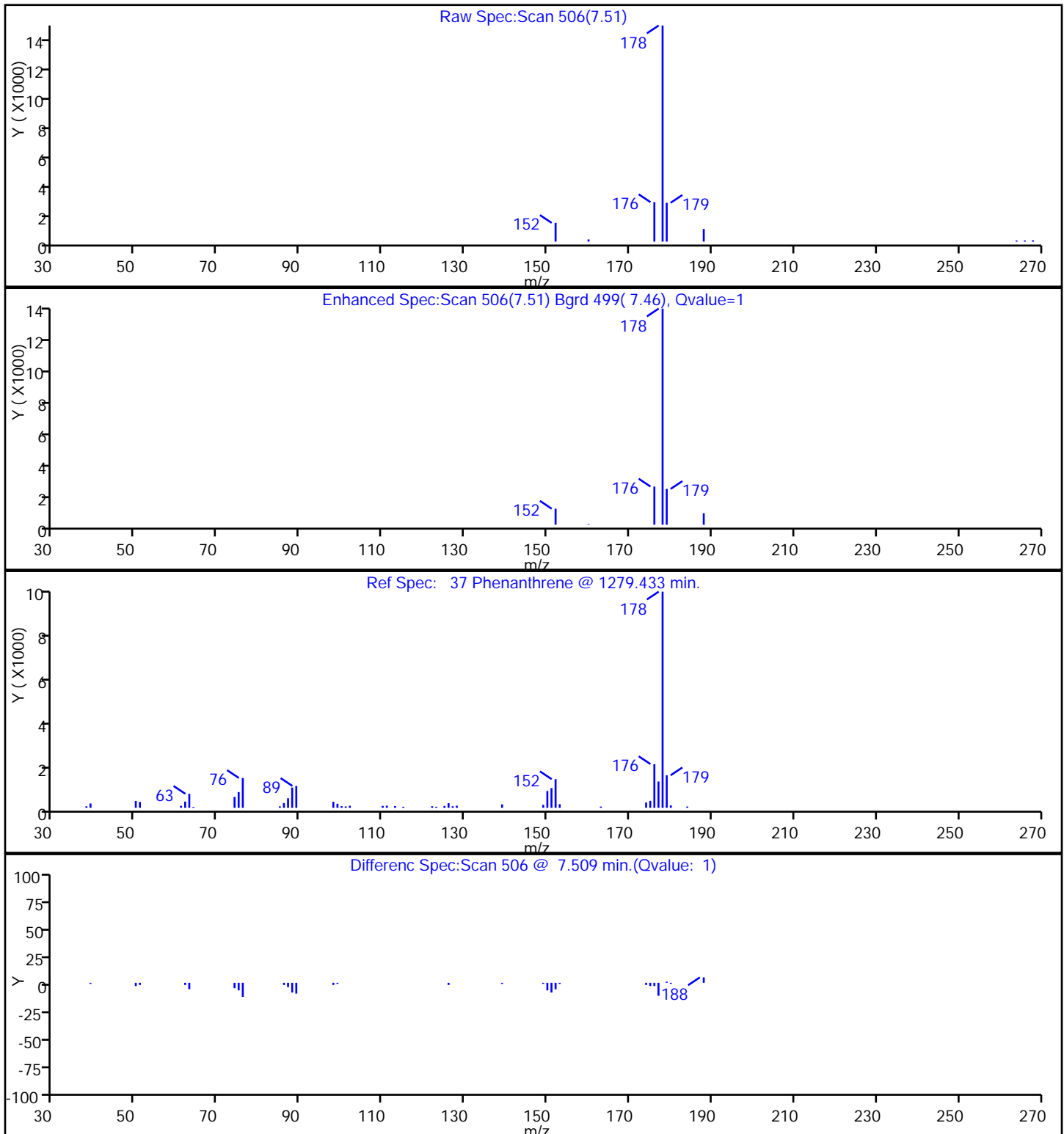
Lims Batch ID: 112072

Lims Sample ID: 8

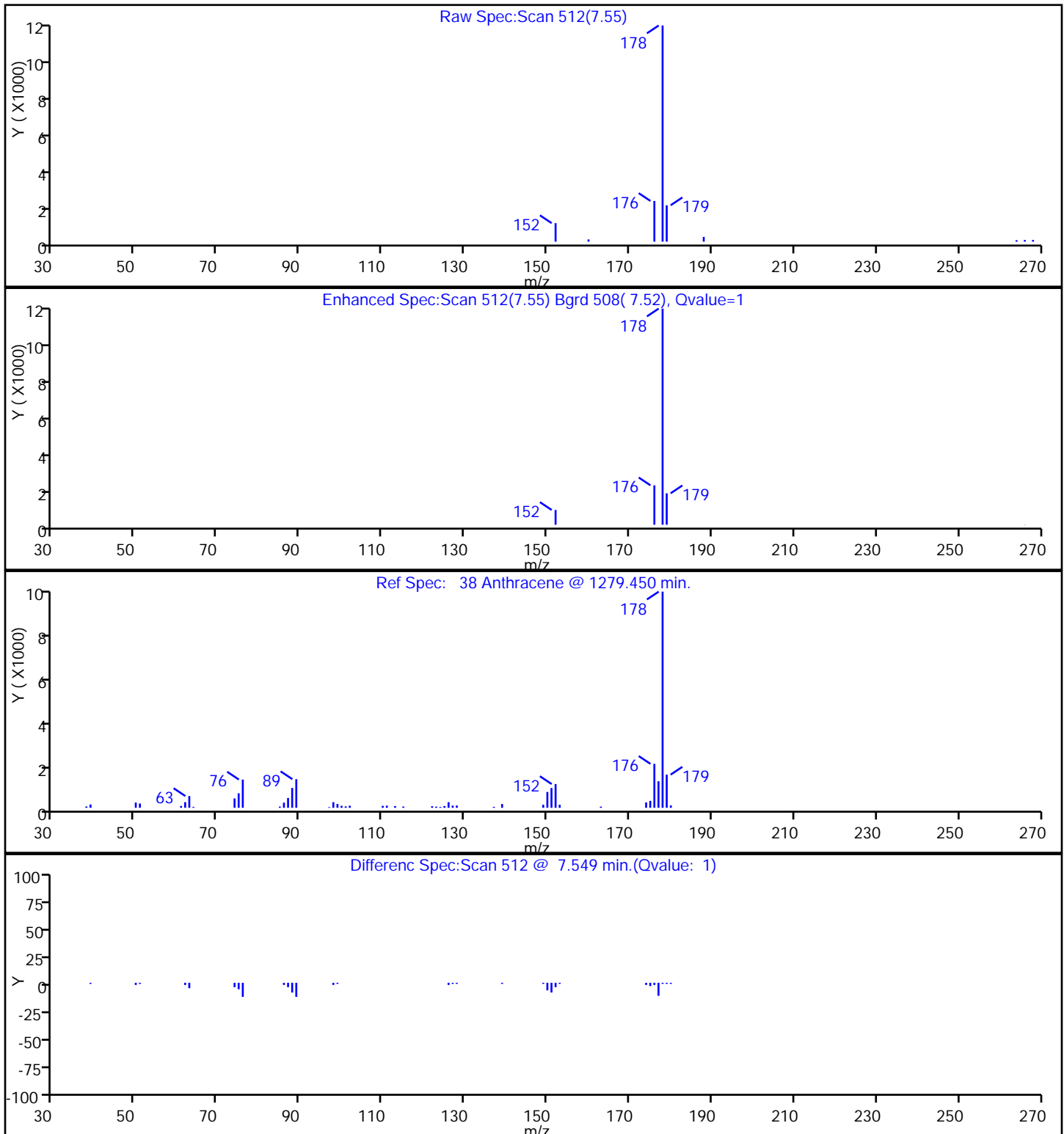
Operator ID: bat

Injection Vol: 1.00 ul

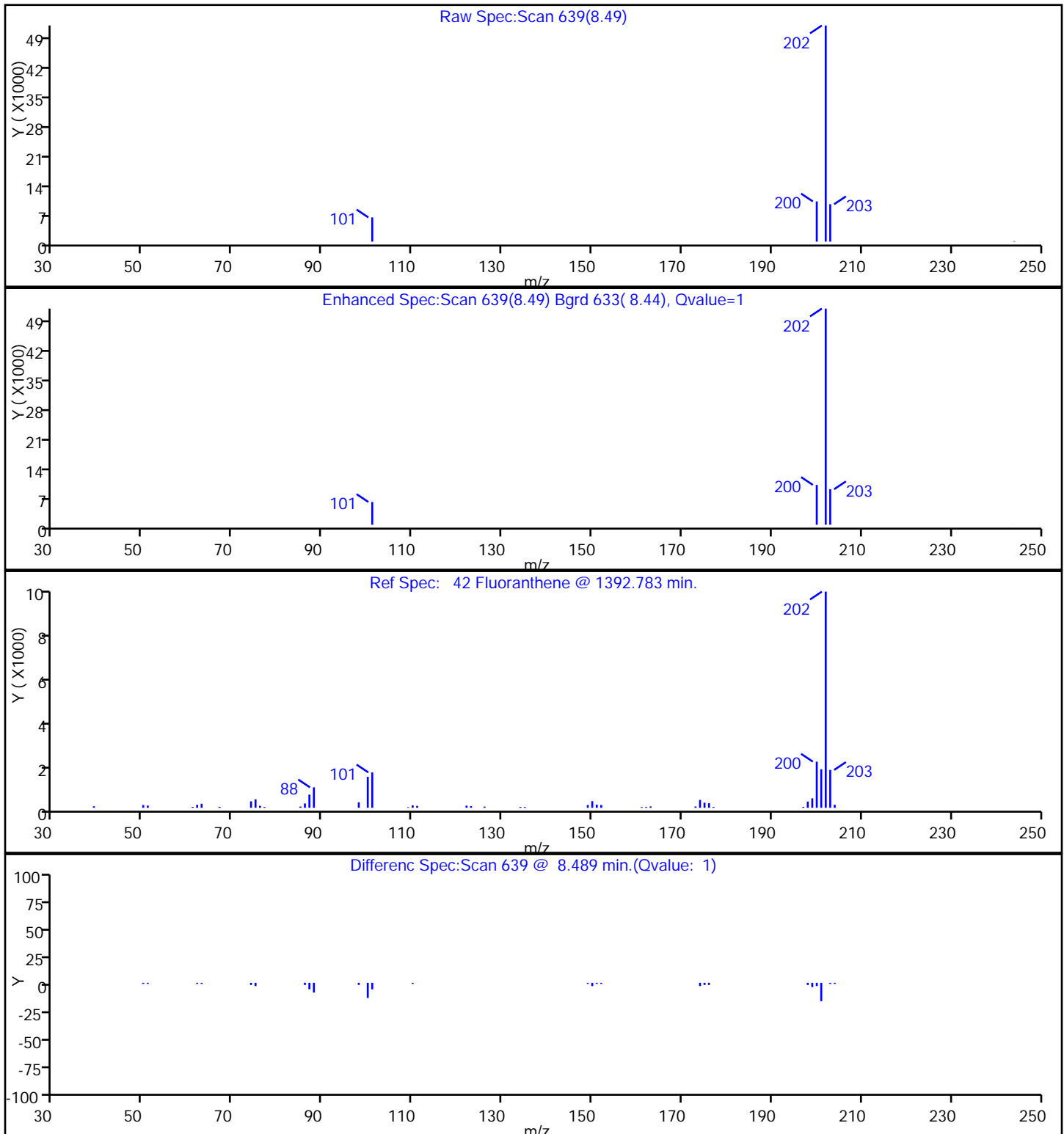
37 Phenanthrene



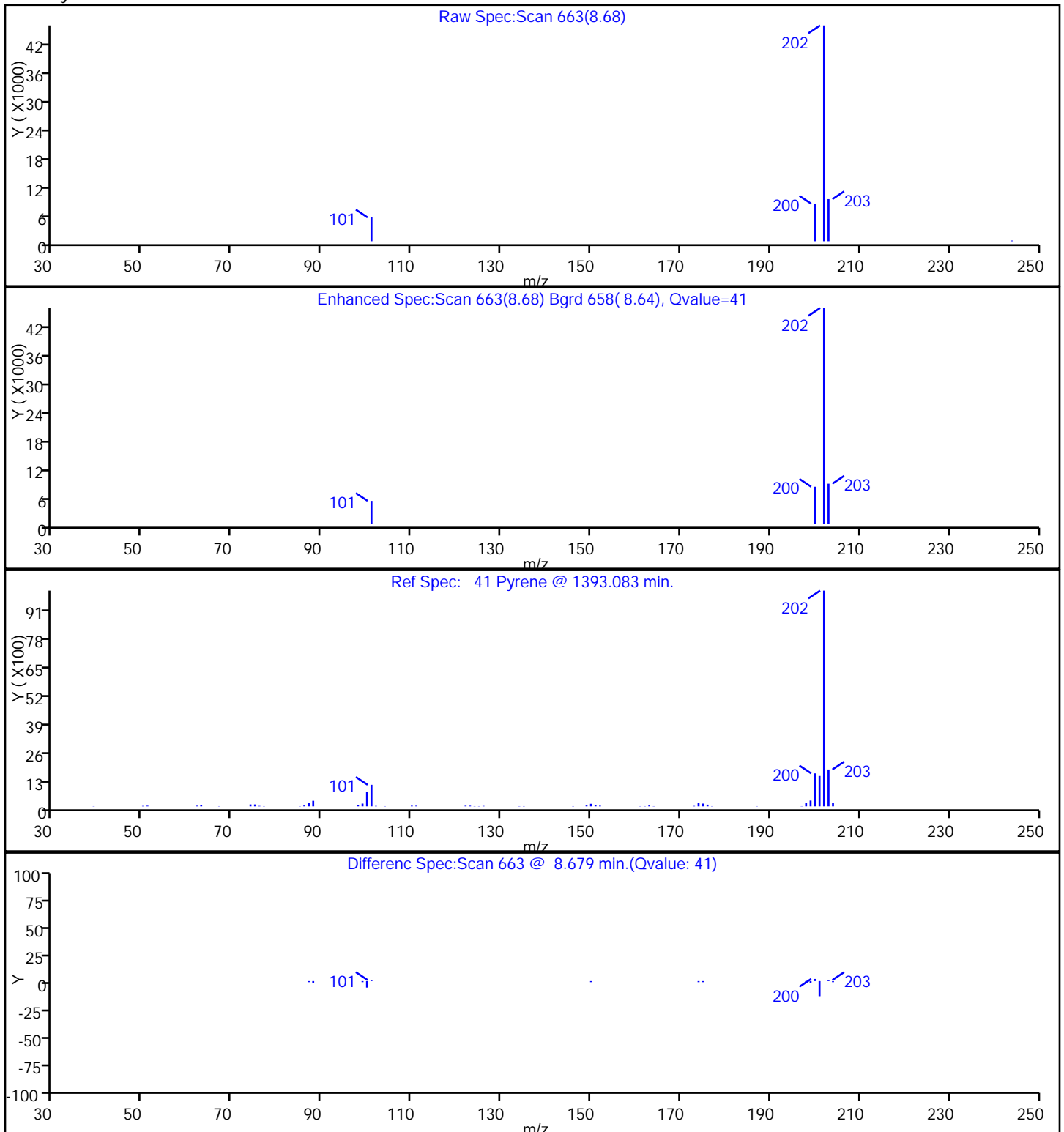
38 Anthracene



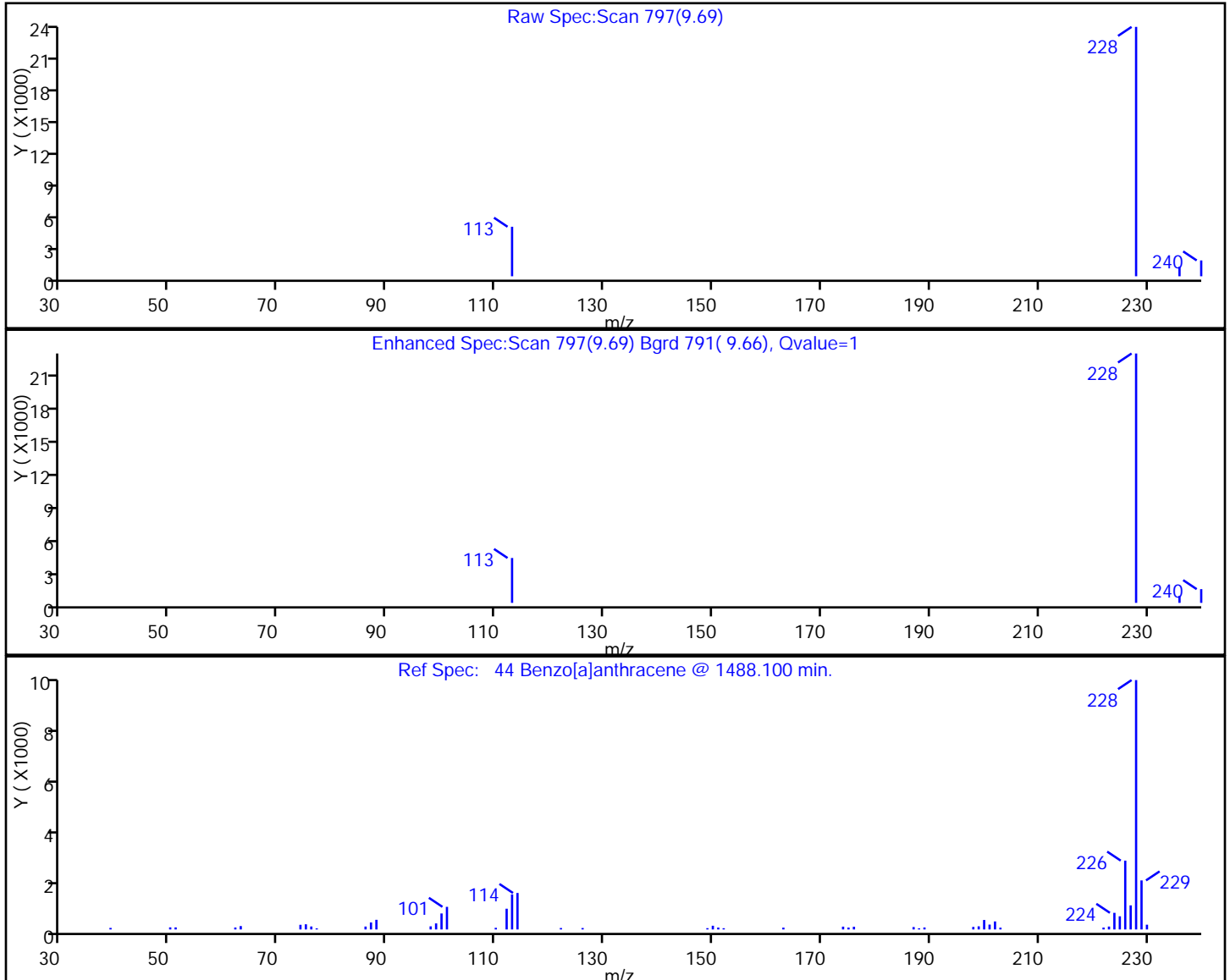
42 Fluoranthene



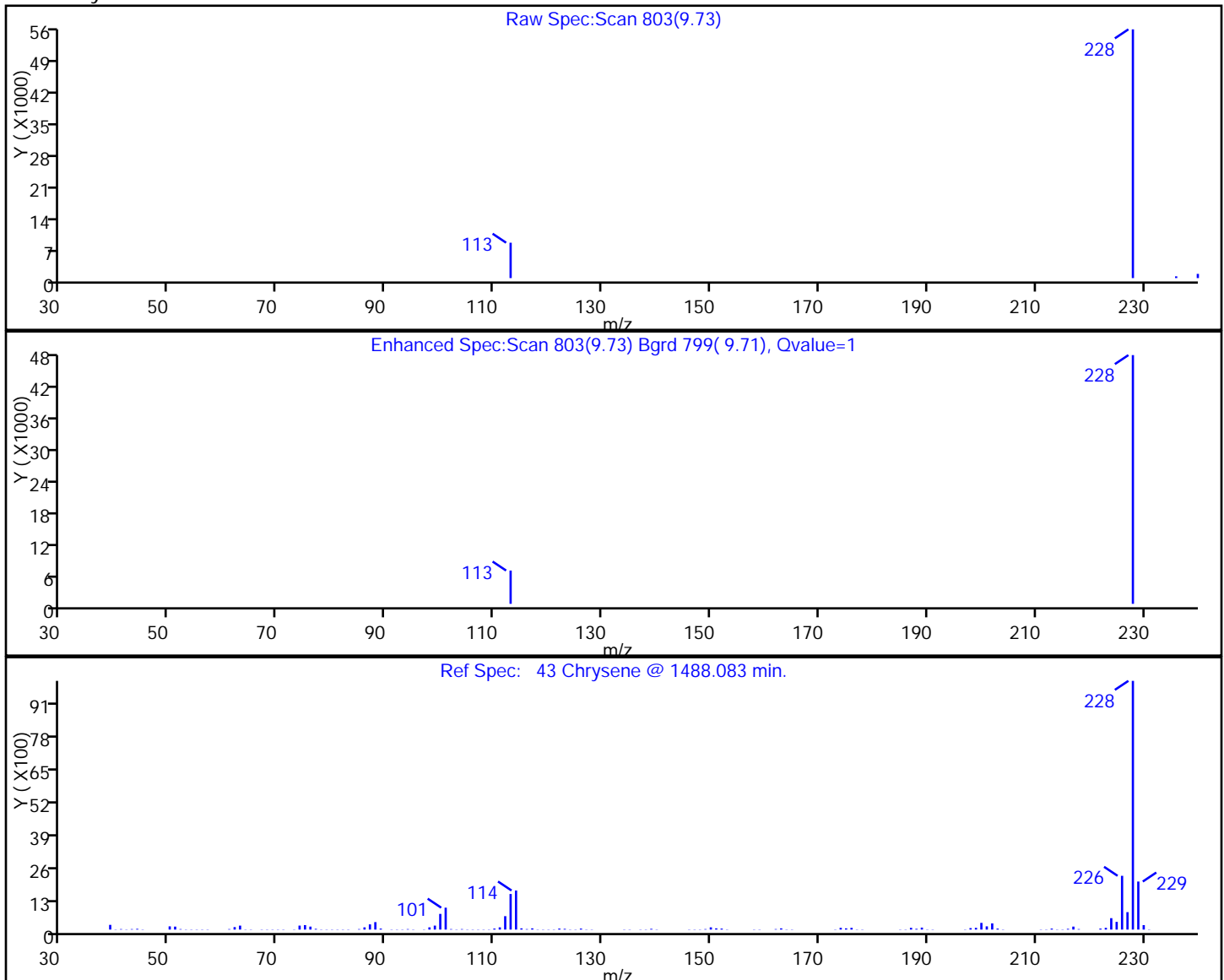
41 Pyrene



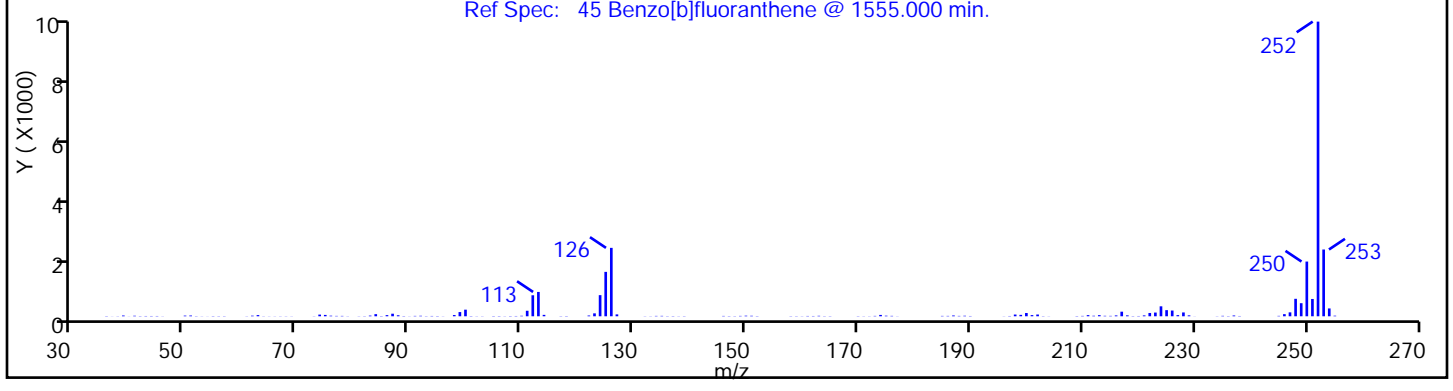
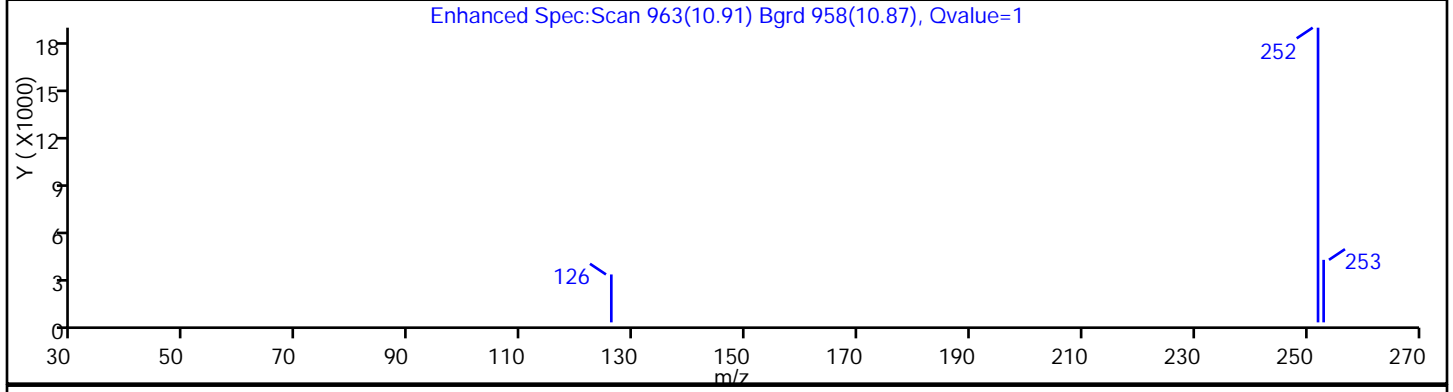
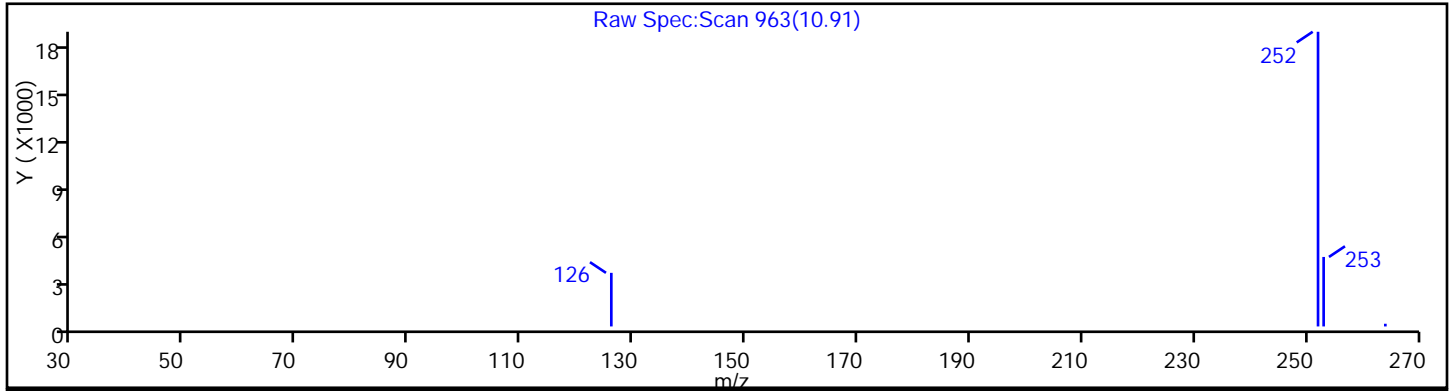
44 Benzo[a]anthracene



43 Chrysene



45 Benzo[b]fluoranthene



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

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

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

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

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA01-COMP-120507

Instrument ID: TAC023

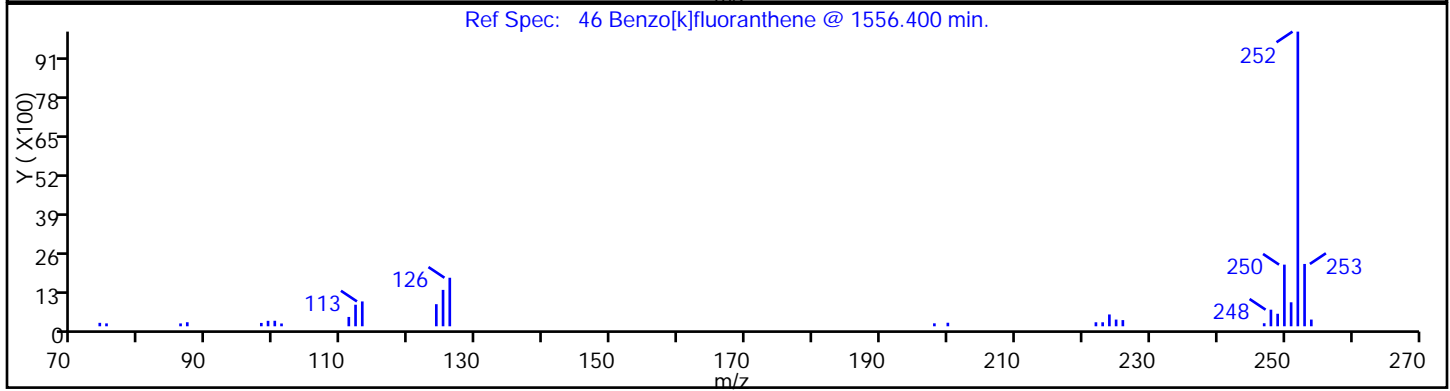
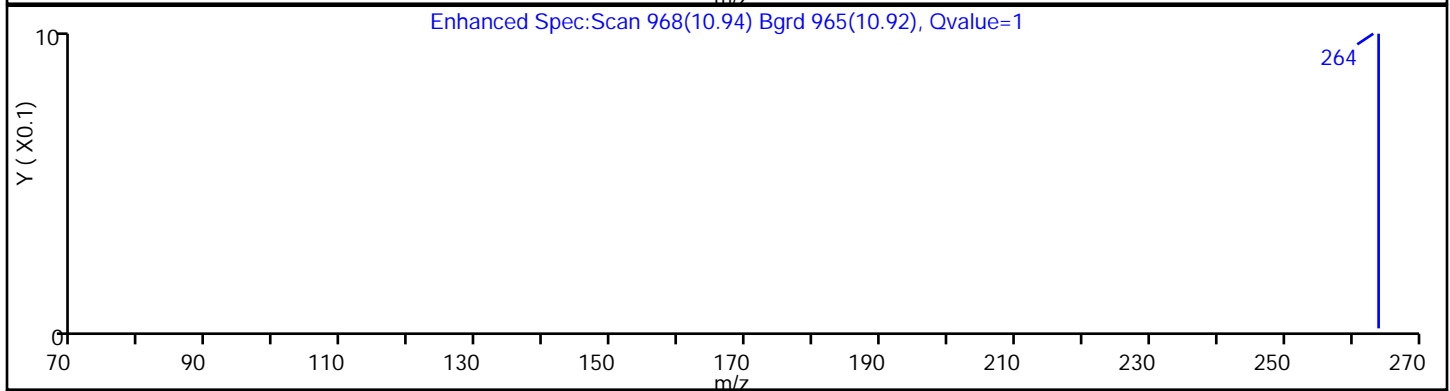
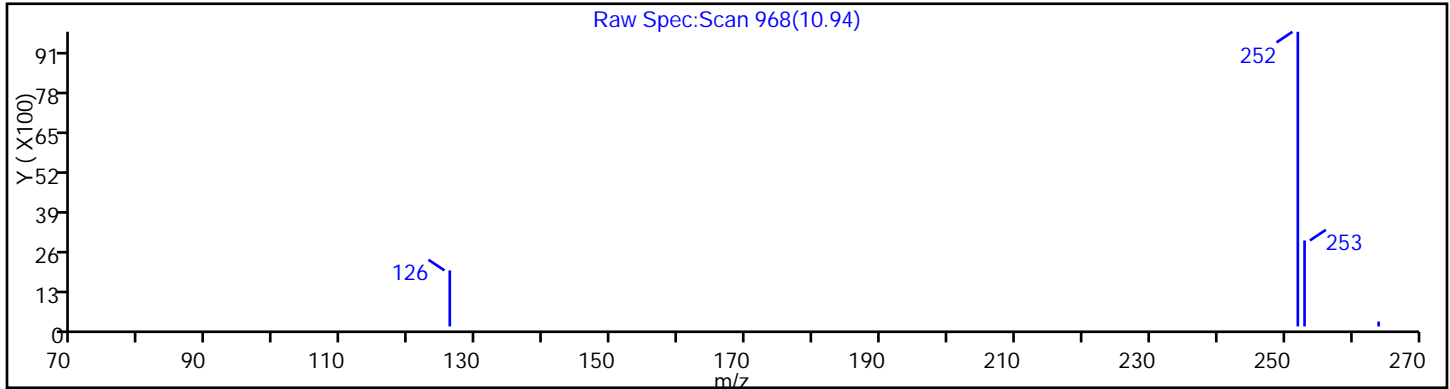
Lims Batch ID: 112072

Lims Sample ID: 8

Operator ID: bat

Injection Vol: 1.00 ul

46 Benzo[k]fluoranthene



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

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

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

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

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA01-COMP-120507

Instrument ID: TAC023

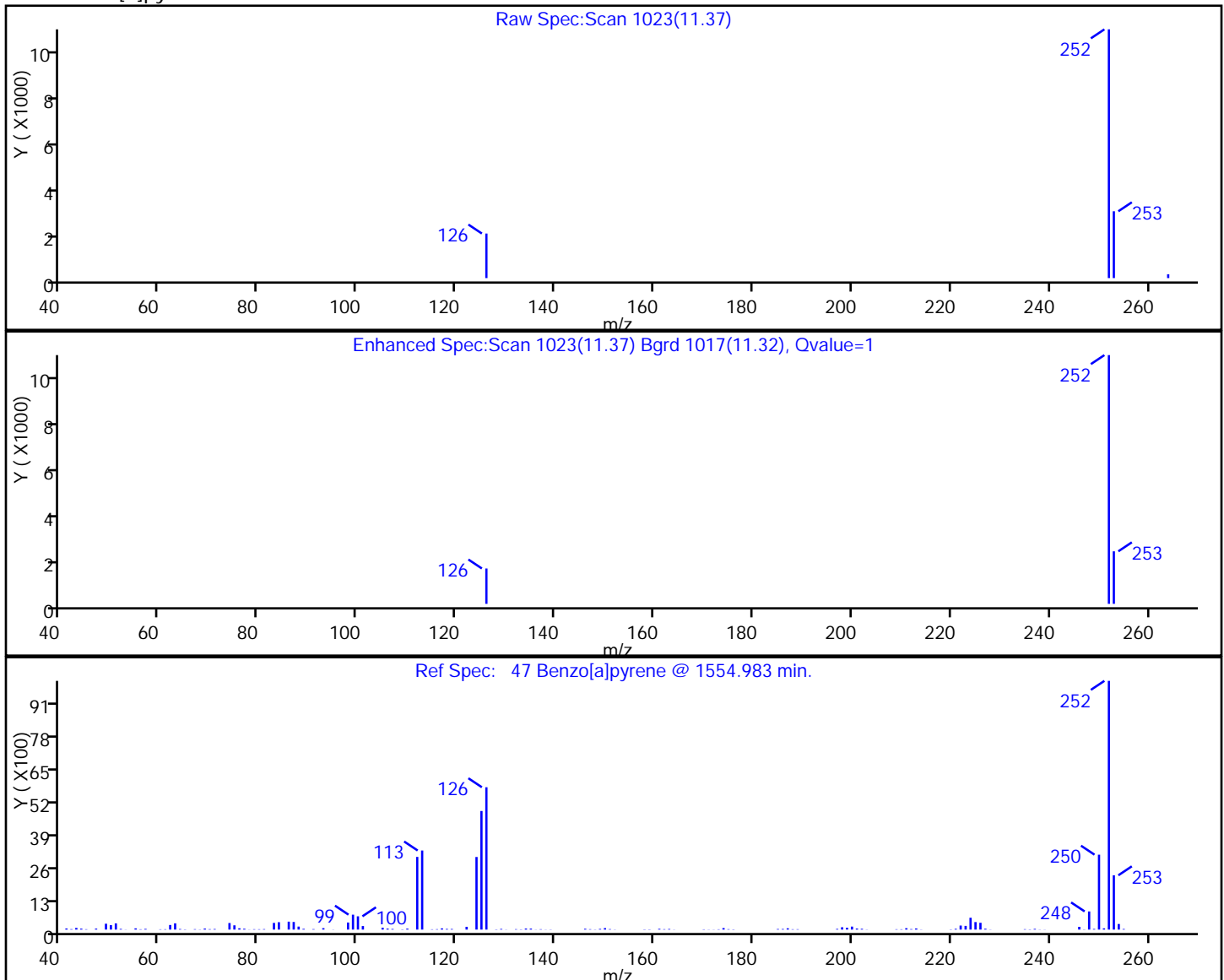
Lims Batch ID: 112072

Lims Sample ID: 8

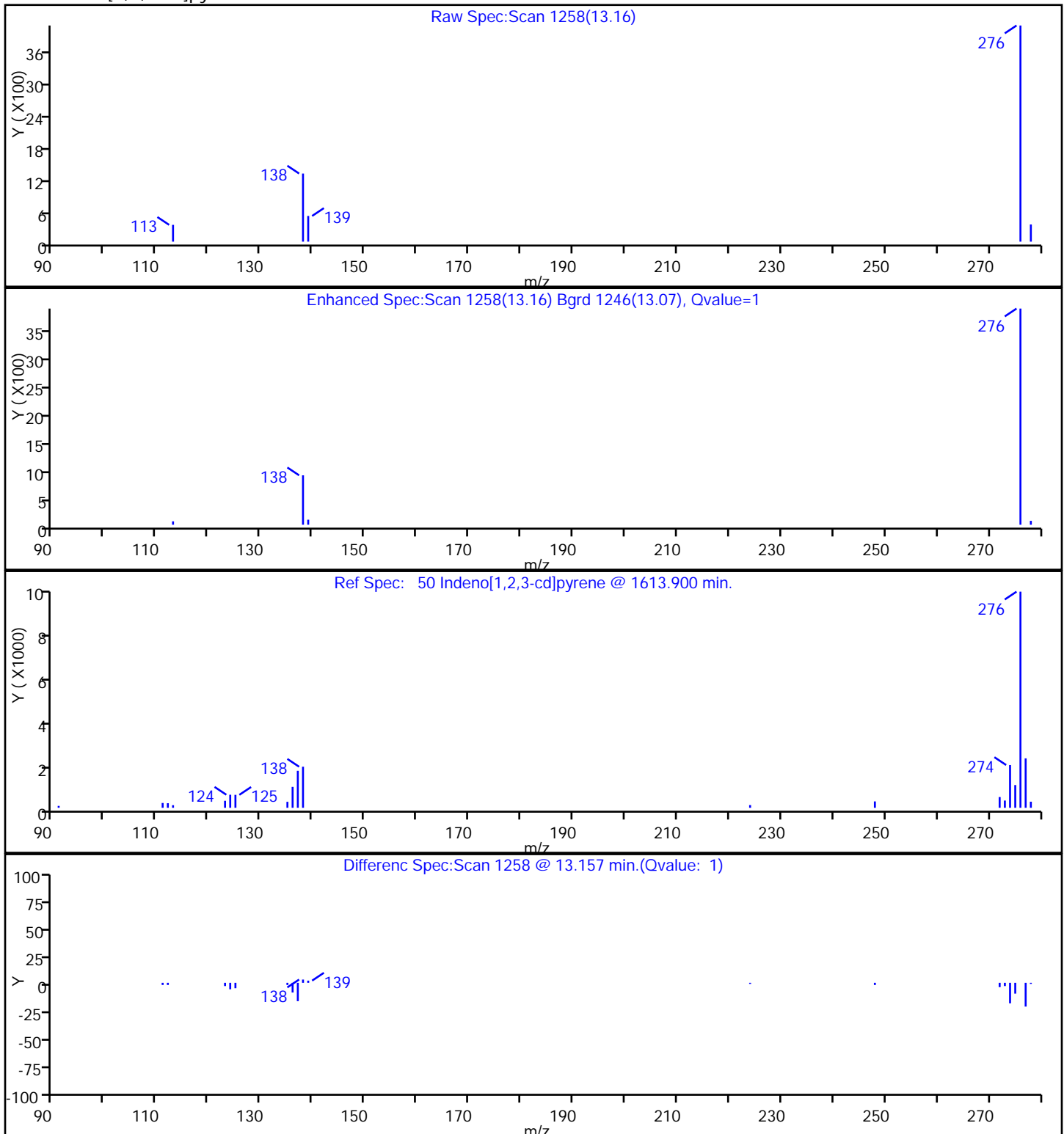
Operator ID: bat

Injection Vol: 1.00 ul

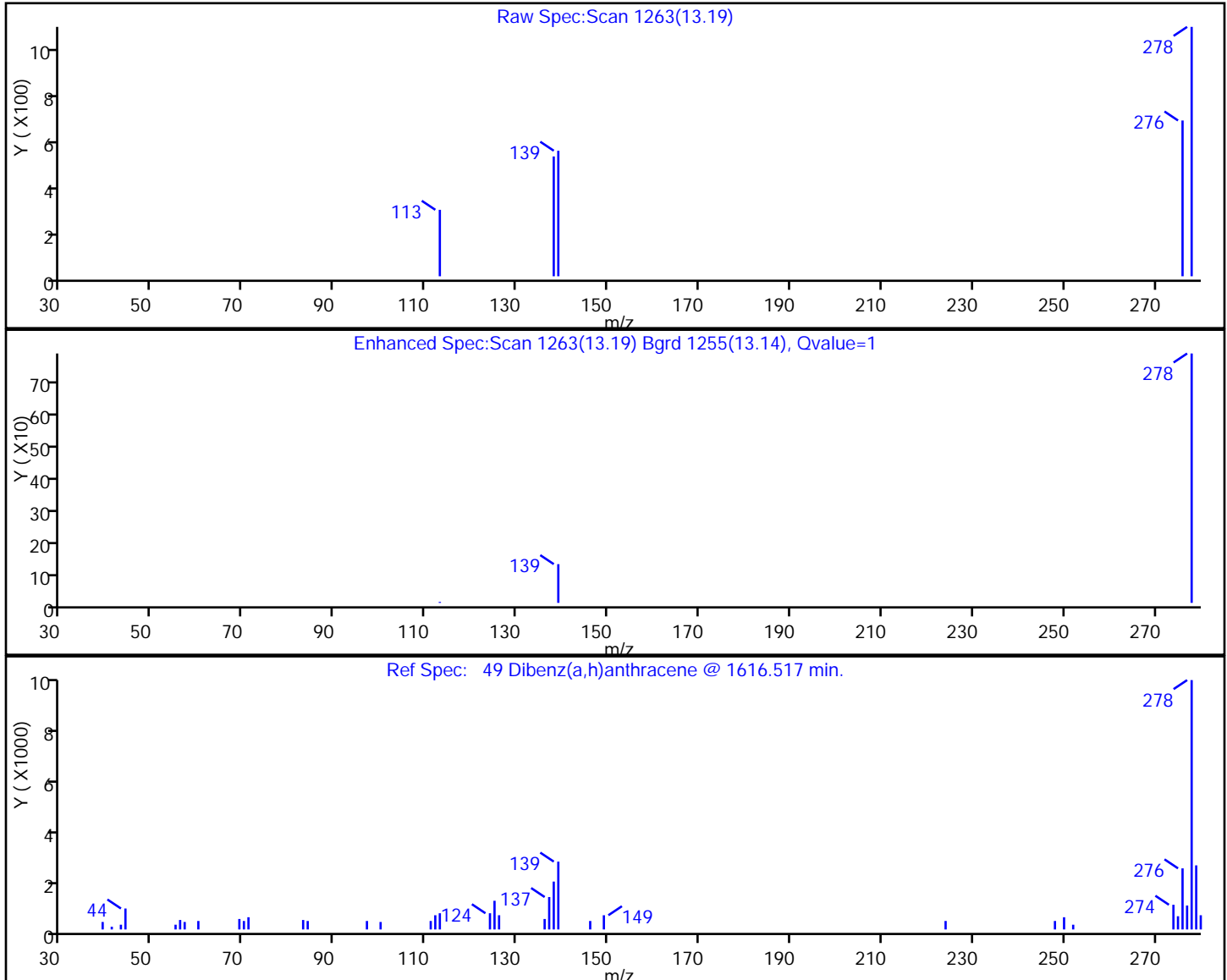
47 Benzo[a]pyrene



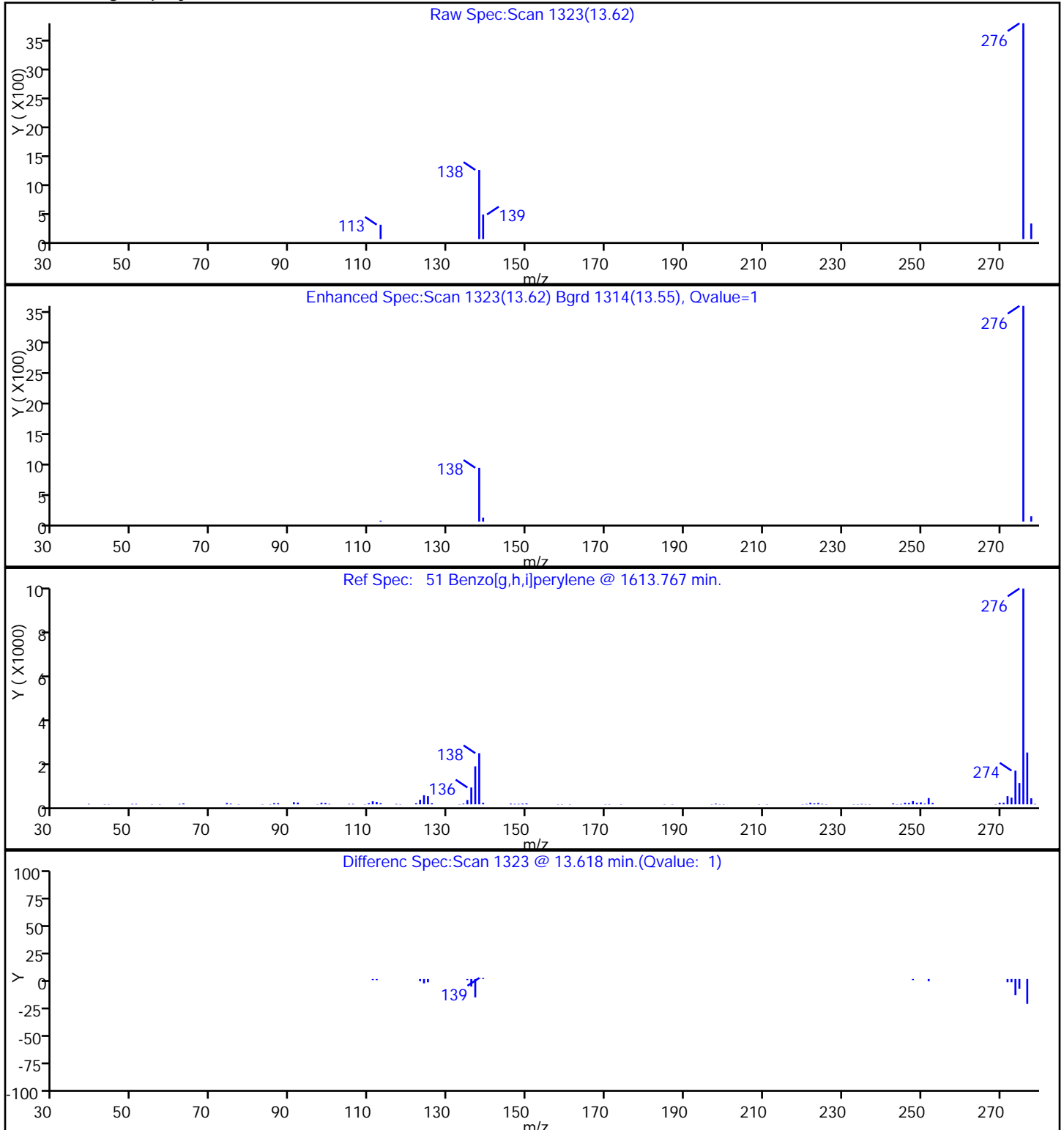
50 Indeno[1,2,3-cd]pyrene



49 Dibenzo(a,h)anthracene



51 Benzo[g,h,i]perylene

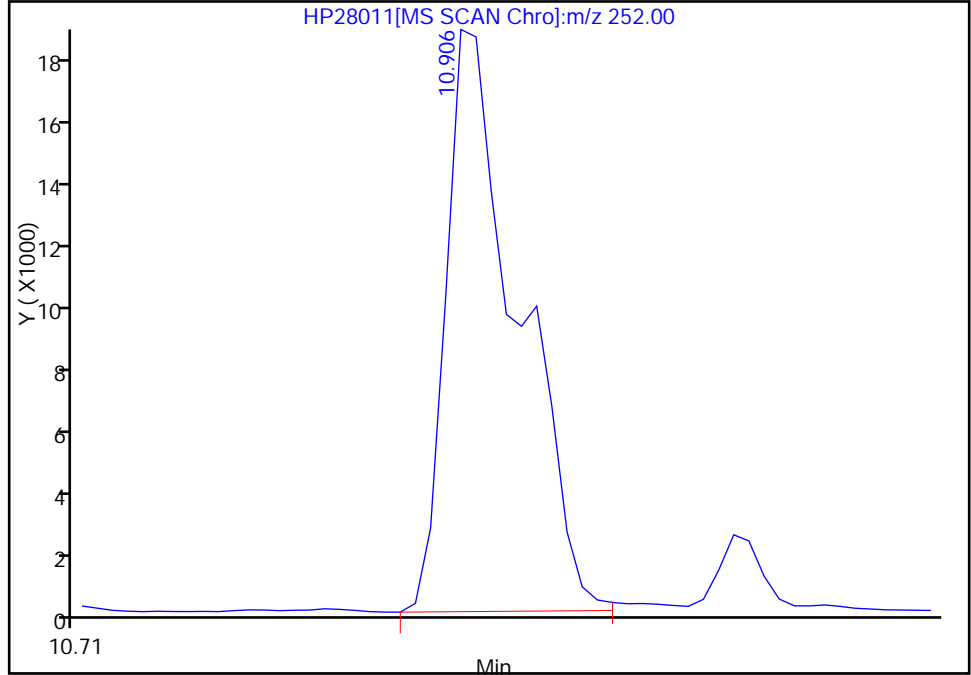


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28011.D
Injection Date: 25-May-2012 13:39:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-EA01-COMP-120507 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 8
Operator ID: bat Injection Vol: 1.00 ul

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

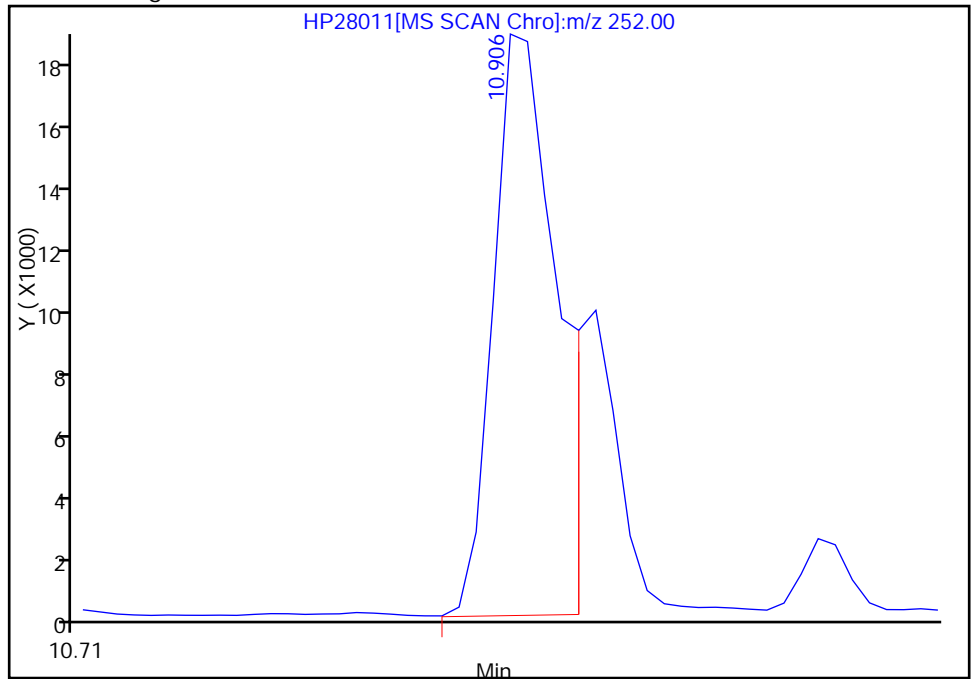
RT: 10.91
Response: 45619
Amount: 77.161388

Processing Integration Results



RT: 10.91
Response: 34648
Amount: 58.604699

Manual Integration Results



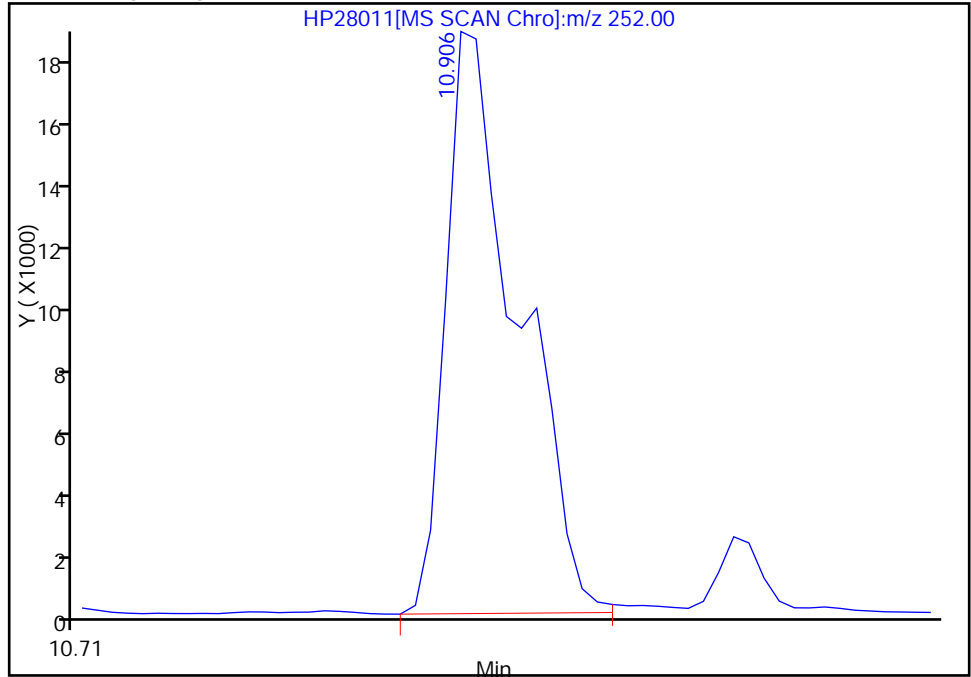
Reviewer: tadesseb, 25-May-2012 16:19:39
Audit Action: Manually Integrated
Audit Reason: Baseline

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

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

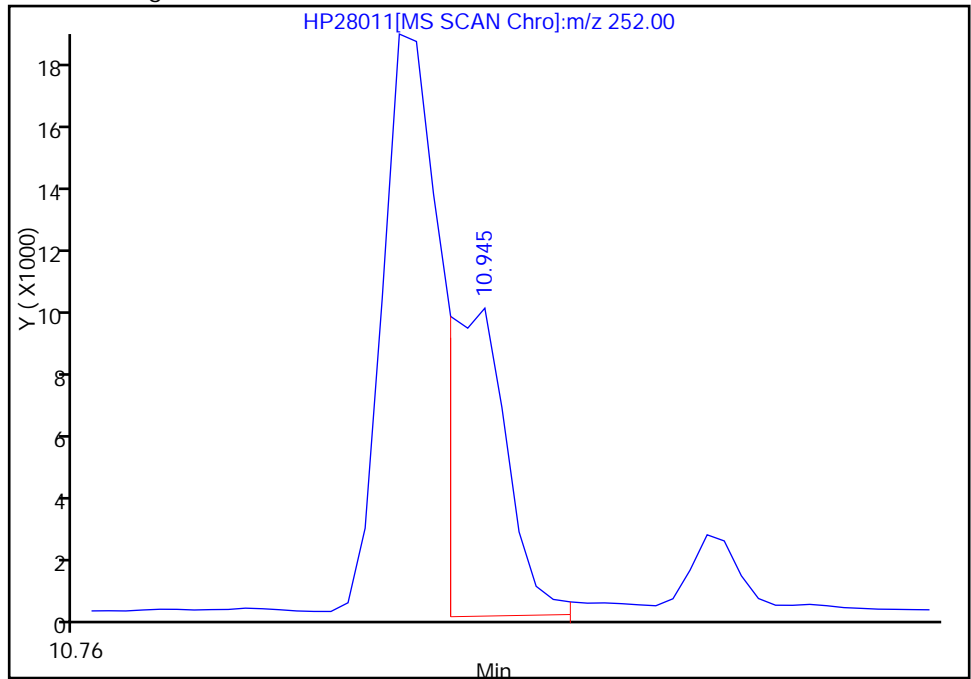
RT: 10.91
Response: 45619
Amount: 76.184871

Processing Integration Results



RT: 10.94
Response: 15688
Amount: 26.199352

Manual Integration Results



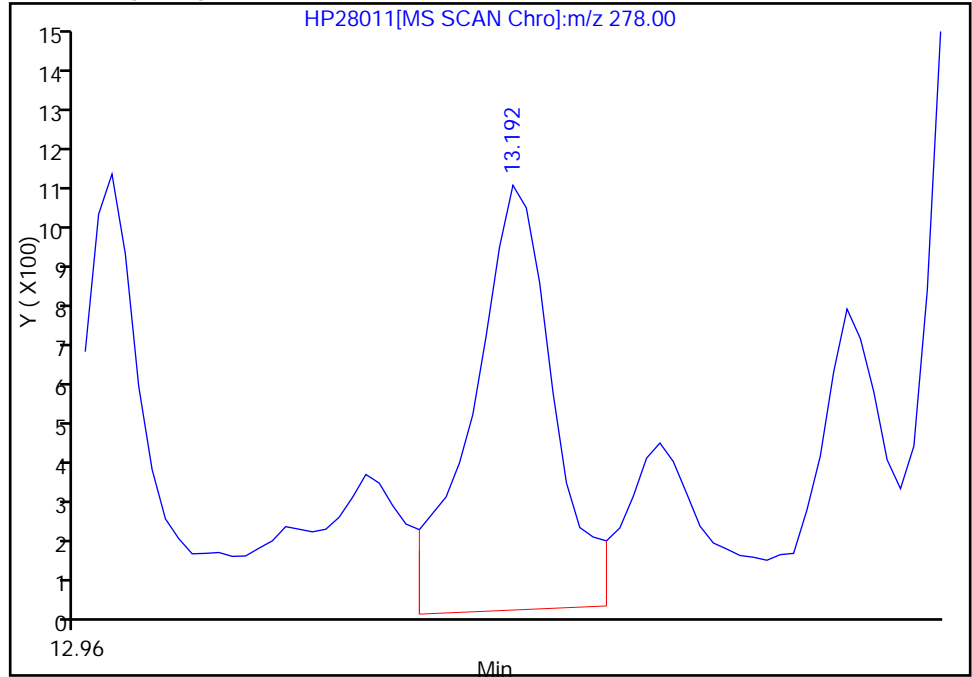
Reviewer: tadesseb, 25-May-2012 16:19:39
Audit Action: Manually Integrated
Audit Reason: Baseline

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

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

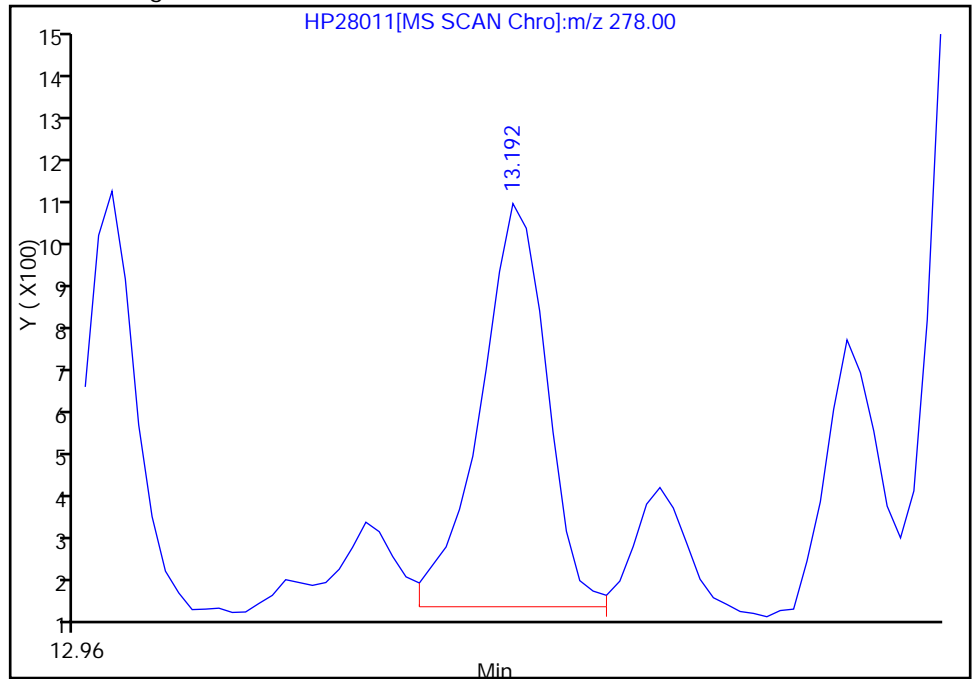
RT: 13.19
Response: 2885
Amount: 5.728216

Processing Integration Results



RT: 13.19
Response: 2071
Amount: 4.112005

Manual Integration Results



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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

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

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

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

TestAmerica Laboratories
Target Compound Quantitation Report

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

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

First Level Reviewer: tadesseb

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

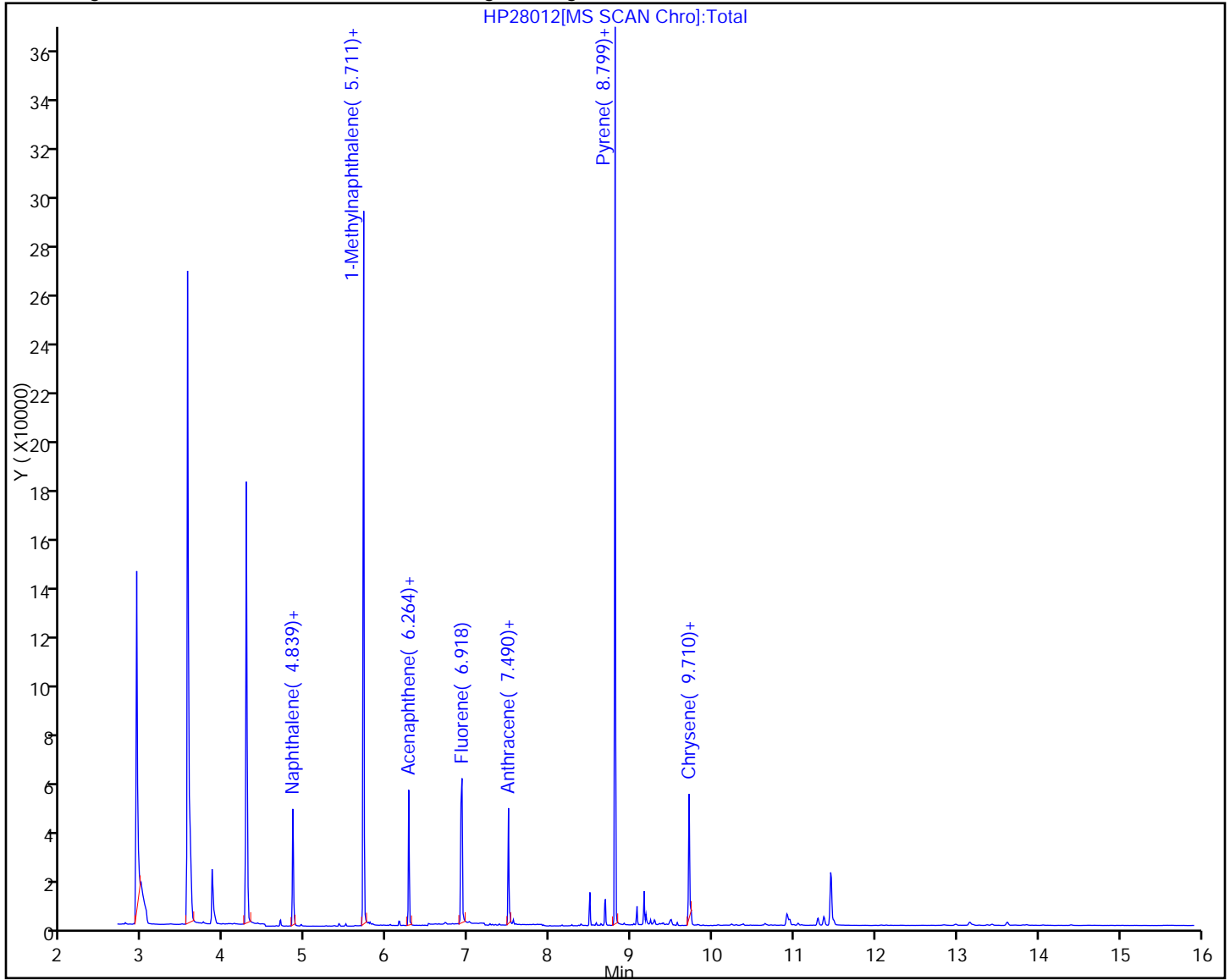
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.848	3.859	-0.011	1	15772	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	41200	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	22899	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	35544	98.0	
* 5 Chrysene-d12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

QC Flag Legend

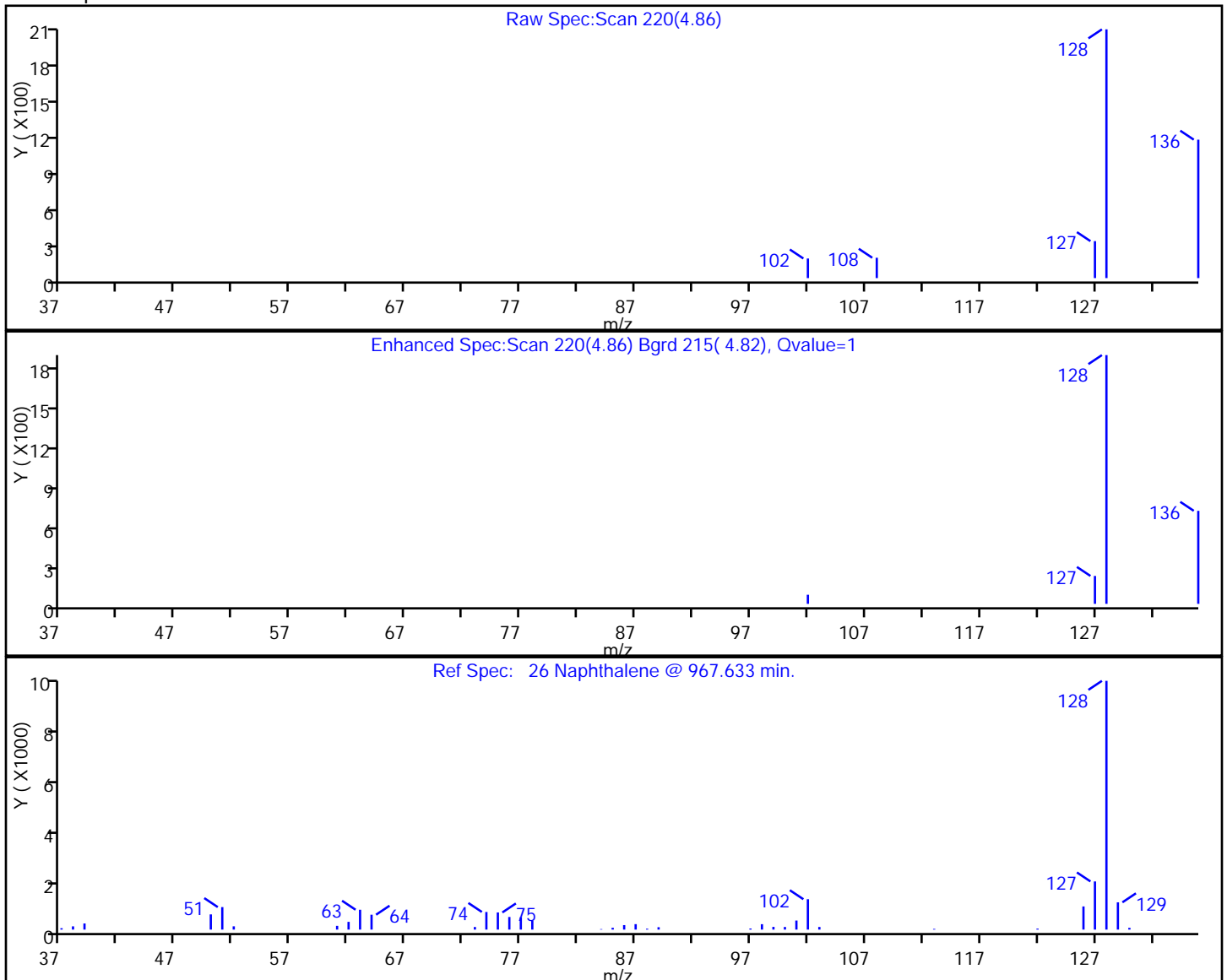
Review Flags

M - Manually Integrated

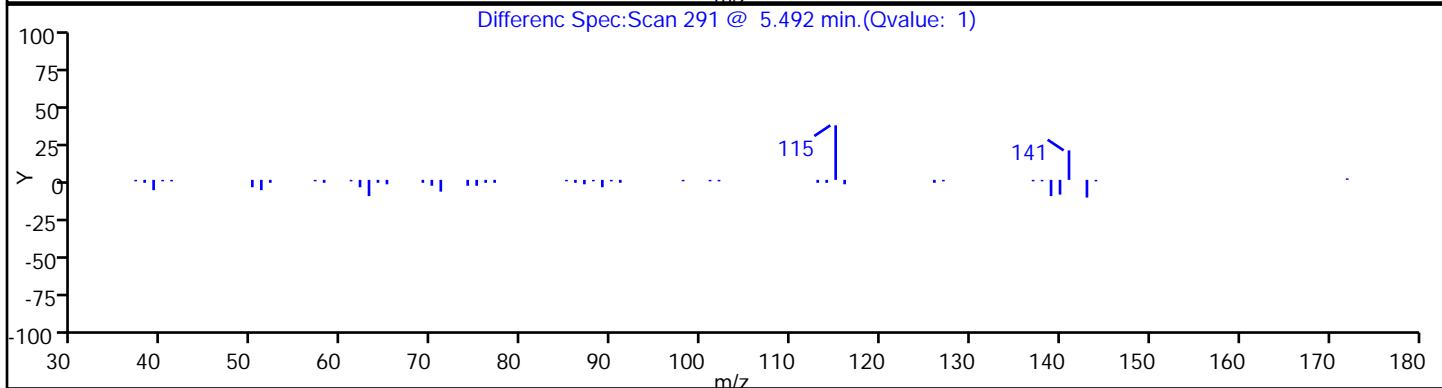
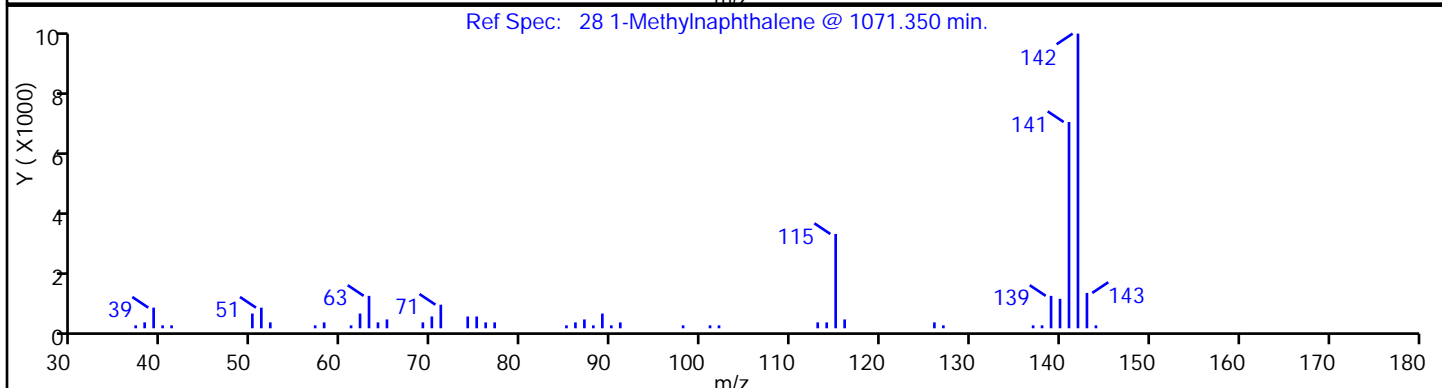
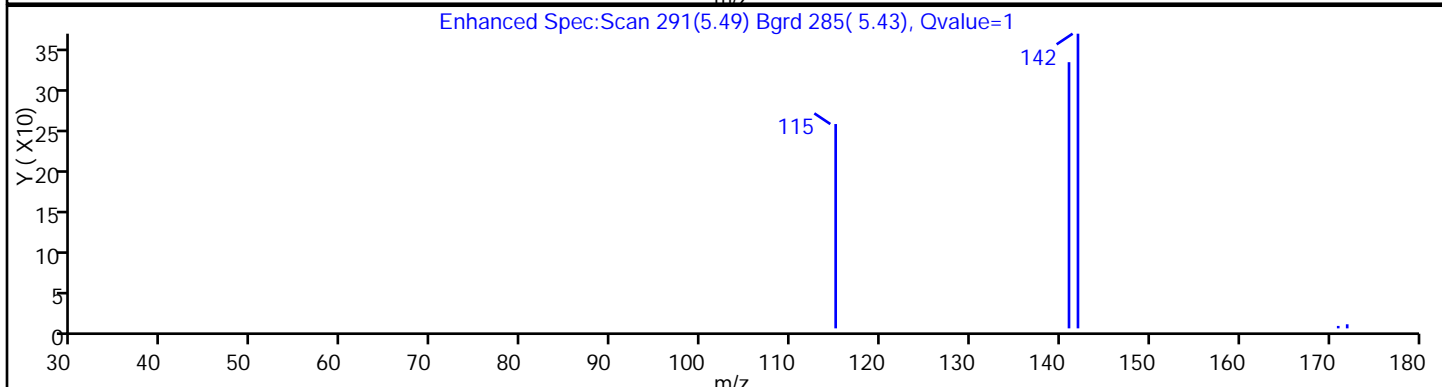
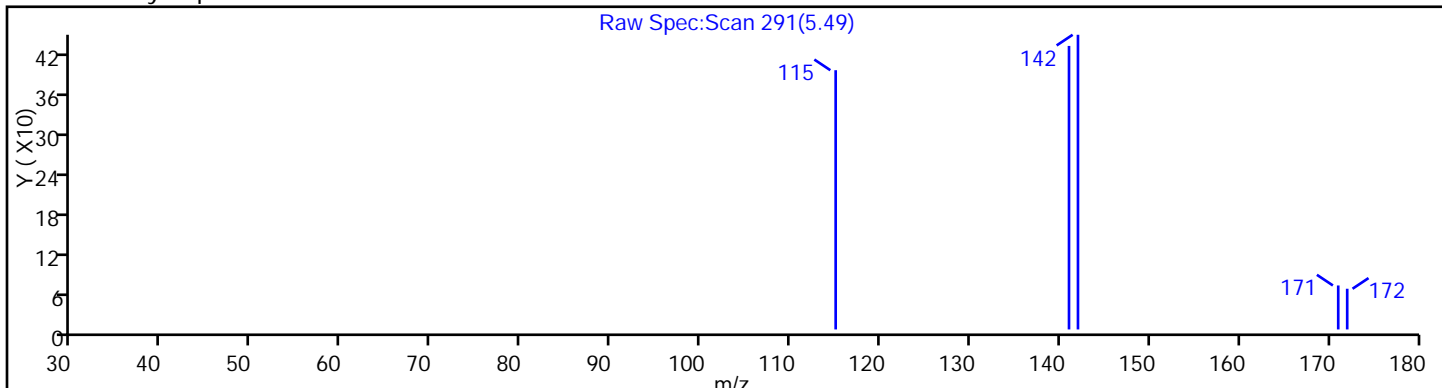
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



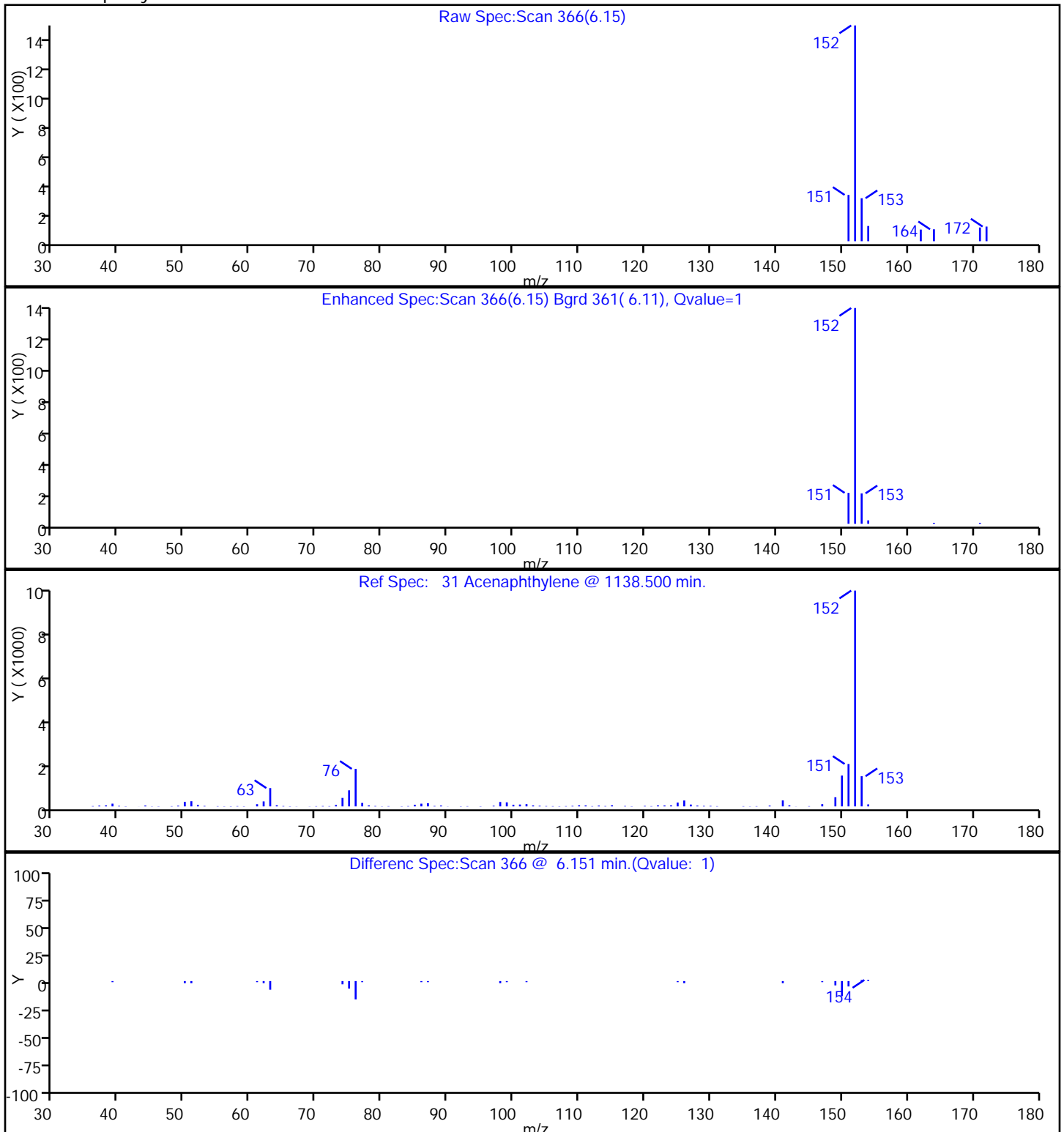
26 Naphthalene



28 1-Methylnaphthalene



31 Acenaphthylene



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

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

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

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

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA09-COMP-120507

Instrument ID: TAC023

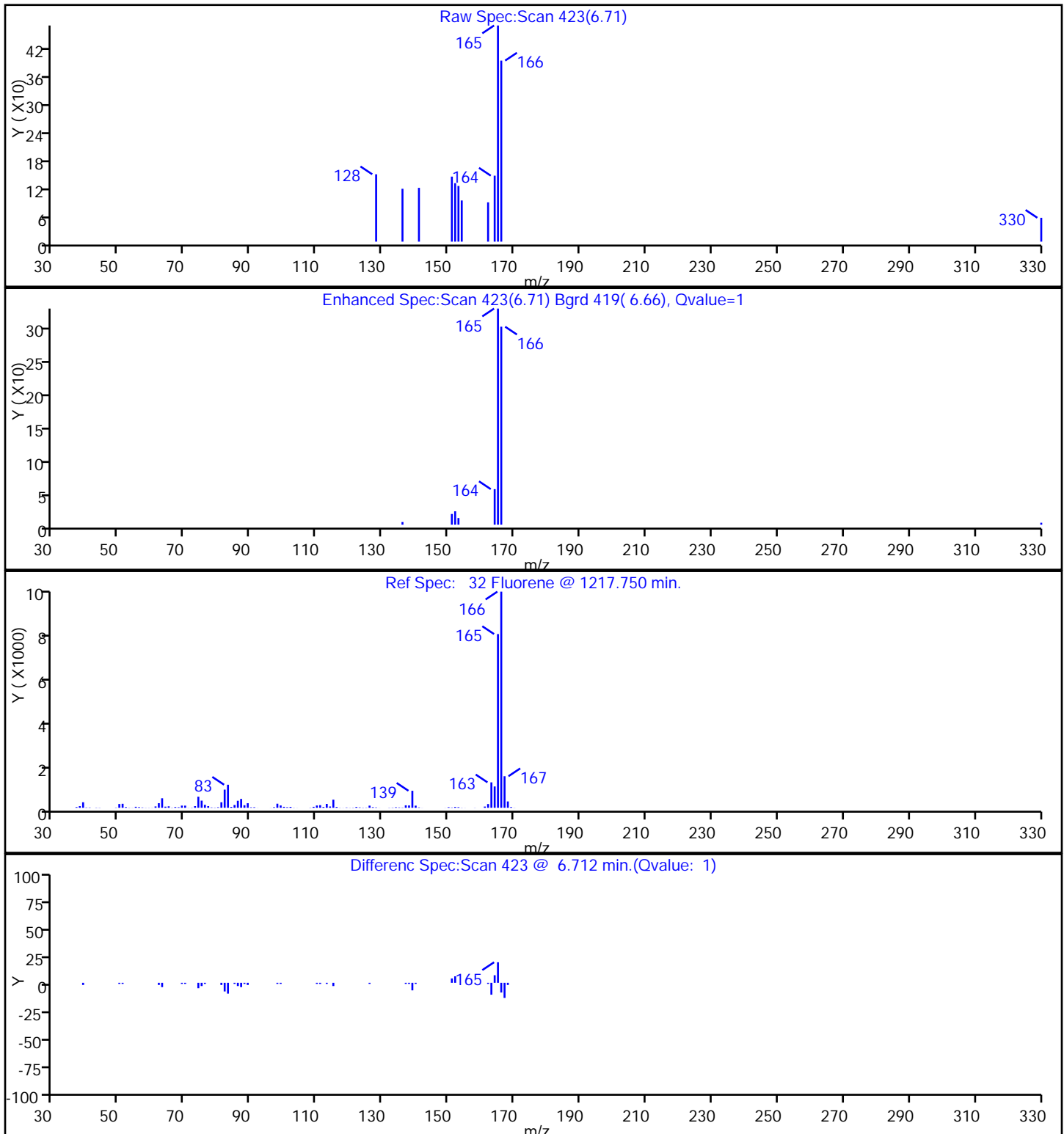
Lims Batch ID: 112072

Lims Sample ID: 9

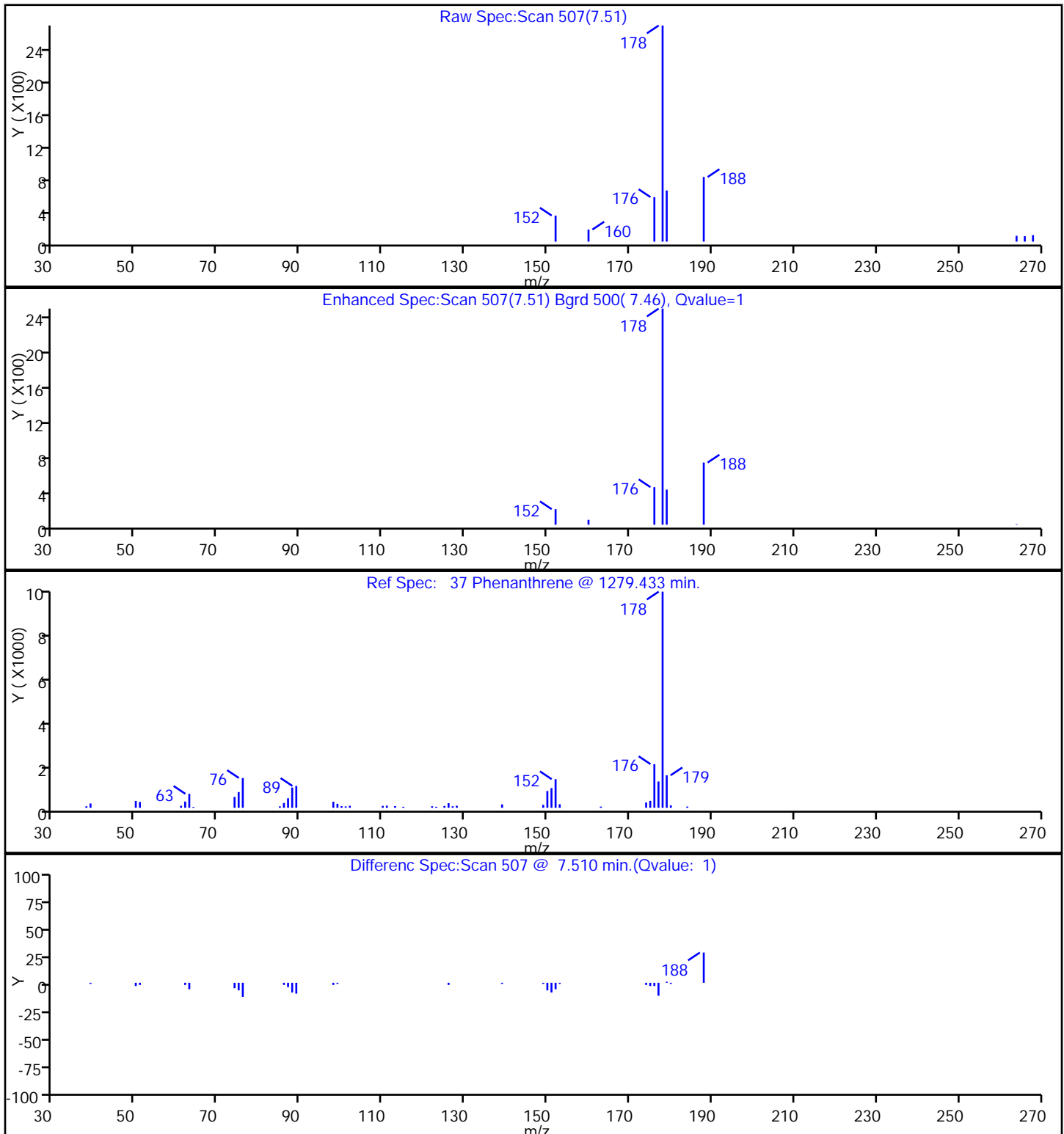
Operator ID: bat

Injection Vol: 1.00 ul

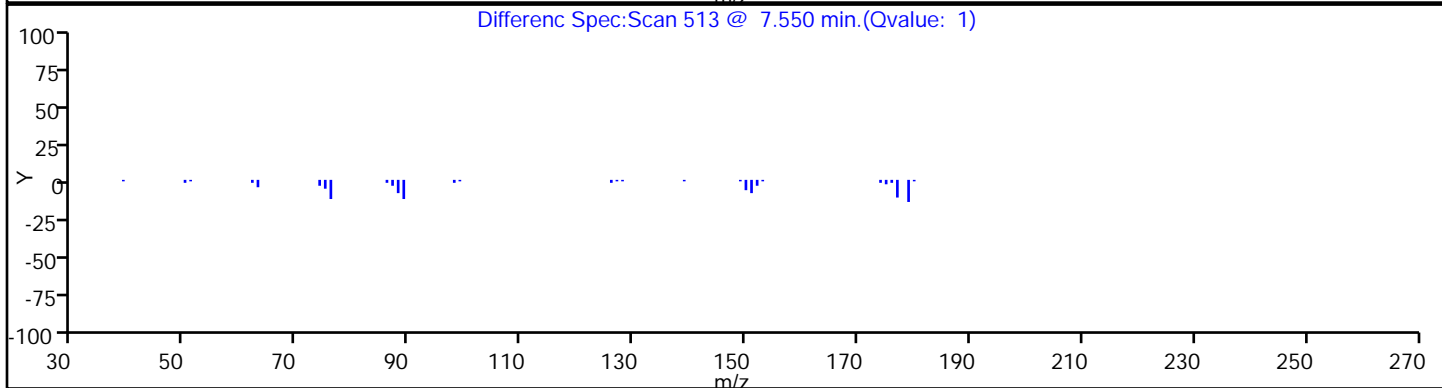
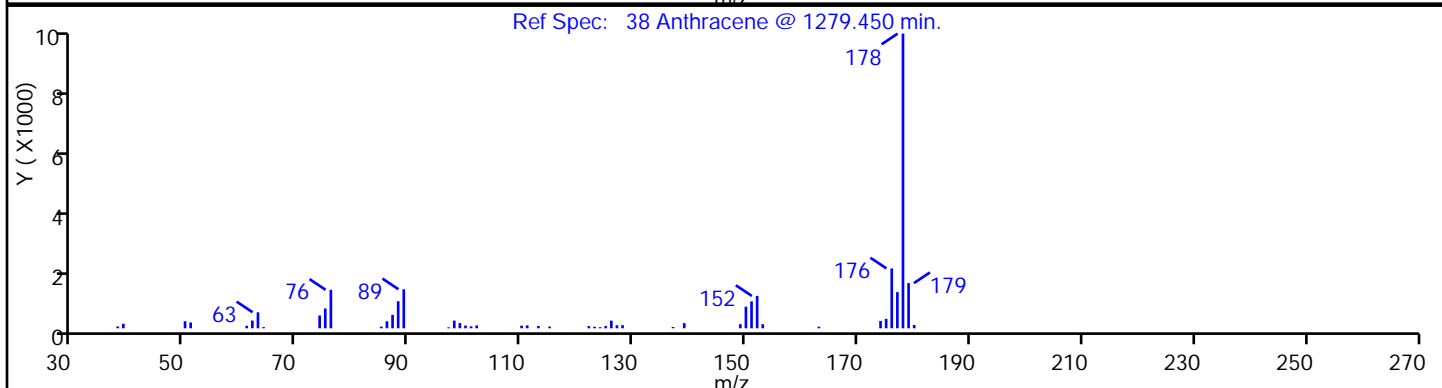
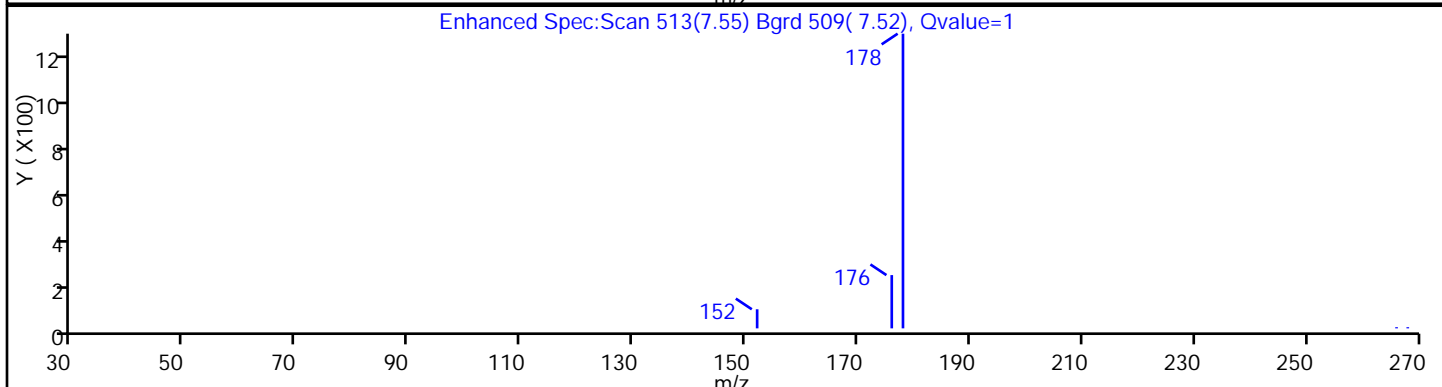
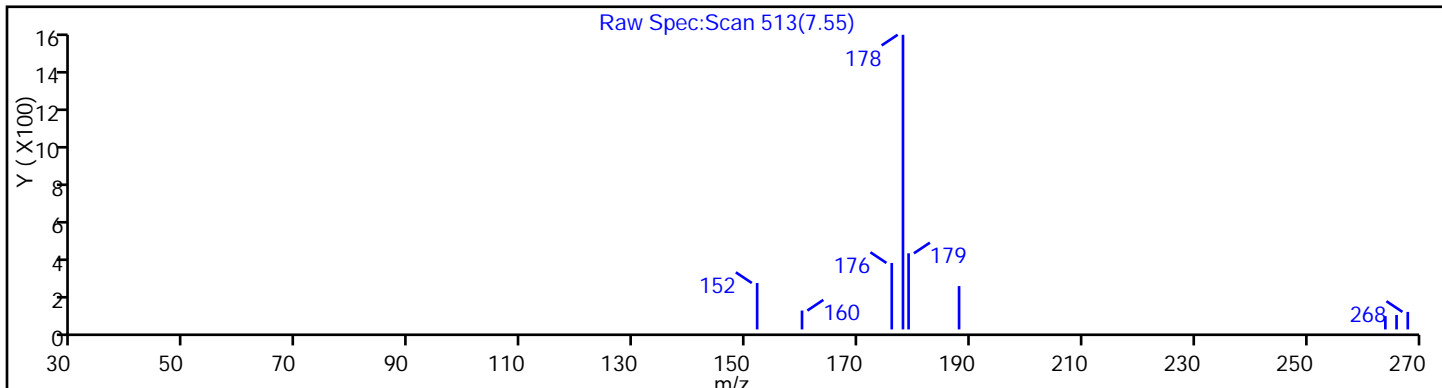
32 Fluorene



37 Phenanthrene



38 Anthracene



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

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

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

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

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA09-COMP-120507

Instrument ID: TAC023

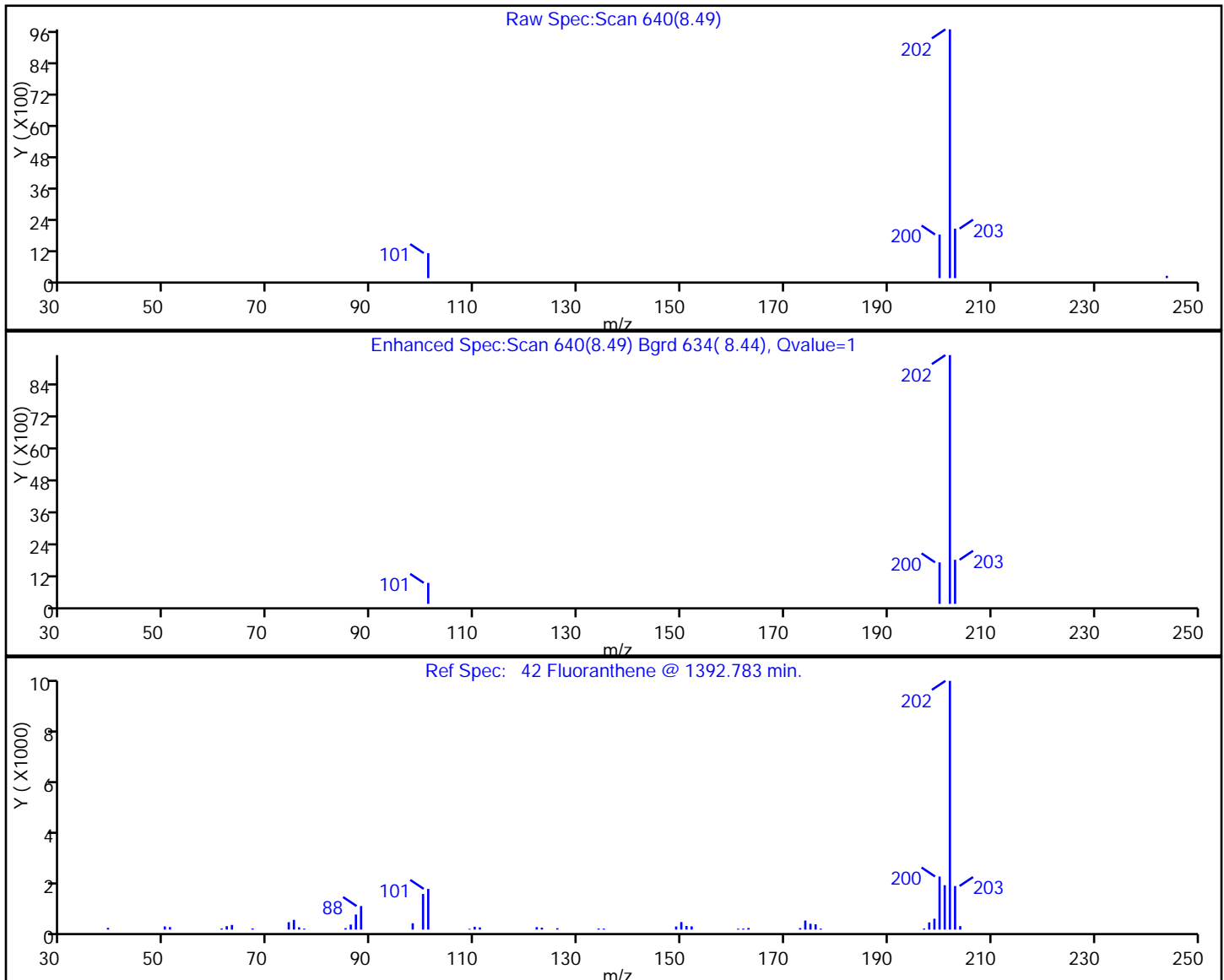
Lims Batch ID: 112072

Lims Sample ID: 9

Operator ID: bat

Injection Vol: 1.00 ul

42 Fluoranthene



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

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

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

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

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA09-COMP-120507

Instrument ID: TAC023

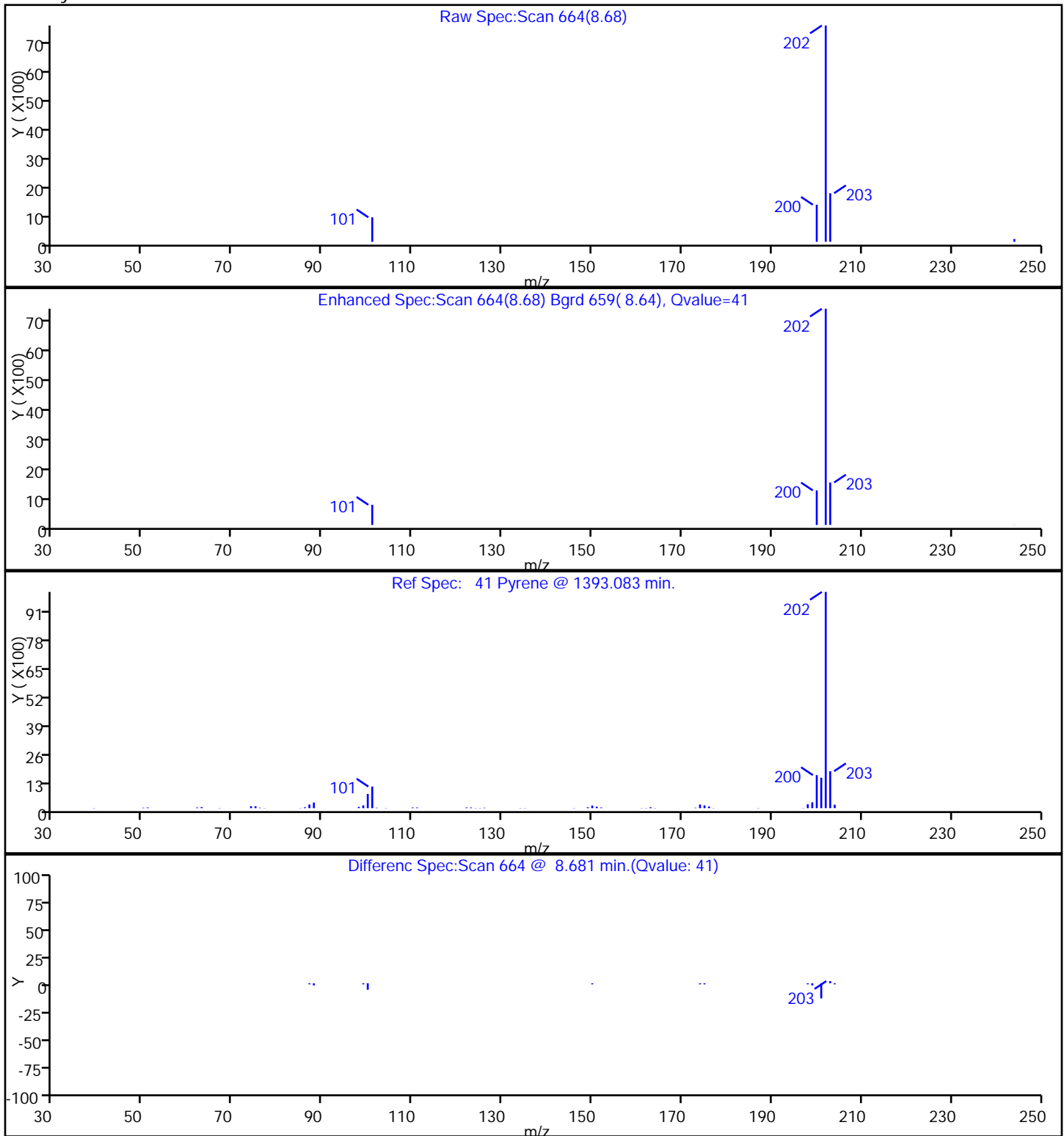
Lims Batch ID: 112072

Lims Sample ID: 9

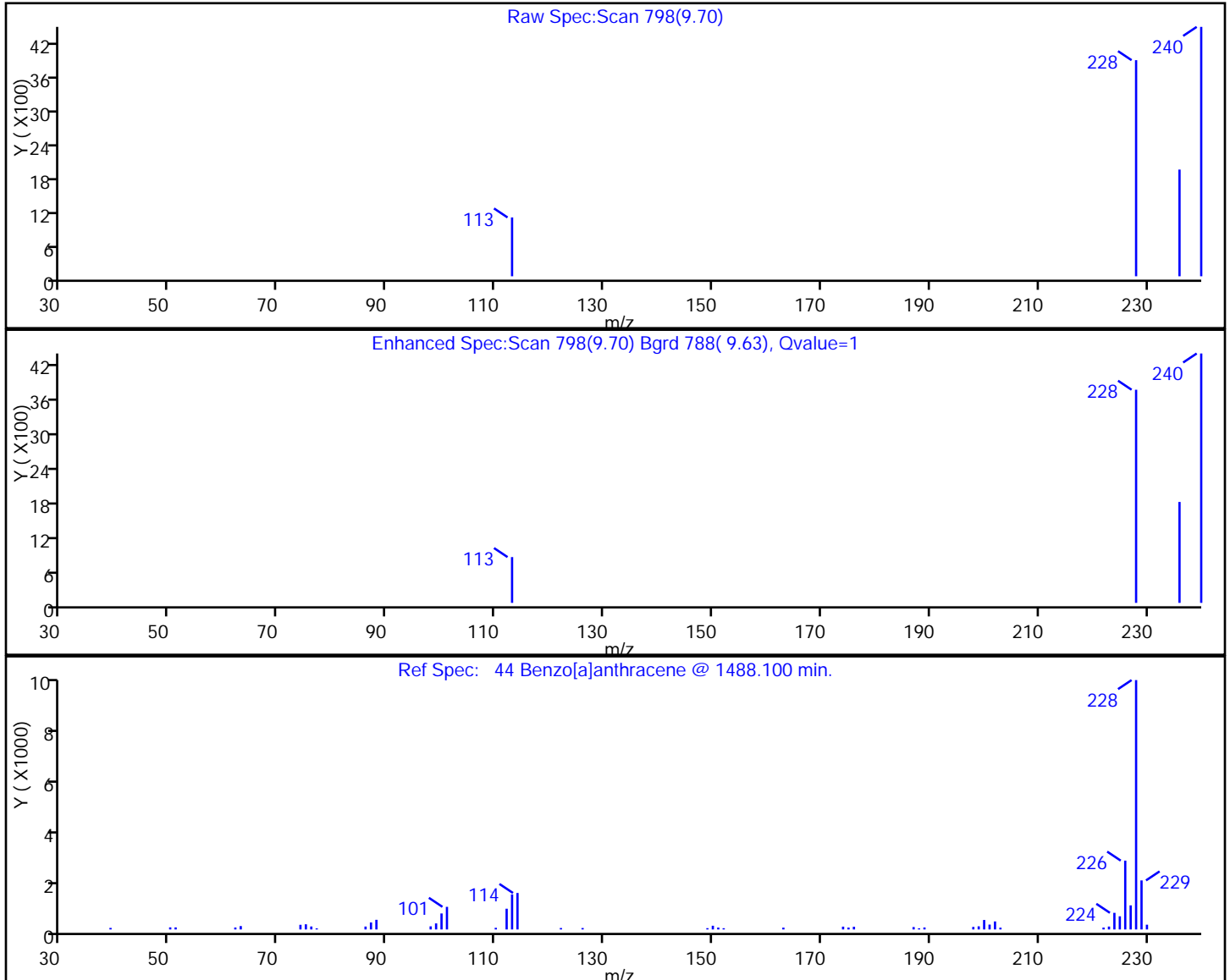
Operator ID: bat

Injection Vol: 1.00 ul

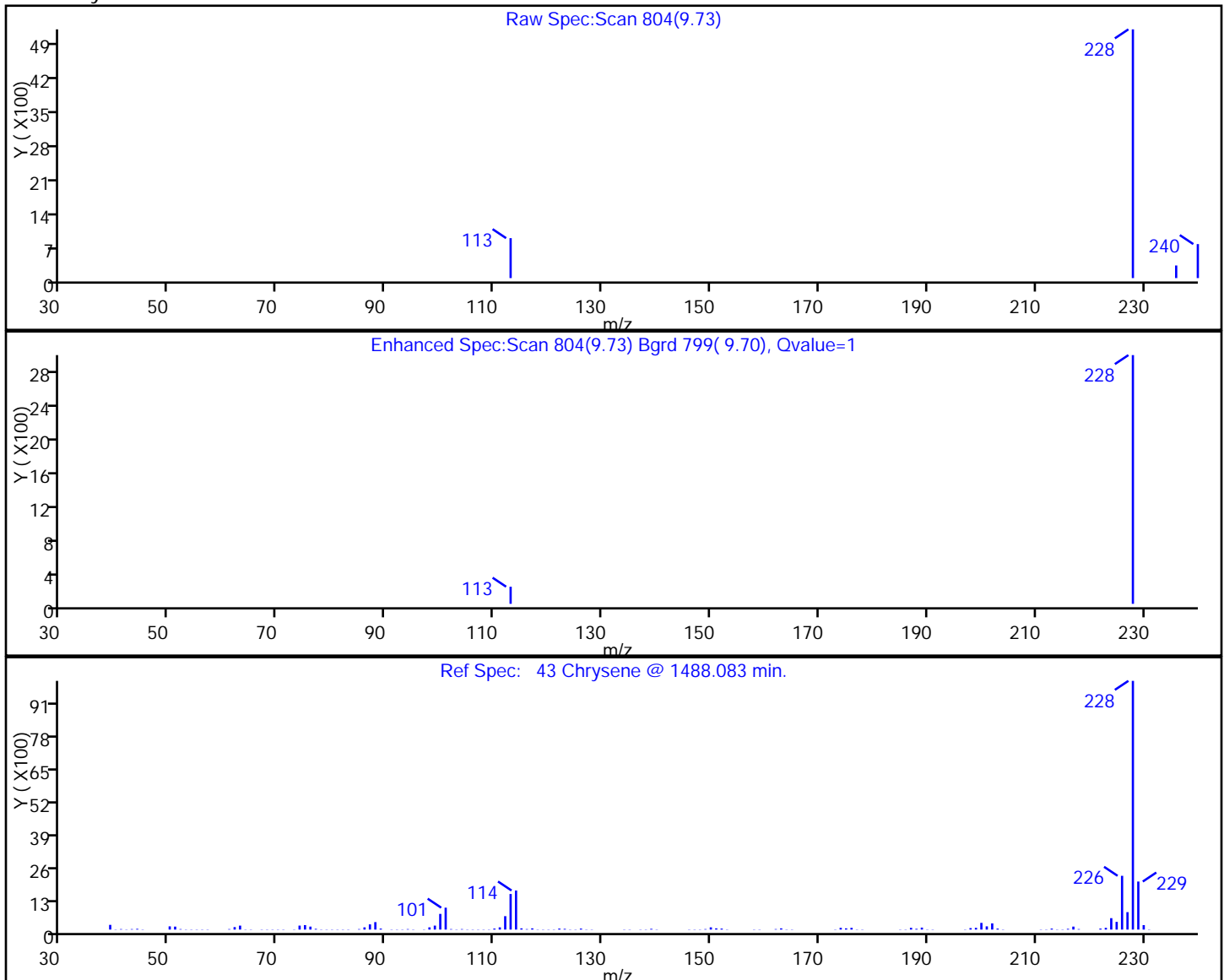
41 Pyrene



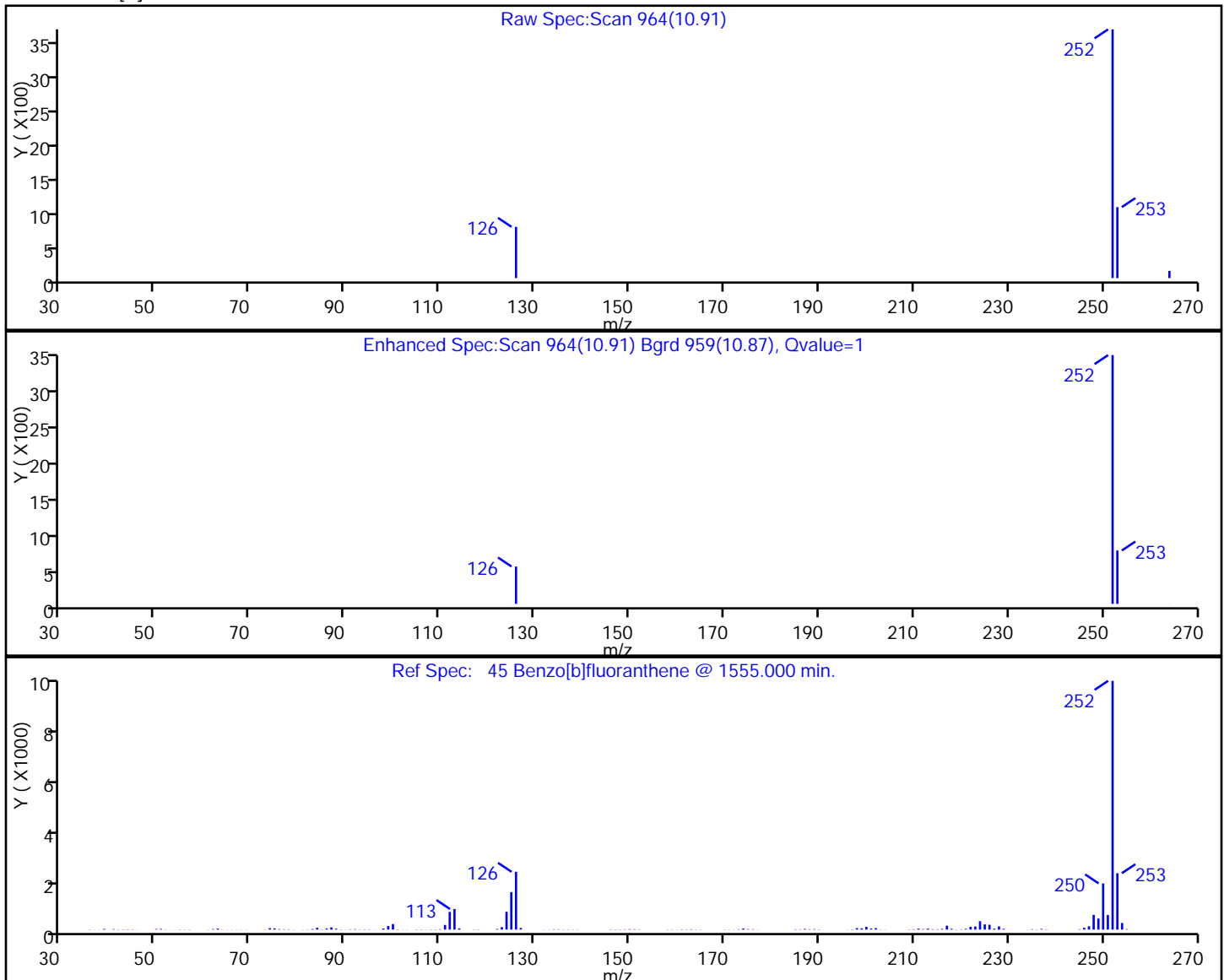
44 Benzo[a]anthracene



43 Chrysene



45 Benzo[b]fluoranthene



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

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

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

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

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA09-COMP-120507

Instrument ID: TAC023

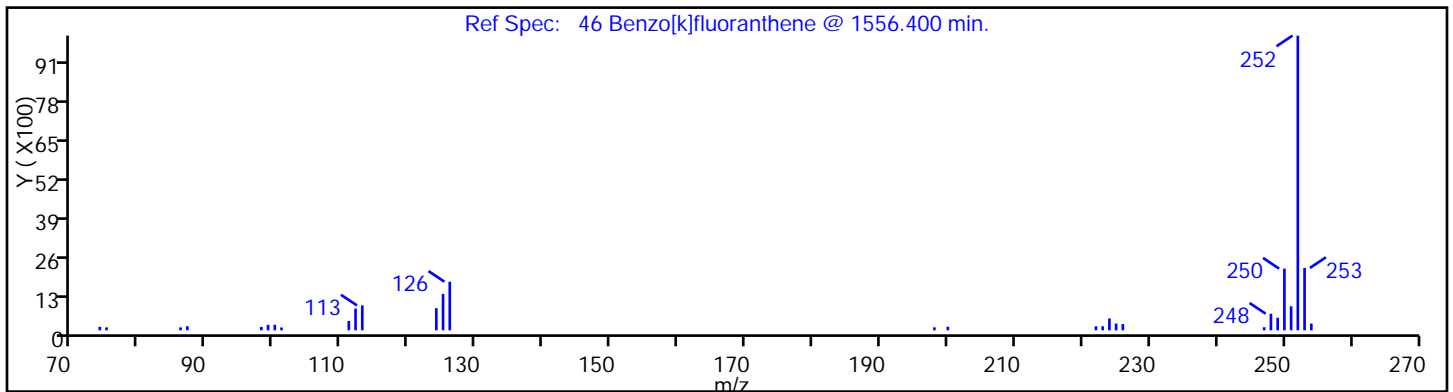
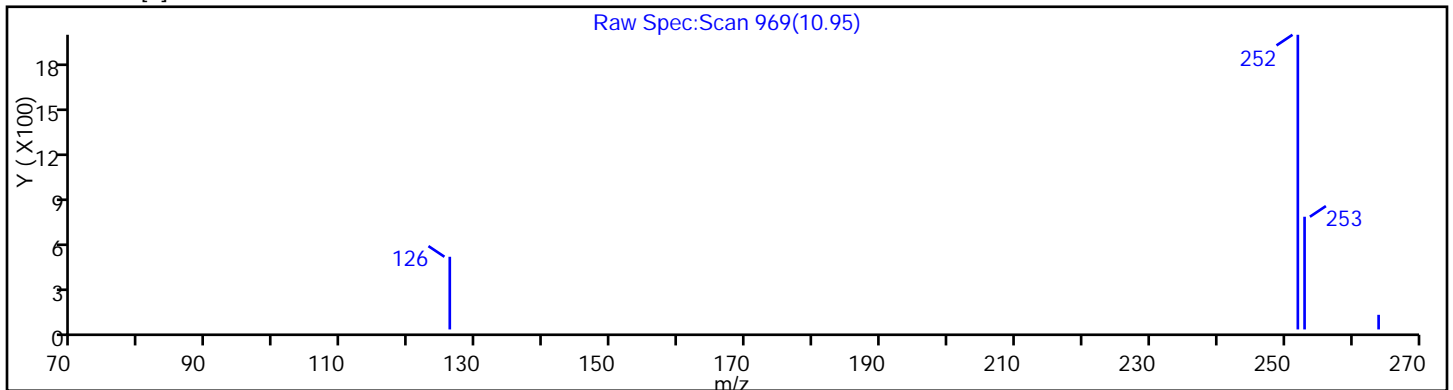
Lims Batch ID: 112072

Lims Sample ID: 9

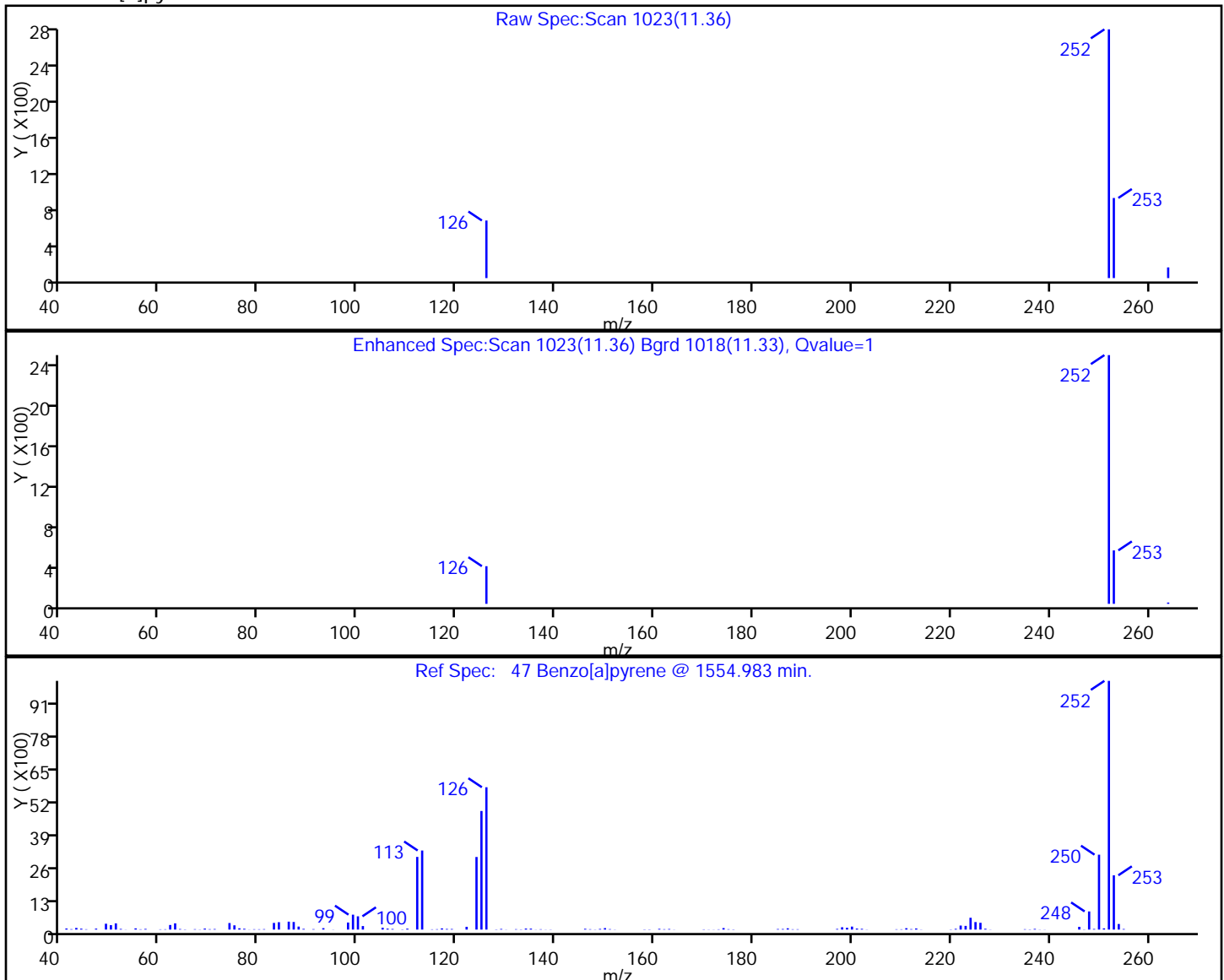
Operator ID: bat

Injection Vol: 1.00 ul

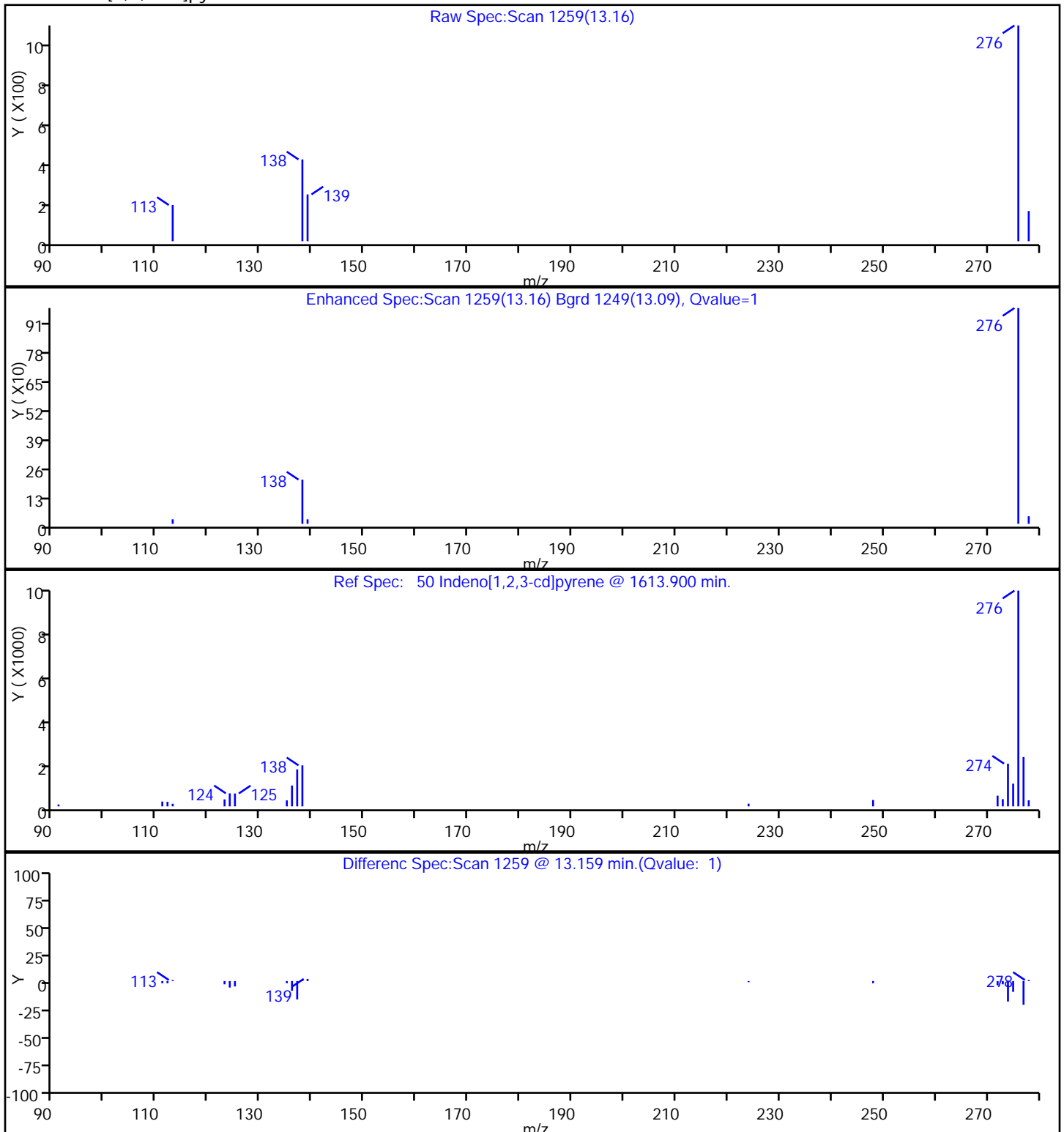
46 Benzo[k]fluoranthene



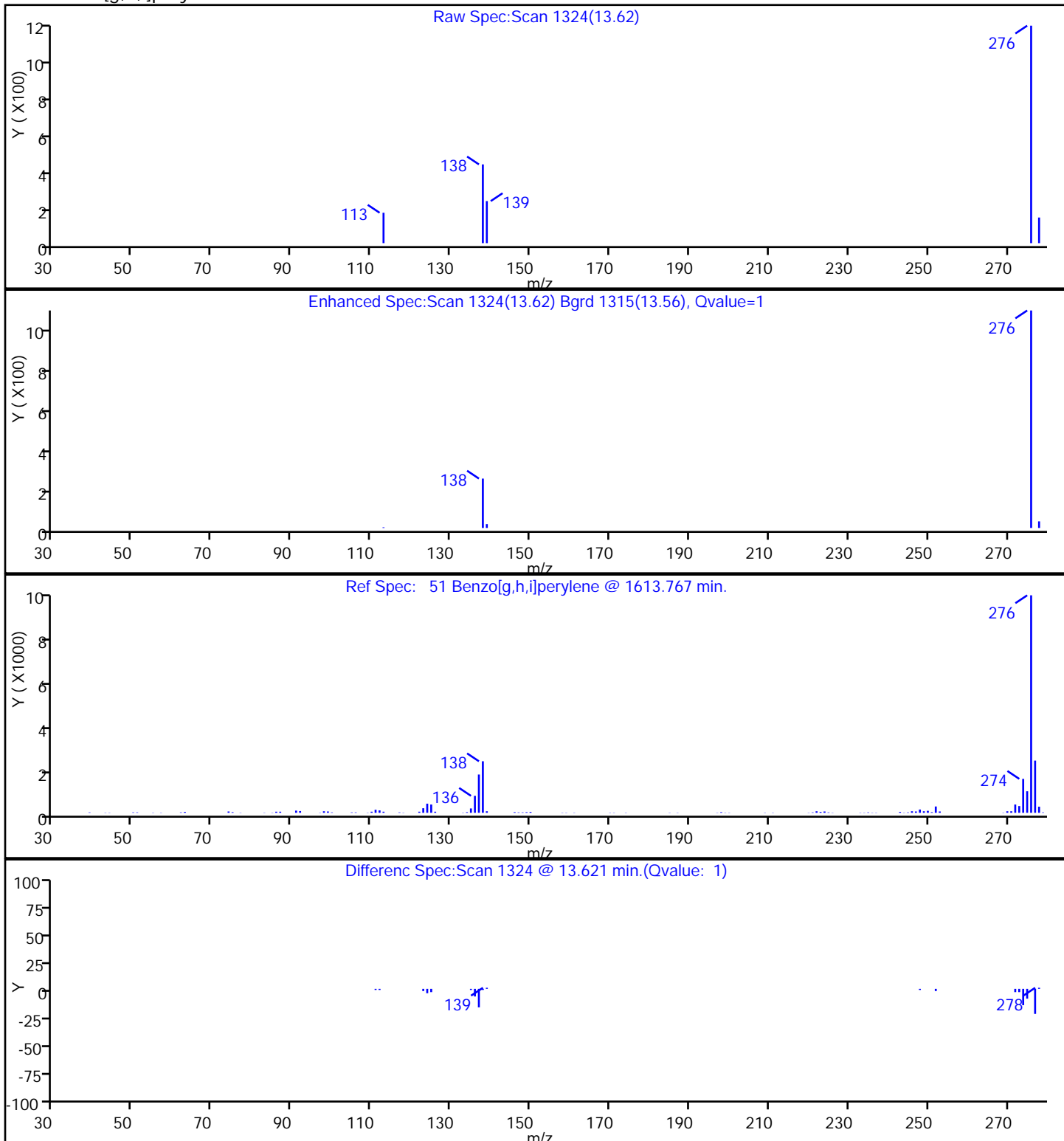
47 Benzo[a]pyrene



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



51 Benzo[g,h,i]perylene

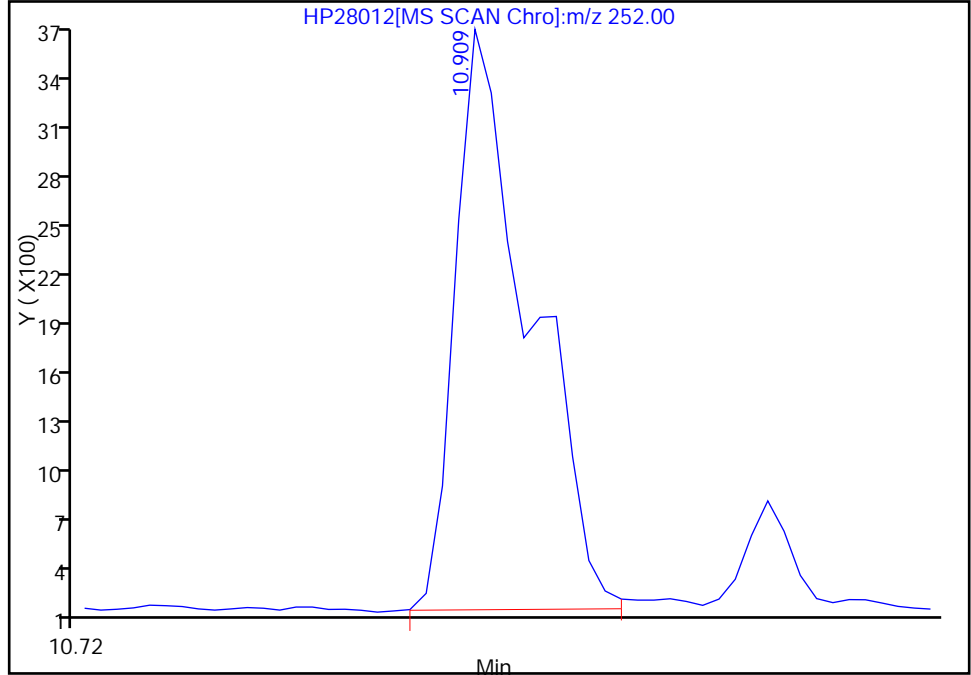


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28012.D
Injection Date: 25-May-2012 14:01:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-EA09-COMP-120507 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 9
Operator ID: bat Injection Vol: 1.00 ul

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

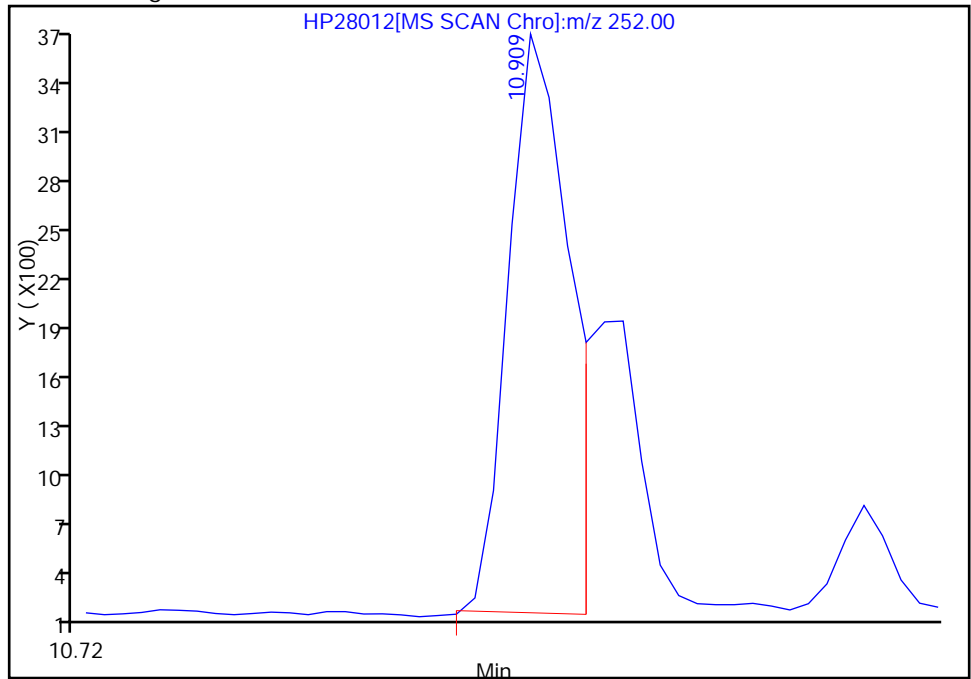
RT: 10.91
Response: 8393
Amount: 17.814177

Processing Integration Results



RT: 10.91
Response: 5779
Amount: 12.265951

Manual Integration Results



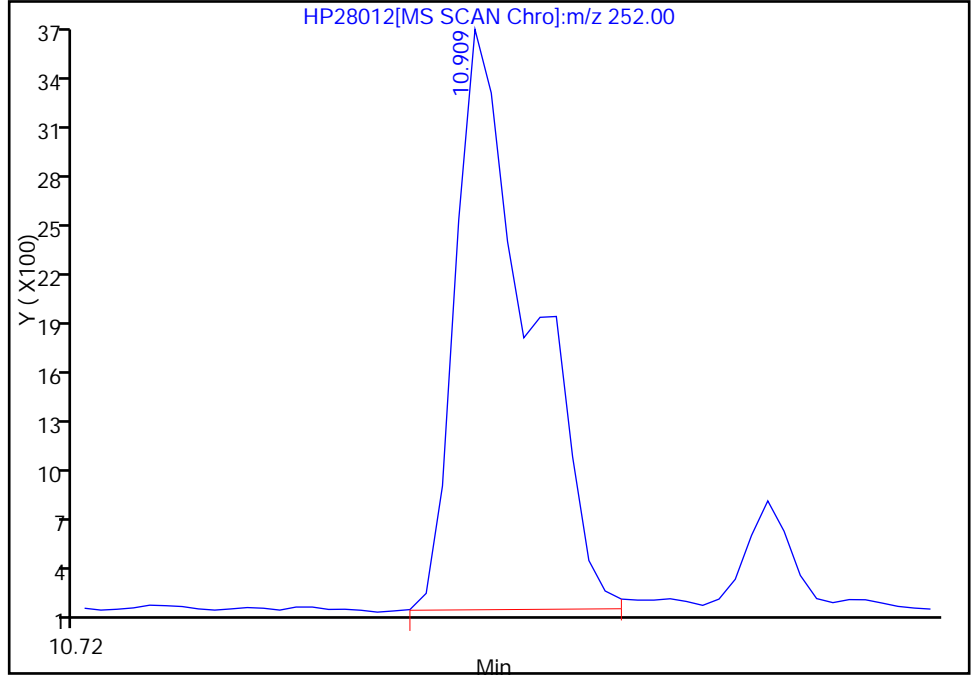
Reviewer: tadesseb, 25-May-2012 16:20:55
Audit Action: Manually Integrated
Audit Reason: Baseline

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

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

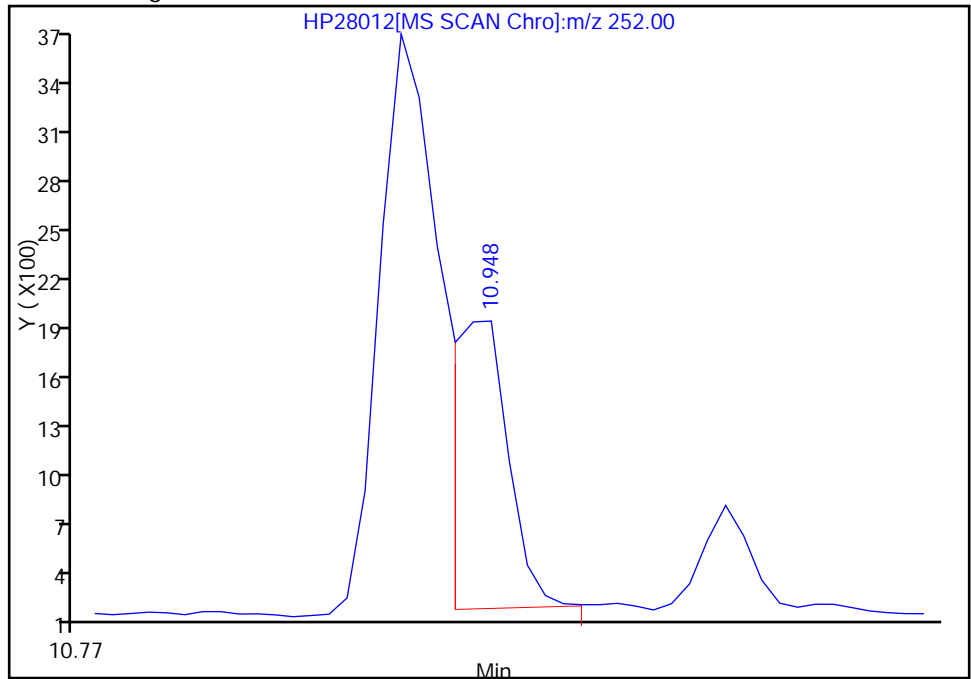
RT: 10.91
Response: 8393
Amount: 17.588730

Processing Integration Results



RT: 10.95
Response: 2486
Amount: 5.209768

Manual Integration Results



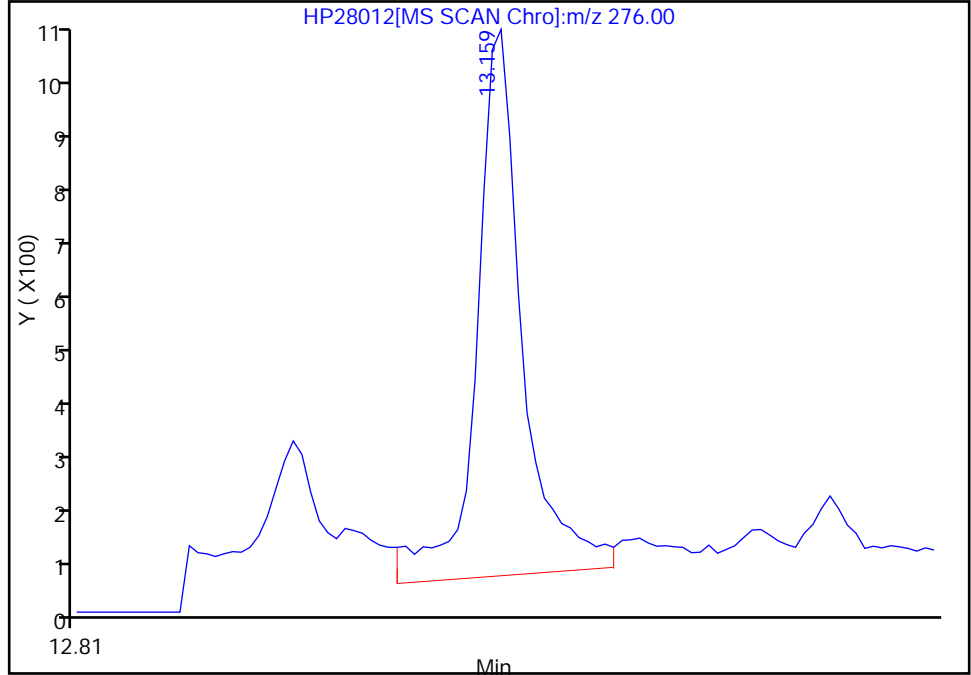
Reviewer: tadesseb, 25-May-2012 16:20:55
Audit Action: Manually Integrated
Audit Reason: Baseline

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

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

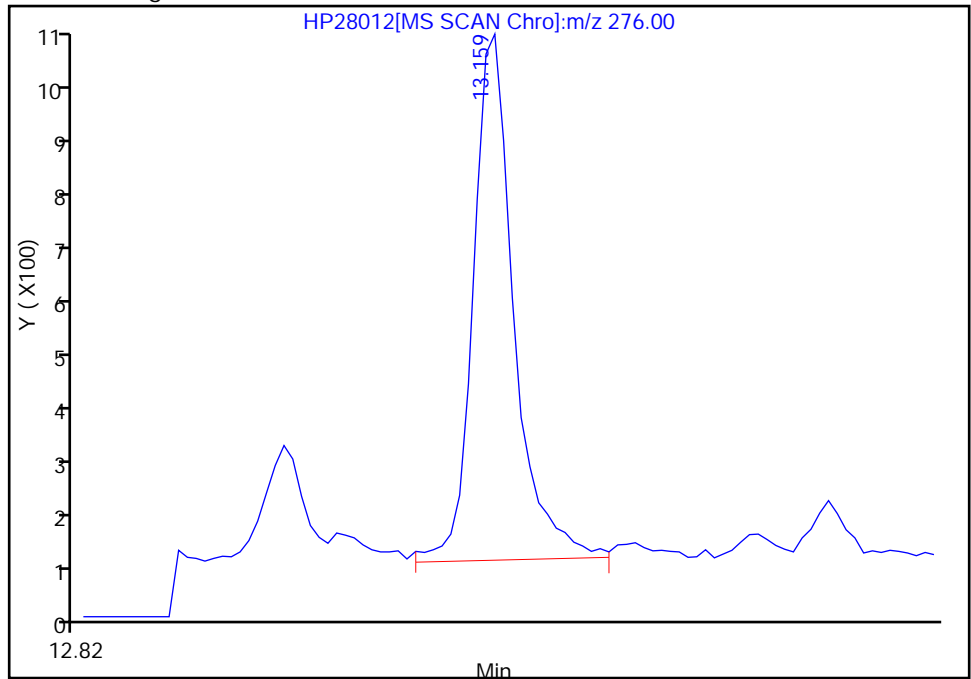
RT: 13.16
Response: 2641
Amount: 6.931726

Processing Integration Results



RT: 13.16
Response: 2228
Amount: 5.847741

Manual Integration Results



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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

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

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

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

TestAmerica Laboratories
Target Compound Quantitation Report

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

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

First Level Reviewer: tadesseb

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

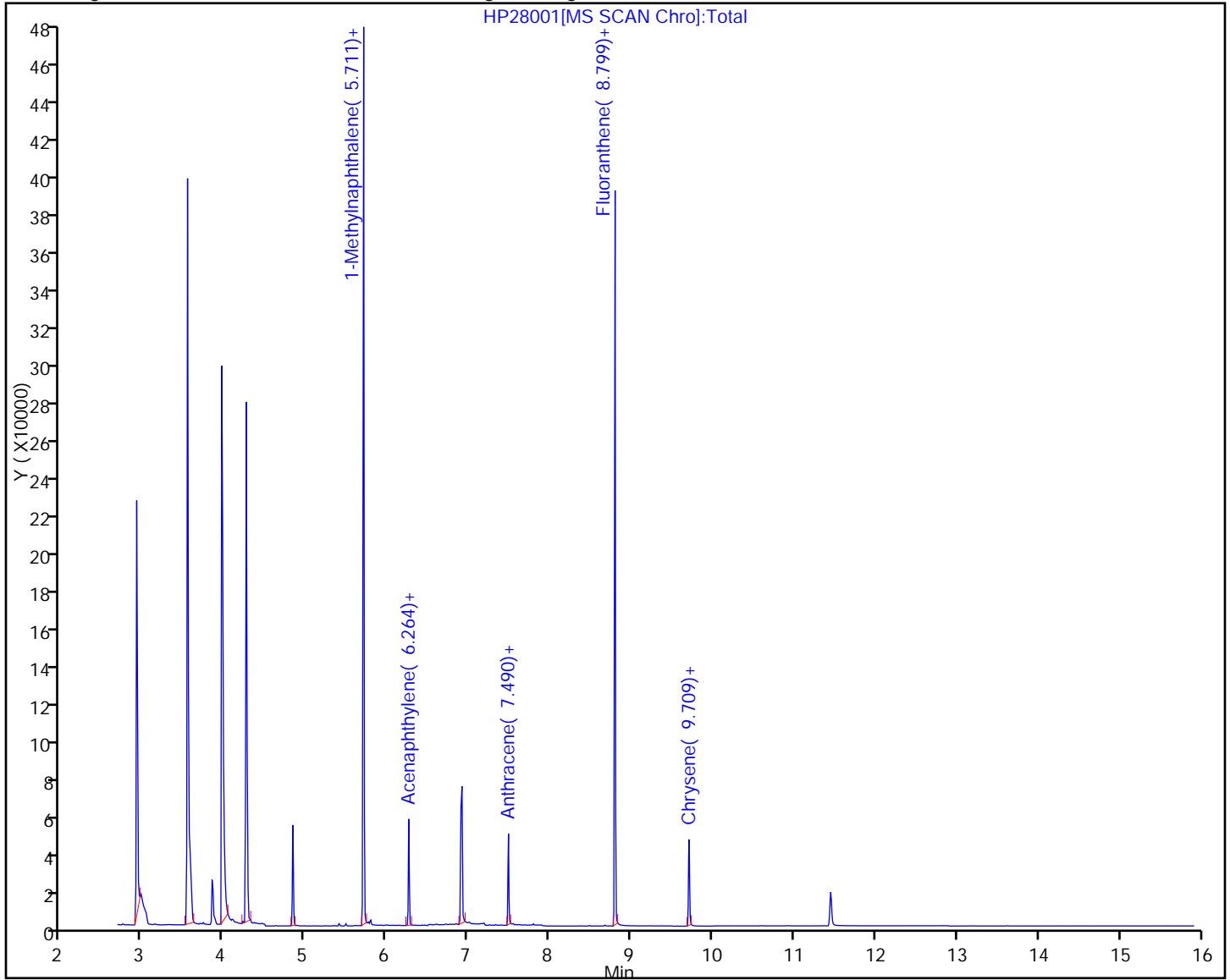
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.848	3.859	-0.011	1	16590	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	43454	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	23763	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	38104	98.0	
* 5 Chrysene-d12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

QC Flag Legend

Review Flags

M - Manually Integrated

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

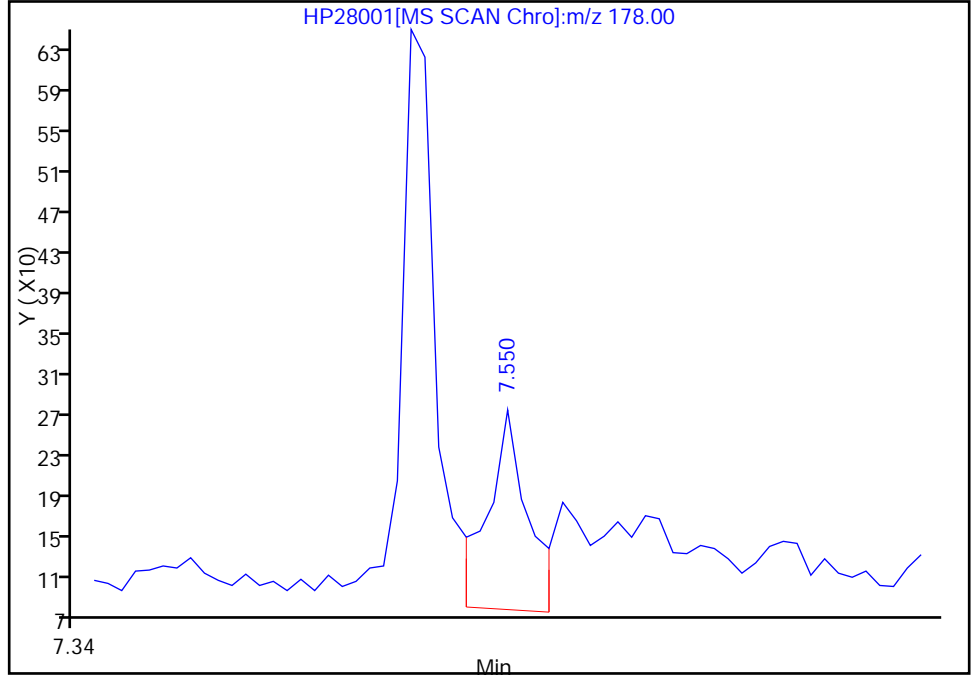


Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP28001.D
Injection Date: 23-May-2012 15:04:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-RB-120507 Instrument ID: TAC023
Lims Batch ID: 111929 Lims Sample ID: 6
Operator ID: bat Injection Vol: 1.00 ul

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

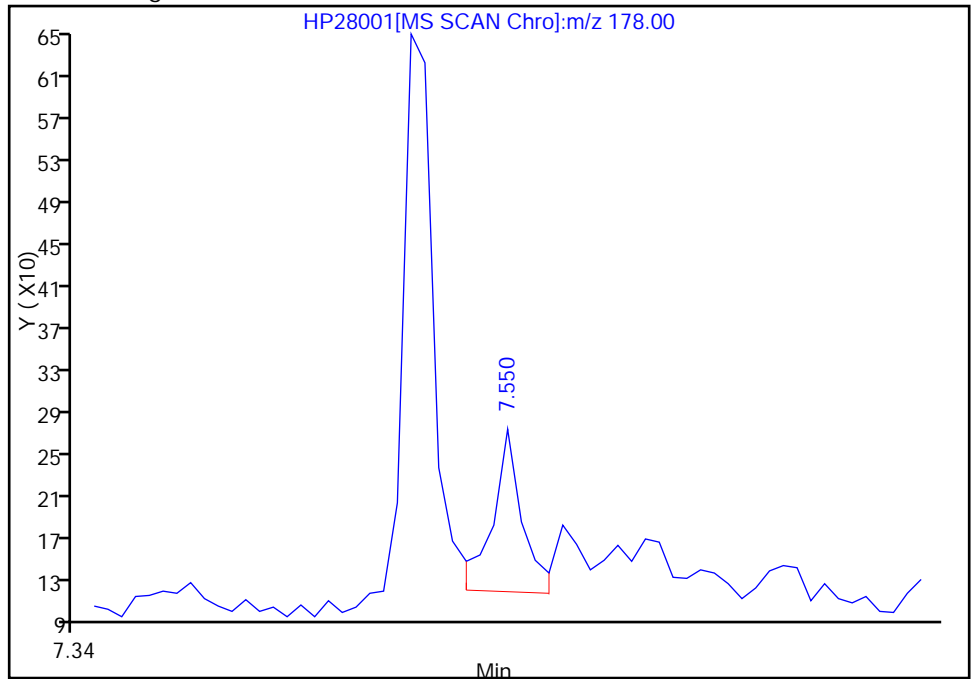
RT: 7.55
Response: 248
Amount: 0.526904

Processing Integration Results



RT: 7.55
Response: 147
Amount: 0.312318

Manual Integration Results



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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

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

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

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP28002.D
 Lims ID: 580-32803-A-55-A Client ID: JW-FB-120507
 Inject. Date: 23-May-2012 15:25:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 580-32803-a-55-a
 Misc. Info.: 580-0023402-007 =580-0023402-007
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 17
 Lims Batch ID: 111929 Lims Sample ID: 7
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120523-23402.b\8270C SIM TAC023.m
 Last Update: 24-May-2012 16:30:08 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-19

First Level Reviewer: tadesseb

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

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

QC Flag Legend

Review Flags

M - Manually Integrated

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

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

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

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

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-FB-120507

Instrument ID: TAC023

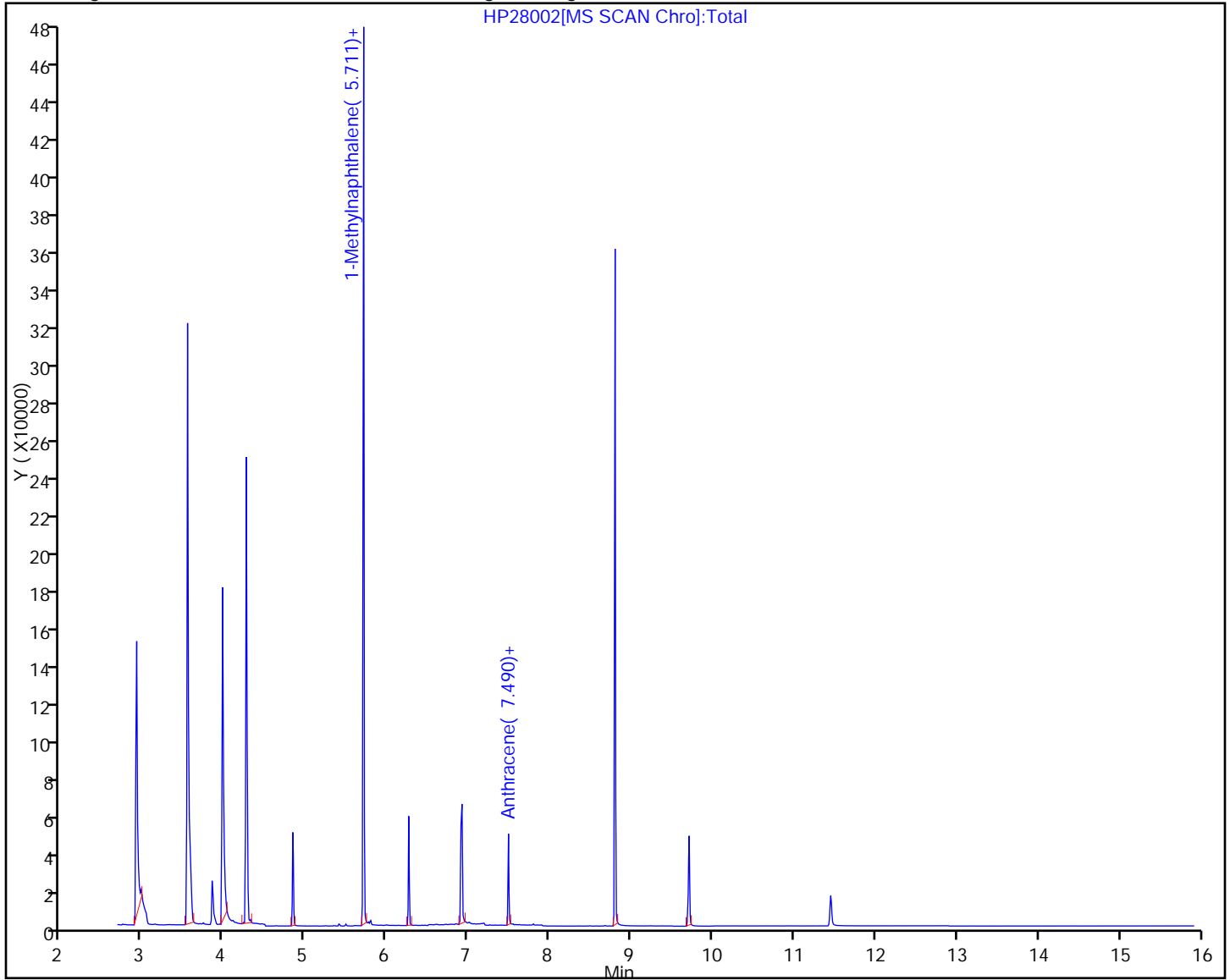
Lims Batch ID: 111929

Lims Sample ID: 7

Operator ID: bat

Injection Vol: 1.00 ul

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

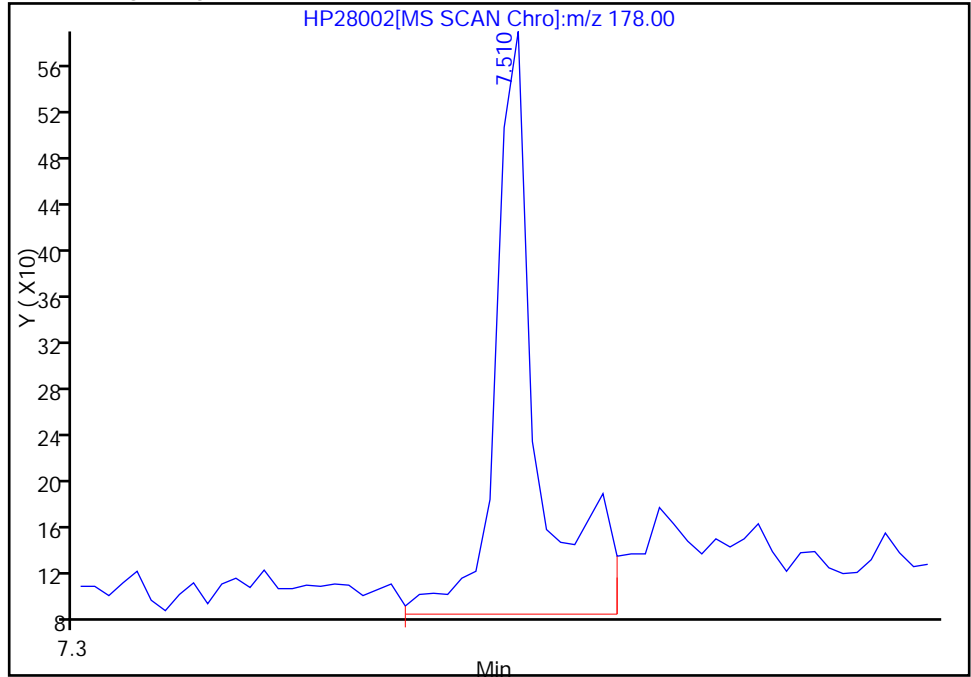


Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP28002.D
Injection Date: 23-May-2012 15:25:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-FB-120507 Instrument ID: TAC023
Lims Batch ID: 111929 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

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

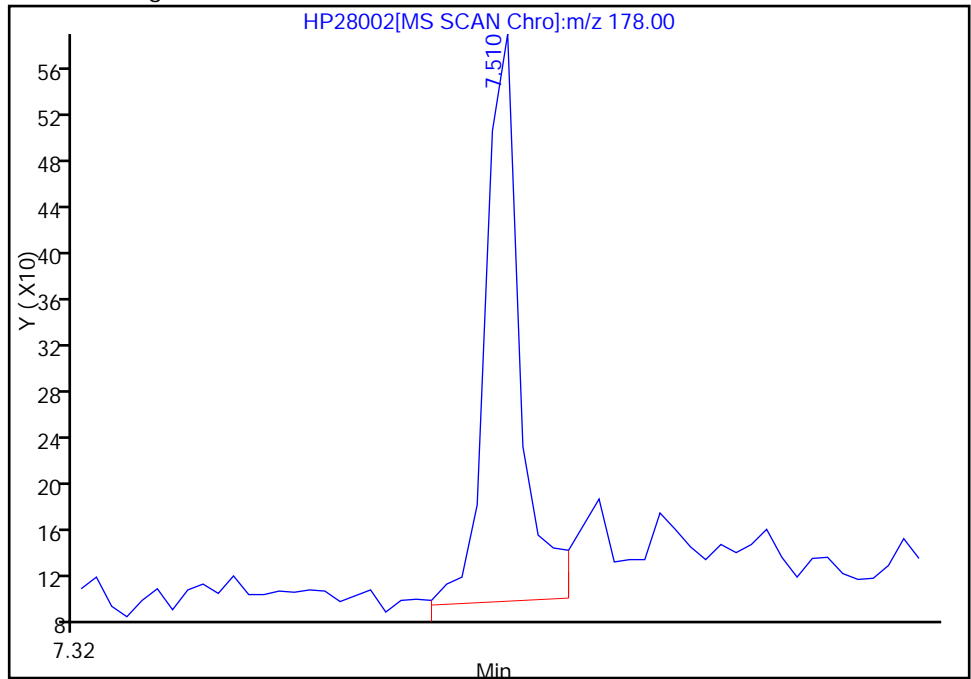
RT: 7.51
Response: 681
Amount: 1.476938

Processing Integration Results



RT: 7.51
Response: 508
Amount: 1.101739

Manual Integration Results



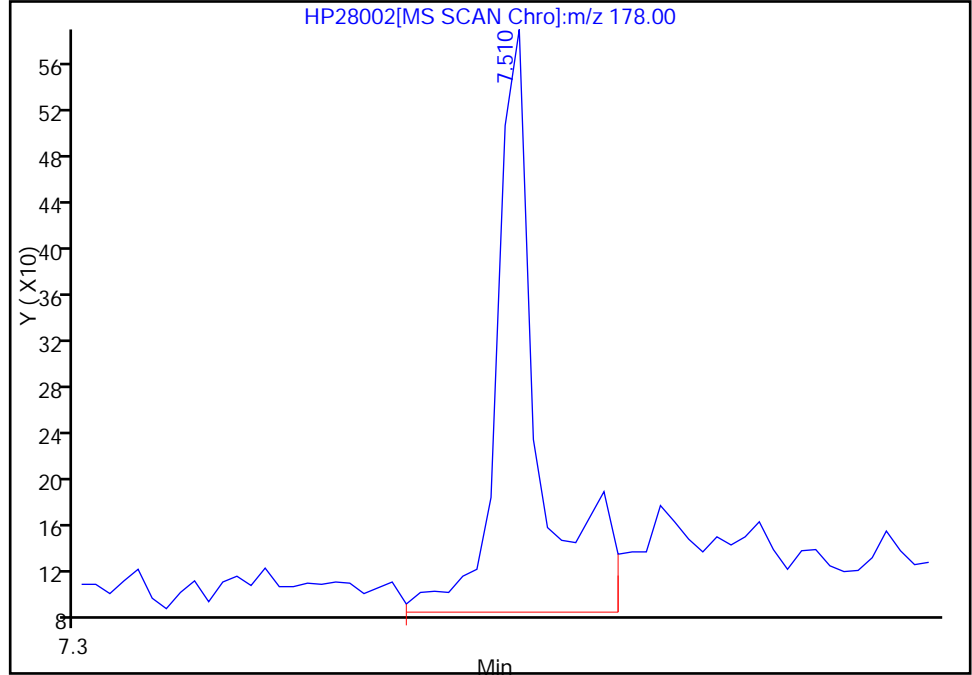
Reviewer: tadesseb, 24-May-2012 16:33:35
Audit Action: Manually Integrated
Audit Reason: Baseline

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

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

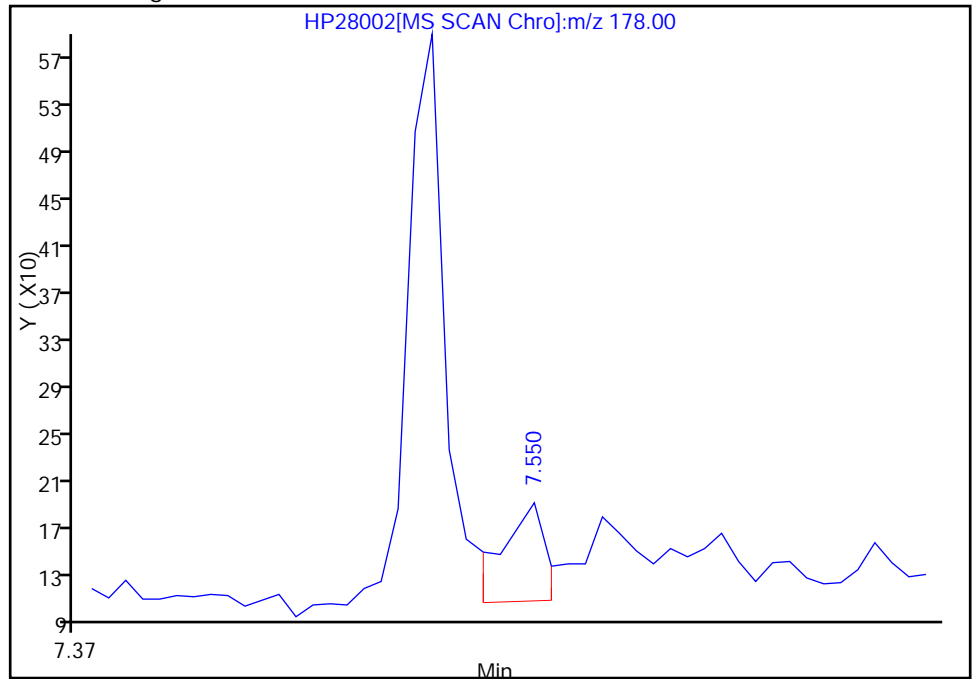
RT: 7.51
Response: 681
Amount: 1.498414

Processing Integration Results



RT: 7.55
Response: 89
Amount: 0.195828

Manual Integration Results



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

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

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

SDG No.: _____

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

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

Calibration Files:

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

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

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

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

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

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

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

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

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

SDG No.: _____

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

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

Calibration Files:

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

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

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

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

SDG No.: _____

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

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

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

Curve Type Legend:

Ave = Average ISTD
Qual = Quadratic 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

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

First Level Reviewer: tadesseb

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

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

QC Flag Legend

Review Flags

M - Manually Integrated

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

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

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

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

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

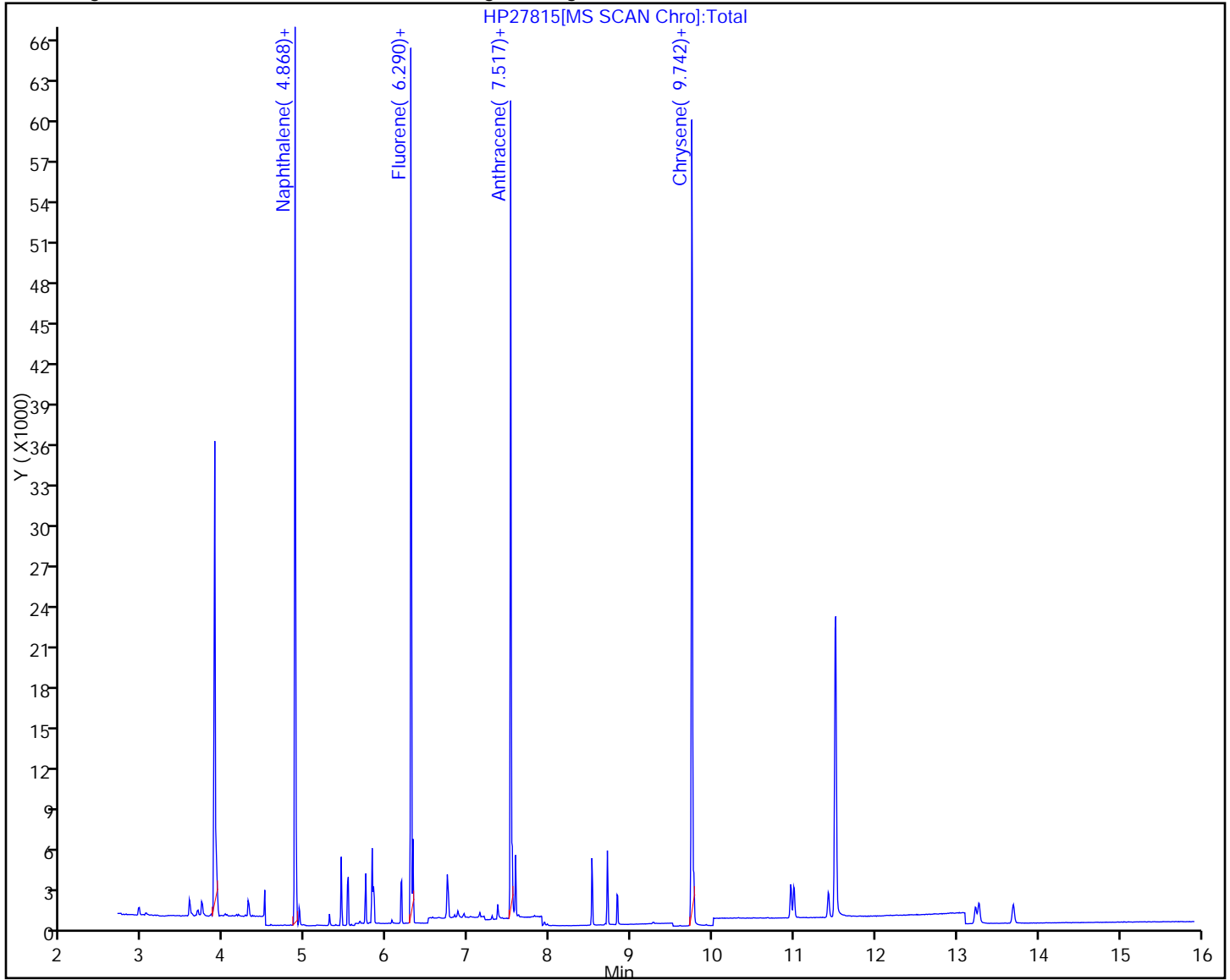
Lims Batch ID: 110125

Lims Sample ID: 3

Operator ID: bat

Injection Vol: 1.00 ul

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

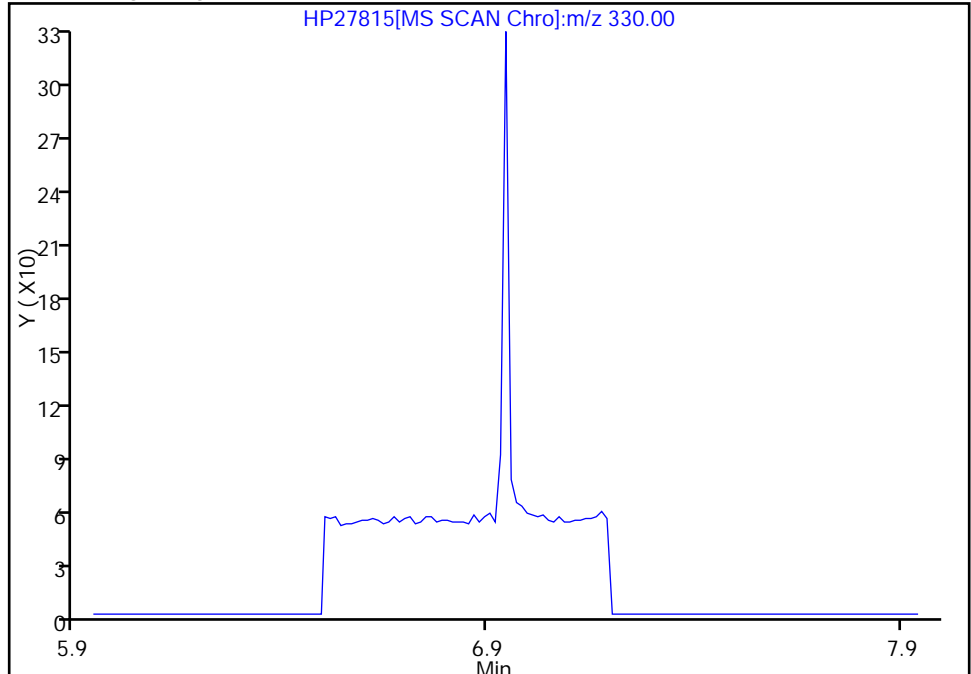


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D
Injection Date: 26-Apr-2012 16:06:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 3
Operator ID: bat Injection Vol: 1.00 ul

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

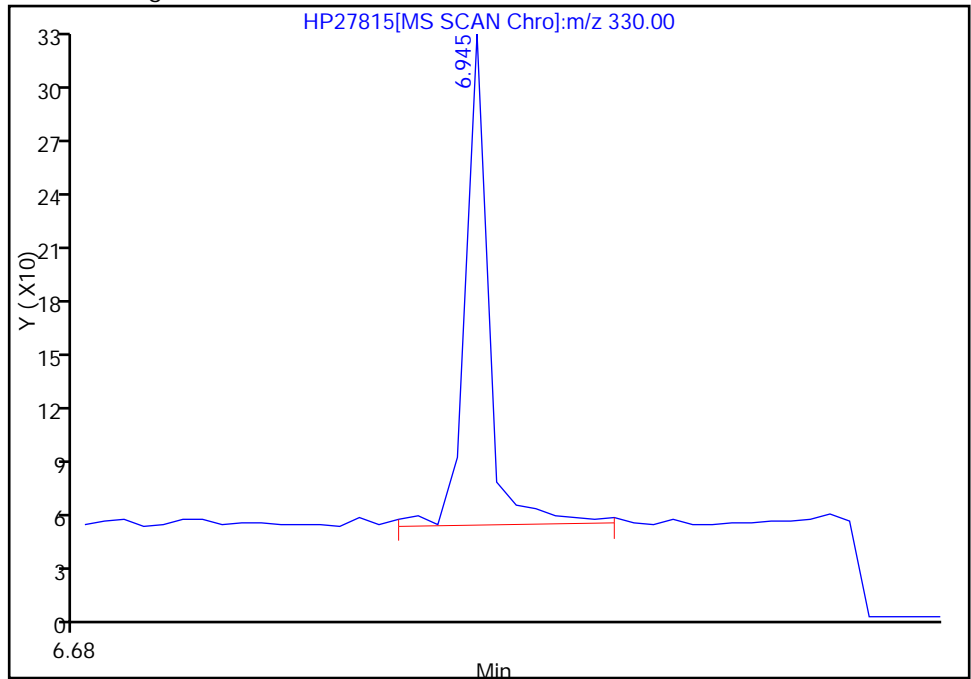
Not Detected
Expected RT: 6.94

Processing Integration Results



Manual Integration Results

RT: 6.94
Response: 293
Amount: 5.936334



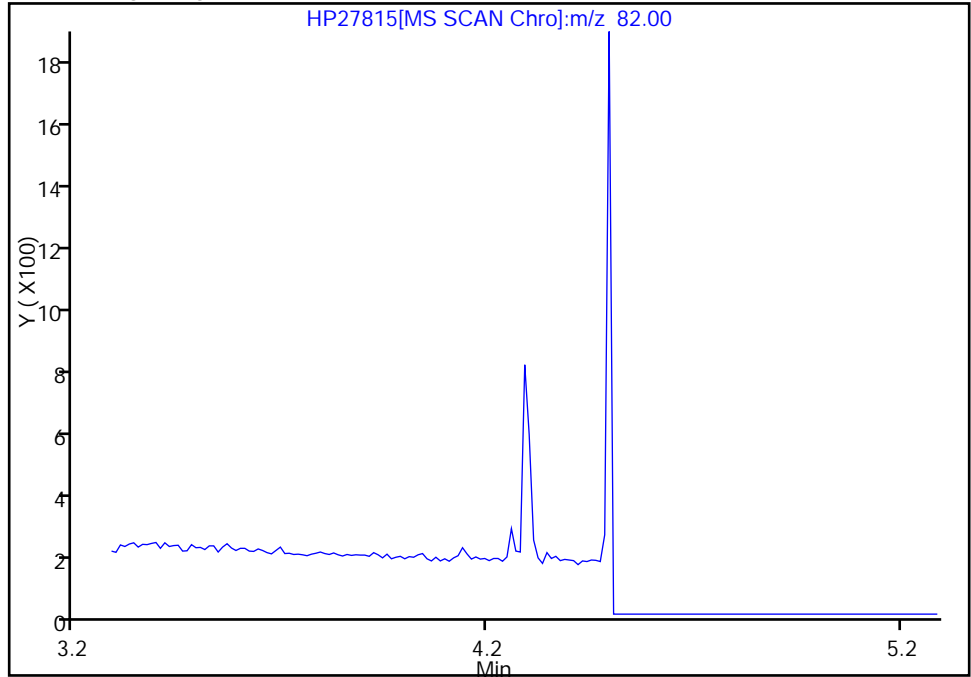
Reviewer: tadesseb, 26-Apr-2012 18:10:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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

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

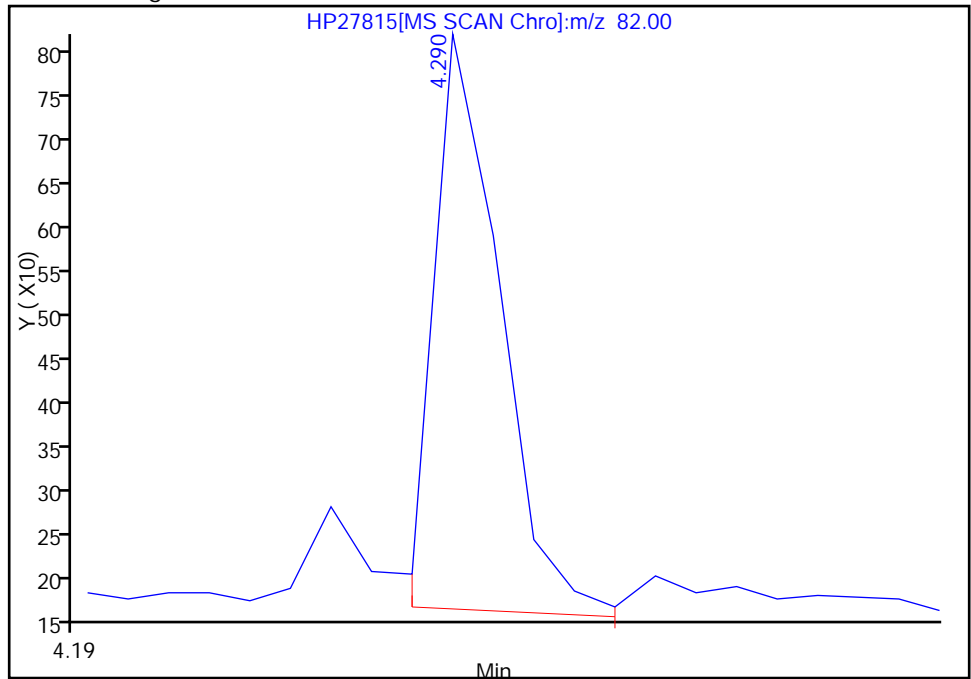
Not Detected
Expected RT: 4.29

Processing Integration Results



RT: 4.29
Response: 778
Amount: 4.627612

Manual Integration Results



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

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

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

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

Lims Batch ID: 110125

Lims Sample ID: 3

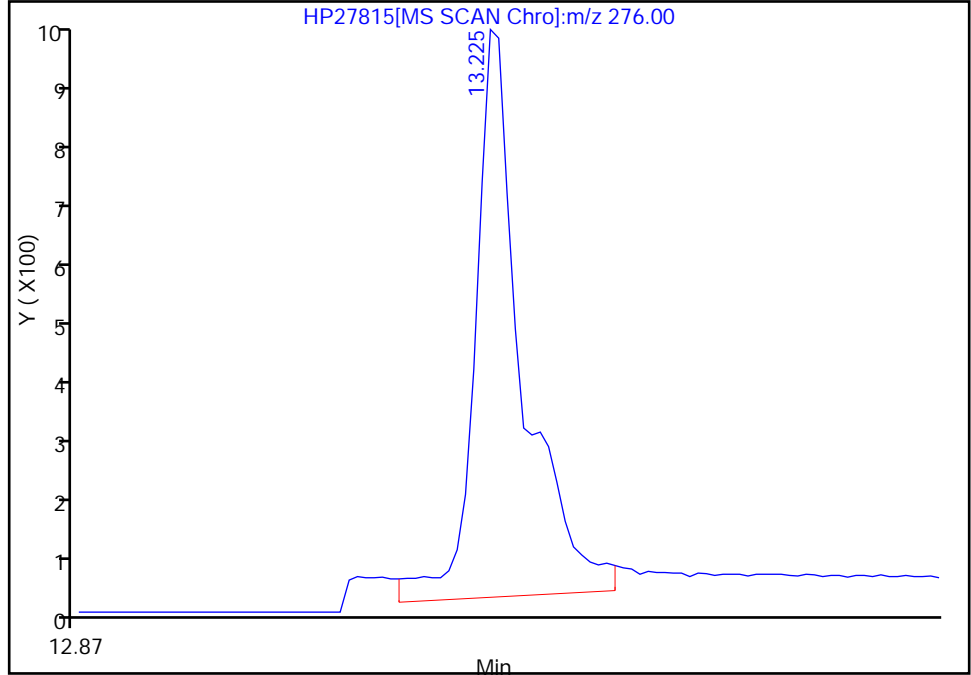
Operator ID: bat

Injection Vol: 1.00 ul

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

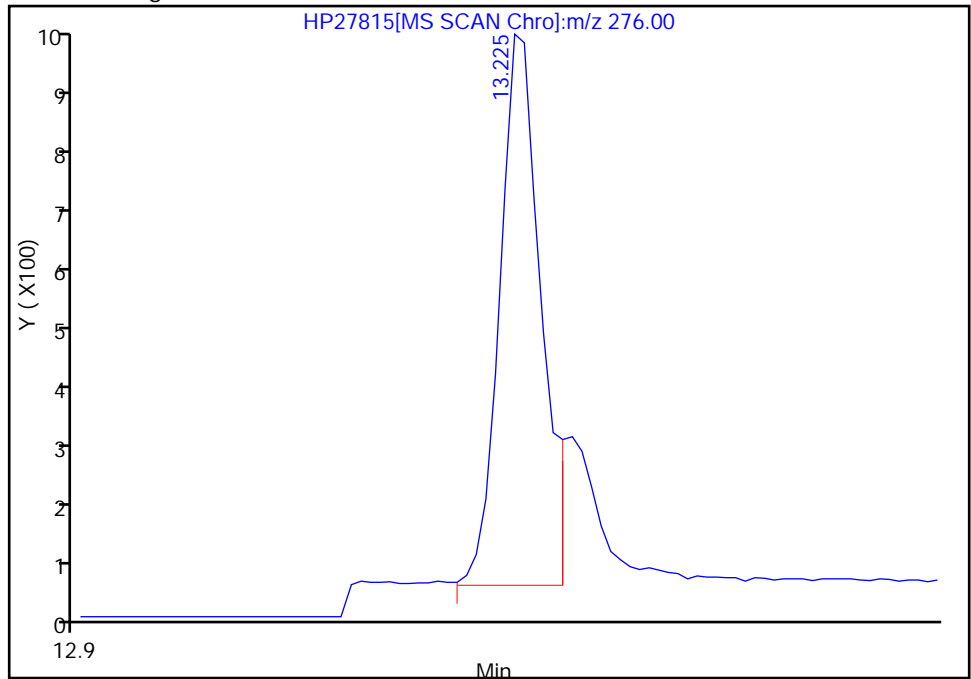
RT: 13.22
Response: 2742
Amount: 7.739588

Processing Integration Results



RT: 13.22
Response: 1970
Amount: 4.822989

Manual Integration Results



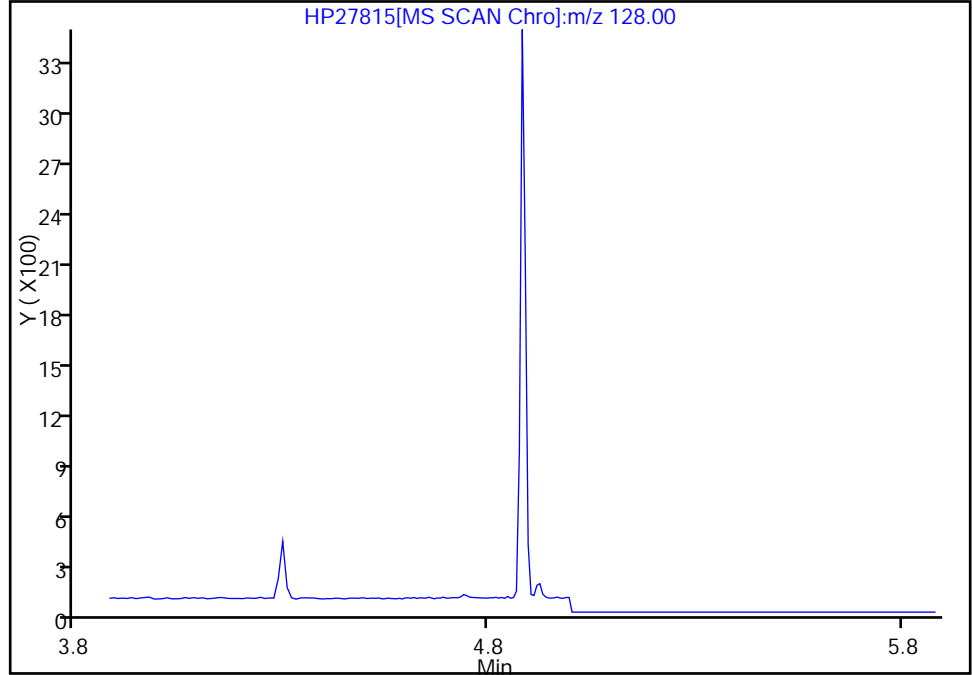
Reviewer: tadesseb, 26-Apr-2012 18:10:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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

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

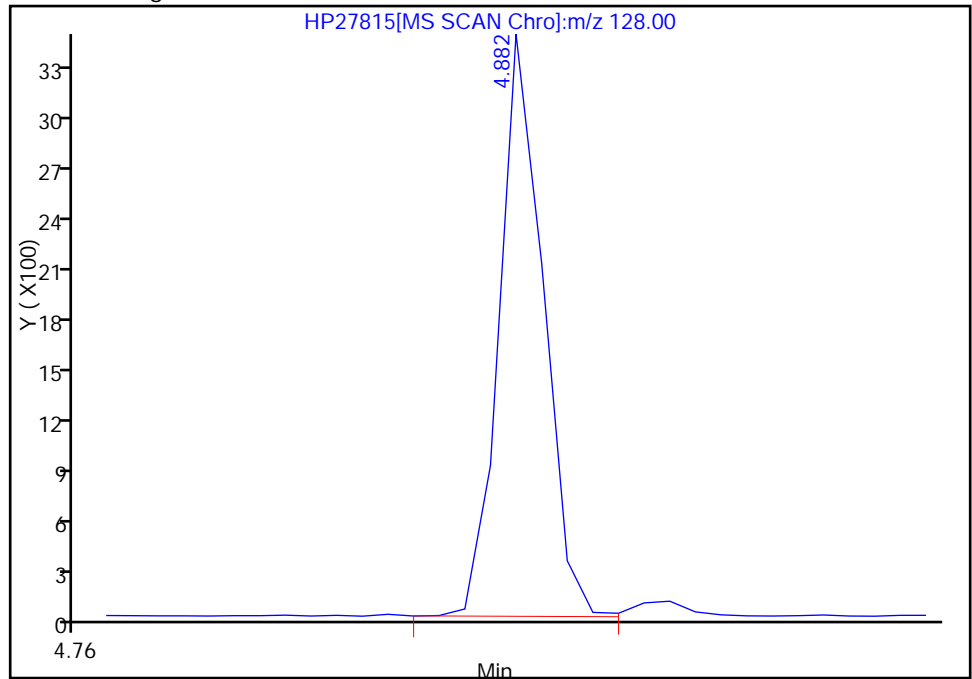
Not Detected
Expected RT: 4.88

Processing Integration Results



Manual Integration Results

RT: 4.88
Response: 2849
Amount: 4.970531



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

TestAmerica Laboratories
Target Compound Quantitation Report

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

First Level Reviewer: tadesseb

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

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

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 02-May-2012 12:10:54

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

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27816.D

Injection Date: 26-Apr-2012 16:28:30

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

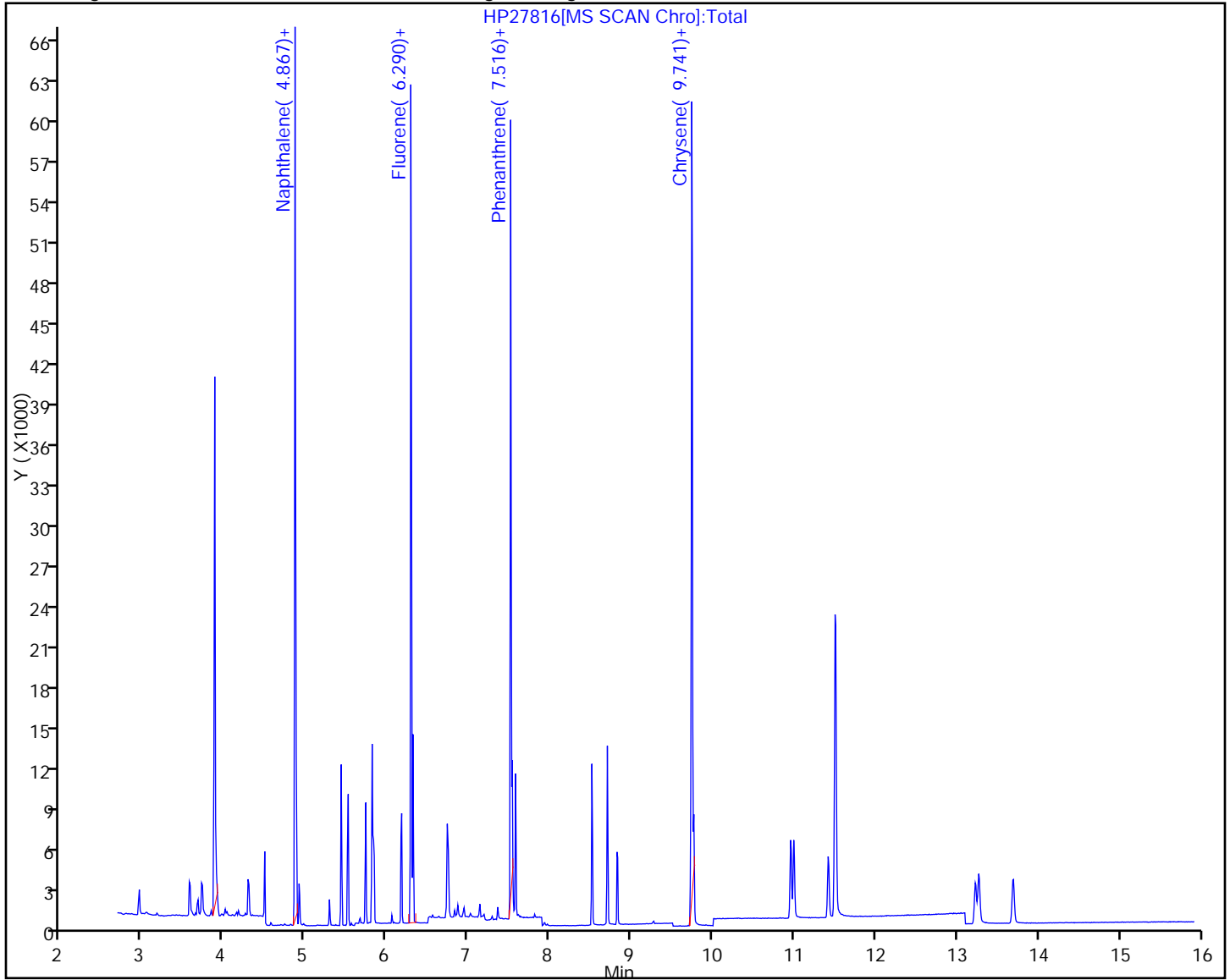
Lims Batch ID: 110125

Lims Sample ID: 4

Operator ID: bat

Injection Vol: 1.00 ul

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

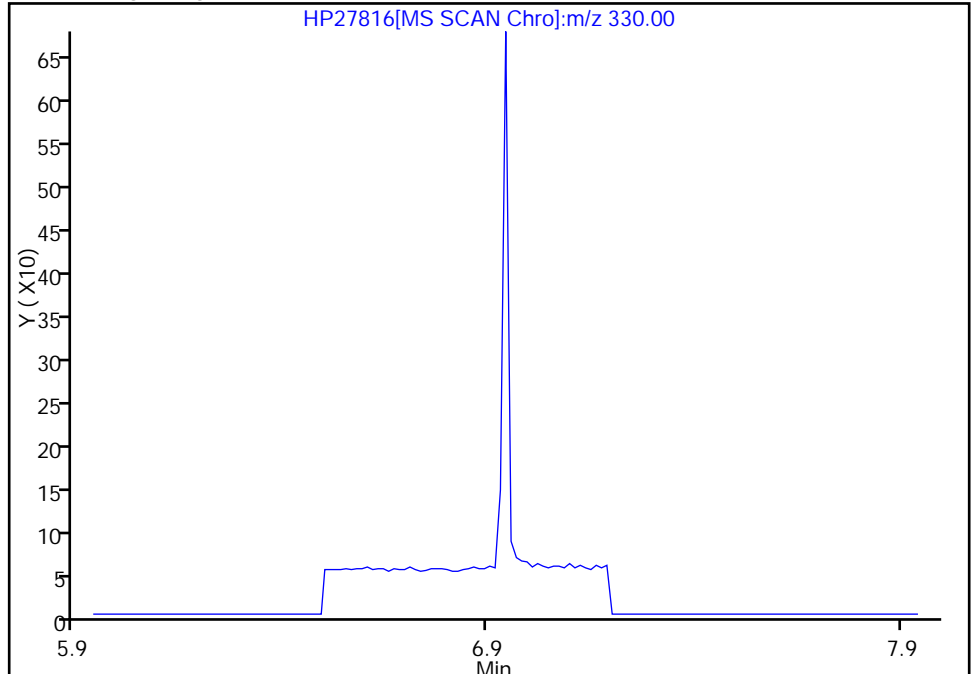


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27816.D
Injection Date: 26-Apr-2012 16:28:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 4
Operator ID: bat Injection Vol: 1.00 ul

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

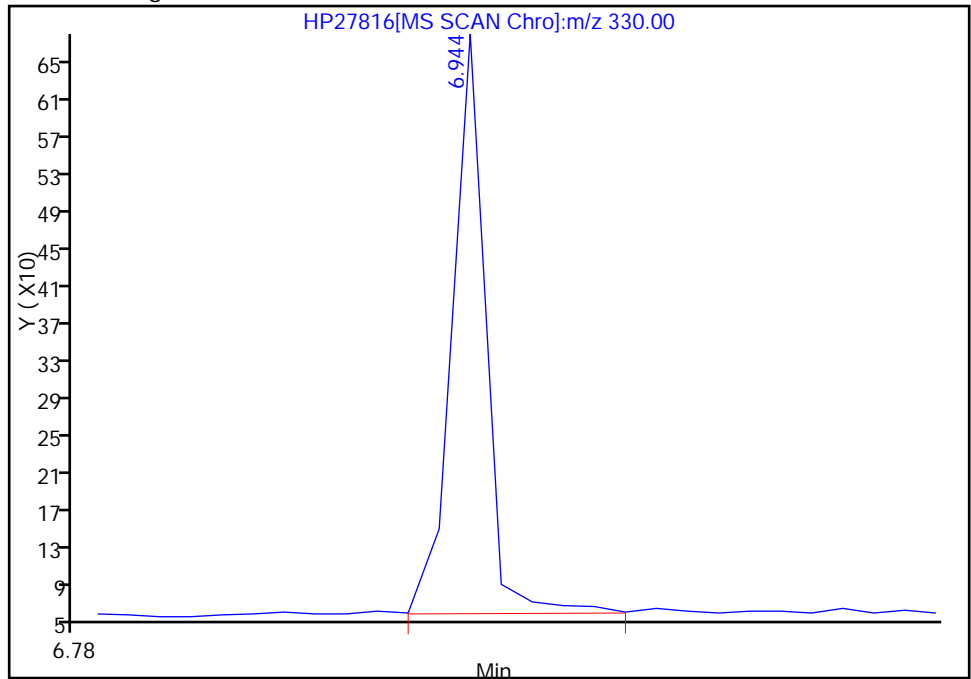
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 602
Amount: 11.114144

Manual Integration Results



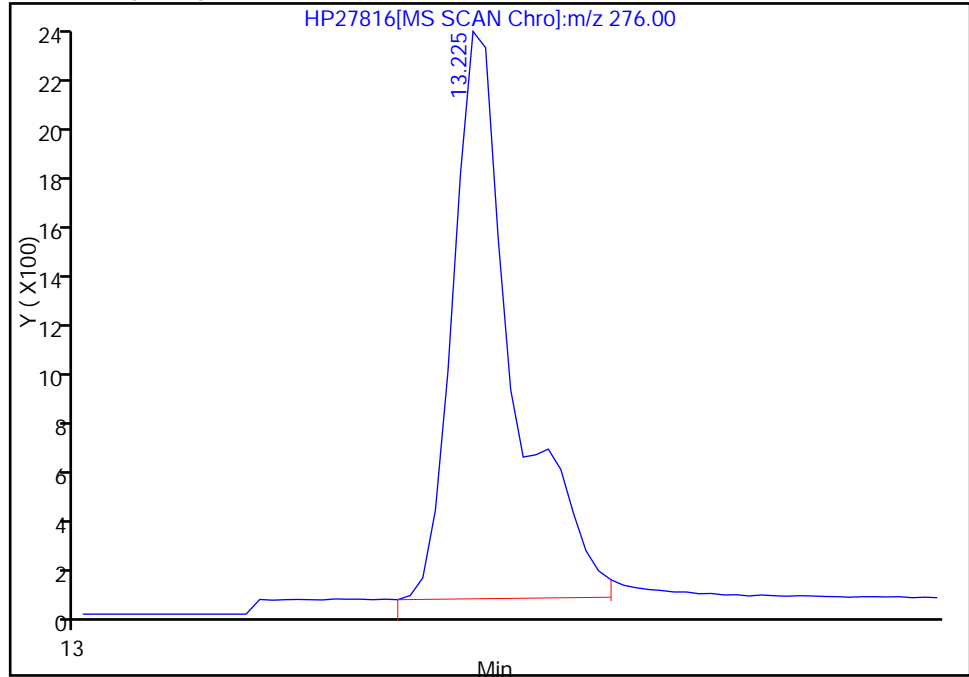
Reviewer: tadesseb, 26-Apr-2012 18:09:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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

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

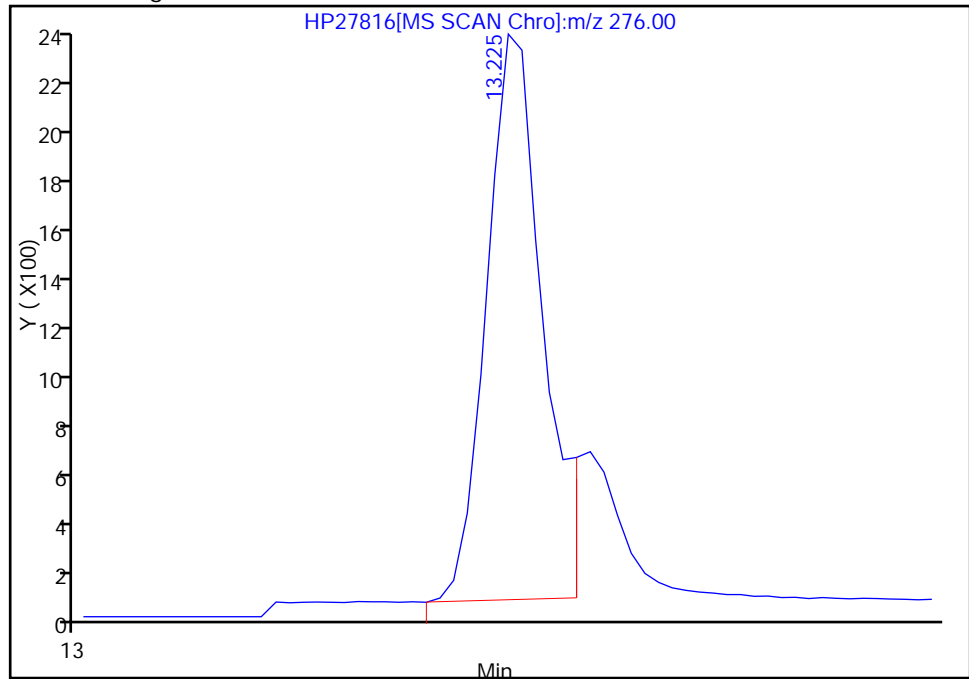
RT: 13.22
Response: 5447
Amount: 16.145845

Processing Integration Results



RT: 13.22
Response: 4536
Amount: 11.327664

Manual Integration Results



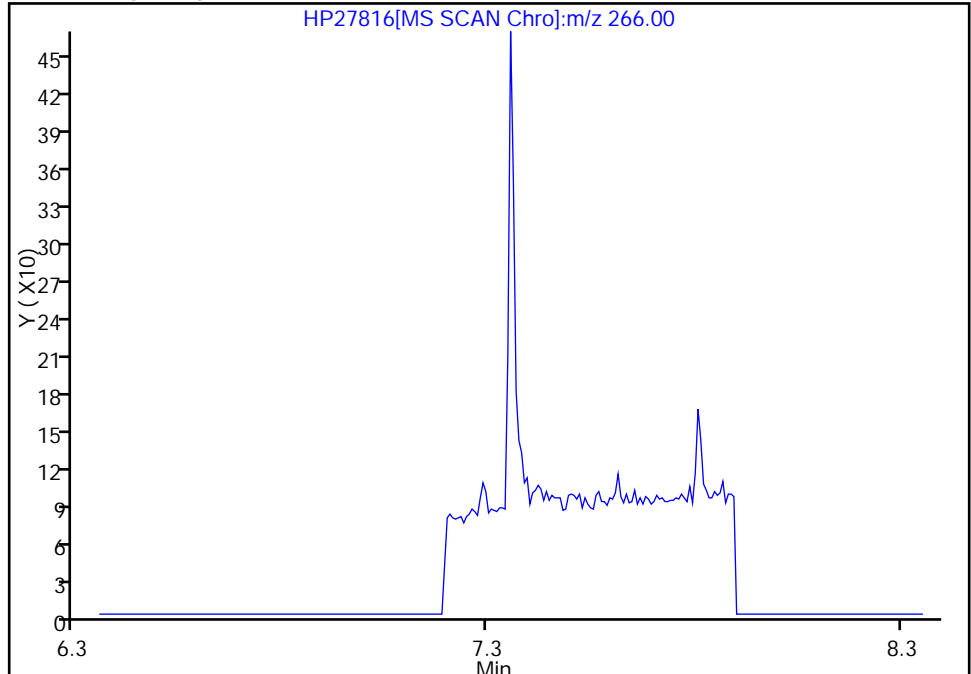
Reviewer: tadesseb, 26-Apr-2012 18:09:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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

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

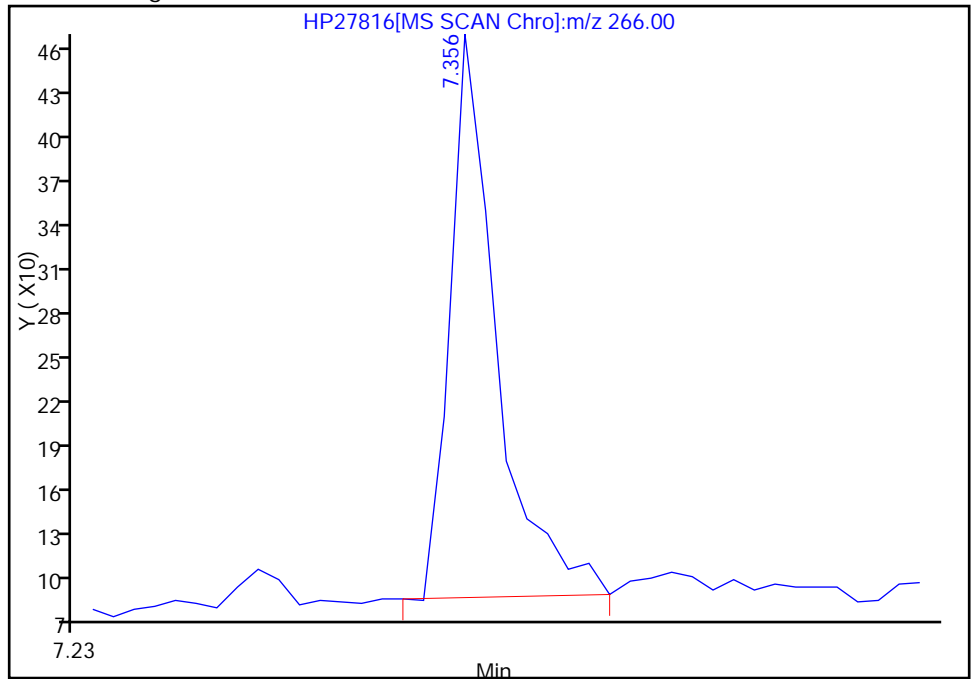
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.36
Response: 395
Amount: 14.153173



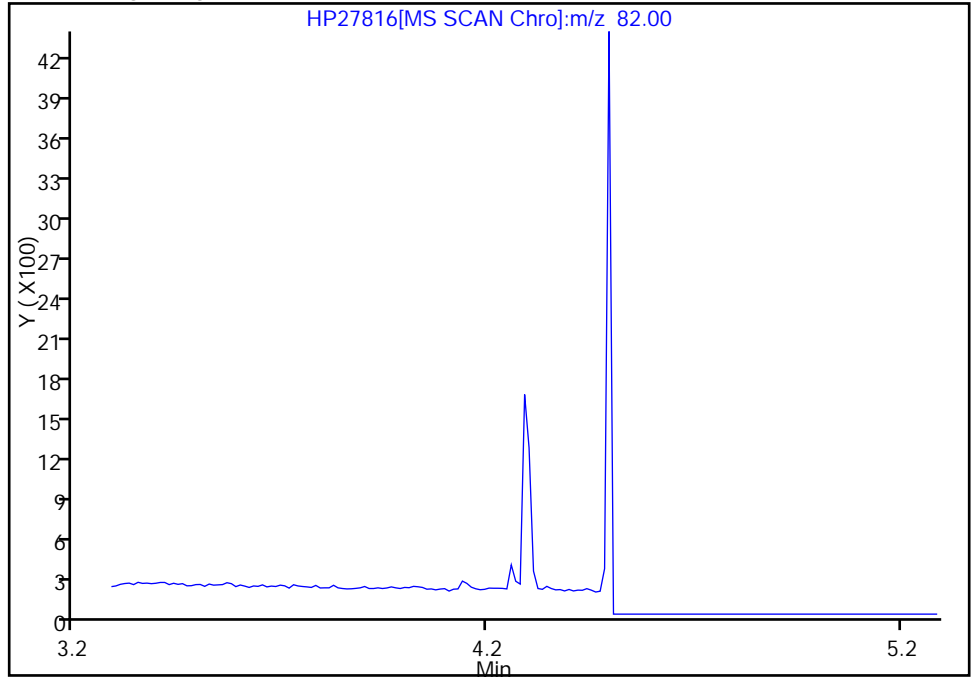
Reviewer: tadesseb, 02-May-2012 12:10:54
Audit Action: Manually Integrated
Audit Reason: Baseline

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

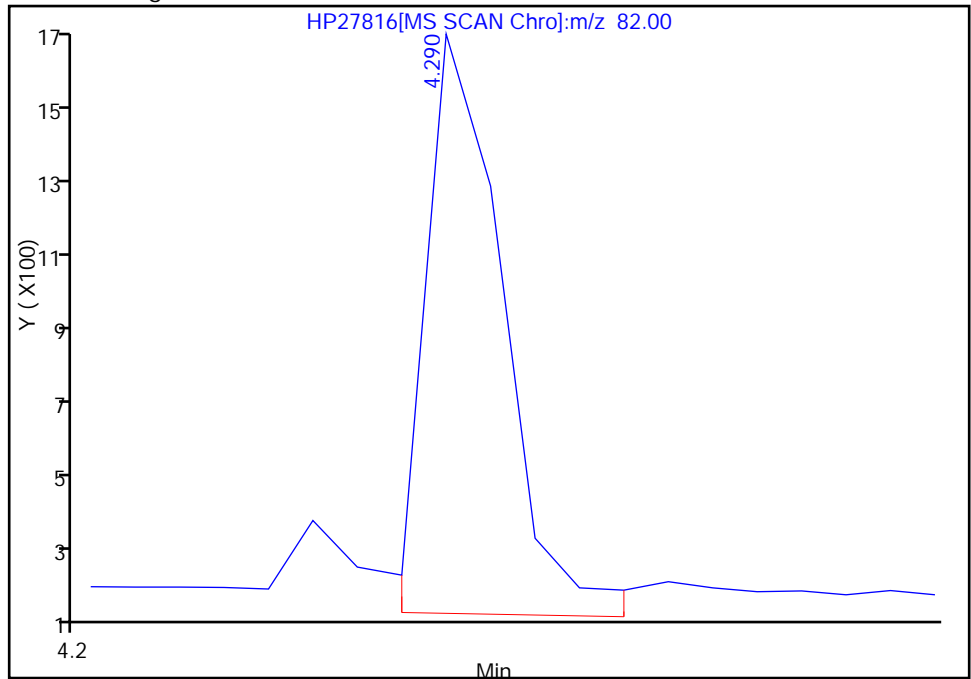
\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

Not Detected
Expected RT: 4.29

Processing Integration Results



Manual Integration Results



RT: 4.29
Response: 1921
Amount: 11.791683

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

TestAmerica Laboratories
Target Compound Quantitation Report

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

First Level Reviewer: tadesseb

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

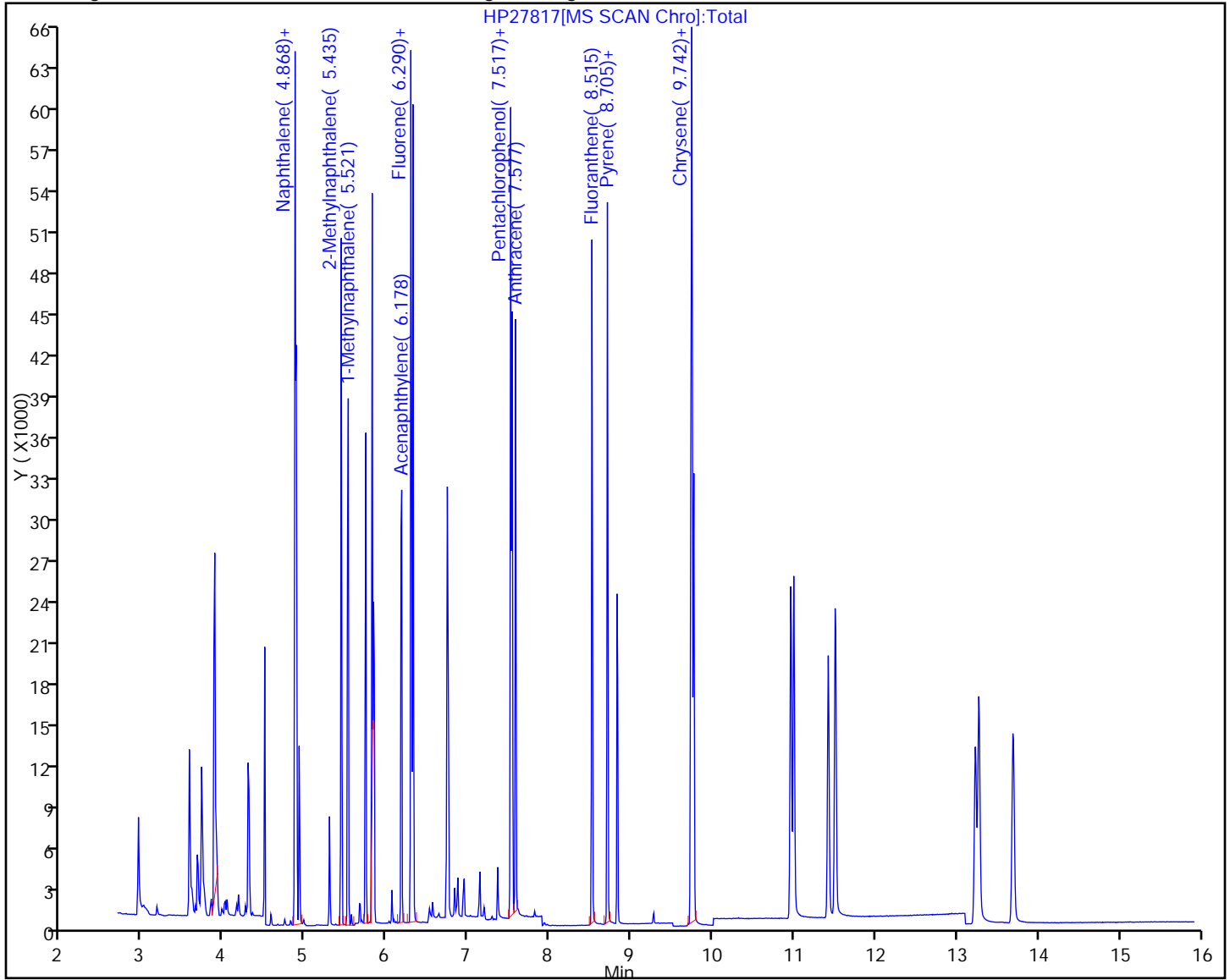
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.881	3.881	0.0	1	20457	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	49358	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27328	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	41637	98.0	
* 5 Chrysene-d12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

QC Flag Legend

Review Flags

M - Manually Integrated

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

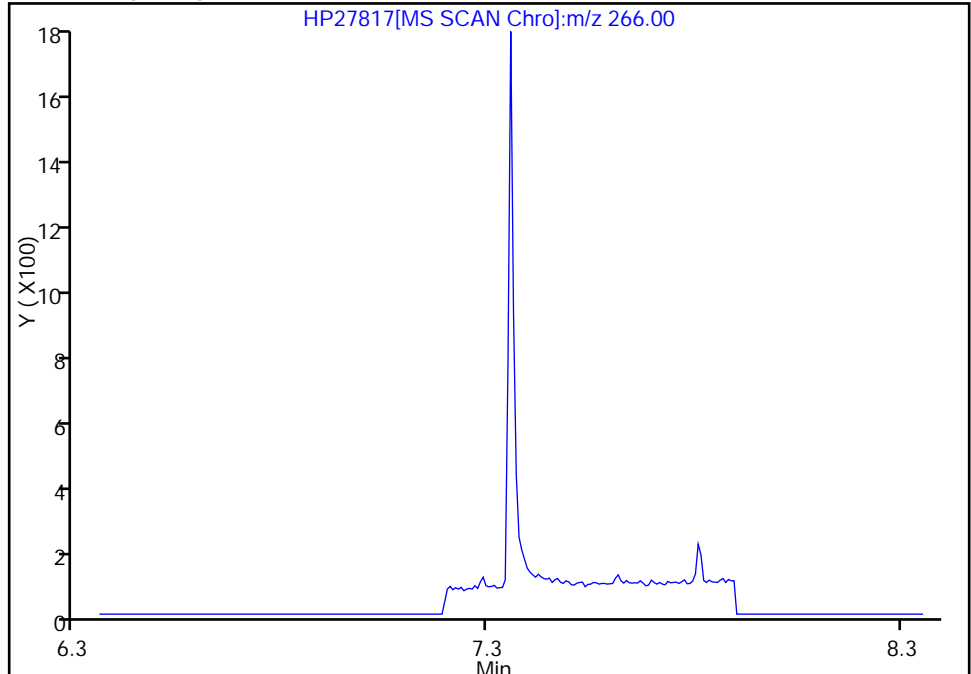


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27817.D
Injection Date: 26-Apr-2012 16:50:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 5
Operator ID: bat Injection Vol: 1.00 ul

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

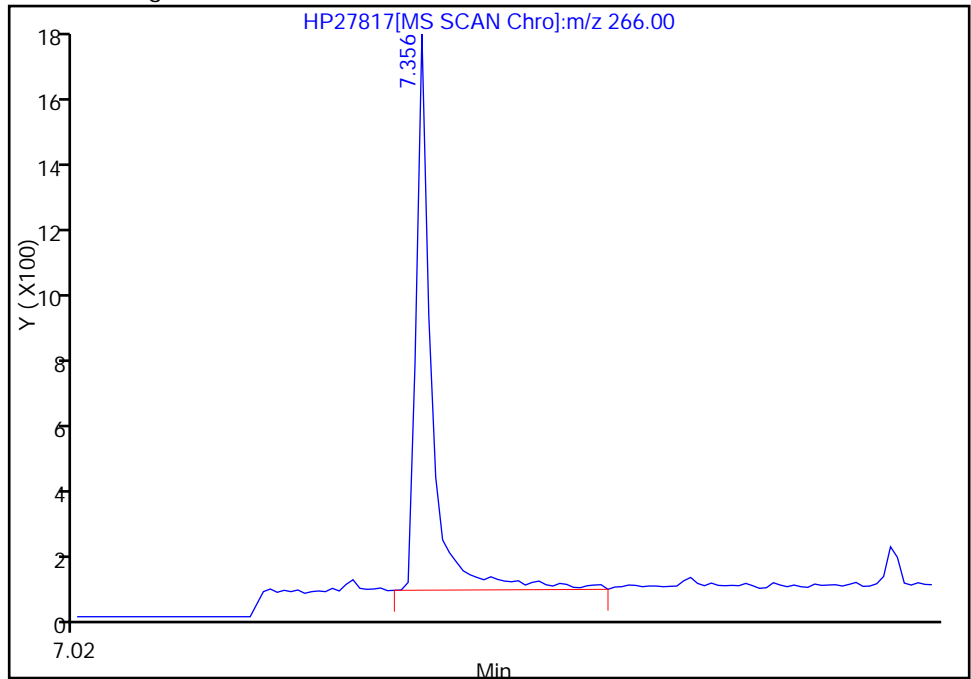
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.36
Response: 1770
Amount: 40.886105



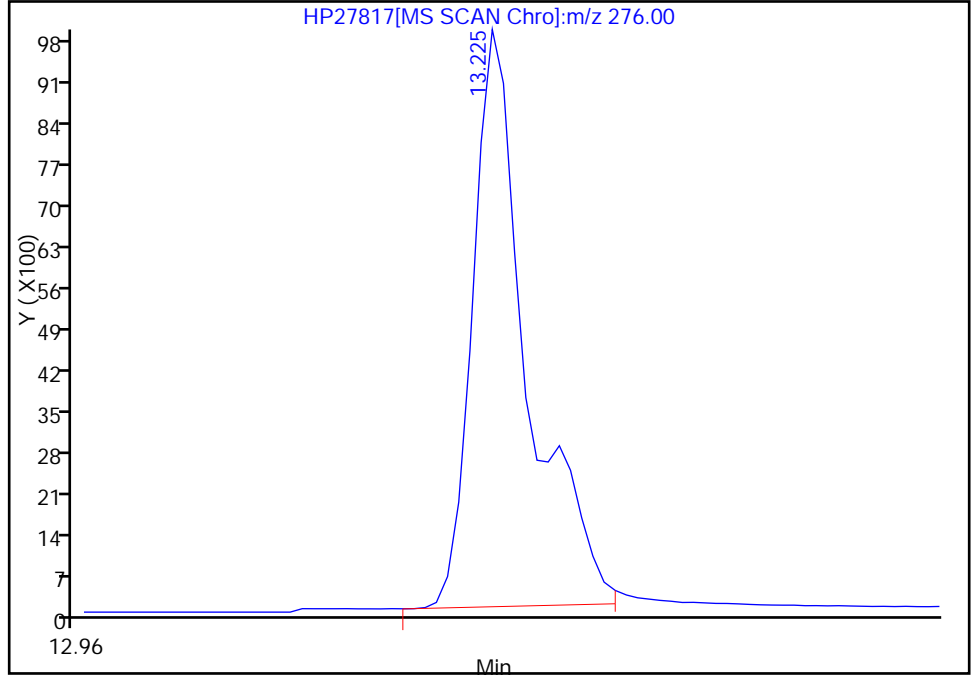
Reviewer: tadesseb, 02-May-2012 12:11:27
Audit Action: Manually Integrated
Audit Reason: Baseline

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

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

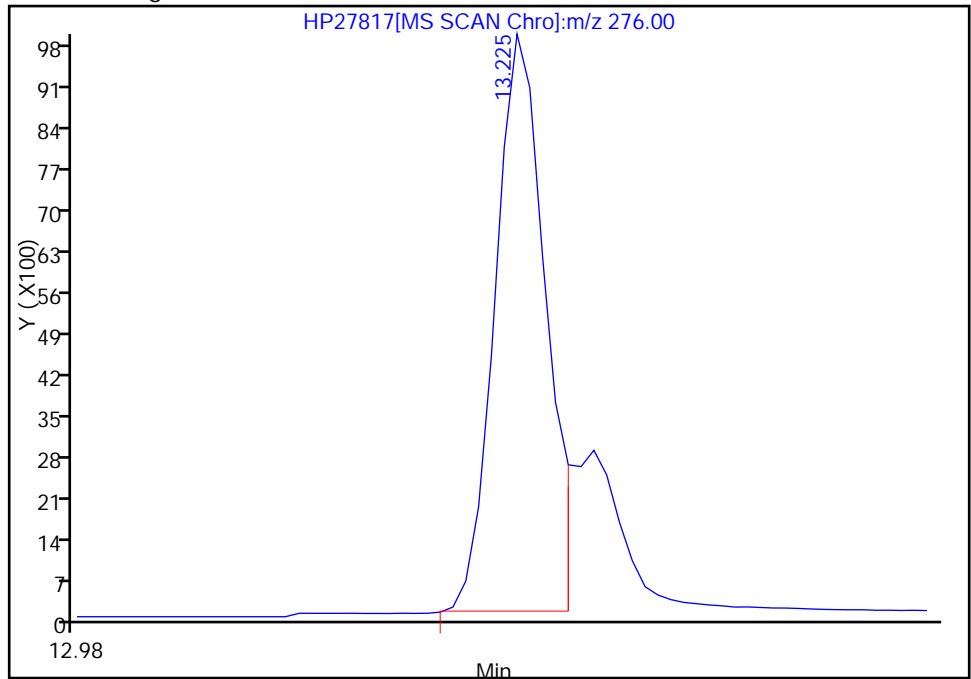
RT: 13.22
Response: 23805
Amount: 67.446781

Processing Integration Results



RT: 13.22
Response: 18865
Amount: 46.664064

Manual Integration Results



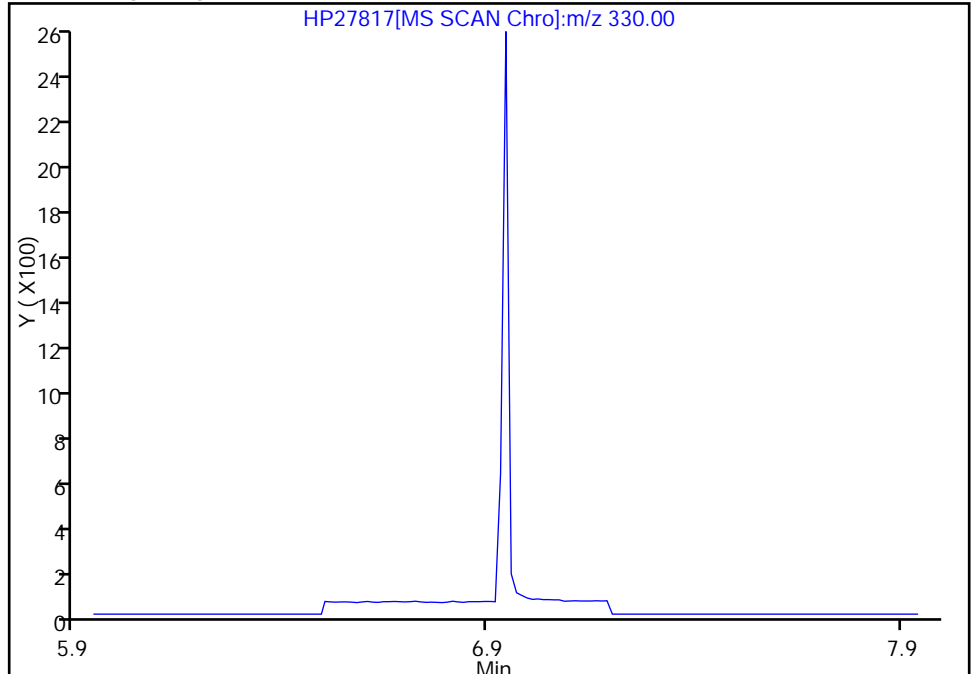
Reviewer: tadesseb, 26-Apr-2012 18:08:33
Audit Action: Manually Integrated
Audit Reason: Baseline

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

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

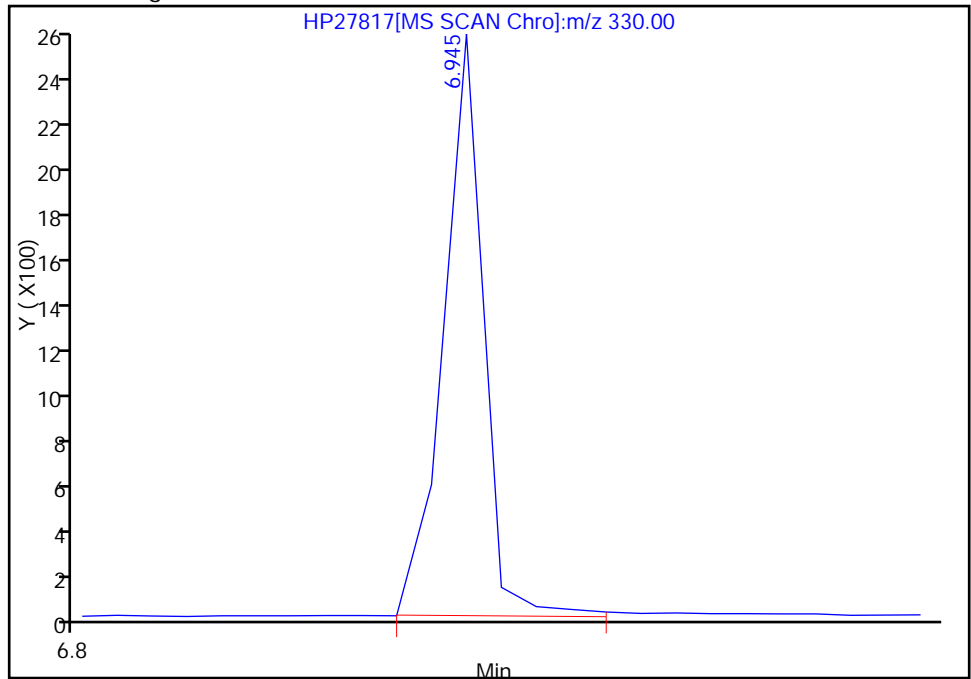
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 2502
Amount: 42.257750

Manual Integration Results



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

TestAmerica Laboratories
Target Compound Quantitation Report

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

First Level Reviewer: tadesseb

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

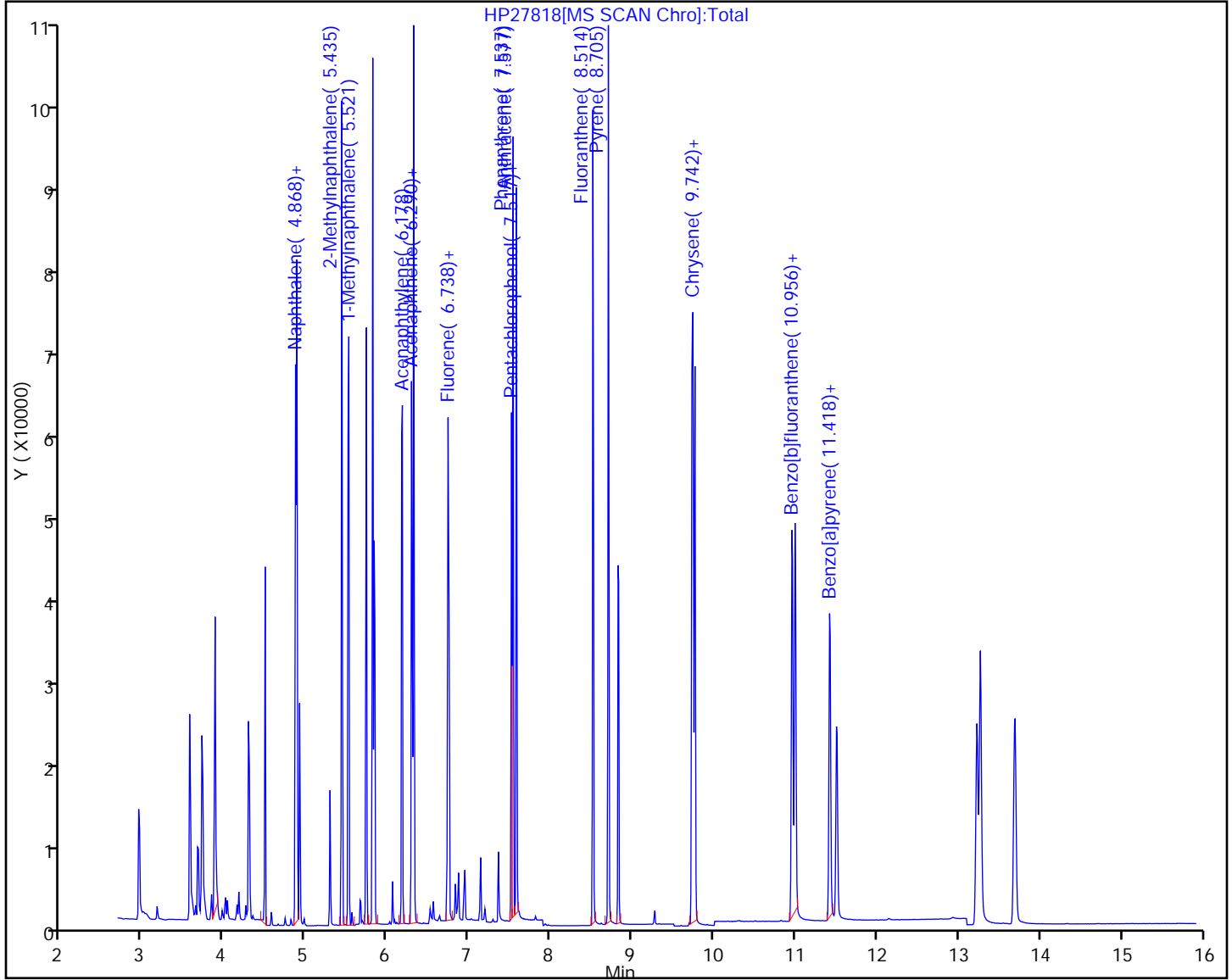
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.881	3.881	0.0	1	21949	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	50922	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	28309	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	43238	98.0	
* 5 Chrysene-d12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

QC Flag Legend

Review Flags

M - Manually Integrated

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

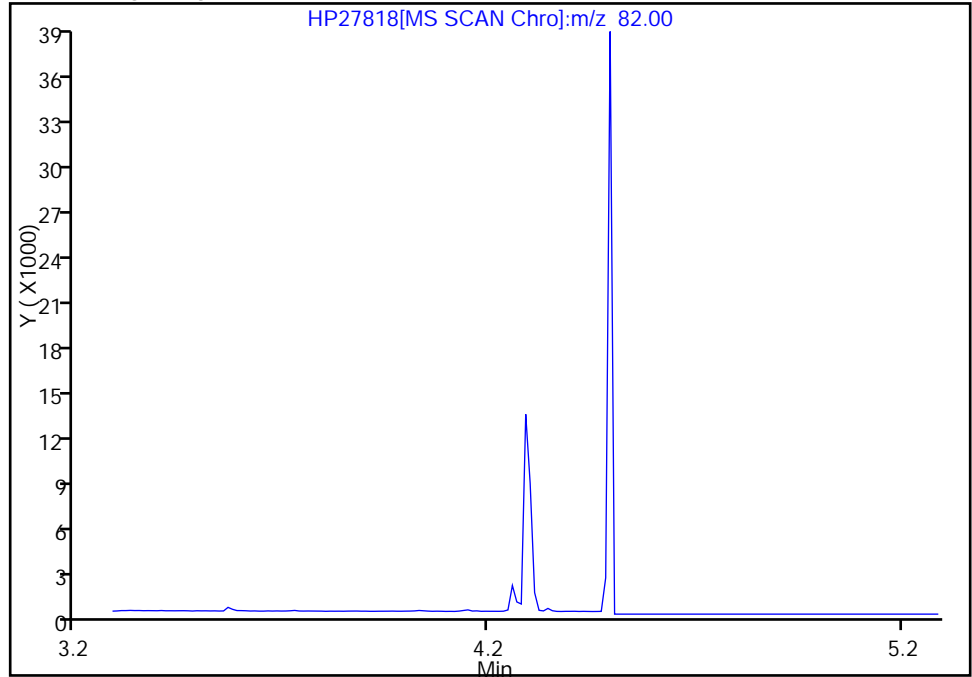


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27818.D
Injection Date: 26-Apr-2012 17:11:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 6
Operator ID: bat Injection Vol: 1.00 ul

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

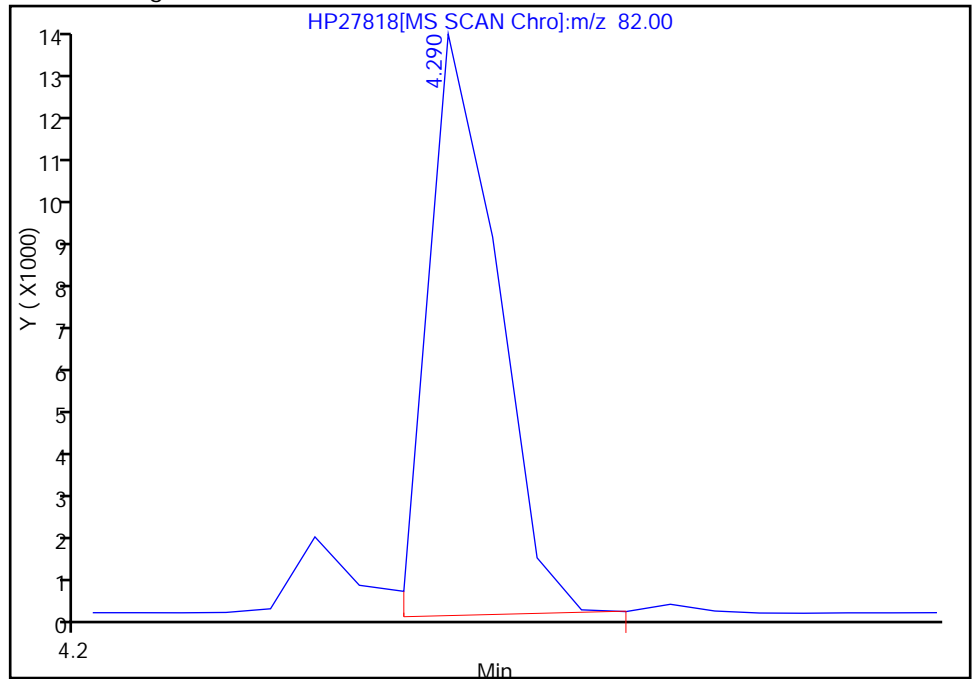
Not Detected
Expected RT: 4.29

Processing Integration Results



RT: 4.29
Response: 14915
Amount: 88.940460

Manual Integration Results



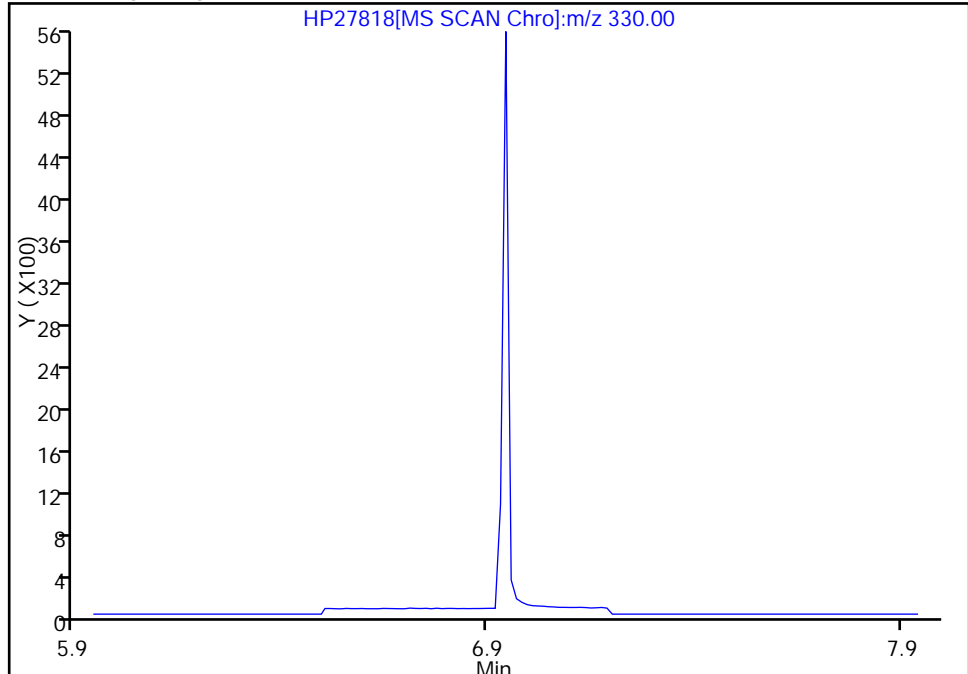
Reviewer: tadesseb, 26-Apr-2012 18:07:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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

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

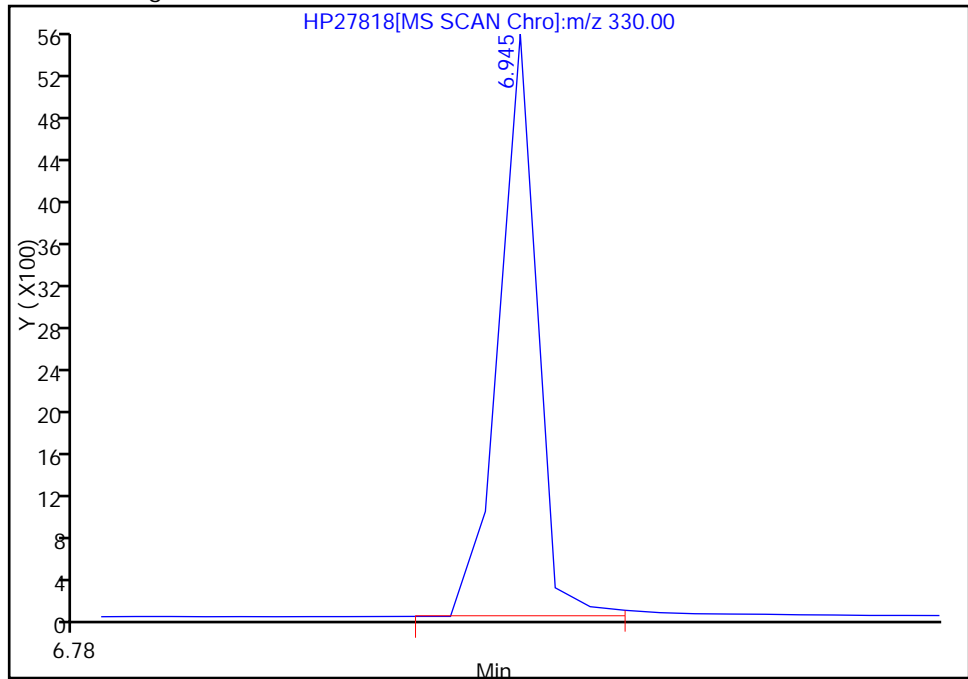
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 5252
Amount: 84.011604

Manual Integration Results



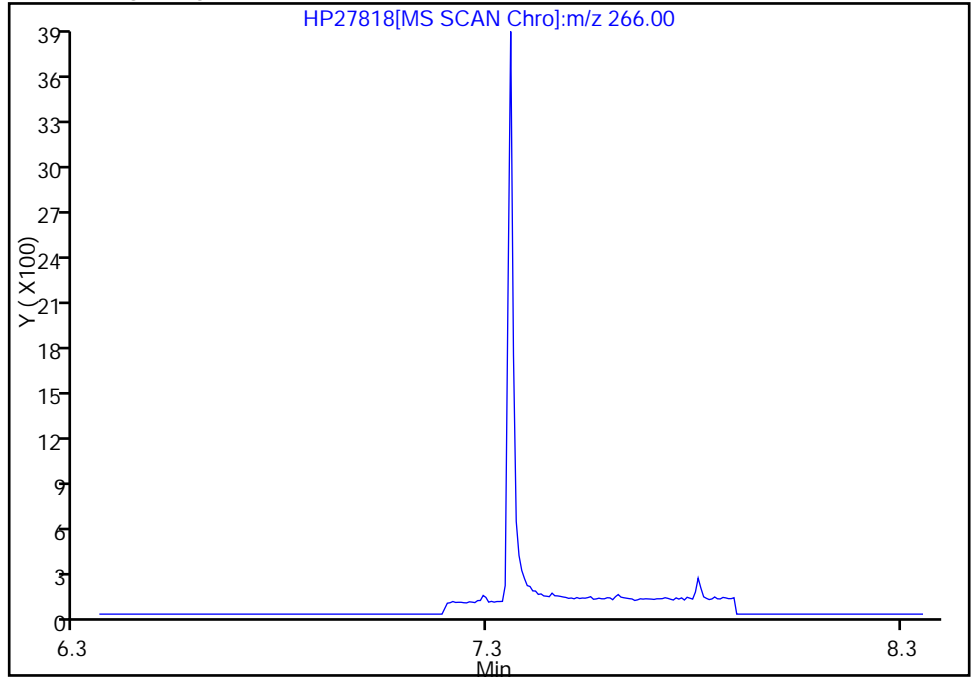
Reviewer: tadesseb, 26-Apr-2012 18:07:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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

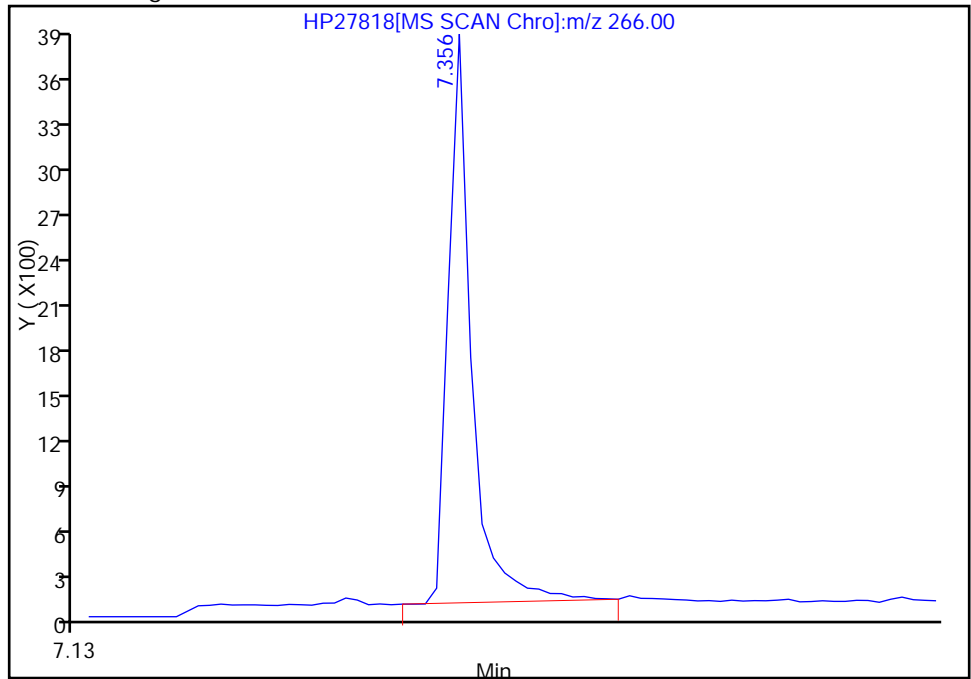
52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results



RT: 7.36
Response: 3570
Amount: 71.822668

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

TestAmerica Laboratories
Target Compound Quantitation Report

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

First Level Reviewer: tadesseb

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

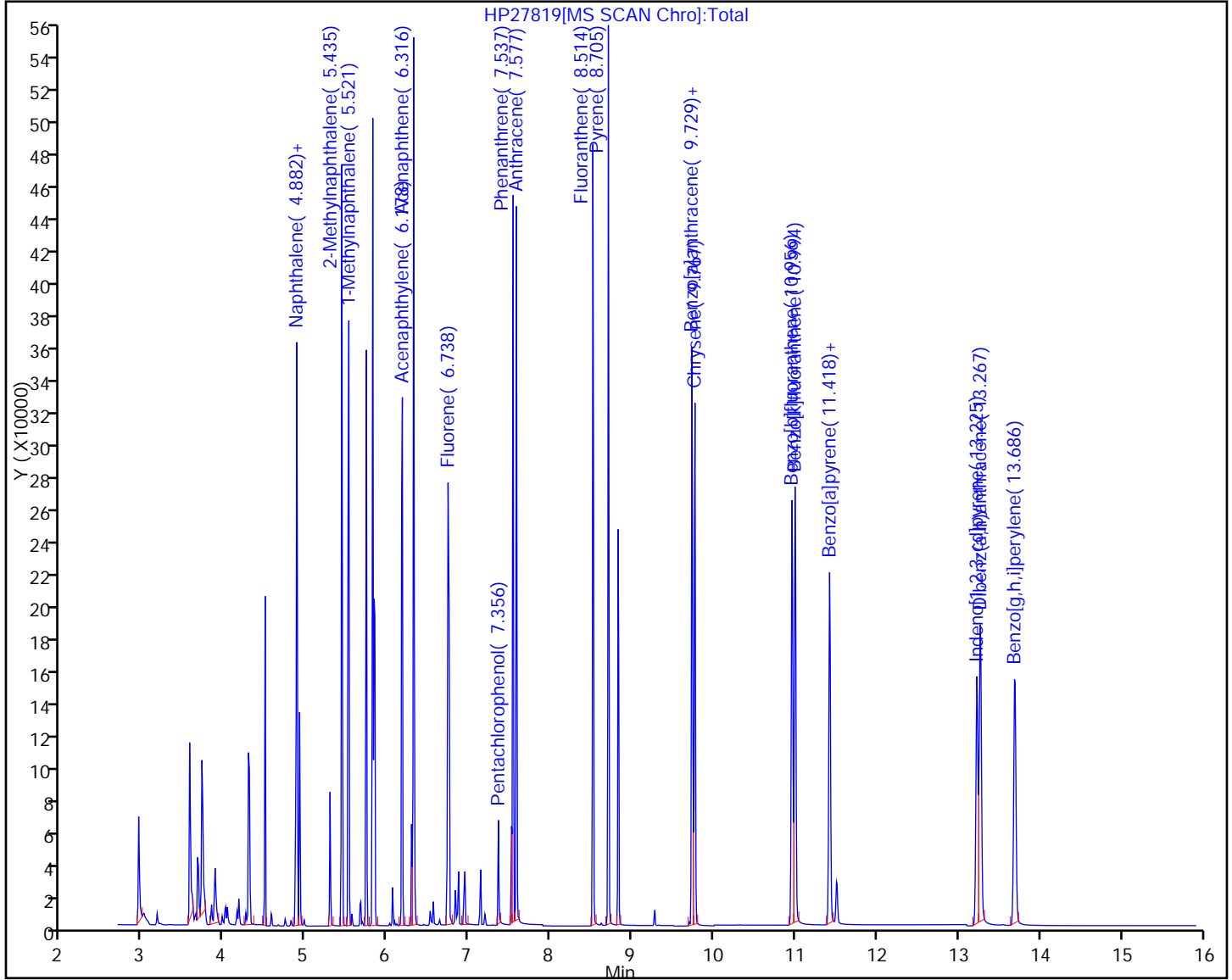
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.881	3.881	0.0	1	30839	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	49046	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27682	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	42366	98.0	
* 5 Chrysene-d12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

QC Flag Legend

Review Flags

M - Manually Integrated

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

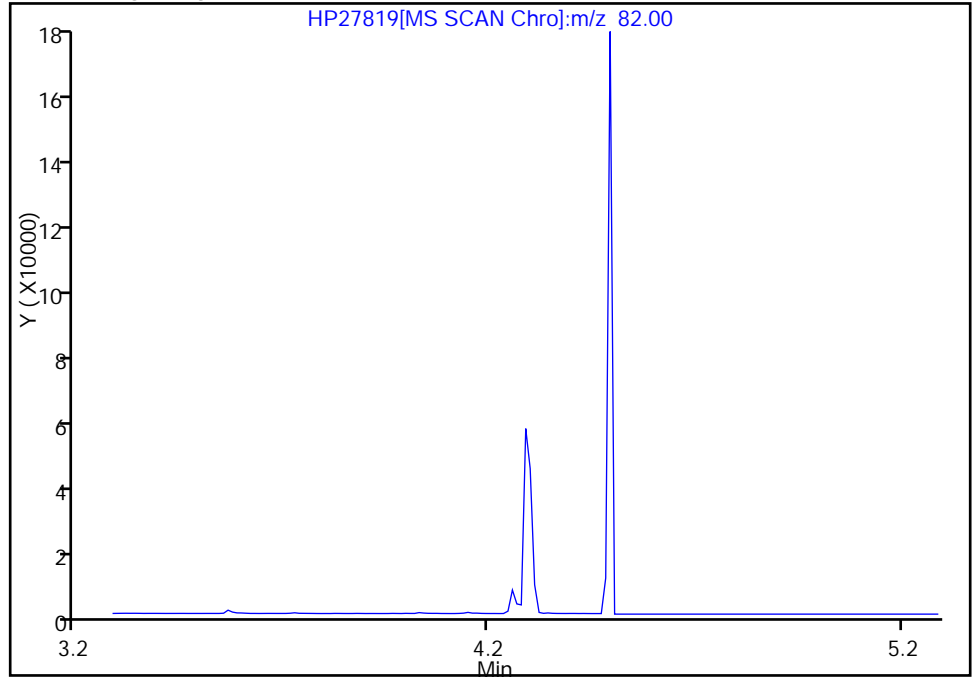


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

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

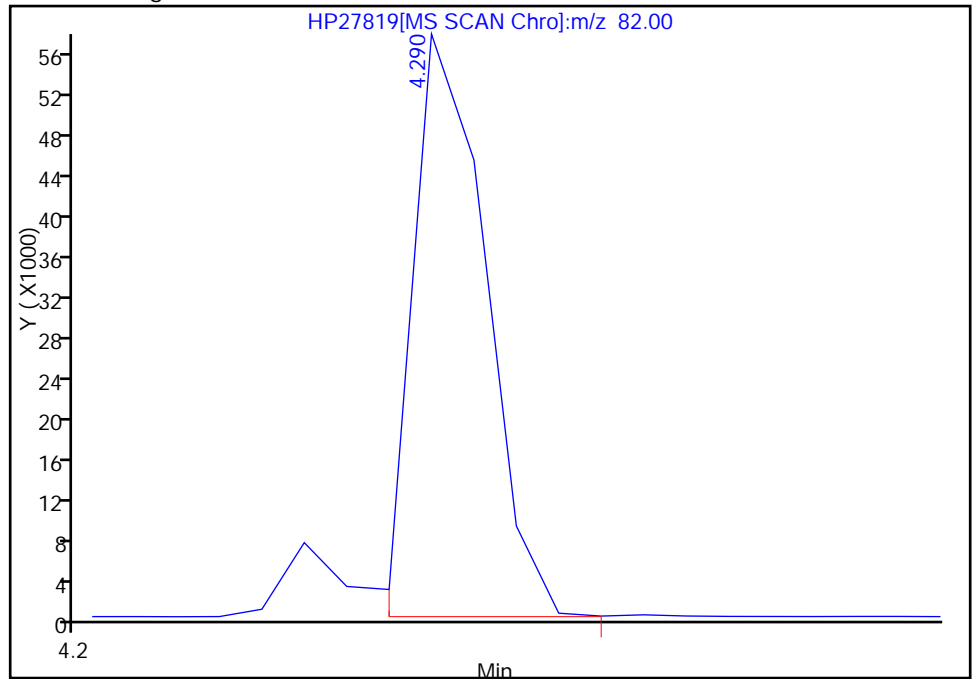
Not Detected
Expected RT: 4.29

Processing Integration Results



RT: 4.29
Response: 72453
Amount: 448.5743

Manual Integration Results



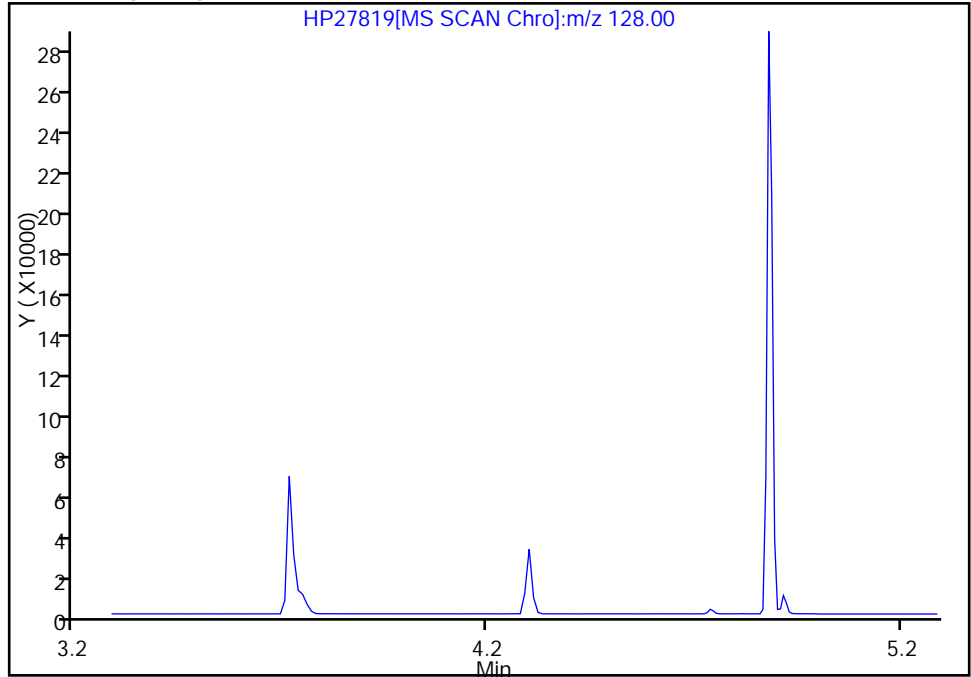
Reviewer: tadesseb, 26-Apr-2012 18:06:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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

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

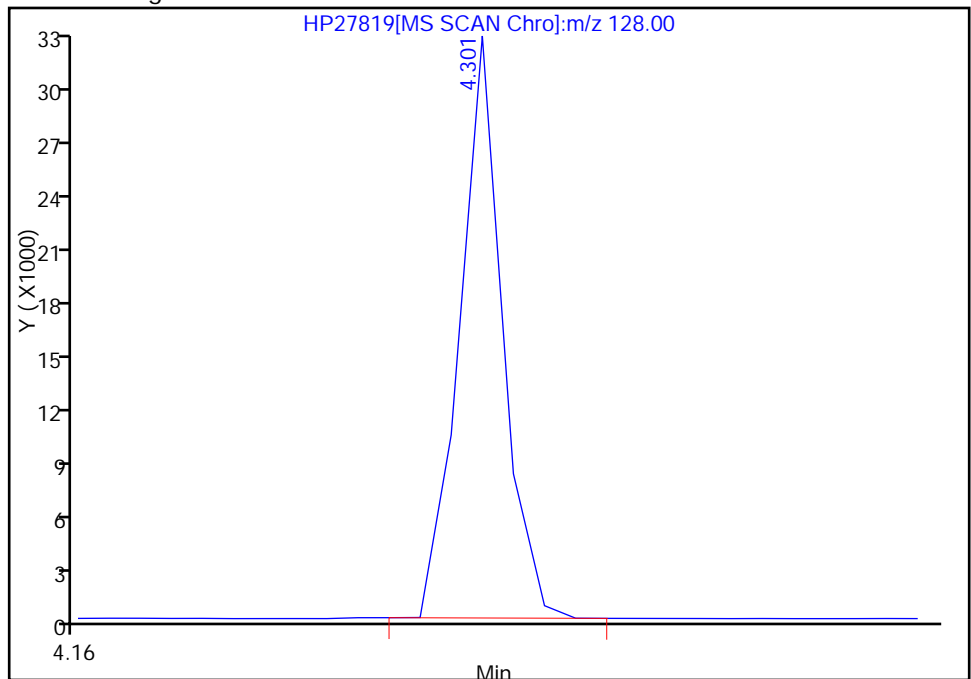
Processing Integration Results

Not Detected
Expected RT: 4.29



Manual Integration Results

RT: 4.30
Response: 32919
Amount: 0



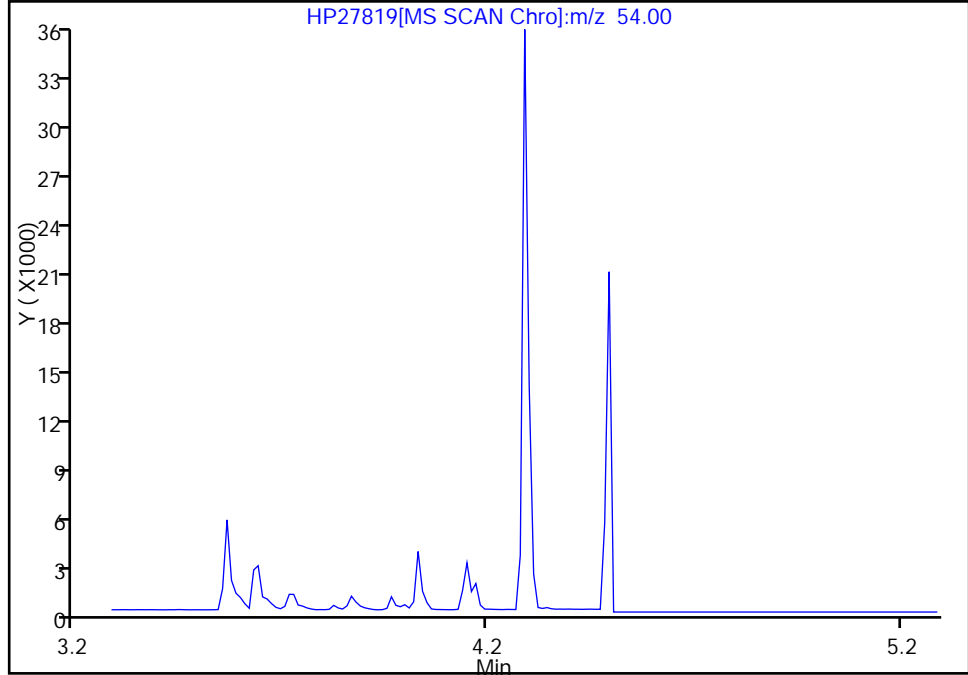
Reviewer: tadesseb, 27-Apr-2012 14:56:32
Audit Action: Manually Integrated
Audit Reason: Baseline

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

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

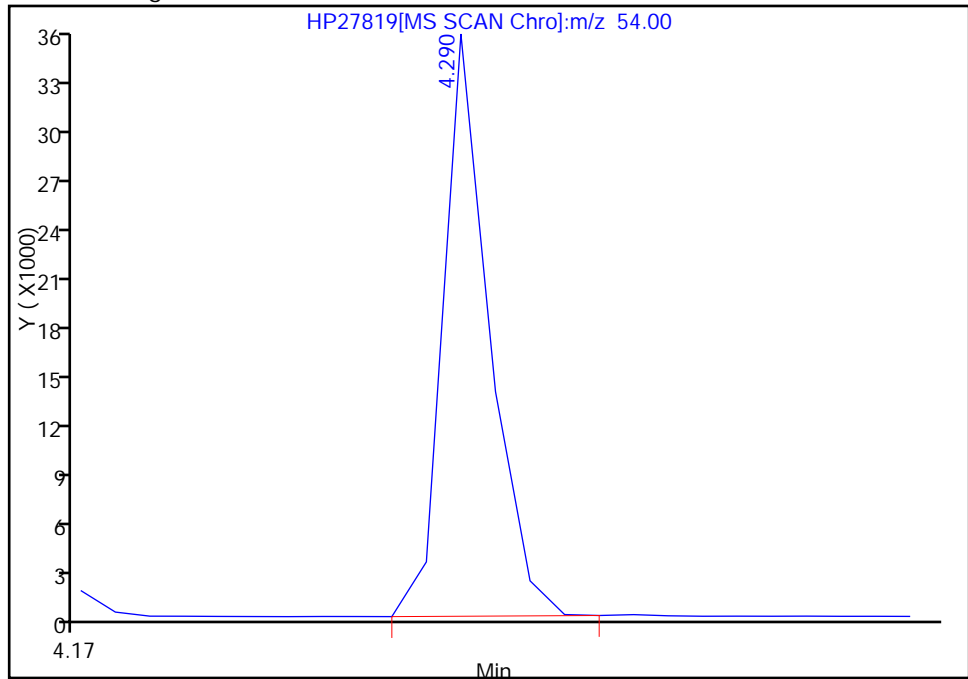
Not Detected
Expected RT: 4.29

Processing Integration Results



RT: 4.29
Response: 35214
Amount: 0

Manual Integration Results



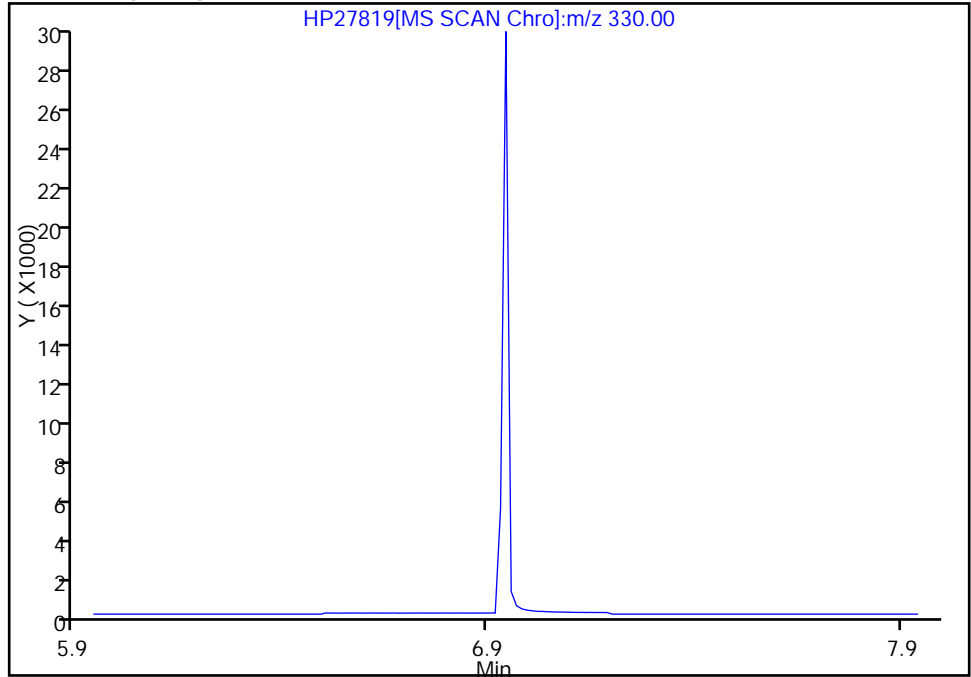
Reviewer: tadesseb, 27-Apr-2012 14:56:32
Audit Action: Manually Integrated
Audit Reason: Baseline

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

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

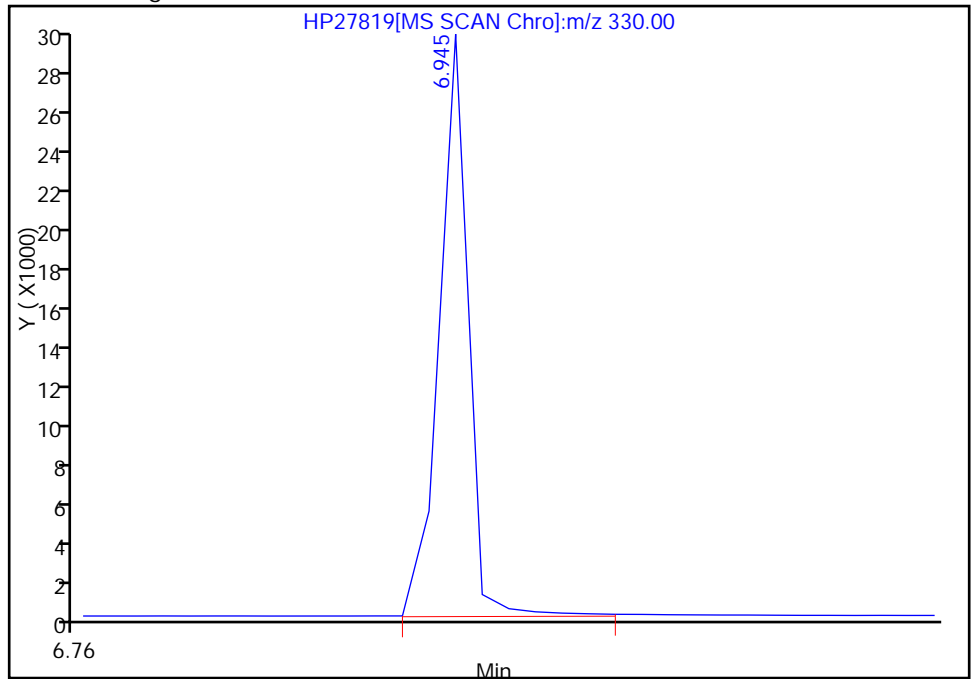
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 28539
Amount: 449.7762

Manual Integration Results



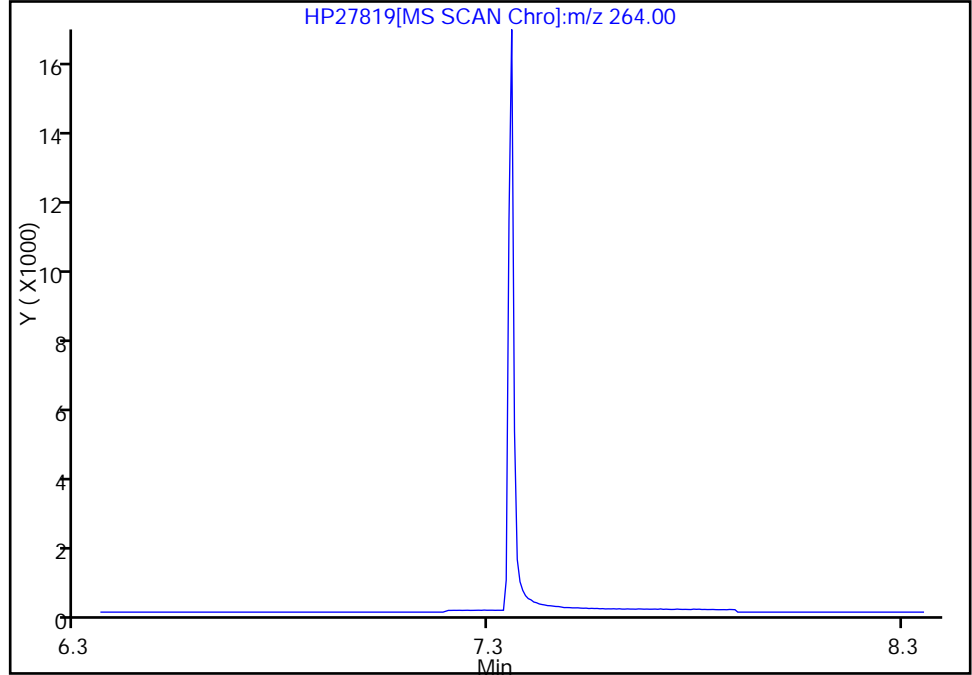
Reviewer: tadesseb, 26-Apr-2012 18:06:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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

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

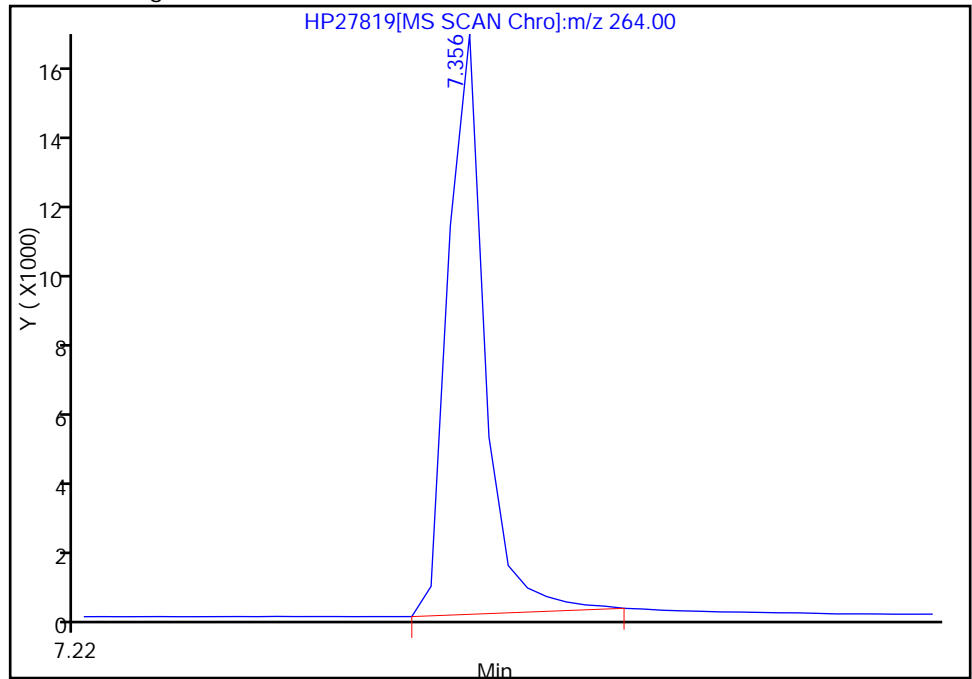
Not Detected
Expected RT: 7.36

Processing Integration Results



RT: 7.36
Response: 14751
Amount: 0

Manual Integration Results



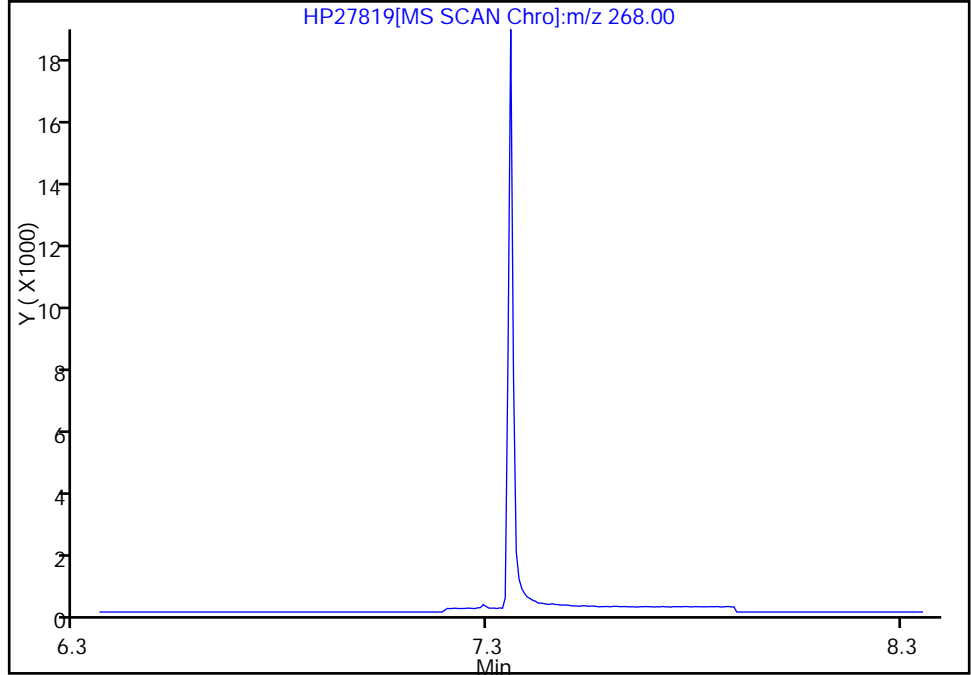
Reviewer: tadesseb, 27-Apr-2012 14:56:32
Audit Action: Manually Integrated
Audit Reason: Baseline

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

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

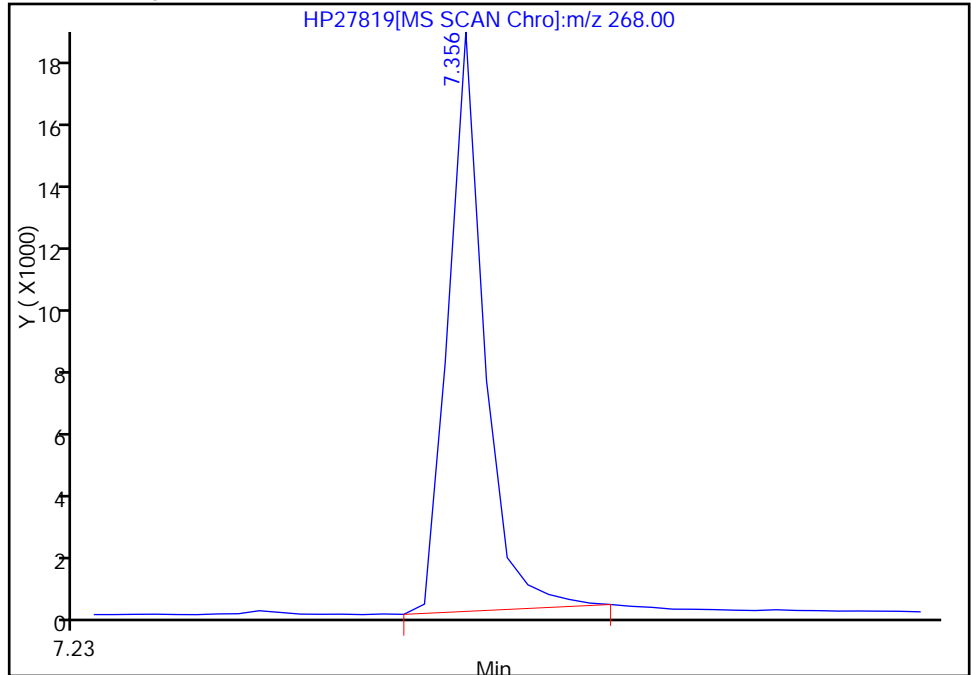
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.36
Response: 15042
Amount: 0



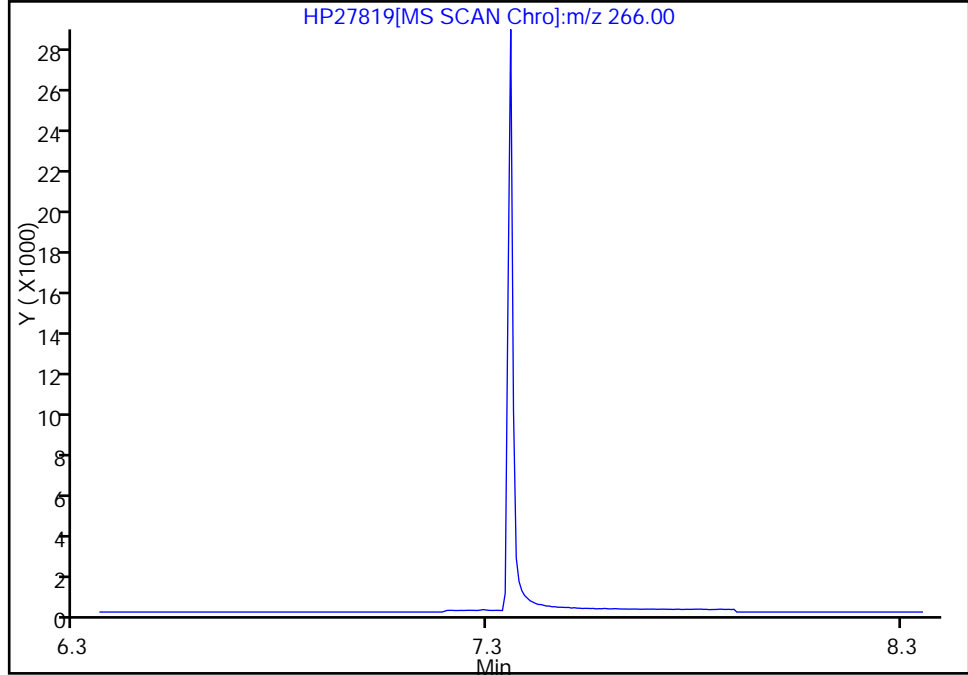
Reviewer: tadesseb, 27-Apr-2012 14:56:32
Audit Action: Manually Integrated
Audit Reason: Baseline

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

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

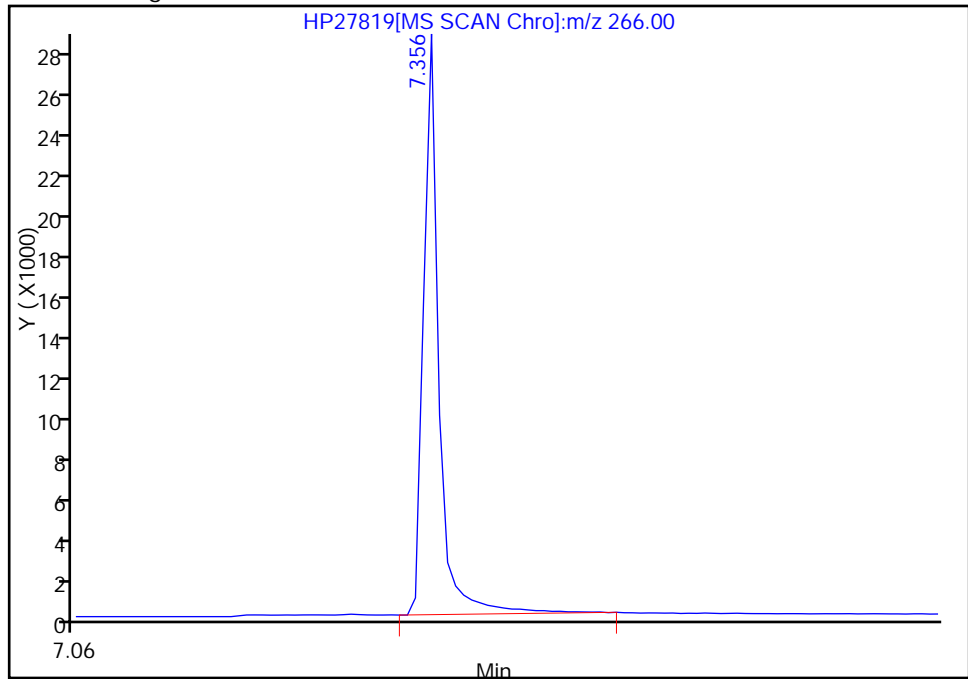
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.36
Response: 25147
Amount: 459.1316



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

TestAmerica Laboratories
Target Compound Quantitation Report

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

First Level Reviewer: tadesseb

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

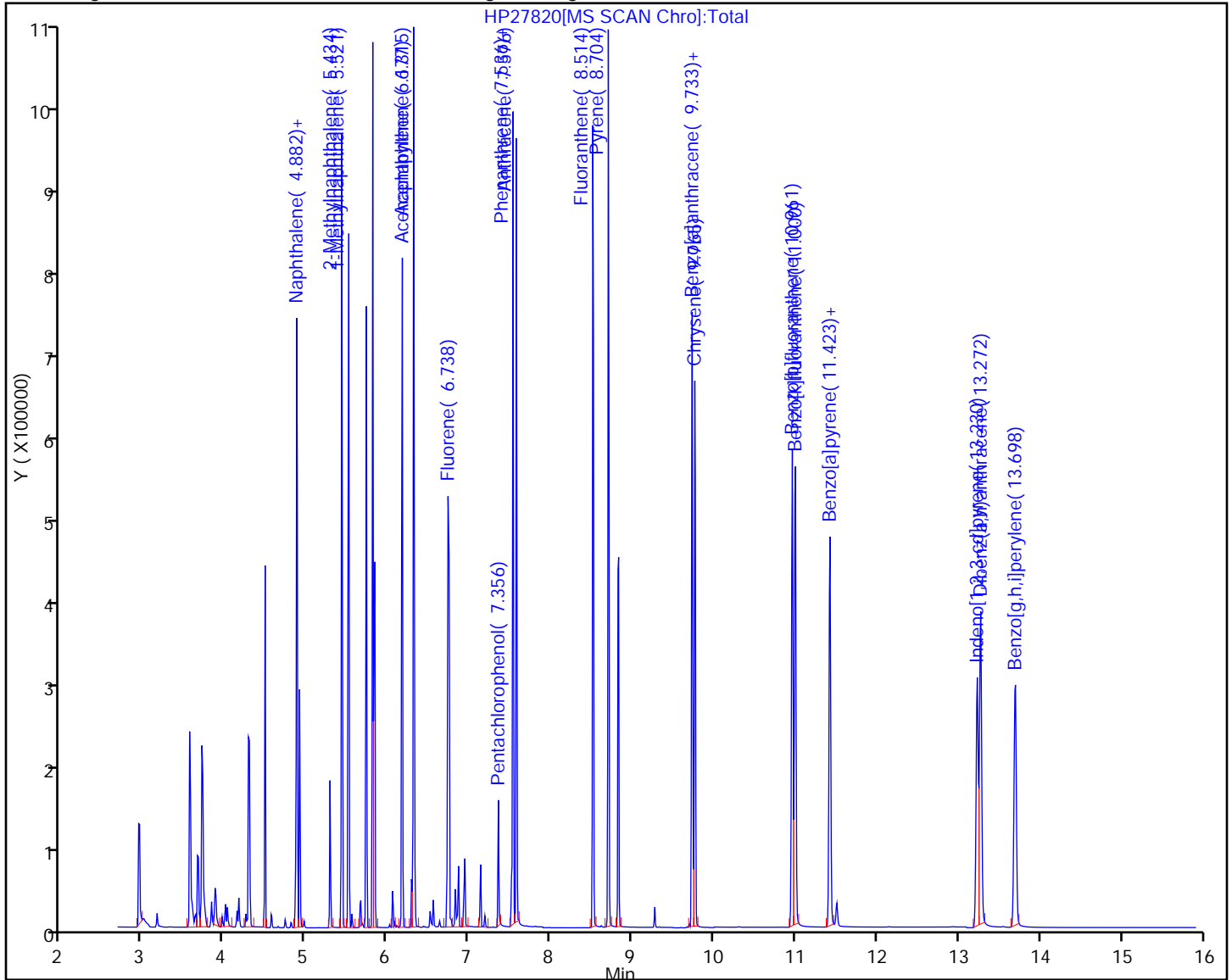
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.891	3.881	0.010	1	42417	95.6	
* 2 Naphthalene-d8	136	4.867	4.868	-0.001	1	48871	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27787	98.0	
* 4 Phenanthrene-d10	188	7.516	7.517	-0.001	1	41961	98.0	
* 5 Chrysene-d12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

QC Flag Legend

Review Flags

M - Manually Integrated

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

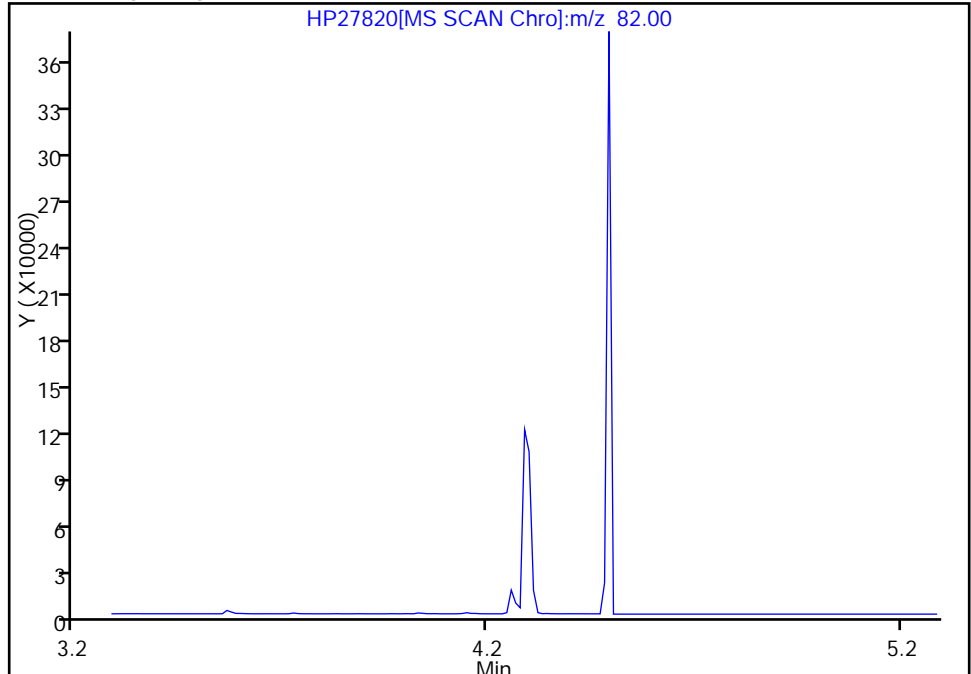


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27820.D
Injection Date: 26-Apr-2012 17:55:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 8
Operator ID: bat Injection Vol: 1.00 ul

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

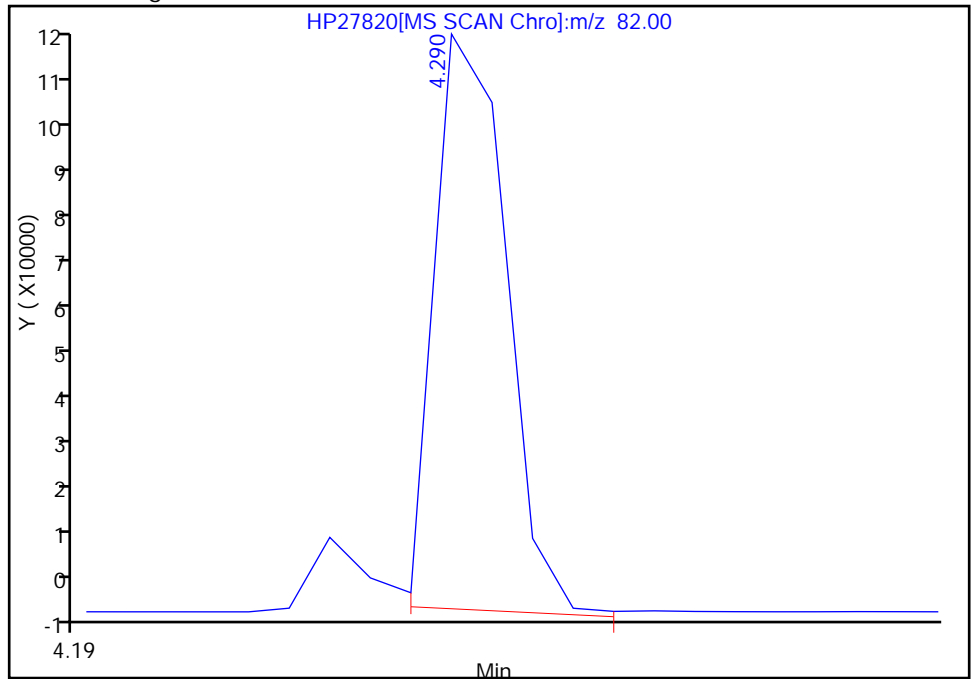
Not Detected
Expected RT: 4.29

Processing Integration Results



RT: 4.29
Response: 155476
Amount: 966.0369

Manual Integration Results



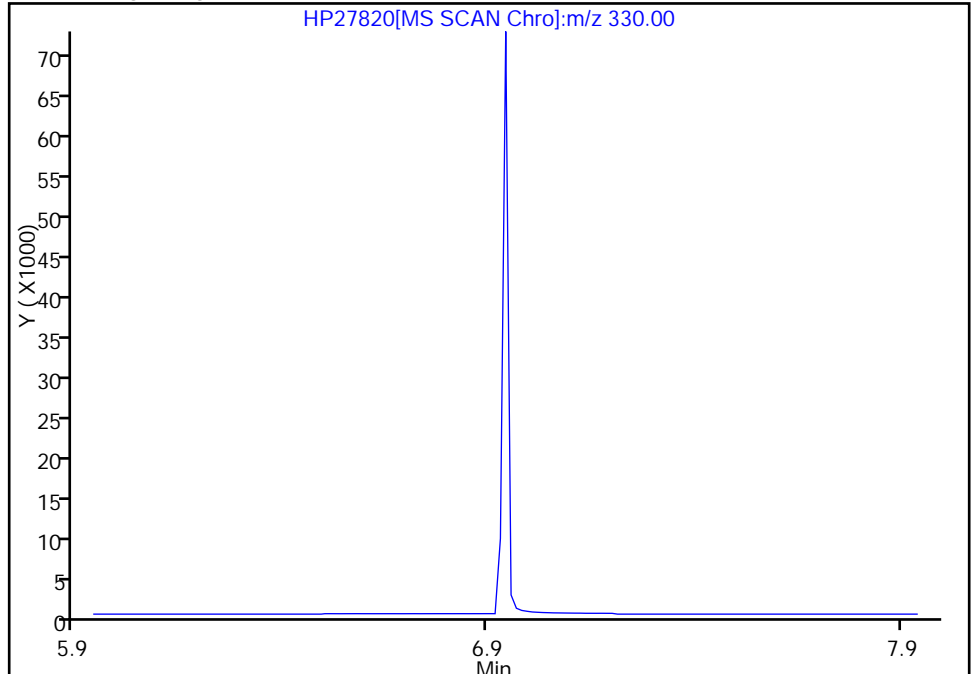
Reviewer: tadesseb, 26-Apr-2012 18:15:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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

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

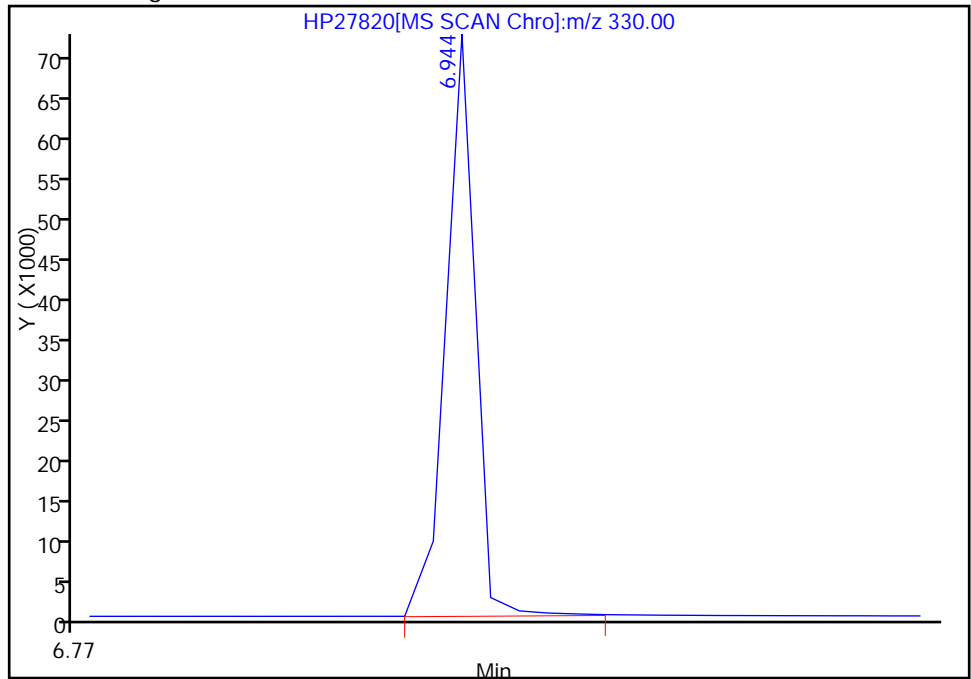
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 65796
Amount: 995.9877

Manual Integration Results



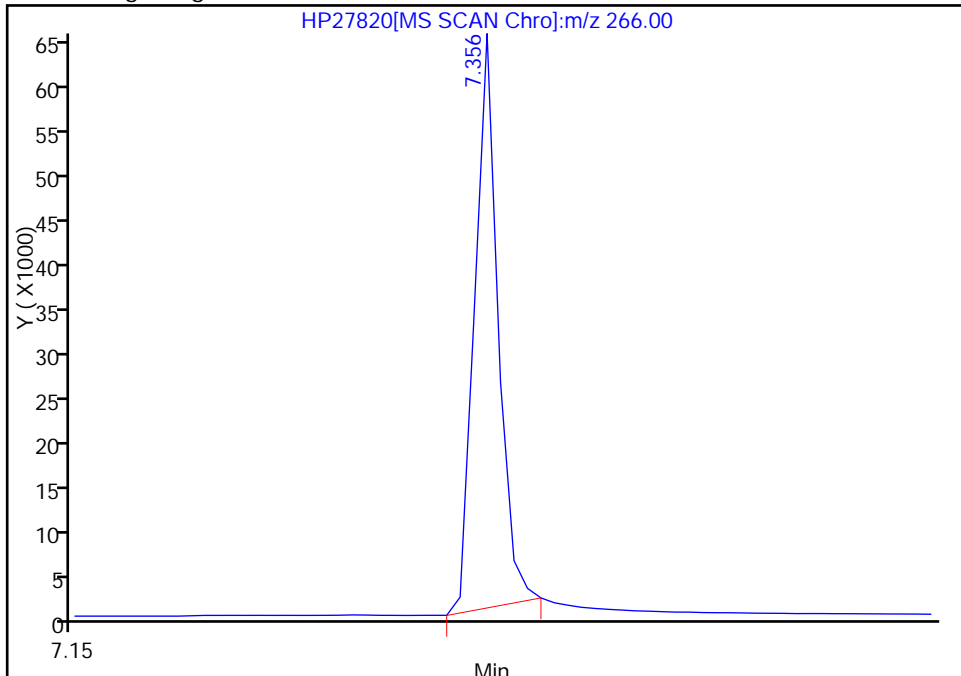
Reviewer: tadesseb, 26-Apr-2012 18:15:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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

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

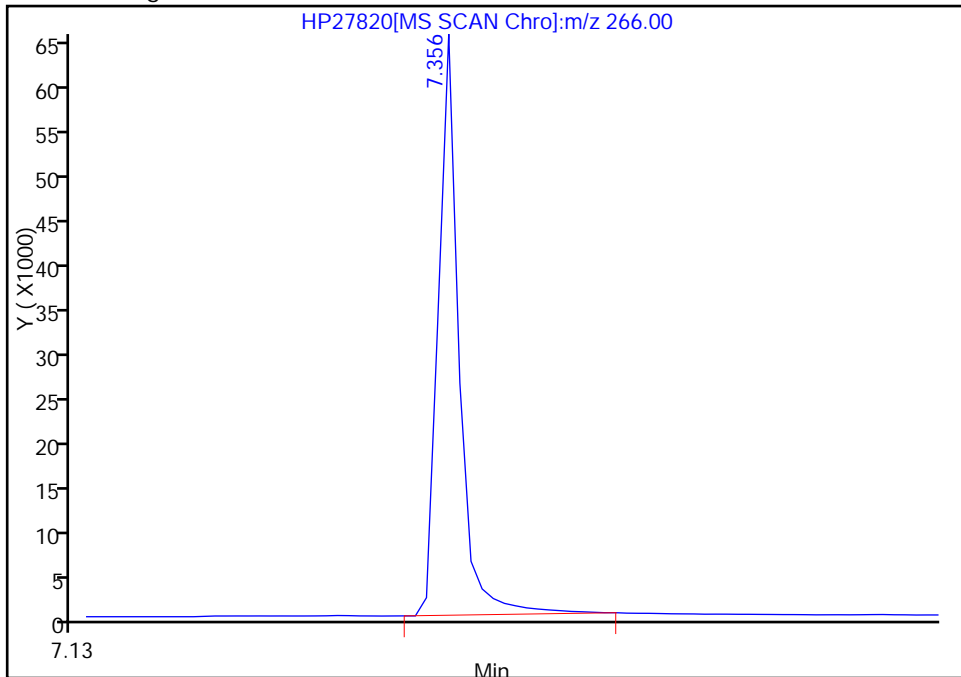
RT: 7.36
Response: 52194
Amount: 999.2435

Processing Integration Results



RT: 7.36
Response: 56922
Amount: 981.2682

Manual Integration Results



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

TestAmerica Laboratories
Target Compound Quantitation Report

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

First Level Reviewer: tadesseb

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

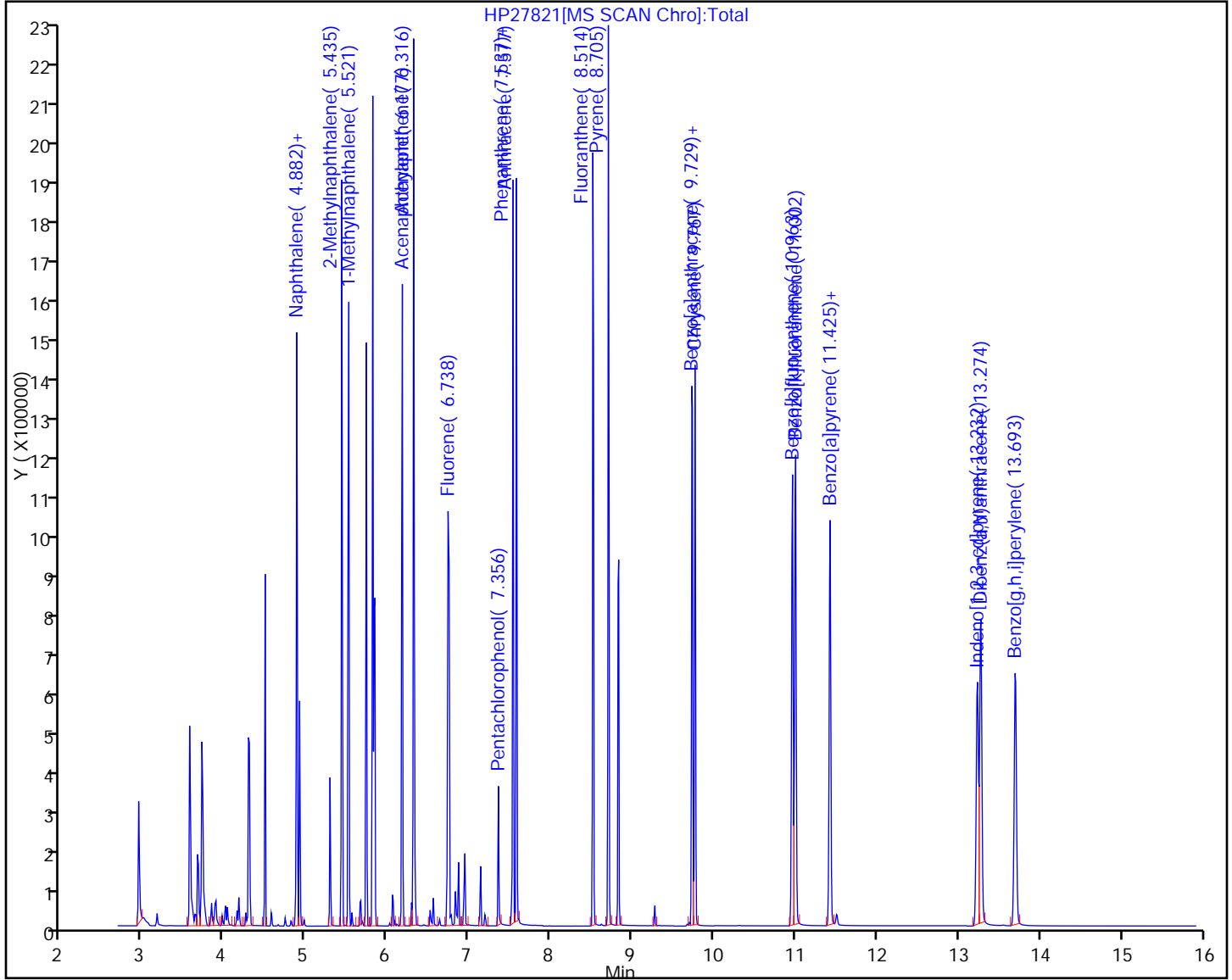
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.892	3.881	0.011	1	67151	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	48788	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27715	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	41155	98.0	
* 5 Chrysene-d12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

QC Flag Legend

Review Flags

M - Manually Integrated

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

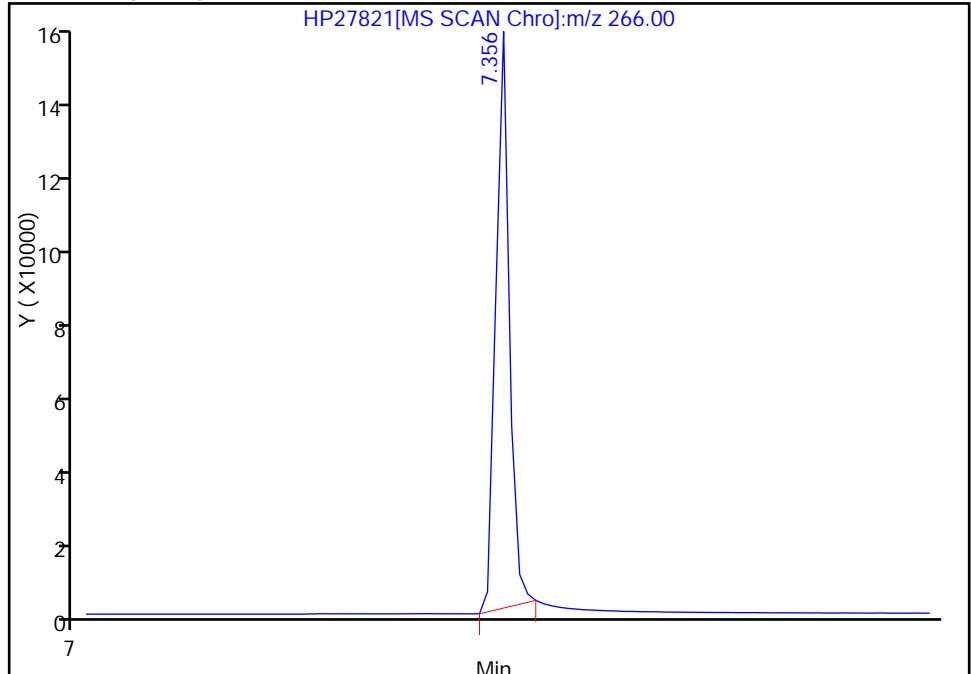


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27821.D
Injection Date: 26-Apr-2012 18:16:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 9
Operator ID: bat Injection Vol: 1.00 ul

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

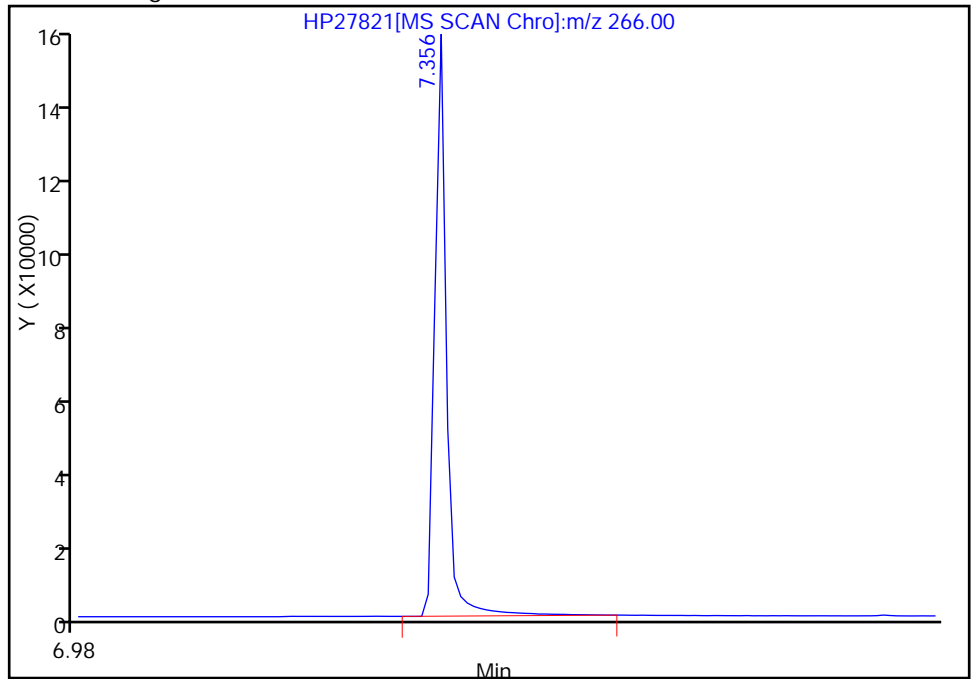
RT: 7.36
Response: 120123
Amount: 2022.2494

Processing Integration Results



RT: 7.36
Response: 131497
Amount: 2098.5122

Manual Integration Results



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

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27821.D

Injection Date: 26-Apr-2012 18:16:30

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

Lims Batch ID: 110125

Lims Sample ID: 9

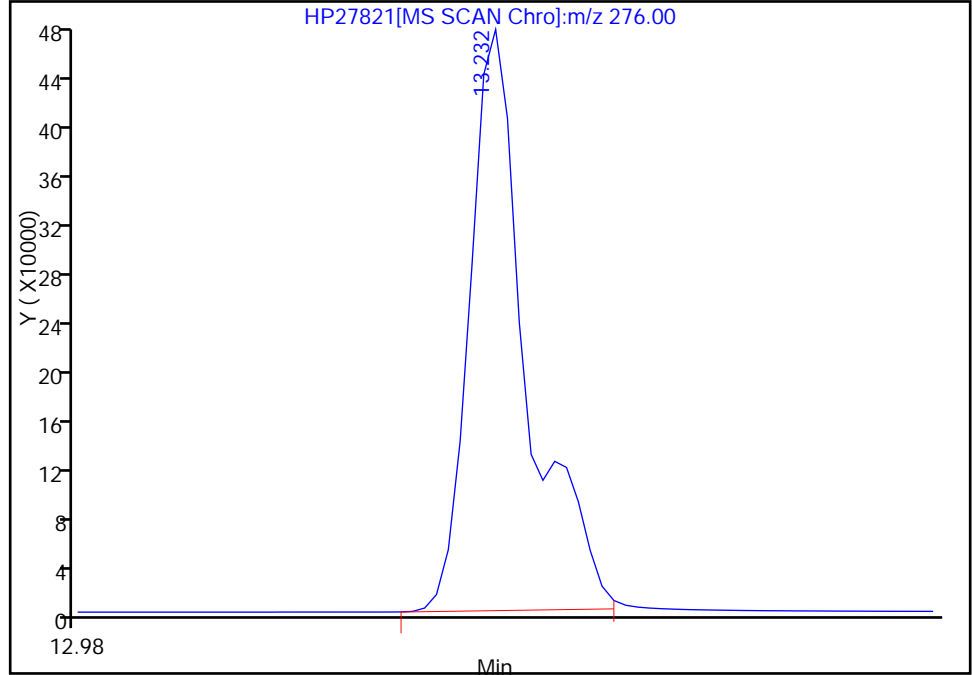
Operator ID: bat

Injection Vol: 1.00 ul

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

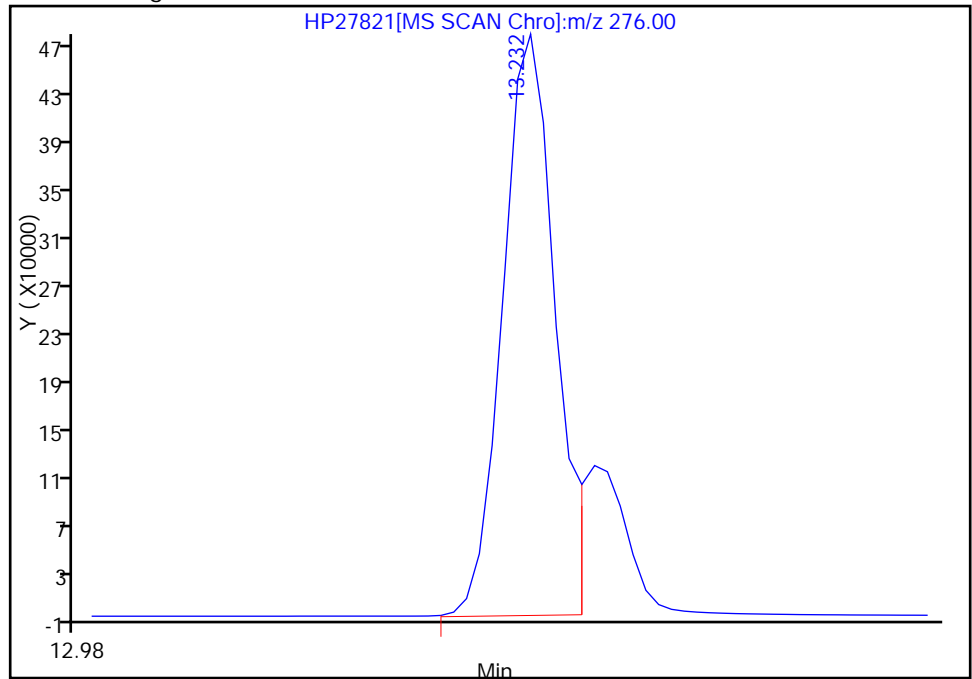
RT: 13.23
Response: 1137088
Amount: 2512.8959

Processing Integration Results



RT: 13.23
Response: 948921
Amount: 2153.0147

Manual Integration Results



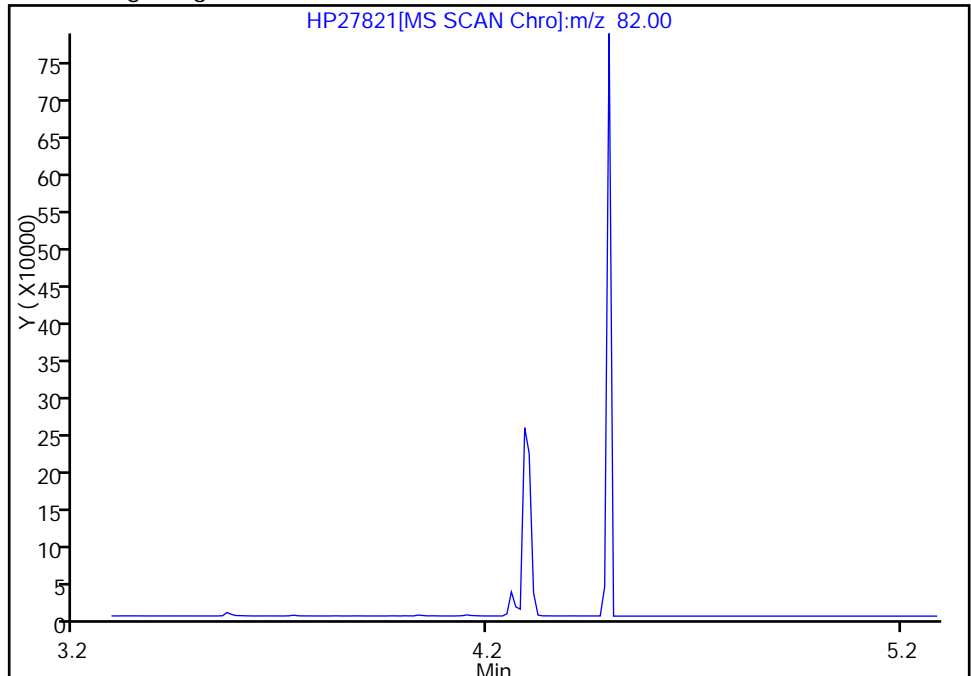
Reviewer: tadesseb, 27-Apr-2012 10:21:33
Audit Action: Manually Integrated
Audit Reason: Baseline

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

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

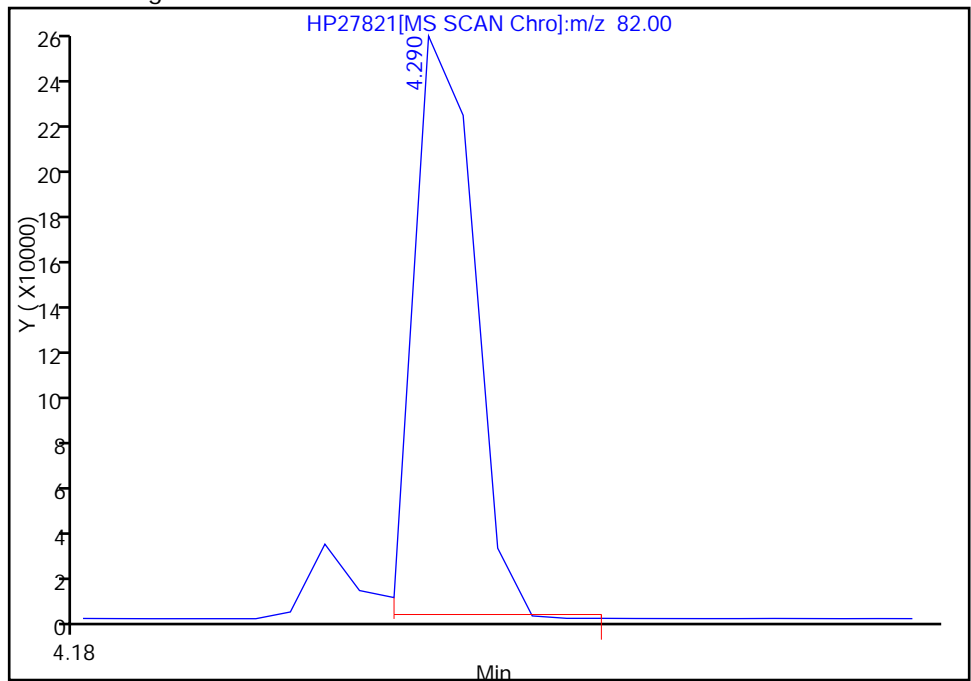
Not Detected
Expected RT: 4.29

Processing Integration Results



RT: 4.29
Response: 322573
Amount: 2007.6896

Manual Integration Results



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

TestAmerica Laboratories
Target Compound Quantitation Report

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

First Level Reviewer: tadesseb

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

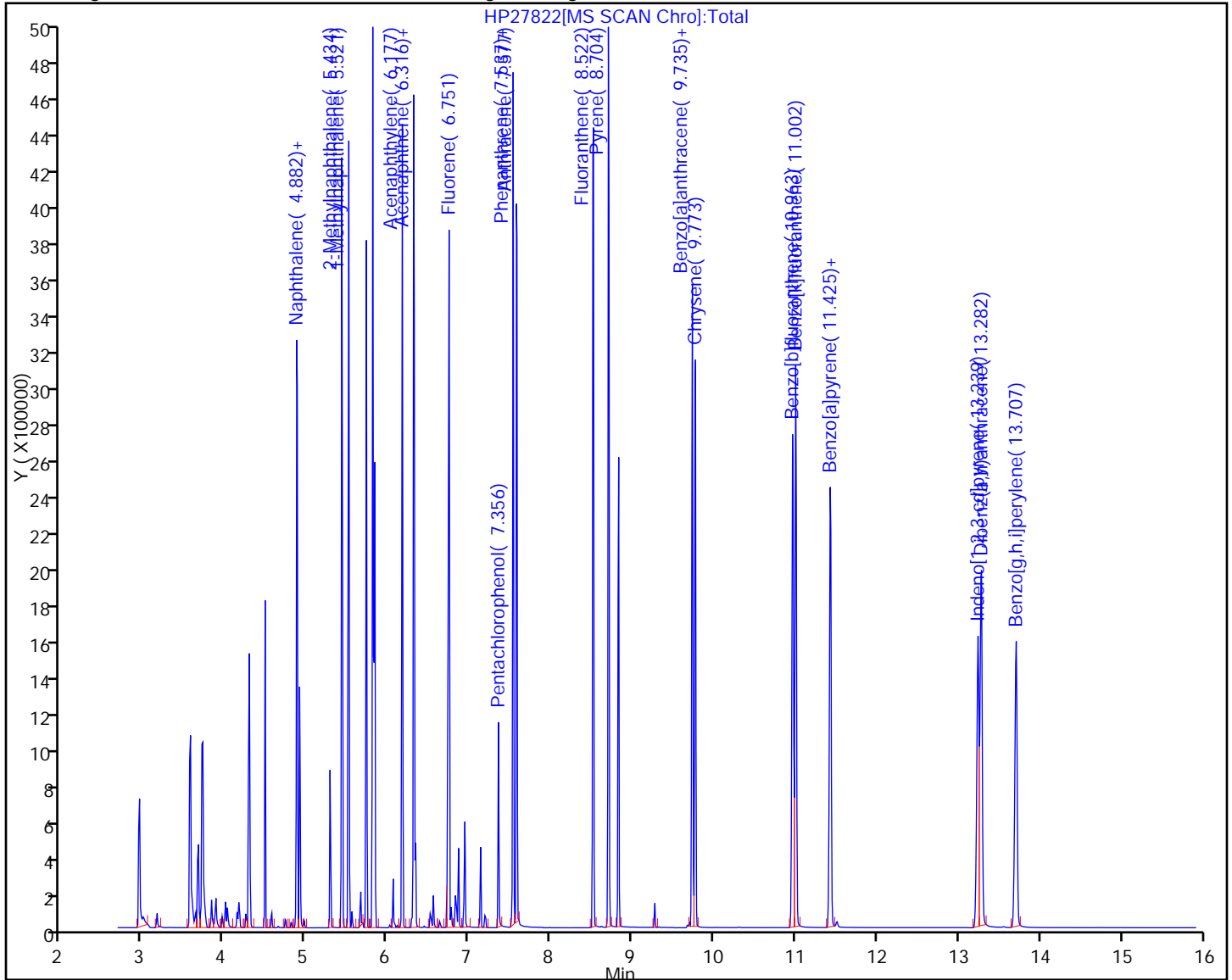
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.892	3.881	0.011	1	134506	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	51007	95.2	
* 3 Acenaphthene-d10	164	6.298	6.290	0.008	1	29238	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	44224	98.0	
* 5 Chrysene-d12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

QC Flag Legend

Review Flags

M - Manually Integrated

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

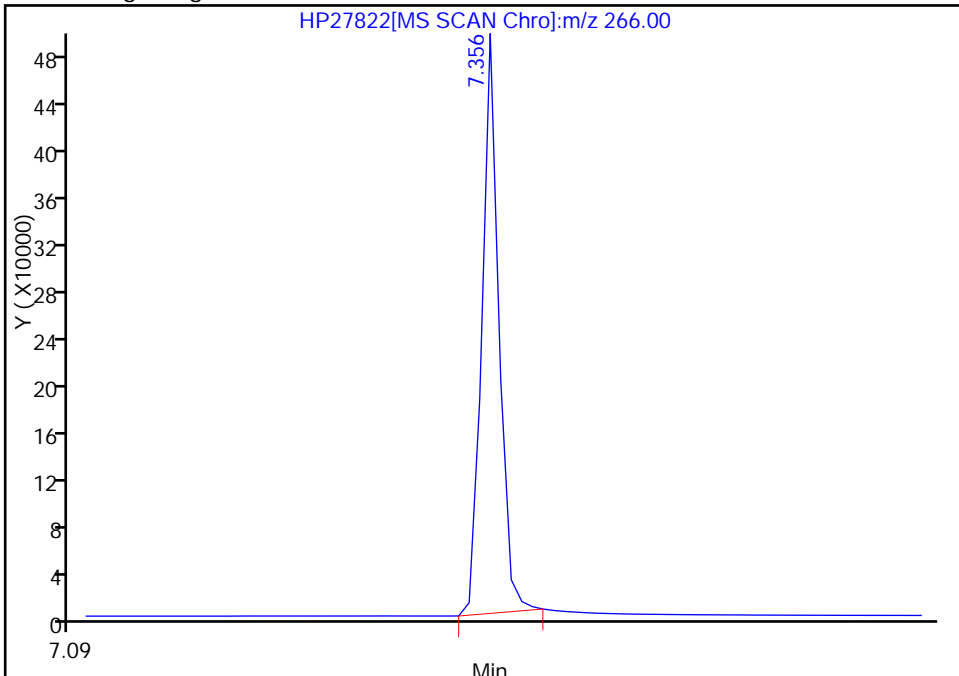


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
Injection Date: 26-Apr-2012 18:38:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 10
Operator ID: bat Injection Vol: 1.00 ul

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

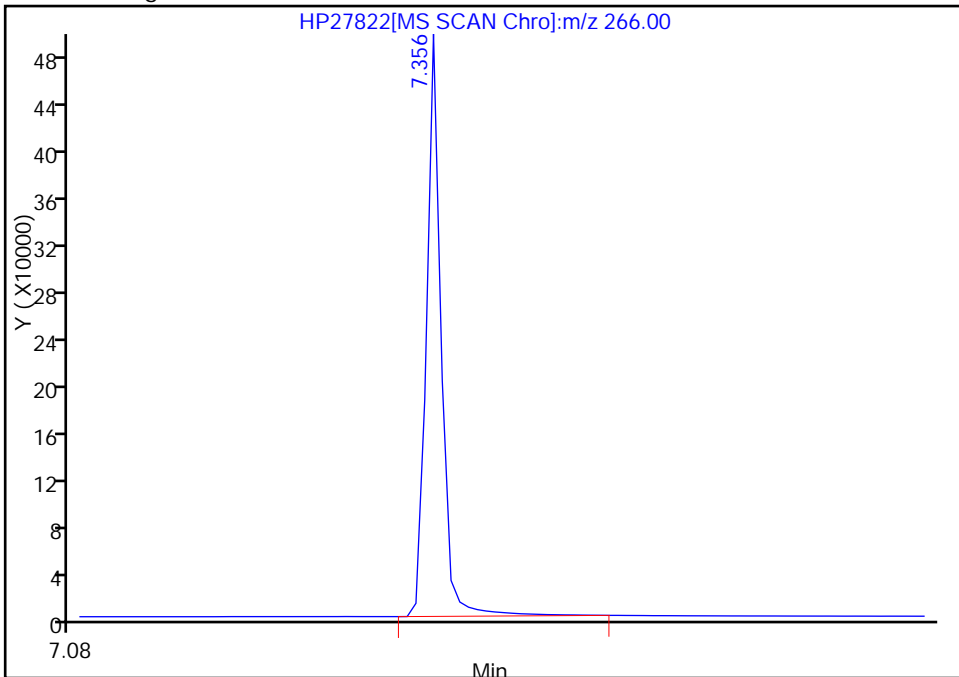
RT: 7.36
Response: 372952
Amount: 4968.7353

Processing Integration Results



RT: 7.36
Response: 391605
Amount: 4975.3373

Manual Integration Results



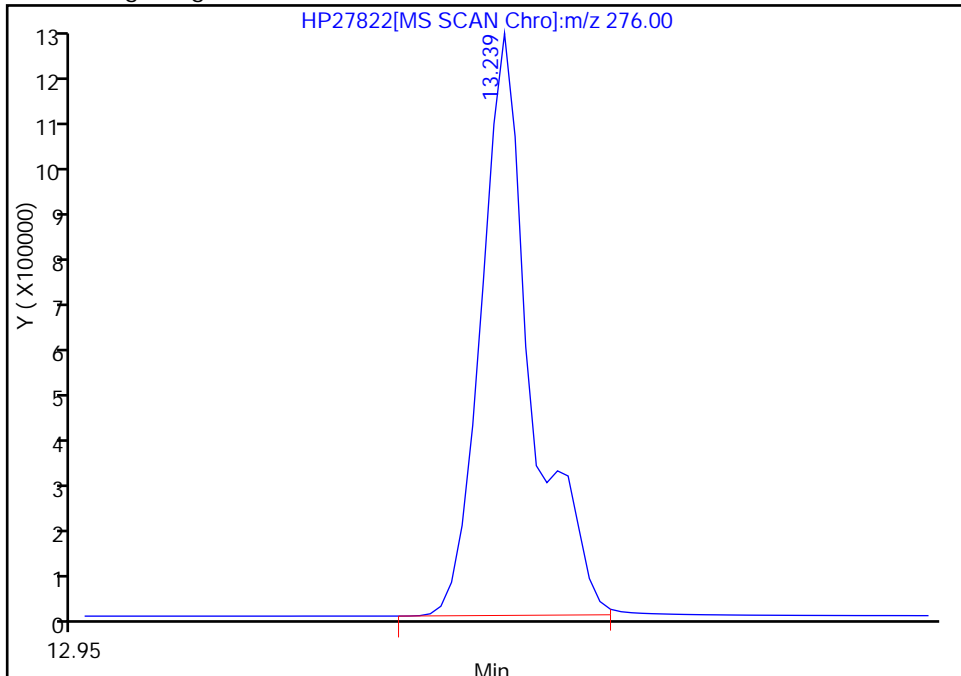
Reviewer: tadesseb, 27-Apr-2012 10:20:15
Audit Action: Manually Integrated
Audit Reason: Baseline

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

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

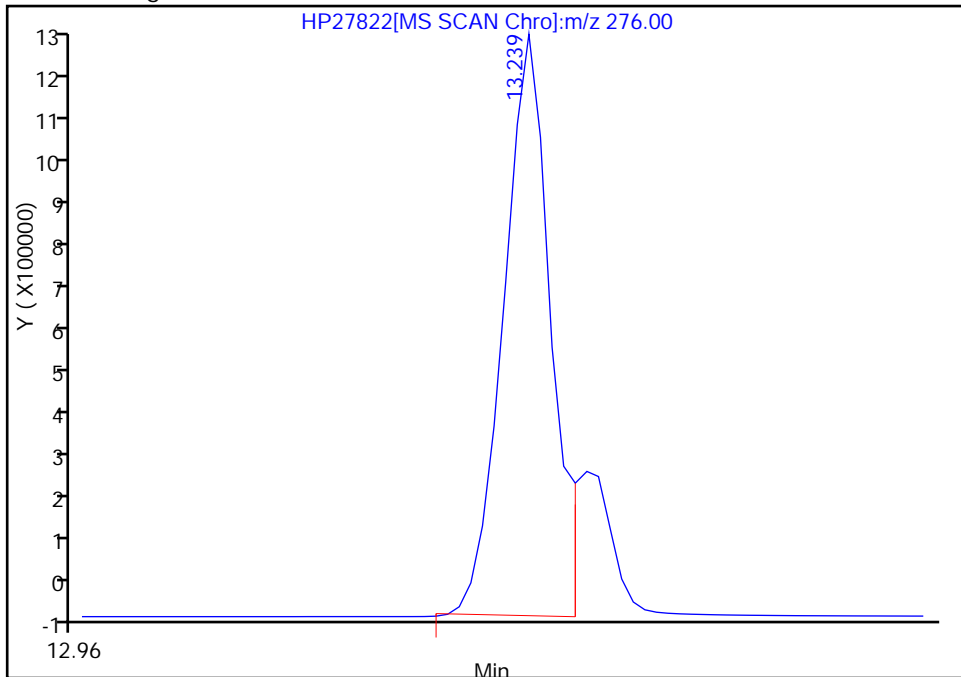
RT: 13.24
Response: 2868104
Amount: 5884.2653

Processing Integration Results



RT: 13.24
Response: 2417283
Amount: 5212.2042

Manual Integration Results



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

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

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

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

TestAmerica Laboratories
Target Compound Quantitation Report

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

First Level Reviewer: tadesseb

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

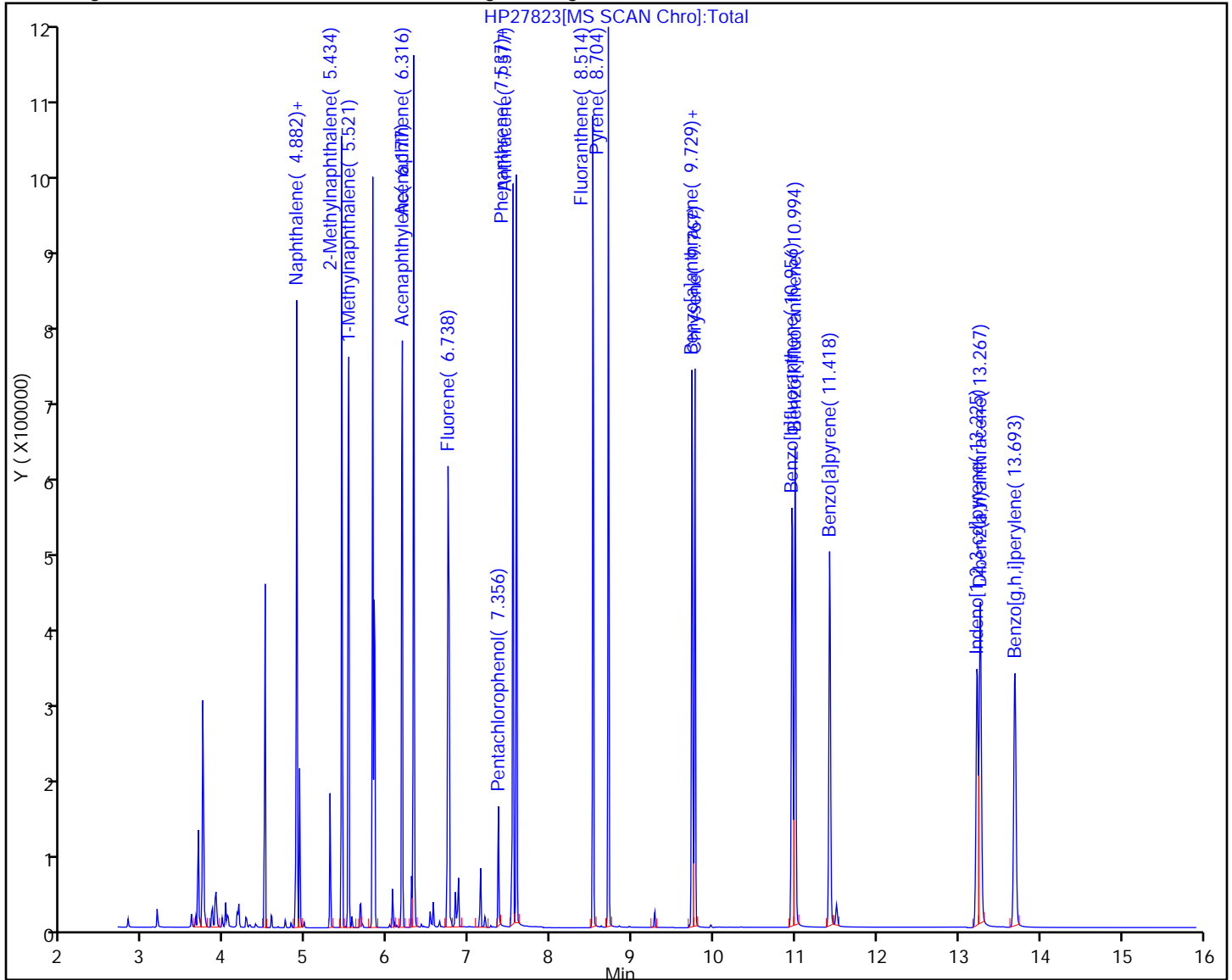
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.892	3.881	0.011	1	41529	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	51301	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	29370	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	45820	98.0	
* 5 Chrysene-d12	240	9.742	9.742	0.0	1	55067	98.1	
* 6 Perylene-d12	264	11.502	11.503	-0.001	1	42441	98.9	
26 Naphthalene	128	4.882	4.882	0.0	1	576574	1001.0	
27 2-Methylnaphthalene	141	5.434	5.435	-0.001	1	334567	994.9	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	323971	957.6	
31 Acenaphthylene	152	6.177	6.178	-0.001	1	577622	1056.4	
29 Acenaphthene	153	6.316	6.316	0.0	5	363802	985.6	
32 Fluorene	166	6.751	6.751	0.0	1	387275	1012.1	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	64232	1042.6	M
37 Phenanthrene	178	7.537	7.537	0.0	1	563775	981.8	
38 Anthracene	178	7.577	7.577	0.0	1	560545	990.4	
42 Fluoranthene	202	8.514	8.514	0.0	1	632596	1003.0	
41 Pyrene	202	8.704	8.705	-0.001	39	642262	978.6	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	608758	984.5	
43 Chrysene	228	9.767	9.767	0.0	1	601233	936.8	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	590442	994.0	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	590064	980.8	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	524635	989.7	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	494220	1028.8	
49 Dibenz(a,h)anthracene	278	13.267	13.267	0.0	1	529473	1046.3	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	535257	1018.8	

QC Flag Legend

Review Flags

M - Manually Integrated

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

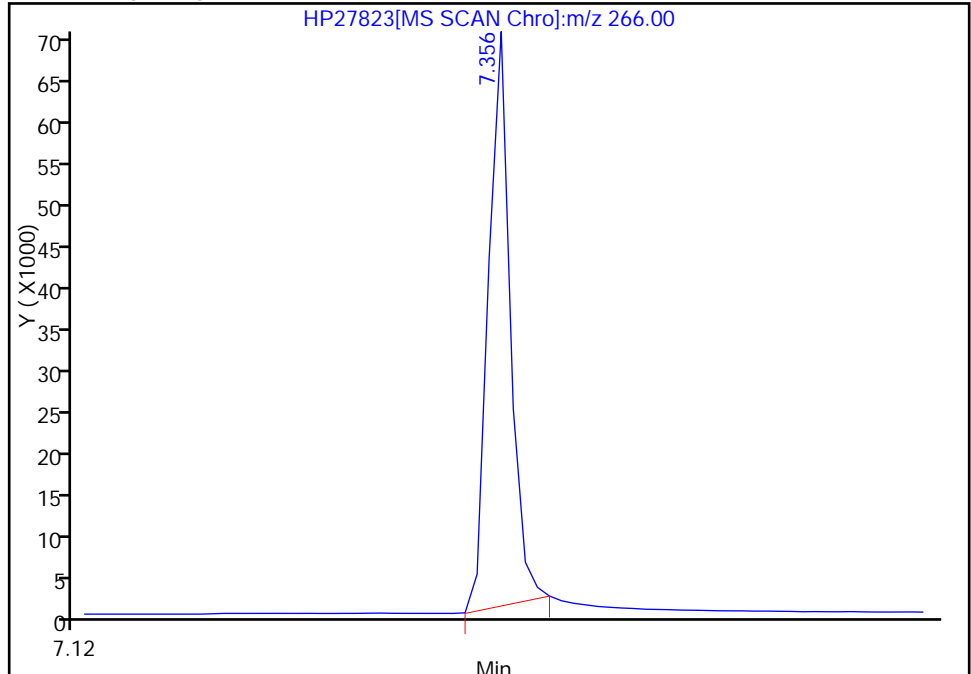


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27823.D
Injection Date: 26-Apr-2012 19:00:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 11
Operator ID: bat Injection Vol: 1.00 ul

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

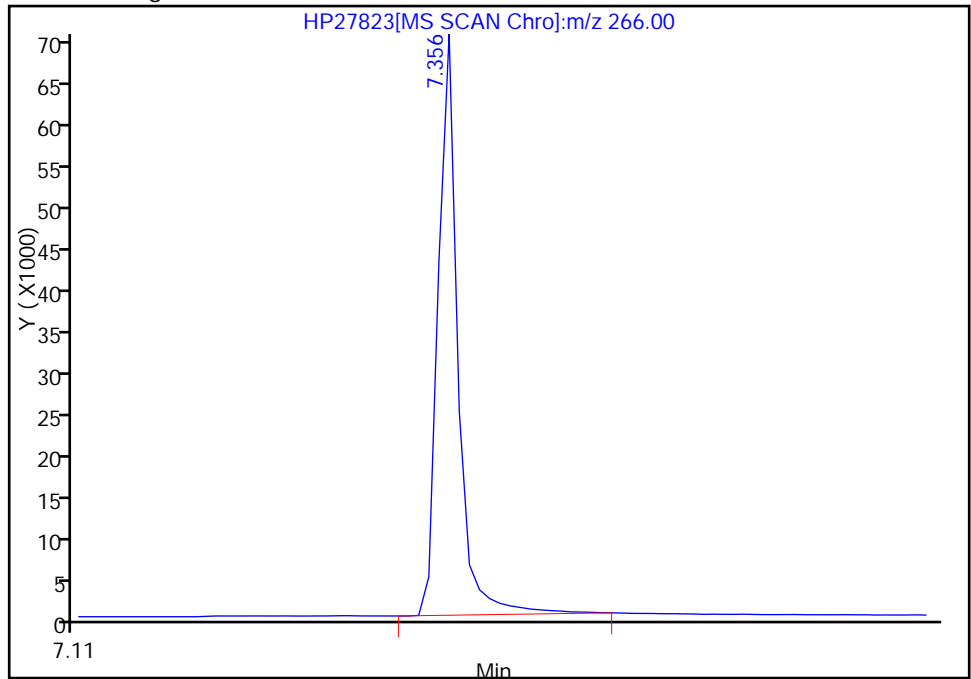
RT: 7.36
Response: 58973
Amount: 963.1893

Processing Integration Results



RT: 7.36
Response: 64232
Amount: 1042.6430

Manual Integration Results



Reviewer: tadesseb, 02-May-2012 12:00:54
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-111929/2 Calibration Date: 05/23/2012 13:37
 Instrument ID: TAC023 Calib Start Date: 04/26/2012 16:06
 GC Column: ZB-5MS ID: 0.25 (mm) Calib End Date: 04/26/2012 18:38
 Lab File ID: HP27997.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene-d5	Ave	0.3135	0.3538		555	492	12.9	
Naphthalene	Ave	1.069	1.002		469	500	-6.3	25.0
2-Methylnaphthalene	Ave	0.6240	0.5637		452	500	-9.7	25.0
1-Methylnaphthalene	Ave	0.6278	0.5999		478	500	-4.5	25.0
2-Fluorobiphenyl	Ave	1.477	1.353		452	493	-8.4	
Acenaphthylene	Ave	1.824	1.724		473	500	-5.5	25.0
Acenaphthene	Ave	1.232	1.146		465	500	-7.0	20.0
Fluorene	Ave	1.277	1.204		472	500	-5.7	25.0
2,4,6-Tribromophenol	Qual		0.2007		440	492	-10.6	
Pentachlorophenol	Qual		0.2215		565	500	13.0	20.0
Phenanthrene	Ave	1.228	1.143		465	500	-6.9	25.0
Anthracene	Ave	1.210	1.124		464	500	-7.1	25.0
Fluoranthene	Ave	1.348	1.255		465	500	-6.9	20.0
Pyrene	Ave	1.403	1.306		466	500	-6.9	25.0
Terphenyl-d14	Ave	1.060	0.9903		453	485	-6.6	
Benzo[a]anthracene	Ave	1.101	1.032		469	500	-6.2	25.0
Chrysene	Ave	1.143	1.057		462	500	-7.5	25.0
Benzo[b]fluoranthene	Ave	1.384	1.341		485	500	-3.1	25.0
Benzo[k]fluoranthene	Ave	1.402	1.366		487	500	-2.6	25.0
Benzo[a]pyrene	Ave	1.235	1.203		487	500	-2.7	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.119	1.026		458	500	-8.4	25.0
Dibenz(a,h)anthracene	Ave	1.179	1.111		471	500	-5.8	25.0
Benzo[g,h,i]perylene	Ave	1.224	1.105		451	500	-9.7	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27997.D
 Lims ID: ccvis Client ID:
 Inject. Date: 23-May-2012 13:37:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: ccvis
 Misc. Info.: 580-0023402-002 =580-0023402-002
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 111929 Lims Sample ID: 2
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120523-23402.b\8270C SIM TAC023.m
 Last Update: 24-May-2012 16:22:55 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-19

First Level Reviewer: tadesseb

Date: 24-May-2012 16:22:55

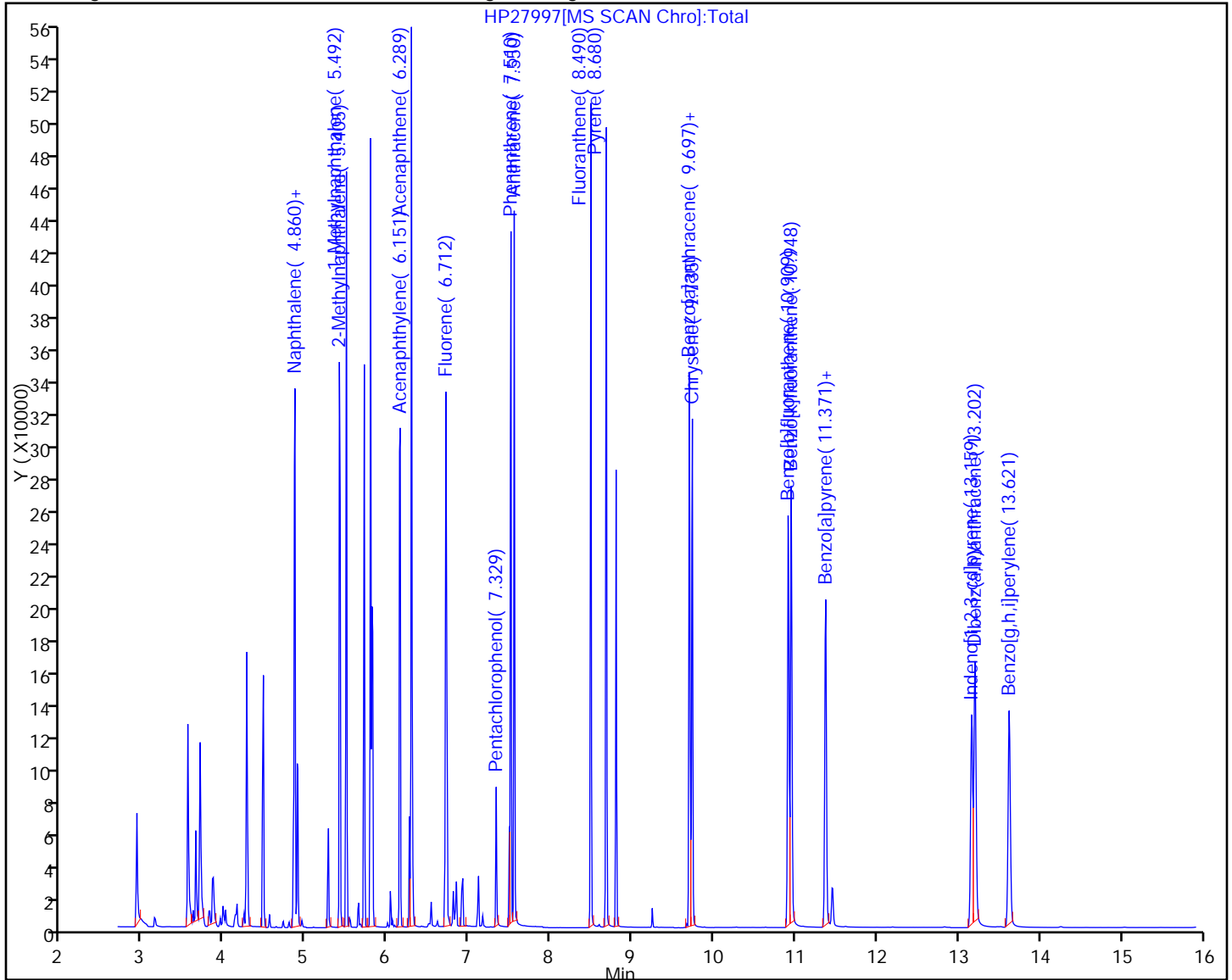
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	29271	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	49369	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	28198	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	42317	98.0	
* 5 Chrysene-d12	240	9.709	9.709	0.0	1	49128	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	37247	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	90276	555.3	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	191938	451.7	
\$ 51 2,4,6-Tribromophenol	330	6.918	6.918	0.0	0	28435	440.2	M
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	207493	453.1	
26 Naphthalene	128	4.860	4.860	0.0	1	259737	468.6	
27 2-Methylnaphthalene	141	5.405	5.415	-0.010	1	146169	451.7	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	155543	477.7	
31 Acenaphthylene	152	6.151	6.151	0.0	1	248089	472.6	
29 Acenaphthene	153	6.289	6.289	0.0	4	164849	465.2	
32 Fluorene	166	6.712	6.712	0.0	1	173228	471.5	
52 Pentachlorophenol	266	7.329	7.329	0.0	0	31869	564.9	M
37 Phenanthrene	178	7.510	7.510	0.0	1	246809	465.4	
38 Anthracene	178	7.550	7.550	0.0	1	242733	464.4	
42 Fluoranthene	202	8.490	8.490	0.0	1	271013	465.3	
41 Pyrene	202	8.680	8.680	0.0	41	282159	465.5	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	258648	468.8	
43 Chrysene	228	9.735	9.735	0.0	1	264794	462.5	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	252589	484.5	
46 Benzo[k]fluoranthene	252	10.948	10.948	0.0	1	257258	487.2	
47 Benzo[a]pyrene	252	11.371	11.371	0.0	1	226438	486.7	
50 Indeno[1,2,3-cd]pyrene	276	13.159	13.159	0.0	1	193143	458.1	
49 Dibenz(a,h)anthracene	278	13.202	13.202	0.0	1	209239	471.1	
51 Benzo[g,h,i]perylene	276	13.621	13.621	0.0	1	208169	451.5	

QC Flag Legend

Review Flags

M - Manually Integrated

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

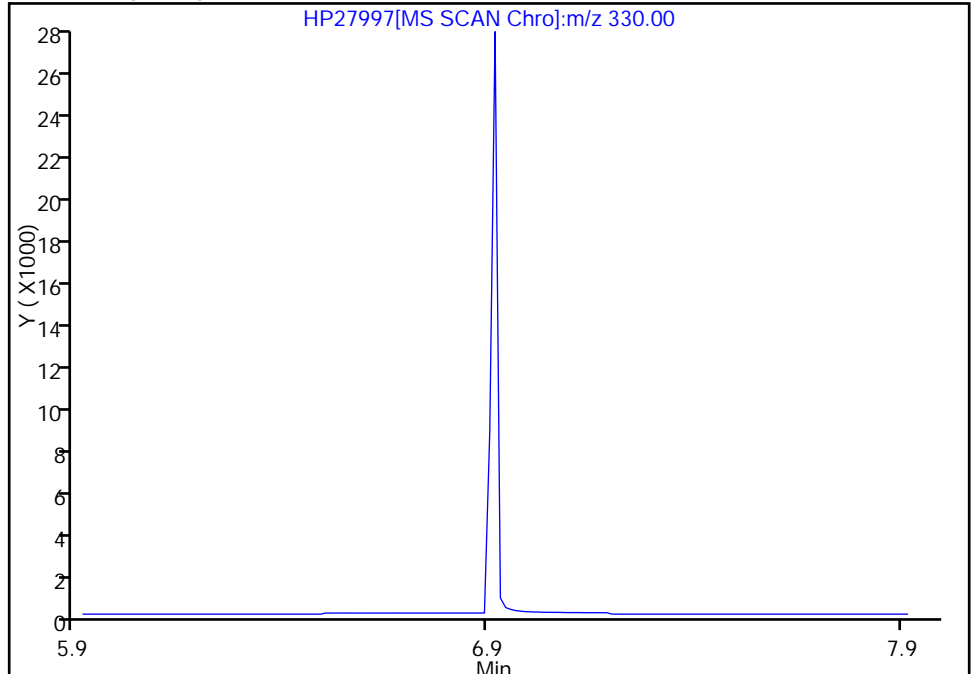


Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27997.D
Injection Date: 23-May-2012 13:37:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 111929 Lims Sample ID: 2
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.92

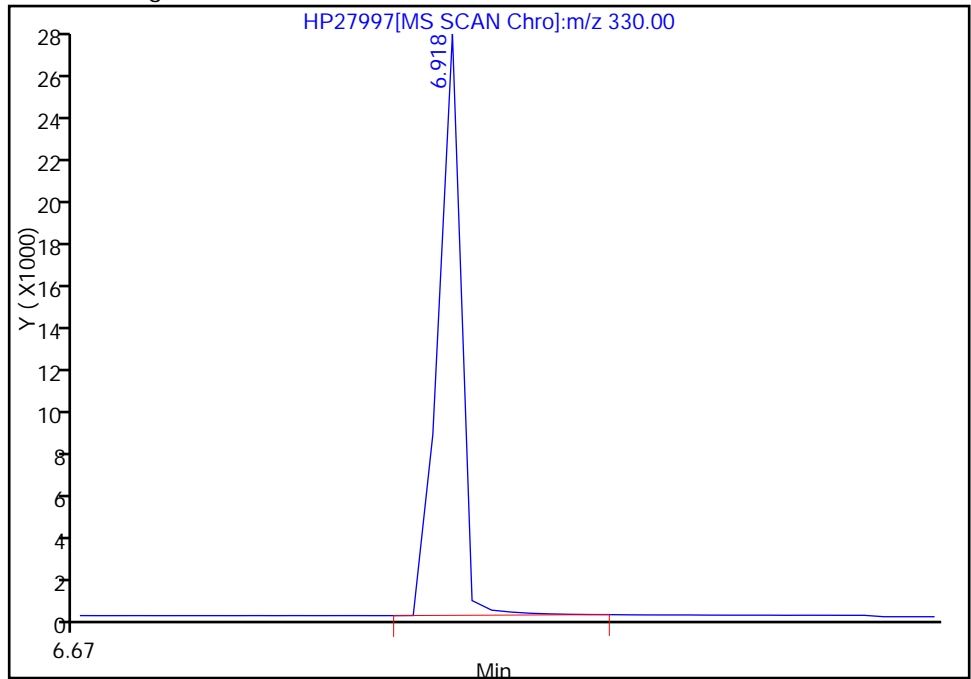
Not Detected
Expected RT: 6.92

Processing Integration Results



RT: 6.92
Response: 28435
Amount: 440.2381

Manual Integration Results



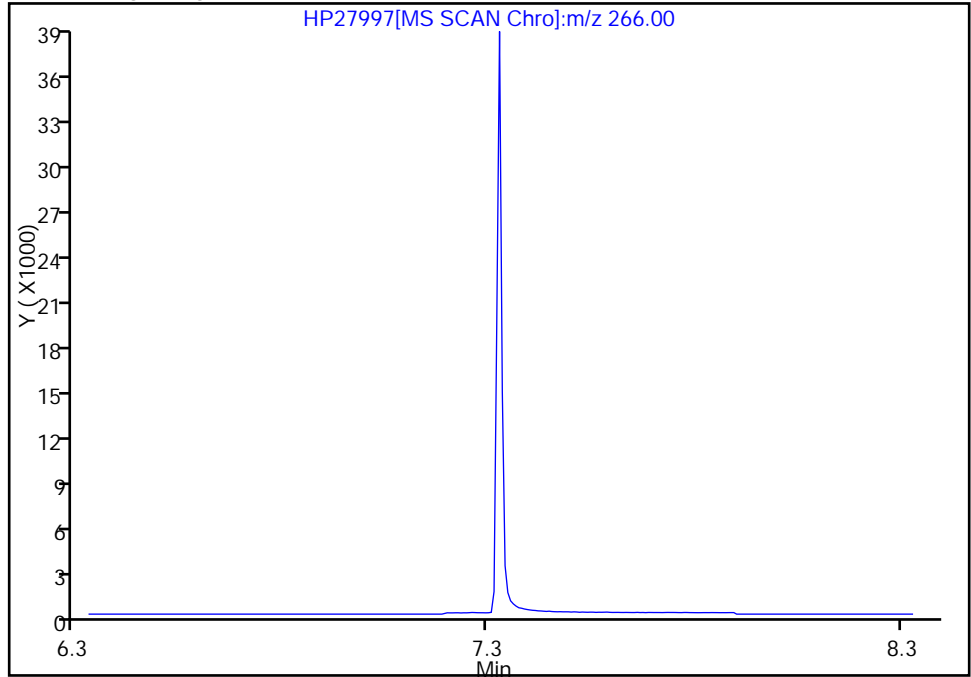
Reviewer: tadesseb, 23-May-2012 14:20:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27997.D
Injection Date: 23-May-2012 13:37:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 111929 Lims Sample ID: 2
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.33

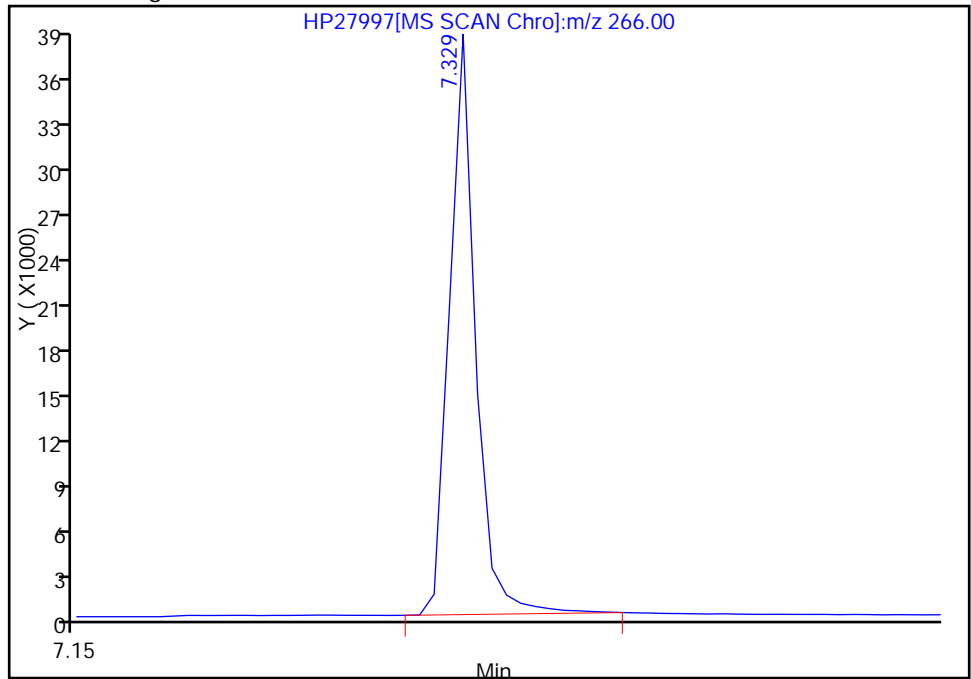
Not Detected
Expected RT: 7.33

Processing Integration Results



RT: 7.33
Response: 31869
Amount: 564.8898

Manual Integration Results



Reviewer: tadesseb, 23-May-2012 14:20:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-112072/2 Calibration Date: 05/25/2012 10:24
 Instrument ID: TAC023 Calib Start Date: 04/26/2012 16:06
 GC Column: ZB-5MS ID: 0.25 (mm) Calib End Date: 04/26/2012 18:38
 Lab File ID: HP28005.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene-d5	Ave	0.3135	0.3468		544	492	10.6	
Naphthalene	Ave	1.069	0.9912		464	500	-7.3	25.0
2-Methylnaphthalene	Ave	0.6240	0.5528		443	500	-11.4	25.0
1-Methylnaphthalene	Ave	0.6278	0.5879		468	500	-6.4	25.0
2-Fluorobiphenyl	Ave	1.477	1.348		450	493	-8.7	
Acenaphthylene	Ave	1.824	1.734		475	500	-4.9	25.0
Acenaphthene	Ave	1.232	1.157		470	500	-6.1	20.0
Fluorene	Ave	1.277	1.205		472	500	-5.6	25.0
2,4,6-Tribromophenol	Qual		0.1906		419	492	-14.9	
Pentachlorophenol	Qual		0.2124		543	500	8.6	20.0
Phenanthrene	Ave	1.228	1.131		461	500	-7.9	25.0
Anthracene	Ave	1.210	1.090		450	500	-9.9	25.0
Fluoranthene	Ave	1.348	1.245		462	500	-7.7	20.0
Pyrene	Ave	1.403	1.299		463	500	-7.4	25.0
Terphenyl-d14	Ave	1.060	0.9777		447	485	-7.8	
Benzo[a]anthracene	Ave	1.101	1.027		467	500	-6.7	25.0
Chrysene	Ave	1.143	1.054		461	500	-7.7	25.0
Benzo[b]fluoranthene	Ave	1.384	1.288		465	500	-7.0	25.0
Benzo[k]fluoranthene	Ave	1.402	1.462		521	500	4.3	25.0
Benzo[a]pyrene	Ave	1.235	1.182		479	500	-4.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.119	0.9542		426	500	-14.8	25.0
Dibenz(a,h)anthracene	Ave	1.179	1.014		430	500	-14.0	25.0
Benzo[g,h,i]perylene	Ave	1.224	0.9885		404	500	-19.3	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28005.D
 Lims ID: ccvis Client ID:
 Inject. Date: 25-May-2012 10:24:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: ccvis
 Misc. Info.: 580-0023449-002 =580-0023449-002
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 112072 Lims Sample ID: 2
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb

Date: 25-May-2012 16:13:37

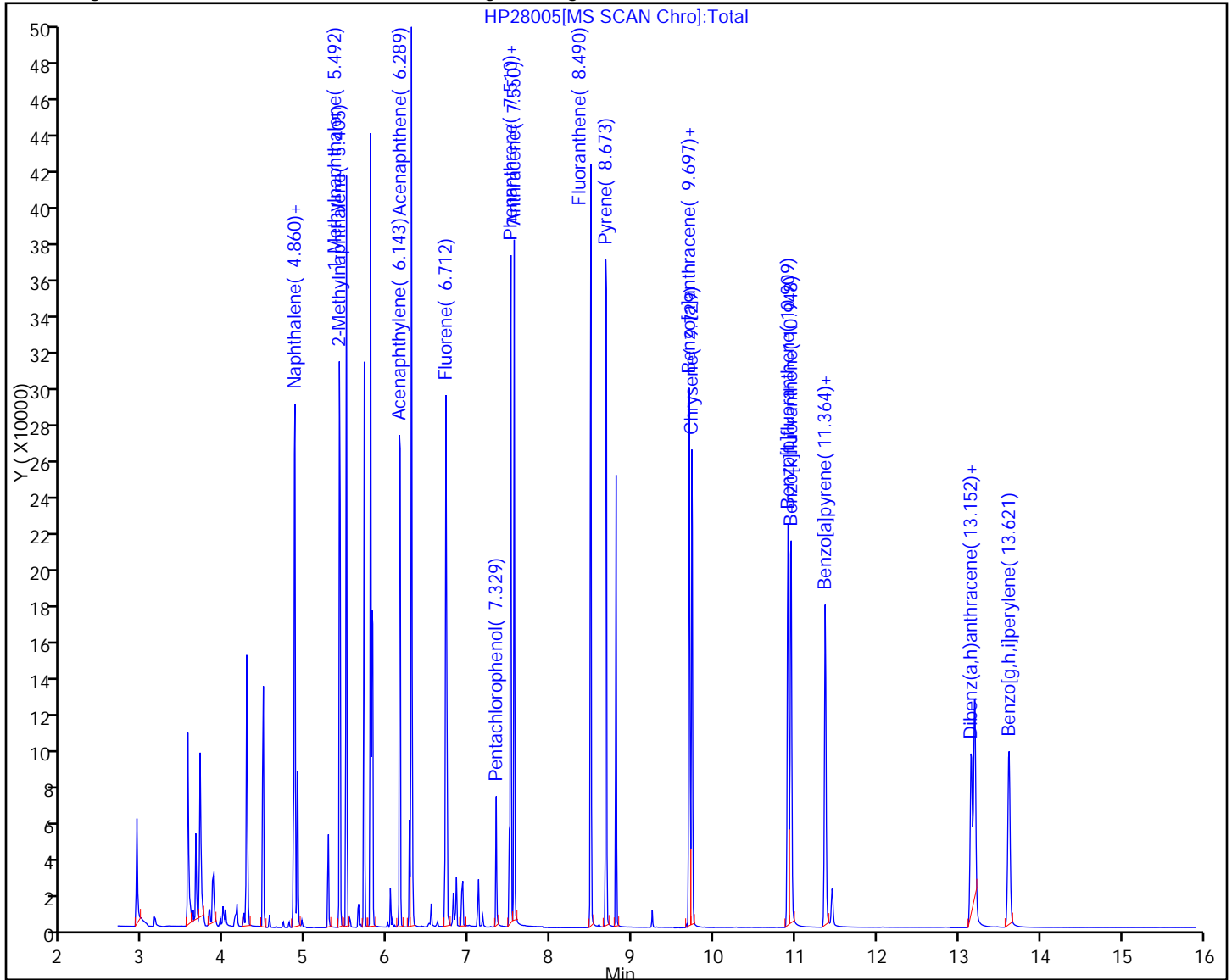
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	26236	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	44540	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	24882	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	37694	98.0	
* 5 Chrysene-d12	240	9.709	9.709	0.0	1	43217	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	31605	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	79825	544.2	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	168755	450.1	
\$ 51 2,4,6-Tribromophenol	330	6.918	6.918	0.0	0	23831	418.8	M
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	182470	447.3	
26 Naphthalene	128	4.860	4.860	0.0	1	231872	463.7	
27 2-Methylnaphthalene	141	5.405	5.415	-0.010	1	129323	442.9	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	137534	468.2	
31 Acenaphthylene	152	6.143	6.143	0.0	1	220147	475.3	
29 Acenaphthene	153	6.289	6.289	0.0	4	146882	469.7	
32 Fluorene	166	6.712	6.712	0.0	1	152980	471.9	
52 Pentachlorophenol	266	7.329	7.329	0.0	0	26968	542.9	M
37 Phenanthrene	178	7.510	7.510	0.0	1	217569	460.6	
38 Anthracene	178	7.550	7.550	0.0	1	209647	450.3	
42 Fluoranthene	202	8.490	8.490	0.0	1	239478	461.5	
41 Pyrene	202	8.680	8.680	0.0	41	249960	463.0	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	226406	466.5	
43 Chrysene	228	9.729	9.729	0.0	1	232382	461.4	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	205757	465.1	
46 Benzo[k]fluoranthene	252	10.948	10.948	0.0	1	233565	521.3	
47 Benzo[a]pyrene	252	11.364	11.364	0.0	1	188896	478.5	
50 Indeno[1,2,3-cd]pyrene	276	13.152	13.152	0.0	1	152471	426.2	M
49 Dibenz(a,h)anthracene	278	13.202	13.202	0.0	1	162050	430.0	
51 Benzo[g,h,i]perylene	276	13.621	13.621	0.0	1	157937	403.7	

QC Flag Legend

Review Flags

M - Manually Integrated

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

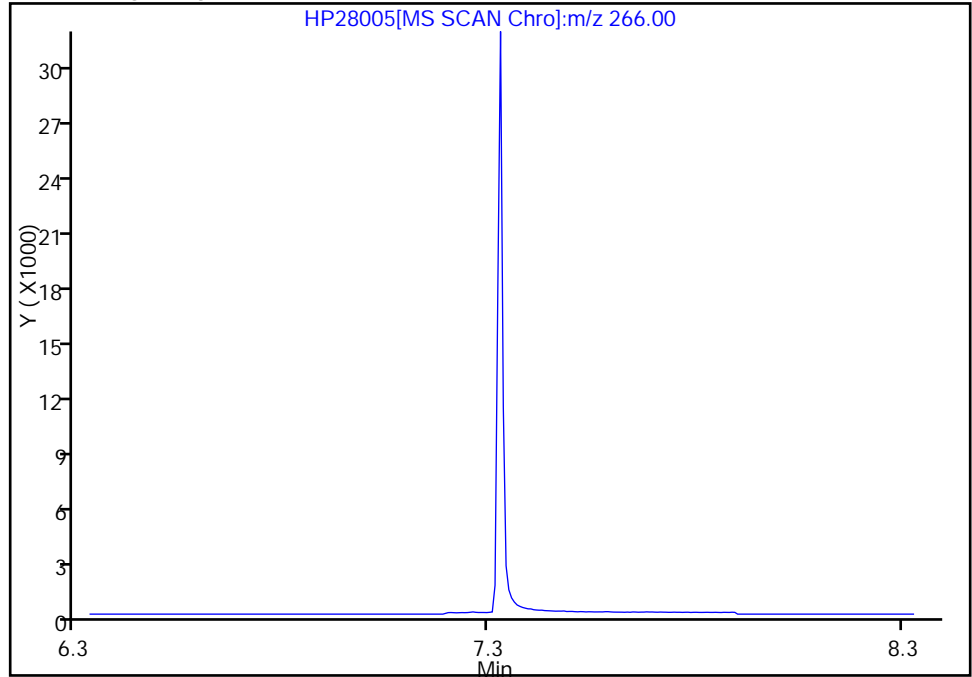


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28005.D
Injection Date: 25-May-2012 10:24:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 2
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.33

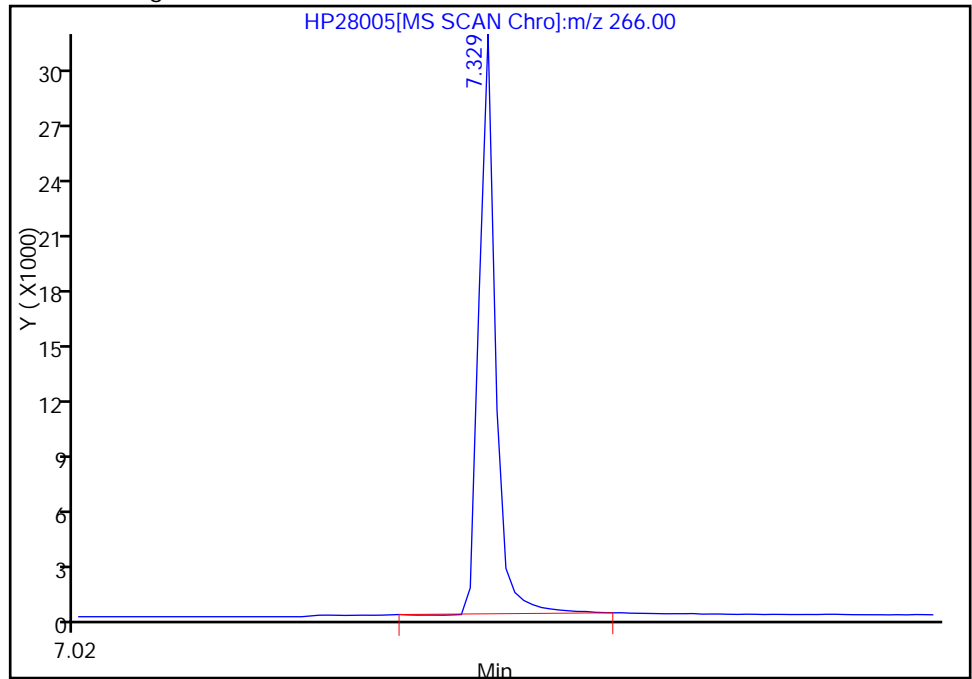
Not Detected
Expected RT: 7.33

Processing Integration Results



Manual Integration Results

RT: 7.33
Response: 26968
Amount: 542.9183



Reviewer: tadesseb, 25-May-2012 11:53:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28005.D

Injection Date: 25-May-2012 10:24:30

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

Lims Batch ID: 112072

Lims Sample ID: 2

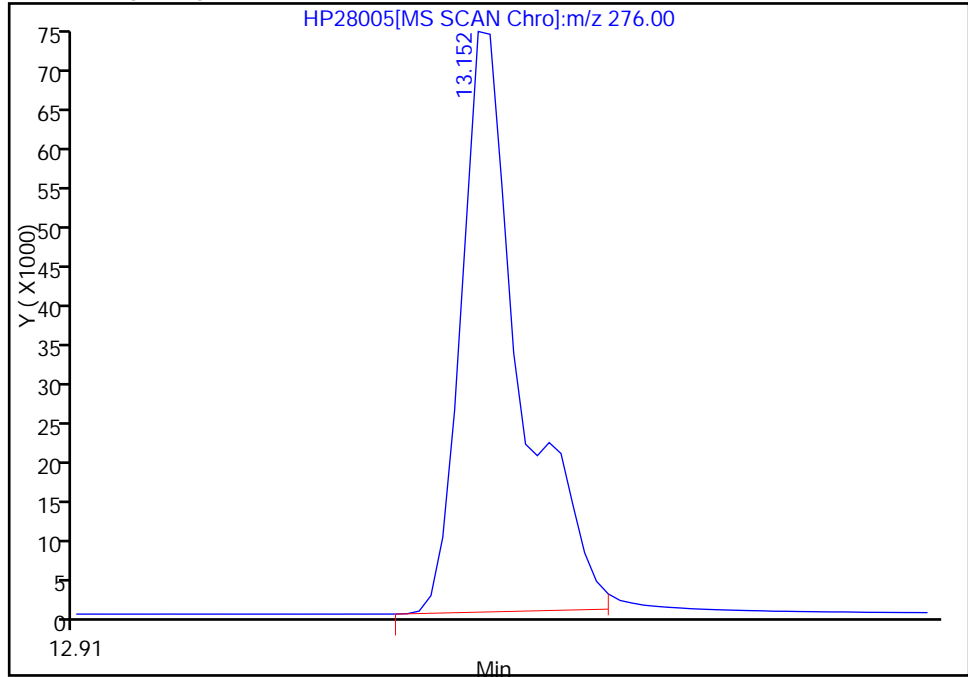
Operator ID: bat

Injection Vol: 1.00 ul

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

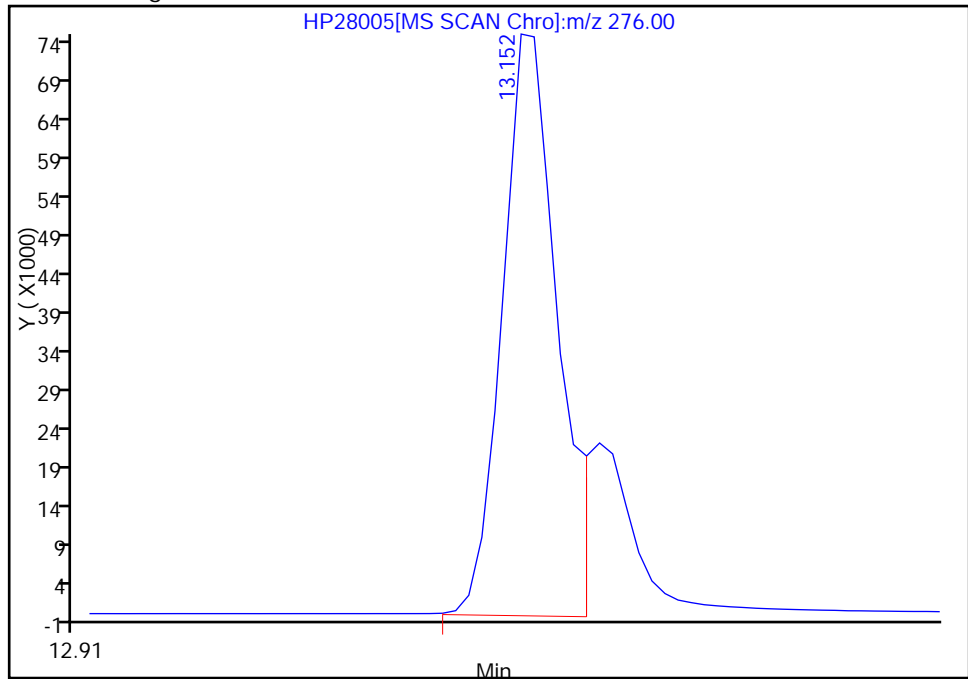
RT: 13.15
Response: 182673
Amount: 510.6595

Processing Integration Results



RT: 13.15
Response: 152471
Amount: 426.2303

Manual Integration Results



Reviewer: tadesseb, 25-May-2012 11:53:41

Audit Action: Manually Integrated

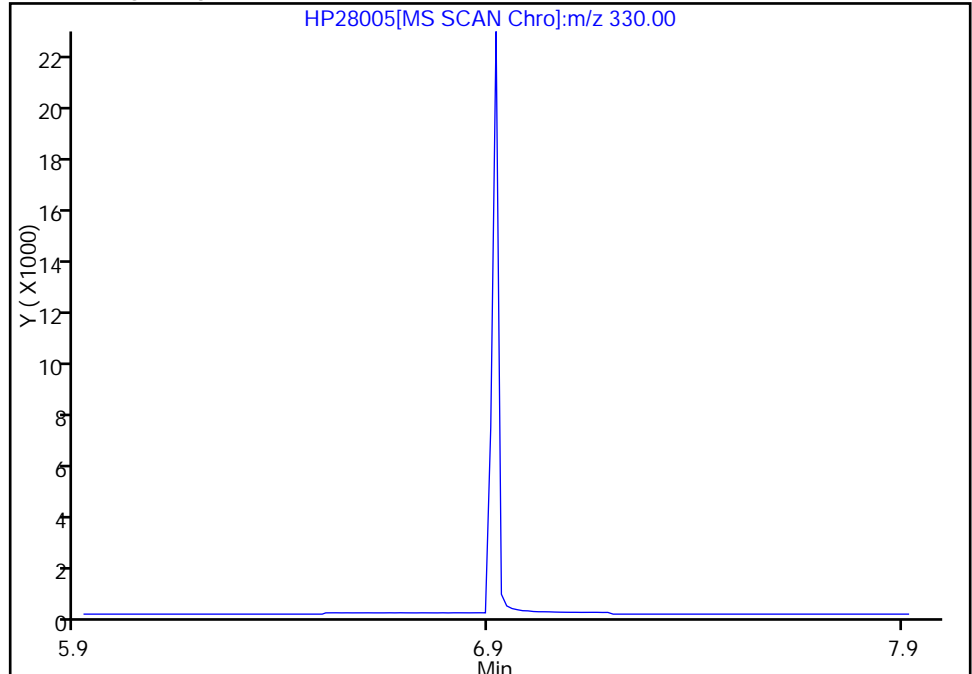
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28005.D
Injection Date: 25-May-2012 10:24:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 2
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.92

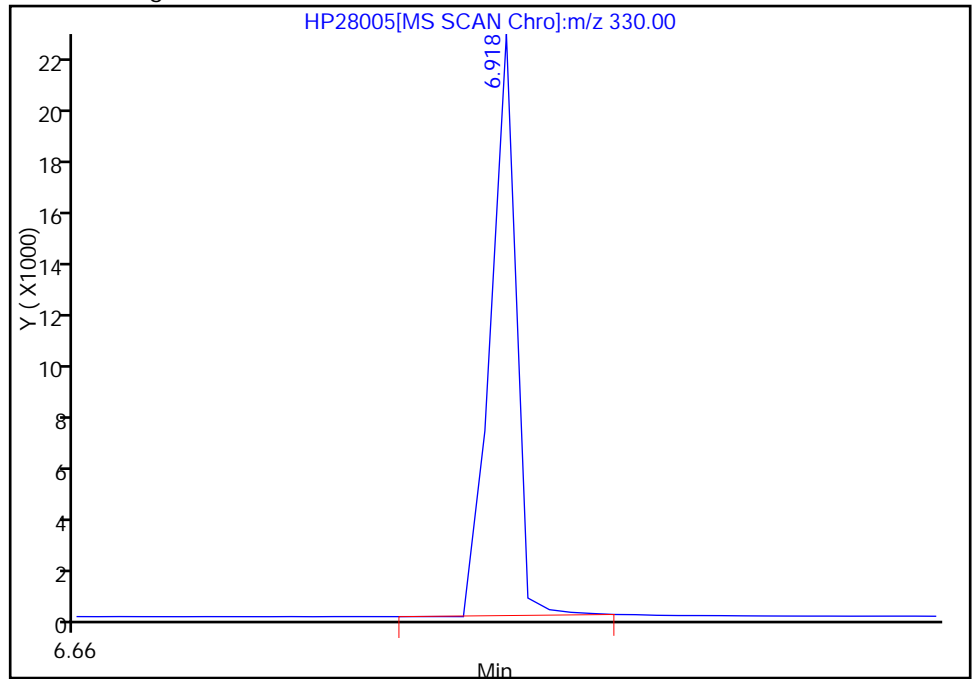
Not Detected
Expected RT: 6.92

Processing Integration Results



RT: 6.92
Response: 23831
Amount: 418.7786

Manual Integration Results



Reviewer: tadesseb, 25-May-2012 11:53:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D
 Lims ID: dftpp Client ID:
 Inject. Date: 26-Apr-2012 15:32:30 Dil. Factor: 1.0000
 Sample Type: DFTPP
 Sample ID: DFTPP
 Misc. Info.: 580-0022916-001 =580-0022916-001
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 110125 Lims Sample ID: 1
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:56:12 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb Date: 02-May-2012 11:56:12

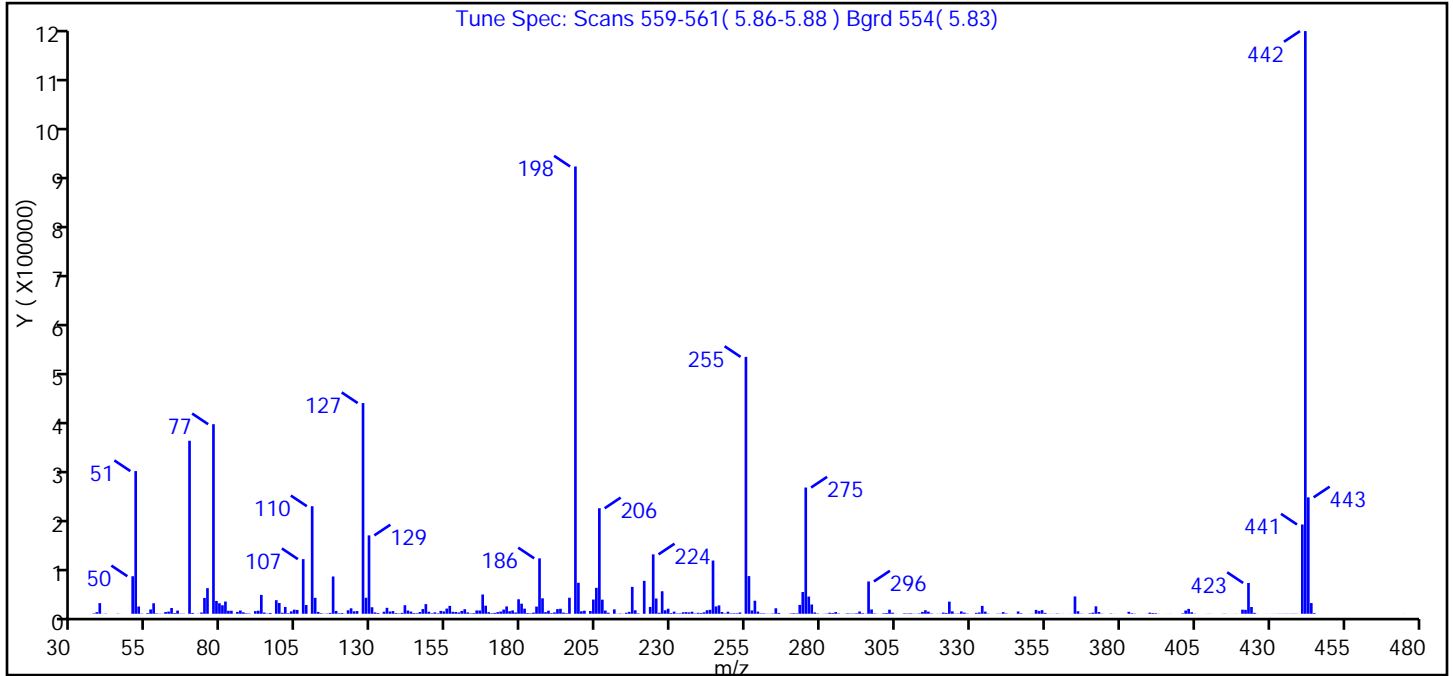
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Pentachlorophenol_T	266	5.405	5.405	0.0	91	1151264	0	
33 DFTPP								
35 Benzdine_T	184	6.915	6.915	0.0	98	4035644	0	
36 4,4'-DDE	246	7.097	7.092	0.005	75	3941	0	
39 4,4'-DDD	235	7.468	7.468	0.0	87	68066	0	M
40 4,4'-DDT	235	7.773	7.773	0.0	97	2398607	0	

QC Flag Legend

Review Flags
M - Manually Integrated

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D
 Injection Date: 26-Apr-2012 15:32:30 Limit Group: 8270 SIM PAH, PCP
 Client ID: Instrument ID: TAC023
 Lims Batch ID: 110125 Lims Sample ID: 1
 Operator ID: bat Injection Vol: 1.00 ul
 Tune Method: DFTPP Method 525.2

33 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, or > 50% of mass 442	76.76 (76.76)
51	10.00 - 80.00% of mass 442	24.49
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	38.68
70	Less than 2.00% of mass 69	0.14 (0.47)
127	10.00 - 80.00% of mass 442	36.16
197	Less than 2.00% of mass 442	0.00
199	5.00 - 9.00% of mass 442	6.93
275	10.00 - 60.00% of mass 442	21.67
365	Greater than 1.00% of mass 442	2.98
441	Present, but less than mass 443%	15.32 (76.68)
442	Base Peak, or > 50% of mass 198	100.00
443	15.00 - 24.00% of mass 442	19.98 (19.98)

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D\8270C SIM TAC023.rsl\spectra.d
 Injection Date: 26-Apr-2012 15:32:30
 Spectrum: Tune Spec: Scans 559-561(5.86-5.88) Bgrd 554(5.83)
 Base Peak: 442.00
 Minimum % Base Peak: 0
 Number of Points: 364

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	824	142.00	6177	238.00	719	335.00	4104
38.00	2996	143.00	4165	239.00	1847	336.00	476
39.00	20328	144.00	1390	240.00	1387	337.00	50
40.00	169	145.00	1108	241.00	2812	339.00	431
41.00	464	146.00	3283	242.00	6696	340.00	407
45.00	411	147.00	9006	243.00	7552	341.00	3176
46.00	68	148.00	18408	244.00	101752	342.00	822
50.00	71728	149.00	3866	245.00	14008	343.00	119
51.00	272704	150.00	1032	246.00	16033	344.00	60
52.00	13910	151.00	2679	247.00	3416	345.00	68
53.00	515	152.00	986	248.00	866	346.00	4423
55.00	1291	153.00	5460	249.00	3898	347.00	969
56.00	8293	154.00	4415	250.00	810	350.00	204
57.00	20080	155.00	9918	251.00	1006	351.00	274
58.00	827	156.00	15046	252.00	1004	352.00	7416
59.00	393	157.00	3741	253.00	2514	353.00	5158
60.00	268	158.00	3470	255.00	490944	354.00	6992
61.00	3337	159.00	2369	256.00	72032	355.00	1717
62.00	4170	160.00	5475	257.00	6406	356.00	161
63.00	11059	161.00	8720	258.00	24928	357.00	211
64.00	1409	162.00	2622	259.00	4094	358.00	133
65.00	6047	163.00	797	260.00	819	359.00	571
66.00	417	164.00	1272	261.00	838	360.00	149
67.00	424	165.00	6290	262.00	249	361.00	156
69.00	330688	166.00	6302	263.00	267	363.00	93
70.00	1563	167.00	36808	264.00	667	364.00	154
71.00	89	168.00	15438	265.00	10515	365.00	33136
72.00	272	169.00	2997	266.00	1623	366.00	4843
73.00	2400	170.00	1072	267.00	15	367.00	414
74.00	30256	171.00	1706	268.00	40	368.00	110
75.00	48992	172.00	3062	269.00	99	370.00	957
77.00	362304	173.00	4267	270.00	727	371.00	2057
78.00	24496	174.00	8062	271.00	1120	372.00	14218

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D\8270C SIM TAC023.rsl\spectra.d

Injection Date: 26-Apr-2012 15:32:30

Spectrum: Tune Spec: Scans 559-561(5.86-5.88) Bgrd 554(5.83)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 364

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	20064	175.00	14044	272.00	886	373.00	3311
80.00	16270	176.00	4849	273.00	16960	374.00	445
81.00	23392	177.00	6379	274.00	41544	377.00	592
82.00	5689	178.00	2491	275.00	241280	378.00	120
83.00	5808	179.00	27704	276.00	32832	379.00	57
84.00	220	180.00	19256	277.00	17688	381.00	50
85.00	3597	181.00	9770	278.00	2584	383.00	3739
86.00	6220	182.00	1382	279.00	722	384.00	1084
87.00	2798	183.00	945	281.00	253	385.00	466
88.00	968	184.00	2260	282.00	523	389.00	128
89.00	656	185.00	13781	283.00	2017	390.00	2140
91.00	5045	186.00	105944	284.00	1477	391.00	1433
92.00	5876	187.00	29568	285.00	3293	392.00	1096
93.00	36088	188.00	3123	286.00	718	393.00	205
94.00	2329	189.00	5815	288.00	207	395.00	69
95.00	635	190.00	1171	289.00	920	396.00	67
96.00	1529	191.00	2617	290.00	547	397.00	164
98.00	25928	192.00	8896	291.00	583	401.00	838
99.00	20592	193.00	9551	292.00	1025	402.00	6244
100.00	1952	194.00	2228	293.00	4285	403.00	9316
101.00	13020	195.00	1124	294.00	1197	404.00	2932
102.00	1063	196.00	30616	295.00	321	405.00	445
103.00	4597	198.00	854848	296.00	61760	406.00	56
104.00	7879	199.00	59224	297.00	8225	409.00	136
105.00	7362	200.00	4768	298.00	788	410.00	257
107.00	104448	201.00	5817	299.00	214	411.00	50
108.00	16752	203.00	5207	300.00	56	414.00	63
110.00	205568	204.00	27208	301.00	1035	415.00	375
111.00	30480	205.00	49584	302.00	1459	416.00	65
112.00	3501	206.00	201664	303.00	7804	417.00	51
113.00	1035	207.00	26952	304.00	2046	418.00	115
114.00	297	208.00	6099	305.00	197	419.00	194
115.00	583	209.00	1966	308.00	912	420.00	59
116.00	1678	211.00	8380	309.00	714	421.00	7908

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D\8270C SIM TAC023.rsl\spectra.d

Injection Date: 26-Apr-2012 15:32:30

Spectrum: Tune Spec: Scans 559-561(5.86-5.88) Bgrd 554(5.83)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 364

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	71288	212.00	302	310.00	1044	422.00	7468
118.00	5440	213.00	575	311.00	337	423.00	58848
119.00	1016	214.00	255	312.00	247	424.00	12930
120.00	1363	215.00	1922	313.00	780	425.00	1721
121.00	199	216.00	3557	314.00	3520	426.00	176
122.00	6630	217.00	51408	315.00	6730	428.00	52
123.00	10435	218.00	6645	316.00	4107	429.00	122
124.00	4704	219.00	891	317.00	731	430.00	60
125.00	5131	221.00	62896	319.00	220	431.00	151
127.00	402688	223.00	13073	320.00	339	432.00	114
128.00	30584	224.00	113528	321.00	2233	433.00	294
129.00	149824	225.00	29144	322.00	1572	434.00	243
130.00	12461	226.00	1886	323.00	23200	435.00	284
131.00	2599	227.00	43032	324.00	4622	436.00	312
132.00	1448	228.00	6708	325.00	463	437.00	310
133.00	53	229.00	9626	326.00	581	438.00	412
134.00	3921	230.00	1415	327.00	4533	439.00	333
135.00	11363	231.00	4122	328.00	2236	440.00	62
136.00	4313	232.00	864	329.00	479	441.00	170624
137.00	5147	233.00	937	330.00	50	442.00	1113600
138.00	1382	234.00	2869	331.00	53	443.00	222528
139.00	729	235.00	3164	332.00	1840	444.00	20488
140.00	1724	236.00	2708	333.00	2501	445.00	1320
141.00	16351	237.00	3922	334.00	15015	475.00	82

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27996.D
 Lims ID: dftpp Client ID:
 Inject. Date: 23-May-2012 13:24:30 Dil. Factor: 1.0000
 Sample Type: DFTPP
 Sample ID: DFTPP
 Misc. Info.: 580-0023402-001 =580-0023402-001
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 111929 Lims Sample ID: 1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120523-23402.b\8270C SIM TAC023.m
 Last Update: 24-May-2012 16:22:04 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-19

First Level Reviewer: tadesseb Date: 24-May-2012 16:22:04

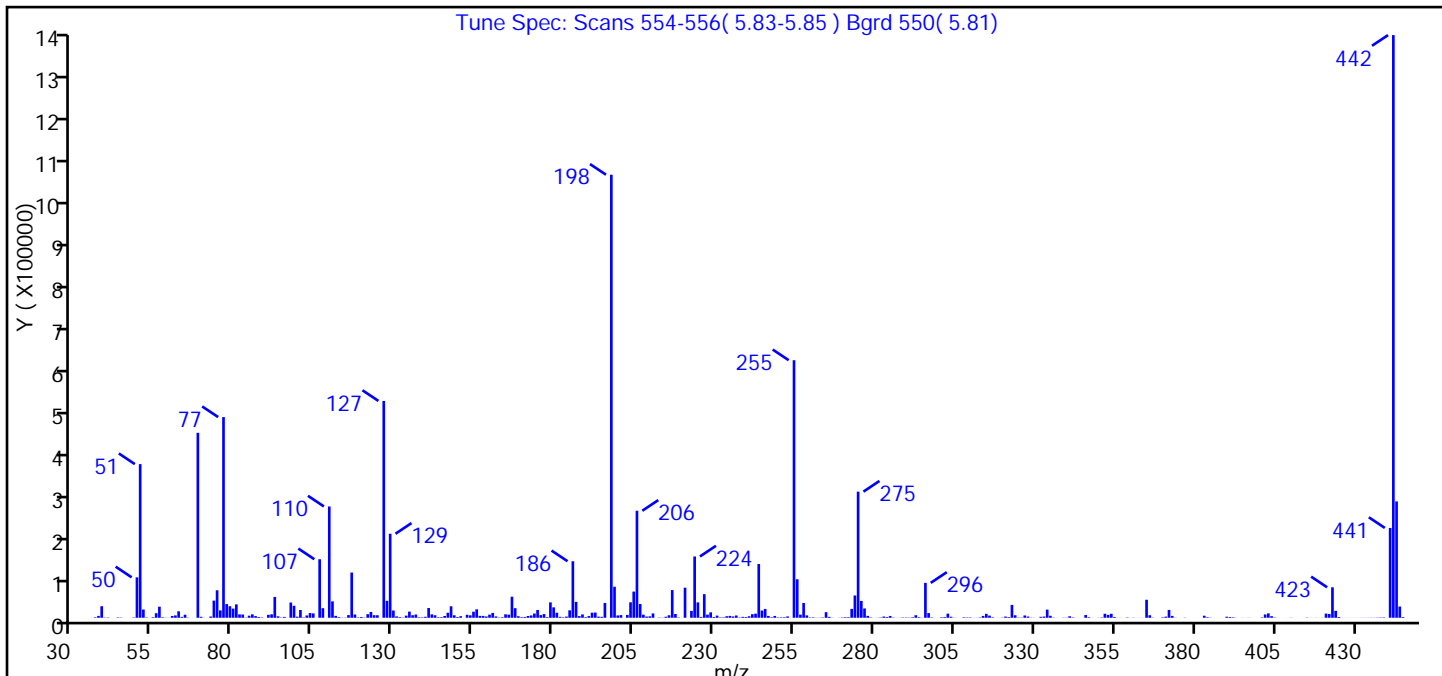
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Pentachlorophenol_T	266	5.376	5.376	0.0	93	1351001	0	
33 DFTPP								
35 Benzdine_T	184	6.880	6.880	0.0	99	3774878	0	
36 4,4'-DDE	246	7.068	7.068	0.0	82	5603	0	
39 4,4'-DDD	235	7.432	7.432	0.0	82	107040	0	M
40 4,4'-DDT	235	7.738	7.738	0.0	98	2940402	0	

QC Flag Legend

Review Flags
M - Manually Integrated

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27996.D
 Injection Date: 23-May-2012 13:24:30 Limit Group: 8270 SIM PAH, PCP
 Client ID: Instrument ID: TAC023
 Lims Batch ID: 111929 Lims Sample ID: 1
 Operator ID: bat Injection Vol: 1.00 ul
 Tune Method: DFTPP Method 525.2

33 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, or > 50% of mass 442	76.04 (76.04)
51	10.00 - 80.00% of mass 442	26.37
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	41.75
70	Less than 2.00% of mass 69	0.17 (0.52)
127	10.00 - 80.00% of mass 442	37.21
197	Less than 2.00% of mass 442	0.00
199	5.00 - 9.00% of mass 442	7.00
275	10.00 - 60.00% of mass 442	21.65
365	Greater than 1.00% of mass 442	3.09
441	Present, but less than mass 443%	15.42 (77.21)
442	Base Peak, or > 50% of mass 198	100.00
443	15.00 - 24.00% of mass 442	19.97 (19.97)

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27996.D\8270C SIM TAC023.rsl\spectra.d
Injection Date: 23-May-2012 13:24:30
Spectrum: Tune Spec: Scans 554-556 (5.83-5.85) Bgrd 550(5.81)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 378

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	213	138.00	1305	239.00	2175	337.00	101
37.00	1212	139.00	1061	240.00	1857	338.00	55
38.00	4438	140.00	2357	241.00	3574	339.00	423
39.00	27392	141.00	23208	242.00	8437	340.00	423
40.00	661	142.00	8046	243.00	9717	341.00	3564
41.00	768	143.00	5933	244.00	127560	342.00	979
44.00	946	144.00	1342	245.00	17160	343.00	124
45.00	633	145.00	1477	246.00	20944	344.00	106
46.00	71	146.00	4261	247.00	4372	345.00	65
47.00	13	147.00	11891	248.00	1232	346.00	6455
48.00	110	148.00	27200	249.00	4320	347.00	1410
49.00	839	149.00	5953	250.00	988	348.00	150
50.00	95944	150.00	1722	251.00	1099	350.00	317
51.00	364544	151.00	3770	252.00	1333	351.00	771
52.00	19544	153.00	7089	253.00	3194	352.00	9514
53.00	839	154.00	5786	255.00	611072	353.00	6876
54.00	82	155.00	14373	256.00	91296	354.00	9443
55.00	1490	156.00	20056	257.00	7510	355.00	1991
56.00	10829	157.00	4577	258.00	35176	356.00	242
57.00	26264	158.00	4373	259.00	5677	357.00	120
58.00	1315	159.00	3081	260.00	972	358.00	72
59.00	446	160.00	7439	261.00	1086	359.00	814
60.00	295	161.00	11453	262.00	323	360.00	179
61.00	4178	162.00	3227	263.00	486	361.00	353
62.00	5548	163.00	830	264.00	922	362.00	125
63.00	15296	164.00	1288	265.00	13237	363.00	172
64.00	2139	165.00	8203	266.00	2206	364.00	148
65.00	7219	166.00	7426	267.00	324	365.00	42712
66.00	527	167.00	49976	268.00	81	366.00	5996
69.00	438848	168.00	22728	269.00	302	367.00	554
70.00	2297	169.00	3683	270.00	860	370.00	1161
71.00	311	170.00	1436	271.00	1446	371.00	2700
72.00	81	171.00	1946	272.00	1434	372.00	18616

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27996.D\8270C SIM TAC023.rsl\spectra.d

Injection Date: 23-May-2012 13:24:30

Spectrum: Tune Spec: Scans 554-556(5.83-5.85) Bgrd 550(5.81)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 378

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	2942	172.00	4198	273.00	21072	373.00	4390
74.00	40736	173.00	5501	274.00	52928	374.00	364
75.00	65240	174.00	10029	275.00	299264	376.00	50
76.00	17520	175.00	18440	276.00	39992	377.00	477
77.00	476096	176.00	6315	277.00	22080	378.00	53
78.00	32512	177.00	8736	278.00	4454	383.00	4859
79.00	27352	178.00	1573	279.00	828	384.00	1337
80.00	21768	179.00	36560	280.00	68	385.00	402
81.00	31784	180.00	24688	281.00	342	386.00	67
82.00	8048	181.00	11932	282.00	819	388.00	68
83.00	7672	182.00	2250	283.00	2925	389.00	83
84.00	643	183.00	1065	284.00	1813	390.00	2519
85.00	4922	184.00	2825	285.00	4279	391.00	1771
86.00	8101	185.00	17688	286.00	731	392.00	1236
87.00	4003	186.00	134144	287.00	75	393.00	162
88.00	1805	187.00	37688	288.00	311	395.00	252
89.00	924	188.00	4008	289.00	888	396.00	85
90.00	51	189.00	7919	290.00	807	397.00	269
91.00	7019	190.00	1488	291.00	632	401.00	1008
92.00	8180	191.00	4028	292.00	1371	402.00	7850
93.00	49464	192.00	12076	293.00	6009	403.00	10436
94.00	3453	193.00	12371	294.00	1425	404.00	3805
95.00	772	194.00	2752	295.00	309	405.00	716
96.00	2036	195.00	2263	296.00	82800	406.00	67
97.00	111	196.00	35104	297.00	11086	408.00	91
98.00	36192	198.00	1051136	298.00	933	409.00	77
99.00	28448	199.00	73576	299.00	109	410.00	358
100.00	2624	200.00	5485	301.00	1276	411.00	103
101.00	18488	201.00	6319	302.00	1714	412.00	75
102.00	992	203.00	6748	303.00	9766	414.00	66
103.00	5482	204.00	36720	304.00	2418	415.00	606
104.00	11190	205.00	62120	305.00	393	416.00	185
105.00	10331	206.00	253888	306.00	51	417.00	64
107.00	138880	207.00	32640	307.00	60	418.00	253

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27996.D\8270C SIM TAC023.rsl\spectra.d

Injection Date: 23-May-2012 13:24:30

Spectrum: Tune Spec: Scans 554-556(5.83-5.85) Bgrd 550(5.81)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 378

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	22720	208.00	7327	308.00	1216	419.00	90
110.00	264064	209.00	2908	309.00	874	420.00	220
111.00	38936	210.00	3446	310.00	898	421.00	9860
112.00	4488	211.00	10280	311.00	219	422.00	8927
113.00	1595	213.00	694	312.00	219	423.00	72288
114.00	508	214.00	339	313.00	875	424.00	16448
115.00	511	215.00	2471	314.00	4378	425.00	1883
116.00	6361	216.00	5943	315.00	9303	426.00	182
117.00	107248	217.00	65696	316.00	5131	427.00	121
118.00	7754	218.00	8996	317.00	1136	428.00	131
119.00	944	219.00	828	319.00	156	429.00	111
120.00	1847	221.00	71392	320.00	562	430.00	97
121.00	574	223.00	16262	321.00	2860	431.00	153
122.00	8447	224.00	145472	322.00	1637	432.00	218
123.00	13767	225.00	36536	323.00	30576	433.00	261
124.00	6099	226.00	2015	324.00	5883	434.00	272
125.00	6008	227.00	56048	325.00	669	435.00	408
127.00	514432	228.00	7462	326.00	675	436.00	352
128.00	40208	229.00	12868	327.00	5452	437.00	564
129.00	199360	230.00	1867	328.00	2921	438.00	783
130.00	17200	231.00	5110	329.00	510	439.00	977
131.00	3292	232.00	1008	330.00	256	441.00	213120
132.00	1622	233.00	1066	331.00	76	442.00	1382400
133.00	620	234.00	3658	332.00	2293	443.00	276032
134.00	5069	235.00	4442	333.00	2856	444.00	26664
135.00	14598	236.00	3138	334.00	19352	445.00	1712
136.00	6079	237.00	5339	335.00	4700		
137.00	7732	238.00	775	336.00	590		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D
 Lims ID: dftpp Client ID:
 Inject. Date: 25-May-2012 10:11:30 Dil. Factor: 1.0000
 Sample Type: DFTPP
 Sample ID: DFTPP
 Misc. Info.: 580-0023449-001 =580-0023449-001
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 112072 Lims Sample ID: 1
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:03 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb Date: 25-May-2012 16:13:03

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Pentachlorophenol_T	266	5.364	5.364	0.0	93	1181630	0	
33 DFTPP								
35 Benzidine_T	184	6.868	6.868	0.0	99	3779614	0	
36 4,4'-DDE	246	7.057	7.057	0.0	82	6273	0	
39 4,4'-DDD	235	7.421	7.421	0.0	79	93550	0	M
40 4,4'-DDT	235	7.720	7.720	0.0	98	2886631	0	

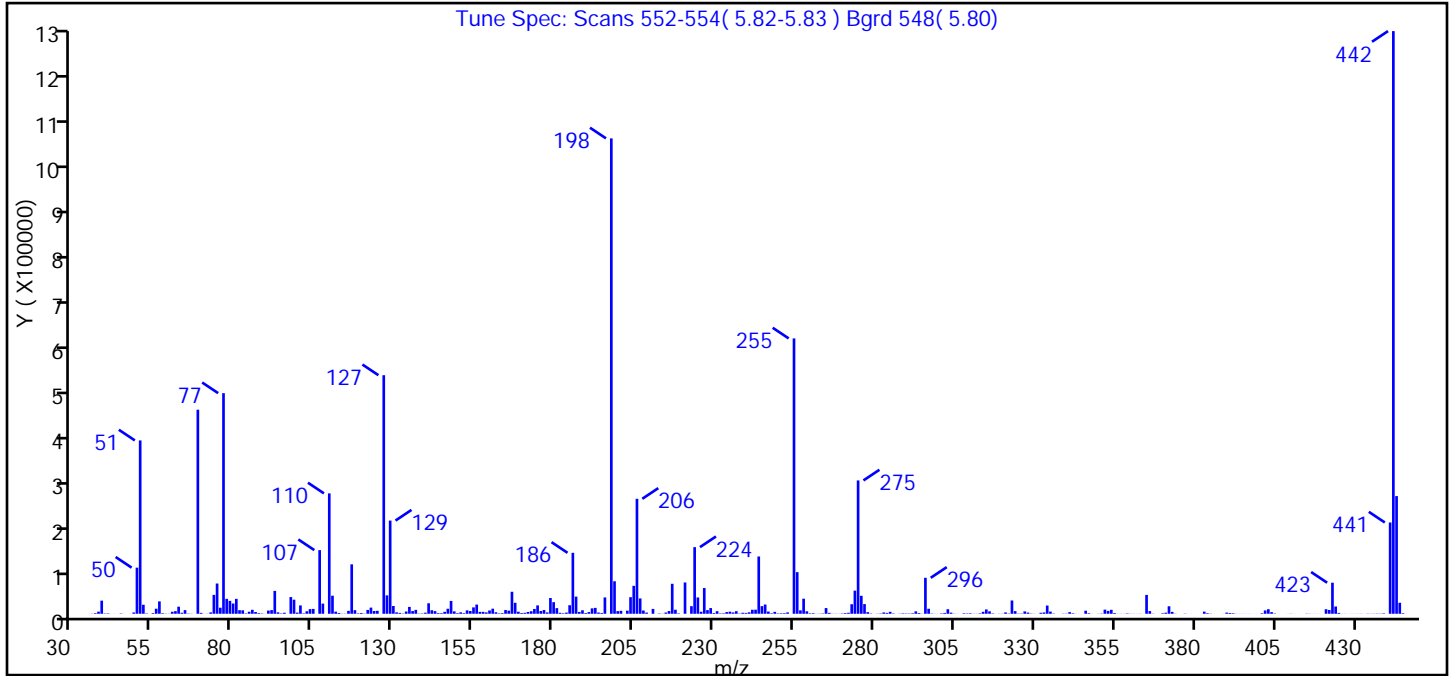
QC Flag Legend

Review Flags

M - Manually Integrated

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D
 Injection Date: 25-May-2012 10:11:30 Limit Group: 8270 SIM PAH, PCP
 Client ID: Instrument ID: TAC023
 Lims Batch ID: 112072 Lims Sample ID: 1
 Operator ID: bat Injection Vol: 1.00 ul
 Tune Method: DFTPP Method 525.2

33 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, or > 50% of mass 442	81.59 (81.59)
51	10.00 - 80.00% of mass 442	29.75
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	42.92
70	Less than 2.00% of mass 69	0.15 (0.43)
127	10.00 - 80.00% of mass 442	40.94
197	Less than 2.00% of mass 442	0.00
199	5.00 - 9.00% of mass 442	6.84
275	10.00 - 60.00% of mass 442	22.88
365	Greater than 1.00% of mass 442	3.23
441	Present, but less than mass 443%	15.67 (77.56)
442	Base Peak, or > 50% of mass 198	100.00
443	15.00 - 24.00% of mass 442	20.20 (20.20)

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D\8270C SIM TAC023.rsl\spectra.d
 Injection Date: 25-May-2012 10:11:30
 Spectrum: Tune Spec: Scans 552-554(5.82-5.83) Bgrd 548(5.80)
 Base Peak: 442.00
 Minimum % Base Peak: 0
 Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	360	138.00	594	238.00	652	334.00	18224
37.00	1436	139.00	768	239.00	2195	335.00	4797
38.00	4652	140.00	2356	240.00	1873	336.00	697
39.00	28992	141.00	23176	241.00	3243	339.00	439
40.00	787	142.00	7808	242.00	8876	340.00	498
41.00	860	143.00	5803	243.00	8993	341.00	3587
42.00	79	144.00	1534	244.00	126592	342.00	1157
43.00	115	145.00	1392	245.00	16848	343.00	237
45.00	775	146.00	4264	246.00	20448	344.00	60
46.00	126	147.00	11085	247.00	4883	346.00	6718
48.00	106	148.00	28360	248.00	1159	347.00	1331
49.00	2861	149.00	5247	249.00	4236	348.00	130
50.00	101904	150.00	1401	250.00	909	350.00	301
51.00	383104	151.00	3191	251.00	1218	351.00	590
52.00	19928	152.00	1395	252.00	1367	352.00	9165
53.00	846	153.00	7476	253.00	3059	353.00	6331
55.00	1561	154.00	6018	255.00	608512	354.00	8790
56.00	11185	155.00	14115	256.00	92016	355.00	1662
57.00	27360	156.00	20296	257.00	7562	356.00	195
58.00	1263	157.00	4213	258.00	33328	357.00	187
59.00	433	158.00	4198	259.00	5454	358.00	210
60.00	293	159.00	2953	260.00	1106	359.00	838
61.00	4394	160.00	7265	261.00	1270	360.00	300
62.00	5777	161.00	11248	262.00	207	361.00	268
63.00	15662	162.00	3339	263.00	418	362.00	163
64.00	2230	163.00	995	264.00	833	363.00	280
65.00	8080	164.00	1435	265.00	12600	365.00	41648
66.00	589	165.00	8207	266.00	2028	366.00	5924
67.00	331	166.00	6891	267.00	345	367.00	455
69.00	450944	167.00	48584	268.00	320	370.00	1198
70.00	1952	168.00	24200	269.00	280	371.00	2430
71.00	132	169.00	4455	270.00	779	372.00	16568
72.00	309	170.00	1747	271.00	1508	373.00	4168

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D\8270C SIM TAC023.rsl\spectra.d

Injection Date: 25-May-2012 10:11:30

Spectrum: Tune Spec: Scans 552-554(5.82-5.83) Bgrd 548(5.80)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	3014	171.00	2112	272.00	2253	374.00	362
74.00	41760	172.00	3994	273.00	21096	377.00	488
75.00	66848	173.00	5630	274.00	51128	378.00	68
76.00	13365	174.00	10626	275.00	294656	379.00	62
77.00	487552	175.00	18472	276.00	39720	382.00	57
78.00	32952	176.00	6117	277.00	21400	383.00	4699
79.00	28568	177.00	8270	278.00	3631	384.00	1354
80.00	22688	178.00	2978	279.00	685	385.00	379
81.00	32960	179.00	34872	280.00	69	386.00	64
82.00	7906	180.00	25672	281.00	347	389.00	170
83.00	7656	181.00	12461	282.00	703	390.00	2548
84.00	905	182.00	2166	283.00	2944	391.00	1718
85.00	4504	183.00	1210	284.00	1893	392.00	1221
86.00	8779	184.00	2625	285.00	4351	393.00	224
87.00	3904	185.00	18864	286.00	837	394.00	138
88.00	1464	186.00	134720	287.00	70	395.00	188
89.00	738	187.00	37888	288.00	426	396.00	124
90.00	125	188.00	4052	289.00	1021	397.00	150
91.00	7074	189.00	7703	290.00	763	398.00	59
92.00	8098	190.00	1647	291.00	695	399.00	53
93.00	50584	191.00	3731	292.00	1246	401.00	1301
94.00	3153	192.00	11946	293.00	5346	402.00	7350
95.00	876	193.00	13033	294.00	1670	403.00	10063
96.00	2289	194.00	2738	295.00	245	404.00	3630
98.00	36928	195.00	1774	296.00	79488	405.00	786
99.00	31096	196.00	36128	297.00	11070	409.00	94
100.00	2593	198.00	1050624	298.00	640	410.00	310
101.00	18440	199.00	71832	299.00	206	411.00	65
102.00	1046	200.00	5855	300.00	77	413.00	68
103.00	5535	201.00	6533	301.00	888	415.00	462
104.00	10274	203.00	6873	302.00	1801	416.00	295
105.00	10729	204.00	36664	303.00	10059	417.00	116
107.00	140672	205.00	61736	304.00	2520	418.00	131
108.00	22464	206.00	254080	305.00	372	419.00	132

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D\8270C SIM TAC023.rslt\spectra.d

Injection Date: 25-May-2012 10:11:30

Spectrum: Tune Spec: Scans 552-554(5.82-5.83) Bgrd 548(5.80)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
110.00	266048	207.00	33920	306.00	129	421.00	10071
111.00	39920	208.00	7199	308.00	1175	422.00	8396
112.00	4656	209.00	2624	309.00	829	423.00	68664
113.00	1756	211.00	10708	310.00	1191	424.00	16067
114.00	339	213.00	746	311.00	272	425.00	1851
115.00	387	214.00	335	312.00	291	426.00	184
116.00	6400	215.00	2712	313.00	1004	427.00	198
117.00	109248	216.00	6030	314.00	4337	428.00	50
118.00	7999	217.00	66248	315.00	9577	429.00	160
119.00	1043	218.00	8902	316.00	5419	430.00	131
120.00	1653	219.00	996	317.00	947	431.00	223
121.00	477	221.00	69184	318.00	126	432.00	236
122.00	8449	223.00	16752	319.00	314	433.00	65
123.00	13630	224.00	147264	320.00	385	434.00	416
124.00	6127	225.00	36064	321.00	2971	435.00	291
125.00	6481	226.00	4447	322.00	676	436.00	381
127.00	527232	227.00	56872	323.00	29376	437.00	519
128.00	40640	228.00	8099	324.00	5839	438.00	461
129.00	205952	229.00	12588	325.00	536	439.00	1019
130.00	17200	230.00	1628	326.00	665	441.00	201728
131.00	3122	231.00	5656	327.00	5190	442.00	1287680
132.00	1871	232.00	893	328.00	2741	443.00	260096
133.00	650	233.00	1129	329.00	579	444.00	24320
134.00	5013	234.00	3700	330.00	187	445.00	1375
135.00	15204	235.00	4632	331.00	70	446.00	53
136.00	6052	236.00	2952	332.00	2170		
137.00	8632	237.00	5626	333.00	2980		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-111171/1-A
 Matrix: Water Lab File ID: HP27998.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3520C Date Extracted: 05/11/2012 11:38
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/23/2012 13:58
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 111929 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	72		20-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27998.D
 Lims ID: MB 580-111171/1-A Client ID:
 Inject. Date: 23-May-2012 13:58:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: mb 580-111171/1-a
 Misc. Info.: 580-0023402-003 =580-0023402-003
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 111929 Lims Sample ID: 3
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120523-23402.b\8270C SIM TAC023.m
 Last Update: 24-May-2012 16:22:55 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-19

First Level Reviewer: tadesseb

Date: 24-May-2012 16:24:02

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.848	3.859	-0.011	1	17455	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	45672	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	25109	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	40032	98.0	
* 5 Chrysene-d12	240	9.710	9.709	0.001	1	45619	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	31808	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	144084	958.0	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	272482	720.2	
\$ 51 2,4,6-Tribromophenol	330	6.918	6.918	0.0	0	73328	1211.7	M
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	313265	723.1	
27 2-Methylnaphthalene	141	5.406	5.415	-0.009	1	850	2.84	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	630	2.09	
37 Phenanthrene	178	7.510	7.510	0.0	1	735	1.47	
38 Anthracene	178	7.550	7.550	0.0	1	131	0.2649	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 24-May-2012 16:24:02

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

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27998.D

Injection Date: 23-May-2012 13:58:30

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

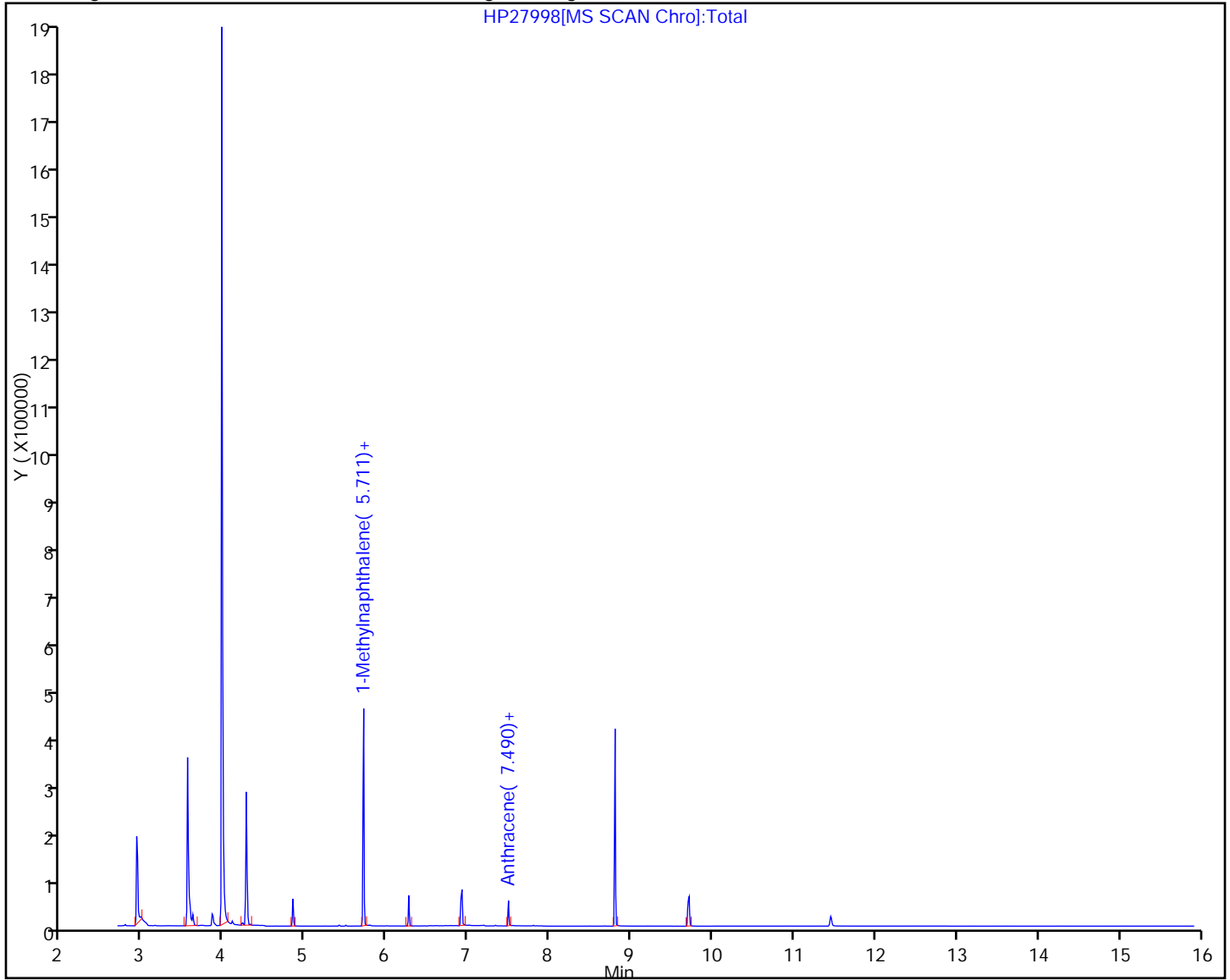
Lims Batch ID: 111929

Lims Sample ID: 3

Operator ID: bat

Injection Vol: 1.00 ul

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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-111684/1-A
 Matrix: Solid Lab File ID: HP28006.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:29
 Sample wt/vol: 20(g) Date Analyzed: 05/25/2012 11:51
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	ND		0.50	0.20
91-57-6	2-Methylnaphthalene	ND		0.50	0.20
90-12-0	1-Methylnaphthalene	ND		0.50	0.15
208-96-8	Acenaphthylene	ND		0.50	0.15
83-32-9	Acenaphthene	ND		0.50	0.15
86-73-7	Fluorene	ND		0.50	0.15
85-01-8	Phenanthrene	ND		0.50	0.15
120-12-7	Anthracene	ND		0.50	0.15
206-44-0	Fluoranthene	ND		0.50	0.15
129-00-0	Pyrene	ND		0.50	0.15
56-55-3	Benzo[a]anthracene	ND		0.50	0.15
218-01-9	Chrysene	ND		0.50	0.15
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.15
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.15
50-32-8	Benzo[a]pyrene	ND		0.50	0.15
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.15
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.15
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	74		42-151

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28006.D
 Lims ID: MB 580-111684/1-A Client ID:
 Inject. Date: 25-May-2012 11:51:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: mb 580-111684/1-a
 Misc. Info.: 580-0023449-003 =580-0023449-003
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 112072 Lims Sample ID: 3
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb Date: 25-May-2012 16:14:24

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	17886	95.6	
* 2 Naphthalene-d8	136	4.846	4.839	0.007	1	46569	95.2	
* 3 Acenaphthene-d10	164	6.272	6.264	0.008	1	25232	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	39169	98.0	
* 5 Chrysene-d12	240	9.716	9.709	0.007	1	40860	98.1	
* 6 Perylene-d12	264	11.456	11.448	0.008	1	28574	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	138839	905.3	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	298406	784.8	
\$ 51 2,4,6-Tribromophenol	330	6.918	6.918	0.0	0	89731	1453.5	M
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	313064	738.5	
27 2-Methylnaphthalene	141	5.415	5.415	0.0	1	204	0.6683	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	158	0.5145	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 25-May-2012 16:14:25

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

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28006.D

Injection Date: 25-May-2012 11:51:30

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

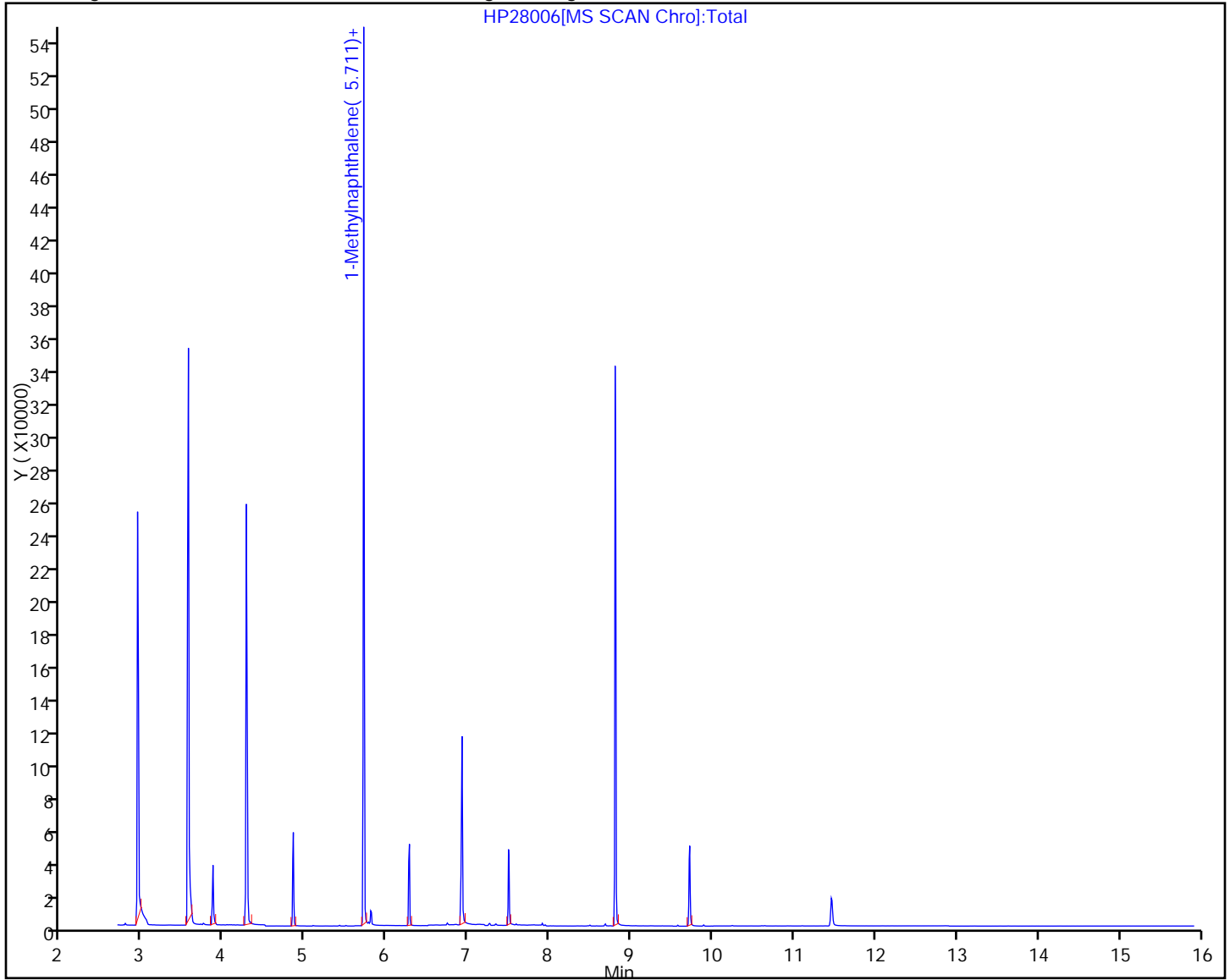
Lims Batch ID: 112072

Lims Sample ID: 3

Operator ID: bat

Injection Vol: 1.00 ul

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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-111171/2-A
 Matrix: Water Lab File ID: HP27999.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3520C Date Extracted: 05/11/2012 11:38
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/23/2012 14:20
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 111929 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	10.0		0.10	0.036
91-57-6	2-Methylnaphthalene	9.58		0.13	0.030
90-12-0	1-Methylnaphthalene	9.67		0.10	0.030
208-96-8	Acenaphthylene	10.7		0.10	0.030
83-32-9	Acenaphthene	10.2		0.10	0.030
86-73-7	Fluorene	10.7		0.10	0.030
85-01-8	Phenanthrene	10.2		0.10	0.030
120-12-7	Anthracene	9.53		0.10	0.030
206-44-0	Fluoranthene	10.3		0.10	0.030
129-00-0	Pyrene	9.98		0.10	0.030
56-55-3	Benzo[a]anthracene	10.2		0.10	0.030
218-01-9	Chrysene	9.96		0.10	0.030
205-99-2	Benzo[b]fluoranthene	9.75		0.10	0.030
207-08-9	Benzo[k]fluoranthene	11.3		0.10	0.030
50-32-8	Benzo[a]pyrene	9.55		0.20	0.030
193-39-5	Indeno[1,2,3-cd]pyrene	10.9		0.10	0.030
53-70-3	Dibenz(a,h)anthracene	11.1		0.10	0.030
191-24-2	Benzo[g,h,i]perylene	10.5		0.10	0.030

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27999.D
 Lims ID: LCS 580-111171/2-A Client ID:
 Inject. Date: 23-May-2012 14:20:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: lcs 580-111171/2-a
 Misc. Info.: 580-0023402-004 =580-0023402-004
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 14
 Lims Batch ID: 111929 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120523-23402.b\8270C SIM TAC023.m
 Last Update: 24-May-2012 16:22:55 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-19

First Level Reviewer: tadesseb

Date: 24-May-2012 16:25:33

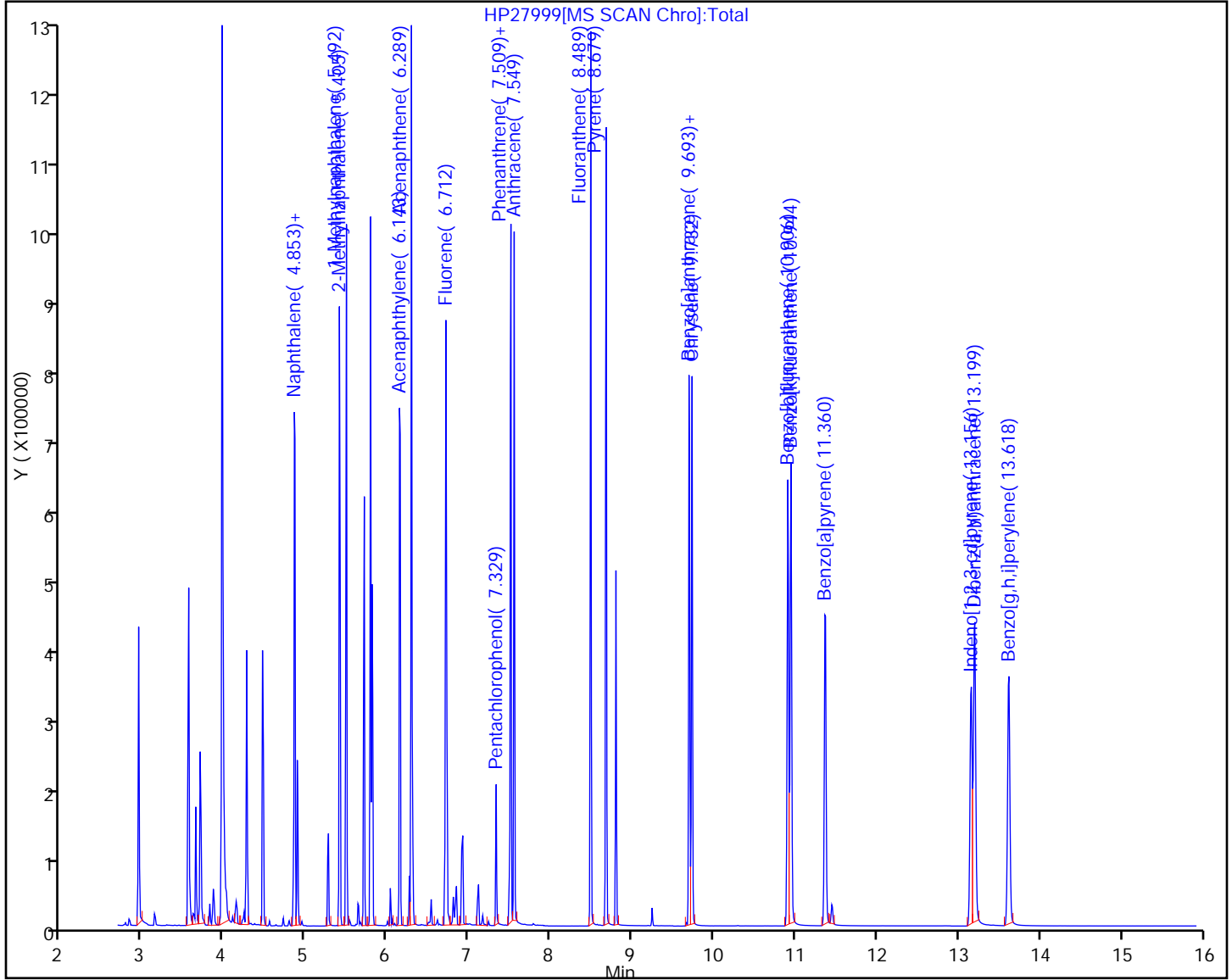
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.870	3.859	0.011	1	37209	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	49290	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	28034	98.0	
* 4 Phenanthrene-d10	188	7.489	7.490	-0.001	1	43942	98.0	
* 5 Chrysene-d12	240	9.706	9.709	-0.003	1	51614	98.1	
* 6 Perylene-d12	264	11.445	11.448	-0.003	1	40234	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	175137	1078.9	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	345064	816.8	
\$ 51 2,4,6-Tribromophenol	330	6.918	6.918	0.0	0	119774	1718.2	M
\$ 12 Terphenyl-d14	244	8.798	8.799	-0.001	1	356850	750.4	
26 Naphthalene	128	4.860	4.860	0.0	1	555134	1003.1	
27 2-Methylnaphthalene	141	5.405	5.415	-0.010	1	309483	957.9	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	314445	967.3	
31 Acenaphthylene	152	6.143	6.151	-0.008	1	556276	1065.9	
29 Acenaphthene	153	6.289	6.289	0.0	3	358087	1016.3	
32 Fluorene	166	6.712	6.712	0.0	1	389902	1067.5	
52 Pentachlorophenol	266	7.329	7.329	0.0	0	67648	1147.7	M
37 Phenanthrene	178	7.509	7.510	-0.001	1	561673	1020.0	
38 Anthracene	178	7.549	7.550	-0.001	1	517319	953.1	
42 Fluoranthene	202	8.489	8.490	-0.001	1	620972	1026.6	
41 Pyrene	202	8.679	8.680	-0.001	41	628004	997.8	
44 Benzo[a]anthracene	228	9.693	9.697	-0.004	1	590461	1018.8	
43 Chrysene	228	9.732	9.735	-0.003	1	598922	995.6	
45 Benzo[b]fluoranthene	252	10.906	10.909	-0.003	1	549276	975.4	
46 Benzo[k]fluoranthene	252	10.944	10.948	-0.004	1	647102	1134.6	
47 Benzo[a]pyrene	252	11.360	11.371	-0.011	1	479671	954.5	
50 Indeno[1,2,3-cd]pyrene	276	13.156	13.159	-0.003	1	495094	1087.2	M
49 Dibenz(a,h)anthracene	278	13.199	13.202	-0.003	1	531836	1108.6	
51 Benzo[g,h,i]perylene	276	13.618	13.621	-0.003	1	524219	1052.6	

QC Flag Legend

Review Flags

M - Manually Integrated

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

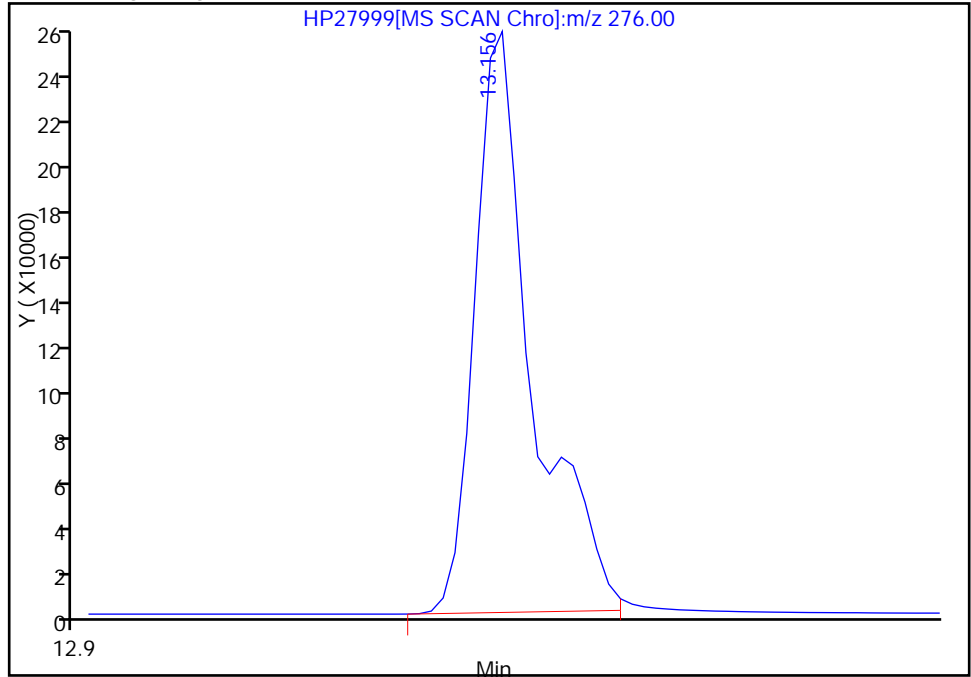


Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27999.D
Injection Date: 23-May-2012 14:20:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 111929 Lims Sample ID: 4
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.16

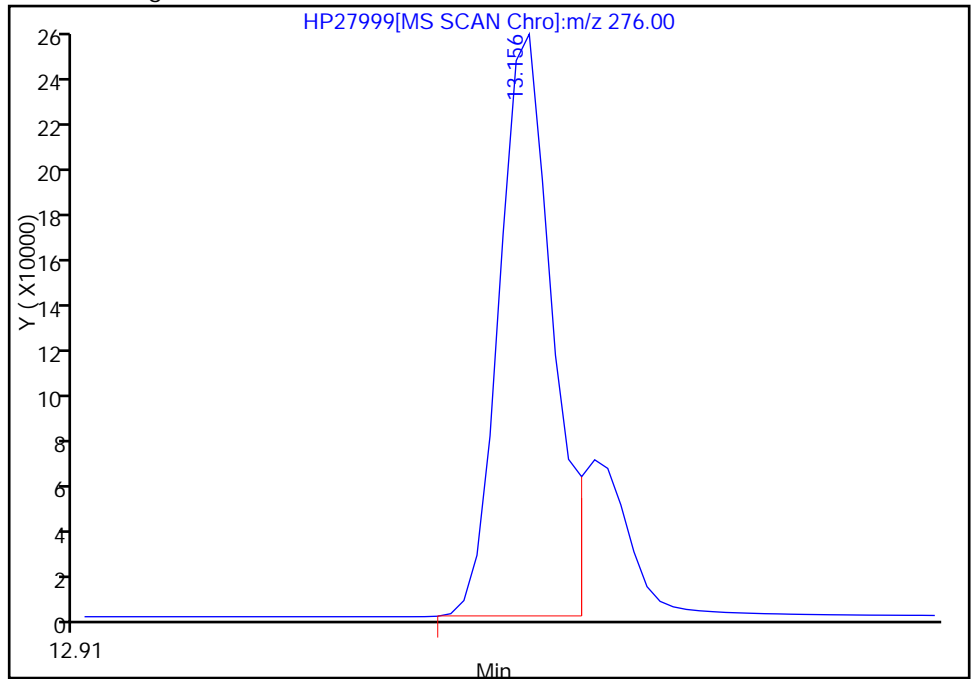
RT: 13.16
Response: 598612
Amount: 1314.5136

Processing Integration Results



RT: 13.16
Response: 495094
Amount: 1087.1947

Manual Integration Results



Reviewer: tadesseb, 24-May-2012 16:25:33
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-111684/2-A
 Matrix: Solid Lab File ID: HP28007.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:29
 Sample wt/vol: 20(g) Date Analyzed: 05/25/2012 12:12
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	89.4		0.50	0.20
91-57-6	2-Methylnaphthalene	85.5		0.50	0.20
90-12-0	1-Methylnaphthalene	85.5		0.50	0.15
208-96-8	Acenaphthylene	93.6		0.50	0.15
83-32-9	Acenaphthene	89.6		0.50	0.15
86-73-7	Fluorene	91.6		0.50	0.15
85-01-8	Phenanthrene	90.4		0.50	0.15
120-12-7	Anthracene	88.1		0.50	0.15
206-44-0	Fluoranthene	94.7		0.50	0.15
129-00-0	Pyrene	93.5		0.50	0.15
56-55-3	Benzo[a]anthracene	93.6		0.50	0.15
218-01-9	Chrysene	90.5		0.50	0.15
205-99-2	Benzo[b]fluoranthene	97.1		0.50	0.15
207-08-9	Benzo[k]fluoranthene	109		0.50	0.15
50-32-8	Benzo[a]pyrene	97.4		0.50	0.15
193-39-5	Indeno[1,2,3-cd]pyrene	84.6		0.50	0.15
53-70-3	Dibenz(a,h)anthracene	87.8		0.50	0.15
191-24-2	Benzo[g,h,i]perylene	80.9		0.50	0.15

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28007.D
 Lims ID: LCS 580-111684/2-A Client ID:
 Inject. Date: 25-May-2012 12:12:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: lcs 580-111684/2-a
 Misc. Info.: 580-0023449-004 =580-0023449-004
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 112072 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb

Date: 25-May-2012 16:14:55

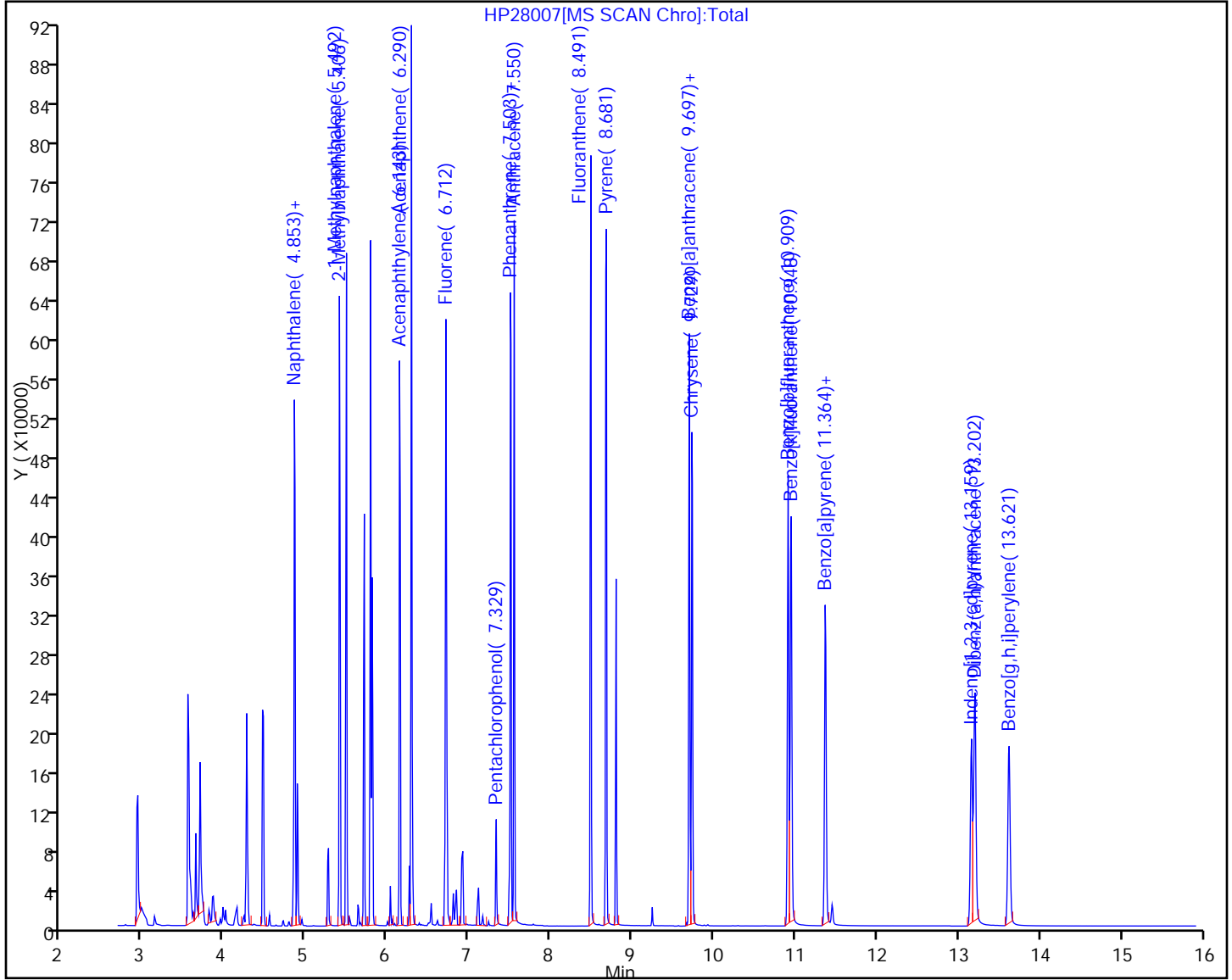
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	34419	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	42276	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	23915	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	36002	98.0	
* 5 Chrysene-d12	240	9.710	9.709	0.001	1	42854	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	29429	98.9	
\$ 9 Nitrobenzene-d5	82	4.269	4.268	0.001	1	121569	873.2	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	259608	720.4	
\$ 51 2,4,6-Tribromophenol	330	6.919	6.918	0.001	0	78320	1347.3	M
\$ 12 Terphenyl-d14	244	8.800	8.799	0.001	1	270816	695.1	
26 Naphthalene	128	4.853	4.860	-0.007	1	424542	894.4	
27 2-Methylnaphthalene	141	5.406	5.415	-0.009	1	236810	854.5	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	238364	854.9	
31 Acenaphthylene	152	6.143	6.143	0.0	1	416778	936.1	
29 Acenaphthene	153	6.290	6.289	0.001	3	269252	895.8	
32 Fluorene	166	6.712	6.712	0.0	1	285296	915.7	
52 Pentachlorophenol	266	7.329	7.329	0.0	0	43004	874.2	M
37 Phenanthrene	178	7.503	7.510	-0.007	1	407779	903.8	
38 Anthracene	178	7.550	7.550	0.0	1	391608	880.6	
42 Fluoranthene	202	8.491	8.490	0.0	1	469549	947.5	
41 Pyrene	202	8.681	8.680	0.001	41	481895	934.5	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	450320	935.8	
43 Chrysene	228	9.729	9.729	0.0	1	451871	904.7	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	399787	970.6	
46 Benzo[k]fluoranthene	252	10.948	10.948	0.0	1	455105	1090.9	
47 Benzo[a]pyrene	252	11.364	11.364	0.0	1	358135	974.3	
50 Indeno[1,2,3-cd]pyrene	276	13.159	13.152	0.007	1	281836	846.1	M
49 Dibenz(a,h)anthracene	278	13.202	13.202	0.0	1	307909	877.5	
51 Benzo[g,h,i]perylene	276	13.621	13.621	0.0	1	294549	808.6	

QC Flag Legend

Review Flags

M - Manually Integrated

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

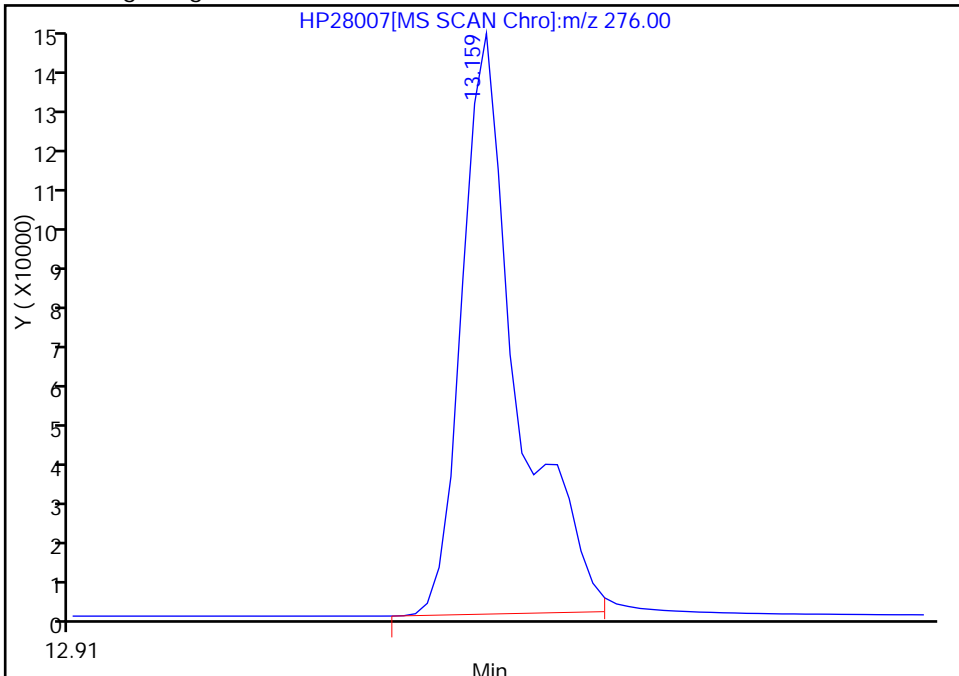


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28007.D
Injection Date: 25-May-2012 12:12:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 4
Operator ID: bat Injection Vol: 1.00 ul

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

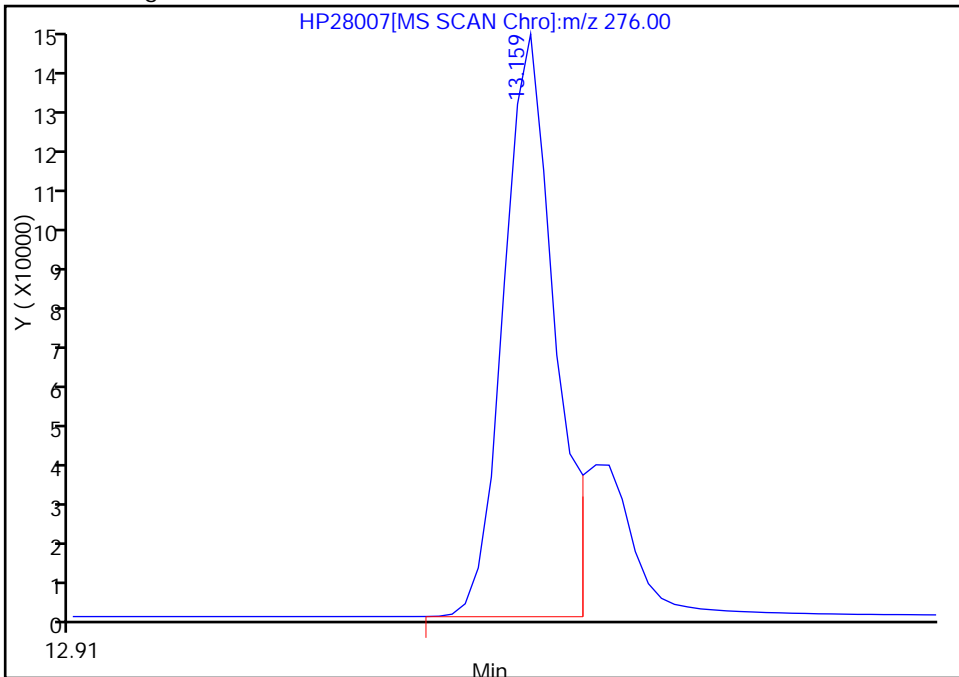
RT: 13.16
Response: 342665
Amount: 1028.7436

Processing Integration Results



RT: 13.16
Response: 281836
Amount: 846.1237

Manual Integration Results



Reviewer: tadesseb, 25-May-2012 12:52:38
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-111171/3-A
 Matrix: Water Lab File ID: HP28000.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3520C Date Extracted: 05/11/2012 11:39
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/23/2012 14:42
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 111929 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	9.65		0.10	0.036
91-57-6	2-Methylnaphthalene	9.23		0.13	0.030
90-12-0	1-Methylnaphthalene	9.48		0.10	0.030
208-96-8	Acenaphthylene	10.2		0.10	0.030
83-32-9	Acenaphthene	9.71		0.10	0.030
86-73-7	Fluorene	9.71		0.10	0.030
85-01-8	Phenanthrene	9.86		0.10	0.030
120-12-7	Anthracene	9.06		0.10	0.030
206-44-0	Fluoranthene	10.1		0.10	0.030
129-00-0	Pyrene	9.89		0.10	0.030
56-55-3	Benzo[a]anthracene	10.1		0.10	0.030
218-01-9	Chrysene	9.71		0.10	0.030
205-99-2	Benzo[b]fluoranthene	10.4		0.10	0.030
207-08-9	Benzo[k]fluoranthene	11.2		0.10	0.030
50-32-8	Benzo[a]pyrene	9.56		0.20	0.030
193-39-5	Indeno[1,2,3-cd]pyrene	9.92		0.10	0.030
53-70-3	Dibenz(a,h)anthracene	9.92		0.10	0.030
191-24-2	Benzo[g,h,i]perylene	9.27		0.10	0.030

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP28000.D
 Lims ID: LCSD 580-111171/3-A Client ID:
 Inject. Date: 23-May-2012 14:42:30 Dil. Factor: 1.0000
 Sample Type: LCSD
 Sample ID: lcsd 580-111171/3-a
 Misc. Info.: 580-0023402-005 =580-0023402-005
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 15
 Lims Batch ID: 111929 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120523-23402.b\8270C SIM TAC023.m
 Last Update: 24-May-2012 16:30:08 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-19

First Level Reviewer: tadesseb

Date: 24-May-2012 16:30:08

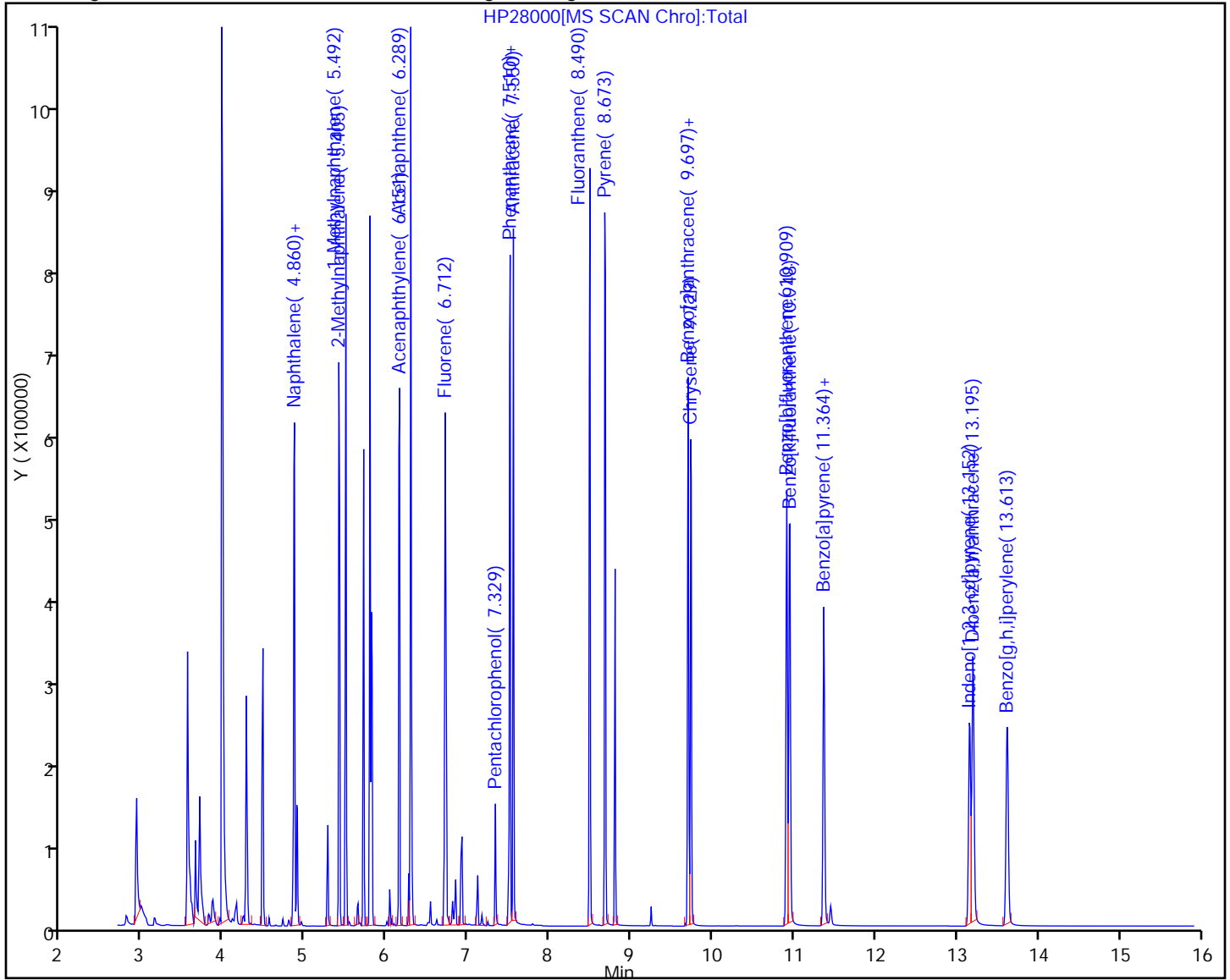
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	32142	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	42989	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	24476	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	37525	98.0	
* 5 Chrysene-d12	240	9.709	9.709	0.0	1	43172	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	31349	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	145668	1028.9	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	298163	808.4	
\$ 51 2,4,6-Tribromophenol	330	6.918	6.918	0.0	0	94971	1574.2	M
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	306187	753.9	
26 Naphthalene	128	4.860	4.860	0.0	1	465873	965.2	
27 2-Methylnaphthalene	141	5.405	5.415	-0.010	1	260079	922.9	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	268644	947.6	
31 Acenaphthylene	152	6.151	6.151	0.0	1	464959	1020.4	
29 Acenaphthene	153	6.289	6.289	0.0	4	298842	971.5	
32 Fluorene	166	6.712	6.712	0.0	1	309626	971.0	
52 Pentachlorophenol	266	7.329	7.329	0.0	0	48357	954.2	M
37 Phenanthrene	178	7.510	7.510	0.0	1	463448	985.5	
38 Anthracene	178	7.550	7.550	0.0	1	420154	906.4	
42 Fluoranthene	202	8.490	8.490	0.0	1	521299	1009.2	
41 Pyrene	202	8.680	8.680	0.0	41	531327	988.6	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	488840	1008.4	
43 Chrysene	228	9.729	9.735	-0.006	1	488627	971.1	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	454159	1035.1	
46 Benzo[k]fluoranthene	252	10.940	10.948	-0.008	1	496731	1117.8	
47 Benzo[a]pyrene	252	11.364	11.371	-0.007	1	374357	956.1	
50 Indeno[1,2,3-cd]pyrene	276	13.152	13.159	-0.007	1	351883	991.7	M
49 Dibenz(a,h)anthracene	278	13.195	13.202	-0.007	1	370837	992.1	
51 Benzo[g,h,i]perylene	276	13.621	13.621	0.0	1	359860	927.3	

QC Flag Legend

Review Flags

M - Manually Integrated

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

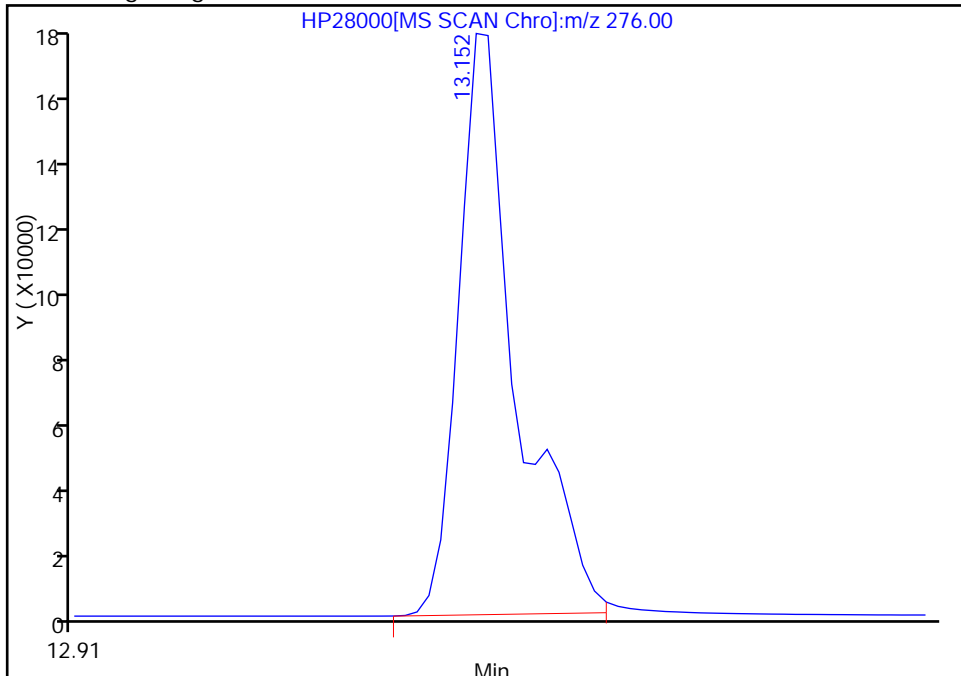


Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP28000.D
Injection Date: 23-May-2012 14:42:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 111929 Lims Sample ID: 5
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.16

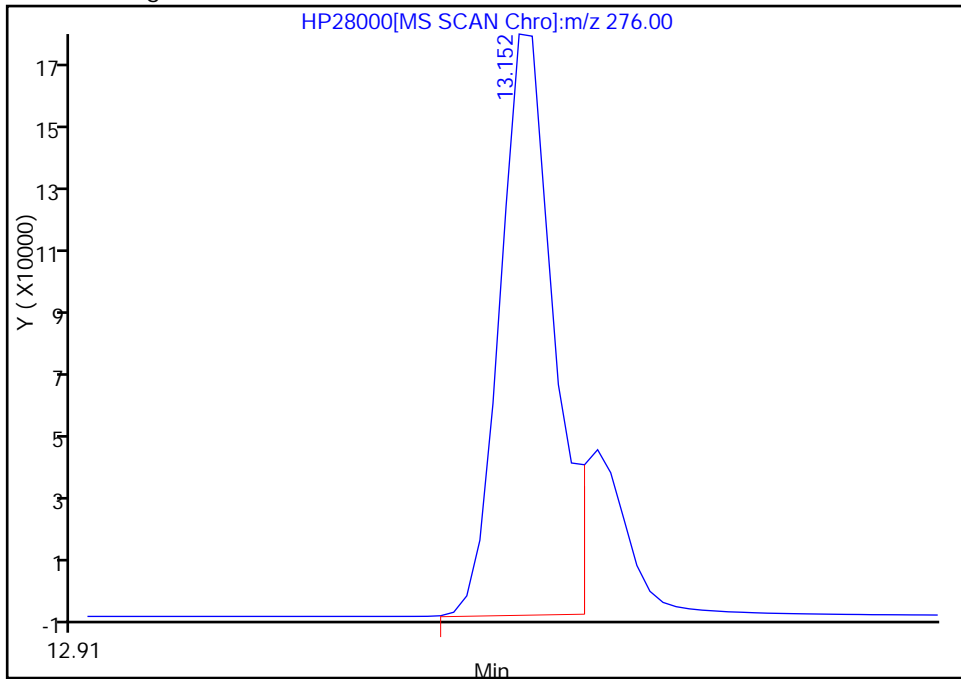
RT: 13.15
Response: 422161
Amount: 1189.7818

Processing Integration Results



RT: 13.15
Response: 351883
Amount: 991.7164

Manual Integration Results



Reviewer: tadesseb, 24-May-2012 16:30:08
Audit Action: Manually Integrated
Audit Reason: Baseline

GC/MS SEMI VOA ANALYSIS RUN LOG

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

SDG No.: _____

Instrument ID: TAC023 Start Date: 04/26/2012 15:32Analysis Batch Number: 110125 End Date: 04/26/2012 19:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-110125/1		04/26/2012 15:32	1	HP27813.D	ZB-5MS 0.25 (mm)
IC 580-110125/3		04/26/2012 16:06	1	HP27815.D	ZB-5MS 0.25 (mm)
IC 580-110125/4		04/26/2012 16:28	1	HP27816.D	ZB-5MS 0.25 (mm)
IC 580-110125/5		04/26/2012 16:50	1	HP27817.D	ZB-5MS 0.25 (mm)
IC 580-110125/6		04/26/2012 17:11	1	HP27818.D	ZB-5MS 0.25 (mm)
ICIS 580-110125/7		04/26/2012 17:33	1	HP27819.D	ZB-5MS 0.25 (mm)
IC 580-110125/8		04/26/2012 17:55	1	HP27820.D	ZB-5MS 0.25 (mm)
IC 580-110125/9		04/26/2012 18:16	1	HP27821.D	ZB-5MS 0.25 (mm)
IC 580-110125/10		04/26/2012 18:38	1	HP27822.D	ZB-5MS 0.25 (mm)
ICV 580-110125/11		04/26/2012 19:00	1	HP27823.D	ZB-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

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

SDG No.: _____

Instrument ID: TAC023 Start Date: 05/23/2012 13:24Analysis Batch Number: 111929 End Date: 05/23/2012 15:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-111929/1		05/23/2012 13:24	1	HP27996.D	ZB-5MS 0.25 (mm)
CCVIS 580-111929/2		05/23/2012 13:37	1	HP27997.D	ZB-5MS 0.25 (mm)
MB 580-111171/1-A		05/23/2012 13:58	1	HP27998.D	ZB-5MS 0.25 (mm)
LCS 580-111171/2-A		05/23/2012 14:20	1	HP27999.D	ZB-5MS 0.25 (mm)
LCSD 580-111171/3-A		05/23/2012 14:42	1	HP28000.D	ZB-5MS 0.25 (mm)
580-32803-54	JW-RB-120507	05/23/2012 15:04	1	HP28001.D	ZB-5MS 0.25 (mm)
580-32803-55	JW-FB-120507	05/23/2012 15:25	1	HP28002.D	ZB-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

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

SDG No.: _____

Instrument ID: TAC023 Start Date: 05/25/2012 10:11Analysis Batch Number: 112072 End Date: 05/25/2012 15:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-112072/1		05/25/2012 10:11	1	HP28004.D	ZB-5MS 0.25 (mm)
CCVIS 580-112072/2		05/25/2012 10:24	1	HP28005.D	ZB-5MS 0.25 (mm)
MB 580-111684/1-A		05/25/2012 11:51	1	HP28006.D	ZB-5MS 0.25 (mm)
LCS 580-111684/2-A		05/25/2012 12:12	1	HP28007.D	ZB-5MS 0.25 (mm)
580-32803-7	JW-EA58-COMP-120507	05/25/2012 12:34	1	HP28008.D	ZB-5MS 0.25 (mm)
580-32803-10	JW-EA08-COMP-120507	05/25/2012 12:56	1	HP28009.D	ZB-5MS 0.25 (mm)
580-32803-21	JW-EA10-COMP-120507	05/25/2012 13:17	1	HP28010.D	ZB-5MS 0.25 (mm)
580-32803-46	JW-EA01-COMP-120507	05/25/2012 13:39	1	HP28011.D	ZB-5MS 0.25 (mm)
580-32803-53	JW-EA09-COMP-120507	05/25/2012 14:01	1	HP28012.D	ZB-5MS 0.25 (mm)
ZZZZZ		05/25/2012 14:22	1		ZB-5MS 0.25 (mm)
ZZZZZ		05/25/2012 14:44	1		ZB-5MS 0.25 (mm)
ZZZZZ		05/25/2012 15:06	1		ZB-5MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

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

SDG No.: _____

Batch Number: 111171 Batch Start Date: 05/11/12 11:38 Batch Analyst: DeMonnin, Robert

Batch Method: 3520C Batch End Date: 05/14/12 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	FirstAdjustpH	8270flspk 00109	8270Surr 00043
MB 580-111171/1		3520C, 8270C SIM		6	1000 mL	10 mL	<2		100 uL
LCS 580-111171/2		3520C, 8270C SIM		6	1000 mL	10 mL	<2	500 uL	100 uL
LCSD 580-111171/3		3520C, 8270C SIM		6	1000 mL	10 mL	<2	500 uL	100 uL
580-32803-A-54	JW-RB-120507	3520C, 8270C SIM	T	6	1000 mL	10 mL	<2		100 uL
580-32803-A-55	JW-FB-120507	3520C, 8270C SIM	T	6	1040 mL	10 mL	<2		100 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 580-111171/1		3520C, 8270C SIM							
LCS 580-111171/2		3520C, 8270C SIM							
LCSD 580-111171/3		3520C, 8270C SIM							
580-32803-A-54	JW-RB-120507	3520C, 8270C SIM	T	SIM					
580-32803-A-55	JW-FB-120507	3520C, 8270C SIM	T	SIM					

GC/MS SEMI VOA BATCH WORKSHEET

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

SDG No.: _____

Batch Number: 111171 Batch Start Date: 05/11/12 11:38 Batch Analyst: DeMonnin, Robert

Batch Method: 3520C Batch End Date: 05/14/12 16:00

Batch Notes	
Acid used for pH adjustment	H2SO4
Acid used for pH adjust Lot #	867004
Person's name who did the concentration	Bob
Filter Paper Lot Number	781559
Time the first extraction ended 24hr	5-12-12@1000
Time the first extraction started 24 hr	5-11-12@1600
Na2SO4 Lot Number	832170
Prep Solvent Lot #	900007
Prep Solvent Name	DCM
Prep Solvent Volume Used	220 mL
Person's name who did the prep	Bob
Sufficient volume for MS/MSD?	no
ID number of the thermometer	15-041-1a-3
Uncorrected Temperature	70-75 Celsius
Water Bath ID	tac603
Water Bath Temperature	69-74 Celsius

Basis	Basis Description
T	Total/NA

GC/MS SEMI VOA BATCH WORKSHEET

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

SDG No.: _____

Batch Number: 111684 Batch Start Date: 05/18/12 14:29 Batch Analyst: Palmer, SonyaBatch Method: 3550B Batch End Date: 05/21/12 12:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8270 ARC Surr 00003	8270LLflspk 00005		
MB 580-111684/1		3550B, 8270C SIM		20 g	2 mL	100 uL			
LCS 580-111684/2		3550B, 8270C SIM		20 g	2 mL	100 uL	500 uL		
580-32803-D-7	JW-EA58-COMP-120 507	3550B, 8270C SIM	T	20.2181 g	2 mL	100 uL			
580-32803-E-10	JW-EA08-COMP-120 507	3550B, 8270C SIM	T	20.5920 g	2 mL	100 uL			
580-32803-E-21	JW-EA10-COMP-120 507	3550B, 8270C SIM	T	20.6582 g	2 mL	100 uL			
580-32803-D-46	JW-EA01-COMP-120 507	3550B, 8270C SIM	T	20.0905 g	2 mL	100 uL			
580-32803-E-53	JW-EA09-COMP-120 507	3550B, 8270C SIM	T	20.1528 g	2 mL	100 uL			

Batch Notes	
Acid used for Clean Up Reagent	861553
Balance ID	SEA222
Blank Soil Lot Number	817693
Person's name who did the concentration	spalmer
Na2SO4 Lot Number	832174
Prep Solvent Lot #	900005
Prep Solvent Name	DCM
Prep Solvent Volume Used	10 (verified volumetrically) mL
Person's name who did the prep	spalmer
ID number of the thermometer	101696187
Uncorrected Temperature	51.3-61.3 Celsius
Vendor of Reagent used	JTB
Water Bath ID	WB1
Water Bath Temperature	50.8-60.8 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle

Job Number: 580-32803-1

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID	Lab Sample ID
JW-EA58-COMP-120507	580-32803-7
JW-EA08-COMP-120507	580-32803-10
JW-EA06-COMP-120507	580-32803-15
JW-EA10-SS39-120507	580-32803-16
JW-EA10-SS41-120507	580-32803-17
JW-EA10-SS40-120507	580-32803-18
JW-EA10-SS43-120507	580-32803-19
JW-EA10-SS42-120507	580-32803-20
JW-EA10-COMP-120507	580-32803-21
JW-EA07-COMP-120507	580-32803-26
JW-EA03-COMP-120507	580-32803-30
JW-EA02-COMP-120507	580-32803-36
JW-EA04-COMP-120507	580-32803-41
JW-EA01-SS03-120507	580-32803-42
JW-EA01-SS04-120507	580-32803-43
JW-EA01-SS01-120507	580-32803-44
JW-EA01-SS02-120507	580-32803-45
JW-EA01-COMP-120507	580-32803-46
JW-EA09-COMP-120507	580-32803-53

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington

Job Number: 580-32803-1

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID	Lab Sample ID
JW-EA58-COMP-120507	580-32803-7
JW-EA08-COMP-120507	580-32803-10
JW-EA06-COMP-120507	580-32803-15
JW-EA10-SS39-120507	580-32803-16
JW-EA10-SS41-120507	580-32803-17
JW-EA10-SS40-120507	580-32803-18
JW-EA10-SS43-120507	580-32803-19
JW-EA10-SS42-120507	580-32803-20
JW-EA10-COMP-120507	580-32803-21
JW-EA07-COMP-120507	580-32803-26
JW-EA03-COMP-120507	580-32803-30
JW-EA02-COMP-120507	580-32803-36
JW-EA04-COMP-120507	580-32803-41
JW-EA01-SS03-120507	580-32803-42
JW-EA01-SS04-120507	580-32803-43
JW-EA01-SS01-120507	580-32803-44
JW-EA01-SS02-120507	580-32803-45
JW-EA01-COMP-120507	580-32803-46
JW-EA09-COMP-120507	580-32803-53

Comments:

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA58-COMP-120507

Lab Sample ID: 580-32803-7

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:10

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	28000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA08-COMP-120507

Lab Sample ID: 580-32803-10

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:28

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	29000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA06-COMP-120507

Lab Sample ID: 580-32803-15

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 16:00

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	19000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS39-120507

Lab Sample ID: 580-32803-16

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 10:25

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	24000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS41-120507

Lab Sample ID: 580-32803-17

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:44

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	28000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS40-120507

Lab Sample ID: 580-32803-18

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:34

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	25000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS43-120507

Lab Sample ID: 580-32803-19

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:20

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	23000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS42-120507

Lab Sample ID: 580-32803-20

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 09:03

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	16000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-COMP-120507

Lab Sample ID: 580-32803-21

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 16:14

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	20000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA07-COMP-120507

Lab Sample ID: 580-32803-26

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 16:33

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	31000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA03-COMP-120507

Lab Sample ID: 580-32803-30

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 16:53

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	25000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA02-COMP-120507

Lab Sample ID: 580-32803-36

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 17:10

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	28000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA04-COMP-120507

Lab Sample ID: 580-32803-41

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 17:15

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	17000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-SS03-120507

Lab Sample ID: 580-32803-42

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:10

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	19000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-SS04-120507

Lab Sample ID: 580-32803-43

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:00

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	27000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-SS01-120507

Lab Sample ID: 580-32803-44

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:22

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	29000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-SS02-120507

Lab Sample ID: 580-32803-45

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:15

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	39000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-COMP-120507

Lab Sample ID: 580-32803-46

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 17:39

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	28000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA09-COMP-120507

Lab Sample ID: 580-32803-53

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 18:03

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	18000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA58-COMP-120507

Lab Sample ID: 580-32803-7

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:10

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1800	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA08-COMP-120507

Lab Sample ID: 580-32803-10

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:28

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1600	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA06-COMP-120507

Lab Sample ID: 580-32803-15

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 16:00

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1200	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS39-120507

Lab Sample ID: 580-32803-16

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 10:25

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1500	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS41-120507

Lab Sample ID: 580-32803-17

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:44

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1600	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS40-120507

Lab Sample ID: 580-32803-18

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:34

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1500	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS43-120507

Lab Sample ID: 580-32803-19

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:20

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1500	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS42-120507

Lab Sample ID: 580-32803-20

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 09:03

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1300	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-COMP-120507

Lab Sample ID: 580-32803-21

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 16:14

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1400	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA07-COMP-120507

Lab Sample ID: 580-32803-26

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 16:33

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1600	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA03-COMP-120507

Lab Sample ID: 580-32803-30

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 16:53

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1500	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA02-COMP-120507

Lab Sample ID: 580-32803-36

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 17:10

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1700	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA04-COMP-120507

Lab Sample ID: 580-32803-41

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 17:15

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1300	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-SS03-120507

Lab Sample ID: 580-32803-42

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:10

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	2100	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-SS04-120507

Lab Sample ID: 580-32803-43

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:00

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1700	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-SS01-120507

Lab Sample ID: 580-32803-44

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:22

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1900	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-SS02-120507

Lab Sample ID: 580-32803-45

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:15

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1900	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-COMP-120507

Lab Sample ID: 580-32803-46

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 17:39

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1700	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA09-COMP-120507

Lab Sample ID: 580-32803-53

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 18:03

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1400	1000		mg/Kg			1	Lloyd Kahn

2-IN
 CALIBRATION QUALITY CONTROL
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Analyst: AM Batch Start Date: 06/08/2012
 Reporting Units: mg/Kg Analytical Batch No.: 113143

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	13:16	Total Organic Carbon	118000	120000	99	80-120		CaCO3_00002
2	ICB	13:19	Total Organic Carbon	ND					
13	CCV	13:58	Total Organic Carbon	121000	120000	101	80-120		CaCO3_00002
14	CCB	14:01	Total Organic Carbon	ND					
25	CCV	14:46	Total Organic Carbon	120000	120000	100	80-120		CaCO3_00002
26	CCB	14:48	Total Organic Carbon	ND					
31	CCV	15:08	Total Organic Carbon	121000	120000	101	80-120		CaCO3_00002
32	CCB	15:10	Total Organic Carbon	ND					
33	ICV	18:05	Total Organic Carbon	119000	120000	99	80-120		CaCO3_00002
34	ICB	18:07	Total Organic Carbon	ND					
35	CCV	19:33	Total Organic Carbon	121000	120000	101	80-120		CaCO3_00002
36	CCB	19:35	Total Organic Carbon	ND					
38	CCV	20:10	Total Organic Carbon	122000	120000	101	80-120		CaCO3_00002
39	CCB	20:12	Total Organic Carbon	ND					

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

2-IN
 CALIBRATION QUALITY CONTROL
 GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 580-32803-1
 SDG No.: _____
 Analyst: AJN Batch Start Date: 05/29/2012
 Reporting Units: mg/Kg Analytical Batch No.: 39474

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	14:52	Black Carbon	742000	711000	104	85-115		WCLKCCVs_00006
2	ICB	14:59	Black Carbon	ND					
13	CCV	17:26	Black Carbon	798000	711000	112	85-115		WCLKCCVs_00006
14	CCB	17:33	Black Carbon	ND					
25	CCV	19:54	Black Carbon	762000	711000	107	85-115		WCLKCCVs_00006
26	CCB	20:01	Black Carbon	ND					
28	CCV	20:21	Black Carbon	690000	711000	97	85-115		WCLKCCVs_00006
29	CCB	20:27	Black Carbon	ND					

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

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 113143 Date: 06/08/2012 13:21							
9060_PSEP	MB 580-113143/3	Total Organic Carbon	ND		mg/Kg	2000	1

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 39474 Date: 05/29/2012 15:06							
Lloyd Kahn	MB 200-39474/3	BC Result 1	ND		mg/Kg	1000	1
Lloyd Kahn	MB 200-39474/3	BC Result 2	ND		mg/Kg	1000	1
Lloyd Kahn	MB 200-39474/3	Black Carbon	ND		mg/Kg	1000	1

5-IN
 MATRIX SPIKE SAMPLE RECOVERY
 GENERAL CHEMISTRY

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

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 113143 Date: 06/08/2012 13:39											
9060_PS EP	580-32803-7	Total Organic Carbon	28000		mg/Kg						
9060_PS EP	580-32803-7	Total Organic Carbon	139000		mg/Kg	113000	98	76-128			

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

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
SDG No.: _____
Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 113143 Date: 06/11/2012 20:05											
9060_PS	580-32803-7	Total Organic Carbon	140000		mg/Kg	111000	101	76-128	0	28	
EP	MSD										

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

6-IN
 DUPLICATE
 GENERAL CHEMISTRY

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

SDG No.: _____

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 113143 Date: 06/08/2012 13:29								
9060_PSEP	JW-EA58-COMP-12050	580-32803-7	Total Organic Carbon	28000	mg/Kg			
	7							
9060_PSEP	JW-EA58-COMP-12050	580-32803-7 DU	Total Organic Carbon	29900	mg/Kg	5	50	
	7							
Batch ID: 113143 Date: 06/08/2012 13:34								
9060_PSEP	JW-EA58-COMP-12050	580-32803-7	Total Organic Carbon	28000	mg/Kg			
	7							
9060_PSEP	JW-EA58-COMP-12050	580-32803-7 DU	Total Organic Carbon	30300	mg/Kg	7	50	
	7							

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 113143		Date: 06/08/2012 13:23									
						LCS Source: TOCS_LCS_00002					
9060_PS	LCS	Total Organic Carbon	3300		mg/Kg	2720	121	34-166			
EP	580-113143/4										

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 580-32803-1
SDG No.: _____
Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 39474		Date: 05/29/2012 15:19									
						LCS Source: WCBCLCSs_00006					
Lloyd Kahn	LCS 200-39474/4	Black Carbon	10700		mg/Kg	9900	108	50-150			

Calculations are performed before rounding to avoid round-off errors in calculated results.

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32803-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP MDL Date: 04/24/2008 14:41

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Total Organic Carbon		2000	608

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32803-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP XMDL Date: 11/01/2009 12:22

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Total Organic Carbon		2000	608

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32803-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: D 2216 RL Date: 01/01/2005 13:13

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 580-32803-1
SDG Number: _____
Matrix: Solid Instrument ID: WCCH2
Method: Lloyd Kahn RL Date: 05/27/2011 10:47

Analyte	Wavelength/ Mass	RL (mg/Kg)	
Black Carbon		1000	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 580-32803-1
SDG Number: _____
Matrix: Solid Instrument ID: WCCH2
Method: Lloyd Kahn XMDL Date: 05/27/2011 10:48

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Black Carbon		1000	110

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 9060_PSEP

Start Date: 06/08/2012 13:16 End Date: 06/11/2012 20:12

Lab Sample ID	D / F	T y p e	Time	Analytes															
				T O C															
ICV 580-113143/1	1		13:16	X															
ICB 580-113143/2	1		13:19	X															
MB 580-113143/3	1	T	13:21	X															
LCS 580-113143/4	1	T	13:23	X															
580-32803-7	1	T	13:25	X															
580-32803-7 DU	1	T	13:29	X															
580-32803-7 DU	1	T	13:34	X															
580-32803-7 MS	1	T	13:39	X															
580-32803-10	1	T	13:41	X															
580-32803-15	1	T	13:45	X															
580-32803-16	1	T	13:49	X															
580-32803-17	1	T	13:54	X															
CCV 580-113143/13	1		13:58	X															
CCB 580-113143/14	1		14:01	X															
580-32803-18	1	T	14:03	X															
580-32803-19	1	T	14:07	X															
580-32803-20	1	T	14:11	X															
580-32803-21	1	T	14:16	X															
580-32803-26	1	T	14:20	X															
580-32803-30	1	T	14:24	X															
580-32803-36	1	T	14:29	X															
580-32803-41	1	T	14:33	X															
580-32803-42	1	T	14:37	X															
580-32803-43	1	T	14:41	X															
CCV 580-113143/25	1		14:46	X															
CCB 580-113143/26	1		14:48	X															
580-32803-44	1	T	14:50	X															
580-32803-45	1	T	14:55	X															
580-32803-46	1	T	14:59	X															
580-32803-53	1	T	15:03	X															
CCV 580-113143/31	1		15:08	X															
CCB 580-113143/32	1		15:10	X															
ICV 580-113143/33	1		18:05	X															
ICB 580-113143/34	1		18:07	X															
CCV 580-113143/35	1		19:33	X															
CCB 580-113143/36	1		19:35	X															
580-32803-7 MSD	1	T	20:05	X															
CCV 580-113143/38	1		20:10	X															
CCB 580-113143/39	1		20:12	X															

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 580-32803-1

SDG No.: _____

Instrument ID: WCCH2 Method: Lloyd Kahn

Start Date: 05/29/2012 14:52 End Date: 05/29/2012 20:27

Lab Sample ID	D / F	T y p e	Time	Analytes															
				B C															
ICV 200-39474/1	1		14:52	X															
ICB 200-39474/2	1		14:59	X															
MB 200-39474/3	1	T	15:06	X															
LCS 200-39474/4	1	T	15:19	X															
580-32803-7	1	T	15:40	X															
580-32803-10	1	T	15:53	X															
580-32803-15	1	T	16:07	X															
580-32803-16	1	T	16:20	X															
580-32803-17	1	T	16:33	X															
580-32803-18	1	T	16:46	X															
580-32803-19	1	T	17:00	X															
580-32803-20	1	T	17:13	X															
CCV 200-39474/13	1		17:26	X															
CCB 200-39474/14	1		17:33	X															
580-32803-21	1	T	17:40	X															
580-32803-26	1	T	17:53	X															
580-32803-30	1	T	18:07	X															
580-32803-36	1	T	18:20	X															
580-32803-41	1	T	18:33	X															
580-32803-42	1	T	18:47	X															
580-32803-43	1	T	19:00	X															
580-32803-44	1	T	19:13	X															
580-32803-45	1	T	19:27	X															
580-32803-46	1	T	19:40	X															
CCV 200-39474/25	1		19:54	X															
CCB 200-39474/26	1		20:01	X															
580-32803-53	1	T	20:07	X															
CCV 200-39474/28	1		20:21	X															
CCB 200-39474/29	1		20:27	X															

Prep Types

T = Total/NA

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICV		0.1867	TA SOIL LINNEAR	6/8/2012 1:16:56 PM	11.84	E05

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICB		0.1956	TA SOIL LINNEAR	6/8/2012 1:19:07 PM	-0.01159	E06

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
MB		0.1962	TA SOIL LINNEAR	6/8/2012 1:21:02 PM	-0.006040	E07

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
LCSSRM		0.1867	TA SOIL LINNEAR	6/8/2012 1:23:14 PM	0.3297	E08

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-7		0.1995	TA SOIL LINNEAR	6/8/2012 1:25:25 PM	2.779	E09
32803-A-7		0.2197	TA SOIL LINNEAR	6/8/2012 1:27:47 PM	2.882	E10
Average		0.2096			2.831	
Std. Deviation		0.01			0.0724	
RSD		6.815			2.558	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-7 dup		0.2197	TA SOIL LINNEAR	6/8/2012 1:29:59 PM	3.123	A01
32803-A-7 dup		0.2046	TA SOIL LINNEAR	6/8/2012 1:32:10 PM	2.858	A02
Average		0.2122			2.991	
Std. Deviation		0.01			0.1873	
RSD		5.033			6.262	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-7 trip		0.2291	TA SOIL LINNEAR	6/8/2012 1:34:21 PM	2.671	A03
32803-A-7 trip		0.2213	TA SOIL LINNEAR	6/8/2012 1:36:32 PM	3.384	A04
Average		0.2252			3.027	
Std. Deviation		0.006			0.5039	
RSD		2.449			16.65	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-7 ms	0.1032	0.1097	TA SOIL LINNEAR	6/8/2012 1:39:06 PM	13.94	A05

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-10		0.2064	TA SOIL LINNEAR	6/8/2012 1:41:17 PM	2.877	A06
32803-A-10		0.1952	TA SOIL LINNEAR	6/8/2012 1:43:28 PM	2.955	A07
Average		0.2008			2.916	
Std. Deviation		0.008			0.0553	
RSD		3.944			1.896	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-15		0.2162	TA SOIL LINNEAR	6/8/2012 1:45:24 PM	1.911	A08
32803-A-15		0.1985	TA SOIL LINNEAR	6/8/2012 1:47:35 PM	1.854	A09
Average		0.2074			1.882	
Std. Deviation		0.01			0.0400	
RSD		6.036			2.125	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-16		0.2041	TA SOIL LINNEAR	6/8/2012 1:49:46 PM	2.115	A10
32803-A-16		0.1951	TA SOIL LINNEAR	6/8/2012 1:51:57 PM	2.597	B01
Average		0.1996			2.356	
Std. Deviation		0.006			0.3408	
RSD		3.188			14.46	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-17		0.2069	TA SOIL LINNEAR	6/8/2012 1:54:08 PM	2.713	B02
32803-A-17		0.2061	TA SOIL LINNEAR	6/8/2012 1:56:04 PM	2.813	B03
Average		0.2065			2.763	
Std. Deviation		0.0006			0.0707	
RSD		0.274			2.557	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-1		0.1061	TA SOIL LINNEAR	6/8/2012 1:58:49 PM	12.11	B04

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-1		0.1975	TA SOIL LINNEAR	6/8/2012 2:01:00 PM	-0.01540	B05

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-18		0.1881	TA SOIL LINNEAR	6/8/2012 2:03:12 PM	2.607	B06
32803-A-18		0.1959	TA SOIL LINNEAR	6/8/2012 2:05:24 PM	2.353	B07
Average		0.1920			2.480	
Std. Deviation		0.006			0.1791	
RSD		2.873			7.221	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-19		0.2104	TA SOIL LINNEAR	6/8/2012 2:07:35 PM	2.249	B08
32803-A-19		0.2162	TA SOIL LINNEAR	6/8/2012 2:09:46 PM	2.357	B09
Average		0.2133			2.303	
Std. Deviation		0.004			0.0763	
RSD		1.923			3.314	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-20		0.1950	TA SOIL LINNEAR	6/8/2012 2:11:57 PM	1.580	B10
32803-A-20		0.2142	TA SOIL LINNEAR	6/8/2012 2:13:54 PM	1.545	C01

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
Average		0.2046			1.563	
Std. Deviation		0.01			0.0245	
RSD		6.636			1.571	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-21		0.2035	TA SOIL LINNEAR	6/8/2012 2:16:07 PM	2.132	C02
32803-A-21		0.1974	TA SOIL LINNEAR	6/8/2012 2:18:18 PM	1.949	C03
Average		0.2004			2.041	
Std. Deviation		0.004			0.1295	
RSD		2.152			6.348	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-26		0.2125	TA SOIL LINNEAR	6/8/2012 2:20:17 PM	3.122	C04
32803-A-26		0.1979	TA SOIL LINNEAR	6/8/2012 2:22:29 PM	3.122	C05
Average		0.2052			3.122	
Std. Deviation		0.01			0.0003	
RSD		5.031			0.010	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-30		0.1943	TA SOIL LINNEAR	6/8/2012 2:24:40 PM	2.557	C06
32803-A-30		0.2063	TA SOIL LINNEAR	6/8/2012 2:26:51 PM	2.512	C07
Average		0.2003			2.534	
Std. Deviation		0.008			0.0318	
RSD		4.236			1.257	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-36		0.1978	TA SOIL LINNEAR	6/8/2012 2:29:02 PM	2.706	C08
32803-A-36		0.2091	TA SOIL LINNEAR	6/8/2012 2:30:58 PM	2.884	C09
Average		0.2035			2.795	
Std. Deviation		0.008			0.1258	
RSD		3.927			4.503	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-41		0.2051	TA SOIL LINNEAR	6/8/2012 2:33:09 PM	1.643	C10
32803-A-41		0.2132	TA SOIL LINNEAR	6/8/2012 2:35:20 PM	1.725	D01
Average		0.2092			1.684	
Std. Deviation		0.006			0.0580	
RSD		2.738			3.445	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-42		0.2058	TA SOIL LINNEAR	6/8/2012 2:37:19 PM	1.960	D02
32803-A-42		0.1876	TA SOIL LINNEAR	6/8/2012 2:39:30 PM	1.846	D03

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
Average		0.1967			1.903	
Std. Deviation		0.01			0.0806	
RSD		6.543			4.236	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-43		0.2030	TA SOIL LINNEAR	6/8/2012 2:41:41 PM	2.720	D04
32803-A-43		0.1965	TA SOIL LINNEAR	6/8/2012 2:43:53 PM	2.709	D05
Average		0.1998			2.714	
Std. Deviation		0.005			0.0078	
RSD		2.301			0.288	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-2		0.1023	TA SOIL LINNEAR	6/8/2012 2:46:31 PM	12.03	D06

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-2		0.2175	TA SOIL LINNEAR	6/8/2012 2:48:42 PM	-0.02113	D07

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-44		0.1910	TA SOIL LINNEAR	6/8/2012 2:50:53 PM	2.904	D08
32803-A-44		0.1978	TA SOIL LINNEAR	6/8/2012 2:53:04 PM	2.897	D09
Average		0.1944			2.901	
Std. Deviation		0.005			0.0051	
RSD		2.473			0.176	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-45		0.1965	TA SOIL LINNEAR	6/8/2012 2:55:15 PM	3.847	D10
32803-A-45		0.2044	TA SOIL LINNEAR	6/8/2012 2:57:26 PM	3.993	E01
Average		0.2005			3.920	
Std. Deviation		0.006			0.1032	
RSD		2.787			2.633	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-46		0.2008	TA SOIL LINNEAR	6/8/2012 2:59:37 PM	2.742	E02
32803-A-46		0.2016	TA SOIL LINNEAR	6/8/2012 3:01:49 PM	2.810	E03
Average		0.2012			2.776	
Std. Deviation		0.0006			0.0481	
RSD		0.281			1.734	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-53		0.2177	TA SOIL LINNEAR	6/8/2012 3:03:44 PM	1.858	E04
32803-A-53		0.2132	TA SOIL LINNEAR	6/8/2012 3:05:55 PM	1.705	E05
Average		0.2155			1.781	
Std. Deviation		0.003			0.1081	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
RSD		1.477			6.070	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-3		0.1021	TA SOIL LINNEAR	6/8/2012 3:08:31 PM	12.06	E06
CCV-3		0.1829	TA SOIL LINNEAR	6/8/2012 3:10:42 PM	-0.01684	E07
Average		0.1425			6.021	
Std. Deviation		0.06			8.5394	
RSD		40.09			141.8	

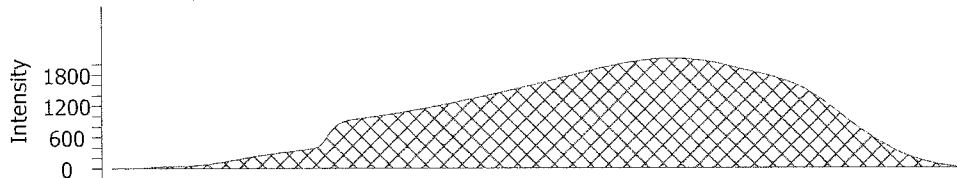
Element	Average	Std. Deviation	RSD	Count
Mass	0.1958	0.03	14.31	53
Carbon %	3.185	3.1567	99.11	53

SC632

ICV

Name	Description	Mass	Method
ICV		0.1867	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:16:56 PM		E05	

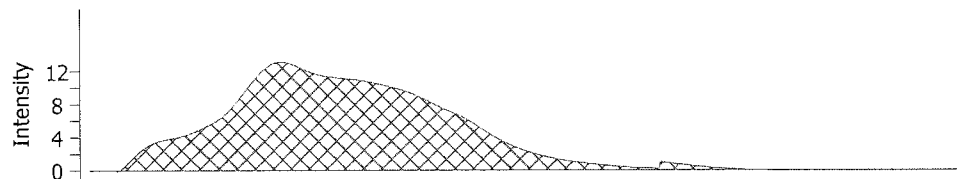
Carbon %
11.84



ICB

Name	Description	Mass	Method
ICB		0.1956	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:19:07 PM		E06	

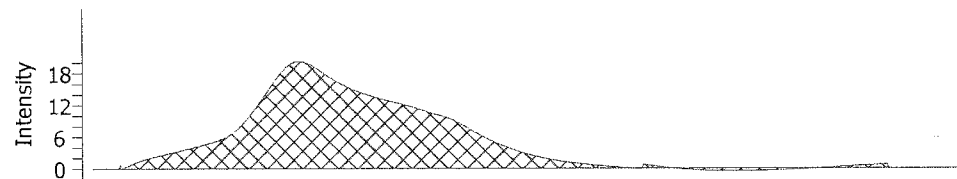
Carbon %
-0.01159



MB

Name	Description	Mass	Method
MB		0.1962	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:21:02 PM		E07	

Carbon %
-0.006040

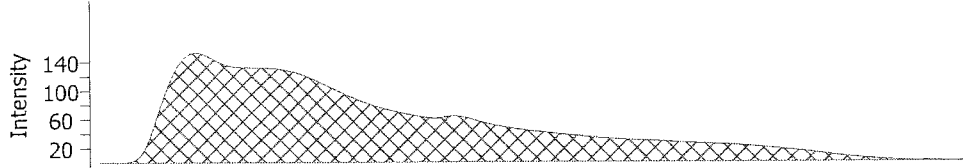


SC632

LCSSRM

Name	Description	Mass	Method
LCSSRM		0.1867	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:23:14 PM		E08	

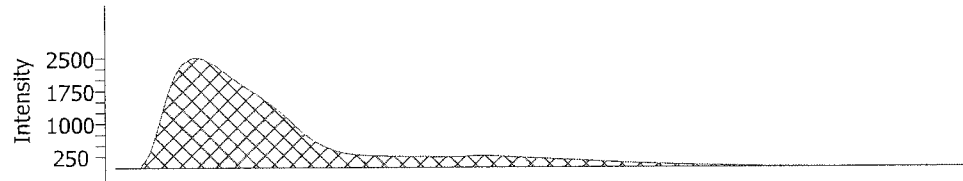
Carbon %
0.3297



32803-A-7

Name	Description	Mass	Method
32803-A-7		0.1995	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:25:25 PM		E09	

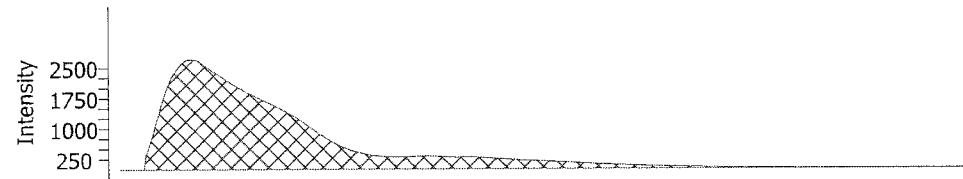
Carbon %
2.779



32803-A-7

Name	Description	Mass	Method
32803-A-7		0.2197	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:27:47 PM		E10	

Carbon %
2.882

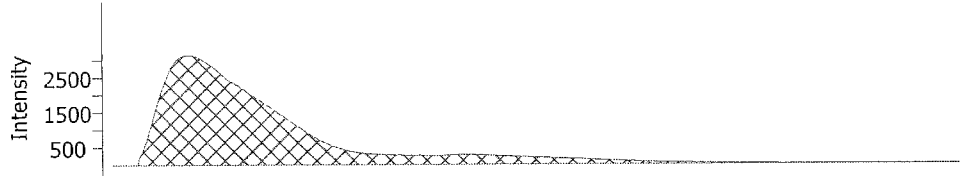


SC632

32803-A-7 dup

Name	Description	Mass	Method
32803-A-7 dup		0.2197	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:29:59 PM		A01	

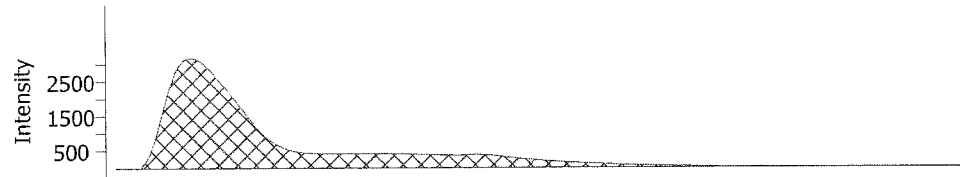
Carbon %
3.123



32803-A-7 dup

Name	Description	Mass	Method
32803-A-7 dup		0.2046	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:32:10 PM		A02	

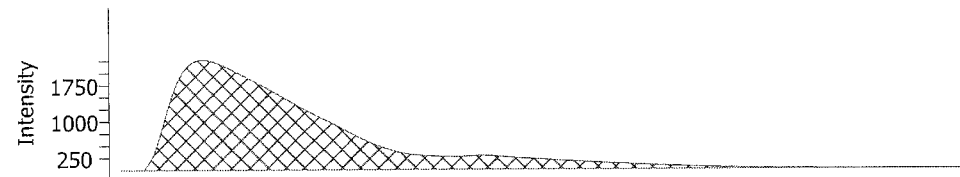
Carbon %
2.858



32803-A-7 trip

Name	Description	Mass	Method
32803-A-7 trip		0.2291	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:34:21 PM		A03	

Carbon %
2.671

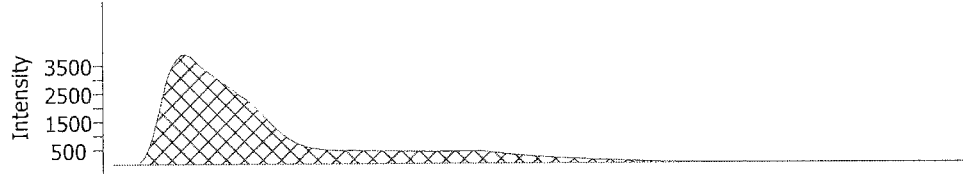


SC632

32803-A-7 trip

Name	Description	Mass	Method
32803-A-7 trip		0.2213	TA SOIL LINNEAR
Analysis Date	Location		
6/8/2012 1:36:32 PM	A04		

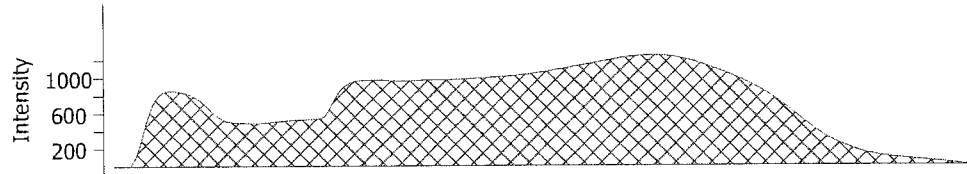
Carbon %
3.384



32803-A-7 ms

Name	Description	Mass	Method
32803-A-7 ms	0.1032	0.1097	TA SOIL LINNEAR
Analysis Date	Location		
6/8/2012 1:39:06 PM	A05		

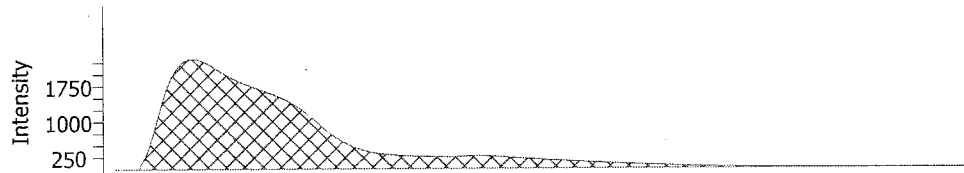
Carbon %
13.94



32803-A-10

Name	Description	Mass	Method
32803-A-10		0.2064	TA SOIL LINNEAR
Analysis Date	Location		
6/8/2012 1:41:17 PM	A06		

Carbon %
2.877

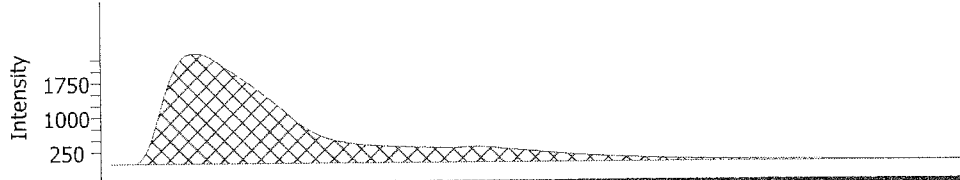


SC632

32803-A-10

Name	Description	Mass	Method
32803-A-10		0.1952	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:43:28 PM		A07	

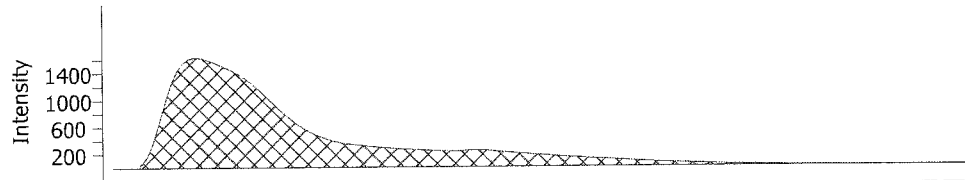
Carbon %
2.955



32803-A-15

Name	Description	Mass	Method
32803-A-15		0.2162	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:45:24 PM		A08	

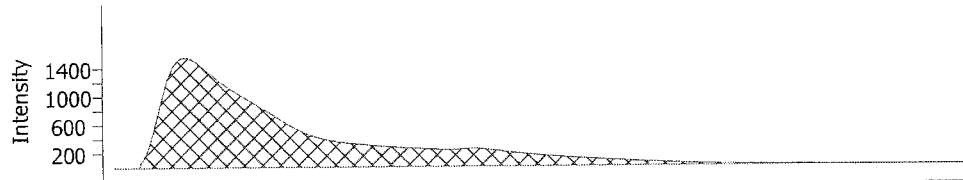
Carbon %
1.911



32803-A-15

Name	Description	Mass	Method
32803-A-15		0.1985	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:47:35 PM		A09	

Carbon %
1.854

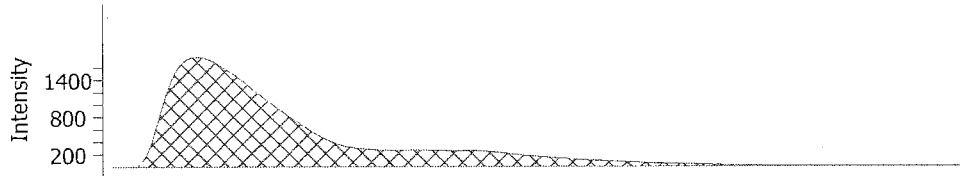


SC632

32803-A-16

Name	Description	Mass	Method
32803-A-16		0.2041	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:49:46 PM		A10	

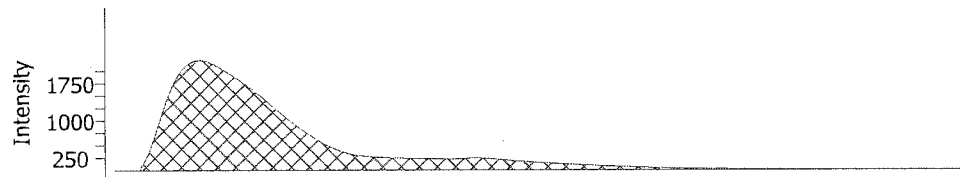
Carbon %
2.115



32803-A-16

Name	Description	Mass	Method
32803-A-16		0.1951	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:51:57 PM		B01	

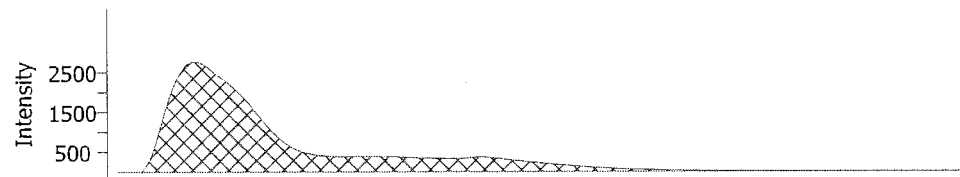
Carbon %
2.597



32803-A-17

Name	Description	Mass	Method
32803-A-17		0.2069	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:54:08 PM		B02	

Carbon %
2.713

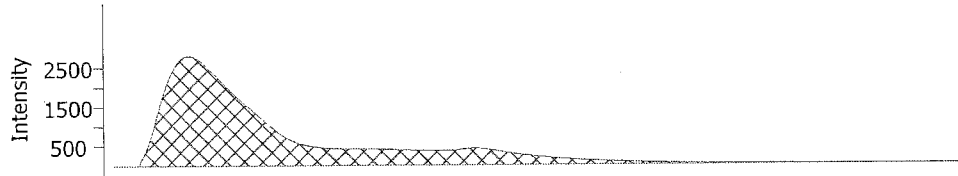


SC632

32803-A-17

Name	Description	Mass	Method
32803-A-17		0.2061	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:56:04 PM		B03	

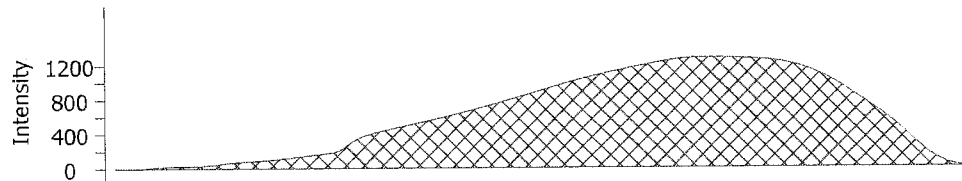
Carbon %
2.813



CCV

Name	Description	Mass	Method
CCV		0.1061	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:58:49 PM		B04	

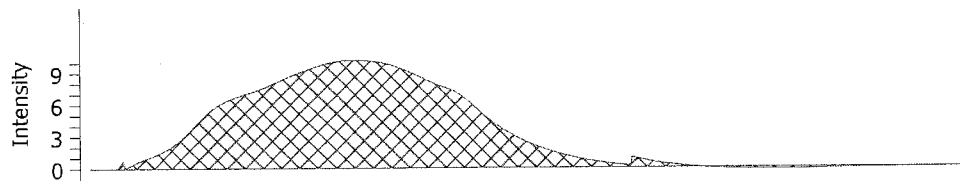
Carbon %
12.11



CCB

Name	Description	Mass	Method
CCB		0.1975	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:01:00 PM		B05	

Carbon %
-0.01540

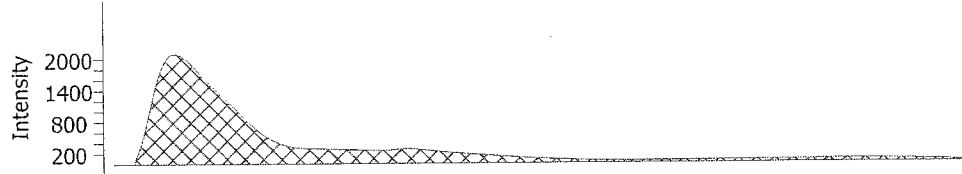


SC632

32803-A-18

Name	Description	Mass	Method
32803-A-18		0.1881	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:03:12 PM		B06	

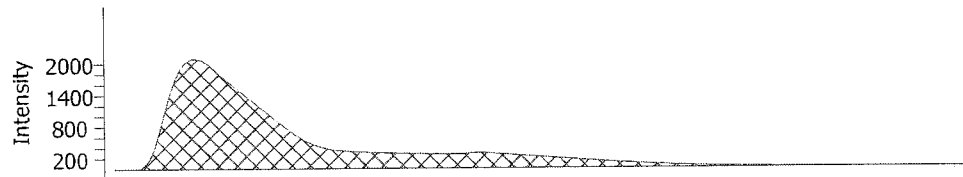
Carbon %
2.607



32803-A-18

Name	Description	Mass	Method
32803-A-18		0.1959	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:05:24 PM		B07	

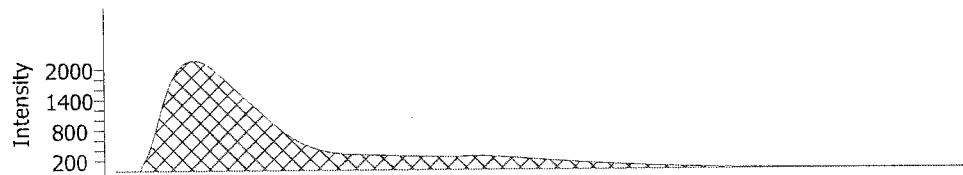
Carbon %
2.353



32803-A-19

Name	Description	Mass	Method
32803-A-19		0.2104	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:07:35 PM		B08	

Carbon %
2.249

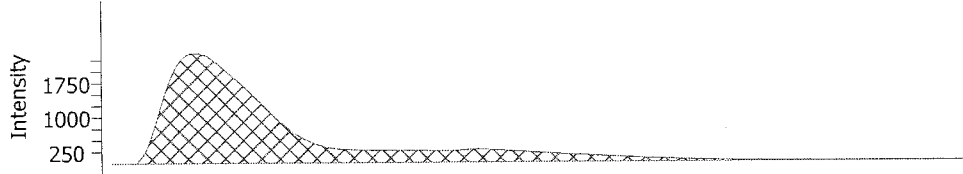


SC632

32803-A-19

Name	Description	Mass	Method
32803-A-19		0.2162	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:09:46 PM		B09	

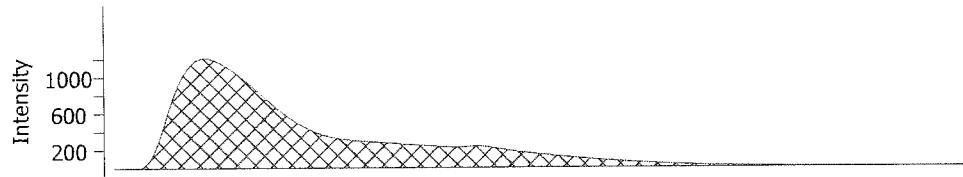
Carbon %
2.357



32803-A-20

Name	Description	Mass	Method
32803-A-20		0.1950	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:11:57 PM		B10	

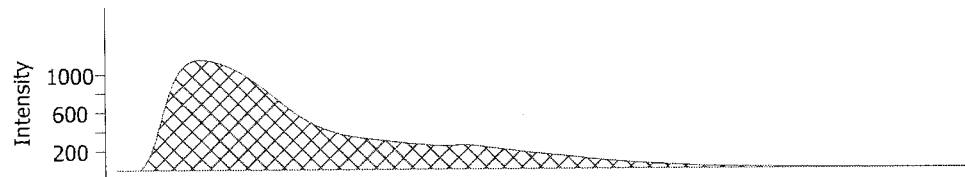
Carbon %
1.580



32803-A-20

Name	Description	Mass	Method
32803-A-20		0.2142	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:13:54 PM		C01	

Carbon %
1.545

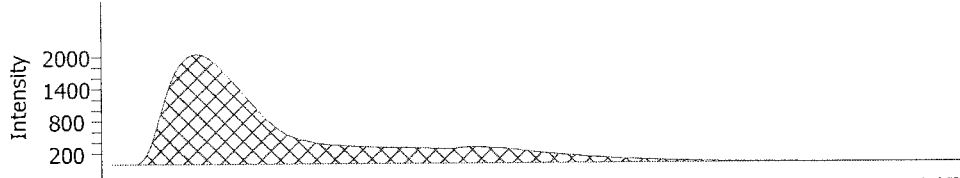


SC632

32803-A-21

Name	Description	Mass	Method
32803-A-21		0.2035	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:16:07 PM		C02	

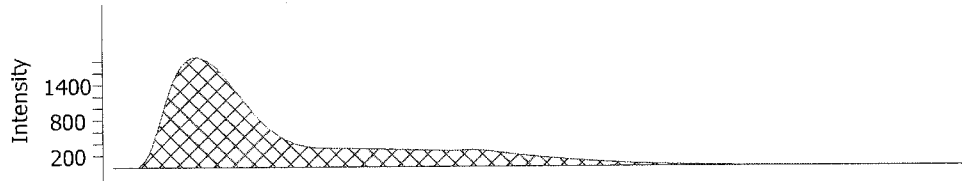
Carbon %
2.132



32803-A-21

Name	Description	Mass	Method
32803-A-21		0.1974	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:18:18 PM		C03	

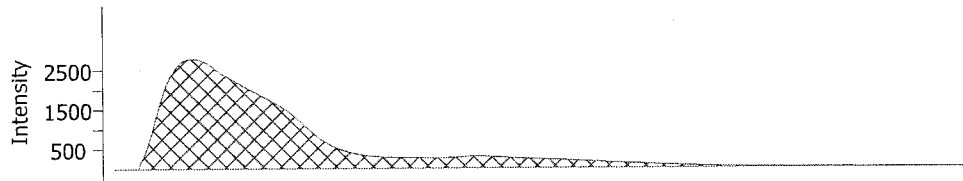
Carbon %
1.949



32803-A-26

Name	Description	Mass	Method
32803-A-26		0.2125	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:20:17 PM		C04	

Carbon %
3.122

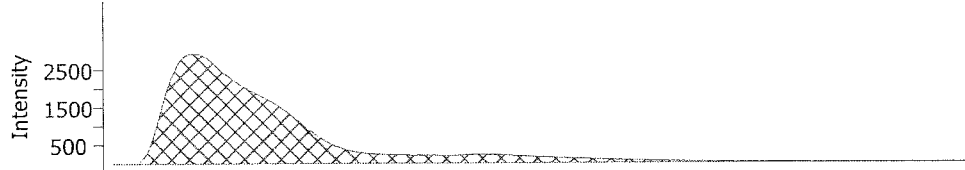


SC632

32803-A-26

Name	Description	Mass	Method
32803-A-26		0.1979	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:22:29 PM		C05	

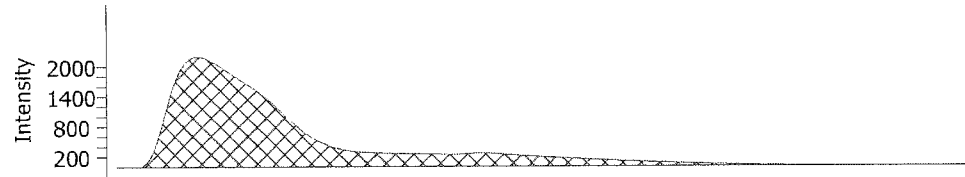
Carbon %
3.122



32803-A-30

Name	Description	Mass	Method
32803-A-30		0.1943	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:24:40 PM		C06	

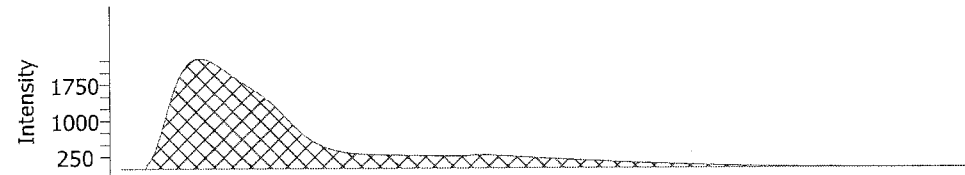
Carbon %
2.557



32803-A-30

Name	Description	Mass	Method
32803-A-30		0.2063	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:26:51 PM		C07	

Carbon %
2.512

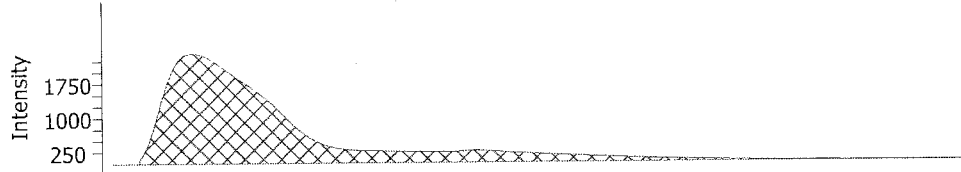


SC632

32803-A-36

Name	Description	Mass	Method
32803-A-36		0.1978	TA SOIL LINNEAR
Analysis Date	Location		
6/8/2012 2:29:02 PM	C08		

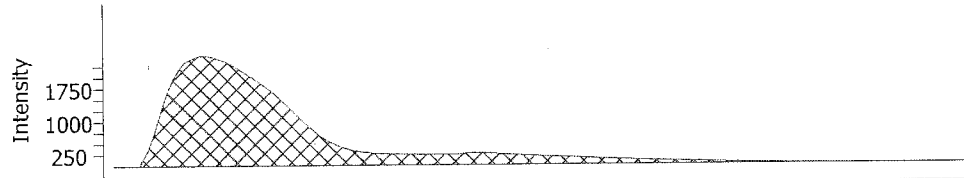
Carbon %
2.706



32803-A-36

Name	Description	Mass	Method
32803-A-36		0.2091	TA SOIL LINNEAR
Analysis Date	Location		
6/8/2012 2:30:58 PM	C09		

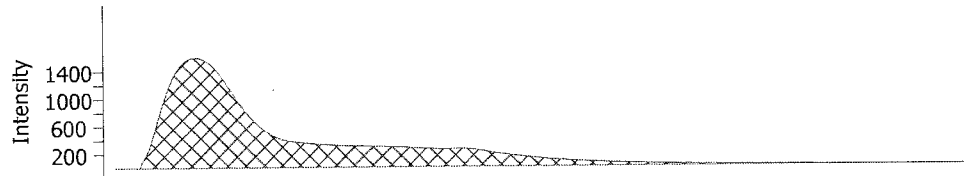
Carbon %
2.884



32803-A-41

Name	Description	Mass	Method
32803-A-41		0.2051	TA SOIL LINNEAR
Analysis Date	Location		
6/8/2012 2:33:09 PM	C10		

Carbon %
1.643

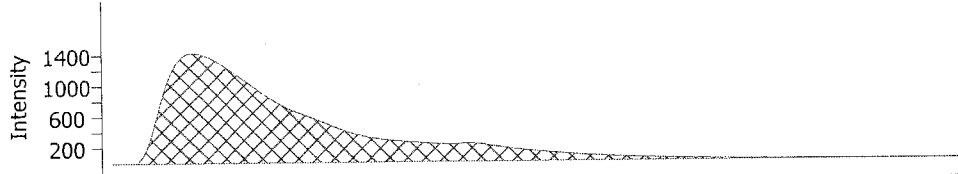


SC632

32803-A-41

Name	Description	Mass	Method
32803-A-41		0.2132	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:35:20 PM		D01	

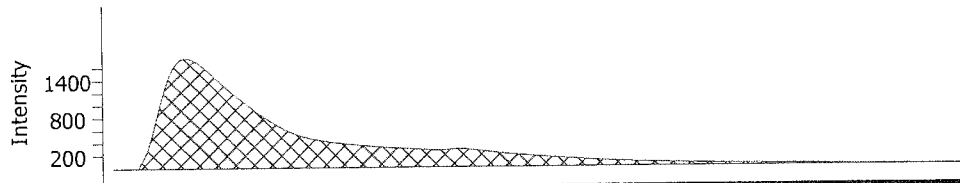
Carbon %
1.725



32803-A-42

Name	Description	Mass	Method
32803-A-42		0.2058	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:37:19 PM		D02	

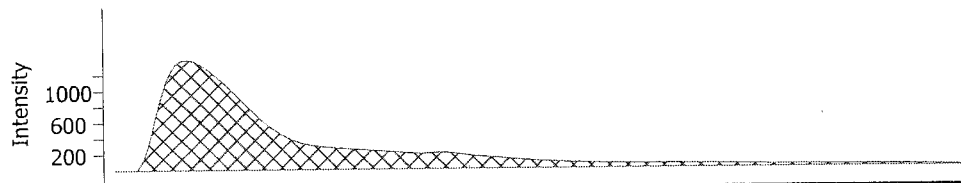
Carbon %
1.960



32803-A-42

Name	Description	Mass	Method
32803-A-42		0.1876	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:39:30 PM		D03	

Carbon %
1.846

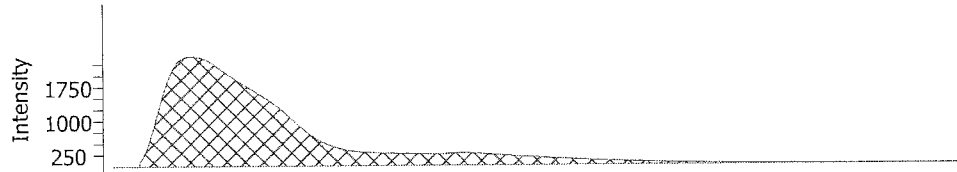


SC632

32803-A-43

Name	Description	Mass	Method
32803-A-43		0.2030	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:41:41 PM		D04	

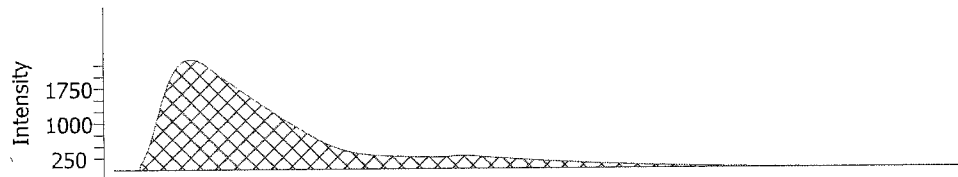
Carbon %
2.720



32803-A-43

Name	Description	Mass	Method
32803-A-43		0.1965	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:43:53 PM		D05	

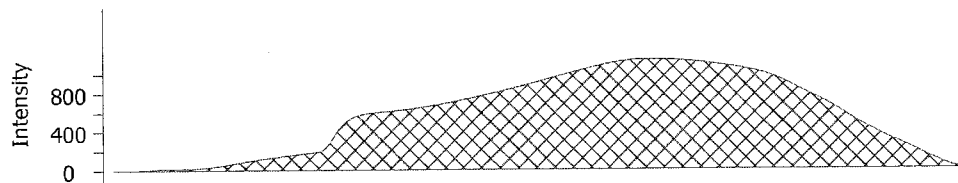
Carbon %
2.709



CCV

Name	Description	Mass	Method
CCV		0.1023	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:46:31 PM		D06	

Carbon %
12.03

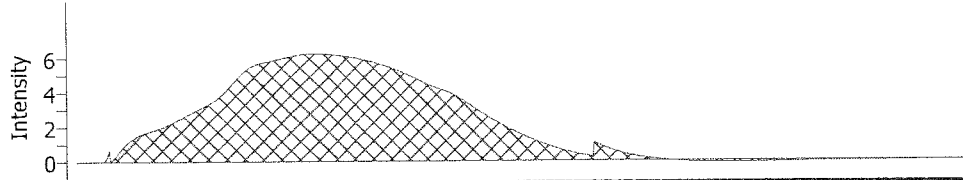


SC632

CCB

Name	Description	Mass	Method
CCB		0.2175	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:48:42 PM		D07	

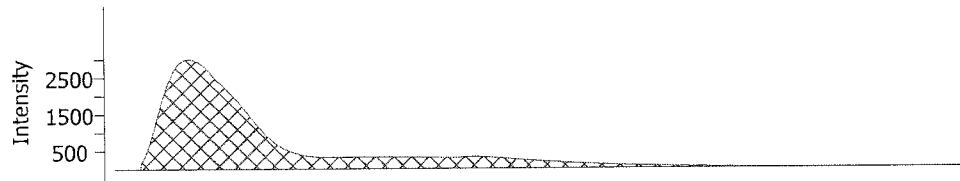
Carbon %
-0.02113



32803-A-44

Name	Description	Mass	Method
32803-A-44		0.1910	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:50:53 PM		D08	

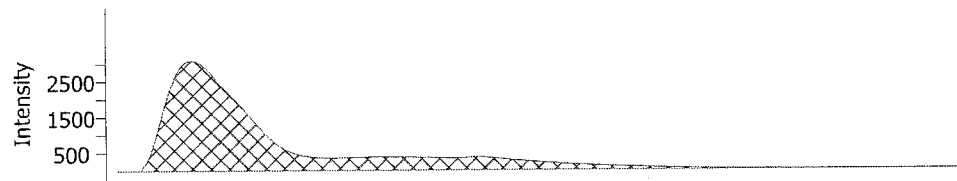
Carbon %
2.904



32803-A-44

Name	Description	Mass	Method
32803-A-44		0.1978	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:53:04 PM		D09	

Carbon %
2.897

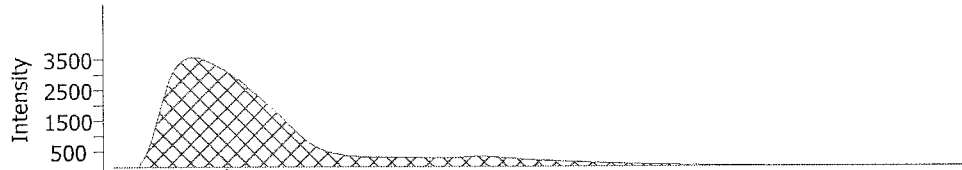


SC632

32803-A-45

Name	Description	Mass	Method
32803-A-45		0.1965	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:55:15 PM		D10	

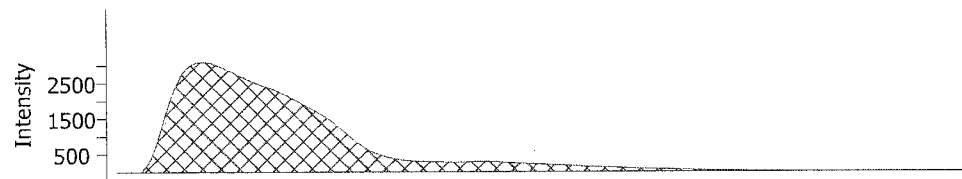
Carbon %
3.847



32803-A-45

Name	Description	Mass	Method
32803-A-45		0.2044	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:57:26 PM		E01	

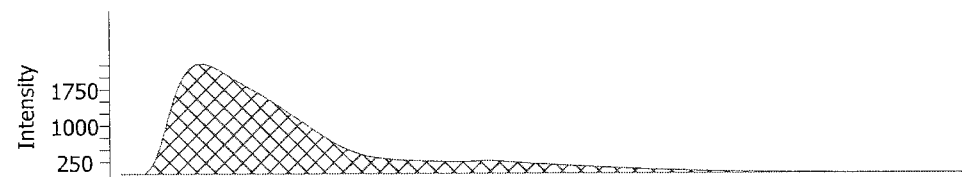
Carbon %
3.993



32803-A-46

Name	Description	Mass	Method
32803-A-46		0.2008	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:59:37 PM		E02	

Carbon %
2.742

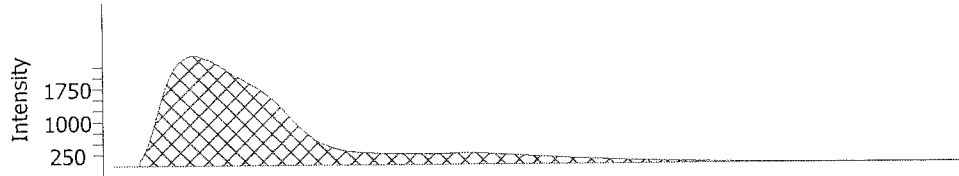


SC632

32803-A-46

Name	Description	Mass	Method
32803-A-46		0.2016	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 3:01:49 PM		E03	

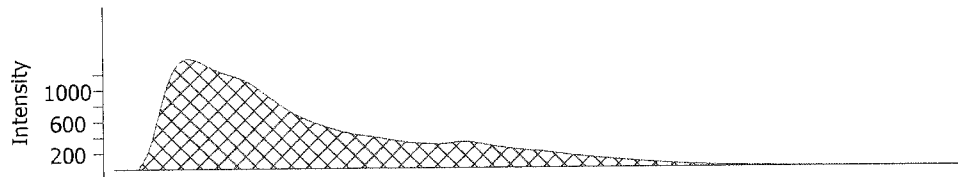
Carbon %
2.810



32803-A-53

Name	Description	Mass	Method
32803-A-53		0.2177	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 3:03:44 PM		E04	

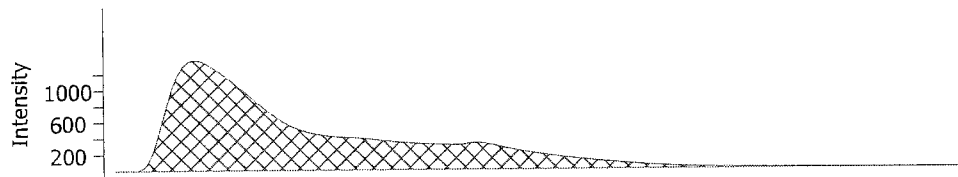
Carbon %
1.858



32803-A-53

Name	Description	Mass	Method
32803-A-53		0.2132	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 3:05:55 PM		E05	

Carbon %
1.705

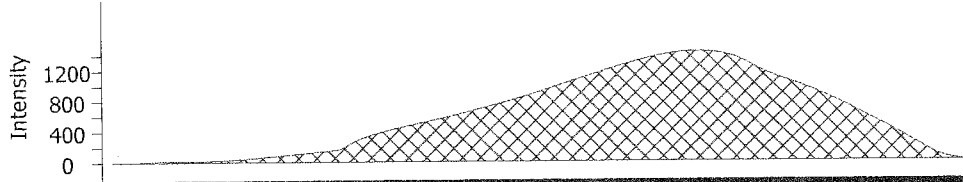


SC632

CCV

Name	Description	Mass	Method
CCV		0.1021	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 3:08:31 PM		E06	

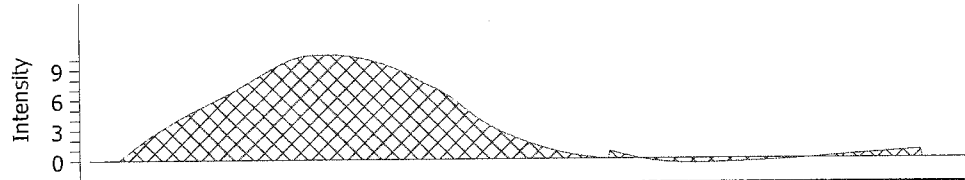
Carbon %
12.06



CCB

Name	Description	Mass	Method
CCB		0.1829	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 3:10:42 PM		E07	

Carbon %
-0.01684



Element	Average	Std. Deviation	RSD	Count
Mass	0.1958	0.03	14.31	53
Carbon %	3.185	3.1567	99.11	53

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICV		0.2082	TA SOIL LINNEAR	6/11/2012 6:05:00 PM	11.85	E08

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICB		0.1921	TA SOIL LINNEAR	6/11/2012 6:07:13 PM	-0.01494	E09

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-2		0.1066	TA SOIL LINNEAR	6/11/2012 7:33:36 PM	12.12	D07

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-2		0.2045	TA SOIL LINNEAR	6/11/2012 7:35:47 PM	0.04832	D08

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-7 msd		0.0981	0.1065 TA SOIL LINNEAR	6/11/2012 8:05:53 PM	13.98	A01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-3		0.1065	TA SOIL LINNEAR	6/11/2012 8:10:44 PM	12.17	A02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-3		0.1942	TA SOIL LINNEAR	6/11/2012 8:12:55 PM	-0.008384	A03

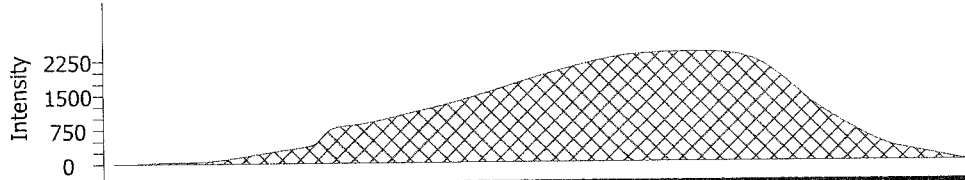
Element	Average	Std. Deviation	RSD	Count
Mass	0.1598	0.05	31.37	7
Carbon %	7.163	6.7278	93.93	7

SC632

ICV

Name	Description	Mass	Method
ICV		0.2082	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:05:00 PM	E08		

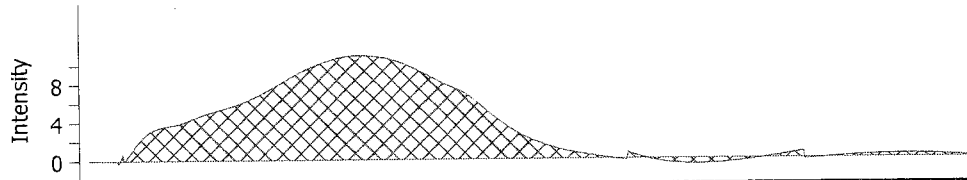
Carbon %
11.85



ICB

Name	Description	Mass	Method
ICB		0.1921	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:07:13 PM	E09		

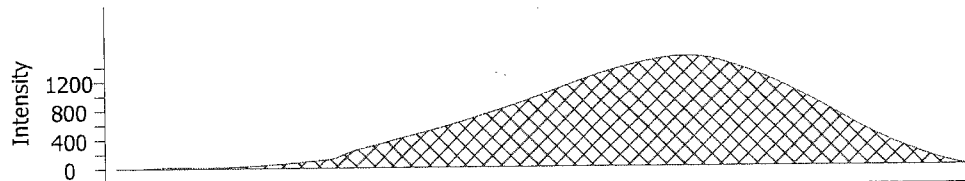
Carbon %
-0.01494



CCV

Name	Description	Mass	Method
CCV		0.1066	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:33:36 PM	D07		

Carbon %
12.12

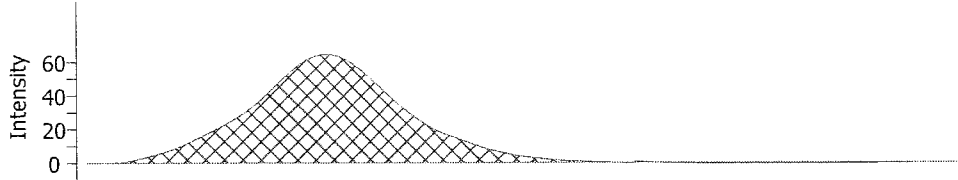


SC632

CCB

Name	Description	Mass	Method
CCB		0.2045	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:35:47 PM	D08		

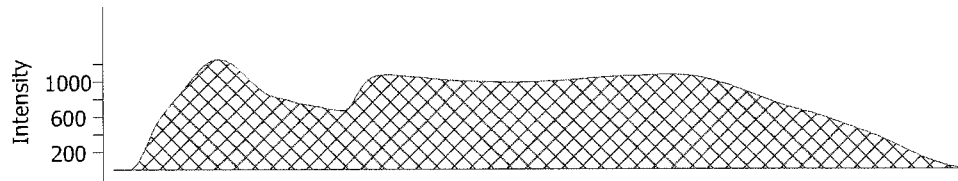
Carbon %
0.04832



32803-A-7 msd

Name	Description	Mass	Method
32803-A-7 msd	0.0981	0.1065	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 8:05:53 PM	A01		

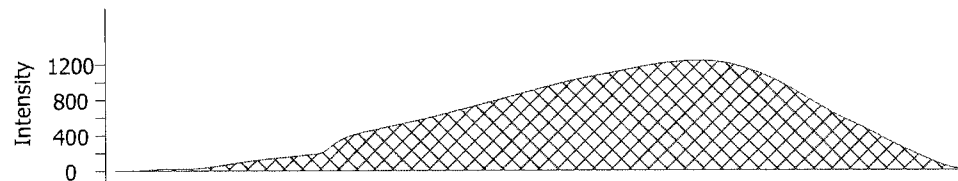
Carbon %
13.98



CCV

Name	Description	Mass	Method
CCV		0.1065	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 8:10:44 PM	A02		

Carbon %
12.17

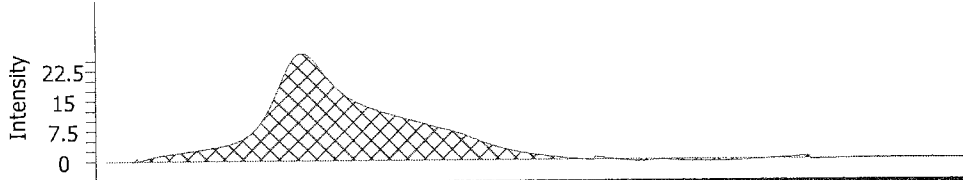


SC632

CCB

Name	Description	Mass	Method
CCB		0.1942	TA SOIL LINEAR
Analysis Date	Location		
6/11/2012 8:12:55 PM	A03		

Carbon %
-0.008384



Element	Average	Std. Deviation	RSD	Count
Mass	0.1598	0.05	31.37	7
Carbon %	7.163	6.7278	93.93	7

SC632

TA SOIL LINNEAR Calibration - Read Only

CO2 Low (range: 0.000000 to 30.156000 mg)

Previous Calibration:

$$y = +1.12453x - 0.00721171$$

Date: 6/2/2012 10:08:33 AM

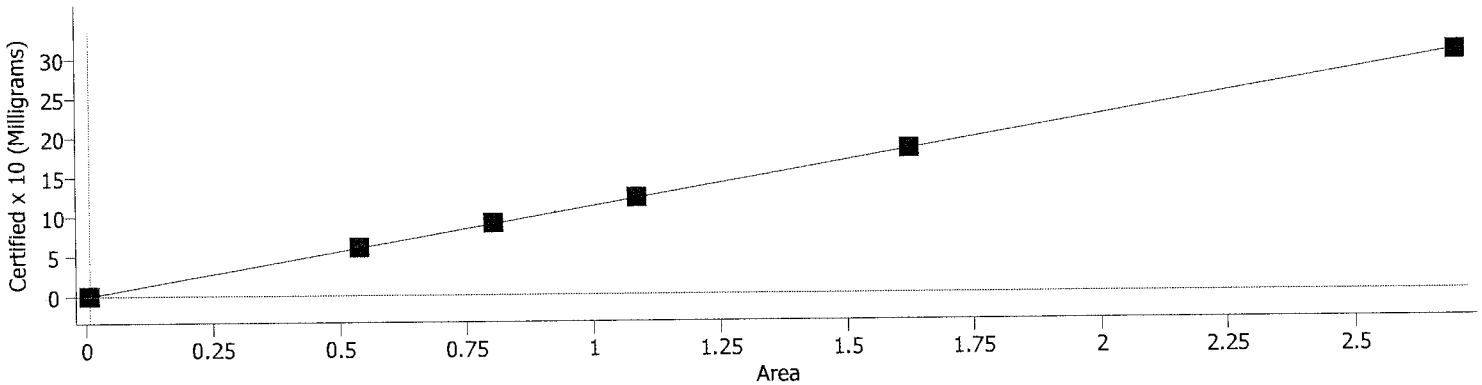
New Calibration:

$$y = +1.12453x - 0.00721171$$

Curve Type: Linear

Weighting: 1 / Certified

RMS Error: 0.00010686



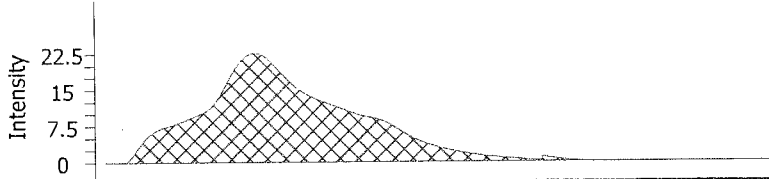
Row	Standard	Drift	Mass	Certified	Calculated	Error %	Prev Err %	Peak	Peak Area	Weighting	Date	Range	Saturated
1	Blank	0	1.0000	0.0000	0.00000054	100.00	100.00	22.599	0.0064132	1.5000E+	06/02/12 09:45 AM	Low	No
2	501-034 12%	0	0.050200	12.000	11.924	-0.63726	-0.63726	1187.7	0.53869	1.6600	06/02/12 09:47 AM	Low	No
3	501-034 12%	0	0.075400	12.000	11.879	-1.0111	-1.0111	1333.5	0.80288	1.1052	06/02/12 09:50 AM	Low	No
4	501-034 12%	1	0.10150	12.000	11.960	-0.33691	-0.33691	1434.7	1.0859	0.82102	06/02/12 09:52 AM	Low	No
5	501-034 12%	0	0.15140	12.000	12.020	0.16267	0.16267	2180.0	1.6246	0.55042	06/02/12 09:55 AM	Low	No
6	501-034 12%	0	0.25130	12.000	12.055	0.46211	0.46211	3094.6	2.7005	0.33161	06/02/12 09:58 AM	Low	No

SC632

Blank

Name	Description	Mass	Method
Blank		1.0000	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:45:34 AM		C03	

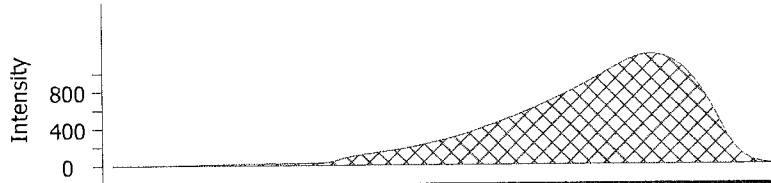
Carbon %
0.000000005442



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0502	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:47:52 AM		C04	

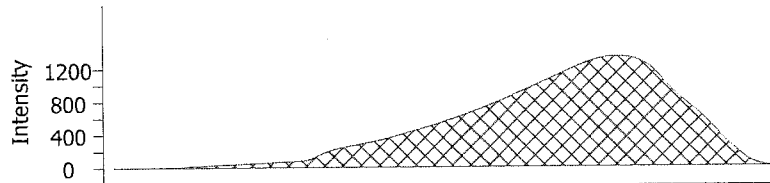
Carbon %
11.92



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0754	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:50:18 AM		C05	

Carbon %
11.88

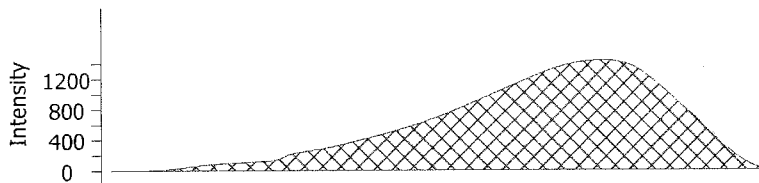


SC632

501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1015	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:52:58 AM		C06	

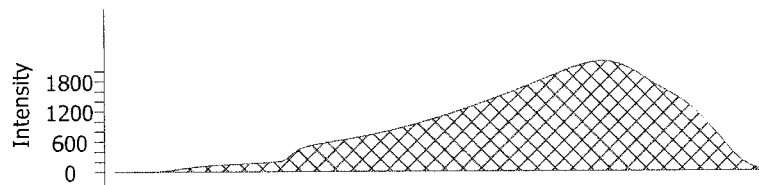
Carbon %
11.96



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1514	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:55:34 AM		C07	

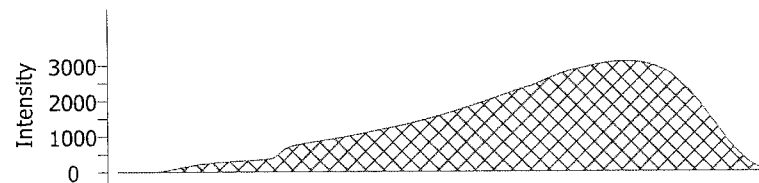
Carbon %
12.02



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.2513	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:58:17 AM		C08	

Carbon %
12.06

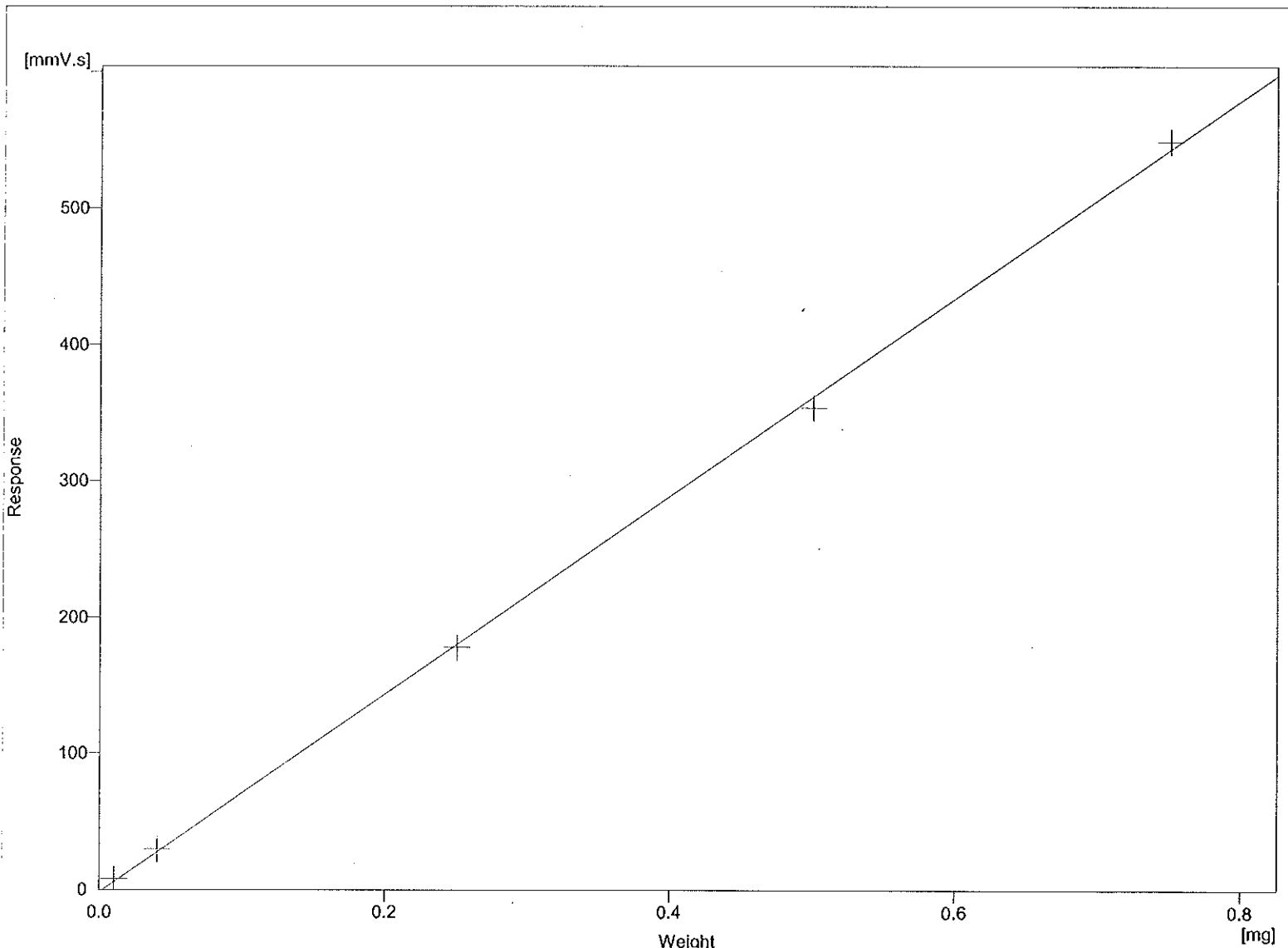


Element	Average	Std. Deviation	RSD	Count
Mass	0.2716	0.4	133.9	6
Carbon %	9.973	4.8861	48.99	6

Lloyd Kahn TOC
Instrument #2
Calibration
 Carbon - 1.316 min.

Peak Type : Refer
 Left Window : 0.3 min
 Right Window : 0.6 min
 Response Base : Area
 Curve Fit Type : Linear
 Zero Type : Zero not used
 Subst. Equation : $Y = 725.7893 \cdot X - 1.5058$
 Correlation Coef. : 0.999729

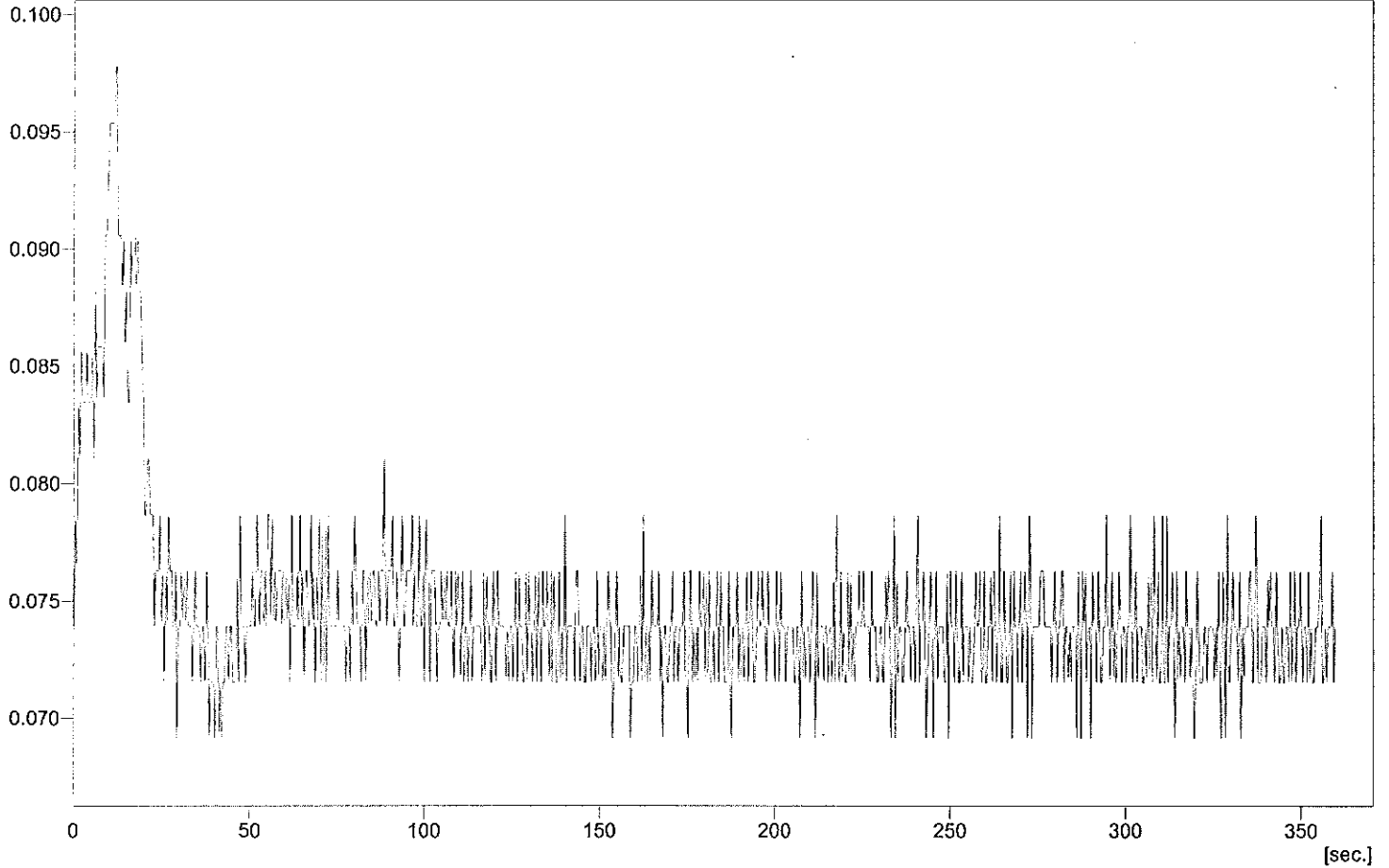
	Response	Weight	Resp. Factor	Used
1	0.000	0.000	0.0000	Yes
2	7.922	0.010	0.0013	Yes
3	29.804	0.040	0.0013	Yes
4	177.739	0.250	0.0014	Yes
5	353.915	0.501	0.0014	Yes
6	549.441	0.751	0.0014	Yes
7	0.000	0.000	0.0000	Yes
8	0.000	0.000	0.0000	Yes
9	0.000	0.000	0.0000	Yes
10	0.000	0.000	0.0000	Yes
11	0.000	0.000	0.0000	Yes
12	0.000	0.000	0.0000	Yes
13	0.000	0.000	0.0000	Yes
14	0.000	0.000	0.0000	Yes
15	0.000	0.000	0.0000	Yes
16	0.000	0.000	0.0000	Yes
17	0.000	0.000	0.0000	Yes
18	0.000	0.000	0.0000	Yes
19	0.000	0.000	0.0000	Yes
20	0.000	1.00e-04	0.0000	Yes



Lloyd Kahn TOC
Instrument #2

Created : 5/25/2012 1:01:09 PM
Project : WORK2
Weight : 0 mg
Sample : STD1
Calibration : 052512Z

By : None
Style : Channel2
Chromatogram : 052512Z001

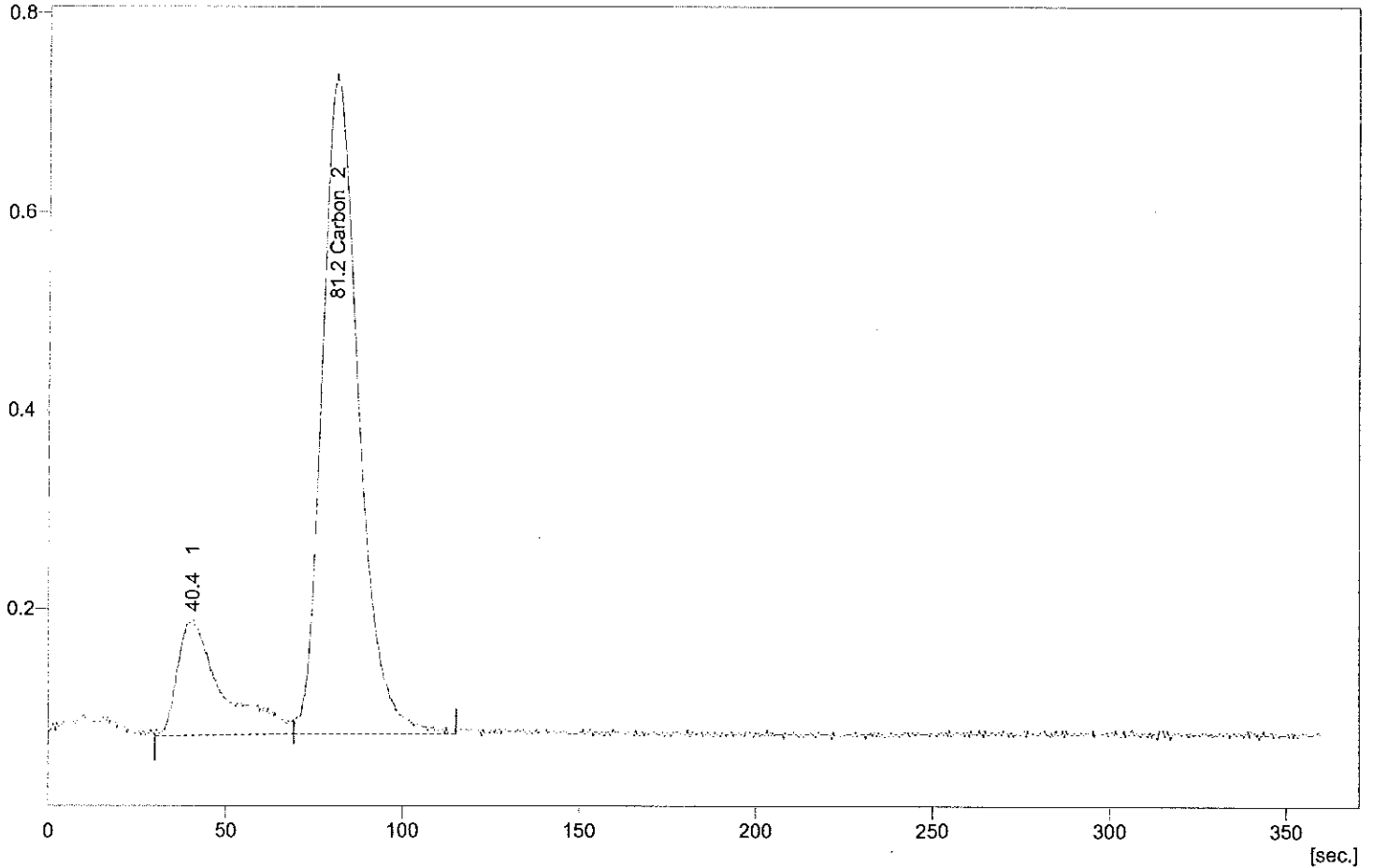


Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.333						Refer
	Total	0.000	100.0	0.000	100.0000		

Lloyd Kahn TOC
Instrument #2

Created : 5/25/2012 1:07:46 PM By : None
 Project : WORK2 Style : Channel2
 Weight : 0.0213 mg
 Sample : STD2 Chromatogram : 052512Z002
 Calibration : 052512Z



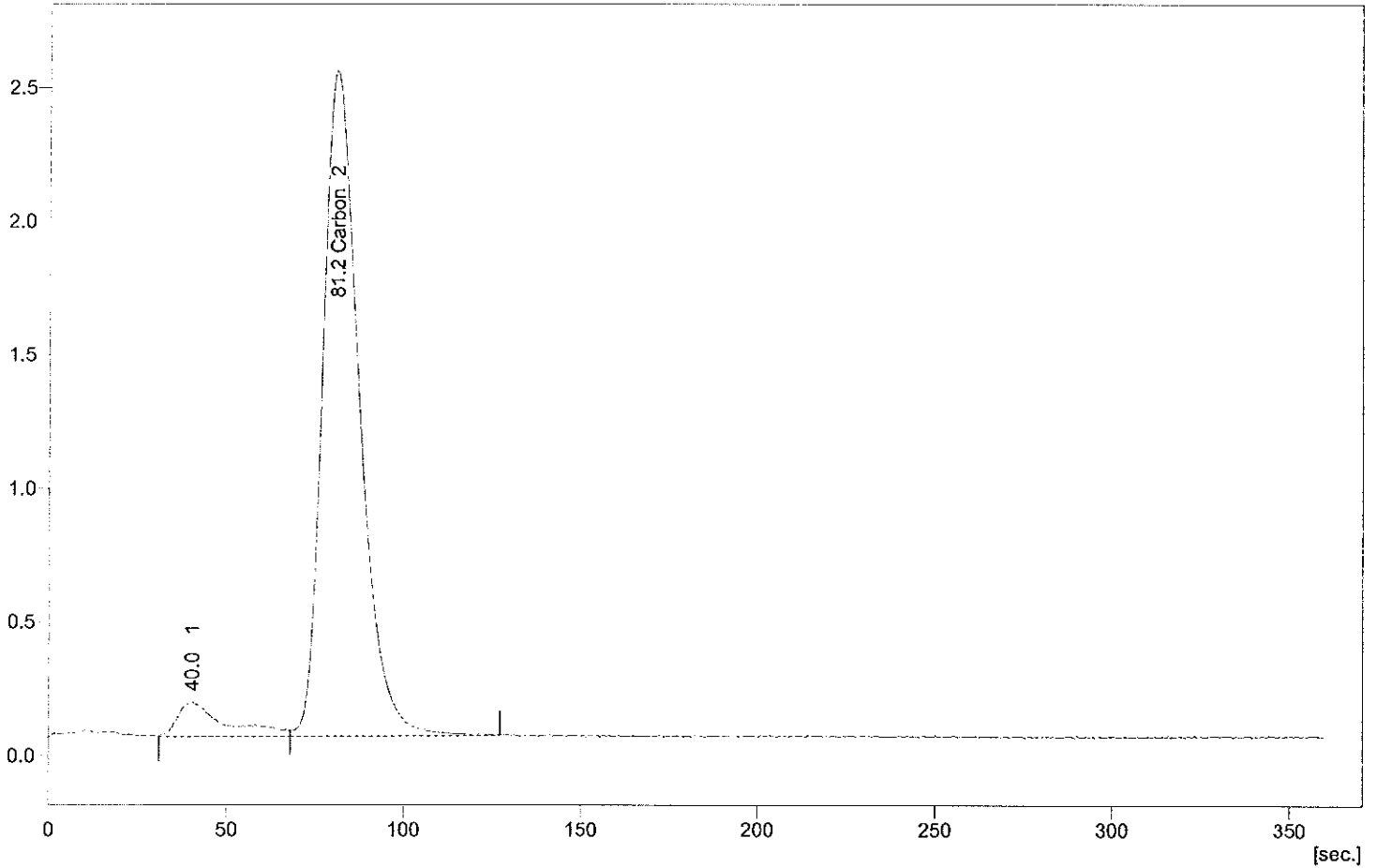
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.353	7.922	82.2	0.010	47.0500	1.0000	Refer
	Total	9.637	100.0	0.021	47.0500		

Lloyd Kahn TOC
Instrument #2

Created : 5/25/2012 1:14:23 PM
 Project : WORK2
 Weight : 0.0851 mg
 Sample : STD3
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z003



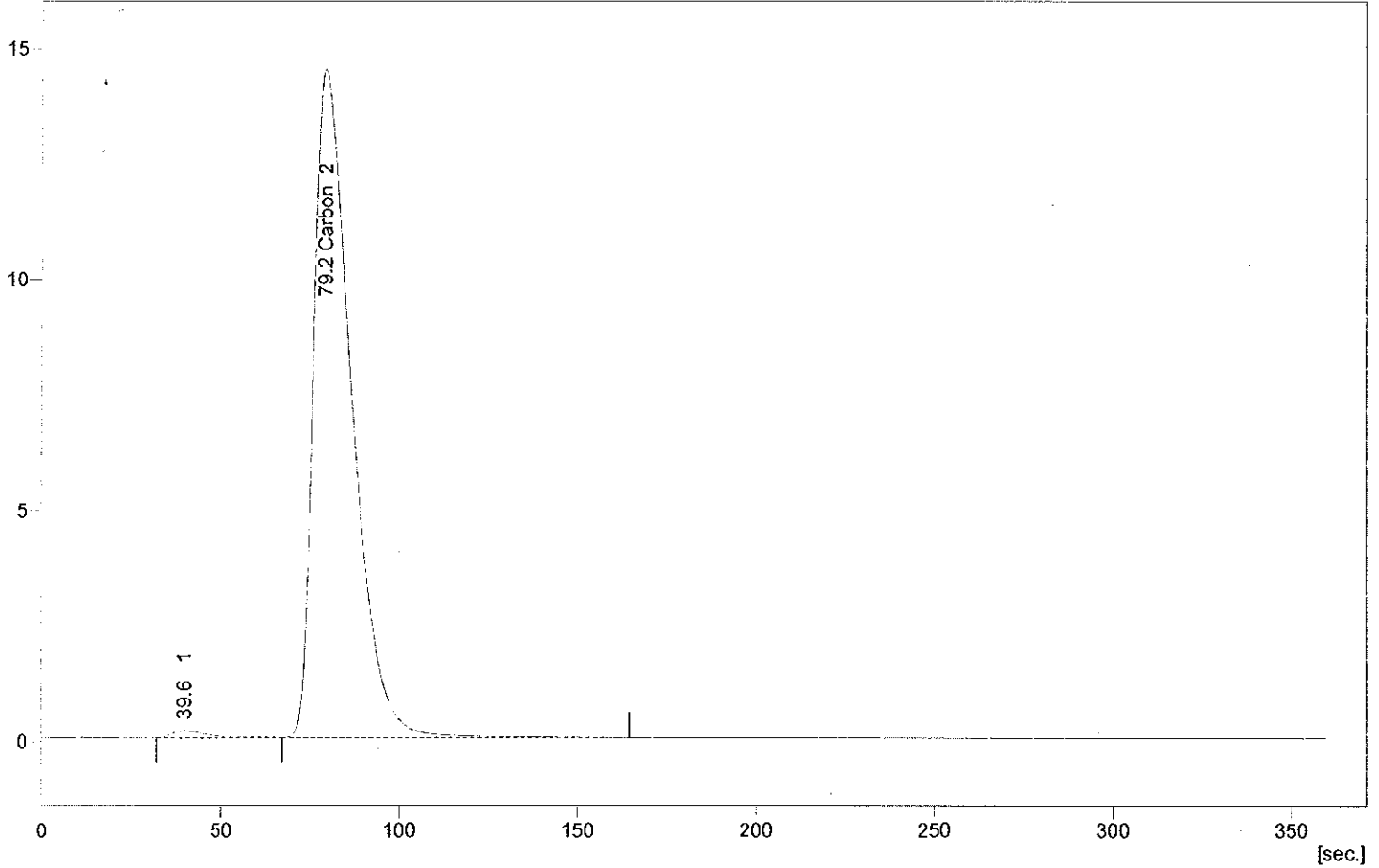
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.353	29.804	93.7	0.040	47.0500	1.0000	Refer
	Total	31.796	100.0	0.085	47.0500		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:21:01 PM
 Project : WORK2
 Weight : 0.532 mg
 Sample : STD4
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z004



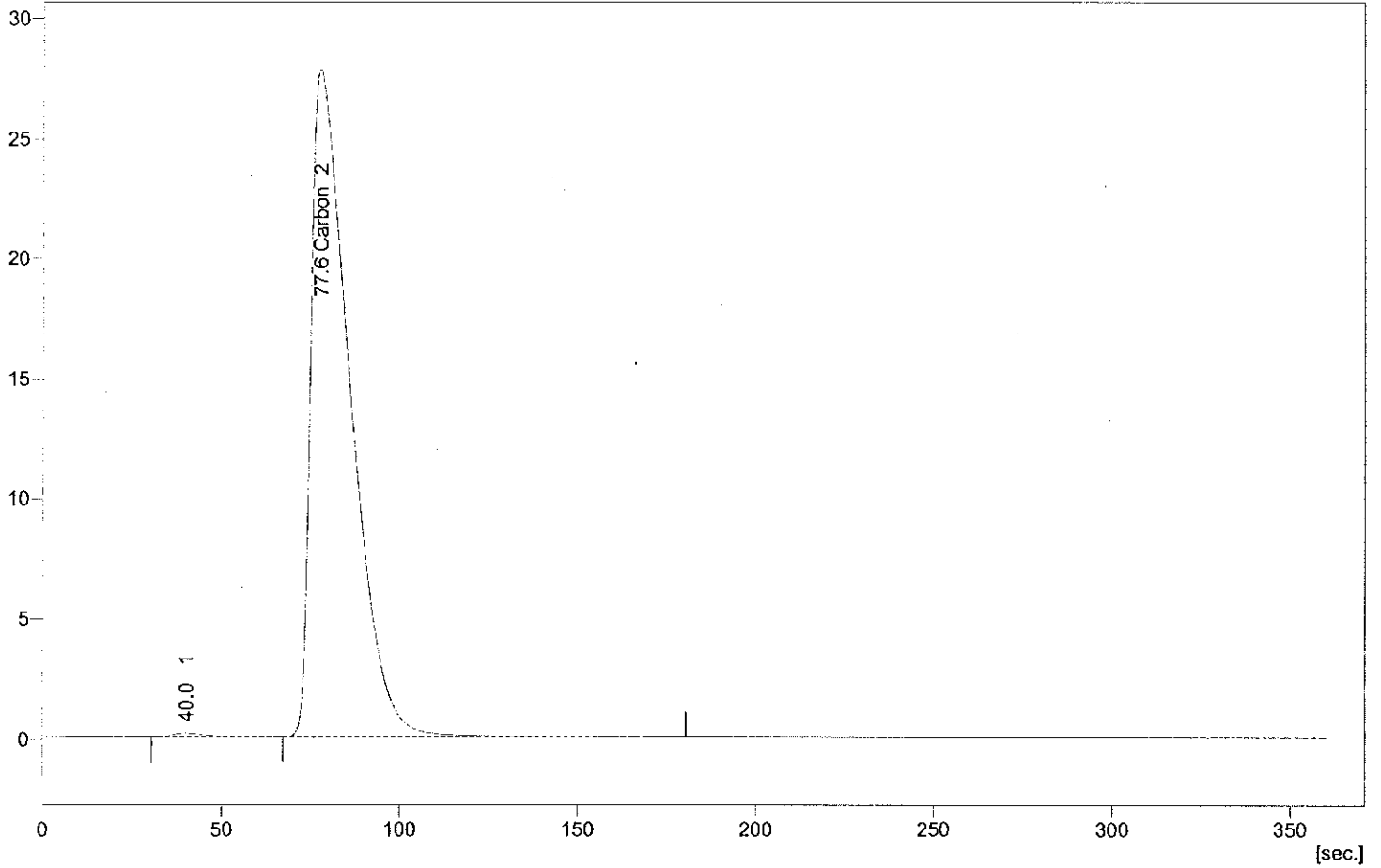
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.320	177.739	98.9	0.250	47.0377	1.0000	Refer
	Total	179.627	100.0	0.532	47.0377		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:27:48 PM
 Project : WORK2
 Weight : 1.064 mg
 Sample : STD5
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z005



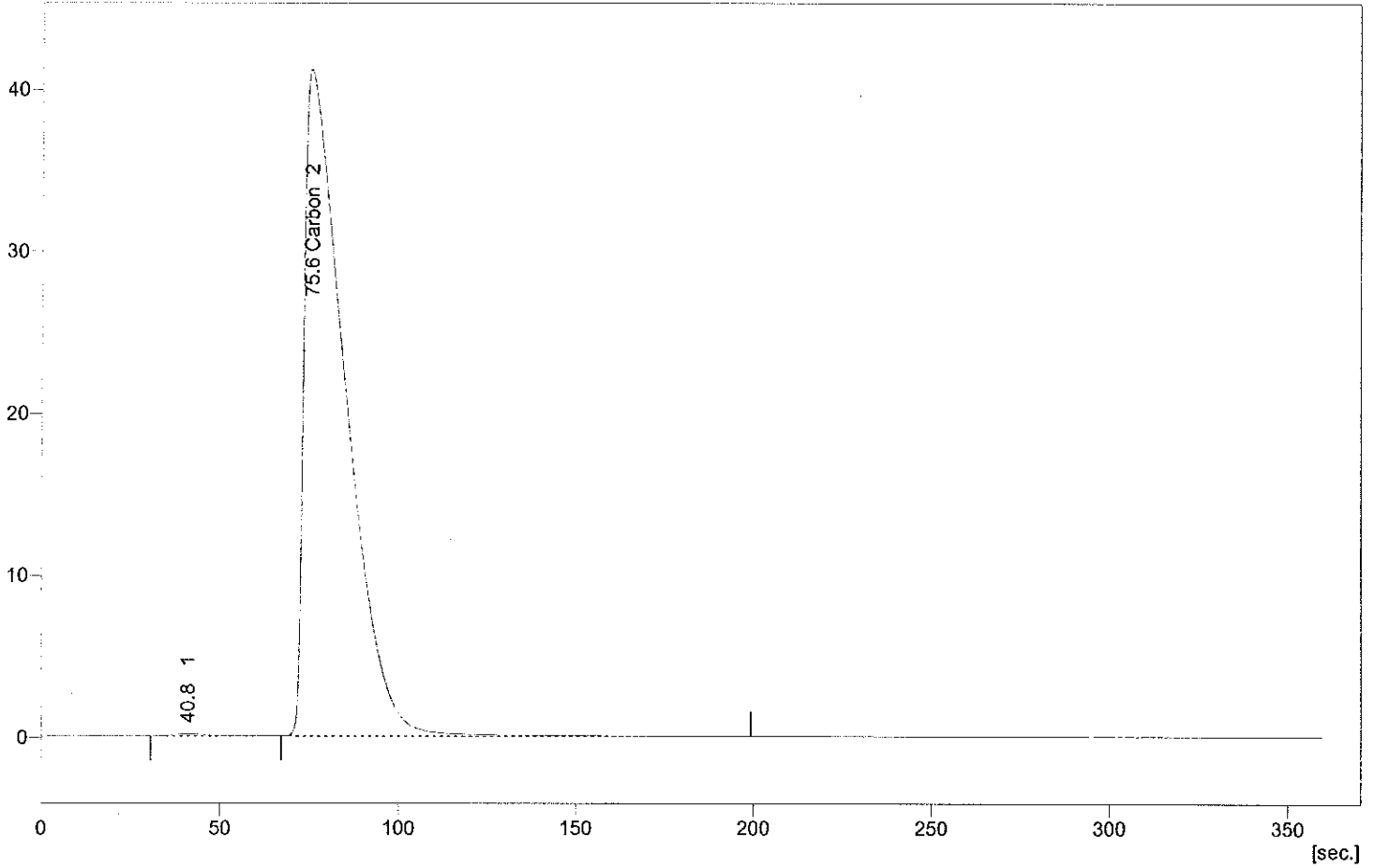
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.293	353.915	99.3	0.500	47.0395	1.0000	Refer
	Total	356.290	100.0	1.064	47.0395		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:34:27 PM
 Project : WORK2
 Weight : 1.596 mg
 Sample : STD6
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z006



Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.260	549.441	99.6	0.759	47.5627	1.0000	Refer
	Total	551.562	100.0	1.596	47.5627		

**Total Organic Carbon
Soils Benchsheet**

Date: 5/29/12	Start Time: 1452	Instrument ID: Ch-2 → 052912C
Analyst: AWI	Stop Time: 2027	Oven ID: NA
TALS Batch: 39474		

STANDARD CURVE		Reagent ID	Concentration mg/L	Amount µL	Curve Results
Lab ID	Type				
CAL Level 1	CAL	NA	0	0	
CAL Level 2	CAL	WELK CAL01-0002	100	100	Date Analyzed: 05/25/12
CAL Level 3	CAL	WELK CAL01-0002	1001	40	correlation coefficient (r) = 0.999729
CAL Level 4	CAL	WELK CAL1-0006	10012	25	Criteria: (r) ≥ 0.995
CAL Level 5	CAL	"	10012	50	TALS Batch:
CAL Level 6	CAL	"	10012	75	

Method Version: (Circle)
 Lloyd Khan LK Modified Black Carbon Particulate Organic Carbon (POC) Marine Sediments(301H)

SAMPLE PREPARATION LOG

Drop #	Lab ID	Type	REP	Sample WT mg	Lab ID	Type	REP	Sample WT mg	Drop #
1	Acetanilide	NA	NA	0.522	580-32803-A-30	NA	NA	9.517	29
2	Blank			10	"			9.975	30
3	MR			10	580-32803-A-36			9.315	31
4	MB			10	"			9.984	32
5	LCS			9.702	580-32803-A-41			10.024	33
6	LCS			9.270	"			10.263	34
7	580-32803-A-7			9.915	580-32803-A-42			9.481	35
8	"			9.965	"			9.257	36
9	580-32803-A-10			9.565	580-32803-A-43			9.567	37
10	"			10.248	"			10.256	38
11	580-32803-A-15			10.323	580-32803-A-44			9.956	39
12	"			10.378	"			9.336	40
13	580-32803-A-16			9.725	580-32803-A-45			9.770	41
14	"			9.618	"			9.350	42
15	580-32803-A-17			10.103	580-32803-A-46			9.806	43
16	"			9.921	"			10.025	44
17	580-32803-A-18			9.959	Acetanilide			0.460	45
18	"			9.645	Blank			10	46
19	580-32803-A-19			9.672	580-32803-A-53			9.787	47
20	"			10.054	"			9.858	48
21	580-32803-A-20			10.083	Acetanilide			0.544	49
22	"			10.031	Blank			10	50
23	Acetanilide		NA	8.462					51
24	Blank			10					52
25	580-32803-A-21			9.738					53
26	"			10.069					54
27	580-32803-A-26			10.144					55
28	"			9.280					56

STANDARD & REAGENT TRACEABILITY: WELK CAL1-0006

Potassium Hydrogen Phthalate (ICAL) Container ID: ↓	LCS Container ID: WCPCLLS-0006
Acetanilide (CCV) Container ID: WELKCCV5-0006	1:19 Phosphoric Acid Container ID: WCPA19-0026
Matrix Spike Container ID: NA	

* AWI 5/29/12

Total Organic Carbon by Lloyd Kahn

File: 052912C Channel: 2
 Default Mass: 10.0000 mg
 Acetanilide TV, %C: 71.09 LCS TV, %C: 0.99

Weight	Sample ID	% Carbon	mg/Kg Carbon	Average (mg/Kg)	QC recovery	Sample RPD	RA	Adjusted RL (mg/Kg)
0.522	ACETANILIDE	74.2463	742463.00		104%			
10	BLANK	0	0.00					
10	MB	0.0331	331.00					
10	MB	0.0364	364.00	347.50		9%		U1000
9.702	LCS	0.9486	9486.00					
9.27	LCS	1.1861	11861.00	10673.50	108%	22%		1079
9.915	580-32803-A-7	0.1869	1869.00					
9.965	580-32803-A-7	0.1711	1711.00	1790.00		9%		1009
9.565	580-32803-A-10	0.1752	1752.00					
10.248	580-32803-A-10	0.1509	1509.00	1630.50		15%		1045
10.323	580-32803-A-15	0.1204	1204.00					
10.378	580-32803-A-15	0.1195	1195.00	1199.50		1%		969
9.725	580-32803-A-16	0.1544	1544.00					
9.618	580-32803-A-16	0.1402	1402.00	1473.00		10%		1040
10.103	580-32803-A-17	0.1759	1759.00					
9.921	580-32803-A-17	0.1532	1532.00	1645.50		14%		1008
9.959	580-32803-A-18	0.1443	1443.00					
9.645	580-32803-A-18	0.1633	1633.00	1538.00		12%		1037
9.672	580-32803-A-19	0.1484	1484.00					
10.054	580-32803-A-19	0.1481	1481.00	1482.50		0%		1034
10.083	580-32803-A-20	0.1341	1341.00					
10.031	580-32803-A-20	0.1286	1286.00	1313.50		4%		997
0.462	ACETANILIDE	79.8123	798123.00		112%			
10	BLANK	0	0.00					
9.738	580-32803-A-21	0.1373	1373.00					
10.069	580-32803-A-21	0.1341	1341.00	1357.00		2%		1027
10.144	580-32803-A-26	0.1448	1448.00					
9.28	580-32803-A-26	0.1665	1665.00	1556.50		14%		1078
9.517	580-32803-A-30	0.1535	1535.00					
9.975	580-32803-A-30	0.151	1510.00	1522.50		2%		1051
9.315	580-32803-A-36	0.1661	1661.00					
9.984	580-32803-A-36	0.1636	1636.00	1648.50		2%		1074
10.024	580-32803-A-41	0.1258	1258.00					
10.263	580-32803-A-41	0.1255	1255.00	1256.50		0%		998
9.481	580-32803-A-42	0.2469	2469.00					
9.257	580-32803-A-42	0.1736	1736.00	2102.50		35%		1080
9.567	580-32803-A-43	0.1736	1736.00					
10.256	580-32803-A-43	0.1705	1705.00	1720.50		2%		1045
9.956	580-32803-A-44	0.1892	1892.00					
9.336	580-32803-A-44	0.1928	1928.00	1910.00		2%		1071
9.77	580-32803-A-45	0.1808	1808.00					
9.35	580-32803-A-45	0.2008	2008.00	1908.00		10%		1070
9.806	580-32803-A-46	0.1705	1705.00					
10.025	580-32803-A-46	0.1756	1756.00	1730.50		3%		1020
0.46	ACETANILIDE	76.2369	762369.00		107%			
10	BLANK	0	0.00					

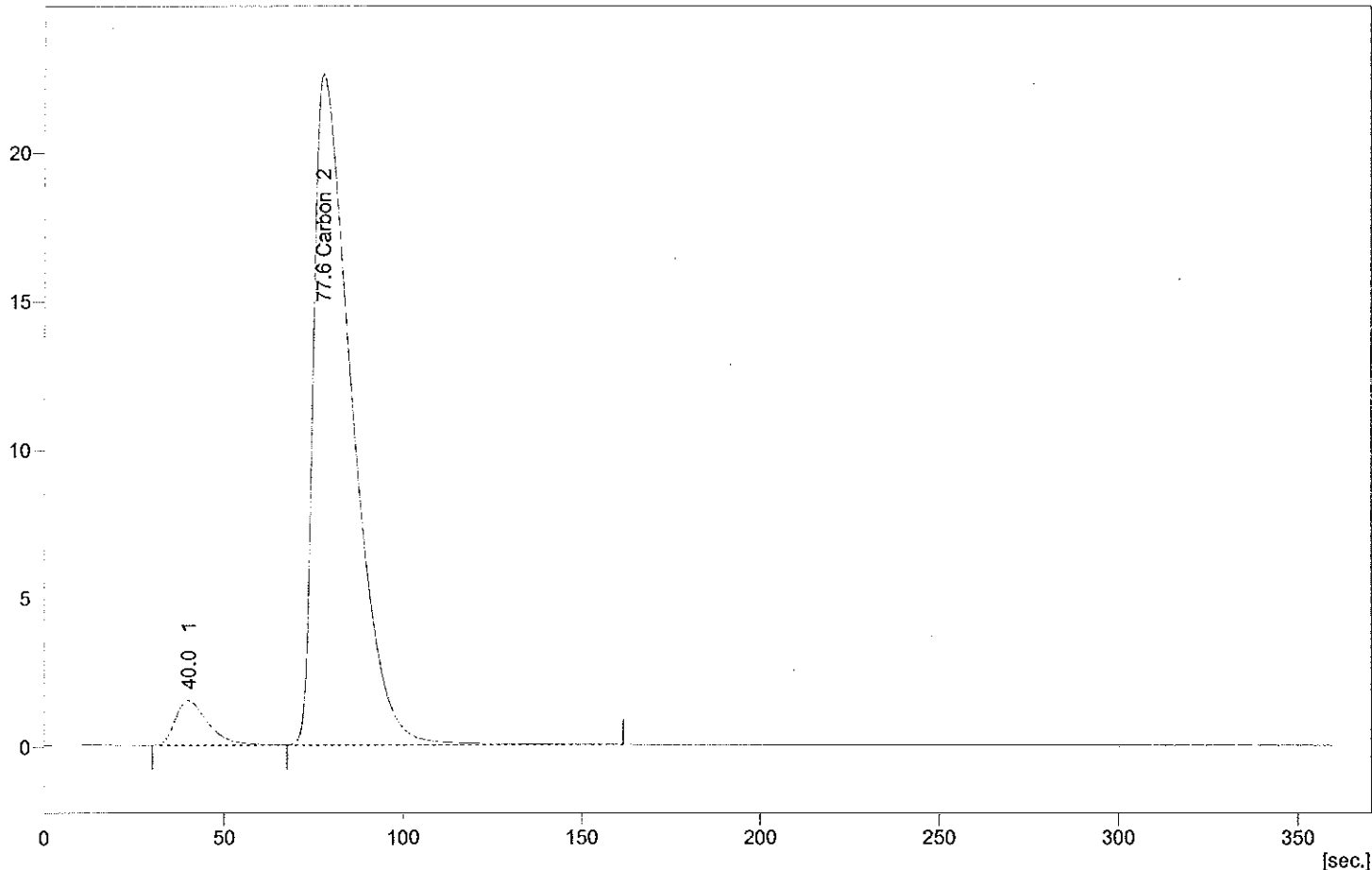
**Total Organic Carbon
by Lloyd Kahn**

9.787	580-32803-A-53	0.1377	1377.00				
9.858	580-32803-A-53	0.1371	1371.00	1374.00		0%	1022
0.544	ACETANILIDE	69.0488	690488.00		97%		
10	BLANK	0	0.00				

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 2:52:48 PM
 Project : WORK2
 Weight : 0.522 mg
 Sample : ACETANILIDE
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C001



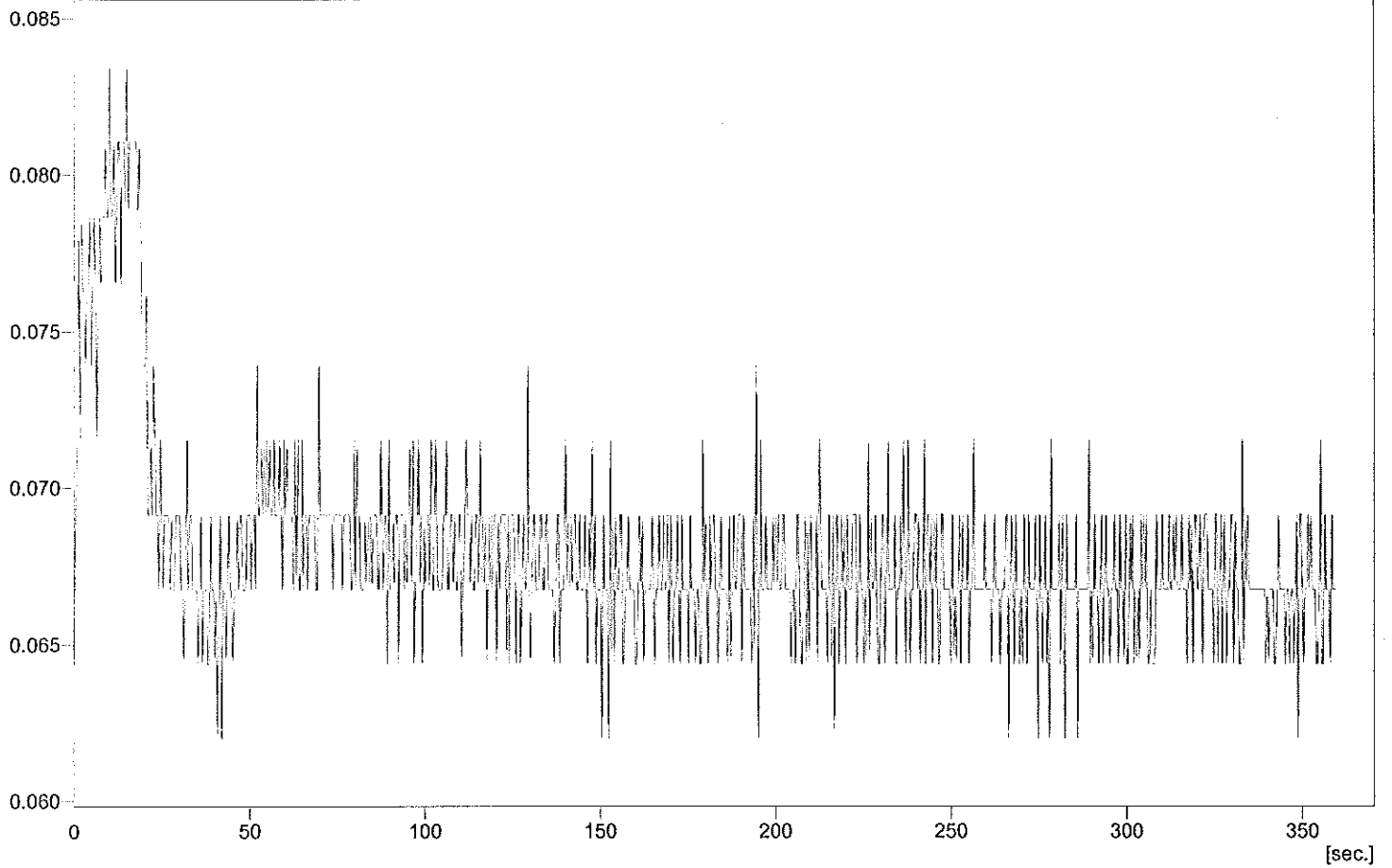
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.293	279.785	94.6	0.388	74.2463	1.0000	Refer
	Total	295.723	100.0	0.522	74.2463		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 2:59:26 PM
 Project : WORK2
 Weight : 10 mg
 Sample : BLANK
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C002



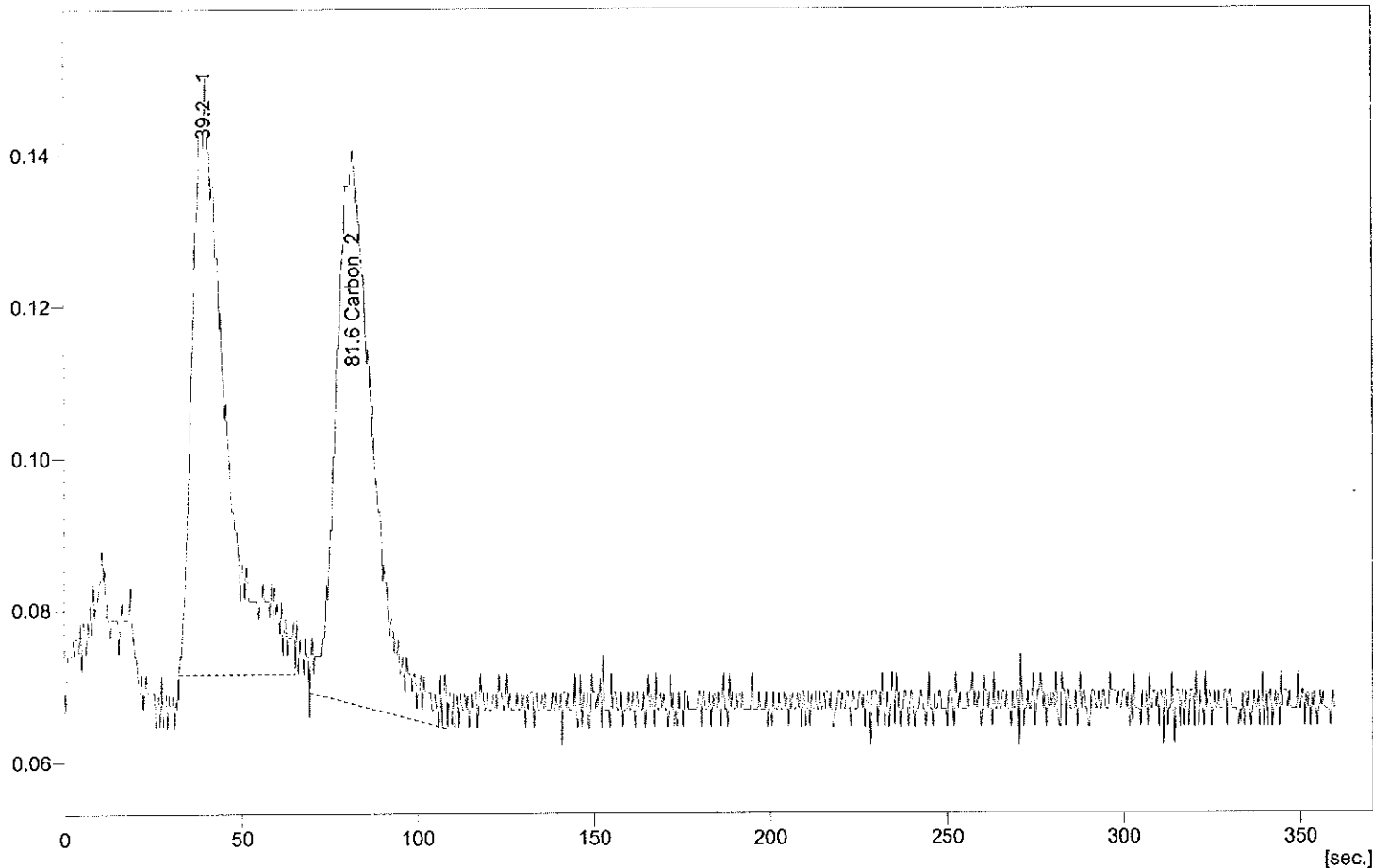
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.316						Refer
	Total	0.000	100.0	10.000	0.0000		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 3:06:02 PM
 Project : WORK2
 Weight : 10 mg
 Sample : MB
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C003



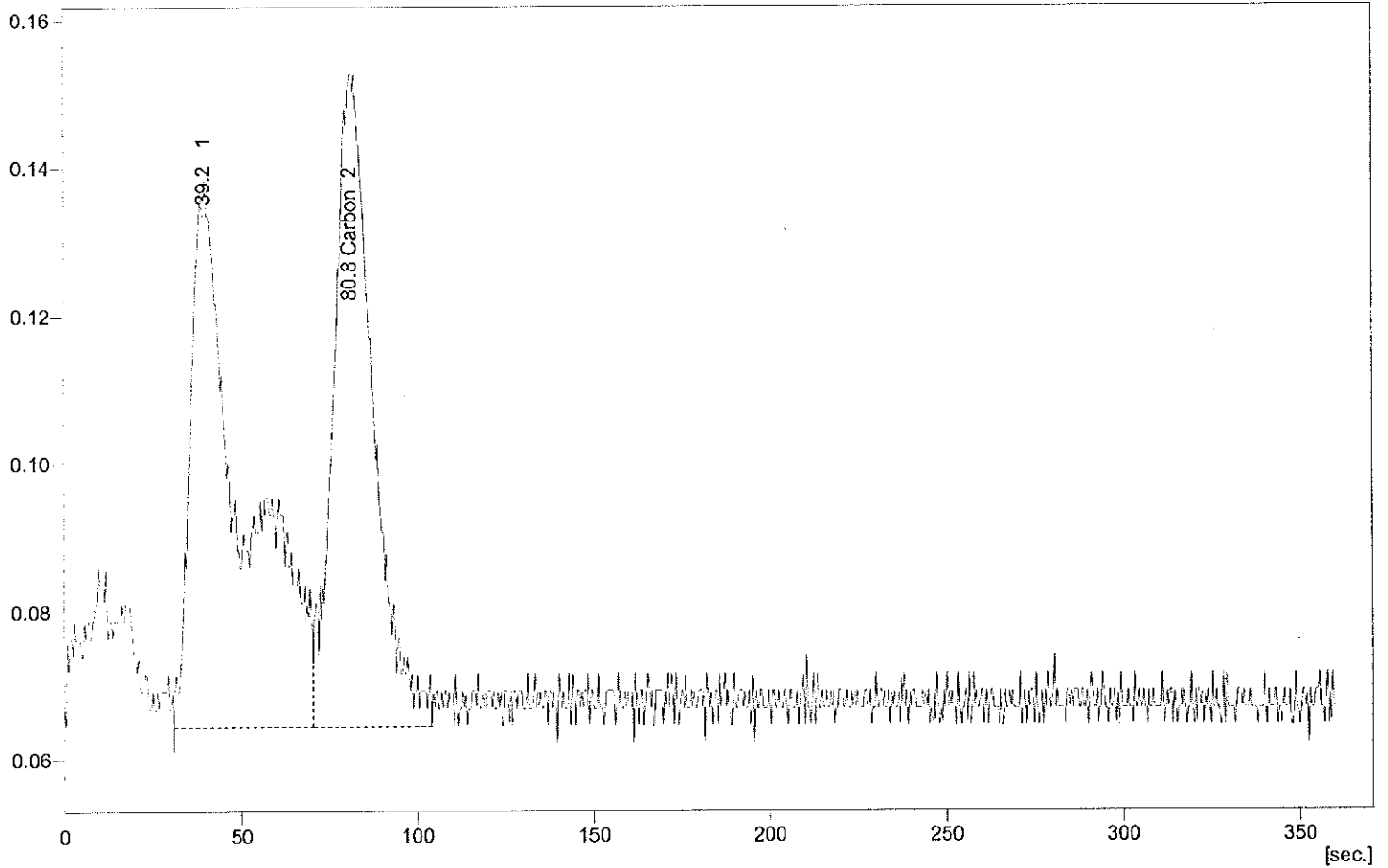
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.360	0.894	50.4	0.003	0.0331	1.0000	Refer
	Total	1.774	100.0	10.000	0.0331		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 3:12:37 PM
 Project : WORK2
 Weight : 10 mg
 Sample : MB
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C004



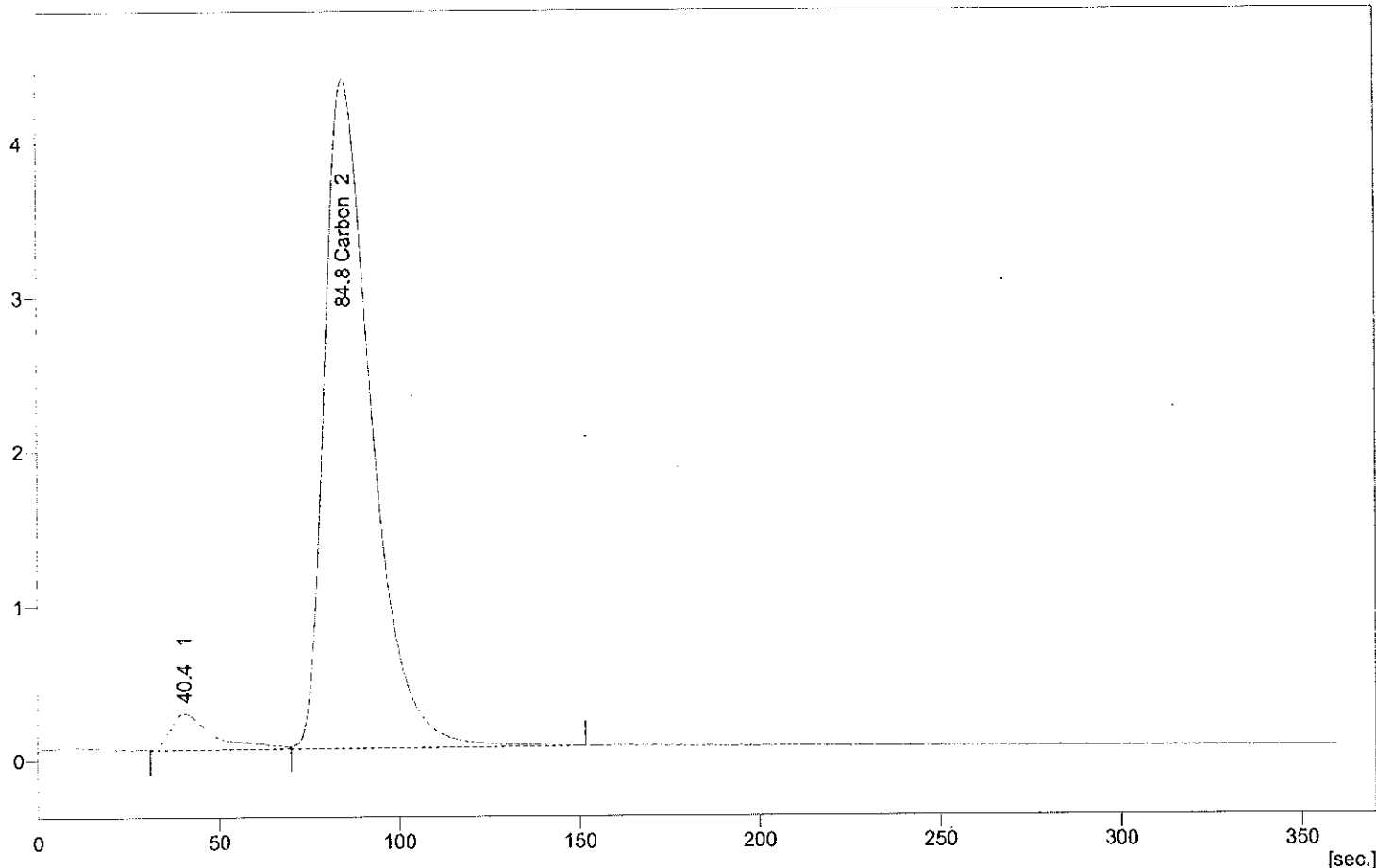
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.347	1.138	47.5	0.004	0.0364	1.0000	Refer
	Total	2.393	100.0	10.000	0.0364		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 3:19:12 PM
 Project : WORK2
 Weight : 9.702 mg
 Sample : LCS
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C005



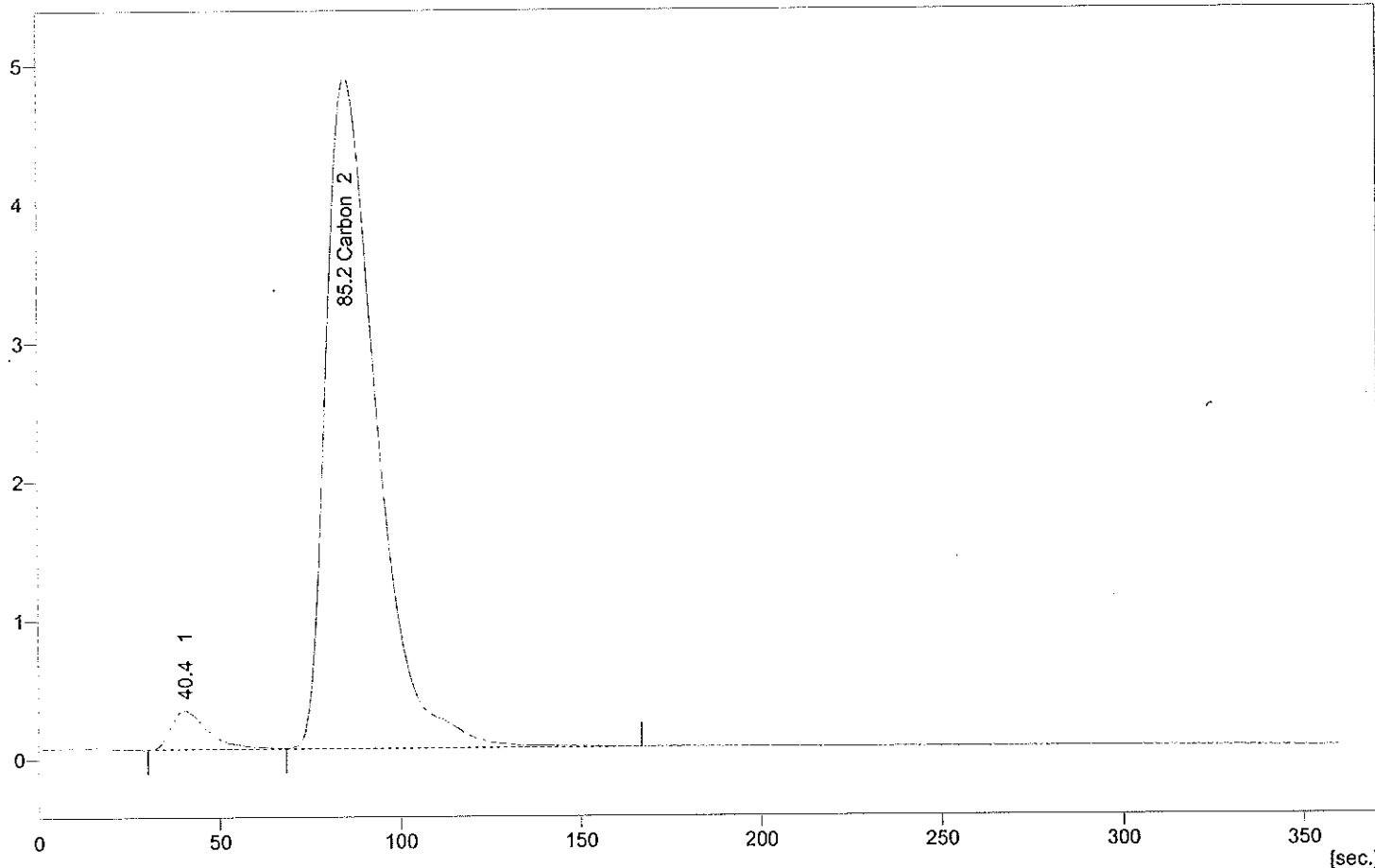
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.413	65.289	95.1	0.092	0.9486	1.0000	Refer
	Total	68.638	100.0	9.702	0.9486		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 3:25:49 PM
 Project : WORK2
 Weight : 9.27 mg
 Sample : LCS
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C006



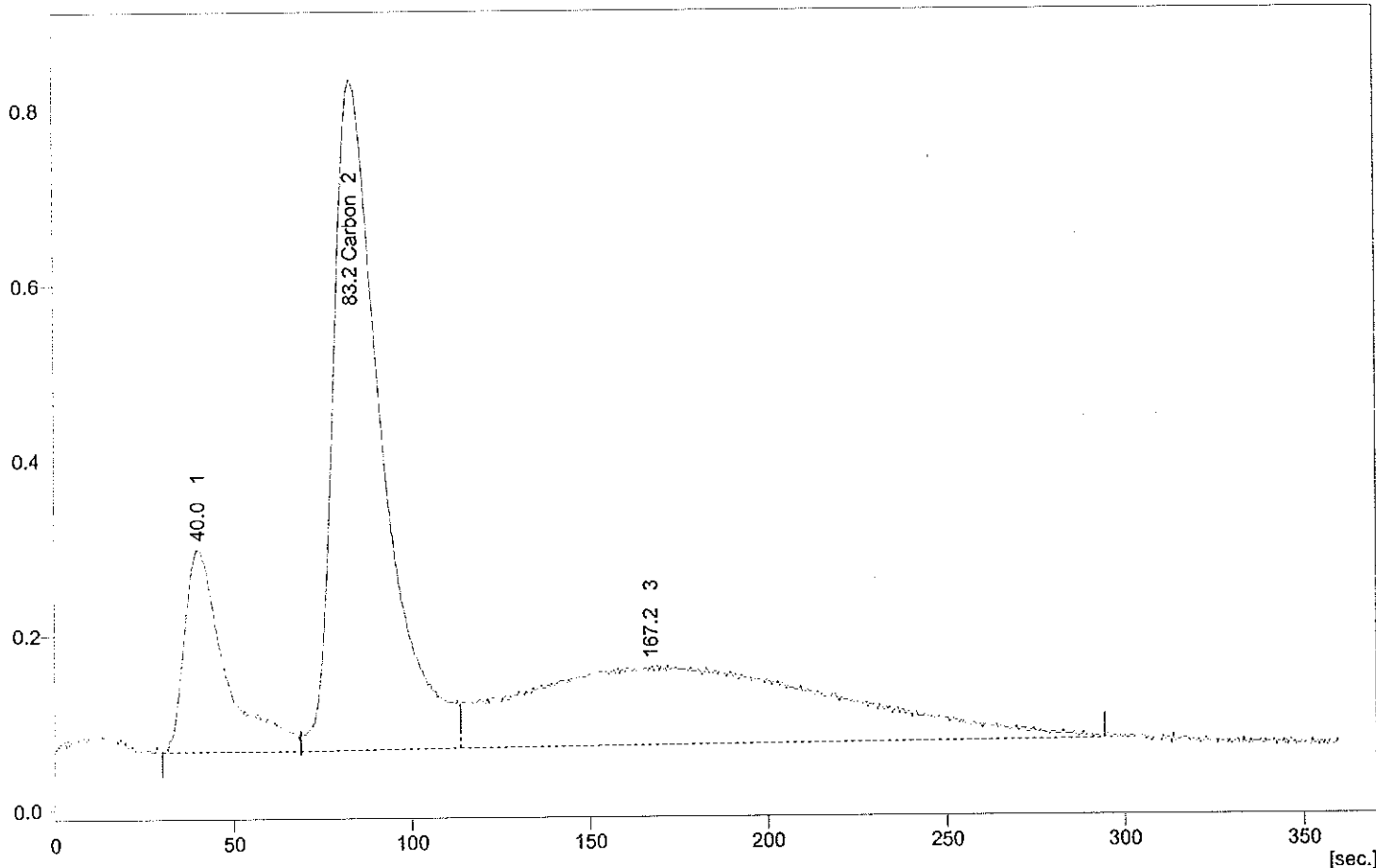
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.420	78.298	95.9	0.110	1.1861	1.0000	Refer
	Total	81.653	100.0	9.270	1.1861		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 3:40:43 PM
 Project : WORK2
 Weight : 9.915 mg
 Sample : 580-32803-A-7
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C007



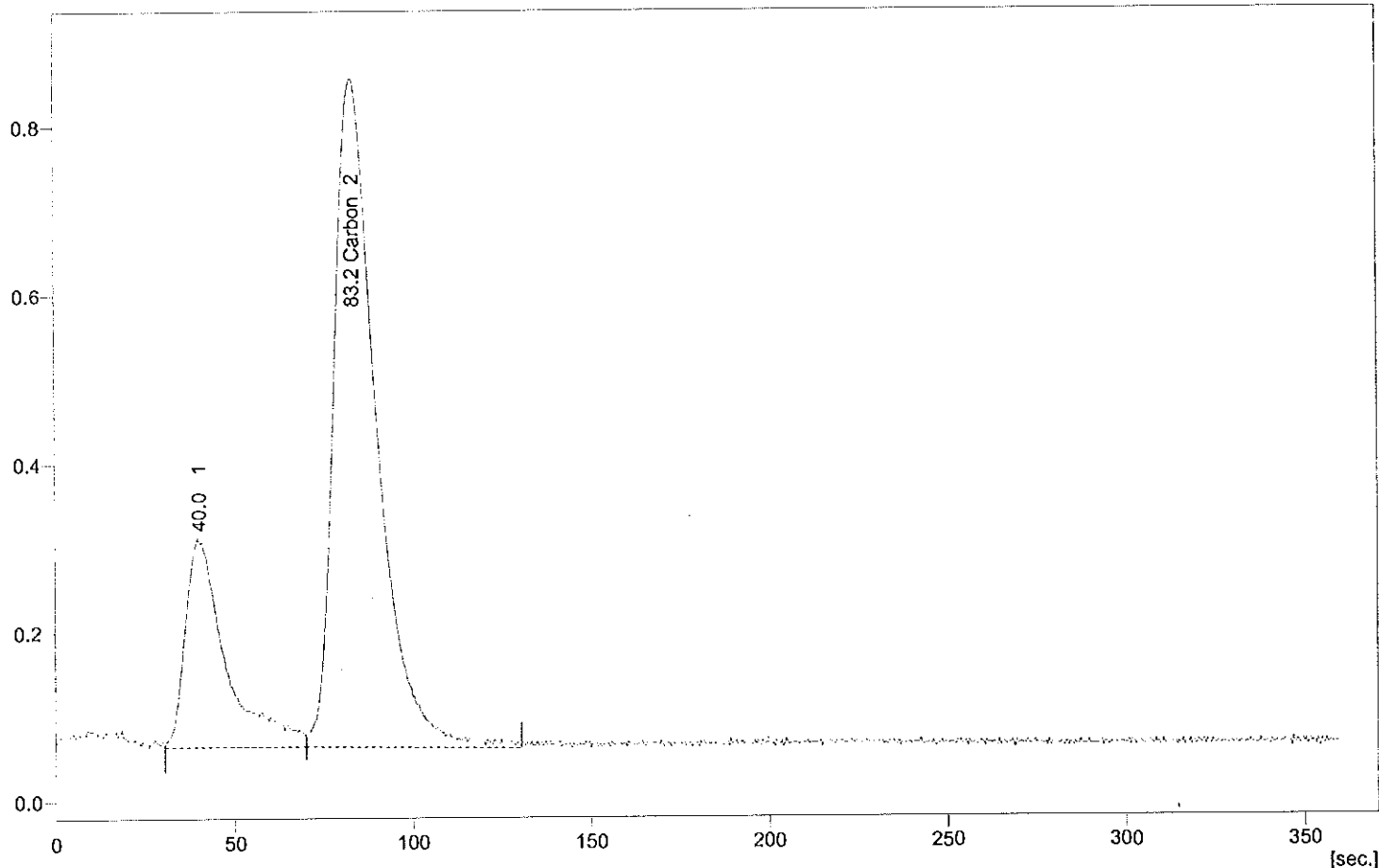
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	11.943	49.3	0.019	0.1869	1.0000	Refer
	Total	24.217	100.0	9.915	0.1869		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 3:47:20 PM
 Project : WORK2
 Weight : 9.965 mg
 Sample : 580-32803-A-7
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C008



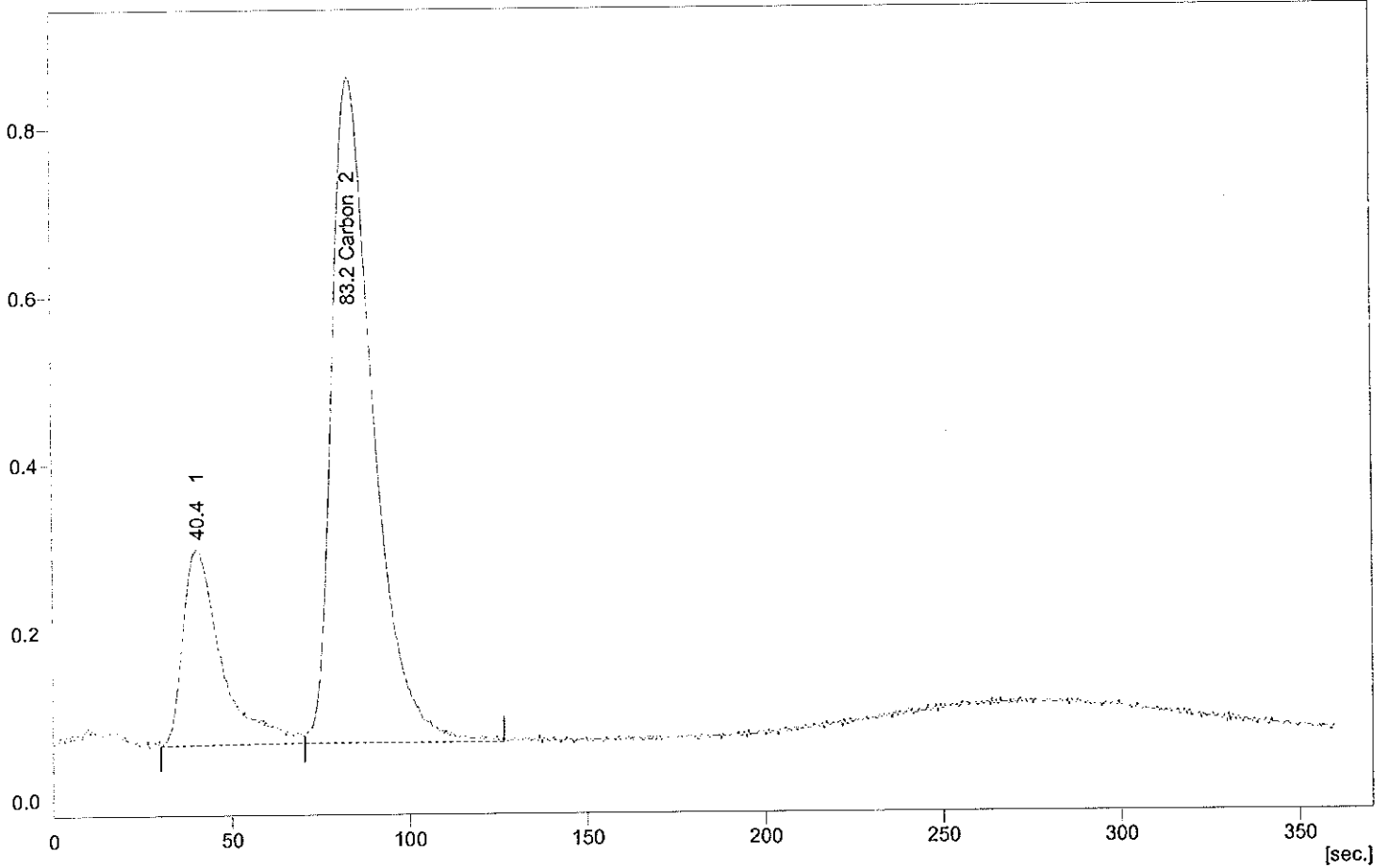
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	10.870	76.9	0.017	0.1711	1.0000	Refer
	Total	14.128	100.0	9.965	0.1711		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 3:53:56 PM
 Project : WORK2
 Weight : 9.565 mg
 Sample : 580-32803-A-10
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C009



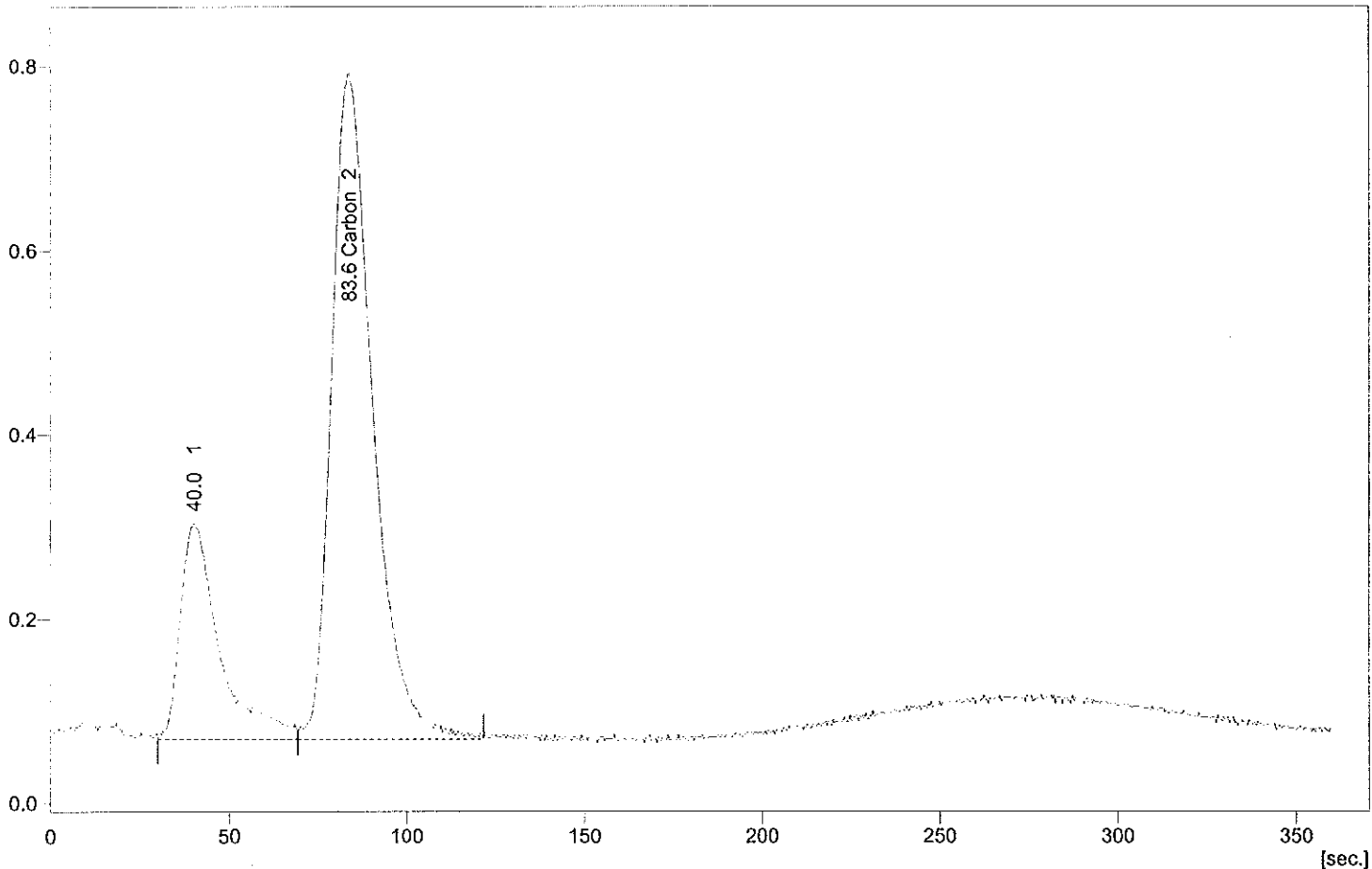
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	10.656	78.2	0.017	0.1752	1.0000	Refer
	Total	13.630	100.0	9.565	0.1752		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 4:00:33 PM
 Project : WORK2
 Weight : 10.248 mg
 Sample : 580-32803-A-10
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C010



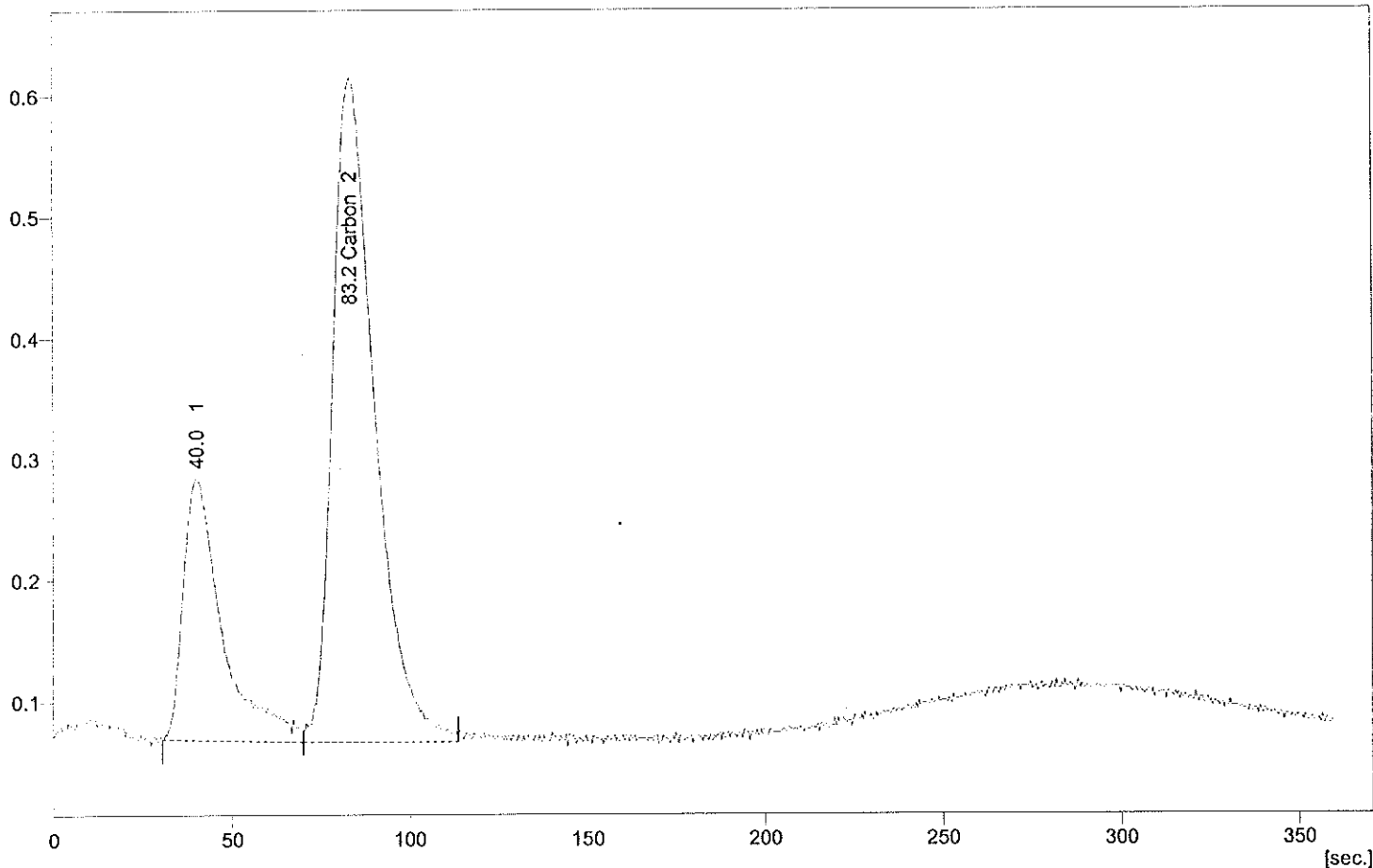
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	9.714	76.6	0.015	0.1509	1.0000	Refer
	Total	12.690	100.0	10.248	0.1509		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 4:07:10 PM
 Project : WORK2
 Weight : 10.323 mg
 Sample : 580-32803-A-15
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C011



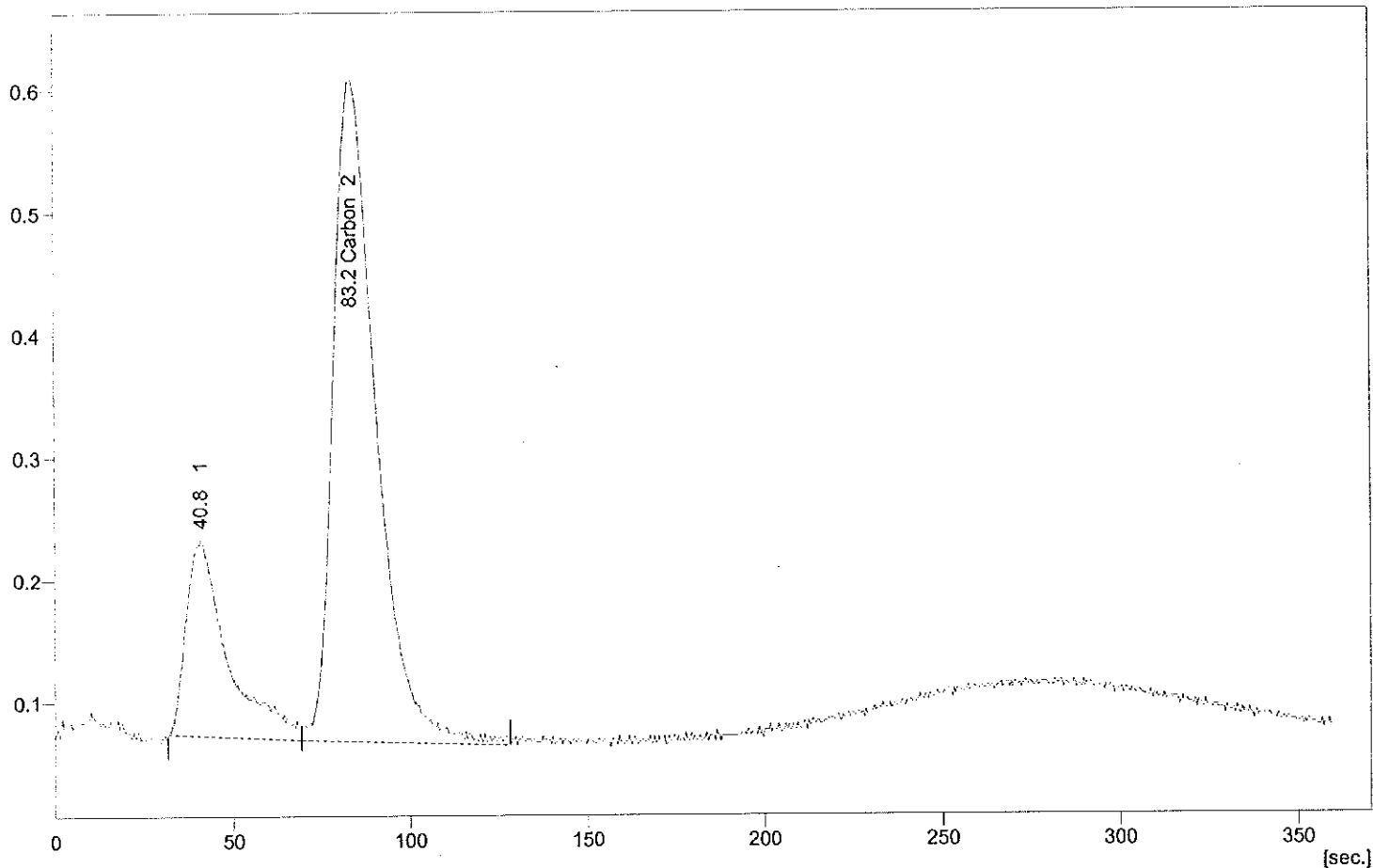
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	7.513	73.0	0.012	0.1204	1.0000	Refer
	Total	10.291	100.0	10.323	0.1204		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 4:13:47 PM
 Project : WORK2
 Weight : 10.378 mg
 Sample : 580-32803-A-15
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C012



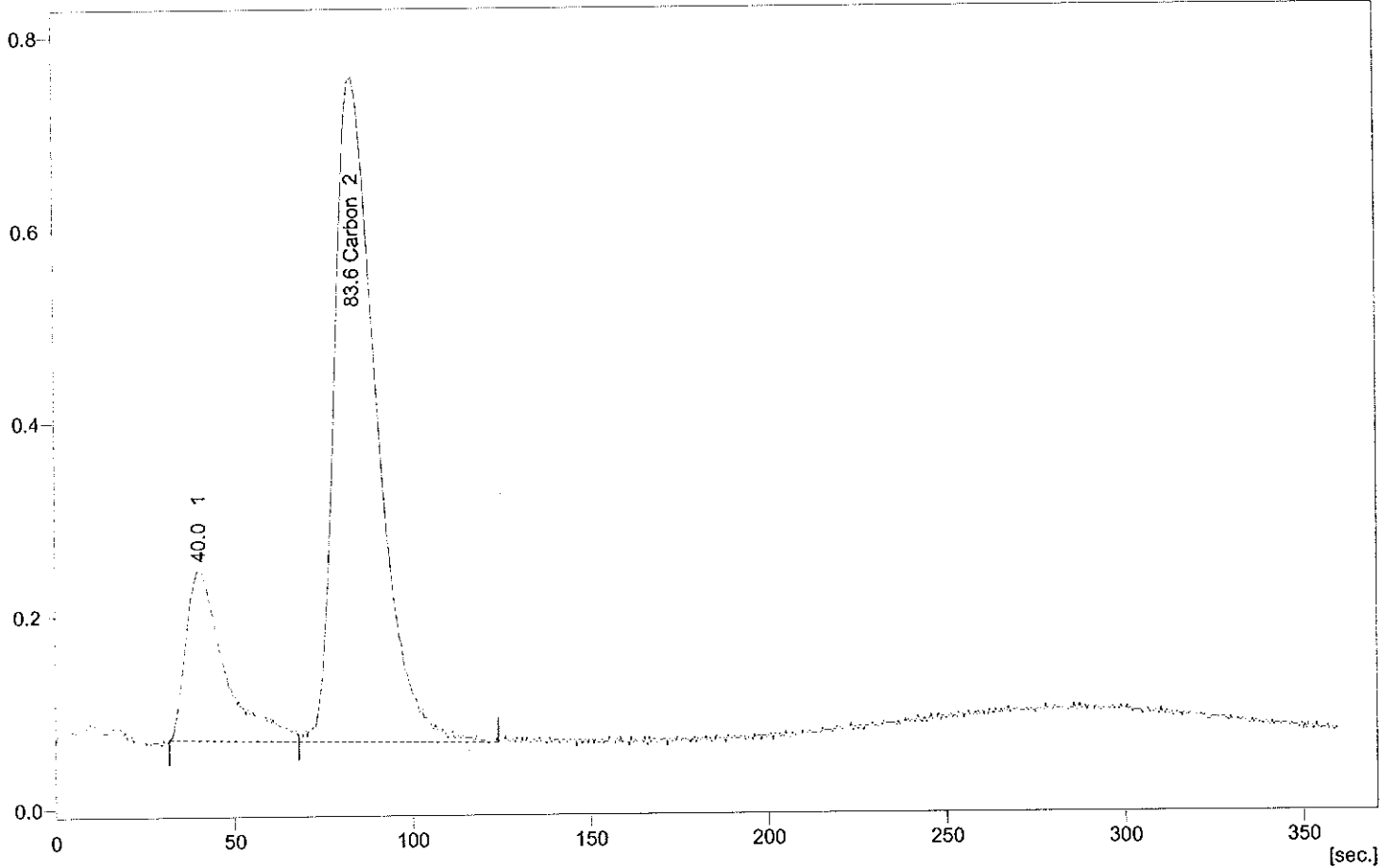
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	7.493	77.5	0.012	0.1195	1.0000	Refer
	Total	9.671	100.0	10.378	0.1195		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 4:20:25 PM
 Project : WORK2
 Weight : 9.725 mg
 Sample : 580-32803-A-16
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C013



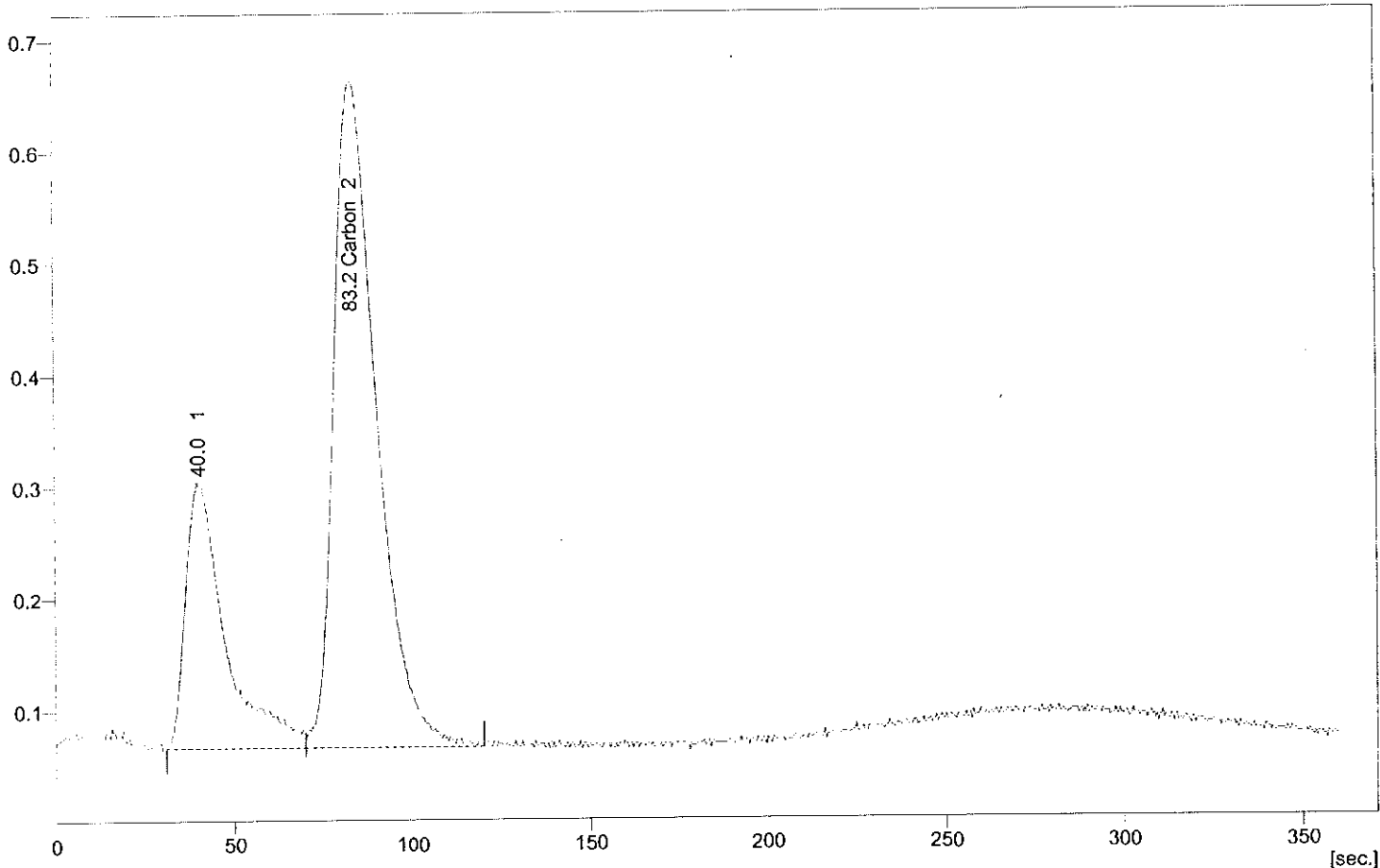
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	9.395	80.7	0.015	0.1544	1.0000	Refer
	Total	11.639	100.0	9.725	0.1544		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 4:27:03 PM
 Project : WORK2
 Weight : 9.618 mg
 Sample : 580-32803-A-16
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C014



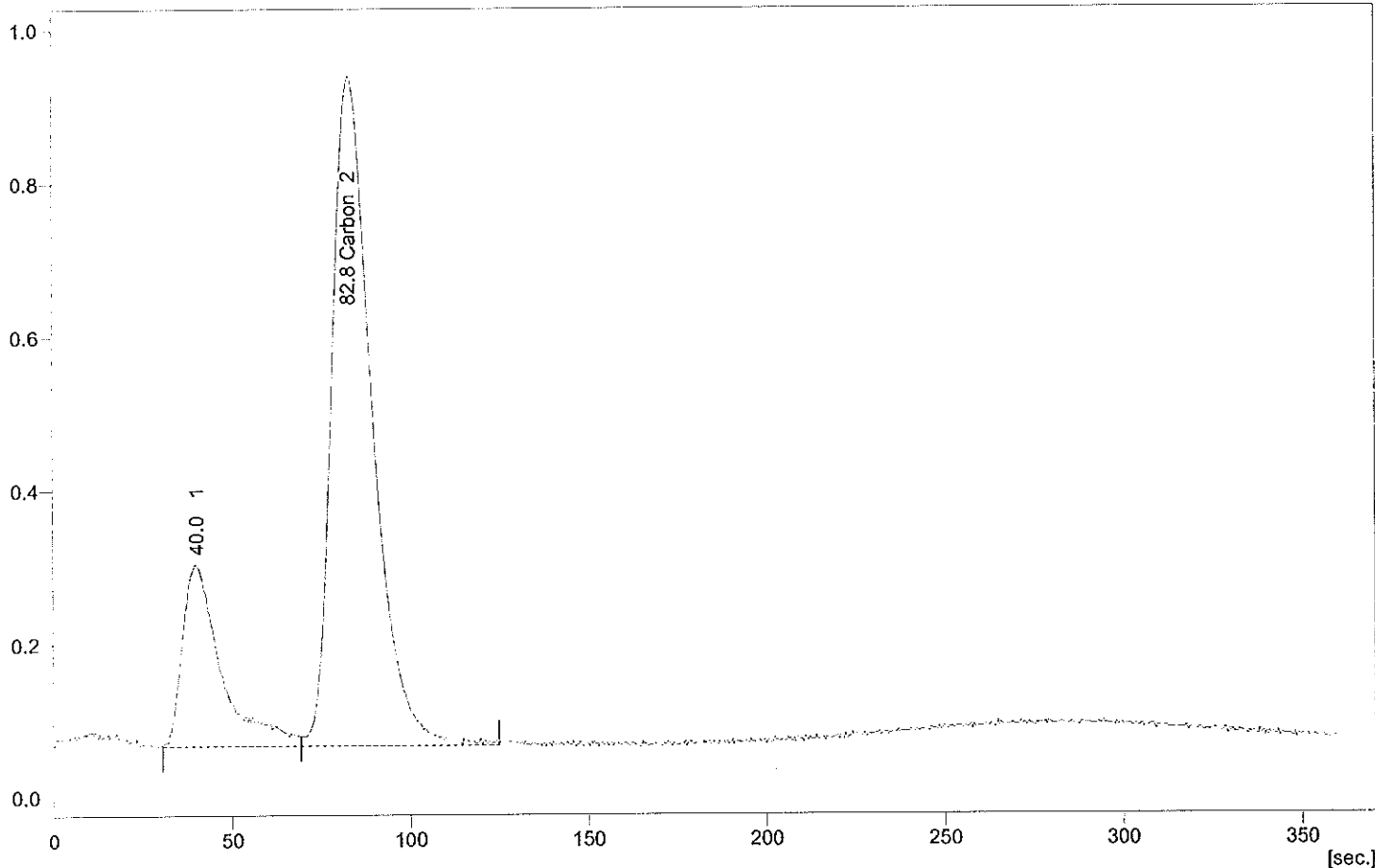
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	8.284	72.9	0.013	0.1402	1.0000	Refer
	Total	11.368	100.0	9.618	0.1402		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 4:33:41 PM
 Project : WORK2
 Weight : 10.103 mg
 Sample : 580-32803-A-17
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C015



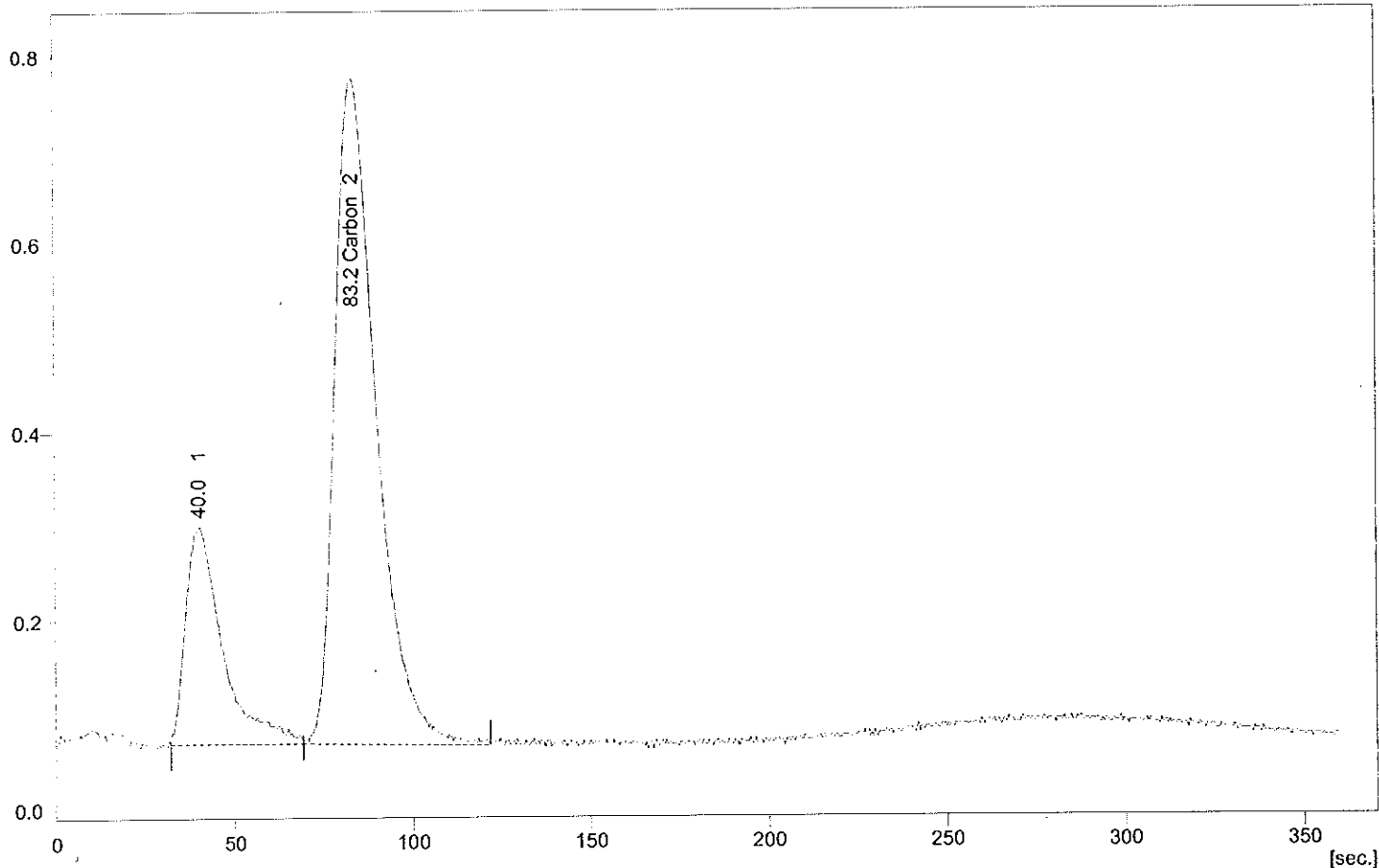
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.380	11.392	79.0	0.018	0.1759	1.0000	Refer
	Total	14.418	100.0	10.103	0.1759		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 4:40:19 PM
 Project : WORK2
 Weight : 9.921 mg
 Sample : 580-32803-A-17
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C016



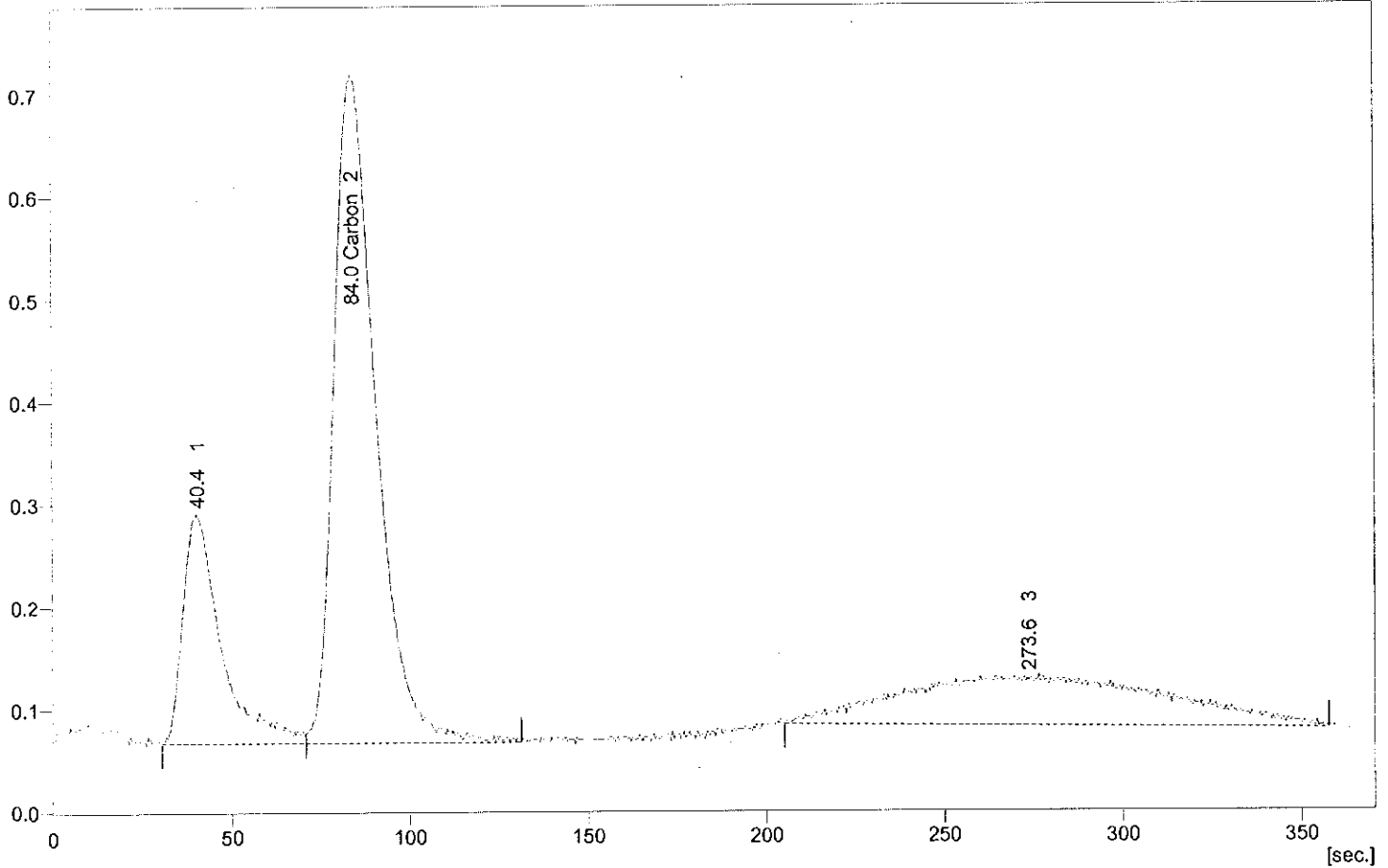
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	9.525	77.3	0.015	0.1532	1.0000	Refer
	Total	12.319	100.0	9.921	0.1532		

Lloyd Kahn TOC
Instrument #2

Created : 5/29/2012 4:46:58 PM
Project : WORK2
Weight : 9.959 mg
Sample : 580-32803-A-18
Calibration : 052912C

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912C017



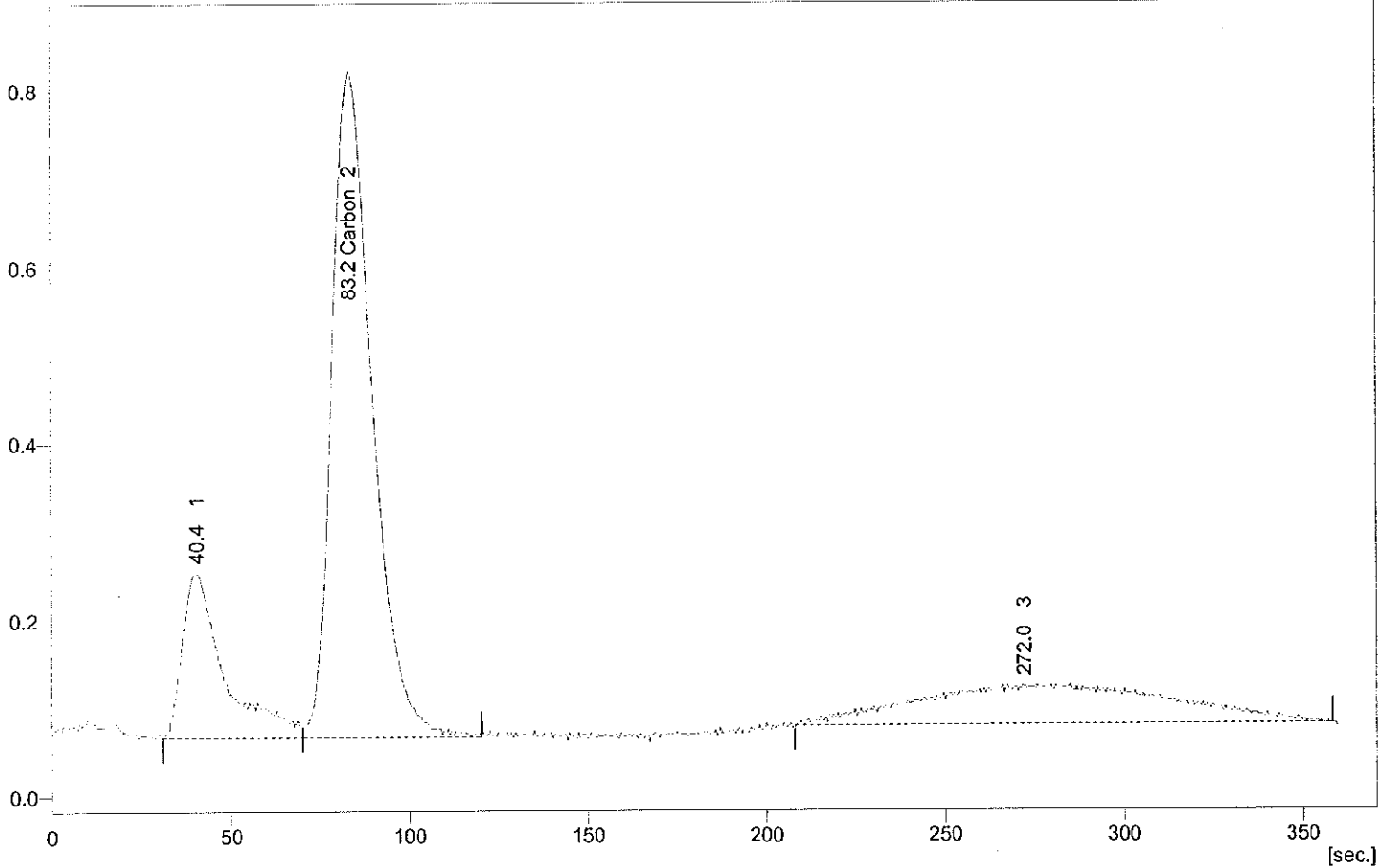
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.400	8.925	56.2	0.014	0.1443	1.0000	Refer
	Total	15.893	100.0	9.959	0.1443		

Lloyd Kahn TOC
Instrument #2

Created : 5/29/2012 4:53:37 PM
Project : WORK2
Weight : 9.645 mg
Sample : 580-32803-A-18
Calibration : 052912C

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912C018



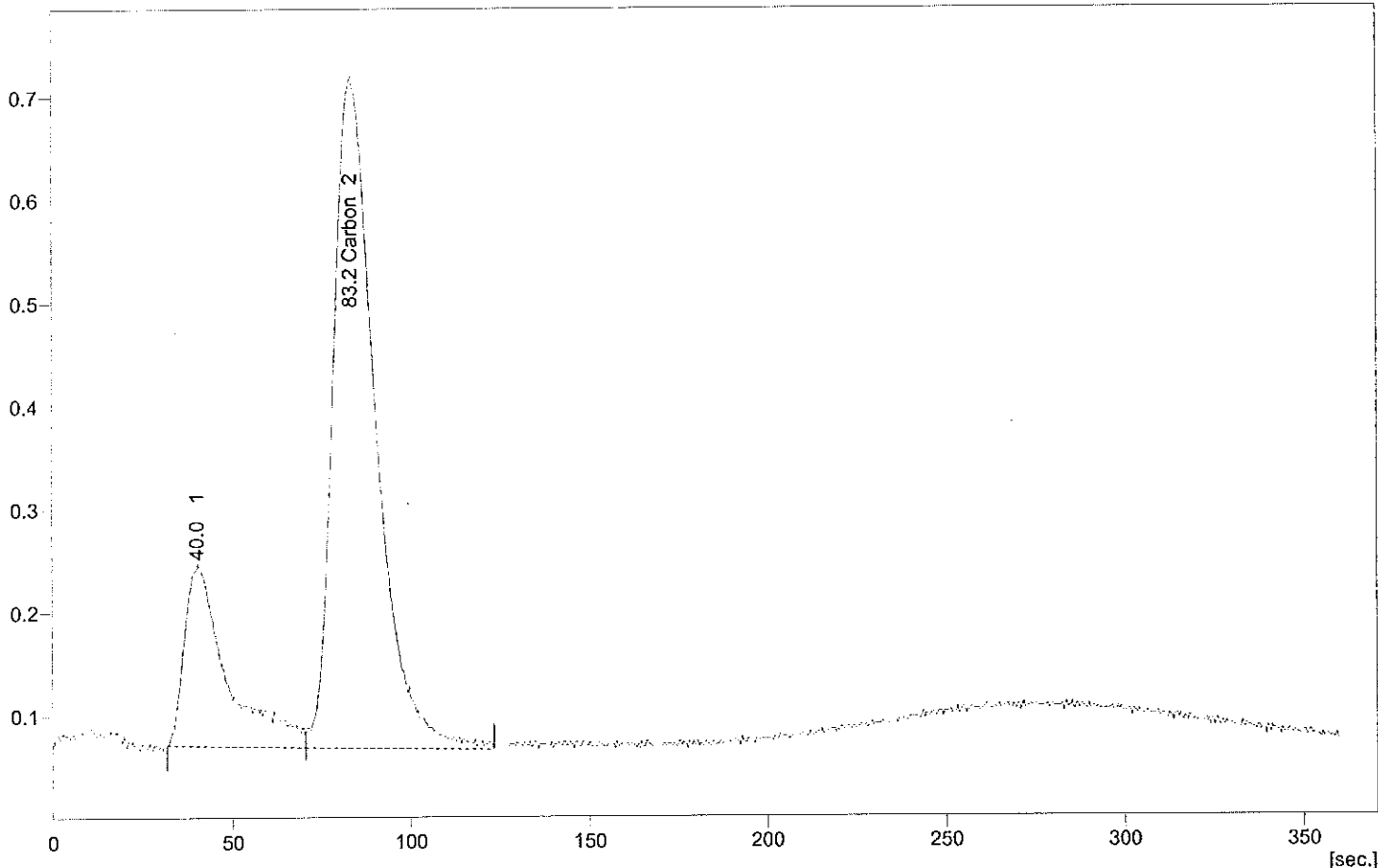
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	9.924	61.2	0.016	0.1633	1.0000	Refer
	Total	16.210	100.0	9.645	0.1633		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 5:00:16 PM
 Project : WORK2
 Weight : 9.672 mg
 Sample : 580-32803-A-19
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C019



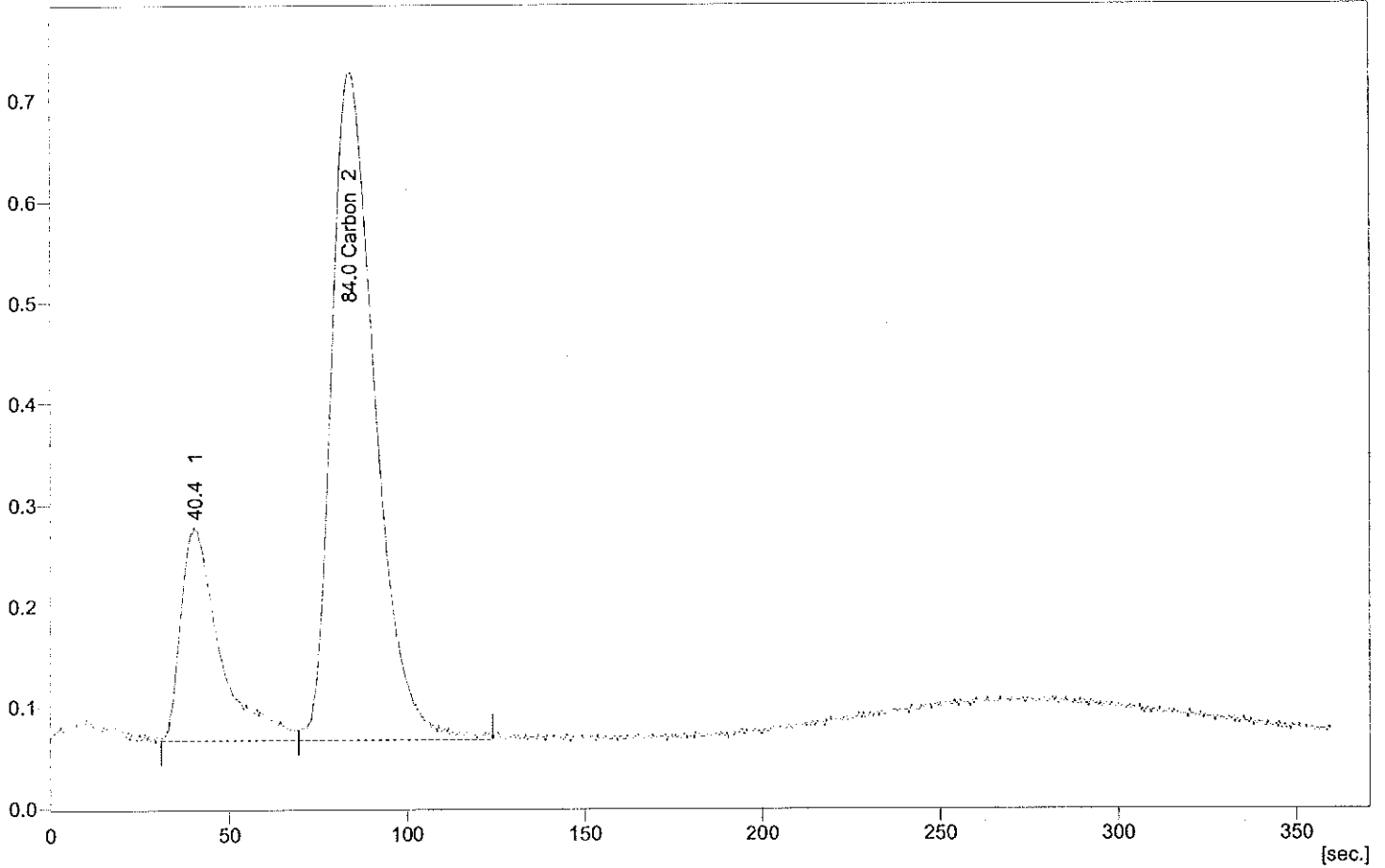
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	8,909	78.4	0.014	0.1484	1.0000	Refer
	Total	11,366	100.0	9.672	0.1484		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 5:06:55 PM
 Project : WORK2
 Weight : 10.054 mg
 Sample : 580-32803-A-19
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C020



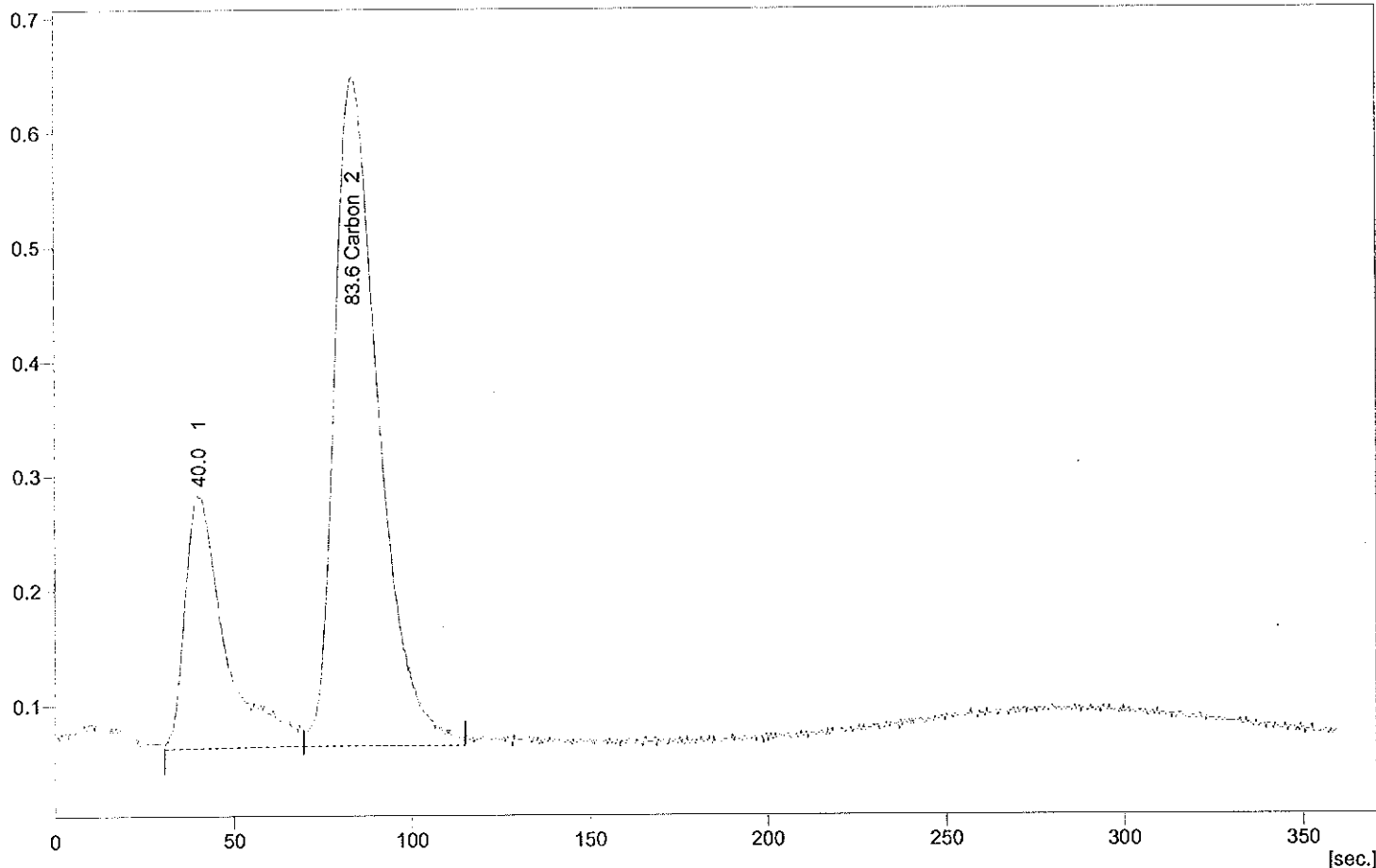
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.400	9.300	77.5	0.015	0.1481	1.0000	Refer
	Total	12.001	100.0	10.054	0.1481		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 5:13:35 PM
 Project : WORK2
 Weight : 10.083 mg
 Sample : 580-32803-A-20
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C021



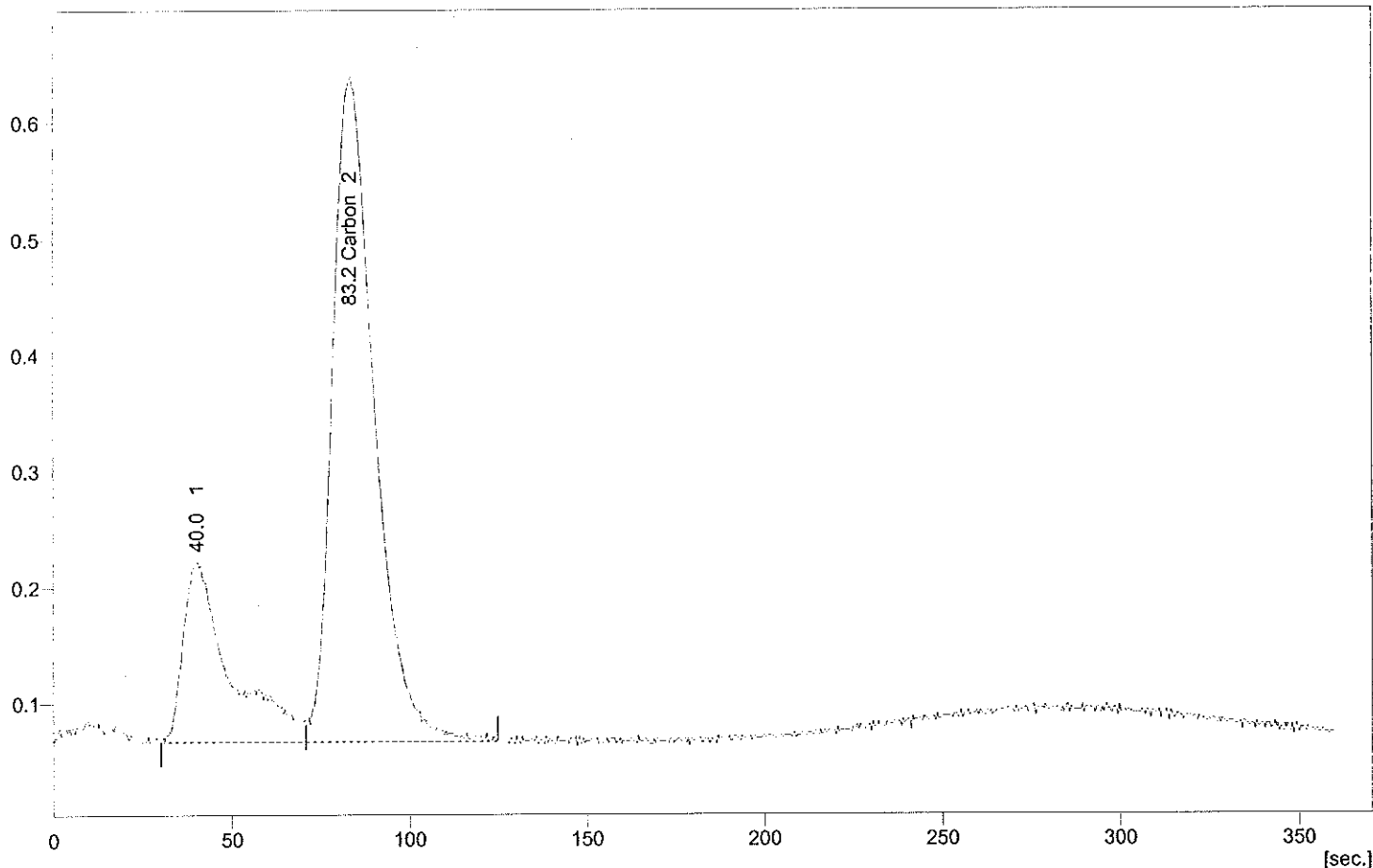
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	8.310	74.1	0.014	0.1341	1.0000	Refer
	Total	11.213	100.0	10.083	0.1341		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 5:20:15 PM
 Project : WORK2
 Weight : 10.031 mg
 Sample : 580-32803-A-20
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C022



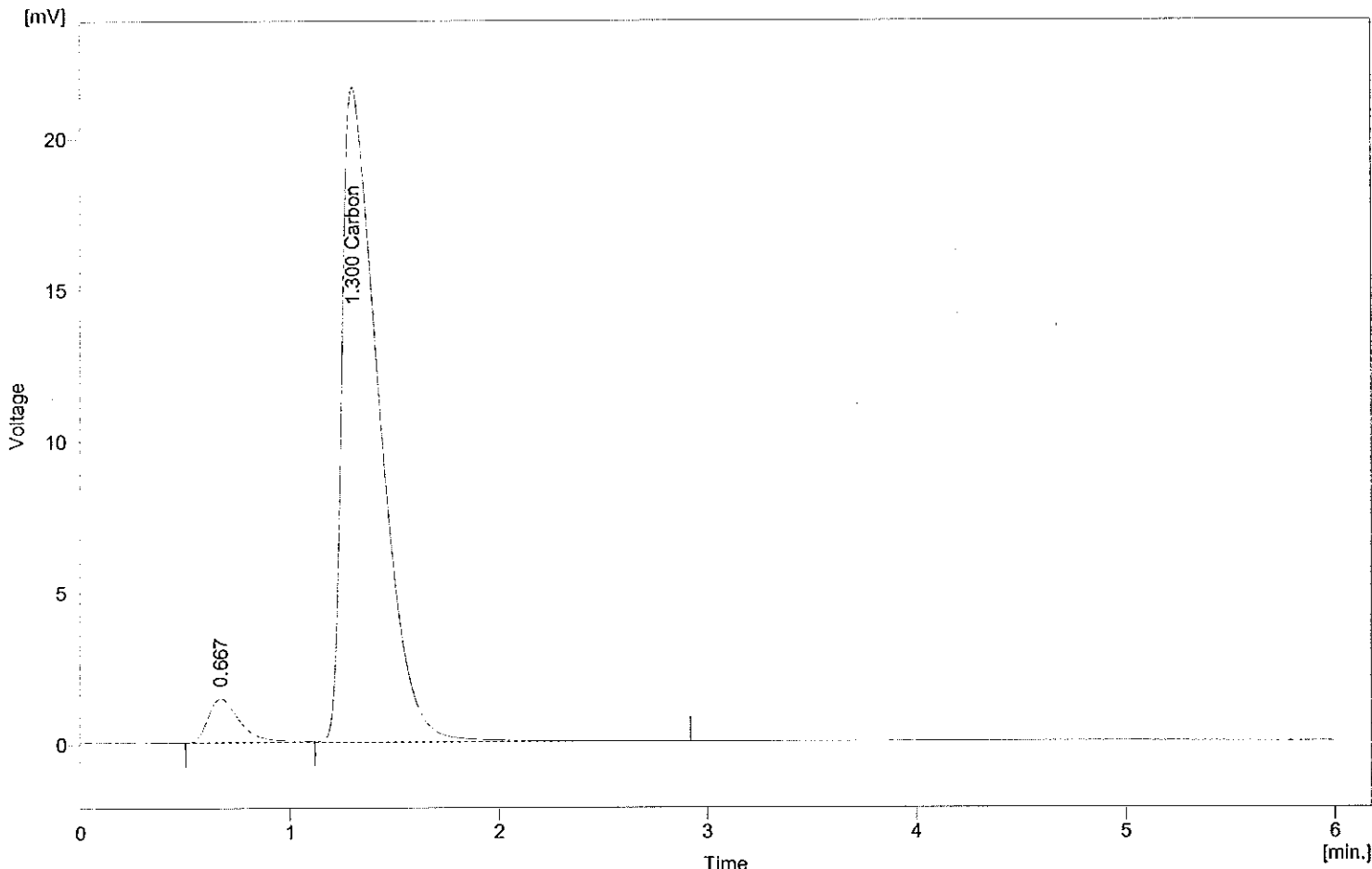
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	7.856	76.7	0.013	0.1286	1.0000	Refer
	Total	10.236	100.0	10.031	0.1286		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 5:26:55 PM
 Project : WORK2
 Weight : 0.462 mg
 Sample : ACETANILIDE
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C023



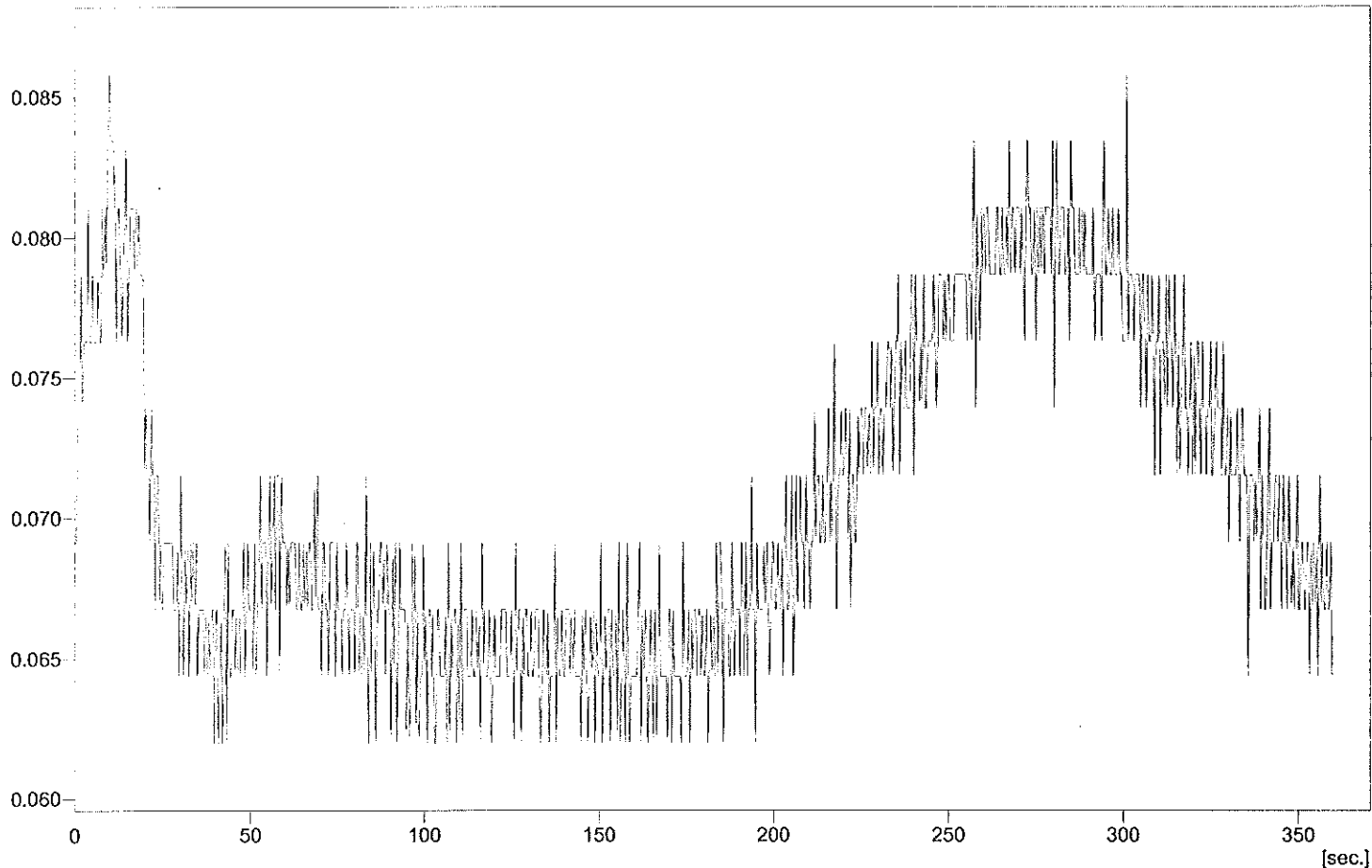
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.300	266.117	94.5	0.369	79.8123	1.0000	Refer
	Total	281.572	100.0	0.462	79.8123		

Lloyd Kahn TOC
Instrument #2

Created : 5/29/2012 5:33:35 PM
Project : WORK2
Weight : 10 mg
Sample : BLANK
Calibration : 052912C

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912C024



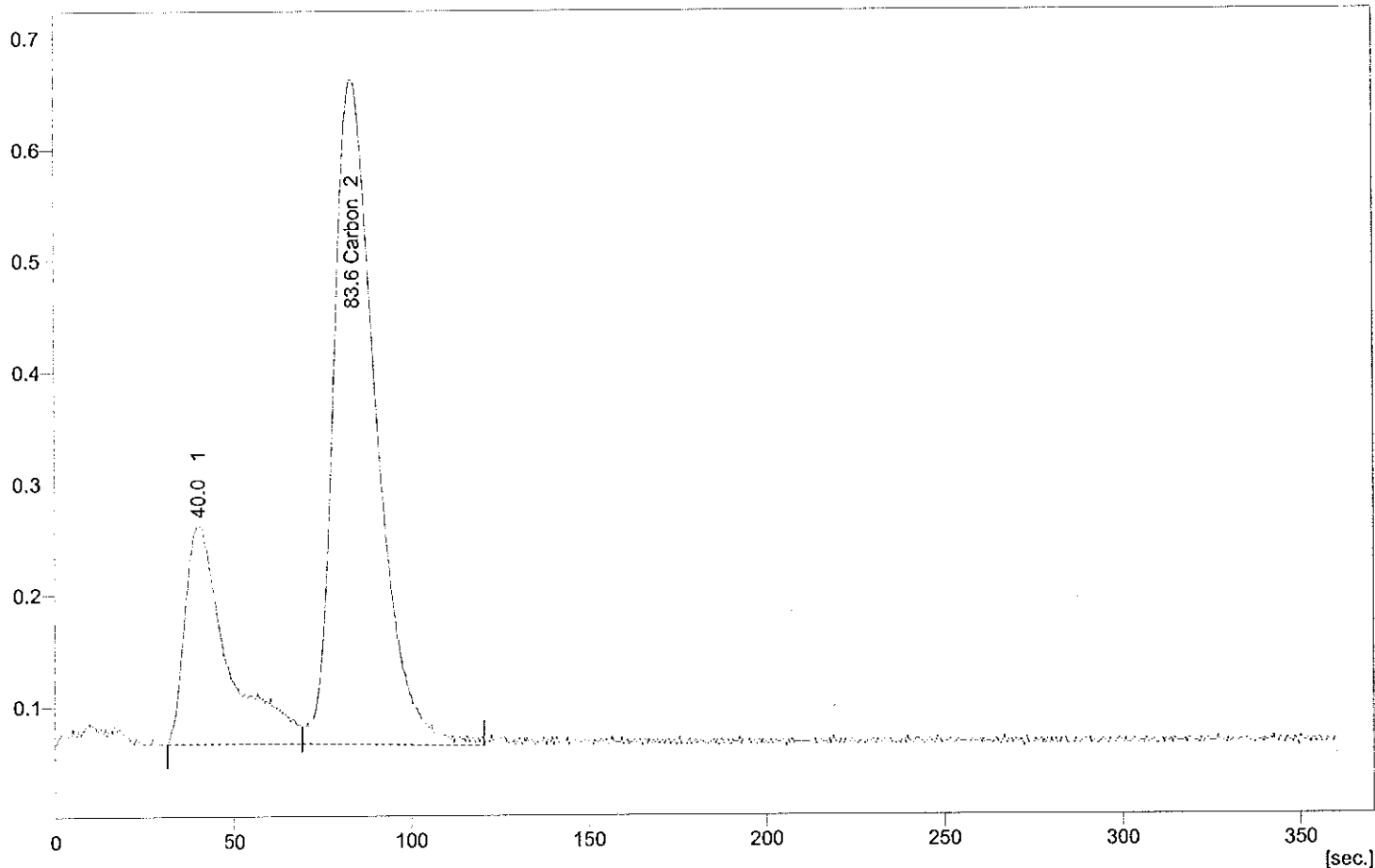
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.316						Refer
Total		0.000	100.0	10.000	0.0000		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 5:40:16 PM
 Project : WORK2
 Weight : 9.738 mg
 Sample : 580-32803-A-21
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C025



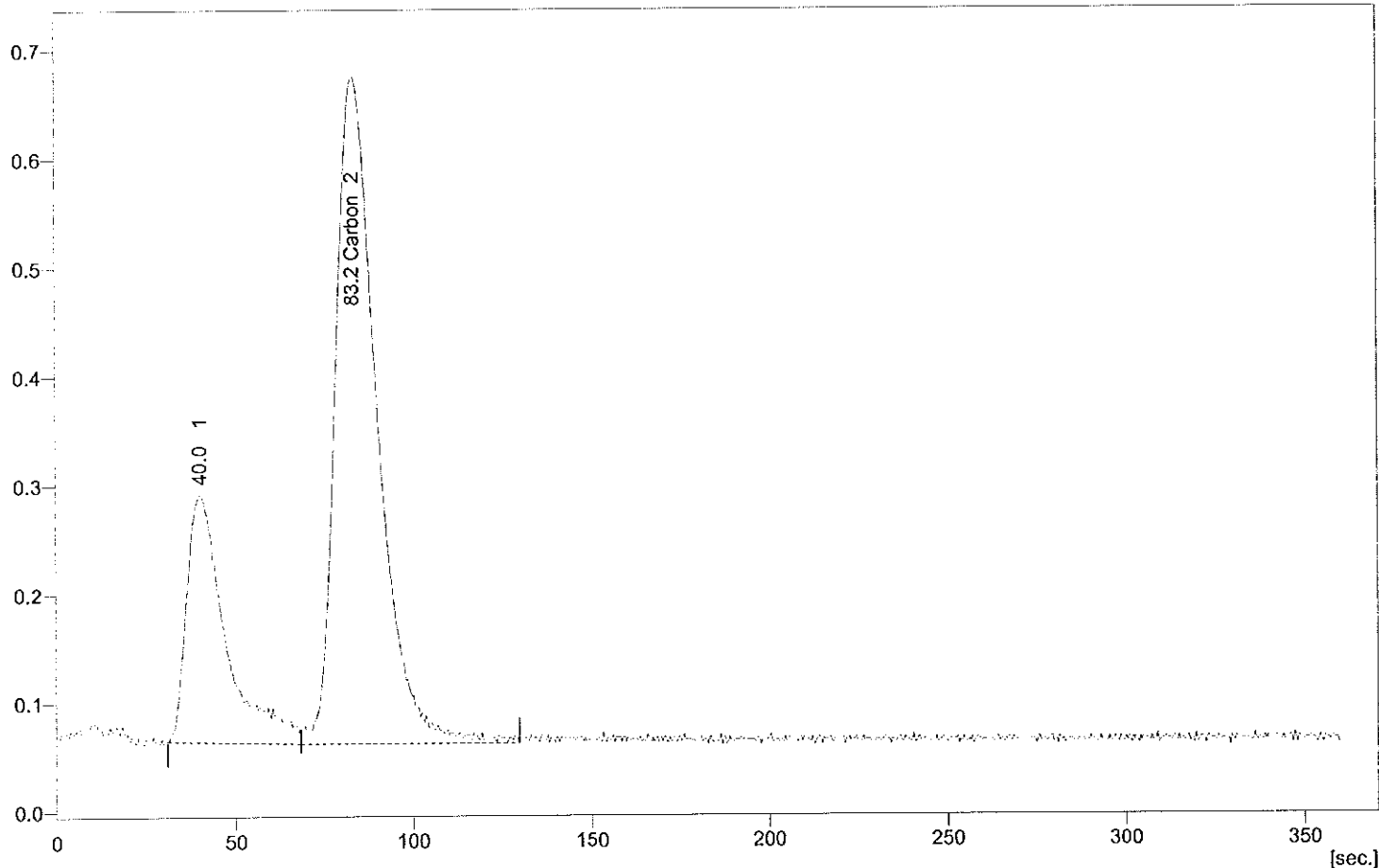
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	8.196	74.7	0.013	0.1373	1.0000	Refer
	Total	10.973	100.0	9.738	0.1373		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 5:46:57 PM
 Project : WORK2
 Weight : 10.069 mg
 Sample : 580-32803-A-21
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C026



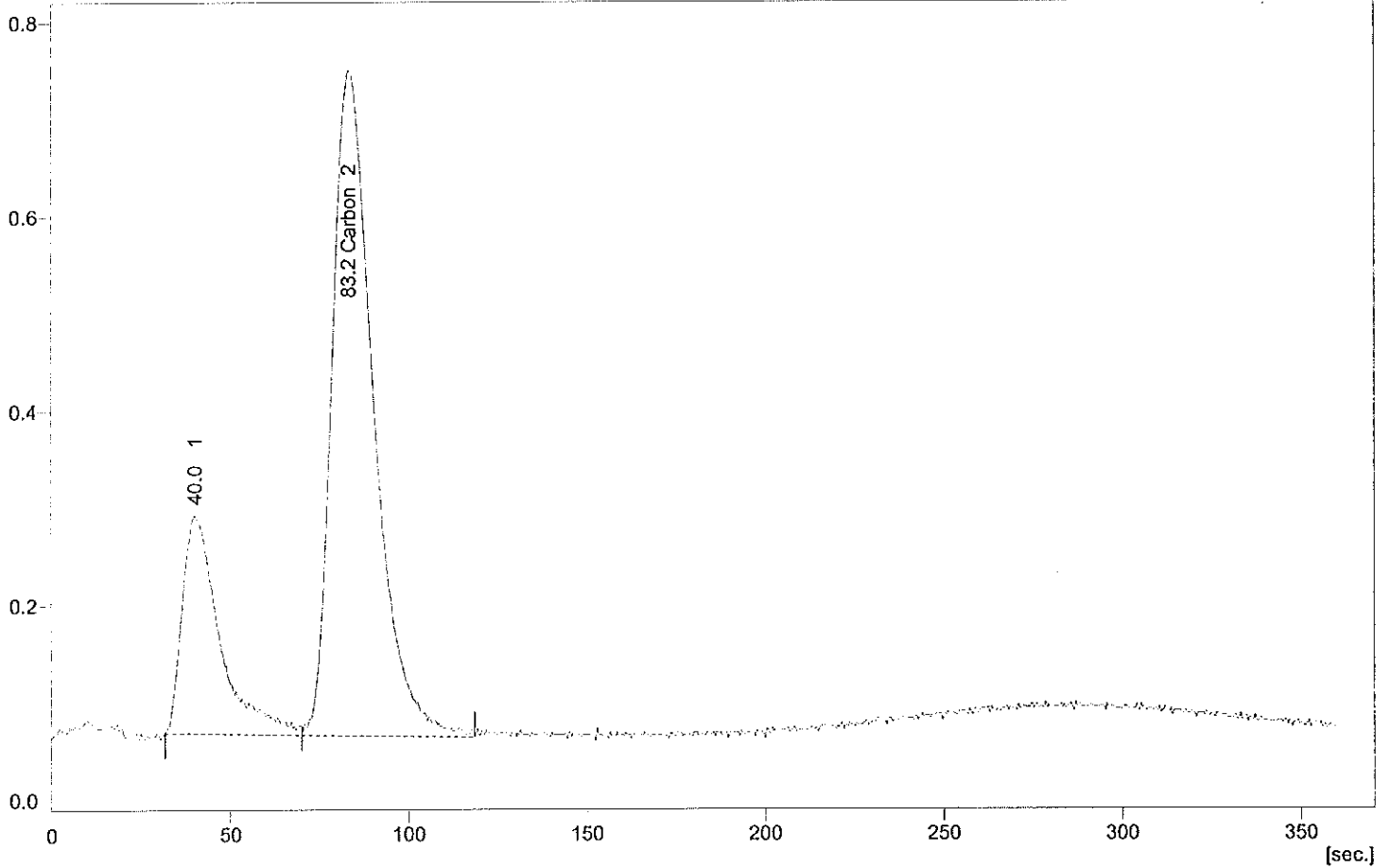
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	8.297	74.0	0.014	0.1341	1.0000	Refer
	Total	11.205	100.0	10.069	0.1341		

Lloyd Kahn TOC
Instrument #2

Created : 5/29/2012 5:53:38 PM
Project : WORK2
Weight : 10.144 mg
Sample : 580-32803-A-26
Calibration : 052912C

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912C027



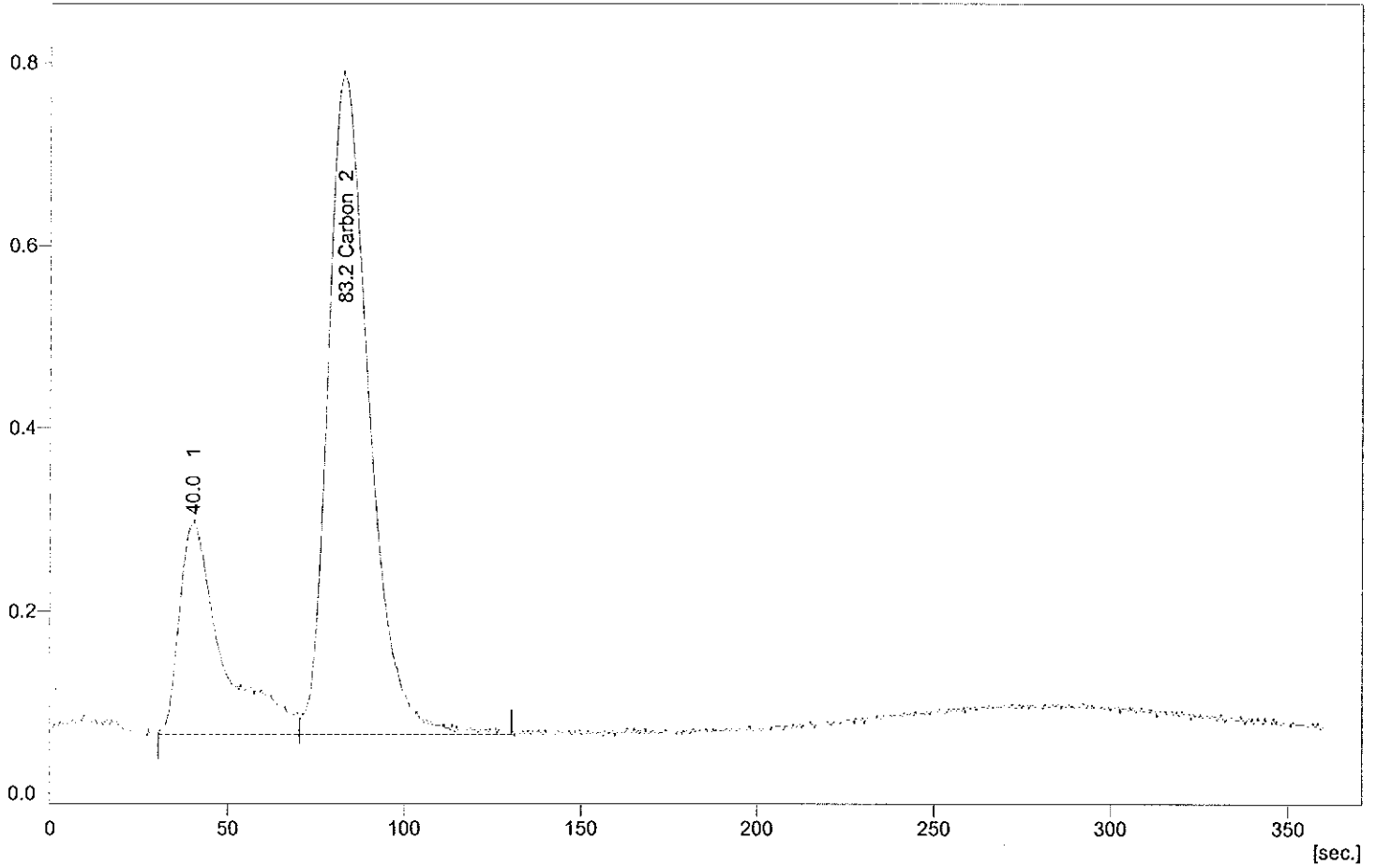
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	9.157	76.8	0.015	0.1448	1.0000	Refer
	Total	11.915	100.0	10.144	0.1448		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 6:00:19 PM
 Project : WORK2
 Weight : 9.28 mg
 Sample : 580-32803-A-26
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C028



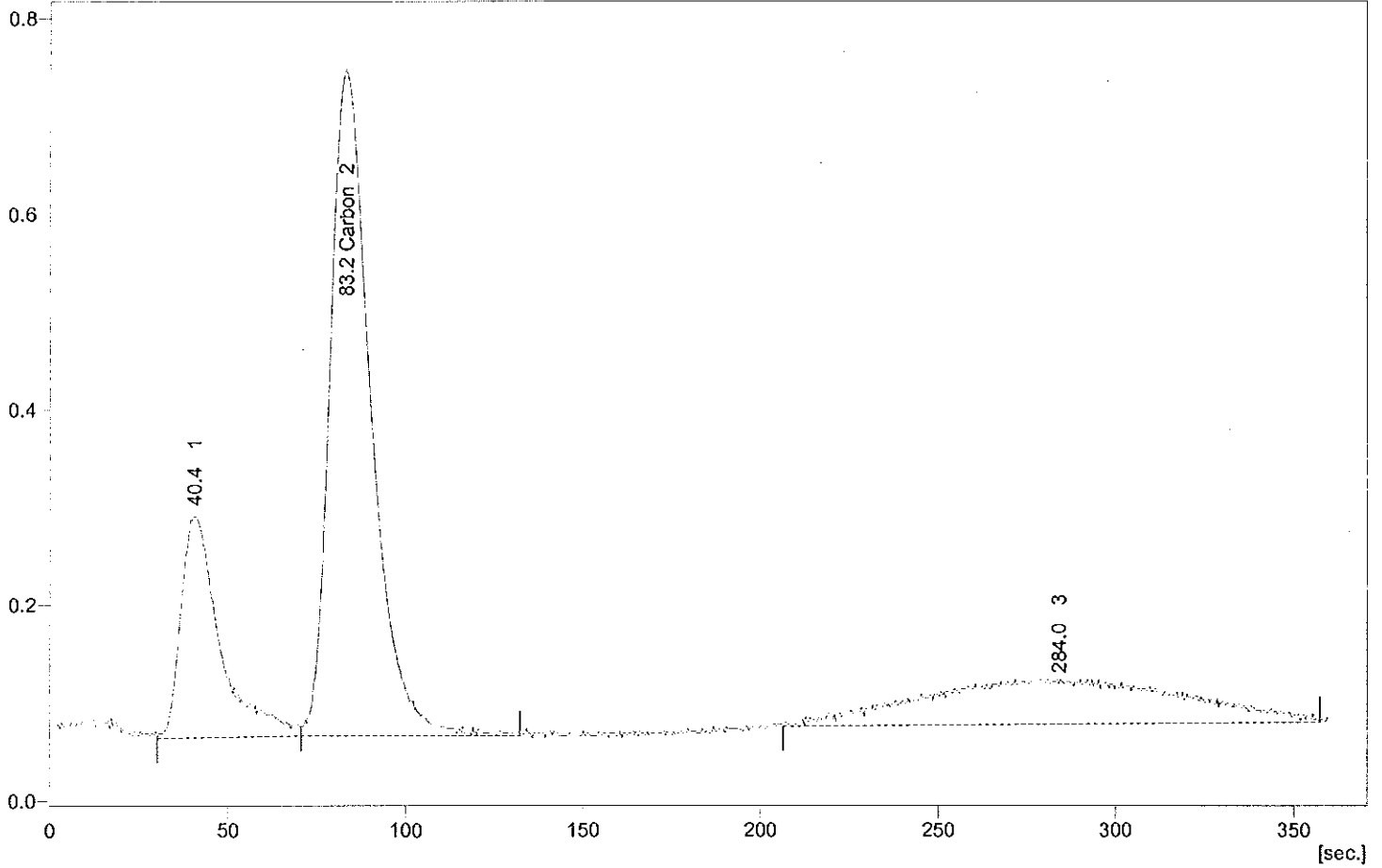
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	9.711	75.0	0.015	0.1665	1.0000	Refer
	Total	12.956	100.0	9.280	0.1665		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 6:07:01 PM
 Project : WORK2
 Weight : 9.517 mg
 Sample : 580-32803-A-30
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C029



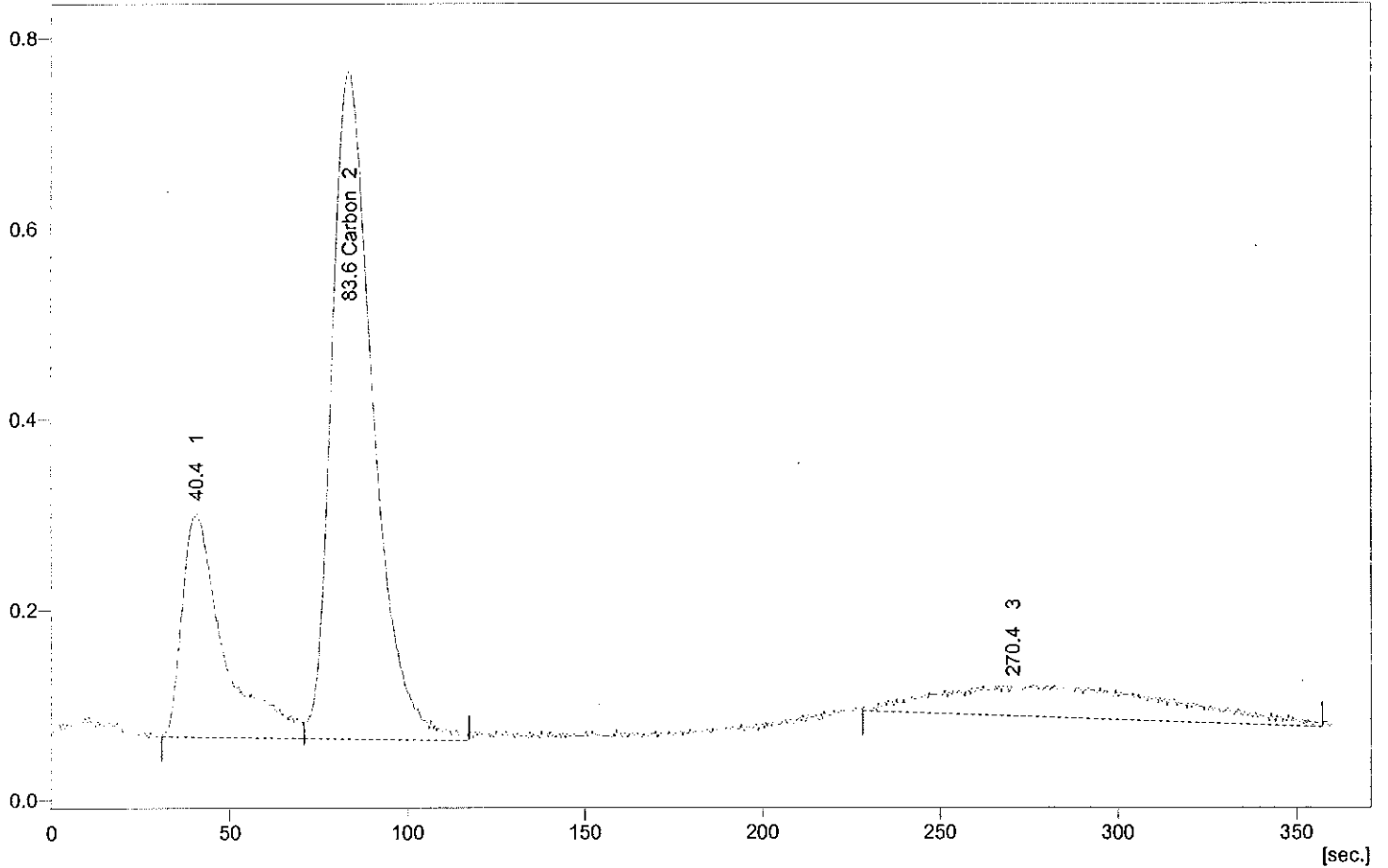
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	9.096	57.1	0.015	0.1535	1.0000	Refer
	Total	15.936	100.0	9.517	0.1535		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 6:13:43 PM
 Project : WORK2
 Weight : 9.975 mg
 Sample : 580-32803-A-30
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C030



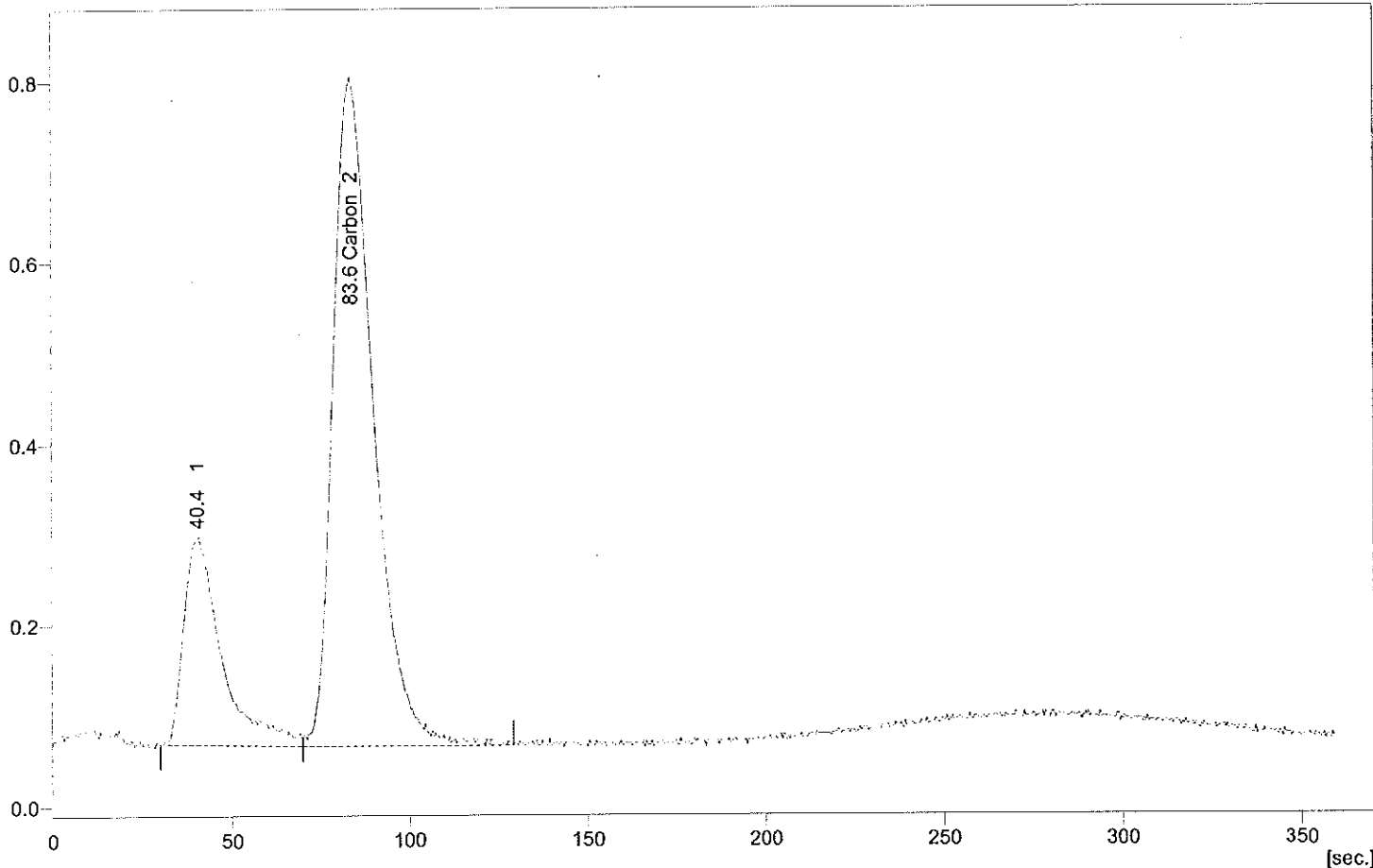
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	9.423	62.8	0.015	0.1510	1.0000	Refer
	Total	15.016	100.0	9.975	0.1510		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 6:20:25 PM
 Project : WORK2
 Weight : 9.315 mg
 Sample : 580-32803-A-36
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C031



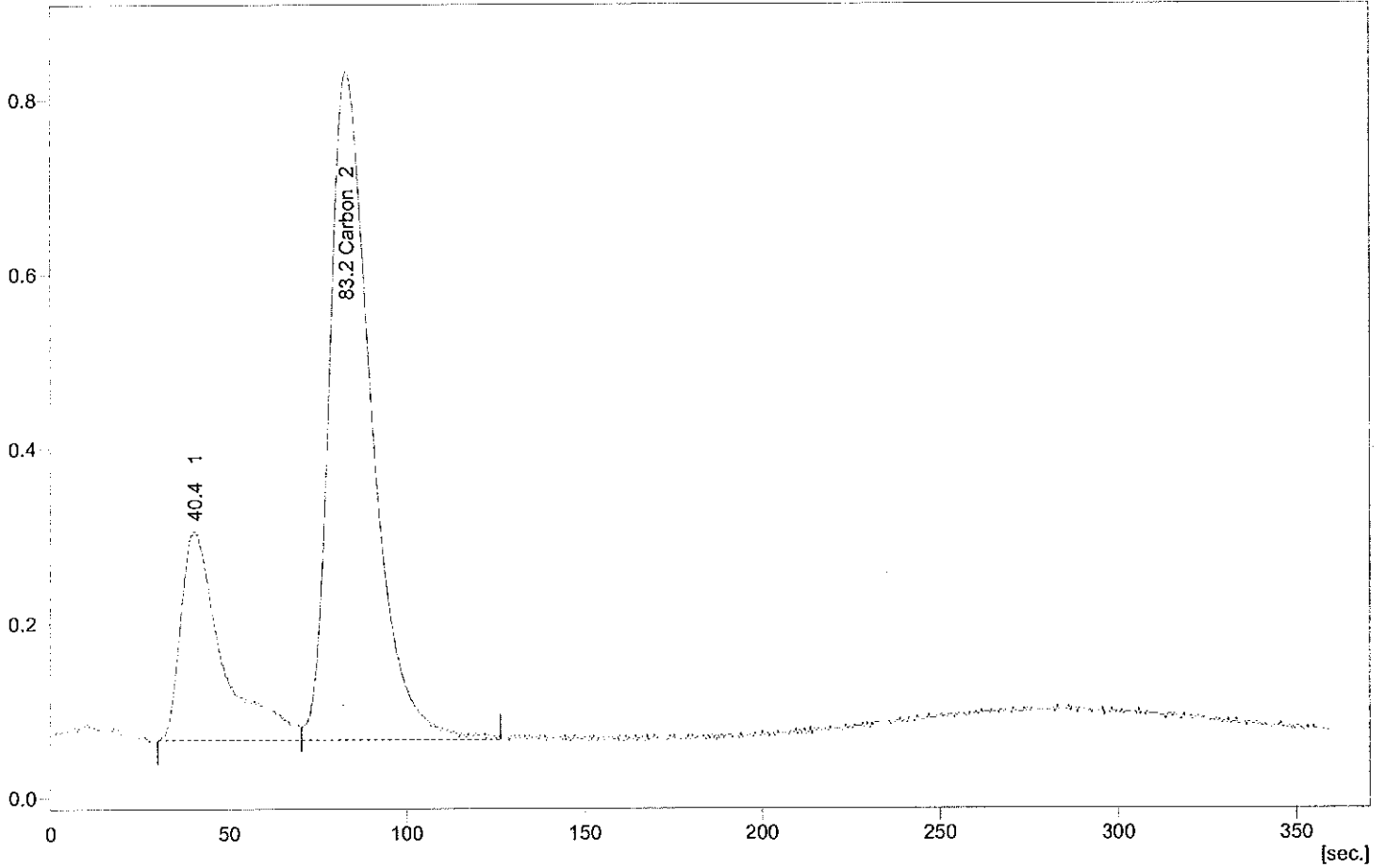
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	9.724	77.4	0.015	0.1661	1.0000	Refer
	Total	12.566	100.0	9.315	0.1661		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 6:27:08 PM
 Project : WORK2
 Weight : 9.984 mg
 Sample : 580-32803-A-36
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C032



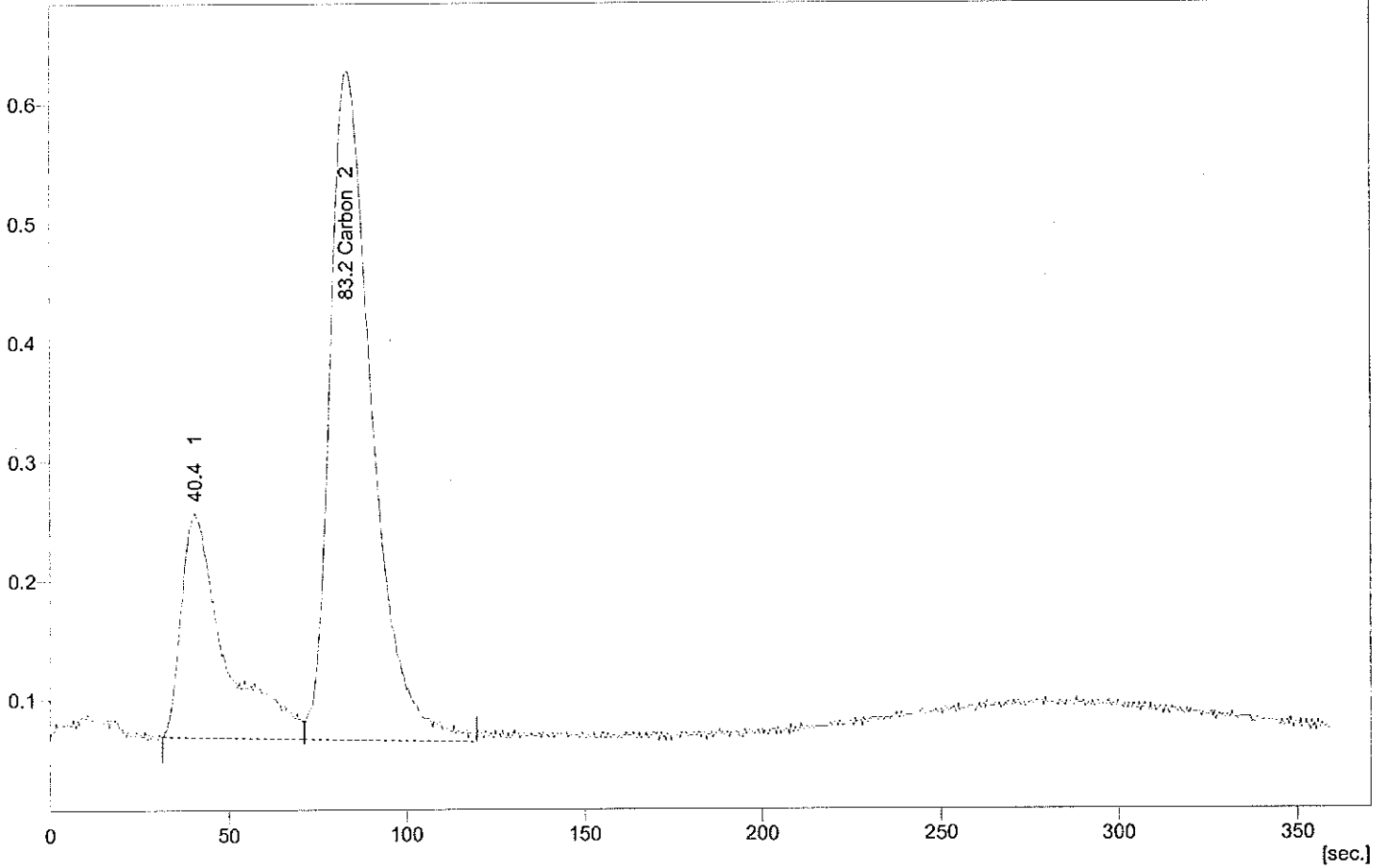
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	10.350	76.1	0.016	0.1636	1.0000	Refer
	Total	13.593	100.0	9.984	0.1636		

Lloyd Kahn TOC
Instrument #2

Created : 5/29/2012 6:33:50 PM
Project : WORK2
Weight : 10.024 mg
Sample : 580-32803-A-41
Calibration : 052912C

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912C033



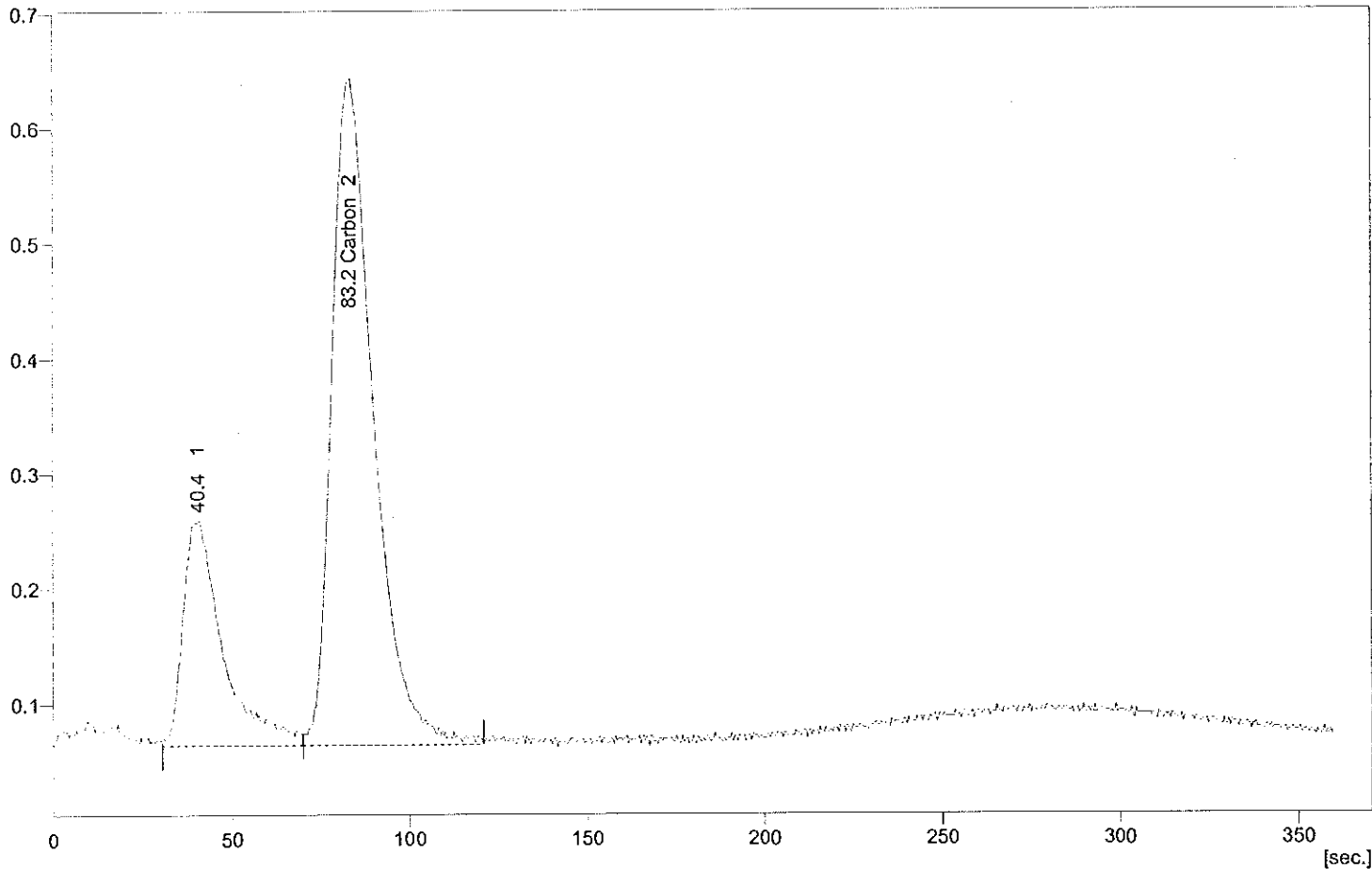
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	7.648	73.9	0.013	0.1258	1.0000	Refer
	Total	10.343	100.0	10.024	0.1258		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 6:40:33 PM
 Project : WORK2
 Weight : 10.263 mg
 Sample : 580-32803-A-41
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C034



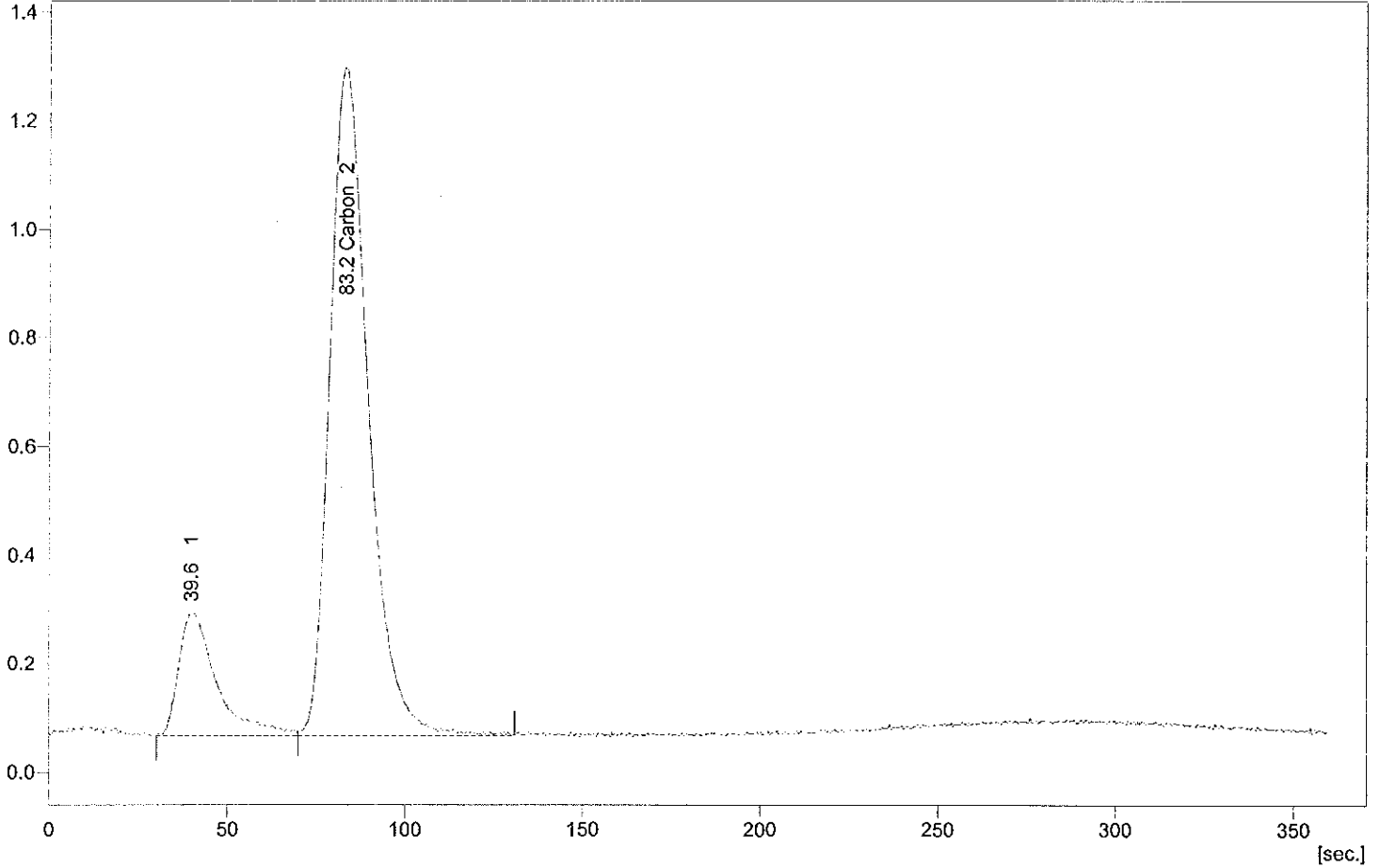
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	7.845	75.4	0.013	0.1255	1.0000	Refer
	Total	10.400	100.0	10.263	0.1255		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 6:47:16 PM
 Project : WORK2
 Weight : 9.481 mg
 Sample : 580-32803-A-42
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C035



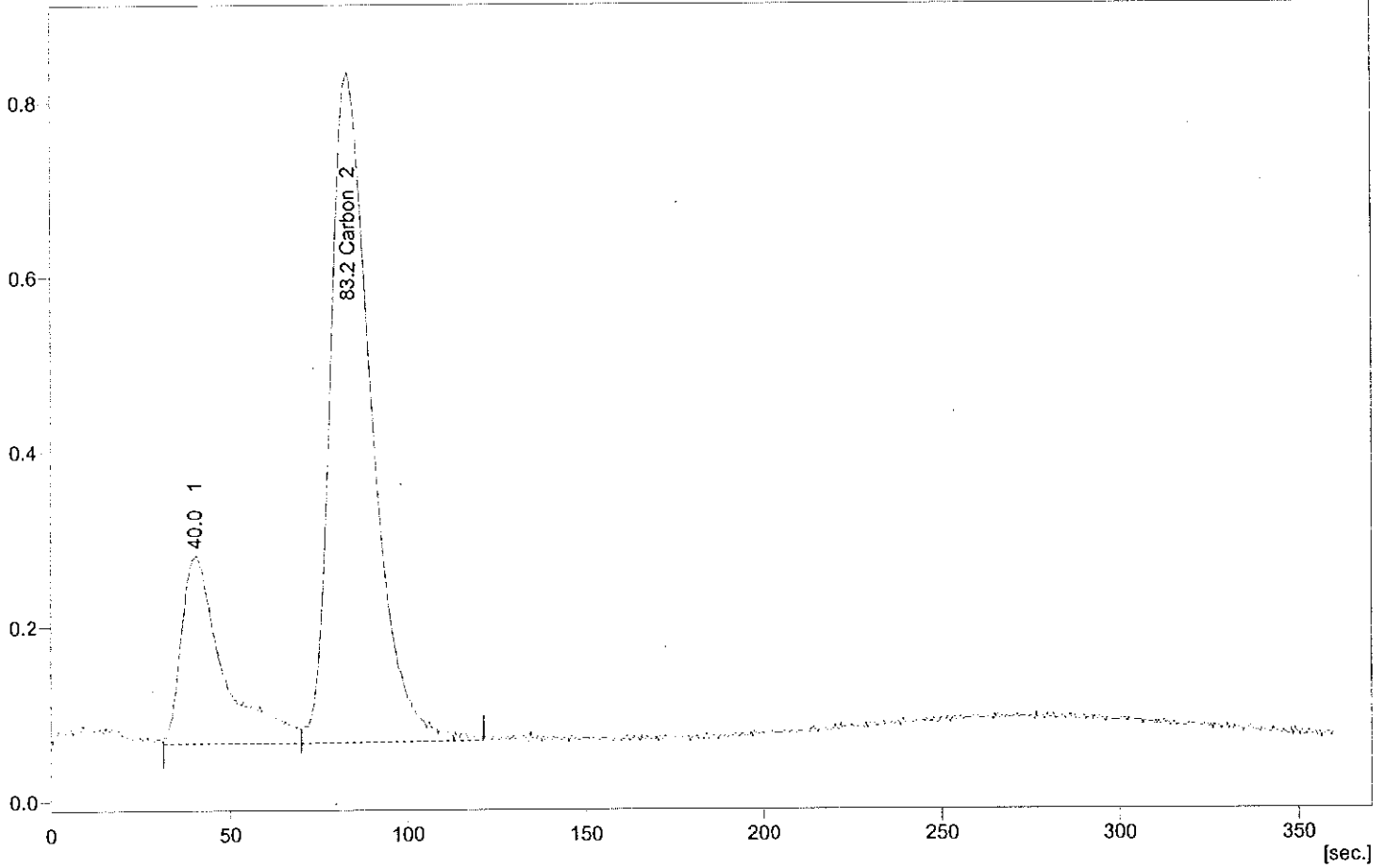
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	15.483	84.5	0.023	0.2469	1.0000	Refer
	Total	18.322	100.0	9.481	0.2469		

Lloyd Kahn TOC
Instrument #2

Created : 5/29/2012 6:53:59 PM
Project : WORK2
Weight : 9.257 mg
Sample : 580-32803-A-42
Calibration : 052912C

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912C036



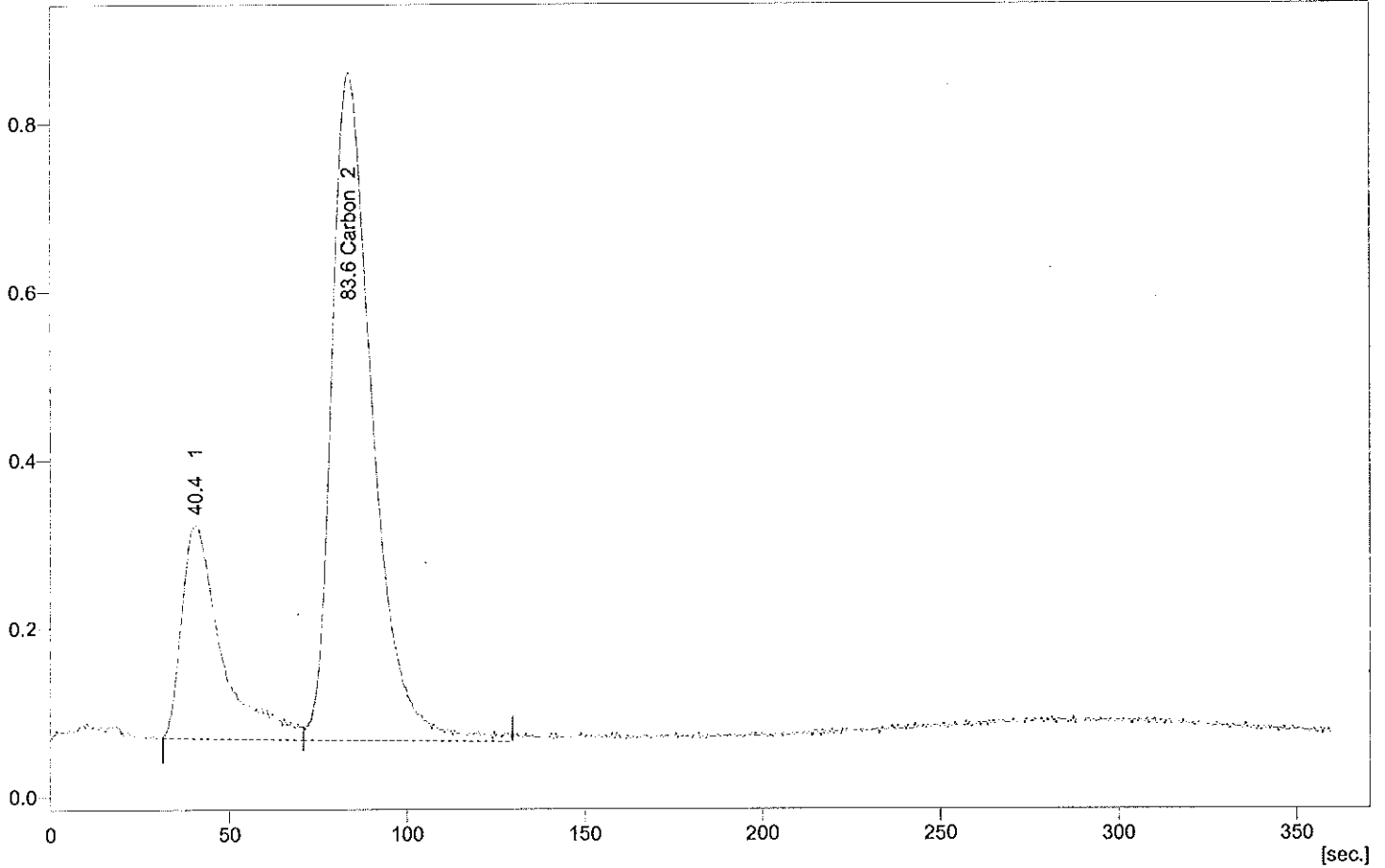
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	10.158	77.7	0.016	0.1736	1.0000	Refer
	Total	13.073	100.0	9.257	0.1736		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 7:00:39 PM
 Project : WORK2
 Weight : 9.567 mg
 Sample : 580-32803-A-43
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C037



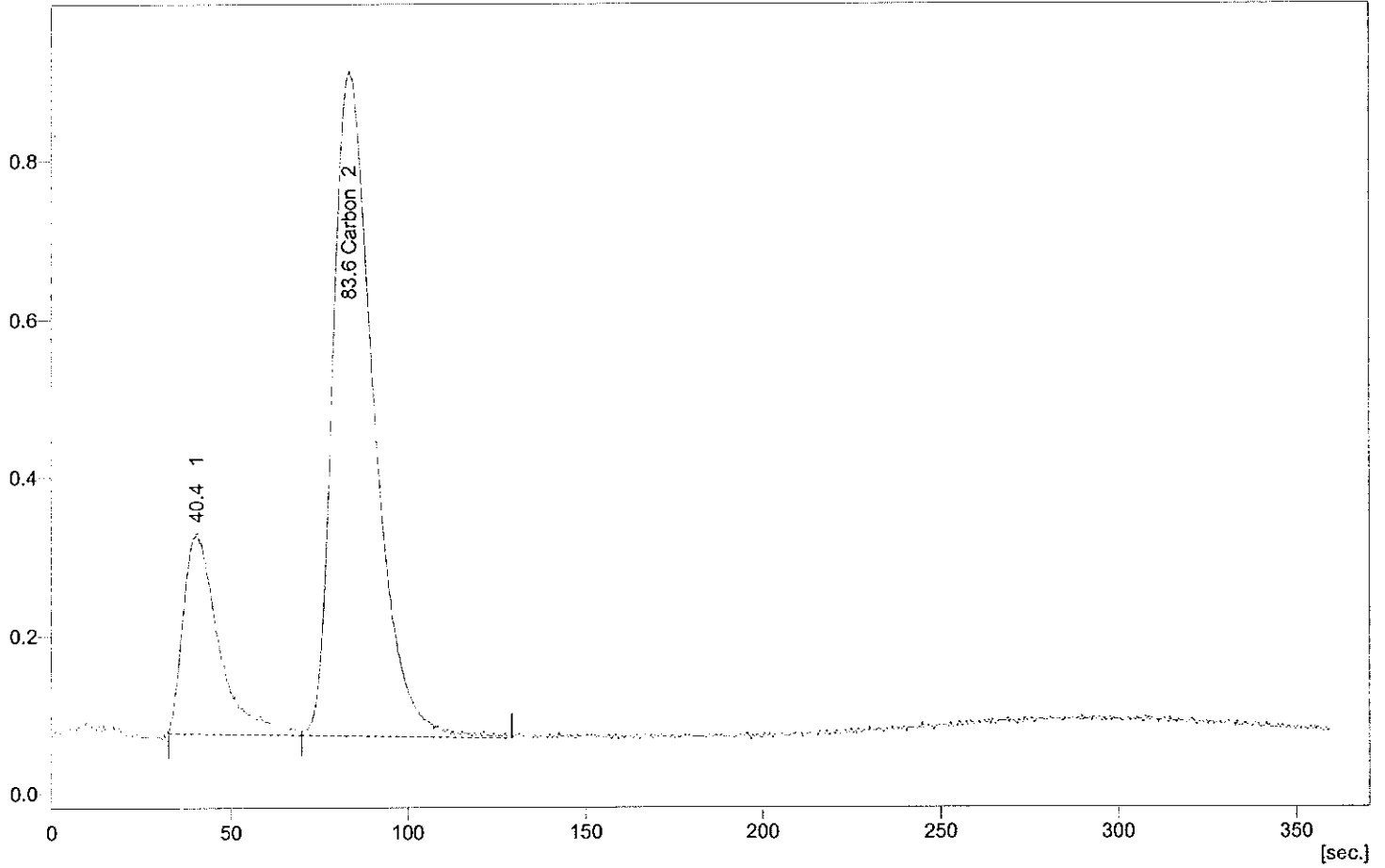
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	10.550	76.0	0.017	0.1736	1.0000	Refer
	Total	13.878	100.0	9.567	0.1736		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 7:07:18 PM
 Project : WORK2
 Weight : 10.256 mg
 Sample : 580-32803-A-43
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C038



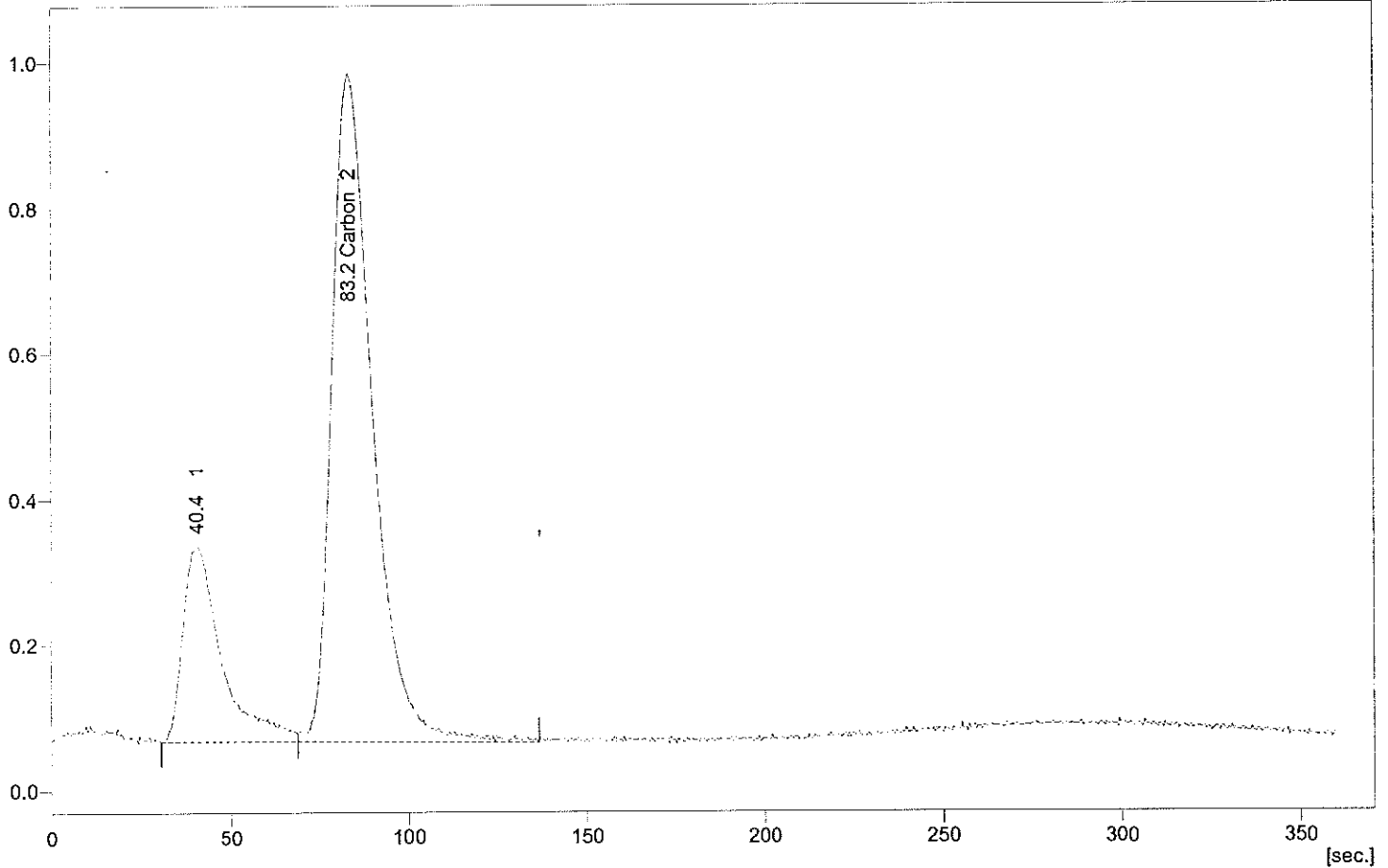
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	11.182	79.1	0.017	0.1705	1.0000	Refer
Total		14.135	100.0	10.256	0.1705		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 7:13:58 PM
 Project : WORK2
 Weight : 9.956 mg
 Sample : 580-32803-A-44
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C039



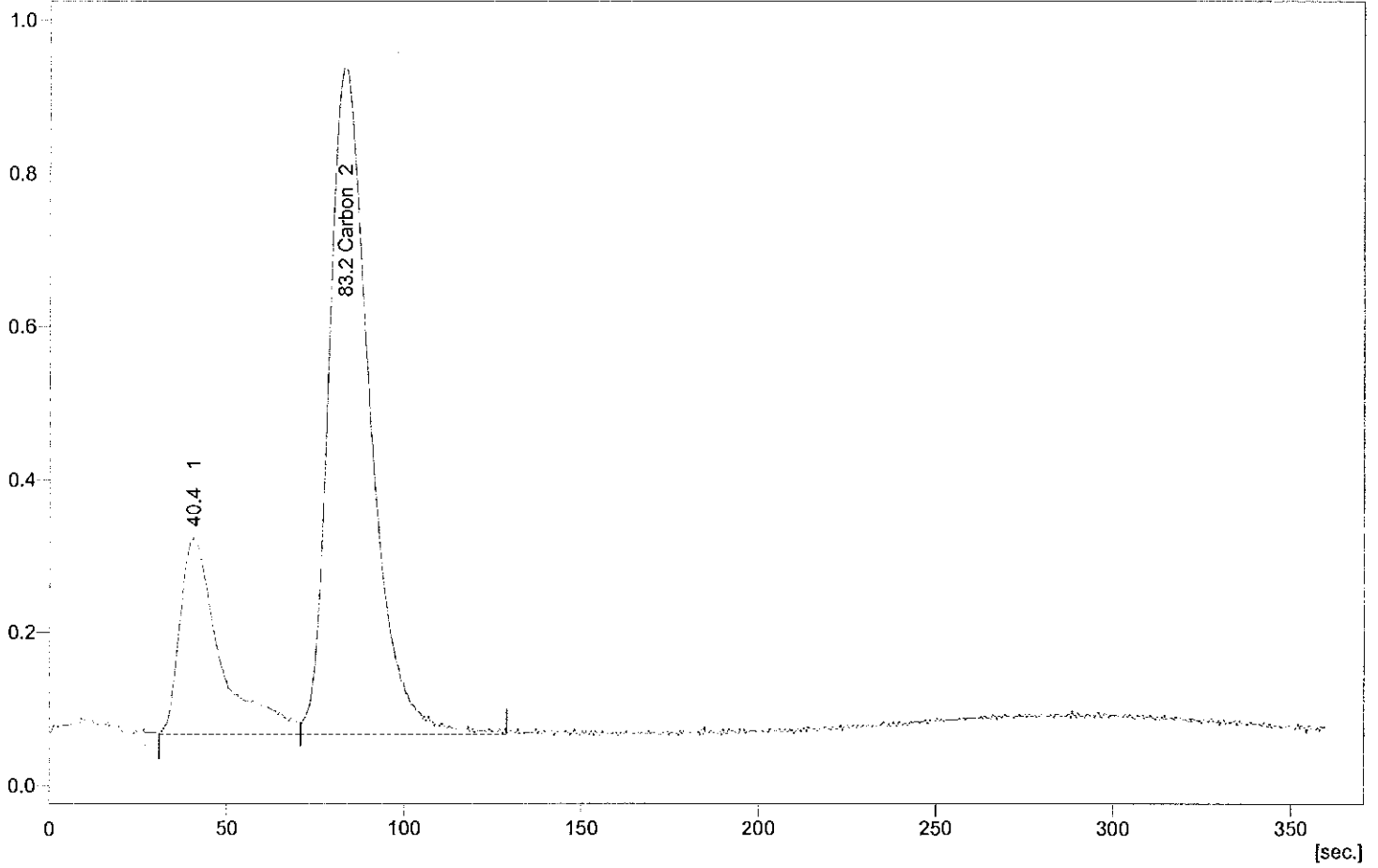
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	12.163	78.2	0.019	0.1892	1.0000	Refer
	Total	15.562	100.0	9.956	0.1892		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 7:20:39 PM
 Project : WORK2
 Weight : 9.336 mg
 Sample : 580-32803-A-44
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C040



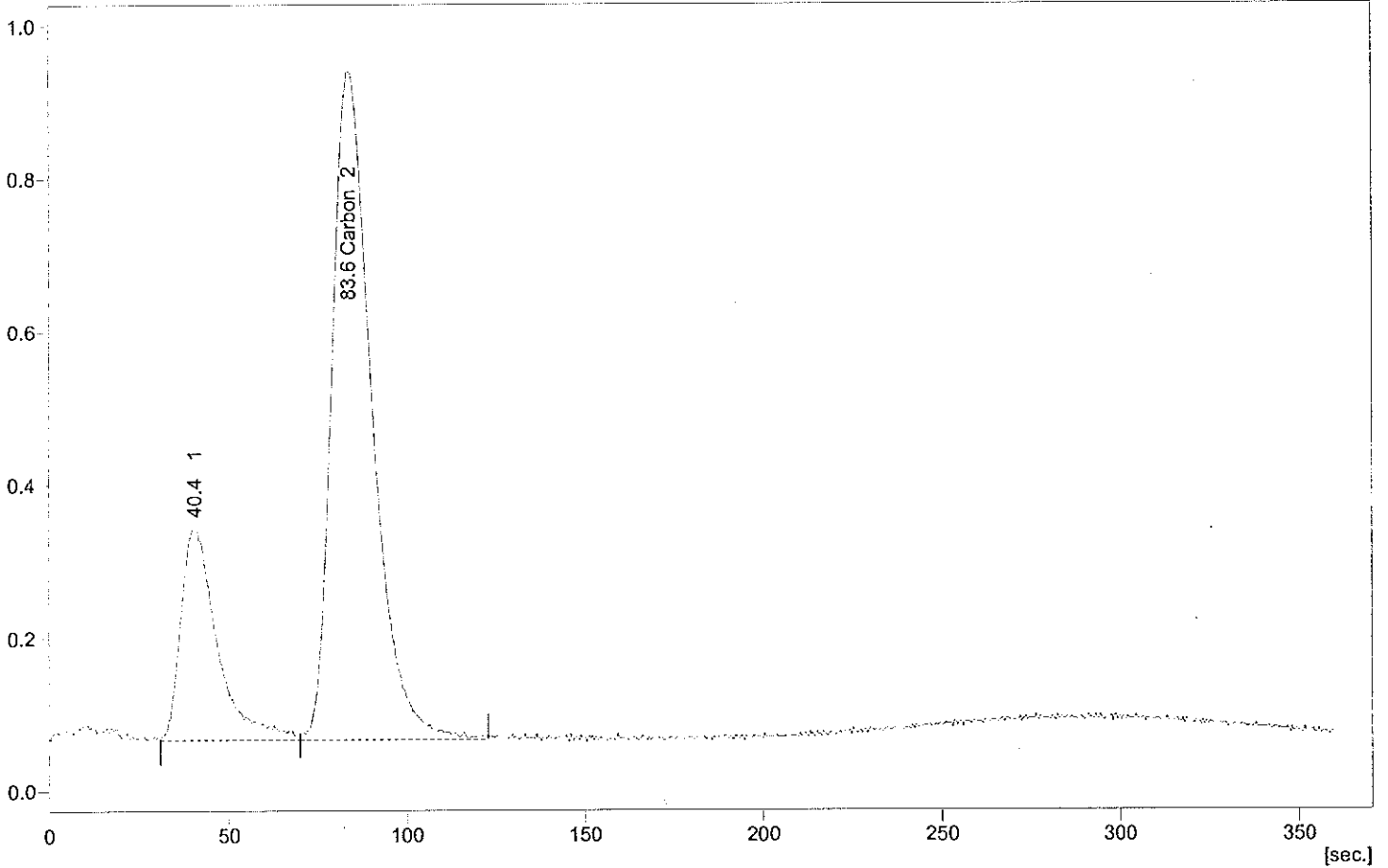
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	11.556	77.2	0.018	0.1928	1.0000	Refer
	Total	14.966	100.0	9.336	0.1928		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 7:27:19 PM
 Project : WORK2
 Weight : 9.77 mg
 Sample : 580-32803-A-45
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C041



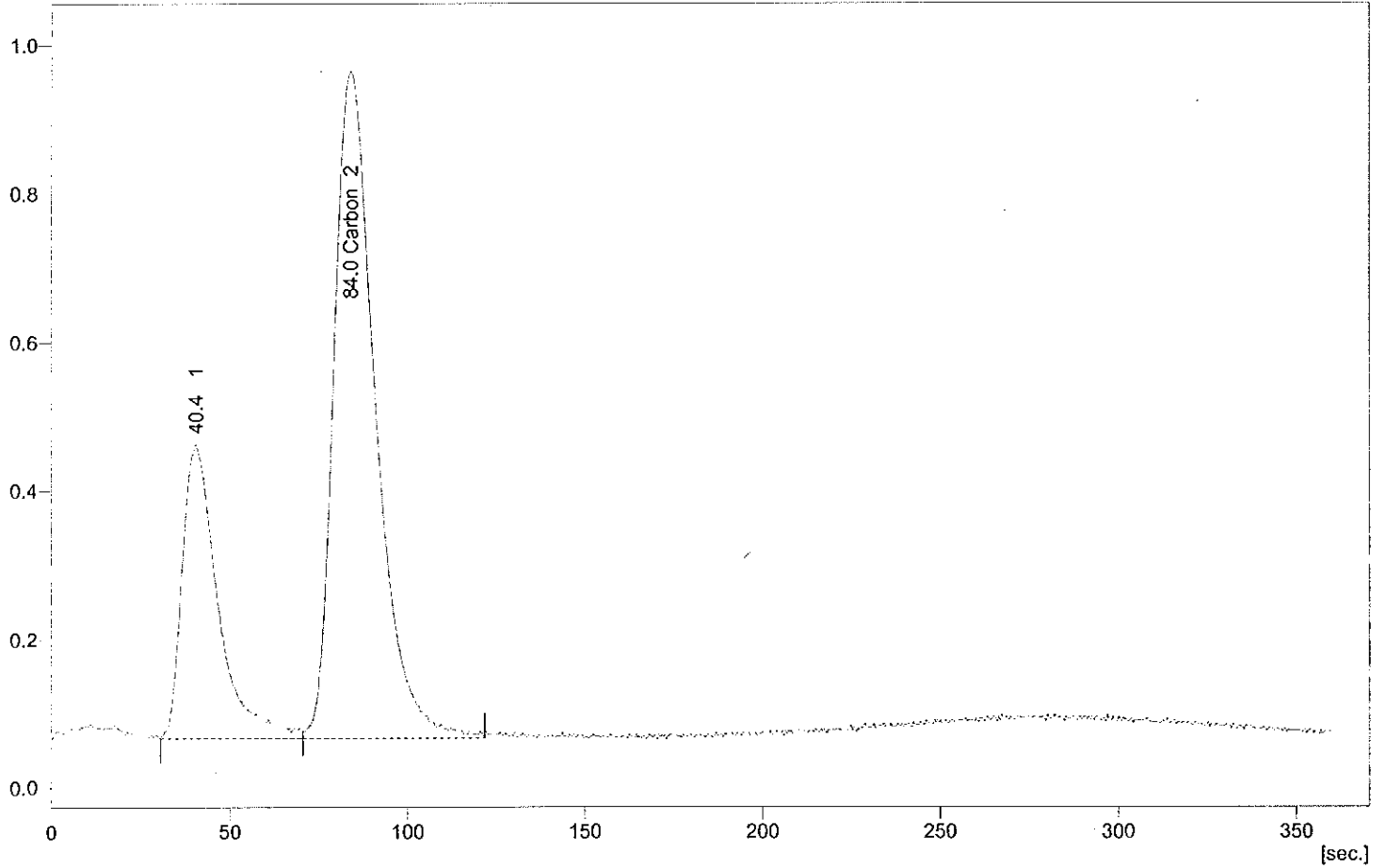
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	11.314	77.4	0.018	0.1808	1.0000	Refer
	Total	14.627	100.0	9.770	0.1808		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 7:34:05 PM
 Project : WORK2
 Weight : 9.35 mg
 Sample : 580-32803-A-45
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C042



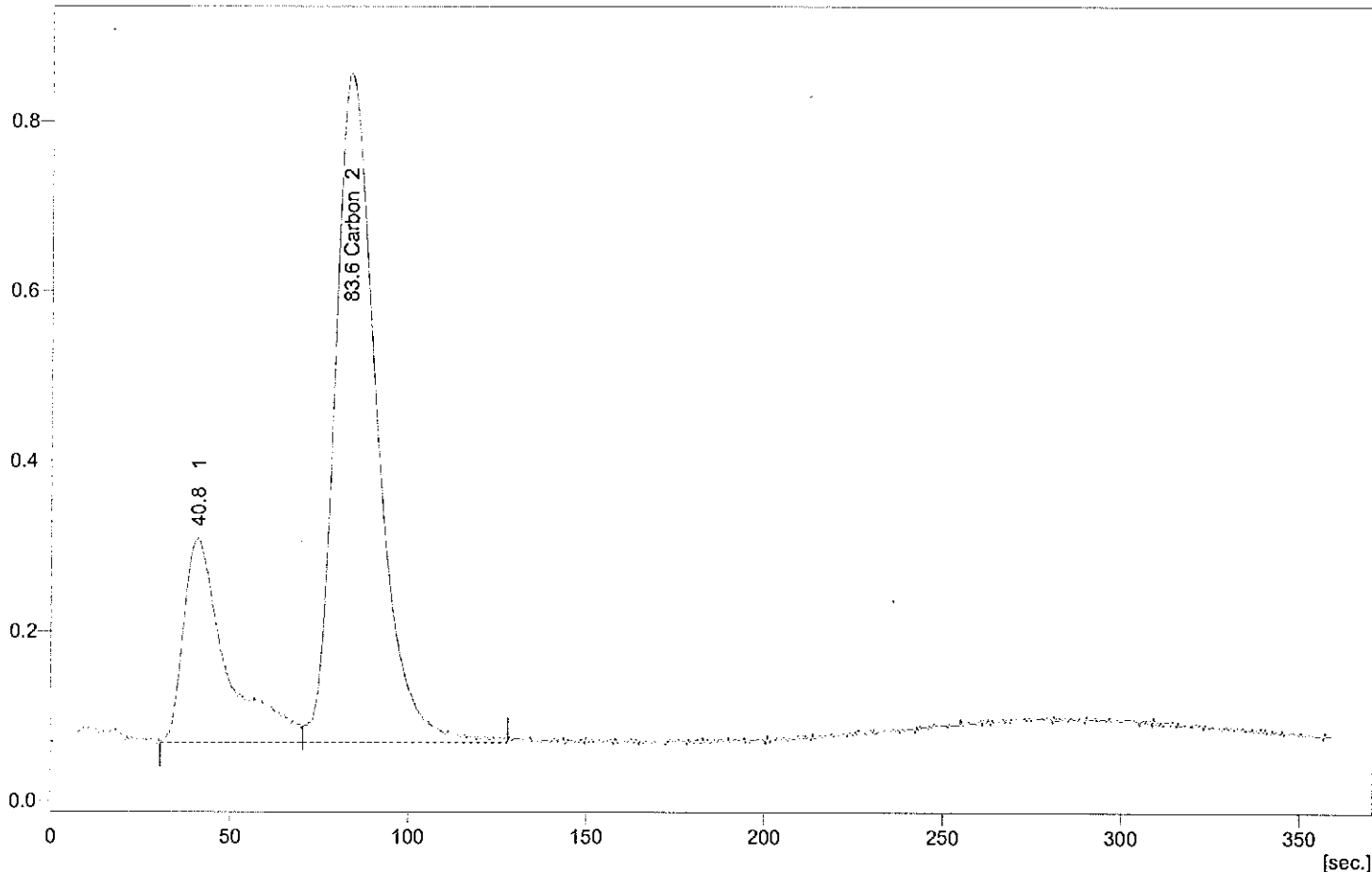
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.400	12.119	72.3	0.019	0.2008	1.0000	Refer
	Total	16.752	100.0	9.350	0.2008		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 7:40:47 PM
 Project : WORK2
 Weight : 9.806 mg
 Sample : 580-32803-A-46
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C043



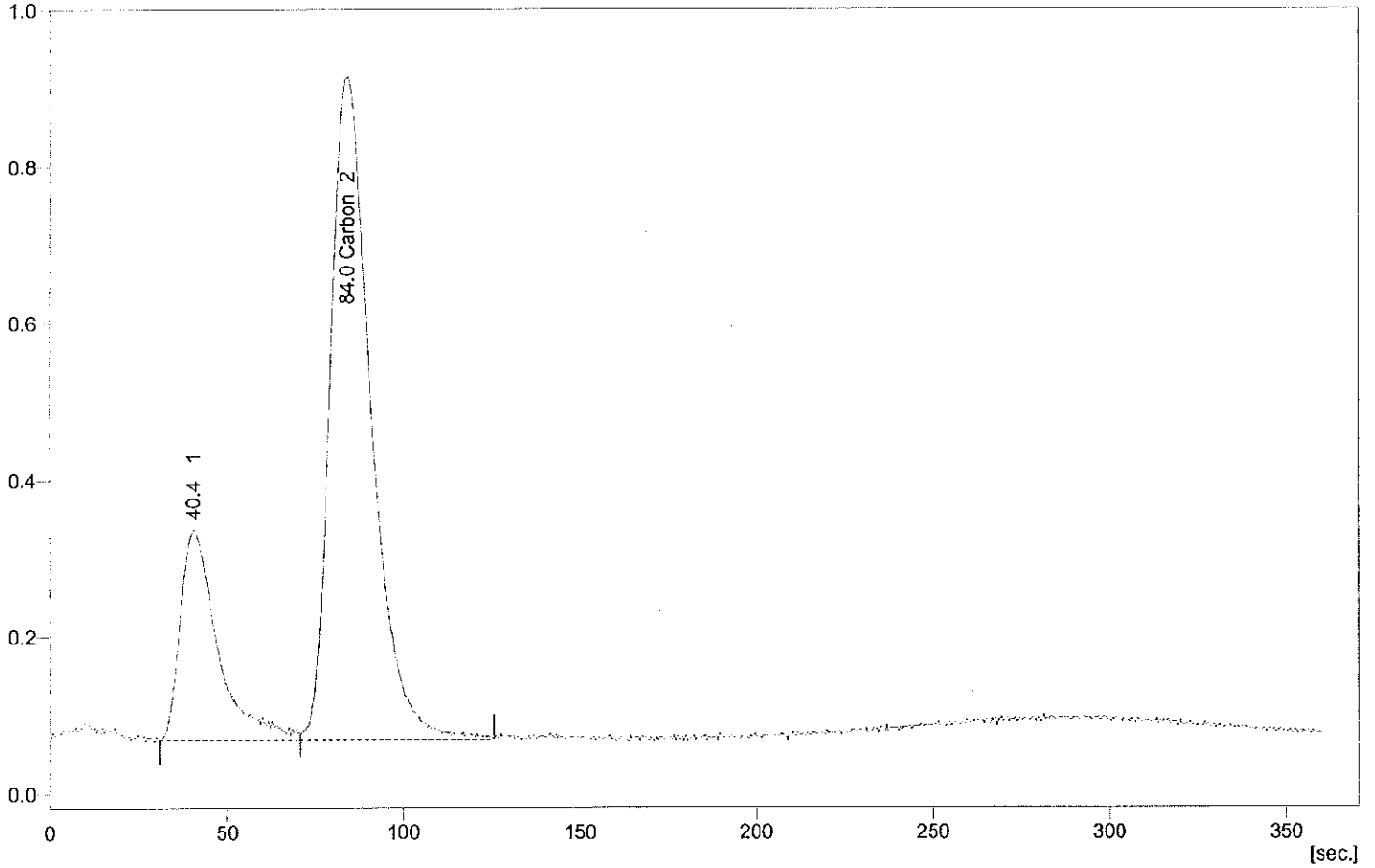
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	10.630	76.3	0.017	0.1705	1.0000	Refer
	Total	13.934	100.0	9.806	0.1705		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 7:47:29 PM
 Project : WORK2
 Weight : 10.025 mg
 Sample : 580-32803-A-46
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C044



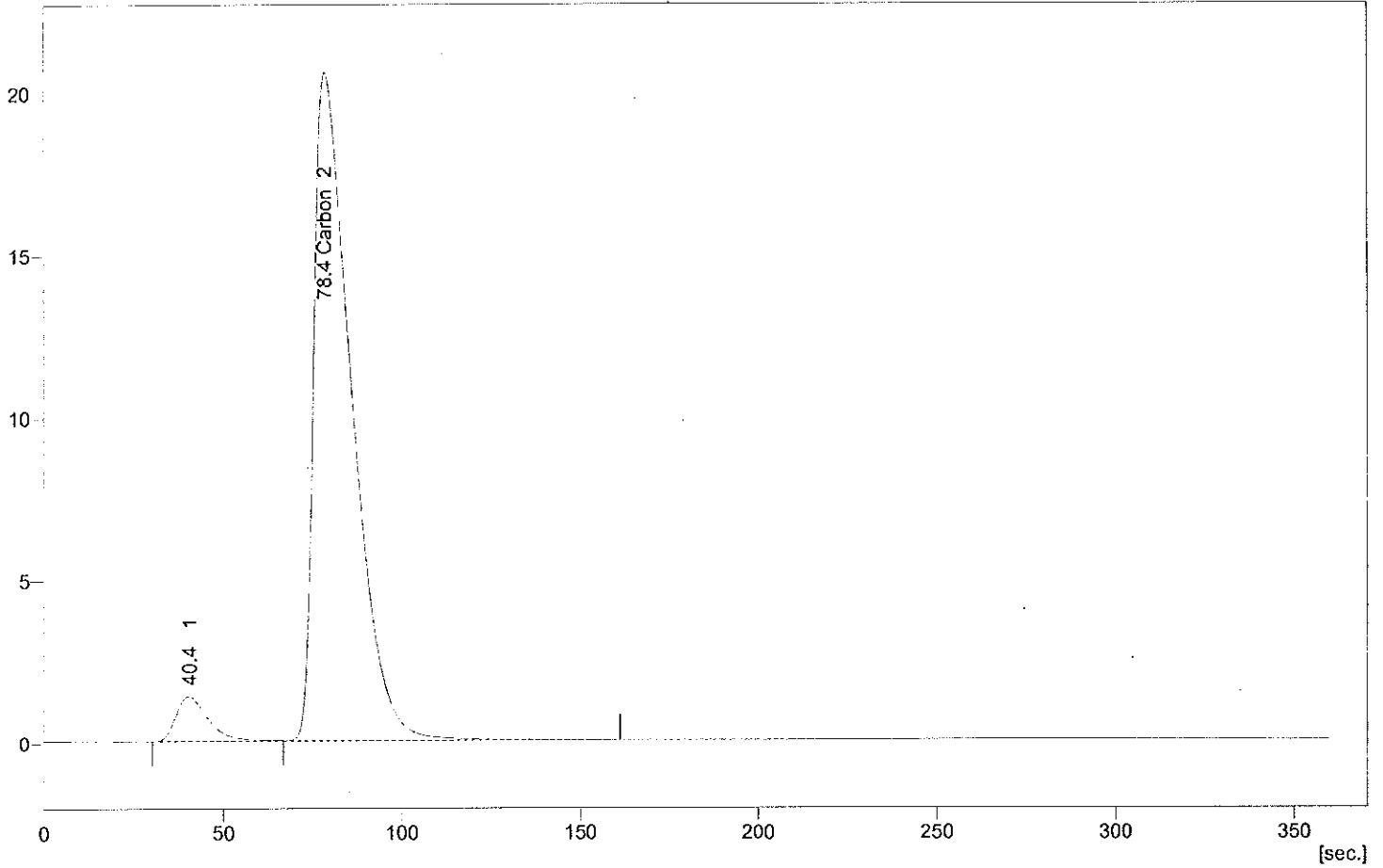
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.400	11.272	77.3	0.018	0.1756	1.0000	Refer
	Total	14.590	100.0	10.025	0.1756		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 7:54:12 PM
 Project : WORK2
 Weight : 0.46 mg
 Sample : ACETANILIDE
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C045



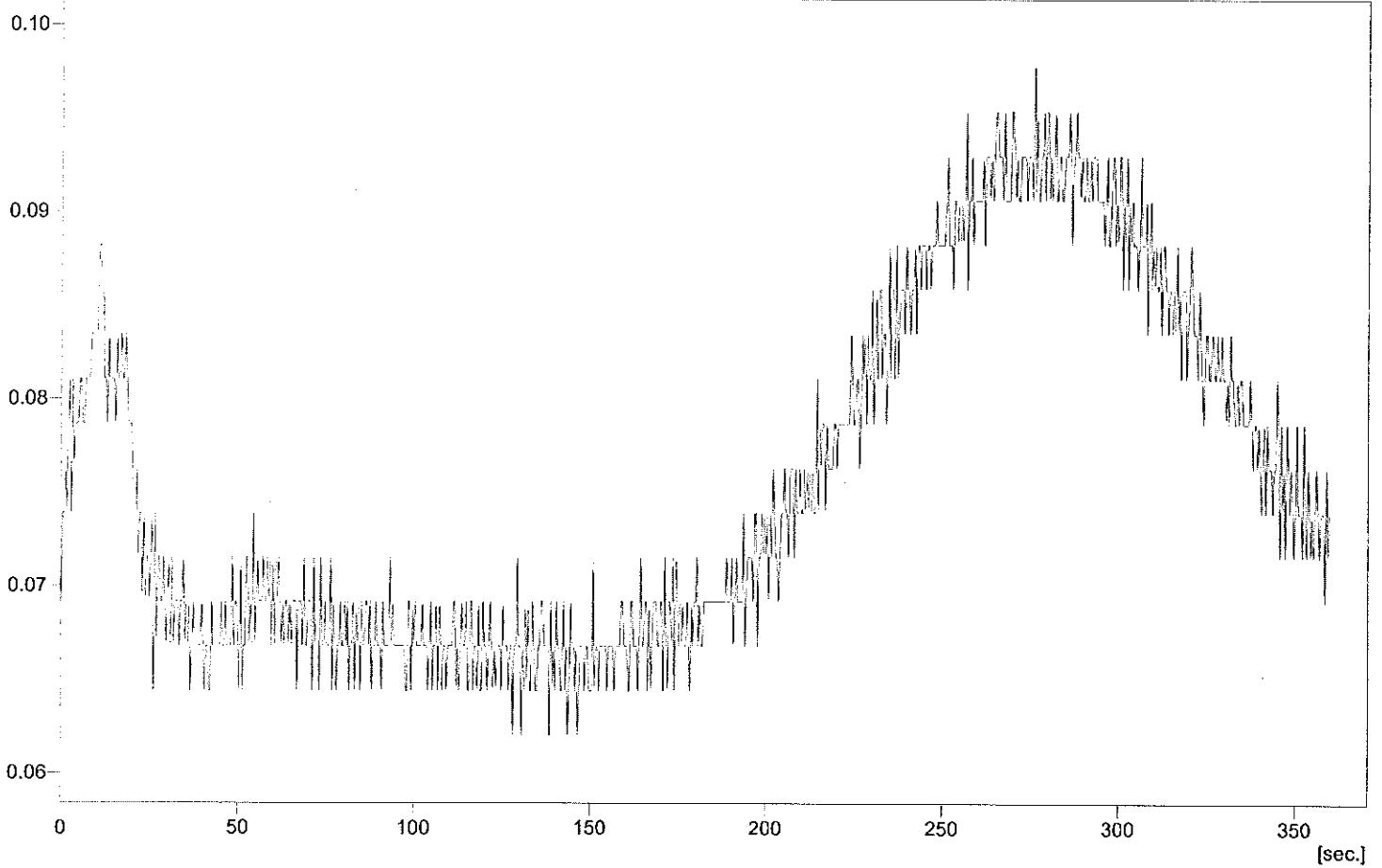
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.307	253.021	94.6	0.351	76.2369	1.0000	Refer
	Total	267.499	100.0	0.460	76.2369		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 8:01:01 PM
 Project : WORK2
 Weight : 10 mg
 Sample : BLANK
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C046



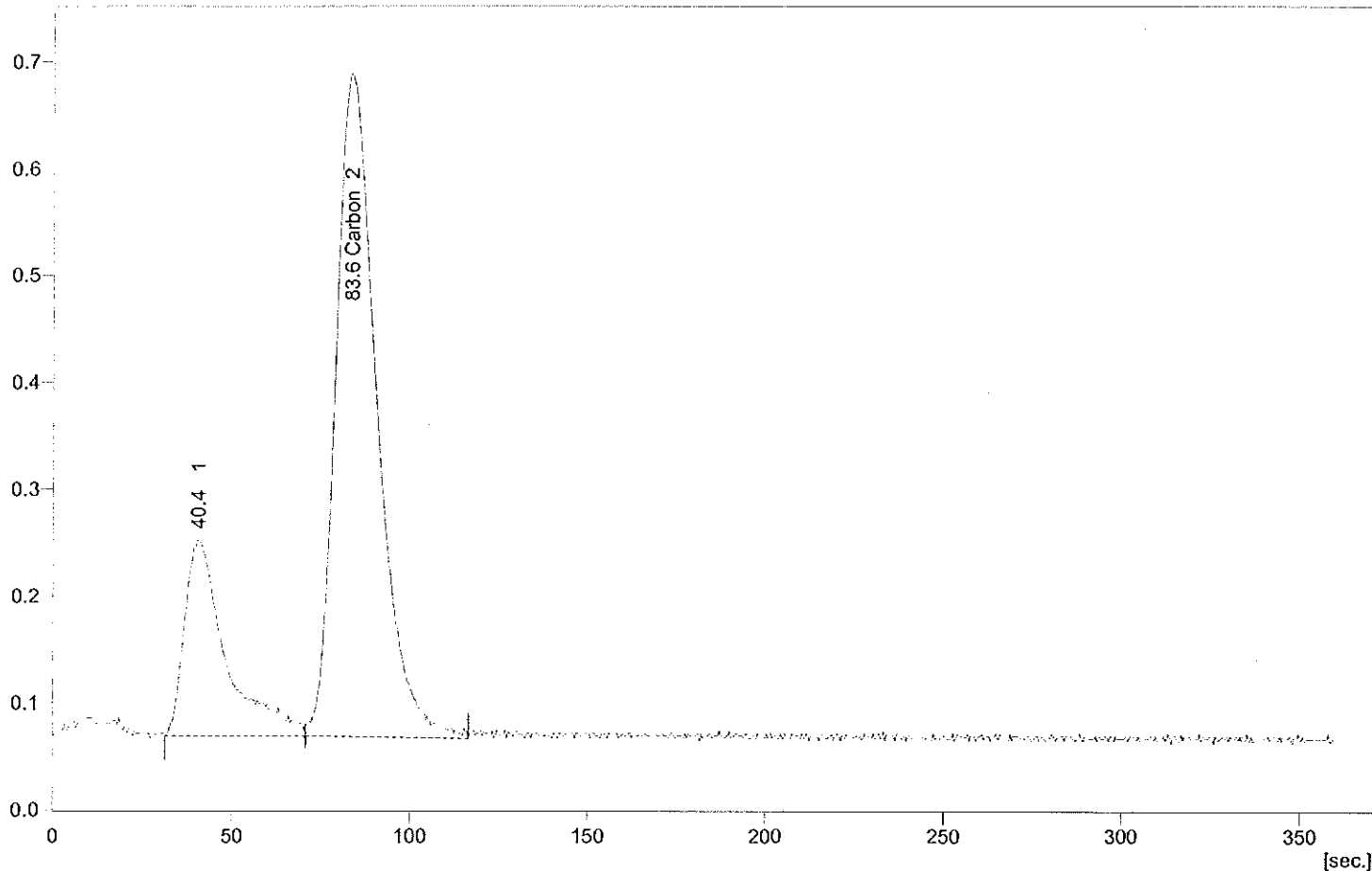
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.316						Refer
	Total	0.000	100.0	10.000	0.0000		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 8:07:44 PM
 Project : WORK2
 Weight : 9.787 mg
 Sample : 580-32803-A-53
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C047



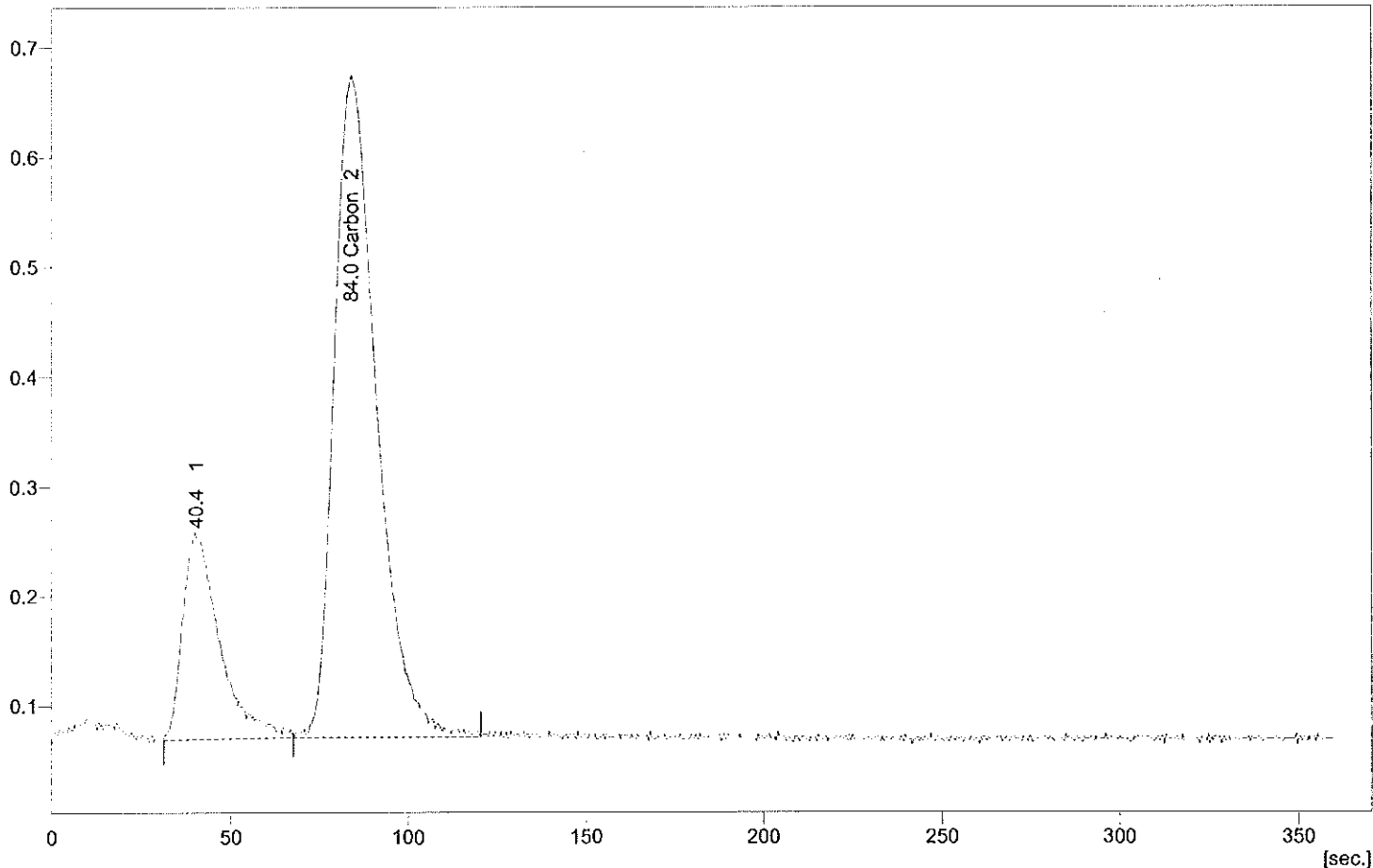
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	8.273	77.1	0.013	0.1377	1.0000	Refer
	Total	10.729	100.0	9.787	0.1377		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 8:14:28 PM
 Project : WORK2
 Weight : 9.858 mg
 Sample : 580-32803-A-53
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C048



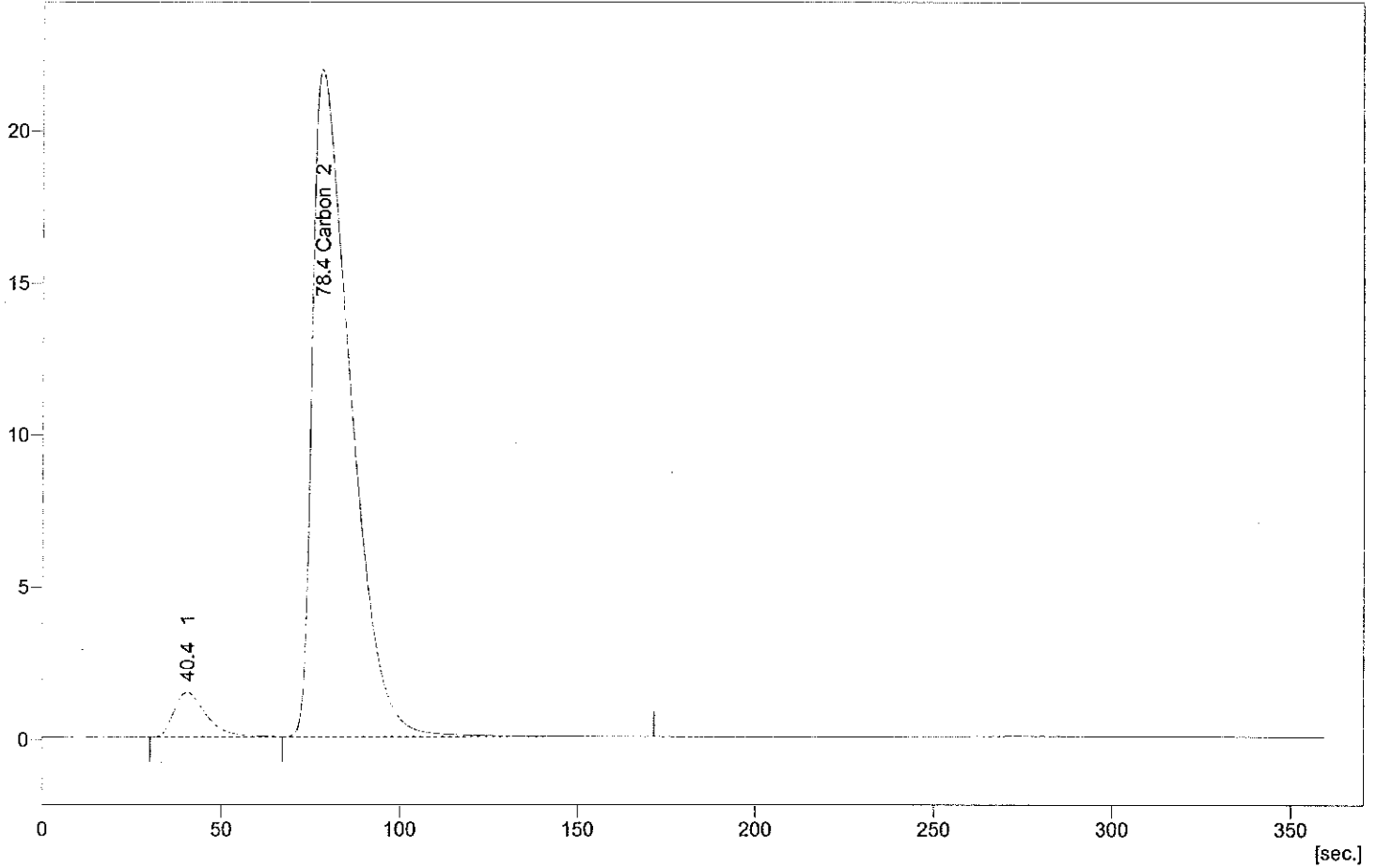
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.400	8.304	78.6	0.014	0.1371	1.0000	Refer
	Total	10.561	100.0	9.858	0.1371		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 8:21:13 PM
 Project : WORK2
 Weight : 0.544 mg
 Sample : ACETANILIDE
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C049



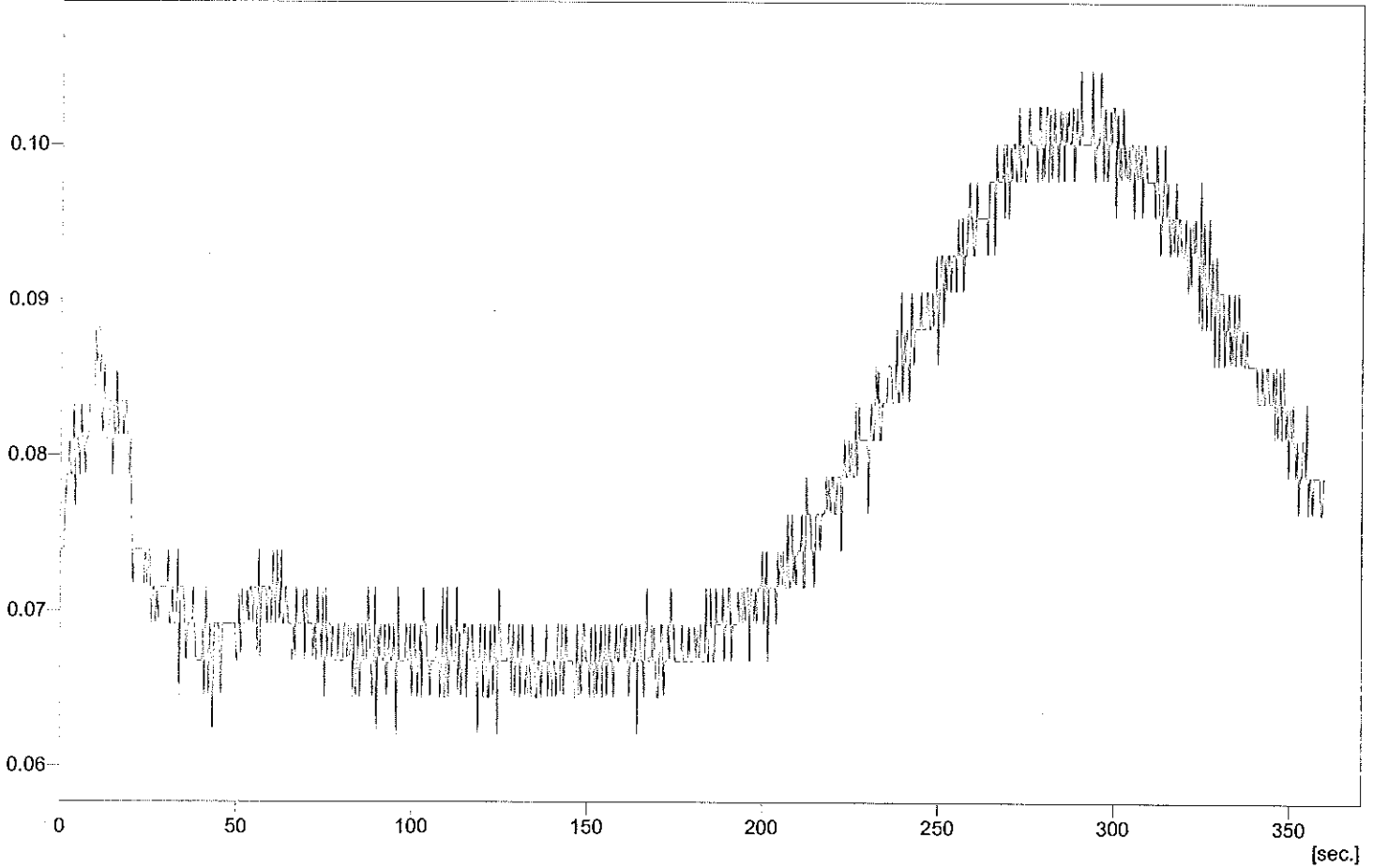
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.307	271.119	94.6	0.376	69.0488	1.0000	Refer
	Total	286.478	100.0	0.544	69.0488		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 8:27:58 PM
 Project : WORK2
 Weight : 10 mg
 Sample : BLANK
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C050



Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.316						Refer
	Total	0.000	100.0	10.000	0.0000		

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA58-COMP-120507
 Lab Sample ID 580-32803-A-7

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/12/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 51 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Sample
Sample Weight (Wet)		101.5	101.5
Sample Weight (dry)			45.9588

SHMP test

Standard ID 6/9/12
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Sample
Sample >=#230			12.1798
Sample <#230			33.779
% Passing #230			73.5

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0.6427	0.6427 g	98.6	Gravel	
#10	2000	0	0.2902	0.2902 g	98.0	Gravel	
#18	1000	0	0.6961	0.6961 g	96.5	Sand	Coarse
#35	500	0	1.9533	1.9533 g	92.2	Sand	Medium
#60	250	0	3.4537	3.4537 g	84.7	Sand	Medium
#120	125	0	2.2884	2.2884 g	79.7	Sand	Fine
#230	63	0	2.8554	2.8554 g	73.5	Sand	Fine
				0 g	73.5	Sand	Fine
				0 g	73.5		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	54.9805	55.6582	0.67558	11.295	24.5763597	48.92364	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	54.3597	54.8115	0.44968	8.19	17.82030862	31.103332	Silt	Medium
6 to 7	7.8	18	00:08:00	10	52.9215	53.2095	0.28588	5.43	11.81492989	19.288402	Silt	Fine
7 to 8	3.9	18	00:31:59	10	58.8097	58.9891	0.17728	3.03	6.592861432	12.69554	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	59.2756	59.3944	0.11668	1.915	4.16677546	8.5287649	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	54.2076	54.2881	0.07838	1.59	3.459620356	5.0691445	Clay	Medium
10 to 11	0.49	18	34:06:00	10	51.6982	51.7469	0.04658	2.329	5.067582269	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA08-COMP-120507
 Lab Sample ID 580-32803-A-10

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/14/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 51 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Sample	Sample
	114.3	114.3
		39.8313

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

Tare	Pan+Sample	Sample
		11.3623
		28.469
		71.5

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0.9583	0.9583 g	97.6	Gravel	
#10	2000	0	0.3805	0.3805 g	96.6	Gravel	
#18	1000	0	0.5993	0.5993 g	95.1	Sand	Coarse
#35	500	0	1.9291	1.9291 g	90.3	Sand	Medium
#60	250	0	3.5442	3.5442 g	81.4	Sand	Medium
#120	125	0	2.4825	2.4825 g	75.2	Sand	Fine
#230	63	0	1.4684	1.4684 g	71.5	Sand	Fine
				0 g	71.5	Sand	Fine
				0 g	71.5		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42		18 00:00:20	20	53.4312	54.0027	0.56938	10.365	26.02224883	45.477751	Silt	Coarse
5 to 6	15.6		18 00:02:00	10	53.4947	53.8589	0.36208	6.09	15.2894834	30.188268	Silt	Medium
6 to 7	7.8		18 00:08:00	10	53.7461	53.9885	0.24028	4.525	11.36041254	18.827855	Silt	Fine
7 to 8	3.9		18 00:31:59	10		53.7819	0.14978	2.89	7.255600495	11.572255	Silt	Very Fine
8 to 9	1.95		18 02:08:00	10	60.6862	60.7803	0.09198	1.5	3.76588261	7.8063721	Clay	Coarse
9 to 10	0.98		18 08:32:00	10	47.644	47.7081	0.06198	1.21	3.037811972	4.7685602	Clay	Medium
10 to 11	0.49		18 34:06:00	10	56.5604	56.6003	0.03778	1.889	4.7425015	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA06-COMP-120507
 Lab Sample ID 580-32803-A-15

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 46 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Samp	Samp
	118.2	118.2
		63.8479

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

Tare	Pan+Samp	Samp
		32.6189
		31.229
		48.9

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0.0125	0.0125 g	100.0	Gravel	
#10	2000	0	0.0912	0.0912 g	99.9	Gravel	
#18	1000	0	0.5216	0.5216 g	99.1	Sand	Coarse
#35	500	0	2.6926	2.6926 g	94.9	Sand	Medium
#60	250	0	9.3415	9.3415 g	80.3	Sand	Medium
#120	125	0	11.0186	11.0186 g	63.0	Sand	Fine
#230	63	0	8.9409	8.9409 g	49.0	Sand	Fine
				0 g	49.0	Sand	Fine
				0 g	49.0		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42		18 00:00:20	20	53.1101	53.7368	0.62458	14.86	23.27406226	25.625938	Silt	Coarse
5 to 6	15.6		18 00:02:00	10	54.9591	55.2886	0.32738	4.51	7.063662235	18.562276	Silt	Medium
6 to 7	7.8		18 00:08:00	10	53.8914	54.1307	0.23718	4.22	6.60945779	11.952818	Silt	Fine
7 to 8	3.9		18 00:31:59	10	54.0182	54.1731	0.15278	2.895	4.534213341	7.4186044	Silt	Very Fine
8 to 9	1.95		18 02:08:00	10	54.2268	54.3238	0.09488	1.51	2.36499556	5.0536088	Clay	Coarse
9 to 10	0.98		18 08:32:00	10	51.9272	51.994	0.06468	1.435	2.247528893	2.8060799	Clay	Medium
10 to 11	0.49		18 34:06:00	10	50.6053	50.6434	0.03598	1.799	2.817633783	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA10-SS39-120507
 Lab Sample ID 580-32803-A-16

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 38 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Sample
Sample Weight (Wet)		102	102
Sample Weight (dry)			90.3719

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Sample
Sample >=#230			60.7629
Sample <#230			29.609
% Passing #230			32.8

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	7.5239	7.5239 g	91.7	Gravel	
#10	2000	0	6.4996	6.4996 g	84.5	Gravel	
#18	1000	0	6.5482	6.5482 g	77.3	Sand	Coarse
#35	500	0	6.7515	6.7515 g	69.8	Sand	Medium
#60	250	0	7.767	7.767 g	61.2	Sand	Medium
#120	125	0	10.2077	10.2077 g	49.9	Sand	Fine
#230	63	0	15.465	15.465 g	32.8	Sand	Fine
				0 g	32.8	Sand	Fine
				0 g	32.8		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	59.6345	60.2288	0.59218	10.585	11.71271158	21.087288	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	53.9866	54.3692	0.38048	5.55	6.141289494	14.945999	Silt	Medium
6 to 7	7.8	18	00:08:00	10	59.6764	59.948	0.26948	4.8	5.311385508	9.6346134	Silt	Fine
7 to 8	3.9	18	00:31:59	10	52.0252	52.2008	0.17348	2.825	3.125971679	6.5086417	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	60.7641	60.8832	0.11698	2	2.213077295	4.2955644	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	47.394	47.4731	0.07698	1.71	1.892181087	2.4033834	Clay	Medium
10 to 11	0.49	18	34:06:00	10	62.1248	62.1697	0.04278	2.139	2.366886167	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA10-SS41-120507
 Lab Sample ID 580-32803-A-17

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 30 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Sample	Sample
	98.9	98.9
		53.8401

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

Tare	Pan+Sample	Sample
		28.9261
		24.914
		46.3

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	4.6215	4.6215 g	91.4	Gravel	
#10	2000	0	2.9496	2.9496 g	85.9	Gravel	
#18	1000	0	1.2517	1.2517 g	83.6	Sand	Coarse
#35	500	0	2.6728	2.6728 g	78.6	Sand	Medium
#60	250	0	9.4827	9.4827 g	61.0	Sand	Medium
#120	125	0	5.254	5.254 g	51.2	Sand	Fine
#230	63	0	2.6938	2.6938 g	46.2	Sand	Fine
				0 g	46.2	Sand	Fine
				0 g	46.2		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	55.0451	55.5455	0.49828	8.56	15.89893035	30.40107	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	58.5362	58.8654	0.32708	4.185	7.773016766	22.628053	Silt	Medium
6 to 7	7.8	18	00:08:00	10	57.9807	58.2262	0.24338	4.255	7.903031384	14.725021	Silt	Fine
7 to 8	3.9	18	00:31:59	10	61.3746	61.535	0.15828	2.725	5.061283319	9.6637382	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	56.3146	56.4205	0.10378	1.975	3.668269561	5.9954686	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	51.0554	51.1218	0.06428	1.365	2.535285038	3.4601836	Clay	Medium
10 to 11	0.49	18	34:06:00	10	62.0715	62.1106	0.03698	1.849	3.43424325	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA10-SS40-120507
 Lab Sample ID 580-32803-A-18

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 40 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Sample	Sample
	112	112
		49.6483

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

Tare	Pan+Sample	Sample
		15.8343
		33.814
		68.1

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0.2905	0.2905 g	99.4	Gravel	
#10	2000	0	0.2339	0.2339 g	98.9	Gravel	
#18	1000	0	0.1969	0.1969 g	98.5	Sand	Coarse
#35	500	0	0.4706	0.4706 g	97.6	Sand	Medium
#60	250	0	1.9615	1.9615 g	93.6	Sand	Medium
#120	125	0	5.891	5.891 g	81.7	Sand	Fine
#230	63	0	6.7899	6.7899 g	68.0	Sand	Fine
				0 g	68.0	Sand	Fine
				0 g	68.0		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	52.7584	53.4368	0.67628	13	26.18417952	41.91582	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	50.7561	51.1745	0.41628	4.84	9.748571452	32.167249	Silt	Medium
6 to 7	7.8	18	00:08:00	10	58.7911	59.1127	0.31948	6.06	12.20585599	19.961393	Silt	Fine
7 to 8	3.9	18	00:31:59	10	62.3086	62.509	0.19828	3.725	7.502774516	12.458619	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	56.8871	57.013	0.12378	2.355	4.743364828	7.7152537	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	57.0639	57.1427	0.07668	1.775	3.575147588	4.1401061	Clay	Medium
10 to 11	0.49	18	34:06:00	10	58.0328	58.0761	0.04118	2.059	4.147171202	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA10-SS43-120507
 Lab Sample ID 580-32803-A-19

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 39 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Sample	Sample
	95.6	95.6
		46.2638

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

Tare	Pan+Sample	Sample
		16.0598
		30.204
		65.3

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0.5987	0.5987 g	98.7	Gravel	
#10	2000	0	0.122	0.122 g	98.4	Gravel	
#18	1000	0	0.1266	0.1266 g	98.1	Sand	Coarse
#35	500	0	0.3025	0.3025 g	97.4	Sand	Medium
#60	250	0	1.0533	1.0533 g	95.1	Sand	Medium
#120	125	0	3.0263	3.0263 g	88.6	Sand	Fine
#230	63	0	10.8304	10.8304 g	65.2	Sand	Fine
				0 g	65.2	Sand	Fine
				0 g	65.2		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42		18 00:00:20	20	61.1782	61.7844	0.60408	14.045	30.35850924	34.941491	Silt	Coarse
5 to 6	15.6		18 00:02:00	10	61.4347	61.76	0.32318	4.455	9.62955918	25.311932	Silt	Medium
6 to 7	7.8		18 00:08:00	10	57.1233	57.3595	0.23408	3.875	8.375879197	16.936052	Silt	Fine
7 to 8	3.9		18 00:31:59	10	58.3418	58.5005	0.15658	2.775	5.998210264	10.937842	Silt	Very Fine
8 to 9	1.95		18 02:08:00	10	57.2908	57.394	0.10108	1.675	3.62054133	7.3173008	Clay	Coarse
9 to 10	0.98		18 08:32:00	10	46.5821	46.6518	0.06758	1.435	3.101777199	4.2155236	Clay	Medium
10 to 11	0.49		18 34:06:00	10	49.2137	49.2547	0.03888	1.944	4.20198946	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA10-SS42-120507
 Lab Sample ID 580-32803-A-20

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 37 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Samp
Sample Weight (Wet)		116.3	116.3
Sample Weight (dry)			43.8775

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Samp
Sample >=#230			1.1185
Sample <#230			42.759
% Passing #230			97.5

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0.0656	0.0656 g	99.9	Gravel	
#10	2000	0	0.0328	0.0328 g	99.8	Gravel	
#18	1000	0	0.0669	0.0669 g	99.6	Sand	Coarse
#35	500	0	0.07	0.07 g	99.4	Sand	Medium
#60	250	0	0.1167	0.1167 g	99.1	Sand	Medium
#120	125	0	0.2878	0.2878 g	98.4	Sand	Fine
#230	63	0	0.4787	0.4787 g	97.3	Sand	Fine
				0 g	97.3	Sand	Fine
				0 g			
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42		18 00:00:20	20	52.0929	52.9502	0.85518	23.655	53.91145804	43.588542	Silt	Coarse
5 to 6	15.6		18 00:02:00	10	54.3386	54.7228	0.38208	5.95	13.56048088	30.028061	Silt	Medium
6 to 7	7.8		18 00:08:00	10	53.3464	53.6116	0.26308	4.74	10.80280326	19.225258	Silt	Fine
7 to 8	3.9		18 00:31:59	10	61.3733	61.5437	0.16828	3.01	6.860007977	12.36525	Silt	Very Fine
8 to 9	1.95		18 02:08:00	10	56.9178	57.028	0.10808	1.9	4.330237593	8.0350123	Clay	Coarse
9 to 10	0.98		18 08:32:00	10	61.0747	61.1469	0.07008	1.655	3.771864851	4.2631474	Clay	Medium
10 to 11	0.49		18 34:06:00	10	59.549	59.5881	0.03698	1.849	4.2140049	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client	Anchor QEA LLC	Date Received	5/7/2012
Client Sample ID	JW-EA10-COMP-120507	Start Date	6/7/2012
Lab Sample ID	580-32803-A-21	End Date	6/15/2012

Dry Weight Determination

Tin Weight	0 g
Wet Sample + Tin	0 g
Dry Sample + Tin	0 g
% Moisture	37 %

Default Soil Gravity	2.65
----------------------	------

Sample Weights

	Tare	Pan+Sample	Samp
Sample Weight (Wet)		114.6	114.6
Sample Weight (dry)			55.7478

Sample Split

	Tare	Pan+Sample	Samp
Sample >=#230			20.9888
Sample <#230			34.759
% Passing #230			62.4

SHMP test

Standard ID	6/9/2012
Weight of aliquot 1 (mg)	5.4
Weight of aliquot 2 (mg)	1.6
Weight of aliquot 3 (mg)	0.9
Weight of aliquot 4 (mg)	1.1
Weight of aliquot 5 (mg)	1.6
Average Weight (mg)	2.12

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	1.365	1.365 g	97.6	Gravel	
#10	2000	0	0.6301	0.6301 g	96.5	Gravel	
#18	1000	0	0.4723	0.4723 g	95.7	Sand	Coarse
#35	500	0	0.9533	0.9533 g	94.0	Sand	Medium
#60	250	0	3.4083	3.4083 g	87.9	Sand	Medium
#120	125	0	4.1812	4.1812 g	80.4	Sand	Fine
#230	63	0	9.9786	9.9786 g	62.5	Sand	Fine
				0 g	62.5	Sand	Fine
				0 g	62.5		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	54.5359	55.2332	0.69518	15.21	27.28358787	35.116412	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	52.331	52.7241	0.39098	5.495	9.856891214	25.259521	Silt	Medium
6 to 7	7.8	18	00:08:00	10	53.5786	53.8618	0.28108	5.285	9.480194734	15.779326	Silt	Fine
7 to 8	3.9	18	00:31:59	10	53.8854	54.0629	0.17538	2.88	5.166123147	10.613203	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	52.2637	52.3836	0.11778	2.075	3.722119976	6.8910831	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	58.5869	58.6653	0.07628	1.82	3.264702822	3.6263802	Clay	Medium
10 to 11	0.49	18	34:06:00	10	60.0987	60.1407	0.03988	1.994	3.576822763	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA07-COMP-120507
 Lab Sample ID 580-32803-A-26

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 41 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Sample	Samp
	107.9	107.9
		50.6022

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

Tare	Pan+Sample	Samp
		18.7832
		31.819
		62.9

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	3.1023	3.1023 g	93.9	Gravel	
#10	2000	0	1.0504	1.0504 g	91.8	Gravel	
#18	1000	0	0.759	0.759 g	90.3	Sand	Coarse
#35	500	0	1.0592	1.0592 g	88.2	Sand	Medium
#60	250	0	3.7036	3.7036 g	80.9	Sand	Medium
#120	125	0	5.1794	5.1794 g	70.7	Sand	Fine
#230	63	0	3.9293	3.9293 g	62.9	Sand	Fine
				0 g	62.9	Sand	Fine
				0 g	62.9		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42		18 00:00:20	20	52.9036	53.5421	0.63638	12.77	25.23605693	37.663943	Silt	Coarse
5 to 6	15.6		18 00:02:00	10	60.3621	60.7452	0.38098	5.165	10.2070661	27.456877	Silt	Medium
6 to 7	7.8		18 00:08:00	10	53.658	53.9378	0.27768	5.06	9.99565236	17.457312	Silt	Fine
7 to 8	3.9		18 00:31:59	10	65.5956	65.7742	0.17648	2.945	5.819905063	11.637407	Silt	Very Fine
8 to 9	1.95		18 02:08:00	10	53.5618	53.6815	0.11758	1.83	3.616443554	8.0209631	Clay	Coarse
9 to 10	0.98		18 08:32:00	10	59.6495	59.7326	0.08098	1.69	3.339775741	4.6811874	Clay	Medium
10 to 11	0.49		18 34:06:00	10	53.8608	53.9101	0.04718	2.359	4.661852647	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA03-COMP-120507
 Lab Sample ID 580-32803-A-30

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 57 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Samp
Sample Weight (Wet)		103.3	103.3
Sample Weight (dry)			37.0967

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Samp
Sample >=#230			4.7077
Sample <#230			32.389
% Passing #230			87.3

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0	0 g	100.0	Gravel	
#10	2000	0	0.1644	0.1644 g	99.6	Gravel	
#18	1000	0	0.3936	0.3936 g	98.5	Sand	Coarse
#35	500	0	0.7172	0.7172 g	96.6	Sand	Medium
#60	250	0	0.7738	0.7738 g	94.5	Sand	Medium
#120	125	0	0.7935	0.7935 g	92.4	Sand	Fine
#230	63	0	1.8652	1.8652 g	87.4	Sand	Fine
				0 g	87.4	Sand	Fine
				0 g			
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	53.9469	54.5968	0.64778	15.645	42.17356261	45.126437	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	49.6816	50.0186	0.33488	4.845	13.0604609	32.065976	Silt	Medium
6 to 7	7.8	18	00:08:00	10	55.2431	55.4832	0.23798	4.15	11.1869789	20.878998	Silt	Fine
7 to 8	3.9	18	00:31:59	10	59.1063	59.2634	0.15498	2.47	6.658274186	14.220723	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	54.5747	54.6824	0.10558	1.68	4.52870471	9.6920187	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	49.5201	49.5942	0.07198	1.47	3.962616621	5.7294021	Clay	Medium
10 to 11	0.49	18	34:06:00	10	53.7057	53.7504	0.04258	2.129	5.739054956	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA02-COMP-120507
 Lab Sample ID 580-32803-A-36

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 57 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Samp
Sample Weight (Wet)		100.8	100.8
Sample Weight (dry)			35.1836

Sample Split

	Tare	Pan+Sample	Samp
Sample >=#230			2.7096
Sample <#230			32.474
% Passing #230			92.3

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0.0582	0.0582 g	99.8	Gravel	
#10	2000	0	0.097	0.097 g	99.5	Gravel	
#18	1000	0	0.3234	0.3234 g	98.6	Sand	Coarse
#35	500	0	0.5128	0.5128 g	97.1	Sand	Medium
#60	250	0	0.671	0.671 g	95.2	Sand	Medium
#120	125	0	0.5093	0.5093 g	93.8	Sand	Fine
#230	63	0	0.5379	0.5379 g	92.3	Sand	Fine
				0 g	92.3	Sand	Fine
				0 g	92.3		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	58.5613	59.2129	0.64948	16.04	45.58942234	46.710578	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	60.2313	60.5621	0.32868	4.925	13.99799907	32.712579	Silt	Medium
6 to 7	7.8	18	00:08:00	10	61.8478	62.0801	0.23018	4.59	13.04585091	19.666728	Silt	Fine
7 to 8	3.9	18	00:31:59	10	54.5402	54.6807	0.13838	2.35	6.679248286	12.987479	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	51.2748	51.3683	0.09138	1.565	4.448095135	8.5393843	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	54.1324	54.1946	0.06008	-16.93	-48.11900999	56.658394	Clay	Medium
10 to 11	0.49	18	34:06:00	10	61.4824	61.8832	0.39868	19.934	56.65707887	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA04-COMP-120507
 Lab Sample ID 580-32803-A-41

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 35 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Sample
Sample Weight (Wet)		105.9	105.9
Sample Weight (dry)			56.5911

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Sample
Sample >=#230			31.5121
Sample <#230			25.079
% Passing #230			44.3

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	1.8104	1.8104 g	96.8	Gravel	
#10	2000	0	0.3987	0.3987 g	96.1	Gravel	
#18	1000	0	0.3986	0.3986 g	95.4	Sand	Coarse
#35	500	0	3.0067	3.0067 g	90.1	Sand	Medium
#60	250	0	10.6588	10.6588 g	71.3	Sand	Medium
#120	125	0	6.0121	6.0121 g	60.7	Sand	Fine
#230	63	0	9.2268	9.2268 g	44.4	Sand	Fine
				0 g	44.4	Sand	Fine
				0 g	44.4		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	50.7832	51.2869	0.50158	11.095	19.60555635	24.694444	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	61.9905	62.2723	0.27968	2.89	5.106810081	19.587634	Silt	Medium
6 to 7	7.8	18	00:08:00	10	55.4502	55.6742	0.22188	3.275	5.787129072	13.800504	Silt	Fine
7 to 8	3.9	18	00:31:59	10	60.6877	60.8462	0.15638	2.555	4.514844207	9.2856603	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	52.9668	53.0742	0.10528	1.91	3.375089016	5.9105713	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	59.9456	60.0148	0.06708	1.535	2.712440649	3.1981306	Clay	Medium
10 to 11	0.49	18	34:06:00	10	53.0617	53.1002	0.03638	1.819	3.214286345	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA01-SS03-120507
 Lab Sample ID 580-32803-A-42

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 41 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Sample
Sample Weight (Wet)		101.1	101.1
Sample Weight (dry)			54.0893

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Sample
Sample >=#230			28.3553
Sample <#230			25.734
% Passing #230			47.6

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	13.4175	13.4175 g	75.2	Gravel	
#10	2000	0	4.2349	4.2349 g	67.4	Gravel	
#18	1000	0	2.2844	2.2844 g	63.2	Sand	Coarse
#35	500	0	2.3231	2.3231 g	58.9	Sand	Medium
#60	250	0	3.3869	3.3869 g	52.6	Sand	Medium
#120	125	0	2.0943	2.0943 g	48.7	Sand	Fine
#230	63	0	0.6142	0.6142 g	47.6	Sand	Fine
				0 g	47.6	Sand	Fine
				0 g	47.6		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	51.513	52.0298	0.51468	8.72	16.12148798	31.478512	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	59.9795	60.3219	0.34028	3.875	7.164078663	24.314433	Silt	Medium
6 to 7	7.8	18	00:08:00	10	52.4815	52.7464	0.26278	5.025	9.29019233	15.024241	Silt	Fine
7 to 8	3.9	18	00:31:59	10	59.8898	60.0542	0.16228	3.385	6.258169361	8.7660717	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	53.9969	54.0936	0.09458	2.155	3.984152134	4.7819195	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	50.3486	50.4022	0.05148	1.115	2.06140586	2.7205137	Clay	Medium
10 to 11	0.49	18	34:06:00	10	51.6685	51.6998	0.02918	1.459	2.697391166	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA01-SS04-120507
 Lab Sample ID 580-32803-A-43

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 51 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Samp
Sample Weight (Wet)		103.8	103.8
Sample Weight (dry)			35.0356

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Samp
Sample >=#230			1.1666
Sample <#230			33.869
% Passing #230			96.7

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0	0 g	100.0	Gravel	
#10	2000	0	0.1201	0.1201 g	99.7	Gravel	
#18	1000	0	0.1268	0.1268 g	99.3	Sand	Coarse
#35	500	0	0.1775	0.1775 g	98.8	Sand	Medium
#60	250	0	0.2536	0.2536 g	98.1	Sand	Medium
#120	125	0	0.1748	0.1748 g	97.6	Sand	Fine
#230	63	0	0.3138	0.3138 g	96.7	Sand	Fine
				0 g	96.7	Sand	Fine
				0 g	96.7		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	53.3874	54.0669	0.67738	14.86	42.41400176	54.285998	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	52.7521	53.1344	0.38018	5.1	14.55662241	39.729376	Silt	Medium
6 to 7	7.8	18	00:08:00	10	54.0288	54.3091	0.27818	5.365	15.31299592	24.41638	Silt	Fine
7 to 8	3.9	18	00:31:59	10	48.6004	48.7734	0.17088	3.45	9.847126922	14.569253	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	54.0117	54.1157	0.10188	1.93	5.508682597	9.0605704	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	52.7114	52.7768	0.06328	1.42	4.053020356	5.00755	Clay	Medium
10 to 11	0.49	18	34:06:00	10	51.5059	51.5429	0.03488	1.744	4.977794015	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA01-SS01-120507
 Lab Sample ID 580-32803-A-44

Date Received 5/7/2012
 Start Date 6/8/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 62 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Sample	Sample
	80.5	80.5
		30.2053

Sample Split

Tare	Pan+Sample	Sample
		1.3913
		28.814
		95.4

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0	0 g	100.0	Gravel	
#10	2000	0	0.2793	0.2793 g	99.1	Gravel	
#18	1000	0	0.3589	0.3589 g	97.9	Sand	Coarse
#35	500	0	0.1946	0.1946 g	97.3	Sand	Medium
#60	250	0	0.1968	0.1968 g	96.6	Sand	Medium
#120	125	0	0.1928	0.1928 g	96.0	Sand	Fine
#230	63	0	0.1689	0.1689 g	95.4	Sand	Fine
				0 g	95.4	Sand	Fine
				0 g	95.4		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	21	00:00:20	20	61.3257	61.9041	0.57628	9.67	32.01424915	63.385751	Silt	Coarse
5 to 6	15.6	21	00:01:51	10	50.2685	50.6535	0.38288	6.855	22.69469265	40.691058	Silt	Medium
6 to 7	7.8	21	00:07:25	10	60.7706	61.0185	0.24578	6.15	20.36066518	20.330393	Silt	Fine
7 to 8	3.9	21	00:29:41	10	61.613	61.7379	0.12278	3.105	10.27965291	10.05074	Silt	Very Fine
8 to 9	1.95	21	01:59:00	10	54.1009	54.1637	0.06068	1.575	5.214316693	4.8364234	Clay	Coarse
9 to 10	0.98	21	07:56:00	10	52.248	52.2793	0.02918	0.385	1.274610747	3.5618127	Clay	Medium
10 to 11	0.49	21	31:40:00	10	57.6239	57.6475	0.02148	1.074	3.555667383	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA01-SS02-120507
 Lab Sample ID 580-32803-A-45

Date Received 5/7/2012
 Start Date 6/8/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 53 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Samp	Samp
Sample Weight (Wet)		103.7	103.7
Sample Weight (dry)			42.5054

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Samp	Samp
Sample >=#230			8.8664
Sample <#230			33.639
% Passing #230			79.1

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	2.4446	2.4446 g	94.2	Gravel	
#10	2000	0	0.4026	0.4026 g	93.3	Gravel	
#18	1000	0	0.9199	0.9199 g	91.1	Sand	Coarse
#35	500	0	1.379	1.379 g	87.9	Sand	Medium
#60	250	0	1.4527	1.4527 g	84.5	Sand	Medium
#120	125	0	1.0805	1.0805 g	82.0	Sand	Fine
#230	63	0	1.1871	1.1871 g	79.2	Sand	Fine
				0 g	79.2	Sand	Fine
				0 g	79.2		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	21	00:00:20	20	51.1124	51.7873	0.67278	8.85	20.82088393	58.279116	Silt	Coarse
5 to 6	15.6	21	00:01:51	10	61.0805	61.5784	0.49578	9.52	22.39715424	35.881962	Silt	Medium
6 to 7	7.8	21	00:07:25	10	60.9639	61.2714	0.30538	7.74	18.20945103	17.672511	Silt	Fine
7 to 8	3.9	21	00:29:41	10	52.4733	52.626	0.15058	3.675	8.645960278	9.0265505	Silt	Very Fine
8 to 9	1.95	21	01:59:00	10	52.8812	52.9604	0.07708	1.945	4.575889181	4.4506613	Clay	Coarse
9 to 10	0.98	21	07:56:00	10	50.3152	50.3555	0.03818	0.605	1.423348563	3.0273128	Clay	Medium
10 to 11	0.49	21	31:40:00	10	48.6935	48.7217	0.02608	1.304	3.067845497	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA01-COMP-120507
 Lab Sample ID 580-32803-A-46

Date Received 5/7/2012
 Start Date 6/8/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 53 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Samp
Sample Weight (Wet)		103.2	103.2
Sample Weight (dry)			45.6181

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Samp
Sample >=#230			9.5791
Sample <#230			36.039
% Passing #230			79

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	4.4573	4.4573 g	90.2	Gravel	
#10	2000	0	0.7965	0.7965 g	88.5	Gravel	
#18	1000	0	0.8878	0.8878 g	86.6	Sand	Coarse
#35	500	0	0.8722	0.8722 g	84.7	Sand	Medium
#60	250	0	1.2202	1.2202 g	82.0	Sand	Medium
#120	125	0	0.851	0.851 g	80.1	Sand	Fine
#230	63	0	0.4941	0.4941 g	79.0	Sand	Fine
				0 g	79.0	Sand	Fine
				0 g	79.0		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	21	00:00:20	20	53.7516	54.4745	0.72078	8.805	19.30154917	59.698451	Silt	Coarse
5 to 6	15.6	21	00:01:51	10	52.8124	53.3592	0.54468	9.905	21.71287274	37.985578	Silt	Medium
6 to 7	7.8	21	00:07:25	10	52.4017	52.7504	0.34658	8.58	18.80832389	19.177254	Silt	Fine
7 to 8	3.9	21	00:29:41	10	51.3896	51.5667	0.17498	4.5	9.864505536	9.3127487	Silt	Very Fine
8 to 9	1.95	21	01:59:00	10	50.2976	50.3847	0.08498	2.23	4.888410521	4.4243381	Clay	Coarse
9 to 10	0.98	21	07:56:00	10	49.5259	49.5684	0.04038	0.725	1.589281447	2.8350567	Clay	Medium
10 to 11	0.49	21	31:40:00	10	54.6058	54.6338	0.02588	1.294	2.83659337	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA01-COMP-120507
 Lab Sample ID 580-32803-A-53

Date Received 5/7/2012
 Start Date 6/8/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 42 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Sample
Sample Weight (Wet)		108.8	108.8
Sample Weight (dry)			57.411

Sample Split

	Tare	Pan+Sample	Sample
Sample >=#230			25.507
Sample <#230			31.904
% Passing #230			55.6

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0.704	0.704 g	98.8	Gravel	
#10	2000	0	0.175	0.175 g	98.5	Gravel	
#18	1000	0	0.2188	0.2188 g	98.1	Sand	Coarse
#35	500	0	1.1045	1.1045 g	96.2	Sand	Medium
#60	250	0	5.444	5.444 g	86.7	Sand	Medium
#120	125	0	11.2087	11.2087 g	67.2	Sand	Fine
#230	63	0	6.652	6.652 g	55.6	Sand	Fine
				0 g	55.6	Sand	Fine
				0 g			
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	21	00:00:20	20	51.0835	51.7237	0.63808	9.35	16.28607758	39.313922	Silt	Coarse
5 to 6	15.6	21	00:01:51	10	51.1678	51.621	0.45108	7.515	13.08982599	26.224096	Silt	Medium
6 to 7	7.8	21	00:07:25	10	52.5403	52.8432	0.30078	6.32	11.00834335	15.215753	Silt	Fine
7 to 8	3.9	21	00:29:41	10	60.2533	60.4298	0.17438	3.93	6.845378063	8.370375	Silt	Very Fine
8 to 9	1.95	21	01:59:00	10	51.433	51.5309	0.09578	2.085	3.631708209	4.7386668	Clay	Coarse
9 to 10	0.98	21	07:56:00	10	61.3223	61.3785	0.05408	1.35	2.351465747	2.3872011	Clay	Medium
10 to 11	0.49	21	31:40:00	10	57.8588	57.888	0.02708	1.354	2.358433053	0	Clay	Fine
			not defined	10								

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Batch Number: 113143 Batch Start Date: 06/08/12 13:16 Batch Analyst: Mattison, Adam

Batch Method: 9060_PSEP Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CaCO3 00002	TOCS_LCS 00002		
ICV 580-113143/1		9060_PSEP				0.1867 g			
LCS 580-113143/4		9060_PSEP					186.7 mg		
580-32803-A-7 MS	JW-EA58-COMP-120 507	9060_PSEP	T	0.1097 g	0.1097 g	0.1032 g			
CCV 580-113143/13		9060_PSEP				0.1061 g			
CCV 580-113143/25		9060_PSEP				0.1023 g			
CCV 580-113143/31		9060_PSEP				0.1021 g			
ICV 580-113143/33		9060_PSEP				0.2082 g			
CCV 580-113143/35		9060_PSEP				0.1066 g			
580-32803-A-7 MSD	JW-EA58-COMP-120 507	9060_PSEP	T	0.1065 g	0.1065 g	0.0981 g			
CCV 580-113143/38		9060_PSEP				0.1065 g			

Batch Notes	
Lot # of hydrochloric acid	905292

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Batch Number: 111368 Batch Start Date: 05/15/12 11:20 Batch Analyst: Lai, John

Batch Method: D 2216 Batch End Date: 05/17/12 11:11

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-32803-D-7	JW-EA58-COMP-120 507	D 2216	T	0.7796 g	7.3267 g	3.9707 g			
580-32803-D-7 DU	JW-EA58-COMP-120 507	D 2216	T	0.7996 g	7.5809 g	3.9343 g			
580-32803-E-10	JW-EA08-COMP-120 507	D 2216	T	0.7663 g	8.4277 g	4.5385 g			
580-32803-D-15	JW-EA06-COMP-120 507	D 2216	T	0.7985 g	9.6101 g	5.5772 g			
580-32803-D-16	JW-EA10-SS39-120 507	D 2216	T	0.7892 g	8.5106 g	5.5853 g			
580-32803-D-17	JW-EA10-SS41-120 507	D 2216	T	0.7961 g	8.9205 g	6.4597 g			
580-32803-D-18	JW-EA10-SS40-120 507	D 2216	T	0.7773 g	9.6709 g	6.0697 g			
580-32803-D-19	JW-EA10-SS43-120 507	D 2216	T	0.7932 g	8.5122 g	5.4769 g			
580-32803-D-20	JW-EA10-SS42-120 507	D 2216	T	0.7741 g	9.4088 g	6.2551 g			
580-32803-E-21	JW-EA10-COMP-120 507	D 2216	T	0.7641 g	7.3166 g	4.8809 g			
580-32803-D-26	JW-EA07-COMP-120 507	D 2216	T	0.7762 g	8.3435 g	5.2631 g			
580-32803-C-30	JW-EA03-COMP-120 507	D 2216	T	0.7932 g	9.2061 g	4.4029 g			
580-32803-C-36	JW-EA02-COMP-120 507	D 2216	T	0.7994 g	9.2083 g	4.4257 g			
580-32803-D-41	JW-EA04-COMP-120 507	D 2216	T	0.7775 g	7.3798 g	5.0677 g			
580-32803-D-42	JW-EA01-SS03-120 507	D 2216	T	0.7719 g	7.8888 g	4.9676 g			
580-32803-D-43	JW-EA01-SS04-120 507	D 2216	T	0.7887 g	9.6484 g	5.1147 g			
580-32803-D-44	JW-EA01-SS01-120 507	D 2216	T	0.7812 g	9.6207 g	4.1799 g			
580-32803-D-45	JW-EA01-SS02-120 507	D 2216	T	0.7707 g	8.5369 g	4.4145 g			
580-32803-D-46	JW-EA01-COMP-120 507	D 2216	T	0.7612 g	8.8158 g	4.5701 g			
580-32803-D-53	JW-EA09-COMP-120 507	D 2216	T	0.7650 g	8.5573 g	5.2749 g			

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Batch Number: 111368 Batch Start Date: 05/15/12 11:20 Batch Analyst: Lai, John

Batch Method: D 2216 Batch End Date: 05/17/12 11:11

Batch Notes	
Balance ID	SEA223 No Unit
Date samples were placed in the oven	5/15/12
Oven Temp when samples are put in oven	113.5 Degrees C
Time samples were place in the oven	12:00
Date samples were removed from oven	5/17/12
Oven Temp when samples removed from oven	115.5 Degrees C
Time Samples were removed from oven	11:11
Oven ID	TAC306
ID number of the thermometer	3A4823
Uncorrected In Temperature	113 Celsius
Uncorrected Out Temperature	115 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 580-32803-1

SDG No.: _____

Batch Number: 39474 Batch Start Date: 05/29/12 14:52 Batch Analyst: Nelson, Andrea J

Batch Method: Lloyd Kahn Batch End Date: 05/29/12 20:27

Lab Sample ID	Client Sample ID	Method Chain	Basis	WCBCLCSs 00006	WCLKCCVs 00006				
ICV 200-39474/1		Lloyd Kahn			0.522 mg				
LCS 200-39474/4		Lloyd Kahn		9.486 mg					
CCV 200-39474/13		Lloyd Kahn			0.462 mg				
CCV 200-39474/25		Lloyd Kahn			0.46 mg				
CCV 200-39474/28		Lloyd Kahn			0.544 mg				

Batch Notes	
Muffle Furnace ID	30400
Oven Temp when samples are put in oven	103 Celsius
Muffle Furnace temp when samples put in	375 Celsius
Time samples were place in the oven	05/22/2012 @ 1630
Time samples put in muffle furnace	05/24/2012 @ 1410
Oven Temp when samples removed from oven	104 Celsius
Muffle Furnace temp when samples removed	375 Celsius
Time Samples were removed from oven	05/23/2012 @ 0845
Time samples removed from muffle furnace	05/26/2012 @ 1500
Oven ID	2
Lot # of Phosphoric Acid	WCPA119i_00026

Basis	Basis Description

Shipping and Receiving Documents

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

Rush
 Short Hold

Chain of
Custody Record

Chain of Custody Number
15130

06/19/2012

Client: **Jeld Wen** Client Contact: **PNORRY QEA** Date: **5/7/2012** Lab Number: **206-287-9130** Page **1** of **5**

Address: **720 Olive Way Suite 1900** Telephone Number (Area Code)/Fax Number: **206-287-9130/206-287-9131**

City: **Seattle** State: **WA** Zip Code: **98101** Sampler: **LC/INS** Lab Contact: **NATHAN SOCCORSO**

Project Name and Location (State): **Jeld Wen SWGAL Salmon WA** Billing Contact: **NATHAN SOCCORSO**

Contract/Purchase Order/Quote No.: **120909-01-01**

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH			ZnAc/NaOH	
1. JW-EAS8-SS29-1205 1 of 2	5/7/12	11:00			X	X									
JW-EAS8-SS29-1205 2 of 2	5/7/12	11:00			X	X									
2. JW-EAS8-SS30-1205 1 of 2	5/7/12	11:10			X	X									
JW-EAS8-SS30-1205 2 of 2	5/7/12	11:10			X	X									
3. JW-EAS8-SS31-1205 1 of 2	5/7/12	11:15			X	X									
JW-EAS8-SS31-1205 2 of 2	5/7/12	11:15			X	X									
4. JW-EAS8-SS32-1205 1 of 2	5/7/12	12:25			X	X									
JW-EAS8-SS32-1205 2 of 2	5/7/12	12:25			X	X									
5. JW-EAD8-SS29-1205 (1)	5/7/12	11:00			X	X									
JW-EAD8-SS29-1205 (2)	5/7/12	11:10			X	X									
6. JW-EAS8-SS31-1205 (1)	5/7/12	11:15			X	X									
JW-EAS8-SS31-1205 (2)	5/7/12	11:15			X	X									

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

QC Requirements (Specify): _____

Sample Disposal: Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Received By: **PNORRY QEA** Date: **5/8/12** Time: **12:16**

1. Relinquished By: **Sign/Print** Date: **5/8/12** Time: **12:16**

2. Relinquished By: **Sign/Print** Date: **5/8/12** Time: **12:16**

3. Relinquished By: **Sign/Print** Date: _____ Time: _____

Comments: _____

TRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

TAL-8274-580 (0210)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

Rush
 Short Hold

Chain of
Custody Record

Chain of Custody Number
15128

06/19/2012

Page 3 of 5

Client Jeld Wen		Client Contact Anchor QEA		Date 5/7/2012	Lab Number	Chain of Custody Number 15128																
Address 720 Olive Way Suite 1900		Telephone Number (Area Code)/Fax Number 206.287.9130/206.287.9131		Analysis (Attach list if more space is needed)																		
City Seattle	State WA	Zip Code 98101	Sampler LC/NS	Lab Contact																		
Project Name and Location (State) Jeld Wen Surface Sediment WA		Billing Contact Nathan Succow		Special Instructions/ Conditions of Receipt																		
Contract/Purchase Order/Quote No. 120909-01D1		Matrix		Containers & Preservatives																		
Sample I.D. and Location/Description (Containers for each sample may be combined on one line)		Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Sample Disposal	Return To Client	Archive For	Months	Disposal By Lab	Return To Client	Archive For	Months	
21. JW-EAD10-10MP-1205 (2)		5/7/12	10:14											X								
22. JW-EAD7-SS28-1205 (1)		5/7/12	12:00											X								
23. JW-EAD7-SS25-1205 (1)		5/7/12	11:44											X								
24. JW-EAD7-SS27-1205 (1)		5/7/12	12:14											X								
25. JW-EAD7-SS26-1205 (1)		5/7/12	11:50											X								
26. JW-EAD7-68MP-1205 (1)		5/7/12	16:33											X								
27. JW-EAD8-SS12-1205 (1)		5/7/12	13:00											X								
28. JW-EAD3-SS1D-1205 (1)		5/7/12	13:30											X								
29. JW-EAD3-SS11-1205 (1)		5/7/12	14:00											X								
30. JW-EAD3-10MP-1205 (1)		5/7/12	16:53											X								
31. JW-EAD3-SS09-1205 (1)		5/7/12	13:45											X								
38. JW-EAD2-SS05-1205 (1)		5/7/12	15:05											X								

Turn Around Time Required (business days)
 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

QC Requirements (Specify)

(A fee may be assessed if samples are retained longer than 1 month)

1. Relinquished By Sign/Print Cindy Fields	Date 5/8/12	Time 12:10pm	1. Received By Sign/Print Francisco Lopez Jr.	Date 5/6/12	Time 12:16
2. Relinquished By Sign/Print	Date	Time	2. Received By Sign/Print	Date	Time
3. Relinquished By Sign/Print	Date	Time	3. Received By Sign/Print	Date	Time

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

Rush
 Short Hold

Chain of
Custody Record

Client: Jeld Wen Client Contact: Andrew OEA Date: 5/7/2012 Chain of Custody Number: 15129

Address: 720 Olive Way Suite 1900 Telephone Number (Area Code/Fax Number): 206-287-9130 / 206-287-9131 Lab Number: Page 4 of 5

City: Seattle State: WA Zip Code: 98101 Sampler: KLINS Lab Contact: Analysis (Attach list if more space is needed)

Project Name and Location (State): Jeld Wen Surface Sediment WA Billing Contact: Norman Socorsky Matrix: Containers & Preservatives: Special Instructions/ Conditions of Receipt:

Contract/Purchase Order/Quote No.: 12MD9-0101

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Archive	Lab Number	Date	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl				NaOH
33 JW-EA02-SS06-1205 (1)	5/7/12	14:56	X											
34 JW-EA02-SS07-1205 (1)	5/7/12	15:11	X											
35 JW-EA02-SS08-1205 (1)	5/7/12	14:47	X											
36 JW-EA02-CAMP-1205 (1)	5/7/12	17:10	X											
37 JW-EA04-SS13-1205 (1)	5/7/12	12:55	X											
38 JW-EA04-SS16-1205 (1)	5/7/12	12:40	X											
39 JW-EA04-SS14-1205 (1)	5/7/12	12:50	X											
40 JW-EA04-SS15-1205 (1)	5/7/12	12:30	X											
41 JW-EA04-CAMP-1205 (1)	5/7/12	17:25	X											
42 JW-EA02-SS03-1205 (2)	5/7/12	15:10	X											
43 JW-EA01-SS04-1205 (2)	5/7/12	15:00	X											
44 JW-EA01-SS01-1205 (2)	5/7/12	15:22	X											

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify): _____

Sample Disposal: Disposal By Lab Disposal For _____

1. Relinquished By Sign/Print: Andrew OEA Date: 5/8/12 Time: 12:16pm

2. Relinquished By Sign/Print: Date: Time:

3. Relinquished By Sign/Print: Date: Time:

Comments:

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 5 of 5

Lab Contact:		Project: Jeld Wen		Analyses Requested							Notes/ Comments:				
Lab: Test America	Address: 5755 8 th Street E.	City, etc: Tacoma WA 98424	Phone: 253-922-2310	Fax: 253-922-5047	Proj. No.: 120909-01-01	Sampler: KL/NS	Shipping Method:	AirBill #:							
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Ts/TDL/BC/Archive PAH	Ts/TDC/BC/GS/PAH	Archive	PAH							
45 JW-EA01-SS02	1205 5/7/12	15:15	Sed	2	X										
46 JW-EA01-COMP	1205 5/7/12	17:39	Sed	2		X									
47 JW-EA09-SS37	1205 5/7/12	13:46	Sed	1			X								
48 JW-EA09-SS34	1205 5/7/12	14:11	Sed	2			X								
49 JW-EA09-SS38	1205 5/7/12	13:50	Sed	1			X								
50 JW-EA09-SS36	1205 5/7/12	14:01	Sed	1			X								
51 JW-EA09-SS33	1205 5/7/12	13:24	Sed	1			X								
52 JW-EA09-SS35	1205 5/7/12	13:36	Sed	1			X								
53 JW-EA09-COMP	1205 5/7/12	18:03	Sed	2		X									
54 JW-RB-1205	5/7/12	17:58		1			X								
55 JW-FB-1205	5/7/12	19:00		1			X								

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
<i>C. Field</i>			# of Coolers:	Cooler Temp(s):
Printed Name: Cindy Field S	Printed Name:	Printed Name:		
Company: AQEA	Company:	Company:		
Date/Time: 5/8/2012 12:16pm	Date/Time:	Date/Time:		
Received By: <i>[Signature]</i>	Received By:	Received By:		
Printed Name: FRANCISCO LUAGA	Printed Name:	Printed Name:		
Company: TA-SEA	Company:	Company:		
Date/Time: 5/8/12 12/6	Date/Time:	Date/Time:	COC Seals Intact?	Bottles Intact?

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 580-32803-1

Login Number: 32803

List Source: TestAmerica Seattle

List Number: 1

Creator: Blankinship, Tom

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	two coolers out of temp
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	ID of sample -20
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 580-32803-1

Login Number: 32803

List Source: TestAmerica Burlington

List Number: 1

List Creation: 05/16/12 03:03 PM

Creator: Gagne, Eric

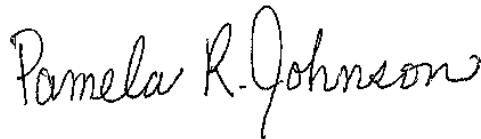
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.2°C IR GUN ID 154. CF -0.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 580-32803-2

Job Description: Jeld-Wen Surface Sediment

For:
Anchor QEA LLC
720 Olive Way
Suite 1900
Seattle, WA 98101
Attention: Cindy Fields



Approved for release.
Pam R Johnson
Project Manager I
11/13/2012 3:10 PM

Pam R Johnson
Project Manager I
pamr.johnson@testamericainc.com
11/13/2012

cc: Lab Data
Niki Masters

TestAmerica Tacoma is a part of TestAmerica Laboratories, Inc.

This report is issued solely for the use of the person or company to whom it is addressed. Any use, copying or disclosure other than by the intended recipient is unauthorized. If you have received this report in error, please notify the sender immediately at 253-922-2310 and destroy this report immediately.

This report shall not be reproduced except in full, without prior express written approval by the laboratory. The results relate only to the item(s) tested and the sample(s) as received by the laboratory.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

TestAmerica Laboratories, Inc.

TestAmerica Seattle 5755 8th Street East, Tacoma, WA 98424
Tel (253) 922-2310 Fax (253) 922-5047 www.testamericainc.com



Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Sample Summary	5
Method Summary	6
Sample Datasheets	7
QC Data Summary	31
QC Association Summary	35
Lab Chronicle	36
Reagent Traceability	41
Certification Summary	42
Inorganic Sample Data	43
General Chemistry Data	43
Gen Chem Cover Page	44
Gen Chem Sample Data	45
Gen Chem QC Data	69
Gen Chem ICV/CCV	69
Gen Chem Blanks	71
Gen Chem MS/MSD/PDS	72
Gen Chem Duplicates	74
Gen Chem LCS/LCSD	75
Gen Chem MDL	77
Gen Chem Analysis Run Log	79
Gen Chem Raw Data	81
Gen Chem Prep Data	119
Shipping and Receiving Documents	121

Table of Contents

Client Chain of Custody	122
Sample Receipt Checklist	127

CASE NARRATIVE

Client: Anchor QEA LLC
Project: Jeld-Wen Surface Sediment
Report Number: 580-32803-2

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 05/08/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

PUGET SOUND ESTUARY PROGRAM TOTAL ORGANIC CARBON

Samples JW-EA08-SS29-120507 (580-32803-5), JW-EA08-SS30-120507 (580-32803-6), JW-EA08-SS31-120507 (580-32803-8), JW-EA08-SS32-120507 (580-32803-9), JW-EA06-SS22-120507 (580-32803-11), JW-EA06-SS21-120507 (580-32803-12), JW-EA06-SS23-120507 (580-32803-13), JW-EA06-SS24-120507 (580-32803-14), JW-EA07-SS28-120507 (580-32803-22), JW-EA07-SS25-120507 (580-32803-23), JW-EA07-SS27-120507 (580-32803-24), JW-EA07-SS26-120507 (580-32803-25), JW-EA02-SS05-120507 (580-32803-32), JW-EA02-SS06-120507 (580-32803-33), JW-EA04-SS13-120507 (580-32803-37), JW-EA04-SS16-120507 (580-32803-38), JW-EA04-SS14-120507 (580-32803-39), JW-EA04-SS15-120507 (580-32803-40), JW-EA09-SS37-120507 (580-32803-47), JW-EA09-SS34-120507 (580-32803-48), JW-EA09-SS38-120507 (580-32803-49), JW-EA09-SS36-120507 (580-32803-50), JW-EA09-SS33-120507 (580-32803-51) and JW-EA09-SS35-120507 (580-32803-52) were analyzed for Puget Sound Estuary Program total organic carbon in accordance with EPA SW-846 Method 9060, modified to meet the Puget Sound Estuary Program requirements. The samples were analyzed on 11/07/2012.

Analysis of the following samples JW-EA09-SS38-120507 (580-32803-49), JW-EA09-SS36-120507 (580-32803-50), JW-EA09-SS33-120507 (580-32803-51) and JW-EA09-SS35-120507 (580-32803-52) was not performed outside of the analytical holding time. The samples were placed in a freezer after the original analysis was performed. The samples were not removed from the unit until 11/5/2012. The samples were reanalyzed on 11/7/2012 and thus meet the criteria established by the method that states that samples must be reanalyzed within six months after being removed from a freezer unit.

Analysis of the following samples JW-EA08-SS29-120507 (580-32803-5), JW-EA08-SS30-120507 (580-32803-6), JW-EA08-SS31-120507 (580-32803-8), JW-EA08-SS32-120507 (580-32803-9), JW-EA06-SS22-120507 (580-32803-11), JW-EA06-SS21-120507 (580-32803-12), JW-EA06-SS23-120507 (580-32803-13), JW-EA06-SS24-120507 (580-32803-14), JW-EA07-SS28-120507 (580-32803-22), JW-EA07-SS25-120507 (580-32803-23), JW-EA07-SS27-120507 (580-32803-24), JW-EA07-SS26-120507 (580-32803-25), JW-EA02-SS05-120507 (580-32803-32), JW-EA02-SS06-120507 (580-32803-33), JW-EA04-SS13-120507 (580-32803-37), JW-EA04-SS16-120507 (580-32803-38), JW-EA04-SS14-120507 (580-32803-39), JW-EA04-SS15-120507 (580-32803-40), JW-EA09-SS37-120507 (580-32803-47), JW-EA09-SS34-120507 (580-32803-48) was not performed outside of the analytical holding time. The samples were placed in a freezer after the original analysis was performed. The samples were not removed from the unit until 11/5/2012. The samples were reanalyzed on 11/7/2012 and thus meet the criteria established by the method that states that samples must be reanalyzed within six months after being removed from a freezer unit.

No difficulties were encountered during the PSEP TOC analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32803-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-32803-5	JW-EA08-SS29-120507	Solid	05/07/2012 1100	05/08/2012 1420
580-32803-6	JW-EA08-SS30-120507	Solid	05/07/2012 1110	05/08/2012 1420
580-32803-8	JW-EA08-SS31-120507	Solid	05/07/2012 1115	05/08/2012 1420
580-32803-9	JW-EA08-SS32-120507	Solid	05/07/2012 1225	05/08/2012 1420
580-32803-11	JW-EA06-SS22-120507	Solid	05/07/2012 1117	05/08/2012 1420
580-32803-12	JW-EA06-SS21-120507	Solid	05/07/2012 1112	05/08/2012 1420
580-32803-13	JW-EA06-SS23-120507	Solid	05/07/2012 1130	05/08/2012 1420
580-32803-14	JW-EA06-SS24-120507	Solid	05/07/2012 1140	05/08/2012 1420
580-32803-22	JW-EA07-SS28-120507	Solid	05/07/2012 1200	05/08/2012 1420
580-32803-23	JW-EA07-SS25-120507	Solid	05/07/2012 1144	05/08/2012 1420
580-32803-24	JW-EA07-SS27-120507	Solid	05/07/2012 1214	05/08/2012 1420
580-32803-25	JW-EA07-SS26-120507	Solid	05/07/2012 1150	05/08/2012 1420
580-32803-32	JW-EA02-SS05-120507	Solid	05/07/2012 1505	05/08/2012 1420
580-32803-33	JW-EA02-SS06-120507	Solid	05/07/2012 1456	05/08/2012 1420
580-32803-37	JW-EA04-SS13-120507	Solid	05/07/2012 1255	05/08/2012 1420
580-32803-38	JW-EA04-SS16-120507	Solid	05/07/2012 1240	05/08/2012 1420
580-32803-39	JW-EA04-SS14-120507	Solid	05/07/2012 1250	05/08/2012 1420
580-32803-40	JW-EA04-SS15-120507	Solid	05/07/2012 1230	05/08/2012 1420
580-32803-47	JW-EA09-SS37-120507	Solid	05/07/2012 1346	05/08/2012 1420
580-32803-48	JW-EA09-SS34-120507	Solid	05/07/2012 1411	05/08/2012 1420
580-32803-49	JW-EA09-SS38-120507	Solid	05/07/2012 1350	05/08/2012 1420
580-32803-50	JW-EA09-SS36-120507	Solid	05/07/2012 1401	05/08/2012 1420
580-32803-51	JW-EA09-SS33-120507	Solid	05/07/2012 1324	05/08/2012 1420
580-32803-52	JW-EA09-SS35-120507	Solid	05/07/2012 1336	05/08/2012 1420

METHOD SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32803-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
TOC (Puget Sound)	TAL SEA	PSEP 9060_PSEP	

Lab References:

TAL SEA = TestAmerica Seattle

Method References:

PSEP = Puget Sound Estuary Program

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA08-SS29-120507

Lab Sample ID: 580-32803-5

Date Sampled: 05/07/2012 1100

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	34000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1339				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA08-SS30-120507

Lab Sample ID: 580-32803-6

Date Sampled: 05/07/2012 1110

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	35000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1353				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA08-SS31-120507

Lab Sample ID: 580-32803-8

Date Sampled: 05/07/2012 1115

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	22000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1357				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA08-SS32-120507

Lab Sample ID: 580-32803-9

Date Sampled: 05/07/2012 1225

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	26000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1402				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA06-SS22-120507

Lab Sample ID: 580-32803-11

Date Sampled: 05/07/2012 1117

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	13000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1406				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA06-SS21-120507

Lab Sample ID: 580-32803-12

Date Sampled: 05/07/2012 1112

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	29000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1410				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA06-SS23-120507

Lab Sample ID: 580-32803-13

Date Sampled: 05/07/2012 1130

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	26000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1415				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA06-SS24-120507

Lab Sample ID: 580-32803-14

Date Sampled: 05/07/2012 1140

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	11000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1419				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA07-SS28-120507

Lab Sample ID: 580-32803-22

Date Sampled: 05/07/2012 1200

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	35000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1424				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA07-SS25-120507

Lab Sample ID: 580-32803-23

Date Sampled: 05/07/2012 1144

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	21000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1428				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA07-SS27-120507

Lab Sample ID: 580-32803-24

Date Sampled: 05/07/2012 1214

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	32000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1437				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA07-SS26-120507

Lab Sample ID: 580-32803-25

Date Sampled: 05/07/2012 1150

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	27000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1442				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA02-SS05-120507

Lab Sample ID: 580-32803-32

Date Sampled: 05/07/2012 1505

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	26000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1446				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA02-SS06-120507

Lab Sample ID: 580-32803-33

Date Sampled: 05/07/2012 1456

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	26000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1450				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA04-SS13-120507

Lab Sample ID: 580-32803-37

Date Sampled: 05/07/2012 1255

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	19000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1455				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA04-SS16-120507

Lab Sample ID: 580-32803-38

Date Sampled: 05/07/2012 1240

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	18000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1459				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA04-SS14-120507

Lab Sample ID: 580-32803-39

Date Sampled: 05/07/2012 1250

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	19000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1504				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA04-SS15-120507

Lab Sample ID: 580-32803-40

Date Sampled: 05/07/2012 1230

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	13000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1508				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA09-SS37-120507

Lab Sample ID: 580-32803-47

Date Sampled: 05/07/2012 1346

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	8600		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1513				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA09-SS34-120507

Lab Sample ID: 580-32803-48

Date Sampled: 05/07/2012 1411

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	18000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1517				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA09-SS38-120507

Lab Sample ID: 580-32803-49

Date Sampled: 05/07/2012 1350

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	27000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124168		Analysis Date: 11/07/2012 1745				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA09-SS36-120507

Lab Sample ID: 580-32803-50

Date Sampled: 05/07/2012 1401

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	25000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124168		Analysis Date: 11/07/2012 1759				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA09-SS33-120507

Lab Sample ID: 580-32803-51

Date Sampled: 05/07/2012 1324

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	19000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124168		Analysis Date: 11/07/2012 1804				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA09-SS35-120507

Lab Sample ID: 580-32803-52

Date Sampled: 05/07/2012 1336

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	21000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124168		Analysis Date: 11/07/2012 1808				DryWt Corrected: N

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

Method Blank - Batch: 580-124143

Lab Sample ID: MB 580-124143/3
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 11/07/2012 1332
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 580-124143
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

**Method: 9060_PSEP
 Preparation: N/A**

Instrument ID: No Equipment
 Lab File ID: N/A
 Initial Weight/Volume: 1.0 mL
 Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		610	2000

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 580-124143**

**Method: 9060_PSEP
 Preparation: N/A**

LCS Lab Sample ID: LCS 580-124143/4
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 11/07/2012 1334
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 580-124143
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: No Equipment
 Lab File ID: N/A
 Initial Weight/Volume: 1.0 mL
 Final Weight/Volume: 1.0 mL

LCSD Lab Sample ID: LCSD 580-124143/5
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 11/07/2012 1336
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 580-124143
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: No Equipment
 Lab File ID: N/A
 Initial Weight/Volume: 1.0 mL
 Final Weight/Volume: 1.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Total Organic Carbon	97	108	34 - 166	10			

**Laboratory Control/
 Laboratory Duplicate Data Report - Batch: 580-124143**

**Method: 9060_PSEP
 Preparation: N/A**

LCS Lab Sample ID: LCS 580-124143/4
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 11/07/2012 1334
 Prep Date: N/A
 Leach Date: N/A

Units: mg/Kg

LCSD Lab Sample ID: LCSD 580-124143/5
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 11/07/2012 1336
 Prep Date: N/A
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon	2850	2850	2780	3070

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-124143**

**Method: 9060_PSEP
Preparation: N/A**

MS Lab Sample ID:	580-32803-5	Analysis Batch:	580-124143	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.0973 g
Analysis Date:	11/07/2012 1348			Final Weight/Volume:	0.0973 g
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	580-32803-5	Analysis Batch:	580-124143	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.1050 g
Analysis Date:	11/07/2012 1351			Final Weight/Volume:	0.1050 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Total Organic Carbon	103	106	76 - 128	5	28		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-124143**

**Method: 9060_PSEP
Preparation: N/A**

MS Lab Sample ID:	580-32803-5	Units:	mg/Kg	MSD Lab Sample ID:	580-32803-5
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/07/2012 1348			Analysis Date:	11/07/2012 1351
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon	34000	117000	122000	154000	163000

Duplicate - Batch: 580-124143

**Method: 9060_PSEP
Preparation: N/A**

Lab Sample ID:	580-32803-5	Analysis Batch:	580-124143	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	11/07/2012 1343	Units:	mg/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	34000	33400	0.4	50	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

Method Blank - Batch: 580-124168

**Method: 9060_PSEP
Preparation: N/A**

Lab Sample ID:	MB 580-124168/3	Analysis Batch:	580-124168	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	11/07/2012 1739	Units:	mg/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		610	2000

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-124168**

**Method: 9060_PSEP
Preparation: N/A**

LCS Lab Sample ID:	LCS 580-124168/4	Analysis Batch:	580-124168	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	11/07/2012 1741	Units:	mg/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 580-124168/5	Analysis Batch:	580-124168	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	11/07/2012 1743	Units:	mg/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Total Organic Carbon	109	113	34 - 166	4			

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-124168**

**Method: 9060_PSEP
Preparation: N/A**

LCS Lab Sample ID:	LCS 580-124168/4	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 580-124168/5
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/07/2012 1741			Analysis Date:	11/07/2012 1743
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon	2850	2850	3100	3220

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-124168**

**Method: 9060_PSEP
Preparation: N/A**

MS Lab Sample ID:	580-32803-49	Analysis Batch:	580-124168	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.0953 g
Analysis Date:	11/07/2012 1754			Final Weight/Volume:	0.0953 g
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	580-32803-49	Analysis Batch:	580-124168	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.0910 g
Analysis Date:	11/07/2012 1757			Final Weight/Volume:	0.0910 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Total Organic Carbon	105	104	76 - 128	4	28		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-124168**

**Method: 9060_PSEP
Preparation: N/A**

MS Lab Sample ID:	580-32803-49	Units:	mg/Kg	MSD Lab Sample ID:	580-32803-49
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/07/2012 1754			Analysis Date:	11/07/2012 1757
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon	27000	122000	117000	156000	149000

Duplicate - Batch: 580-124168

**Method: 9060_PSEP
Preparation: N/A**

Lab Sample ID:	580-32803-49	Analysis Batch:	580-124168	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	11/07/2012 1749	Units:	mg/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	27000	26800	2	50	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
General Chemistry					
Analysis Batch:580-124143					
LCS 580-124143/4	Lab Control Sample	T	Solid	9060_PSEP	
LCSD 580-124143/5	Lab Control Sample Duplicate	T	Solid	9060_PSEP	
MB 580-124143/3	Method Blank	T	Solid	9060_PSEP	
580-32803-5	JW-EA08-SS29-120507	T	Solid	9060_PSEP	
580-32803-5DU	Duplicate	T	Solid	9060_PSEP	
580-32803-5MS	Matrix Spike	T	Solid	9060_PSEP	
580-32803-5MSD	Matrix Spike Duplicate	T	Solid	9060_PSEP	
580-32803-6	JW-EA08-SS30-120507	T	Solid	9060_PSEP	
580-32803-8	JW-EA08-SS31-120507	T	Solid	9060_PSEP	
580-32803-9	JW-EA08-SS32-120507	T	Solid	9060_PSEP	
580-32803-11	JW-EA06-SS22-120507	T	Solid	9060_PSEP	
580-32803-12	JW-EA06-SS21-120507	T	Solid	9060_PSEP	
580-32803-13	JW-EA06-SS23-120507	T	Solid	9060_PSEP	
580-32803-14	JW-EA06-SS24-120507	T	Solid	9060_PSEP	
580-32803-22	JW-EA07-SS28-120507	T	Solid	9060_PSEP	
580-32803-23	JW-EA07-SS25-120507	T	Solid	9060_PSEP	
580-32803-24	JW-EA07-SS27-120507	T	Solid	9060_PSEP	
580-32803-25	JW-EA07-SS26-120507	T	Solid	9060_PSEP	
580-32803-32	JW-EA02-SS05-120507	T	Solid	9060_PSEP	
580-32803-33	JW-EA02-SS06-120507	T	Solid	9060_PSEP	
580-32803-37	JW-EA04-SS13-120507	T	Solid	9060_PSEP	
580-32803-38	JW-EA04-SS16-120507	T	Solid	9060_PSEP	
580-32803-39	JW-EA04-SS14-120507	T	Solid	9060_PSEP	
580-32803-40	JW-EA04-SS15-120507	T	Solid	9060_PSEP	
580-32803-47	JW-EA09-SS37-120507	T	Solid	9060_PSEP	
580-32803-48	JW-EA09-SS34-120507	T	Solid	9060_PSEP	
Analysis Batch:580-124168					
LCS 580-124168/4	Lab Control Sample	T	Solid	9060_PSEP	
LCSD 580-124168/5	Lab Control Sample Duplicate	T	Solid	9060_PSEP	
MB 580-124168/3	Method Blank	T	Solid	9060_PSEP	
580-32803-49	JW-EA09-SS38-120507	T	Solid	9060_PSEP	
580-32803-49DU	Duplicate	T	Solid	9060_PSEP	
580-32803-49MS	Matrix Spike	T	Solid	9060_PSEP	
580-32803-49MSD	Matrix Spike Duplicate	T	Solid	9060_PSEP	
580-32803-50	JW-EA09-SS36-120507	T	Solid	9060_PSEP	
580-32803-51	JW-EA09-SS33-120507	T	Solid	9060_PSEP	
580-32803-52	JW-EA09-SS35-120507	T	Solid	9060_PSEP	

Report Basis

T = Total

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

Laboratory Chronicle

Lab ID: 580-32803-5

Client ID: JW-EA08-SS29-120507

Sample Date/Time: 05/07/2012 11:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-5		580-124143		11/07/2012 13:39	1	TAL SEA	RB

Lab ID: 580-32803-5 MS

Client ID: JW-EA08-SS29-120507

Sample Date/Time: 05/07/2012 11:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-5 MS		580-124143		11/07/2012 13:48	1	TAL SEA	RB

Lab ID: 580-32803-5 MSD

Client ID: JW-EA08-SS29-120507

Sample Date/Time: 05/07/2012 11:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-5 MSD		580-124143		11/07/2012 13:51	1	TAL SEA	RB

Lab ID: 580-32803-5 DU

Client ID: JW-EA08-SS29-120507

Sample Date/Time: 05/07/2012 11:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-5 DU		580-124143		11/07/2012 13:43	1	TAL SEA	RB

Lab ID: 580-32803-6

Client ID: JW-EA08-SS30-120507

Sample Date/Time: 05/07/2012 11:10

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-D-6		580-124143		11/07/2012 13:53	1	TAL SEA	RB

Lab ID: 580-32803-8

Client ID: JW-EA08-SS31-120507

Sample Date/Time: 05/07/2012 11:15

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-8		580-124143		11/07/2012 13:57	1	TAL SEA	RB

Lab ID: 580-32803-9

Client ID: JW-EA08-SS32-120507

Sample Date/Time: 05/07/2012 12:25

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-C-9		580-124143		11/07/2012 14:02	1	TAL SEA	RB

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

Laboratory Chronicle

Lab ID: 580-32803-11

Client ID: JW-EA06-SS22-120507

Sample Date/Time: 05/07/2012 11:17

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-11		580-124143		11/07/2012 14:06	1	TAL SEA	RB

Lab ID: 580-32803-12

Client ID: JW-EA06-SS21-120507

Sample Date/Time: 05/07/2012 11:12

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-12		580-124143		11/07/2012 14:10	1	TAL SEA	RB

Lab ID: 580-32803-13

Client ID: JW-EA06-SS23-120507

Sample Date/Time: 05/07/2012 11:30

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-13		580-124143		11/07/2012 14:15	1	TAL SEA	RB

Lab ID: 580-32803-14

Client ID: JW-EA06-SS24-120507

Sample Date/Time: 05/07/2012 11:40

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-14		580-124143		11/07/2012 14:19	1	TAL SEA	RB

Lab ID: 580-32803-22

Client ID: JW-EA07-SS28-120507

Sample Date/Time: 05/07/2012 12:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-22		580-124143		11/07/2012 14:24	1	TAL SEA	RB

Lab ID: 580-32803-23

Client ID: JW-EA07-SS25-120507

Sample Date/Time: 05/07/2012 11:44

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-23		580-124143		11/07/2012 14:28	1	TAL SEA	RB

Lab ID: 580-32803-24

Client ID: JW-EA07-SS27-120507

Sample Date/Time: 05/07/2012 12:14

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-24		580-124143		11/07/2012 14:37	1	TAL SEA	RB

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

Laboratory Chronicle

Lab ID: 580-32803-25

Client ID: JW-EA07-SS26-120507

Sample Date/Time: 05/07/2012 11:50

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-25		580-124143		11/07/2012 14:42	1	TAL SEA	RB

Lab ID: 580-32803-32

Client ID: JW-EA02-SS05-120507

Sample Date/Time: 05/07/2012 15:05

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-32		580-124143		11/07/2012 14:46	1	TAL SEA	RB

Lab ID: 580-32803-33

Client ID: JW-EA02-SS06-120507

Sample Date/Time: 05/07/2012 14:56

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-33		580-124143		11/07/2012 14:50	1	TAL SEA	RB

Lab ID: 580-32803-37

Client ID: JW-EA04-SS13-120507

Sample Date/Time: 05/07/2012 12:55

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-37		580-124143		11/07/2012 14:55	1	TAL SEA	RB

Lab ID: 580-32803-38

Client ID: JW-EA04-SS16-120507

Sample Date/Time: 05/07/2012 12:40

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-38		580-124143		11/07/2012 14:59	1	TAL SEA	RB

Lab ID: 580-32803-39

Client ID: JW-EA04-SS14-120507

Sample Date/Time: 05/07/2012 12:50

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-39		580-124143		11/07/2012 15:04	1	TAL SEA	RB

Lab ID: 580-32803-40

Client ID: JW-EA04-SS15-120507

Sample Date/Time: 05/07/2012 12:30

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-40		580-124143		11/07/2012 15:08	1	TAL SEA	RB

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

Laboratory Chronicle

Lab ID: 580-32803-47

Client ID: JW-EA09-SS37-120507

Sample Date/Time: 05/07/2012 13:46

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-47		580-124143		11/07/2012 15:13	1	TAL SEA	RB

Lab ID: 580-32803-48

Client ID: JW-EA09-SS34-120507

Sample Date/Time: 05/07/2012 14:11

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-48		580-124143		11/07/2012 15:17	1	TAL SEA	RB

Lab ID: 580-32803-49

Client ID: JW-EA09-SS38-120507

Sample Date/Time: 05/07/2012 13:50

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-49		580-124168		11/07/2012 17:45	1	TAL SEA	RB

Lab ID: 580-32803-49 MS

Client ID: JW-EA09-SS38-120507

Sample Date/Time: 05/07/2012 13:50

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-49 MS		580-124168		11/07/2012 17:54	1	TAL SEA	RB

Lab ID: 580-32803-49 MSD

Client ID: JW-EA09-SS38-120507

Sample Date/Time: 05/07/2012 13:50

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-49 MSD		580-124168		11/07/2012 17:57	1	TAL SEA	RB

Lab ID: 580-32803-49 DU

Client ID: JW-EA09-SS38-120507

Sample Date/Time: 05/07/2012 13:50

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-49 DU		580-124168		11/07/2012 17:49	1	TAL SEA	RB

Lab ID: 580-32803-50

Client ID: JW-EA09-SS36-120507

Sample Date/Time: 05/07/2012 14:01

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-50		580-124168		11/07/2012 17:59	1	TAL SEA	RB

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

Laboratory Chronicle

Lab ID: 580-32803-51

Client ID: JW-EA09-SS33-120507

Sample Date/Time: 05/07/2012 13:24

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-51		580-124168		11/07/2012 18:04	1	TAL SEA	RB

Lab ID: 580-32803-52

Client ID: JW-EA09-SS35-120507

Sample Date/Time: 05/07/2012 13:36

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-52		580-124168		11/07/2012 18:08	1	TAL SEA	RB

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	MB 580-124143/3		580-124143		11/07/2012 13:32	1	TAL SEA	RB
A:9060_PSEP	MB 580-124168/3		580-124168		11/07/2012 17:39	1	TAL SEA	RB

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	LCS 580-124143/4		580-124143		11/07/2012 13:34	1	TAL SEA	RB
A:9060_PSEP	LCS 580-124168/4		580-124168		11/07/2012 17:41	1	TAL SEA	RB

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	LCSD 580-124143/5		580-124143		11/07/2012 13:36	1	TAL SEA	RB
A:9060_PSEP	LCSD 580-124168/5		580-124168		11/07/2012 17:43	1	TAL SEA	RB

Lab References:

TAL SEA = TestAmerica Seattle

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
CaCO3_00003	06/02/17		ACROS, Lot A0311356		(Purchased Reagent)		Total Organic Carbon	120000 g
TOCS_LCS_00003	02/29/16		ERA, Lot D078-542		(Purchased Reagent)		Total Organic Carbon	2850 mg/Kg

Certification Summary

Client: Anchor QEA LLC
Project/Site: Jeld-Wen Surface Sediment

TestAmerica Job ID: 580-32803-2

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska (UST)	State Program	10	UST-022
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Montana (UST)	State Program	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	Federal		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle

Job Number: 580-32803-2

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID	Lab Sample ID
JW-EA08-SS29-120507	580-32803-5
JW-EA08-SS30-120507	580-32803-6
JW-EA08-SS31-120507	580-32803-8
JW-EA08-SS32-120507	580-32803-9
JW-EA06-SS22-120507	580-32803-11
JW-EA06-SS21-120507	580-32803-12
JW-EA06-SS23-120507	580-32803-13
JW-EA06-SS24-120507	580-32803-14
JW-EA07-SS28-120507	580-32803-22
JW-EA07-SS25-120507	580-32803-23
JW-EA07-SS27-120507	580-32803-24
JW-EA07-SS26-120507	580-32803-25
JW-EA02-SS05-120507	580-32803-32
JW-EA02-SS06-120507	580-32803-33
JW-EA04-SS13-120507	580-32803-37
JW-EA04-SS16-120507	580-32803-38
JW-EA04-SS14-120507	580-32803-39
JW-EA04-SS15-120507	580-32803-40
JW-EA09-SS37-120507	580-32803-47
JW-EA09-SS34-120507	580-32803-48
JW-EA09-SS38-120507	580-32803-49
JW-EA09-SS36-120507	580-32803-50
JW-EA09-SS33-120507	580-32803-51
JW-EA09-SS35-120507	580-32803-52

Comments:

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA08-SS29-120507

Lab Sample ID: 580-32803-5

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 11:00

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	34000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA08-SS30-120507

Lab Sample ID: 580-32803-6

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 11:10

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	35000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA08-SS31-120507

Lab Sample ID: 580-32803-8

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 11:15

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	22000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA08-SS32-120507

Lab Sample ID: 580-32803-9

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:25

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	26000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA06-SS22-120507

Lab Sample ID: 580-32803-11

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 11:17

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	13000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA06-SS21-120507

Lab Sample ID: 580-32803-12

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 11:12

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	29000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA06-SS23-120507

Lab Sample ID: 580-32803-13

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 11:30

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	26000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA06-SS24-120507

Lab Sample ID: 580-32803-14

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 11:40

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	11000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA07-SS28-120507

Lab Sample ID: 580-32803-22

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:00

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	35000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA07-SS25-120507

Lab Sample ID: 580-32803-23

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 11:44

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	21000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA07-SS27-120507

Lab Sample ID: 580-32803-24

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:14

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	32000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA07-SS26-120507

Lab Sample ID: 580-32803-25

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 11:50

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	27000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA02-SS05-120507

Lab Sample ID: 580-32803-32

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:05

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	26000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA02-SS06-120507

Lab Sample ID: 580-32803-33

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 14:56

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	26000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA04-SS13-120507

Lab Sample ID: 580-32803-37

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:55

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	19000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA04-SS16-120507

Lab Sample ID: 580-32803-38

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:40

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	18000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA04-SS14-120507

Lab Sample ID: 580-32803-39

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:50

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	19000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA04-SS15-120507

Lab Sample ID: 580-32803-40

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:30

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	13000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA09-SS37-120507

Lab Sample ID: 580-32803-47

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 13:46

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	8600	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA09-SS34-120507

Lab Sample ID: 580-32803-48

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 14:11

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	18000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA09-SS38-120507

Lab Sample ID: 580-32803-49

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 13:50

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	27000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA09-SS36-120507

Lab Sample ID: 580-32803-50

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 14:01

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	25000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA09-SS33-120507

Lab Sample ID: 580-32803-51

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 13:24

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	19000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA09-SS35-120507

Lab Sample ID: 580-32803-52

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 13:36

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	21000	2000	610	mg/Kg			1	9060_PSE P

2-IN
 CALIBRATION QUALITY CONTROL
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2
 SDG No.: _____
 Analyst: RB Batch Start Date: 11/07/2012
 Reporting Units: mg/Kg Analytical Batch No.: 124143

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	13:28	Total Organic Carbon	120000	120000	100	80-120		CaCO3_00003
2	ICB	13:30	Total Organic Carbon	ND					
19	CCV	14:33	Total Organic Carbon	125000	120000	104	80-120		CaCO3_00003
20	CCB	14:35	Total Organic Carbon	ND					
31	CCV	15:29	Total Organic Carbon	121000	120000	101	80-120		CaCO3_00003
32	CCB	15:31	Total Organic Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2
SDG No.: _____
Analyst: RB Batch Start Date: 11/07/2012
Reporting Units: mg/Kg Analytical Batch No.: 124168

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	17:34	Total Organic Carbon	124000	120000	103	80-120		CaCO3_00003
2	ICB	17:36	Total Organic Carbon	ND					
13	CCV	18:13	Total Organic Carbon	126000	120000	105	80-120		CaCO3_00003
14	CCB	18:15	Total Organic Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 124143 Date: 11/07/2012 13:32							
9060_PSEP	MB 580-124143/3	Total Organic Carbon	ND		mg/Kg	2000	1
Batch ID: 124168 Date: 11/07/2012 17:39							
9060_PSEP	MB 580-124168/3	Total Organic Carbon	ND		mg/Kg	2000	1

5-IN
 MATRIX SPIKE SAMPLE RECOVERY
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 124143 Date: 11/07/2012 13:48											
9060_PS EP	580-32803-5	Total Organic Carbon	34000		mg/Kg						
9060_PS EP	580-32803-5	Total Organic Carbon	154000		mg/Kg	117000	103	76-128			
Batch ID: 124168 Date: 11/07/2012 17:54											
9060_PS EP	580-32803-49	Total Organic Carbon	27000		mg/Kg						
9060_PS EP	580-32803-49	Total Organic Carbon	156000		mg/Kg	122000	105	76-128			

Calculations are performed before rounding to avoid round-off errors in calculated results.

5-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 124143 Date: 11/07/2012 13:51											
9060_PS EP	580-32803-5 MSD	Total Organic Carbon	163000		mg/Kg	122000	106	76-128	5	28	
Batch ID: 124168 Date: 11/07/2012 17:57											
9060_PS EP	580-32803-49 MSD	Total Organic Carbon	149000		mg/Kg	117000	104	76-128	4	28	

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 124143 Date: 11/07/2012 13:43								
9060_PSEP	JW-EA08-SS29-12050 7	580-32803-5	Total Organic Carbon	34000	mg/Kg			
9060_PSEP	JW-EA08-SS29-12050 7	580-32803-5 DU	Total Organic Carbon	33400	mg/Kg	0.4	50	
Batch ID: 124168 Date: 11/07/2012 17:49								
9060_PSEP	JW-EA09-SS38-12050 7	580-32803-49	Total Organic Carbon	27000	mg/Kg			
9060_PSEP	JW-EA09-SS38-12050 7	580-32803-49 DU	Total Organic Carbon	26800	mg/Kg	2	50	

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
 LAB CONTROL SAMPLE
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 124143		Date: 11/07/2012 13:34									
						LCS Source: TOCS_LCS_00003					
9060_PS EP	LCS 580-124143/4	Total Organic Carbon	2780		mg/Kg	2850	97	34-166	10		
Batch ID: 124168		Date: 11/07/2012 17:41									
						LCS Source: TOCS_LCS_00003					
9060_PS EP	LCS 580-124168/4	Total Organic Carbon	3100		mg/Kg	2850	109	34-166	4		

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
 LAB CONTROL SAMPLE DUPLICATE
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 124143		Date: 11/07/2012 13:36									
						LCSD Source: TOCS_LCS_00003					
9060_PS EP	LCSD 580-124143/5	Total Organic Carbon	3070		mg/Kg	2850	108	34-166	10		
Batch ID: 124168		Date: 11/07/2012 17:43									
						LCSD Source: TOCS_LCS_00003					
9060_PS EP	LCSD 580-124168/5	Total Organic Carbon	3220		mg/Kg	2850	113	34-166	4		

Calculations are performed before rounding to avoid round-off errors in calculated results.

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32803-2
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP MDL Date: 04/24/2008 14:41

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Total Organic Carbon		2000	608

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32803-2
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP XMDL Date: 11/01/2009 12:22

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Total Organic Carbon		2000	608

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Instrument ID: NOEQUIP Method: 9060_PSEP

Start Date: 11/07/2012 13:28 End Date: 11/07/2012 15:31

Lab Sample ID	D / F	T y p e	Time	Analytes															
				T O C															
ICV 580-124143/1	1		13:28	X															
ICB 580-124143/2	1		13:30	X															
MB 580-124143/3	1	T	13:32	X															
LCS 580-124143/4	1	T	13:34	X															
LCSD 580-124143/5	1	T	13:36	X															
580-32803-5	1	T	13:39	X															
580-32803-5 DU	1	T	13:43	X															
580-32803-5 MS	1	T	13:48	X															
580-32803-5 MSD	1	T	13:51	X															
580-32803-6	1	T	13:53	X															
580-32803-8	1	T	13:57	X															
580-32803-9	1	T	14:02	X															
580-32803-11	1	T	14:06	X															
580-32803-12	1	T	14:10	X															
580-32803-13	1	T	14:15	X															
580-32803-14	1	T	14:19	X															
580-32803-22	1	T	14:24	X															
580-32803-23	1	T	14:28	X															
CCV 580-124143/19	1		14:33	X															
CCB 580-124143/20	1		14:35	X															
580-32803-24	1	T	14:37	X															
580-32803-25	1	T	14:42	X															
580-32803-32	1	T	14:46	X															
580-32803-33	1	T	14:50	X															
580-32803-37	1	T	14:55	X															
580-32803-38	1	T	14:59	X															
580-32803-39	1	T	15:04	X															
580-32803-40	1	T	15:08	X															
580-32803-47	1	T	15:13	X															
580-32803-48	1	T	15:17	X															
CCV 580-124143/31	1		15:29	X															
CCB 580-124143/32	1		15:31	X															

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Instrument ID: NOEQUIP Method: 9060_PSEP

Start Date: 11/07/2012 17:34 End Date: 11/07/2012 18:15

Lab Sample ID	D / F	T y p e	Time	Analytes															
				T O C															
ICV 580-124168/1	1		17:34	X															
ICB 580-124168/2	1		17:36	X															
MB 580-124168/3	1	T	17:39	X															
LCS 580-124168/4	1	T	17:41	X															
LCSD 580-124168/5	1	T	17:43	X															
580-32803-49	1	T	17:45	X															
580-32803-49 DU	1	T	17:49	X															
580-32803-49 MS	1	T	17:54	X															
580-32803-49 MSD	1	T	17:57	X															
580-32803-50	1	T	17:59	X															
580-32803-51	1	T	18:04	X															
580-32803-52	1	T	18:08	X															
CCV 580-124168/13	1		18:13	X															
CCB 580-124168/14	1		18:15	X															

Prep Types

T = Total/NA

SC632

TA SOIL LINNEAR Calibration - Read Only

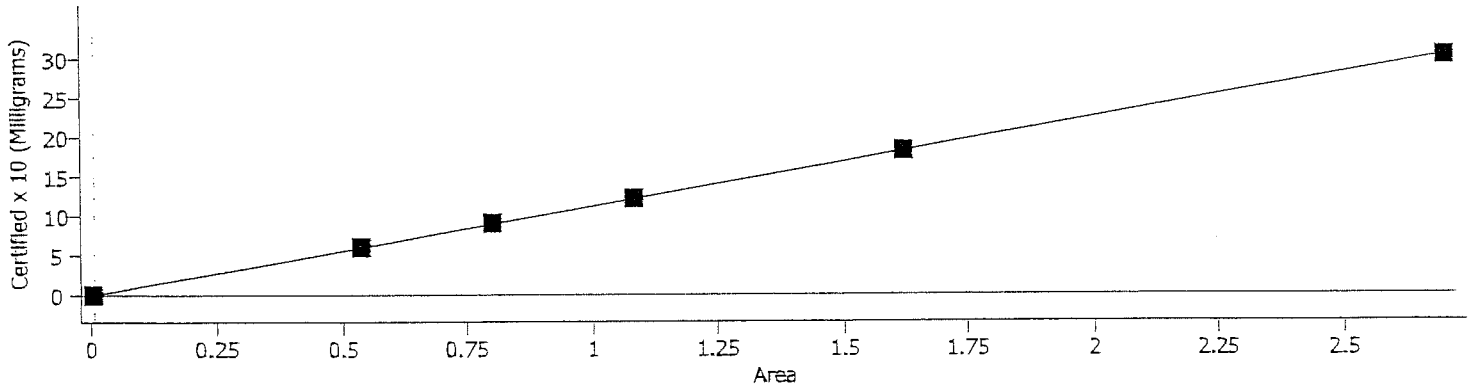
CO2 Low (range: 0.000000 to 30.156000 mg)

Previous Calibration:

$y = +1.12453x - 0.00721171$
Date: 6/2/2012 10:08:33 AM

New Calibration:

$y = +1.12453x - 0.00721171$
Curve Type: Linear
Weighting: 1 / Certified
RMS Error: 0.00010686



Row	Standard	Drift	Mass	Certified	Calculated	Error %	Prev Err %	Peak	Peak Area	Weighting	Date	Range	Saturated
1	Blank	0	1.0000	0.00000000000054	0.00000000000054	100.00	100.00	22.599	0.00641312	5.000E+01	06/02/12 09:45 AM	Low	No
2	501-034 12%	0	0.050200	12.000	11.924	-0.63726	-0.63726	1187.7	0.53869	1.6600	06/02/12 09:47 AM	Low	No
3	501-034 12%	0	0.075400	12.000	11.879	-1.0111	-1.0111	1333.5	0.80288	1.1052	06/02/12 09:50 AM	Low	No
4	501-034 12%	1	0.10150	12.000	11.960	-0.33691	-0.33691	1434.7	1.0859	0.82102	06/02/12 09:52 AM	Low	No
5	501-034 12%	0	0.15140	12.000	12.020	0.16267	0.16267	2180.0	1.6246	0.55042	06/02/12 09:55 AM	Low	No
6	501-034 12%	0	0.25130	12.000	12.055	0.46211	0.46211	3094.6	2.7005	0.33161	06/02/12 09:58 AM	Low	No

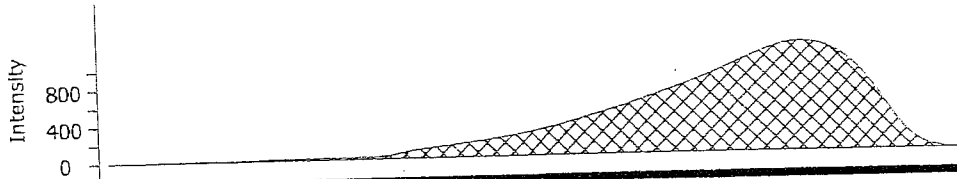
SC632

6/2/2012 9:47:52 AM

501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0502	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:47:52 AM		C04	

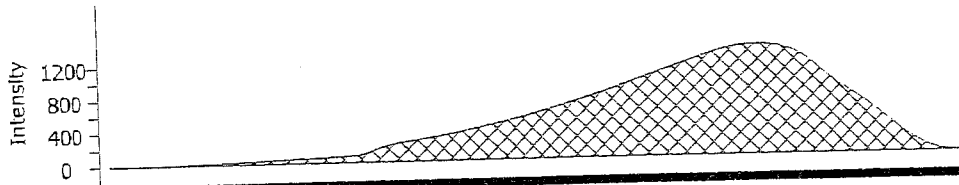
Carbon %
11.92



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0754	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:50:18 AM		C05	

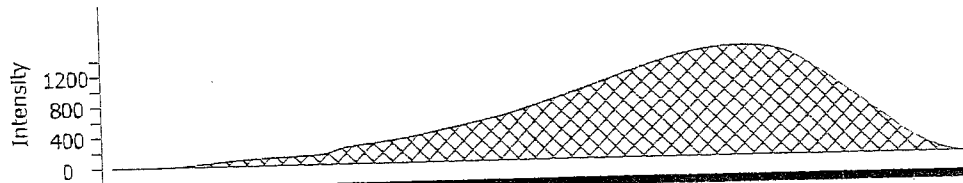
Carbon %
11.88



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1015	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:52:58 AM		C06	

Carbon %
11.96

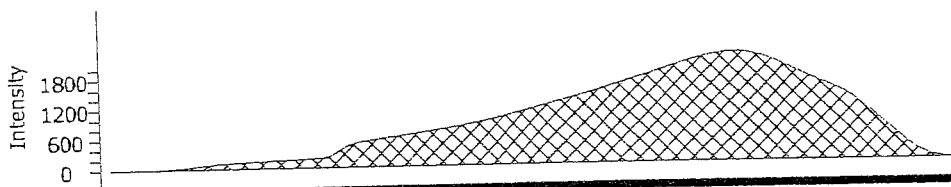


SC632

501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1514	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:55:34 AM		C07	

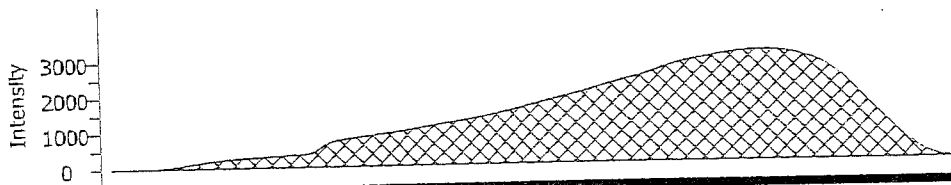
Carbon %
12.02



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.2513	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:58:17 AM		C08	

Carbon %
12.06



Element	Average	Std. Deviation	RSD	Count
Mass	0.1260	0.08	63.08	5
Carbon %	11.97	0.071	0.596	5

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICV		0.2057	TA SOIL LINNEAR	11/7/2012 1:28:04 PM	12.01	A01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICB		0.1920	TA SOIL LINNEAR	11/7/2012 1:30:15 PM	-0.03093	A02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
MB		0.1934	TA SOIL LINNEAR	11/7/2012 1:32:15 PM	-0.02248	A03

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
LCS		0.2032	TA SOIL LINNEAR	11/7/2012 1:34:33 PM	0.2778	A04

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
LCSD		0.2008	TA SOIL LINNEAR	11/7/2012 1:36:52 PM	0.3069	A05

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-5		0.2088	TA SOIL LINNEAR	11/7/2012 1:39:03 PM	3.478	A06
32803-B-5		0.1984	TA SOIL LINNEAR	11/7/2012 1:41:14 PM	3.234	A07
Average		0.2036			3.356	
Std. Deviation		0.007			0.1724	
RSD		3.612			5.138	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-5 DU		0.2037	TA SOIL LINNEAR	11/7/2012 1:43:25 PM	3.416	A08
32803-B-5 DU		0.2040	TA SOIL LINNEAR	11/7/2012 1:45:36 PM	3.272	A09
Average		0.2038			3.344	
Std. Deviation		0.0002			0.1020	
RSD		0.104			3.050	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-5 MS	0.0949	0.0973	TA SOIL LINNEAR	11/7/2012 1:48:16 PM	15.42	A10

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-5 MSD	0.1065	0.1050	TA SOIL LINNEAR	11/7/2012 1:51:05 PM	16.28	B01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-D-6		0.2033	TA SOIL LINNEAR	11/7/2012 1:53:16 PM	3.536	B02
32803-D-6		0.2084	TA SOIL LINNEAR	11/7/2012 1:55:27 PM	3.517	B03
Average		0.2059			3.527	
Std. Deviation		0.004			0.0133	
RSD		1.752			0.377	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-8		0.2049	TA SOIL LINNEAR	11/7/2012 1:57:38 PM	2.245	B04

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-8		0.2082	TA SOIL LINNEAR	11/7/2012 1:59:50 PM	2.161	B05
Average		0.2066			2.203	
Std. Deviation		0.002			0.0596	
RSD		1.130			2.705	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-C-9		0.1947	TA SOIL LINNEAR	11/7/2012 2:02:01 PM	2.630	B06
32803-C-9		0.2081	TA SOIL LINNEAR	11/7/2012 2:04:12 PM	2.516	B07
Average		0.2014			2.573	
Std. Deviation		0.009			0.0802	
RSD		4.705			3.118	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-11		0.2075	TA SOIL LINNEAR	11/7/2012 2:06:23 PM	1.256	B08
32803-B-11		0.2061	TA SOIL LINNEAR	11/7/2012 2:08:34 PM	1.274	B09
Average		0.2068			1.265	
Std. Deviation		0.0010			0.0126	
RSD		0.479			0.997	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-12		0.2040	TA SOIL LINNEAR	11/7/2012 2:10:47 PM	2.889	B10
32803-B-12		0.1971	TA SOIL LINNEAR	11/7/2012 2:12:59 PM	2.886	C01
Average		0.2006			2.887	
Std. Deviation		0.005			0.0021	
RSD		2.433			0.073	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-13		0.1942	TA SOIL LINNEAR	11/7/2012 2:15:10 PM	2.494	C02
32803-B-13		0.1948	TA SOIL LINNEAR	11/7/2012 2:17:21 PM	2.699	C03
Average		0.1945			2.596	
Std. Deviation		0.0004			0.1450	
RSD		0.218			5.586	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-14		0.2016	TA SOIL LINNEAR	11/7/2012 2:19:33 PM	1.261	C04
32803-B-14		0.2030	TA SOIL LINNEAR	11/7/2012 2:21:45 PM	0.9495	C05
Average		0.2023			1.105	
Std. Deviation		0.0010			0.2199	
RSD		0.489			19.90	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-22		0.2065	TA SOIL LINNEAR	11/7/2012 2:24:00 PM	3.434	C06

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-22		0.2070	TA SOIL LINNEAR	11/7/2012 2:26:11 PM	3.632	C07
Average		0.2068			3.533	
Std. Deviation		0.0004			0.1394	
RSD		0.171			3.945	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-23		0.2059	TA SOIL LINNEAR	11/7/2012 2:28:22 PM	2.041	C08
32803-B-23		0.2064	TA SOIL LINNEAR	11/7/2012 2:30:33 PM	2.074	C09
Average		0.2062			2.057	
Std. Deviation		0.0004			0.0237	
RSD		0.172			1.153	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-1		0.1066	TA SOIL LINNEAR	11/7/2012 2:33:22 PM	12.50	C10

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-1		0.1922	TA SOIL LINNEAR	11/7/2012 2:35:35 PM	-0.02735	D01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-24		0.2060	TA SOIL LINNEAR	11/7/2012 2:37:50 PM	3.263	D02
32803-B-24		0.2033	TA SOIL LINNEAR	11/7/2012 2:40:02 PM	3.052	D03
Average		0.2047			3.158	
Std. Deviation		0.002			0.1493	
RSD		0.933			4.727	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-25		0.2023	TA SOIL LINNEAR	11/7/2012 2:42:14 PM	2.685	D04
32803-B-25		0.2026	TA SOIL LINNEAR	11/7/2012 2:44:25 PM	2.771	D05
Average		0.2025			2.728	
Std. Deviation		0.0002			0.0603	
RSD		0.105			2.209	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-32		0.2006	TA SOIL LINNEAR	11/7/2012 2:46:36 PM	2.562	D06
32803-B-32		0.2053	TA SOIL LINNEAR	11/7/2012 2:48:47 PM	2.564	D07
Average		0.2030			2.563	
Std. Deviation		0.003			0.0014	
RSD		1.638			0.055	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-33		0.1937	TA SOIL LINNEAR	11/7/2012 2:50:59 PM	2.526	D08
32803-B-33		0.2049	TA SOIL LINNEAR	11/7/2012 2:53:13 PM	2.581	D09
Average		0.1993			2.554	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
Std. Deviation		0.008			0.0388	
RSD		3.974			1.521	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-37		0.2004	TA SOIL LINNEAR	11/7/2012 2:55:28 PM	1.643	D10
32803-B-37		0.2048	TA SOIL LINNEAR	11/7/2012 2:57:39 PM	2.150	E01
Average		0.2026			1.897	
Std. Deviation		0.003			0.3590	
RSD		1.536			18.93	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-38		0.2097	TA SOIL LINNEAR	11/7/2012 2:59:51 PM	1.736	E02
32803-B-38		0.2074	TA SOIL LINNEAR	11/7/2012 3:02:03 PM	1.874	E03
Average		0.2086			1.805	
Std. Deviation		0.002			0.0975	
RSD		0.780			5.400	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-39		0.1975	TA SOIL LINNEAR	11/7/2012 3:04:15 PM	2.160	E04
32803-B-39		0.2080	TA SOIL LINNEAR	11/7/2012 3:06:27 PM	1.726	E05
Average		0.2027			1.943	
Std. Deviation		0.007			0.3068	
RSD		3.662			15.80	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-40		0.1915	TA SOIL LINNEAR	11/7/2012 3:08:38 PM	1.275	E06
32803-B-40		0.2089	TA SOIL LINNEAR	11/7/2012 3:10:49 PM	1.267	E07
Average		0.2002			1.271	
Std. Deviation		0.01			0.0063	
RSD		6.146			0.495	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-47		0.1920	TA SOIL LINNEAR	11/7/2012 3:13:00 PM	0.8467	E08
32803-B-47		0.2088	TA SOIL LINNEAR	11/7/2012 3:15:11 PM	0.8773	E09
Average		0.2004			0.8620	
Std. Deviation		0.01			0.02164	
RSD		5.928			2.511	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-48		0.2072	TA SOIL LINNEAR	11/7/2012 3:17:22 PM	1.910	E10
32803-B-48		0.2095	TA SOIL LINNEAR	11/7/2012 5:26:21 PM	1.678	A01
Average		0.2083			1.794	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
Std. Deviation		0.002			0.1645	
RSD		0.781			9.166	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-2		0.1041	TA SOIL LINNEAR	11/7/2012 5:29:18 PM	12.12	A02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-2		0.2004	TA SOIL LINNEAR	11/7/2012 5:31:29 PM	-0.02890	A03

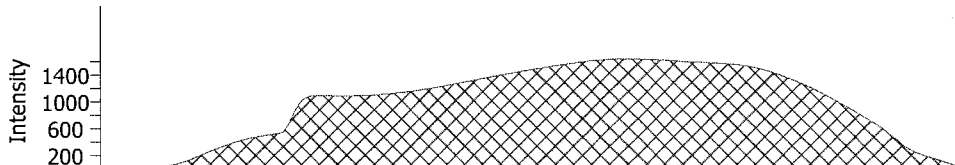
Element	Average	Std. Deviation	RSD	Count
Mass	0.1951	0.03	13.86	53
Carbon %	3.148	3.6180	114.9	53

SC632

ICV

Name	Description	Mass	Method
ICV		0.2057	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:28:04 PM		A01	

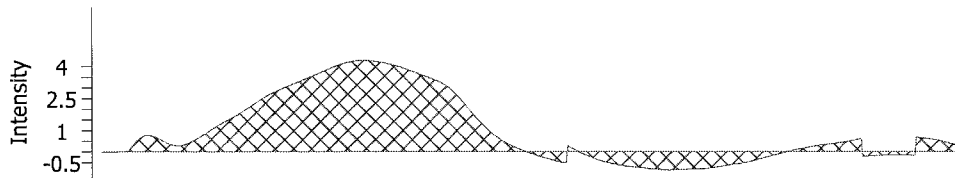
Carbon %
12.01



ICB

Name	Description	Mass	Method
ICB		0.1920	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:30:15 PM		A02	

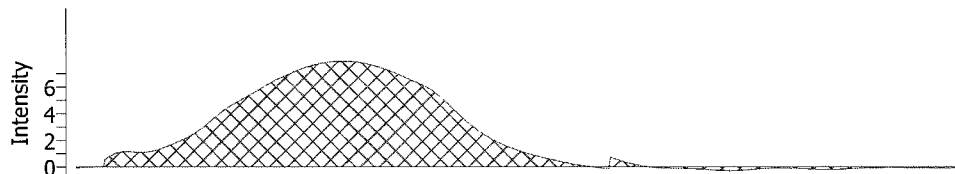
Carbon %
-0.03093



MB

Name	Description	Mass	Method
MB		0.1934	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:32:15 PM		A03	

Carbon %
-0.02248

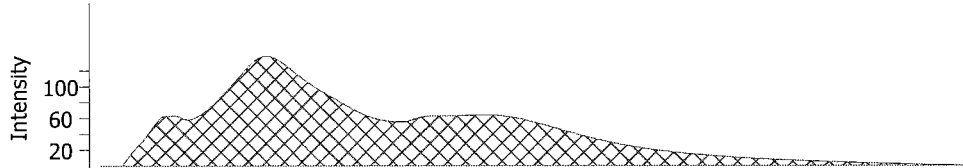


SC632

LCS

Name	Description	Mass	Method
LCS		0.2032	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:34:33 PM		A04	

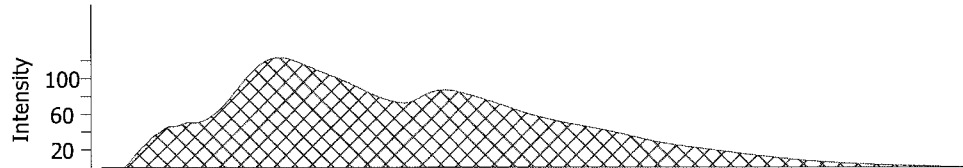
Carbon %
0.2778



LCSD

Name	Description	Mass	Method
LCSD		0.2008	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:36:52 PM		A05	

Carbon %
0.3069



32803-B-5

Name	Description	Mass	Method
32803-B-5		0.2088	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:39:03 PM		A06	

Carbon %
3.478



SC632

32803-B-5

Name	Description	Mass	Method
32803-B-5		0.1984	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:41:14 PM		A07	

Carbon %
3.234



32803-B-5 DU

Name	Description	Mass	Method
32803-B-5 DU		0.2037	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:43:25 PM		A08	

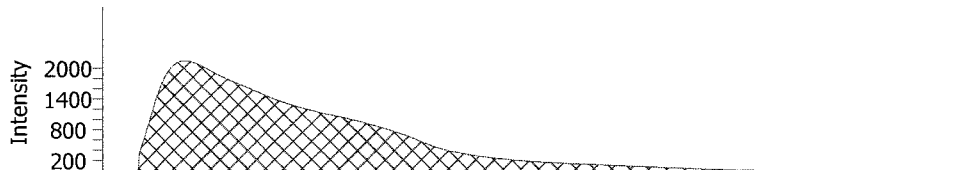
Carbon %
3.416



32803-B-5 DU

Name	Description	Mass	Method
32803-B-5 DU		0.2040	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:45:36 PM		A09	

Carbon %
3.272

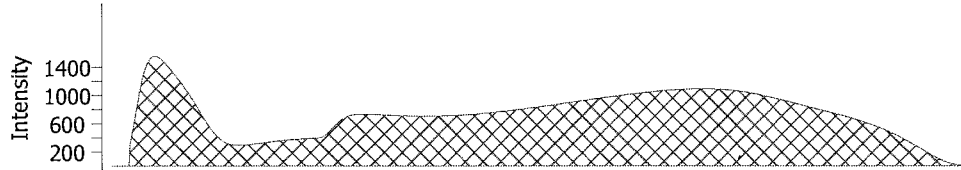


SC632

32803-B-5 MS

Name	Description	Mass	Method
32803-B-5 MS	0.0949	0.0973	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:48:16 PM		A10	

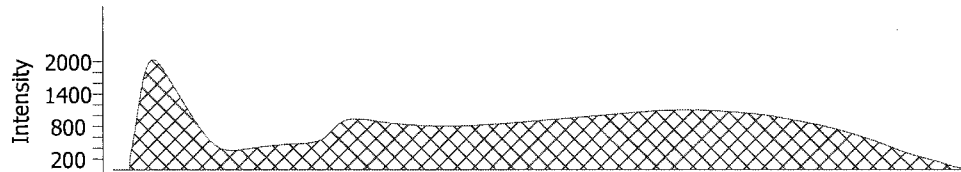
Carbon %
15.42



32803-B-5 MSD

Name	Description	Mass	Method
32803-B-5 MSD	0.1065	0.1050	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:51:05 PM		B01	

Carbon %
16.28



32803-D-6

Name	Description	Mass	Method
32803-D-6		0.2033	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:53:16 PM		B02	

Carbon %
3.536



SC632

32803-D-6

Name	Description	Mass	Method
32803-D-6		0.2084	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:55:27 PM		B03	

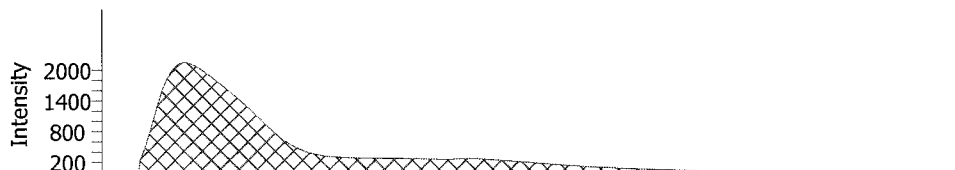
Carbon %
3.517



32803-B-8

Name	Description	Mass	Method
32803-B-8		0.2049	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:57:38 PM		B04	

Carbon %
2.245



32803-B-8

Name	Description	Mass	Method
32803-B-8		0.2082	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:59:50 PM		B05	

Carbon %
2.161

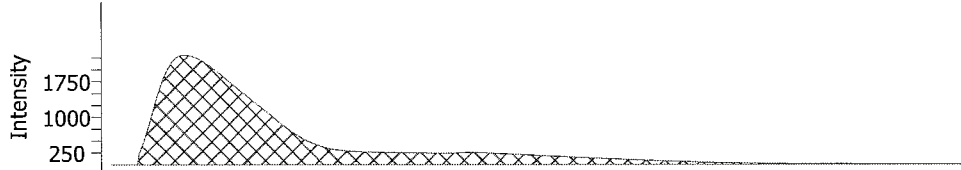


SC632

32803-C-9

Name	Description	Mass	Method
32803-C-9		0.1947	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:02:01 PM		B06	

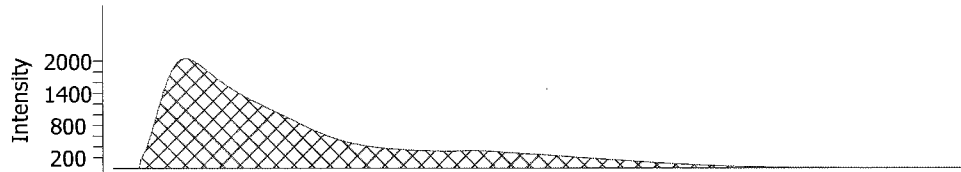
Carbon %
2.630



32803-C-9

Name	Description	Mass	Method
32803-C-9		0.2081	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:04:12 PM		B07	

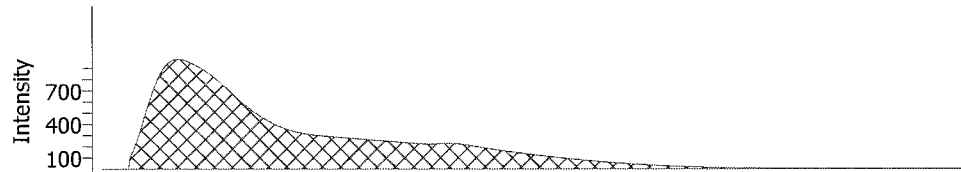
Carbon %
2.516



32803-B-11

Name	Description	Mass	Method
32803-B-11		0.2075	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:06:23 PM		B08	

Carbon %
1.256



SC632

32803-B-11

Name	Description	Mass	Method
32803-B-11		0.2061	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 2:08:34 PM	B09		

Carbon %
1.274



32803-B-12

Name	Description	Mass	Method
32803-B-12		0.2040	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 2:10:47 PM	B10		

Carbon %
2.889



32803-B-12

Name	Description	Mass	Method
32803-B-12		0.1971	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 2:12:59 PM	C01		

Carbon %
2.886



SC632

32803-B-13

Name	Description	Mass	Method
32803-B-13		0.1942	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 2:15:10 PM	C02		

Carbon %
2.494



32803-B-13

Name	Description	Mass	Method
32803-B-13		0.1948	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 2:17:21 PM	C03		

Carbon %
2.699



32803-B-14

Name	Description	Mass	Method
32803-B-14		0.2016	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 2:19:33 PM	C04		

Carbon %
1.261



SC632

32803-B-14

Name	Description	Mass	Method
32803-B-14		0.2030	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 2:21:45 PM	C05		

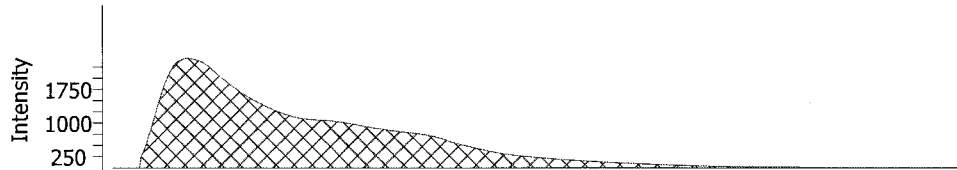
Carbon %
0.9495



32803-B-22

Name	Description	Mass	Method
32803-B-22		0.2065	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 2:24:00 PM	C06		

Carbon %
3.434



32803-B-22

Name	Description	Mass	Method
32803-B-22		0.2070	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 2:26:11 PM	C07		

Carbon %
3.632



SC632

32803-B-23

Name	Description	Mass	Method
32803-B-23		0.2059	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:28:22 PM		C08	

Carbon %
2.041



32803-B-23

Name	Description	Mass	Method
32803-B-23		0.2064	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:30:33 PM		C09	

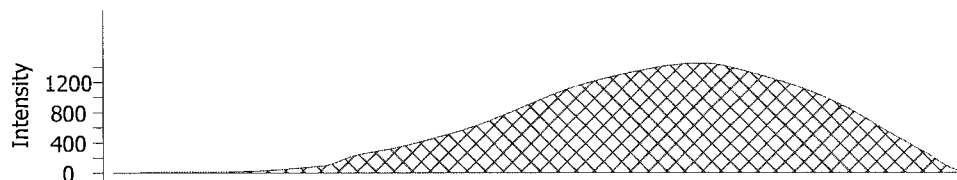
Carbon %
2.074



CCV-1

Name	Description	Mass	Method
CCV-1		0.1066	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:33:22 PM		C10	

Carbon %
12.50

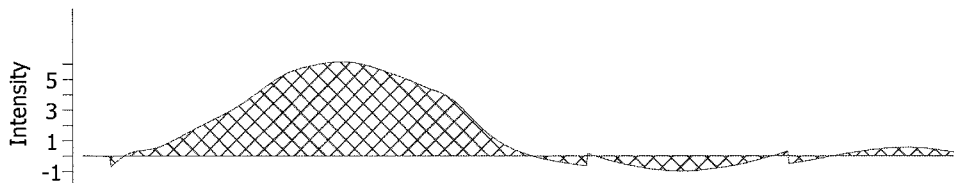


SC632

CCB-1

Name	Description	Mass	Method
CCB-1		0.1922	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:35:35 PM		D01	

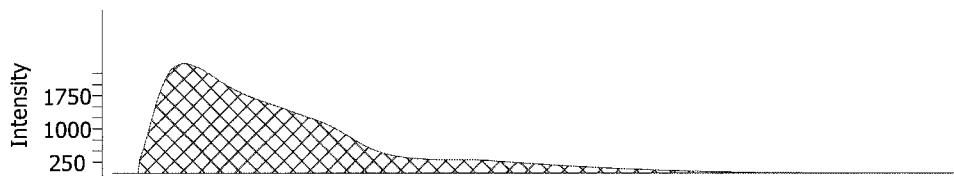
Carbon %
-0.02735



32803-B-24

Name	Description	Mass	Method
32803-B-24		0.2060	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:37:50 PM		D02	

Carbon %
3.263



32803-B-24

Name	Description	Mass	Method
32803-B-24		0.2033	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:40:02 PM		D03	

Carbon %
3.052



SC632

32803-B-25

Name	Description	Mass	Method
32803-B-25		0.2023	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:42:14 PM		D04	

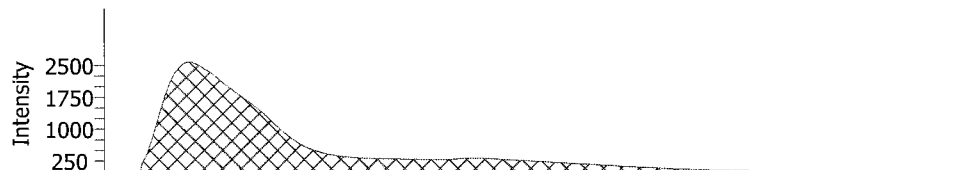
Carbon %
2.685



32803-B-25

Name	Description	Mass	Method
32803-B-25		0.2026	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:44:25 PM		D05	

Carbon %
2.771



32803-B-32

Name	Description	Mass	Method
32803-B-32		0.2006	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:46:36 PM		D06	

Carbon %
2.562

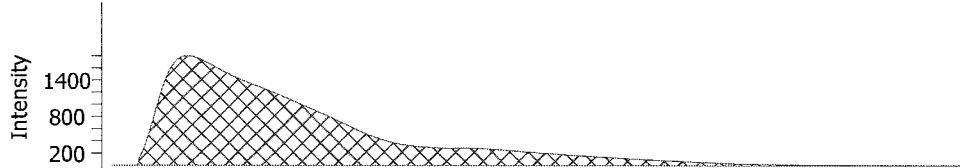


SC632

32803-B-32

Name	Description	Mass	Method
32803-B-32		0.2053	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:48:47 PM		D07	

Carbon %
2.564



32803-B-33

Name	Description	Mass	Method
32803-B-33		0.1937	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:50:59 PM		D08	

Carbon %
2.526



32803-B-33

Name	Description	Mass	Method
32803-B-33		0.2049	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:53:13 PM		D09	

Carbon %
2.581



SC632

32803-B-37

Name	Description	Mass	Method
32803-B-37		0.2004	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 2:55:28 PM	D10		

Carbon %
1.643



32803-B-37

Name	Description	Mass	Method
32803-B-37		0.2048	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 2:57:39 PM	E01		

Carbon %
2.150



32803-B-38

Name	Description	Mass	Method
32803-B-38		0.2097	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 2:59:51 PM	E02		

Carbon %
1.736

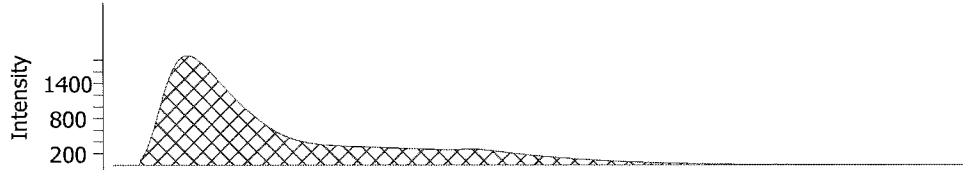


SC632

32803-B-38

Name	Description	Mass	Method
32803-B-38		0.2074	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 3:02:03 PM		E03	

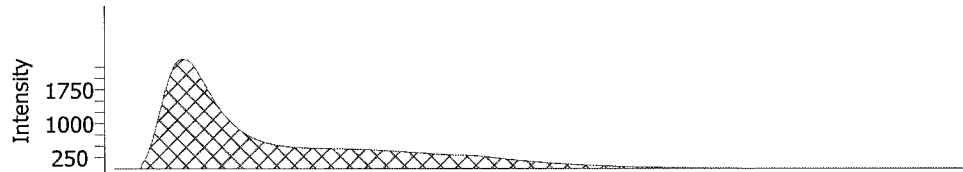
Carbon %
1.874



32803-B-39

Name	Description	Mass	Method
32803-B-39		0.1975	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 3:04:15 PM		E04	

Carbon %
2.160



32803-B-39

Name	Description	Mass	Method
32803-B-39		0.2080	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 3:06:27 PM		E05	

Carbon %
1.726

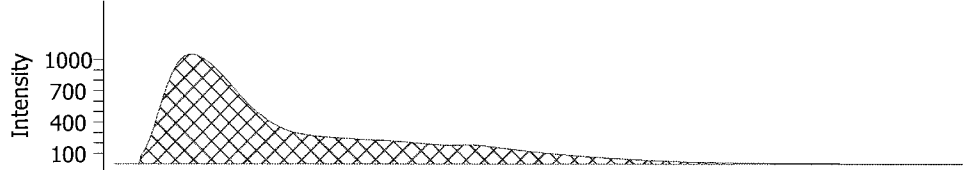


SC632

32803-B-40

Name	Description	Mass	Method
32803-B-40		0.1915	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 3:08:38 PM		E06	

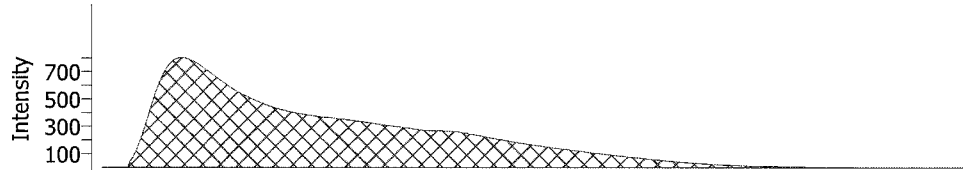
Carbon %
1.275



32803-B-40

Name	Description	Mass	Method
32803-B-40		0.2089	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 3:10:49 PM		E07	

Carbon %
1.267



32803-B-47

Name	Description	Mass	Method
32803-B-47		0.1920	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 3:13:00 PM		E08	

Carbon %
0.8467

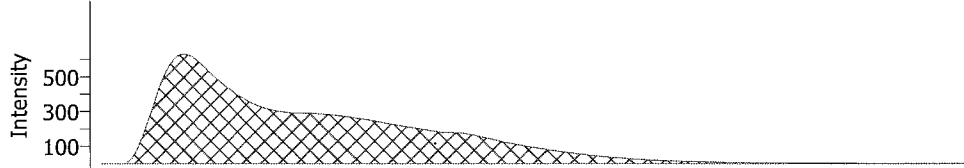


SC632

32803-B-47

Name	Description	Mass	Method
32803-B-47		0.2088	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 3:15:11 PM		E09	

Carbon %
0.8773



32803-B-48

Name	Description	Mass	Method
32803-B-48		0.2072	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 3:17:22 PM		E10	

Carbon %
1.910



32803-B-48

Name	Description	Mass	Method
32803-B-48		0.2095	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 5:26:21 PM		A01	

Carbon %
1.678

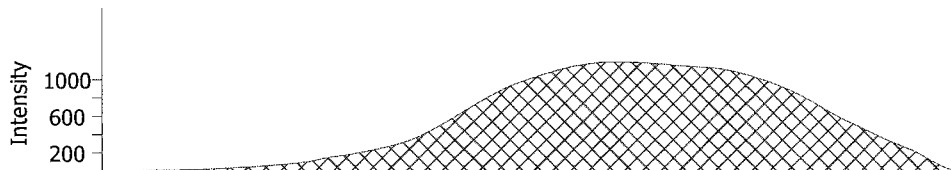


SC632

CCV-2

Name	Description	Mass	Method
CCV-2		0.1041	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 5:29:18 PM	A02		

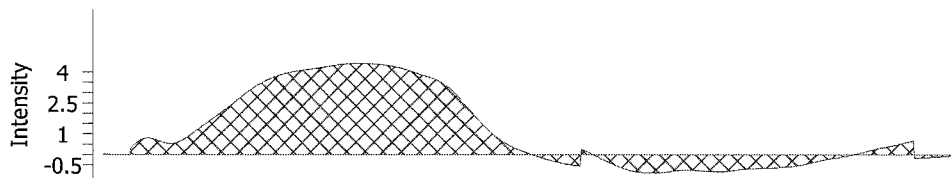
Carbon %
12.12



CCB-2

Name	Description	Mass	Method
CCB-2		0.2004	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 5:31:29 PM	A03		

Carbon %
-0.02890



Element	Average	Std. Deviation	RSD	Count
Mass	0.1951	0.03	13.86	53
Carbon %	3.148	3.6180	114.9	53

SC632

TA SOIL LINNEAR Calibration - Read Only

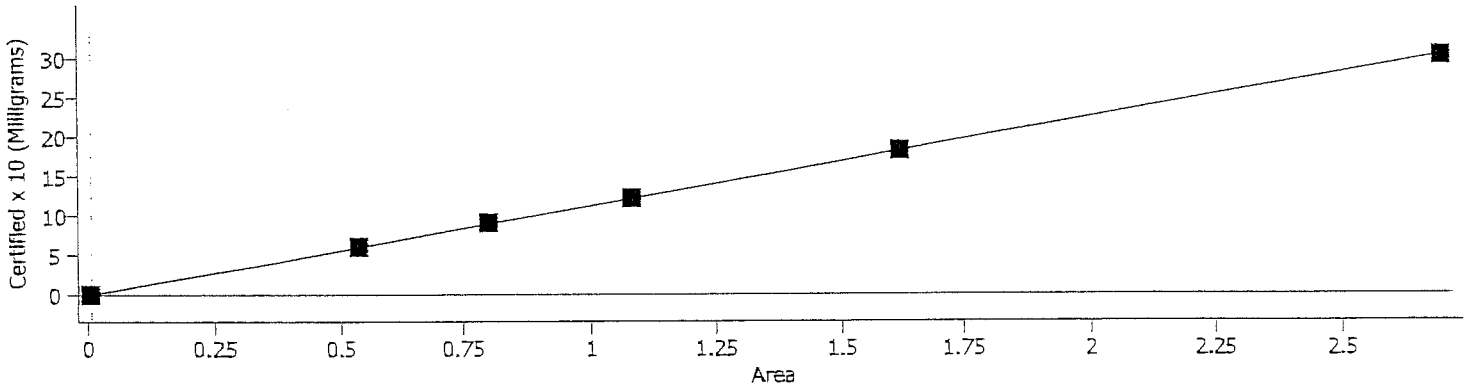
CO2 Low (range: 0.000000 to 30.156000 mg)

Previous Calibration:

$y = +1.12453x - 0.00721171$
Date: 6/2/2012 10:08:33 AM

New Calibration:

$y = +1.12453x - 0.00721171$
Curve Type: Linear
Weighting: 1 / Certified
RMS Error: 0.00010686



Row	Standard	Drift	Mass	Certified	Calculated	Error %	Prev Err %	Peak	Peak Area	Weighting	Date	Range	Saturated
1	Blank	0	1.0000	0.000000000005	0.000000000005	100.00	100.00	22.599	0.00641312	5.0000E+01	06/02/12 09:45 AM	Low	No
2	501-034 12%	0	0.050200	12.000	11.924	-0.63726	-0.63726	1187.7	0.53869	1.6600	06/02/12 09:47 AM	Low	No
3	501-034 12%	0	0.075400	12.000	11.879	-1.0111	-1.0111	1333.5	0.80288	1.1052	06/02/12 09:50 AM	Low	No
4	501-034 12%	1	0.10150	12.000	11.960	-0.33691	-0.33691	1434.7	1.0859	0.82102	06/02/12 09:52 AM	Low	No
5	501-034 12%	0	0.15140	12.000	12.020	0.16267	0.16267	2180.0	1.6246	0.55042	06/02/12 09:55 AM	Low	No
6	501-034 12%	0	0.25130	12.000	12.055	0.46211	0.46211	3094.6	2.7005	0.33161	06/02/12 09:58 AM	Low	No

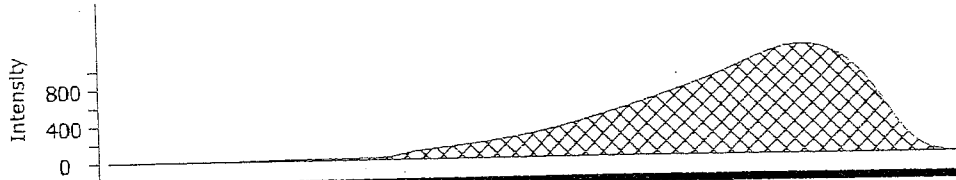
SC632

6/2/2012 9:47:52 AM

501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0502	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:47:52 AM		C04	

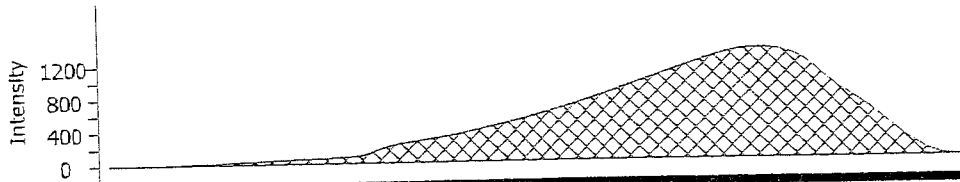
Carbon %
11.92



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0754	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:50:18 AM		C05	

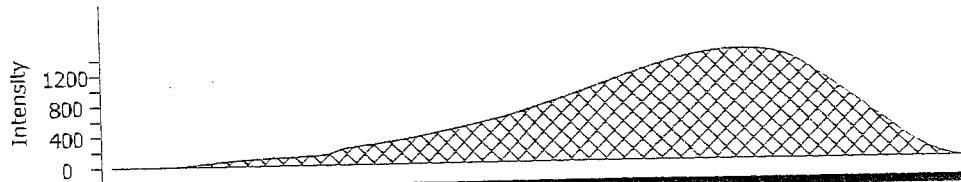
Carbon %
11.88



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1015	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:52:58 AM		C06	

Carbon %
11.96

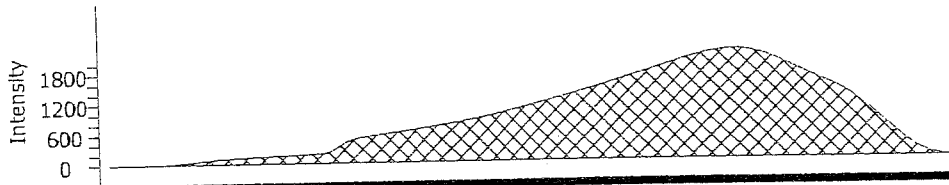


SC632

501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1514	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:55:34 AM		C07	

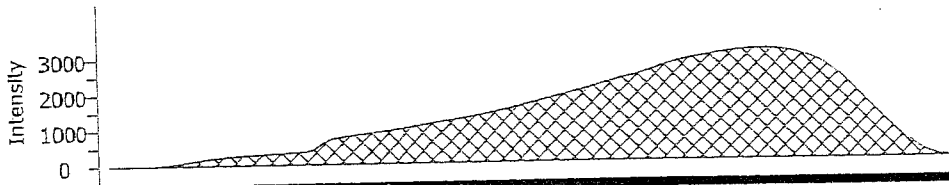
Carbon %
12.02



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.2513	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:58:17 AM		C08	

Carbon %
12.06



Element	Average	Std. Deviation	RSD	Count
Mass	0.1260	0.08	63.08	5
Carbon %	11.97	0.071	0.596	5

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICV		0.2043	TA SOIL LINNEAR	11/7/2012 5:34:40 PM	12.36	A04

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICB		0.2022	TA SOIL LINNEAR	11/7/2012 5:36:51 PM	-0.02753	A05

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
MB		0.1975	TA SOIL LINNEAR	11/7/2012 5:39:02 PM	-0.02788	A06

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
LCS		0.2020	TA SOIL LINNEAR	11/7/2012 5:41:17 PM	0.3095	A07

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
LCSD		0.1995	TA SOIL LINNEAR	11/7/2012 5:43:36 PM	0.3216	A08

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-49		0.1996	TA SOIL LINNEAR	11/7/2012 5:45:47 PM	2.728	A09
32803-B-49		0.2025	TA SOIL LINNEAR	11/7/2012 5:47:47 PM	2.724	A10
Average		0.2011			2.726	
Std. Deviation		0.002			0.0025	
RSD		1.020			0.091	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-49 DU		0.2028	TA SOIL LINNEAR	11/7/2012 5:49:58 PM	2.775	B01
32803-B-49 DU		0.1915	TA SOIL LINNEAR	11/7/2012 5:51:57 PM	2.591	B02
Average		0.1971			2.683	
Std. Deviation		0.008			0.1297	
RSD		4.053			4.833	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-49 MS	0.0970	0.0953	TA SOIL LINNEAR	11/7/2012 5:54:47 PM	15.55	B03

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-49-MSD	0.0886	0.0910	TA SOIL LINNEAR	11/7/2012 5:57:31 PM	14.91	B04

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-50		0.1906	TA SOIL LINNEAR	11/7/2012 5:59:43 PM	2.385	B05
32803-B-50		0.2034	TA SOIL LINNEAR	11/7/2012 6:01:54 PM	2.633	B06
Average		0.1970			2.509	
Std. Deviation		0.009			0.1755	
RSD		4.594			6.992	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-51		0.2038	TA SOIL LINNEAR	11/7/2012 6:04:05 PM	1.950	B07

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-51		0.2028	TA SOIL LINNEAR	11/7/2012 6:06:05 PM	1.948	B08
Average		0.2033			1.949	
Std. Deviation		0.0007			0.0015	
RSD		0.348			0.077	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-52		0.2032	TA SOIL LINNEAR	11/7/2012 6:08:20 PM	2.122	B09
32803-B-52		0.2013	TA SOIL LINNEAR	11/7/2012 6:10:31 PM	2.134	B10
Average		0.2022			2.128	
Std. Deviation		0.001			0.0086	
RSD		0.664			0.406	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV		0.0961	TA SOIL LINNEAR	11/7/2012 6:13:18 PM	12.60	C01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB		0.2035	TA SOIL LINNEAR	11/7/2012 6:15:33 PM	-0.01730	C02

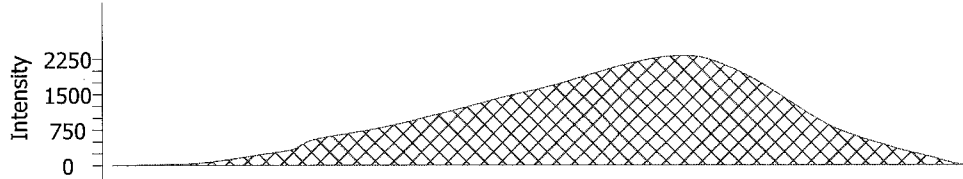
Element	Average	Std. Deviation	RSD	Count
Mass	0.1838	0.04	21.81	19
Carbon %	4.208	5.2580	124.9	19

SC632

ICV

Name	Description	Mass	Method
ICV		0.2043	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 5:34:40 PM	A04		

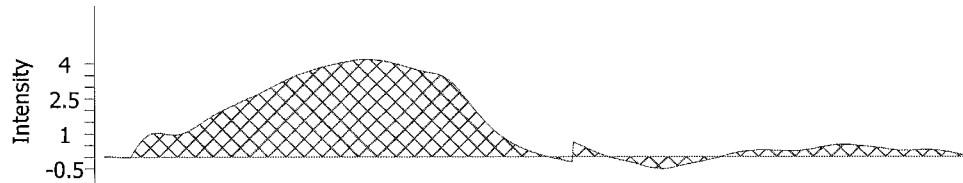
Carbon %
12.36



ICB

Name	Description	Mass	Method
ICB		0.2022	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 5:36:51 PM	A05		

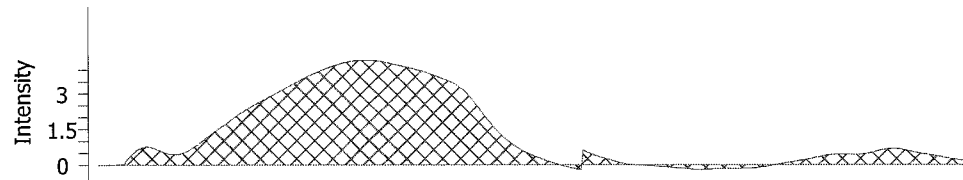
Carbon %
-0.02753



MB

Name	Description	Mass	Method
MB		0.1975	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 5:39:02 PM	A06		

Carbon %
-0.02788

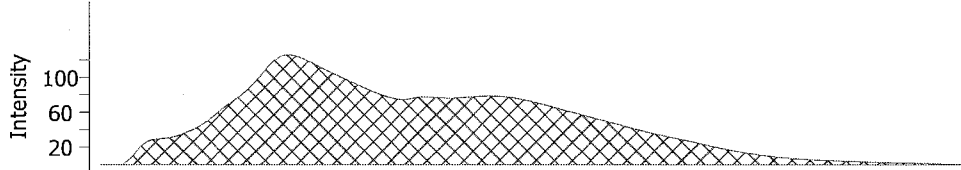


SC632

LCS

Name	Description	Mass	Method
LCS		0.2020	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 5:41:17 PM	A07		

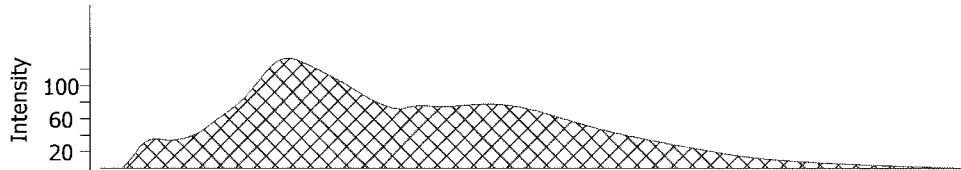
Carbon %
0.3095



LCSD

Name	Description	Mass	Method
LCSD		0.1995	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 5:43:36 PM	A08		

Carbon %
0.3216



32803-B-49

Name	Description	Mass	Method
32803-B-49		0.1996	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 5:45:47 PM	A09		

Carbon %
2.728

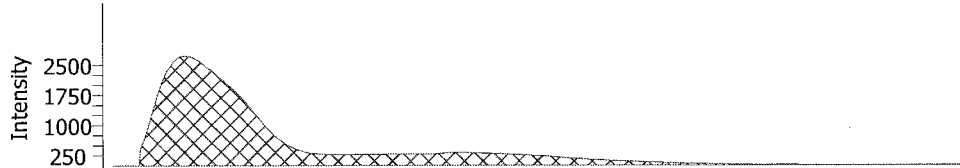


SC632

32803-B-49

Name	Description	Mass	Method
32803-B-49		0.2025	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 5:47:47 PM	A10		

Carbon %
2.724



32803-B-49 DU

Name	Description	Mass	Method
32803-B-49 DU		0.2028	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 5:49:58 PM	B01		

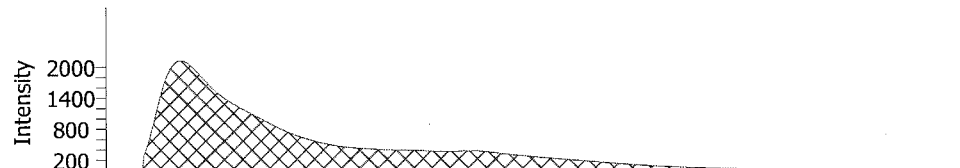
Carbon %
2.775



32803-B-49 DU

Name	Description	Mass	Method
32803-B-49 DU		0.1915	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 5:51:57 PM	B02		

Carbon %
2.591

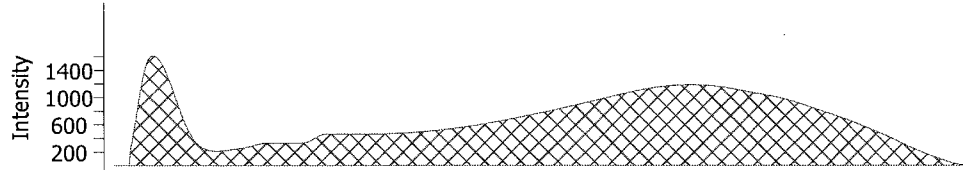


SC632

32803-B-49 MS

Name	Description	Mass	Method
32803-B-49 MS	0.0970	0.0953	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 5:54:47 PM		B03	

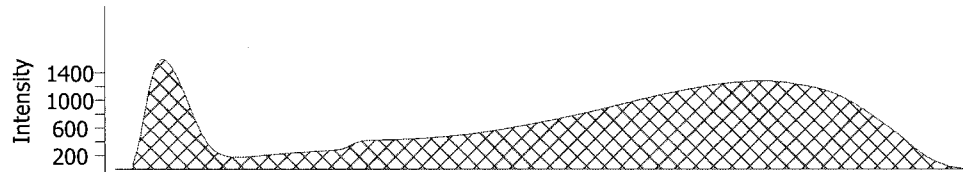
Carbon %
15.55



32803-B-49-MSD

Name	Description	Mass	Method
32803-B-49-MSD	0.0886	0.0910	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 5:57:31 PM		B04	

Carbon %
14.91



32803-B-50

Name	Description	Mass	Method
32803-B-50		0.1906	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 5:59:43 PM		B05	

Carbon %
2.385

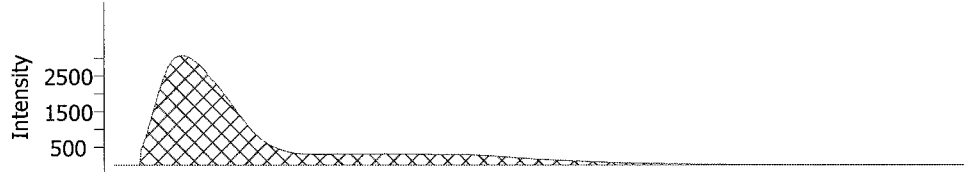


SC632

32803-B-50

Name	Description	Mass	Method
32803-B-50		0.2034	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 6:01:54 PM	B06		

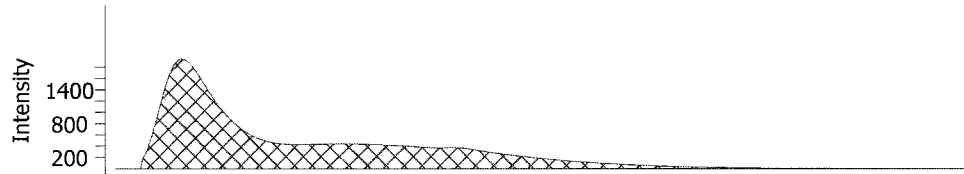
Carbon %
2.633



32803-B-51

Name	Description	Mass	Method
32803-B-51		0.2038	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 6:04:05 PM	B07		

Carbon %
1.950



32803-B-51

Name	Description	Mass	Method
32803-B-51		0.2028	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 6:06:05 PM	B08		

Carbon %
1.948

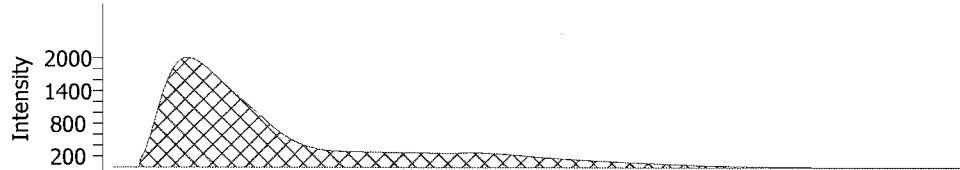


SC632

32803-B-52

Name	Description	Mass	Method
32803-B-52		0.2032	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 6:08:20 PM		B09	

Carbon %
2.122



32803-B-52

Name	Description	Mass	Method
32803-B-52		0.2013	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 6:10:31 PM		B10	

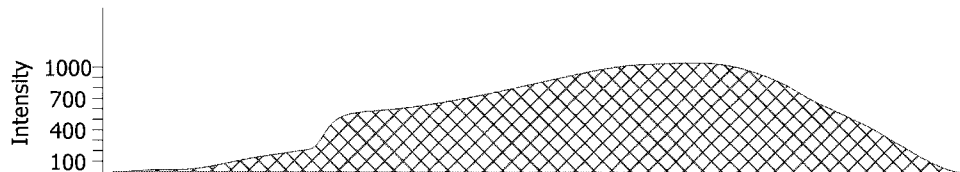
Carbon %
2.134



CCV

Name	Description	Mass	Method
CCV		0.0961	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 6:13:18 PM		C01	

Carbon %
12.60

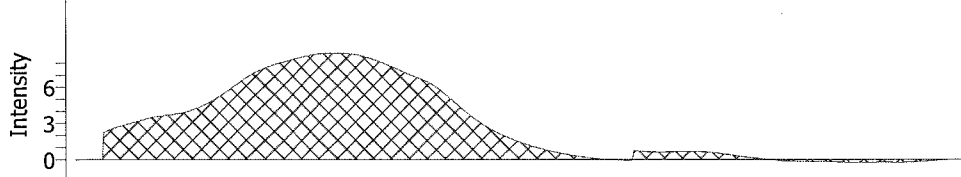


SC632

CCB

Name	Description	Mass	Method
CCB		0.2035	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 6:15:33 PM	C02		

Carbon %
-0.01730



Element	Average	Std. Deviation	RSD	Count
Mass	0.1838	0.04	21.81	19
Carbon %	4.208	5.2580	124.9	19

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Batch Number: 124143 Batch Start Date: 11/06/12 12:14 Batch Analyst: Brennan, Richard

Batch Method: 9060_PSEP Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CaCO3 00003	TOCS_LCS 00003		
ICV 580-124143/1		9060_PSEP				0.2057 g			
LCS 580-124143/4		9060_PSEP					0.2032 g		
LCSD 580-124143/5		9060_PSEP					0.2008 g		
580-32803-B-5 MS	JW-EA08-SS29-120 507	9060_PSEP	T	0.0973 g	0.0973 g	0.0949 g			
580-32803-B-5 MSD	JW-EA08-SS29-120 507	9060_PSEP	T	0.1050 g	0.1050 g	0.1065 g			
CCV 580-124143/19		9060_PSEP				0.1066 g			
CCV 580-124143/31		9060_PSEP				0.1041 g			

Batch Notes	
Lot # of Phosphoric Acid	978420

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Batch Number: 124168 Batch Start Date: 11/06/12 15:08 Batch Analyst: Brennan, Richard

Batch Method: 9060_PSEP Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CaCO3 00003	TOCS_LCS 00003		
ICV 580-124168/1		9060_PSEP				0.2043 g			
LCS 580-124168/4		9060_PSEP					0.202 g		
LCSD 580-124168/5		9060_PSEP					0.1995 g		
580-32803-B-49 MS	JW-EA09-SS38-120 507	9060_PSEP	T	0.0953 g	0.0953 g	0.097 g			
580-32803-B-49 MSD	JW-EA09-SS38-120 507	9060_PSEP	T	0.0910 g	0.0910 g	0.0886 g			
CCV 580-124168/13		9060_PSEP				0.0961 g			

Batch Notes	
Lot # of Phosphoric Acid	978420

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

Rush
 Short Hold

Chain of
Custody Record

Chain of Custody Number
15130

11/13/2012

Client: **Jeld Wen** Client Contact: **PNORRY QEA** Date: **5/7/2012** Lab Number: **206-287-9130** Page **1** of **5**

Address: **720 Olive Way Suite 1900** Telephone Number (Area Code)/Fax Number: **206-287-9130/206-287-9131**

City: **Seattle** State: **WA** Zip Code: **98101** Sampler: **LC/INS** Lab Contact: **NATHAN SOCCORSO**

Project Name and Location (State): **Jeld Wen SWFAL & Soliment WA** Billing Contact: **NATHAN SOCCORSO**

Contract/Purchase Order/Quote No.: **120909-01-01**

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH			ZnAc/NaOH
1. JW-EAS8-SS29-1205 1 of 2	5/7/12	11:00	X											
1. JW-EAS8-SS29-1205 2 of 2	5/7/12	11:00	X											
2. JW-EAS8-SS30-1205 1 of 2	5/7/12	11:10	X											
2. JW-EAS8-SS30-1205 2 of 2	5/7/12	11:10	X											
3. JW-EAS8-SS31-1205 1 of 2	5/7/12	11:15	X											
3. JW-EAS8-SS31-1205 2 of 2	5/7/12	11:15	X											
4. JW-EAS8-SS32-1205 1 of 2	5/7/12	12:25	X											
4. JW-EAS8-SS32-1205 2 of 2	5/7/12	12:25	X											
5. JW-EAD8-SS29-1205 (1)	5/7/12	11:00	X											
5. JW-EAD8-SS29-1205 (2)	5/7/12	11:10	X											
6. JW-EAS8-SS30-1205 (1)	5/7/12	15:10	X											
6. JW-EAS8-SS30-1205 (2)	5/7/12	15:10	X											
7. JW-EA08-SS31-1205 (1)	5/7/12	11:15	X											
7. JW-EA08-SS31-1205 (2)	5/7/12	11:15	X											

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

QC Requirements (Specify): _____

Sample Disposal: Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Archive: **Archive 5/7-12/12**

1. Relinquished By **Sigv/Print** Date **5/8/12** Time **12:16**

2. Relinquished By **Sigv/Print** Date **5/8/12** Time **12:16**

3. Relinquished By **Sigv/Print** Date _____ Time _____

Comments: **TRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy**

TAL-8274-580 (0210)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

Rush
 Short Hold

Chain of
Custody Record

Chain of Custody Number
15128

11/18/2012

Page 3 of 5

Client Jeld Wen		Client Contact Anchor QEA		Date 5/7/2012		Chain of Custody Number 15128	
Address 720 Olive Way Suite 1900		Telephone Number (Area Code)/Fax Number 206.287.9130/206.287.9131		Lab Number			
City Seattle		State WA		Zip Code 98101			
Project Name and Location (State) Jeld Wen Surface Sediment WA		Billing Contact Nathan Succow		Lab Contact			
Contract/Purchase Order/Quote No. 120909-01D1		Matrix		Containers & Preservatives			
Sample I.D. and Location/Description (Containers for each sample may be combined on one line)		Date		Time		Air	
21. JW-EAD10-10MP-1205 (2)		5/7/12		10:14		X	
22. JW-EAD7-SS28-1205 (1)		5/7/12		12:00		X	
23. JW-EAD7-SS25-1205 (1)		5/7/12		11:44		X	
24. JW-EAD7-SS27-1205 (1)		5/7/12		12:14		X	
25. JW-EAD7-SS26-1205 (1)		5/7/12		11:50		X	
26. JW-EAD7-6BMP-1205 (1)		5/7/12		16:33		X	
27. JW-EAD8-SS12-1205 (1)		5/7/12		13:00		X	
28. JW-EAD3-SS1D-1205 (1)		5/7/12		13:30		X	
29. JW-EAD3-SS11-1205 (1)		5/7/12		14:00		X	
30. JW-EAD3-10MP-1205 (1)		5/7/12		16:53		X	
31. JW-EAD3-SS09-1205 (1)		5/7/12		13:45		X	
38. JW-EAD2-SS05-1205 (1)		5/7/12		15:05		X	

Turn Around Time Required (business days)
 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

QC Requirements (Specify)

1. Relinquished By Sign/Print: **Cindy Fields** Date: **5/8/12** Time: **12:10pm**

2. Relinquished By Sign/Print: **Francisco Lopez Jr** Date: **5/6/12** Time: **12:16**

3. Relinquished By Sign/Print: _____ Date: _____ Time: _____

Special Instructions/ Conditions of Receipt

Analysis (Attach list if more space is needed)

Sample Disposal: Disposal By Lab Return To Client Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Comments

DISTRIBUTION: WHITE - Stays with the Samples, CANARY - Returned to Client with Report, PINK - Field Copy

TAL-8274-680 (0210)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

Rush
 Short Hold

Chain of
Custody Record

Client: Jold Wen Client Contact: Andrew OEA Date: 5/7/2012 Chain of Custody Number: 15129

Address: 720 Olive Way Suite 1900 Telephone Number (Area Code/Fax Number): 206-287-9130 / 206-287-9131 Lab Number: Page 4 of 5

City: Seattle State: WA Zip Code: 98101 Sampler: KLINS Lab Contact: Analysis (Attach list if more space is needed)

Project Name and Location (State): Jold Wen Surface Sediment WA Billing Contact: Norman Socorsky Matrix: Containers & Preservatives: Special Instructions/ Conditions of Receipt:

Contract/Purchase Order/Quote No.: 12MD9-0101 Sample I.D. and Location/Description (Containers for each sample may be combined on one line)

Sample I.D. and Location/Description	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Disposal By Lab	Return To Client	Archive For	Months	(A fee may be assessed if samples are retained longer than 1 month)
33 JM-EA02-SS06-1205 (1)	5/7/12	14:56	X														
34 JM-EA02-SS07-1205 (1)	5/7/12	15:11	X														
35 JM-EA02-SS08-1205 (1)	5/7/12	14:47	X														
36 JM-EA02-CAMP-1205 (1)	5/7/12	17:10	X														
37 JM-EA04-SS13-1205 (1)	5/7/12	12:55	X														
38 JM-EA04-SS14-1205 (1)	5/7/12	12:40	X														
39 JM-EA04-SS14-1205 (1)	5/7/12	12:50	X														
40 JM-EA04-SS15-1205 (1)	5/7/12	12:30	X														
41 JM-EA04-CAMP-1205 (1)	5/7/12	17:25	X														
42 JM-EA04-SS03-1205 (2)	5/7/12	15:10	X														
43 JM-EA04-SS04-1205 (2)	5/7/12	15:00	X														
44 JM-EA01-SS01-1205 (2)	5/7/12	15:22	X														

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

1. Relinquished By Sign/Print: Andrew OEA Date: 5/8/12 Time: 12:10pm

2. Relinquished By Sign/Print: Date: Time:

3. Relinquished By Sign/Print: Date: Time:

Comments:

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 5 of 5

Lab Contact:		Project: Jeld Wen		Analyses Requested							Notes/ Comments:	
Lab: Test America		Surface Sediment		Ts/IDL/BC/Archive PAH	Ts/IDC/BC/GS/PAH	Archive	PAH					
Address: 5755 8 th Street E.		Proj. No.: 120909-01.01										
City, etc.: Tacoma WA 98424		Sampler: KL/NS										
Phone: 253-922-2310		Shipping Method:										
Fax: 253-922-5047		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
45 JW-EA01-SS02	1205 5/7/12	15:15	Sed	2	X							
46 JW-EA01-COMP	1205 5/7/12	17:39	Sed	2		X						
47 JW-EA09-SS37	1205 5/7/12	13:46	Sed	1			X					
48 JW-EA09-SS34	1205 5/7/12	14:11	Sed	2			X					
49 JW-EA09-SS38	1205 5/7/12	13:50	Sed	1			X					
50 JW-EA09-SS36	1205 5/7/12	14:01	Sed	1			X					
51 JW-EA09-SS33	1205 5/7/12	13:24	Sed	1			X					
52 JW-EA09-SS35	1205 5/7/12	13:36	Sed	1			X					
53 JW-EA09-COMP	1205 5/7/12	18:03	Sed	2		X						
54 JW-RB-1205	5/7/12	17:58		1			X					
55 JW-FB-1205	5/7/12	19:00		1			X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
<i>C. Field</i>			# of Coolers:	Cooler Temp(s):
Printed Name: Cindy Field S	Printed Name:	Printed Name:		
Company: AQEA	Company:	Company:		
Date/Time: 5/8/2012 12:16pm	Date/Time:	Date/Time:	COC Seals Intact?	Bottles Intact?
Received By: <i>[Signature]</i>	Received By:	Received By:		
Printed Name: FRANCISCO LUAGA	Printed Name:	Printed Name:		
Company: TA-SEA	Company:	Company:		
Date/Time: 5/8/12 12/6	Date/Time:	Date/Time:		

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 580-32803-2

Login Number: 32803

List Source: TestAmerica Seattle

List Number: 1

Creator: Blankinship, Tom

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	two coolers out of temp
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	ID of sample -20
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

ANALYTICAL REPORT

Job Number: 580-32803-3

Job Description: Jeld-Wen Surface Sediment

For:

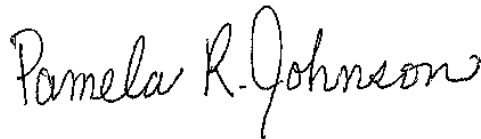
Anchor QEA LLC

720 Olive Way

Suite 1900

Seattle, WA 98101

Attention: Cindy Fields



Approved for release.
Pam R Johnson
Project Manager I
5/16/2013 1:02 PM

Pam R Johnson, Project Manager I
5755 8th Street East, Tacoma, WA, 98424
(253)922-2310 x112
pamr.johnson@testamericainc.com
05/16/2013

cc: Lab Data
Niki Masters

TestAmerica Tacoma is a part of TestAmerica Laboratories, Inc.

This report is issued solely for the use of the person or company to whom it is addressed. Any use, copying or disclosure other than by the intended recipient is unauthorized. If you have received this report in error, please notify the sender immediately at 253-922-2310 and destroy this report immediately.

This report shall not be reproduced except in full, without prior express written approval by the laboratory. The results relate only to the item(s) tested and the sample(s) as received by the laboratory.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

TestAmerica Laboratories, Inc.

TestAmerica Seattle 5755 8th Street East, Tacoma, WA 98424
Tel (253) 922-2310 Fax (253) 922-5047 www.testamericainc.com



Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Sample Summary	5
Method Summary	6
Sample Datasheets	7
QC Data Summary	10
QC Association Summary	13
Lab Chronicle	14
Reagent Traceability	16
COAs	17
Certification Summary	18
Inorganic Sample Data	19
General Chemistry Data	19
Gen Chem Cover Page	20
Gen Chem Sample Data	21
Gen Chem QC Data	24
Gen Chem ICV/CCV	24
Gen Chem Blanks	25
Gen Chem MS/MSD/PDS	26
Gen Chem Duplicates	28
Gen Chem LCS/LCSD	29
Gen Chem MDL	31
Gen Chem Analysis Run Log	34
Gen Chem Raw Data	36
Gen Chem Prep Data	49

Table of Contents

Shipping and Receiving Documents	51
Client Chain of Custody	52
Sample Receipt Checklist	57

CASE NARRATIVE

Client: Anchor QEA LLC
Project: Jeld-Wen Surface Sediment
Report Number: 580-32803-3

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 05/08/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.6° C, 2.6° C, 3.8° C, 5.6° C, 12.7° C and 15.8° C.

Except:

Two of the six coolers were received at the laboratory outside the required temperature criteria . 12.7°C and 15.8°C.

The following samples JW-EA03-SS12-120507 (580-32803-27), JW-EA03-SS11-120507 (580-32803-29) and JW-EA02-SS07-120507 (580-32803-34) were analyzed for TOC and TS per client request via email on 04/30/13 10:45am.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

PUGET SOUND ESTUARY PROGRAM TOTAL ORGANIC CARBON

Samples JW-EA03-SS12-120507 (580-32803-27), JW-EA03-SS11-120507 (580-32803-29) and JW-EA02-SS07-120507 (580-32803-34) were analyzed for Puget Sound Estuary Program total organic carbon in accordance with EPA SW-846 Method 9060, modified to meet the Puget Sound Estuary Program requirements. The samples were analyzed on 05/07/2013.

Samples were kept frozen until request for analysis, as such the hold time flags were not necessary and were removed by the analyst.

No other difficulties were encountered during the PSEP TOC analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples JW-EA03-SS12-120507 (580-32803-27), JW-EA03-SS11-120507 (580-32803-29) and JW-EA02-SS07-120507 (580-32803-34) were analyzed for percent solids in accordance with ASTM D2216. The samples were analyzed on 05/09/2013.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32803-3

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-32803-27	JW-EA03-SS12-120507	Solid	05/07/2012 1300	05/08/2012 1420
580-32803-29	JW-EA03-SS11-120507	Solid	05/07/2012 1400	05/08/2012 1420
580-32803-34	JW-EA02-SS07-120507	Solid	05/07/2012 1511	05/08/2012 1420

METHOD SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32803-3

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
TOC (Puget Sound)	TAL SEA	PSEP 9060_PSEP	
Percent Moisture	TAL SEA	ASTM D 2216	

Lab References:

TAL SEA = TestAmerica Seattle

Method References:

ASTM = ASTM International

PSEP = Puget Sound Estuary Program

Client: Anchor QEA LLC

Job Number: 580-32803-3

General Chemistry

Client Sample ID: JW-EA03-SS12-120507

Lab Sample ID: 580-32803-27

Date Sampled: 05/07/2012 1300

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	22000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-135169		Analysis Date: 05/07/2013 1302				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	45		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-135319		Analysis Date: 05/09/2013 1106				DryWt Corrected: N
Percent Moisture	55		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-135319		Analysis Date: 05/09/2013 1106				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-3

General Chemistry

Client Sample ID: JW-EA03-SS11-120507

Lab Sample ID: 580-32803-29

Date Sampled: 05/07/2012 1400

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	21000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-135169		Analysis Date: 05/07/2013 1317				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	47		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-135319		Analysis Date: 05/09/2013 1106				DryWt Corrected: N
Percent Moisture	53		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-135319		Analysis Date: 05/09/2013 1106				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-3

General Chemistry

Client Sample ID: JW-EA02-SS07-120507

Lab Sample ID: 580-32803-34

Date Sampled: 05/07/2012 1511

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	21000		mg/Kg	610	2000	1.0	9060_PSEP
Analysis Batch: 580-135169		Analysis Date: 05/07/2013 1321		DryWt Corrected: N			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	46		%	0.10	0.10	1.0	D 2216
Analysis Batch: 580-135319		Analysis Date: 05/09/2013 1106		DryWt Corrected: N			
Percent Moisture	54		%	0.10	0.10	1.0	D 2216
Analysis Batch: 580-135319		Analysis Date: 05/09/2013 1106		DryWt Corrected: N			

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-3

Method Blank - Batch: 580-135169

**Method: 9060_PSEP
Preparation: N/A**

Lab Sample ID:	MB 580-135169/3	Analysis Batch:	580-135169	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/07/2013 1256	Units:	mg/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		610	2000

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-135169**

**Method: 9060_PSEP
Preparation: N/A**

LCS Lab Sample ID:	LCS 580-135169/4	Analysis Batch:	580-135169	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/07/2013 1258	Units:	mg/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 580-135169/5	Analysis Batch:	580-135169	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/07/2013 1300	Units:	mg/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Total Organic Carbon	108	105	34 - 166	2	35		

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-135169**

**Method: 9060_PSEP
Preparation: N/A**

LCS Lab Sample ID:	LCS 580-135169/4	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 580-135169/5
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/07/2013 1258			Analysis Date:	05/07/2013 1300
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon	2850	2850	3070	3000

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-3

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-135169**

**Method: 9060_PSEP
Preparation: N/A**

MS Lab Sample ID:	580-32803-27	Analysis Batch:	580-135169	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.1091 g
Analysis Date:	05/07/2013 1312			Final Weight/Volume:	0.1091 g
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	580-32803-27	Analysis Batch:	580-135169	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.1023 g
Analysis Date:	05/07/2013 1314			Final Weight/Volume:	0.1023 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Total Organic Carbon	99	99	76 - 128	4	28		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-135169**

**Method: 9060_PSEP
Preparation: N/A**

MS Lab Sample ID:	580-32803-27	Units:	mg/Kg	MSD Lab Sample ID:	580-32803-27
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/07/2013 1312			Analysis Date:	05/07/2013 1314
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon	22000	106000	111000	127000	132000

Duplicate - Batch: 580-135169

**Method: 9060_PSEP
Preparation: N/A**

Lab Sample ID:	580-32803-27	Analysis Batch:	580-135169	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/07/2013 1307	Units:	mg/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	22000	22300	3	50	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-3

Duplicate - Batch: 580-135319

**Method: D 2216
Preparation: N/A**

Lab Sample ID:	580-32803-29	Analysis Batch:	580-135319	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/09/2013 1106	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	47	47	0.03	20	
Percent Moisture	53	53	0.03	20	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-3

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:580-135169					
LCS 580-135169/4	Lab Control Sample	T	Solid	9060_PSEP	
LCSD 580-135169/5	Lab Control Sample Duplicate	T	Solid	9060_PSEP	
MB 580-135169/3	Method Blank	T	Solid	9060_PSEP	
580-32803-27	JW-EA03-SS12-120507	T	Solid	9060_PSEP	
580-32803-27DU	Duplicate	T	Solid	9060_PSEP	
580-32803-27MS	Matrix Spike	T	Solid	9060_PSEP	
580-32803-27MSD	Matrix Spike Duplicate	T	Solid	9060_PSEP	
580-32803-29	JW-EA03-SS11-120507	T	Solid	9060_PSEP	
580-32803-34	JW-EA02-SS07-120507	T	Solid	9060_PSEP	
Analysis Batch:580-135319					
580-32803-27	JW-EA03-SS12-120507	T	Solid	D 2216	
580-32803-29	JW-EA03-SS11-120507	T	Solid	D 2216	
580-32803-29DU	Duplicate	T	Solid	D 2216	
580-32803-34	JW-EA02-SS07-120507	T	Solid	D 2216	

Report Basis

T = Total

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-3

Laboratory Chronicle

Lab ID: 580-32803-27

Client ID: JW-EA03-SS12-120507

Sample Date/Time: 05/07/2012 13:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-27		580-135169		05/07/2013 13:02	1	TAL SEA	RB
A:D 2216	580-32803-B-27		580-135319		05/09/2013 11:06	1	TAL SEA	RD

Lab ID: 580-32803-27 MS

Client ID: JW-EA03-SS12-120507

Sample Date/Time: 05/07/2012 13:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-27 MS		580-135169		05/07/2013 13:12	1	TAL SEA	RB

Lab ID: 580-32803-27 MSD

Client ID: JW-EA03-SS12-120507

Sample Date/Time: 05/07/2012 13:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-27 MSD		580-135169		05/07/2013 13:14	1	TAL SEA	RB

Lab ID: 580-32803-27 DU

Client ID: JW-EA03-SS12-120507

Sample Date/Time: 05/07/2012 13:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-27 DU		580-135169		05/07/2013 13:07	1	TAL SEA	RB

Lab ID: 580-32803-29

Client ID: JW-EA03-SS11-120507

Sample Date/Time: 05/07/2012 14:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-29		580-135169		05/07/2013 13:17	1	TAL SEA	RB
A:D 2216	580-32803-B-29		580-135319		05/09/2013 11:06	1	TAL SEA	RD

Lab ID: 580-32803-29 DU

Client ID: JW-EA03-SS11-120507

Sample Date/Time: 05/07/2012 14:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:D 2216	580-32803-B-29 DU		580-135319		05/09/2013 11:06	1	TAL SEA	RD

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-3

Laboratory Chronicle

Lab ID: 580-32803-34

Client ID: JW-EA02-SS07-120507

Sample Date/Time: 05/07/2012 15:11

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-34		580-135169		05/07/2013 13:21	1	TAL SEA	RB
A:D 2216	580-32803-B-34		580-135319		05/09/2013 11:06	1	TAL SEA	RD

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	MB 580-135169/3		580-135169		05/07/2013 12:56	1	TAL SEA	RB

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	LCS 580-135169/4		580-135169		05/07/2013 12:58	1	TAL SEA	RB

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	LCSD 580-135169/5		580-135169		05/07/2013 13:00	1	TAL SEA	RB

Lab References:

TAL SEA = TestAmerica Seattle

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-3

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
CaCO3_00003	06/02/17		ACROS, Lot A0311356		(Purchased Reagent)		Total Organic Carbon	120000 g
TOCS_LCS_00003	02/29/16		ERA, Lot D078-542		(Purchased Reagent)		Total Organic Carbon	2850 mg/Kg



A Waters Company

Certificate of Analysis

Lot No. D078-542

Nutrients in Soil

Catalog No. 542

Issue Date: July 22, 2012

Revision Date: Original

Certification

Parameter	Total Concentration ¹ (mg/kg)	Certified Value ² (mg/kg)	Uncertainty ³	QC PALs™ ⁴ (mg/kg)	PT PALs™ ⁵ (mg/kg)
ammonia as N	783	655	6.7%	332 - 977	355 - 955
total kjeldahl nitrogen	1250	1160	14.0%	666 - 1660	626 - 1700
total organic carbon	2850	2820	4.4%	1430 - 4220	794 - 4850
total phosphorus	855	799	6.3%	438 - 1160	180 - 1420

Revised 9-20-12
PALs ID: 979727 AJM

1. The **Total Concentrations** are equal to the digestable background concentrations in the blank soil matrix (determined internally by ERA using applicable methods), plus the amount of each analyte spiked onto the soil.

2. The **Certified Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The certified values are based on an "as received" basis, assuming a 100% solids content.

3. The stated **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA using applicable methods, multiplied by a coverage factor which is equal to the student t factor at a 95% confidence interval at n-1 degrees of freedom.

4. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The **QC PALs™** reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the **QC PALs™** to realistically evaluate your performance against your peers.

5. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the **PT PALs™** when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

6. This standard **expires 2/2016**. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or email to info@eraqc.com.

Certifying Officer: Tom Widera



REFERENCE MATERIAL PRODUCER
CERT # 1539.03

Certification Summary

Client: Anchor QEA LLC
Project/Site: Jeld-Wen Surface Sediment

TestAmerica Job ID: 580-32803-3

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska (UST)	State Program	10	UST-022
TestAmerica Seattle	California	NELAP	9	01115CA
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Montana (UST)	State Program	8	N/A
TestAmerica Seattle	Oregon	NELAP	10	WA100007
TestAmerica Seattle	USDA	Federal		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32803-3

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID	Lab Sample ID
<u>JW-EA03-SS12-120507</u>	<u>580-32803-27</u>
<u>JW-EA03-SS11-120507</u>	<u>580-32803-29</u>
<u>JW-EA02-SS07-120507</u>	<u>580-32803-34</u>

Comments:

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA03-SS12-120507

Lab Sample ID: 580-32803-27

Lab Name: TestAmerica Seattle

Job No.: 580-32803-3

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 13:00

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	22000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA03-SS11-120507

Lab Sample ID: 580-32803-29

Lab Name: TestAmerica Seattle

Job No.: 580-32803-3

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 14:00

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	21000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA02-SS07-120507

Lab Sample ID: 580-32803-34

Lab Name: TestAmerica Seattle

Job No.: 580-32803-3

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:11

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	21000	2000	610	mg/Kg			1	9060_PSE P

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-3
SDG No.: _____
Analyst: RB Batch Start Date: 05/07/2013
Reporting Units: mg/Kg Analytical Batch No.: 135169

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	12:51	Total Organic Carbon	110000	120000	91	80-120		CaCO3_00003
2	ICB	12:53	Total Organic Carbon	ND					
15	CCV	13:52	Total Organic Carbon	119000	120000	99	80-120		CaCO3_00003
16	CCB	13:56	Total Organic Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-3

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 135169 Date: 05/07/2013 12:56							
9060_PSEP	MB 580-135169/3	Total Organic Carbon	ND		mg/Kg	2000	1

5-IN
 MATRIX SPIKE SAMPLE RECOVERY
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-3

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 135169 Date: 05/07/2013 13:12											
9060_PS EP	580-32803-27	Total Organic Carbon	22000		mg/Kg						
9060_PS EP	580-32803-27 MS	Total Organic Carbon	127000		mg/Kg	106000	99	76-128			

Calculations are performed before rounding to avoid round-off errors in calculated results.

5-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-3
 SDG No.: _____
 Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 135169 Date: 05/07/2013 13:14											
9060_PS	580-32803-27	Total Organic Carbon	132000		mg/Kg	111000	99	76-128	4	28	
EP	MSD										

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-3

SDG No.: _____

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 135169 Date: 05/07/2013 13:07								
9060_PSEP	JW-EA03-SS12-12050 7	580-32803-27	Total Organic Carbon	22000	mg/Kg			
9060_PSEP	JW-EA03-SS12-12050 7	580-32803-27 DU	Total Organic Carbon	22300	mg/Kg	3	50	

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
 LAB CONTROL SAMPLE
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-3
 SDG No.: _____
 Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 135169		Date: 05/07/2013 12:58									
						LCS Source: TOCS_LCS_00003					
9060_PS	LCS	Total Organic Carbon	3070		mg/Kg	2850	108	34-166	2	35	
EP	580-135169/4										

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
 LAB CONTROL SAMPLE DUPLICATE
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-3

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 135169		Date: 05/07/2013 13:00									
						LCSD Source: TOCS_LCS_00003					
9060_PS	LCSD	Total Organic Carbon	3000		mg/Kg	2850	105	34-166	2	35	
EP	580-135169/5										

Calculations are performed before rounding to avoid round-off errors in calculated results.

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32803-3
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP MDL Date: 04/24/2008 14:41

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Total Organic Carbon		2000	608

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32803-3
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP XMDL Date: 11/01/2009 12:22

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Total Organic Carbon		2000	608

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32803-3
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: D 2216 RL Date: 01/01/2005 13:13

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-3

SDG No.: _____

Instrument ID: NOEQUIP Method: D 2216

Start Date: 05/09/2013 11:06 End Date: 05/09/2013 11:06

Lab Sample ID	D / F	T y p e	Time	Analytes															
				% S o l	M o i s t														
580-32803-29	1	T	11:06	X	X														
580-32803-29 DU	1	T	11:06	X	X														
580-32803-27	1	T	11:06	X	X														
580-32803-34	1	T	11:06	X	X														
ZZZZZZ			11:06																
ZZZZZZ			11:06																
ZZZZZZ			11:06																
ZZZZZZ			11:06																

Prep Types
T = Total/NA

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICV		0.1924	TA SOIL LINNEAR	5/7/2013 12:51:09 PM	10.95	A01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICB		0.1828	TA SOIL LINNEAR	5/7/2013 12:53:50 PM	-0.03224	A02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
MB		0.2038	TA SOIL LINNEAR	5/7/2013 12:56:02 PM	-0.02398	A03

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
LCS		0.1956	TA SOIL LINNEAR	5/7/2013 12:58:14 PM	0.3068	A04

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
LCSD		0.2107	TA SOIL LINNEAR	5/7/2013 1:00:32 PM	0.2996	A05

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-27		0.2050	TA SOIL LINNEAR	5/7/2013 1:02:43 PM	2.177	A06
32803-A-27		0.2076	TA SOIL LINNEAR	5/7/2013 1:04:54 PM	2.172	A07
Average		0.2063			2.175	
Std. Deviation		0.002			0.0038	
RSD		0.891			0.173	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-27 DU		0.1913	TA SOIL LINNEAR	5/7/2013 1:07:05 PM	2.203	A08
32803-A-27 DU		0.2007	TA SOIL LINNEAR	5/7/2013 1:09:18 PM	2.263	A09
Average		0.1960			2.233	
Std. Deviation		0.007			0.0420	
RSD		3.391			1.880	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-27 MS	0.0962	0.1091	TA SOIL LINNEAR	5/7/2013 1:12:07 PM	12.68	A10

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-27 MSD	0.0949	0.1023	TA SOIL LINNEAR	5/7/2013 1:14:40 PM	13.16	B01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-29		0.2086	TA SOIL LINNEAR	5/7/2013 1:17:22 PM	2.074	B02
32803-B-29		0.2060	TA SOIL LINNEAR	5/7/2013 1:19:36 PM	2.077	B03
Average		0.2073			2.075	
Std. Deviation		0.002			0.0022	
RSD		0.887			0.107	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-34		0.1938	TA SOIL LINNEAR	5/7/2013 1:21:50 PM	2.147	B04

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-34		0.2077	TA SOIL LINNEAR	5/7/2013 1:24:04 PM	2.136	B05
Average		0.2007			2.142	
Std. Deviation		0.010			0.0082	
RSD		4.896			0.384	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
38273-A-17		0.1916	TA SOIL LINNEAR	5/7/2013 1:39:38 PM	2.947	B10
38273-A-17		0.1939	TA SOIL LINNEAR	5/7/2013 1:41:49 PM	2.803	C01
Average		0.1927			2.875	
Std. Deviation		0.002			0.1015	
RSD		0.844			3.532	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
38273-A-18		0.2061	TA SOIL LINNEAR	5/7/2013 1:43:48 PM	2.203	C02
38273-A-18		0.2013	TA SOIL LINNEAR	5/7/2013 1:45:59 PM	2.215	C03
Average		0.2037			2.209	
Std. Deviation		0.003			0.0090	
RSD		1.666			0.406	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
38273-A-19		0.1898	TA SOIL LINNEAR	5/7/2013 1:48:10 PM	2.254	C04
38273-A-19		0.1912	TA SOIL LINNEAR	5/7/2013 1:50:05 PM	2.310	C05
Average		0.1905			2.282	
Std. Deviation		0.0010			0.0401	
RSD		0.520			1.756	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV		0.1914	TA SOIL LINNEAR	5/7/2013 1:52:57 PM	11.86	C06

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB		0.1968	TA SOIL LINNEAR	5/7/2013 1:56:08 PM	-0.02405	C07

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
38294-A-1		0.0097	TA SOIL LINNEAR	5/7/2013 3:20:58 PM	49.92	A01
38294-A-1		0.0106	TA SOIL LINNEAR	5/7/2013 3:23:09 PM	50.44	A02
Average		0.0101			50.18	
Std. Deviation		0.0006			0.368	
RSD		6.270			0.733	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
38294-A-2		0.0116	TA SOIL LINNEAR	5/7/2013 3:25:20 PM	67.73	A03
38294-A-2		0.0120	TA SOIL LINNEAR	5/7/2013 3:27:31 PM	69.41	A04
Average		0.0118			68.57	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
Std. Deviation		0.0003			1.188	
RSD		2.397			1.732	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-2		0.1941	TA SOIL LINNEAR	5/7/2013 3:30:09 PM	11.35	A05

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-2		0.1972	TA SOIL LINNEAR	5/7/2013 3:32:20 PM	0.00009261	A06

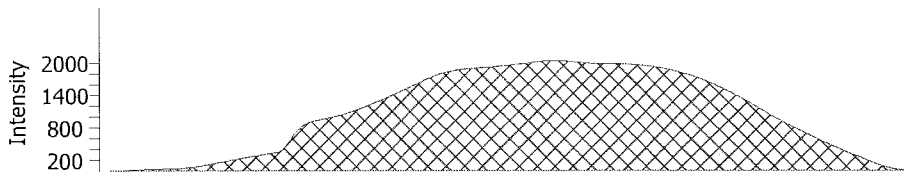
Element	Average	Std. Deviation	RSD	Count
Mass	0.1660	0.07	40.82	29
Carbon %	11.38	20.252	178.0	29

SC632

ICV

Name	Description	Mass	Method
ICV		0.1924	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 12:51:09 PM	A01		

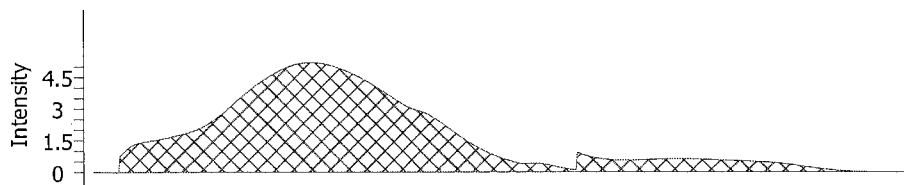
Carbon %
10.95



ICB

Name	Description	Mass	Method
ICB		0.1828	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 12:53:50 PM	A02		

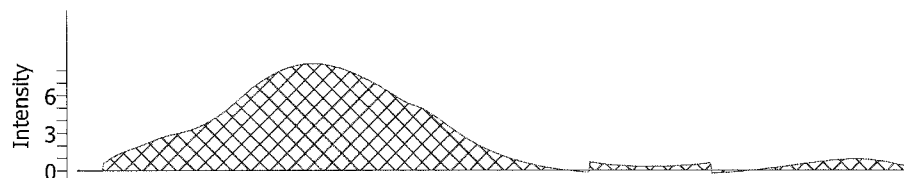
Carbon %
-0.03224



MB

Name	Description	Mass	Method
MB		0.2038	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 12:56:02 PM	A03		

Carbon %
-0.02398

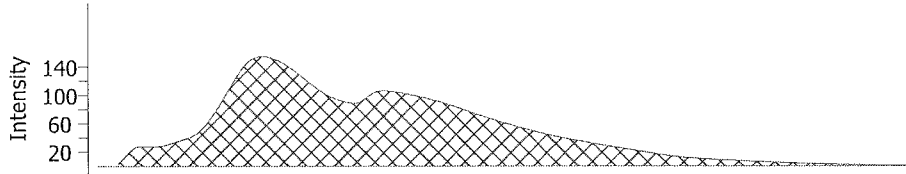


SC632

LCS

Name	Description	Mass	Method
LCS		0.1956	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 12:58:14 PM	A04		

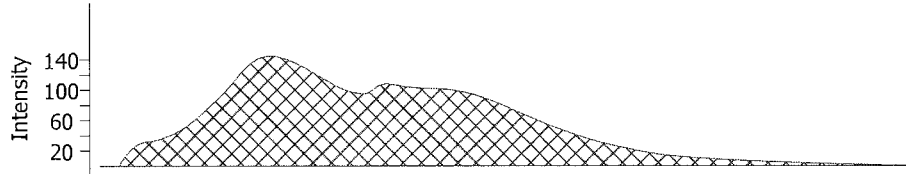
Carbon %
0.3068



LCSD

Name	Description	Mass	Method
LCSD		0.2107	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:00:32 PM	A05		

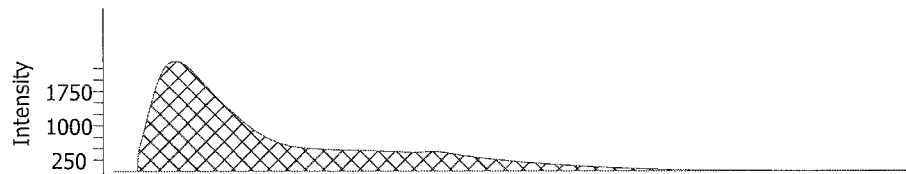
Carbon %
0.2996



32803-A-27

Name	Description	Mass	Method
32803-A-27		0.2050	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:02:43 PM	A06		

Carbon %
2.177

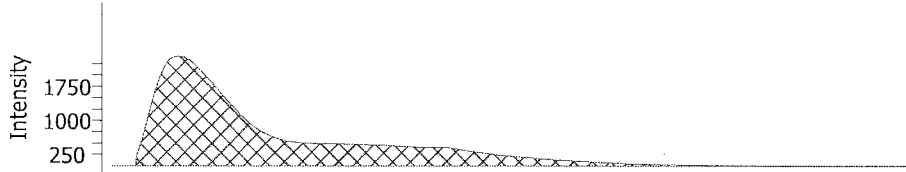


SC632

32803-A-27

Name	Description	Mass	Method
32803-A-27		0.2076	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 1:04:54 PM		A07	

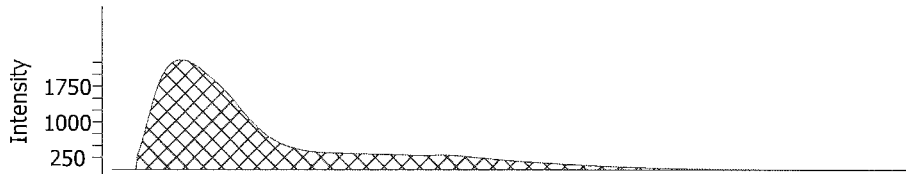
Carbon %
2.172



32803-A-27 DU

Name	Description	Mass	Method
32803-A-27 DU		0.1913	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 1:07:05 PM		A08	

Carbon %
2.203



32803-A-27 DU

Name	Description	Mass	Method
32803-A-27 DU		0.2007	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 1:09:18 PM		A09	

Carbon %
2.263

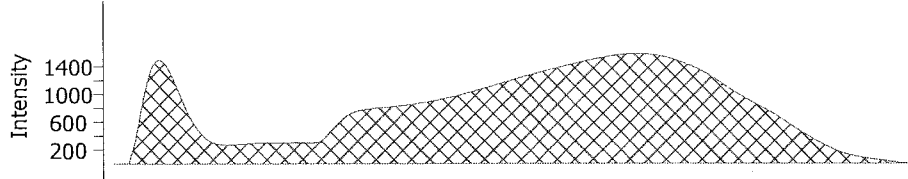


SC632

32803-A-27 MS

Name	Description	Mass	Method
32803-A-27 MS	0.0962	0.1091	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 1:12:07 PM		A10	

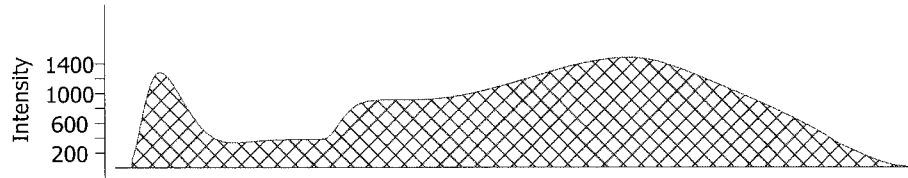
Carbon %
12.68



32803-A-27 MSD

Name	Description	Mass	Method
32803-A-27 MSD	0.0949	0.1023	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 1:14:40 PM		B01	

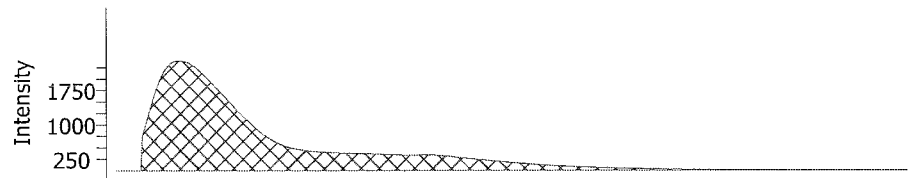
Carbon %
13.16



32803-B-29

Name	Description	Mass	Method
32803-B-29		0.2086	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 1:17:22 PM		B02	

Carbon %
2.074

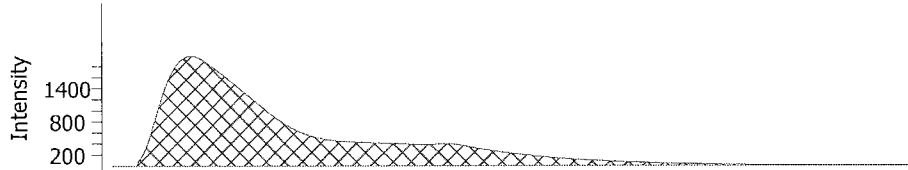


SC632

32803-B-29

Name	Description	Mass	Method
32803-B-29		0.2060	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 1:19:36 PM		B03	

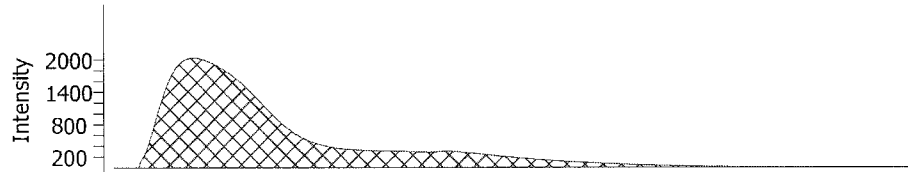
Carbon %
2.077



32803-B-34

Name	Description	Mass	Method
32803-B-34		0.1938	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 1:21:50 PM		B04	

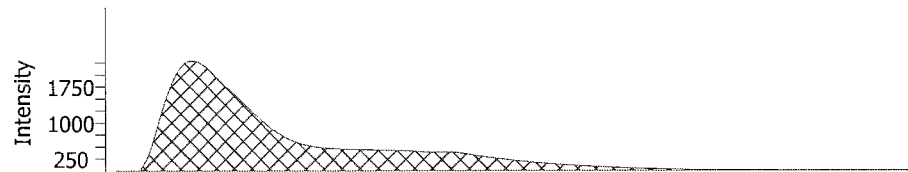
Carbon %
2.147



32803-B-34

Name	Description	Mass	Method
32803-B-34		0.2077	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 1:24:04 PM		B05	

Carbon %
2.136

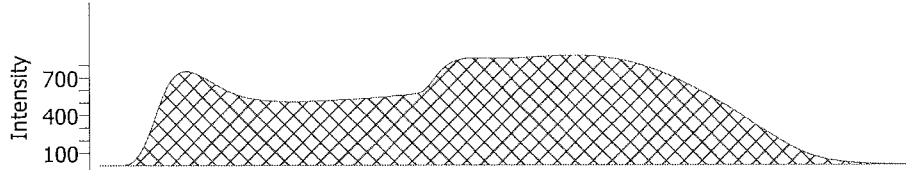


SC632

38273-A-17

Name	Description	Mass	Method
38273-A-17		0.1916	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:39:38 PM	B10		

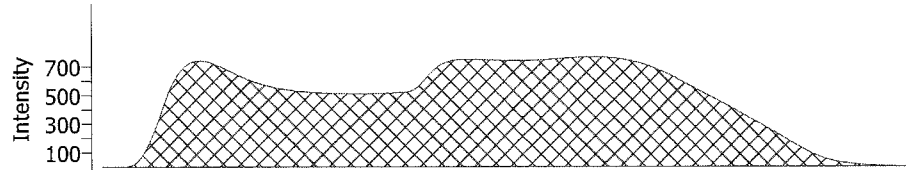
Carbon %
2.947



38273-A-17

Name	Description	Mass	Method
38273-A-17		0.1939	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:41:49 PM	C01		

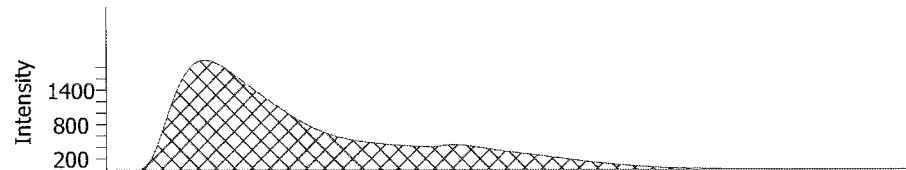
Carbon %
2.803



38273-A-18

Name	Description	Mass	Method
38273-A-18		0.2061	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:43:48 PM	C02		

Carbon %
2.203

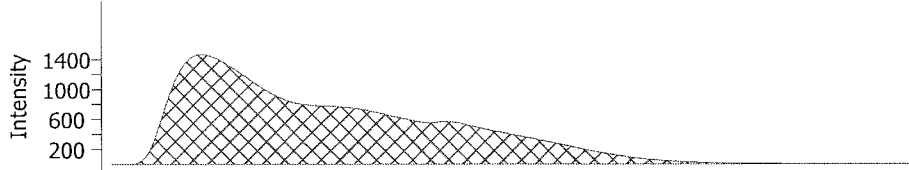


SC632

38273-A-18

Name	Description	Mass	Method
38273-A-18		0.2013	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:45:59 PM	C03		

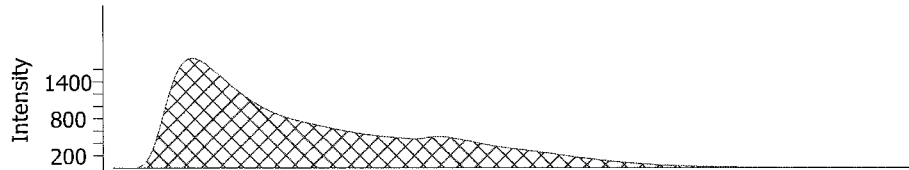
Carbon %
2.215



38273-A-19

Name	Description	Mass	Method
38273-A-19		0.1898	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:48:10 PM	C04		

Carbon %
2.254



38273-A-19

Name	Description	Mass	Method
38273-A-19		0.1912	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:50:05 PM	C05		

Carbon %
2.310

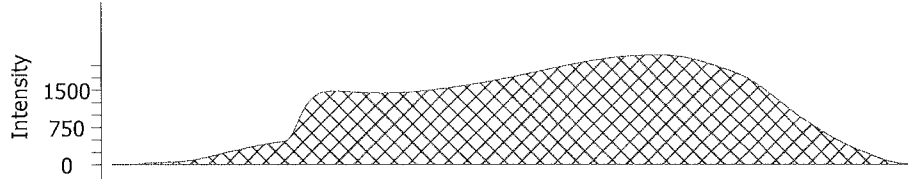


SC632

CCV

Name	Description	Mass	Method
CCV		0.1914	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:52:57 PM	C06		

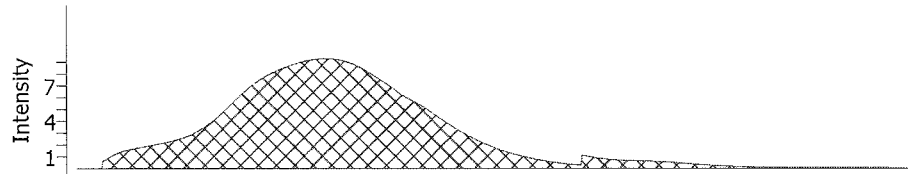
Carbon %
11.86



CCB

Name	Description	Mass	Method
CCB		0.1968	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:56:08 PM	C07		

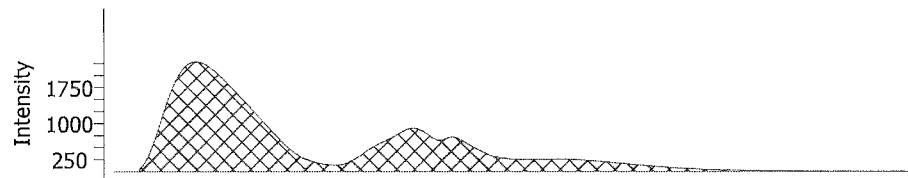
Carbon %
-0.02405



38294-A-1

Name	Description	Mass	Method
38294-A-1		0.0097	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 3:20:58 PM	A01		

Carbon %
49.92

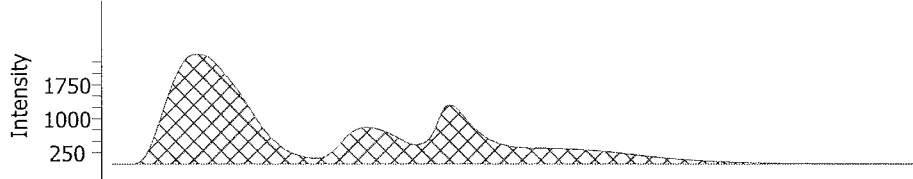


SC632

38294-A-1

Name	Description	Mass	Method
38294-A-1		0.0106	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 3:23:09 PM	A02		

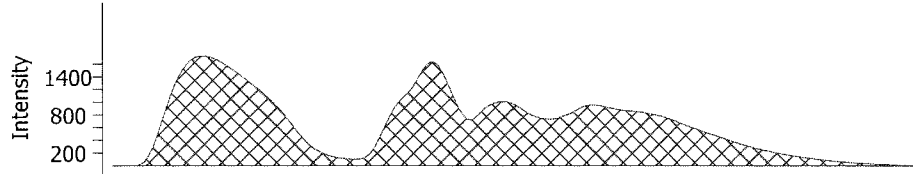
Carbon %
50.44



38294-A-2

Name	Description	Mass	Method
38294-A-2		0.0116	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 3:25:20 PM	A03		

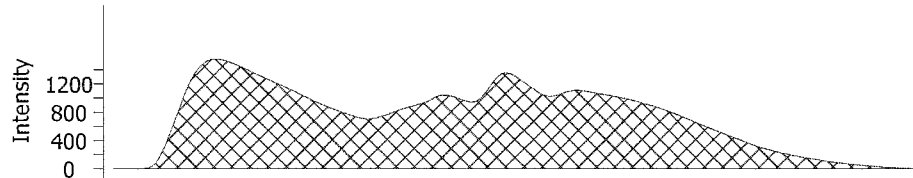
Carbon %
67.73



38294-A-2

Name	Description	Mass	Method
38294-A-2		0.0120	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 3:27:31 PM	A04		

Carbon %
69.41

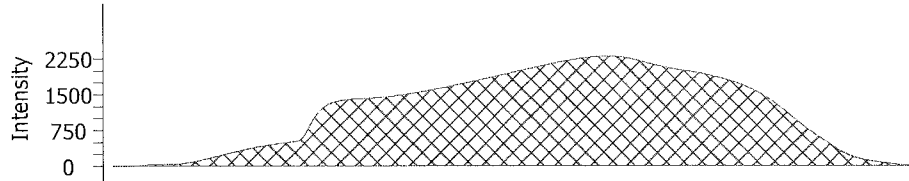


SC632

CCV-2

Name	Description	Mass	Method
CCV-2		0.1941	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 3:30:09 PM		A05	

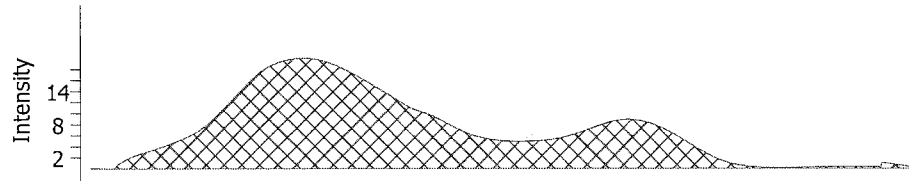
Carbon %
11.35



CCB-2

Name	Description	Mass	Method
CCB-2		0.1972	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 3:32:20 PM		A06	

Carbon %
0.00009261



Element	Average	Std. Deviation	RSD	Count
Mass	0.1660	0.07	40.82	29
Carbon %	11.38	20.252	178.0	29

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-3

SDG No.: _____

Batch Number: 135169 Batch Start Date: 05/07/13 12:51 Batch Analyst: Brennan, Richard

Batch Method: 9060_PSEP Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CaCO3 00003	TOCS_LCS 00003		
ICV 580-135169/1		9060_PSEP				0.1924 g			
LCS 580-135169/4		9060_PSEP					0.1956 g		
LCSD 580-135169/5		9060_PSEP					0.2107 g		
580-32803-A-27 MS	JW-EA03-SS12-120 507	9060_PSEP	T	0.1091 g	0.1091 g	0.0962 g			
580-32803-A-27 MSD	JW-EA03-SS12-120 507	9060_PSEP	T	0.1023 g	0.1023 g	0.0949 g			
CCV 580-135169/15		9060_PSEP				0.1914 g			

Batch Notes	
Lot # of Phosphoric Acid	1037585

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-3

SDG No.: _____

Batch Number: 135319 Batch Start Date: 05/09/13 11:06 Batch Analyst: DeMonnin, Robert

Batch Method: D 2216 Batch End Date: 05/09/13 15:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-32803-B-29	JW-EA03-SS11-120 507	D 2216	T	0.7720 g	8.9975 g	4.6753 g			
580-32803-B-29 DU	JW-EA03-SS11-120 507	D 2216	T	0.7692 g	7.2750 g	3.8555 g			
580-32803-B-27	JW-EA03-SS12-120 507	D 2216	T	0.7947 g	10.4435 g	5.1636 g			
580-32803-B-34	JW-EA02-SS07-120 507	D 2216	T	0.7731 g	8.1249 g	4.1621 g			

Batch Notes	
Balance ID	SEA222 No Unit
Date samples were placed in the oven	5-9-13
Oven Temp when samples are put in oven	109.9 Degrees C
Time samples were place in the oven	1130
Date samples were removed from oven	5-9-13
Oven Temp when samples removed from oven	109.9 Degrees C
Time Samples were removed from oven	1540
Oven ID	DW01
ID number of the thermometer	3A4823
Uncorrected In Temperature	110 Celsius
Uncorrected Out Temperature	110 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

Rush
 Short Hold

Chain of
Custody Record

Chain of Custody Number
15130

05/16/2013

Client: **Jeld Wen** Client Contact: **PNORRY QEA** Date: **5/7/2012** Lab Number: **206-287-9130** Page **1** of **5**

Address: **720 Olive Way Suite 1900** Telephone Number (Area Code)/Fax Number: **206-287-9130/206-287-9131**

City: **Seattle** State: **WA** Zip Code: **98101** Sampler: **LC/INS** Lab Contact: **NATHAN SOCCORSO**

Project Name and Location (State): **Jeld Wen SWFAL & Soliment WA** Billing Contact: **NATHAN SOCCORSO**

Contract/Purchase Order/Quote No.: **120909-01-01**

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HN03	HCl	NaOH			ZnAc/NaOH
1. JW-EAS8-SS29-1205 1 of 2	5/7/12	11:00	X											
JW-EAS8-SS29-1205 2 of 2	5/7/12	11:00	X											
2. JW-EAS8-SS30-1205 1 of 2	5/7/12	11:10	X											
JW-EAS8-SS30-1205 2 of 2	5/7/12	11:10	X											
3. JW-EAS8-SS31-1205 1 of 2	5/7/12	11:15	X											
JW-EAS8-SS31-1205 2 of 2	5/7/12	11:15	X											
4. JW-EAS8-SS32-1205 1 of 2	5/7/12	12:25	X											
JW-EAS8-SS32-1205 2 of 2	5/7/12	12:25	X											
5. JW-EAD8-SS29-1205 (1)	5/7/12	11:00	X											
JW-EAD8-SS29-1205 (2)	5/7/12	11:10	X											
6. JW-EAS8-SS30-1205 (1)	5/7/12	15:10	X											
JW-EAS8-SS30-1205 (2)	5/7/12	15:10	X											
7. JW-EA08-SS31-1205 (1)	5/7/12	11:15	X											
JW-EA08-SS31-1205 (2)	5/7/12	11:15	X											

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

QC Requirements (Specify): _____

Sample Disposal: Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Archive: **Archive 5/7-12/12**

1. Relinquished By **Sign/Print** Date **5/8/12** Time **12:16**

2. Relinquished By **Sign/Print** Date **5/8/12** Time **12:16**

3. Relinquished By **Sign/Print** Date _____ Time _____

Comments: **TRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy**

TAL-8274-580 (0210)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericalnc.com

Rush
 Short Hold

Chain of
Custody Record

05/16/2013

Client: Jeld Wen Client Contact: Anchor GEA Date: 5/7/2012 Chain of Custody Number: 15107

Address: 720 Olive Way Suite 1900 Telephone Number (Area Code)/Fax Number: 206-287-9130/206-287-9131 Lab Number: _____ Page 2 of 5

City: Seattle State: WA ZIP Code: 98101 Sampler: KC/NS Lab Contact: _____

Project Name and Location (State): Jeld Wen Surface Sediment WA Billing Contact: Nathan Socransky

Contract/Purchase Order/Quote No.: 1209109-01-01 Matrix: _____ Containers & Preservatives: _____

Special Instructions/Conditions of Receipt: _____

Sample ID and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Analysis (Attach list if more space is needed)										
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl		NaOH	ZnAc/NaOH								
9 JM-EA08-SS32-1205 (1)	5/7/12	12:25			X																
10 JM-EA08-DMMP-1205 (2)	5/7/12	15:28			X																
11 JM-EA06-SS22-1205 (1)	5/7/12	11:17			X																
12 JM-EA06-SS21-1205 (1)	5/7/12	11:12			X																
13 JM-EA06-SS23-1205 (1)	5/7/12	11:30			X																
14 JM-EA06-SS24-1205 (1)	5/7/12	11:40			X																
15 JM-EA06-COMP-1205 (1)	5/7/12	16:00			X																
16 JM-EA06-SS29-1205 (2)	5/7/12	10:25			X																
17 JM-EA10-SS41-1205 (2)	5/7/12	12:44			X																
18 JM-EA10-SS40-1205 (2)	5/7/12	12:34			X																
19 JM-EA10-SS43-1205 (2)	5/7/12	12:20			X																
20 JM-EA10-SS43-1205 (2)	5/7/12	09:03			X																

QC Requirements (Specify): _____

Sample Disposal: Disposal By Lab Return To Client Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Reinquisitioned By Sign/Print: _____ Date: _____ Time: _____

1. Reinquisitioned By Sign/Print: Cindy Fields Date: 5/8/12 Time: 12:16

2. Reinquisitioned By Sign/Print: _____ Date: _____ Time: _____

3. Reinquisitioned By Sign/Print: _____ Date: _____ Time: _____

Comments: _____

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

TAL-8274-580 (0210)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

Rush
 Short Hold

Chain of
Custody Record

Chain of Custody Number
15128

05/16/2013

Client: Jeld Wen Client Contact: Anchor OEA Date: 5/7/2012 Lab Number: Page 3 of 5

Address: 720 Olive Way Suite 1900 Telephone Number (Area Code)/Fax Number: 206.287.9130/206.287.9131

City: Seattle State: WA Zip Code: 98101 Sampler: LC/NS Lab Contact:

Project Name and Location (State): Jeld Wen Surface Sediment WA Billing Contact: Nathan Succow

Contract/Purchase Order/Quote No.: 120909-01D1

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH			ZnAc/NaOH	
21. JW-EA10-10MP-1205 (A)	5/7/12	10:14			X										
22. JW-EA07-SS28-1205 (1)	5/7/12	12:00			X										
23. JW-EA07-SS25-1205 (1)	5/7/12	11:44			X										
24. JW-EA07-SS27-1205 (1)	5/7/12	12:14			X										
25. JW-EA07-SS26-1205 (1)	5/7/12	11:50			X										
26. JW-EA07-68MP-1205 (1)	5/7/12	16:33			X										
27. JW-EA08-SS12-1205 (1)	5/7/12	13:00			X										
28. JW-EA03-SS10-1205 (1)	5/7/12	13:30			X										
29. JW-EA03-SS11-1205 (1)	5/7/12	14:00			X										
30. JW-EA03-10MP-1205 (1)	5/7/12	16:53			X										
31. JW-EA03-SS09-1205 (1)	5/7/12	13:45			X										
38. JW-EA02-SS05-1205 (1)	5/7/12	15:05			X										

QC Requirements (Specify) Return To Client Archive For Months Disposal By Lab Disposal For Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other

Cooler Yes No Cooler Temp: Possible Hazard Identification Non-Hazard Flammable Skin Irritant Poison B Unknown Sample Disposal Return To Client Archive For Months Disposal By Lab Disposal For Months

1. Relinquished By Sign/Print: Cindy Fields Date: 5/8/12 Time: 12:10pm Received By Sign/Print: Francisco Lopez Jr Date: 5/6/12 Time: 12:16

2. Relinquished By Sign/Print: Date: Time: Received By Sign/Print: Date: Time:

3. Relinquished By Sign/Print: Date: Time: Received By Sign/Print: Date: Time:

Comments:

DISTRIBUTION: WHITE - Stays with the Samples, CANARY - Returned to Client with Report, PINK - Field Copy

TAL-8274-680 (0210)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

Rush
 Short Hold

Chain of
Custody Record

05/16/2013

Client: Jeld Wen Client Contact: Andrew OEA Date: 5/7/2012 Chain of Custody Number: 15129

Address: 720 Olive Way Suite 1900 Telephone Number (Area Code/Fax Number): 206-287-9130 / 206-287-9131 Lab Number: _____ Page 4 of 5

City: Seattle State: WA Zip Code: 98101 Sampler: KCL/NS Lab Contact: _____

Project Name and Location (State): Jeld Wen Surface Sediment WA Billing Contact: Norman Socorsky

Contract/Purchase Order/Quote No.: 12MD9-0101 Matrix: _____ Containers & Preservatives: _____

Special Instructions/Conditions of Receipt: _____

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives					Archive	Analysis (Attach list if more space is needed)		
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl			NaOH	ZnAc/NaOH
33 JW-EA02-SS06-1205 (1)	5/7/12	14:56	X											
34 JW-EA02-SS07-1205 (1)	5/7/12	15:11	X											
35 JW-EA02-SS08-1205 (1)	5/7/12	14:47	X											
36 JW-EA02-CAMP-1205 (1)	5/7/12	17:10	X											
37 JW-EA04-SS13-1205 (1)	5/7/12	12:55	X											
38 JW-EA04-SS14-1205 (1)	5/7/12	12:40	X											
39 JW-EA04-SS14-1205 (1)	5/7/12	12:50	X											
40 JW-EA04-SS15-1205 (1)	5/7/12	12:30	X											
41 JW-EA04-CAMP-1205 (1)	5/7/12	17:25	X											
42 JW-EA01-SS03-1205 (2)	5/7/12	15:10	X											
43 JW-EA01-SS04-1205 (2)	5/7/12	15:00	X											
44 JW-EA01-SS01-1205 (2)	5/7/12	15:22	X											

QC Requirements (Specify): _____

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

1. Relinquished By Sign/Print: Andrew OEA Date: 5/8/12 Time: 12:10pm

2. Relinquished By Sign/Print: Francisco Luna Jr Date: 5/8/12 Time: 12:16

3. Relinquished By Sign/Print: _____ Date: _____ Time: _____

Comments: _____



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 5 of 5

Lab Contact:		Project: Jeld Wen		Analyses Requested							Notes/ Comments:	
Lab: Test America		Surface Sediment		Ts/TDL/BC/Archive PAH	Ts/TDC/BC/GS/PAH	Archive	PAH					
Address: 5755 8 th Street E.		Proj. No.: 120909-01.01										
City, etc.: Tacoma WA 98424		Sampler: KL/NS										
Phone: 253-922-2310		Shipping Method:										
Fax: 253-922-5047		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
45 JW-EA01-SS02	1205 5/7/12	15:15	Sed	2	X							
46 JW-EA01-COMP	1205 5/7/12	17:39	Sed	2		X						
47 JW-EA09-SS37	1205 5/7/12	13:46	Sed	1			X					
48 JW-EA09-SS34	1205 5/7/12	14:11	Sed	2			X					
49 JW-EA09-SS38	1205 5/7/12	13:50	Sed	1			X					
50 JW-EA09-SS36	1205 5/7/12	14:01	Sed	1			X					
51 JW-EA09-SS33	1205 5/7/12	13:24	Sed	1			X					
52 JW-EA09-SS35	1205 5/7/12	13:36	Sed	1			X					
53 JW-EA09-COMP	1205 5/7/12	18:03	Sed	2		X						
54 JW-RB-1205	5/7/12	17:58		1			X					
55 JW-FB-1205	5/7/12	19:00		1			X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
<i>C. Field</i>			# of Coolers:	Cooler Temp(s):
Printed Name: Cindy Field S	Printed Name:	Printed Name:		
Company: AQEA	Company:	Company:		
Date/Time: 5/8/2012 12:16pm	Date/Time:	Date/Time:		
Received By: <i>[Signature]</i>	Received By:	Received By:		
Printed Name: FRANCISCO LUAGA	Printed Name:	Printed Name:		
Company: TA-SEA	Company:	Company:		
Date/Time: 5/8/12 12/6	Date/Time:	Date/Time:	COC Seals Intact?	Bottles Intact?

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 580-32803-3

Login Number: 32803
List Number: 1
Creator: Blankinship, Tom

List Source: TestAmerica Seattle

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	two coolers out of temp
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	ID of sample -20
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

ANALYTICAL REPORT

Job Number: 580-32844-1

Job Description: Jeld-Wen Surface Sediment

For:
Anchor QEA LLC
720 Olive Way
Suite 1900
Seattle, WA 98101
Attention: Cindy Fields



Approved for release.
Pam R Johnson
Project Manager I
6/18/2012 11:06 AM

Pam R Johnson
Project Manager I
pamr.johnson@testamericainc.com
06/18/2012

cc: Lab Data
Niki Masters

TestAmerica Tacoma is a part of TestAmerica Laboratories, Inc.

This report is issued solely for the use of the person or company to whom it is addressed. Any use, copying or disclosure other than by the intended recipient is unauthorized. If you have received this report in error, please notify the sender immediately at 253-922-2310 and destroy this report immediately.

This report shall not be reproduced except in full, without prior express written approval by the laboratory. The results relate only to the item(s) tested and the sample(s) as received by the laboratory.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

TestAmerica Laboratories, Inc.

TestAmerica Seattle 5755 8th Street East, Tacoma, WA 98424
Tel (253) 922-2310 Fax (253) 922-5047 www.testamericainc.com



Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Manual Integration Summary	6
Sample Summary	11
Method Summary	12
Sample Datasheets	13
Surrogate Summary	22
QC Data Summary	24
Data Qualifiers	28
QC Association Summary	29
Lab Chronicle	30
Reagent Traceability	32
Certification Summary	54
Organic Sample Data	55
GC/MS Semi VOA	55
Method 8270C SIM	55
Method 8270C SIM QC Summary	56
Method 8270C SIM Sample Data	66
Standards Data	124
Method 8270C SIM ICAL Data	124
Method 8270C SIM CCAL Data	181
Raw QC Data	193
Method 8270C SIM Tune Data	193
Method 8270C SIM Blank Data	203
Method 8270C SIM LCS/LCSD Data	206

Table of Contents

Method 8270C SIM Run Logs	211
Method 8270C SIM Prep Data	213
Inorganic Sample Data	214
General Chemistry Data	214
Gen Chem Cover Page	215
Gen Chem Sample Data	217
Gen Chem QC Data	223
Gen Chem ICV/CCV	223
Gen Chem Blanks	225
Gen Chem LCS/LCSD	227
Gen Chem MDL	229
Gen Chem Analysis Run Log	234
Gen Chem Raw Data	238
Gen Chem Prep Data	290
Geo Cover Page	294
Geo Sample Data	295
Subcontracted Data	301
Shipping and Receiving Documents	302
Client Chain of Custody	303
Sample Receipt Checklist	304

CASE NARRATIVE

Client: Anchor QEA LLC
Project: Jeld-Wen Surface Sediment
Report Number: 580-32844-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 05/09/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.1° C, 4.8° C, 5.8° C and 5.9° C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

POLYCYCLIC AROMATIC HYDROCARBONS (PAHS)

Samples JW-UR-COMP-120508 (580-32844-5), JW-DR-COMP-120508 (580-32844-10) and JW-RG-COMP-120508 (580-32844-15) were analyzed for polycyclic aromatic hydrocarbons (PAHs) in accordance with EPA SW-846 Method 8270C SIM. The samples were prepared on 05/18/2012 and analyzed on 05/25/2012.

No difficulties were encountered during the PAH analyses.

All quality control parameters were within the acceptance limits.

PUGET SOUND ESTUARY PROGRAM TOTAL ORGANIC CARBON

Samples JW-UR-COMP-120508 (580-32844-5), JW-DR-COMP-120508 (580-32844-10) and JW-RG-COMP-120508 (580-32844-15) were analyzed for Puget Sound Estuary Program total organic carbon in accordance with EPA SW-846 Method 9060, modified to meet the Puget Sound Estuary Program requirements. The samples were analyzed on 06/11/2012.

Due to high sample volume, not all samples could be run within hold. Samples were frozen to extend their hold time and run when instrument capacity was available.

No other difficulties were encountered during the PSEP TOC analyses.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples JW-UR-COMP-120508 (580-32844-5), JW-DR-COMP-120508 (580-32844-10) and JW-RG-COMP-120508 (580-32844-15) were analyzed for percent solids in accordance with ASTM D2216. The samples were analyzed on 05/21/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

GRAIN SIZE

Samples JW-UR-COMP-120508 (580-32844-5), JW-DR-COMP-120508 (580-32844-10) and JW-RG-COMP-120508 (580-32844-15) were analyzed for grain size in accordance with D422. The samples were analyzed on 06/08/2012.

No difficulties were encountered during the grain size analyses.

All quality control parameters were within the acceptance limits.

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Instrument ID: TAC023 Analysis Batch Number: 110125Lab Sample ID: IC 580-110125/3 Client Sample ID: _____Date Analyzed: 04/26/12 16:06 Lab File ID: HP27815.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.29	Assign Peak	tadesseb	04/26/12 18:10
Naphthalene	4.88	Assign Peak	tadesseb	04/26/12 18:10
2,4,6-Tribromophenol	6.95	Assign Peak	tadesseb	04/26/12 18:10
Indeno[1,2,3-cd]pyrene	13.23	Assign Peak	tadesseb	04/26/12 18:10

Lab Sample ID: IC 580-110125/4 Client Sample ID: _____Date Analyzed: 04/26/12 16:28 Lab File ID: HP27816.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.29	Assign Peak	tadesseb	04/26/12 18:09
2,4,6-Tribromophenol	6.94	Assign Peak	tadesseb	04/26/12 18:09
Pentachlorophenol	7.36	Baseline	tadesseb	05/02/12 12:10
Indeno[1,2,3-cd]pyrene	13.23	Assign Peak	tadesseb	04/26/12 18:09

Lab Sample ID: IC 580-110125/5 Client Sample ID: _____Date Analyzed: 04/26/12 16:50 Lab File ID: HP27817.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,6-Tribromophenol	6.95	Assign Peak	tadesseb	04/26/12 18:08
Pentachlorophenol	7.36	Baseline	tadesseb	05/02/12 12:11
Indeno[1,2,3-cd]pyrene	13.23	Baseline	tadesseb	04/26/12 18:08

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Instrument ID: TAC023 Analysis Batch Number: 110125Lab Sample ID: IC 580-110125/6 Client Sample ID: _____Date Analyzed: 04/26/12 17:11 Lab File ID: HP27818.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.29	Assign Peak	tadesseb	04/26/12 18:07
2,4,6-Tribromophenol	6.95	Assign Peak	tadesseb	04/26/12 18:07
Pentachlorophenol	7.36	Baseline	tadesseb	05/02/12 12:12

Lab Sample ID: ICIS 580-110125/7 Client Sample ID: _____Date Analyzed: 04/26/12 17:33 Lab File ID: HP27819.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.29	Assign Peak	tadesseb	04/26/12 18:06
2,4,6-Tribromophenol	6.95	Assign Peak	tadesseb	04/26/12 18:06
Pentachlorophenol	7.36	Baseline	tadesseb	05/02/12 12:12

Lab Sample ID: IC 580-110125/8 Client Sample ID: _____Date Analyzed: 04/26/12 17:55 Lab File ID: HP27820.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.29	Assign Peak	tadesseb	04/26/12 18:15
2,4,6-Tribromophenol	6.94	Assign Peak	tadesseb	04/26/12 18:15
Pentachlorophenol	7.36	Baseline	tadesseb	04/26/12 18:15

Lab Sample ID: IC 580-110125/9 Client Sample ID: _____Date Analyzed: 04/26/12 18:16 Lab File ID: HP27821.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.29	Assign Peak	tadesseb	04/27/12 10:19
Pentachlorophenol	7.36	Baseline	tadesseb	04/27/12 10:19
Indeno[1,2,3-cd]pyrene	13.23	Baseline	tadesseb	04/27/12 10:21

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Instrument ID: TAC023 Analysis Batch Number: 110125Lab Sample ID: IC 580-110125/10 Client Sample ID: _____Date Analyzed: 04/26/12 18:38 Lab File ID: HP27822.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pentachlorophenol	7.36	Baseline	tadesseb	04/27/12 10:20
Indeno[1,2,3-cd]pyrene	13.24	Baseline	tadesseb	04/27/12 10:21

Lab Sample ID: ICV 580-110125/11 Client Sample ID: _____Date Analyzed: 04/26/12 19:00 Lab File ID: HP27823.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pentachlorophenol	7.36	Baseline	tadesseb	05/02/12 12:00

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Instrument ID: TAC023 Analysis Batch Number: 112072Lab Sample ID: CCVIS 580-112072/2 Client Sample ID: _____Date Analyzed: 05/25/12 10:24 Lab File ID: HP28005.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,6-Tribromophenol	6.92	Assign Peak	tadesseb	05/25/12 11:53
Pentachlorophenol	7.33	Assign Peak	tadesseb	05/25/12 11:53
Indeno[1,2,3-cd]pyrene	13.15	Baseline	tadesseb	05/25/12 11:53

Lab Sample ID: LCS 580-111684/2-A Client Sample ID: _____Date Analyzed: 05/25/12 12:12 Lab File ID: HP28007.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	13.16	Baseline	tadesseb	05/25/12 12:52

Lab Sample ID: 580-32844-5 Client Sample ID: JW-UR-COMP-120508Date Analyzed: 05/25/12 14:22 Lab File ID: HP28013.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.91	Baseline	tadesseb	05/25/12 16:21
Benzo[k]fluoranthene	10.94	Baseline	tadesseb	05/25/12 16:21
Dibenz(a,h)anthracene	13.20	Baseline	tadesseb	05/25/12 16:21

Lab Sample ID: 580-32844-10 Client Sample ID: JW-DR-COMP-120508Date Analyzed: 05/25/12 14:44 Lab File ID: HP28014.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.91	Baseline	tadesseb	05/25/12 16:22
Benzo[k]fluoranthene	10.94	Baseline	tadesseb	05/25/12 16:22

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Instrument ID: TAC023 Analysis Batch Number: 112072Lab Sample ID: 580-32844-15 Client Sample ID: JW-RG-COMP-120508Date Analyzed: 05/25/12 15:06 Lab File ID: HP28015.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.91	Baseline	tadesseb	05/25/12 16:24
Benzo[k]fluoranthene	10.94	Baseline	tadesseb	05/25/12 16:24

SAMPLE SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32844-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-32844-1	JW-UR-SS47-120508	Solid	05/08/2012 1134	05/09/2012 1515
580-32844-2	JW-UR-SS46-120508	Solid	05/08/2012 1126	05/09/2012 1515
580-32844-3	JW-UR-SS45-120508	Solid	05/08/2012 1111	05/09/2012 1515
580-32844-4	JW-UR-SS44-120508	Solid	05/08/2012 1057	05/09/2012 1515
580-32844-5	JW-UR-COMP-120508	Solid	05/08/2012 1412	05/09/2012 1515
580-32844-6	JW-DR-SS48-120508	Solid	05/08/2012 1016	05/09/2012 1515
580-32844-7	JW-DR-SS49-120508	Solid	05/08/2012 1120	05/09/2012 1515
580-32844-8	JW-DR-SS50-120508	Solid	05/08/2012 1140	05/09/2012 1515
580-32844-9	JW-DR-SS51-120508	Solid	05/08/2012 1150	05/09/2012 1515
580-32844-10	JW-DR-COMP-120508	Solid	05/08/2012 1432	05/09/2012 1515
580-32844-11	JW-RG-SS52-120508	Solid	05/08/2012 1205	05/09/2012 1515
580-32844-12	JW-RG-SS55-120508	Solid	05/08/2012 1221	05/09/2012 1515
580-32844-13	JW-RG-SS53-120508	Solid	05/08/2012 1210	05/09/2012 1515
580-32844-14	JW-RG-SS54-120508	Solid	05/08/2012 1222	05/09/2012 1515
580-32844-15	JW-RG-COMP-120508	Solid	05/08/2012 1728	05/09/2012 1515

METHOD SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32844-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Semivolatile Organic Compounds (GC/MS SIM)	TAL SEA	SW846 8270C SIM	
Ultrasonic Extraction	TAL SEA		SW846 3550B
TOC (Puget Sound)	TAL SEA	PSEP 9060_PSEP	
Percent Moisture	TAL SEA	ASTM D 2216	
Black Carbon (Lloyd Kahn)	TAL BUR	EPA Lloyd Kahn	
Auto LabComplete Method for Specialized Pricing in US-Steel	TAL SEA	AutoGenChem	

Lab References:

TAL BUR = TestAmerica Burlington

TAL SEA = TestAmerica Seattle

Method References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

PSEP = Puget Sound Estuary Program

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32844-1

Client Sample ID: JW-UR-COMP-120508

Lab Sample ID: 580-32844-5

Date Sampled: 05/08/2012 1412

Client Matrix: Solid

% Moisture: 46.2

Date Received: 05/09/2012 1515

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	580-112072	Instrument ID:	TAC023
Prep Method:	3550B	Prep Batch:	580-111684	Lab File ID:	HP28013.D
Dilution:	1.0			Initial Weight/Volume:	20.9473 g
Analysis Date:	05/25/2012 1422			Final Weight/Volume:	2 mL
Prep Date:	05/18/2012 1430			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		1.3		0.36	0.89
2-Methylnaphthalene		0.41	J	0.36	0.89
1-Methylnaphthalene		0.28	J	0.27	0.89
Acenaphthylene		1.6		0.27	0.89
Acenaphthene		0.32	J	0.27	0.89
Fluorene		0.66	J	0.27	0.89
Phenanthrene		3.4		0.27	0.89
Anthracene		2.5		0.27	0.89
Fluoranthene		20		0.27	0.89
Pyrene		16		0.27	0.89
Benzo[a]anthracene		10		0.27	0.89
Chrysene		17		0.27	0.89
Benzo[b]fluoranthene		13		0.27	0.89
Benzo[k]fluoranthene		5.2		0.27	0.89
Benzo[a]pyrene		8.2		0.27	0.89
Indeno[1,2,3-cd]pyrene		4.4		0.27	0.89
Dibenz(a,h)anthracene		0.95		0.27	0.89
Benzo[g,h,i]perylene		3.3		0.27	0.89

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	74		42 - 151

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32844-1

Client Sample ID: JW-DR-COMP-120508

Lab Sample ID: 580-32844-10

Date Sampled: 05/08/2012 1432

Client Matrix: Solid

% Moisture: 49.8

Date Received: 05/09/2012 1515

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	580-112072	Instrument ID:	TAC023
Prep Method:	3550B	Prep Batch:	580-111684	Lab File ID:	HP28014.D
Dilution:	1.0			Initial Weight/Volume:	20.0203 g
Analysis Date:	05/25/2012 1444			Final Weight/Volume:	2 mL
Prep Date:	05/18/2012 1430			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		ND		0.40	0.99
2-Methylnaphthalene		ND		0.40	0.99
1-Methylnaphthalene		ND		0.30	0.99
Acenaphthylene		ND		0.30	0.99
Acenaphthene		ND		0.30	0.99
Fluorene		ND		0.30	0.99
Phenanthrene		0.76	J	0.30	0.99
Anthracene		0.36	J	0.30	0.99
Fluoranthene		1.7		0.30	0.99
Pyrene		1.6		0.30	0.99
Benzo[a]anthracene		0.85	J	0.30	0.99
Chrysene		1.7		0.30	0.99
Benzo[b]fluoranthene		1.6		0.30	0.99
Benzo[k]fluoranthene		0.59	J	0.30	0.99
Benzo[a]pyrene		0.98	J	0.30	0.99
Indeno[1,2,3-cd]pyrene		0.69	J	0.30	0.99
Dibenz(a,h)anthracene		ND		0.30	0.99
Benzo[g,h,i]perylene		0.55	J	0.30	0.99

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	65		42 - 151

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32844-1

Client Sample ID: JW-RG-COMP-120508

Lab Sample ID: 580-32844-15

Date Sampled: 05/08/2012 1728

Client Matrix: Solid

% Moisture: 36.5

Date Received: 05/09/2012 1515

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	580-112072	Instrument ID:	TAC023
Prep Method:	3550B	Prep Batch:	580-111684	Lab File ID:	HP28015.D
Dilution:	1.0			Initial Weight/Volume:	20.3033 g
Analysis Date:	05/25/2012 1506			Final Weight/Volume:	2 mL
Prep Date:	05/18/2012 1430			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		ND		0.31	0.78
2-Methylnaphthalene		ND		0.31	0.78
1-Methylnaphthalene		ND		0.23	0.78
Acenaphthylene		0.29	J	0.23	0.78
Acenaphthene		ND		0.23	0.78
Fluorene		ND		0.23	0.78
Phenanthrene		2.0		0.23	0.78
Anthracene		0.77	J	0.23	0.78
Fluoranthene		4.9		0.23	0.78
Pyrene		4.6		0.23	0.78
Benzo[a]anthracene		2.7		0.23	0.78
Chrysene		3.9		0.23	0.78
Benzo[b]fluoranthene		3.6		0.23	0.78
Benzo[k]fluoranthene		1.3		0.23	0.78
Benzo[a]pyrene		2.3		0.23	0.78
Indeno[1,2,3-cd]pyrene		1.3		0.23	0.78
Dibenz(a,h)anthracene		ND		0.23	0.78
Benzo[g,h,i]perylene		1.0		0.23	0.78

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	69		42 - 151

Client: Anchor QEA LLC

Job Number: 580-32844-1

General Chemistry

Client Sample ID: JW-UR-COMP-120508

Lab Sample ID: 580-32844-5

Date Sampled: 05/08/2012 1412

Client Matrix: Solid

Date Received: 05/09/2012 1515

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	20000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113152		Analysis Date: 06/11/2012 1902				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	54		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111760		Analysis Date: 05/21/2012 1439				DryWt Corrected: N
Percent Moisture	46		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111760		Analysis Date: 05/21/2012 1439				DryWt Corrected: N
Black Carbon	1300		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39415		Analysis Date: 05/29/2012 1235				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32844-1

General Chemistry

Client Sample ID: JW-DR-COMP-120508

Lab Sample ID: 580-32844-10

Date Sampled: 05/08/2012 1432

Client Matrix: Solid

Date Received: 05/09/2012 1515

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	20000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113152		Analysis Date: 06/11/2012 1906				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	50		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111762		Analysis Date: 05/21/2012 1518				DryWt Corrected: N
Percent Moisture	50		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111762		Analysis Date: 05/21/2012 1518				DryWt Corrected: N
Black Carbon	1400		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39415		Analysis Date: 05/29/2012 1248				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32844-1

General Chemistry

Client Sample ID: JW-RG-COMP-120508

Lab Sample ID: 580-32844-15

Date Sampled: 05/08/2012 1728

Client Matrix: Solid

Date Received: 05/09/2012 1515

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	23000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113152		Analysis Date: 06/11/2012 1910				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	64		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111762		Analysis Date: 05/21/2012 1518				DryWt Corrected: N
Percent Moisture	36		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111762		Analysis Date: 05/21/2012 1518				DryWt Corrected: N
Black Carbon	1200		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39415		Analysis Date: 05/29/2012 1301				DryWt Corrected: N

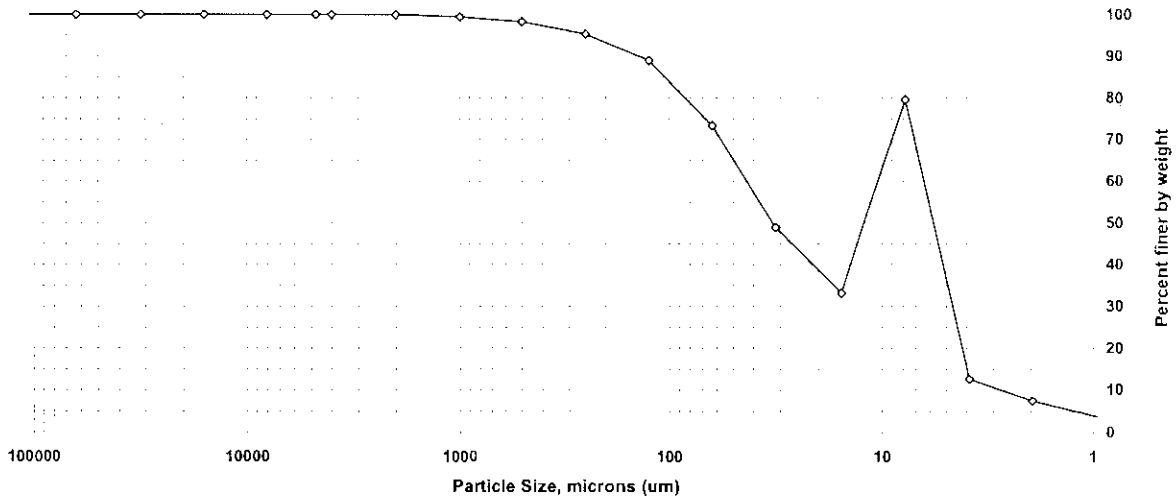


Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-UR-COMP-120508
 Lab ID: 580-32844-A-5

Percent Solids: 54%
 Specific Gravity: 2.650

Date Received: 5/8/2012
 Start Date: 6/8/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	100.0	0.0
#10	2000	99.9	0.1
#18	1000	99.4	0.5
#35	500	98.3	1.1
#60	250	95.3	3.0
#120	125	88.9	6.4
#230	63	73.3	15.6
Phi Size 4 to 5	31.42	49.0	24.3
Phi Size 5 to 6	15.6	33.2	15.8
Phi Size 6 to 7	7.8	79.6	-46.4
Phi Size 7 to 8	3.9	12.6	67.0
Phi Size 8 to 9	1.95	7.5	5.1
Phi Size 9 to 10	0.98	3.9	3.6
Phi Size 10 to 11	0.49	0.0	3.9
>Phi Size 11	<0.98	0.0	0.0

Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	0.1
Sand	27
Very Coarse Sand	0.5
Coarse Sand	1.1
Medium Sand	3.0
Fine Sand	6.4
Very Fine Sand	15.6
Silt	61
Coarse Silt	24.3
Medium Silt	15.8
Fine Silt	-46.4
Very Fine Silt	67.0
Clay	13
Coarse Clay	5.1
Medium Clay	3.6
Fine Clay	3.9

Percent finer by weight

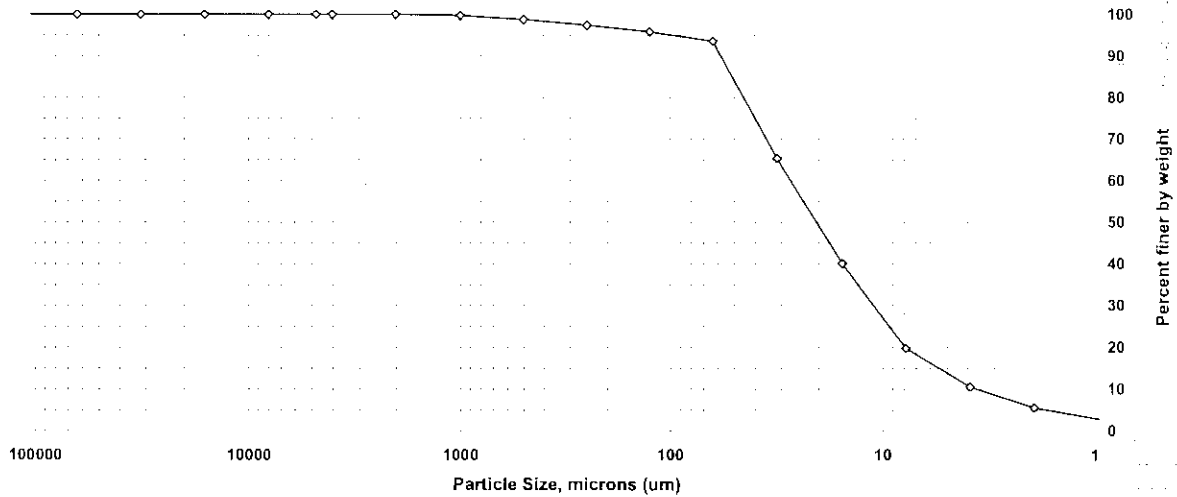
Particle Size, microns (um)

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-DR-COMP-120508
 Lab ID: 580-32844-A-10

Percent Solids: 50%
 Specific Gravity: 2.650

Date Received: 5/8/2012
 Start Date: 6/8/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	100.0	0.0
#10	2000	100.0	0.0
#18	1000	99.7	0.3
#35	500	98.8	0.9
#60	250	97.4	1.4
#120	125	95.8	1.6
#230	63	93.5	2.3
Phi Size 4 to 5	31.42	65.3	28.2
Phi Size 5 to 6	15.6	40.1	25.3
Phi Size 6 to 7	7.8	19.8	20.3
Phi Size 7 to 8	3.9	10.5	9.3
Phi Size 8 to 9	1.95	5.6	4.9
Phi Size 9 to 10	0.98	3.0	2.6
Phi Size 10 to 11	0.49	0.0	3.0
>Phi Size 11	<0.98	0.0	0.0

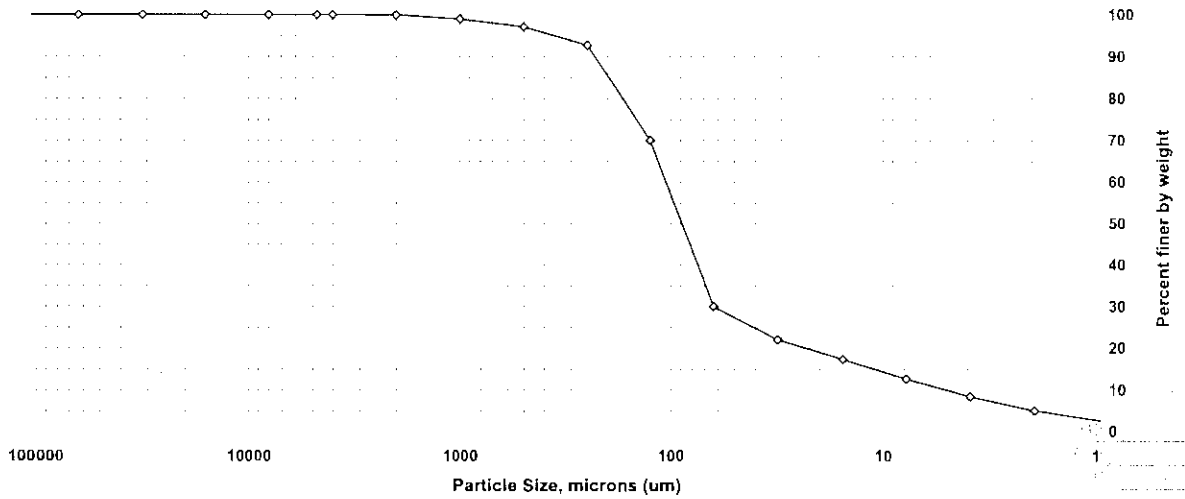
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	0.0
Sand	6.5
Very Coarse Sand	0.3
Coarse Sand	0.9
Medium Sand	1.4
Fine Sand	1.6
Very Fine Sand	2.3
Silt	83
Coarse Silt	28.2
Medium Silt	25.3
Fine Silt	20.3
Very Fine Silt	9.3
Clay	10
Coarse Clay	4.9
Medium Clay	2.6
Fine Clay	3.0

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-RG-COMP-120508
 Lab ID: 580-32844-A-15

Percent Solids: 64%
 Specific Gravity: 2.650

Date Received: 5/8/2012
 Start Date: 6/8/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	100.0	0.0
#10	2000	99.9	0.1
#18	1000	99.0	0.9
#35	500	97.1	1.9
#60	250	92.7	4.4
#120	125	70.0	22.7
#230	63	30.0	40.0
Phi Size 4 to 5	31.42	22.1	7.9
Phi Size 5 to 6	15.6	17.4	4.7
Phi Size 6 to 7	7.8	12.7	4.7
Phi Size 7 to 8	3.9	8.5	4.2
Phi Size 8 to 9	1.95	5.1	3.3
Phi Size 9 to 10	0.98	2.8	2.3
Phi Size 10 to 11	0.49	0.0	2.8
>Phi Size 11	<0.98	0.0	0.0

Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	0.1
Sand	70
Very Coarse Sand	0.9
Coarse Sand	1.9
Medium Sand	4.4
Fine Sand	22.7
Very Fine Sand	40.0
Silt	22
Coarse Silt	7.9
Medium Silt	4.7
Fine Silt	4.7
Very Fine Silt	4.2
Clay	8.5
Coarse Clay	3.3
Medium Clay	2.3
Fine Clay	2.8

Client: Anchor QEA LLC

Job Number: 580-32844-1

Surrogate Recovery Report

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
LCS 580-111684/2-A		87	72	70

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	38-141
FBP = 2-Fluorobiphenyl	42-140
TPH = Terphenyl-d14	42-151

Client: Anchor QEA LLC

Job Number: 580-32844-1

Surrogate Recovery Report

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TPH %Rec
580-32844-5	JW-UR-COMP-12050 8	74
580-32844-10	JW-DR-COMP-12050 8	65
580-32844-15	JW-RG-COMP-12050 8	69
MB 580-111684/1-A		74

Surrogate	Acceptance Limits
TPH = Terphenyl-d14	42-151

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32844-1

Method Blank - Batch: 580-111684

**Method: 8270C SIM
Preparation: 3550B**

Lab Sample ID: MB 580-111684/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/25/2012 1151
 Prep Date: 05/18/2012 1429
 Leach Date: N/A

Analysis Batch: 580-112072
 Prep Batch: 580-111684
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: TAC023
 Lab File ID: HP28006.D
 Initial Weight/Volume: 20 g
 Final Weight/Volume: 2 mL
 Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Naphthalene	ND		0.20	0.50
2-Methylnaphthalene	ND		0.20	0.50
1-Methylnaphthalene	ND		0.15	0.50
Acenaphthylene	ND		0.15	0.50
Acenaphthene	ND		0.15	0.50
Fluorene	ND		0.15	0.50
Phenanthrene	ND		0.15	0.50
Anthracene	ND		0.15	0.50
Fluoranthene	ND		0.15	0.50
Pyrene	ND		0.15	0.50
Benzo[a]anthracene	ND		0.15	0.50
Chrysene	ND		0.15	0.50
Benzo[b]fluoranthene	ND		0.15	0.50
Benzo[k]fluoranthene	ND		0.15	0.50
Benzo[a]pyrene	ND		0.15	0.50
Indeno[1,2,3-cd]pyrene	ND		0.15	0.50
Dibenz(a,h)anthracene	ND		0.15	0.50
Benzo[g,h,i]perylene	ND		0.15	0.50
Surrogate	% Rec		Acceptance Limits	
Terphenyl-d14	74		42 - 151	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32844-1

Lab Control Sample - Batch: 580-111684

**Method: 8270C SIM
Preparation: 3550B**

Lab Sample ID: LCS 580-111684/2-A	Analysis Batch: 580-112072	Instrument ID: TAC023
Client Matrix: Solid	Prep Batch: 580-111684	Lab File ID: HP28007.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 20 g
Analysis Date: 05/25/2012 1212	Units: ug/Kg	Final Weight/Volume: 2 mL
Prep Date: 05/18/2012 1429		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Naphthalene	100	89.4	89	64 - 129	
2-Methylnaphthalene	100	85.5	85	65 - 125	
1-Methylnaphthalene	100	85.5	85	48 - 148	
Acenaphthylene	99.9	93.6	94	69 - 129	
Acenaphthene	100	89.6	89	65 - 130	
Fluorene	100	91.6	91	68 - 128	
Phenanthrene	100	90.4	90	65 - 125	
Anthracene	100	88.1	88	73 - 123	
Fluoranthene	100	94.7	95	61 - 121	
Pyrene	100	93.5	93	54 - 134	
Benzo[a]anthracene	100	93.6	94	64 - 124	
Chrysene	100	90.5	90	71 - 126	
Benzo[b]fluoranthene	100	97.1	97	66 - 136	
Benzo[k]fluoranthene	100	109	109	63 - 143	
Benzo[a]pyrene	100	97.4	97	68 - 128	
Indeno[1,2,3-cd]pyrene	100	84.6	85	59 - 139	
Dibenz(a,h)anthracene	99.9	87.8	88	57 - 142	
Benzo[g,h,i]perylene	100	80.9	81	57 - 142	
Surrogate		% Rec		Acceptance Limits	
Nitrobenzene-d5		87		38 - 141	
2-Fluorobiphenyl		72		42 - 140	
Terphenyl-d14		70		42 - 151	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32844-1

Method Blank - Batch: 580-113152

Method: 9060_PSEP

Preparation: N/A

Lab Sample ID:	MB 580-113152/3	Analysis Batch:	580-113152	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	06/11/2012 1809	Units:	mg/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		610	2000

Lab Control Sample - Batch: 580-113152

Method: 9060_PSEP

Preparation: N/A

Lab Sample ID:	LCS 580-113152/4	Analysis Batch:	580-113152	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	06/11/2012 1811	Units:	mg/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	2720	2830	104	34 - 166	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32844-1

Method Blank - Batch: 200-39415

Method: Lloyd Kahn

Preparation: N/A

Lab Sample ID: MB 200-39415/3
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/29/2012 1209
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 200-39415
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: WCCH2
 Lab File ID: 052912A003
 Initial Weight/Volume: 1.0 g
 Final Weight/Volume: 1.0 g

Analyte	Result	Qual	RL	RL
Black Carbon	ND		1000	1000

Lab Control Sample - Batch: 200-39415

Method: Lloyd Kahn

Preparation: N/A

Lab Sample ID: LCS 200-39415/4
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/29/2012 1222
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 200-39415
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: WCCH2
 Lab File ID: 052912A005
 Initial Weight/Volume: 1.0 g
 Final Weight/Volume: 1.0 g

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Black Carbon	9900	13100	132	50 - 150	

DATA REPORTING QUALIFIERS

Client: Anchor QEA LLC

Job Number: 580-32844-1

Lab Section	Qualifier	Description
GC/MS Semi VOA	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32844-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS Semi VOA					
Prep Batch: 580-111684					
LCS 580-111684/2-A	Lab Control Sample	T	Solid	3550B	
MB 580-111684/1-A	Method Blank	T	Solid	3550B	
580-32844-5	JW-UR-COMP-120508	T	Solid	3550B	
580-32844-10	JW-DR-COMP-120508	T	Solid	3550B	
580-32844-15	JW-RG-COMP-120508	T	Solid	3550B	
Analysis Batch:580-112072					
LCS 580-111684/2-A	Lab Control Sample	T	Solid	8270C SIM	580-111684
MB 580-111684/1-A	Method Blank	T	Solid	8270C SIM	580-111684
580-32844-5	JW-UR-COMP-120508	T	Solid	8270C SIM	580-111684
580-32844-10	JW-DR-COMP-120508	T	Solid	8270C SIM	580-111684
580-32844-15	JW-RG-COMP-120508	T	Solid	8270C SIM	580-111684
Report Basis					
T = Total					
General Chemistry					
Analysis Batch:200-39415					
LCS 200-39415/4	Lab Control Sample	T	Solid	Lloyd Kahn	
MB 200-39415/3	Method Blank	T	Solid	Lloyd Kahn	
580-32844-5	JW-UR-COMP-120508	T	Solid	Lloyd Kahn	
580-32844-10	JW-DR-COMP-120508	T	Solid	Lloyd Kahn	
580-32844-15	JW-RG-COMP-120508	T	Solid	Lloyd Kahn	
Analysis Batch:580-111760					
580-32844-5	JW-UR-COMP-120508	T	Solid	D 2216	
Analysis Batch:580-111762					
580-32844-10	JW-DR-COMP-120508	T	Solid	D 2216	
580-32844-15	JW-RG-COMP-120508	T	Solid	D 2216	
Analysis Batch:580-113152					
LCS 580-113152/4	Lab Control Sample	T	Solid	9060_PSEP	
MB 580-113152/3	Method Blank	T	Solid	9060_PSEP	
580-32844-5	JW-UR-COMP-120508	T	Solid	9060_PSEP	
580-32844-10	JW-DR-COMP-120508	T	Solid	9060_PSEP	
580-32844-15	JW-RG-COMP-120508	T	Solid	9060_PSEP	

Report Basis

T = Total

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32844-1

Laboratory Chronicle

Lab ID: 580-32844-5

Client ID: JW-UR-COMP-120508

Sample Date/Time: 05/08/2012 14:12

Received Date/Time: 05/09/2012 15:15

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3550B	580-32844-C-5-A		580-112072	580-111684	05/18/2012	14:30	1	TAL SEA	SP
A:8270C SIM	580-32844-C-5-A		580-112072	580-111684	05/25/2012	14:22	1	TAL SEA	BT
A:9060_PSEP	580-32844-A-5		580-113152		06/11/2012	19:02	1	TAL SEA	AM
A:D 2216	580-32844-C-5		580-111760		05/21/2012	14:39	1	TAL SEA	EZ
A:Lloyd Kahn	580-32844-A-5		200-39415		05/29/2012	12:35	1	TAL BUR	AJN

Lab ID: 580-32844-10

Client ID: JW-DR-COMP-120508

Sample Date/Time: 05/08/2012 14:32

Received Date/Time: 05/09/2012 15:15

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3550B	580-32844-C-10-A		580-112072	580-111684	05/18/2012	14:30	1	TAL SEA	SP
A:8270C SIM	580-32844-C-10-A		580-112072	580-111684	05/25/2012	14:44	1	TAL SEA	BT
A:9060_PSEP	580-32844-A-10		580-113152		06/11/2012	19:06	1	TAL SEA	AM
A:D 2216	580-32844-C-10		580-111762		05/21/2012	15:18	1	TAL SEA	EZ
A:Lloyd Kahn	580-32844-A-10		200-39415		05/29/2012	12:48	1	TAL BUR	AJN

Lab ID: 580-32844-15

Client ID: JW-RG-COMP-120508

Sample Date/Time: 05/08/2012 17:28

Received Date/Time: 05/09/2012 15:15

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3550B	580-32844-C-15-A		580-112072	580-111684	05/18/2012	14:30	1	TAL SEA	SP
A:8270C SIM	580-32844-C-15-A		580-112072	580-111684	05/25/2012	15:06	1	TAL SEA	BT
A:9060_PSEP	580-32844-A-15		580-113152		06/11/2012	19:10	1	TAL SEA	AM
A:D 2216	580-32844-C-15		580-111762		05/21/2012	15:18	1	TAL SEA	EZ
A:Lloyd Kahn	580-32844-A-15		200-39415		05/29/2012	13:01	1	TAL BUR	AJN

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3550B	MB 580-111684/1-A		580-112072	580-111684	05/18/2012	14:29	1	TAL SEA	SP
A:8270C SIM	MB 580-111684/1-A		580-112072	580-111684	05/25/2012	11:51	1	TAL SEA	BT
A:9060_PSEP	MB 580-113152/3		580-113152		06/11/2012	18:09	1	TAL SEA	AM
A:Lloyd Kahn	MB 200-39415/3		200-39415		05/29/2012	12:09	1	TAL BUR	AJN

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32844-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	LCS 580-111684/2-A		580-112072	580-111684	05/18/2012 14:29	1	TAL SEA	SP
A:8270C SIM	LCS 580-111684/2-A		580-112072	580-111684	05/25/2012 12:12	1	TAL SEA	BT
A:9060_PSEP	LCS 580-113152/4		580-113152		06/11/2012 18:11	1	TAL SEA	AM
A:Lloyd Kahn	LCS 200-39415/4		200-39415		05/29/2012 12:22	1	TAL BUR	AJN

Lab References:

TAL BUR = TestAmerica Burlington

TAL SEA = TestAmerica Seattle

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
8270 ARC Surr_00003	04/30/13	05/01/12	DCM/Acetone, Lot 849732	50 mL	8270Surr_00043	10 mL	2,4,6-Tribromophenol	40 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							2-Fluorophenol	40 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Phenol-d5	40 ug/mL
.8270Surr_00043	04/30/13		Ultra, Lot CG-1103		(Purchased Reagent)		2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	100 ug/mL
							Phenol-d5	200 ug/mL
8270ICV_1K_00010	04/13/13	04/13/12	DCM, Lot H19E04	100 mL	8270ICVELE_00016	100 uL	1-Methylnaphthalene	1002 ug/L
							2-Methylnaphthalene	1001 ug/L
							Acenaphthene	1001 ug/L
							Acenaphthylene	999.1 ug/L
							Anthracene	999.9 ug/L
							Benzo[a]anthracene	1000 ug/L
							Benzo[a]pyrene	999.9 ug/L
							Benzo[b]fluoranthene	1000 ug/L
							Benzo[g,h,i]perylene	999.9 ug/L
							Benzo[k]fluoranthene	1001 ug/L
							Chrysene	999.7 ug/L
							Dibenz(a,h)anthracene	998.8 ug/L
							Fluoranthene	1002 ug/L
							Fluorene	1003 ug/L
							Indeno[1,2,3-cd]pyrene	1000 ug/L
							Naphthalene	999.9 ug/L
							Phenanthrene	999.8 ug/L
Pyrene	1001 ug/L							
.8270ICVELE_00016	09/27/13		o2si, Lot 187582		(Purchased Reagent)		1-Methylnaphthalene	1002 ug/mL
							2-Methylnaphthalene	1001 ug/mL
							Acenaphthene	1001 ug/mL
							Acenaphthylene	999.1 ug/mL
							Anthracene	999.9 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	999.9 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	999.9 ug/mL
							Benzo[k]fluoranthene	1001 ug/mL
							Chrysene	999.7 ug/mL
							Dibenz(a,h)anthracene	998.8 ug/mL
							Fluoranthene	1002 ug/mL
							Fluorene	1003 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	999.9 ug/mL
							Phenanthrene	999.8 ug/mL
Pyrene	1001 ug/mL							

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
8270LLf1spk_00005	09/20/12	05/10/12	Acetone/DCM, Lot MeCl2_00041	25 mL	8270f1spk_00109	5000 uL	3,3'-Dichlorobenzidine	8.016 ug/mL
							Benzidine	8.072 ug/mL
							1,1'-Biphenyl	4.024 ug/mL
							2,3-Dichlorobenzene	4.004 ug/mL
							2,4-Dinitrophenol	19.976 ug/mL
							2,6-Dichlorophenol	4 ug/mL
							4,6-Dinitro-2-methylphenol	19.9864 ug/mL
							4-Nitrophenol	20.0416 ug/mL
							Acetophenone	4.008 ug/mL
							Atrazine	4.012 ug/mL
							Benzoic acid	20.072 ug/mL
							Cyclohexanone	4.048 ug/mL
							n-Decane	3.9844 ug/mL
							N-Nitrosodimethylamine	20.0708 ug/mL
							n-Octadecane	3.9996 ug/mL
							Pyridine	20.052 ug/mL
							1,2,4-Trichlorobenzene	3.998 ug/mL
							1,2-Dichlorobenzene	4.004 ug/mL
							1,3-Dichlorobenzene	4.004 ug/mL
							1,4-Dichlorobenzene	4 ug/mL
							1-Methylnaphthalene	4.008 ug/mL
							2,2'-oxybis[1-chloropropane]	3.9948 ug/mL
							2,3,4,6-Tetrachlorophenol	4.096 ug/mL
							2,3,5,6-Tetrachlorophenol	3.992 ug/mL
							2,4,5-Trichlorophenol	4.02 ug/mL
							2,4,6-Trichlorophenol	4.02 ug/mL
							2,4-Dichlorophenol	3.9916 ug/mL
							2,4-Dimethylphenol	3.9904 ug/mL
							2,4-Dinitrotoluene	4 ug/mL
							2,6-Dinitrotoluene	4 ug/mL
							2-Chloronaphthalene	4.004 ug/mL
							2-Chlorophenol	4.004 ug/mL
							2-Methylnaphthalene	4.004 ug/mL
							2-Methylphenol	3.9956 ug/mL
							2-Nitroaniline	4 ug/mL
							2-Nitrophenol	3.9976 ug/mL
							3 & 4 Methylphenol	3.992 ug/mL
							3-Nitroaniline	4 ug/mL
							4-Bromophenyl phenyl ether	4.008 ug/mL
							4-Chloro-3-methylphenol	4.004 ug/mL
4-Chloroaniline	4 ug/mL							
4-Chlorophenyl phenyl ether	4.008 ug/mL							
4-Nitroaniline	4 ug/mL							
Acenaphthene	4.004 ug/mL							
Acenaphthylene	3.9964 ug/mL							
Aniline	4 ug/mL							
Anthracene	3.9996 ug/mL							
Azobenzene	3.9916 ug/mL							
Benzo[a]anthracene	4 ug/mL							

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	3.9996 ug/mL
							Benzo[b]fluoranthene	4 ug/mL
							Benzo[g,h,i]perylene	3.9996 ug/mL
							Benzo[k]fluoranthene	4.004 ug/mL
							Benzofluoranthene	7.9084 ug/mL
							Benzyl alcohol	4 ug/mL
							Bis(2-chloroethoxy)methane	4.004 ug/mL
							Bis(2-chloroethyl)ether	4.02 ug/mL
							Bis(2-ethylhexyl) phthalate	4.024 ug/mL
							Butyl benzyl phthalate	4.012 ug/mL
							Carbazole	3.9976 ug/mL
							Chrysene	3.9988 ug/mL
							Di-n-butyl phthalate	3.9996 ug/mL
							Di-n-octyl phthalate	4.004 ug/mL
							Dibenz(a,h)anthracene	3.9952 ug/mL
							Dibenzofuran	4.016 ug/mL
							Diethyl phthalate	4.008 ug/mL
							Dimethyl phthalate	4 ug/mL
							Fluoranthene	4.008 ug/mL
							Fluorene	4.012 ug/mL
							Hexachlorobenzene	4.008 ug/mL
							Hexachlorobutadiene	4.004 ug/mL
							Hexachlorocyclopentadiene	3.9908 ug/mL
							Hexachloroethane	4.008 ug/mL
							Indeno[1,2,3-cd]pyrene	4 ug/mL
							Isophorone	4.008 ug/mL
							N-Nitrosodi-n-propylamine	3.99 ug/mL
							N-Nitrosodiphenylamine	3.9916 ug/mL
							Naphthalene	3.9996 ug/mL
							Nitrobenzene	4 ug/mL
							Pentachlorophenol	3.9944 ug/mL
							Phenanthrene	3.9992 ug/mL
							Phenol	3.994 ug/mL
							Pyrene	4.004 ug/mL
.8270f1spk_00109	09/20/12	05/08/12	Acetone/DCM, Lot Ac_K27E46/MeC12_0038	50 mL	8270ICVBZD_00016	1000 uL	3,3'-Dichlorobenzidine	40.08 ug/mL
							Benidine	40.36 ug/mL
					8270ICVCST_00012	1000 uL	1,1'-Biphenyl	20.12 ug/mL
							2,3-Dichlorobenzenamine	20.02 ug/mL
							2,4-Dinitrophenol	99.88 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							4,6-Dinitro-2-methylphenol	99.932 ug/mL
							4-Nitrophenol	100.208 ug/mL
							Acetophenone	20.04 ug/mL
							Atrazine	20.06 ug/mL
							Benzoic acid	100.36 ug/mL
							Cyclohexanone	20.24 ug/mL
							n-Decane	19.922 ug/mL
							N-Nitrosodimethylamine	100.354 ug/mL
							n-Octadecane	99.914 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					8270ICVELE_00017	1000 uL	Pyridine	100.26 ug/mL
							1,2,4-Trichlorobenzene	19.99 ug/mL
							1,2-Dichlorobenzene	20.02 ug/mL
							1,3-Dichlorobenzene	20.02 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1-Methylnaphthalene	20.04 ug/mL
							2,2'-oxybis[1-chloropropane]	19.974 ug/mL
							2,3,4,6-Tetrachlorophenol	20.48 ug/mL
							2,3,5,6-Tetrachlorophenol	19.96 ug/mL
							2,4,5-Trichlorophenol	20.1 ug/mL
							2,4,6-Trichlorophenol	20.1 ug/mL
							2,4-Dichlorophenol	19.958 ug/mL
							2,4-Dimethylphenol	19.952 ug/mL
							2,4-Dinitrophenol	99.88 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20.02 ug/mL
							2-Chlorophenol	20.02 ug/mL
							2-Methylnaphthalene	20.02 ug/mL
							2-Methylphenol	19.978 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	19.988 ug/mL
							3 & 4 Methylphenol	19.96 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	99.932 ug/mL
							4-Bromophenyl phenyl ether	20.04 ug/mL
							4-Chloro-3-methylphenol	20.02 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20.04 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	100.208 ug/mL
							Acenaphthene	20.02 ug/mL
							Acenaphthylene	19.982 ug/mL
							Aniline	20 ug/mL
							Anthracene	19.998 ug/mL
							Azobenzene	19.958 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	19.998 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	19.998 ug/mL
							Benzo[k]fluoranthene	20.02 ug/mL
							Benzofluoranthene	39.542 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20.02 ug/mL
							Bis(2-chloroethyl)ether	20.1 ug/mL
							Bis(2-ethylhexyl) phthalate	20.12 ug/mL
							Butyl benzyl phthalate	20.06 ug/mL
							Carbazole	19.988 ug/mL
							Chrysene	19.994 ug/mL
							Di-n-butyl phthalate	06/18/2012

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
							Di-n-octyl phthalate	20.02 ug/mL					
							Dibenz(a,h)anthracene	19.976 ug/mL					
							Dibenzofuran	20.08 ug/mL					
							Diethyl phthalate	20.04 ug/mL					
							Dimethyl phthalate	20 ug/mL					
							Fluoranthene	20.04 ug/mL					
							Fluorene	20.06 ug/mL					
							Hexachlorobenzene	20.04 ug/mL					
							Hexachlorobutadiene	20.02 ug/mL					
							Hexachlorocyclopentadiene	19.954 ug/mL					
							Hexachloroethane	20.04 ug/mL					
							Indeno[1,2,3-cd]pyrene	20 ug/mL					
							Isophorone	20.04 ug/mL					
							N-Nitrosodi-n-propylamine	19.95 ug/mL					
							N-Nitrosodimethylamine	100.354 ug/mL					
							N-Nitrosodiphenylamine	19.958 ug/mL					
							Naphthalene	19.998 ug/mL					
							Nitrobenzene	20 ug/mL					
							Pentachlorophenol	19.972 ug/mL					
							Phenanthrene	19.996 ug/mL					
Phenol	19.97 ug/mL												
Pyrene	20.02 ug/mL												
Pyridine	100.26 ug/mL												
..8270ICVBZD_00016	04/11/14		o2si, Lot 186397		(Purchased Reagent)	3,3'-Dichlorobenzidine	2004 ug/mL						
..8270ICV CST_00012	02/27/14		o2si, Lot 186224		(Purchased Reagent)	Benzidine	2018 ug/mL						
						1,1'-Biphenyl	1006 ug/mL						
						2,3-Dichlorobenzenamine	1001 ug/mL						
						2,4-Dinitrophenol	3994 ug/mL						
						2,6-Dichlorophenol	1000 ug/mL						
						4,6-Dinitro-2-methylphenol	3997 ug/mL						
						4-Nitrophenol	4011 ug/mL						
						Acetophenone	1002 ug/mL						
						Atrazine	1003 ug/mL						
						Benzoic acid	5018 ug/mL						
						Cyclohexanone	1012 ug/mL						
						n-Decane	996.1 ug/mL						
						N-Nitrosodimethylamine	4020 ug/mL						
						n-Octadecane	999.9 ug/mL						
						Pyridine	4013 ug/mL						
						..8270ICVELE_00017	07/18/13		o2si, Lot 184478		(Purchased Reagent)	1,2,4-Trichlorobenzene	999.5 ug/mL
												1,2-Dichlorobenzene	1001 ug/mL
1,3-Dichlorobenzene	1001 ug/mL												
1,4-Dichlorobenzene	1000 ug/mL												
1-Methylnaphthalene	1002 ug/mL												
2,2'-oxybis[1-chloropropane]	998.7 ug/mL												
2,3,4,6-Tetrachlorophenol	1024 ug/mL												
2,3,5,6-Tetrachlorophenol	998 ug/mL												
2,4,5-Trichlorophenol	1005 ug/mL												
2,4,6-Trichlorophenol	1005 ug/mL												
2,4-Dichlorophenol	1005 ug/mL												

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dimethylphenol	997.6 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1001 ug/mL
							2-Chlorophenol	1001 ug/mL
							2-Methylnaphthalene	1001 ug/mL
							2-Methylphenol	998.9 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	999.4 ug/mL
							3 & 4 Methylphenol	998 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	999.6 ug/mL
							4-Bromophenyl phenyl ether	1002 ug/mL
							4-Chloro-3-methylphenol	1001 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1002 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	999.4 ug/mL
							Acenaphthene	1001 ug/mL
							Acenaphthylene	999.1 ug/mL
							Aniline	1000 ug/mL
							Anthracene	999.9 ug/mL
							Azobenzene	997.9 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	999.9 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	999.9 ug/mL
							Benzo[k]fluoranthene	1001 ug/mL
							Benzofluoranthene	1977.1 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1001 ug/mL
							Bis(2-chloroethyl)ether	1005 ug/mL
							Bis(2-ethylhexyl) phthalate	1006 ug/mL
							Butyl benzyl phthalate	1003 ug/mL
							Carbazole	999.4 ug/mL
							Chrysene	999.7 ug/mL
							Di-n-butyl phthalate	999.9 ug/mL
							Di-n-octyl phthalate	1001 ug/mL
							Dibenz(a,h)anthracene	998.8 ug/mL
							Dibenzofuran	1004 ug/mL
							Diethyl phthalate	1002 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1002 ug/mL
							Fluorene	1003 ug/mL
							Hexachlorobenzene	1002 ug/mL
							Hexachlorobutadiene	1001 ug/mL
							Hexachlorocyclopentadiene	997.7 ug/mL
							Hexachloroethane	1002 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
							Isophorone	1002 ug/mL					
							N-Nitrosodi-n-propylamine	997.5 ug/mL					
							N-Nitrosodimethylamine	997.7 ug/mL					
							N-Nitrosodiphenylamine	997.9 ug/mL					
							Naphthalene	999.9 ug/mL					
							Nitrobenzene	1000 ug/mL					
							Pentachlorophenol	998.6 ug/mL					
							Phenanthrene	999.8 ug/mL					
							Phenol	998.5 ug/mL					
							Pyrene	1001 ug/mL					
							Pyridine	1000 ug/mL					
CaCO3_00002	06/02/17		ACROS, Lot A0311356			(Purchased Reagent)	Total Organic Carbon	12 g					
IC_SIM_IS_10_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	1 uL	1-Methylnaphthalene	10 ug/L					
							2-Methylnaphthalene	10 ug/L					
							Acenaphthene	10 ug/L					
							Acenaphthylene	10 ug/L					
							Anthracene	10 ug/L					
							Benzo[a]anthracene	10 ug/L					
							Benzo[a]pyrene	10 ug/L					
							Benzo[b]fluoranthene	10 ug/L					
							Benzo[g,h,i]perylene	10 ug/L					
							Benzo[k]fluoranthene	10 ug/L					
							Chrysene	10 ug/L					
							Dibenz(a,h)anthracene	10 ug/L					
							Fluoranthene	10 ug/L					
							Fluorene	10 ug/L					
							Indeno[1,2,3-cd]pyrene	10 ug/L					
							Naphthalene	10 ug/L					
							Pentachlorophenol	10 ug/L					
							Phenanthrene	10 ug/L					
					Pyrene	10 ug/L							
					2,4,6-Tribromophenol	9.8475 ug/L							
					2-Fluorobiphenyl	9.86 ug/L							
					Nitrobenzene-d5	9.84 ug/L							
					Terphenyl-d14	9.7 ug/L							
					8270SIM_IS_00005						100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L
												Acenaphthene-d10	98 ug/L
												Chrysene-d12	98.05 ug/L
												Naphthalene-d8	95.2 ug/L
Perylene-d12	98.9 ug/L												
Phenanthrene-d10	97.95 ug/L												
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L					
							2-Methylnaphthalene	100000 ug/L					
							Acenaphthene	100000 ug/L					
							Acenaphthylene	100000 ug/L					
							Anthracene	100000 ug/L					
							Benzo[a]anthracene	100000 ug/L					
							Benzo[a]pyrene	100000 ug/L					
							Benzo[b]fluoranthene	100000 ug/L					
							Benzo[g,h,i]perylene	100000 ug/L					
								100000 ug/L					
	100000 ug/L												

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Pentachlorophenol	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
					8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
..8270msstk_00023	07/31/12		Restek, Lot A079604		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690		(Purchased Reagent)		2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1959 ug/mL
IC_SIM_IS_100_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270SurSTK_00016	10 uL	1-Methylnaphthalene	1000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylnaphthalene	100 ug/L
							Acenaphthene	100 ug/L
							Acenaphthylene	100 ug/L
							Anthracene	100 ug/L
							Benzo[a]anthracene	100 ug/L
							Benzo[a]pyrene	100 ug/L
							Benzo[b]fluoranthene	100 ug/L
							Benzo[g,h,i]perylene	100 ug/L
							Benzo[k]fluoranthene	100 ug/L
							Chrysene	100 ug/L
							Dibenz(a,h)anthracene	100 ug/L
							Fluoranthene	100 ug/L
							Fluorene	100 ug/L
							Indeno[1,2,3-cd]pyrene	100 ug/L
							Naphthalene	100 ug/L
							Pentachlorophenol	100 ug/L
							Phenanthrene	100 ug/L
							Pyrene	100 ug/L
							2,4,6-Tribromophenol	98.475 ug/L
							2-Fluorobiphenyl	98.6 ug/L
Nitrobenzene-d5	98.4 ug/L							
Terphenyl-d14	97 ug/L							
8270SIM_IS_00005					100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L	
						Acenaphthene-d10	98 ug/L	
						Chrysene-d12	98.05 ug/L	
						Naphthalene-d8	95.2 ug/L	
						Perylene-d12	98.9 ug/L	
Phenanthrene-d10	97.95 ug/L							
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Pentachlorophenol	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
							8270SurSTK_00005	
						2-Fluorobiphenyl	98600 ug/L	
						Nitrobenzene-d5	98600 ug/L	

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..8270msstk_00023	07/31/12		Restek, Lot A079604			(Purchased Reagent)	Terphenyl-d14	97000 ug/L
							1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
Pentachlorophenol	1000 ug/mL							
Phenanthrene	1000 ug/mL							
Pyrene	1000 ug/mL							
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690			(Purchased Reagent)	2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
Phenanthrene-d10	9.795 ug/mL							
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352			(Purchased Reagent)	1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
Phenanthrene-d10	1959 ug/mL							
IC_SIM_IS_1K_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	100 uL	1-Methylnaphthalene	1000 ug/L
							2-Methylnaphthalene	1000 ug/L
							Acenaphthene	1000 ug/L
							Acenaphthylene	1000 ug/L
							Anthracene	1000 ug/L
							Benzo[a]anthracene	1000 ug/L
							Benzo[a]pyrene	1000 ug/L
							Benzo[b]fluoranthene	1000 ug/L
							Benzo[g,h,i]perylene	1000 ug/L
							Benzo[k]fluoranthene	1000 ug/L
							Chrysene	1000 ug/L
							Dibenz(a,h)anthracene	1000 ug/L
							Fluoranthene	1000 ug/L
							Fluorene	1000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration								
					Reagent ID	Volume Added										
							Indeno[1,2,3-cd]pyrene	1000 ug/L								
							Naphthalene	1000 ug/L								
							Pentachlorophenol	1000 ug/L								
							Phenanthrene	1000 ug/L								
							Pyrene	1000 ug/L								
							2,4,6-Tribromophenol	984.75 ug/L								
							2-Fluorobiphenyl	986 ug/L								
							Nitrobenzene-d5	984 ug/L								
							Terphenyl-d14	970 ug/L								
							8270SIM_IS_00005	100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L						
							Acenaphthene-d10	98 ug/L								
							Chrysene-d12	98.05 ug/L								
							Naphthalene-d8	95.2 ug/L								
							Perylene-d12	98.9 ug/L								
Phenanthrene-d10	97.95 ug/L															
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L								
							2-Methylnaphthalene	100000 ug/L								
							Acenaphthene	100000 ug/L								
							Acenaphthylene	100000 ug/L								
							Anthracene	100000 ug/L								
							Benzo[a]anthracene	100000 ug/L								
							Benzo[a]pyrene	100000 ug/L								
							Benzo[b]fluoranthene	100000 ug/L								
							Benzo[g,h,i]perylene	100000 ug/L								
							Benzo[k]fluoranthene	100000 ug/L								
							Chrysene	100000 ug/L								
							Dibenz(a,h)anthracene	100000 ug/L								
							Fluoranthene	100000 ug/L								
							Fluorene	100000 ug/L								
							Indeno[1,2,3-cd]pyrene	100000 ug/L								
							Naphthalene	100000 ug/L								
							Pentachlorophenol	100000 ug/L								
							Phenanthrene	100000 ug/L								
							Pyrene	100000 ug/L								
							8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L						
							2-Fluorobiphenyl	98600 ug/L								
							Nitrobenzene-d5	98400 ug/L								
							Terphenyl-d14	97000 ug/L								
							..8270msstk_00023	07/31/12		Restek, Lot A079604				(Purchased Reagent)	1-Methylnaphthalene	1000 ug/mL
														2-Methylnaphthalene	1000 ug/mL	
														Acenaphthene	1000 ug/mL	
														Acenaphthylene	1000 ug/mL	
Anthracene	1000 ug/mL															
Benzo[a]anthracene	1000 ug/mL															
Benzo[a]pyrene	1000 ug/mL															
Benzo[b]fluoranthene	1000 ug/mL															
Benzo[g,h,i]perylene	1000 ug/mL															
Benzo[k]fluoranthene	1000 ug/mL															
Chrysene	1000 ug/mL															
Dibenz(a,h)anthracene	1000 ug/mL															

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690			(Purchased Reagent)	2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352			(Purchased Reagent)	1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1959 ug/mL
IC_SIM_IS_2K_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	200 uL	1-Methylnaphthalene	2000 ug/L
							2-Methylnaphthalene	2000 ug/L
							Acenaphthene	2000 ug/L
							Acenaphthylene	2000 ug/L
							Anthracene	2000 ug/L
							Benzo[a]anthracene	2000 ug/L
							Benzo[a]pyrene	2000 ug/L
							Benzo[b]fluoranthene	2000 ug/L
							Benzo[g,h,i]perylene	2000 ug/L
							Benzo[k]fluoranthene	2000 ug/L
							Chrysene	2000 ug/L
							Dibenz(a,h)anthracene	2000 ug/L
							Fluoranthene	2000 ug/L
							Fluorene	2000 ug/L
							Indeno[1,2,3-cd]pyrene	2000 ug/L
							Naphthalene	2000 ug/L
							Pentachlorophenol	2000 ug/L
							Phenanthrene	2000 ug/L
							Pyrene	2000 ug/L
							2,4,6-Tribromophenol	1969.5 ug/L
							2-Fluorobiphenyl	1972 ug/L
							Nitrobenzene-d5	1968 ug/L
							Terphenyl-d14	1940 ug/L
					8270SIM_IS_00005	100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L
							Acenaphthene-d10	98 ug/L
							Chrysene-d12	98.05 ug/L
							Naphthalene-d8	96.21 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	Perylene-d12	98.9 ug/L
							Phenanthrene-d10	97.95 ug/L
							1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
					Fluoranthene	100000 ug/L		
					Fluorene	100000 ug/L		
					Indeno[1,2,3-cd]pyrene	100000 ug/L		
					Naphthalene	100000 ug/L		
					Pentachlorophenol	100000 ug/L		
					Phenanthrene	100000 ug/L		
Pyrene	100000 ug/L							
.8270msstk_00023	07/31/12		Restek, Lot A079604		(Purchased Reagent)		2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
							1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
Acenaphthene	1000 ug/mL							
Acenaphthylene	1000 ug/mL							
Anthracene	1000 ug/mL							
Benzo[a]anthracene	1000 ug/mL							
Benzo[a]pyrene	1000 ug/mL							
Benzo[b]fluoranthene	1000 ug/mL							
Benzo[g,h,i]perylene	1000 ug/mL							
Benzo[k]fluoranthene	1000 ug/mL							
Chrysene	1000 ug/mL							
Dibenz(a,h)anthracene	1000 ug/mL							
Fluoranthene	1000 ug/mL							
Fluorene	1000 ug/mL							
Indeno[1,2,3-cd]pyrene	1000 ug/mL							
Naphthalene	1000 ug/mL							
Pentachlorophenol	1000 ug/mL							
Phenanthrene	1000 ug/mL							
Pyrene	1000 ug/mL							
.8270SurSTK_00005	12/31/13		Supelco, Lot LB80690		(Purchased Reagent)		2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.555 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1959 ug/mL
IC_SIM_IS_5_00009	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	0.5 uL	1-Methylnaphthalene	5 ug/L
							2-Methylnaphthalene	5 ug/L
							Acenaphthene	5 ug/L
							Acenaphthylene	5 ug/L
							Anthracene	5 ug/L
							Benzo[a]anthracene	5 ug/L
							Benzo[a]pyrene	5 ug/L
							Benzo[b]fluoranthene	5 ug/L
							Benzo[g,h,i]perylene	5 ug/L
							Benzo[k]fluoranthene	5 ug/L
							Chrysene	5 ug/L
							Dibenz(a,h)anthracene	5 ug/L
							Fluoranthene	5 ug/L
							Fluorene	5 ug/L
							Indeno[1,2,3-cd]pyrene	5 ug/L
							Naphthalene	5 ug/L
							Phenanthrene	5 ug/L
							Pyrene	5 ug/L
							2,4,6-Tribromophenol	4.92375 ug/L
							2-Fluorobiphenyl	4.93 ug/L
							Nitrobenzene-d5	4.92 ug/L
							Terphenyl-d14	4.85 ug/L
					8270SIM_IS_00005	100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L
							Acenaphthene-d10	98 ug/L
							Chrysene-d12	98.05 ug/L
							Naphthalene-d8	95.2 ug/L
							Perylene-d12	98.9 ug/L
							Phenanthrene-d10	97.95 ug/L
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
					8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
..8270msstk_00023	07/31/12		Restek, Lot A079604		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690		(Purchased Reagent)		2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1959 ug/mL
IC_SIM_IS_50_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	5 uL	1-Methylnaphthalene	50 ug/L
							2-Methylnaphthalene	50 ug/L
							Acenaphthene	50 ug/L
							Acenaphthylene	50 ug/L
							Anthracene	50 ug/L
							Benzo[a]anthracene	50 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration							
					Reagent ID	Volume Added									
							Benzo[a]pyrene	50 ug/L							
							Benzo[b]fluoranthene	50 ug/L							
							Benzo[g,h,i]perylene	50 ug/L							
							Benzo[k]fluoranthene	50 ug/L							
							Chrysene	50 ug/L							
							Dibenz(a,h)anthracene	50 ug/L							
							Fluoranthene	50 ug/L							
							Fluorene	50 ug/L							
							Indeno[1,2,3-cd]pyrene	50 ug/L							
							Naphthalene	50 ug/L							
							Pentachlorophenol	50 ug/L							
							Phenanthrene	50 ug/L							
							Pyrene	50 ug/L							
							2,4,6-Tribromophenol	49.2375 ug/L							
							2-Fluorobiphenyl	49.3 ug/L							
							Nitrobenzene-d5	49.2 ug/L							
							Terphenyl-d14	48.5 ug/L							
							8270SIM_IS_00005	100 uL						1,4-Dichlorobenzene-d4	95.55 ug/L
Acenaphthene-d10	98 ug/L														
Chrysene-d12	98.05 ug/L														
Naphthalene-d8	95.2 ug/L														
Perylene-d12	98.9 ug/L														
Phenanthrene-d10	97.95 ug/L														
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L							
							2-Methylnaphthalene	100000 ug/L							
							Acenaphthene	100000 ug/L							
							Acenaphthylene	100000 ug/L							
							Anthracene	100000 ug/L							
							Benzo[a]anthracene	100000 ug/L							
							Benzo[a]pyrene	100000 ug/L							
							Benzo[b]fluoranthene	100000 ug/L							
							Benzo[g,h,i]perylene	100000 ug/L							
							Benzo[k]fluoranthene	100000 ug/L							
							Chrysene	100000 ug/L							
							Dibenz(a,h)anthracene	100000 ug/L							
							Fluoranthene	100000 ug/L							
							Fluorene	100000 ug/L							
							Indeno[1,2,3-cd]pyrene	100000 ug/L							
							Naphthalene	100000 ug/L							
							Pentachlorophenol	100000 ug/L							
							Phenanthrene	100000 ug/L							
							Pyrene	100000 ug/L							
							8270SurSTK_00005	0.25 mL						2,4,6-Tribromophenol	98475 ug/L
														2-Fluorobiphenyl	98600 ug/L
														Nitrobenzene-d5	98400 ug/L
														Terphenyl-d14	97000 ug/L
							..8270msstk_00023	07/31/12		Restek, Lot A079604				(Purchased Reagent)	
														1-Methylnaphthalene	1000 ug/mL
														2-Methylnaphthalene	1000 ug/mL
														Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL							

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690			(Purchased Reagent)	2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352			(Purchased Reagent)	1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1959 ug/mL
IC_SIM_IS_500_00012	05/23/12	04/02/12	DCM, Lot 741263	10 mL	8270_ICSTK_00016	50 uL	1-Methylnaphthalene	500 ug/L
							2-Methylnaphthalene	500 ug/L
							Acenaphthene	500 ug/L
							Acenaphthylene	500 ug/L
							Anthracene	500 ug/L
							Benzo[a]anthracene	500 ug/L
							Benzo[a]pyrene	500 ug/L
							Benzo[b]fluoranthene	500 ug/L
							Benzo[g,h,i]perylene	500 ug/L
							Benzo[k]fluoranthene	500 ug/L
							Chrysene	500 ug/L
							Dibenz(a,h)anthracene	500 ug/L
							Fluoranthene	500 ug/L
							Fluorene	500 ug/L
							Indeno[1,2,3-cd]pyrene	500 ug/L
							Naphthalene	500 ug/L
							Pentachlorophenol	500 ug/L
							Phenanthrene	500 ug/L
							Pyrene	500 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Tribromophenol	492.375 ug/L
							2-Fluorobiphenyl	493 ug/L
							Nitrobenzene-d5	492 ug/L
							Terphenyl-d14	485 ug/L
					8270SIM_IS_00005	100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L
							Acenaphthene-d10	98 ug/L
							Chrysene-d12	98.05 ug/L
							Naphthalene-d8	95.2 ug/L
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
Benzo[g,h,i]perylene	100000 ug/L							
Benzo[k]fluoranthene	100000 ug/L							
Chrysene	100000 ug/L							
Dibenz(a,h)anthracene	100000 ug/L							
Fluoranthene	100000 ug/L							
Fluorene	100000 ug/L							
Indeno[1,2,3-cd]pyrene	100000 ug/L							
Naphthalene	100000 ug/L							
Pentachlorophenol	100000 ug/L							
Phenanthrene	100000 ug/L							
Pyrene	100000 ug/L							
					8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
..8270msstk_00023	07/31/12		Restek, Lot A079604		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.8270SurSTK_00005	12/31/13		Supelco, Lot LB80690			(Purchased Reagent)	Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
							2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	Terphenyl-d14	3880 ug/mL
							1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
.8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352			(Purchased Reagent)	Phenanthrene-d10	9.795 ug/mL
							1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
IC_SIM_IS_500_00013	07/31/12	04/02/12	DCM, Lot 741263	10 mL	8270_ICSTK_00016	50 uL	1-Methylnaphthalene	500 ug/L
							2-Methylnaphthalene	500 ug/L
							Acenaphthene	500 ug/L
							Acenaphthylene	500 ug/L
							Anthracene	500 ug/L
							Benzo[a]anthracene	500 ug/L
							Benzo[a]pyrene	500 ug/L
							Benzo[b]fluoranthene	500 ug/L
							Benzo[g,h,i]perylene	500 ug/L
							Benzo[k]fluoranthene	500 ug/L
							Chrysene	500 ug/L
							Dibenz(a,h)anthracene	500 ug/L
							Fluoranthene	500 ug/L
							Fluorene	500 ug/L
							Indeno[1,2,3-cd]pyrene	500 ug/L
							Naphthalene	500 ug/L
							Phenanthrene	500 ug/L
							Pyrene	500 ug/L
							2,4,6-Tribromophenol	492.375 ug/L
							2-Fluorobiphenyl	493 ug/L
Nitrobenzene-d5	492 ug/L							
Terphenyl-d14	485 ug/L							
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	100000 ug/L
							Dibenz (a, h) anthracene	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
					8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
..8270msstk_00023	07/31/12		Restek, Lot A079604			(Purchased Reagent)	1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz (a, h) anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690			(Purchased Reagent)	2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
IC_SIM_IS_5K_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	500 uL	1-Methylnaphthalene	5000 ug/L
							2-Methylnaphthalene	5000 ug/L
							Acenaphthene	5000 ug/L
							Acenaphthylene	5000 ug/L
							Anthracene	5000 ug/L
							Benzo[a]anthracene	5000 ug/L
							Benzo[a]pyrene	5000 ug/L
							Benzo[b]fluoranthene	5000 ug/L
							Benzo[g,h,i]perylene	5000 ug/L
							Benzo[k]fluoranthene	5000 ug/L
							Chrysene	5000 ug/L
							Dibenz (a, h) anthracene	5000 ug/L
							Fluoranthene	5000 ug/L
							Fluorene	5000 ug/L
							Indeno[1,2,3-cd]pyrene	5000 ug/L
							Naphthalene	5000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	5000 ug/L
							Phenanthrene	5000 ug/L
							Pyrene	5000 ug/L
							2,4,6-Tribromophenol	4923.75 ug/L
							2-Fluorobiphenyl	4930 ug/L
							Nitrobenzene-d5	4920 ug/L
							Terphenyl-d14	4850 ug/L
					8270SIM_IS_00005	100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L
							Acenaphthene-d10	98 ug/L
							Chrysene-d12	98.05 ug/L
							Naphthalene-d8	95.2 ug/L
							Perylene-d12	98.9 ug/L
							Phenanthrene-d10	97.95 ug/L
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Pentachlorophenol	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
					8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
..8270msstk_00023	07/31/12		Restek, Lot A079604			(Purchased Reagent)	1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690			(Purchased Reagent)	2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352			(Purchased Reagent)	1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1959 ug/mL
TOCS_LCS_00002	03/31/13		ERA, Lot D066-542			(Purchased Reagent)	Total Organic Carbon	2720 mg/Kg
WCBCLCSs_00006	03/31/19		NIST, Lot SRM1944			(Purchased Reagent)	Black Carbon	0.0099 g/g
WCLKCVs_00006	11/17/12		COSTECH, Lot NA			(Purchased Reagent)	Black Carbon	0.7109 g/g

Certification Summary

Client: Anchor QEA LLC
 Project/Site: Jeld-Wen Surface Sediment

TestAmerica Job ID: 580-32844-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska (UST)	State Program	10	UST-022
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	Florida	NELAC	4	E871074
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Louisiana	NELAC	6	05016
TestAmerica Seattle	Montana (UST)	State Program	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	Federal		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553
TestAmerica Burlington	ACLASS	DoD ELAP		ADE-1492
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act	State Program	3	NA
TestAmerica Burlington	Florida	NELAC	4	E87467
TestAmerica Burlington	Louisiana	NELAC	6	176292
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAC	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAC	1	200610
TestAmerica Burlington	New Jersey	NELAC	2	VT972
TestAmerica Burlington	New York	NELAC	2	10391
TestAmerica Burlington	Pennsylvania	NELAC	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAC	3	460209

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8270C SIM

Semivolatile Organic Compounds
(GC/MS SIM) by Method 8270C (SIM)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Matrix: Solid Level: Low

GC Column (1): ZB-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPH #
	LCS 580-111684/2-A	87	72	70

NBZ = Nitrobenzene-d5
FBP = 2-Fluorobiphenyl
TPH = Terphenyl-d14

QC LIMITS
38-141
42-140
42-151

Column to be used to flag recovery values

FORM II 8270C SIM

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Matrix: Solid Level: Low

GC Column (1): ZB-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	TPH #
JW-UR-COMP-120508	580-32844-5	74
JW-DR-COMP-120508	580-32844-10	65
JW-RG-COMP-120508	580-32844-15	69
	MB 580-111684/1-A	74

TPH = Terphenyl-d14

QC LIMITS
42-151

Column to be used to flag recovery values

FORM II 8270C SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: HP28007.D
 Lab ID: LCS 580-111684/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Naphthalene	100	89.4	89	64-129	
2-Methylnaphthalene	100	85.5	85	65-125	
1-Methylnaphthalene	100	85.5	85	48-148	
Acenaphthylene	99.9	93.6	94	69-129	
Acenaphthene	100	89.6	89	65-130	
Fluorene	100	91.6	91	68-128	
Phenanthrene	100	90.4	90	65-125	
Anthracene	100	88.1	88	73-123	
Fluoranthene	100	94.7	95	61-121	
Pyrene	100	93.5	93	54-134	
Benzo[a]anthracene	100	93.6	94	64-124	
Chrysene	100	90.5	90	71-126	
Benzo[b]fluoranthene	100	97.1	97	66-136	
Benzo[k]fluoranthene	100	109	109	63-143	
Benzo[a]pyrene	100	97.4	97	68-128	
Indeno[1,2,3-cd]pyrene	100	84.6	85	59-139	
Dibenz(a,h)anthracene	99.9	87.8	88	57-142	
Benzo[g,h,i]perylene	100	80.9	81	57-142	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
SDG No.: _____
Lab File ID: HP28006.D Lab Sample ID: MB 580-111684/1-A
Matrix: Solid Date Extracted: 05/18/2012 14:29
Instrument ID: TAC023 Date Analyzed: 05/25/2012 11:51
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 580-111684/2-A	HP28007.D	05/25/2012 12:12
JW-UR-COMP-120508	580-32844-5	HP28013.D	05/25/2012 14:22
JW-DR-COMP-120508	580-32844-10	HP28014.D	05/25/2012 14:44
JW-RG-COMP-120508	580-32844-15	HP28015.D	05/25/2012 15:06

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Lab File ID: HP27813.D DFTPP Injection Date: 04/26/2012
 Instrument ID: TAC023 DFTPP Injection Time: 15:32
 Analysis Batch No.: 110125

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	31.9
68	Less than 2.0 % of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	38.7
70	Less than 2.0 % of mass 69	0.2 (0.5)1
127	10.0 - 80.0 % of mass 198	47.1
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.9
275	10.0 - 60.0 % of mass 198	28.2
365	Greater than 1.0 % of mass 198	3.9
441	Present but less than mass 443	20.0
442	Greater than 50.0 % of mass 198	130.3
443	15.0 - 24.0 % of mass 442	26.0 (20.0)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 580-110125/3	HP27815.D	04/26/2012	16:06
	IC 580-110125/4	HP27816.D	04/26/2012	16:28
	IC 580-110125/5	HP27817.D	04/26/2012	16:50
	IC 580-110125/6	HP27818.D	04/26/2012	17:11
	ICIS 580-110125/7	HP27819.D	04/26/2012	17:33
	IC 580-110125/8	HP27820.D	04/26/2012	17:55
	IC 580-110125/9	HP27821.D	04/26/2012	18:16
	IC 580-110125/10	HP27822.D	04/26/2012	18:38
	ICV 580-110125/11	HP27823.D	04/26/2012	19:00

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Lab File ID: HP28004.D DFTPP Injection Date: 05/25/2012
 Instrument ID: TAC023 DFTPP Injection Time: 10:11
 Analysis Batch No.: 112072

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	36.5
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	42.9
70	Less than 2.0 % of mass 69	0.2 (0.4) 1
127	10.0 - 80.0 % of mass 198	50.2
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.8
275	10.0 - 60.0 % of mass 198	28.0
365	Greater than 1.0 % of mass 198	4.0
441	Present but less than mass 443	19.2
442	Greater than 50.0 % of mass 198	122.6
443	15.0 - 24.0 % of mass 442	24.8 (20.2) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 580-112072/2	HP28005.D	05/25/2012	10:24
	MB 580-111684/1-A	HP28006.D	05/25/2012	11:51
	LCS 580-111684/2-A	HP28007.D	05/25/2012	12:12
JW-UR-COMP-120508	580-32844-5	HP28013.D	05/25/2012	14:22
JW-DR-COMP-120508	580-32844-10	HP28014.D	05/25/2012	14:44
JW-RG-COMP-120508	580-32844-15	HP28015.D	05/25/2012	15:06

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Sample No.: ICIS 580-110125/7 Date Analyzed: 04/26/2012 17:33
 Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm)
 Lab File ID (Standard): HP27819.D Heated Purge: (Y/N) N
 Calibration ID: 10810

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	30839	3.88	49046	4.87	27682	6.29
UPPER LIMIT	61678	4.38	98092	5.37	55364	6.79
LOWER LIMIT	15420	3.38	24523	4.37	13841	5.79
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 580-110125/11	41529	3.89	51301	4.87	29370	6.29

DCB = 1,4-Dichlorobenzene-d4
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Sample No.: ICIS 580-110125/7 Date Analyzed: 04/26/2012 17:33
 Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25(mm)
 Lab File ID (Standard): HP27819.D Heated Purge: (Y/N) N
 Calibration ID: 10810

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	42366	7.52	50070	9.74	38494	11.50
UPPER LIMIT	84732	8.02	100140	10.24	76988	12.00
LOWER LIMIT	21183	7.02	25035	9.24	19247	11.00
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 580-110125/11	45820	7.52	55067	9.74	42441	11.50

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Sample No.: CCVIS 580-112072/2 Date Analyzed: 05/25/2012 10:24
 Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm)
 Lab File ID (Standard): HP28005.D Heated Purge: (Y/N) N
 Calibration ID: 10810

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	26236	3.86	44540	4.84	24882	6.26	
UPPER LIMIT	52472	4.36	89080	5.34	49764	6.76	
LOWER LIMIT	13118	3.36	22270	4.34	12441	5.76	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-111684/1-A	17886	3.86	46569	4.85	25232	6.27	
LCS 580-111684/2-A	34419	3.86	42276	4.84	23915	6.26	
580-32844-5	JW-UR-COMP-120508	16521	3.85	43642	4.84	24225	6.26
580-32844-10	JW-DR-COMP-120508	15808	3.85	41769	4.84	22847	6.26
580-32844-15	JW-RG-COMP-120508	14776	3.85	38256	4.84	21258	6.26

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Sample No.: CCVIS 580-112072/2 Date Analyzed: 05/25/2012 10:24
 Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm)
 Lab File ID (Standard): HP28005.D Heated Purge: (Y/N) N
 Calibration ID: 10810

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	37694	7.49	43217	9.71	31605	11.45	
UPPER LIMIT	75388	7.99	86434	10.21	63210	11.95	
LOWER LIMIT	18847	6.99	21609	9.21	15803	10.95	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-111684/1-A	39169	7.49	40860	9.72	28574	11.46	
LCS 580-111684/2-A	36002	7.49	42854	9.71	29429	11.45	
580-32844-5	JW-UR-COMP-120508	37928	7.49	41804	9.71	36314	11.45
580-32844-10	JW-DR-COMP-120508	35478	7.49	38828	9.71	32359	11.45
580-32844-15	JW-RG-COMP-120508	33065	7.49	37976	9.71	31273	11.45

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Client Sample ID: JW-UR-COMP-120508 Lab Sample ID: 580-32844-5
 Matrix: Solid Lab File ID: HP28013.D
 Analysis Method: 8270C SIM Date Collected: 05/08/2012 14:12
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:30
 Sample wt/vol: 20.9473(g) Date Analyzed: 05/25/2012 14:22
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 46.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	1.3		0.89	0.36
91-57-6	2-Methylnaphthalene	0.41	J	0.89	0.36
90-12-0	1-Methylnaphthalene	0.28	J	0.89	0.27
208-96-8	Acenaphthylene	1.6		0.89	0.27
83-32-9	Acenaphthene	0.32	J	0.89	0.27
86-73-7	Fluorene	0.66	J	0.89	0.27
85-01-8	Phenanthrene	3.4		0.89	0.27
120-12-7	Anthracene	2.5		0.89	0.27
206-44-0	Fluoranthene	20		0.89	0.27
129-00-0	Pyrene	16		0.89	0.27
56-55-3	Benzo[a]anthracene	10		0.89	0.27
218-01-9	Chrysene	17		0.89	0.27
205-99-2	Benzo[b]fluoranthene	13		0.89	0.27
207-08-9	Benzo[k]fluoranthene	5.2		0.89	0.27
50-32-8	Benzo[a]pyrene	8.2		0.89	0.27
193-39-5	Indeno[1,2,3-cd]pyrene	4.4		0.89	0.27
53-70-3	Dibenz(a,h)anthracene	0.95		0.89	0.27
191-24-2	Benzo[g,h,i]perylene	3.3		0.89	0.27

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	74		42-151

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28013.D
 Lims ID: 580-32844-C-5-A Client ID: JW-UR-COMP-120508
 Inject. Date: 25-May-2012 14:22:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 580-32844-c-5-a
 Misc. Info.: 580-0023449-010 =580-0023449-010
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 112072 Lims Sample ID: 10
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb

Date: 25-May-2012 16:21:46

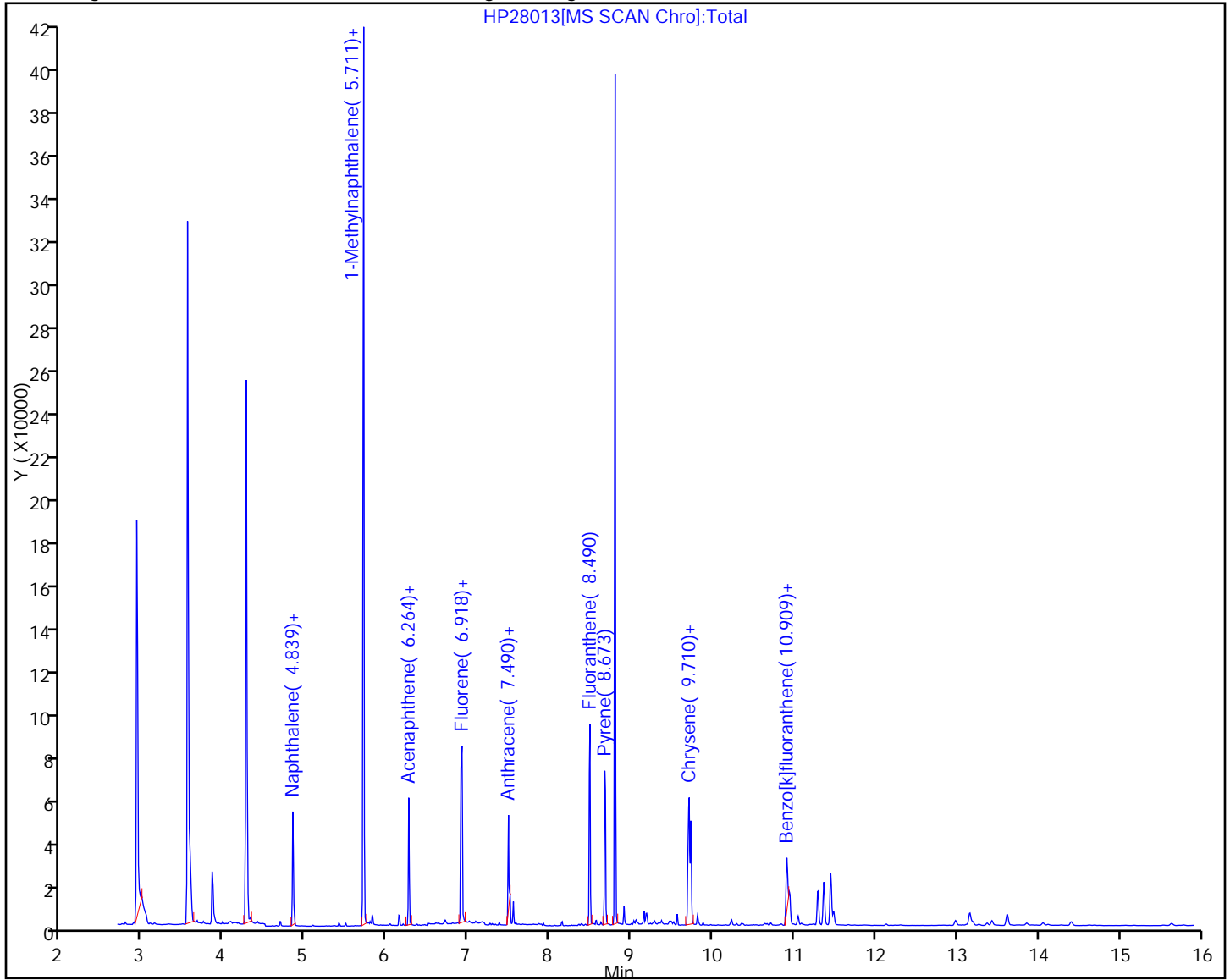
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.848	3.859	-0.011	1	16521	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	43642	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	24225	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	37928	98.0	
* 5 Chrysene-d12	240	9.710	9.709	0.001	1	41804	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	36314	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	133859	931.4	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	254181	696.3	
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	303263	738.8	
26 Naphthalene	128	4.860	4.860	0.0	1	3619	7.39	
27 2-Methylnaphthalene	141	5.406	5.415	-0.009	1	661	2.31	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	448	1.56	
31 Acenaphthylene	152	6.143	6.143	0.0	1	4074	9.03	
29 Acenaphthene	153	6.290	6.289	0.001	3	551	1.81	
32 Fluorene	166	6.712	6.712	0.0	1	1171	3.71	
37 Phenanthrene	178	7.510	7.510	0.0	1	9233	19.4	
38 Anthracene	178	7.550	7.550	0.0	1	6701	14.3	
42 Fluoranthene	202	8.490	8.490	0.0	1	58771	112.6	
41 Pyrene	202	8.673	8.680	-0.007	38	48530	89.3	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	26788	57.1	
43 Chrysene	228	9.729	9.729	0.0	1	47827	98.2	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	37824	74.4	M
46 Benzo[k]fluoranthene	252	10.940	10.948	-0.008	1	14969	29.1	M
47 Benzo[a]pyrene	252	11.364	11.364	0.0	1	21029	46.4	
50 Indeno[1,2,3-cd]pyrene	276	13.159	13.152	0.007	1	10181	24.8	
49 Dibenz(a,h)anthracene	278	13.195	13.202	-0.007	1	2321	5.36	M
51 Benzo[g,h,i]perylene	276	13.621	13.621	0.0	1	8390	18.7	

QC Flag Legend

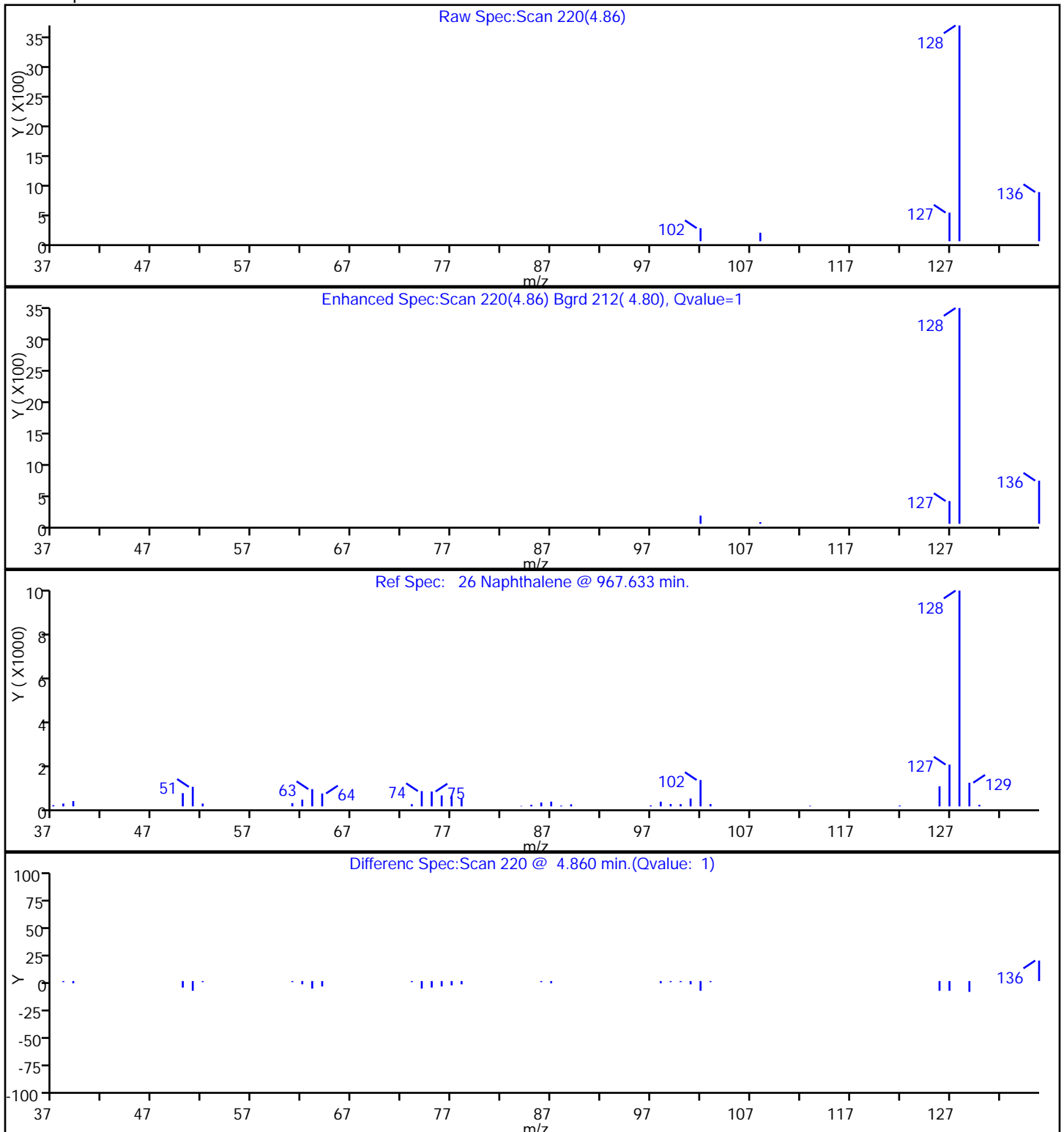
Review Flags

M - Manually Integrated

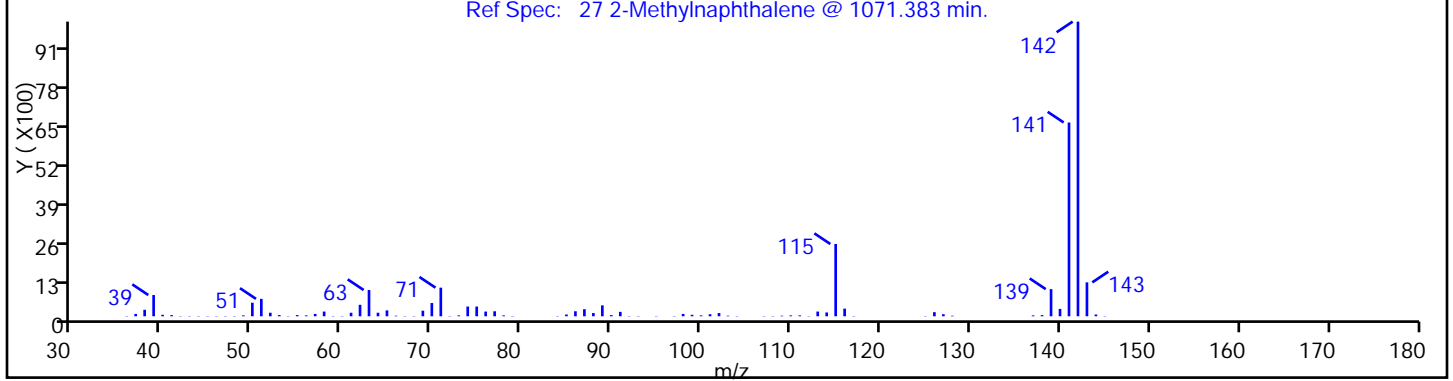
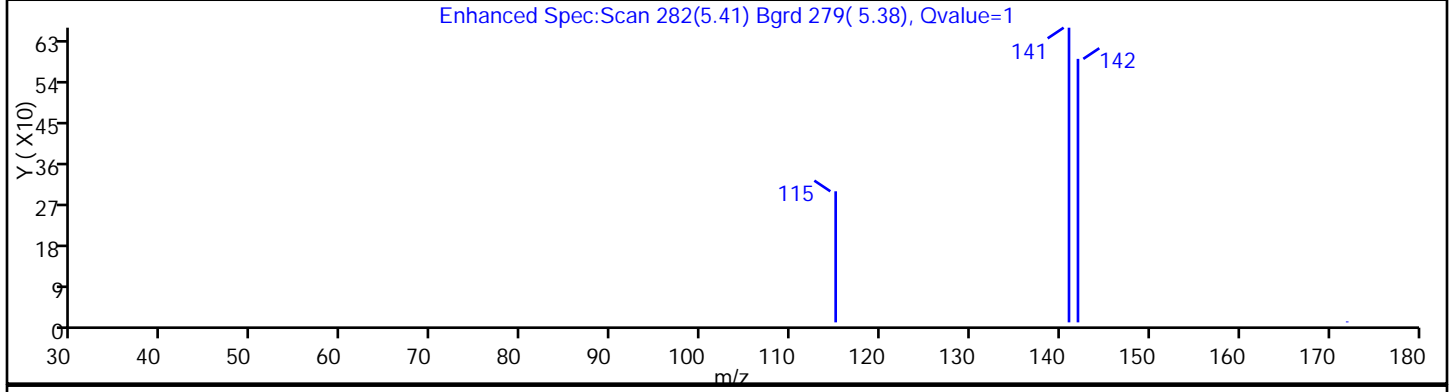
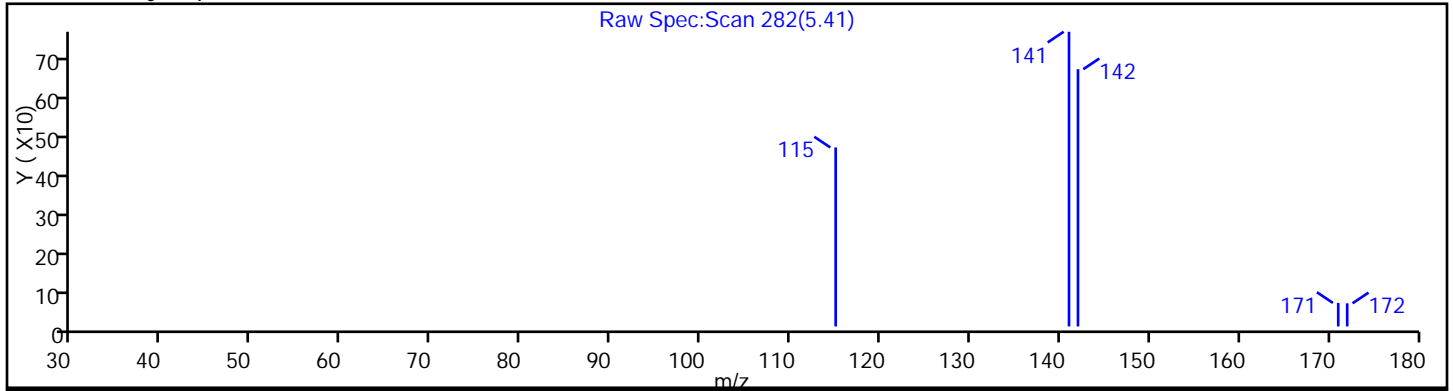
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



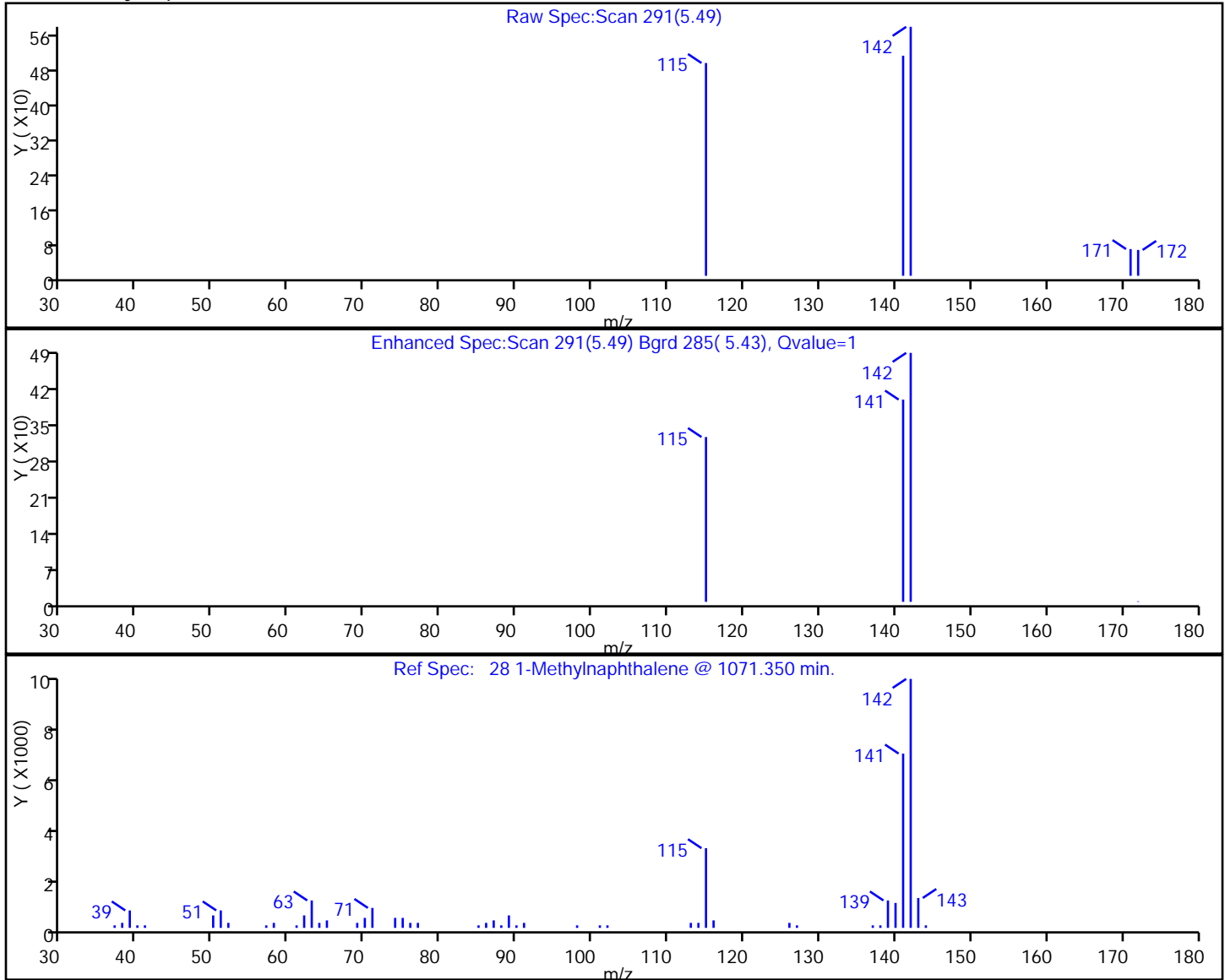
26 Naphthalene



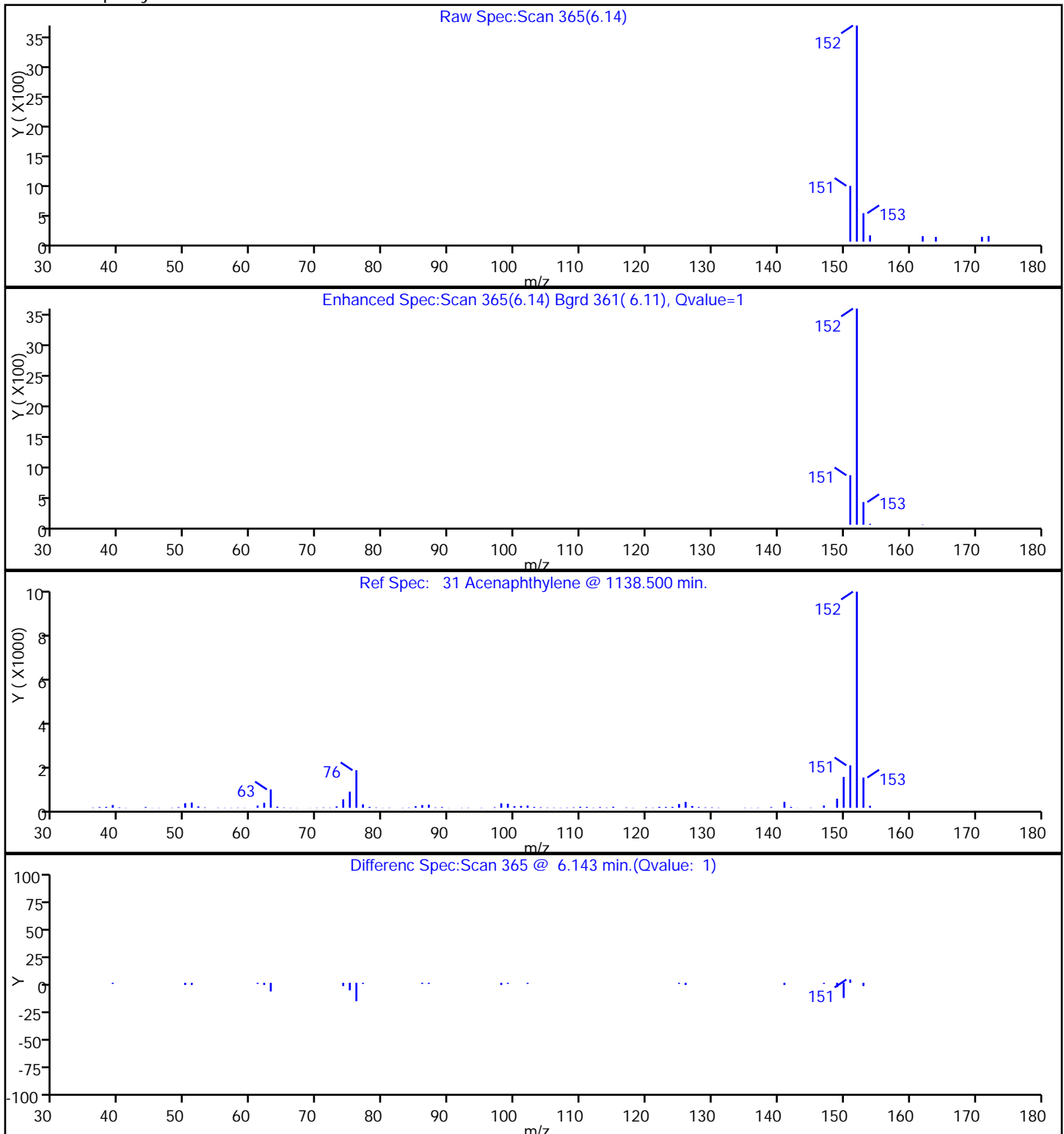
27 2-Methylnaphthalene



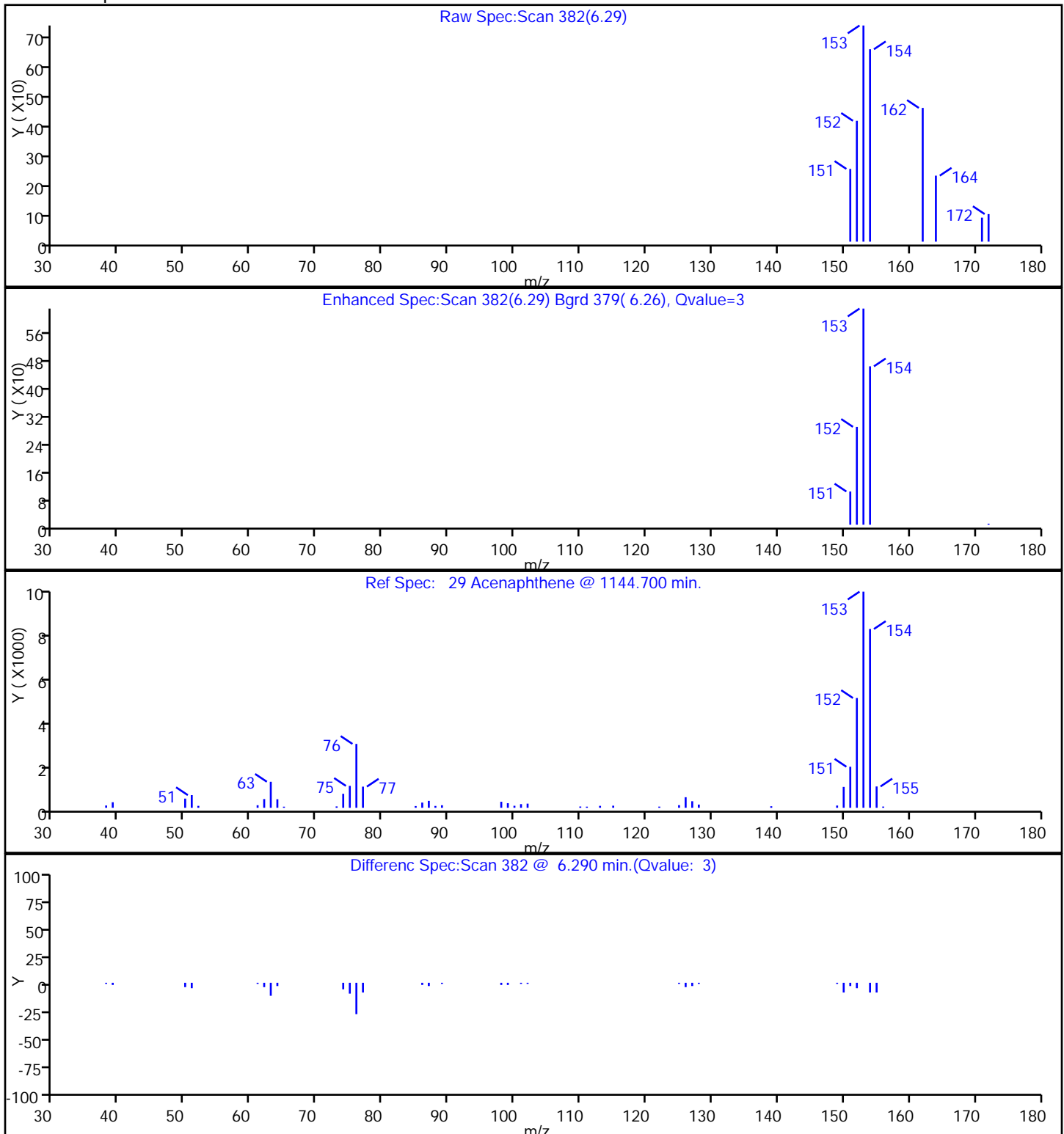
28 1-Methylnaphthalene



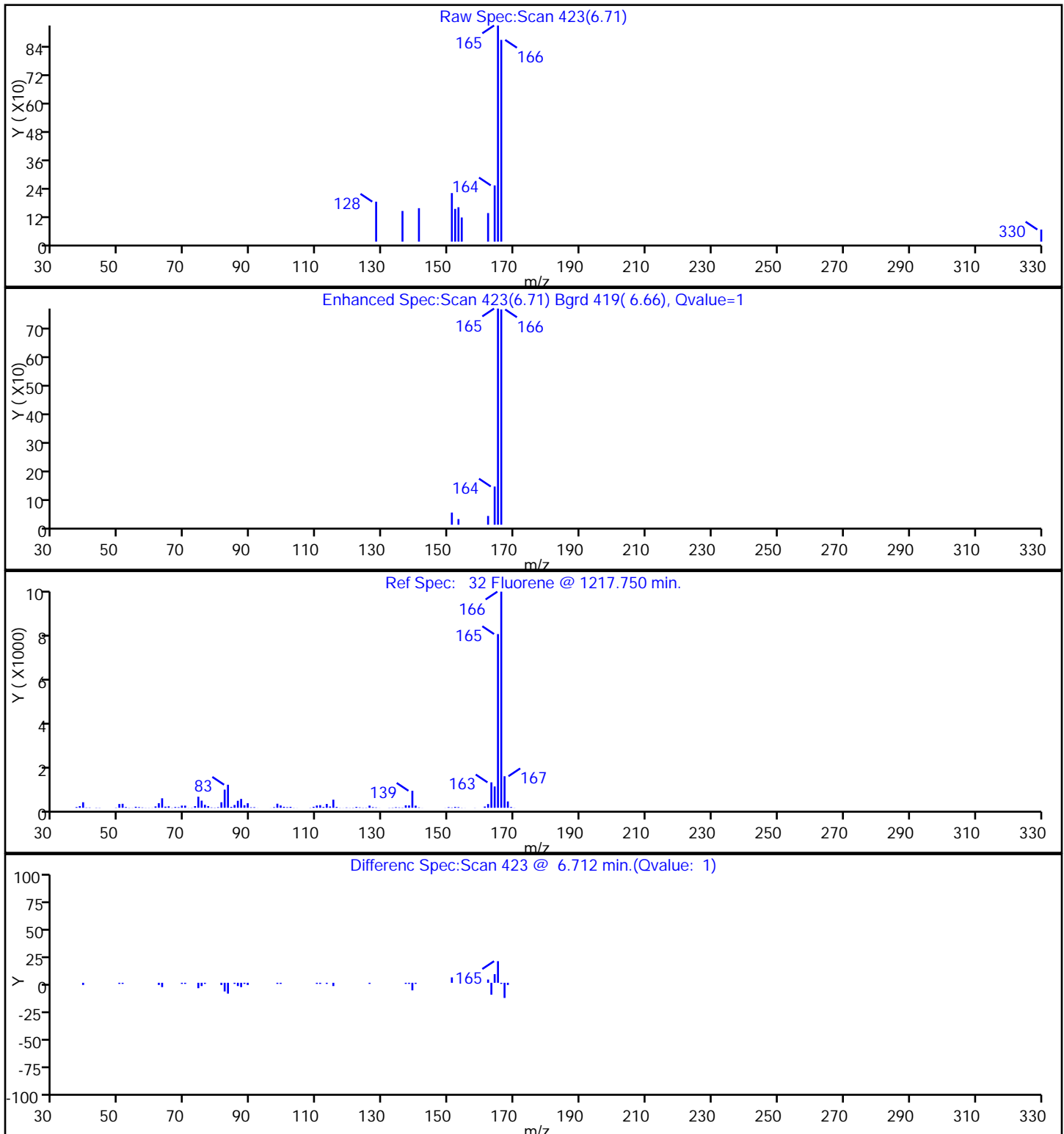
31 Acenaphthylene



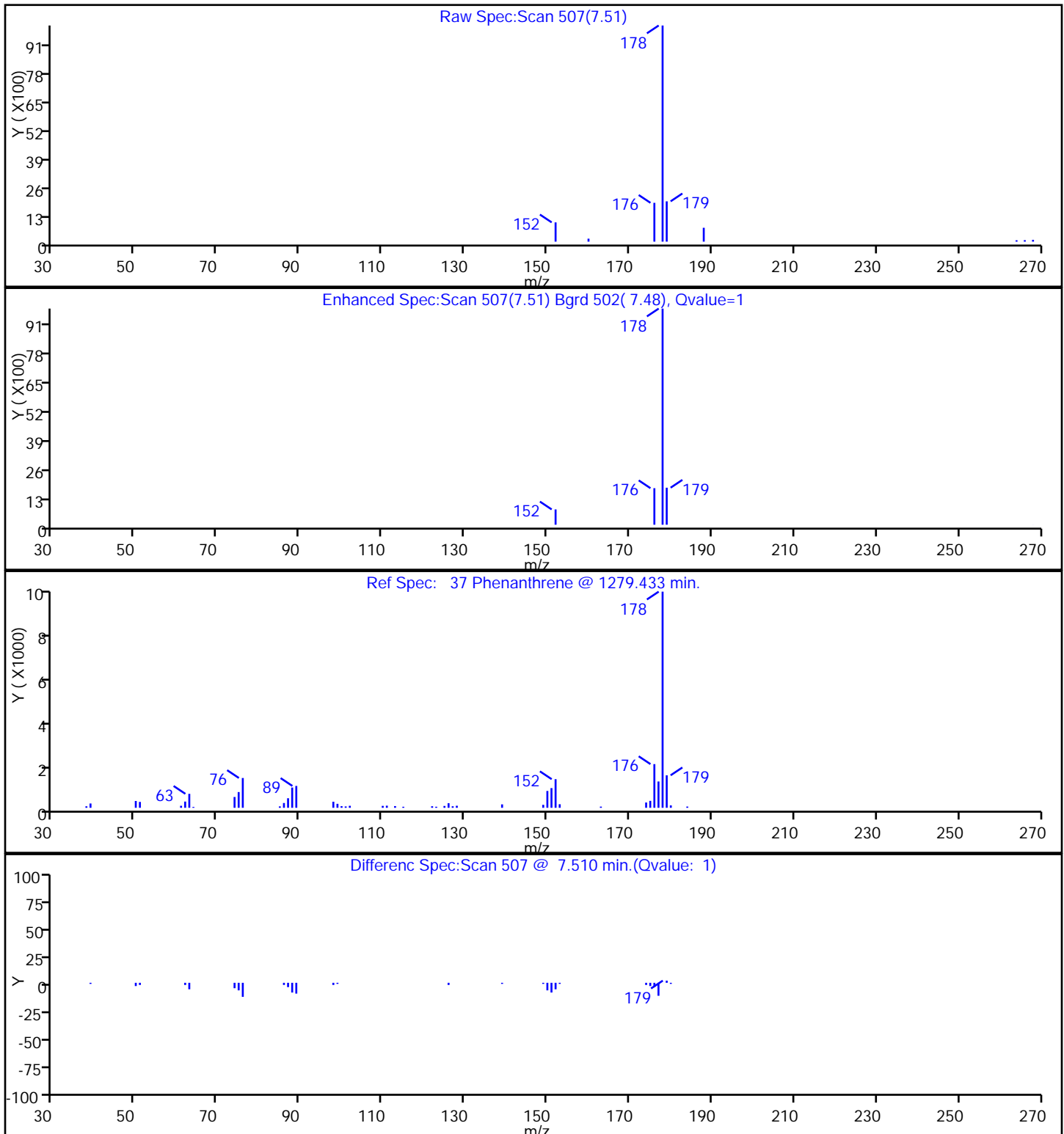
29 Acenaphthene



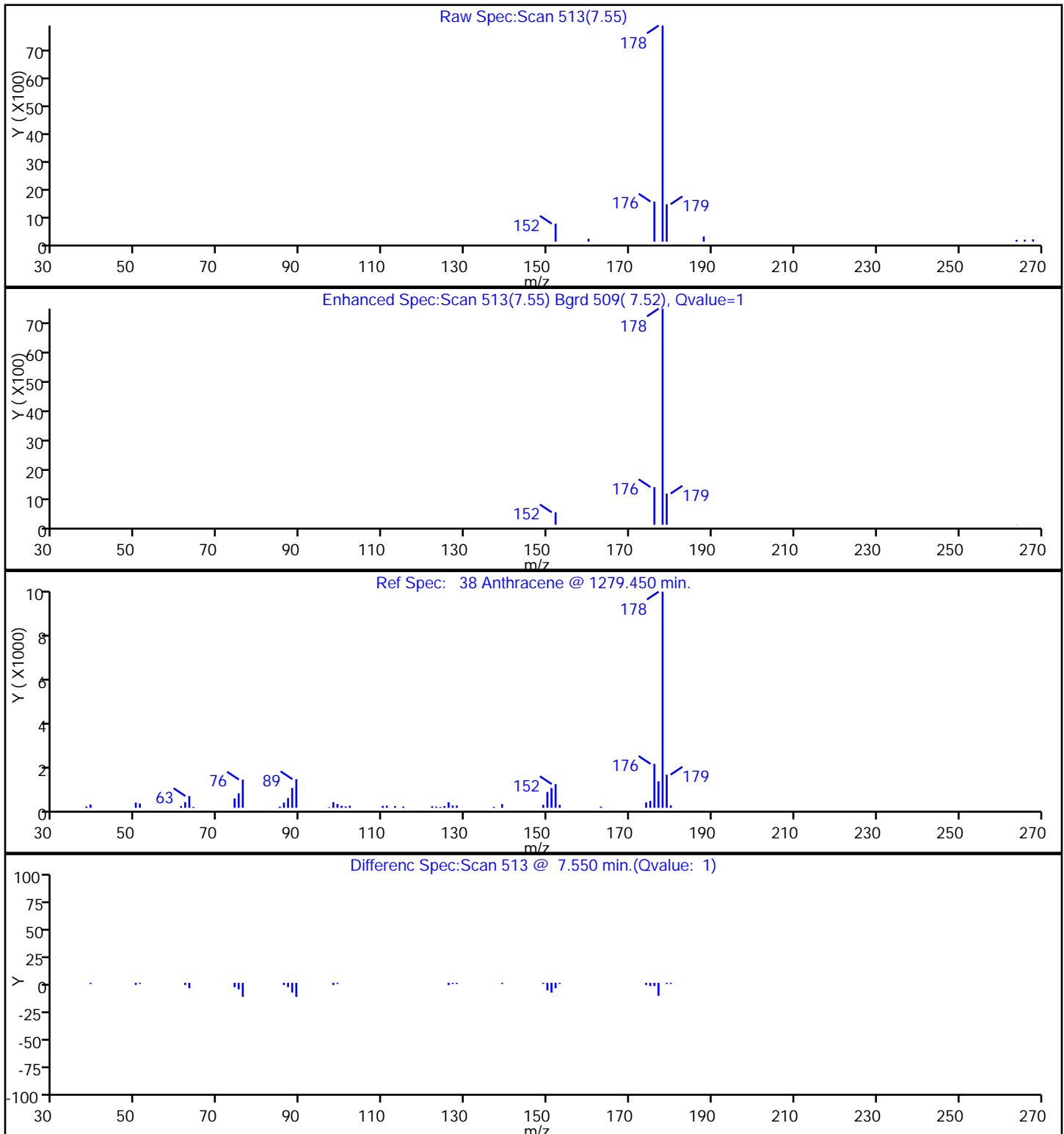
32 Fluorene



37 Phenanthrene



38 Anthracene



Report Date: 25-May-2012 16:21:46

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28013.D

Injection Date: 25-May-2012 14:22:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-UR-COMP-120508

Instrument ID: TAC023

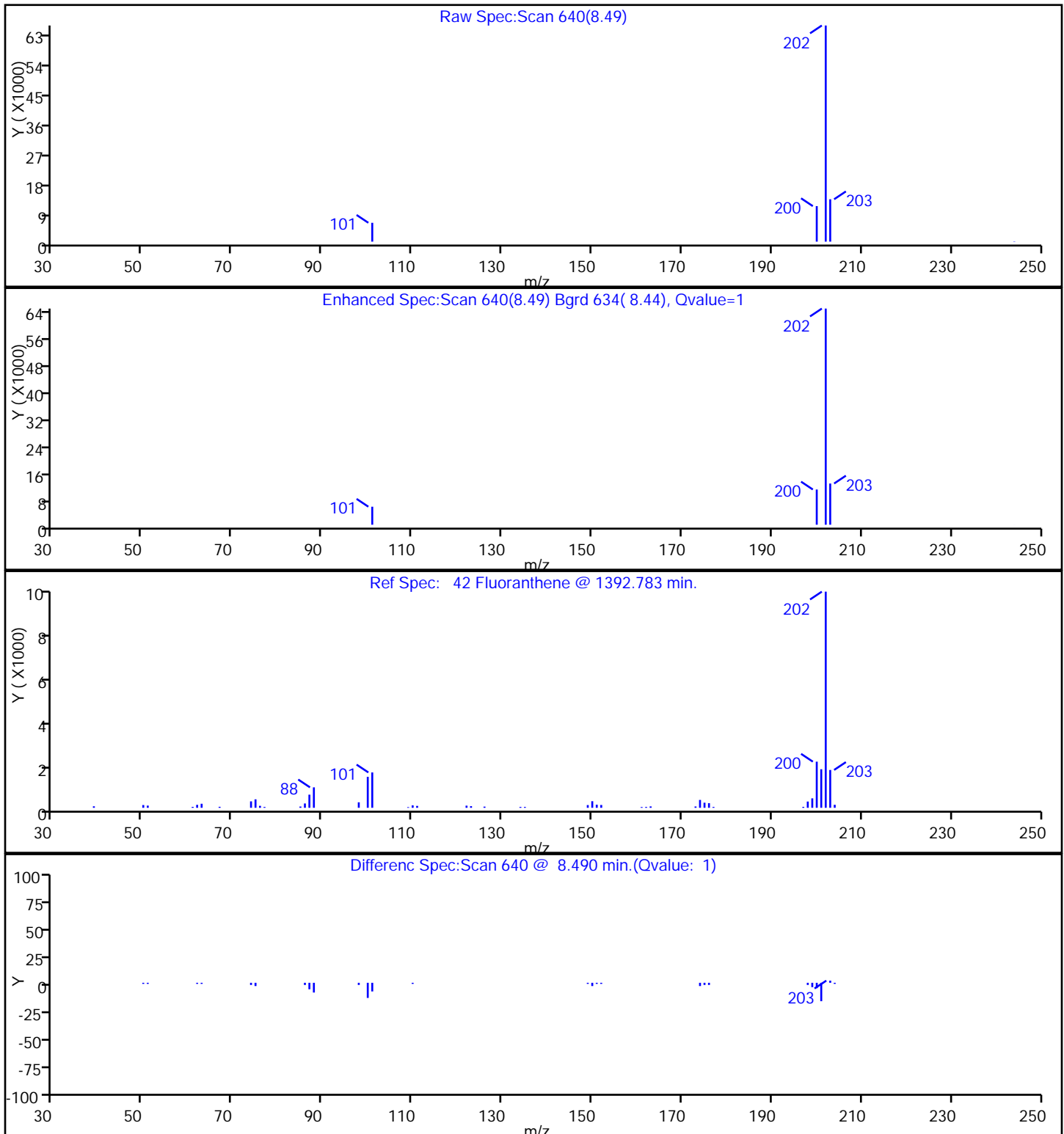
Lims Batch ID: 112072

Lims Sample ID: 10

Operator ID: bat

Injection Vol: 1.00 ul

42 Fluoranthene



Report Date: 25-May-2012 16:21:46

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28013.D

Injection Date: 25-May-2012 14:22:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-UR-COMP-120508

Instrument ID: TAC023

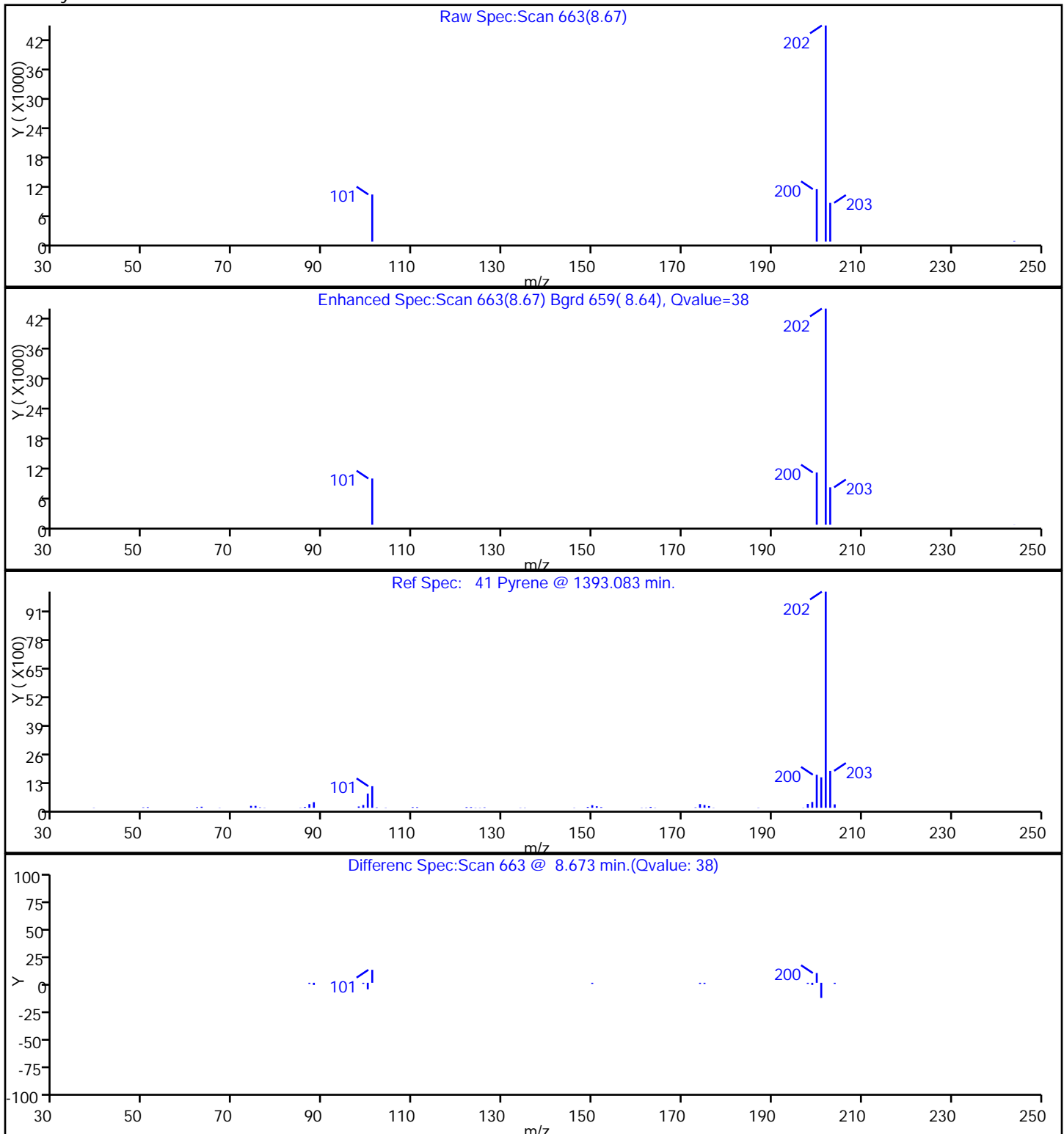
Lims Batch ID: 112072

Lims Sample ID: 10

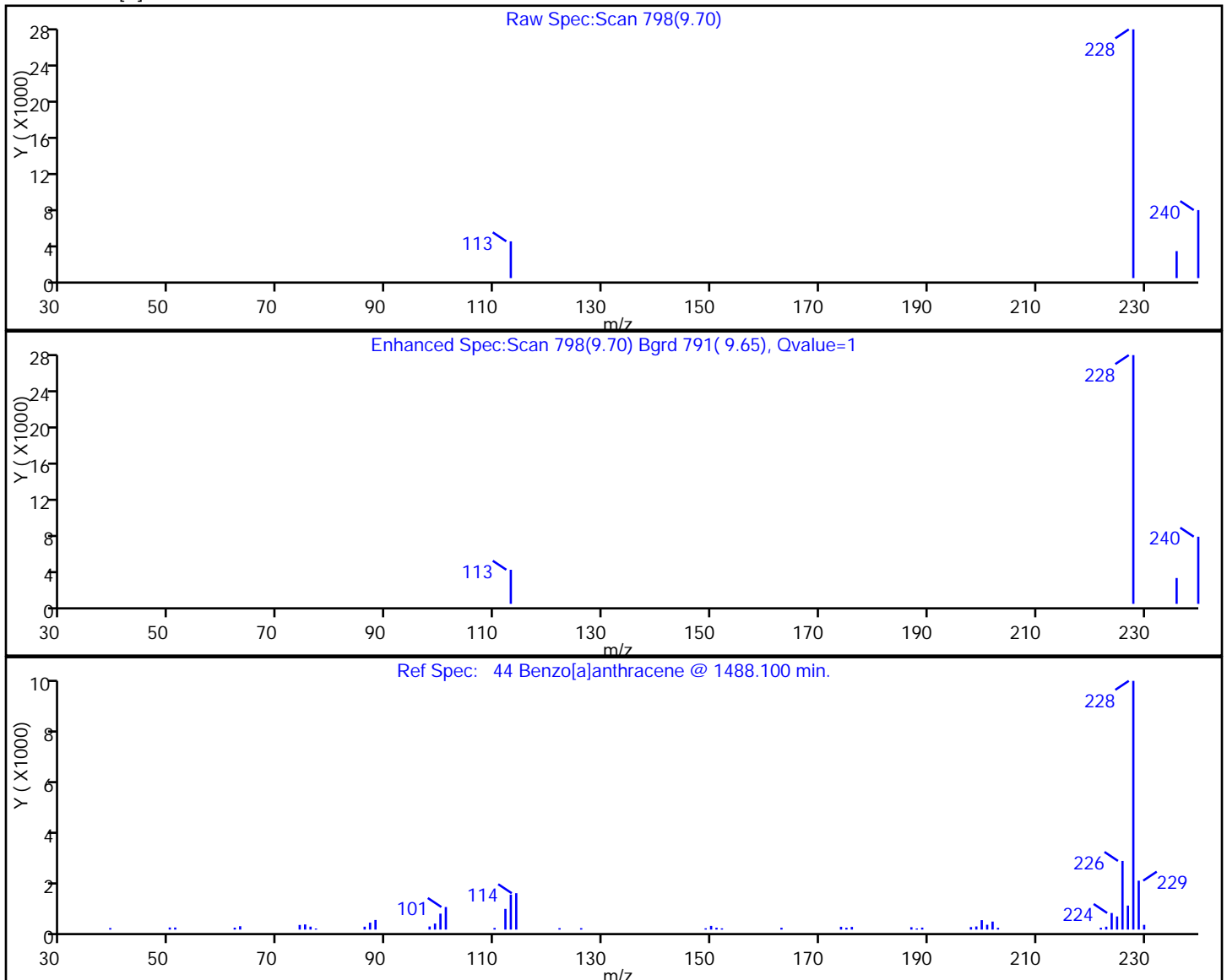
Operator ID: bat

Injection Vol: 1.00 ul

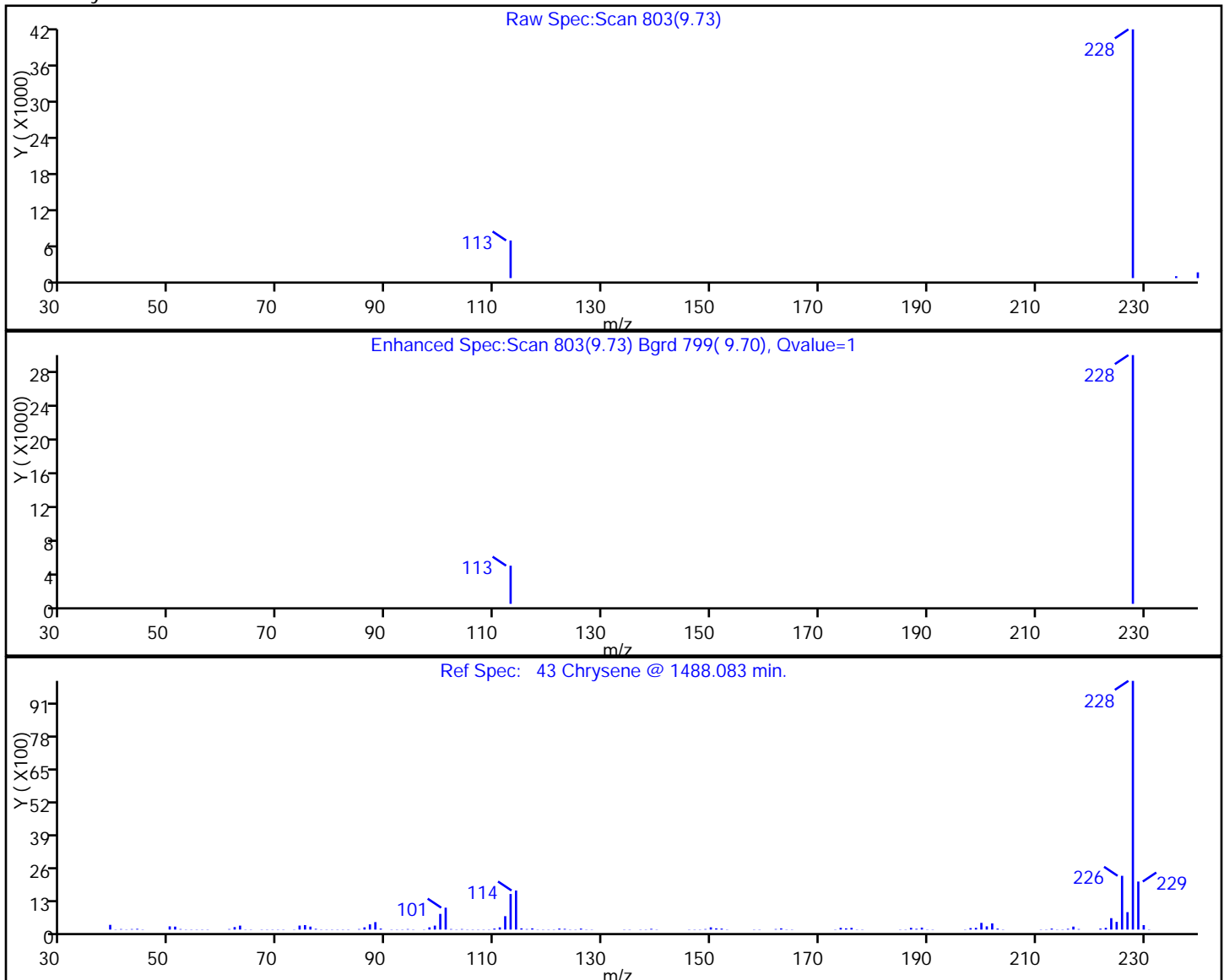
41 Pyrene



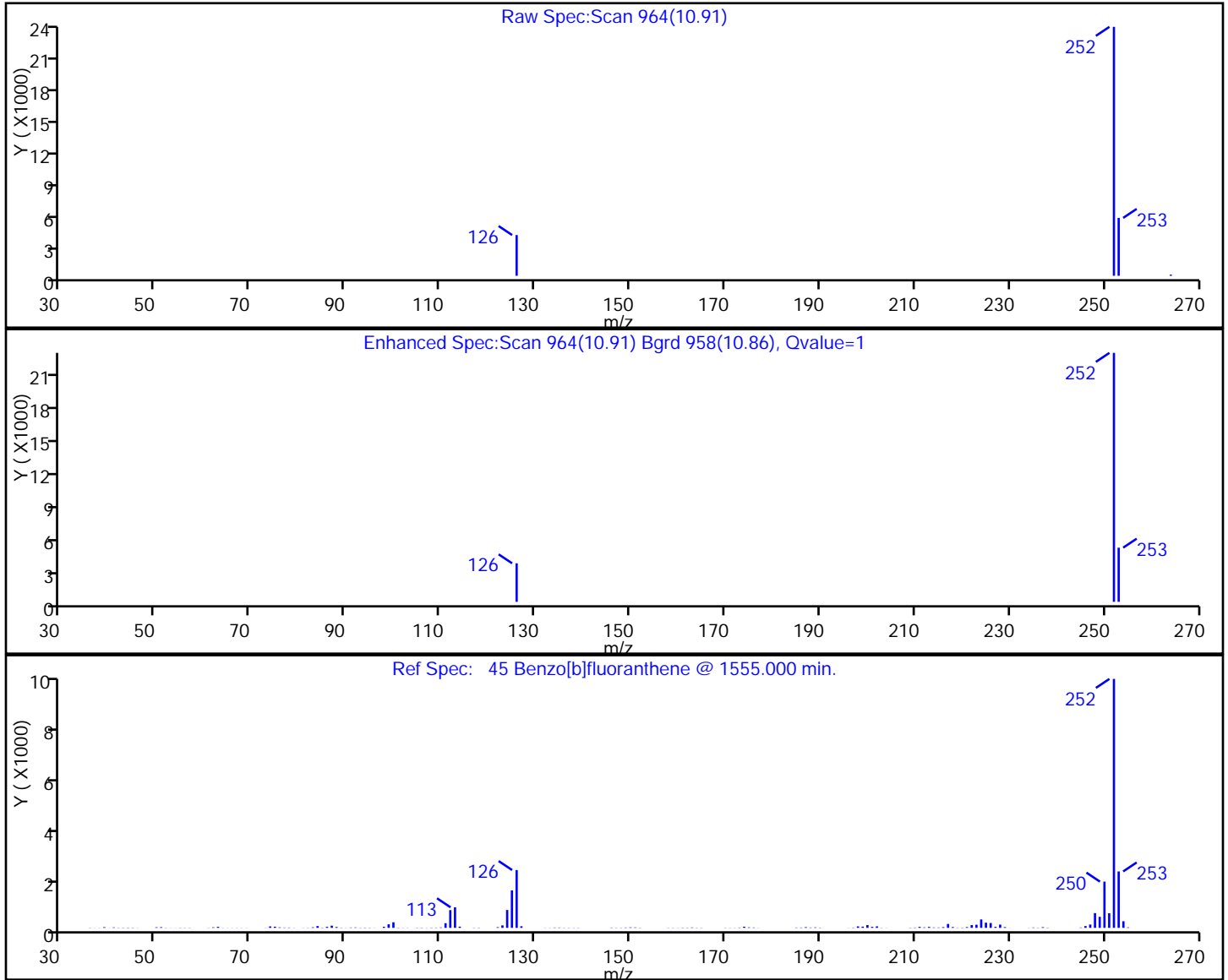
44 Benzo[a]anthracene



43 Chrysene



45 Benzo[b]fluoranthene



Report Date: 25-May-2012 16:21:46

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28013.D

Injection Date: 25-May-2012 14:22:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-UR-COMP-120508

Instrument ID: TAC023

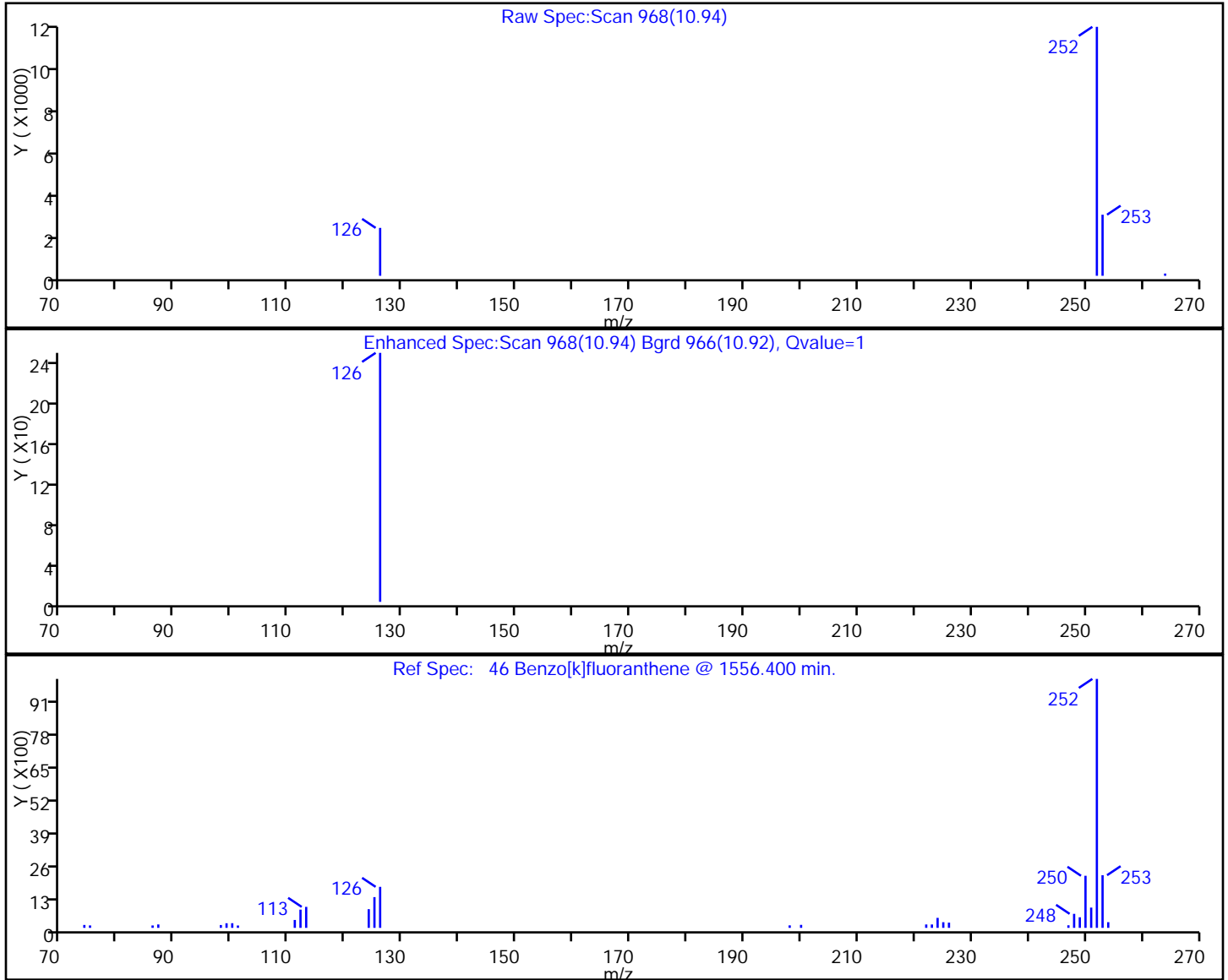
Lims Batch ID: 112072

Lims Sample ID: 10

Operator ID: bat

Injection Vol: 1.00 ul

46 Benzo[k]fluoranthene



Report Date: 25-May-2012 16:21:46

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28013.D

Injection Date: 25-May-2012 14:22:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-UR-COMP-120508

Instrument ID: TAC023

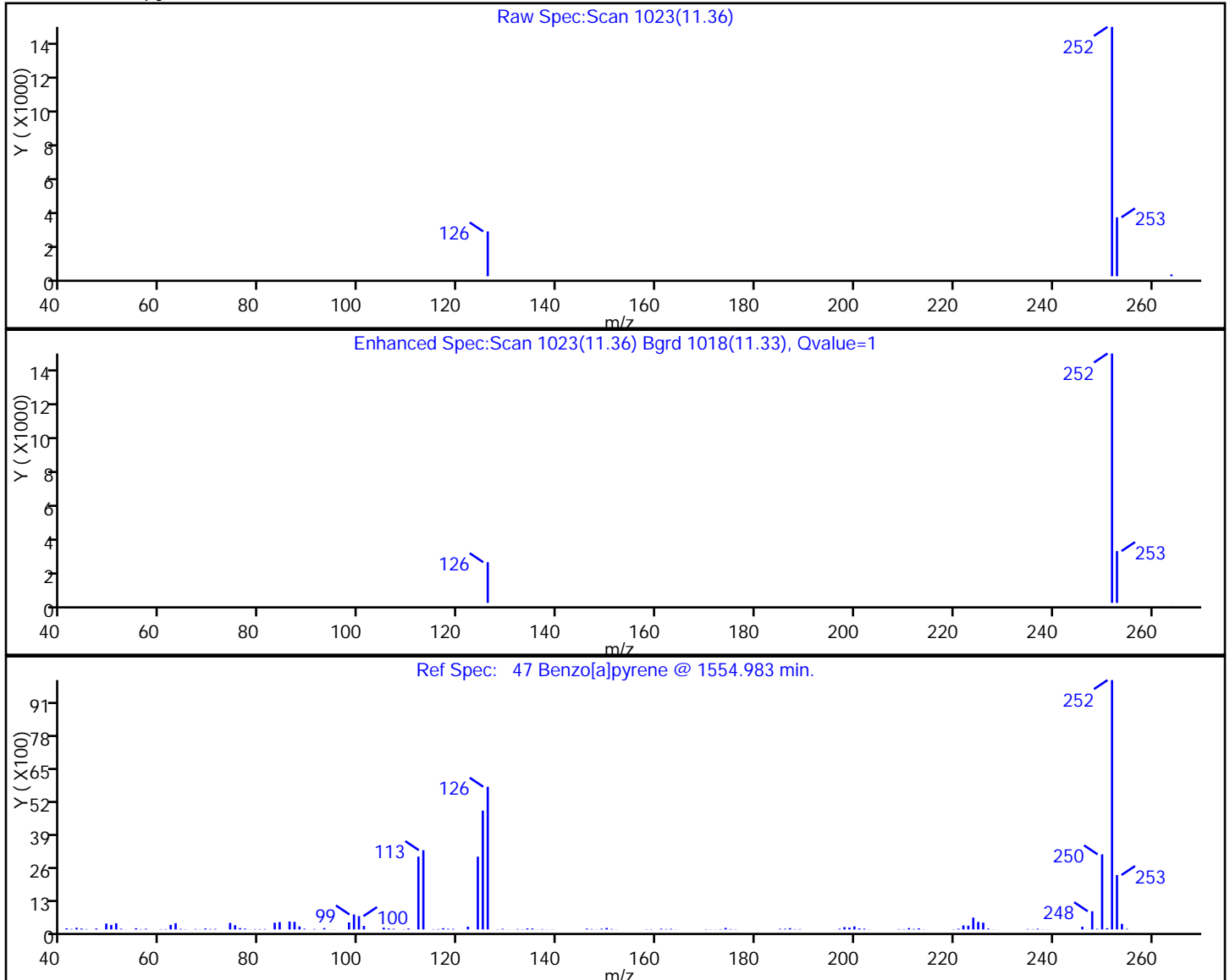
Lims Batch ID: 112072

Lims Sample ID: 10

Operator ID: bat

Injection Vol: 1.00 ul

47 Benzo[a]pyrene



Report Date: 25-May-2012 16:21:46

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28013.D

Injection Date: 25-May-2012 14:22:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-UR-COMP-120508

Instrument ID: TAC023

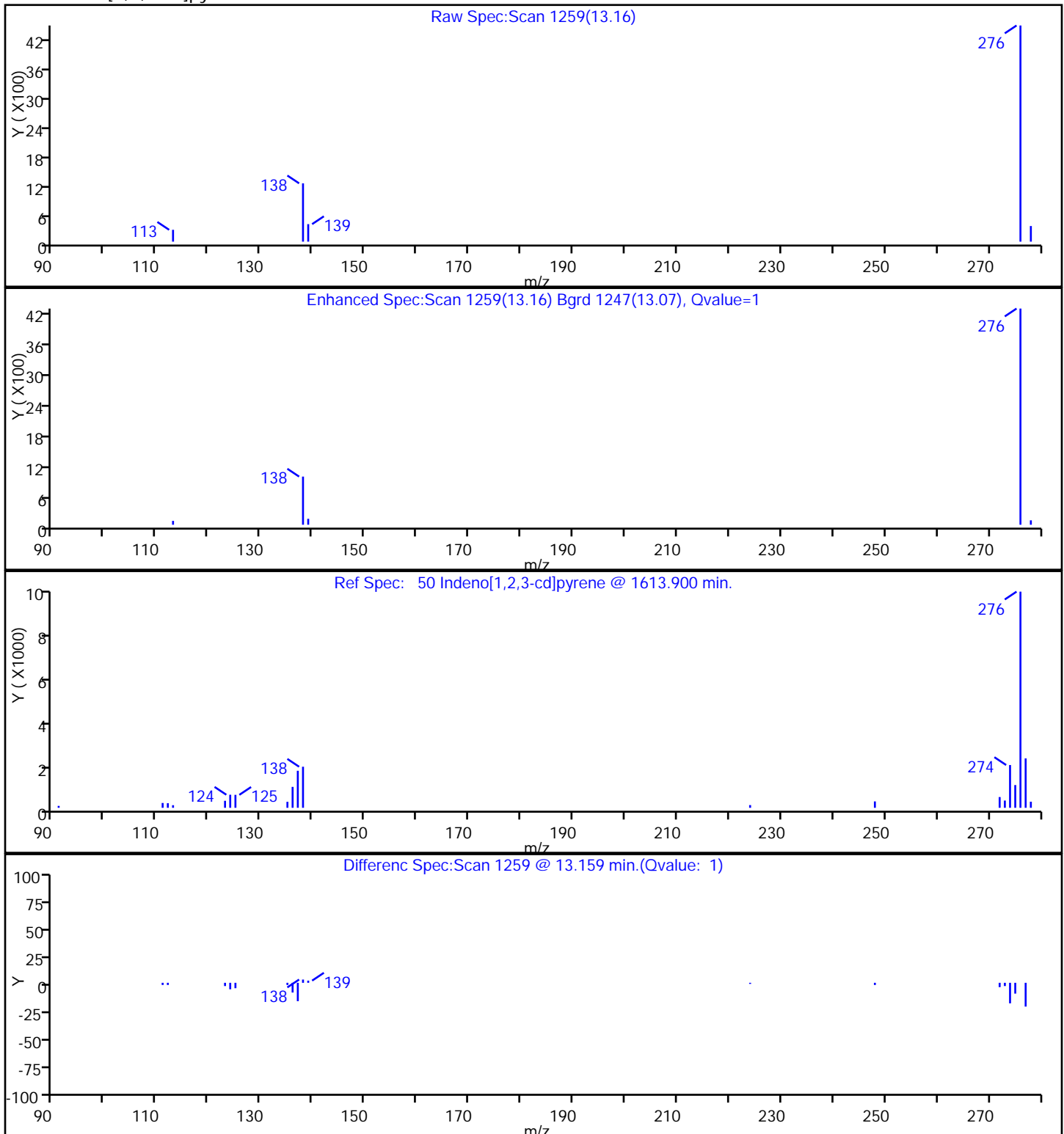
Lims Batch ID: 112072

Lims Sample ID: 10

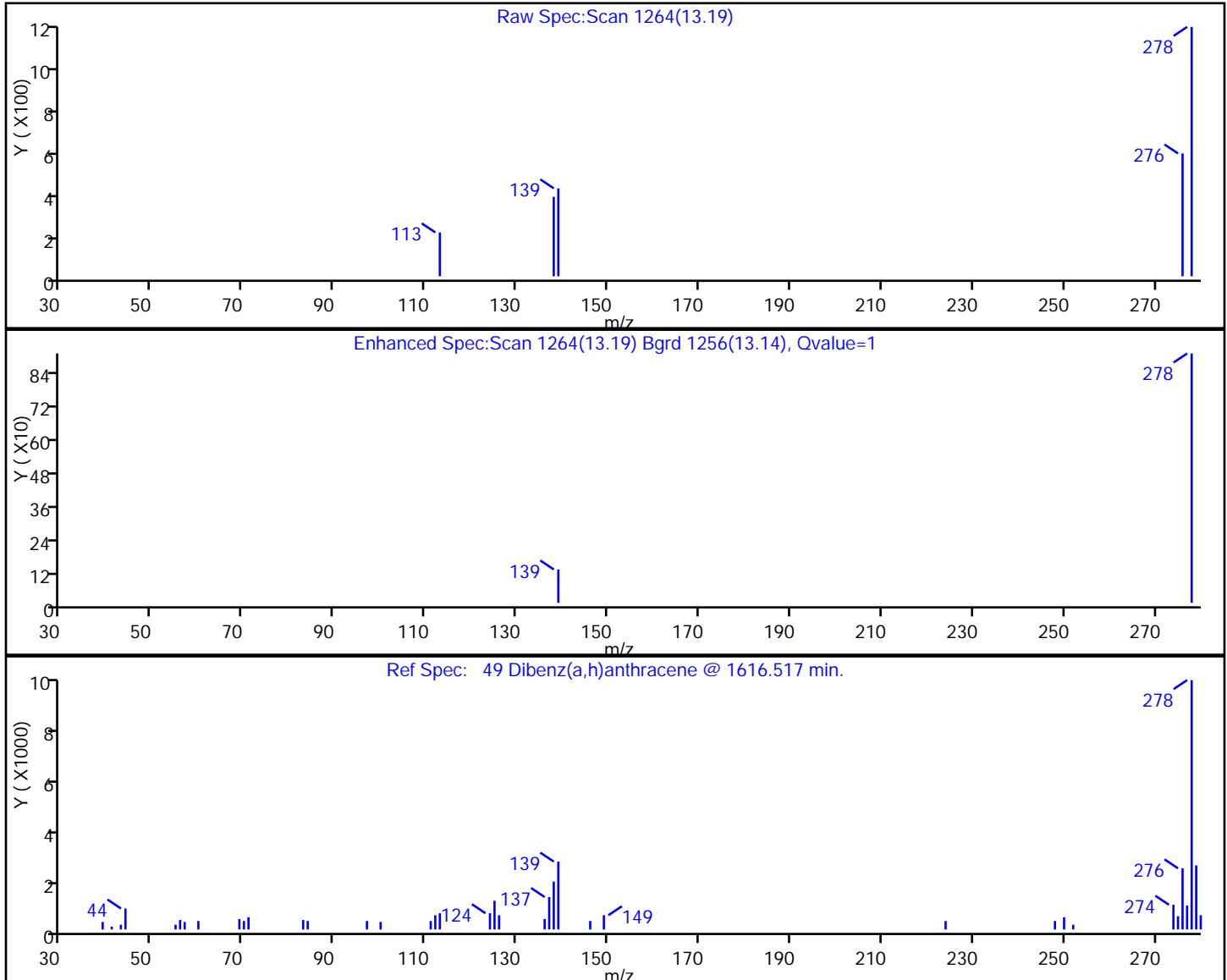
Operator ID: bat

Injection Vol: 1.00 ul

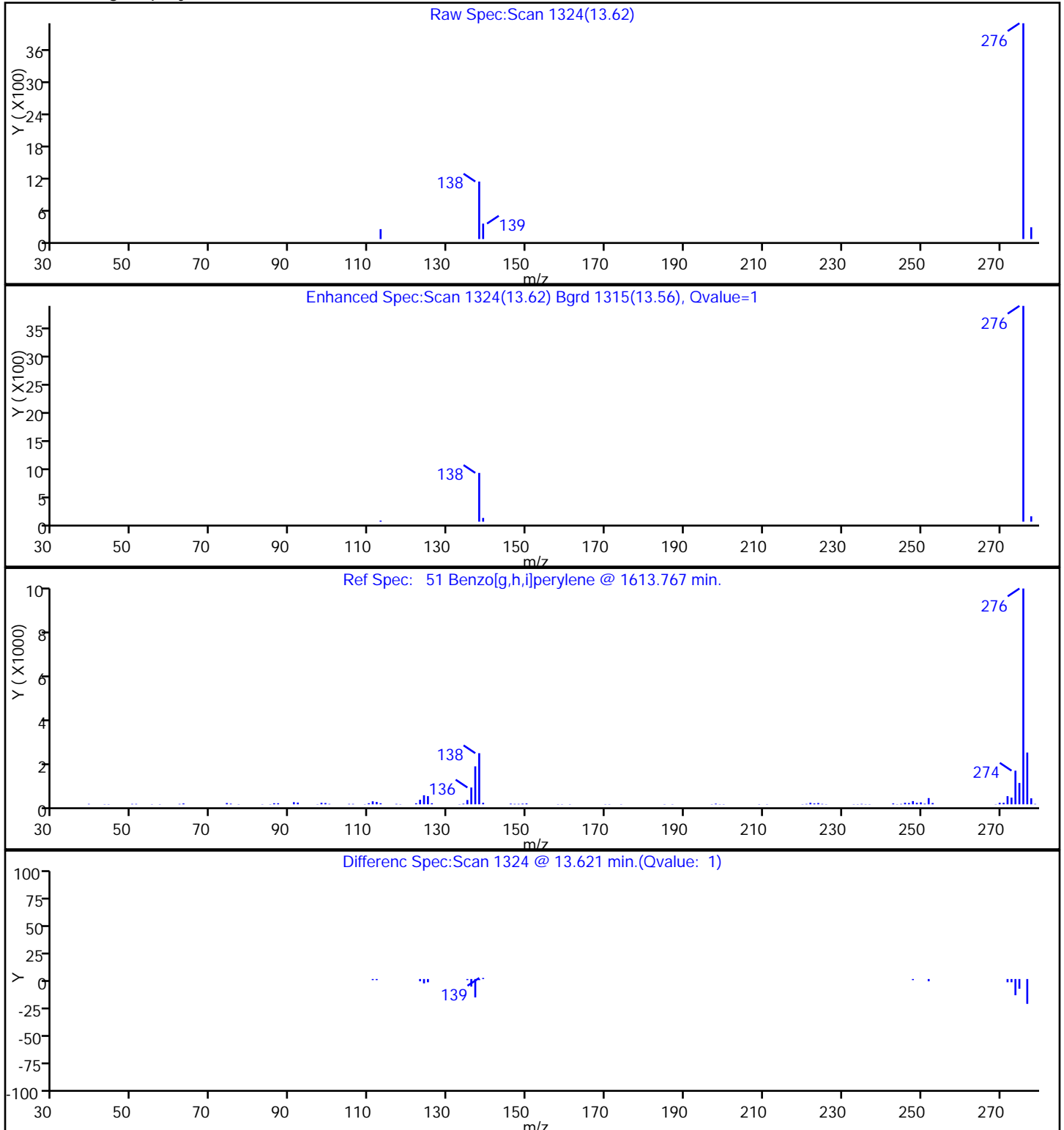
50 Indeno[1,2,3-cd]pyrene



49 Dibenz(a,h)anthracene



51 Benzo[g,h,i]perylene

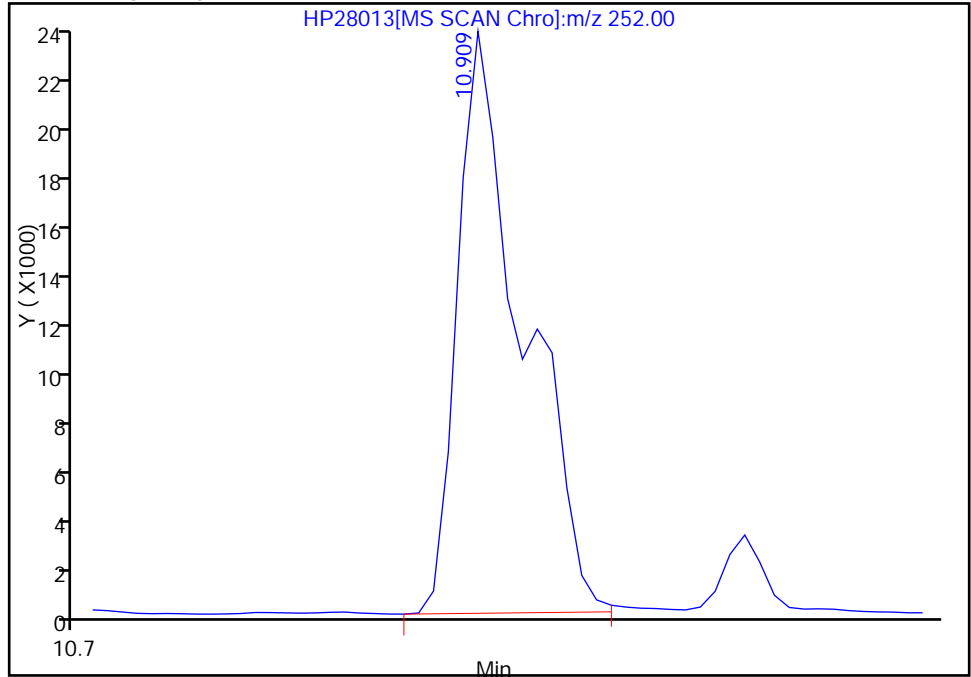


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28013.D
Injection Date: 25-May-2012 14:22:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-UR-COMP-120508 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 10
Operator ID: bat Injection Vol: 1.00 ul

45 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.91

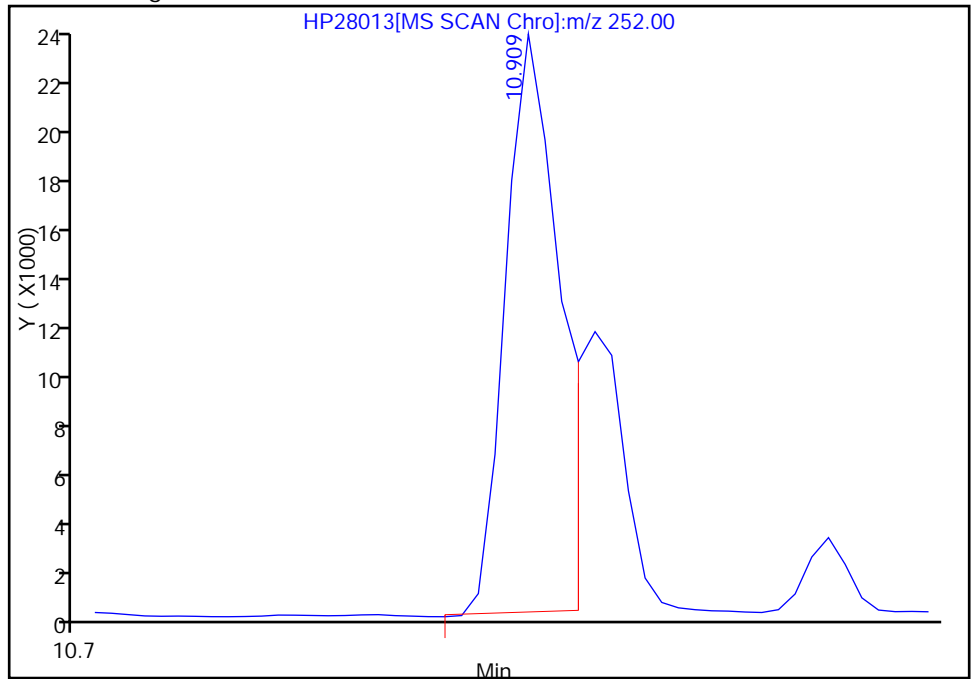
RT: 10.91
Response: 53641
Amount: 105.5386

Processing Integration Results



RT: 10.91
Response: 37824
Amount: 74.418657

Manual Integration Results



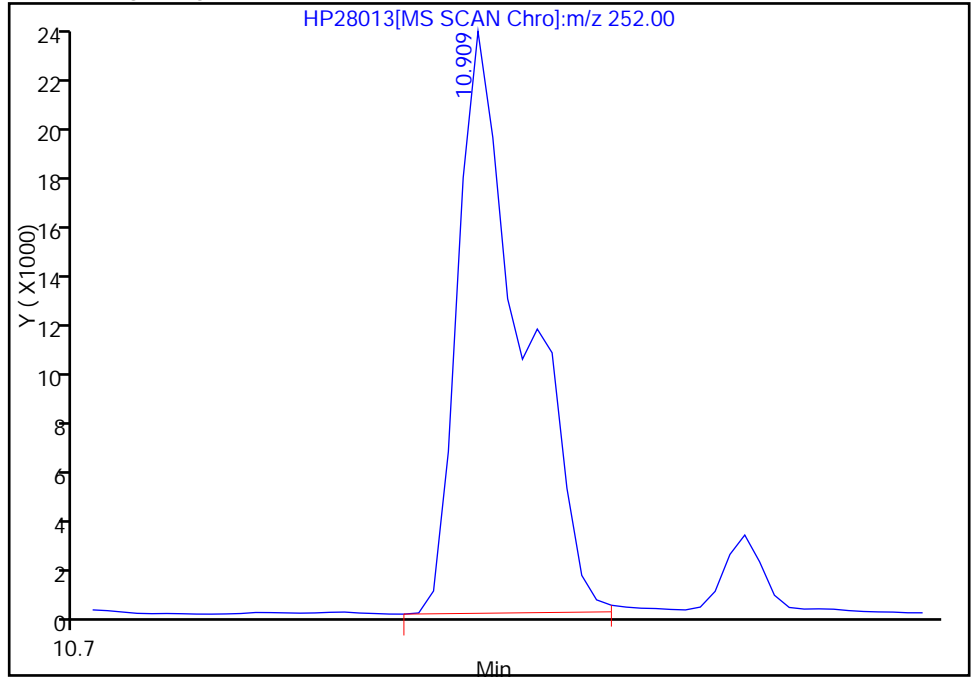
Reviewer: tadesseb, 25-May-2012 16:21:46
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28013.D
Injection Date: 25-May-2012 14:22:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-UR-COMP-120508 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 10
Operator ID: bat Injection Vol: 1.00 ul

46 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.95

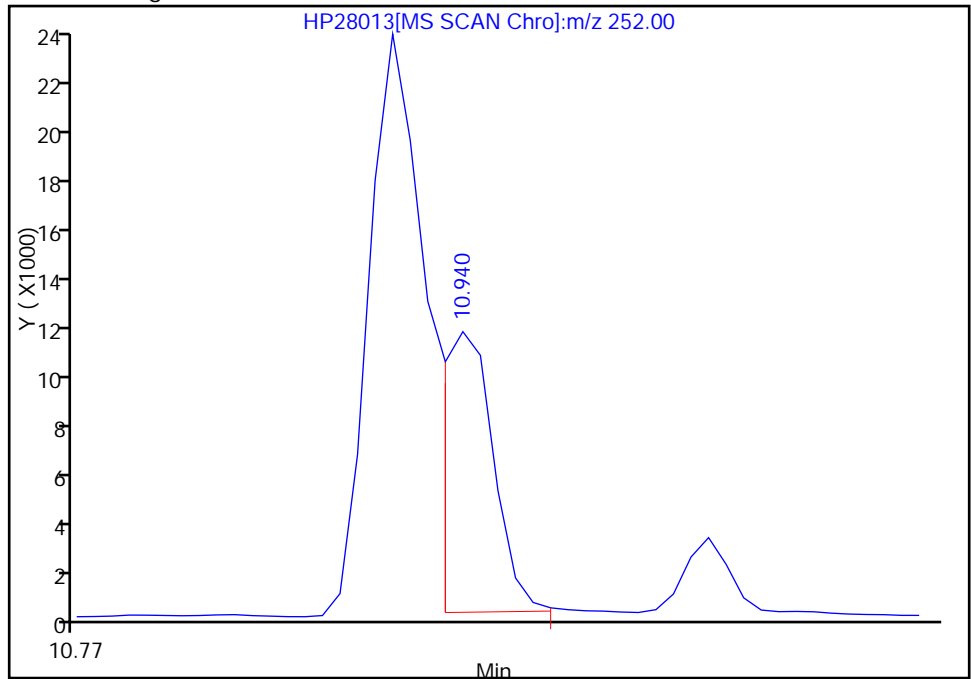
RT: 10.91
Response: 53641
Amount: 104.2029

Processing Integration Results



RT: 10.94
Response: 14969
Amount: 29.078759

Manual Integration Results



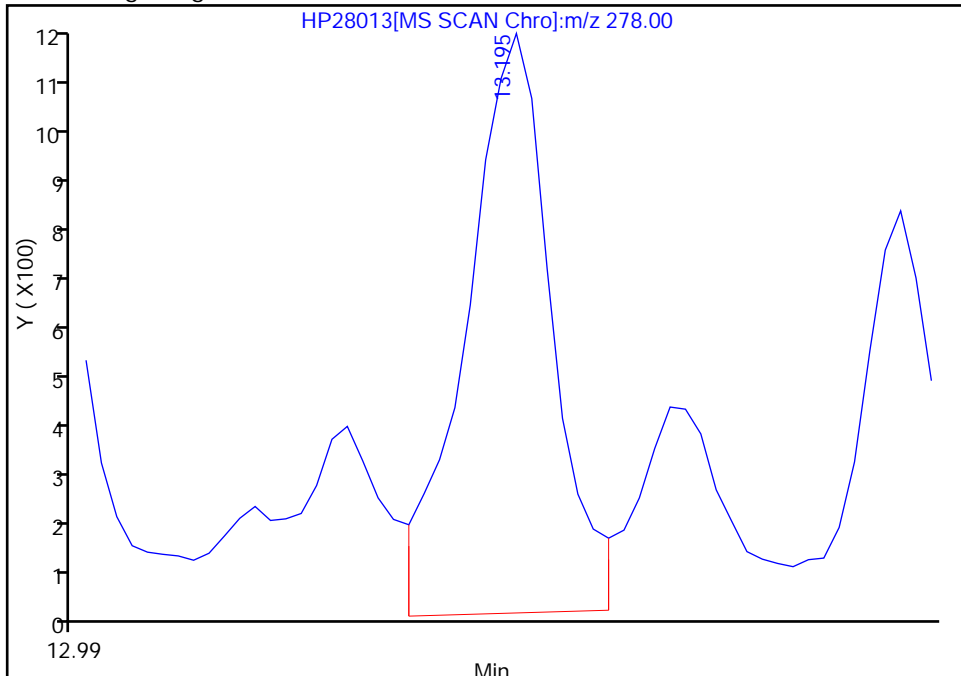
Reviewer: tadesseb, 25-May-2012 16:21:46
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28013.D
Injection Date: 25-May-2012 14:22:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-UR-COMP-120508 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 10
Operator ID: bat Injection Vol: 1.00 ul

49 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 13.20

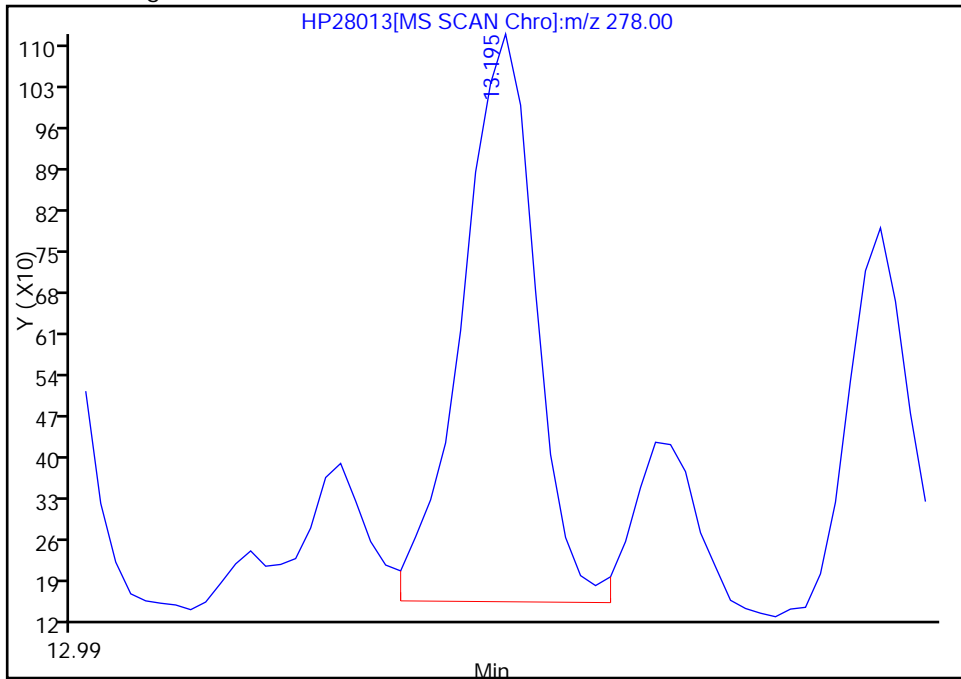
RT: 13.19
Response: 2926
Amount: 6.757841

Processing Integration Results



RT: 13.19
Response: 2321
Amount: 5.360543

Manual Integration Results



Reviewer: tadesseb, 25-May-2012 16:21:46
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Client Sample ID: JW-DR-COMP-120508 Lab Sample ID: 580-32844-10
 Matrix: Solid Lab File ID: HP28014.D
 Analysis Method: 8270C SIM Date Collected: 05/08/2012 14:32
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:30
 Sample wt/vol: 20.0203(g) Date Analyzed: 05/25/2012 14:44
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 49.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	ND		0.99	0.40
91-57-6	2-Methylnaphthalene	ND		0.99	0.40
90-12-0	1-Methylnaphthalene	ND		0.99	0.30
208-96-8	Acenaphthylene	ND		0.99	0.30
83-32-9	Acenaphthene	ND		0.99	0.30
86-73-7	Fluorene	ND		0.99	0.30
85-01-8	Phenanthrene	0.76	J	0.99	0.30
120-12-7	Anthracene	0.36	J	0.99	0.30
206-44-0	Fluoranthene	1.7		0.99	0.30
129-00-0	Pyrene	1.6		0.99	0.30
56-55-3	Benzo[a]anthracene	0.85	J	0.99	0.30
218-01-9	Chrysene	1.7		0.99	0.30
205-99-2	Benzo[b]fluoranthene	1.6		0.99	0.30
207-08-9	Benzo[k]fluoranthene	0.59	J	0.99	0.30
50-32-8	Benzo[a]pyrene	0.98	J	0.99	0.30
193-39-5	Indeno[1,2,3-cd]pyrene	0.69	J	0.99	0.30
53-70-3	Dibenz(a,h)anthracene	ND		0.99	0.30
191-24-2	Benzo[g,h,i]perylene	0.55	J	0.99	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	65		42-151

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28014.D
 Lims ID: 580-32844-C-10-A Client ID: JW-DR-COMP-120508
 Inject. Date: 25-May-2012 14:44:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 580-32844-c-10-a
 Misc. Info.: 580-0023449-011 =580-0023449-011
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 112072 Lims Sample ID: 11
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb Date: 25-May-2012 16:22:45

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.848	3.859	-0.011	1	15808	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	41769	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	22847	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	35478	98.0	
* 5 Chrysene-d12	240	9.709	9.709	0.0	1	38828	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	32359	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	102100	742.3	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	201055	584.0	
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	251024	653.8	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	184	0.6680	
31 Acenaphthylene	152	6.151	6.143	0.008	1	537	1.26	
32 Fluorene	166	6.712	6.712	0.0	1	342	1.15	
37 Phenanthrene	178	7.510	7.510	0.0	1	1702	3.83	
38 Anthracene	178	7.550	7.550	0.0	1	799	1.82	
42 Fluoranthene	202	8.490	8.490	0.0	1	4189	8.58	
41 Pyrene	202	8.680	8.680	0.0	41	3994	7.86	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	1874	4.30	
43 Chrysene	228	9.729	9.729	0.0	1	3919	8.66	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	3664	8.09	M
46 Benzo[k]fluoranthene	252	10.940	10.948	-0.008	1	1372	2.99	M
47 Benzo[a]pyrene	252	11.364	11.364	0.0	1	1993	4.93	
50 Indeno[1,2,3-cd]pyrene	276	13.159	13.152	0.007	1	1265	3.45	
51 Benzo[g,h,i]perylene	276	13.621	13.621	0.0	1	1107	2.76	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 25-May-2012 16:22:45

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28014.D

Injection Date: 25-May-2012 14:44:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-DR-COMP-120508

Instrument ID: TAC023

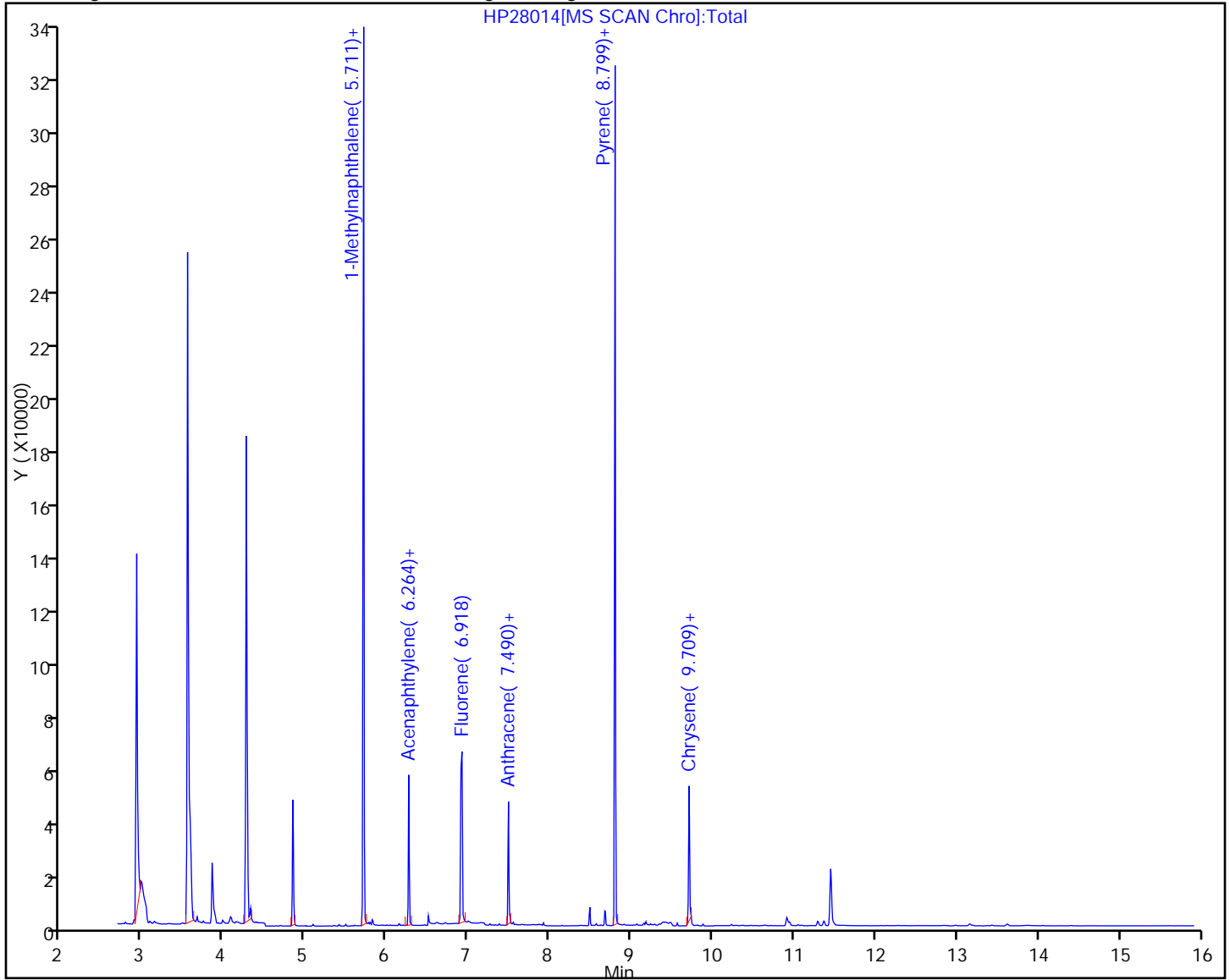
Lims Batch ID: 112072

Lims Sample ID: 11

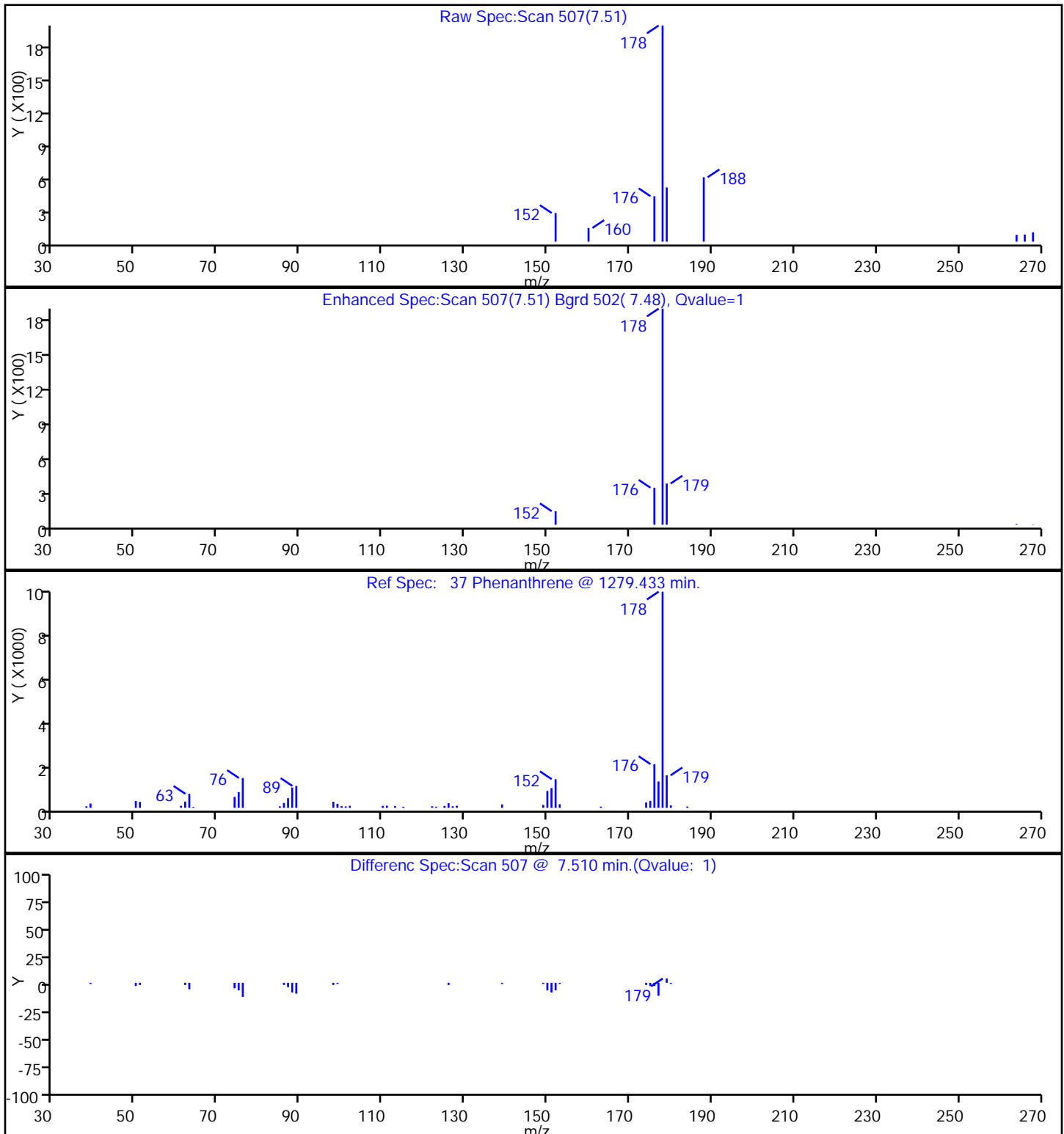
Operator ID: bat

Injection Vol: 1.00 ul

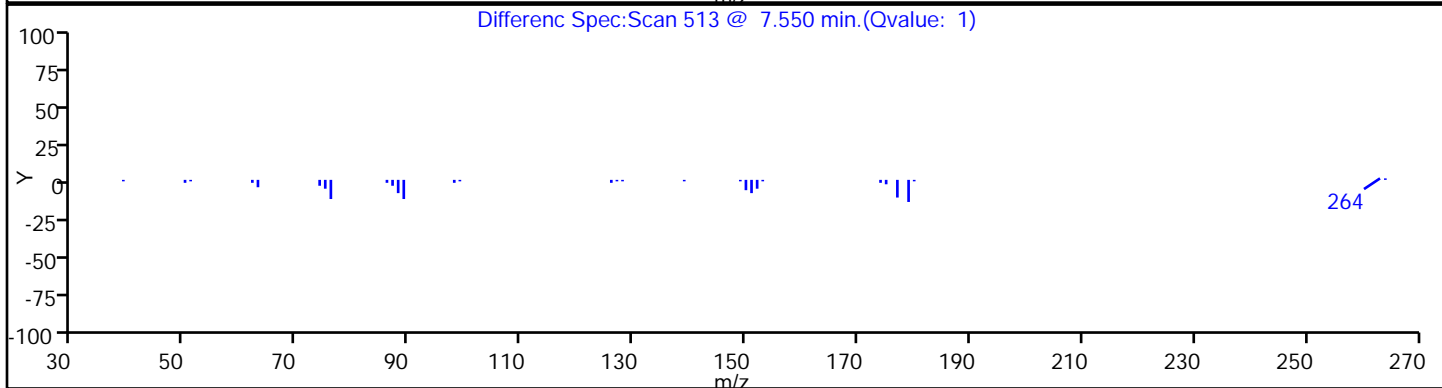
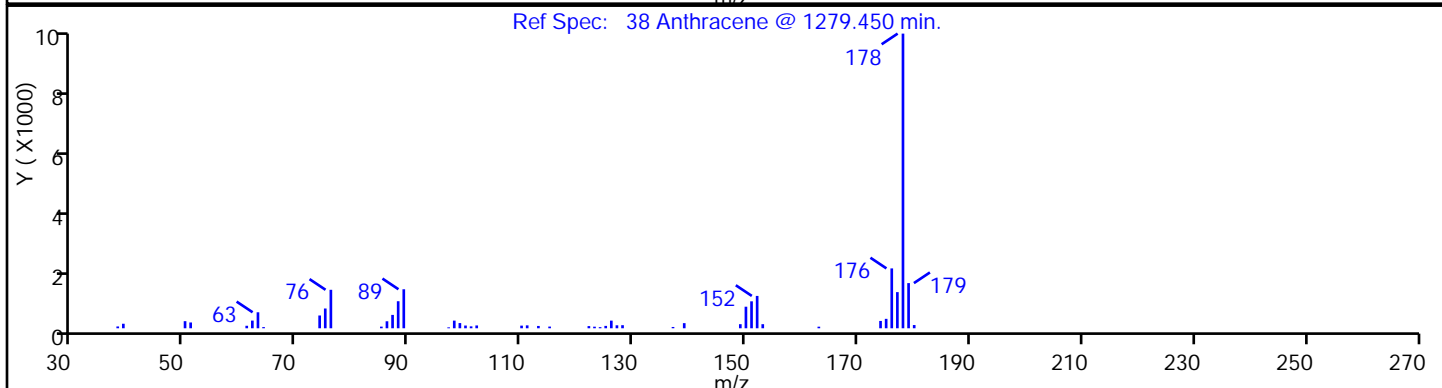
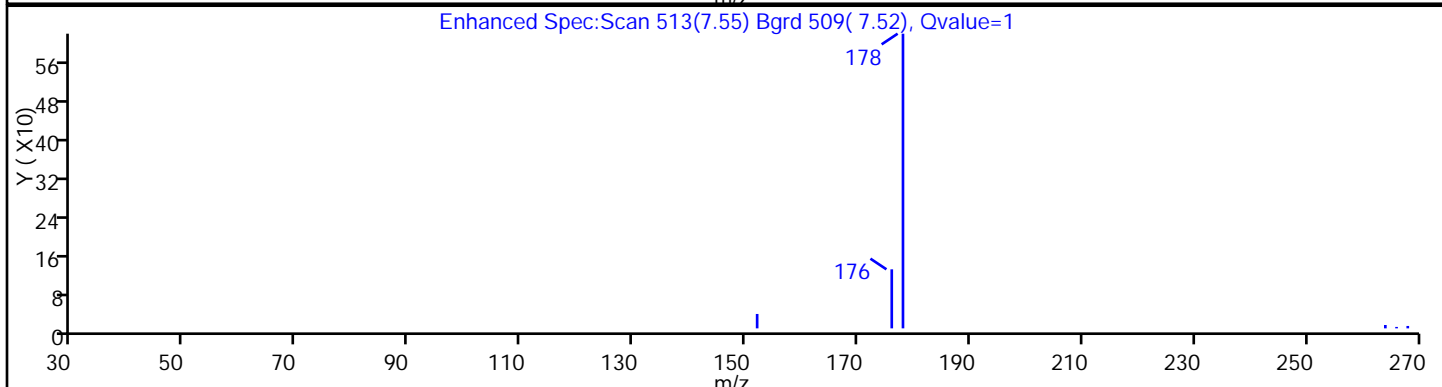
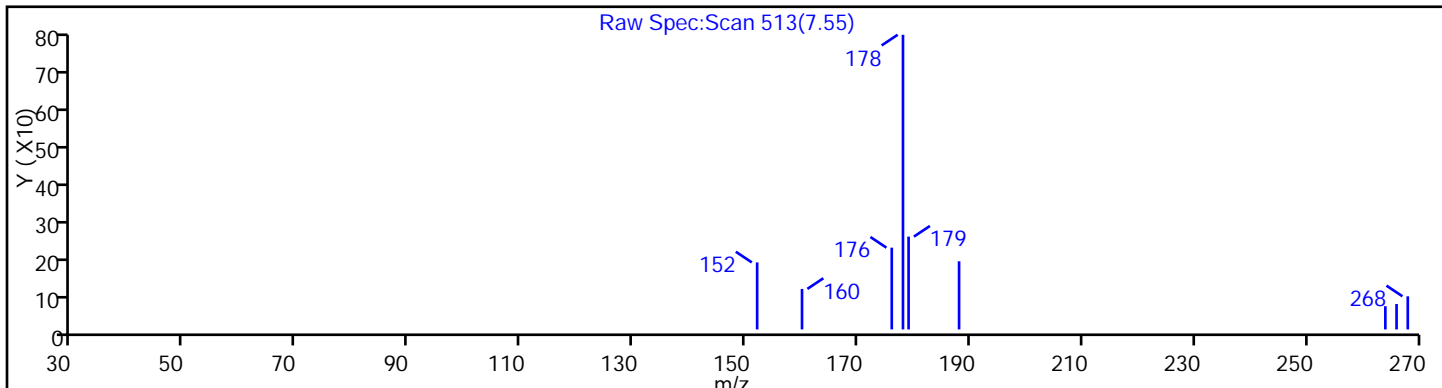
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



37 Phenanthrene



38 Anthracene



Report Date: 25-May-2012 16:22:45

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28014.D

Injection Date: 25-May-2012 14:44:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-DR-COMP-120508

Instrument ID: TAC023

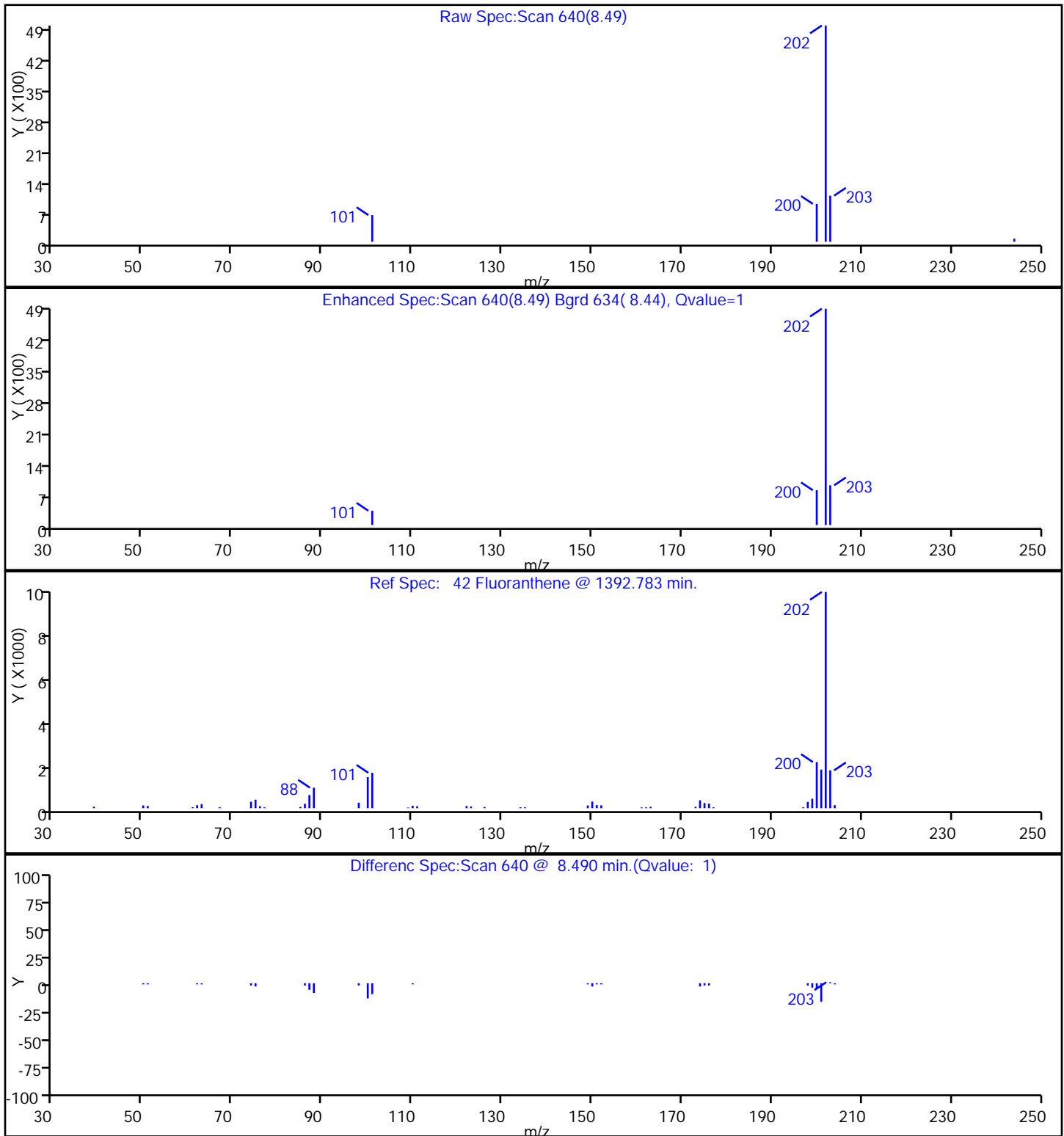
Lims Batch ID: 112072

Lims Sample ID: 11

Operator ID: bat

Injection Vol: 1.00 ul

42 Fluoranthene



Report Date: 25-May-2012 16:22:45

Chem Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28014.D

Injection Date: 25-May-2012 14:44:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-DR-COMP-120508

Instrument ID: TAC023

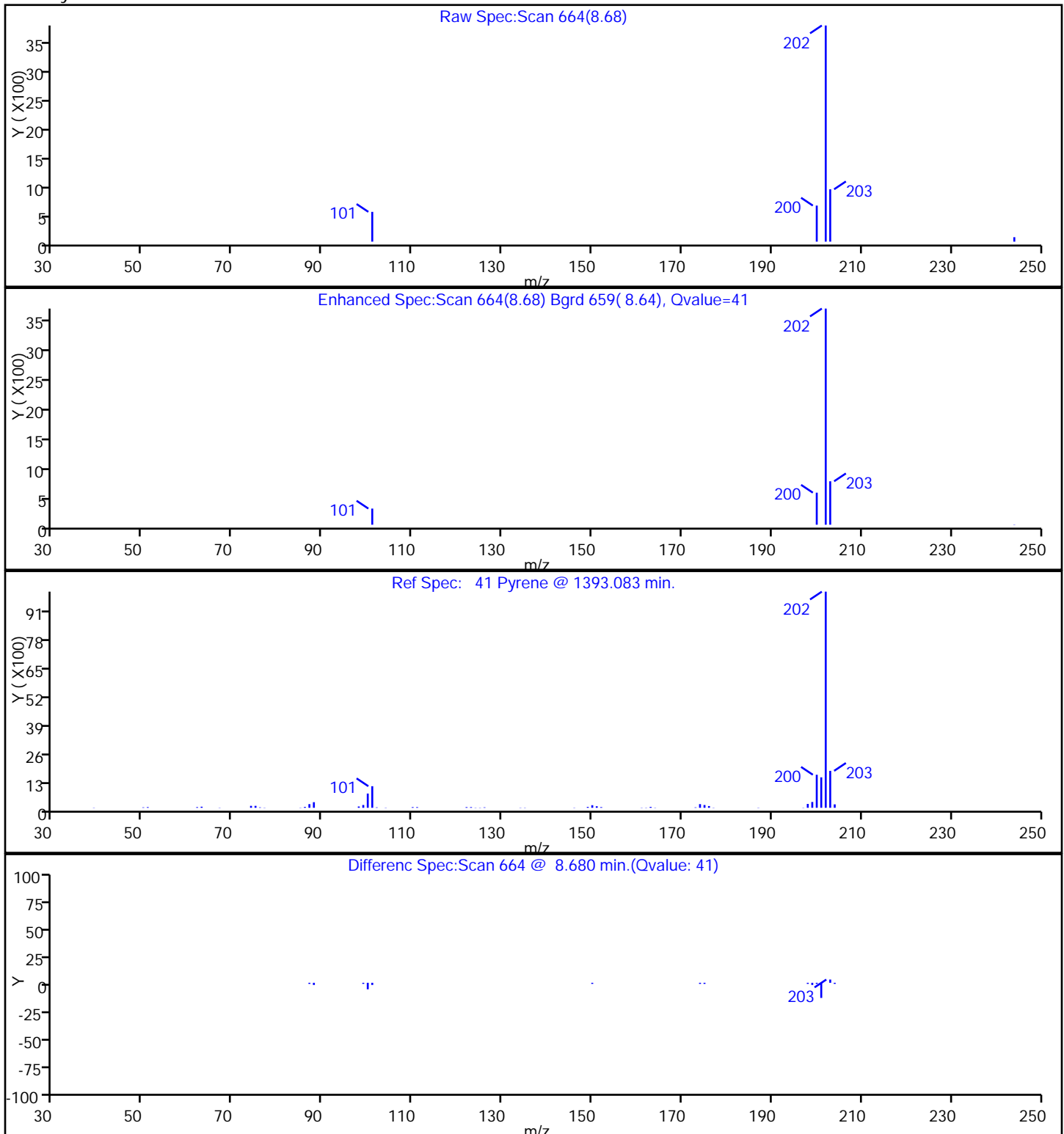
Lims Batch ID: 112072

Lims Sample ID: 11

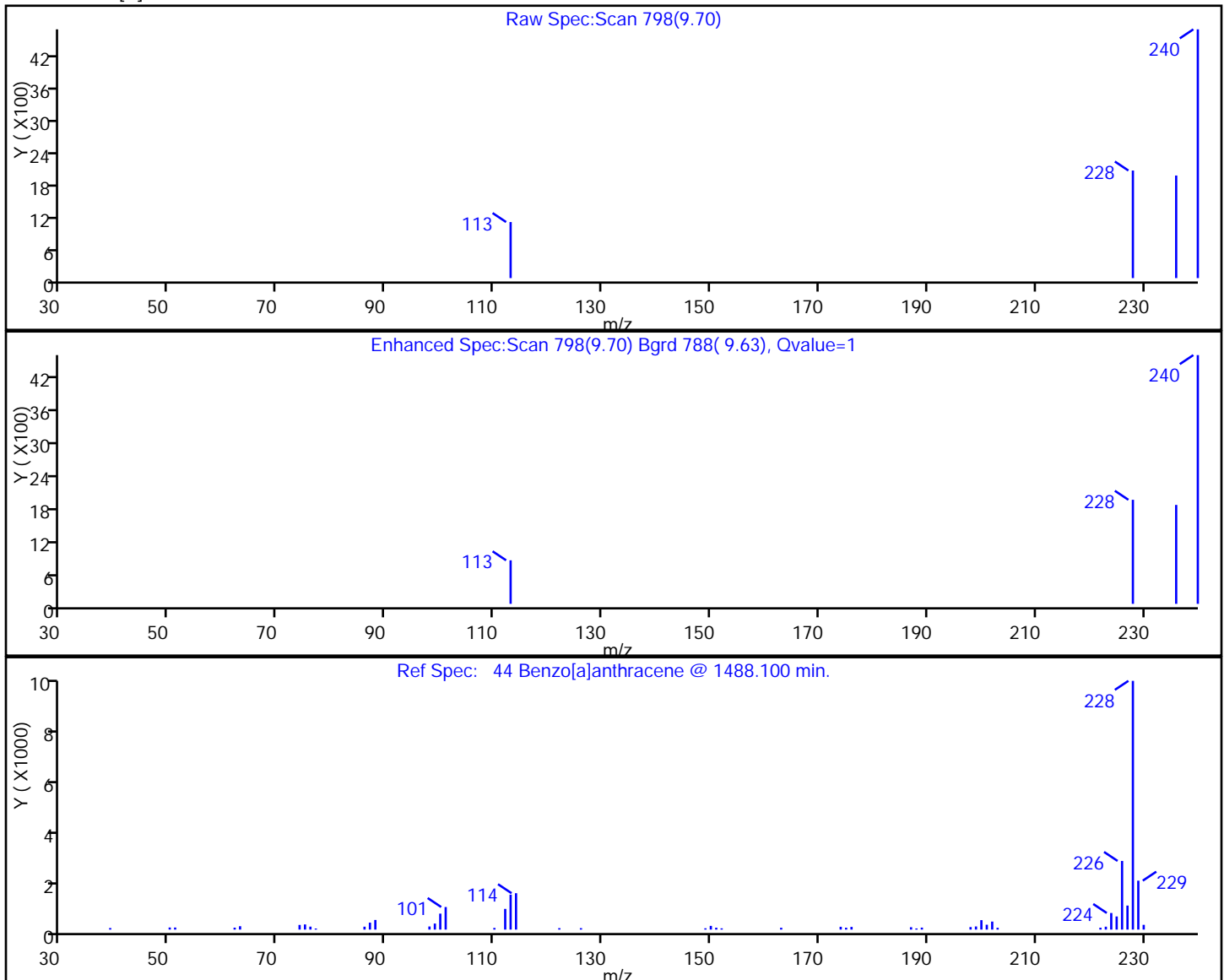
Operator ID: bat

Injection Vol: 1.00 ul

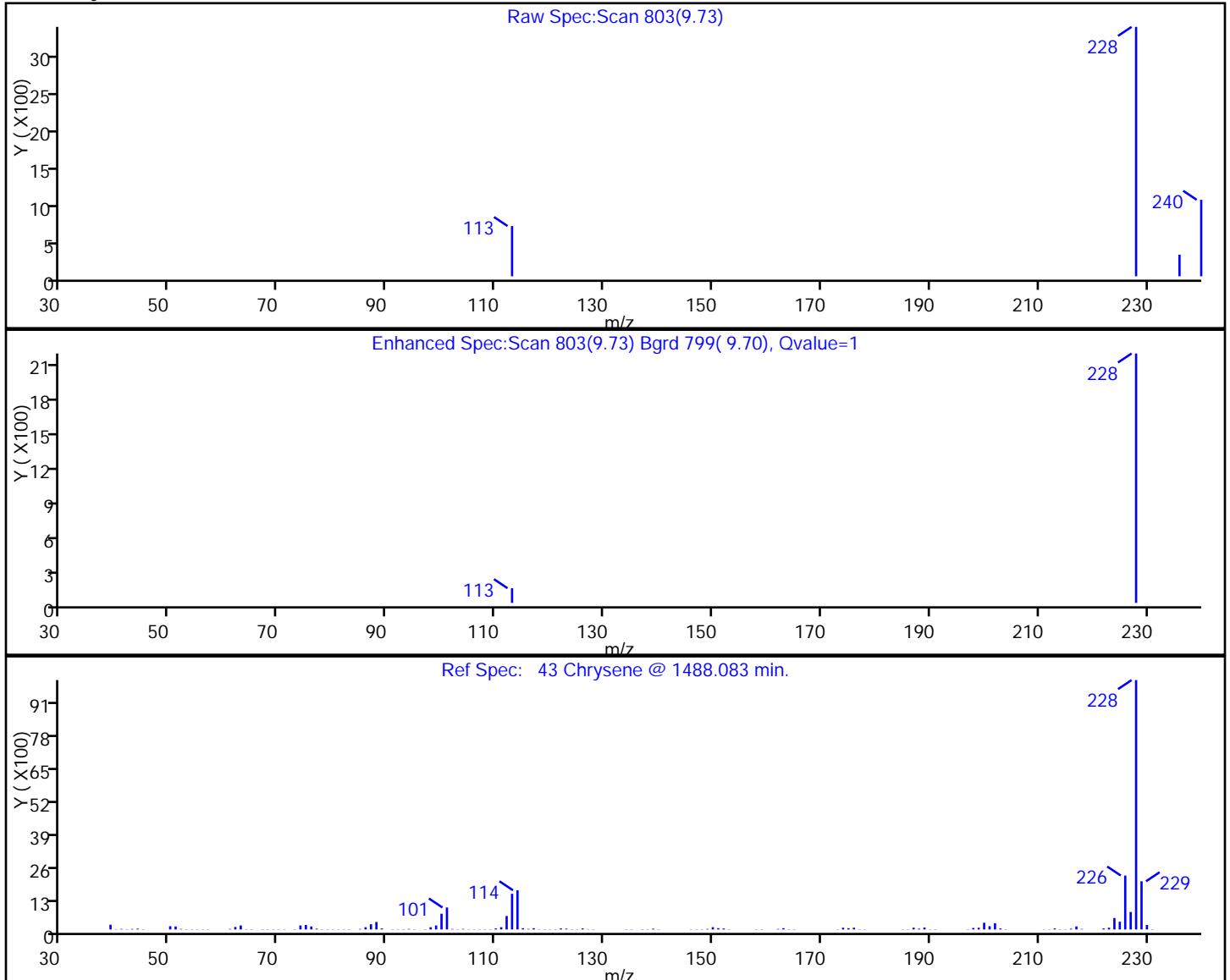
41 Pyrene



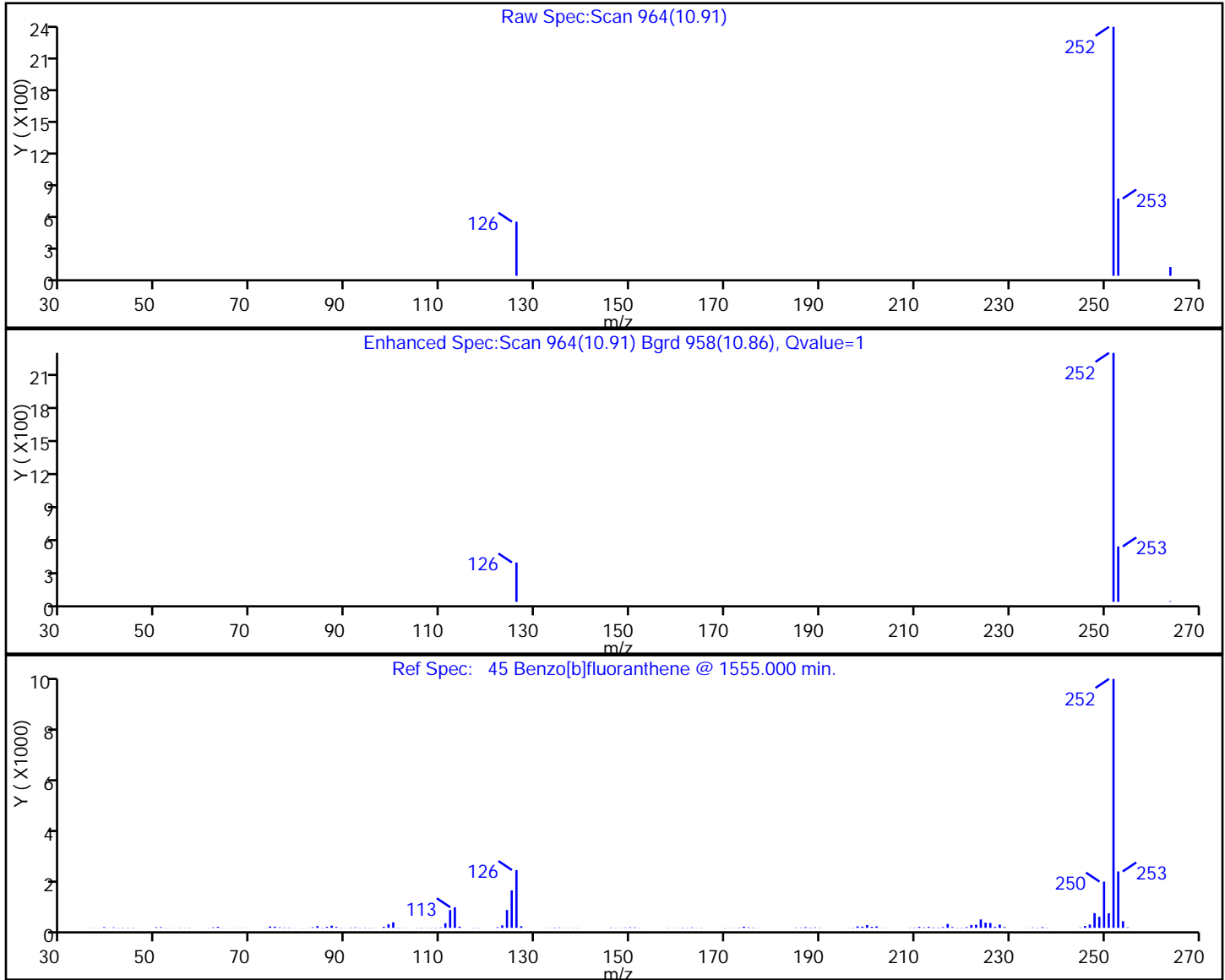
44 Benzo[a]anthracene



43 Chrysene



45 Benzo[b]fluoranthene



Report Date: 25-May-2012 16:22:45

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28014.D

Injection Date: 25-May-2012 14:44:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-DR-COMP-120508

Instrument ID: TAC023

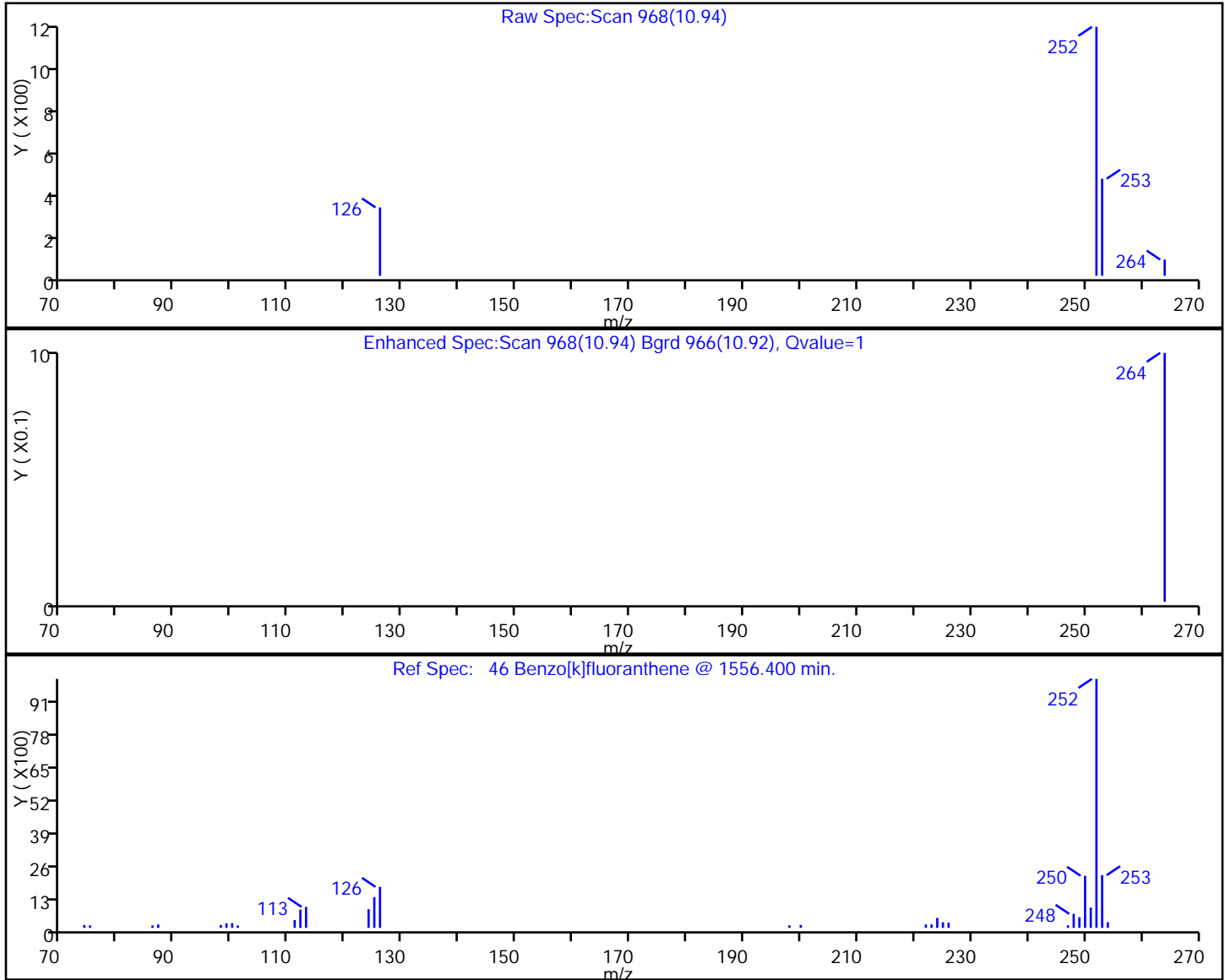
Lims Batch ID: 112072

Lims Sample ID: 11

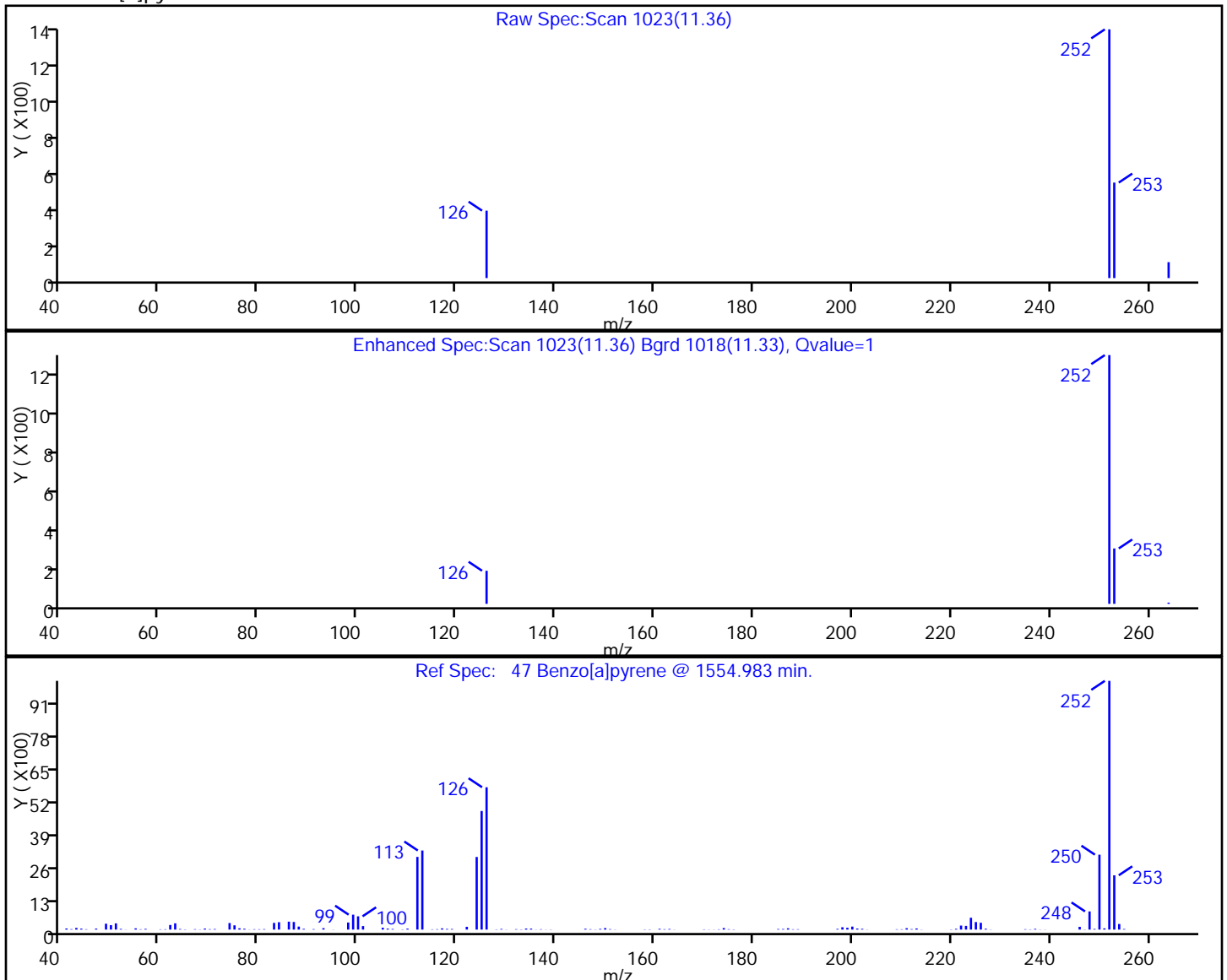
Operator ID: bat

Injection Vol: 1.00 ul

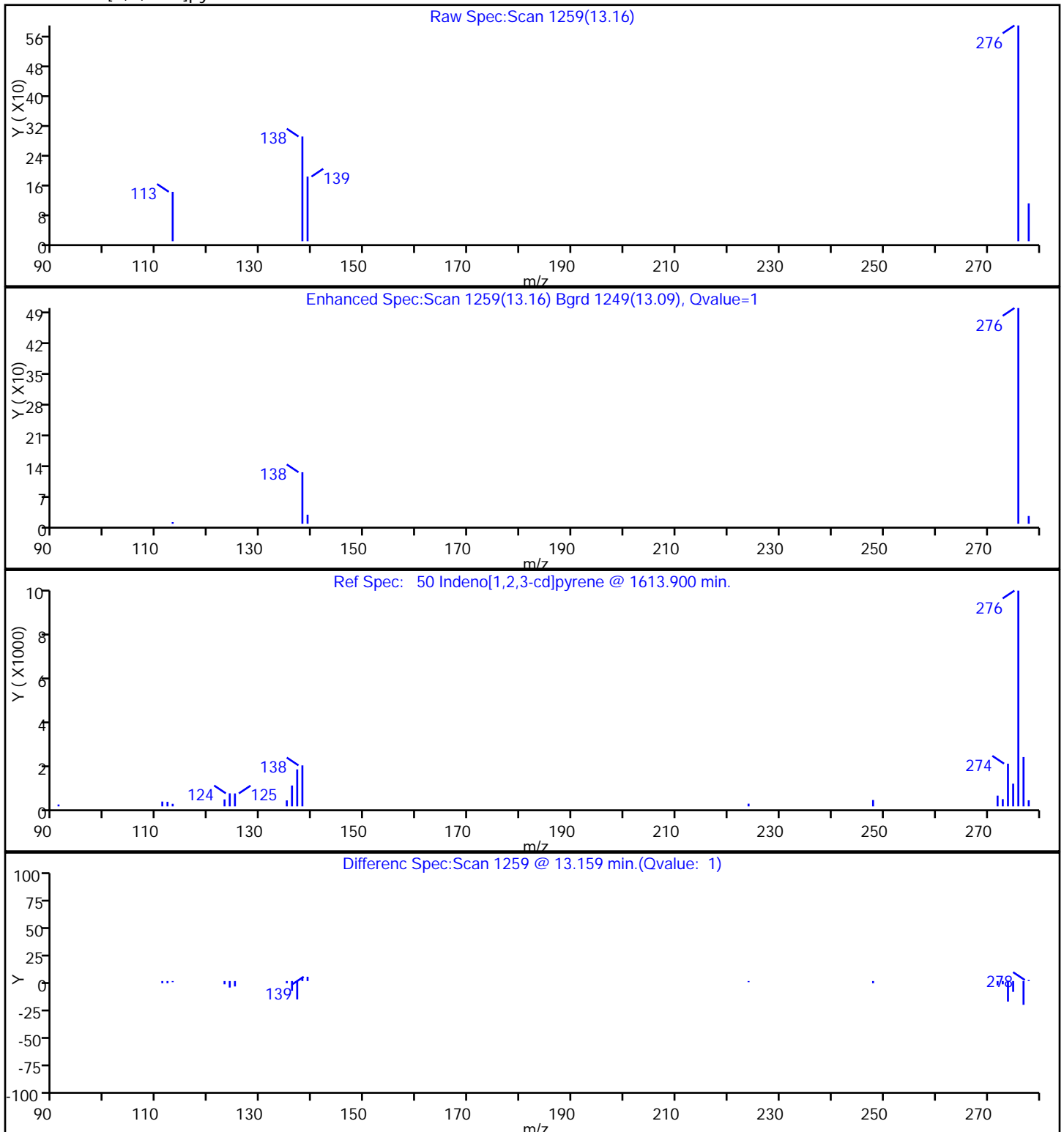
46 Benzo[k]fluoranthene



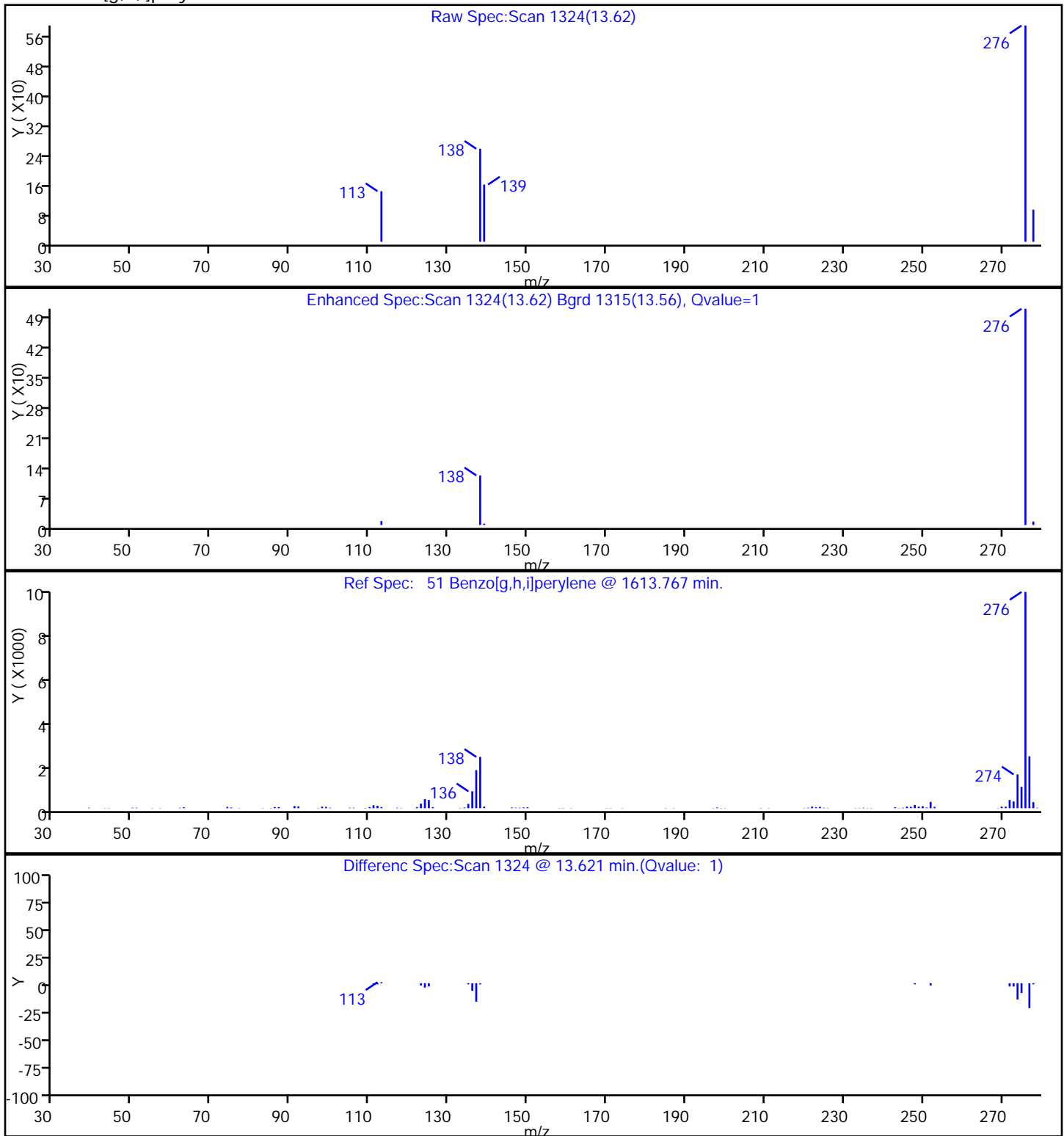
47 Benzo[a]pyrene



50 Indeno[1,2,3-cd]pyrene



51 Benzo[g,h,i]perylene

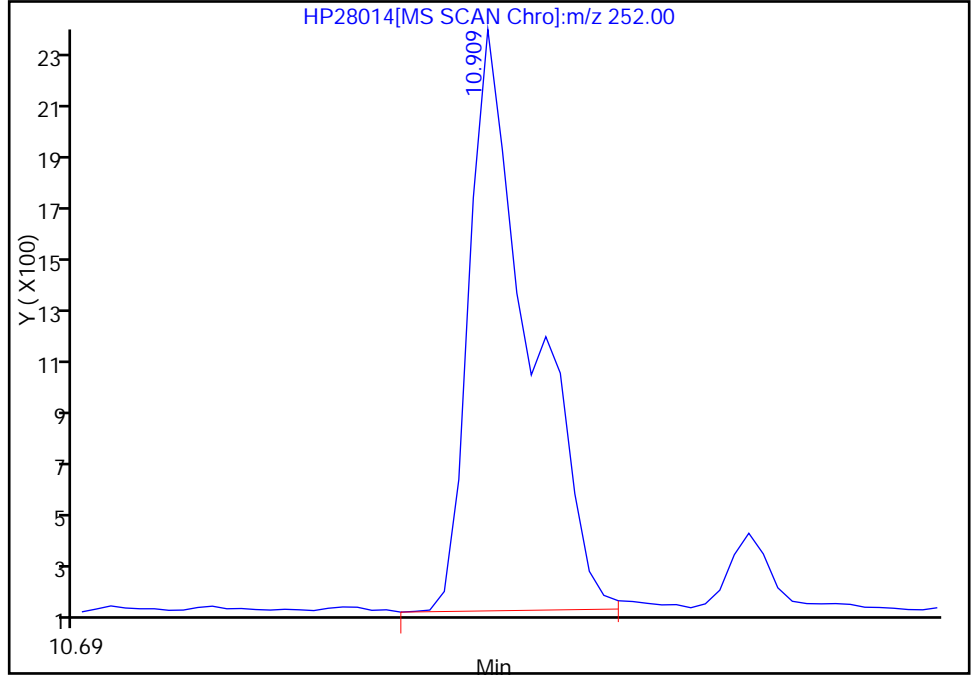


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28014.D
Injection Date: 25-May-2012 14:44:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-DR-COMP-120508 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 11
Operator ID: bat Injection Vol: 1.00 ul

45 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.91

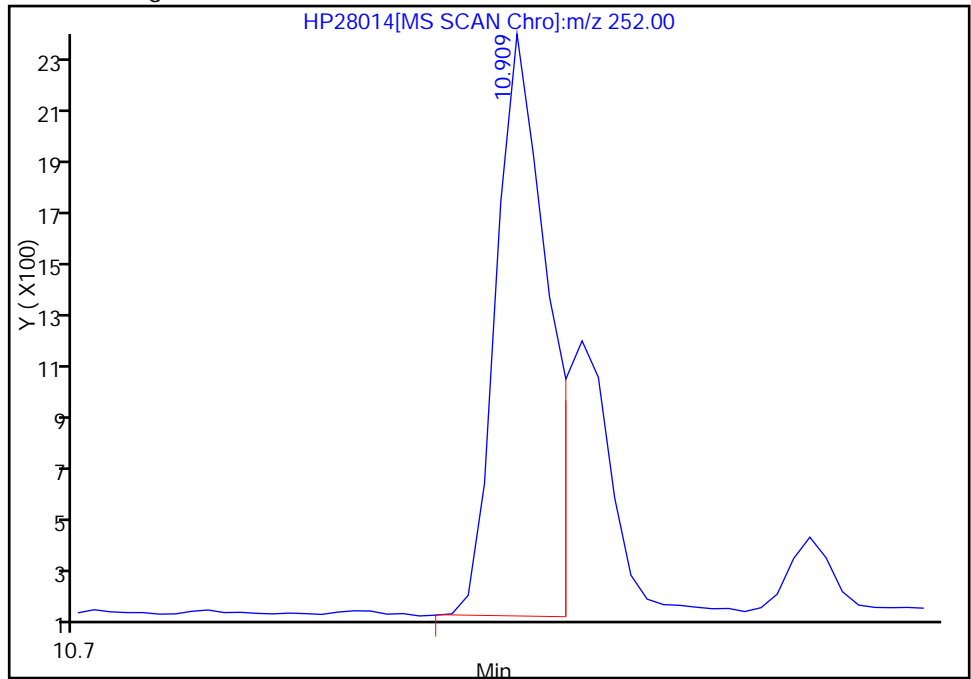
RT: 10.91
Response: 5082
Amount: 11.220909

Processing Integration Results



RT: 10.91
Response: 3664
Amount: 8.090006

Manual Integration Results



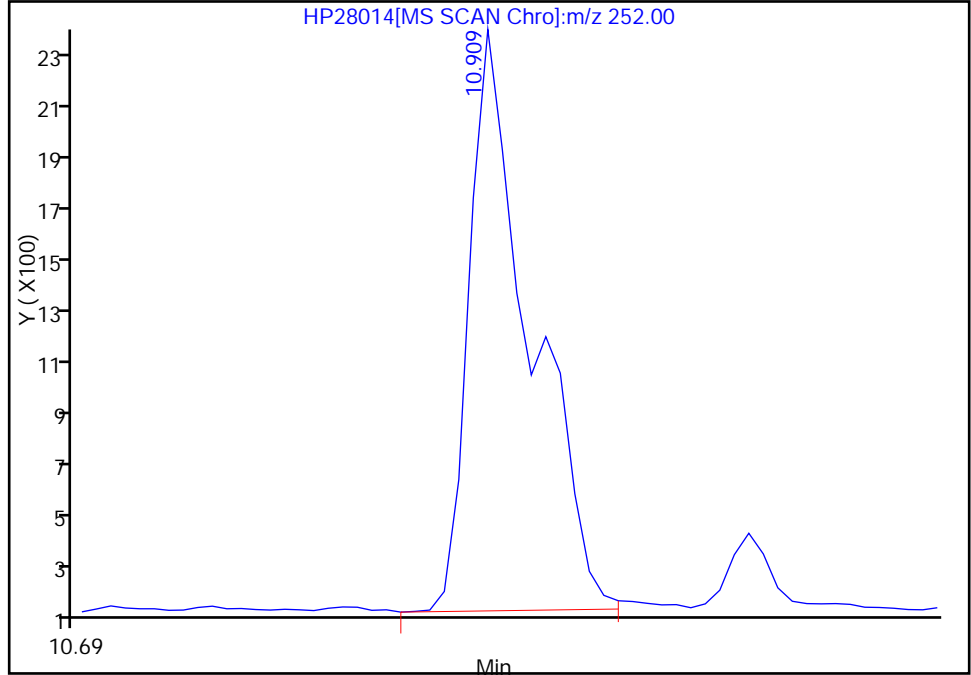
Reviewer: tadesseb, 25-May-2012 16:22:45
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28014.D
Injection Date: 25-May-2012 14:44:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-DR-COMP-120508 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 11
Operator ID: bat Injection Vol: 1.00 ul

46 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.95

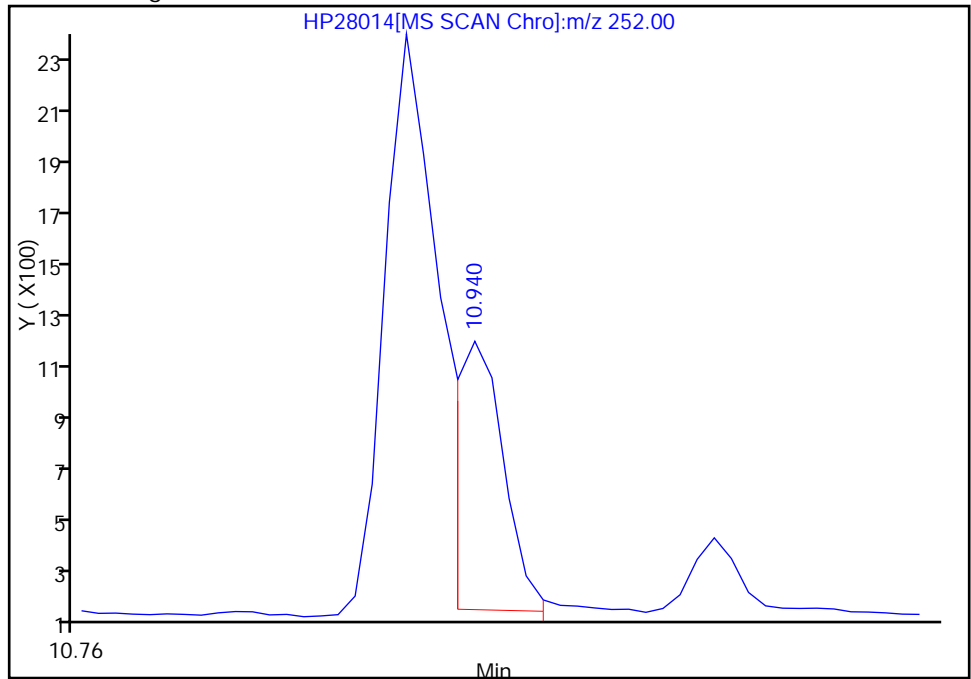
RT: 10.91
Response: 5082
Amount: 11.078902

Processing Integration Results



RT: 10.94
Response: 1372
Amount: 2.990998

Manual Integration Results



Reviewer: tadesseb, 25-May-2012 16:22:45
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Client Sample ID: JW-RG-COMP-120508 Lab Sample ID: 580-32844-15
 Matrix: Solid Lab File ID: HP28015.D
 Analysis Method: 8270C SIM Date Collected: 05/08/2012 17:28
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:30
 Sample wt/vol: 20.3033(g) Date Analyzed: 05/25/2012 15:06
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 36.5 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	ND		0.78	0.31
91-57-6	2-Methylnaphthalene	ND		0.78	0.31
90-12-0	1-Methylnaphthalene	ND		0.78	0.23
208-96-8	Acenaphthylene	0.29	J	0.78	0.23
83-32-9	Acenaphthene	ND		0.78	0.23
86-73-7	Fluorene	ND		0.78	0.23
85-01-8	Phenanthrene	2.0		0.78	0.23
120-12-7	Anthracene	0.77	J	0.78	0.23
206-44-0	Fluoranthene	4.9		0.78	0.23
129-00-0	Pyrene	4.6		0.78	0.23
56-55-3	Benzo[a]anthracene	2.7		0.78	0.23
218-01-9	Chrysene	3.9		0.78	0.23
205-99-2	Benzo[b]fluoranthene	3.6		0.78	0.23
207-08-9	Benzo[k]fluoranthene	1.3		0.78	0.23
50-32-8	Benzo[a]pyrene	2.3		0.78	0.23
193-39-5	Indeno[1,2,3-cd]pyrene	1.3		0.78	0.23
53-70-3	Dibenz(a,h)anthracene	ND		0.78	0.23
191-24-2	Benzo[g,h,i]perylene	1.0		0.78	0.23

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	69		42-151

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D
 Lims ID: 580-32844-C-15-A Client ID: JW-RG-COMP-120508
 Inject. Date: 25-May-2012 15:06:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 580-32844-c-15-a
 Misc. Info.: 580-0023449-012 =580-0023449-012
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 112072 Lims Sample ID: 12
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb

Date: 25-May-2012 16:24:00

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.848	3.859	-0.011	1	14776	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	38256	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	21258	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	33065	98.0	
* 5 Chrysene-d12	240	9.710	9.709	0.001	1	37976	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	31273	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	92085	730.9	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	172836	539.5	
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	247369	691.3	
27 2-Methylnaphthalene	141	5.406	5.415	-0.009	1	265	1.06	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	220	0.8720	
31 Acenaphthylene	152	6.143	6.143	0.0	1	735	1.86	
37 Phenanthrene	178	7.510	7.510	0.0	1	5477	13.2	
38 Anthracene	178	7.550	7.550	0.0	1	2034	4.98	
42 Fluoranthene	202	8.490	8.490	0.0	1	14492	31.8	
41 Pyrene	202	8.681	8.680	0.001	41	14108	29.8	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	7289	17.1	
43 Chrysene	228	9.729	9.729	0.0	1	11143	25.2	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	10211	23.3	M
46 Benzo[k]fluoranthene	252	10.940	10.948	-0.008	1	3820	8.62	M
47 Benzo[a]pyrene	252	11.364	11.364	0.0	1	5911	15.1	
50 Indeno[1,2,3-cd]pyrene	276	13.159	13.152	0.007	1	3078	8.70	
51 Benzo[g,h,i]perylene	276	13.614	13.621	-0.007	1	2511	6.49	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 25-May-2012 16:24:00

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D

Injection Date: 25-May-2012 15:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-RG-COMP-120508

Instrument ID: TAC023

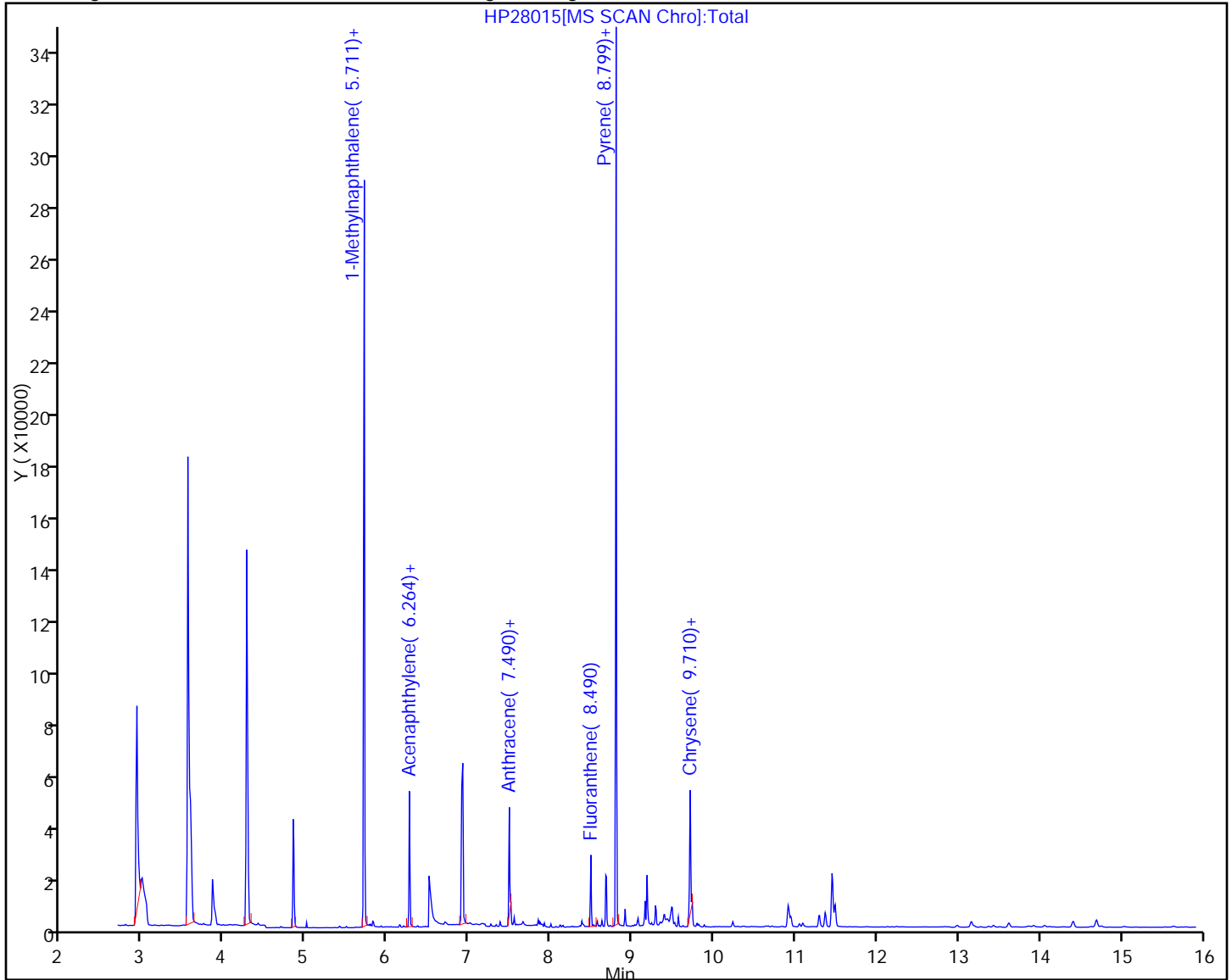
Lims Batch ID: 112072

Lims Sample ID: 12

Operator ID: bat

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 25-May-2012 16:24:00

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D

Injection Date: 25-May-2012 15:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-RG-COMP-120508

Instrument ID: TAC023

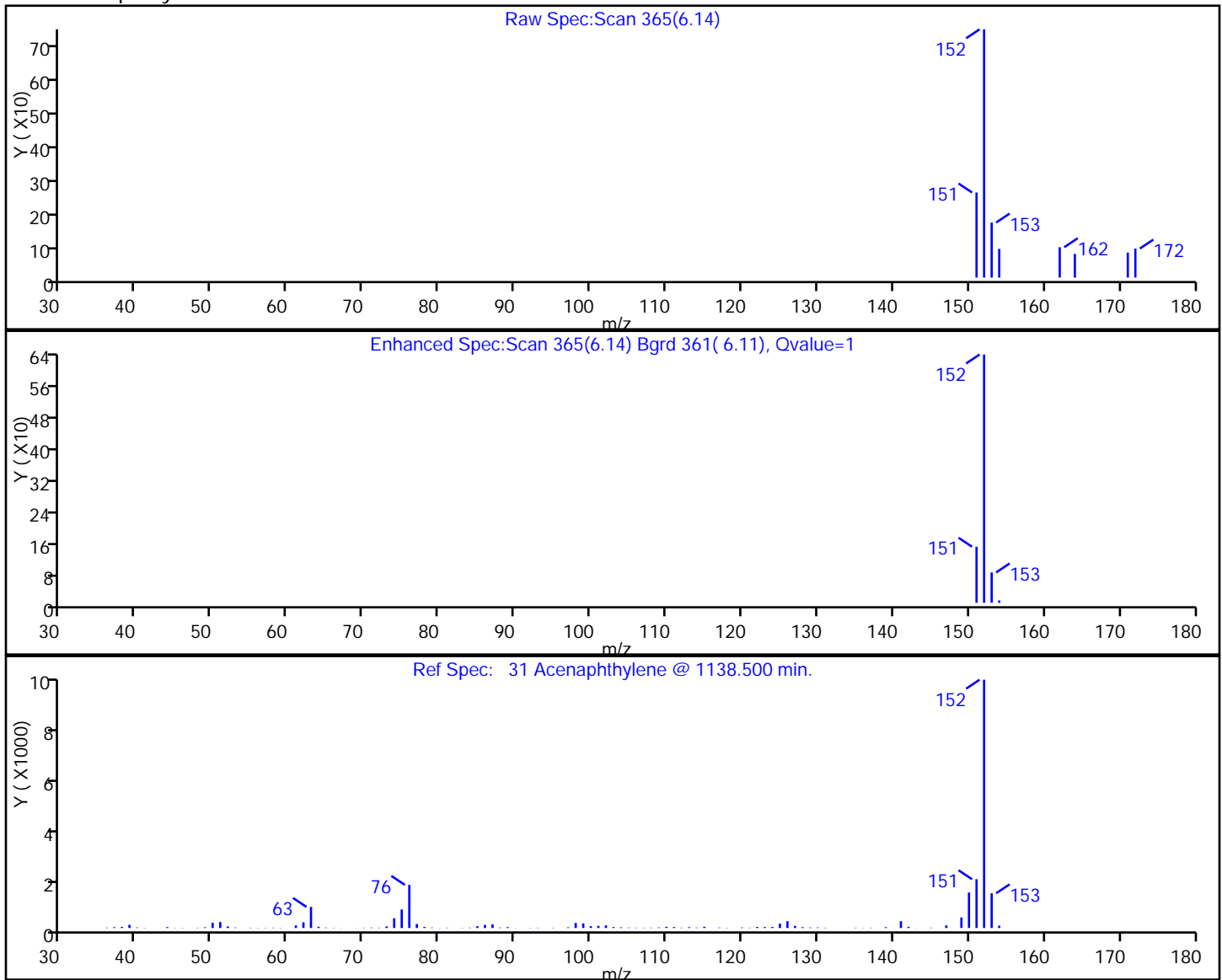
Lims Batch ID: 112072

Lims Sample ID: 12

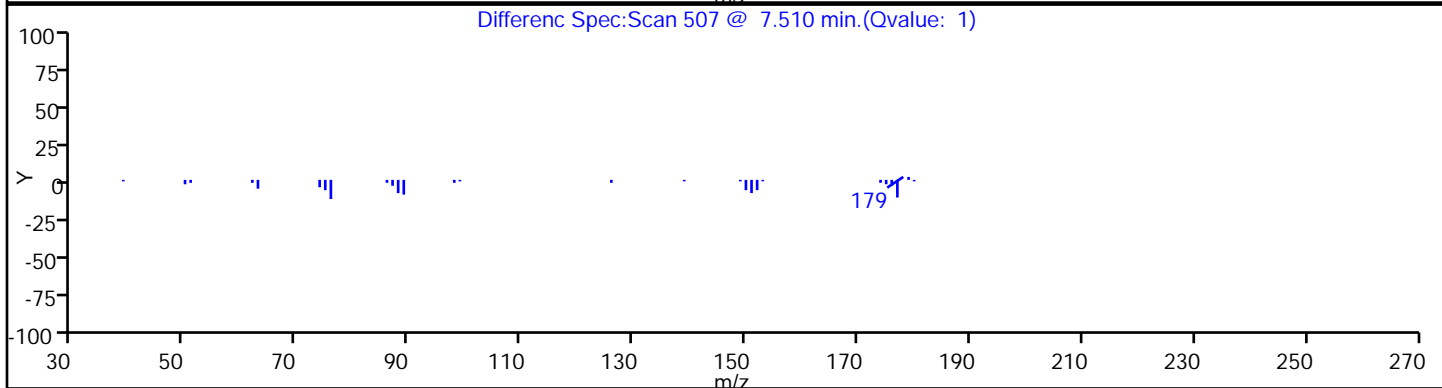
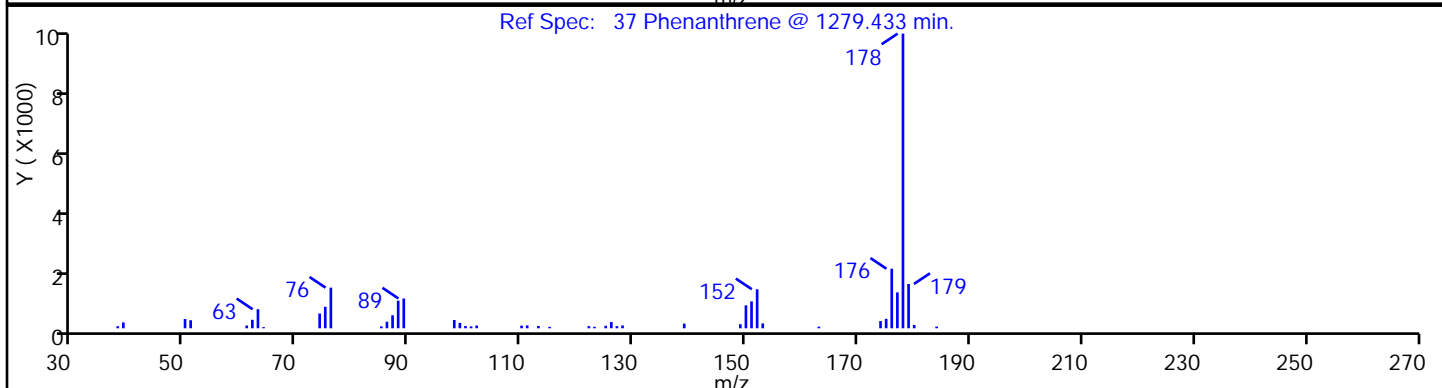
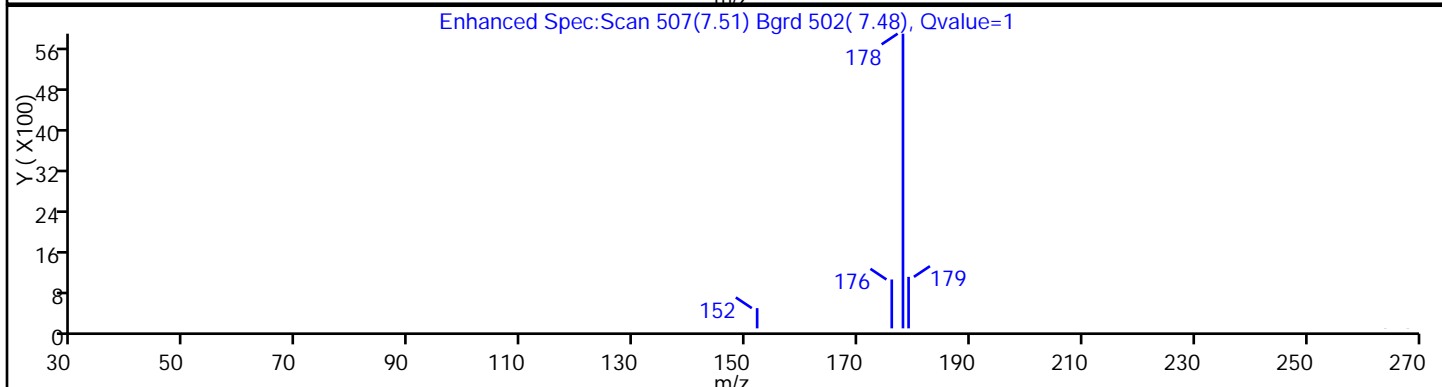
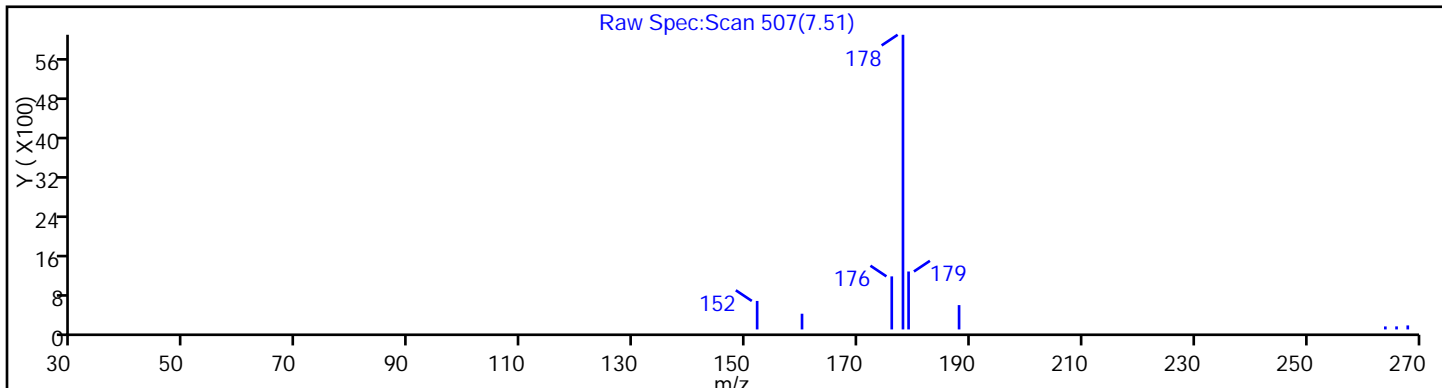
Operator ID: bat

Injection Vol: 1.00 ul

31 Acenaphthylene



37 Phenanthrene



Report Date: 25-May-2012 16:24:00

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D

Injection Date: 25-May-2012 15:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-RG-COMP-120508

Instrument ID: TAC023

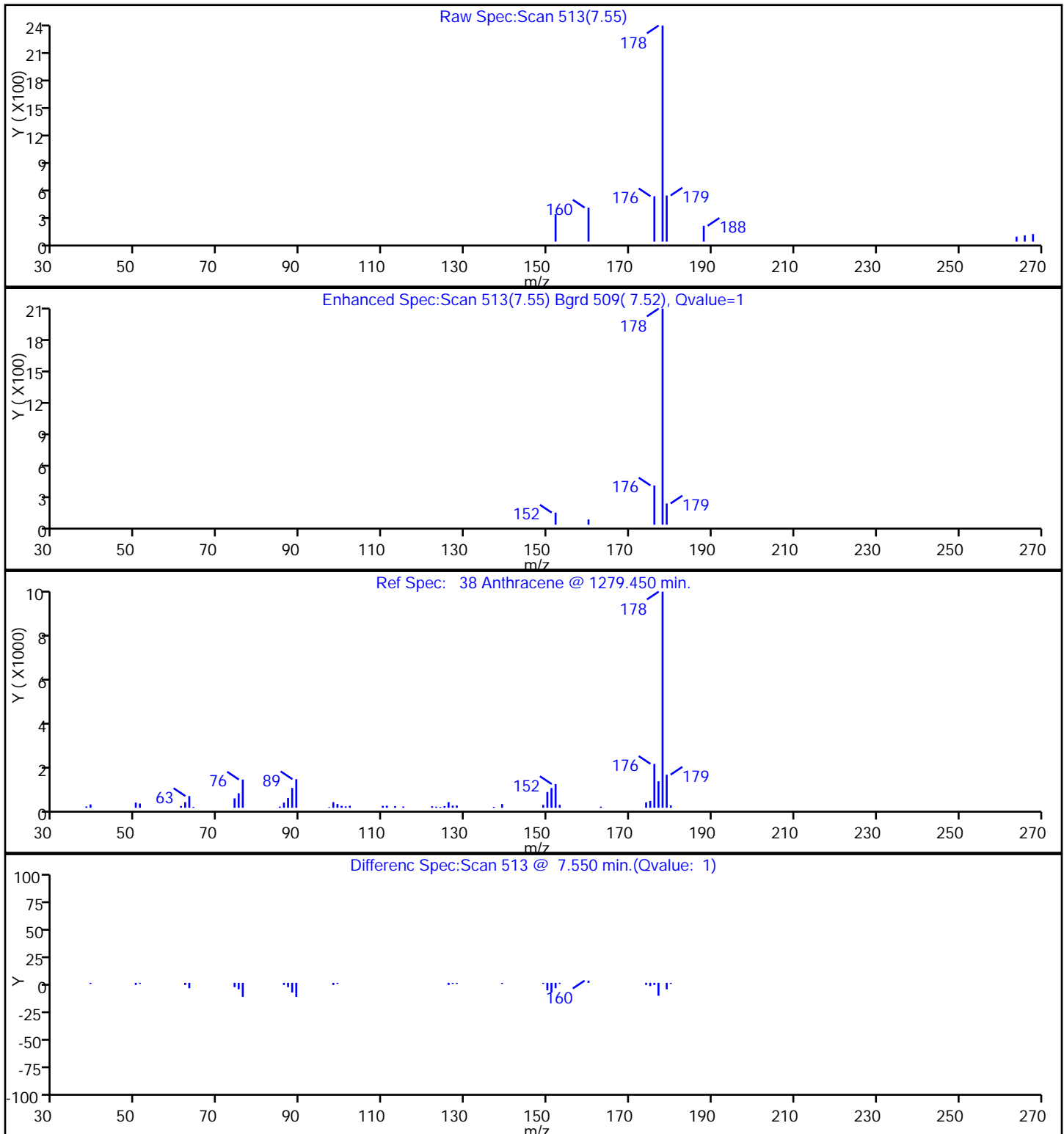
Lims Batch ID: 112072

Lims Sample ID: 12

Operator ID: bat

Injection Vol: 1.00 ul

38 Anthracene



Report Date: 25-May-2012 16:24:00

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D

Injection Date: 25-May-2012 15:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-RG-COMP-120508

Instrument ID: TAC023

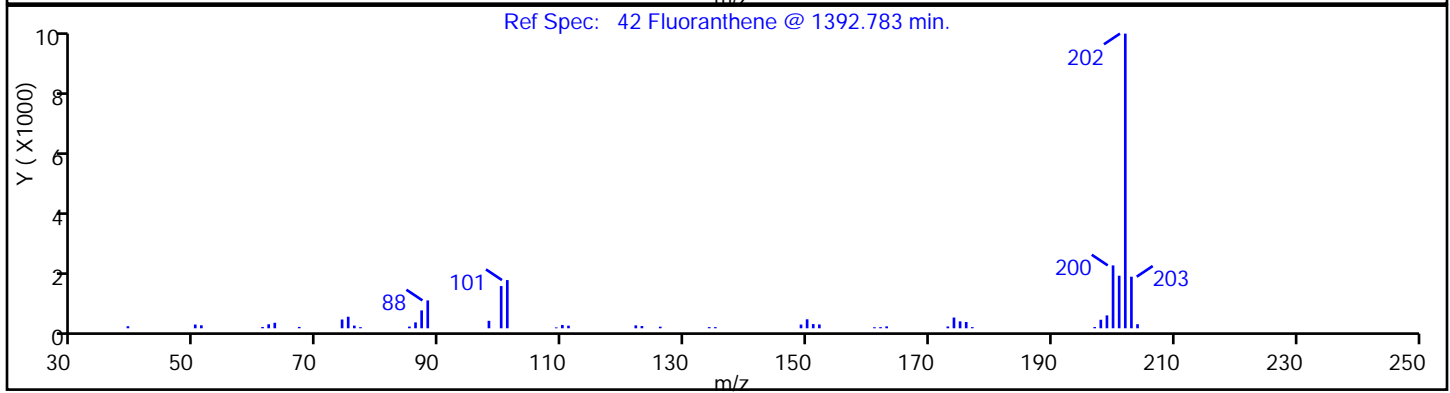
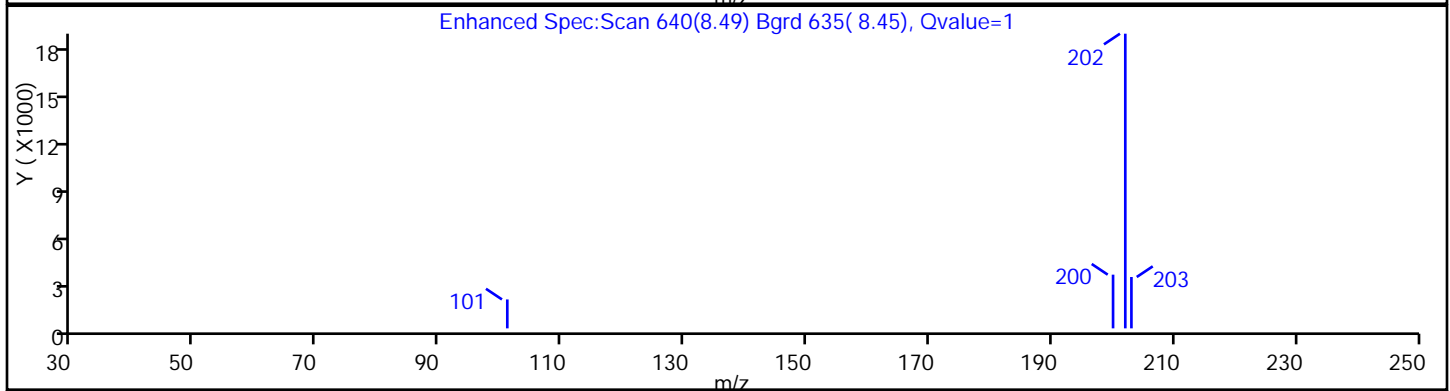
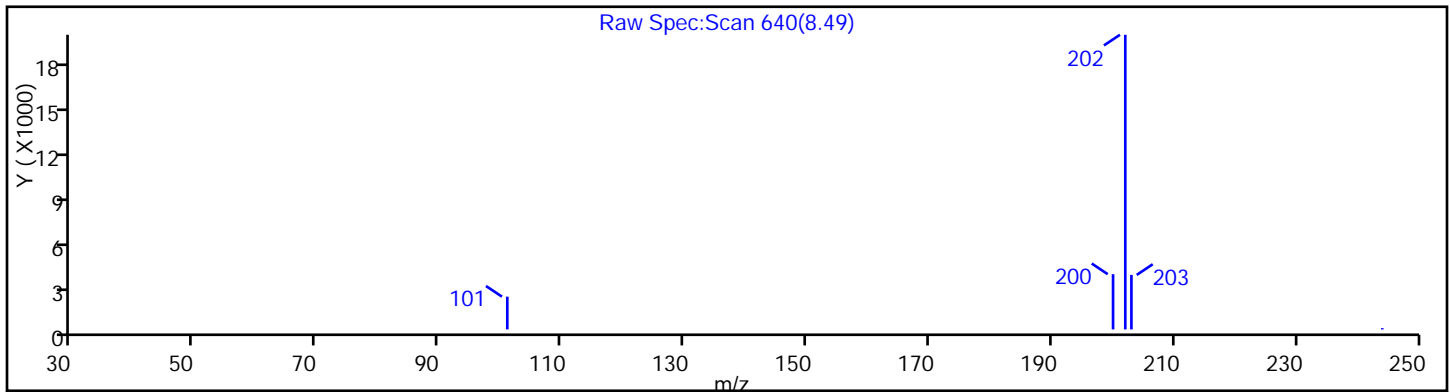
Lims Batch ID: 112072

Lims Sample ID: 12

Operator ID: bat

Injection Vol: 1.00 ul

42 Fluoranthene



Report Date: 25-May-2012 16:24:00

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D

Injection Date: 25-May-2012 15:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-RG-COMP-120508

Instrument ID: TAC023

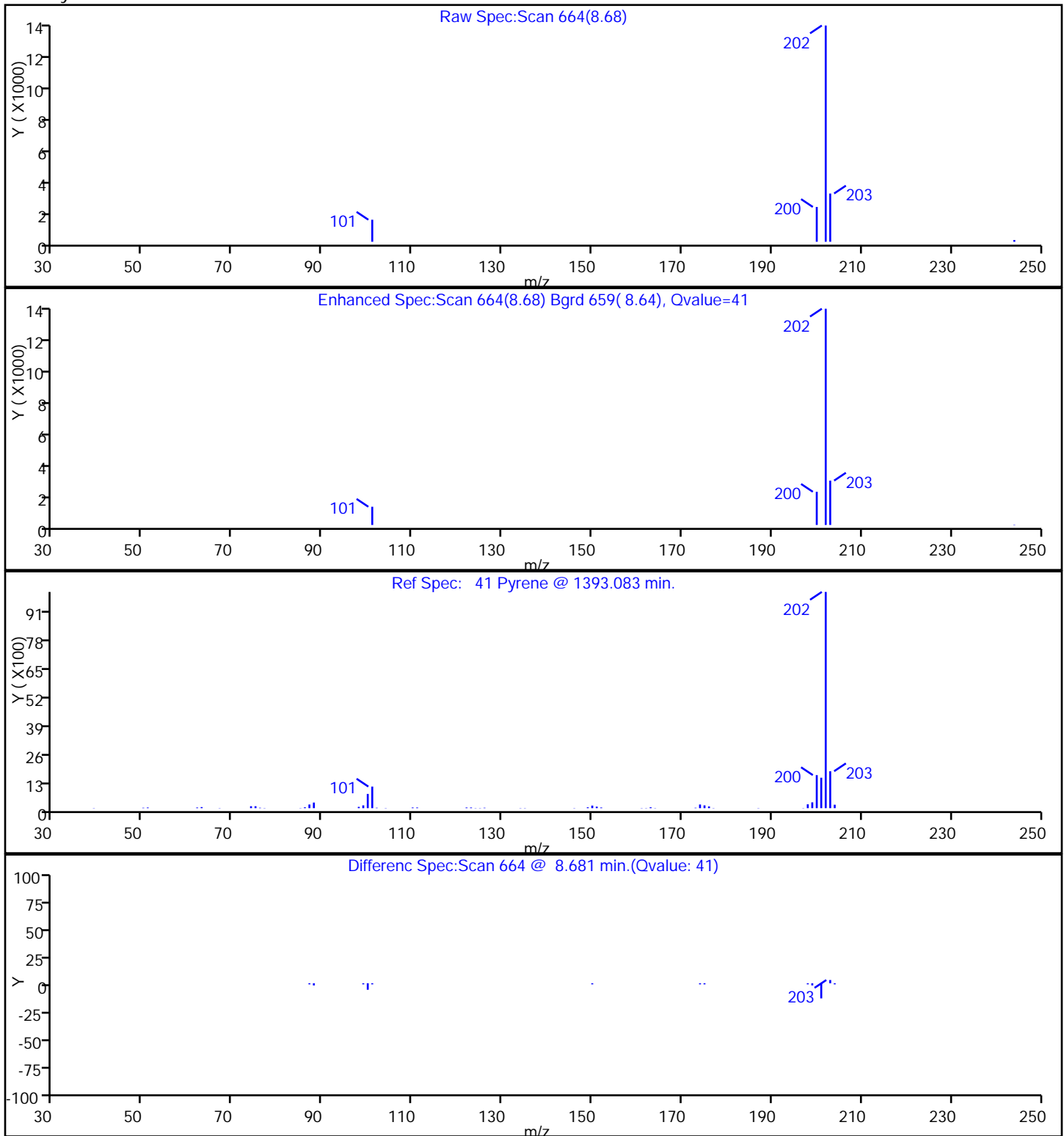
Lims Batch ID: 112072

Lims Sample ID: 12

Operator ID: bat

Injection Vol: 1.00 ul

41 Pyrene



Report Date: 25-May-2012 16:24:00

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D

Injection Date: 25-May-2012 15:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-RG-COMP-120508

Instrument ID: TAC023

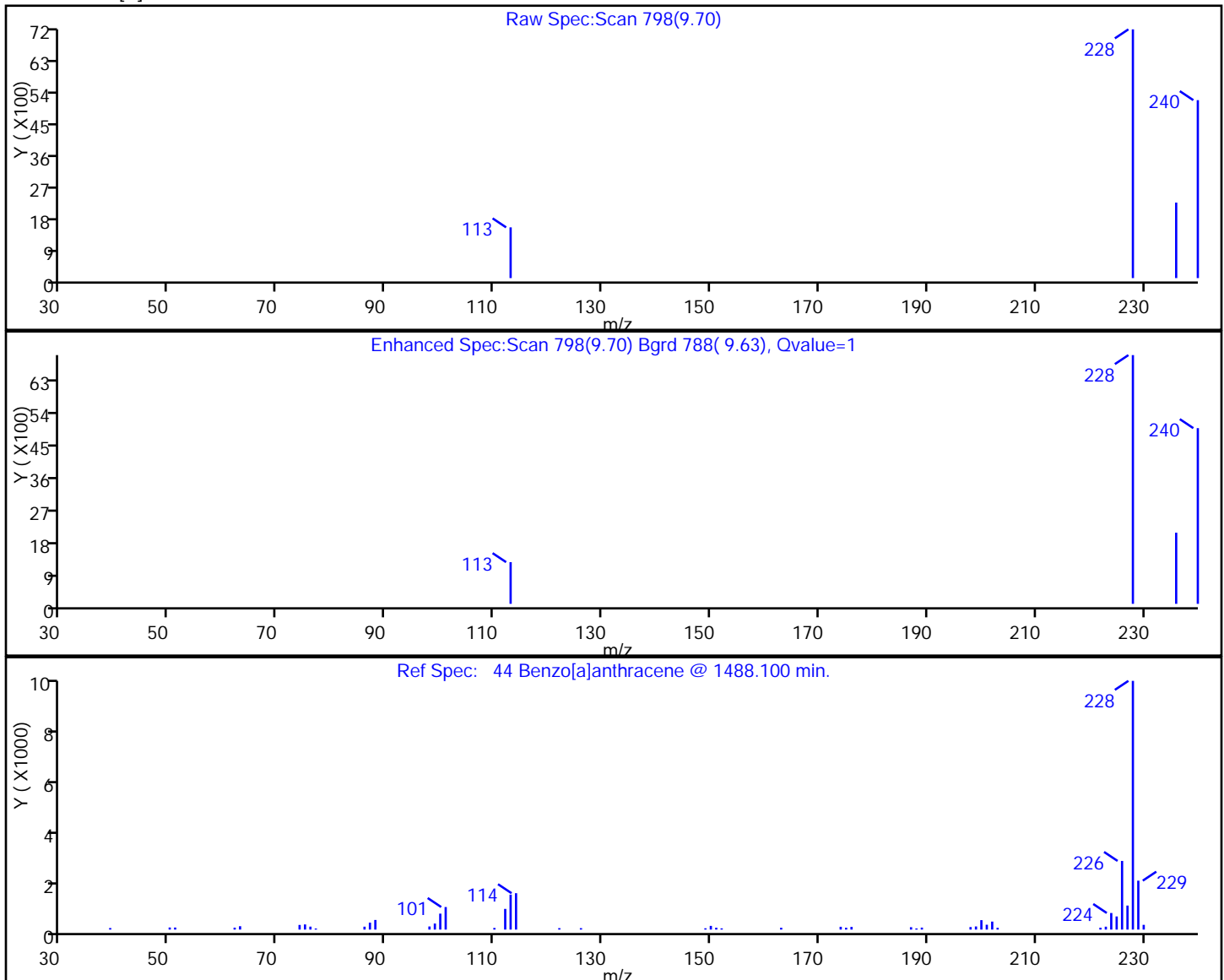
Lims Batch ID: 112072

Lims Sample ID: 12

Operator ID: bat

Injection Vol: 1.00 ul

44 Benzo[a]anthracene



Report Date: 25-May-2012 16:24:00

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D

Injection Date: 25-May-2012 15:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-RG-COMP-120508

Instrument ID: TAC023

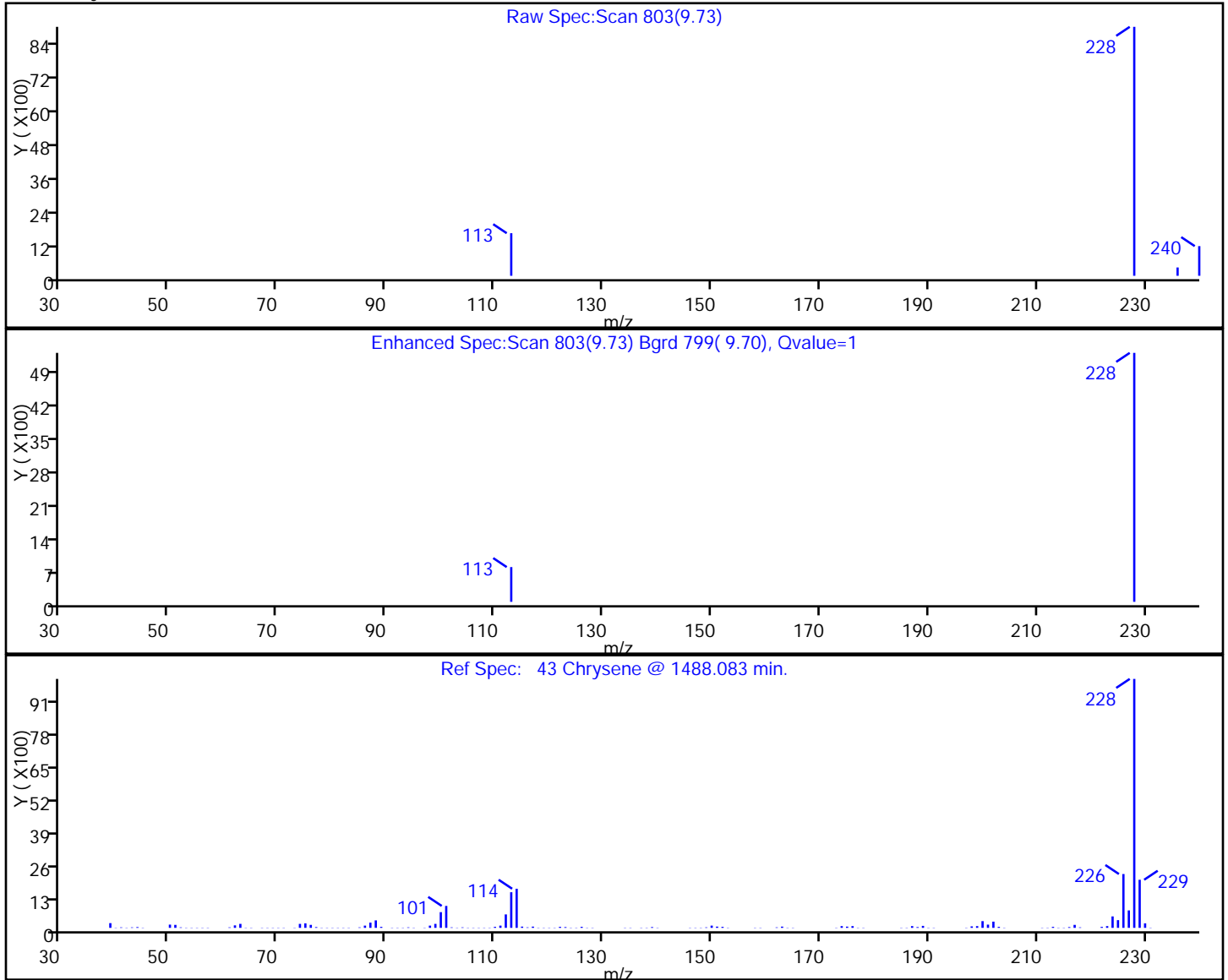
Lims Batch ID: 112072

Lims Sample ID: 12

Operator ID: bat

Injection Vol: 1.00 ul

43 Chrysene



Report Date: 25-May-2012 16:24:00

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D

Injection Date: 25-May-2012 15:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-RG-COMP-120508

Instrument ID: TAC023

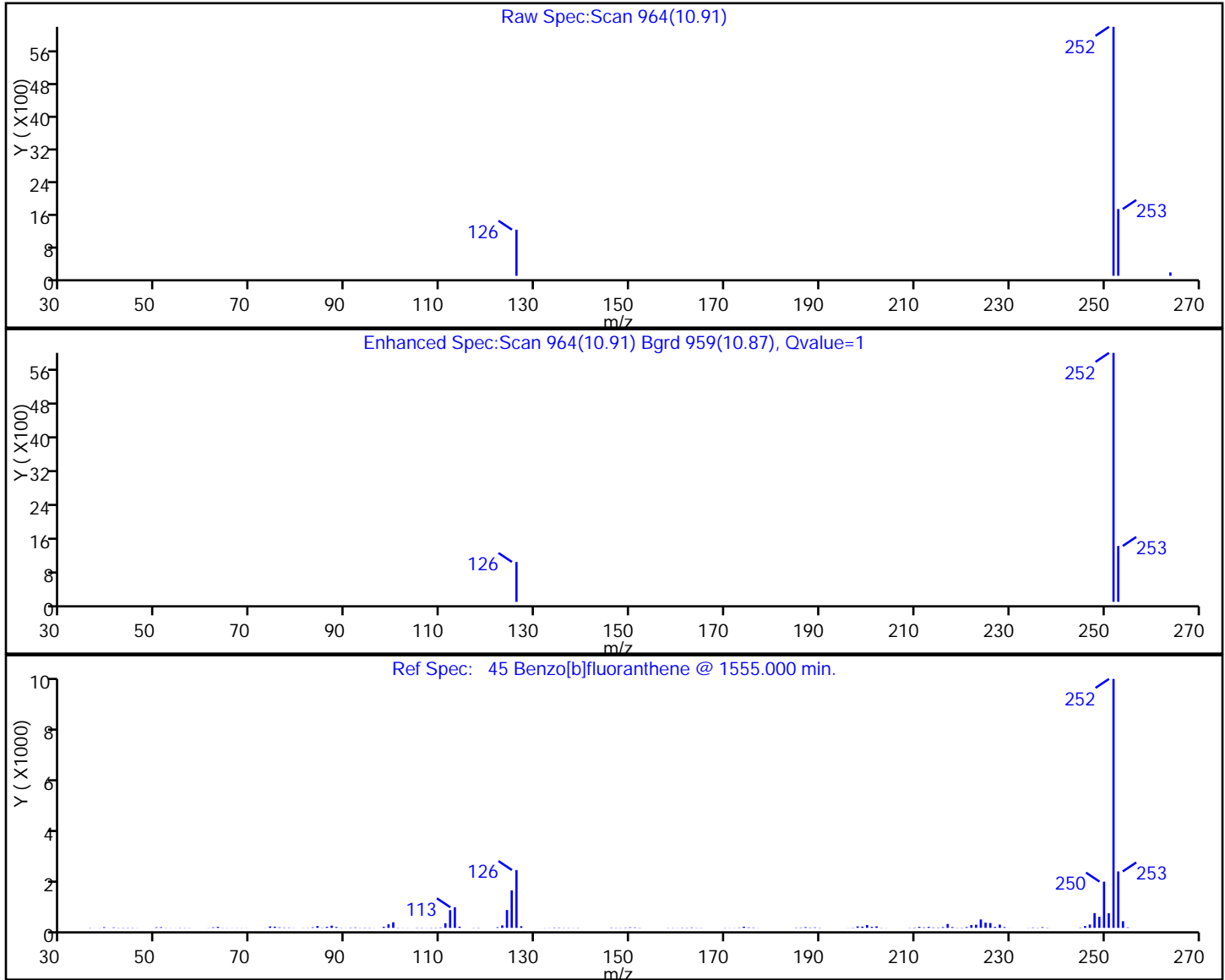
Lims Batch ID: 112072

Lims Sample ID: 12

Operator ID: bat

Injection Vol: 1.00 ul

45 Benzo[b]fluoranthene



Report Date: 25-May-2012 16:24:00

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D

Injection Date: 25-May-2012 15:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-RG-COMP-120508

Instrument ID: TAC023

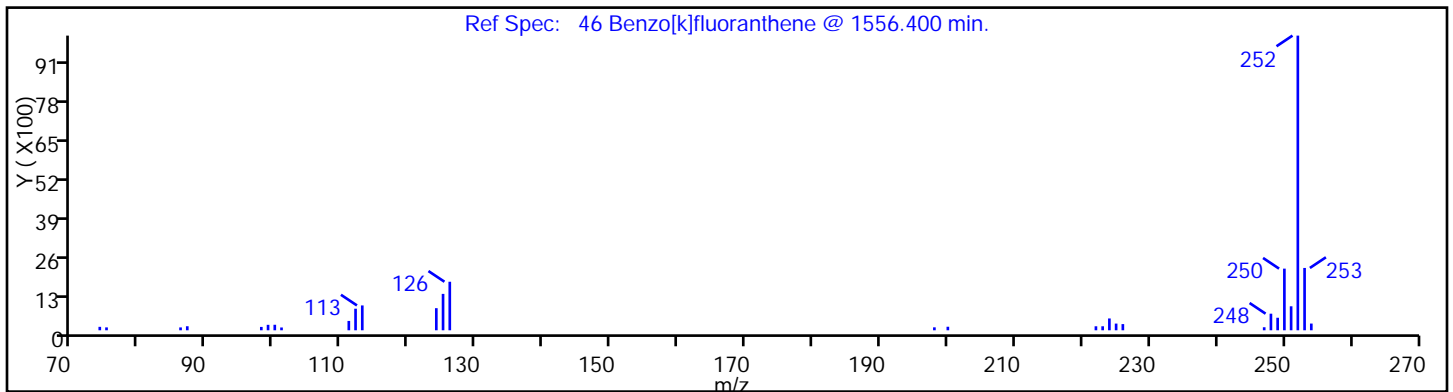
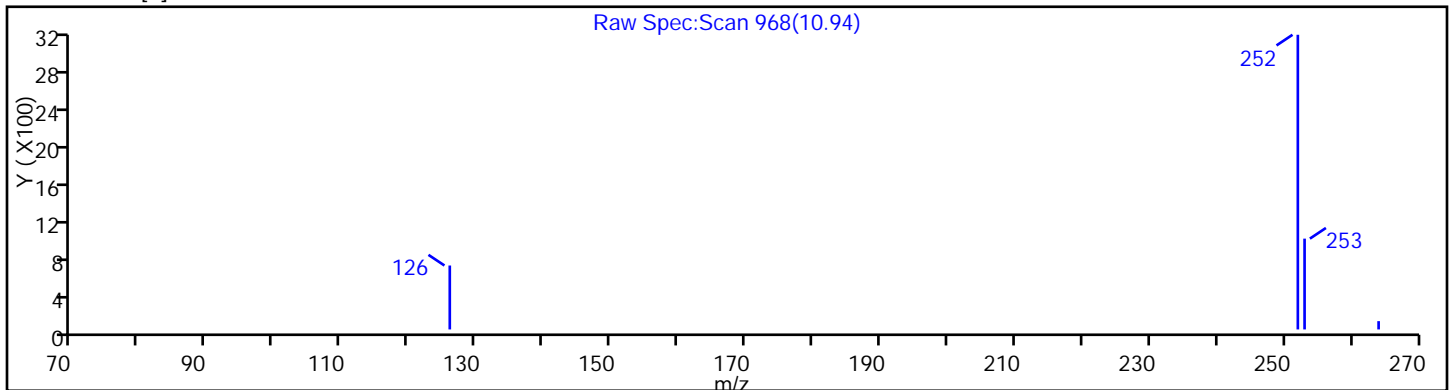
Lims Batch ID: 112072

Lims Sample ID: 12

Operator ID: bat

Injection Vol: 1.00 ul

46 Benzo[k]fluoranthene



Report Date: 25-May-2012 16:24:00

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D

Injection Date: 25-May-2012 15:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-RG-COMP-120508

Instrument ID: TAC023

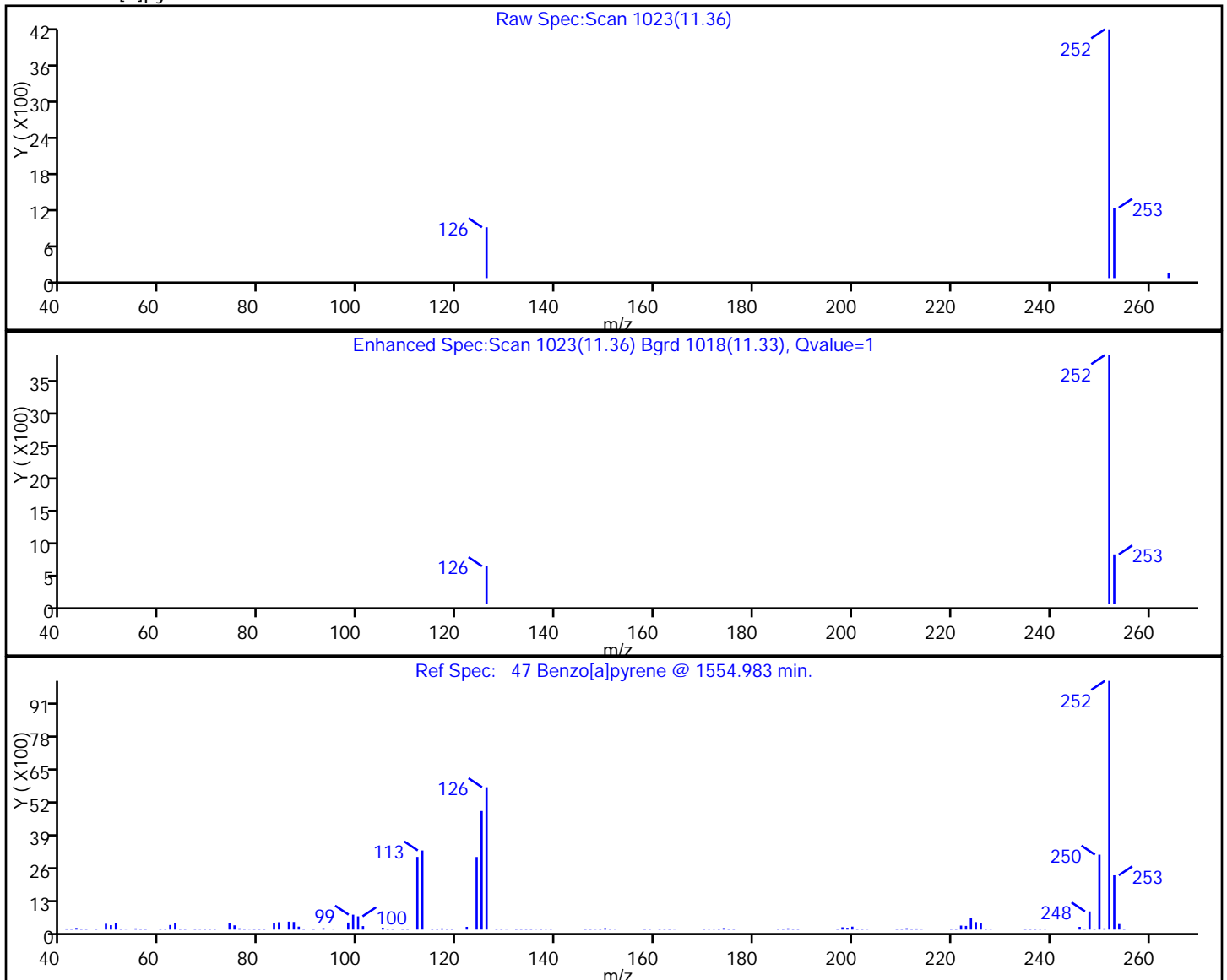
Lims Batch ID: 112072

Lims Sample ID: 12

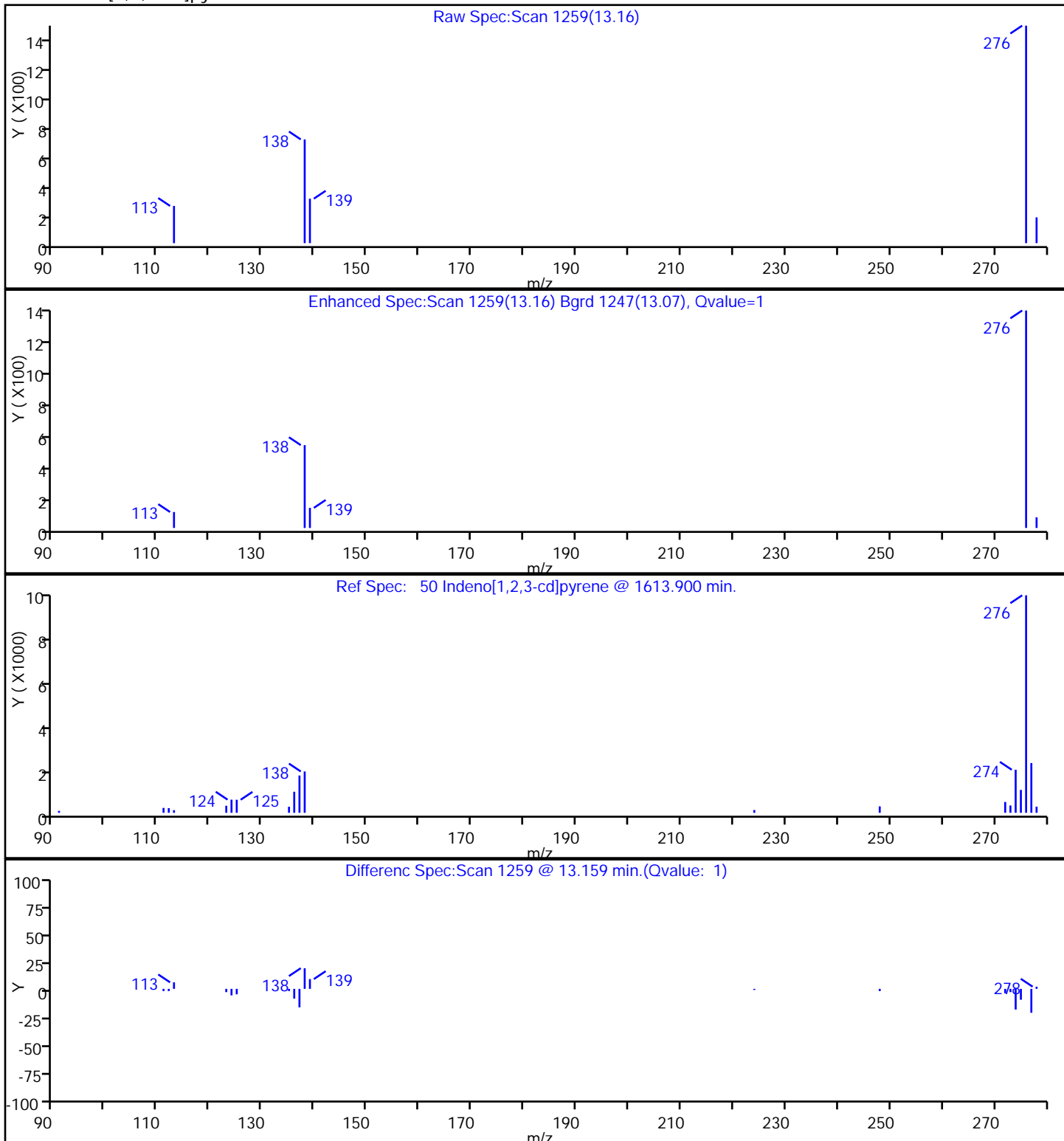
Operator ID: bat

Injection Vol: 1.00 ul

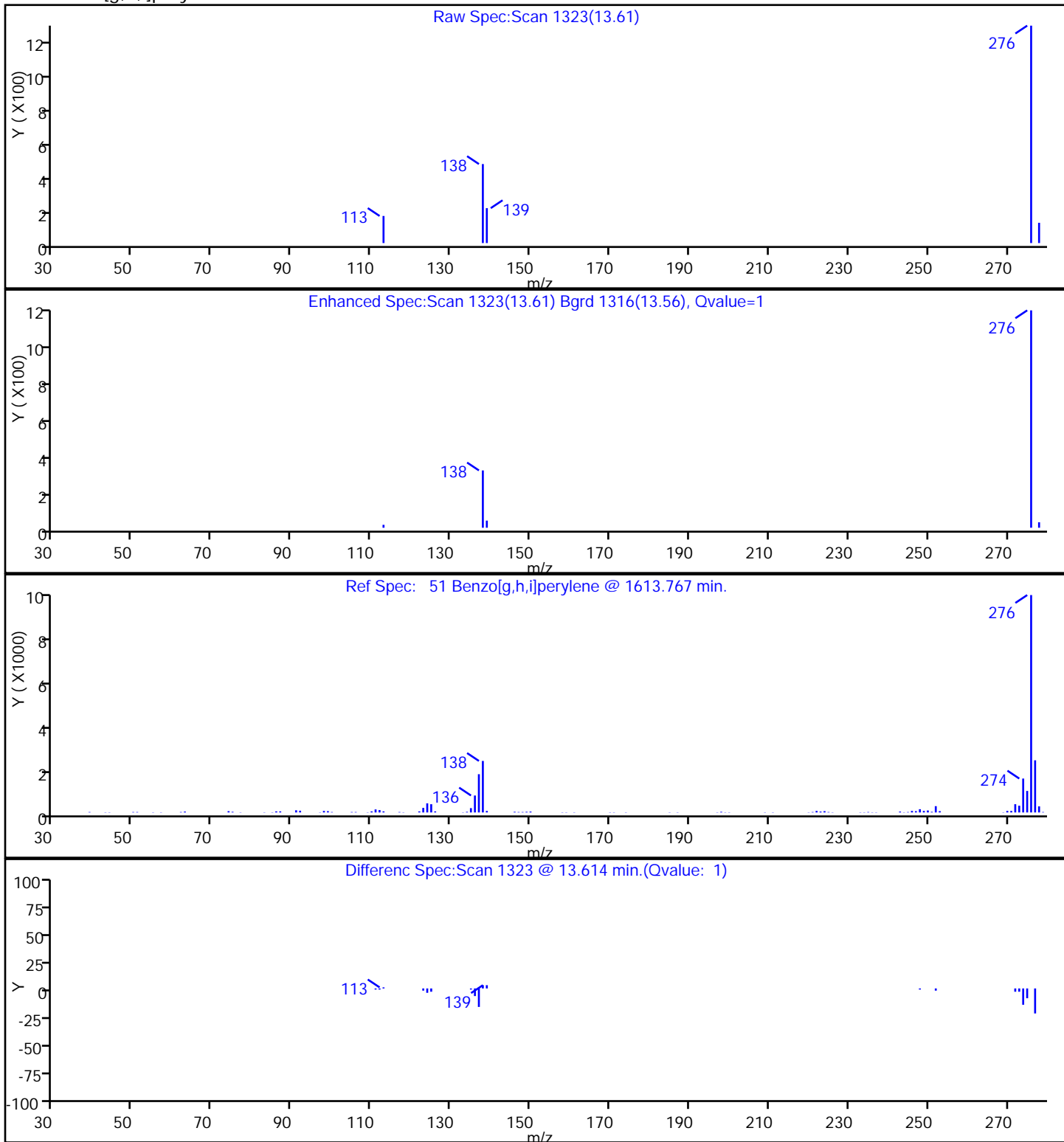
47 Benzo[a]pyrene



50 Indeno[1,2,3-cd]pyrene



51 Benzo[g,h,i]perylene

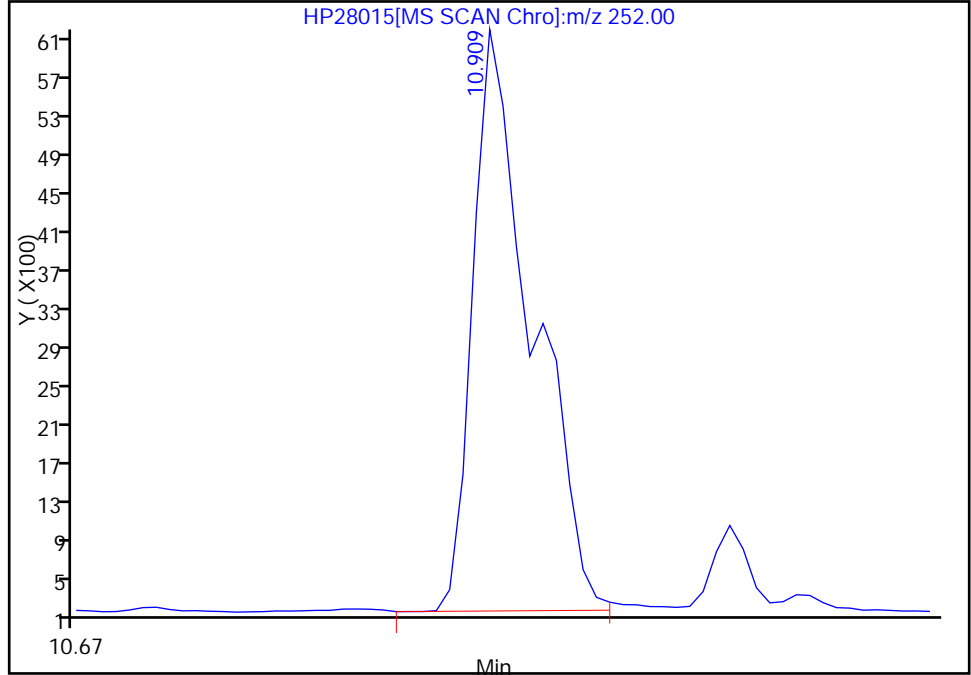


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D
Injection Date: 25-May-2012 15:06:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-RG-COMP-120508 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 12
Operator ID: bat Injection Vol: 1.00 ul

45 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.91

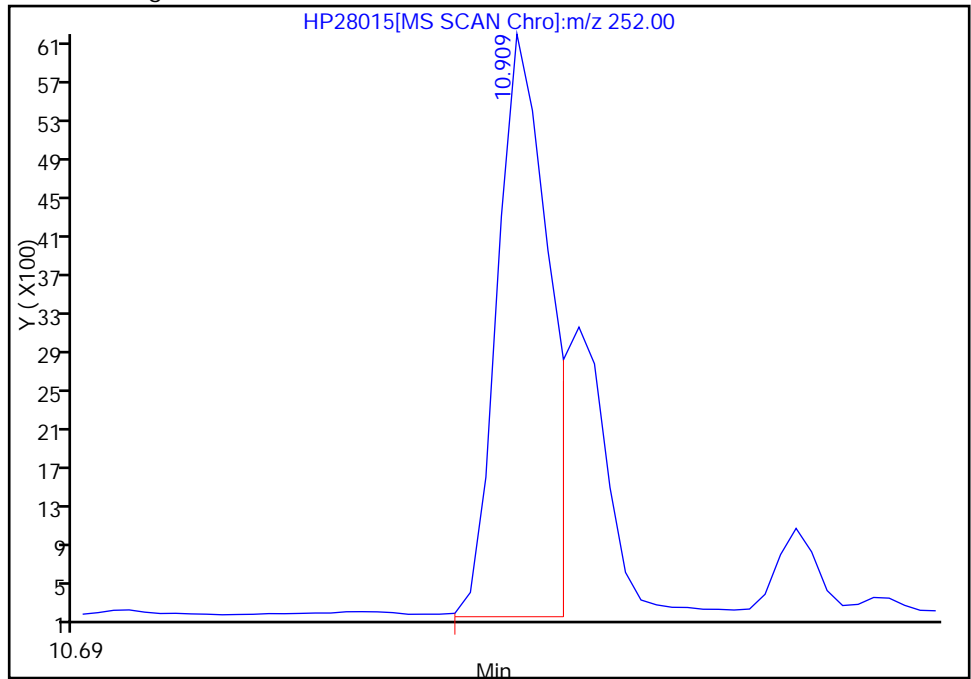
RT: 10.91
Response: 14128
Amount: 32.277479

Processing Integration Results



RT: 10.91
Response: 10211
Amount: 23.328520

Manual Integration Results



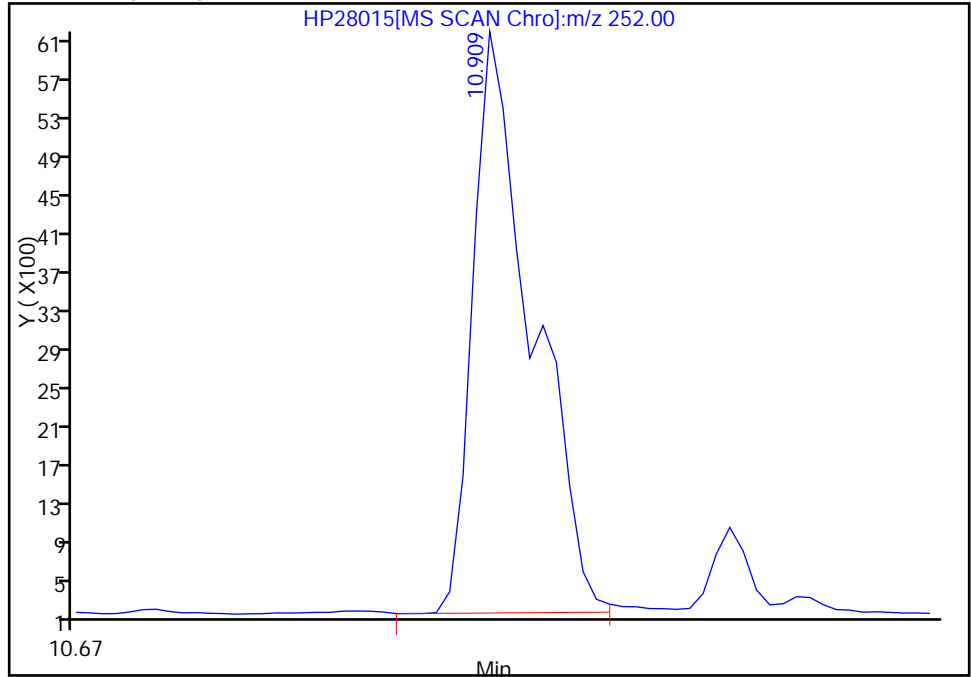
Reviewer: tadesseb, 25-May-2012 16:24:00
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D
Injection Date: 25-May-2012 15:06:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-RG-COMP-120508 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 12
Operator ID: bat Injection Vol: 1.00 ul

46 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.95

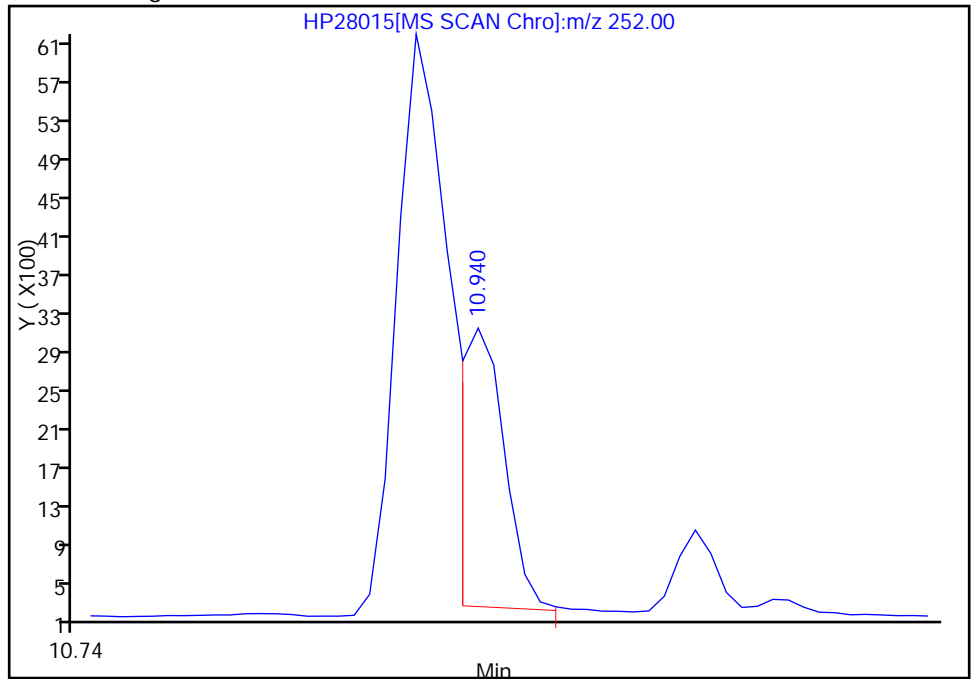
RT: 10.91
Response: 14128
Amount: 31.868991

Processing Integration Results



RT: 10.94
Response: 3820
Amount: 8.616899

Manual Integration Results



Reviewer: tadesseb, 25-May-2012 16:24:00
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32844-1 Analy Batch No.: 110125

SDG No.: _____

Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2012 16:06 Calibration End Date: 04/26/2012 18:38 Calibration ID: 10810

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-110125/3	HP27815.D
Level 2	IC 580-110125/4	HP27816.D
Level 3	IC 580-110125/5	HP27817.D
Level 4	IC 580-110125/6	HP27818.D
Level 5	ICIS 580-110125/7	HP27819.D
Level 6	IC 580-110125/8	HP27820.D
Level 7	IC 580-110125/9	HP27821.D
Level 8	IC 580-110125/10	HP27822.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Naphthalene	1.0626 1.0256	1.2830 1.0460	1.0988 1.0021	1.0313	1.0016	Ave	1.0689				8.6		15.0				
2-Methylnaphthalene	0.6568 0.5941	0.7680 0.6074	0.6174 0.5676	0.6002	0.5807	Ave	0.6240				10.0		15.0				
1-Methylnaphthalene	0.7605 0.5880	0.7384 0.6037	0.6051 0.5705	0.5805	0.5762	Ave	0.6278				12.0		15.0				
Acenaphthylene	1.7602 1.8198	2.1608 1.8878	1.7798 1.7402	1.7311	1.7157	Ave	1.8244				8.0		15.0				
Acenaphthene	1.2707 1.1786	1.4655 1.2123	1.2381 1.1354	1.1920	1.1608	Ave	1.2317				8.4		15.0				
Fluorene	1.2542 1.2214	1.4999 1.2262	1.2559 1.3178	1.2218	1.2171	Ave	1.2768				7.5		15.0				
Pentachlorophenol	0.2008	0.1402 0.2325	0.1269 0.2625	0.1236	0.1781	Qual	-1.467 0.1903		0					0.9980		0.9900	
Phenanthrene	1.2776 1.1751	1.4937 1.2103	1.2152 1.1285	1.1809	1.1438	Ave	1.2275				9.5		15.0				
Anthracene	1.2089 1.1853	1.4455 1.2477	1.1761 1.1698	1.1254	1.1254	Ave	1.2099				8.5		15.0				
Fluoranthene	1.3200 1.3274	1.5460 1.4174	1.3194 1.3161	1.2741	1.2715	Ave	1.3483				6.8		15.0				
Pyrene	1.4065 1.3831	1.6331 1.4738	1.3585 1.3466	1.3198	1.3081	Ave	1.4030				7.6		15.0				
Benzo[a]anthracene	1.0979 1.1172	1.2613 1.1315	1.0531 1.0734	1.0313	1.0470	Ave	1.1010				6.7		15.0				
Chrysene	1.1758 1.0756	1.4086 1.1113	1.1693 1.0175	1.1270	1.0617	Ave	1.1428				10.0		15.0				
Benzo[b]fluoranthene	1.3588 1.3061	1.6278 1.4032	1.3563 1.3843	1.3087	1.3287	Ave	1.3842				7.5		15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32844-1 Analy Batch No.: 110125
 SDG No.: _____
 Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N
 Calibration Start Date: 04/26/2012 16:06 Calibration End Date: 04/26/2012 18:38 Calibration ID: 10810

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Benzo[k]fluoranthene	1.3489	1.5965	1.3281	1.3282	1.3409	Ave	1.4020				7.2	15.0					
	1.4293	1.5045	1.3393														
Benzo[a]pyrene	1.1779	1.3636	1.1632	1.1082	1.1889	Ave	1.2352				7.3	15.0					
	1.2520	1.3423	1.2860														
Indeno[1,2,3-cd]pyrene	1.0798	1.2680	1.0447	0.9745	1.1125	Ave	1.1194				8.3	15.0					
	1.1037	1.2050	1.1669														
Dibenz(a,h)anthracene	1.1477	1.2839	1.1650	1.0778	1.1938	Ave	1.1792				5.2	15.0					
	1.1535	1.2368	1.1749														
Benzo[g,h,i]perylene	1.2404	1.4209	1.2371	1.1204	1.2103	Ave	1.2242				7.4	15.0					
	1.1587	1.2379	1.1681														
Nitrobenzene-d5	0.2949	0.3757	0.3067	0.2834	0.2858	Ave	0.3135				9.7	15.0					
	0.3078	0.3198	0.3340														
2-Fluorobiphenyl	1.5470	1.7999	1.4902	1.4461	1.3714	Ave	1.4768				9.9	15.0					
	1.3881	1.4324	1.3390														
2,4,6-Tribromophenol	0.2037	0.2170	0.1822	0.1846	0.2052	Qual	-0.296	0.2187	0					0.9990		0.9900	
	0.2356	0.2566	0.2893														
Terphenyl-d14	1.0397	1.2350	1.0272	1.0031	1.0074	Ave	1.0601				7.3	15.0					
	1.0378	1.1065	1.0280														

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

Analy Batch No.: 110125

SDG No.: _____

Instrument ID: TAC023

GC Column: ZB-5MS

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2012 16:06

Calibration End Date: 04/26/2012 18:38

Calibration ID: 10810

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-110125/3	HP27815.D
Level 2	IC 580-110125/4	HP27816.D
Level 3	IC 580-110125/5	HP27817.D
Level 4	IC 580-110125/6	HP27818.D
Level 5	ICIS 580-110125/7	HP27819.D
Level 6	IC 580-110125/8	HP27820.D
Level 7	IC 580-110125/9	HP27821.D
Level 8	IC 580-110125/10	HP27822.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8			LVL 6	LVL 7	LVL 8		
Naphthalene	NPT	Ave	2849	6667	28484	55164	257995	5.00	10.0	50.0	100	500
			526496	1072090	2684550			1000	2000	5000		
2-Methylnaphthalene	NPT	Ave	1761	3991	16005	32106	149594	5.00	10.0	50.0	100	500
			304972	622591	1520695			1000	2000	5000		
1-Methylnaphthalene	NPT	Ave	2039	3837	15685	31051	148418	5.00	10.0	50.0	100	500
			301833	618740	1528334			1000	2000	5000		
Acenaphthylene	ANT	Ave	2571	6088	24816	50006	242319	5.00	10.0	50.0	100	500
			515994	1067745	2595885			1000	2000	5000		
Acenaphthene	ANT	Ave	1856	4129	17263	34434	163940	5.00	10.0	50.0	100	500
			334188	685674	1693739			1000	2000	5000		
Fluorene	ANT	Ave	1832	4226	17511	35293	171891	5.00	10.0	50.0	100	500
			346324	693578	1965794			1000	2000	5000		
Pentachlorophenol	ANT	Qual		395	1770	3570	25147		10.0	50.0	100	500
			56922	131497	391605			1000	2000	5000		
Phenanthrene	PHN	Ave	2806	6395	25815	52102	247239	5.00	10.0	50.0	100	500
			503131	1016537	2546197			1000	2000	5000		
Anthracene	PHN	Ave	2655	6189	24984	49655	243260	5.00	10.0	50.0	100	500
			507513	1047978	2639536			1000	2000	5000		
Fluoranthene	PHN	Ave	2899	6619	28029	56212	274832	5.00	10.0	50.0	100	500
			568358	1190504	2969613			1000	2000	5000		
Pyrene	PHN	Ave	3089	6992	28859	58229	282760	5.00	10.0	50.0	100	500
			592192	1237813	3038369			1000	2000	5000		
Benzo[a]anthracene	CRY	Ave	2624	5868	24429	50582	267204	5.00	10.0	50.0	100	500
			566855	1174411	2918750			1000	2000	5000		
Chrysene	CRY	Ave	2810	6553	27126	55272	270938	5.00	10.0	50.0	100	500
			545769	1153508	2766966			1000	2000	5000		
Benzo[b]fluoranthene	PRY	Ave	2479	5823	24492	48886	258574	5.00	10.0	50.0	100	500
			510819	1104980	2867529			1000	2000	5000		
Benzo[k]fluoranthene	PRY	Ave	2461	5711	23982	49615	260959	5.00	10.0	50.0	100	500
			559002	1184758	2774469			1000	2000	5000		

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle Job No.: 580-32844-1 Analy Batch No.: 110125

SDG No.: _____

Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2012 16:06 Calibration End Date: 04/26/2012 18:38 Calibration ID: 10810

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8			LVL 6	LVL 7	LVL 8		
Benzo[a]pyrene	PRY	Ave	2149 489634	4878 1057001	21004 2663923	41395	231380	5.00 1000	10.0 2000	50.0 5000	100	500
Indeno[1,2,3-cd]pyrene	PRY	Ave	1970 431662	4536 948921	18865 2417283	36404	216495	5.00 1000	10.0 2000	50.0 5000	100	500
Dibenz(a,h)anthracene	PRY	Ave	2094 451123	4593 973945	21038 2433908	40262	232333	5.00 1000	10.0 2000	50.0 5000	100	500
Benzo[g,h,i]perylene	PRY	Ave	2263 453172	5083 974794	22340 2419736	41853	235538	5.00 1000	10.0 2000	50.0 5000	100	500
Nitrobenzene-d5	NPT	Ave	778 155476	1921 322573	7824 880358	14915	72453	4.92 984	9.84 1968	49.2 4920	98.4	492
2-Fluorobiphenyl	ANT	Ave	2228 388074	5000 798866	20487 1969505	41188	190975	4.93 986	9.86 1972	49.3 4930	98.6	493
2,4,6-Tribromophenol	ANT	Qual	293 65796	602 142900	2502 425037	5252	28539	4.92 985	9.85 1970	49.2 4924	98.5	492
Terphenyl-d14	PHN	Ave	2215 431031	5129 901504	21167 2249893	42931	211211	4.85 970	9.70 1940	48.5 4850	97.0	485

Curve Type Legend:

Ave = Average ISTD
Qual = Quadratic 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D
 Lims ID: ic std 5.0ppb Client ID:
 Inject. Date: 26-Apr-2012 16:06:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: ic std 5.0ppb
 Misc. Info.: 580-0022916-003 =580-0022916-003
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 110125 Lims Sample ID: 3
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:56:30 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:56:30

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.881	3.881	0.0	1	20045	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	51051	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	28629	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	43046	98.0	
* 5 Chrysene-d12	240	9.742	9.742	0.0	1	46891	98.1	
* 6 Perylene-d12	264	11.510	11.503	0.007	1	36088	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	778	4.63	M
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	2228	5.16	
\$ 51 2,4,6-Tribromophenol	330	6.945	6.945	0.0	0	293	5.94	M
\$ 12 Terphenyl-d14	244	8.823	8.823	0.0	1	2215	4.75	
26 Naphthalene	128	4.882	4.882	0.0	0	2849	4.97	M
27 2-Methylnaphthalene	141	5.435	5.435	0.0	1	1761	5.26	
28 1-Methylnaphthalene	141	5.511	5.521	-0.010	1	2039	6.06	
31 Acenaphthylene	152	6.178	6.178	0.0	1	2571	4.82	
29 Acenaphthene	153	6.316	6.316	0.0	4	1856	5.16	
32 Fluorene	166	6.738	6.751	-0.013	1	1832	4.91	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	585	17.4	M
37 Phenanthrene	178	7.537	7.537	0.0	1	2806	5.20	
38 Anthracene	178	7.577	7.577	0.0	1	2655	4.99	
42 Fluoranthene	202	8.514	8.514	0.0	1	2899	4.89	
41 Pyrene	202	8.705	8.705	0.0	39	3089	5.01	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	2624	4.98	
43 Chrysene	228	9.767	9.767	0.0	1	2810	5.14	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	2479	4.91	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	2461	4.81	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	2149	4.77	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	1970	4.82	M
49 Dibenz(a,h)anthracene	278	13.275	13.267	0.008	1	2094	4.87	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	2263	5.07	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 02-May-2012 11:56:30

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D

Injection Date: 26-Apr-2012 16:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

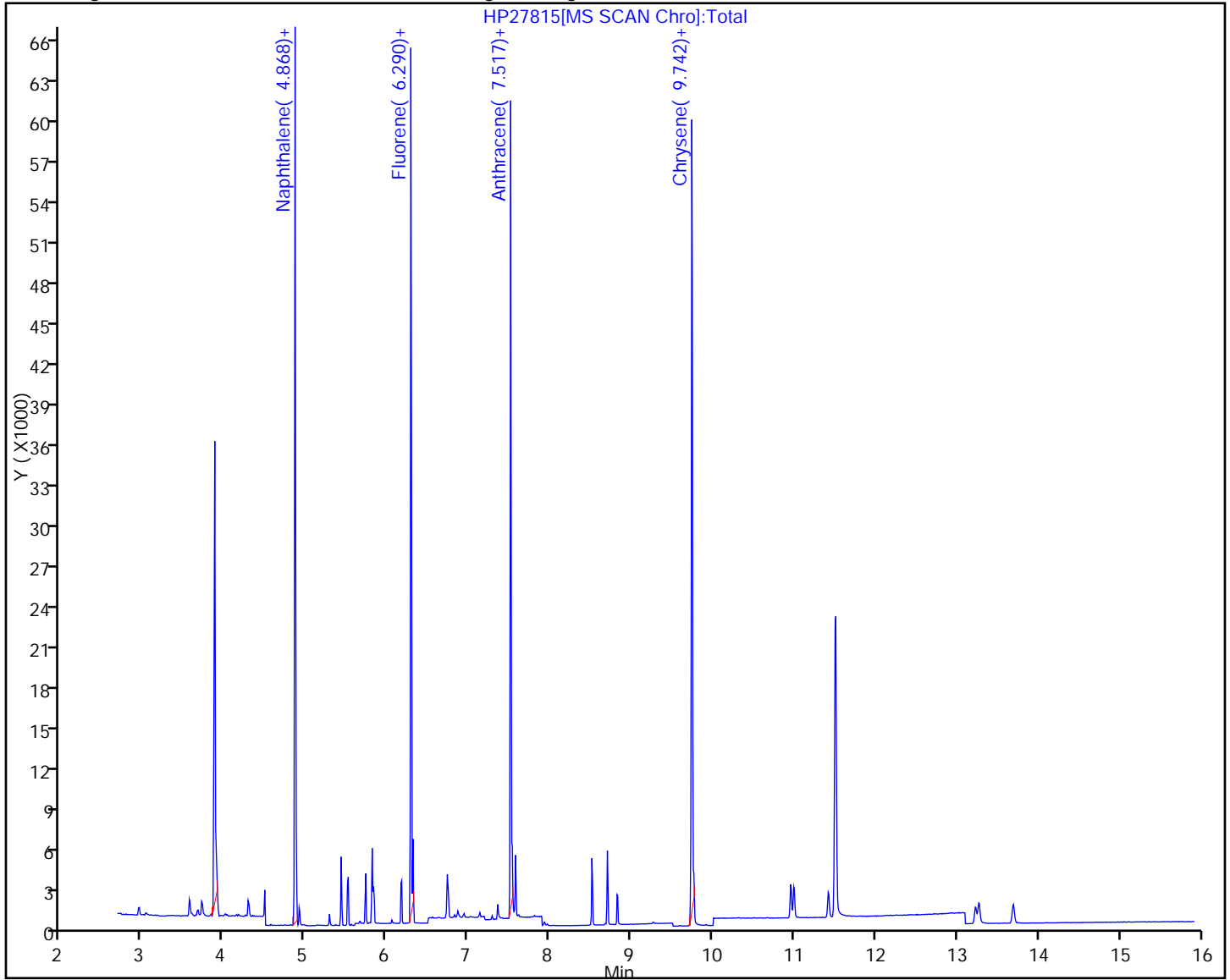
Lims Batch ID: 110125

Lims Sample ID: 3

Operator ID: bat

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D

Injection Date: 26-Apr-2012 16:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

Lims Batch ID: 110125

Lims Sample ID: 3

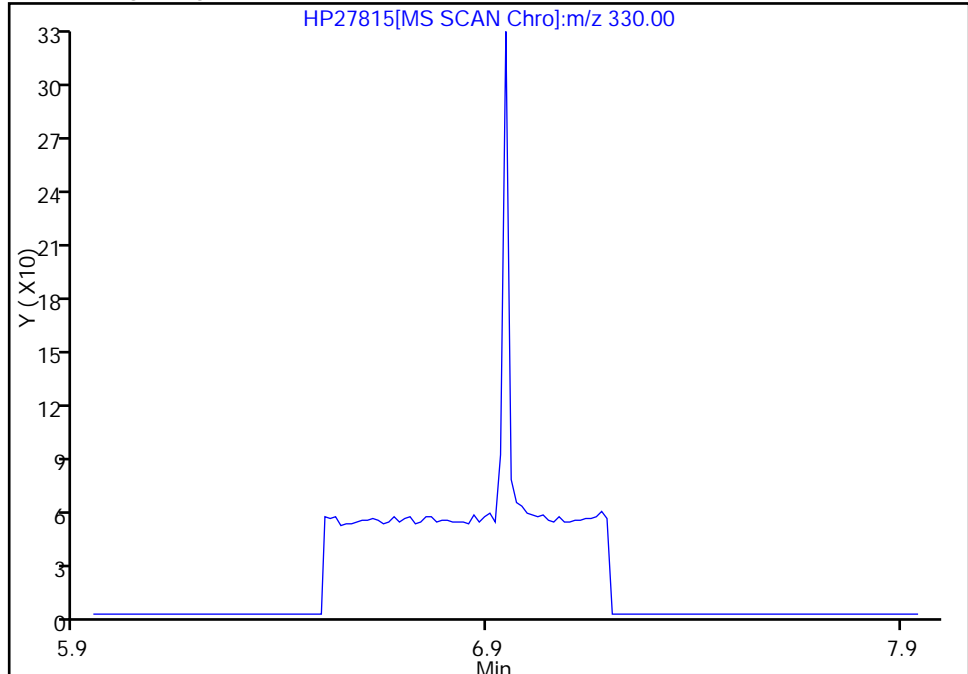
Operator ID: bat

Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.94

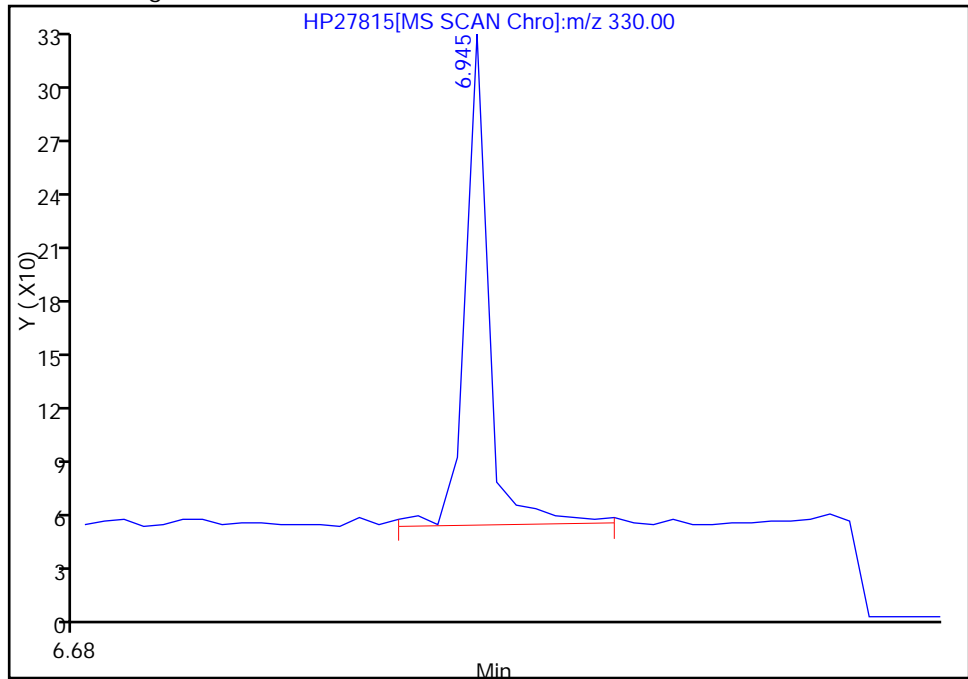
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 293
Amount: 5.936334

Manual Integration Results



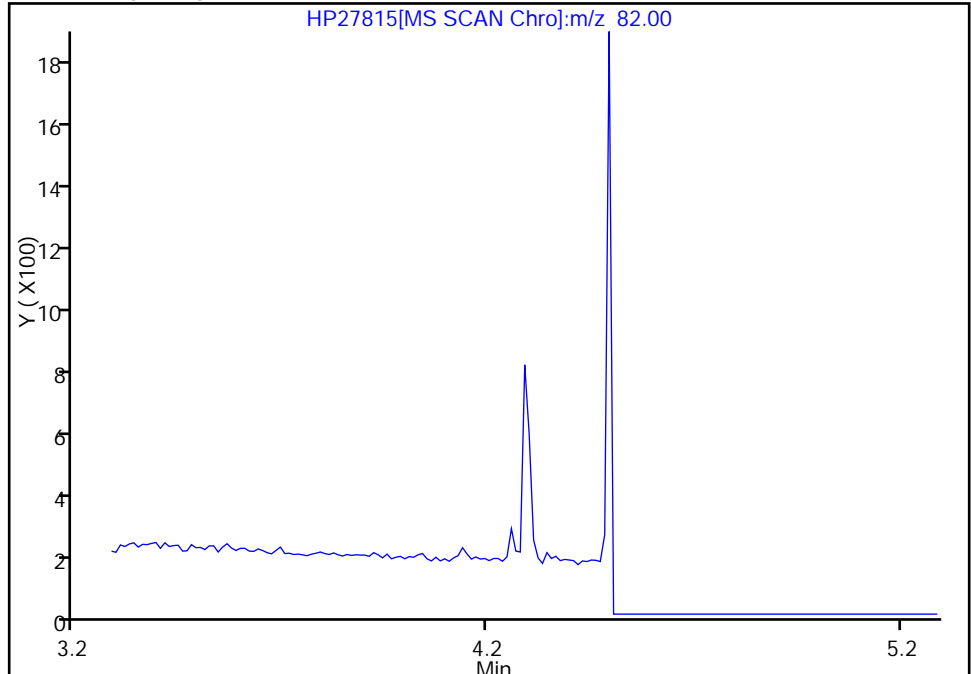
Reviewer: tadesseb, 26-Apr-2012 18:10:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D
Injection Date: 26-Apr-2012 16:06:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 3
Operator ID: bat Injection Vol: 1.00 ul

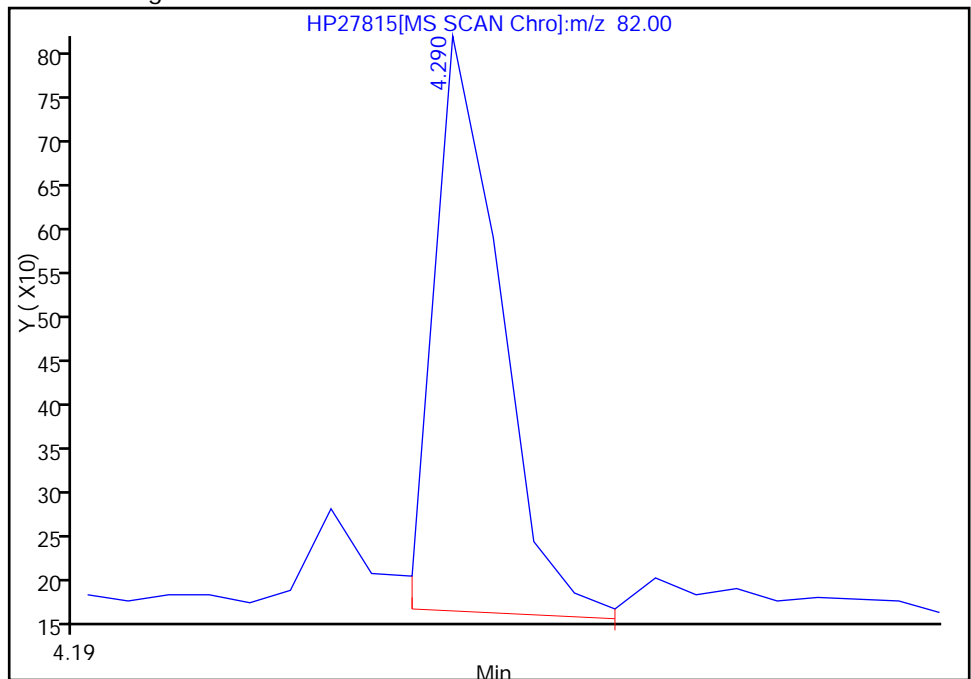
\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

Not Detected
Expected RT: 4.29

Processing Integration Results



Manual Integration Results



RT: 4.29
Response: 778
Amount: 4.627612

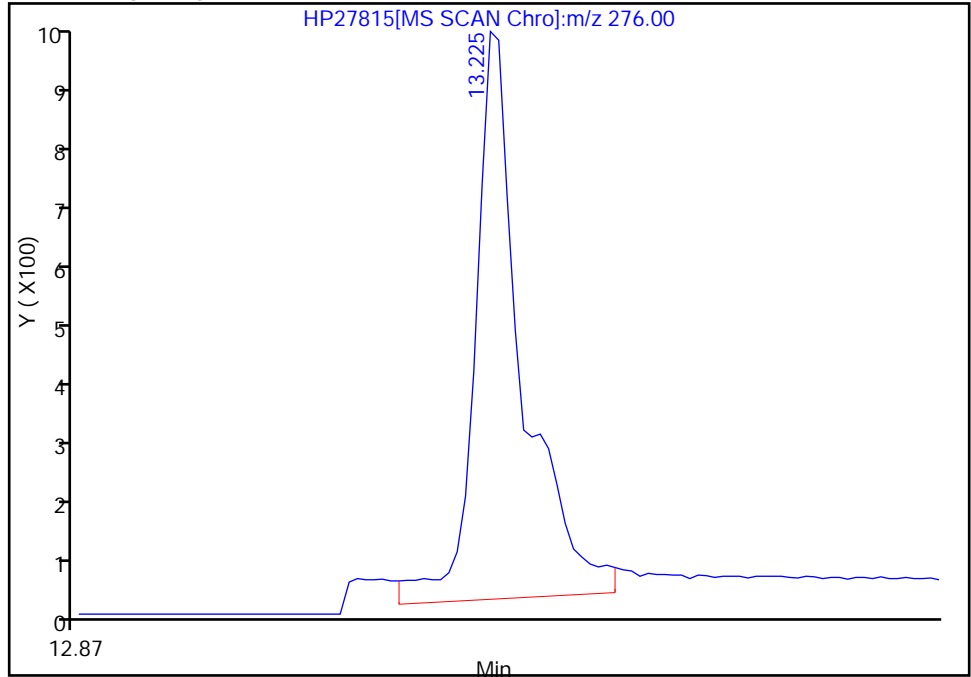
Reviewer: tadesseb, 26-Apr-2012 18:10:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D
Injection Date: 26-Apr-2012 16:06:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 3
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.22

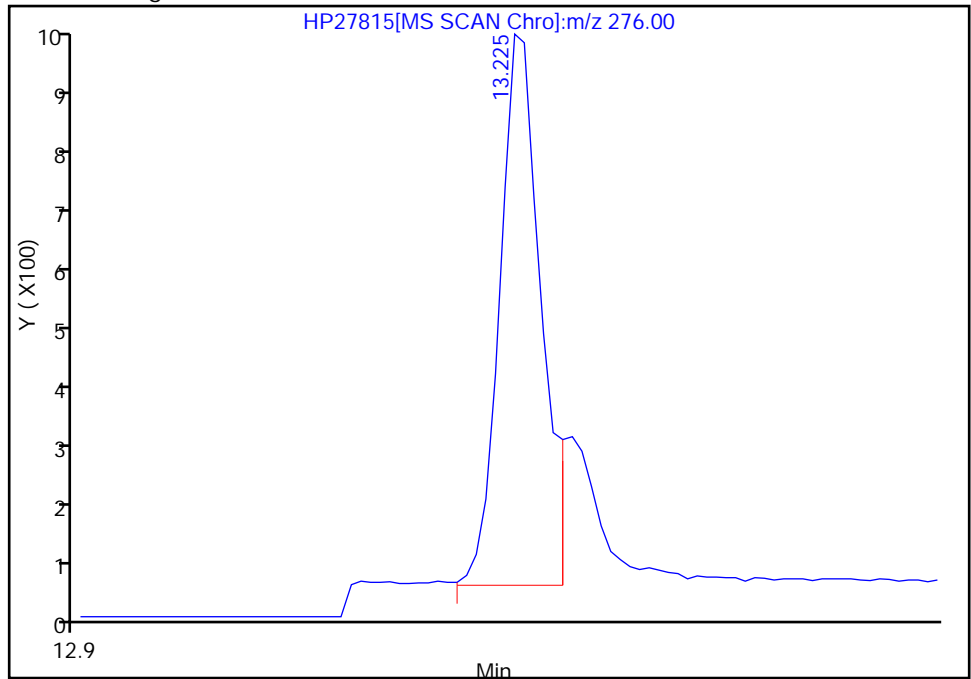
RT: 13.22
Response: 2742
Amount: 7.739588

Processing Integration Results



RT: 13.22
Response: 1970
Amount: 4.822989

Manual Integration Results



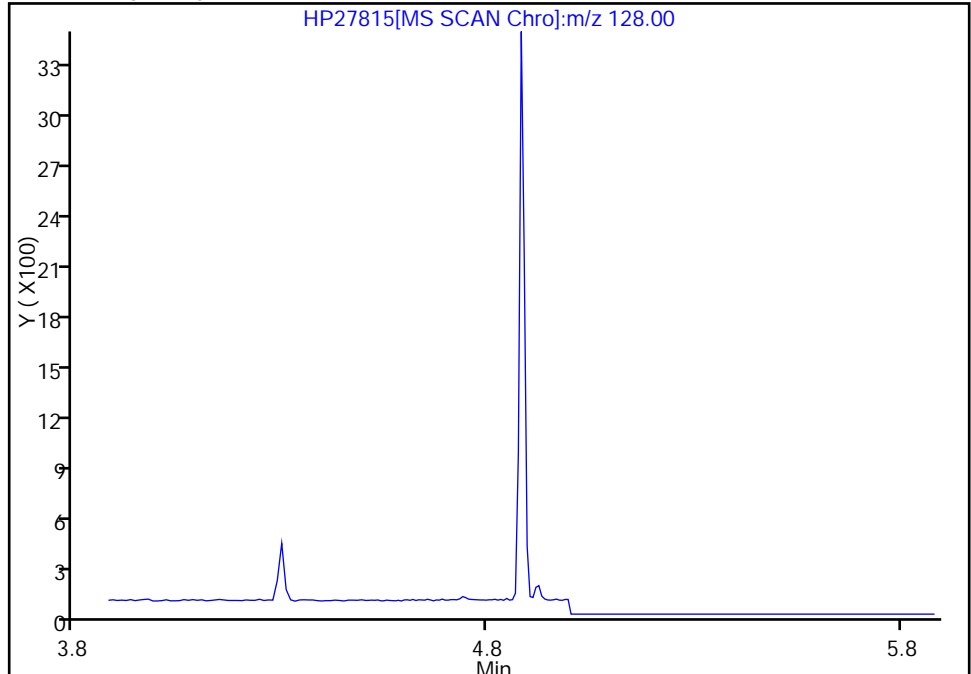
Reviewer: tadesseb, 26-Apr-2012 18:10:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D
Injection Date: 26-Apr-2012 16:06:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 3
Operator ID: bat Injection Vol: 1.00 ul

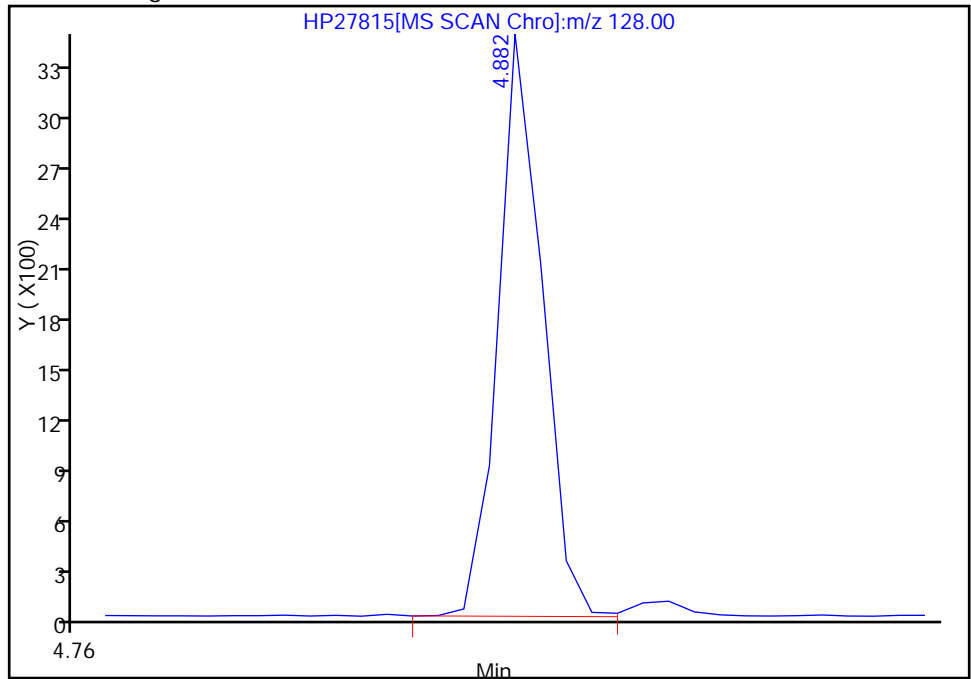
26 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 4.88

Not Detected
Expected RT: 4.88

Processing Integration Results



Manual Integration Results



RT: 4.88
Response: 2849
Amount: 4.970531

Reviewer: tadesseb, 26-Apr-2012 18:10:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27816.D
 Lims ID: ic std 10.0 ppb Client ID:
 Inject. Date: 26-Apr-2012 16:28:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: ic std 10.0 ppb
 Misc. Info.: 580-0022916-004 =580-0022916-004
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 110125 Lims Sample ID: 4
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 12:10:54 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:56:47

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.881	3.881	0.0	1	19771	95.6	
* 2 Naphthalene-d8	136	4.867	4.868	-0.001	1	49469	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27611	98.0	
* 4 Phenanthrene-d10	188	7.516	7.517	-0.001	1	41958	98.0	
* 5 Chrysene-d12	240	9.741	9.742	-0.001	1	45638	98.1	
* 6 Perylene-d12	264	11.502	11.503	-0.001	1	35379	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	1921	11.8	M
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	5000	12.0	
\$ 51 2,4,6-Tribromophenol	330	6.944	6.945	-0.001	0	602	11.1	M
\$ 12 Terphenyl-d14	244	8.823	8.823	0.0	1	5129	11.3	
26 Naphthalene	128	4.882	4.882	0.0	1	6667	12.0	
27 2-Methylnaphthalene	141	5.434	5.435	-0.001	1	3991	12.3	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	3837	11.8	
31 Acenaphthylene	152	6.177	6.178	-0.001	1	6088	11.8	
29 Acenaphthene	153	6.315	6.316	-0.001	5	4129	11.9	
32 Fluorene	166	6.751	6.751	0.0	1	4226	11.7	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	395	14.2	M
37 Phenanthrene	178	7.536	7.537	-0.001	1	6395	12.2	
38 Anthracene	178	7.577	7.577	0.0	1	6189	11.9	
42 Fluoranthene	202	8.514	8.514	0.0	1	6619	11.5	
41 Pyrene	202	8.704	8.705	-0.001	39	6992	11.6	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	5868	11.5	
43 Chrysene	228	9.767	9.767	0.0	1	6553	12.3	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	5823	11.8	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	5711	11.4	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	4878	11.0	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	4536	11.3	M
49 Dibenz(a,h)anthracene	278	13.267	13.267	0.0	1	4593	10.9	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	5083	11.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 02-May-2012 12:10:54

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27816.D

Injection Date: 26-Apr-2012 16:28:30

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

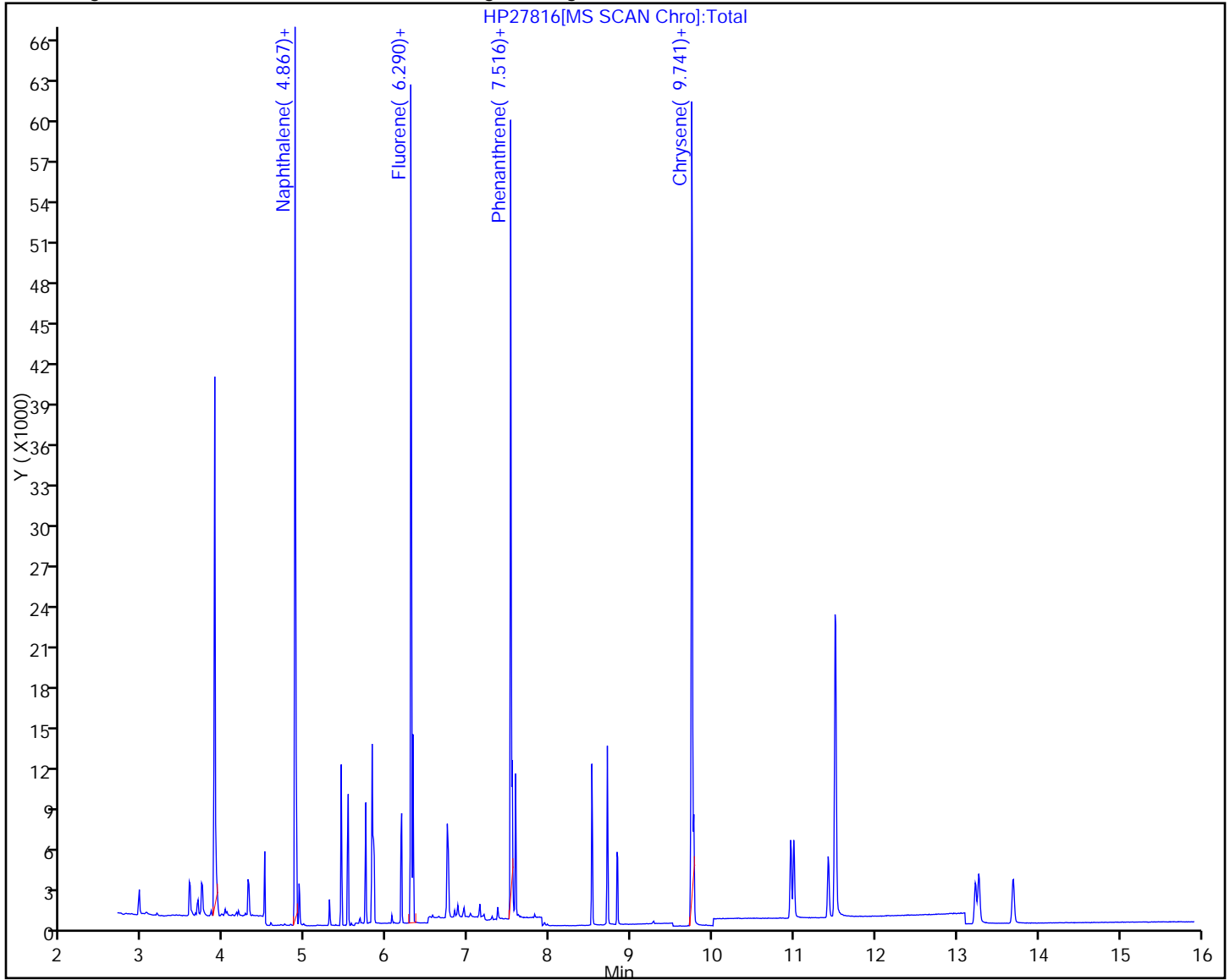
Lims Batch ID: 110125

Lims Sample ID: 4

Operator ID: bat

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

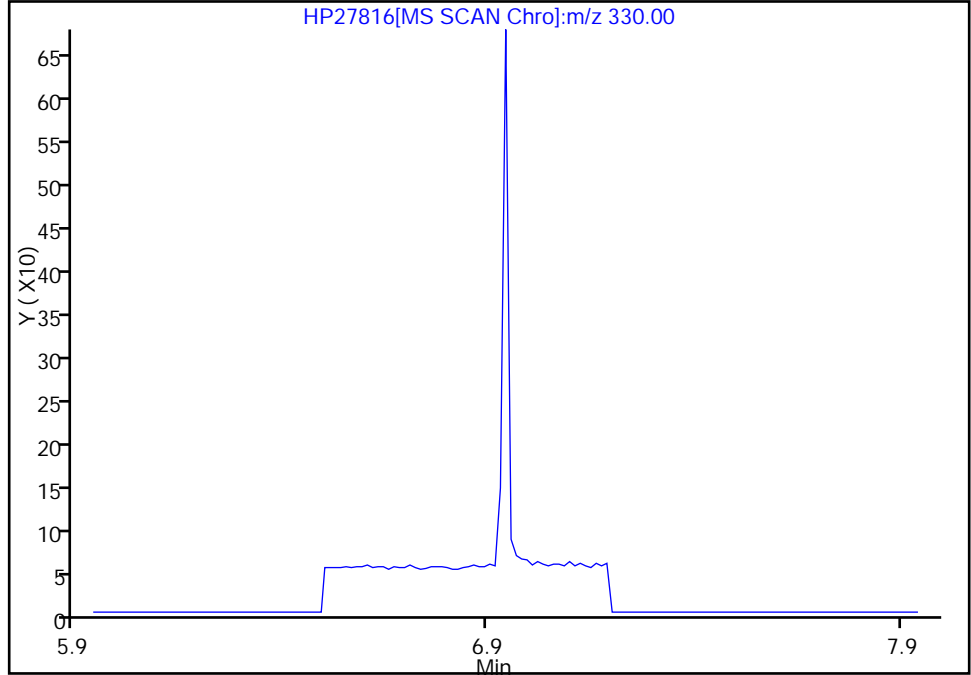


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27816.D
Injection Date: 26-Apr-2012 16:28:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 4
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.94

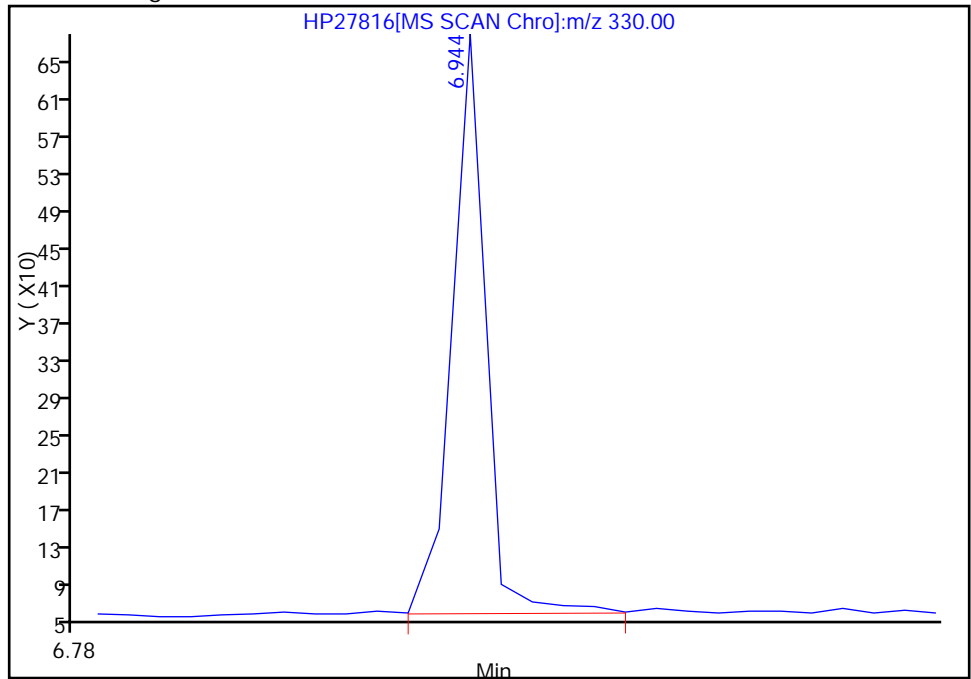
Not Detected
Expected RT: 6.94

Processing Integration Results



Manual Integration Results

RT: 6.94
Response: 602
Amount: 11.114144



Reviewer: tadesseb, 26-Apr-2012 18:09:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27816.D

Injection Date: 26-Apr-2012 16:28:30

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

Lims Batch ID: 110125

Lims Sample ID: 4

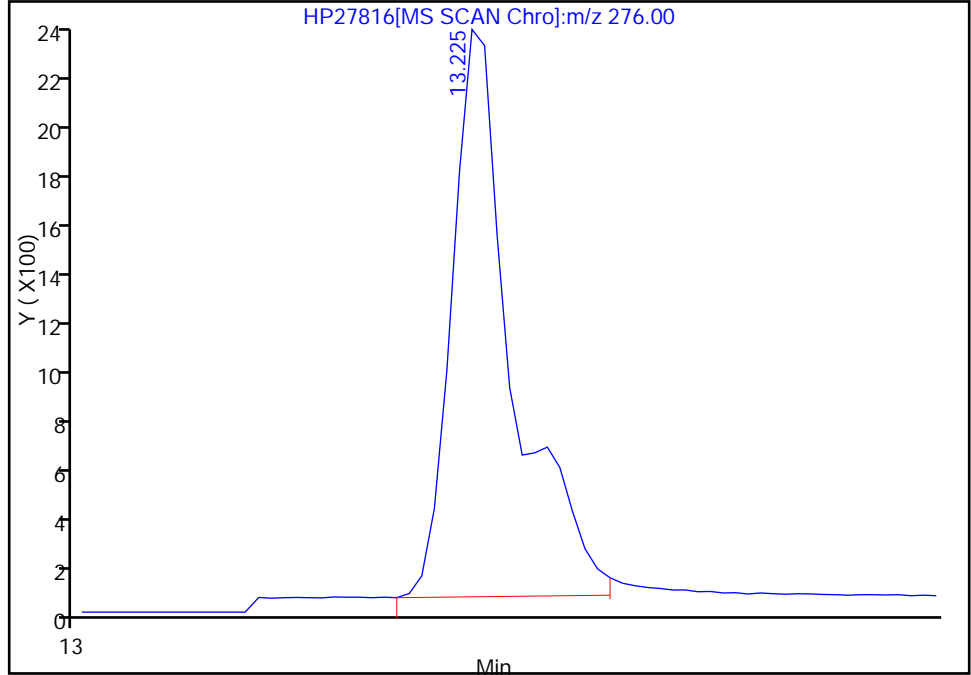
Operator ID: bat

Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.22

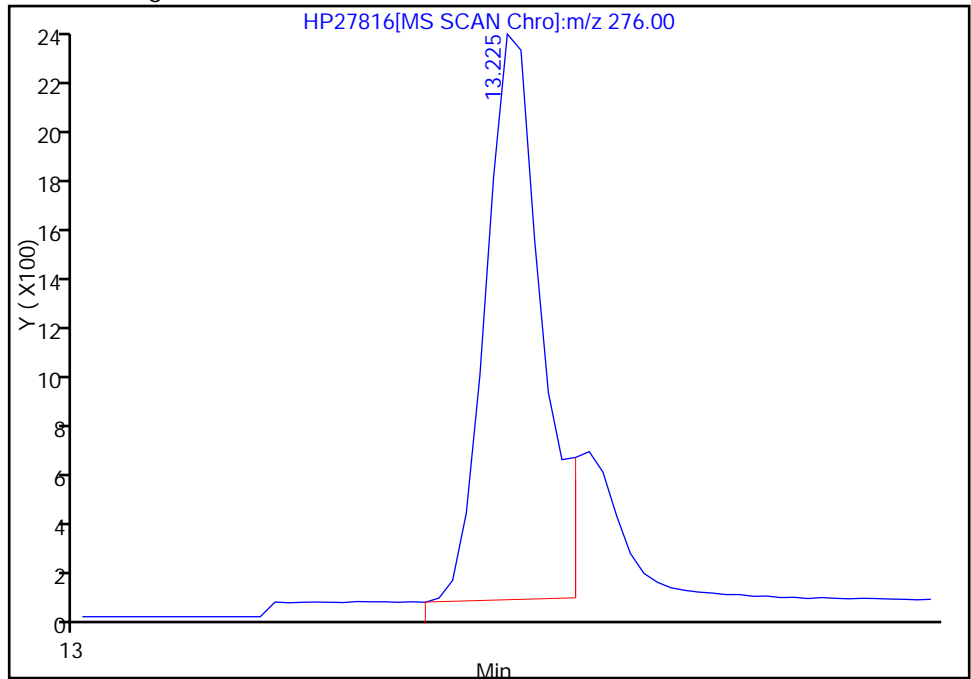
RT: 13.22
Response: 5447
Amount: 16.145845

Processing Integration Results



RT: 13.22
Response: 4536
Amount: 11.327664

Manual Integration Results



Reviewer: tadesseb, 26-Apr-2012 18:09:16

Audit Action: Manually Integrated

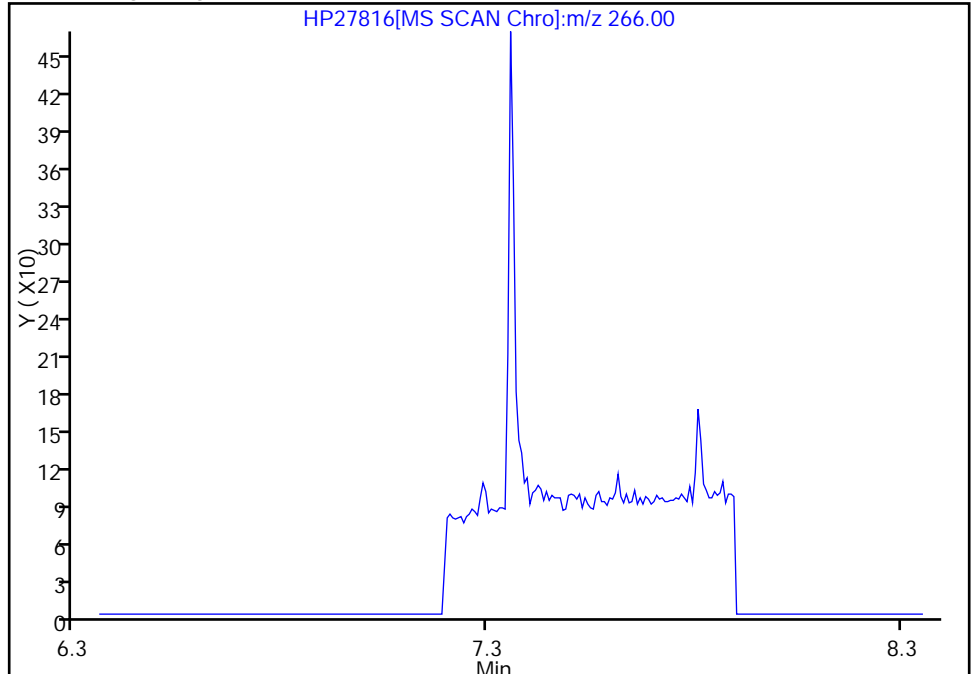
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27816.D
Injection Date: 26-Apr-2012 16:28:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 4
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

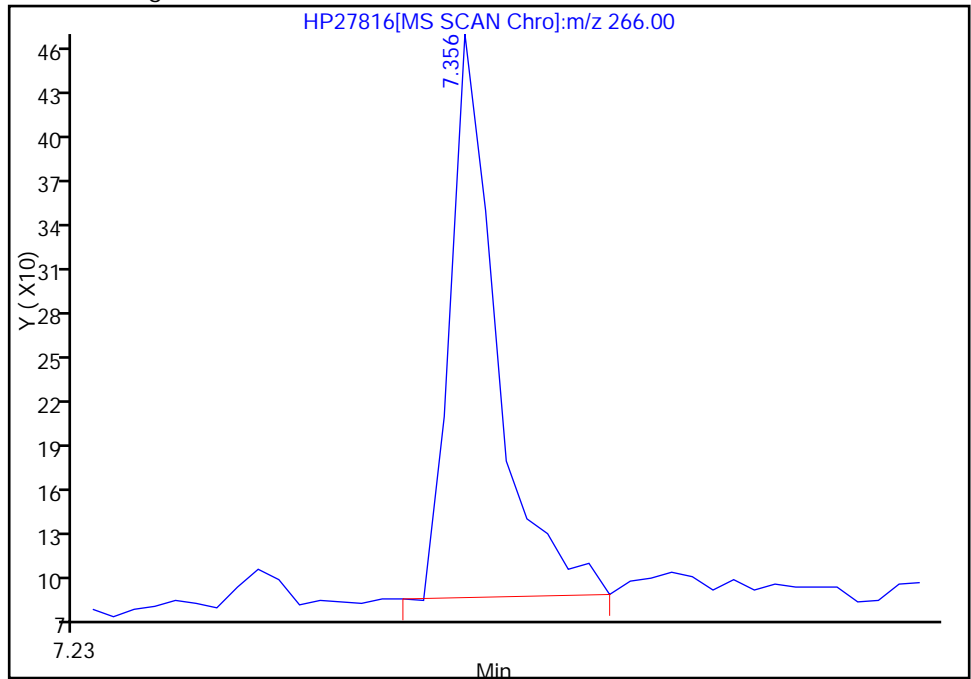
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.36
Response: 395
Amount: 14.153173



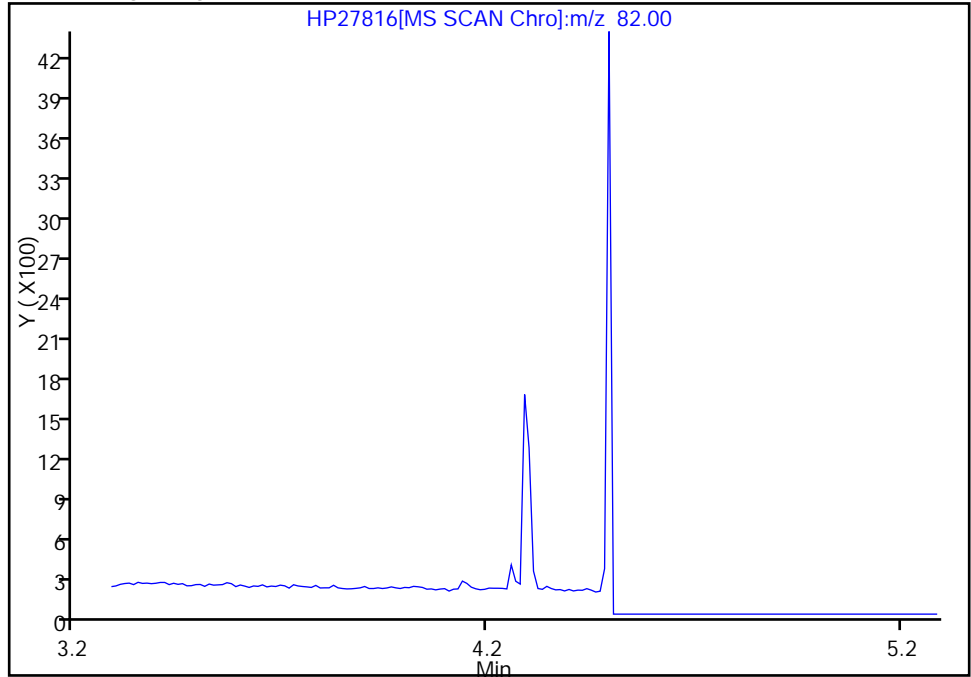
Reviewer: tadesseb, 02-May-2012 12:10:54
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27816.D
Injection Date: 26-Apr-2012 16:28:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 4
Operator ID: bat Injection Vol: 1.00 ul

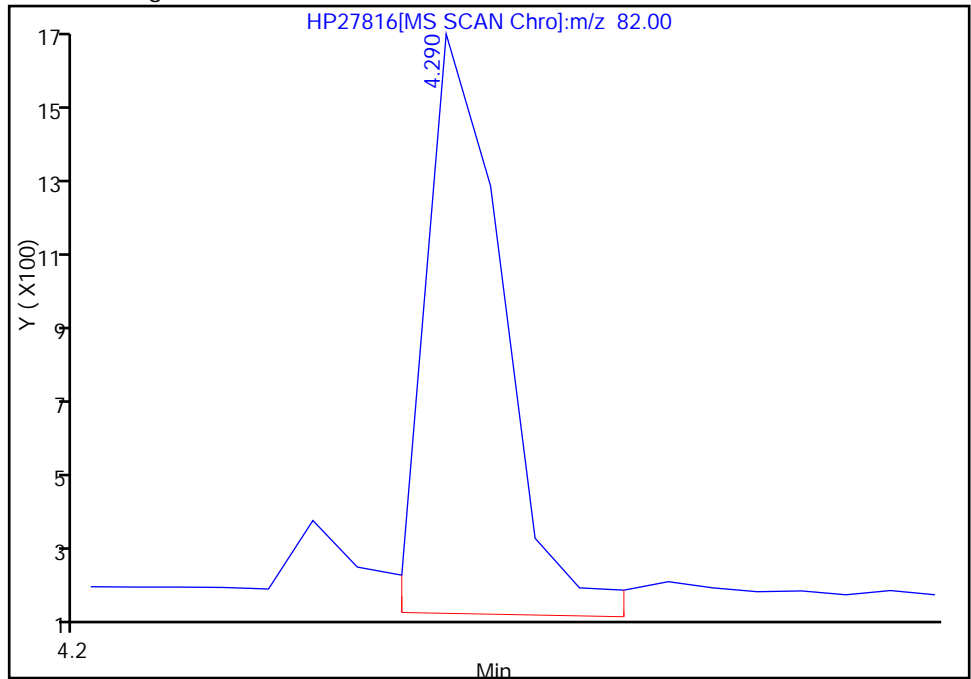
\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

Not Detected
Expected RT: 4.29

Processing Integration Results



Manual Integration Results



RT: 4.29
Response: 1921
Amount: 11.791683

Reviewer: tadesseb, 26-Apr-2012 18:09:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27817.D
 Lims ID: ic std 50.0 ppb Client ID:
 Inject. Date: 26-Apr-2012 16:50:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: ic std 50.0 ppb
 Misc. Info.: 580-0022916-005 =580-0022916-005
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 110125 Lims Sample ID: 5
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 12:11:27 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:57:41

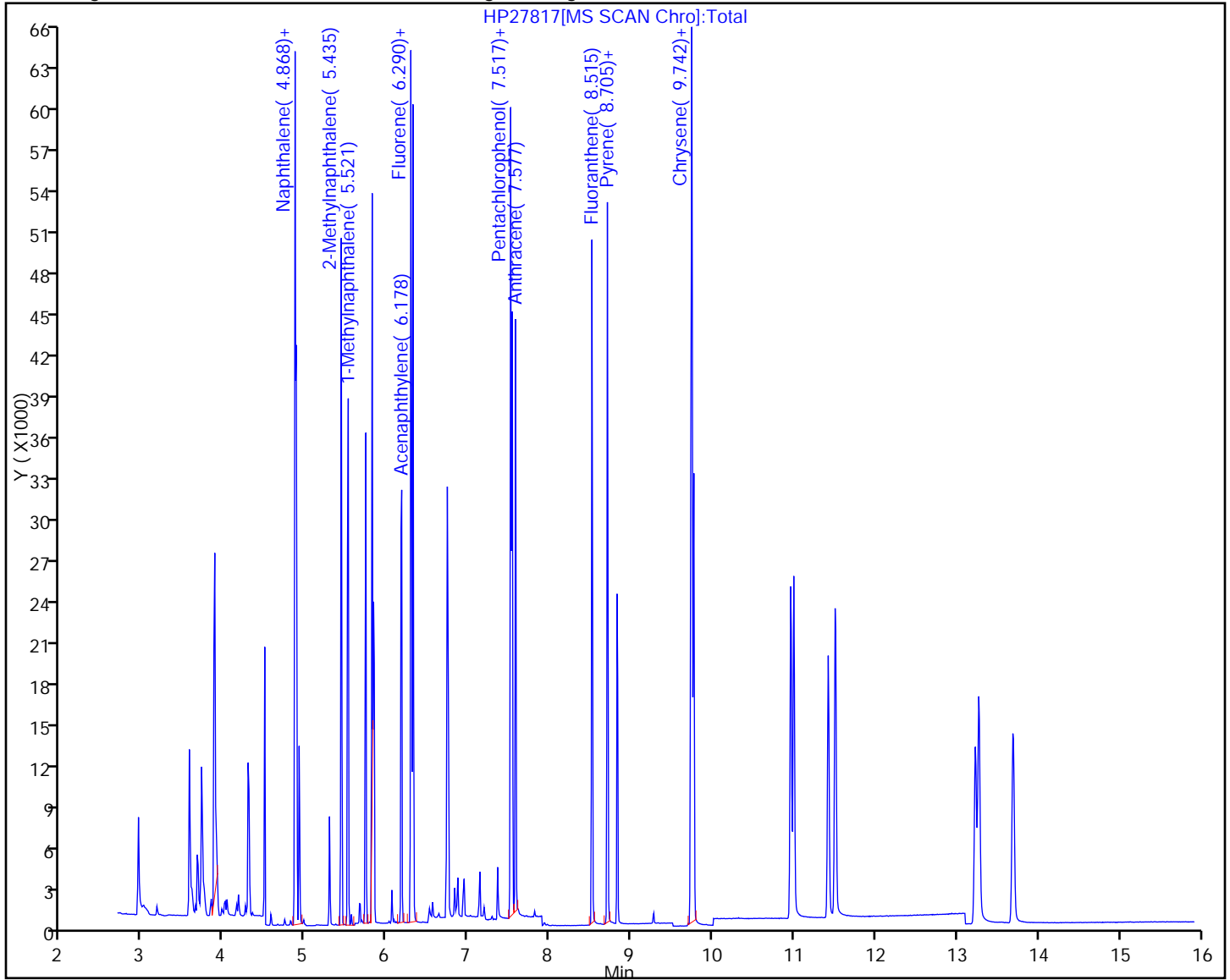
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.881	3.881	0.0	1	20457	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	49358	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27328	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	41637	98.0	
* 5 Chrysene-d12	240	9.742	9.742	0.0	1	45515	98.1	
* 6 Perylene-d12	264	11.503	11.503	0.0	1	35718	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	7824	48.1	
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	20487	49.7	
\$ 51 2,4,6-Tribromophenol	330	6.945	6.945	0.0	0	2502	42.3	M
\$ 12 Terphenyl-d14	244	8.824	8.823	0.001	1	21167	47.0	
26 Naphthalene	128	4.882	4.882	0.0	1	28484	51.4	
27 2-Methylnaphthalene	141	5.435	5.435	0.0	1	16005	49.5	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	15685	48.2	
31 Acenaphthylene	152	6.178	6.178	0.0	1	24816	48.8	
29 Acenaphthene	153	6.316	6.316	0.0	4	17263	50.3	
32 Fluorene	166	6.738	6.751	-0.013	1	17511	49.2	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	1770	40.9	M
37 Phenanthrene	178	7.537	7.537	0.0	1	25815	49.5	
38 Anthracene	178	7.577	7.577	0.0	1	24984	48.6	
42 Fluoranthene	202	8.515	8.514	0.0	1	28029	48.9	
41 Pyrene	202	8.705	8.705	0.0	39	28859	48.4	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	24429	47.8	
43 Chrysene	228	9.767	9.767	0.0	1	27126	51.1	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	24492	49.0	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	23982	47.4	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	21004	47.1	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	18865	46.7	M
49 Dibenz(a,h)anthracene	278	13.268	13.267	0.001	1	21038	49.4	
51 Benzo[g,h,i]perylene	276	13.686	13.693	-0.007	1	22340	50.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

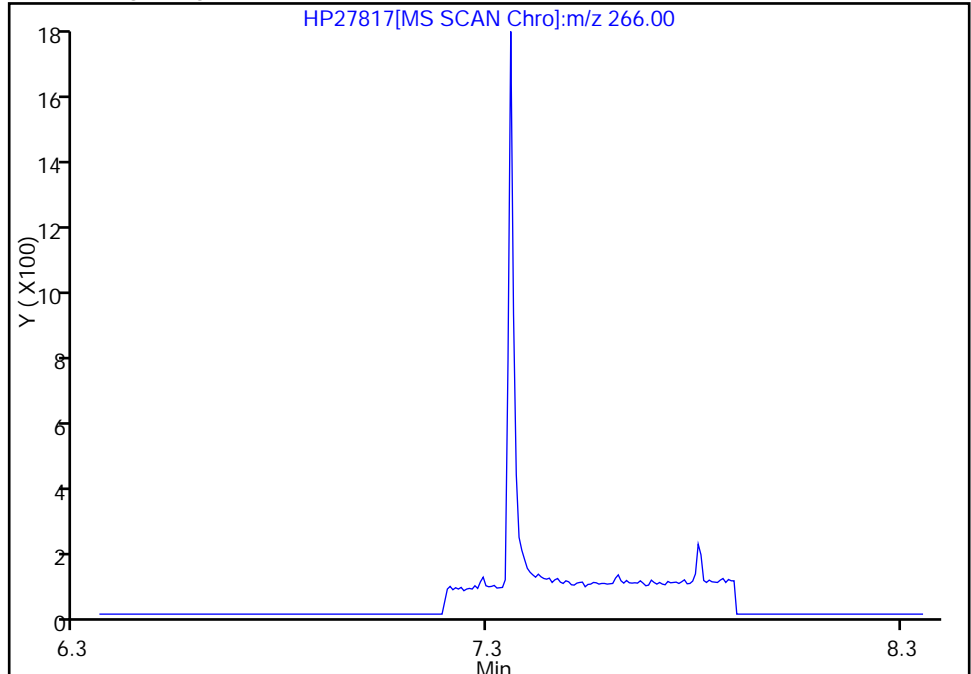


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27817.D
Injection Date: 26-Apr-2012 16:50:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 5
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

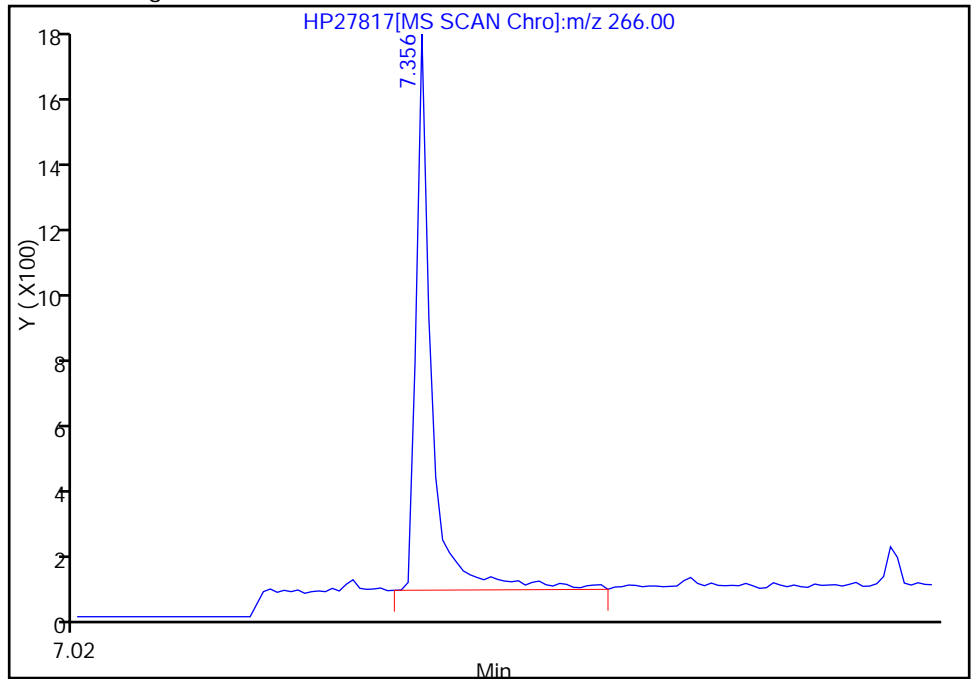
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.36
Response: 1770
Amount: 40.886105



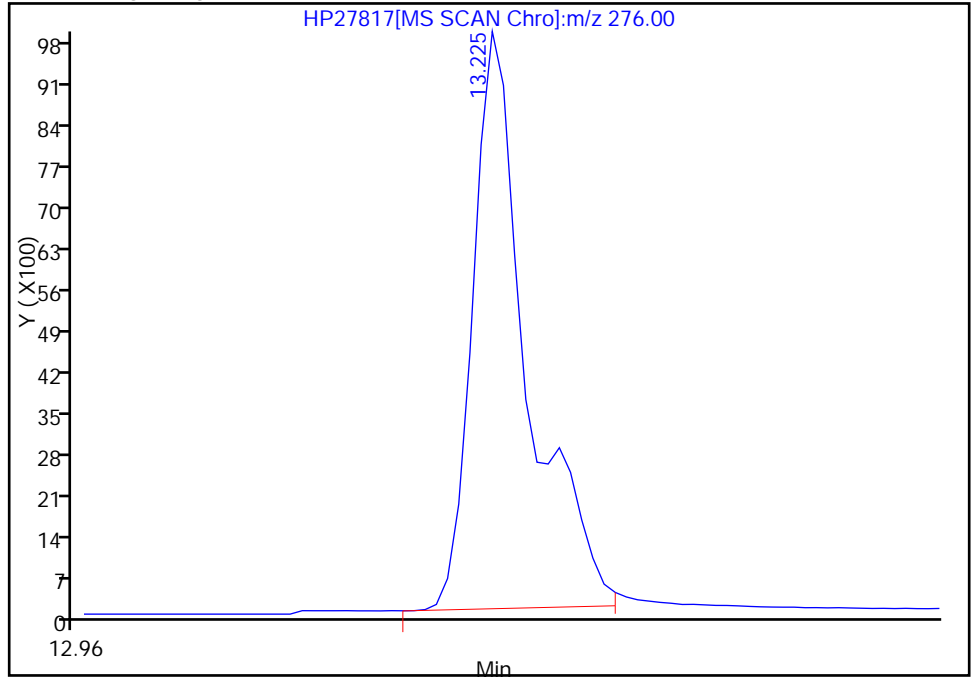
Reviewer: tadesseb, 02-May-2012 12:11:27
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27817.D
Injection Date: 26-Apr-2012 16:50:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 5
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.22

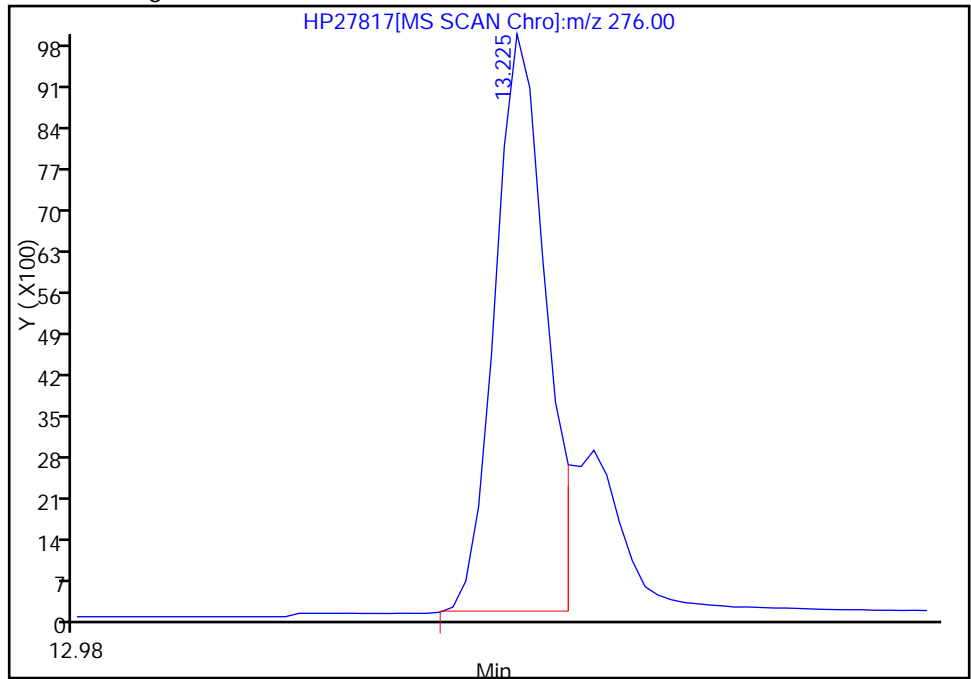
RT: 13.22
Response: 23805
Amount: 67.446781

Processing Integration Results



RT: 13.22
Response: 18865
Amount: 46.664064

Manual Integration Results



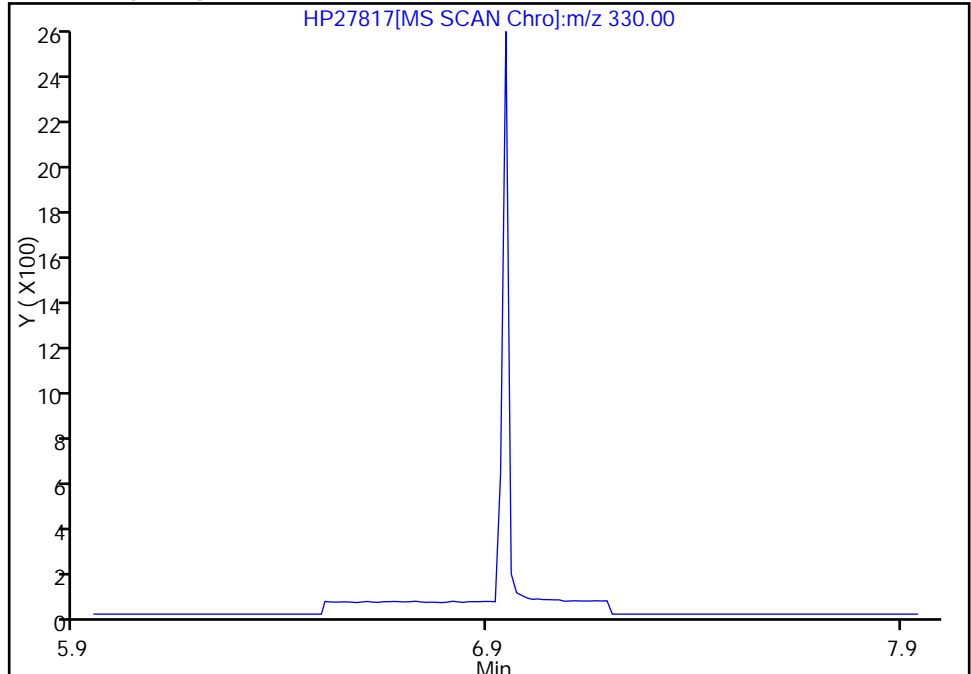
Reviewer: tadesseb, 26-Apr-2012 18:08:33
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27817.D
Injection Date: 26-Apr-2012 16:50:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 5
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.94

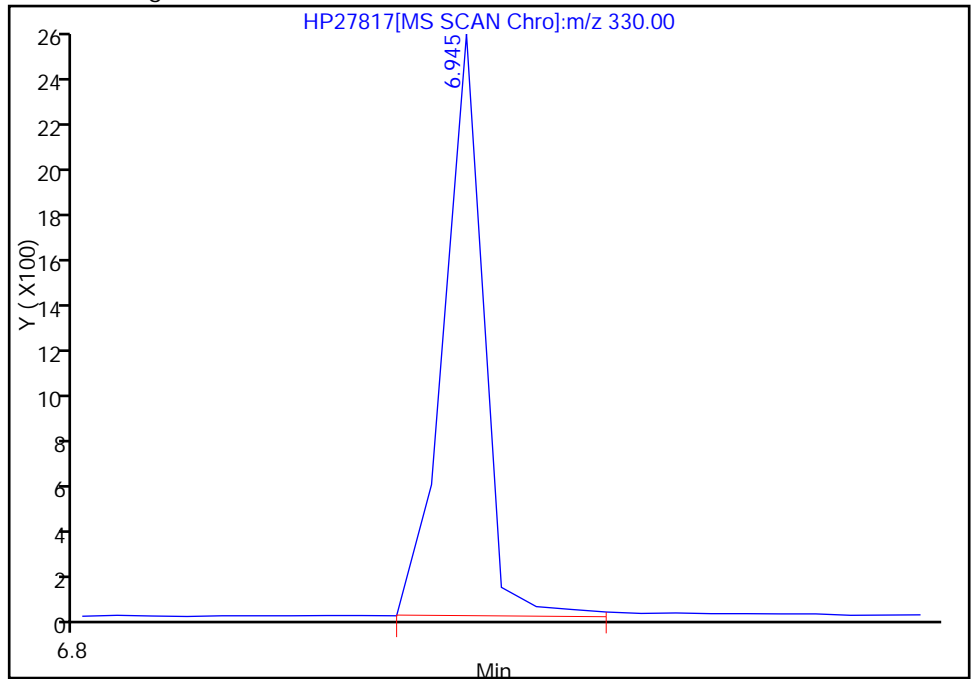
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 2502
Amount: 42.257750

Manual Integration Results



Reviewer: tadesseb, 26-Apr-2012 18:08:33
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27818.D
 Lims ID: ic std 100.0 ppb Client ID:
 Inject. Date: 26-Apr-2012 17:11:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: ic std 100.0 ppb
 Misc. Info.: 580-0022916-006 =580-0022916-006
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 110125 Lims Sample ID: 6
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 12:12:09 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:58:00

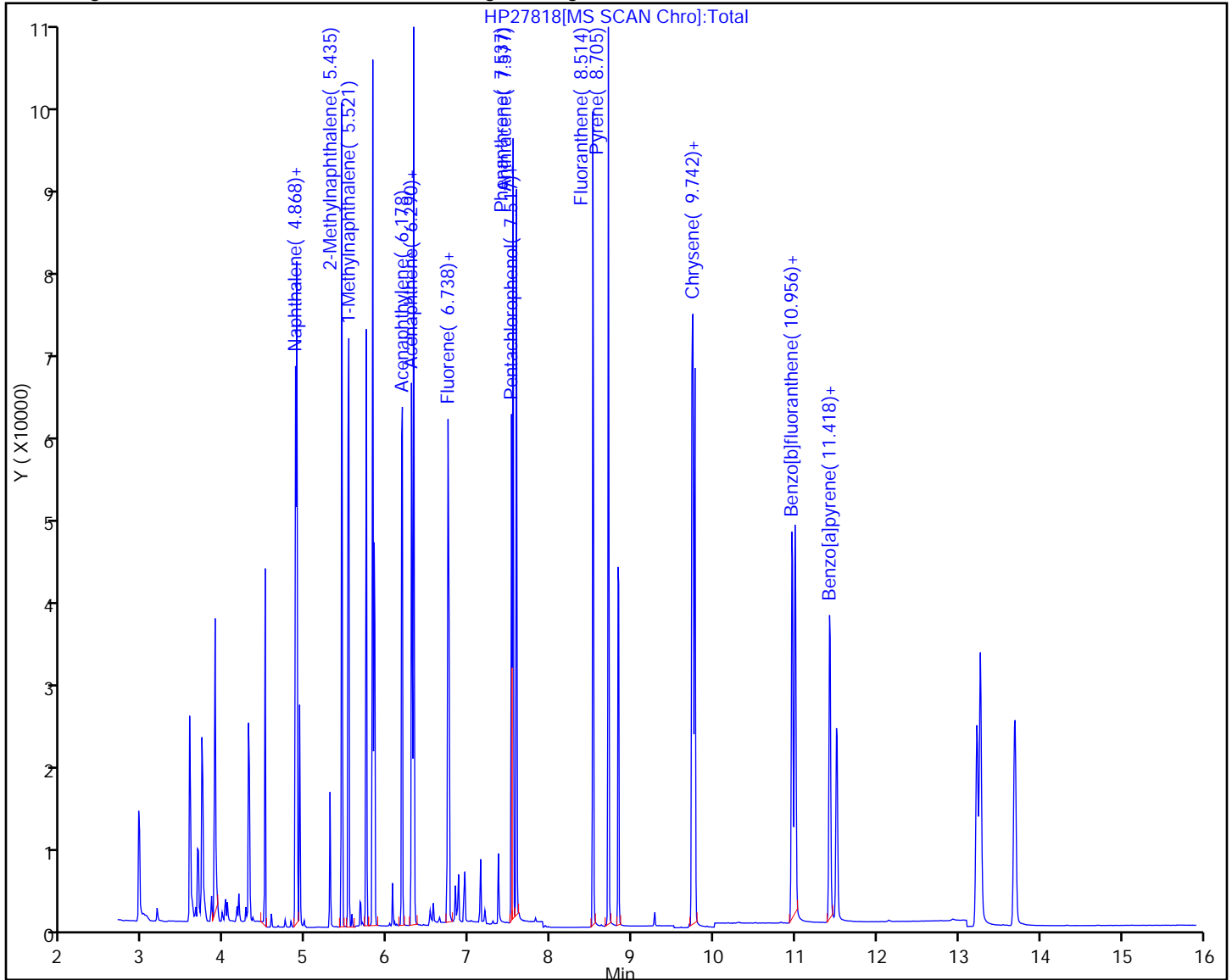
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.881	3.881	0.0	1	21949	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	50922	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	28309	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	43238	98.0	
* 5 Chrysene-d12	240	9.742	9.742	0.0	1	48113	98.1	
* 6 Perylene-d12	264	11.503	11.503	-0.001	1	36944	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	14915	88.9	M
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	41188	96.6	
\$ 51 2,4,6-Tribromophenol	330	6.945	6.945	-0.001	0	5252	84.0	M
\$ 12 Terphenyl-d14	244	8.823	8.823	0.0	1	42931	91.7	
26 Naphthalene	128	4.882	4.882	0.0	1	55164	96.5	
27 2-Methylnaphthalene	141	5.435	5.435	0.0	1	32106	96.2	
28 1-Methylnaphthalene	141	5.511	5.521	-0.010	1	31051	92.5	
31 Acenaphthylene	152	6.178	6.178	0.0	1	50006	94.9	
29 Acenaphthene	153	6.316	6.316	0.0	5	34434	96.8	
32 Fluorene	166	6.738	6.751	-0.013	1	35293	95.7	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	3570	71.8	M
37 Phenanthrene	178	7.537	7.537	0.0	1	52102	96.2	
38 Anthracene	178	7.577	7.577	0.0	1	49655	93.0	
42 Fluoranthene	202	8.514	8.514	0.0	1	56212	94.4	
41 Pyrene	202	8.705	8.705	0.0	39	58229	94.0	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	50582	93.6	
43 Chrysene	228	9.767	9.767	0.0	1	55272	98.6	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	48886	94.5	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	49615	94.7	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	41395	89.7	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	36404	87.1	
49 Dibenz(a,h)anthracene	278	13.267	13.267	0.0	1	40262	91.4	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	41853	91.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

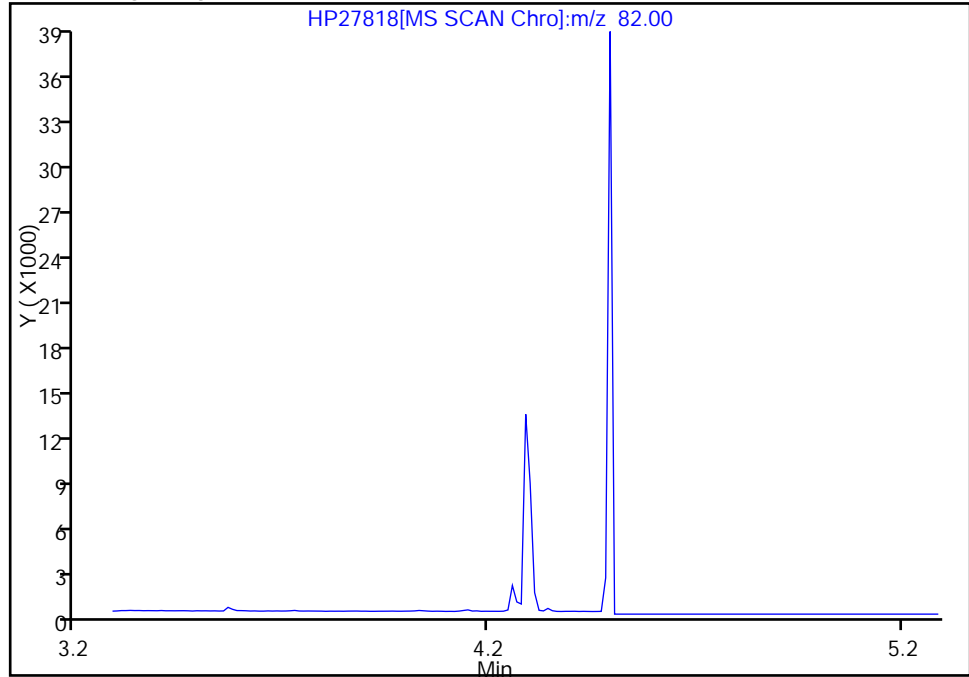


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27818.D
Injection Date: 26-Apr-2012 17:11:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 6
Operator ID: bat Injection Vol: 1.00 ul

\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

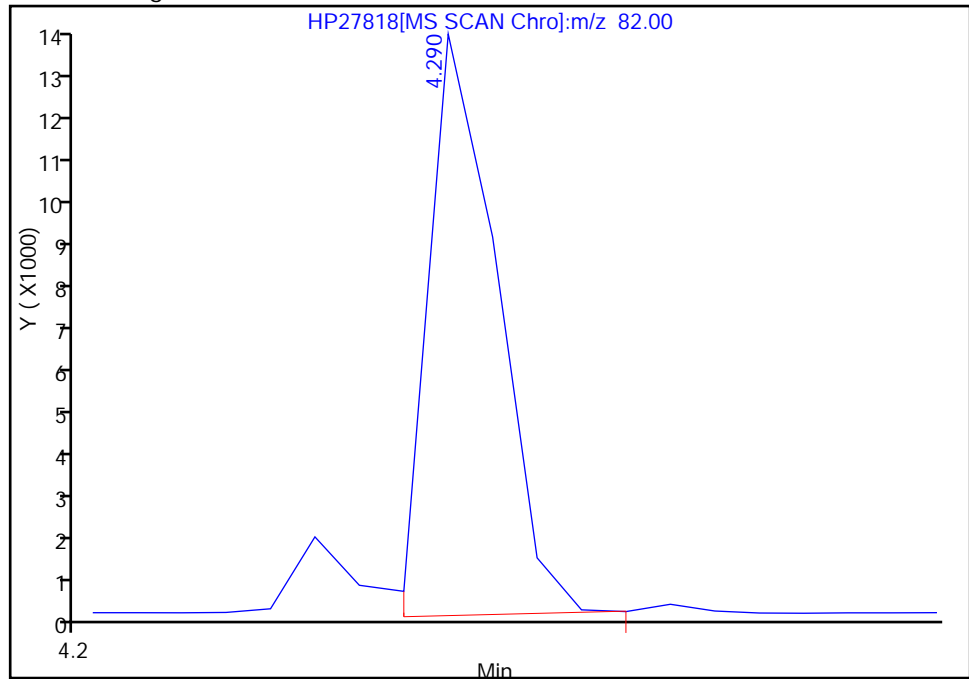
Not Detected
Expected RT: 4.29

Processing Integration Results



RT: 4.29
Response: 14915
Amount: 88.940460

Manual Integration Results



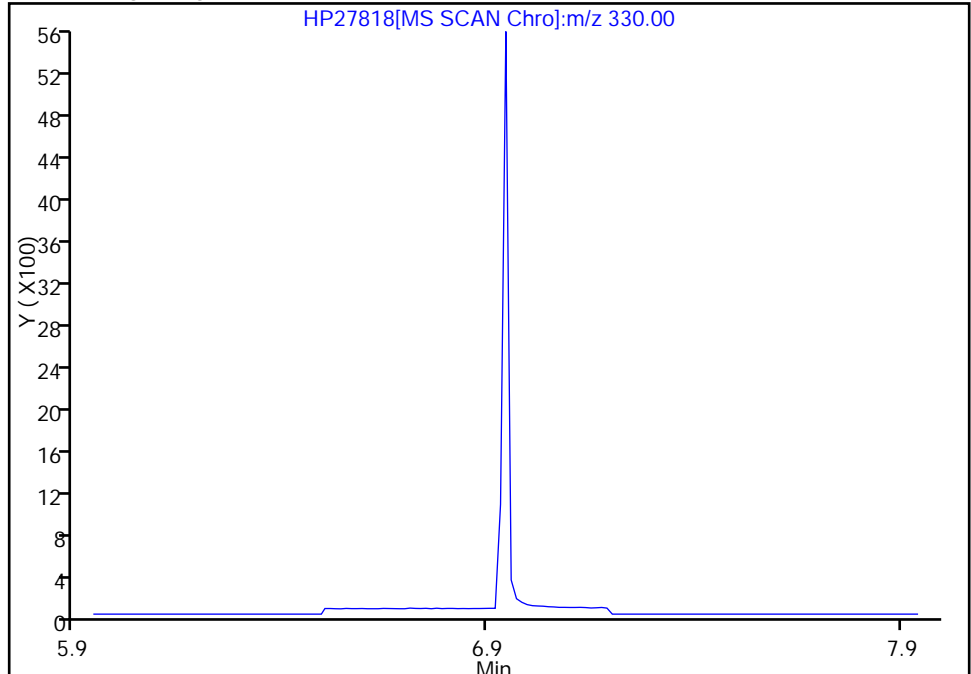
Reviewer: tadesseb, 26-Apr-2012 18:07:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27818.D
Injection Date: 26-Apr-2012 17:11:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 6
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.94

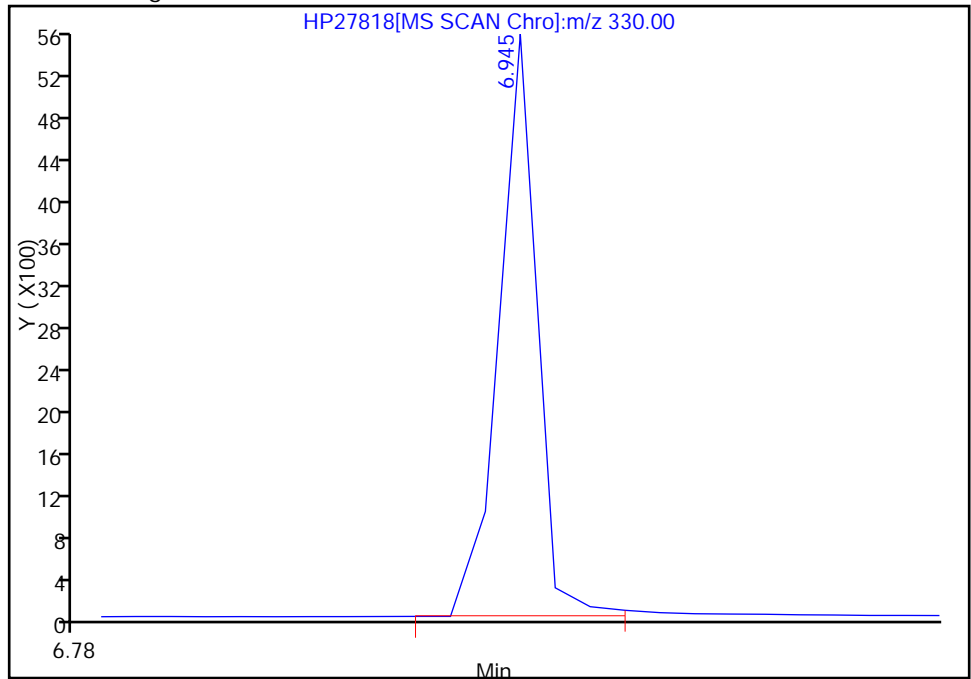
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 5252
Amount: 84.011604

Manual Integration Results



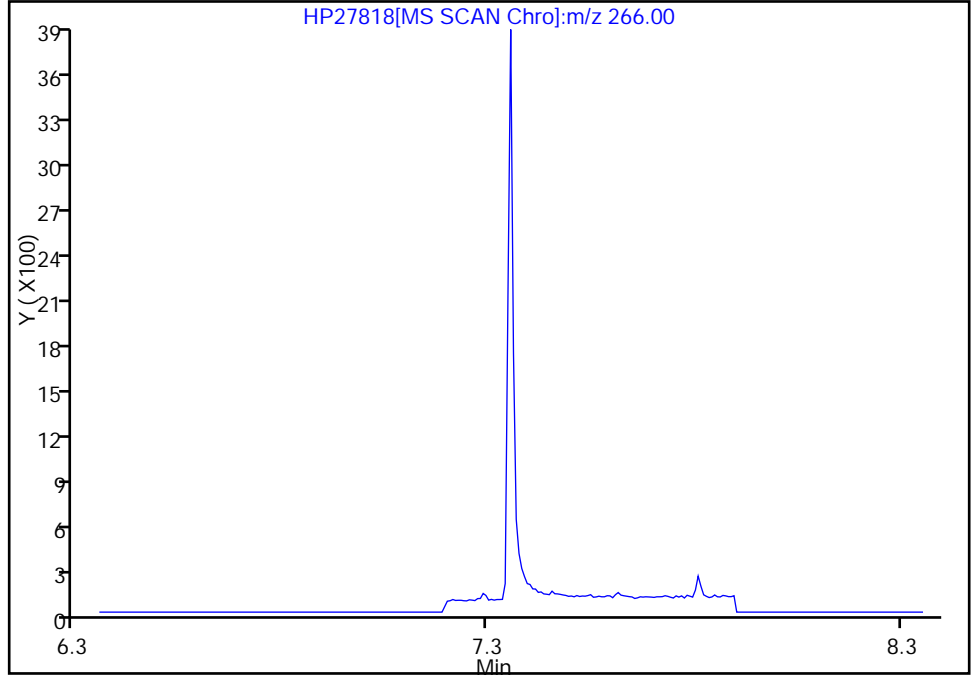
Reviewer: tadesseb, 26-Apr-2012 18:07:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27818.D
Injection Date: 26-Apr-2012 17:11:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 6
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

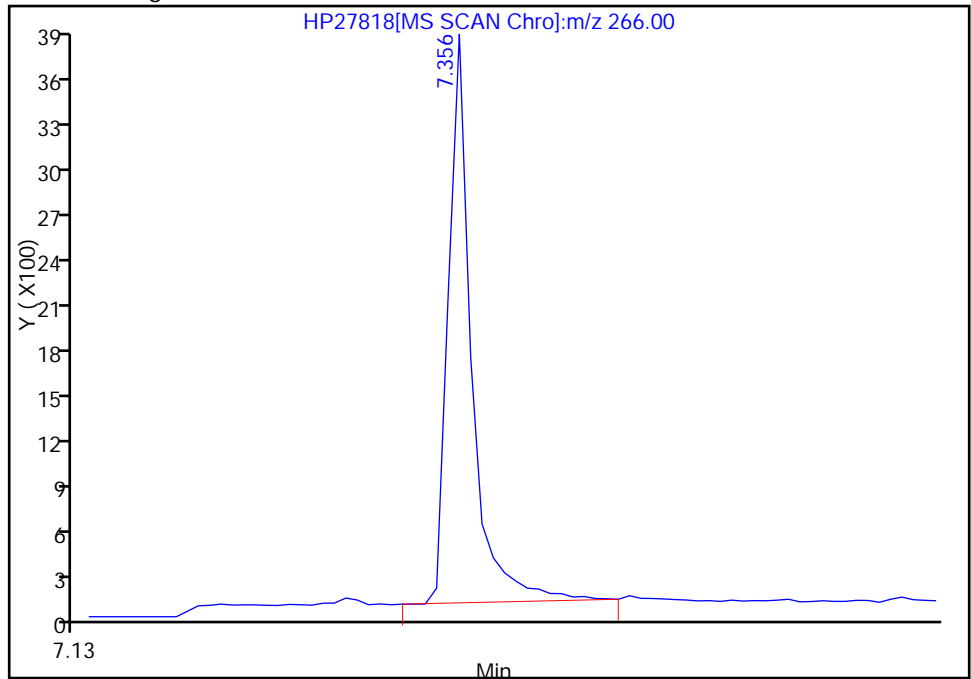
Not Detected
Expected RT: 7.36

Processing Integration Results



RT: 7.36
Response: 3570
Amount: 71.822668

Manual Integration Results



Reviewer: tadesseb, 02-May-2012 12:12:09
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
 Lims ID: icis std 500.0 ppb Client ID:
 Inject. Date: 26-Apr-2012 17:33:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 5
 Sample ID: icis std 500.0 pp
 Misc. Info.: 580-0022916-007 =580-0022916-007
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 110125 Lims Sample ID: 7
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 12:12:46 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:58:27

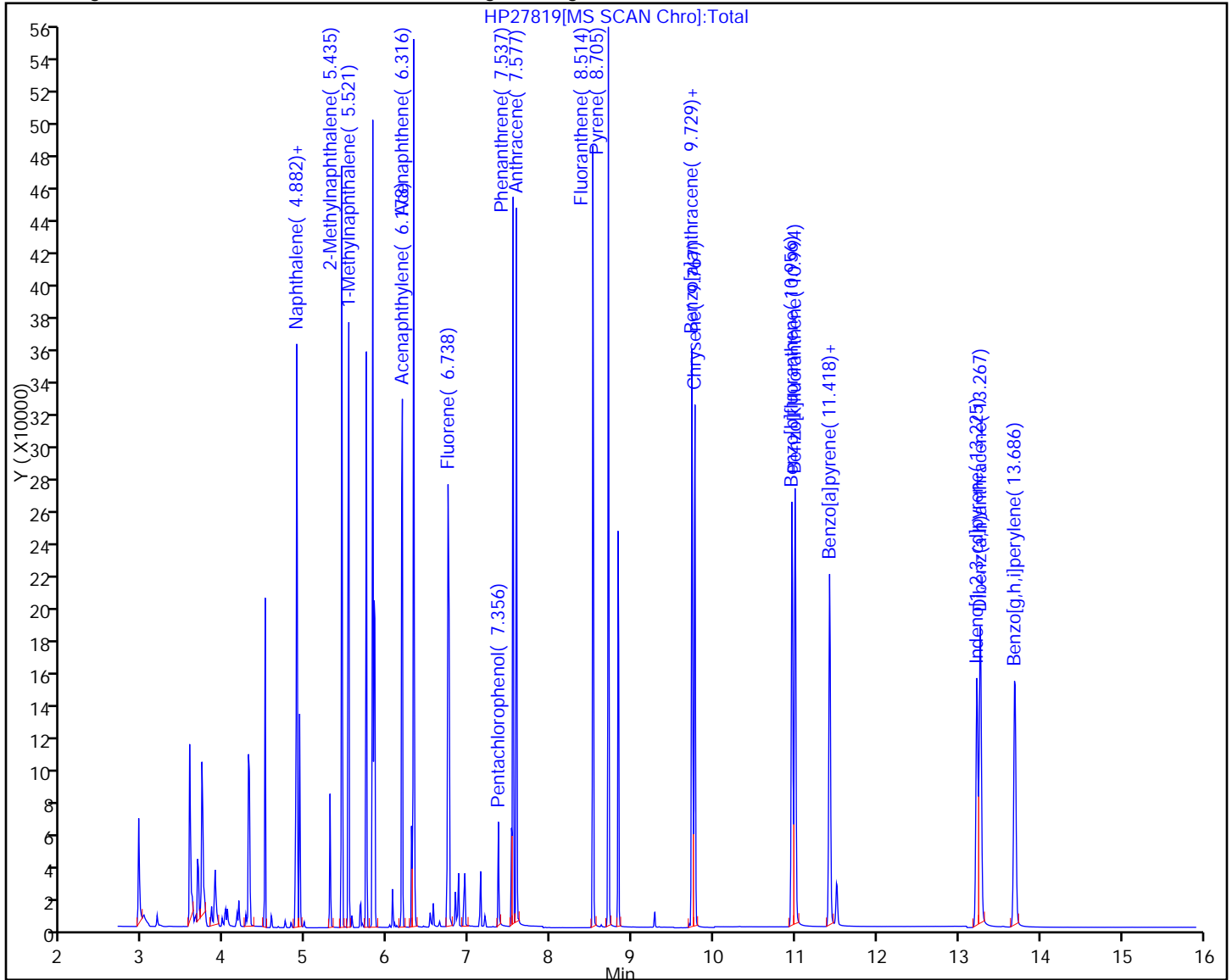
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.881	3.881	0.0	1	30839	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	49046	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27682	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	42366	98.0	
* 5 Chrysene-d12	240	9.742	9.742	0.0	1	50070	98.1	
* 6 Perylene-d12	264	11.503	11.503	0.0	1	38494	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	72453	448.6	M
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	190975	457.8	
\$ 51 2,4,6-Tribromophenol	330	6.945	6.945	0.0	0	28539	449.8	M
\$ 12 Terphenyl-d14	244	8.823	8.823	0.0	1	211211	460.7	
26 Naphthalene	128	4.882	4.882	0.0	1	257995	468.5	
27 2-Methylnaphthalene	141	5.435	5.435	0.0	1	149594	465.3	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	148418	458.8	
31 Acenaphthylene	152	6.178	6.178	0.0	1	242319	470.2	
29 Acenaphthene	153	6.316	6.316	0.0	5	163940	471.2	
32 Fluorene	166	6.751	6.751	0.0	1	171891	476.6	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	25147	459.1	M
37 Phenanthrene	178	7.537	7.537	0.0	1	247239	465.7	
38 Anthracene	178	7.577	7.577	0.0	1	243260	464.8	
42 Fluoranthene	202	8.514	8.514	0.0	1	274832	471.3	
41 Pyrene	202	8.705	8.705	0.0	39	282760	466.0	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	267204	475.2	
43 Chrysene	228	9.767	9.767	0.0	1	270938	464.3	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	258574	479.9	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	260959	478.2	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	231380	481.3	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	216495	496.9	
49 Dibenz(a,h)anthracene	278	13.267	13.267	0.0	1	232333	506.2	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	235538	494.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

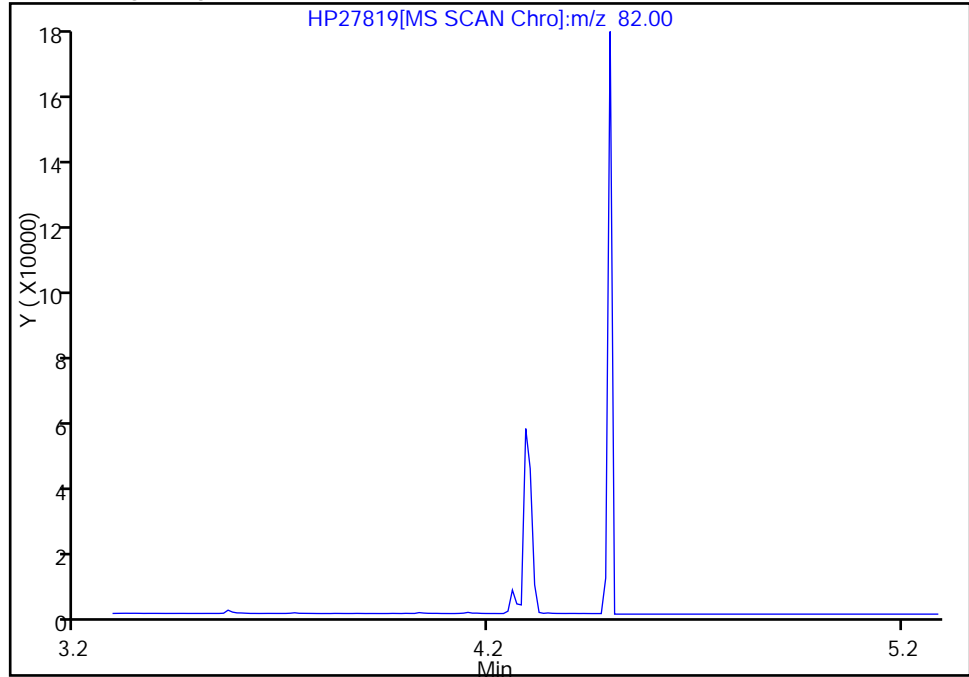


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

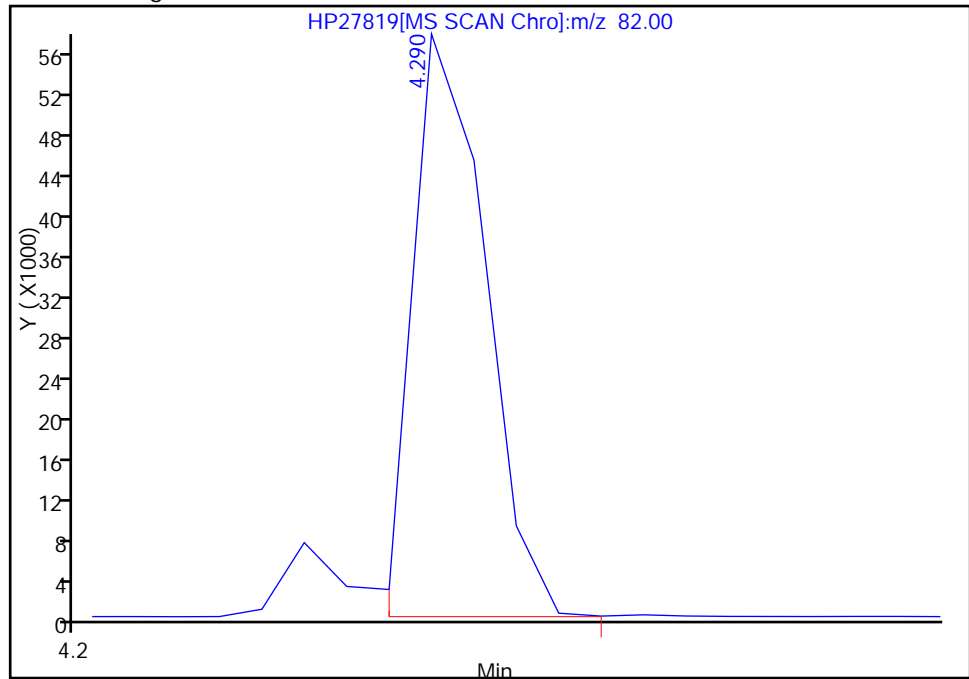
Not Detected
Expected RT: 4.29

Processing Integration Results



RT: 4.29
Response: 72453
Amount: 448.5743

Manual Integration Results



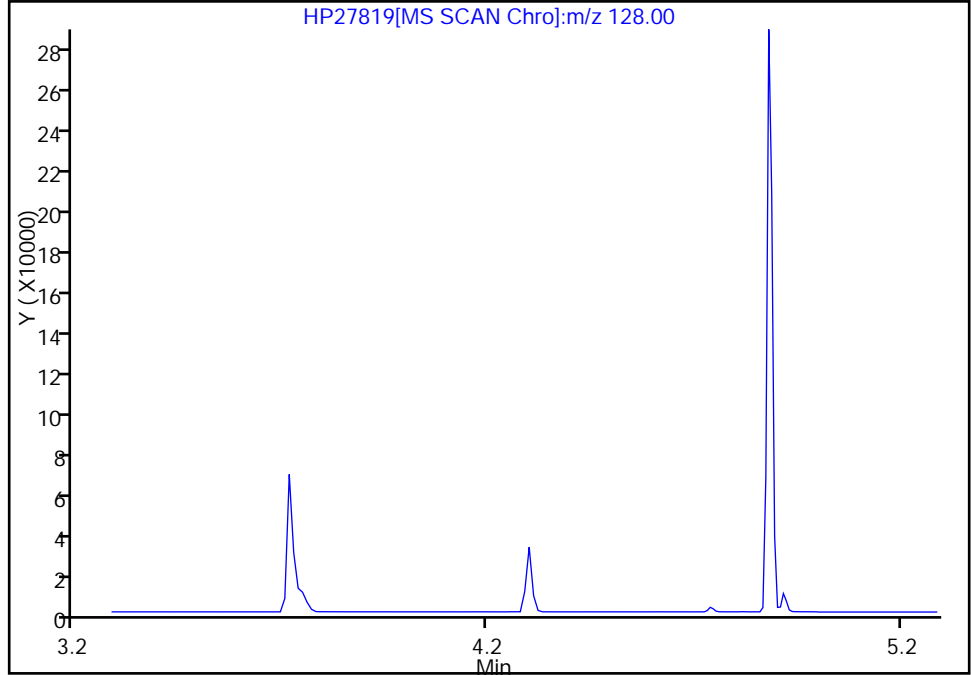
Reviewer: tadesseb, 26-Apr-2012 18:06:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

\$ 9 Nitrobenzene-d5, Signal: 2, m/z: 128.0 Type: qualifier, RT: 4.29

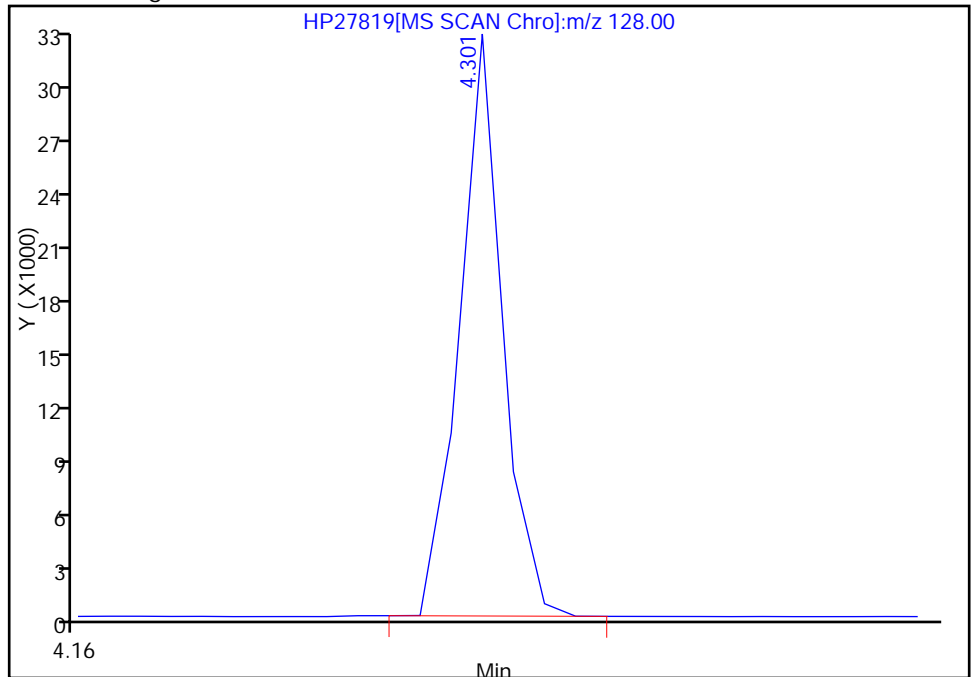
Processing Integration Results

Not Detected
Expected RT: 4.29



Manual Integration Results

RT: 4.30
Response: 32919
Amount: 0



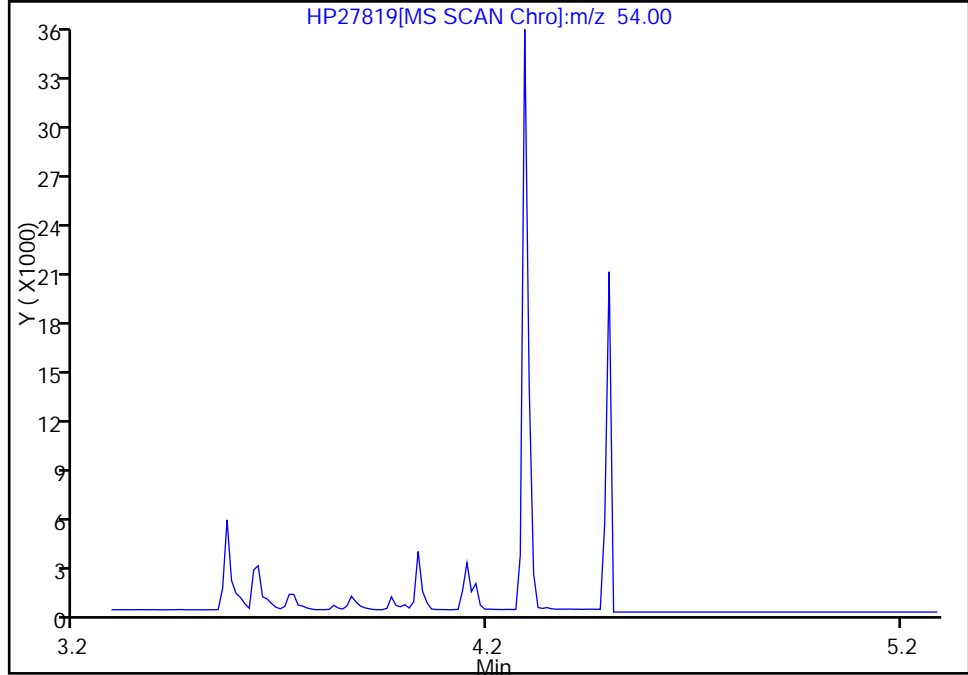
Reviewer: tadesseb, 27-Apr-2012 14:56:32
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

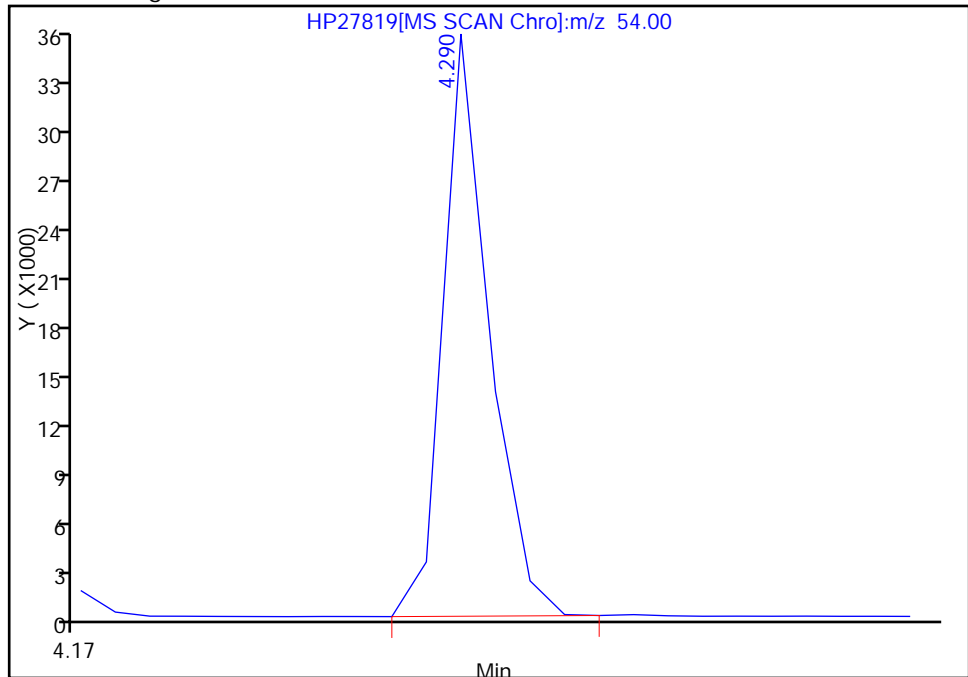
\$ 9 Nitrobenzene-d5, Signal: 3, m/z: 54.0 Type: qualifier, RT: 4.29

Not Detected
Expected RT: 4.29

Processing Integration Results



Manual Integration Results



RT: 4.29
Response: 35214
Amount: 0

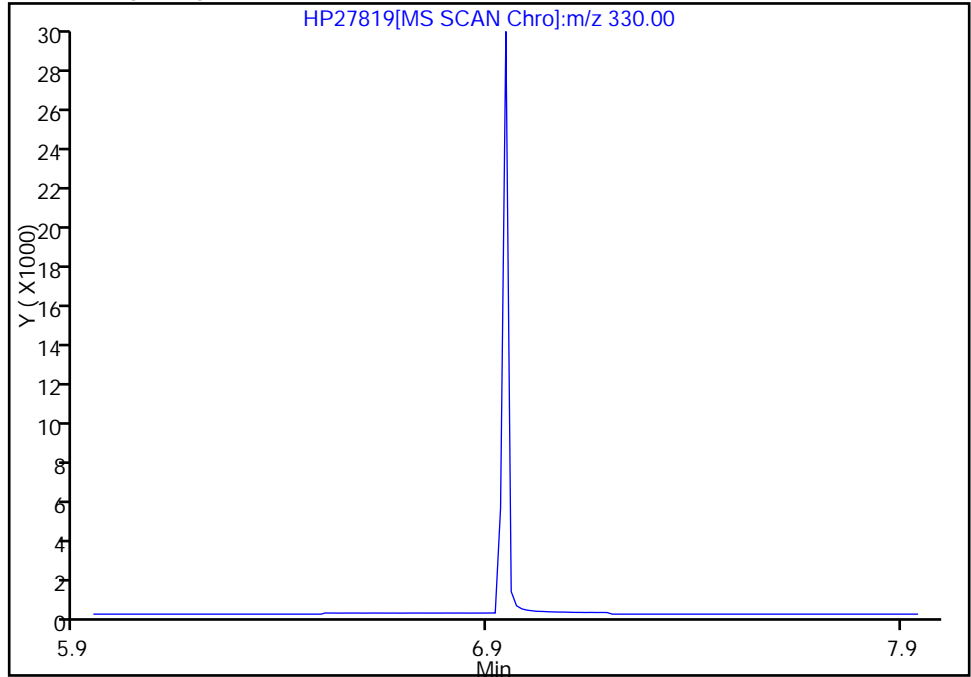
Reviewer: tadesseb, 27-Apr-2012 14:56:32
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.94

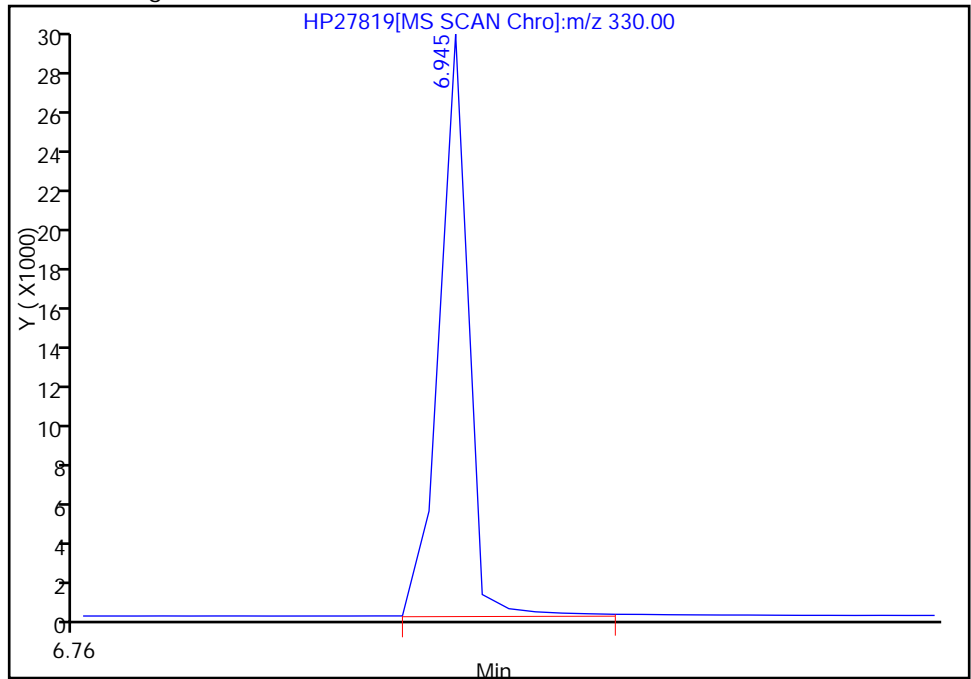
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 28539
Amount: 449.7762

Manual Integration Results



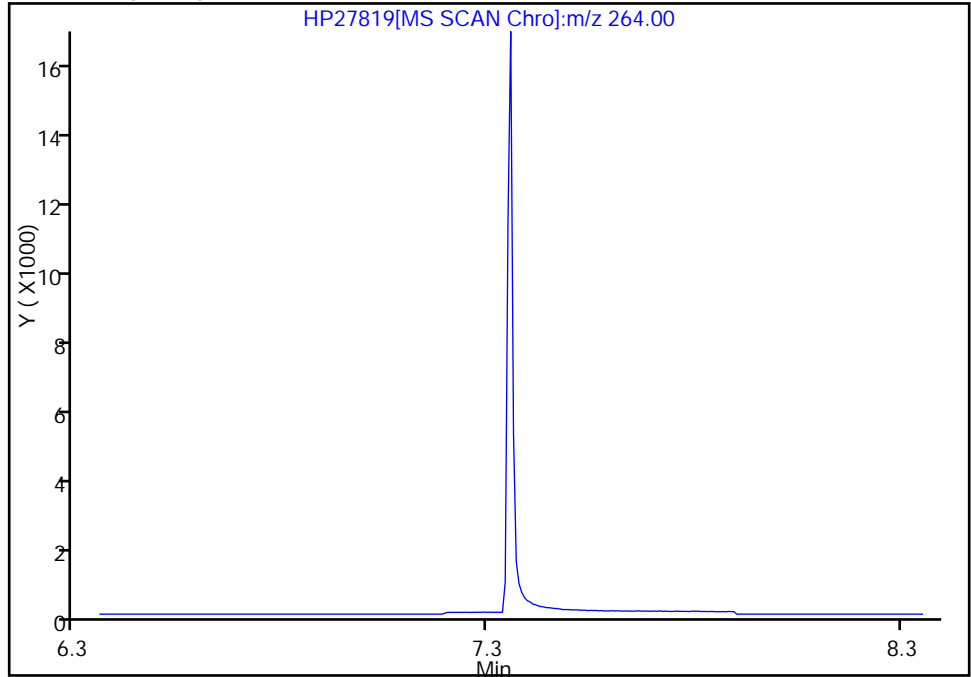
Reviewer: tadesseb, 26-Apr-2012 18:06:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 2, m/z: 264.0 Type: qualifier, RT: 7.36

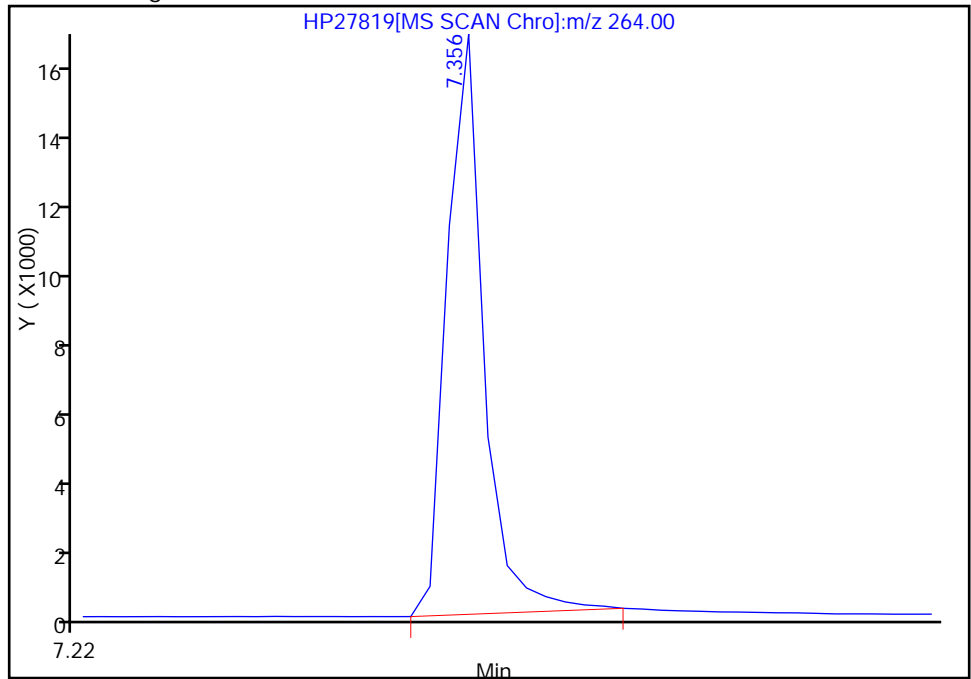
Not Detected
Expected RT: 7.36

Processing Integration Results



RT: 7.36
Response: 14751
Amount: 0

Manual Integration Results



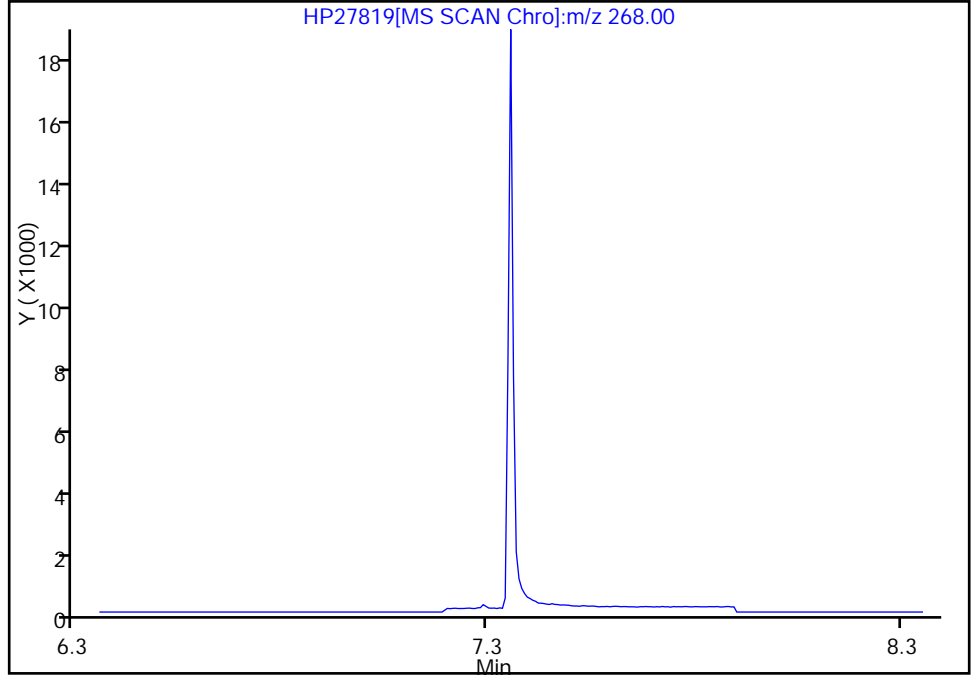
Reviewer: tadesseb, 27-Apr-2012 14:56:32
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 3, m/z: 268.0 Type: qualifier, RT: 7.36

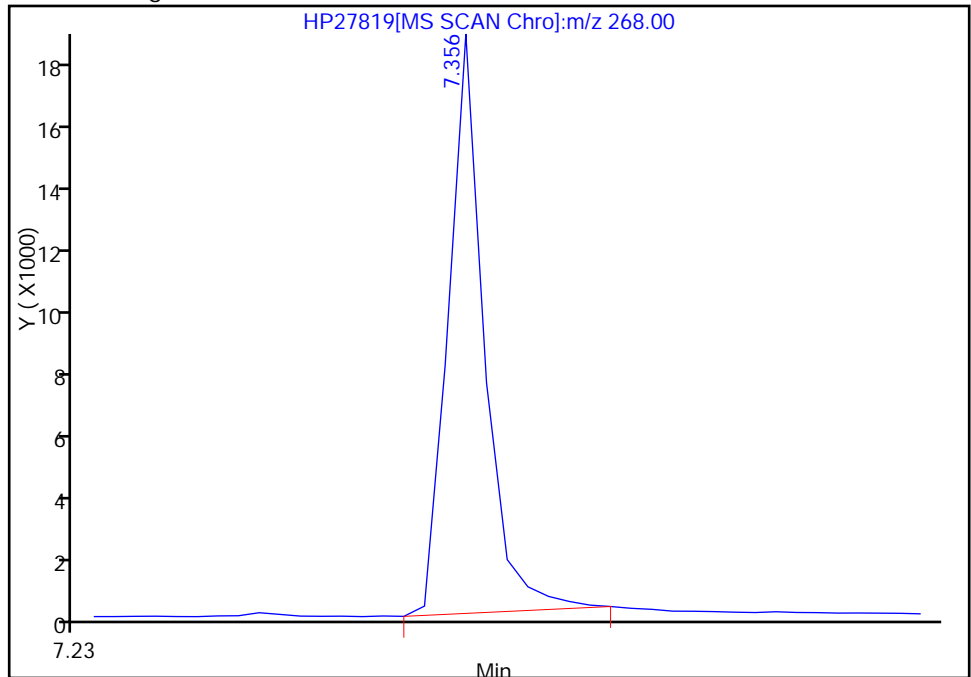
Not Detected
Expected RT: 7.36

Processing Integration Results



RT: 7.36
Response: 15042
Amount: 0

Manual Integration Results



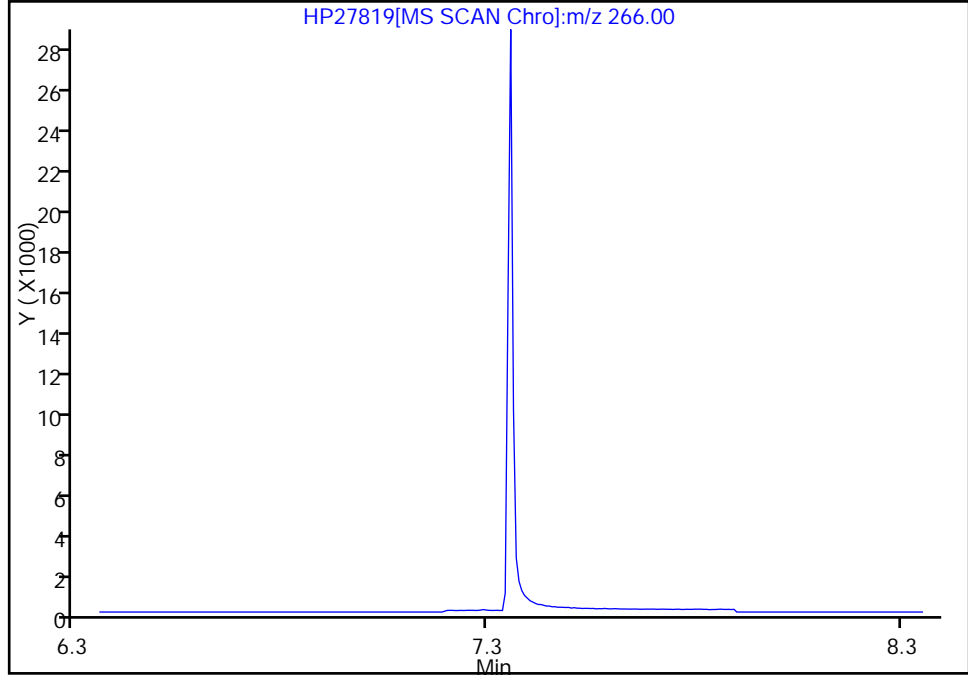
Reviewer: tadesseb, 27-Apr-2012 14:56:32
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

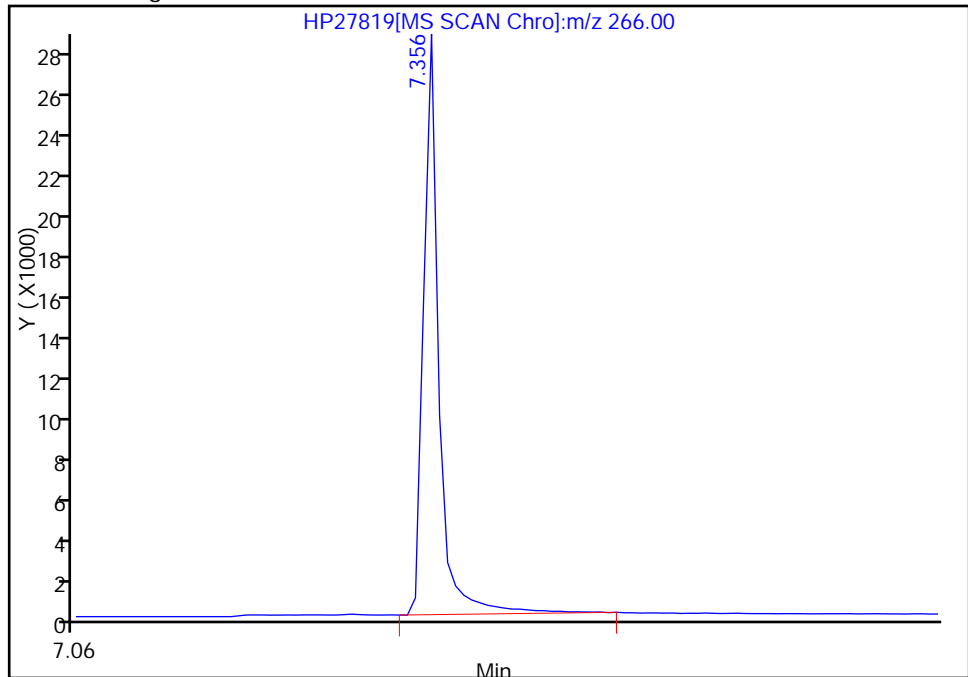
Not Detected
Expected RT: 7.36

Processing Integration Results



RT: 7.36
Response: 25147
Amount: 459.1316

Manual Integration Results



Reviewer: tadesseb, 02-May-2012 12:12:46
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27820.D
 Lims ID: ic std 1000 ppb Client ID:
 Inject. Date: 26-Apr-2012 17:55:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: bic std 1000 ppb
 Misc. Info.: 580-0022916-008 =580-0022916-008
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 110125 Lims Sample ID: 8
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:58:42 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:58:42

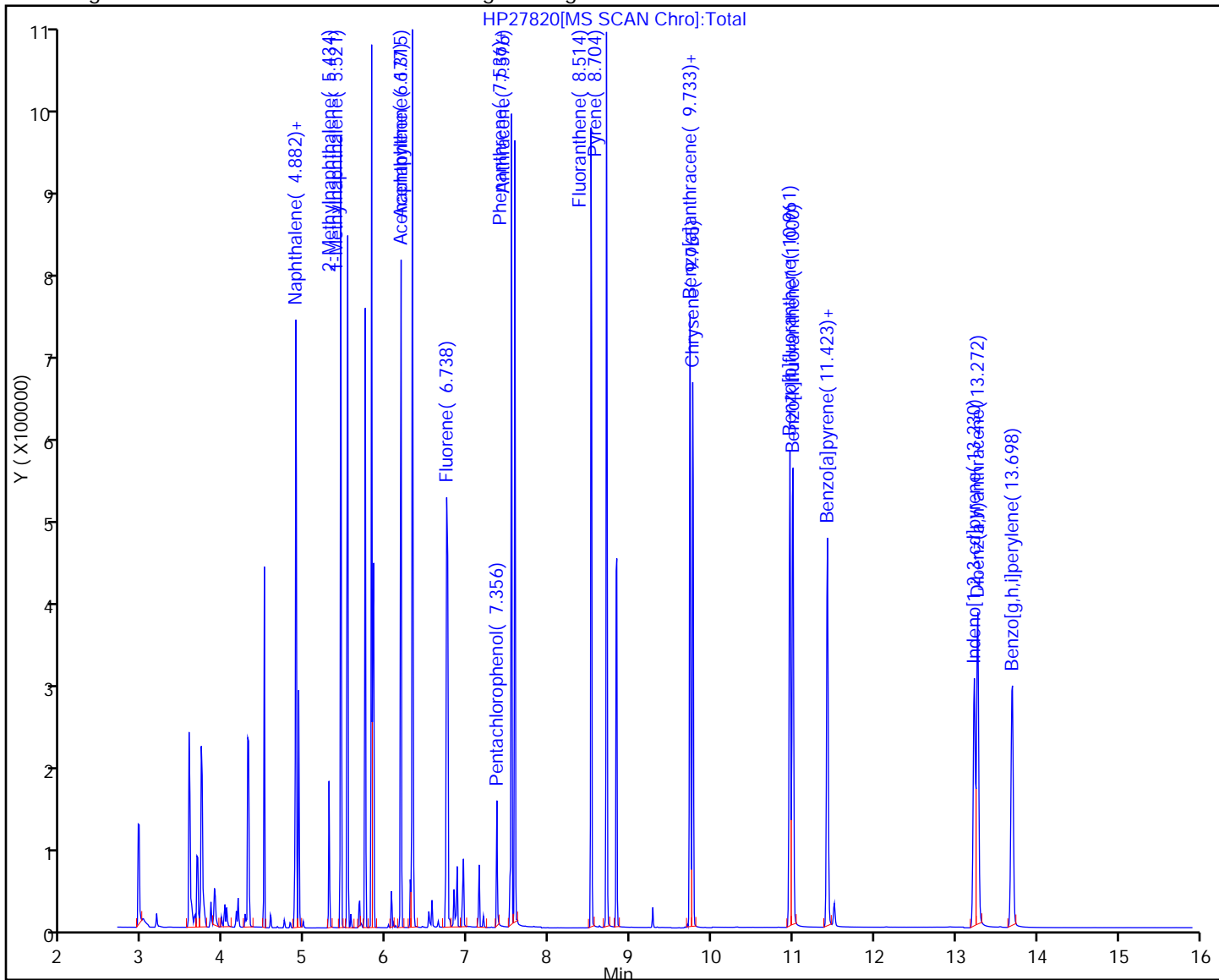
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.891	3.881	0.010	1	42417	95.6	
* 2 Naphthalene-d8	136	4.867	4.868	-0.001	1	48871	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27787	98.0	
* 4 Phenanthrene-d10	188	7.516	7.517	-0.001	1	41961	98.0	
* 5 Chrysene-d12	240	9.746	9.742	0.004	1	49775	98.1	
* 6 Perylene-d12	264	11.508	11.503	0.005	1	38679	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	155476	966.0	M
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	388074	926.8	
\$ 51 2,4,6-Tribromophenol	330	6.944	6.945	-0.001	0	65796	996.0	M
\$ 12 Terphenyl-d14	244	8.831	8.823	0.008	1	431031	949.2	
26 Naphthalene	128	4.882	4.882	0.0	1	526496	959.5	
27 2-Methylnaphthalene	141	5.434	5.435	-0.001	1	304972	952.0	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	301833	936.5	
31 Acenaphthylene	152	6.177	6.178	-0.001	1	515994	997.5	
29 Acenaphthene	153	6.315	6.316	-0.001	6	334188	956.9	
32 Fluorene	166	6.751	6.751	0.0	1	346324	956.6	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	56922	981.3	M
37 Phenanthrene	178	7.536	7.537	-0.001	1	503131	956.8	
38 Anthracene	178	7.576	7.577	-0.001	1	507513	979.2	
42 Fluoranthene	202	8.514	8.514	0.0	1	568358	984.0	
41 Pyrene	202	8.704	8.705	-0.001	39	592192	985.3	
44 Benzo[a]anthracene	228	9.733	9.729	0.004	1	566855	1014.2	
43 Chrysene	228	9.765	9.767	-0.002	1	545769	940.8	
45 Benzo[b]fluoranthene	252	10.961	10.956	0.005	1	510819	943.6	
46 Benzo[k]fluoranthene	252	11.000	10.994	0.006	1	559002	1019.5	
47 Benzo[a]pyrene	252	11.423	11.418	0.005	1	489634	1013.5	
50 Indeno[1,2,3-cd]pyrene	276	13.230	13.225	0.005	1	431662	986.0	
49 Dibenz(a,h)anthracene	278	13.272	13.267	0.005	1	451123	978.2	
51 Benzo[g,h,i]perylene	276	13.698	13.693	0.005	1	453172	946.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

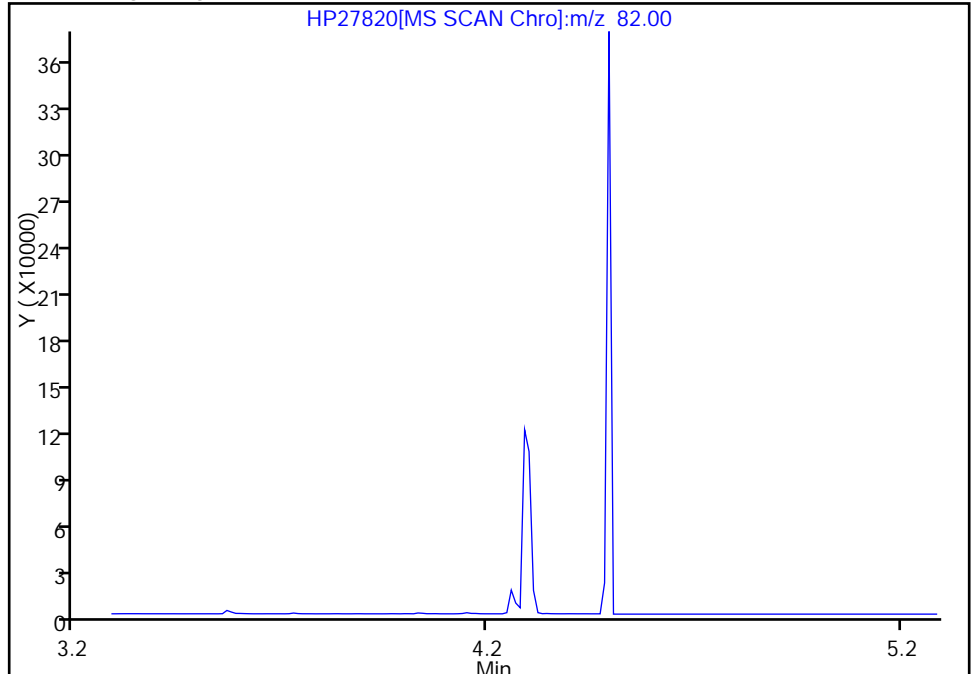


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27820.D
Injection Date: 26-Apr-2012 17:55:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 8
Operator ID: bat Injection Vol: 1.00 ul

\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

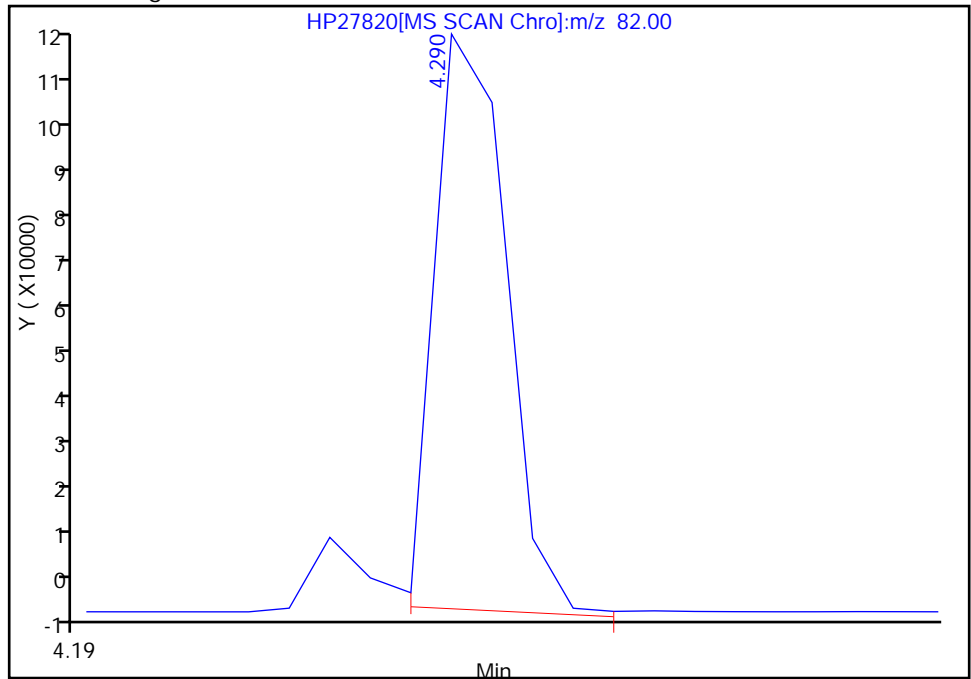
Not Detected
Expected RT: 4.29

Processing Integration Results



RT: 4.29
Response: 155476
Amount: 966.0369

Manual Integration Results



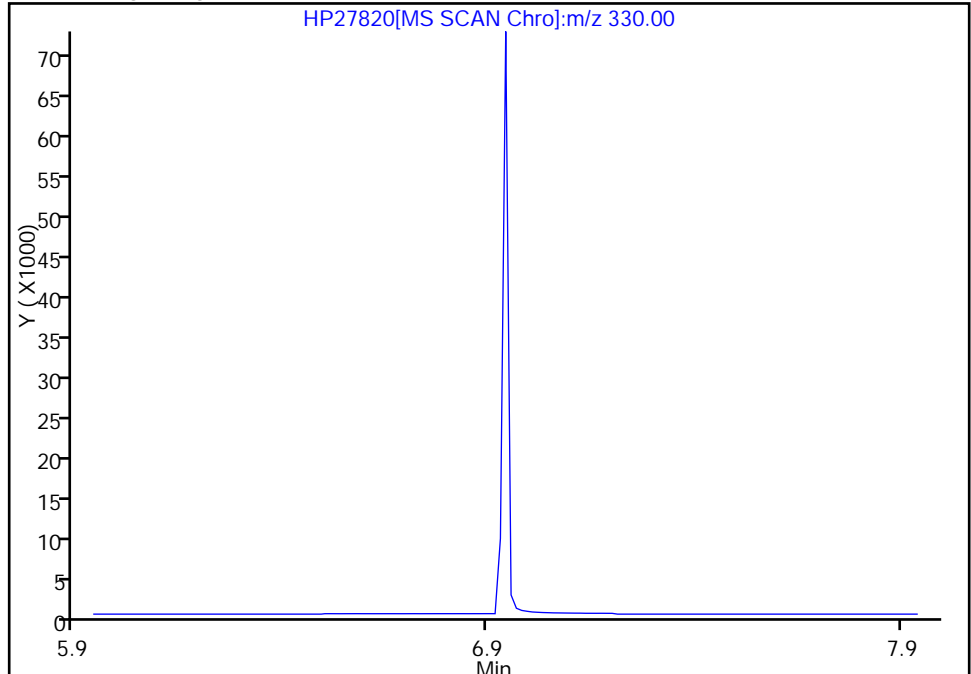
Reviewer: tadesseb, 26-Apr-2012 18:15:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27820.D
Injection Date: 26-Apr-2012 17:55:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 8
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.94

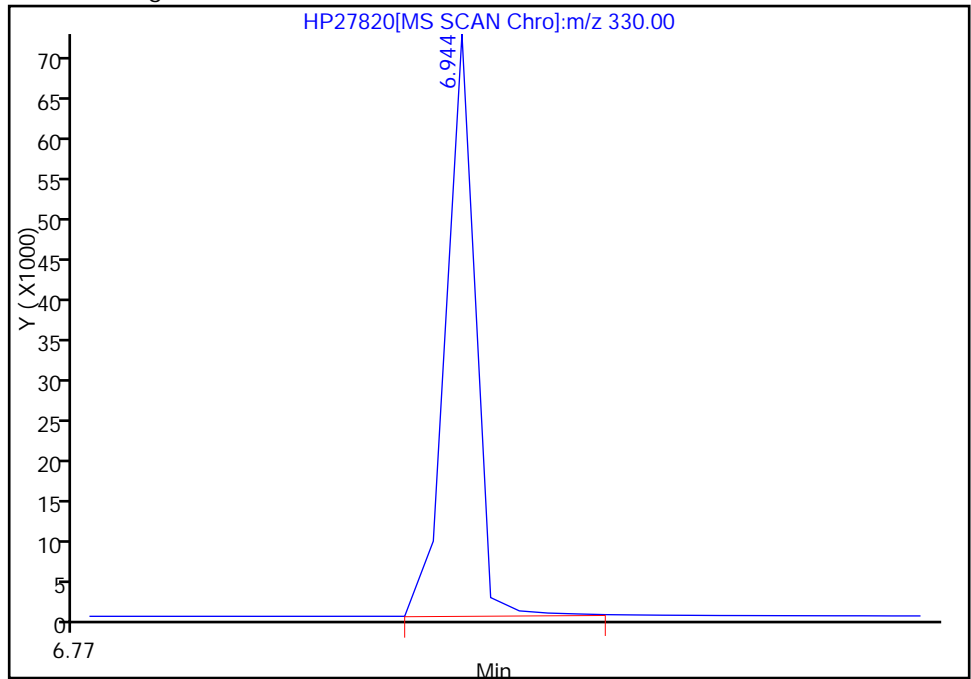
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 65796
Amount: 995.9877

Manual Integration Results



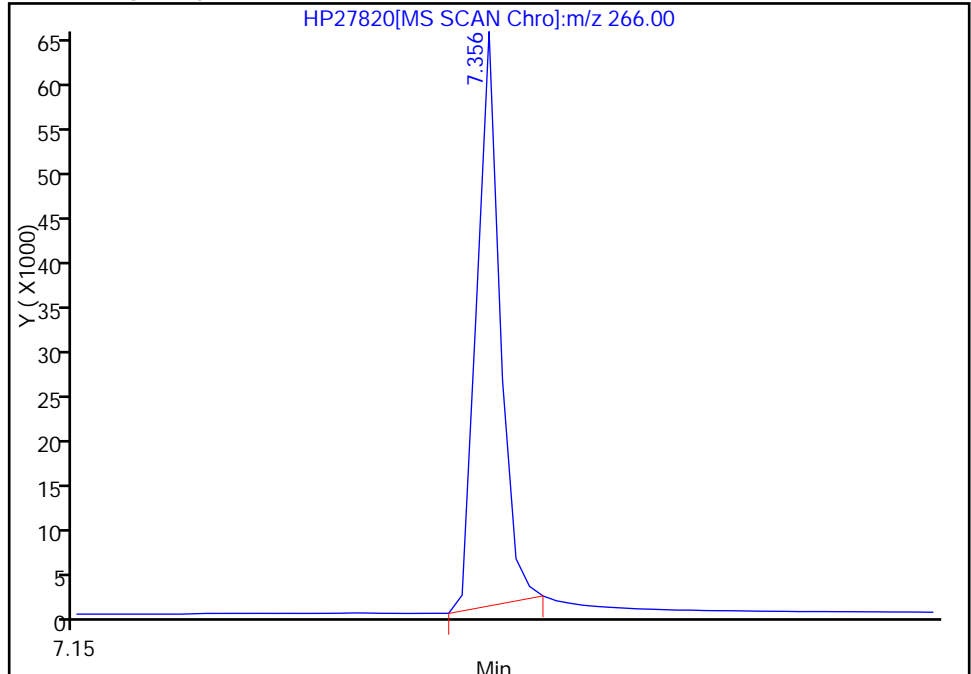
Reviewer: tadesseb, 26-Apr-2012 18:15:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27820.D
Injection Date: 26-Apr-2012 17:55:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 8
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

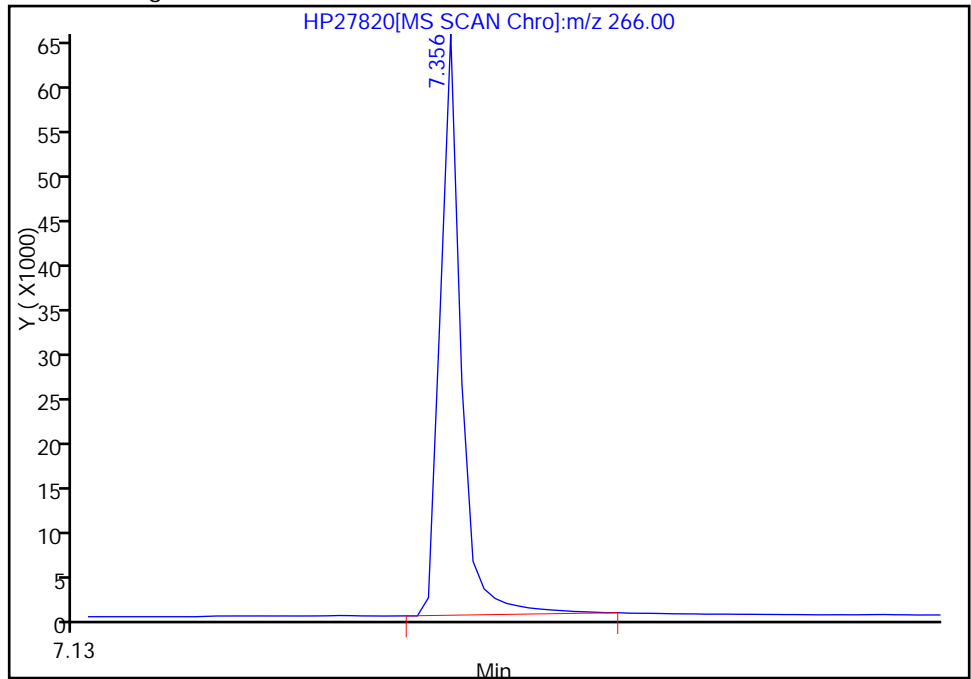
RT: 7.36
Response: 52194
Amount: 999.2435

Processing Integration Results



RT: 7.36
Response: 56922
Amount: 981.2682

Manual Integration Results



Reviewer: tadesseb, 26-Apr-2012 18:15:27
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27821.D
 Lims ID: ic std 2000 ppb Client ID:
 Inject. Date: 26-Apr-2012 18:16:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 7
 Sample ID: ic std 2000 ppb
 Misc. Info.: 580-0022916-009 =580-0022916-009
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 110125 Lims Sample ID: 9
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:58:58 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:58:58

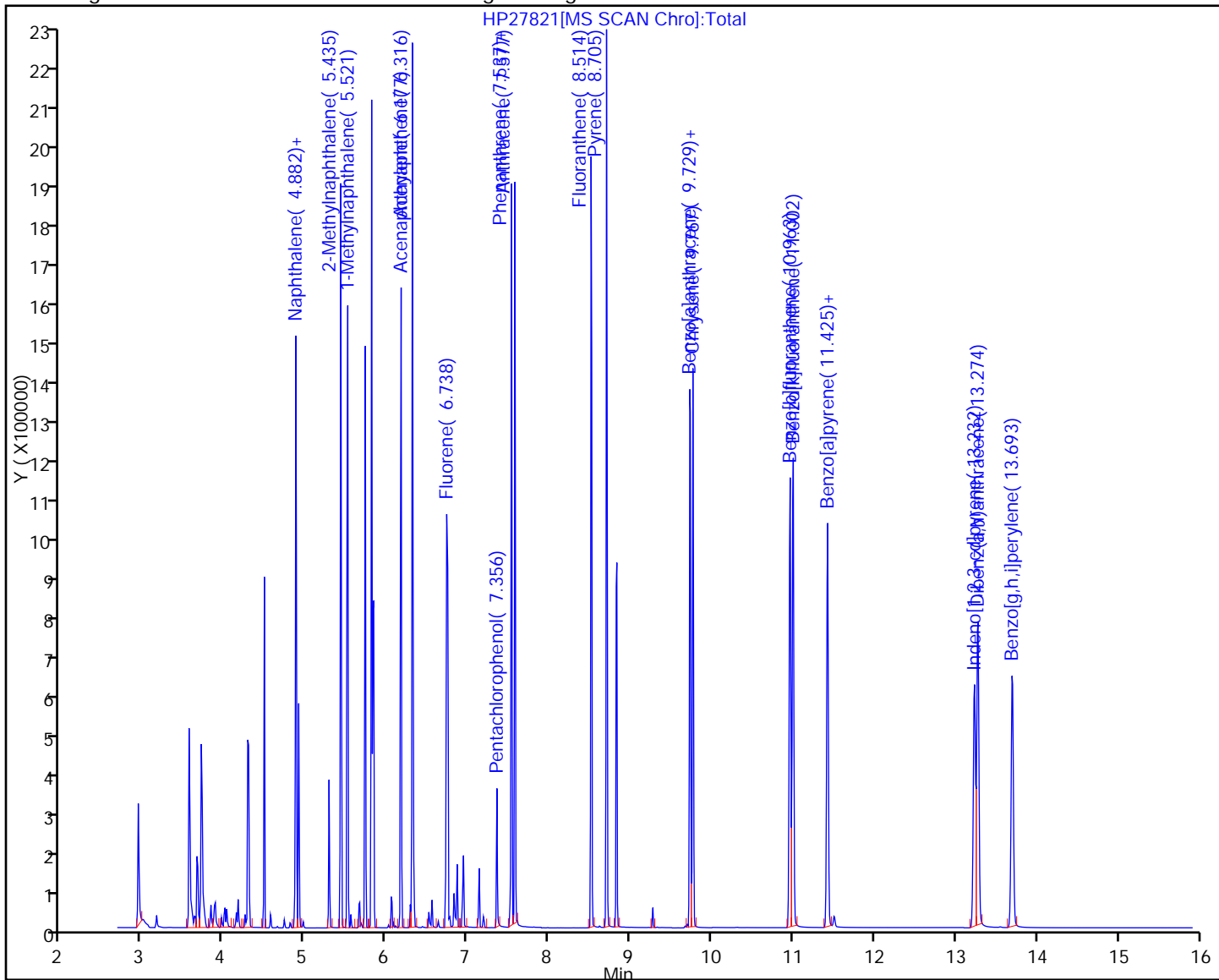
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.892	3.881	0.011	1	67151	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	48788	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27715	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	41155	98.0	
* 5 Chrysene-d12	240	9.748	9.742	0.006	1	50911	98.1	
* 6 Perylene-d12	264	11.502	11.503	-0.001	1	38940	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	322573	2007.7	M
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	798866	1912.8	
\$ 51 2,4,6-Tribromophenol	330	6.944	6.945	-0.001	0	142900	2034.7	
\$ 12 Terphenyl-d14	244	8.831	8.823	0.008	1	901504	2024.0	
26 Naphthalene	128	4.882	4.882	0.0	1	1072090	1957.2	
27 2-Methylnaphthalene	141	5.435	5.435	0.0	1	622591	1946.8	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	618740	1923.0	
31 Acenaphthylene	152	6.177	6.178	-0.001	1	1067745	2069.4	
29 Acenaphthene	153	6.316	6.316	0.0	5	685674	1968.5	
32 Fluorene	166	6.751	6.751	0.0	1	693578	1920.8	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	131497	2098.5	M
37 Phenanthrene	178	7.537	7.537	0.0	1	1016537	1971.0	
38 Anthracene	178	7.577	7.577	0.0	1	1047978	2061.5	
42 Fluoranthene	202	8.514	8.514	0.0	1	1190504	2101.5	
41 Pyrene	202	8.705	8.705	0.0	39	1237813	2099.9	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	1174411	2054.3	
43 Chrysene	228	9.767	9.767	0.0	1	1153508	1944.0	
45 Benzo[b]fluoranthene	252	10.963	10.956	0.007	1	1104980	2027.4	
46 Benzo[k]fluoranthene	252	11.002	10.994	0.008	1	1184758	2146.3	
47 Benzo[a]pyrene	252	11.425	11.418	0.007	1	1057001	2173.3	
50 Indeno[1,2,3-cd]pyrene	276	13.232	13.225	0.007	1	948921	2153.0	M
49 Dibenz(a,h)anthracene	278	13.274	13.267	0.007	1	973945	2097.7	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	974794	2022.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

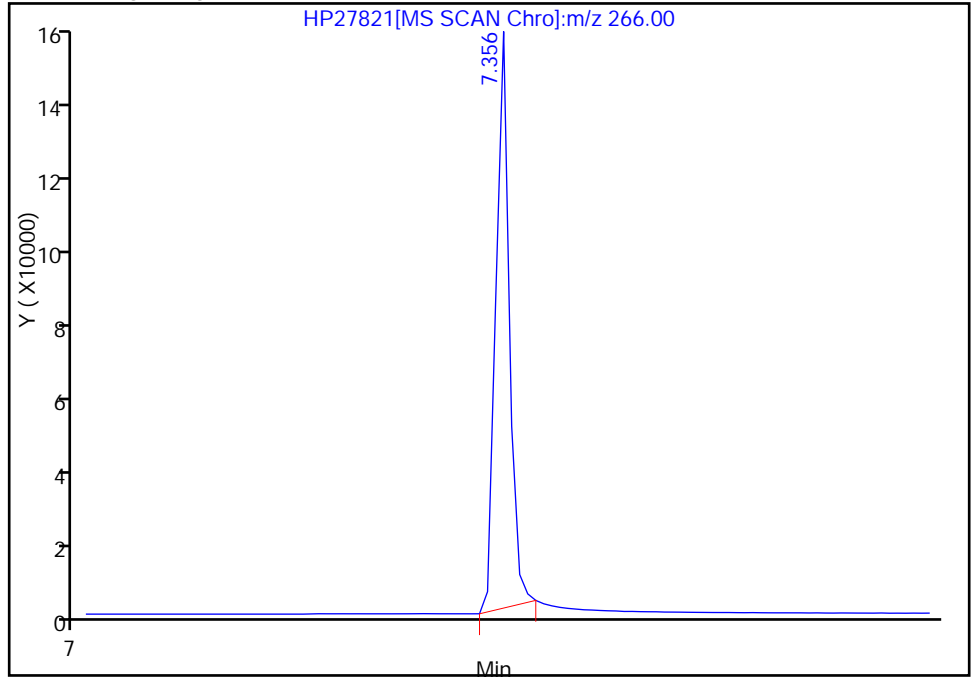


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27821.D
Injection Date: 26-Apr-2012 18:16:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 9
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

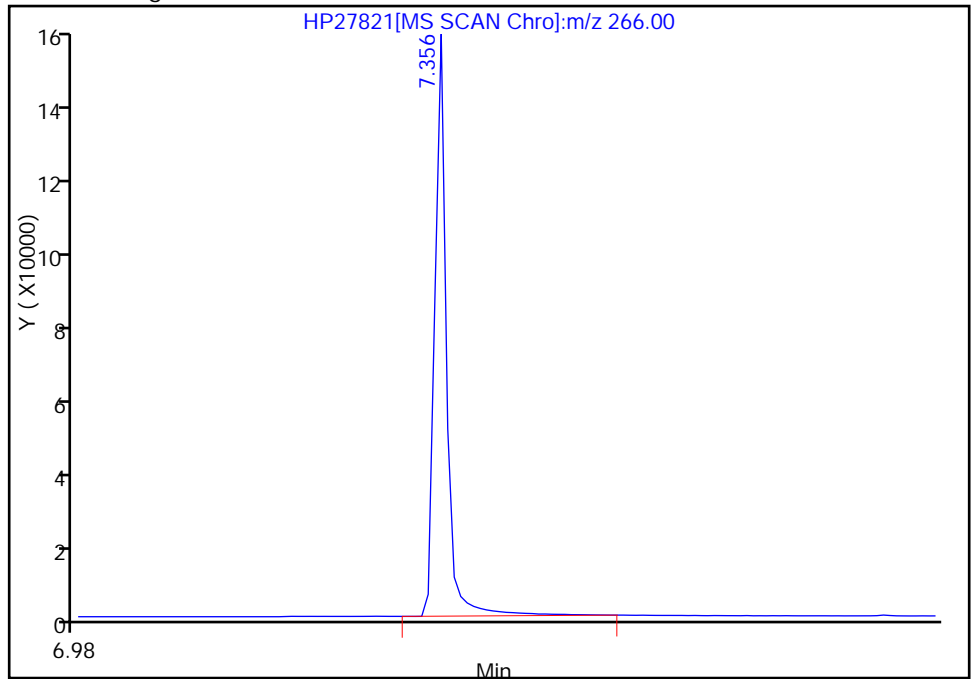
RT: 7.36
Response: 120123
Amount: 2022.2494

Processing Integration Results



RT: 7.36
Response: 131497
Amount: 2098.5122

Manual Integration Results



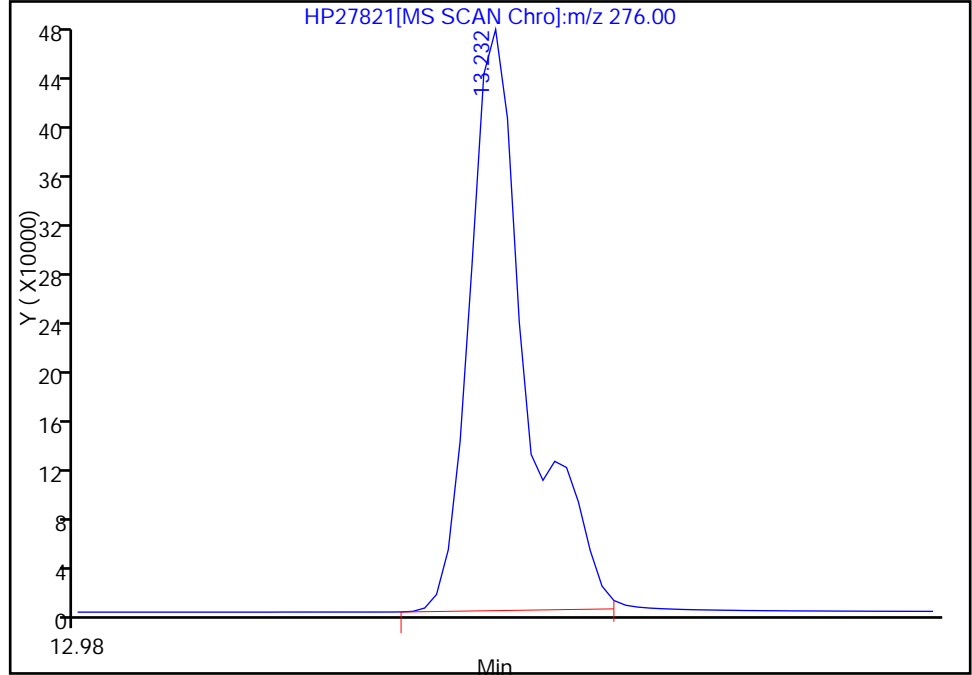
Reviewer: tadesseb, 27-Apr-2012 10:19:47
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27821.D
Injection Date: 26-Apr-2012 18:16:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 9
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.22

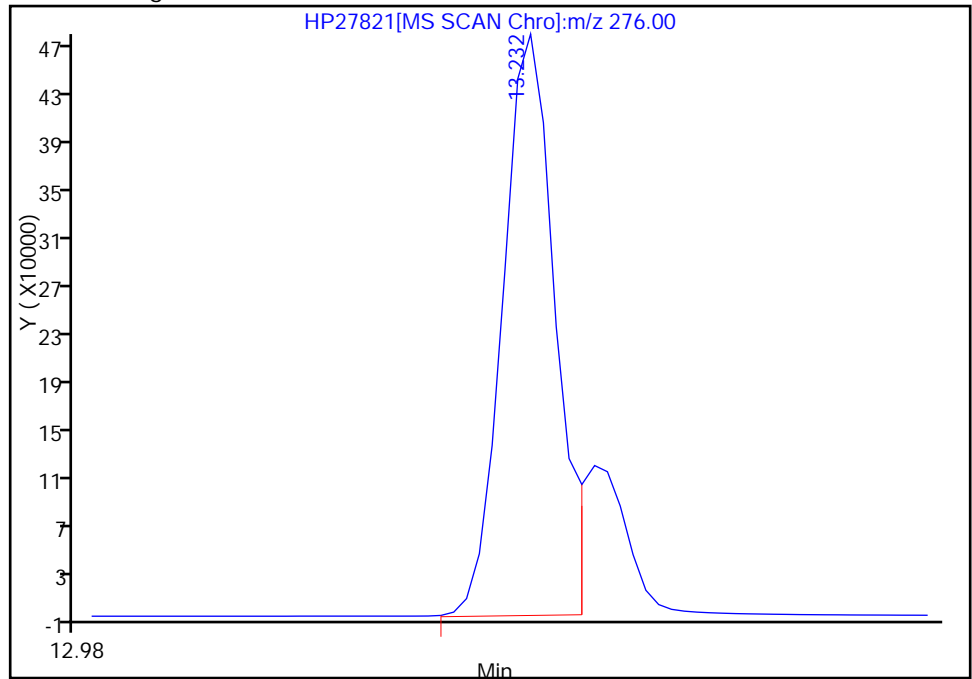
RT: 13.23
Response: 1137088
Amount: 2512.8959

Processing Integration Results



RT: 13.23
Response: 948921
Amount: 2153.0147

Manual Integration Results



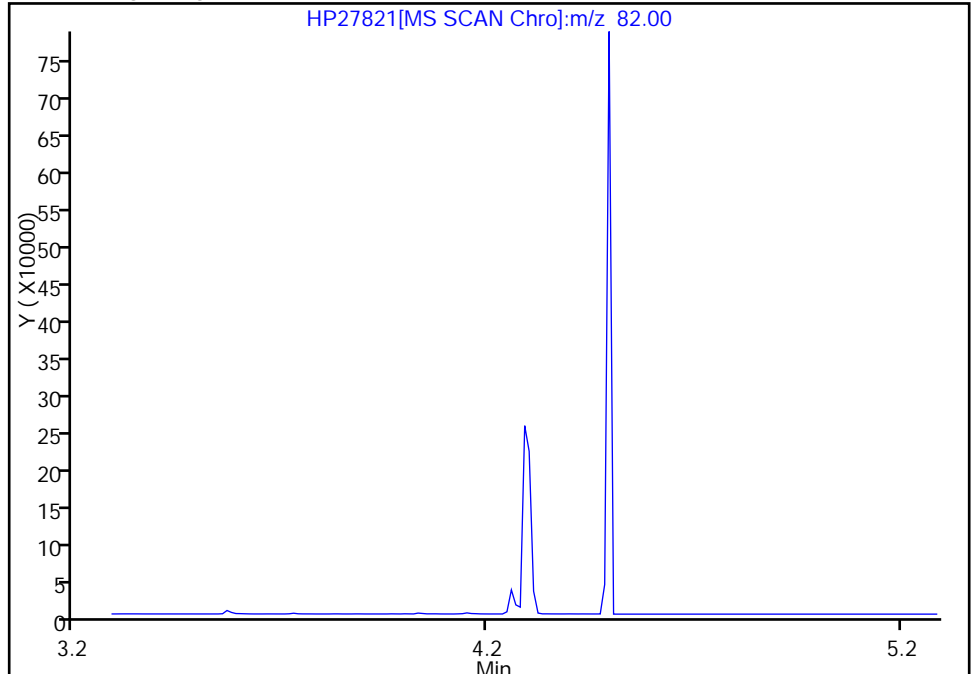
Reviewer: tadesseb, 27-Apr-2012 10:21:33
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27821.D
Injection Date: 26-Apr-2012 18:16:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 9
Operator ID: bat Injection Vol: 1.00 ul

\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

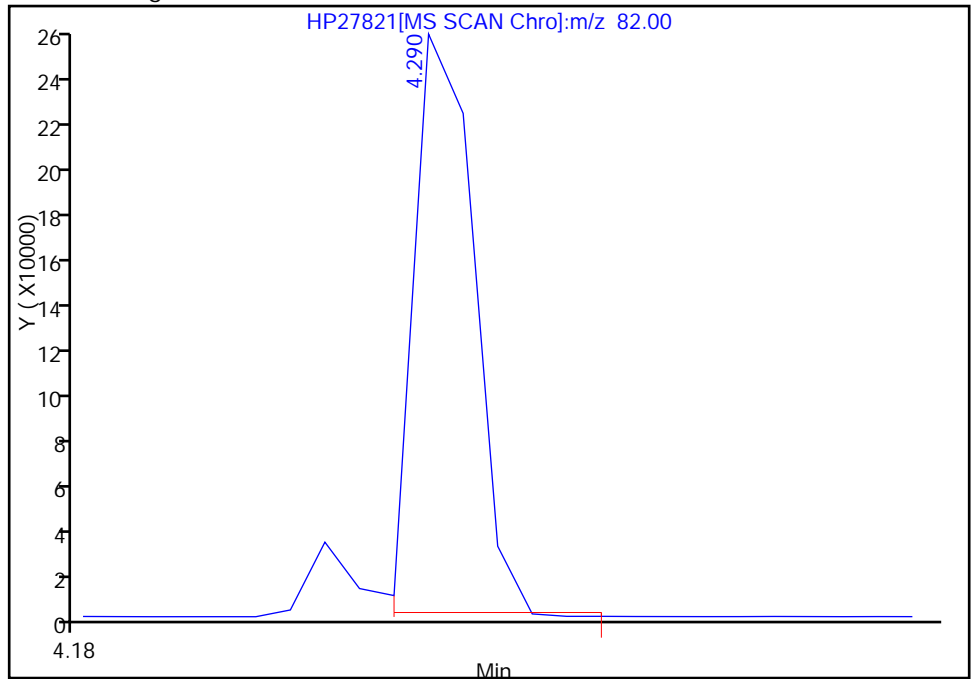
Not Detected
Expected RT: 4.29

Processing Integration Results



RT: 4.29
Response: 322573
Amount: 2007.6896

Manual Integration Results



Reviewer: tadesseb, 27-Apr-2012 10:19:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Lims ID: ic std 5000 ppb Client ID:
 Inject. Date: 26-Apr-2012 18:38:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 8
 Sample ID: ic std 5000 ppb
 Misc. Info.: 580-0022916-010 =580-0022916-010
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 110125 Lims Sample ID: 10
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:59:40 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:59:40

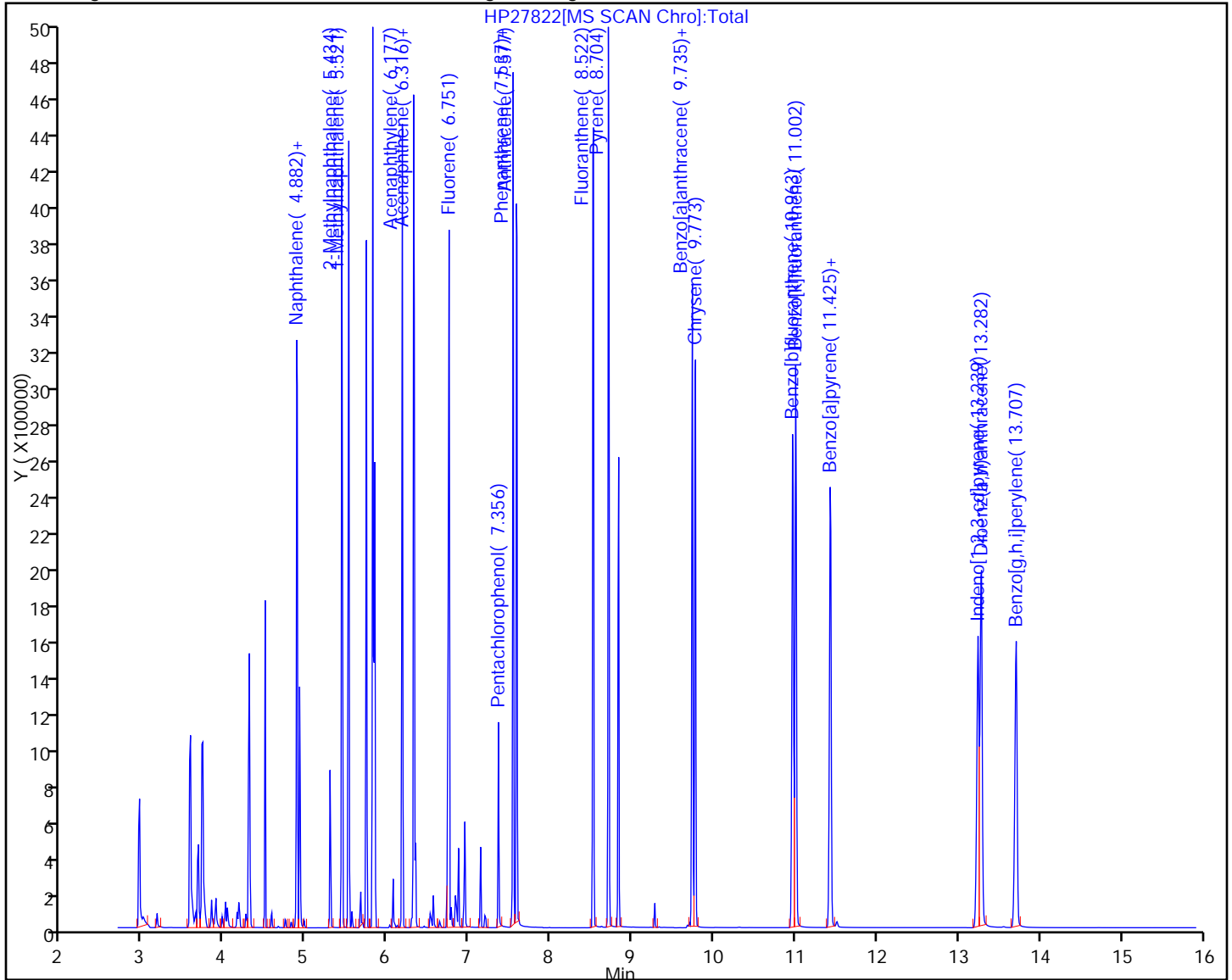
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.892	3.881	0.011	1	134506	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	51007	95.2	
* 3 Acenaphthene-d10	164	6.298	6.290	0.008	1	29238	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	44224	98.0	
* 5 Chrysene-d12	240	9.748	9.742	0.006	1	53352	98.1	
* 6 Perylene-d12	264	11.510	11.503	0.007	1	40975	98.9	
\$ 9 Nitrobenzene-d5	82	4.301	4.290	0.011	1	880358	5241.0	
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	1969505	4470.2	
\$ 51 2,4,6-Tribromophenol	330	6.944	6.945	-0.001	0	425037	4905.2	
\$ 12 Terphenyl-d14	244	8.831	8.823	0.008	1	2249893	4700.9	
26 Naphthalene	128	4.889	4.882	0.007	1	2684550	4687.7	
27 2-Methylnaphthalene	141	5.434	5.435	-0.001	1	1520695	4548.1	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	1528334	4543.3	
31 Acenaphthylene	152	6.177	6.178	-0.001	1	2595885	4769.1	
29 Acenaphthene	153	6.316	6.316	0.0	5	1693739	4609.2	
32 Fluorene	166	6.751	6.751	0.0	1	1965794	5160.5	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	391605	4975.3	M
37 Phenanthrene	178	7.537	7.537	0.0	1	2546197	4594.2	
38 Anthracene	178	7.577	7.577	0.0	1	2639536	4831.9	
42 Fluoranthene	202	8.522	8.514	0.008	1	2969613	4878.2	
41 Pyrene	202	8.704	8.705	-0.001	38	3038369	4796.7	
44 Benzo[a]anthracene	228	9.735	9.729	0.006	1	2918750	4871.9	
43 Chrysene	228	9.773	9.767	0.006	1	2766966	4449.8	
45 Benzo[b]fluoranthene	252	10.963	10.956	0.007	1	2867529	5000.1	
46 Benzo[k]fluoranthene	252	11.002	10.994	0.008	1	2774469	4776.6	
47 Benzo[a]pyrene	252	11.425	11.418	0.007	1	2663923	5205.3	
50 Indeno[1,2,3-cd]pyrene	276	13.239	13.225	0.014	1	2417283	5212.2	M
49 Dibenz(a,h)anthracene	278	13.282	13.267	0.015	1	2433908	4981.9	
51 Benzo[g,h,i]perylene	276	13.707	13.693	0.014	1	2419736	4770.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

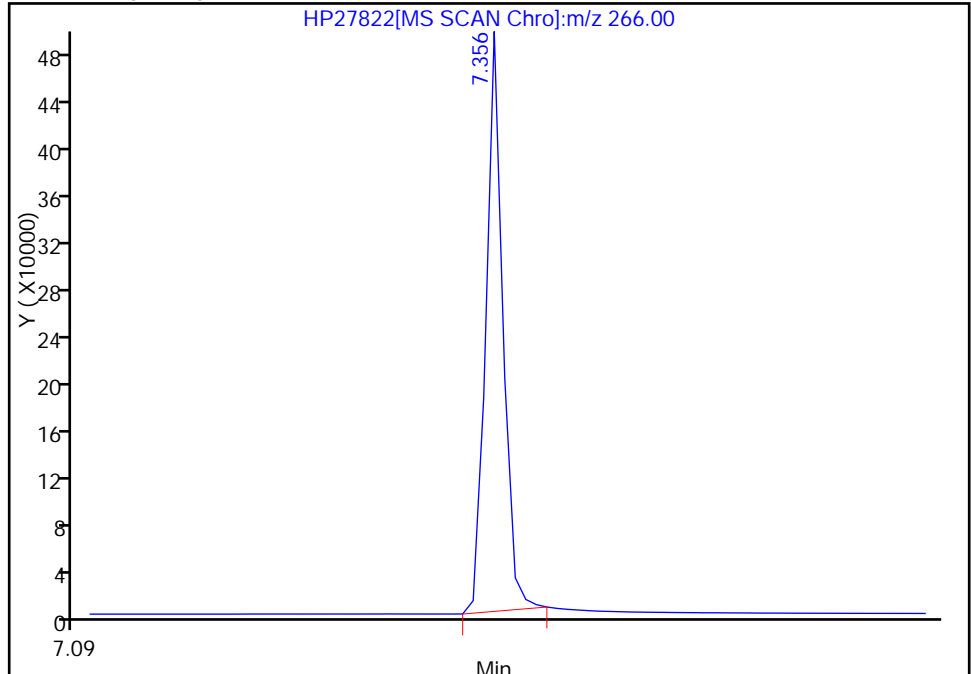


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
Injection Date: 26-Apr-2012 18:38:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 10
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

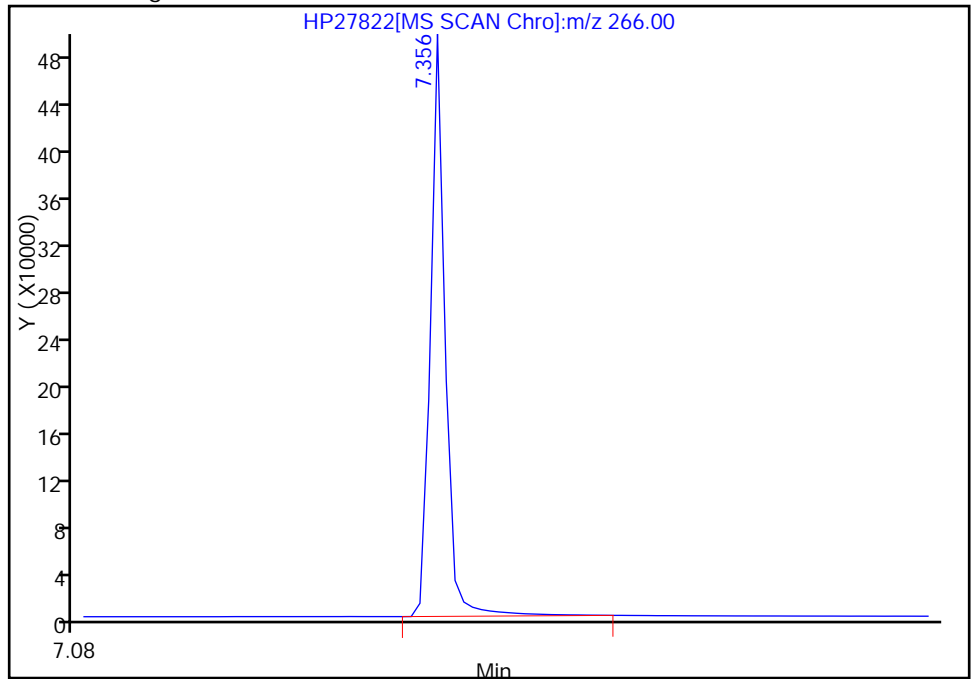
RT: 7.36
Response: 372952
Amount: 4968.7353

Processing Integration Results



RT: 7.36
Response: 391605
Amount: 4975.3373

Manual Integration Results



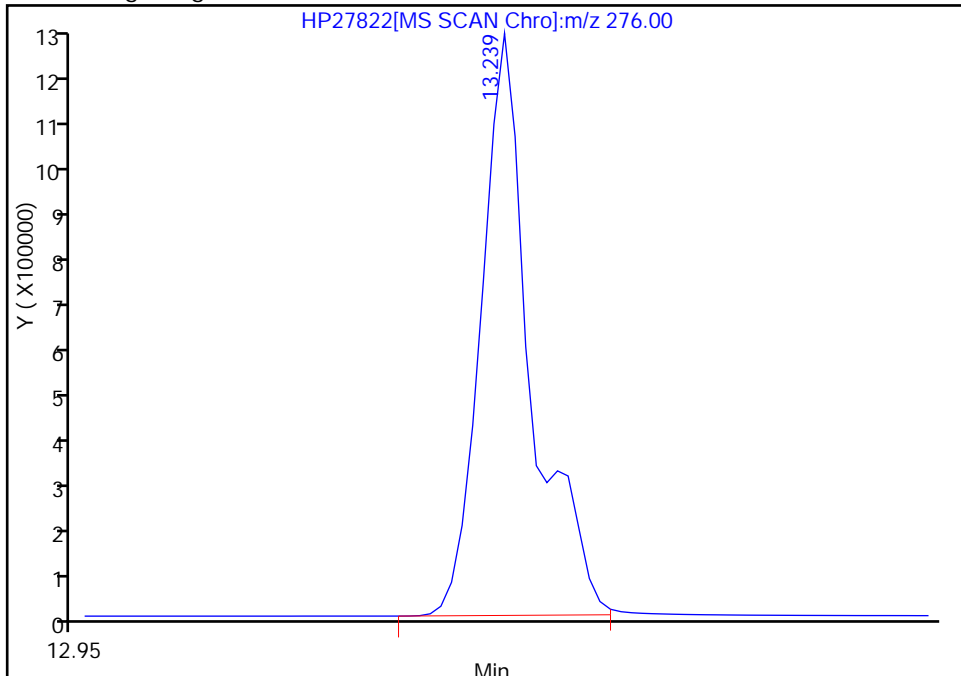
Reviewer: tadesseb, 27-Apr-2012 10:20:15
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
Injection Date: 26-Apr-2012 18:38:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 10
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.22

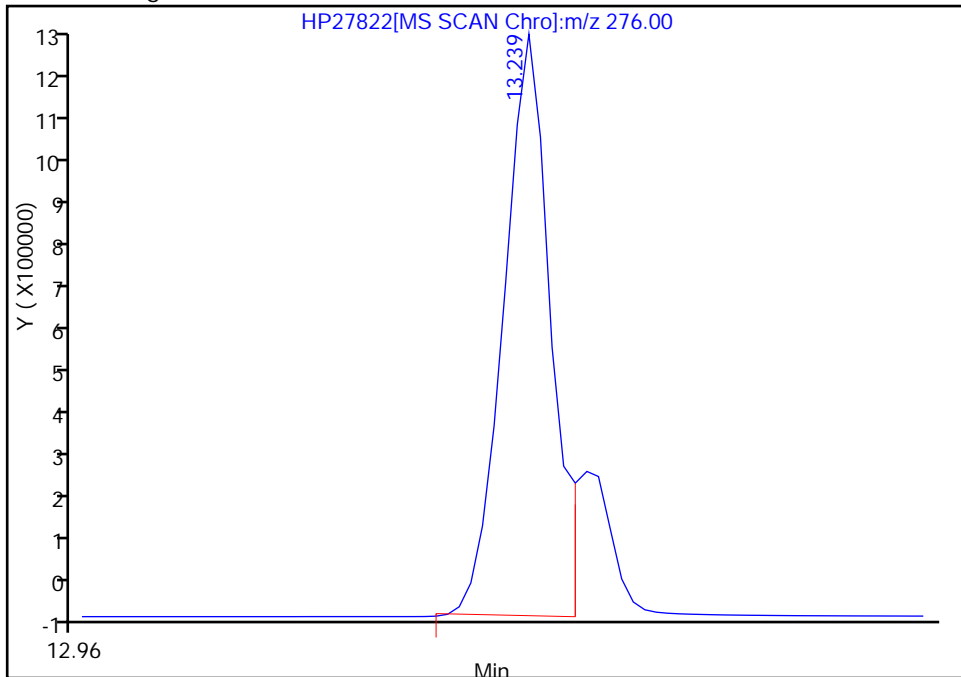
RT: 13.24
Response: 2868104
Amount: 5884.2653

Processing Integration Results



RT: 13.24
Response: 2417283
Amount: 5212.2042

Manual Integration Results



Reviewer: tadesseb, 27-Apr-2012 10:21:00
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Lab Sample ID: ICV 580-110125/11 Calibration Date: 04/26/2012 19:00
 Instrument ID: TAC023 Calib Start Date: 04/26/2012 16:06
 GC Column: ZB-5MS ID: 0.25 (mm) Calib End Date: 04/26/2012 18:38
 Lab File ID: HP27823.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.069	1.070		1000	1000	0.1	25.0
2-Methylnaphthalene	Ave	0.6240	0.6202		995	1000	-0.6	25.0
1-Methylnaphthalene	Ave	0.6278	0.6000		958	1000	-4.4	25.0
Acenaphthylene	Ave	1.824	1.929		1060	999	5.7	25.0
Acenaphthene	Ave	1.232	1.213		986	1000	-1.5	25.0
Fluorene	Ave	1.277	1.288		1010	1000	0.9	25.0
Pentachlorophenol	Qual		0.2146		1040	999	4.4	25.0
Phenanthrene	Ave	1.228	1.205		982	1000	-1.8	25.0
Anthracene	Ave	1.210	1.198		990	1000	-1.0	25.0
Fluoranthene	Ave	1.348	1.350		1000	1000	0.1	25.0
Pyrene	Ave	1.403	1.372		979	1000	-2.2	25.0
Benzo[a]anthracene	Ave	1.101	1.084		985	1000	-1.6	25.0
Chrysene	Ave	1.143	1.071		937	1000	-6.3	25.0
Benzo[b]fluoranthene	Ave	1.384	1.376		994	1000	-0.6	25.0
Benzo[k]fluoranthene	Ave	1.402	1.374		981	1000	-2.0	25.0
Benzo[a]pyrene	Ave	1.235	1.223		990	1000	-1.0	25.0
Indeno[1,2,3-cd]pyrene	Ave	1.119	1.152		1030	1000	2.9	25.0
Dibenz(a,h)anthracene	Ave	1.179	1.235		1050	999	4.8	25.0
Benzo[g,h,i]perylene	Ave	1.224	1.247		1020	1000	1.9	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27823.D
 Lims ID: icv Client ID:
 Inject. Date: 26-Apr-2012 19:00:30 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: icv
 Misc. Info.: 580-0022916-011 =580-0022916-011
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 110125 Lims Sample ID: 11
 Sublist:
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:59:40 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 12:00:54

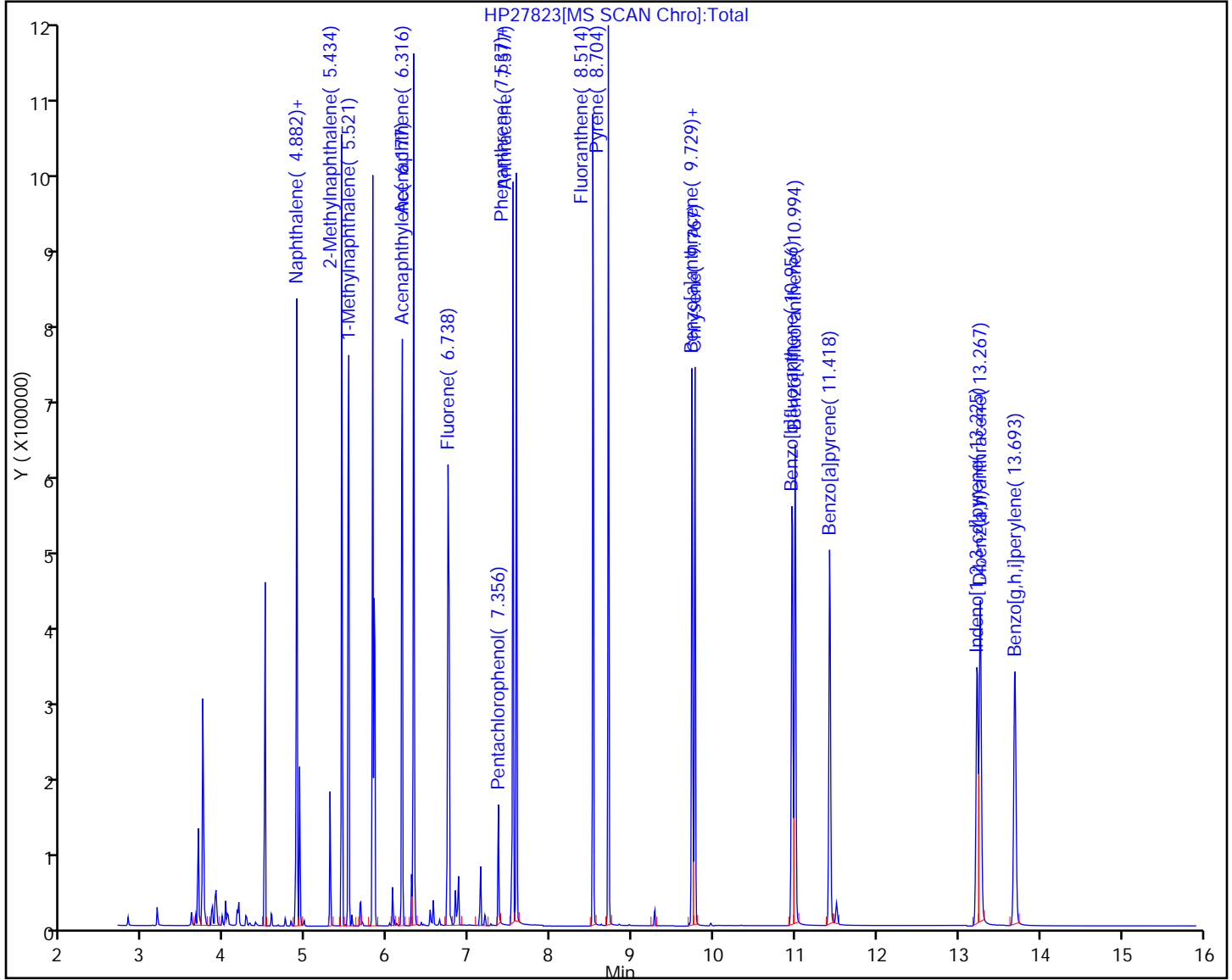
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.892	3.881	0.011	1	41529	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	51301	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	29370	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	45820	98.0	
* 5 Chrysene-d12	240	9.742	9.742	0.0	1	55067	98.1	
* 6 Perylene-d12	264	11.502	11.503	-0.001	1	42441	98.9	
26 Naphthalene	128	4.882	4.882	0.0	1	576574	1001.0	
27 2-Methylnaphthalene	141	5.434	5.435	-0.001	1	334567	994.9	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	323971	957.6	
31 Acenaphthylene	152	6.177	6.178	-0.001	1	577622	1056.4	
29 Acenaphthene	153	6.316	6.316	0.0	5	363802	985.6	
32 Fluorene	166	6.751	6.751	0.0	1	387275	1012.1	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	64232	1042.6	M
37 Phenanthrene	178	7.537	7.537	0.0	1	563775	981.8	
38 Anthracene	178	7.577	7.577	0.0	1	560545	990.4	
42 Fluoranthene	202	8.514	8.514	0.0	1	632596	1003.0	
41 Pyrene	202	8.704	8.705	-0.001	39	642262	978.6	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	608758	984.5	
43 Chrysene	228	9.767	9.767	0.0	1	601233	936.8	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	590442	994.0	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	590064	980.8	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	524635	989.7	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	494220	1028.8	
49 Dibenz(a,h)anthracene	278	13.267	13.267	0.0	1	529473	1046.3	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	535257	1018.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

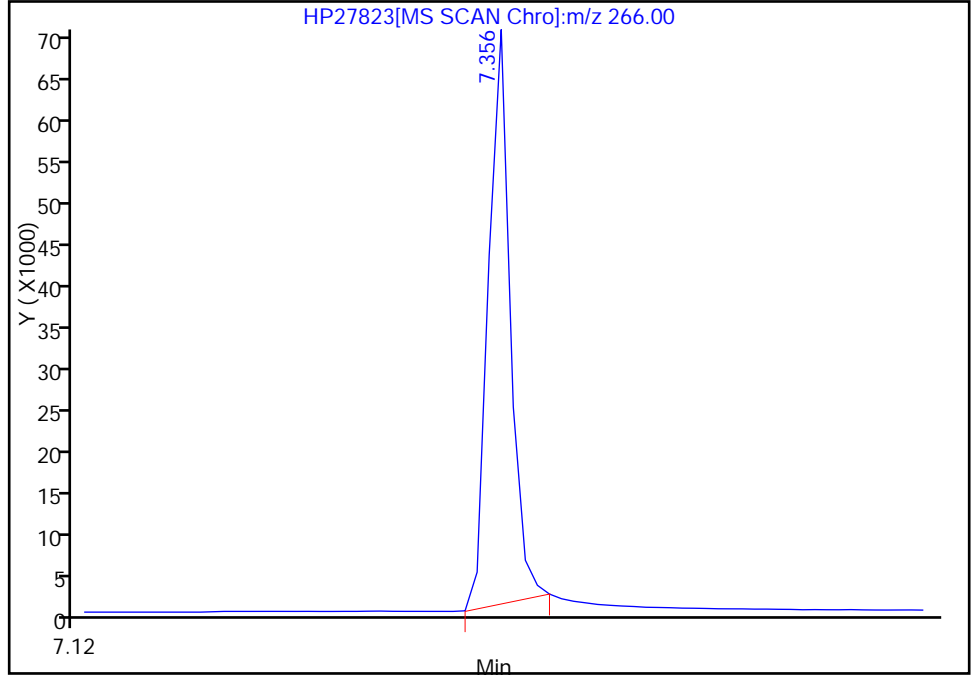


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27823.D
Injection Date: 26-Apr-2012 19:00:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 11
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

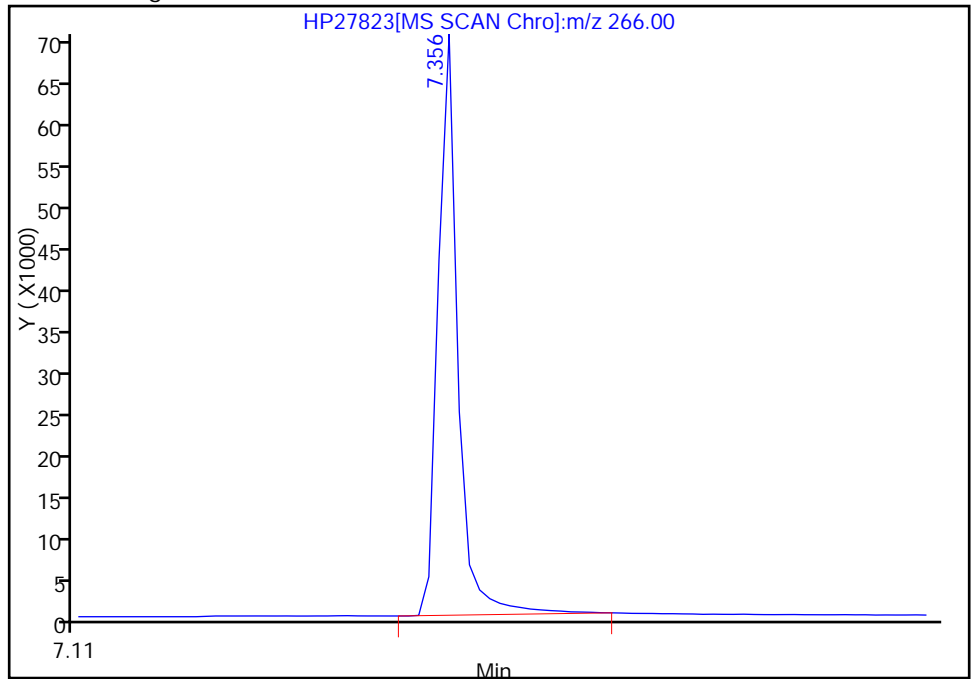
RT: 7.36
Response: 58973
Amount: 963.1893

Processing Integration Results



RT: 7.36
Response: 64232
Amount: 1042.6430

Manual Integration Results



Reviewer: tadesseb, 02-May-2012 12:00:54
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-112072/2 Calibration Date: 05/25/2012 10:24
 Instrument ID: TAC023 Calib Start Date: 04/26/2012 16:06
 GC Column: ZB-5MS ID: 0.25 (mm) Calib End Date: 04/26/2012 18:38
 Lab File ID: HP28005.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene-d5	Ave	0.3135	0.3468		544	492	10.6	
Naphthalene	Ave	1.069	0.9912		464	500	-7.3	25.0
2-Methylnaphthalene	Ave	0.6240	0.5528		443	500	-11.4	25.0
1-Methylnaphthalene	Ave	0.6278	0.5879		468	500	-6.4	25.0
2-Fluorobiphenyl	Ave	1.477	1.348		450	493	-8.7	
Acenaphthylene	Ave	1.824	1.734		475	500	-4.9	25.0
Acenaphthene	Ave	1.232	1.157		470	500	-6.1	20.0
Fluorene	Ave	1.277	1.205		472	500	-5.6	25.0
2,4,6-Tribromophenol	Qual		0.1906		419	492	-14.9	
Pentachlorophenol	Qual		0.2124		543	500	8.6	20.0
Phenanthrene	Ave	1.228	1.131		461	500	-7.9	25.0
Anthracene	Ave	1.210	1.090		450	500	-9.9	25.0
Fluoranthene	Ave	1.348	1.245		462	500	-7.7	20.0
Pyrene	Ave	1.403	1.299		463	500	-7.4	25.0
Terphenyl-d14	Ave	1.060	0.9777		447	485	-7.8	
Benzo[a]anthracene	Ave	1.101	1.027		467	500	-6.7	25.0
Chrysene	Ave	1.143	1.054		461	500	-7.7	25.0
Benzo[b]fluoranthene	Ave	1.384	1.288		465	500	-7.0	25.0
Benzo[k]fluoranthene	Ave	1.402	1.462		521	500	4.3	25.0
Benzo[a]pyrene	Ave	1.235	1.182		479	500	-4.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.119	0.9542		426	500	-14.8	25.0
Dibenz(a,h)anthracene	Ave	1.179	1.014		430	500	-14.0	25.0
Benzo[g,h,i]perylene	Ave	1.224	0.9885		404	500	-19.3	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28005.D
 Lims ID: ccvis Client ID:
 Inject. Date: 25-May-2012 10:24:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: ccvis
 Misc. Info.: 580-0023449-002 =580-0023449-002
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 112072 Lims Sample ID: 2
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb

Date: 25-May-2012 16:13:37

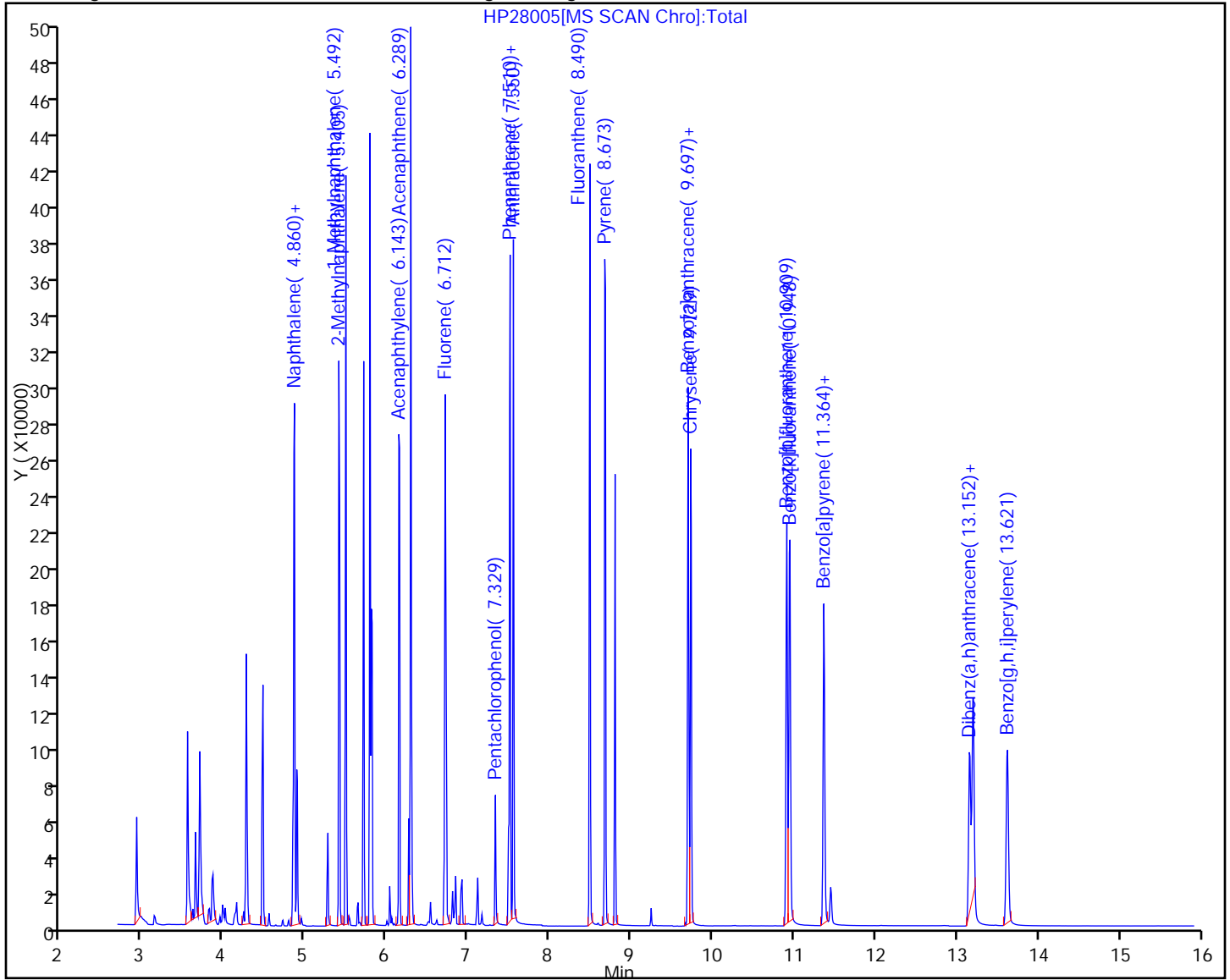
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	26236	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	44540	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	24882	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	37694	98.0	
* 5 Chrysene-d12	240	9.709	9.709	0.0	1	43217	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	31605	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	79825	544.2	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	168755	450.1	
\$ 51 2,4,6-Tribromophenol	330	6.918	6.918	0.0	0	23831	418.8	M
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	182470	447.3	
26 Naphthalene	128	4.860	4.860	0.0	1	231872	463.7	
27 2-Methylnaphthalene	141	5.405	5.415	-0.010	1	129323	442.9	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	137534	468.2	
31 Acenaphthylene	152	6.143	6.143	0.0	1	220147	475.3	
29 Acenaphthene	153	6.289	6.289	0.0	4	146882	469.7	
32 Fluorene	166	6.712	6.712	0.0	1	152980	471.9	
52 Pentachlorophenol	266	7.329	7.329	0.0	0	26968	542.9	M
37 Phenanthrene	178	7.510	7.510	0.0	1	217569	460.6	
38 Anthracene	178	7.550	7.550	0.0	1	209647	450.3	
42 Fluoranthene	202	8.490	8.490	0.0	1	239478	461.5	
41 Pyrene	202	8.680	8.680	0.0	41	249960	463.0	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	226406	466.5	
43 Chrysene	228	9.729	9.729	0.0	1	232382	461.4	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	205757	465.1	
46 Benzo[k]fluoranthene	252	10.948	10.948	0.0	1	233565	521.3	
47 Benzo[a]pyrene	252	11.364	11.364	0.0	1	188896	478.5	
50 Indeno[1,2,3-cd]pyrene	276	13.152	13.152	0.0	1	152471	426.2	M
49 Dibenz(a,h)anthracene	278	13.202	13.202	0.0	1	162050	430.0	
51 Benzo[g,h,i]perylene	276	13.621	13.621	0.0	1	157937	403.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

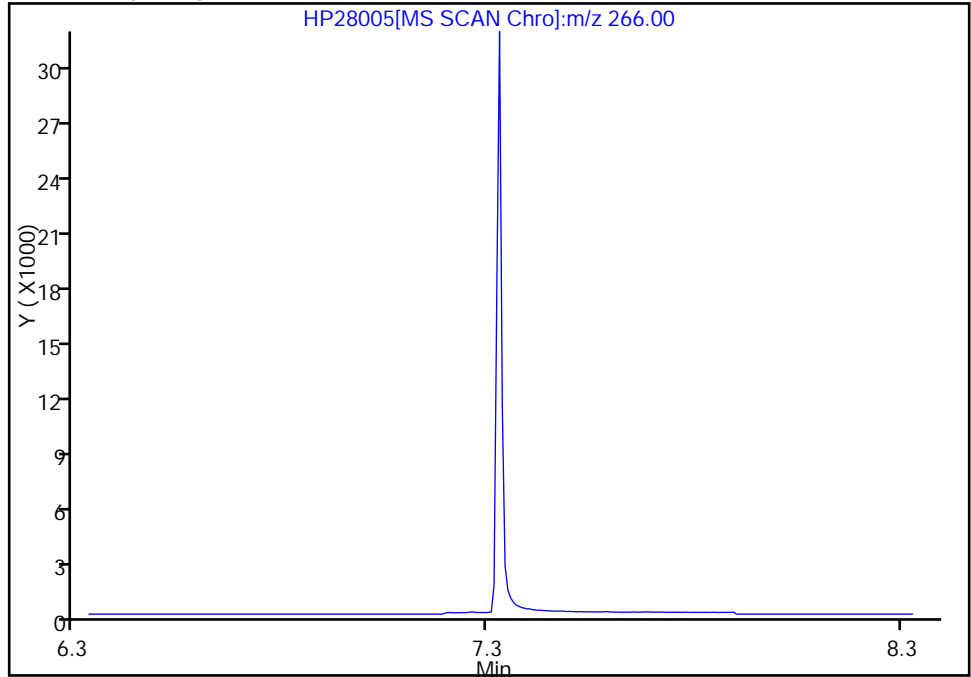


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28005.D
Injection Date: 25-May-2012 10:24:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 2
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.33

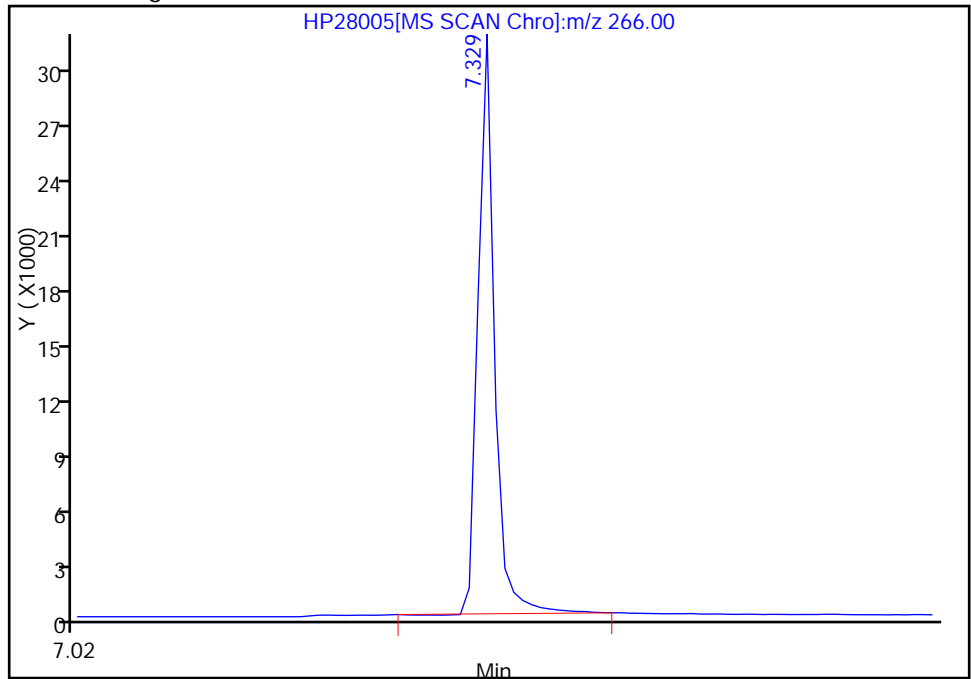
Not Detected
Expected RT: 7.33

Processing Integration Results



Manual Integration Results

RT: 7.33
Response: 26968
Amount: 542.9183



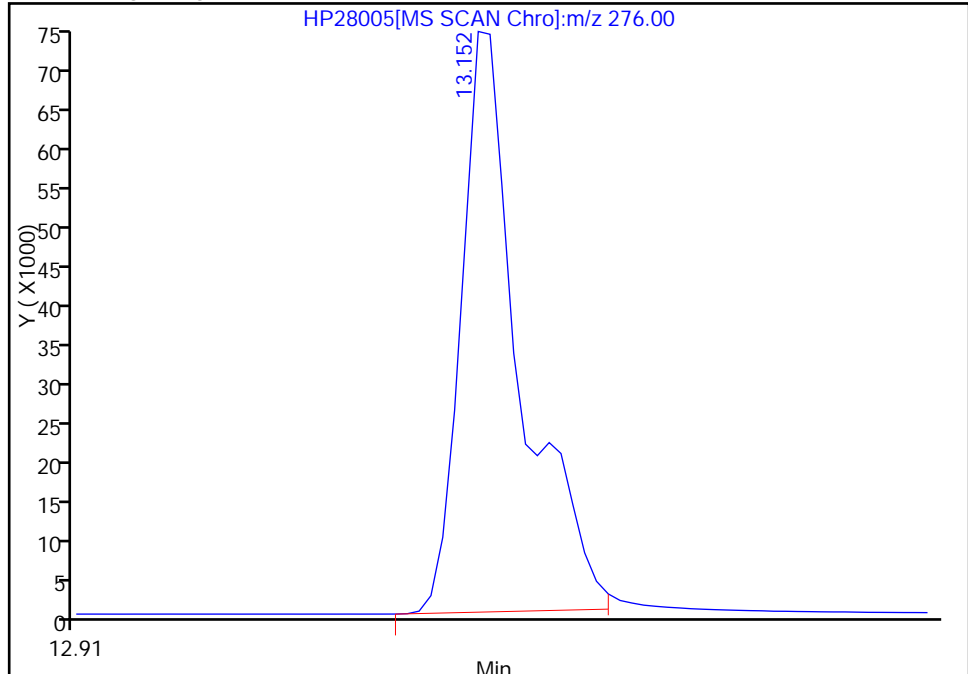
Reviewer: tadesseb, 25-May-2012 11:53:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28005.D
Injection Date: 25-May-2012 10:24:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 2
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.15

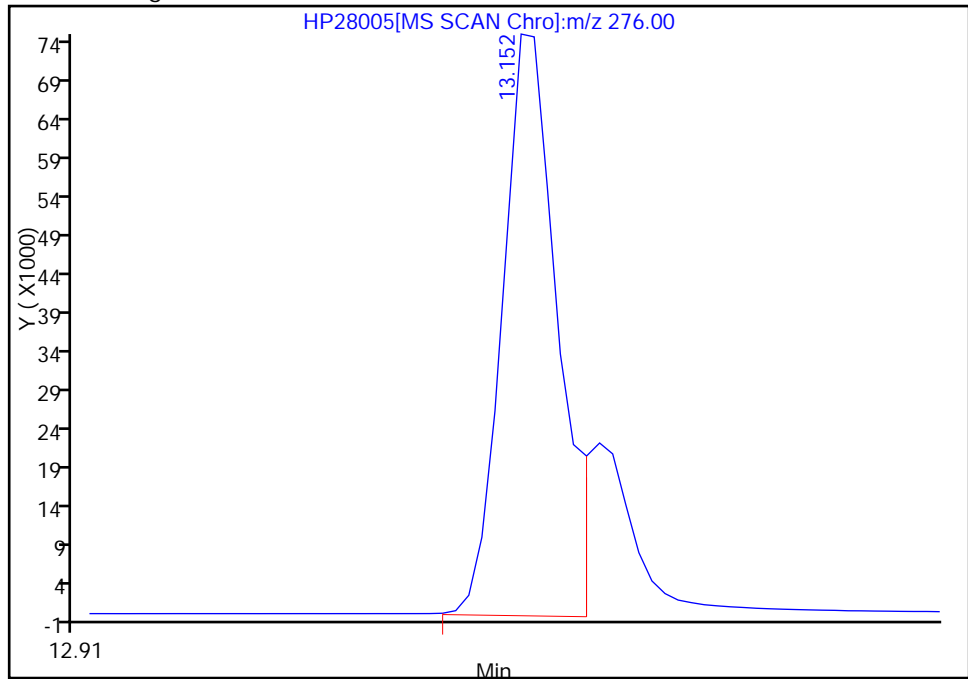
RT: 13.15
Response: 182673
Amount: 510.6595

Processing Integration Results



RT: 13.15
Response: 152471
Amount: 426.2303

Manual Integration Results



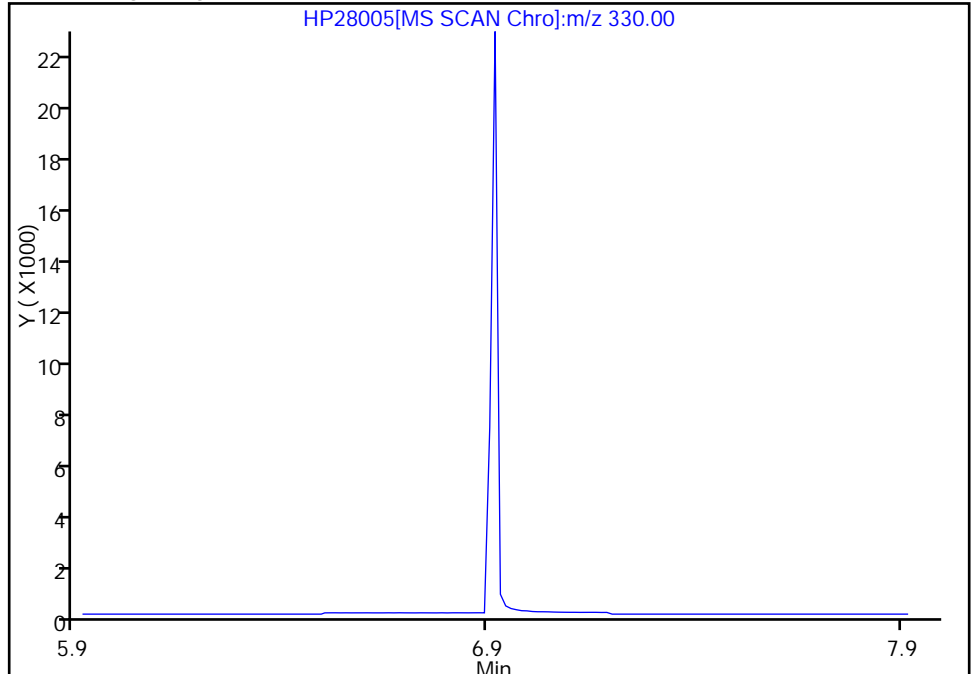
Reviewer: tadesseb, 25-May-2012 11:53:41
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28005.D
Injection Date: 25-May-2012 10:24:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 2
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.92

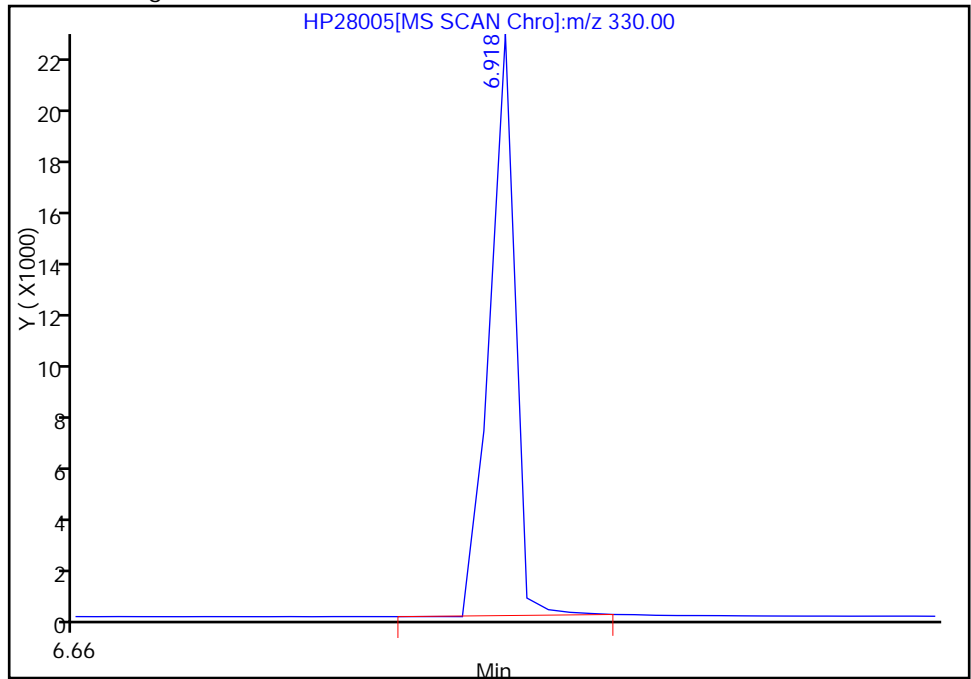
Not Detected
Expected RT: 6.92

Processing Integration Results



RT: 6.92
Response: 23831
Amount: 418.7786

Manual Integration Results



Reviewer: tadesseb, 25-May-2012 11:53:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D
 Lims ID: dftpp Client ID:
 Inject. Date: 26-Apr-2012 15:32:30 Dil. Factor: 1.0000
 Sample Type: DFTPP
 Sample ID: DFTPP
 Misc. Info.: 580-0022916-001 =580-0022916-001
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 110125 Lims Sample ID: 1
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:56:12 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb Date: 02-May-2012 11:56:12

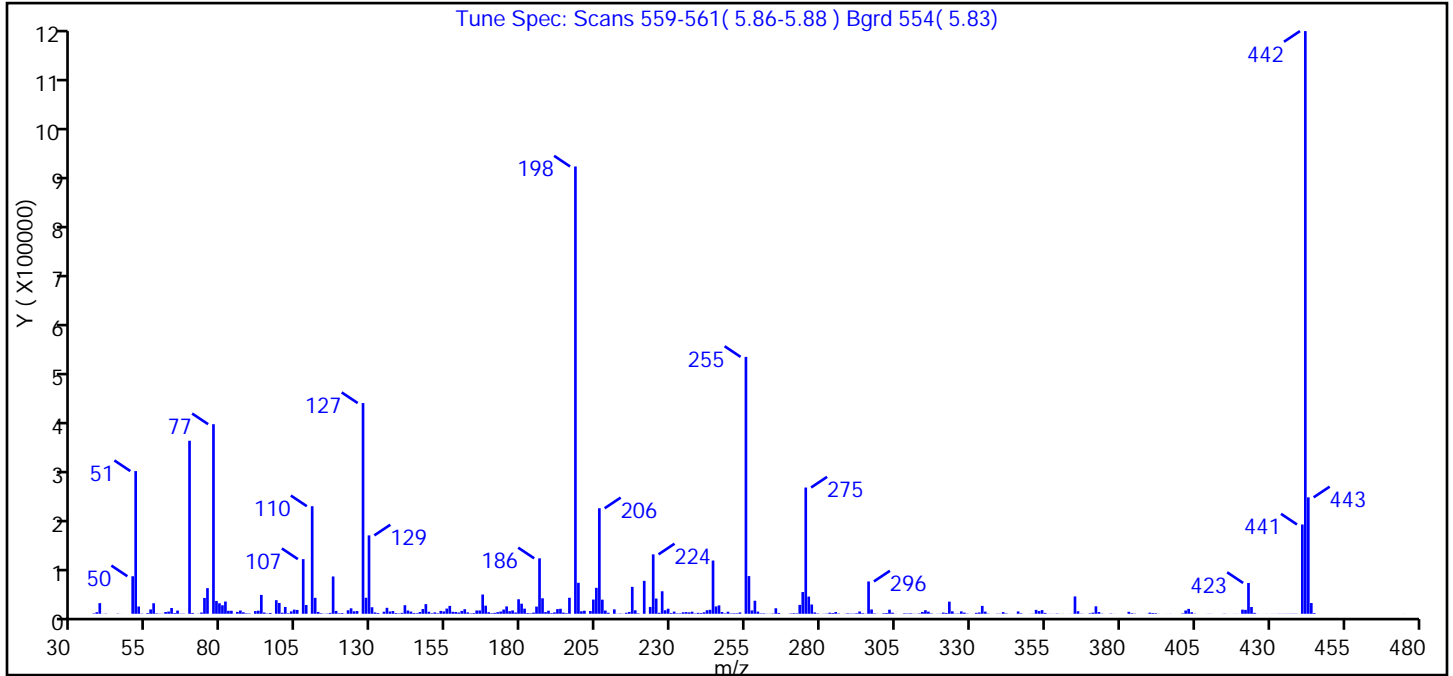
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Pentachlorophenol_T	266	5.405	5.405	0.0	91	1151264	0	
33 DFTPP								
35 Benzidine_T	184	6.915	6.915	0.0	98	4035644	0	
36 4,4'-DDE	246	7.097	7.092	0.005	75	3941	0	
39 4,4'-DDD	235	7.468	7.468	0.0	87	68066	0	M
40 4,4'-DDT	235	7.773	7.773	0.0	97	2398607	0	

QC Flag Legend

Review Flags
 M - Manually Integrated

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D
 Injection Date: 26-Apr-2012 15:32:30 Limit Group: 8270 SIM PAH, PCP
 Client ID: Instrument ID: TAC023
 Lims Batch ID: 110125 Lims Sample ID: 1
 Operator ID: bat Injection Vol: 1.00 ul
 Tune Method: DFTPP Method 525.2

33 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, or > 50% of mass 442	76.76 (76.76)
51	10.00 - 80.00% of mass 442	24.49
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	38.68
70	Less than 2.00% of mass 69	0.14 (0.47)
127	10.00 - 80.00% of mass 442	36.16
197	Less than 2.00% of mass 442	0.00
199	5.00 - 9.00% of mass 442	6.93
275	10.00 - 60.00% of mass 442	21.67
365	Greater than 1.00% of mass 442	2.98
441	Present, but less than mass 443%	15.32 (76.68)
442	Base Peak, or > 50% of mass 198	100.00
443	15.00 - 24.00% of mass 442	19.98 (19.98)

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D\8270C SIM TAC023.rsl\spectra.d
 Injection Date: 26-Apr-2012 15:32:30
 Spectrum: Tune Spec: Scans 559-561(5.86-5.88) Bgrd 554(5.83)
 Base Peak: 442.00
 Minimum % Base Peak: 0
 Number of Points: 364

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	824	142.00	6177	238.00	719	335.00	4104
38.00	2996	143.00	4165	239.00	1847	336.00	476
39.00	20328	144.00	1390	240.00	1387	337.00	50
40.00	169	145.00	1108	241.00	2812	339.00	431
41.00	464	146.00	3283	242.00	6696	340.00	407
45.00	411	147.00	9006	243.00	7552	341.00	3176
46.00	68	148.00	18408	244.00	101752	342.00	822
50.00	71728	149.00	3866	245.00	14008	343.00	119
51.00	272704	150.00	1032	246.00	16033	344.00	60
52.00	13910	151.00	2679	247.00	3416	345.00	68
53.00	515	152.00	986	248.00	866	346.00	4423
55.00	1291	153.00	5460	249.00	3898	347.00	969
56.00	8293	154.00	4415	250.00	810	350.00	204
57.00	20080	155.00	9918	251.00	1006	351.00	274
58.00	827	156.00	15046	252.00	1004	352.00	7416
59.00	393	157.00	3741	253.00	2514	353.00	5158
60.00	268	158.00	3470	255.00	490944	354.00	6992
61.00	3337	159.00	2369	256.00	72032	355.00	1717
62.00	4170	160.00	5475	257.00	6406	356.00	161
63.00	11059	161.00	8720	258.00	24928	357.00	211
64.00	1409	162.00	2622	259.00	4094	358.00	133
65.00	6047	163.00	797	260.00	819	359.00	571
66.00	417	164.00	1272	261.00	838	360.00	149
67.00	424	165.00	6290	262.00	249	361.00	156
69.00	330688	166.00	6302	263.00	267	363.00	93
70.00	1563	167.00	36808	264.00	667	364.00	154
71.00	89	168.00	15438	265.00	10515	365.00	33136
72.00	272	169.00	2997	266.00	1623	366.00	4843
73.00	2400	170.00	1072	267.00	15	367.00	414
74.00	30256	171.00	1706	268.00	40	368.00	110
75.00	48992	172.00	3062	269.00	99	370.00	957
77.00	362304	173.00	4267	270.00	727	371.00	2057
78.00	24496	174.00	8062	271.00	1120	372.00	14218

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D\8270C SIM TAC023.rsl\spectra.d

Injection Date: 26-Apr-2012 15:32:30

Spectrum: Tune Spec: Scans 559-561(5.86-5.88) Bgrd 554(5.83)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 364

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	20064	175.00	14044	272.00	886	373.00	3311
80.00	16270	176.00	4849	273.00	16960	374.00	445
81.00	23392	177.00	6379	274.00	41544	377.00	592
82.00	5689	178.00	2491	275.00	241280	378.00	120
83.00	5808	179.00	27704	276.00	32832	379.00	57
84.00	220	180.00	19256	277.00	17688	381.00	50
85.00	3597	181.00	9770	278.00	2584	383.00	3739
86.00	6220	182.00	1382	279.00	722	384.00	1084
87.00	2798	183.00	945	281.00	253	385.00	466
88.00	968	184.00	2260	282.00	523	389.00	128
89.00	656	185.00	13781	283.00	2017	390.00	2140
91.00	5045	186.00	105944	284.00	1477	391.00	1433
92.00	5876	187.00	29568	285.00	3293	392.00	1096
93.00	36088	188.00	3123	286.00	718	393.00	205
94.00	2329	189.00	5815	288.00	207	395.00	69
95.00	635	190.00	1171	289.00	920	396.00	67
96.00	1529	191.00	2617	290.00	547	397.00	164
98.00	25928	192.00	8896	291.00	583	401.00	838
99.00	20592	193.00	9551	292.00	1025	402.00	6244
100.00	1952	194.00	2228	293.00	4285	403.00	9316
101.00	13020	195.00	1124	294.00	1197	404.00	2932
102.00	1063	196.00	30616	295.00	321	405.00	445
103.00	4597	198.00	854848	296.00	61760	406.00	56
104.00	7879	199.00	59224	297.00	8225	409.00	136
105.00	7362	200.00	4768	298.00	788	410.00	257
107.00	104448	201.00	5817	299.00	214	411.00	50
108.00	16752	203.00	5207	300.00	56	414.00	63
110.00	205568	204.00	27208	301.00	1035	415.00	375
111.00	30480	205.00	49584	302.00	1459	416.00	65
112.00	3501	206.00	201664	303.00	7804	417.00	51
113.00	1035	207.00	26952	304.00	2046	418.00	115
114.00	297	208.00	6099	305.00	197	419.00	194
115.00	583	209.00	1966	308.00	912	420.00	59
116.00	1678	211.00	8380	309.00	714	421.00	7908

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D\8270C SIM TAC023.rsl\spectra.d

Injection Date: 26-Apr-2012 15:32:30

Spectrum: Tune Spec: Scans 559-561(5.86-5.88) Bgrd 554(5.83)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 364

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	71288	212.00	302	310.00	1044	422.00	7468
118.00	5440	213.00	575	311.00	337	423.00	58848
119.00	1016	214.00	255	312.00	247	424.00	12930
120.00	1363	215.00	1922	313.00	780	425.00	1721
121.00	199	216.00	3557	314.00	3520	426.00	176
122.00	6630	217.00	51408	315.00	6730	428.00	52
123.00	10435	218.00	6645	316.00	4107	429.00	122
124.00	4704	219.00	891	317.00	731	430.00	60
125.00	5131	221.00	62896	319.00	220	431.00	151
127.00	402688	223.00	13073	320.00	339	432.00	114
128.00	30584	224.00	113528	321.00	2233	433.00	294
129.00	149824	225.00	29144	322.00	1572	434.00	243
130.00	12461	226.00	1886	323.00	23200	435.00	284
131.00	2599	227.00	43032	324.00	4622	436.00	312
132.00	1448	228.00	6708	325.00	463	437.00	310
133.00	53	229.00	9626	326.00	581	438.00	412
134.00	3921	230.00	1415	327.00	4533	439.00	333
135.00	11363	231.00	4122	328.00	2236	440.00	62
136.00	4313	232.00	864	329.00	479	441.00	170624
137.00	5147	233.00	937	330.00	50	442.00	1113600
138.00	1382	234.00	2869	331.00	53	443.00	222528
139.00	729	235.00	3164	332.00	1840	444.00	20488
140.00	1724	236.00	2708	333.00	2501	445.00	1320
141.00	16351	237.00	3922	334.00	15015	475.00	82

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D
 Lims ID: dftpp Client ID:
 Inject. Date: 25-May-2012 10:11:30 Dil. Factor: 1.0000
 Sample Type: DFTPP
 Sample ID: DFTPP
 Misc. Info.: 580-0023449-001 =580-0023449-001
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 112072 Lims Sample ID: 1
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:03 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb Date: 25-May-2012 16:13:03

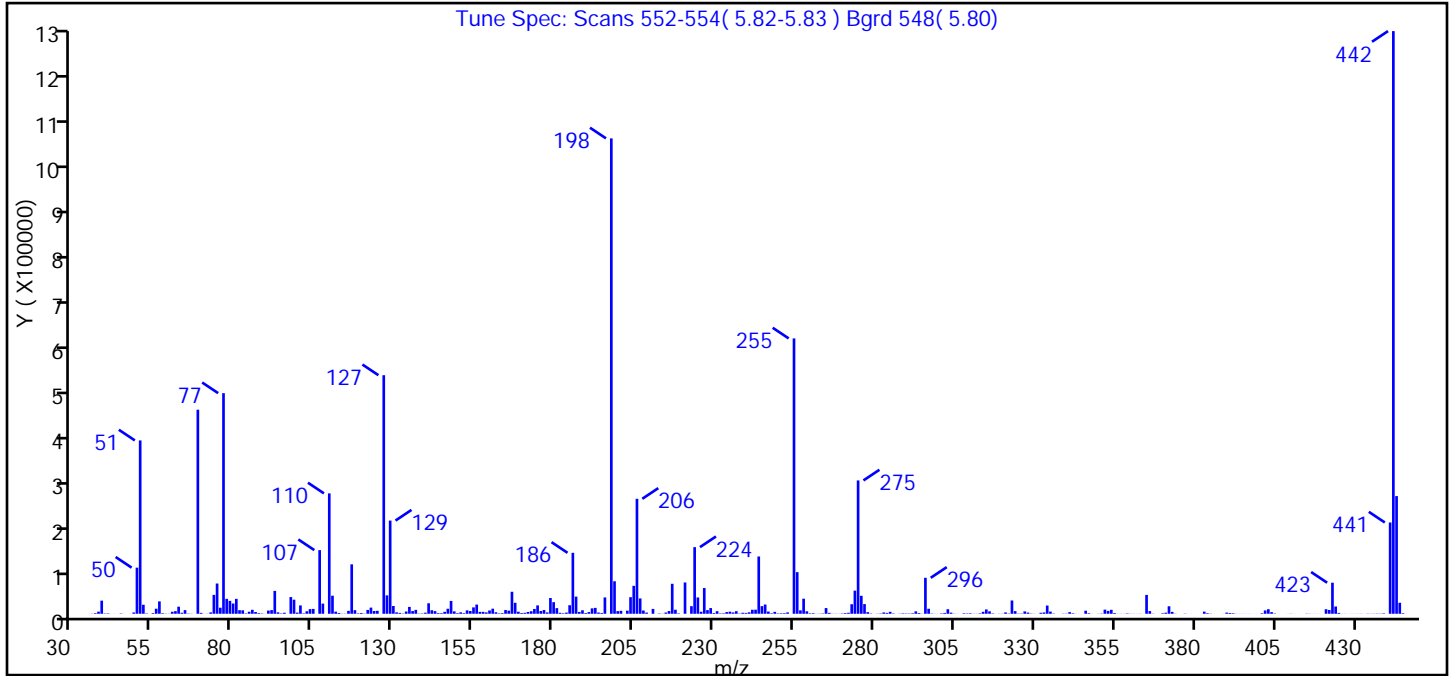
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Pentachlorophenol_T	266	5.364	5.364	0.0	93	1181630	0	
33 DFTPP								
35 Benzidine_T	184	6.868	6.868	0.0	99	3779614	0	
36 4,4'-DDE	246	7.057	7.057	0.0	82	6273	0	
39 4,4'-DDD	235	7.421	7.421	0.0	79	93550	0	M
40 4,4'-DDT	235	7.720	7.720	0.0	98	2886631	0	

QC Flag Legend

Review Flags
 M - Manually Integrated

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D
 Injection Date: 25-May-2012 10:11:30 Limit Group: 8270 SIM PAH, PCP
 Client ID: Instrument ID: TAC023
 Lims Batch ID: 112072 Lims Sample ID: 1
 Operator ID: bat Injection Vol: 1.00 ul
 Tune Method: DFTPP Method 525.2

33 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, or > 50% of mass 442	81.59 (81.59)
51	10.00 - 80.00% of mass 442	29.75
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	42.92
70	Less than 2.00% of mass 69	0.15 (0.43)
127	10.00 - 80.00% of mass 442	40.94
197	Less than 2.00% of mass 442	0.00
199	5.00 - 9.00% of mass 442	6.84
275	10.00 - 60.00% of mass 442	22.88
365	Greater than 1.00% of mass 442	3.23
441	Present, but less than mass 443%	15.67 (77.56)
442	Base Peak, or > 50% of mass 198	100.00
443	15.00 - 24.00% of mass 442	20.20 (20.20)

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D\8270C SIM TAC023.rsl\spectra.d
 Injection Date: 25-May-2012 10:11:30
 Spectrum: Tune Spec: Scans 552-554(5.82-5.83) Bgrd 548(5.80)
 Base Peak: 442.00
 Minimum % Base Peak: 0
 Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	360	138.00	594	238.00	652	334.00	18224
37.00	1436	139.00	768	239.00	2195	335.00	4797
38.00	4652	140.00	2356	240.00	1873	336.00	697
39.00	28992	141.00	23176	241.00	3243	339.00	439
40.00	787	142.00	7808	242.00	8876	340.00	498
41.00	860	143.00	5803	243.00	8993	341.00	3587
42.00	79	144.00	1534	244.00	126592	342.00	1157
43.00	115	145.00	1392	245.00	16848	343.00	237
45.00	775	146.00	4264	246.00	20448	344.00	60
46.00	126	147.00	11085	247.00	4883	346.00	6718
48.00	106	148.00	28360	248.00	1159	347.00	1331
49.00	2861	149.00	5247	249.00	4236	348.00	130
50.00	101904	150.00	1401	250.00	909	350.00	301
51.00	383104	151.00	3191	251.00	1218	351.00	590
52.00	19928	152.00	1395	252.00	1367	352.00	9165
53.00	846	153.00	7476	253.00	3059	353.00	6331
55.00	1561	154.00	6018	255.00	608512	354.00	8790
56.00	11185	155.00	14115	256.00	92016	355.00	1662
57.00	27360	156.00	20296	257.00	7562	356.00	195
58.00	1263	157.00	4213	258.00	33328	357.00	187
59.00	433	158.00	4198	259.00	5454	358.00	210
60.00	293	159.00	2953	260.00	1106	359.00	838
61.00	4394	160.00	7265	261.00	1270	360.00	300
62.00	5777	161.00	11248	262.00	207	361.00	268
63.00	15662	162.00	3339	263.00	418	362.00	163
64.00	2230	163.00	995	264.00	833	363.00	280
65.00	8080	164.00	1435	265.00	12600	365.00	41648
66.00	589	165.00	8207	266.00	2028	366.00	5924
67.00	331	166.00	6891	267.00	345	367.00	455
69.00	450944	167.00	48584	268.00	320	370.00	1198
70.00	1952	168.00	24200	269.00	280	371.00	2430
71.00	132	169.00	4455	270.00	779	372.00	16568
72.00	309	170.00	1747	271.00	1508	373.00	4168

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D\8270C SIM TAC023.rsl\spectra.d

Injection Date: 25-May-2012 10:11:30

Spectrum: Tune Spec: Scans 552-554(5.82-5.83) Bgrd 548(5.80)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	3014	171.00	2112	272.00	2253	374.00	362
74.00	41760	172.00	3994	273.00	21096	377.00	488
75.00	66848	173.00	5630	274.00	51128	378.00	68
76.00	13365	174.00	10626	275.00	294656	379.00	62
77.00	487552	175.00	18472	276.00	39720	382.00	57
78.00	32952	176.00	6117	277.00	21400	383.00	4699
79.00	28568	177.00	8270	278.00	3631	384.00	1354
80.00	22688	178.00	2978	279.00	685	385.00	379
81.00	32960	179.00	34872	280.00	69	386.00	64
82.00	7906	180.00	25672	281.00	347	389.00	170
83.00	7656	181.00	12461	282.00	703	390.00	2548
84.00	905	182.00	2166	283.00	2944	391.00	1718
85.00	4504	183.00	1210	284.00	1893	392.00	1221
86.00	8779	184.00	2625	285.00	4351	393.00	224
87.00	3904	185.00	18864	286.00	837	394.00	138
88.00	1464	186.00	134720	287.00	70	395.00	188
89.00	738	187.00	37888	288.00	426	396.00	124
90.00	125	188.00	4052	289.00	1021	397.00	150
91.00	7074	189.00	7703	290.00	763	398.00	59
92.00	8098	190.00	1647	291.00	695	399.00	53
93.00	50584	191.00	3731	292.00	1246	401.00	1301
94.00	3153	192.00	11946	293.00	5346	402.00	7350
95.00	876	193.00	13033	294.00	1670	403.00	10063
96.00	2289	194.00	2738	295.00	245	404.00	3630
98.00	36928	195.00	1774	296.00	79488	405.00	786
99.00	31096	196.00	36128	297.00	11070	409.00	94
100.00	2593	198.00	1050624	298.00	640	410.00	310
101.00	18440	199.00	71832	299.00	206	411.00	65
102.00	1046	200.00	5855	300.00	77	413.00	68
103.00	5535	201.00	6533	301.00	888	415.00	462
104.00	10274	203.00	6873	302.00	1801	416.00	295
105.00	10729	204.00	36664	303.00	10059	417.00	116
107.00	140672	205.00	61736	304.00	2520	418.00	131
108.00	22464	206.00	254080	305.00	372	419.00	132

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D\8270C SIM TAC023.rsl\spectra.d

Injection Date: 25-May-2012 10:11:30

Spectrum: Tune Spec: Scans 552-554(5.82-5.83) Bgrd 548(5.80)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
110.00	266048	207.00	33920	306.00	129	421.00	10071
111.00	39920	208.00	7199	308.00	1175	422.00	8396
112.00	4656	209.00	2624	309.00	829	423.00	68664
113.00	1756	211.00	10708	310.00	1191	424.00	16067
114.00	339	213.00	746	311.00	272	425.00	1851
115.00	387	214.00	335	312.00	291	426.00	184
116.00	6400	215.00	2712	313.00	1004	427.00	198
117.00	109248	216.00	6030	314.00	4337	428.00	50
118.00	7999	217.00	66248	315.00	9577	429.00	160
119.00	1043	218.00	8902	316.00	5419	430.00	131
120.00	1653	219.00	996	317.00	947	431.00	223
121.00	477	221.00	69184	318.00	126	432.00	236
122.00	8449	223.00	16752	319.00	314	433.00	65
123.00	13630	224.00	147264	320.00	385	434.00	416
124.00	6127	225.00	36064	321.00	2971	435.00	291
125.00	6481	226.00	4447	322.00	676	436.00	381
127.00	527232	227.00	56872	323.00	29376	437.00	519
128.00	40640	228.00	8099	324.00	5839	438.00	461
129.00	205952	229.00	12588	325.00	536	439.00	1019
130.00	17200	230.00	1628	326.00	665	441.00	201728
131.00	3122	231.00	5656	327.00	5190	442.00	1287680
132.00	1871	232.00	893	328.00	2741	443.00	260096
133.00	650	233.00	1129	329.00	579	444.00	24320
134.00	5013	234.00	3700	330.00	187	445.00	1375
135.00	15204	235.00	4632	331.00	70	446.00	53
136.00	6052	236.00	2952	332.00	2170		
137.00	8632	237.00	5626	333.00	2980		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-111684/1-A
 Matrix: Solid Lab File ID: HP28006.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:29
 Sample wt/vol: 20(g) Date Analyzed: 05/25/2012 11:51
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	ND		0.50	0.20
91-57-6	2-Methylnaphthalene	ND		0.50	0.20
90-12-0	1-Methylnaphthalene	ND		0.50	0.15
208-96-8	Acenaphthylene	ND		0.50	0.15
83-32-9	Acenaphthene	ND		0.50	0.15
86-73-7	Fluorene	ND		0.50	0.15
85-01-8	Phenanthrene	ND		0.50	0.15
120-12-7	Anthracene	ND		0.50	0.15
206-44-0	Fluoranthene	ND		0.50	0.15
129-00-0	Pyrene	ND		0.50	0.15
56-55-3	Benzo[a]anthracene	ND		0.50	0.15
218-01-9	Chrysene	ND		0.50	0.15
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.15
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.15
50-32-8	Benzo[a]pyrene	ND		0.50	0.15
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.15
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.15
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	74		42-151

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28006.D
 Lims ID: MB 580-111684/1-A Client ID:
 Inject. Date: 25-May-2012 11:51:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: mb 580-111684/1-a
 Misc. Info.: 580-0023449-003 =580-0023449-003
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 112072 Lims Sample ID: 3
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb Date: 25-May-2012 16:14:24

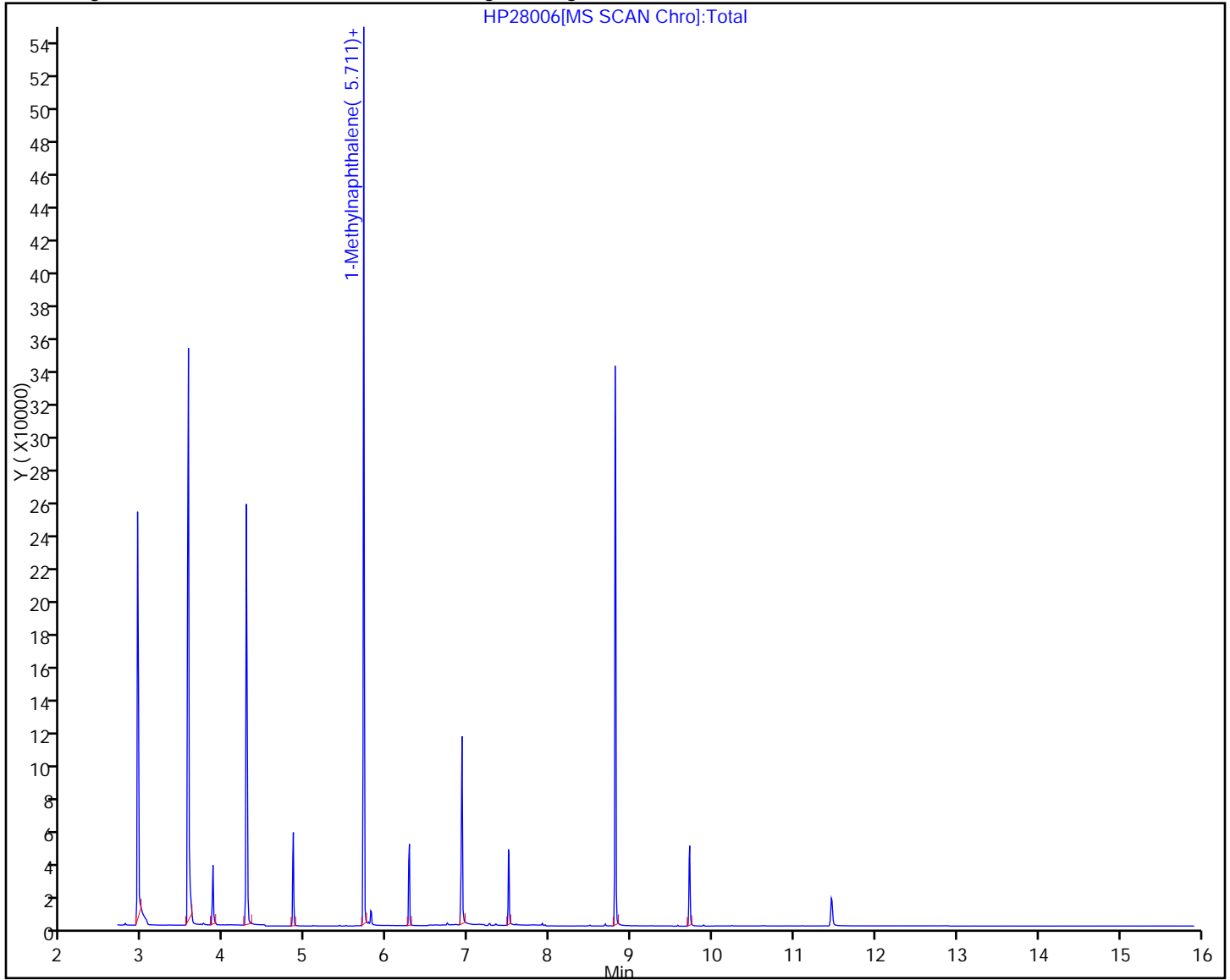
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	17886	95.6	
* 2 Naphthalene-d8	136	4.846	4.839	0.007	1	46569	95.2	
* 3 Acenaphthene-d10	164	6.272	6.264	0.008	1	25232	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	39169	98.0	
* 5 Chrysene-d12	240	9.716	9.709	0.007	1	40860	98.1	
* 6 Perylene-d12	264	11.456	11.448	0.008	1	28574	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	138839	905.3	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	298406	784.8	
\$ 51 2,4,6-Tribromophenol	330	6.918	6.918	0.0	0	89731	1453.5	M
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	313064	738.5	
27 2-Methylnaphthalene	141	5.415	5.415	0.0	1	204	0.6683	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	158	0.5145	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-111684/2-A
 Matrix: Solid Lab File ID: HP28007.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:29
 Sample wt/vol: 20(g) Date Analyzed: 05/25/2012 12:12
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	89.4		0.50	0.20
91-57-6	2-Methylnaphthalene	85.5		0.50	0.20
90-12-0	1-Methylnaphthalene	85.5		0.50	0.15
208-96-8	Acenaphthylene	93.6		0.50	0.15
83-32-9	Acenaphthene	89.6		0.50	0.15
86-73-7	Fluorene	91.6		0.50	0.15
85-01-8	Phenanthrene	90.4		0.50	0.15
120-12-7	Anthracene	88.1		0.50	0.15
206-44-0	Fluoranthene	94.7		0.50	0.15
129-00-0	Pyrene	93.5		0.50	0.15
56-55-3	Benzo[a]anthracene	93.6		0.50	0.15
218-01-9	Chrysene	90.5		0.50	0.15
205-99-2	Benzo[b]fluoranthene	97.1		0.50	0.15
207-08-9	Benzo[k]fluoranthene	109		0.50	0.15
50-32-8	Benzo[a]pyrene	97.4		0.50	0.15
193-39-5	Indeno[1,2,3-cd]pyrene	84.6		0.50	0.15
53-70-3	Dibenz(a,h)anthracene	87.8		0.50	0.15
191-24-2	Benzo[g,h,i]perylene	80.9		0.50	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	70		42-151

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28007.D
 Lims ID: LCS 580-111684/2-A Client ID:
 Inject. Date: 25-May-2012 12:12:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: lcs 580-111684/2-a
 Misc. Info.: 580-0023449-004 =580-0023449-004
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 112072 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb

Date: 25-May-2012 16:14:55

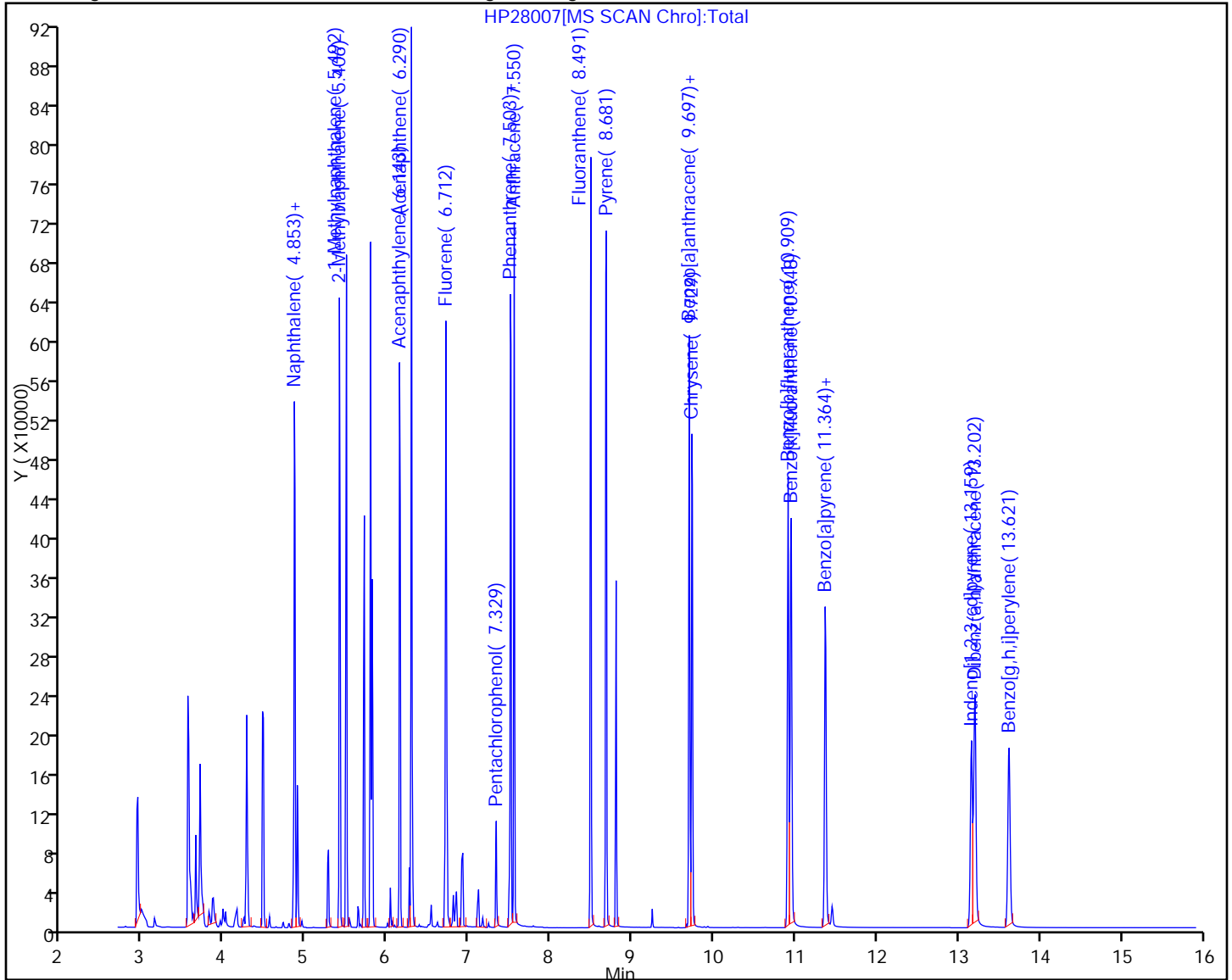
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	34419	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	42276	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	23915	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	36002	98.0	
* 5 Chrysene-d12	240	9.710	9.709	0.001	1	42854	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	29429	98.9	
\$ 9 Nitrobenzene-d5	82	4.269	4.268	0.001	1	121569	873.2	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	259608	720.4	
\$ 51 2,4,6-Tribromophenol	330	6.919	6.918	0.001	0	78320	1347.3	M
\$ 12 Terphenyl-d14	244	8.800	8.799	0.001	1	270816	695.1	
26 Naphthalene	128	4.853	4.860	-0.007	1	424542	894.4	
27 2-Methylnaphthalene	141	5.406	5.415	-0.009	1	236810	854.5	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	238364	854.9	
31 Acenaphthylene	152	6.143	6.143	0.0	1	416778	936.1	
29 Acenaphthene	153	6.290	6.289	0.001	3	269252	895.8	
32 Fluorene	166	6.712	6.712	0.0	1	285296	915.7	
52 Pentachlorophenol	266	7.329	7.329	0.0	0	43004	874.2	M
37 Phenanthrene	178	7.503	7.510	-0.007	1	407779	903.8	
38 Anthracene	178	7.550	7.550	0.0	1	391608	880.6	
42 Fluoranthene	202	8.491	8.490	0.0	1	469549	947.5	
41 Pyrene	202	8.681	8.680	0.001	41	481895	934.5	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	450320	935.8	
43 Chrysene	228	9.729	9.729	0.0	1	451871	904.7	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	399787	970.6	
46 Benzo[k]fluoranthene	252	10.948	10.948	0.0	1	455105	1090.9	
47 Benzo[a]pyrene	252	11.364	11.364	0.0	1	358135	974.3	
50 Indeno[1,2,3-cd]pyrene	276	13.159	13.152	0.007	1	281836	846.1	M
49 Dibenz(a,h)anthracene	278	13.202	13.202	0.0	1	307909	877.5	
51 Benzo[g,h,i]perylene	276	13.621	13.621	0.0	1	294549	808.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

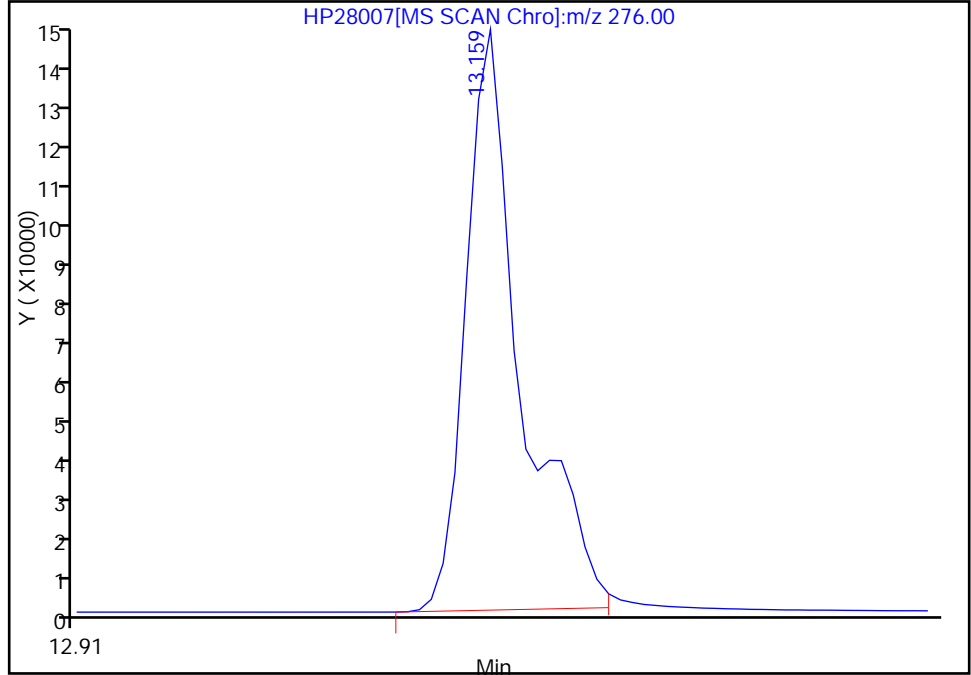


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28007.D
Injection Date: 25-May-2012 12:12:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 4
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.15

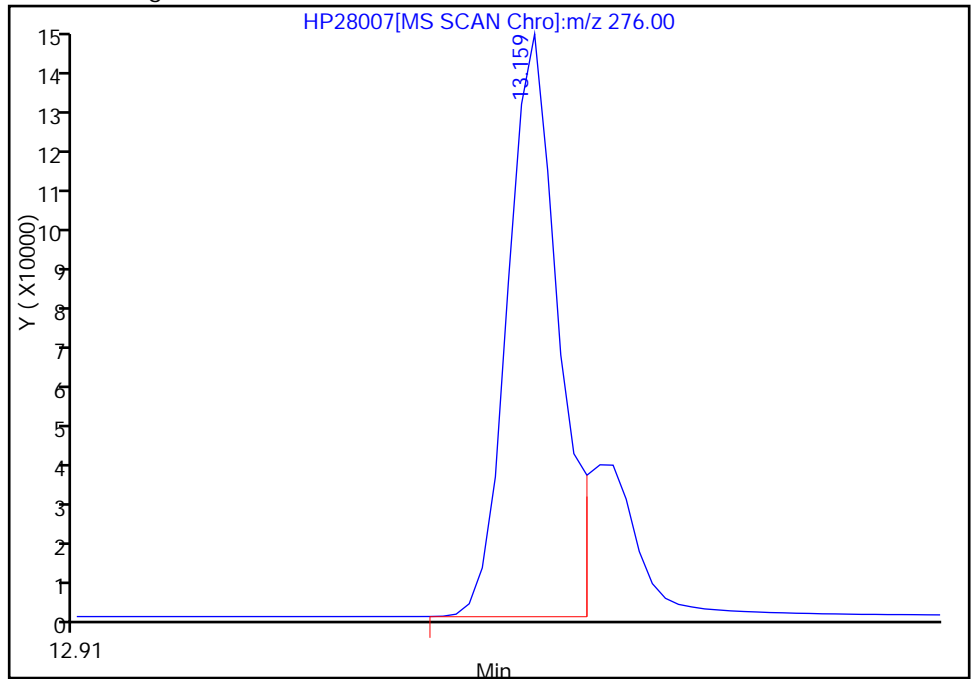
RT: 13.16
Response: 342665
Amount: 1028.7436

Processing Integration Results



RT: 13.16
Response: 281836
Amount: 846.1237

Manual Integration Results



Reviewer: tadesseb, 25-May-2012 12:52:38
Audit Action: Manually Integrated
Audit Reason: Baseline

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Instrument ID: TAC023 Start Date: 04/26/2012 15:32Analysis Batch Number: 110125 End Date: 04/26/2012 19:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-110125/1		04/26/2012 15:32	1	HP27813.D	ZB-5MS 0.25 (mm)
IC 580-110125/3		04/26/2012 16:06	1	HP27815.D	ZB-5MS 0.25 (mm)
IC 580-110125/4		04/26/2012 16:28	1	HP27816.D	ZB-5MS 0.25 (mm)
IC 580-110125/5		04/26/2012 16:50	1	HP27817.D	ZB-5MS 0.25 (mm)
IC 580-110125/6		04/26/2012 17:11	1	HP27818.D	ZB-5MS 0.25 (mm)
ICIS 580-110125/7		04/26/2012 17:33	1	HP27819.D	ZB-5MS 0.25 (mm)
IC 580-110125/8		04/26/2012 17:55	1	HP27820.D	ZB-5MS 0.25 (mm)
IC 580-110125/9		04/26/2012 18:16	1	HP27821.D	ZB-5MS 0.25 (mm)
IC 580-110125/10		04/26/2012 18:38	1	HP27822.D	ZB-5MS 0.25 (mm)
ICV 580-110125/11		04/26/2012 19:00	1	HP27823.D	ZB-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Instrument ID: TAC023 Start Date: 05/25/2012 10:11Analysis Batch Number: 112072 End Date: 05/25/2012 15:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-112072/1		05/25/2012 10:11	1	HP28004.D	ZB-5MS 0.25 (mm)
CCVIS 580-112072/2		05/25/2012 10:24	1	HP28005.D	ZB-5MS 0.25 (mm)
MB 580-111684/1-A		05/25/2012 11:51	1	HP28006.D	ZB-5MS 0.25 (mm)
LCS 580-111684/2-A		05/25/2012 12:12	1	HP28007.D	ZB-5MS 0.25 (mm)
ZZZZZ		05/25/2012 12:34	1		ZB-5MS 0.25 (mm)
ZZZZZ		05/25/2012 12:56	1		ZB-5MS 0.25 (mm)
ZZZZZ		05/25/2012 13:17	1		ZB-5MS 0.25 (mm)
ZZZZZ		05/25/2012 13:39	1		ZB-5MS 0.25 (mm)
ZZZZZ		05/25/2012 14:01	1		ZB-5MS 0.25 (mm)
580-32844-5	JW-UR-COMP-120508	05/25/2012 14:22	1	HP28013.D	ZB-5MS 0.25 (mm)
580-32844-10	JW-DR-COMP-120508	05/25/2012 14:44	1	HP28014.D	ZB-5MS 0.25 (mm)
580-32844-15	JW-RG-COMP-120508	05/25/2012 15:06	1	HP28015.D	ZB-5MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Batch Number: 111684 Batch Start Date: 05/18/12 14:29 Batch Analyst: Palmer, SonyaBatch Method: 3550B Batch End Date: 05/21/12 12:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8270 ARC Surr 00003	8270LLflspk 00005		
MB 580-111684/1		3550B, 8270C SIM		20 g	2 mL	100 uL			
LCS 580-111684/2		3550B, 8270C SIM		20 g	2 mL	100 uL	500 uL		
580-32844-C-5	JW-UR-COMP-12050 8	3550B, 8270C SIM	T	20.9473 g	2 mL	100 uL			
580-32844-C-10	JW-DR-COMP-12050 8	3550B, 8270C SIM	T	20.0203 g	2 mL	100 uL			
580-32844-C-15	JW-RG-COMP-12050 8	3550B, 8270C SIM	T	20.3033 g	2 mL	100 uL			

Batch Notes	
Acid used for Clean Up Reagent	861553
Balance ID	SEA222
Blank Soil Lot Number	817693
Person's name who did the concentration	spalmer
Na2SO4 Lot Number	832174
Prep Solvent Lot #	900005
Prep Solvent Name	DCM
Prep Solvent Volume Used	10 (verified volumetrically) mL
Person's name who did the prep	spalmer
ID number of the thermometer	101696187
Uncorrected Temperature	51.3-61.3 Celsius
Vendor of Reagent used	JTB
Water Bath ID	WB1
Water Bath Temperature	50.8-60.8 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32844-1

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID	Lab Sample ID
<u>JW-UR-COMP-120508</u>	<u>580-32844-5</u>
<u>JW-DR-COMP-120508</u>	<u>580-32844-10</u>
<u>JW-RG-COMP-120508</u>	<u>580-32844-15</u>

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 580-32844-1

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID	Lab Sample ID
<u>JW-UR-COMP-120508</u>	<u>580-32844-5</u>
<u>JW-DR-COMP-120508</u>	<u>580-32844-10</u>
<u>JW-RG-COMP-120508</u>	<u>580-32844-15</u>

Comments:

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-UR-COMP-120508

Lab Sample ID: 580-32844-5

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/08/2012 14:12

Reporting Basis: WET

Date Received: 05/09/2012 15:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	20000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-DR-COMP-120508

Lab Sample ID: 580-32844-10

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/08/2012 14:32

Reporting Basis: WET

Date Received: 05/09/2012 15:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	20000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-RG-COMP-120508

Lab Sample ID: 580-32844-15

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/08/2012 17:28

Reporting Basis: WET

Date Received: 05/09/2012 15:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	23000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-UR-COMP-120508

Lab Sample ID: 580-32844-5

Lab Name: TestAmerica Burlington

Job No.: 580-32844-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/08/2012 14:12

Reporting Basis: WET

Date Received: 05/09/2012 15:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1300	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-DR-COMP-120508

Lab Sample ID: 580-32844-10

Lab Name: TestAmerica Burlington

Job No.: 580-32844-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/08/2012 14:32

Reporting Basis: WET

Date Received: 05/09/2012 15:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1400	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-RG-COMP-120508

Lab Sample ID: 580-32844-15

Lab Name: TestAmerica Burlington

Job No.: 580-32844-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/08/2012 17:28

Reporting Basis: WET

Date Received: 05/09/2012 15:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1200	1000		mg/Kg			1	Lloyd Kahn

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
SDG No.: _____
Analyst: AM Batch Start Date: 06/11/2012
Reporting Units: mg/Kg Analytical Batch No.: 113152

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	18:05	Total Organic Carbon	119000	120000	99	80-120		CaCO3_00002
2	ICB	18:07	Total Organic Carbon	ND					
12	CCV	18:45	Total Organic Carbon	121000	120000	101	80-120		CaCO3_00002
13	CCB	18:47	Total Organic Carbon	ND					
24	CCV	19:33	Total Organic Carbon	121000	120000	101	80-120		CaCO3_00002
25	CCB	19:35	Total Organic Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 580-32844-1
SDG No.: _____
Analyst: AJN Batch Start Date: 05/29/2012
Reporting Units: mg/Kg Analytical Batch No.: 39415

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	11:55	Black Carbon	706000	711000	99	85-115		WCLKCCVs_00006
2	ICB	12:02	Black Carbon	ND					
9	CCV	13:28	Black Carbon	756000	711000	106	85-115		WCLKCCVs_00006
10	CCB	13:35	Black Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 113152 Date: 06/11/2012 18:09							
9060_PSEP	MB 580-113152/3	Total Organic Carbon	ND		mg/Kg	2000	1

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington

Job No.: 580-32844-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 39415 Date: 05/29/2012 12:09							
Lloyd Kahn	MB 200-39415/3	BC Result 1	ND		mg/Kg	1000	1
Lloyd Kahn	MB 200-39415/3	BC Result 2	ND		mg/Kg	1000	1
Lloyd Kahn	MB 200-39415/3	Black Carbon	ND		mg/Kg	1000	1

7A-IN
 LAB CONTROL SAMPLE
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 113152		Date: 06/11/2012 18:11									
						LCS Source: TOCS_LCS_00002					
9060_PS	LCS	Total Organic Carbon	2830		mg/Kg	2720	104	34-166			
EP	580-113152/4										

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 580-32844-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 39415		Date: 05/29/2012 12:22									
						LCS Source: WCBCLCSs_00006					
Lloyd	LCS	Black Carbon	13100		mg/Kg	9900	132	50-150			
Kahn	200-39415/4										

Calculations are performed before rounding to avoid round-off errors in calculated results.

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32844-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP MDL Date: 04/24/2008 14:41

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Total Organic Carbon		2000	608

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32844-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP XMDL Date: 11/01/2009 12:22

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Total Organic Carbon		2000	608

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32844-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: D 2216 RL Date: 01/01/2005 13:13

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 580-32844-1
SDG Number: _____
Matrix: Solid Instrument ID: WCCH2
Method: Lloyd Kahn RL Date: 05/27/2011 10:47

Analyte	Wavelength/ Mass	RL (mg/Kg)	
Black Carbon		1000	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 580-32844-1
SDG Number: _____
Matrix: Solid Instrument ID: WCCH2
Method: Lloyd Kahn XMDL Date: 05/27/2011 10:48

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Black Carbon		1000	110

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 9060_PSEP

Start Date: 06/11/2012 18:05 End Date: 06/11/2012 20:12

Lab Sample ID	D / F	T y p e	Time	Analytes															
				T O C															
ICV 580-113152/1	1		18:05	X															
ZZZZZZ			18:05																
ICB 580-113152/2	1		18:07	X															
MB 580-113152/3	1	T	18:09	X															
LCS 580-113152/4	1	T	18:11	X															
ZZZZZZ			18:16																
ZZZZZZ			18:20																
ZZZZZZ			18:24																
ZZZZZZ			18:28																
ZZZZZZ			18:33																
ZZZZZZ			18:35																
ZZZZZZ			18:40																
CCV 580-113152/12	1		18:45	X															
CCB 580-113152/13	1		18:47	X															
ZZZZZZ			18:49																
ZZZZZZ			18:53																
ZZZZZZ			18:58																
580-32844-5	1	T	19:02	X															
580-32844-10	1	T	19:06	X															
580-32844-15	1	T	19:10	X															
ZZZZZZ			19:15																
ZZZZZZ			19:19																
ZZZZZZ			19:23																
ZZZZZZ			19:28																
CCV 580-113152/24	1		19:33	X															
CCB 580-113152/25	1		19:35	X															
ZZZZZZ			19:38																
ZZZZZZ			19:42																
ZZZZZZ			19:47																
ZZZZZZ			19:52																
ZZZZZZ			19:57																
ZZZZZZ			20:01																
CCV 580-113152/32			20:10																
CCB 580-113152/33			20:12																

Prep Types
T = Total/NA

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICV		0.2082	TA SOIL LINNEAR	6/11/2012 6:05:00 PM	11.85	E08

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICB		0.1921	TA SOIL LINNEAR	6/11/2012 6:07:13 PM	-0.01494	E09

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
MB		0.2289	TA SOIL LINNEAR	6/11/2012 6:09:26 PM	-0.01515	E10

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
LCSCRM		0.1915	TA SOIL LINNEAR	6/11/2012 6:11:38 PM	0.2828	A01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-7 msd		0.1561	0.1124 TA SOIL LINNEAR	6/11/2012 6:14:09 PM	7.438	A02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-3		0.0996	TA SOIL LINNEAR	6/11/2012 6:16:20 PM	0.7982	A03
33192-A-3		0.1002	TA SOIL LINNEAR	6/11/2012 6:18:17 PM	0.8087	A04
Average		0.0999			0.8034	
Std. Deviation		0.0004			0.00741	
RSD		0.425			0.922	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4		0.1069	TA SOIL LINNEAR	6/11/2012 6:20:28 PM	0.7747	A05
33192-A-4		0.0999	TA SOIL LINNEAR	6/11/2012 6:22:39 PM	0.7627	A06
Average		0.1034			0.7687	
Std. Deviation		0.005			0.00848	
RSD		4.787			1.103	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4 dup		0.0983	TA SOIL LINNEAR	6/11/2012 6:24:50 PM	0.7951	A07
33192-A-4 dup		0.0962	TA SOIL LINNEAR	6/11/2012 6:26:47 PM	0.7897	A08
Average		0.0973			0.7924	
Std. Deviation		0.001			0.00385	
RSD		1.527			0.486	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4 trip		0.1086	TA SOIL LINNEAR	6/11/2012 6:28:58 PM	0.8594	A09
33192-A-4 trip		0.0970	TA SOIL LINNEAR	6/11/2012 6:30:54 PM	0.8176	A10
Average		0.1028			0.8385	
Std. Deviation		0.008			0.02957	
RSD		7.979			3.526	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4 ms	0.1027	0.1144	TA SOIL LINNEAR	6/11/2012 6:33:16 PM	11.80	B01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4 msd	0.1908	0.1171	TA SOIL LINNEAR	6/11/2012 6:35:56 PM	21.06	B02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-5		0.1148	TA SOIL LINNEAR	6/11/2012 6:40:30 PM	0.8209	B03
33192-A-5		0.1052	TA SOIL LINNEAR	6/11/2012 6:42:41 PM	0.8639	B04
Average		0.1100			0.8424	
Std. Deviation		0.007			0.03040	
RSD		6.171			3.609	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-1		0.1171	TA SOIL LINNEAR	6/11/2012 6:45:16 PM	12.11	B05

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-1		0.2116	TA SOIL LINNEAR	6/11/2012 6:47:27 PM	-0.003191	B06

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33209-A-1		0.1109	TA SOIL LINNEAR	6/11/2012 6:49:38 PM	1.275	B07
33209-A-1		0.0996	TA SOIL LINNEAR	6/11/2012 6:51:49 PM	1.295	B08
Average		0.1053			1.285	
Std. Deviation		0.008			0.0142	
RSD		7.592			1.102	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33209-A-2		0.1073	TA SOIL LINNEAR	6/11/2012 6:53:46 PM	1.226	B09
33209-A-2		0.1103	TA SOIL LINNEAR	6/11/2012 6:55:58 PM	1.041	B10
Average		0.1088			1.133	
Std. Deviation		0.002			0.1306	
RSD		1.950			11.53	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33209-A-3		0.1119	TA SOIL LINNEAR	6/11/2012 6:58:09 PM	1.105	C01
33209-A-3		0.0982	TA SOIL LINNEAR	6/11/2012 8:08:05 PM	1.147	A04
Average		0.1051			1.126	
Std. Deviation		0.010			0.0294	
RSD		9.222			2.606	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32844-A-5		0.1990	TA SOIL LINNEAR	6/11/2012 7:02:17 PM	2.028	C03
32844-A-5		0.1977	TA SOIL LINNEAR	6/11/2012 7:04:28 PM	2.013	C04
Average		0.1984			2.021	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
Std. Deviation		0.0009			0.0107	
RSD		0.463			0.531	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32844-A-10		0.2064	TA SOIL LINNEAR	6/11/2012 7:06:28 PM	2.038	C05
32844-A-10		0.2153	TA SOIL LINNEAR	6/11/2012 7:08:39 PM	2.020	C06
Average		0.2108			2.029	
Std. Deviation		0.006			0.0124	
RSD		2.985			0.609	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32844-A-15		0.1966	TA SOIL LINNEAR	6/11/2012 7:10:37 PM	2.215	C07
32844-A-15		0.1996	TA SOIL LINNEAR	6/11/2012 7:12:49 PM	2.407	C08
Average		0.1981			2.311	
Std. Deviation		0.002			0.1361	
RSD		1.071			5.888	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32847-A-5		0.2112	TA SOIL LINNEAR	6/11/2012 7:15:00 PM	0.6676	C09
32847-A-5		0.2022	TA SOIL LINNEAR	6/11/2012 7:17:11 PM	0.8198	C10
Average		0.2067			0.7437	
Std. Deviation		0.006			0.10759	
RSD		3.079			14.47	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42223-A-15		0.1965	TA SOIL LINNEAR	6/11/2012 7:19:11 PM	1.745	D01
720-42223-A-15		0.1987	TA SOIL LINNEAR	6/11/2012 7:21:22 PM	1.825	D02
Average		0.1976			1.785	
Std. Deviation		0.002			0.0562	
RSD		0.787			3.150	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42242-A-1		0.2038	TA SOIL LINNEAR	6/11/2012 7:23:44 PM	0.3551	D03
720-42242-A-1		0.1987	TA SOIL LINNEAR	6/11/2012 7:26:06 PM	0.3288	D04
Average		0.2012			0.3420	
Std. Deviation		0.004			0.01860	
RSD		1.792			5.440	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42242-A-6		0.2179	TA SOIL LINNEAR	6/11/2012 7:28:29 PM	0.2799	D05
720-42242-A-6		0.2009	TA SOIL LINNEAR	6/11/2012 7:30:56 PM	0.2810	D06
Average		0.2094			0.2804	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
Std. Deviation		0.01			0.00077	
RSD		5.741			0.275	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-2		0.1066	TA SOIL LINNEAR	6/11/2012 7:33:36 PM	12.12	D07

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-2		0.2045	TA SOIL LINNEAR	6/11/2012 7:35:47 PM	0.04832	D08

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42243-A-1		0.2136	TA SOIL LINNEAR	6/11/2012 7:38:14 PM	0.3706	D09
720-42243-A-1		0.2129	TA SOIL LINNEAR	6/11/2012 7:40:37 PM	0.3626	D10
Average		0.2133			0.3666	
Std. Deviation		0.0005			0.00571	
RSD		0.232			1.557	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42243-A-6		0.2174	TA SOIL LINNEAR	6/11/2012 7:42:59 PM	0.3195	E01
720-42243-A-6		0.2162	TA SOIL LINNEAR	6/11/2012 7:45:24 PM	0.3252	E02
Average		0.2168			0.3223	
Std. Deviation		0.0008			0.00406	
RSD		0.391			1.260	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42244-A-1		0.1986	TA SOIL LINNEAR	6/11/2012 7:47:37 PM	0.3033	E03
720-42244-A-1		0.2097	TA SOIL LINNEAR	6/11/2012 7:50:00 PM	0.3256	E04
Average		0.2041			0.3145	
Std. Deviation		0.008			0.01577	
RSD		3.845			5.015	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42244-A-6		0.1980	TA SOIL LINNEAR	6/11/2012 7:52:29 PM	0.2499	E05
720-42244-A-6		0.2148	TA SOIL LINNEAR	6/11/2012 7:54:58 PM	0.2909	E06
Average		0.2064			0.2704	
Std. Deviation		0.01			0.02898	
RSD		5.756			10.72	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42245-A-1		0.2063	TA SOIL LINNEAR	6/11/2012 7:57:09 PM	2.628	E07
720-42245-A-1		0.1989	TA SOIL LINNEAR	6/11/2012 7:59:07 PM	2.406	E08
Average		0.2026			2.517	
Std. Deviation		0.005			0.1570	
RSD		2.583			6.237	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42245-A-6		0.2016	TA SOIL LINNEAR	6/11/2012 8:01:21 PM	0.9296	E09
720-42245-A-6		0.2005	TA SOIL LINNEAR	6/11/2012 8:03:32 PM	1.159	E10
Average		0.2011			1.044	
Std. Deviation		0.0008			0.1625	
RSD		0.387			15.56	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-3		0.1065	TA SOIL LINNEAR	6/11/2012 8:10:44 PM	12.17	A02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-3		0.1942	TA SOIL LINNEAR	6/11/2012 8:12:55 PM	-0.008384	A03

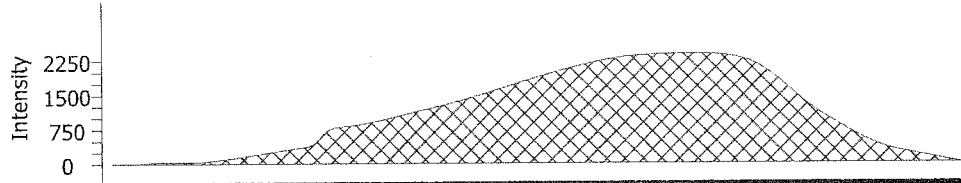
Element	Average	Std. Deviation	RSD	Count
Mass	0.1655	0.05	29.86	55
Carbon %	2.413	4.2288	175.3	55

SC632

ICV

Name	Description	Mass	Method
ICV		0.2082	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:05:00 PM	E08		

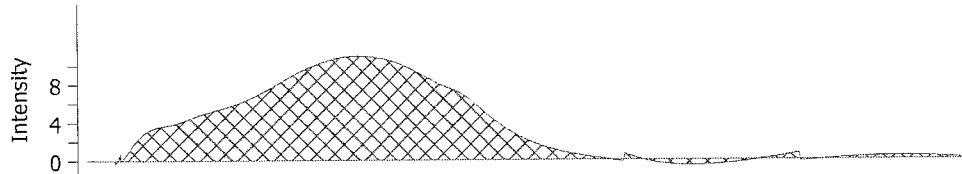
Carbon %
11.85



ICB

Name	Description	Mass	Method
ICB		0.1921	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:07:13 PM	E09		

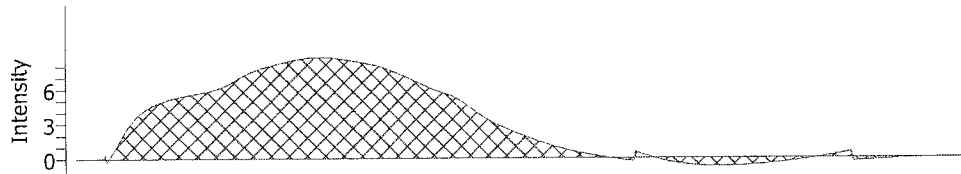
Carbon %
-0.01494



MB

Name	Description	Mass	Method
MB		0.2289	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:09:26 PM	E10		

Carbon %
-0.01515

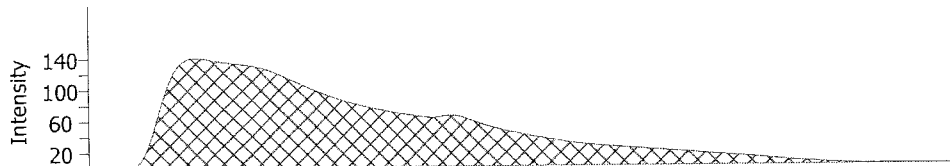


SC632

LCSCRM

Name	Description	Mass	Method
LCSCRM		0.1915	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:11:38 PM		A01	

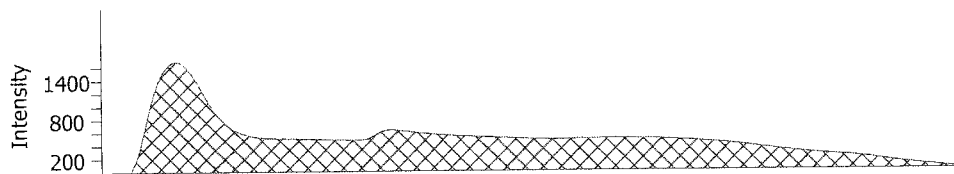
Carbon %
0.2828



32803-A-7 msd

Name	Description	Mass	Method
32803-A-7 msd	0.1561	0.1124	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:14:09 PM		A02	

Carbon %
7.438



33192-A-3

Name	Description	Mass	Method
33192-A-3		0.0996	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:16:20 PM		A03	

Carbon %
0.7982

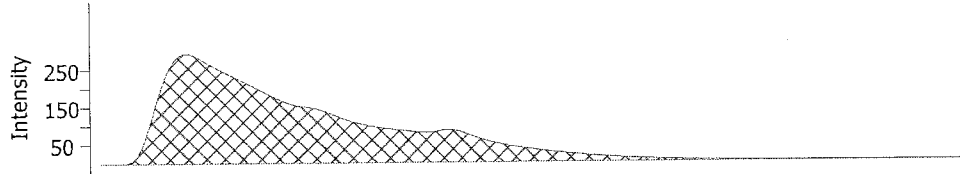


SC632

33192-A-3

Name	Description	Mass	Method
33192-A-3		0.1002	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:18:17 PM	A04		

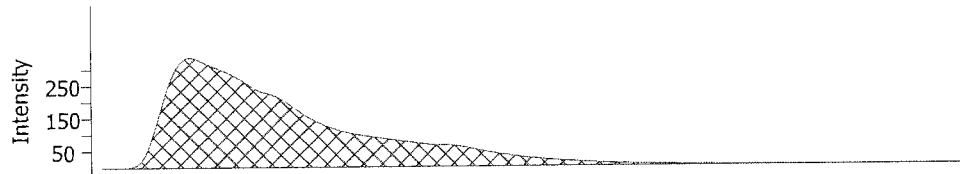
Carbon %
0.8087



33192-A-4

Name	Description	Mass	Method
33192-A-4		0.1069	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:20:28 PM	A05		

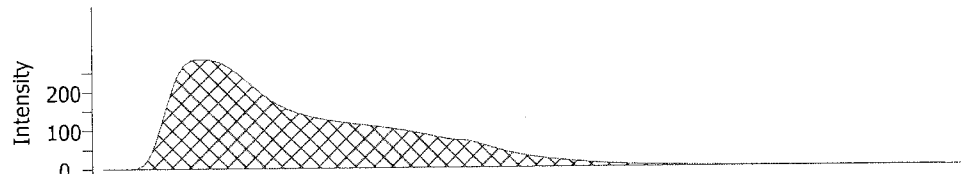
Carbon %
0.7747



33192-A-4

Name	Description	Mass	Method
33192-A-4		0.0999	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:22:39 PM	A06		

Carbon %
0.7627

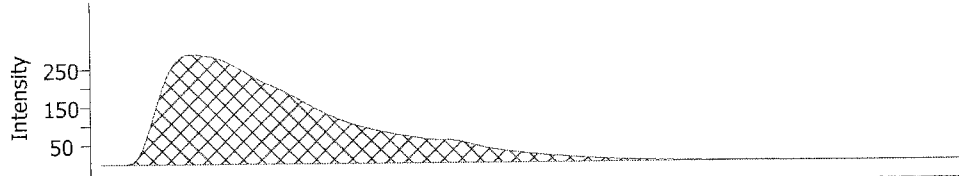


SC632

33192-A-4 dup

Name	Description	Mass	Method
33192-A-4 dup		0.0983	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:24:50 PM		A07	

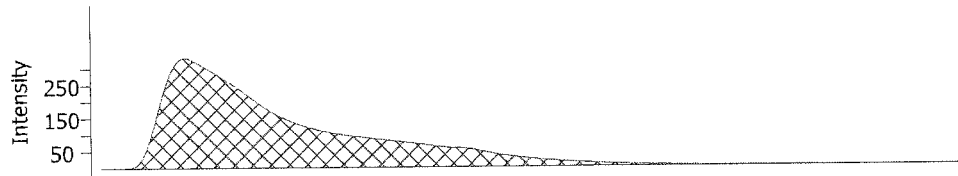
Carbon %
0.7951



33192-A-4 dup

Name	Description	Mass	Method
33192-A-4 dup		0.0962	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:26:47 PM		A08	

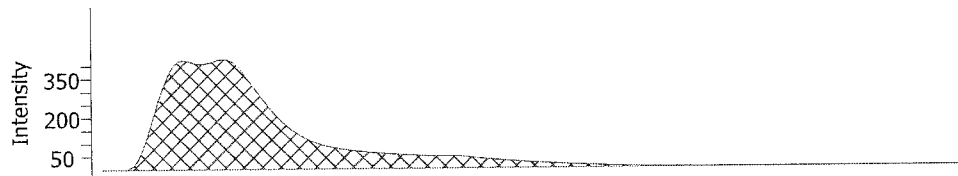
Carbon %
0.7897



33192-A-4 trip

Name	Description	Mass	Method
33192-A-4 trip		0.1086	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:28:58 PM		A09	

Carbon %
0.8594

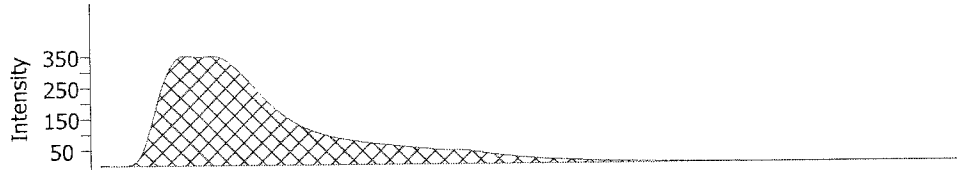


SC632

33192-A-4 trip

Name	Description	Mass	Method
33192-A-4 trip		0.0970	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:30:54 PM		A10	

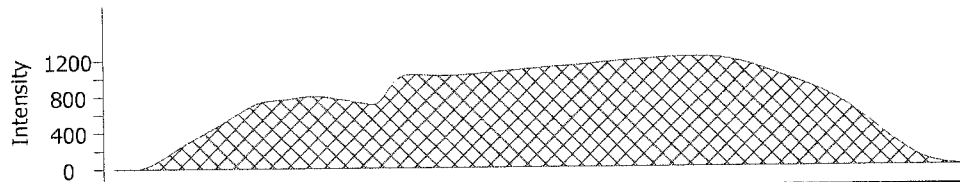
Carbon %
0.8176



33192-A-4 ms

Name	Description	Mass	Method
33192-A-4 ms	0.1027	0.1144	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:33:16 PM		B01	

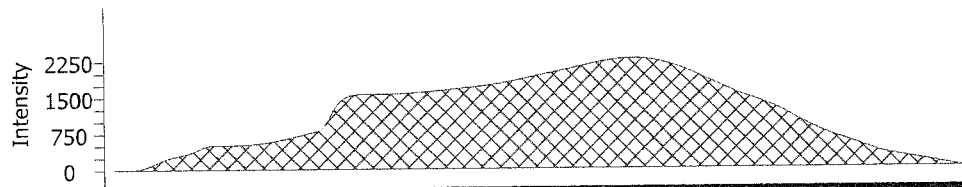
Carbon %
11.80



33192-A-4 msd

Name	Description	Mass	Method
33192-A-4 msd	0.1908	0.1171	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:35:56 PM		B02	

Carbon %
21.06

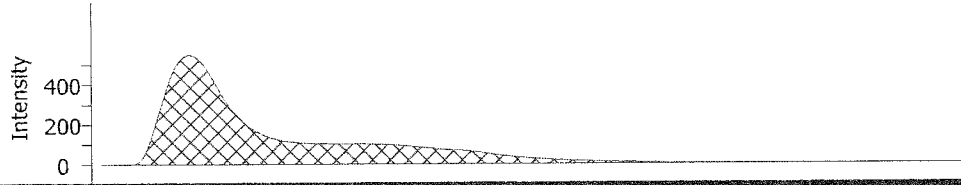


SC632

33192-A-5

Name	Description	Mass	Method
33192-A-5		0.1148	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:40:30 PM	B03		

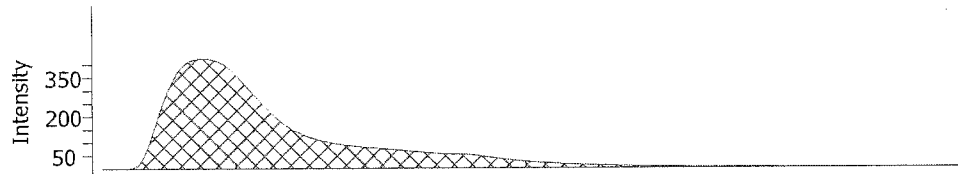
Carbon %
0.8209



33192-A-5

Name	Description	Mass	Method
33192-A-5		0.1052	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:42:41 PM	B04		

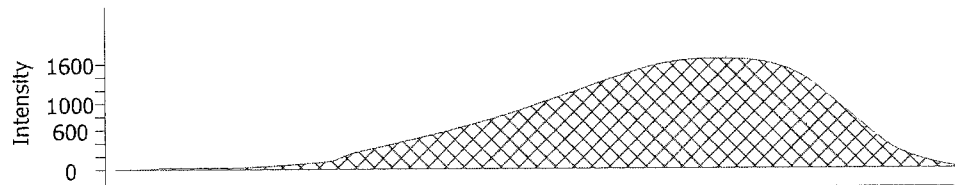
Carbon %
0.8639



CCV-1

Name	Description	Mass	Method
CCV-1		0.1171	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:45:16 PM	B05		

Carbon %
12.11

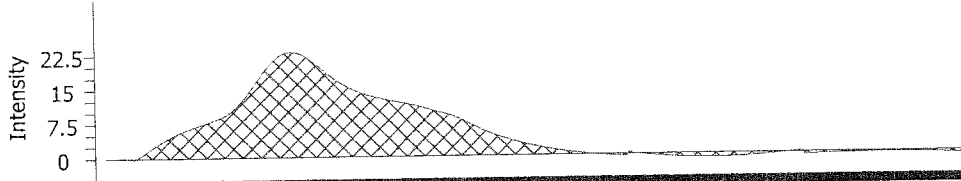


SC632

CCB-1

Name	Description	Mass	Method
CCB-1		0.2116	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:47:27 PM		B06	

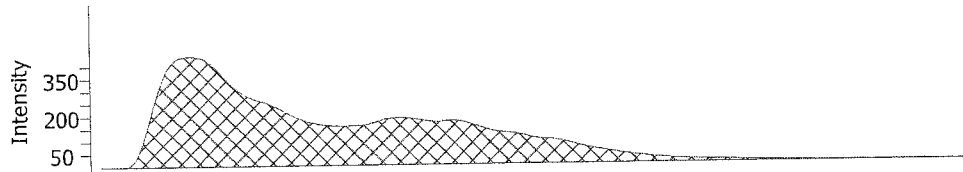
Carbon %
-0.003191



33209-A-1

Name	Description	Mass	Method
33209-A-1		0.1109	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:49:38 PM		B07	

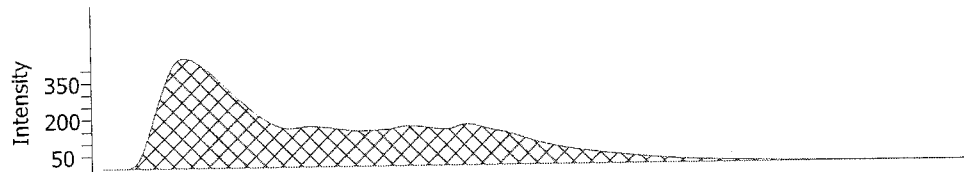
Carbon %
1.275



33209-A-1

Name	Description	Mass	Method
33209-A-1		0.0996	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:51:49 PM		B08	

Carbon %
1.295

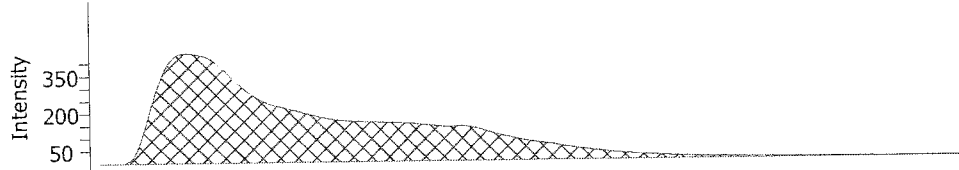


SC632

33209-A-2

Name	Description	Mass	Method
33209-A-2		0.1073	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:53:46 PM	B09		

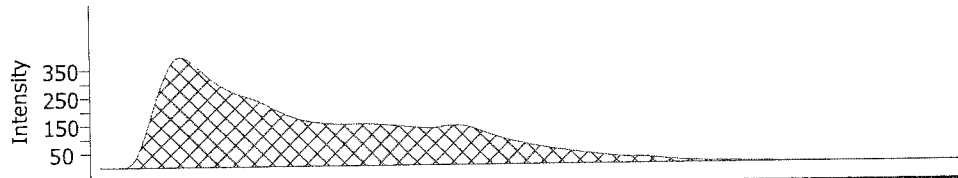
Carbon %
1.226



33209-A-2

Name	Description	Mass	Method
33209-A-2		0.1103	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:55:58 PM	B10		

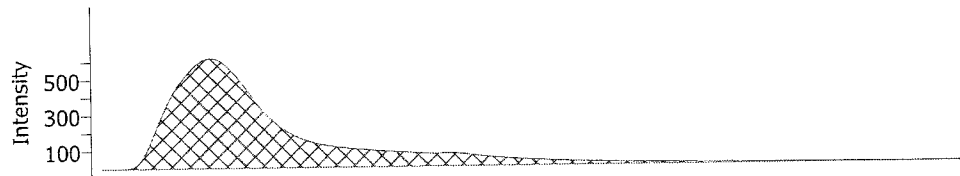
Carbon %
1.041



33209-A-3

Name	Description	Mass	Method
33209-A-3		0.1119	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:58:09 PM	C01		

Carbon %
1.105

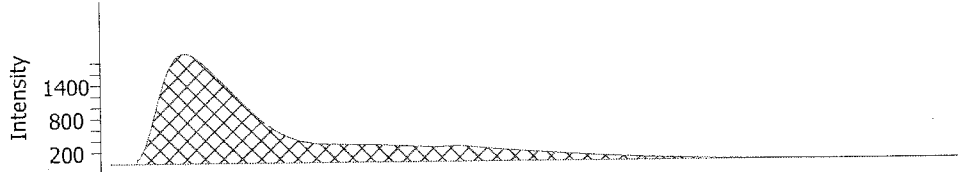


SC632

32844-A-5

Name	Description	Mass	Method
32844-A-5		0.1990	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:02:17 PM	C03		

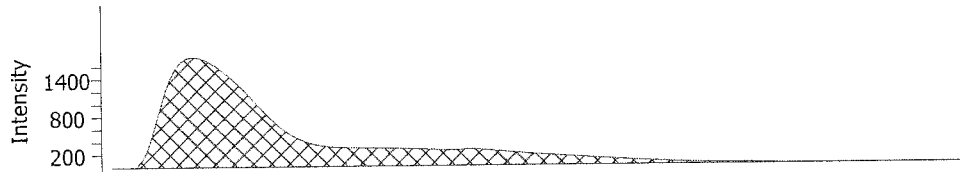
Carbon %
2.028



32844-A-5

Name	Description	Mass	Method
32844-A-5		0.1977	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:04:28 PM	C04		

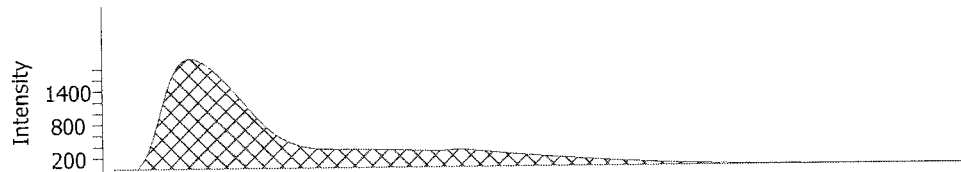
Carbon %
2.013



32844-A-10

Name	Description	Mass	Method
32844-A-10		0.2064	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:06:28 PM	C05		

Carbon %
2.038

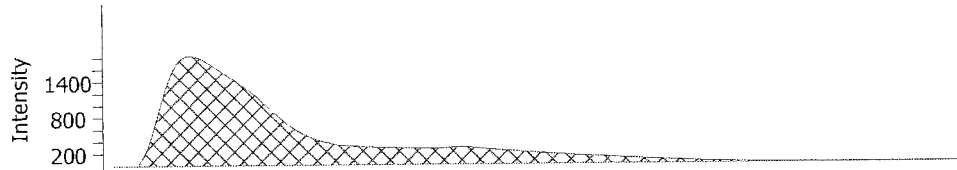


SC632

32844-A-10

Name	Description	Mass	Method
32844-A-10		0.2153	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:08:39 PM	C06		

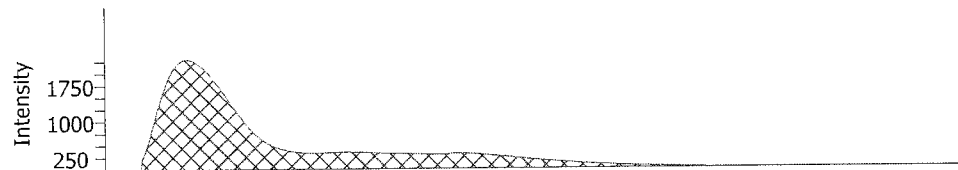
Carbon %
2.020



32844-A-15

Name	Description	Mass	Method
32844-A-15		0.1966	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:10:37 PM	C07		

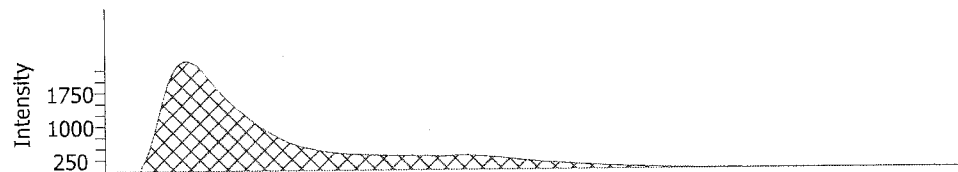
Carbon %
2.215



32844-A-15

Name	Description	Mass	Method
32844-A-15		0.1996	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:12:49 PM	C08		

Carbon %
2.407

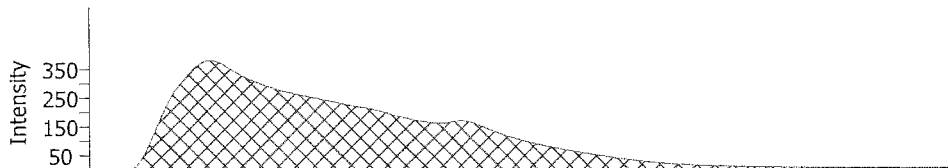


SC632

32847-A-5

Name	Description	Mass	Method
32847-A-5		0.2112	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:15:00 PM	C09		

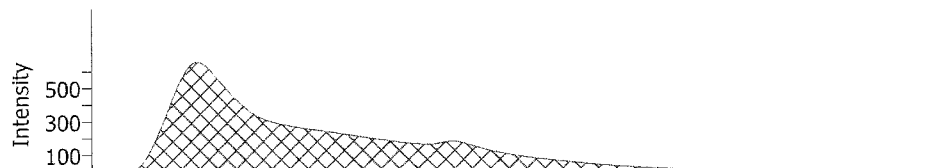
Carbon %
0.6676



32847-A-5

Name	Description	Mass	Method
32847-A-5		0.2022	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:17:11 PM	C10		

Carbon %
0.8198



720-42223-A-15

Name	Description	Mass	Method
720-42223-A-15		0.1965	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:19:11 PM	D01		

Carbon %
1.745

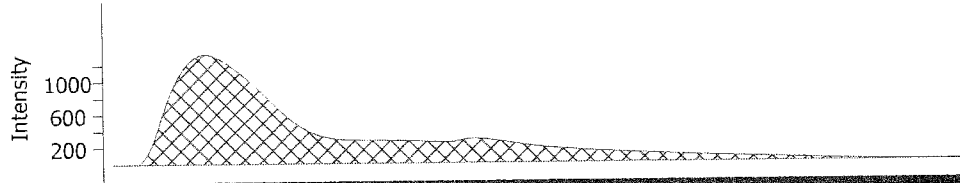


SC632

720-42223-A-15

Name	Description	Mass	Method
720-42223-A-15		0.1987	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:21:22 PM	D02		

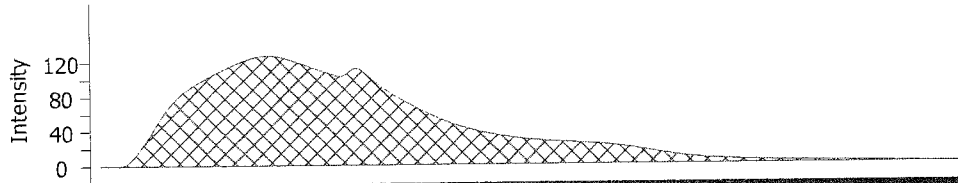
Carbon %
1.825



720-42242-A-1

Name	Description	Mass	Method
720-42242-A-1		0.2038	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:23:44 PM	D03		

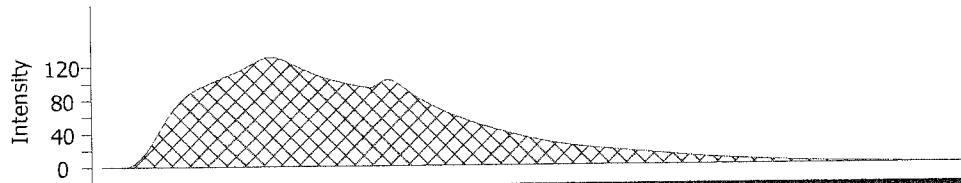
Carbon %
0.3551



720-42242-A-1

Name	Description	Mass	Method
720-42242-A-1		0.1987	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:26:06 PM	D04		

Carbon %
0.3288

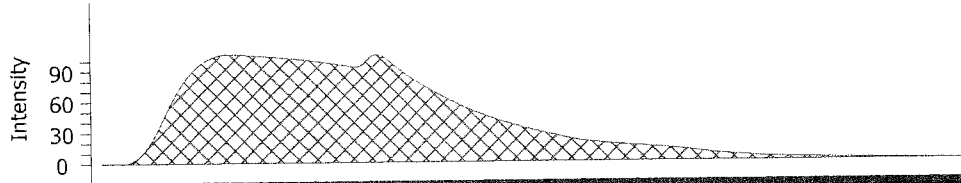


SC632

720-42242-A-6

Name	Description	Mass	Method
720-42242-A-6		0.2179	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:28:29 PM	D05		

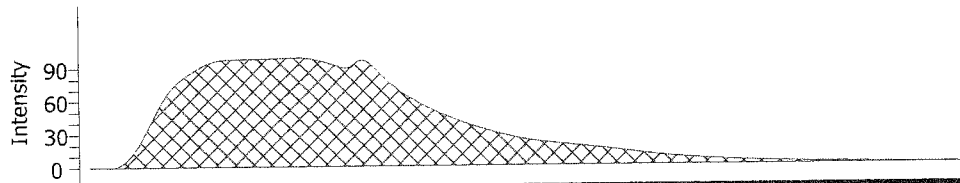
Carbon %
0.2799



720-42242-A-6

Name	Description	Mass	Method
720-42242-A-6		0.2009	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:30:56 PM	D06		

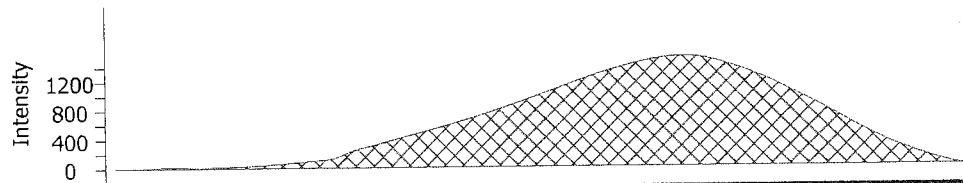
Carbon %
0.2810



CCV-2

Name	Description	Mass	Method
CCV-2		0.1066	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:33:36 PM	D07		

Carbon %
12.12

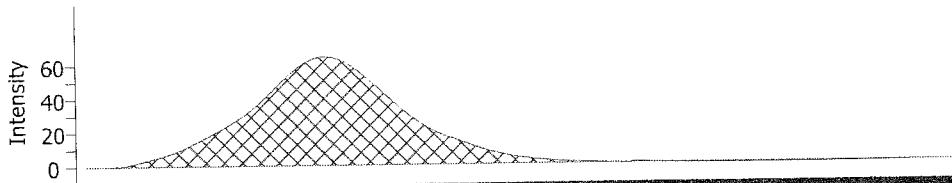


SC632

CCB-2

Name	Description	Mass	Method
CCB-2		0.2045	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:35:47 PM		D08	

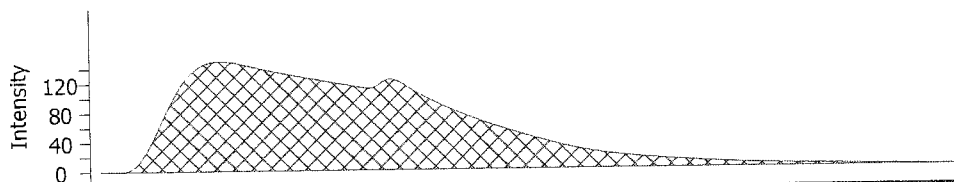
Carbon %
0.04832



720-42243-A-1

Name	Description	Mass	Method
720-42243-A-1		0.2136	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:38:14 PM		D09	

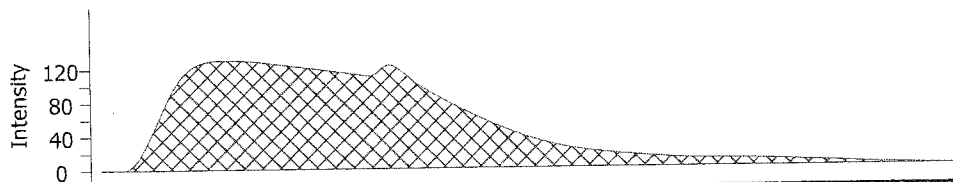
Carbon %
0.3706



720-42243-A-1

Name	Description	Mass	Method
720-42243-A-1		0.2129	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:40:37 PM		D10	

Carbon %
0.3626

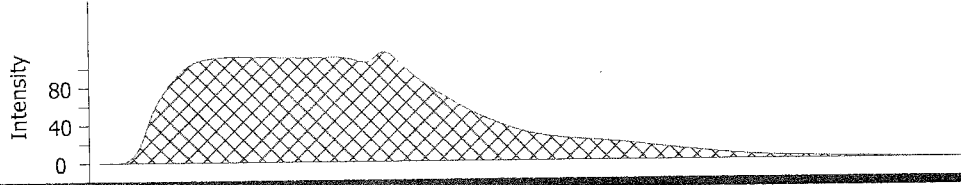


SC632

720-42243-A-6

Name	Description	Mass	Method
720-42243-A-6		0.2174	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:42:59 PM		E01	

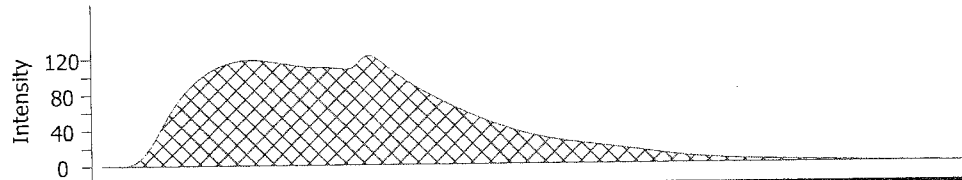
Carbon %
0.3195



720-42243-A-6

Name	Description	Mass	Method
720-42243-A-6		0.2162	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:45:24 PM		E02	

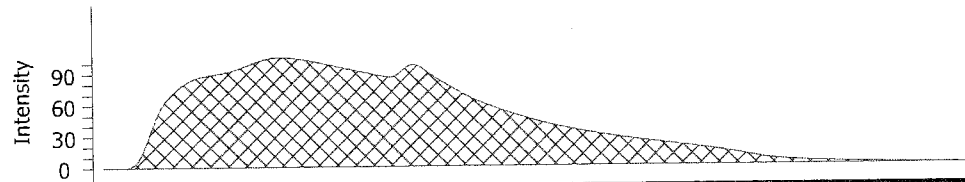
Carbon %
0.3252



720-42244-A-1

Name	Description	Mass	Method
720-42244-A-1		0.1986	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:47:37 PM		E03	

Carbon %
0.3033

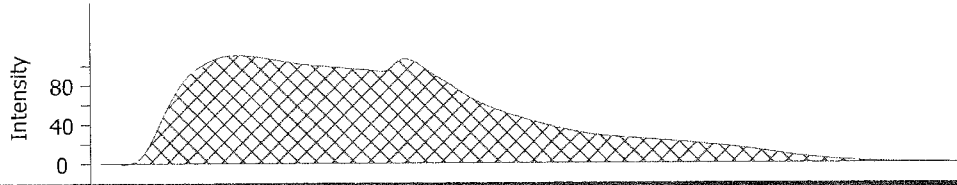


SC632

720-42244-A-1

Name	Description	Mass	Method
720-42244-A-1		0.2097	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:50:00 PM	E04		

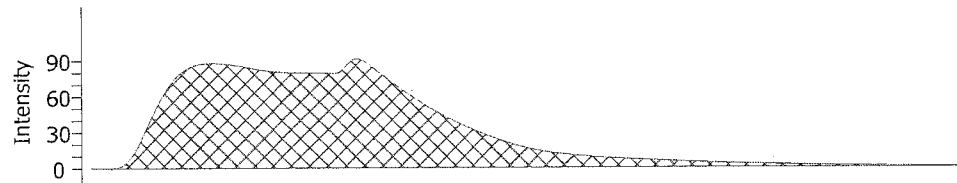
Carbon %
0.3256



720-42244-A-6

Name	Description	Mass	Method
720-42244-A-6		0.1980	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:52:29 PM	E05		

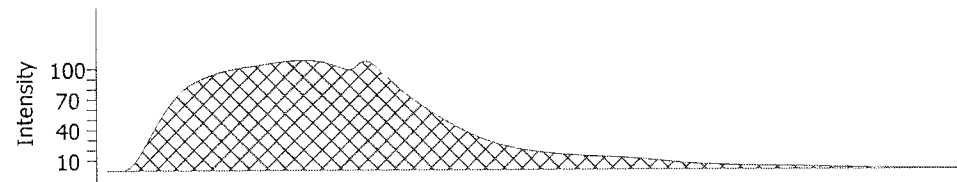
Carbon %
0.2499



720-42244-A-6

Name	Description	Mass	Method
720-42244-A-6		0.2148	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:54:58 PM	E06		

Carbon %
0.2909

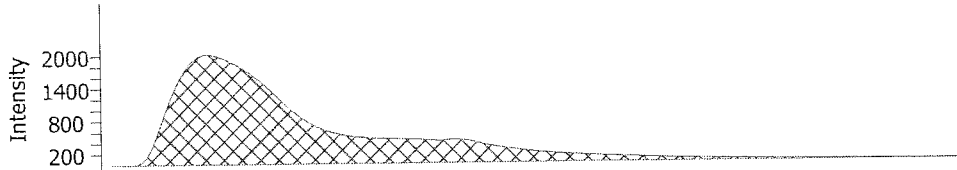


SC632

720-42245-A-1

Name	Description	Mass	Method
720-42245-A-1		0.2063	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:57:09 PM		E07	

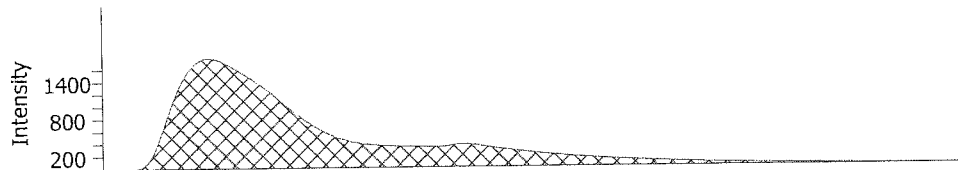
Carbon %
2.628



720-42245-A-1

Name	Description	Mass	Method
720-42245-A-1		0.1989	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:59:07 PM		E08	

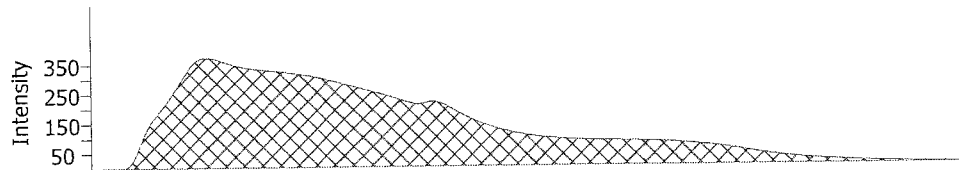
Carbon %
2.406



720-42245-A-6

Name	Description	Mass	Method
720-42245-A-6		0.2016	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 8:01:21 PM		E09	

Carbon %
0.9296

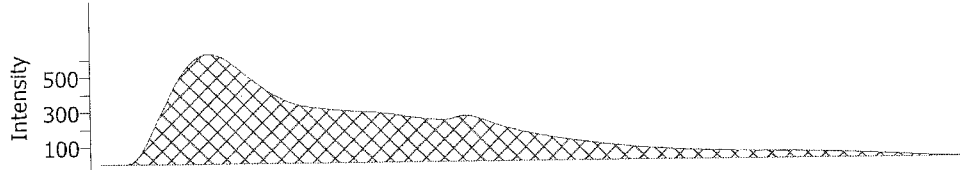


SC632

720-42245-A-6

Name	Description	Mass	Method
720-42245-A-6		0.2005	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 8:03:32 PM		E10	

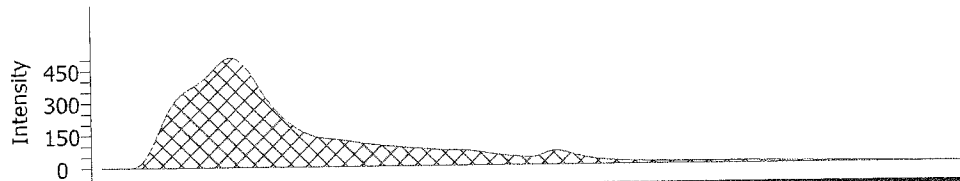
Carbon %
1.159



33209-A-3

Name	Description	Mass	Method
33209-A-3		0.0982	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 8:08:05 PM		A04	

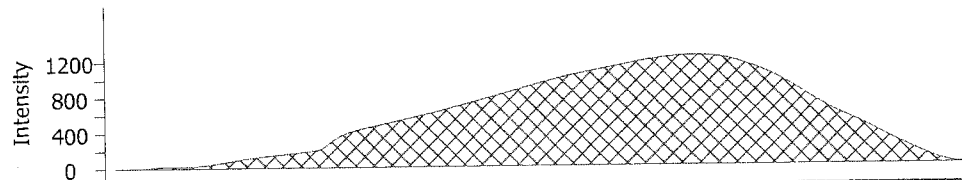
Carbon %
1.147



CCV-3

Name	Description	Mass	Method
CCV-3		0.1065	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 8:10:44 PM		A02	

Carbon %
12.17

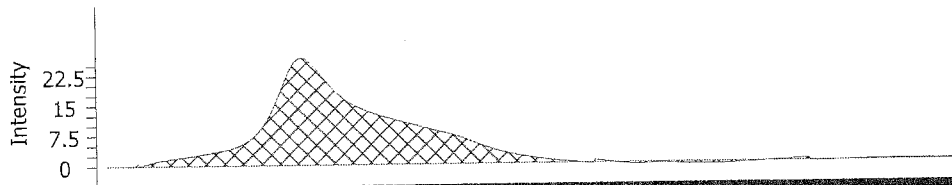


SC632

CCB-3

Name	Description	Mass	Method
CCB-3		0.1942	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 8:12:55 PM	A03		

Carbon %
-0.008384



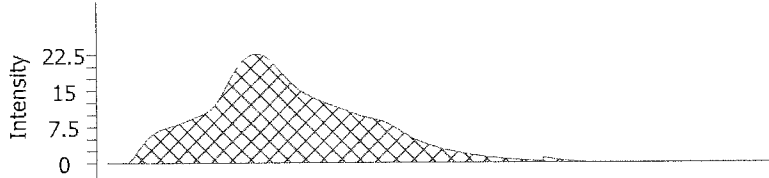
Element	Average	Std. Deviation	RSD	Count
Mass	0.1655	0.05	29.86	55
Carbon %	2.413	4.2288	175.3	55

SC632

Blank

Name	Description	Mass	Method
Blank		1.0000	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:45:34 AM		C03	

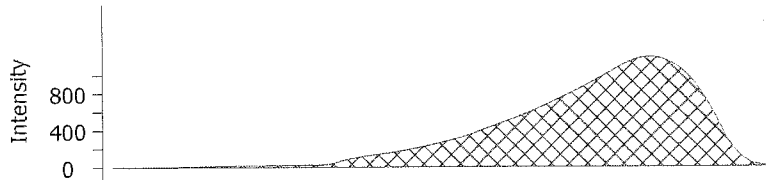
Carbon %
0.000000005442



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0502	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:47:52 AM		C04	

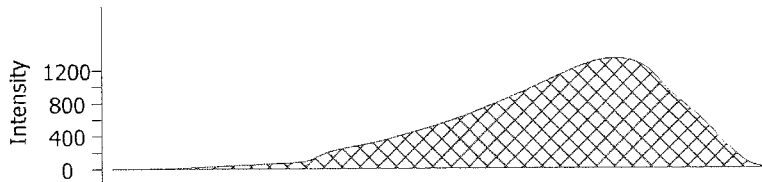
Carbon %
11.92



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0754	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:50:18 AM		C05	

Carbon %
11.88

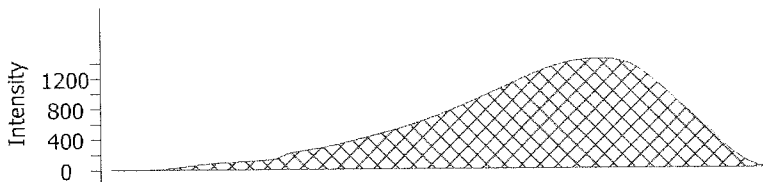


SC632

501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1015	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:52:58 AM		C06	

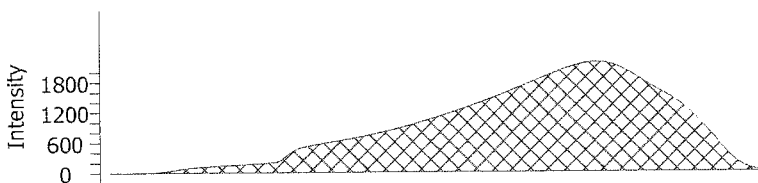
Carbon %
11.96



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1514	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:55:34 AM		C07	

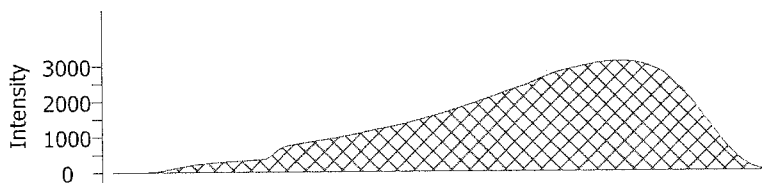
Carbon %
12.02



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.2513	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:58:17 AM		C08	

Carbon %
12.06

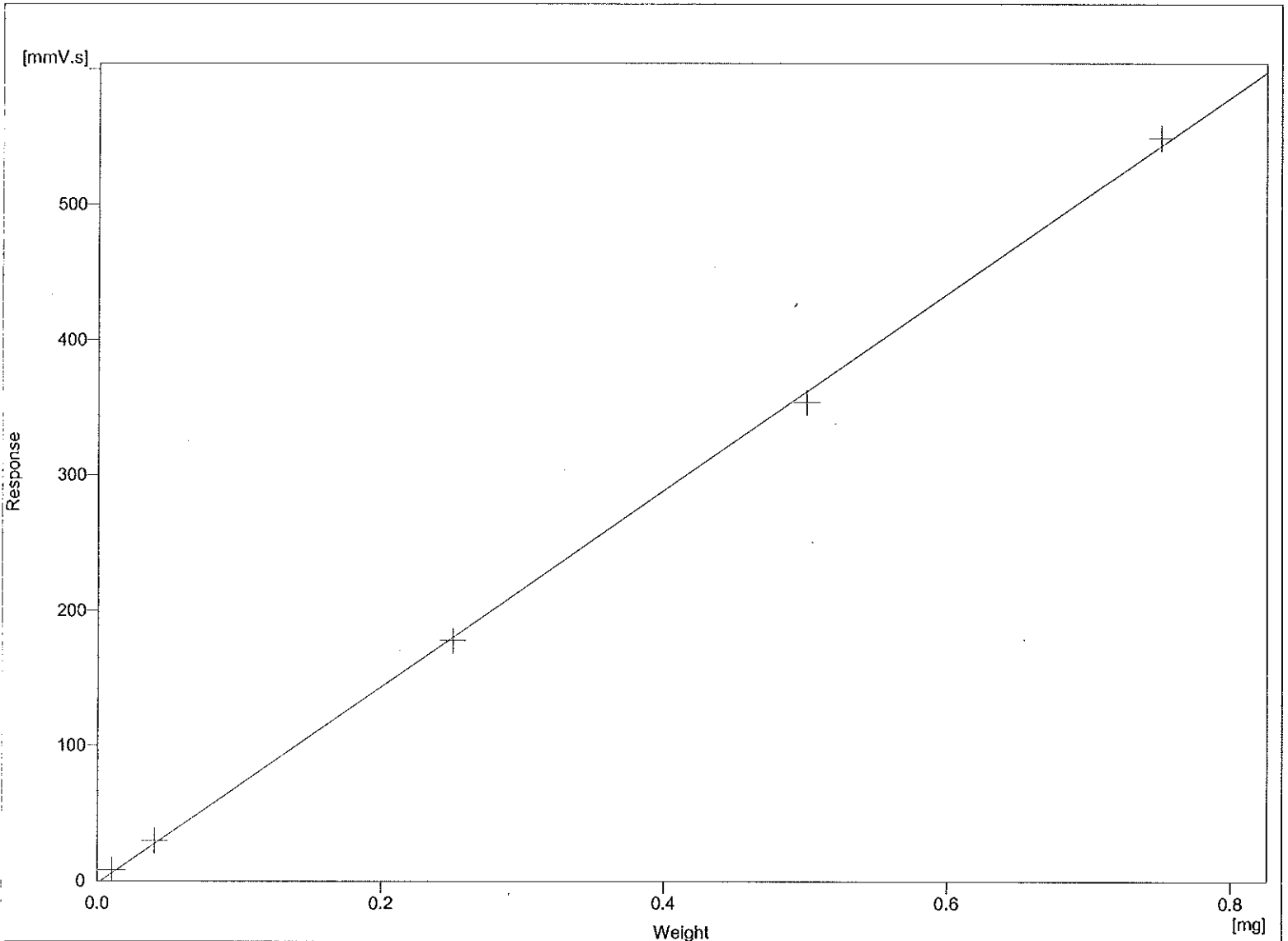


Element	Average	Std. Deviation	RSD	Count
Mass	0.2716	0.4	133.9	6
Carbon %	9.973	4.8861	48.99	6

Lloyd Kahn TOC
Instrument #2
 Calibration
 Carbon - 1.316 min.

Peak Type : Refer
 Left Window : 0.3 min
 Right Window : 0.6 min
 Response Base : Area
 Curve Fit Type : Linear
 Zero Type : Zero not used
 Subst. Equation : $Y = 725.7893 \cdot X - 1.5058$
 Correlation Coef. : 0.999729

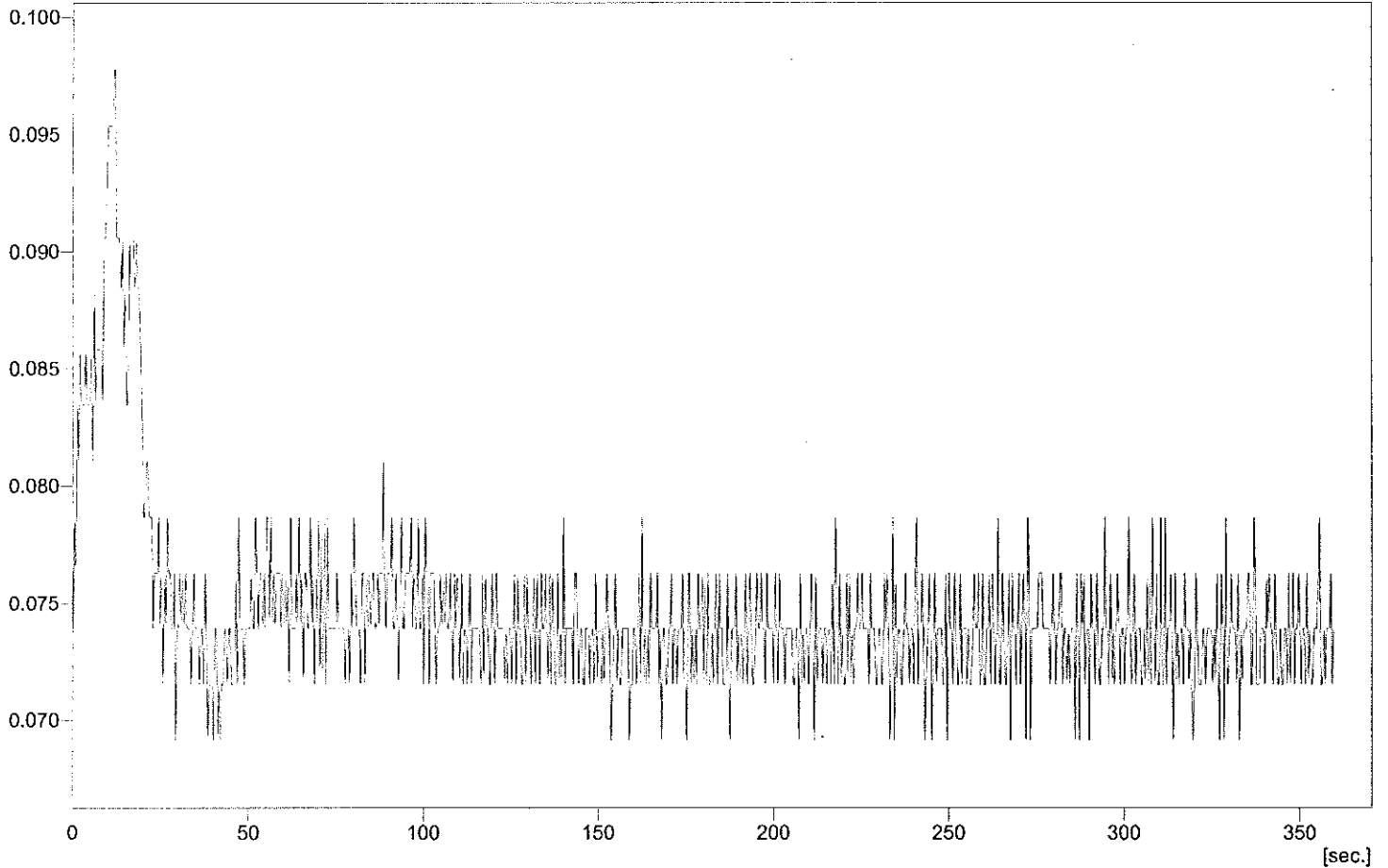
	Response	Weight	Resp. Factor	Used
1	0.000	0.000	0.0000	Yes
2	7.922	0.010	0.0013	Yes
3	29.804	0.040	0.0013	Yes
4	177.739	0.250	0.0014	Yes
5	353.915	0.501	0.0014	Yes
6	549.441	0.751	0.0014	Yes
7	0.000	0.000	0.0000	Yes
8	0.000	0.000	0.0000	Yes
9	0.000	0.000	0.0000	Yes
10	0.000	0.000	0.0000	Yes
11	0.000	0.000	0.0000	Yes
12	0.000	0.000	0.0000	Yes
13	0.000	0.000	0.0000	Yes
14	0.000	0.000	0.0000	Yes
15	0.000	0.000	0.0000	Yes
16	0.000	0.000	0.0000	Yes
17	0.000	0.000	0.0000	Yes
18	0.000	0.000	0.0000	Yes
19	0.000	0.000	0.0000	Yes
20	0.000	1.00e-04	0.0000	Yes



**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:01:09 PM
 Project : WORK2
 Weight : 0 mg
 Sample : STD1
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z001



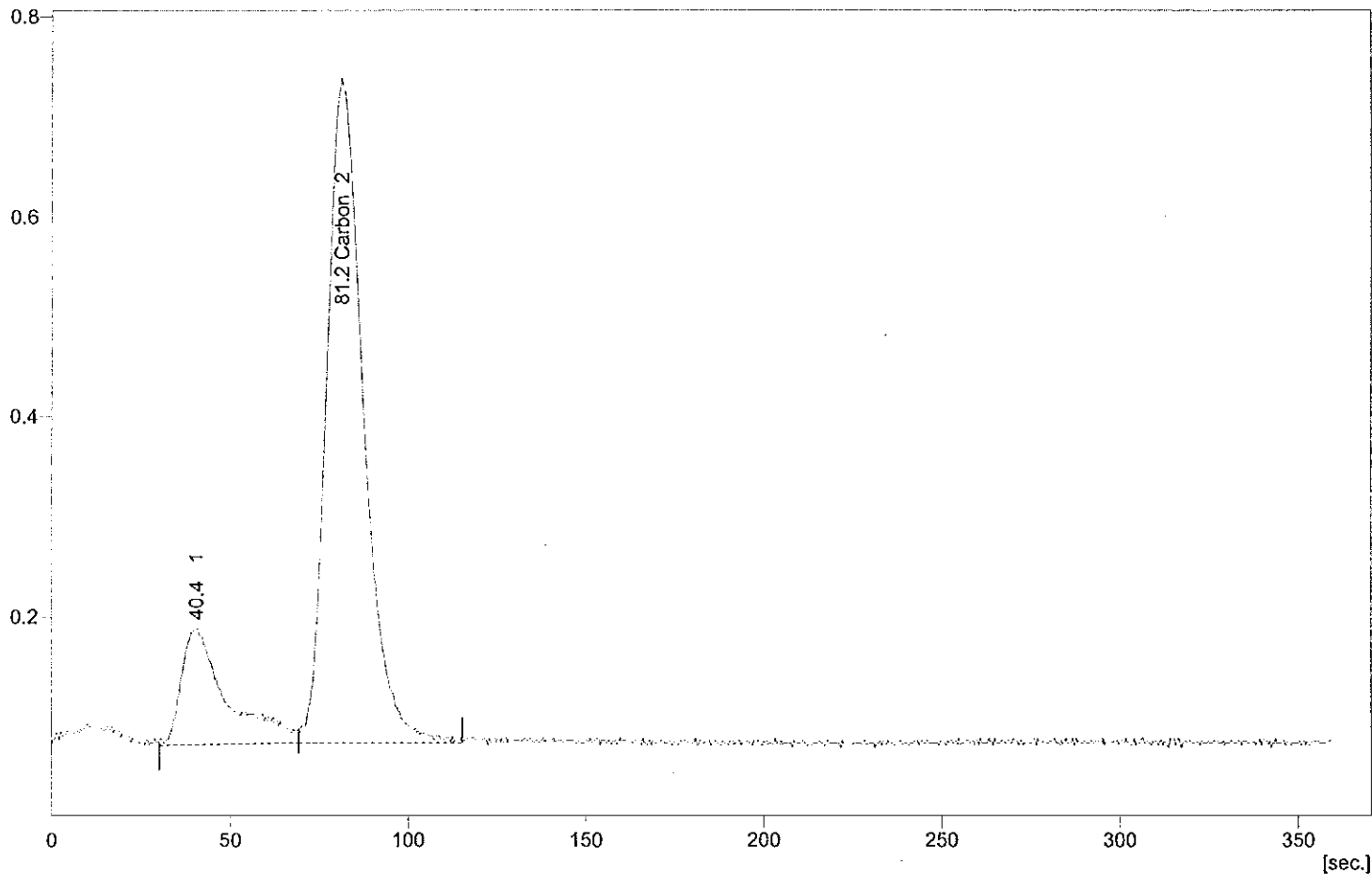
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.333						Refer
	Total	0.000	100.0	0.000	100.0000		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:07:46 PM
 Project : WORK2
 Weight : 0.0213 mg
 Sample : STD2
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z002



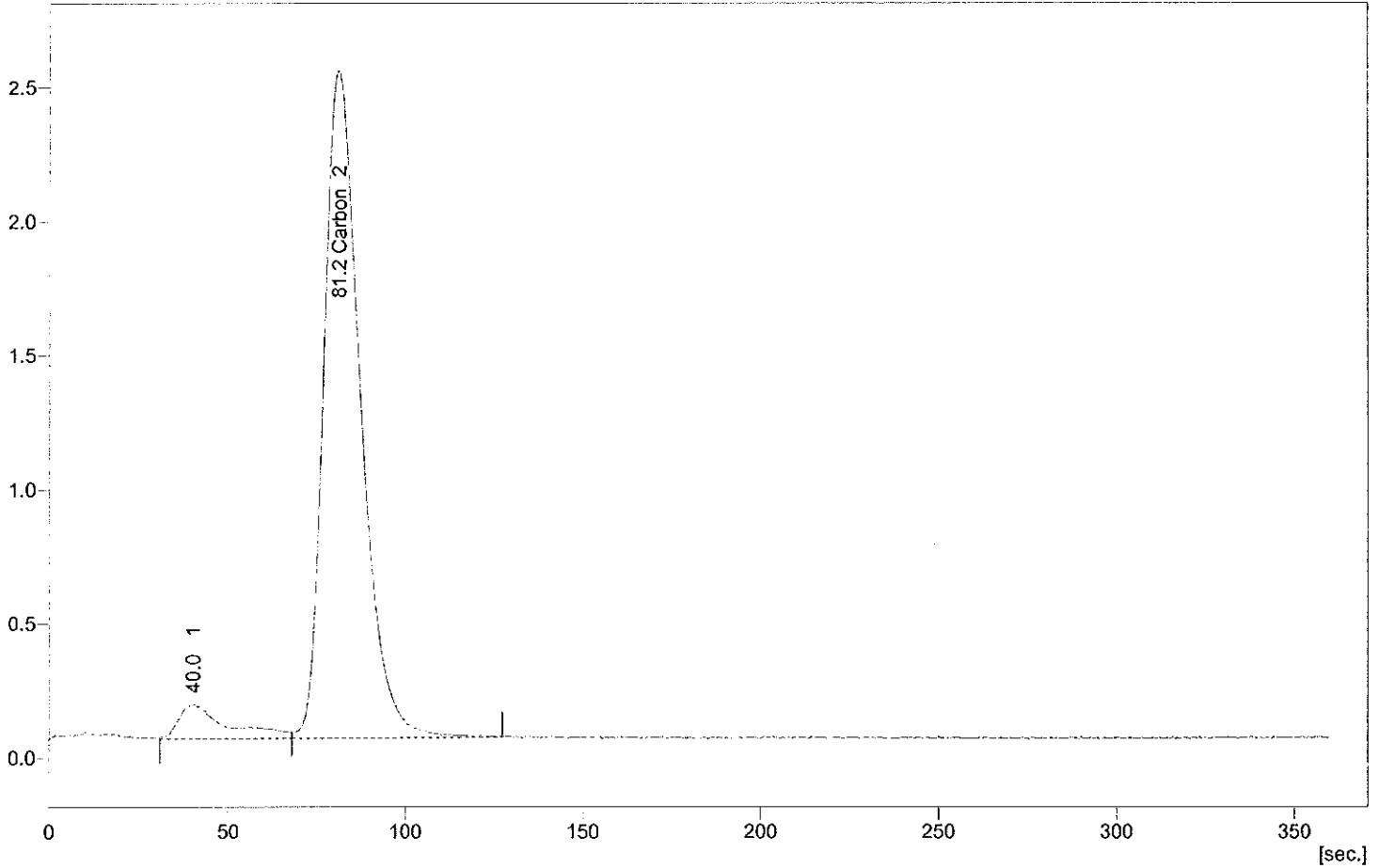
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.353	7.922	82.2	0.010	47.0500	1.0000	Refer
	Total	9.637	100.0	0.021	47.0500		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:14:23 PM
 Project : WORK2
 Weight : 0.0851 mg
 Sample : STD3
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z003



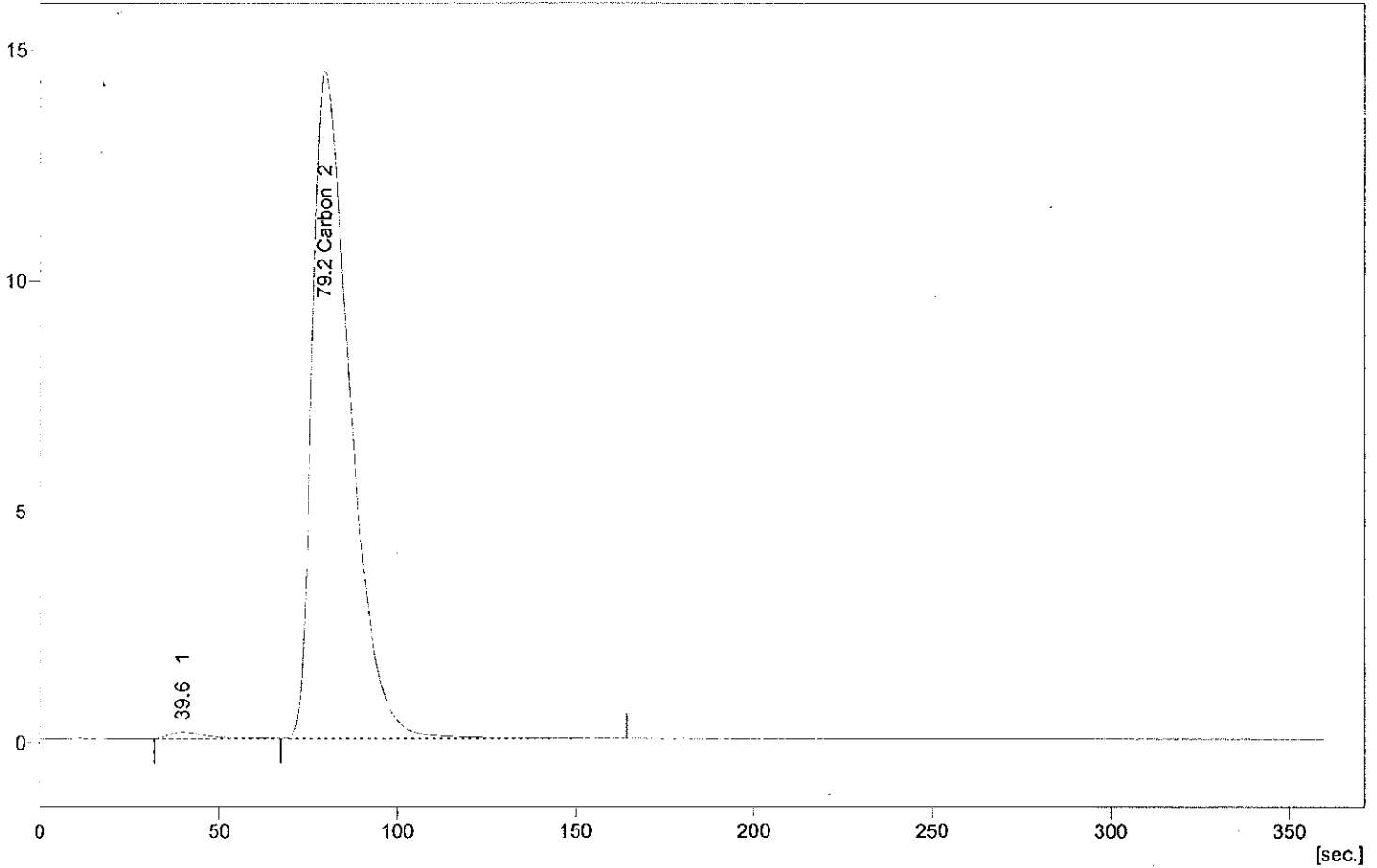
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1,353	29,804	93.7	0.040	47.0500	1.0000	Refer
	Total	31,796	100.0	0.085	47.0500		

Lloyd Kahn TOC
Instrument #2

Created : 5/25/2012 1:21:01 PM
Project : WORK2
Weight : 0.532 mg
Sample : STD4
Calibration : 052512Z

By : None
Style : Channel2
Chromatogram : 052512Z004



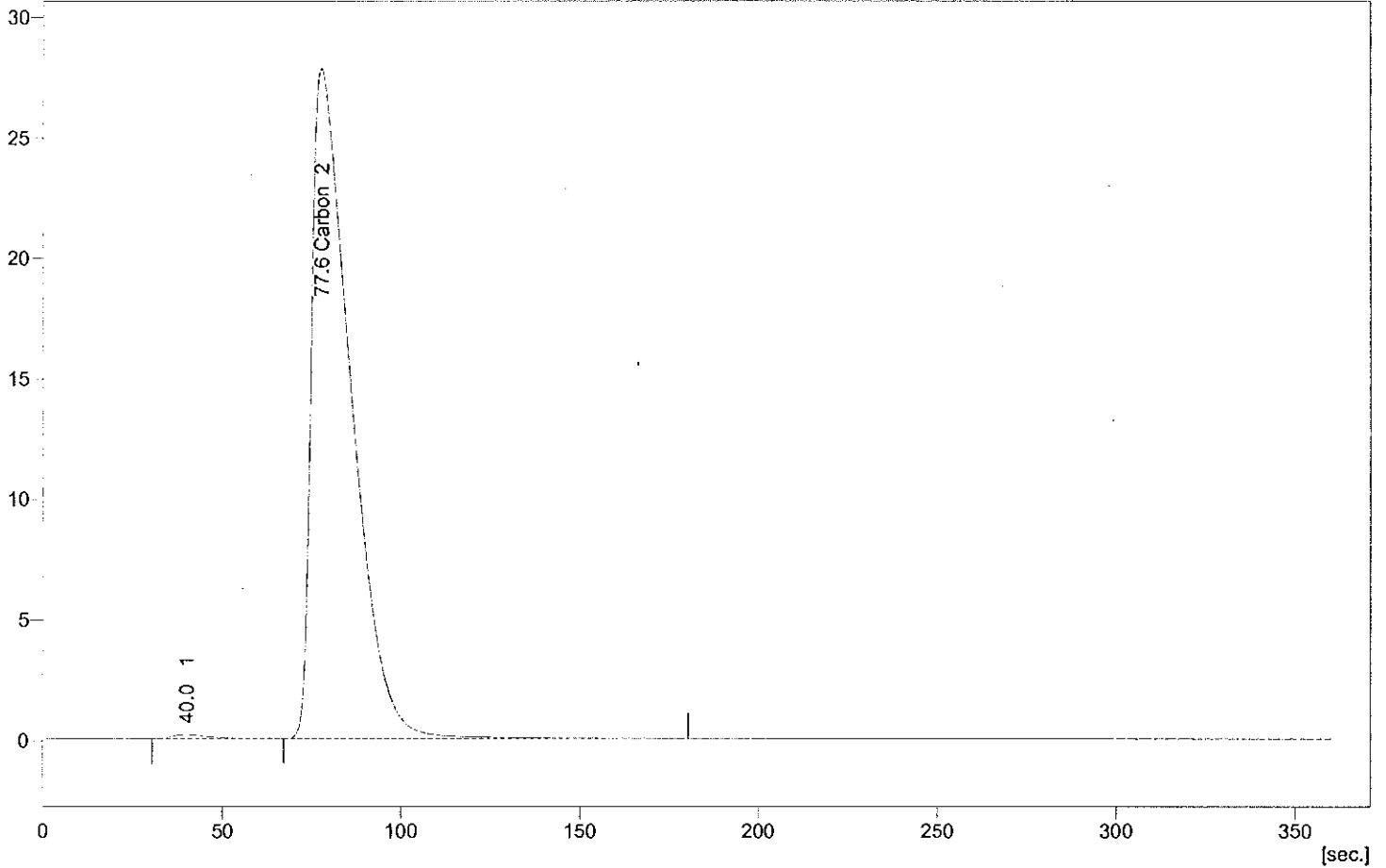
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.320	177.739	98.9	0.250	47.0377	1.0000	Refer
	Total	179.627	100.0	0.532	47.0377		

Lloyd Kahn TOC
Instrument #2

Created : 5/25/2012 1:27:48 PM
Project : WORK2
Weight : 1.064 mg
Sample : STD5
Calibration : 052512Z

By : None
Style : Channel2
Chromatogram : 052512Z005



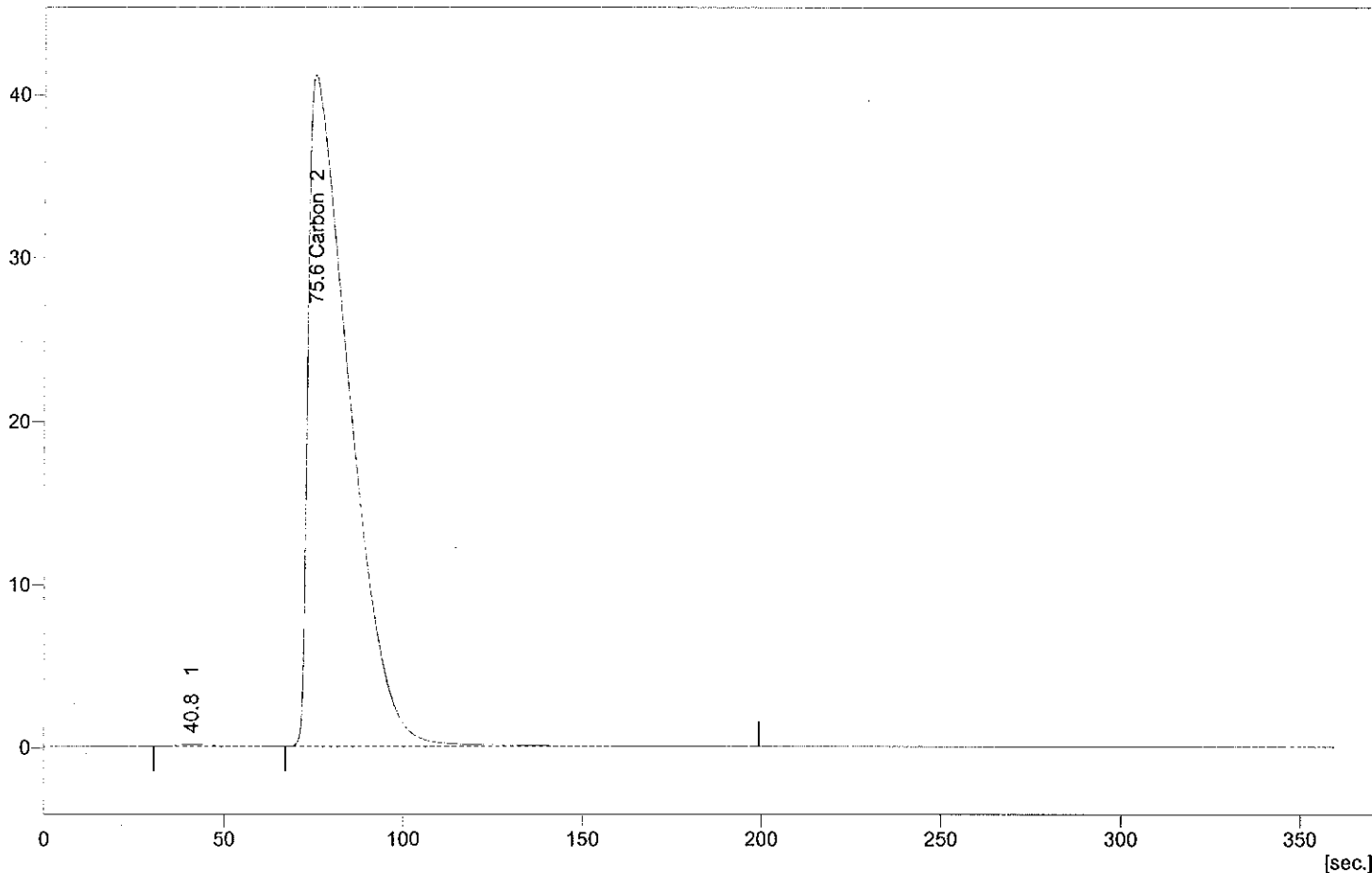
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.293	353.915	99.3	0.500	47.0395	1.0000	Refer
	Total	356.290	100.0	1.064	47.0395		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:34:27 PM
 Project : WORK2
 Weight : 1.596 mg
 Sample : STD6
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z006



Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.260	549.441	99.6	0.759	47.5627	1.0000	Refer
	Total	551.562	100.0	1.596	47.5627		

**Total Organic Carbon
Soils Benchsheet**

Date: 5/29/12	Start Time: 1155	Instrument ID: C6.2 → 052912A
Analyst: Ani	Stop Time: 1335	Oven ID: NA
TALS Batch: 39415		

STANDARD CURVE		Reagent ID	Concentration mg/L	Amount μL	Curve Results
Lab ID	Type				
CAL Level 1	CAL	NA	0	0	
CAL Level 2	CAL	WELK CAL 001 - 00002	100	100	Date Analyzed: 05/25/12
CAL Level 3	CAL	WELK CAL 001 - 00002	1001	40	correlation coefficient (r) = 0.999729
CAL Level 4	CAL	WELK CAL 001 - 00002	10012	25	Criteria: (r) ≥ 0.995
CAL Level 5	CAL	"	10012	50	TALS Batch:
CAL Level 6	CAL	"	10012	75	

Method Version: (Circle) Black Carbon Particulate Organic Carbon (POC) Marine Sediments(301H)

SAMPLE PREPARATION LOG

Drop #	Lab ID	Type	REP	Sample WT mg	Lab ID	Type	REP	Sample WT mg	Drop #
1	Acetanilide	NA	NA	0.553					29
2	Blank			10					30
3	MB			10					31
4	MB			10					32
5	LCS			9.247					33
6	LCS			9.275					34
7	580-32844-A-5			9.894					35
8	"			10.050					36
9	580-32844-A-10			9.965					37
10	"			9.753					38
11	580-32844-A-15			9.901					39
12	"			10.296					40
13	580-32847-A-5			10.133					41
14	"			10.252					42
15	Acetanilide			0.513					43
16	Blank			10					44
17									45
18									46
19									47
20									48
21									49
22									50
23									51
24									52
25									53
26									54
27									55
28									56

STANDARD & REAGENT TRACEABILITY:

Potassium Hydrogen Phthalate (ICAL) Container ID: WELK CAL 001 - 00002	LCS Container ID: WELK BC LCS 00006
Acetanilide (CCV) Container ID: WELK CCV 00006	1:19 Phosphoric Acid Container ID: WELK CPA 119 00006
Matrix Spike Container ID: NA	

Total Organic Carbon by Lloyd Kahn

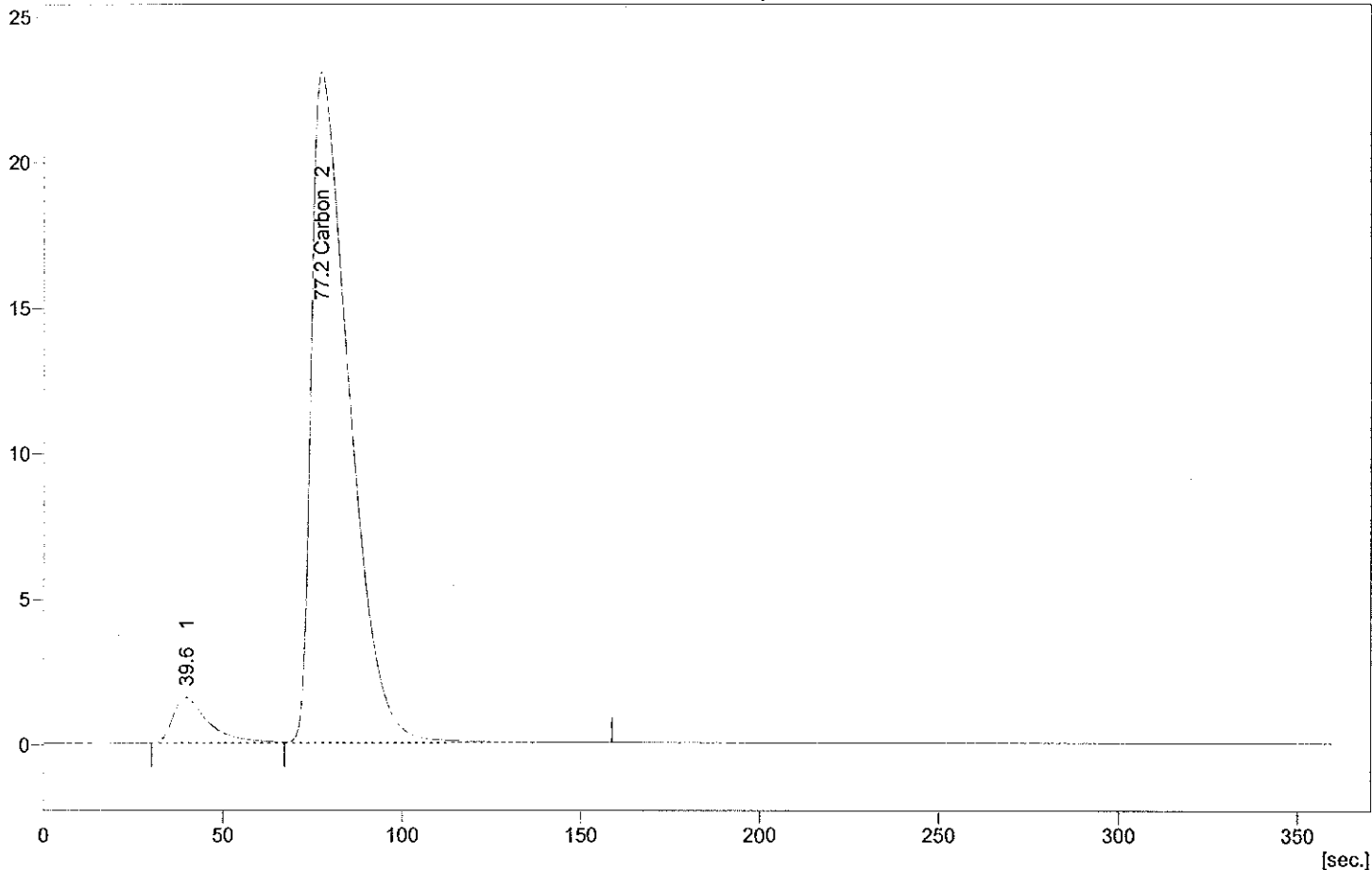
File: 052912A Channel: 2
 Default Mass: 10.0000 mg
 Acetanilide TV, %C: 71.09 LCS TV, %C: 0.99

Weight	Sample ID	% Carbon	mg/Kg Carbon	Average (mg/Kg)	QC recovery	Sample RPD	RA	Adjusted RL (mg/Kg)
0.553	ACETANILIDE	70.6486	706486.00		99%			
10	BLANK	0	0.00					
10	MB	0.0391	391.00					
10	MB	0.0357	357.00	374.00		9%		U1000
9.247	LCS	1.266	12660.00					
9.275	LCS	1.3452	13452.00	13056.00	132%	6%		1081
9.894	580-32844-A-5	0.1435	1435.00					
10.05	580-32844-A-5	0.1215	1215.00	1325.00		17%		1011
9.965	580-32844-A-10	0.144	1440.00					
9.753	580-32844-A-10	0.1443	1443.00	1441.50		0%		1025
9.901	580-32844-A-15	0.1133	1133.00					
10.296	580-32844-A-15	0.1222	1222.00	1177.50		8%		1010
10.133	580-32847-A-5	0.1517	1517.00					
10.252	580-32847-A-5	0.1449	1449.00	1483.00		5%		987
0.513	ACETANILIDE	75.5699	755699.00		106%			
10	BLANK	0	0.00					

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 11:55:49 AM
 Project : WORK2
 Weight : 0.553 mg
 Sample : ACETANILIDE
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A001



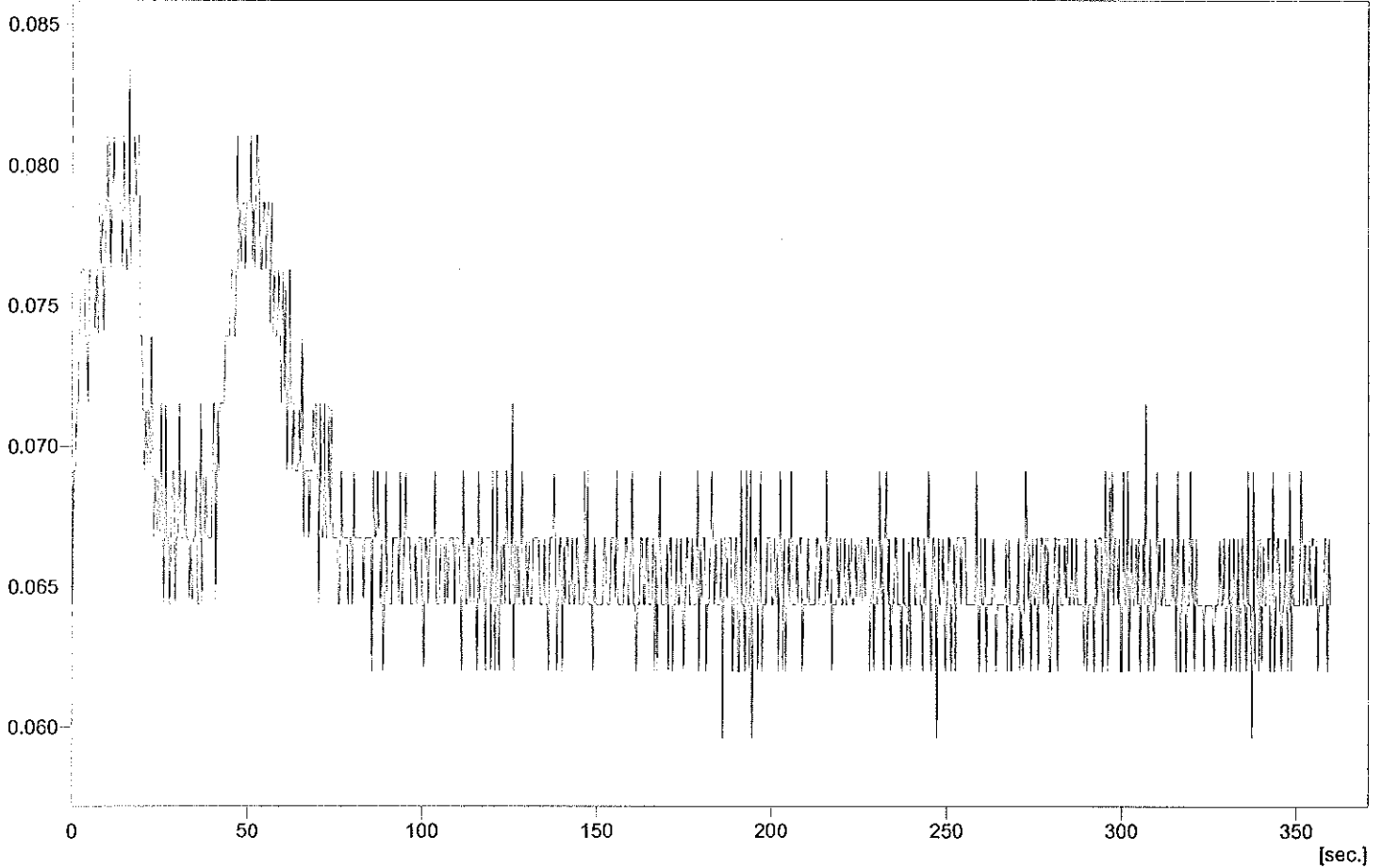
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.287	282.050	94.0	0.391	70.6486	1.0000	Refer
	Total	299.988	100.0	0.553	70.6486		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:02:27 PM
 Project : WORK2
 Weight : 10 mg
 Sample : BLANK
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A002



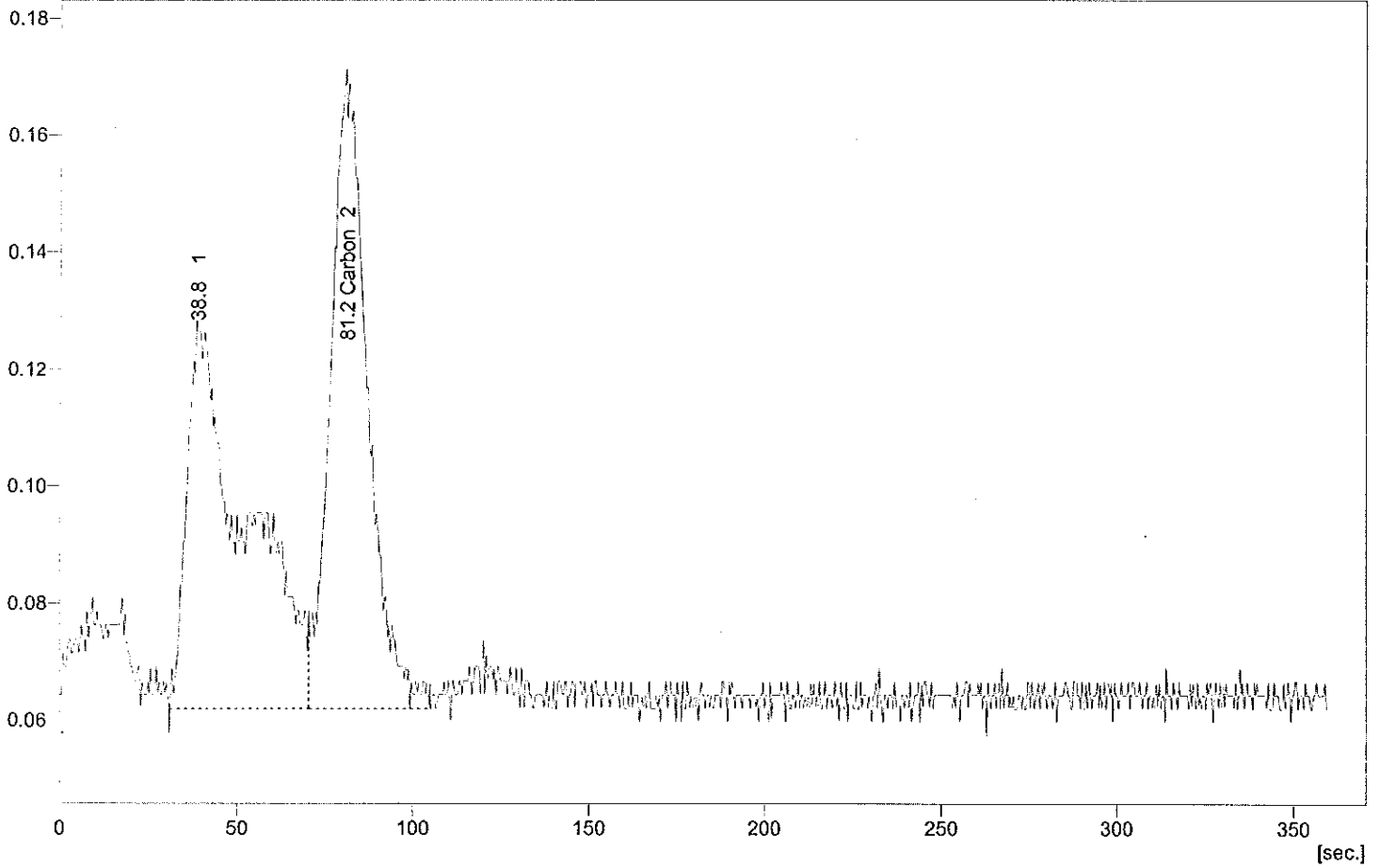
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.316						Refer
	Total	0.000	100.0	10.000	0.0000		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:09:02 PM
 Project : WORK2
 Weight : 10 mg
 Sample : MB
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A003



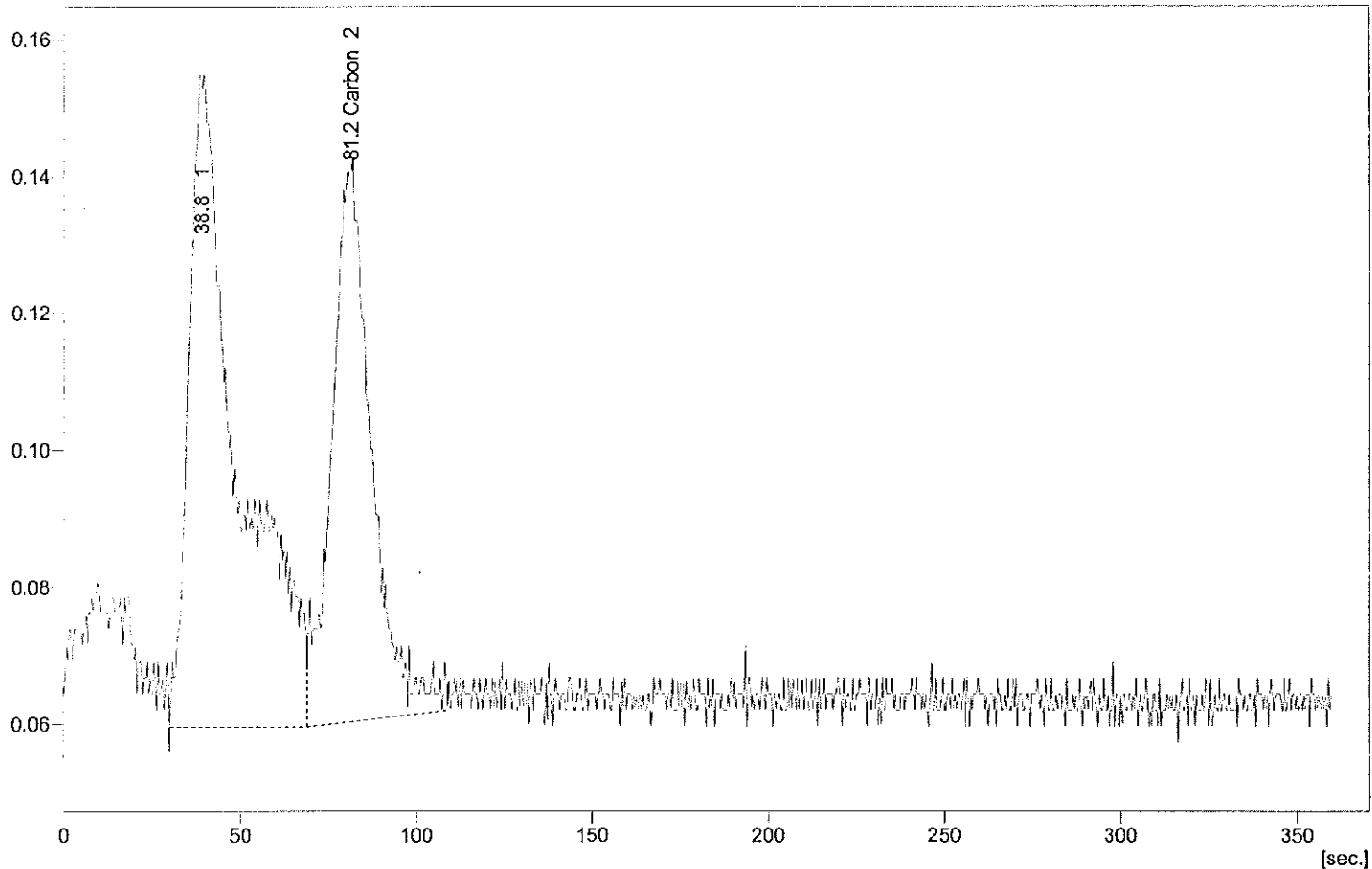
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.353	1.336	51.2	0.004	0.0391	1.0000	Refer
	Total	2.606	100.0	10.000	0.0391		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:15:35 PM
 Project : WORK2
 Weight : 10 mg
 Sample : MB
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A004



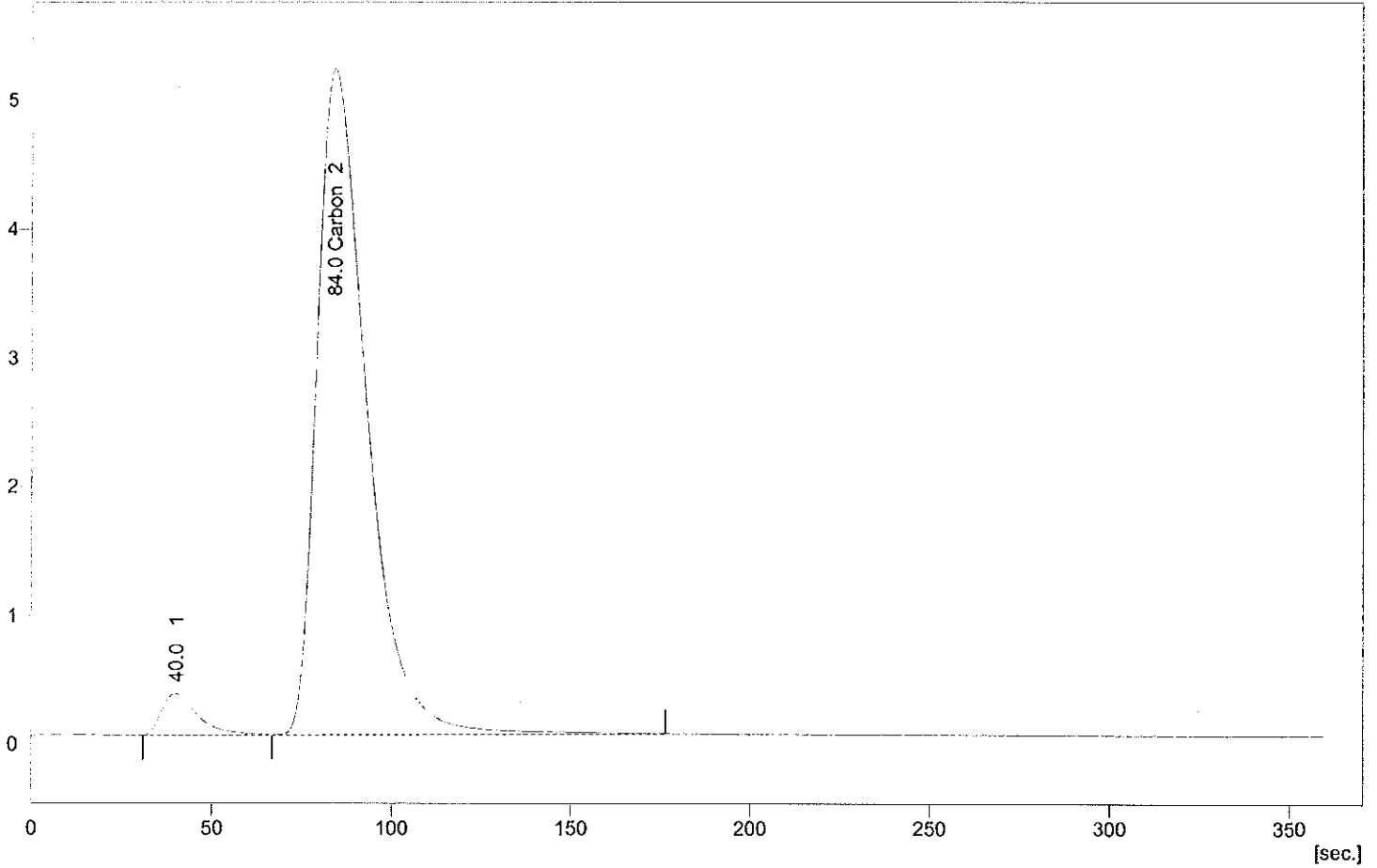
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1,353	1,082	41,8	0,004	0,0357	1,0000	Refer
	Total	2,591	100,0	10,000	0,0357		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:22:09 PM
 Project : WORK2
 Weight : 9.247 mg
 Sample : LCS
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A005



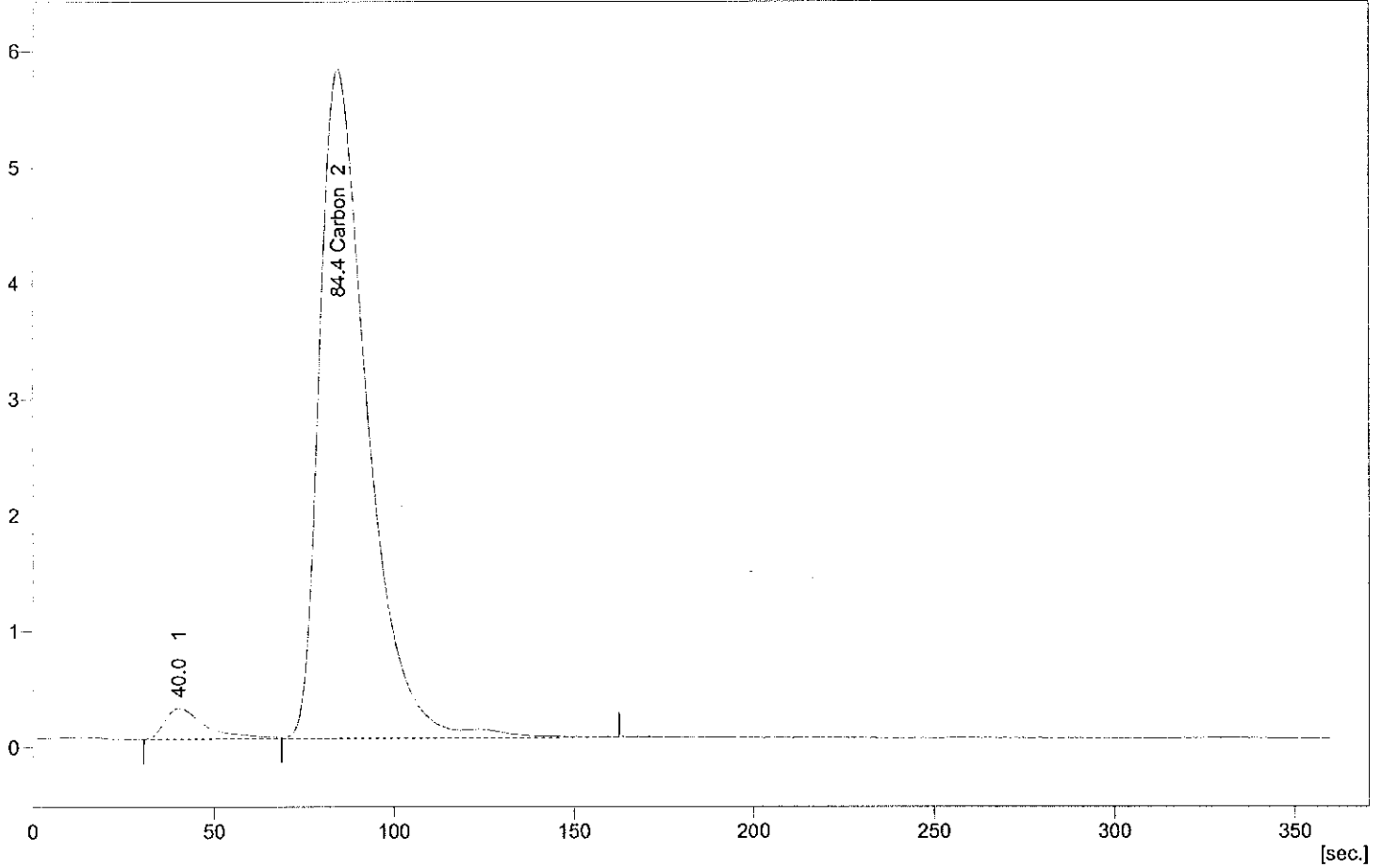
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.400	83.458	95.6	0.117	1.2660	1.0000	Refer
	Total	87.274	100.0	9.247	1.2660		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:28:43 PM
 Project : WORK2
 Weight : 9.275 mg
 Sample : LCS
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A006



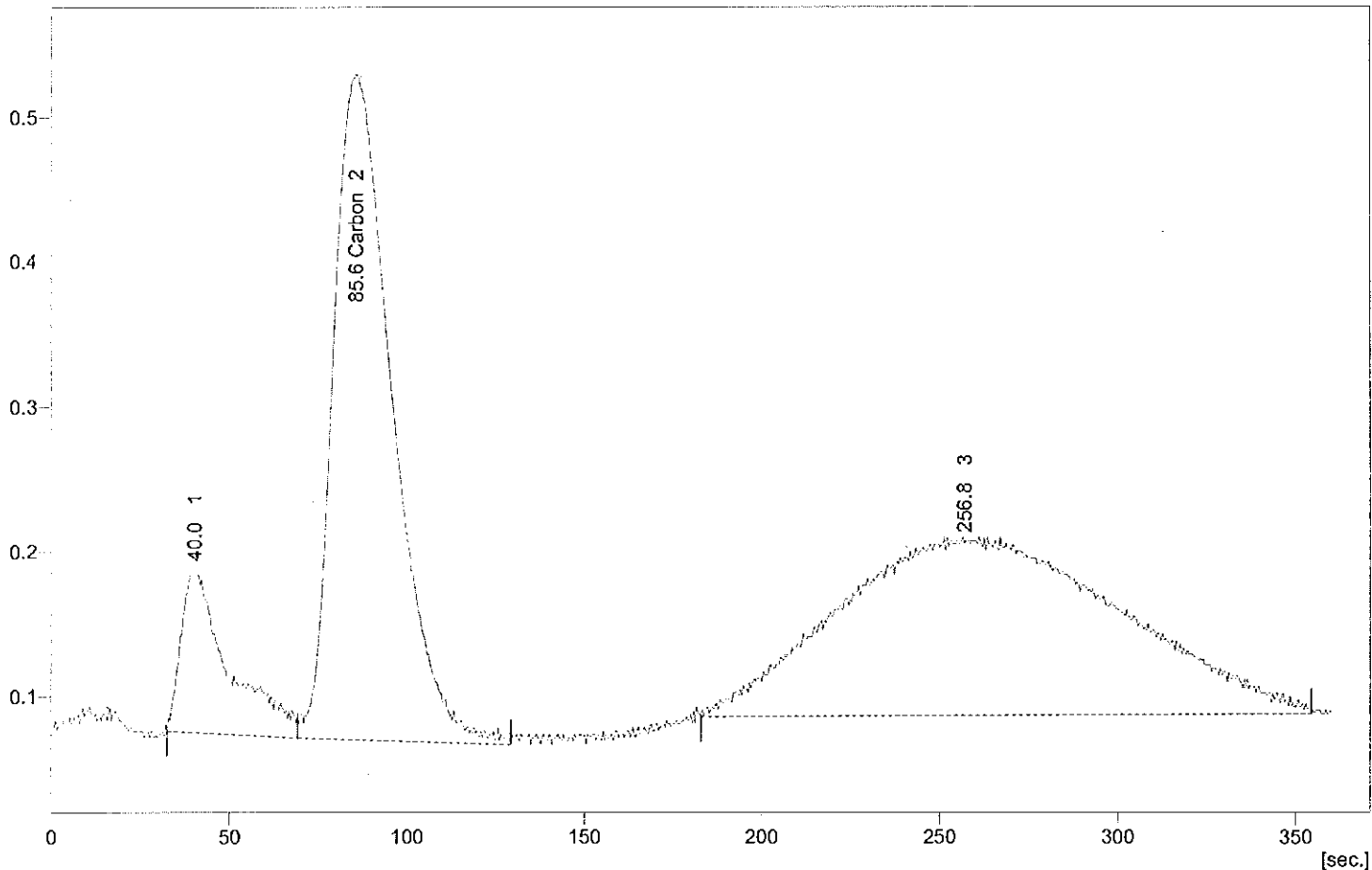
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.407	89.052	96.3	0.125	1.3452	1.0000	Refer
	Total	92.483	100.0	9.275	1.3452		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:35:17 PM
 Project : WORK2
 Weight : 9.894 mg
 Sample : 580-32844-A-5
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A007



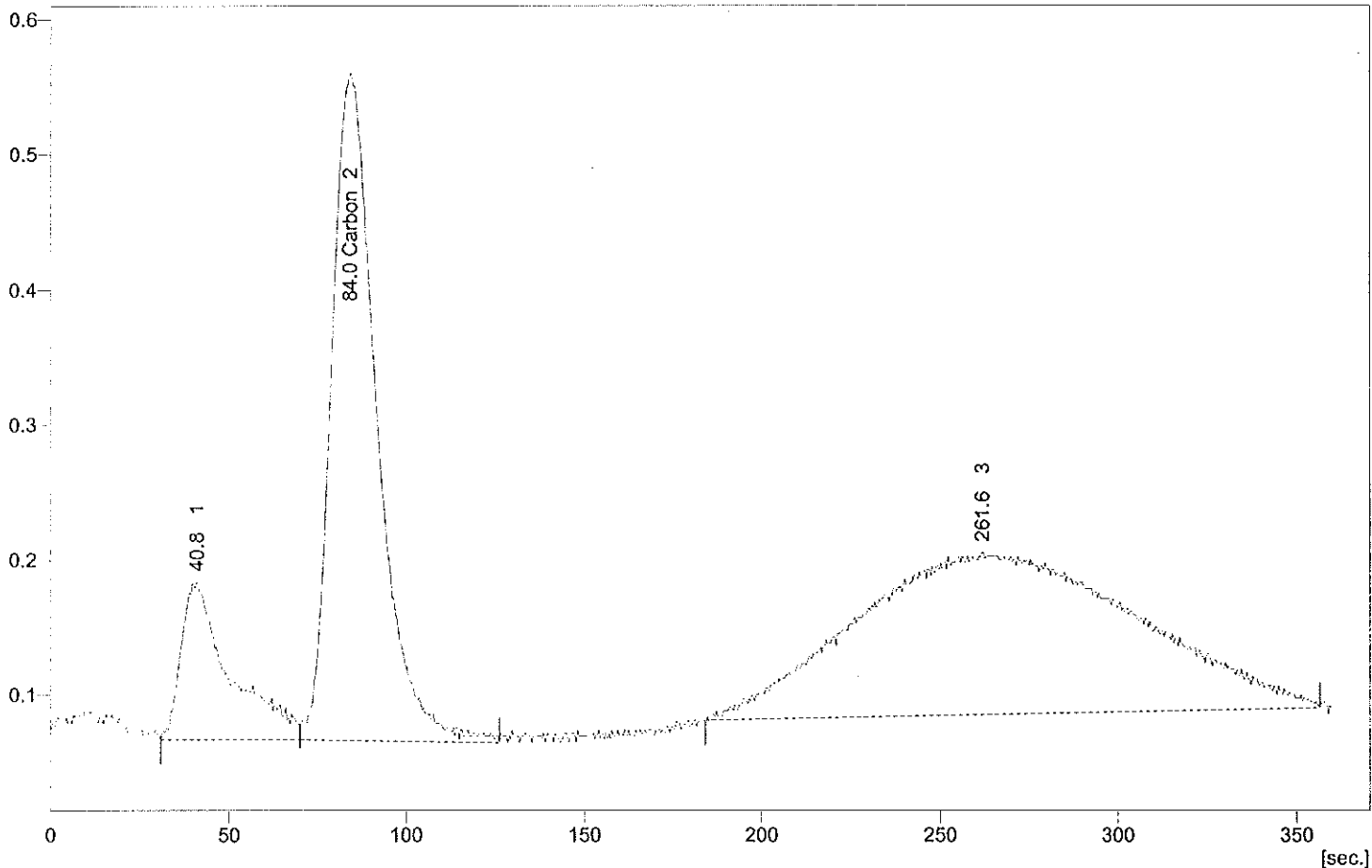
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.427	8.799	40.3	0.014	0.1435	1.0000	Refer
	Total	21.834	100.0	9.894	0.1435		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:41:49 PM
 Project : WORK2
 Weight : 10.05 mg
 Sample : 580-32844-A-5
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A008



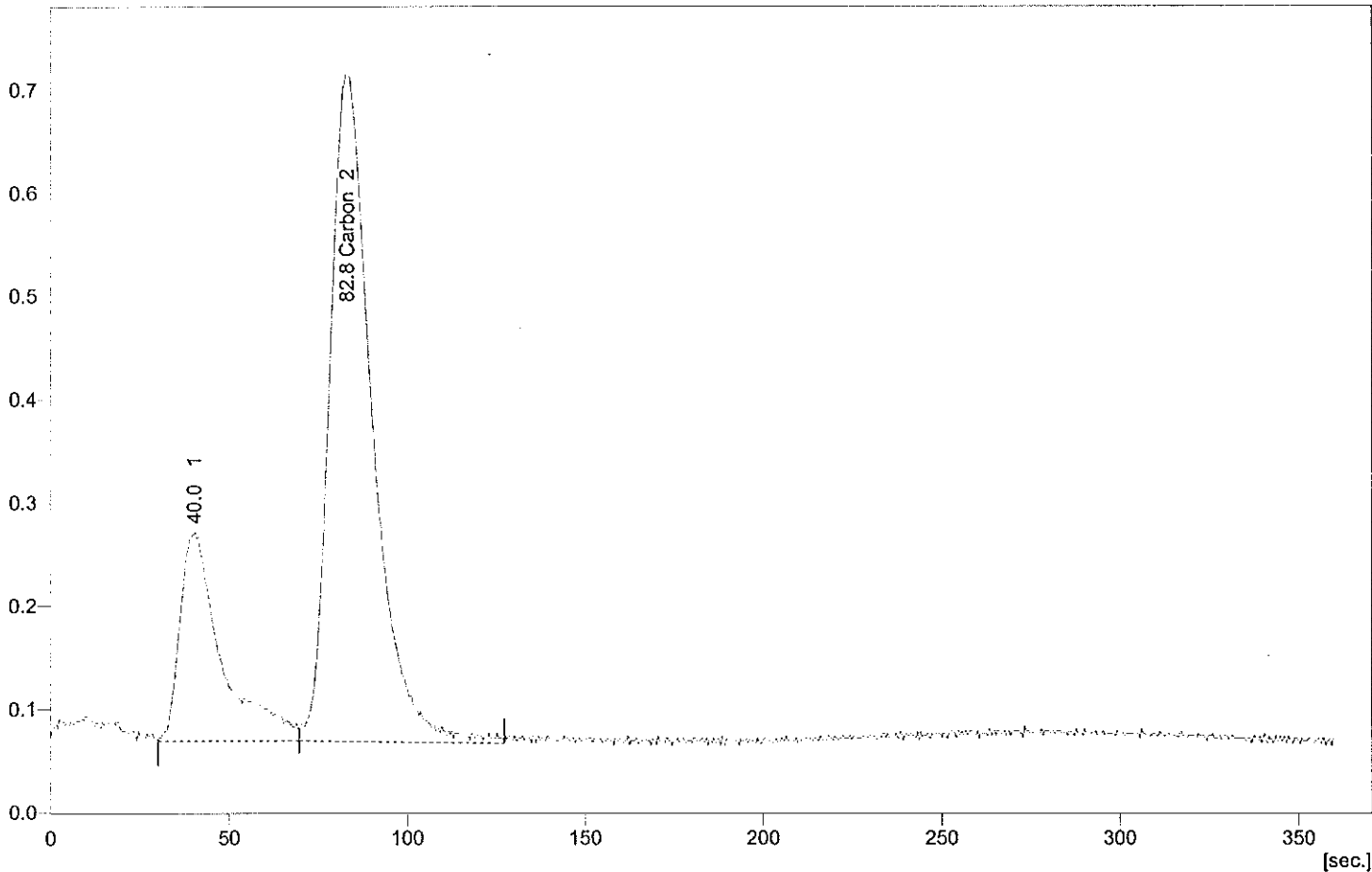
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.400	7.354	36.7	0.012	0.1215	1.0000	Refer
	Total	20.030	100.0	10.050	0.1215		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:48:21 PM
 Project : WORK2
 Weight : 9.965 mg
 Sample : 580-32844-A-10
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A009



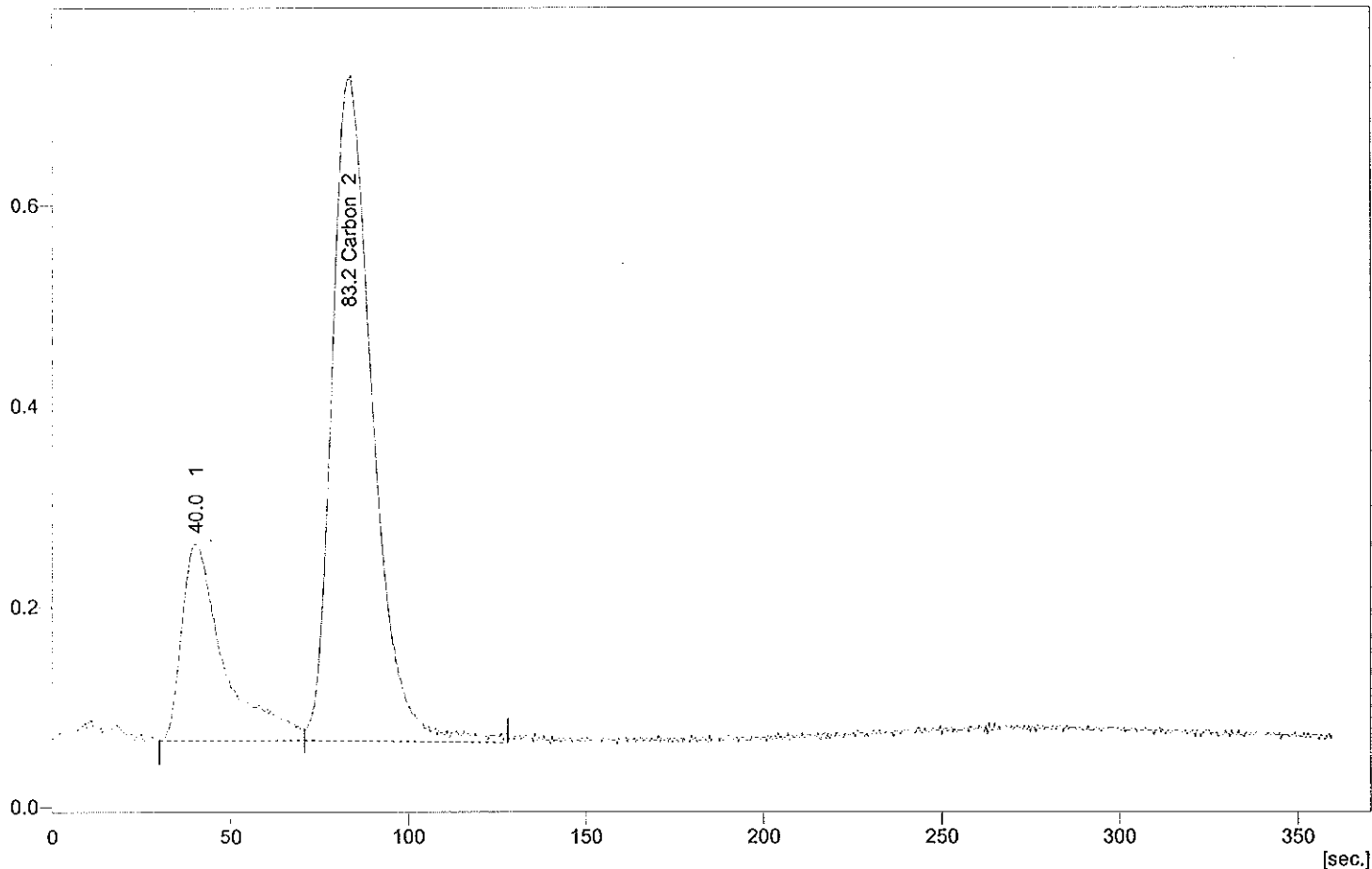
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.380	8.910	76.5	0.014	0.1440	1.0000	Refer
	Total	11.654	100.0	9.965	0.1440		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:54:59 PM
 Project : WORK2
 Weight : 9.753 mg
 Sample : 580-32844-A-10
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A010



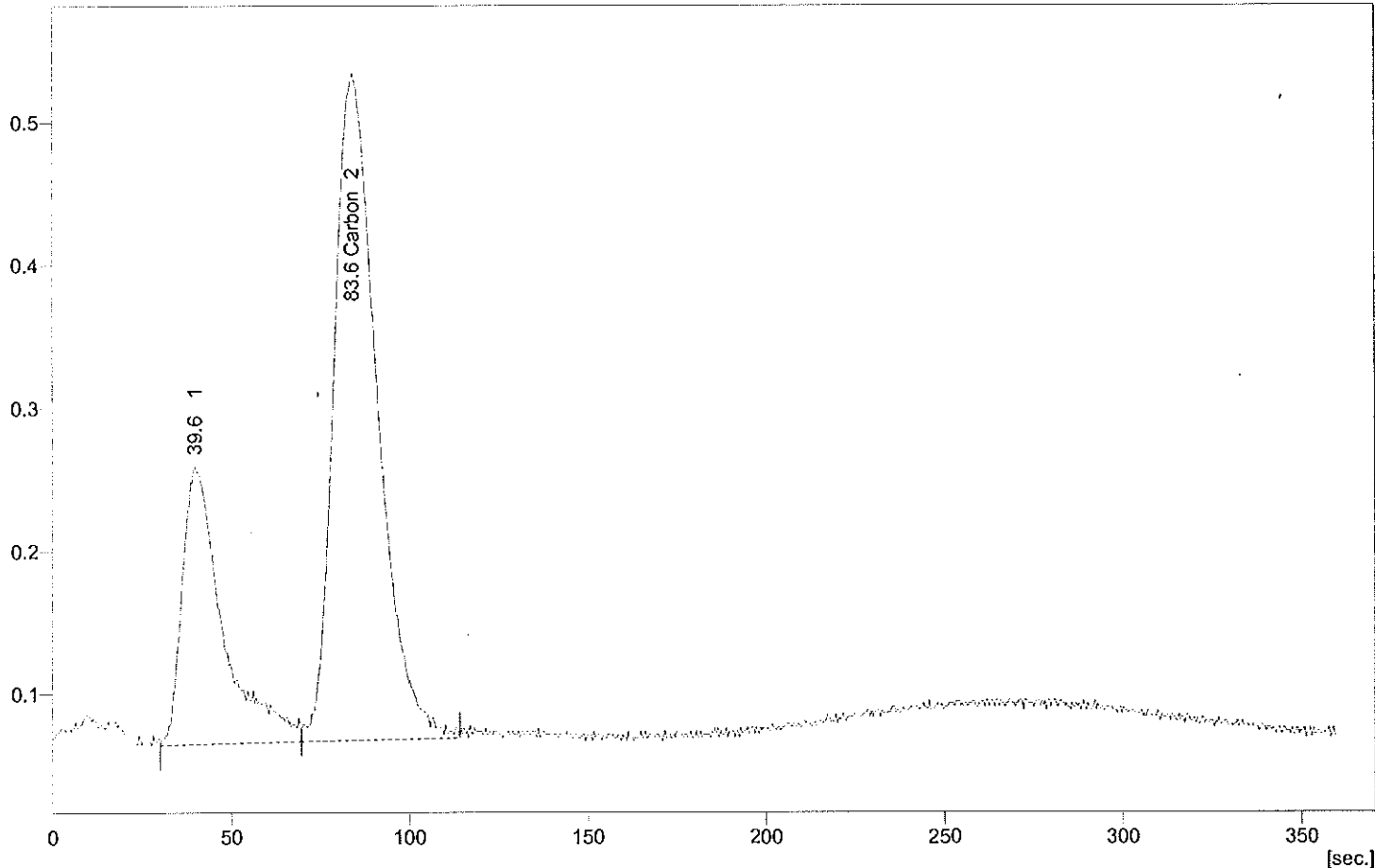
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	8.706	76.5	0.014	0.1443	1.0000	Refer
	Total	11.376	100.0	9.753	0.1443		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:01:39 PM
 Project : WORK2
 Weight : 9.901 mg
 Sample : 580-32844-A-15
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A011



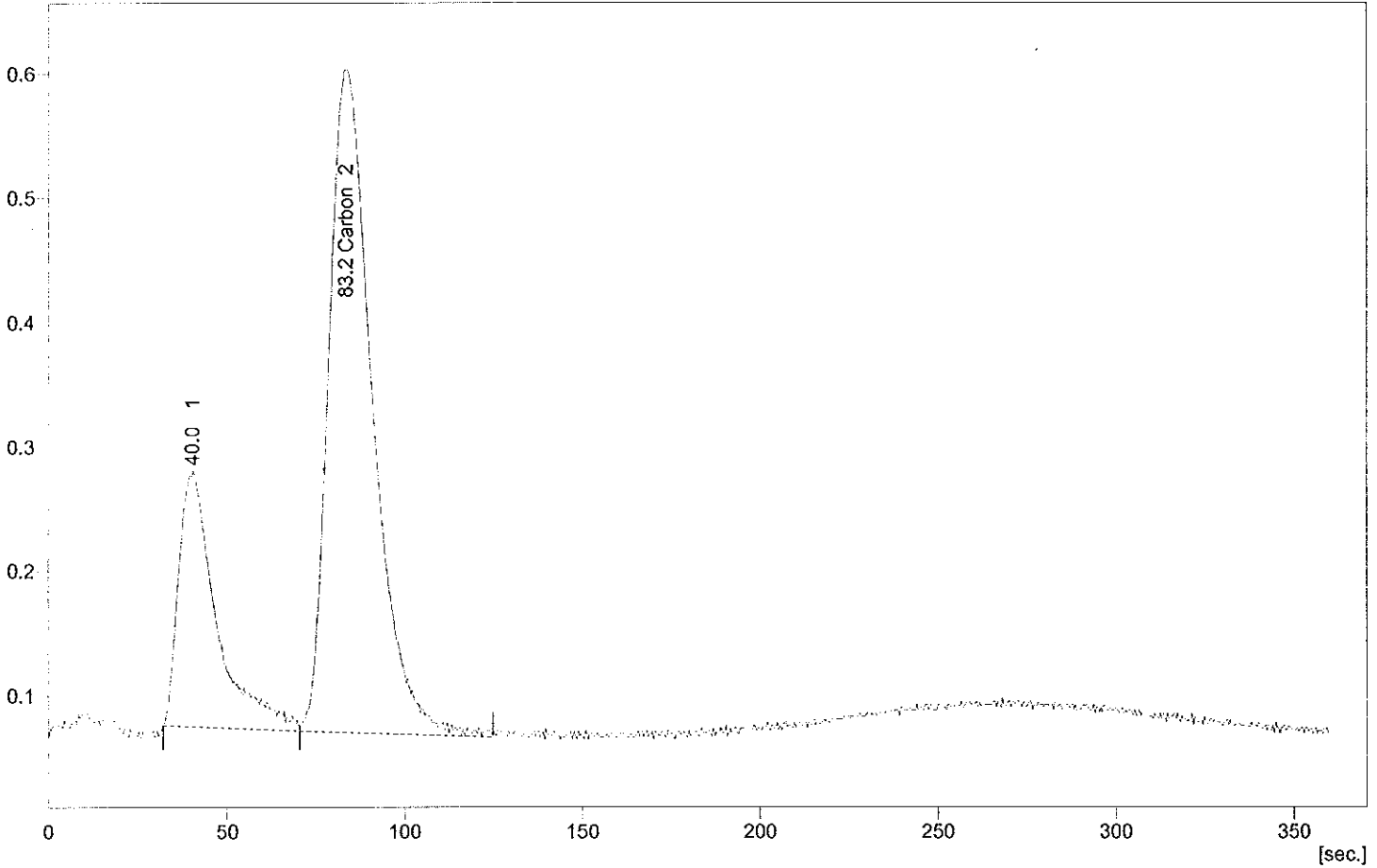
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	6.634	72.0	0.011	0.1133	1.0000	Refer
	Total	9.214	100.0	9.901	0.1133		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:08:18 PM
 Project : WORK2
 Weight : 10.296 mg
 Sample : 580-32844-A-15
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A012



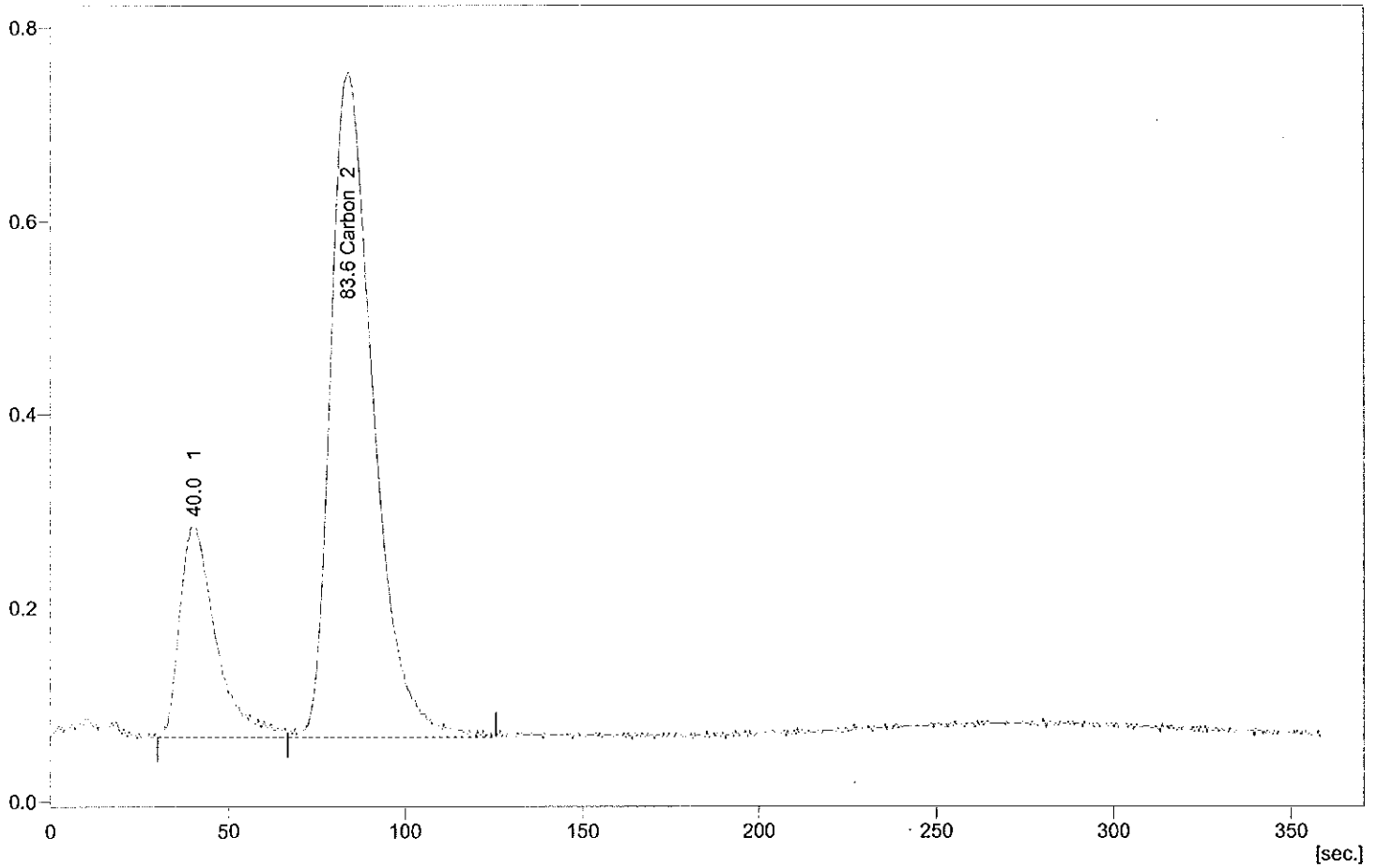
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	7.628	75.0	0.013	0.1222	1.0000	Refer
	Total	10.173	100.0	10.296	0.1222		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:14:59 PM
 Project : WORK2
 Weight : 10.133 mg
 Sample : 580-32847-A-5
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A013



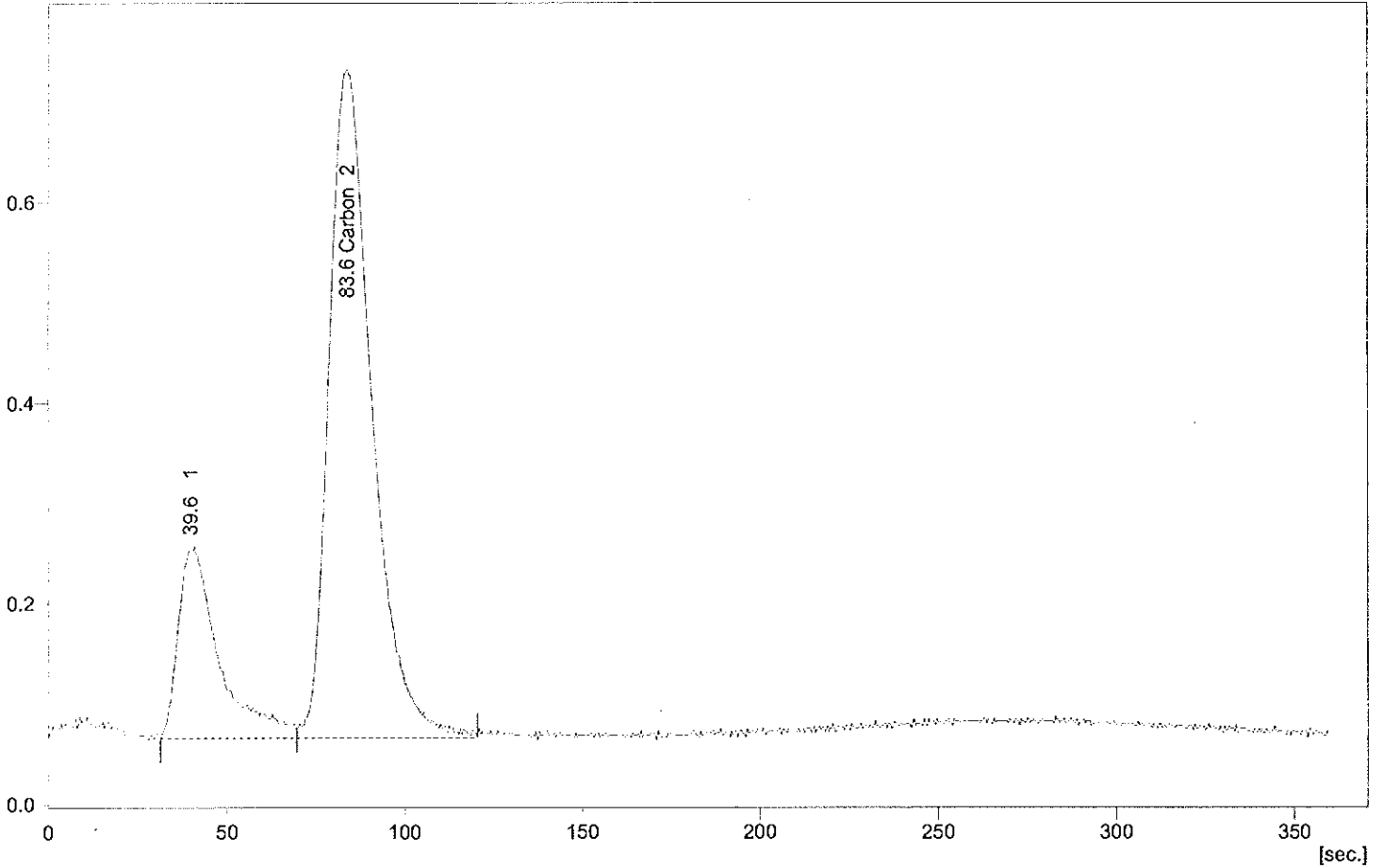
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	9.651	78.7	0.015	0.1517	1.0000	Refer
	Total	12.269	100.0	10.133	0.1517		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:21:41 PM
 Project : WORK2
 Weight : 10.252 mg
 Sample : 580-32847-A-5
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A014



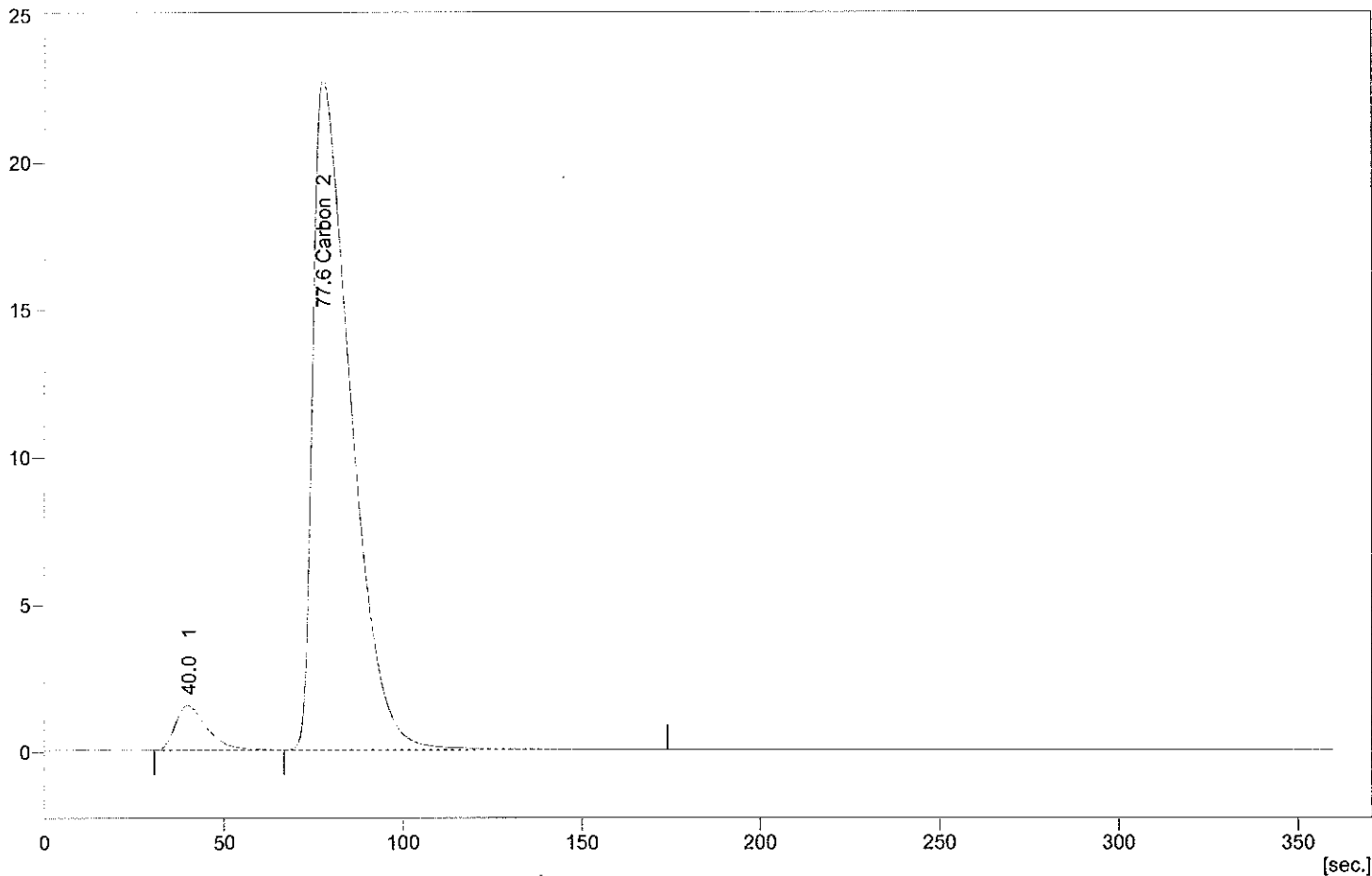
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	9.273	78.7	0.015	0.1449	1.0000	Refer
	Total	11.775	100.0	10.252	0.1449		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:28:23 PM
 Project : WORK2
 Weight : 0.513 mg
 Sample : ACETANILIDE
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A015



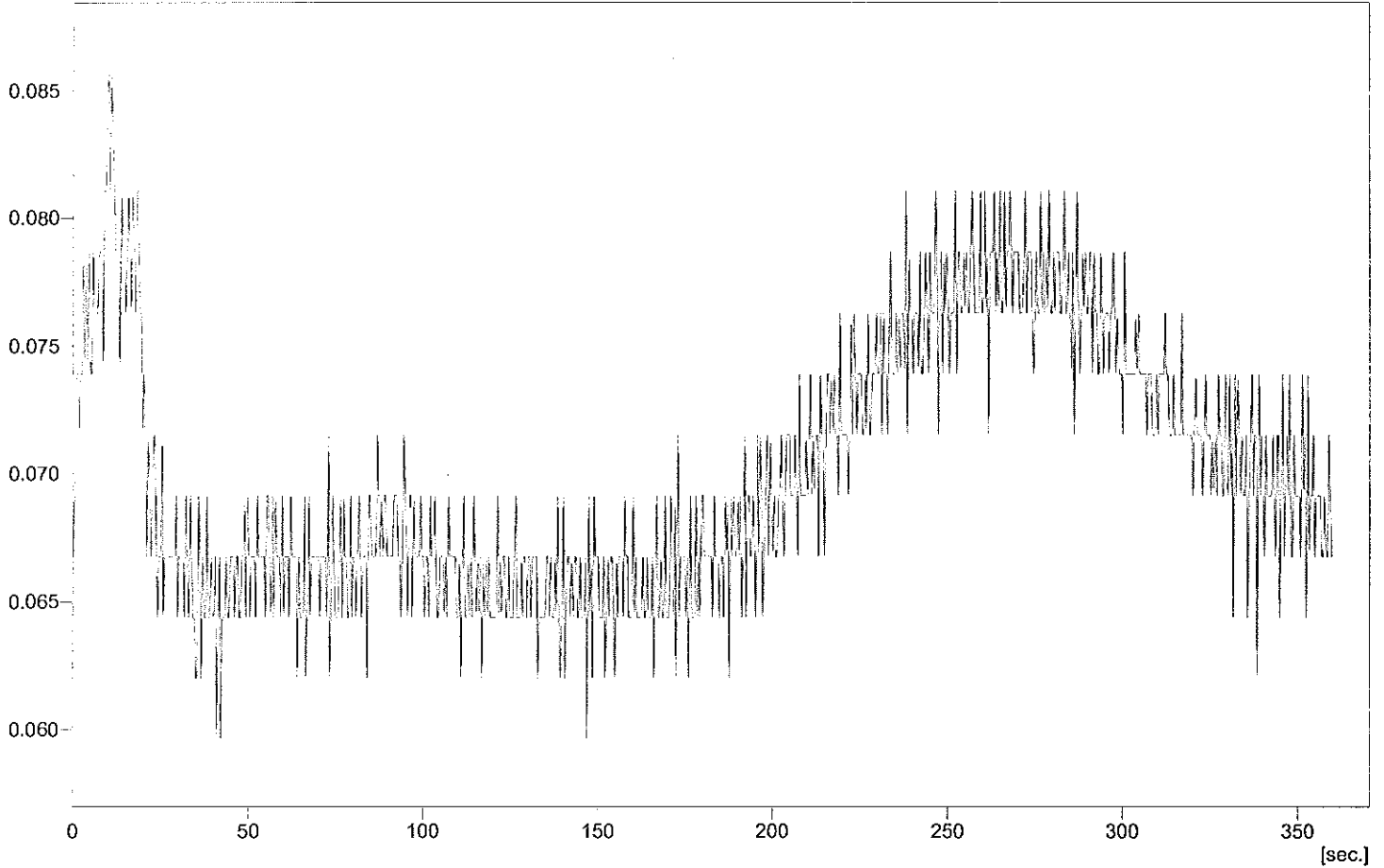
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.293	279.863	94.7	0.388	75.5699	1.0000	Refer
	Total	295.614	100.0	0.513	75.5699		

Lloyd Kahn TOC
Instrument #2

Created : 5/29/2012 1:35:07 PM
Project : WORK2
Weight : 10 mg
Sample : BLANK
Calibration : 052912A

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912A016



Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.316						Refer
	Total	0.000	100.0	10.000	0.0000		

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Batch Number: 113152 Batch Start Date: 06/11/12 18:05 Batch Analyst: Mattison, Adam

Batch Method: 9060_PSEP Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	CaCO3 00002	TOCS_LCS 00002				
ICV 580-113152/1		9060_PSEP		0.2082 g					
LCS 580-113152/4		9060_PSEP			191.5 mg				
CCV 580-113152/12		9060_PSEP		0.1171 g					
CCV 580-113152/24		9060_PSEP		0.1066 g					

Batch Notes	
Lot # of hydrochloric acid	905292

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Batch Number: 111760 Batch Start Date: 05/21/12 14:39 Batch Analyst: Zboralski, Edward

Batch Method: D 2216 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-32844-C-5	JW-UR-COMP-12050 8	D 2216	T	0.7833 g	8.8746 g	5.1342 g			

Batch Notes	
Balance ID	SEA218, SEA223 No Unit
Date samples were placed in the oven	05/21/2012
Oven Temp when samples are put in oven	110.5 Degrees C
Time samples were place in the oven	1510
Date samples were removed from oven	05/22/2012
Oven Temp when samples removed from oven	110.5 Degrees C
Time Samples were removed from oven	13:13
Oven ID	TAC306
ID number of the thermometer	3A4823
Uncorrected In Temperature	110 Celsius
Uncorrected Out Temperature	110 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Batch Number: 111762 Batch Start Date: 05/21/12 15:18 Batch Analyst: Zboralski, Edward

Batch Method: D 2216 Batch End Date: 05/22/12 14:03

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-32844-C-10	JW-DR-COMP-12050 8	D 2216	T	0.7736 g	8.2443 g	4.5255 g			
580-32844-C-15	JW-RG-COMP-12050 8	D 2216	T	0.7681 g	6.8156 g	4.6096 g			

Batch Notes	
Balance ID	SEA218, SEA223 No Unit
Date samples were placed in the oven	05/21/2012
Oven Temp when samples are put in oven	110.5 Degrees C
Time samples were place in the oven	1545
Date samples were removed from oven	05/22/12
Oven Temp when samples removed from oven	110.5 Degrees C
Time Samples were removed from oven	13:13
Oven ID	TAC306
ID number of the thermometer	3A4823
Uncorrected In Temperature	110 Celsius
Uncorrected Out Temperature	110 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 580-32844-1

SDG No.: _____

Batch Number: 39415 Batch Start Date: 05/29/12 11:55 Batch Analyst: Nelson, Andrea J

Batch Method: Lloyd Kahn Batch End Date: 05/29/12 13:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	WCBCLCSs 00006	WCLKCCVs 00006			
ICV 200-39415/1		Lloyd Kahn			0.553 mg			
LCS 200-39415/4		Lloyd Kahn		9.261 mg				
CCV 200-39415/9		Lloyd Kahn			0.513 mg			

Batch Notes	
Muffle Furnace ID	30400
Oven Temp when samples are put in oven	103 Celsius
Muffle Furnace temp when samples put in	375 Celsius
Time samples were place in the oven	05/22/2012 @ 1630
Time samples put in muffle furnace	05/24/2012 @ 1410
Oven Temp when samples removed from oven	104 Celsius
Muffle Furnace temp when samples removed	375 Celsius
Time Samples were removed from oven	05/23/2012 @ 0845
Time samples removed from muffle furnace	05/26/2012 @ 1950
Oven ID	2
Lot # of Phosphoric Acid	WCPA119i_00026

Basis	Basis Description

COVER PAGE
GEOTECHNICAL

Lab Name: TestAmerica Seattle Job Number: 580-32844-1

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID	Lab Sample ID
<u>JW-UR-COMP-120508</u>	<u>580-32844-5</u>
<u>JW-DR-COMP-120508</u>	<u>580-32844-10</u>
<u>JW-RG-COMP-120508</u>	<u>580-32844-15</u>

Comments:

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-UR-COMP-120508
 Lab Sample ID 580-32844-A-5

Date Received 5/8/2012
 Start Date 6/8/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 46 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Sample	Sample
	88	88
		38.1453

Sample Split

Tare	Pan+Sample	Sample
		10.1413
		28.004
		73.4

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0	0 g	100.0	Gravel	
#10	2000	0	0.0382	0.0382 g	99.9	Gravel	
#18	1000	0	0.1782	0.1782 g	99.4	Sand	Coarse
#35	500	0	0.4173	0.4173 g	98.3	Sand	Medium
#60	250	0	1.132	1.132 g	95.3	Sand	Medium
#120	125	0	2.4419	2.4419 g	88.9	Sand	Fine
#230	63	0	5.9337	5.9337 g	73.3	Sand	Fine
				0 g	73.3	Sand	Fine
				0 g	73.3		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	21	00:00:20	20	59.0889	59.6511	0.56008	9.325	24.4459999	48.954	Silt	Coarse
5 to 6	15.6	21	00:01:51	10	47.6596	48.0353	0.37358	6.01	15.75554524	33.198455	Silt	Medium
6 to 7	7.8	21	00:07:25	10	61.1574	61.4129	0.25338	-17.69	-46.37530705	79.573762	Silt	Fine
7 to 8	3.9	21	00:29:41	10	58.3845	58.9938	0.60718	25.56	67.0069445	12.566817	Silt	Very Fine
8 to 9	1.95	21	01:59:00	10	57.3723	57.4704	0.09598	1.935	5.072708827	7.4941086	Clay	Coarse
9 to 10	0.98	21	07:56:00	10	52.5709	52.6303	0.05728	1.37	3.59153028	3.9025783	Clay	Medium
10 to 11	0.49	21	31:40:00	10	58.0676	58.0996	0.02988	1.494	3.916603094	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-DR-COMP-120508
 Lab Sample ID 580-32844-A-10

Date Received 5/8/2012
 Start Date 6/8/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 50 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Sample	Sample
	78.5	78.5
		27.3532

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

Tare	Pan+Sample	Sample
		1.7892
		25.564
		93.5

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0	0 g	100.0	Gravel	
#10	2000	0	0.0085	0.0085 g	100.0	Gravel	
#18	1000	0	0.0884	0.0884 g	99.7	Sand	Coarse
#35	500	0	0.2368	0.2368 g	98.8	Sand	Medium
#60	250	0	0.3775	0.3775 g	97.4	Sand	Medium
#120	125	0	0.4398	0.4398 g	95.8	Sand	Fine
#230	63	0	0.6382	0.6382 g	93.5	Sand	Fine
				0 g	93.5	Sand	Fine
				0 g	93.5		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	21	00:00:20	20	48.6518	49.1652	0.51128	7.7	28.15027127	65.349729	Silt	Coarse
5 to 6	15.6	21	00:01:51	10	57.184	57.5434	0.35728	6.91	25.26212655	40.087602	Silt	Medium
6 to 7	7.8	21	00:07:25	10	62.6865	62.9077	0.21908	5.555	20.30840998	19.779192	Silt	Fine
7 to 8	3.9	21	00:29:41	10	62.2051	62.3152	0.10798	2.545	9.304213035	10.474979	Silt	Very Fine
8 to 9	1.95	21	01:59:00	10	58.2174	58.2766	0.05708	1.345	4.917157773	5.5578214	Clay	Coarse
9 to 10	0.98	21	07:56:00	10	62.7511	62.7834	0.03018	0.705	2.577394967	2.9804264	Clay	Medium
10 to 11	0.49	21	31:40:00	10	54.0249	54.0431	0.01608	0.804	2.939327026	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-RG-COMP-120508
 Lab Sample ID 580-32844-A-15

Date Received 5/8/2012
 Start Date 6/8/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 36 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Sample
Sample Weight (Wet)		107.2	107.2
Sample Weight (dry)			51.9571

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Sample
Sample >=#230			36.3831
Sample <#230			15.574
% Passing #230			30

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g		100.0 Cobbles	
2.5 inch	63000	0	0	0 g		100.0 Cobbles	
1.25 inch	31500	0	0	0 g		100.0 Gravel	
5/8 inch	16000	0	0	0 g		100.0 Gravel	
5/16 inch	8000	0	0	0 g		100.0 Gravel	
#4	4750	0	0	0 g		100.0 Gravel	
#5	4000	0	0	0 g		100.0 Gravel	
#10	2000	0	0.0575	0.0575 g		99.9 Gravel	
#18	1000	0	0.4888	0.4888 g		99.0 Sand	Coarse
#35	500	0	0.998	0.998 g		97.1 Sand	Medium
#60	250	0	2.2692	2.2692 g		92.7 Sand	Medium
#120	125	0	11.7752	11.7752 g		70.0 Sand	Fine
#230	63	0	20.7944	20.7944 g		30.0 Sand	Fine
				0 g		30.0 Sand	Fine
				0 g		30.0	
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	21	00:00:20	20	62.0255	62.3391	0.31148	4.12	7.929618859	22.070381	Silt	Coarse
5 to 6	15.6	21	00:01:51	10	48.8471	49.0783	0.22908	2.45	4.71542869	17.354952	Silt	Medium
6 to 7	7.8	21	00:07:25	10	49.8927	50.0749	0.18008	2.435	4.686558719	12.668394	Silt	Fine
7 to 8	3.9	21	00:29:41	10	61.3831	61.5166	0.13138	2.19	4.21501585	8.4533779	Silt	Very Fine
8 to 9	1.95	21	01:59:00	10	57.8409	57.9306	0.08758	1.72	3.310423407	5.1429545	Clay	Coarse
9 to 10	0.98	21	07:56:00	10	61.2819	61.3372	0.05318	1.21	2.328844374	2.8141101	Clay	Medium
10 to 11	0.49	21	31:40:00	10	55.0003	55.0314	0.02898	1.449	2.788839254	0	Clay	Fine
			not defined	10								

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GEOTECHNICAL

Client Sample ID: JW-UR-COMP-120508

Lab Sample ID: 580-32844-5

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/08/2012 14:12

Reporting Basis: WET

Date Received: 05/09/2012 15:15

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	Cobbles	0.00			%			1	PSEP Plumb 1981
	Gravel	0.10			%			1	PSEP Plumb 1981
	Sand	27			%			1	PSEP Plumb 1981
	Silt	61			%			1	PSEP Plumb 1981
	Clay	13			%			1	PSEP Plumb 1981

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GEOTECHNICAL

Client Sample ID: JW-DR-COMP-120508

Lab Sample ID: 580-32844-10

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/08/2012 14:32

Reporting Basis: WET

Date Received: 05/09/2012 15:15

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	Cobbles	0.00			%			1	PSEP Plumb 1981
	Gravel	0.00			%			1	PSEP Plumb 1981
	Sand	6.5			%			1	PSEP Plumb 1981
	Silt	83			%			1	PSEP Plumb 1981
	Clay	11			%			1	PSEP Plumb 1981

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GEOTECHNICAL

Client Sample ID: JW-RG-COMP-120508

Lab Sample ID: 580-32844-15

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/08/2012 17:28

Reporting Basis: WET

Date Received: 05/09/2012 15:15

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	Cobbles	0.00			%			1	PSEP Plumb 1981
	Gravel	6.7			%			1	PSEP Plumb 1981
	Sand	14			%			1	PSEP Plumb 1981
	Silt	70			%			1	PSEP Plumb 1981
	Clay	9.0			%			1	PSEP Plumb 1981

Subcontract Data

Shipping and Receiving Documents



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

32844

Turnaround Requested:

Anchor Contact:

Page 1 of 1

Lab Contact:		Project: <i>Jed Wen</i>			Analyses Requested							Notes/ Comments:		
Lab:	Address:	City, etc.:	Phone:	Fax:	Sample Matrix	Shipping Method:	AirBill #:	Archive	TS	TDG	Bc		Gs	PAH
<i>Test America</i>	<i>5755 8th Street E.</i>	<i>Tacoma WA 98424</i>	<i>253-922-2310</i>	<i>253-922-5047</i>	<i>Surface Sediment</i>	<i>Pick-Up</i>								
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Archive	TS	TDG	Bc	Gs	PAH				
<i>JW-UR-SS47-1205</i>	<i>5/8/12</i>	<i>11:34</i>	<i>Sed</i>	<i>2</i>	<i>X</i>									
<i>JW-UR-SS46-1205</i>	<i>5/8/12</i>	<i>11:26</i>	<i>Sed</i>	<i>2</i>	<i>X</i>									
<i>JW-UR-SS45-1205</i>	<i>5/8/12</i>	<i>11:11</i>	<i>Sed</i>	<i>2</i>	<i>X</i>									
<i>JW-UR-SS44-1205</i>	<i>5/8/12</i>	<i>10:57</i>	<i>Sed</i>	<i>2</i>	<i>X</i>									
<i>JW-UR-COMP-1205</i>	<i>5/8/12</i>	<i>14:12</i>	<i>Sed</i>	<i>2</i>		<i>X</i>								
<i>JW-DR-SS48-1205</i>	<i>5/8/12</i>	<i>10:16</i>	<i>Sed</i>	<i>1</i>	<i>X</i>									
<i>JW-DR-SS49-1205</i>	<i>5/8/12</i>	<i>11:20</i>	<i>Sed</i>	<i>2</i>	<i>X</i>									
<i>JW-DR-SS50-1205</i>	<i>5/8/12</i>	<i>11:40</i>	<i>Sed</i>	<i>2</i>	<i>X</i>									
<i>JW-DR-SS51-1205</i>	<i>5/8/12</i>	<i>11:50</i>	<i>Sed</i>	<i>2</i>	<i>X</i>									
<i>JW-DR-COMP-1205</i>	<i>5/8/12</i>	<i>14:32</i>	<i>Sed</i>	<i>2</i>		<i>X</i>								
<i>JW-RG-SS52-1205</i>	<i>5/8/12</i>	<i>12:05</i>	<i>Sed</i>	<i>2</i>	<i>X</i>									
<i>JW-RG-SS55-1205</i>	<i>5/8/12</i>	<i>12:21</i>	<i>Sed</i>	<i>2</i>	<i>X</i>									
<i>JW-RG-SS53-1205</i>	<i>5/8/12</i>	<i>12:10</i>	<i>Sed</i>	<i>2</i>	<i>X</i>									
<i>JW-RG-SS54-1205</i>	<i>5/8/12</i>	<i>12:22</i>	<i>Sed</i>	<i>2</i>	<i>X</i>									
<i>JW-RG-COMP-1205</i>	<i>5/8/12</i>	<i>17:28</i>	<i>Sed</i>	<i>2</i>		<i>X</i>								

Relinquished: (Signature) <i>Cindy Fields</i>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: <i>Cindy Fields</i>	Printed Name:	Printed Name:		
Company: <i>Anchor QEA</i>	Company:	Company:		
Date/Time: <i>5/9/12 11:30am</i>	Date/Time:	Date/Time:		
Received By: <i>[Signature]</i>	Received By:	Received By:		
Printed Name: <i>Francisco Luna Jr.</i>	Printed Name:	Printed Name:	# of Coolers:	Cooler Temp(s):
Company: <i>TA-SEA</i>	Company:	Company:	COC Seals Intact?	Bottles Intact?
Date/Time: <i>5/9/12 1400</i>	Date/Time:	Date/Time:		

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 580-32844-1

Login Number: 32844

List Source: TestAmerica Seattle

List Number: 1

Creator: Riley, Nicole

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	Sample splitting required for subcontract purposes.
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 580-32844-1

Login Number: 32844
List Number: 1
Creator: Kirchner, Benjamin

List Source: TestAmerica Burlington
List Creation: 05/17/12 04:37 PM

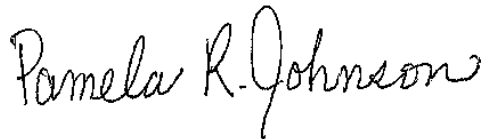
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	385782
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2°C, IR GUN ID 154, CF -0.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

ANALYTICAL REPORT

Job Number: 580-32847-1

Job Description: Jeld-Wen Surface Sediment

For:
Anchor QEA LLC
720 Olive Way
Suite 1900
Seattle, WA 98101
Attention: Cindy Fields



Approved for release.
Pam R Johnson
Project Manager I
6/18/2012 1:24 PM

Pam R Johnson
Project Manager I
pamr.johnson@testamericainc.com
06/18/2012

cc: Lab Data
Niki Masters

TestAmerica Tacoma is a part of TestAmerica Laboratories, Inc.

This report is issued solely for the use of the person or company to whom it is addressed. Any use, copying or disclosure other than by the intended recipient is unauthorized. If you have received this report in error, please notify the sender immediately at 253-922-2310 and destroy this report immediately.

This report shall not be reproduced except in full, without prior express written approval by the laboratory. The results relate only to the item(s) tested and the sample(s) as received by the laboratory.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

TestAmerica Laboratories, Inc.

TestAmerica Seattle 5755 8th Street East, Tacoma, WA 98424
Tel (253) 922-2310 Fax (253) 922-5047 www.testamericainc.com



Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Sample Summary	5
Method Summary	6
Sample Datasheets	7
QC Data Summary	9
QC Association Summary	11
Lab Chronicle	12
Reagent Traceability	13
Certification Summary	14
Inorganic Sample Data	15
General Chemistry Data	15
Gen Chem Cover Page	16
Gen Chem Sample Data	18
Gen Chem QC Data	20
Gen Chem ICV/CCV	20
Gen Chem Blanks	22
Gen Chem LCS/LCSD	24
Gen Chem MDL	26
Gen Chem Analysis Run Log	31
Gen Chem Raw Data	34
Gen Chem Prep Data	86
Geo Cover Page	89
Geo Sample Data	90
Shipping and Receiving Documents	92

Table of Contents

Client Chain of Custody	93
Sample Receipt Checklist	94

CASE NARRATIVE

Client: Anchor QEA LLC
Project: Jeld-Wen Surface Sediment
Report Number: 580-32847-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 05/10/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.9 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

PUGET SOUND ESTUARY PROGRAM TOTAL ORGANIC CARBON

Sample JW-EA05-COMP-120509 (580-32847-5) was analyzed for Puget Sound Estuary Program total organic carbon in accordance with EPA SW-846 Method 9060, modified to meet the Puget Sound Estuary Program requirements. The samples were analyzed on 06/11/2012.

Due to high sample volume, not all samples could be run within hold. The sample was frozen to extend the hold time and ran when instrument capacity was available.

No other difficulties were encountered during the PSEP TOC analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Sample JW-EA05-COMP-120509 (580-32847-5) was analyzed for percent solids in accordance with ASTM D2216. The samples were analyzed on 05/22/2012.

No difficulties were encountered during the % solids analysis.

All quality control parameters were within the acceptance limits.

GRAIN SIZE

Sample JW-EA05-COMP-120509 (580-32847-5) was analyzed for grain size in accordance with D422. The samples were analyzed on 06/08/2012.

No difficulties were encountered during the grain size analysis.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32847-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-32847-1	JW-EA05-SS19-120509	Solid	05/09/2012 1132	05/10/2012 1600
580-32847-2	JW-EA05-SS20-120509	Solid	05/09/2012 1155	05/10/2012 1600
580-32847-3	JW-EA05-SS18-120509	Solid	05/09/2012 1055	05/10/2012 1600
580-32847-4	JW-EA05-SS17-120509	Solid	05/09/2012 1010	05/10/2012 1600
580-32847-5	JW-EA05-COMP-120509	Solid	05/09/2012 1414	05/10/2012 1600

METHOD SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32847-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
TOC (Puget Sound)	TAL SEA	PSEP 9060_PSEP	
Percent Moisture	TAL SEA	ASTM D 2216	
Black Carbon (Lloyd Kahn)	TAL BUR	EPA Lloyd Kahn	
Auto LabComplete Method for Specialized Pricing in US-Steel	TAL SEA	AutoGenChem	

Lab References:

TAL BUR = TestAmerica Burlington

TAL SEA = TestAmerica Seattle

Method References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

PSEP = Puget Sound Estuary Program

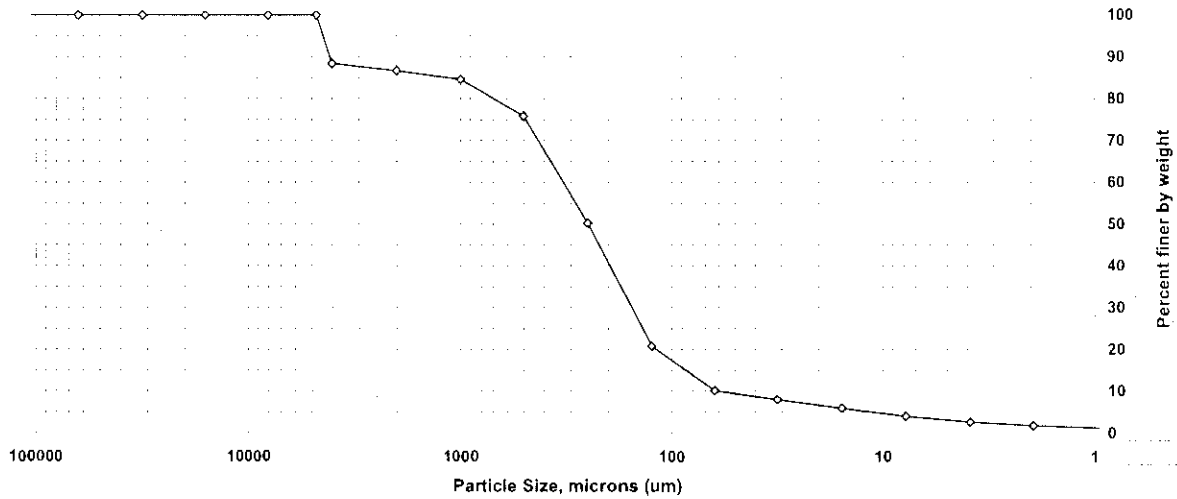


Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA05-COMP-120509
 Lab ID: 580-32847-A-5

Percent Solids: 67%
 Specific Gravity: 2.650

Date Received: 5/9/2012
 Start Date: 6/8/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	88.4	11.6
#10	2000	86.7	1.7
#18	1000	84.6	2.1
#35	500	75.8	8.8
#60	250	50.2	25.6
#120	125	20.8	29.4
#230	63	10.1	10.7
Phi Size 4 to 5	31.42	7.9	2.2
Phi Size 5 to 6	15.6	5.9	2.1
Phi Size 6 to 7	7.8	3.9	1.9
Phi Size 7 to 8	3.9	2.6	1.4
Phi Size 8 to 9	1.95	1.7	0.8
Phi Size 9 to 10	0.98	1.2	0.5
Phi Size 10 to 11	0.49	0.0	1.2
>Phi Size 11	<0.98		0.0

Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	13
Sand	77
Very Coarse Sand	2.1
Coarse Sand	8.8
Medium Sand	25.6
Fine Sand	29.4
Very Fine Sand	10.7
Silt	7.5
Coarse Silt	2.2
Medium Silt	2.1
Fine Silt	1.9
Very Fine Silt	1.4
Clay	2.6
Coarse Clay	0.8
Medium Clay	0.5
Fine Clay	1.2

Percent finer by weight

Client: Anchor QEA LLC

Job Number: 580-32847-1

General Chemistry

Client Sample ID: JW-EA05-COMP-120509

Lab Sample ID: 580-32847-5

Date Sampled: 05/09/2012 1414

Client Matrix: Solid

Date Received: 05/10/2012 1600

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	7400		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113152		Analysis Date: 06/11/2012 1915				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	67		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111866		Analysis Date: 05/22/2012 1548				DryWt Corrected: N
Percent Moisture	33		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111866		Analysis Date: 05/22/2012 1548				DryWt Corrected: N
Black Carbon	1500		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39415		Analysis Date: 05/29/2012 1314				DryWt Corrected: N

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32847-1

Method Blank - Batch: 580-113152

**Method: 9060_PSEP
Preparation: N/A**

Lab Sample ID:	MB 580-113152/3	Analysis Batch:	580-113152	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	06/11/2012 1809	Units:	mg/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		610	2000

Lab Control Sample - Batch: 580-113152

**Method: 9060_PSEP
Preparation: N/A**

Lab Sample ID:	LCS 580-113152/4	Analysis Batch:	580-113152	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	06/11/2012 1811	Units:	mg/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	2720	2830	104	34 - 166	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32847-1

Method Blank - Batch: 200-39415

Method: Lloyd Kahn

Preparation: N/A

Lab Sample ID:	MB 200-39415/3	Analysis Batch:	200-39415	Instrument ID:	WCCH2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	052912A003
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	05/29/2012 1209	Units:	mg/Kg	Final Weight/Volume:	1.0 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Black Carbon	ND		1000	1000

Lab Control Sample - Batch: 200-39415

Method: Lloyd Kahn

Preparation: N/A

Lab Sample ID:	LCS 200-39415/4	Analysis Batch:	200-39415	Instrument ID:	WCCH2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	052912A005
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	05/29/2012 1222	Units:	mg/Kg	Final Weight/Volume:	1.0 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Black Carbon	9900	13100	132	50 - 150	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32847-1

QC Association Summary

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Report Basis</u>	<u>Client Matrix</u>	<u>Method</u>	<u>Prep Batch</u>
General Chemistry					
Analysis Batch:200-39415					
LCS 200-39415/4	Lab Control Sample	T	Solid	Lloyd Kahn	
MB 200-39415/3	Method Blank	T	Solid	Lloyd Kahn	
580-32847-5	JW-EA05-COMP-120509	T	Solid	Lloyd Kahn	
Analysis Batch:580-111866					
580-32847-5	JW-EA05-COMP-120509	T	Solid	D 2216	
Analysis Batch:580-113152					
LCS 580-113152/4	Lab Control Sample	T	Solid	9060_PSEP	
MB 580-113152/3	Method Blank	T	Solid	9060_PSEP	
580-32847-5	JW-EA05-COMP-120509	T	Solid	9060_PSEP	

Report Basis

T = Total

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32847-1

Laboratory Chronicle

Lab ID: 580-32847-5

Client ID: JW-EA05-COMP-120509

Sample Date/Time: 05/09/2012 14:14

Received Date/Time: 05/10/2012 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32847-A-5		580-113152		06/11/2012 19:15	1	TAL SEA	AM
A:D 2216	580-32847-D-5		580-111866		05/22/2012 15:48	1	TAL SEA	EZ
A:Lloyd Kahn	580-32847-A-5		200-39415		05/29/2012 13:14	1	TAL BUR	AJN

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	MB 580-113152/3		580-113152		06/11/2012 18:09	1	TAL SEA	AM
A:Lloyd Kahn	MB 200-39415/3		200-39415		05/29/2012 12:09	1	TAL BUR	AJN

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	LCS 580-113152/4		580-113152		06/11/2012 18:11	1	TAL SEA	AM
A:Lloyd Kahn	LCS 200-39415/4		200-39415		05/29/2012 12:22	1	TAL BUR	AJN

Lab References:

TAL BUR = TestAmerica Burlington

TAL SEA = TestAmerica Seattle

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32847-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
CaCO3_00002	06/02/17		ACROS, Lot A0311356		(Purchased Reagent)		Total Organic Carbon	12 g
TOCS_LCS_00002	03/31/13		ERA, Lot D066-542		(Purchased Reagent)		Total Organic Carbon	2720 mg/Kg
WCBCLCSs_00006	03/31/19		NIST, Lot SRM1944		(Purchased Reagent)		Black Carbon	0.0099 g/g
WCLKCCVs_00006	11/17/12		COSTECH, Lot NA		(Purchased Reagent)		Black Carbon	0.7109 g/g

Certification Summary

Client: Anchor QEA LLC
 Project/Site: Jeld-Wen Surface Sediment

TestAmerica Job ID: 580-32847-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska (UST)	State Program	10	UST-022
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	Florida	NELAC	4	E871074
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Louisiana	NELAC	6	05016
TestAmerica Seattle	Montana (UST)	State Program	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	Federal		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553
TestAmerica Burlington	ACLASS	DoD ELAP		ADE-1492
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act	State Program	3	NA
TestAmerica Burlington	Florida	NELAC	4	E87467
TestAmerica Burlington	Louisiana	NELAC	6	176292
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAC	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAC	1	200610
TestAmerica Burlington	New Jersey	NELAC	2	VT972
TestAmerica Burlington	New York	NELAC	2	10391
TestAmerica Burlington	Pennsylvania	NELAC	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAC	3	460209

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32847-1

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID
JW-EA05-COMP-120509

Lab Sample ID
580-32847-5

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 580-32847-1

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID
JW-EA05-COMP-120509

Lab Sample ID
580-32847-5

Comments:

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA05-COMP-120509

Lab Sample ID: 580-32847-5

Lab Name: TestAmerica Seattle

Job No.: 580-32847-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/09/2012 14:14

Reporting Basis: WET

Date Received: 05/10/2012 16:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	7400	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA05-COMP-120509

Lab Sample ID: 580-32847-5

Lab Name: TestAmerica Burlington

Job No.: 580-32847-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/09/2012 14:14

Reporting Basis: WET

Date Received: 05/10/2012 16:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1500	1000		mg/Kg			1	Lloyd Kahn

2-IN
 CALIBRATION QUALITY CONTROL
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32847-1
 SDG No.: _____
 Analyst: AM Batch Start Date: 06/11/2012
 Reporting Units: mg/Kg Analytical Batch No.: 113152

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	18:05	Total Organic Carbon	119000	120000	99	80-120		CaCO3_00002
2	ICB	18:07	Total Organic Carbon	ND					
12	CCV	18:45	Total Organic Carbon	121000	120000	101	80-120		CaCO3_00002
13	CCB	18:47	Total Organic Carbon	ND					
24	CCV	19:33	Total Organic Carbon	121000	120000	101	80-120		CaCO3_00002
25	CCB	19:35	Total Organic Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 580-32847-1

SDG No.: _____

Analyst: AJN Batch Start Date: 05/29/2012

Reporting Units: mg/Kg Analytical Batch No.: 39415

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	11:55	Black Carbon	706000	711000	99	85-115		WCLKCCVs_00006
2	ICB	12:02	Black Carbon	ND					
9	CCV	13:28	Black Carbon	756000	711000	106	85-115		WCLKCCVs_00006
10	CCB	13:35	Black Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle

Job No.: 580-32847-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 113152 Date: 06/11/2012 18:09							
9060_PSEP	MB 580-113152/3	Total Organic Carbon	ND		mg/Kg	2000	1

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington

Job No.: 580-32847-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 39415 Date: 05/29/2012 12:09							
Lloyd Kahn	MB 200-39415/3	BC Result 1	ND		mg/Kg	1000	1
Lloyd Kahn	MB 200-39415/3	BC Result 2	ND		mg/Kg	1000	1
Lloyd Kahn	MB 200-39415/3	Black Carbon	ND		mg/Kg	1000	1

7A-IN
 LAB CONTROL SAMPLE
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32847-1
 SDG No.: _____
 Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 113152		Date: 06/11/2012 18:11									
						LCS Source: TOCS_LCS_00002					
9060_PS	LCS	Total Organic Carbon	2830		mg/Kg	2720	104	34-166			
EP	580-113152/4										

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 580-32847-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 39415		Date: 05/29/2012 12:22									
						LCS Source: WCBCLCSs_00006					
Lloyd	LCS	Black Carbon	13100		mg/Kg	9900	132	50-150			
Kahn	200-39415/4										

Calculations are performed before rounding to avoid round-off errors in calculated results.

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32847-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP MDL Date: 04/24/2008 14:41

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Total Organic Carbon		2000	608

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32847-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP XMDL Date: 11/01/2009 12:22

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Total Organic Carbon		2000	608

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32847-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: D 2216 RL Date: 01/01/2005 13:13

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 580-32847-1
SDG Number: _____
Matrix: Solid Instrument ID: WCCH2
Method: Lloyd Kahn RL Date: 05/27/2011 10:47

Analyte	Wavelength/ Mass	RL (mg/Kg)	
Black Carbon		1000	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 580-32847-1
SDG Number: _____
Matrix: Solid Instrument ID: WCCH2
Method: Lloyd Kahn XMDL Date: 05/27/2011 10:48

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Black Carbon		1000	110

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32847-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 9060_PSEP

Start Date: 06/11/2012 18:05 End Date: 06/11/2012 20:12

Lab Sample ID	D / F	T y p e	Time	Analytes															
				T O C															
ICV 580-113152/1	1		18:05	X															
ZZZZZZ			18:05																
ICB 580-113152/2	1		18:07	X															
MB 580-113152/3	1	T	18:09	X															
LCS 580-113152/4	1	T	18:11	X															
ZZZZZZ			18:16																
ZZZZZZ			18:20																
ZZZZZZ			18:24																
ZZZZZZ			18:28																
ZZZZZZ			18:33																
ZZZZZZ			18:35																
ZZZZZZ			18:40																
CCV 580-113152/12	1		18:45	X															
CCB 580-113152/13	1		18:47	X															
ZZZZZZ			18:49																
ZZZZZZ			18:53																
ZZZZZZ			18:58																
ZZZZZZ			19:02																
ZZZZZZ			19:06																
ZZZZZZ			19:10																
580-32847-5	1	T	19:15	X															
ZZZZZZ			19:19																
ZZZZZZ			19:23																
ZZZZZZ			19:28																
CCV 580-113152/24	1		19:33	X															
CCB 580-113152/25	1		19:35	X															
ZZZZZZ			19:38																
ZZZZZZ			19:42																
ZZZZZZ			19:47																
ZZZZZZ			19:52																
ZZZZZZ			19:57																
ZZZZZZ			20:01																
CCV 580-113152/32			20:10																
CCB 580-113152/33			20:12																

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32847-1

SDG No.: _____

Instrument ID: NOEQUIP Method: D 2216

Start Date: 05/22/2012 15:48 End Date: 05/22/2012 15:48

Lab Sample ID	D / F	Type	Time	Analytes																
				% S o l	M o i s t															
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
580-32847-5	1	T	15:48	X	X															

Prep Types
T = Total/NA

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICV		0.2082	TA SOIL LINNEAR	6/11/2012 6:05:00 PM	11.85	E08

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICB		0.1921	TA SOIL LINNEAR	6/11/2012 6:07:13 PM	-0.01494	E09

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
MB		0.2289	TA SOIL LINNEAR	6/11/2012 6:09:26 PM	-0.01515	E10

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
LCSCRM		0.1915	TA SOIL LINNEAR	6/11/2012 6:11:38 PM	0.2828	A01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-7 msd		0.1561	0.1124 TA SOIL LINNEAR	6/11/2012 6:14:09 PM	7.438	A02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-3		0.0996	TA SOIL LINNEAR	6/11/2012 6:16:20 PM	0.7982	A03
33192-A-3		0.1002	TA SOIL LINNEAR	6/11/2012 6:18:17 PM	0.8087	A04
Average		0.0999			0.8034	
Std. Deviation		0.0004			0.00741	
RSD		0.425			0.922	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4		0.1069	TA SOIL LINNEAR	6/11/2012 6:20:28 PM	0.7747	A05
33192-A-4		0.0999	TA SOIL LINNEAR	6/11/2012 6:22:39 PM	0.7627	A06
Average		0.1034			0.7687	
Std. Deviation		0.005			0.00848	
RSD		4.787			1.103	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4 dup		0.0983	TA SOIL LINNEAR	6/11/2012 6:24:50 PM	0.7951	A07
33192-A-4 dup		0.0962	TA SOIL LINNEAR	6/11/2012 6:26:47 PM	0.7897	A08
Average		0.0973			0.7924	
Std. Deviation		0.001			0.00385	
RSD		1.527			0.486	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4 trip		0.1086	TA SOIL LINNEAR	6/11/2012 6:28:58 PM	0.8594	A09
33192-A-4 trip		0.0970	TA SOIL LINNEAR	6/11/2012 6:30:54 PM	0.8176	A10
Average		0.1028			0.8385	
Std. Deviation		0.008			0.02957	
RSD		7.979			3.526	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4 ms	0.1027	0.1144	TA SOIL LINNEAR	6/11/2012 6:33:16 PM	11.80	B01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4 msd	0.1908	0.1171	TA SOIL LINNEAR	6/11/2012 6:35:56 PM	21.06	B02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-5		0.1148	TA SOIL LINNEAR	6/11/2012 6:40:30 PM	0.8209	B03
33192-A-5		0.1052	TA SOIL LINNEAR	6/11/2012 6:42:41 PM	0.8639	B04
Average		0.1100			0.8424	
Std. Deviation		0.007			0.03040	
RSD		6.171			3.609	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-1		0.1171	TA SOIL LINNEAR	6/11/2012 6:45:16 PM	12.11	B05

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-1		0.2116	TA SOIL LINNEAR	6/11/2012 6:47:27 PM	-0.003191	B06

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33209-A-1		0.1109	TA SOIL LINNEAR	6/11/2012 6:49:38 PM	1.275	B07
33209-A-1		0.0996	TA SOIL LINNEAR	6/11/2012 6:51:49 PM	1.295	B08
Average		0.1053			1.285	
Std. Deviation		0.008			0.0142	
RSD		7.592			1.102	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33209-A-2		0.1073	TA SOIL LINNEAR	6/11/2012 6:53:46 PM	1.226	B09
33209-A-2		0.1103	TA SOIL LINNEAR	6/11/2012 6:55:58 PM	1.041	B10
Average		0.1088			1.133	
Std. Deviation		0.002			0.1306	
RSD		1.950			11.53	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33209-A-3		0.1119	TA SOIL LINNEAR	6/11/2012 6:58:09 PM	1.105	C01
33209-A-3		0.0982	TA SOIL LINNEAR	6/11/2012 8:08:05 PM	1.147	A04
Average		0.1051			1.126	
Std. Deviation		0.010			0.0294	
RSD		9.222			2.606	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32844-A-5		0.1990	TA SOIL LINNEAR	6/11/2012 7:02:17 PM	2.028	C03
32844-A-5		0.1977	TA SOIL LINNEAR	6/11/2012 7:04:28 PM	2.013	C04
Average		0.1984			2.021	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
Std. Deviation		0.0009			0.0107	
RSD		0.463			0.531	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32844-A-10		0.2064	TA SOIL LINNEAR	6/11/2012 7:06:28 PM	2.038	C05
32844-A-10		0.2153	TA SOIL LINNEAR	6/11/2012 7:08:39 PM	2.020	C06
Average		0.2108			2.029	
Std. Deviation		0.006			0.0124	
RSD		2.985			0.609	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32844-A-15		0.1966	TA SOIL LINNEAR	6/11/2012 7:10:37 PM	2.215	C07
32844-A-15		0.1996	TA SOIL LINNEAR	6/11/2012 7:12:49 PM	2.407	C08
Average		0.1981			2.311	
Std. Deviation		0.002			0.1361	
RSD		1.071			5.888	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32847-A-5		0.2112	TA SOIL LINNEAR	6/11/2012 7:15:00 PM	0.6676	C09
32847-A-5		0.2022	TA SOIL LINNEAR	6/11/2012 7:17:11 PM	0.8198	C10
Average		0.2067			0.7437	
Std. Deviation		0.006			0.10759	
RSD		3.079			14.47	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42223-A-15		0.1965	TA SOIL LINNEAR	6/11/2012 7:19:11 PM	1.745	D01
720-42223-A-15		0.1987	TA SOIL LINNEAR	6/11/2012 7:21:22 PM	1.825	D02
Average		0.1976			1.785	
Std. Deviation		0.002			0.0562	
RSD		0.787			3.150	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42242-A-1		0.2038	TA SOIL LINNEAR	6/11/2012 7:23:44 PM	0.3551	D03
720-42242-A-1		0.1987	TA SOIL LINNEAR	6/11/2012 7:26:06 PM	0.3288	D04
Average		0.2012			0.3420	
Std. Deviation		0.004			0.01860	
RSD		1.792			5.440	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42242-A-6		0.2179	TA SOIL LINNEAR	6/11/2012 7:28:29 PM	0.2799	D05
720-42242-A-6		0.2009	TA SOIL LINNEAR	6/11/2012 7:30:56 PM	0.2810	D06
Average		0.2094			0.2804	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
Std. Deviation		0.01			0.00077	
RSD		5.741			0.275	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-2		0.1066	TA SOIL LINNEAR	6/11/2012 7:33:36 PM	12.12	D07

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-2		0.2045	TA SOIL LINNEAR	6/11/2012 7:35:47 PM	0.04832	D08

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42243-A-1		0.2136	TA SOIL LINNEAR	6/11/2012 7:38:14 PM	0.3706	D09
720-42243-A-1		0.2129	TA SOIL LINNEAR	6/11/2012 7:40:37 PM	0.3626	D10
Average		0.2133			0.3666	
Std. Deviation		0.0005			0.00571	
RSD		0.232			1.557	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42243-A-6		0.2174	TA SOIL LINNEAR	6/11/2012 7:42:59 PM	0.3195	E01
720-42243-A-6		0.2162	TA SOIL LINNEAR	6/11/2012 7:45:24 PM	0.3252	E02
Average		0.2168			0.3223	
Std. Deviation		0.0008			0.00406	
RSD		0.391			1.260	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42244-A-1		0.1986	TA SOIL LINNEAR	6/11/2012 7:47:37 PM	0.3033	E03
720-42244-A-1		0.2097	TA SOIL LINNEAR	6/11/2012 7:50:00 PM	0.3256	E04
Average		0.2041			0.3145	
Std. Deviation		0.008			0.01577	
RSD		3.845			5.015	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42244-A-6		0.1980	TA SOIL LINNEAR	6/11/2012 7:52:29 PM	0.2499	E05
720-42244-A-6		0.2148	TA SOIL LINNEAR	6/11/2012 7:54:58 PM	0.2909	E06
Average		0.2064			0.2704	
Std. Deviation		0.01			0.02898	
RSD		5.756			10.72	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42245-A-1		0.2063	TA SOIL LINNEAR	6/11/2012 7:57:09 PM	2.628	E07
720-42245-A-1		0.1989	TA SOIL LINNEAR	6/11/2012 7:59:07 PM	2.406	E08
Average		0.2026			2.517	
Std. Deviation		0.005			0.1570	
RSD		2.583			6.237	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42245-A-6		0.2016	TA SOIL LINNEAR	6/11/2012 8:01:21 PM	0.9296	E09
720-42245-A-6		0.2005	TA SOIL LINNEAR	6/11/2012 8:03:32 PM	1.159	E10
Average		0.2011			1.044	
Std. Deviation		0.0008			0.1625	
RSD		0.387			15.56	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-3		0.1065	TA SOIL LINNEAR	6/11/2012 8:10:44 PM	12.17	A02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-3		0.1942	TA SOIL LINNEAR	6/11/2012 8:12:55 PM	-0.008384	A03

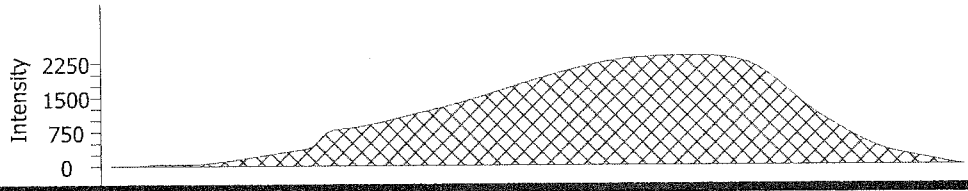
Element	Average	Std. Deviation	RSD	Count
Mass	0.1655	0.05	29.86	55
Carbon %	2.413	4.2288	175.3	55

SC632

ICV

Name	Description	Mass	Method
ICV		0.2082	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:05:00 PM	E08		

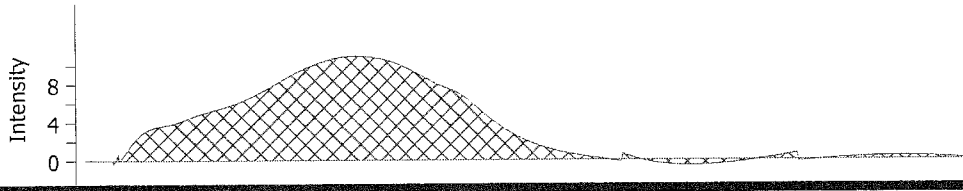
Carbon %
11.85



ICB

Name	Description	Mass	Method
ICB		0.1921	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:07:13 PM	E09		

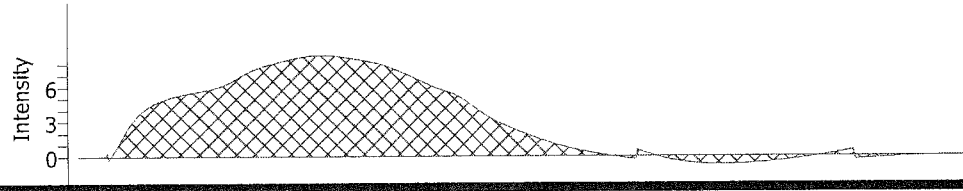
Carbon %
-0.01494



MB

Name	Description	Mass	Method
MB		0.2289	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:09:26 PM	E10		

Carbon %
-0.01515

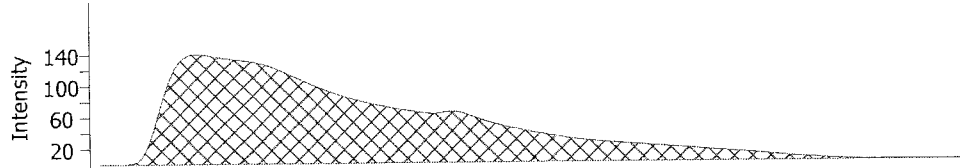


SC632

LCSCRM

Name	Description	Mass	Method
LCSCRM		0.1915	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:11:38 PM		A01	

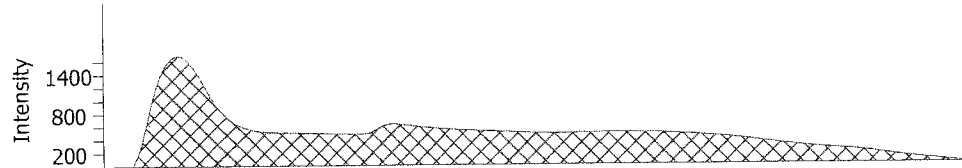
Carbon %
0.2828



32803-A-7 msd

Name	Description	Mass	Method
32803-A-7 msd	0.1561	0.1124	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:14:09 PM		A02	

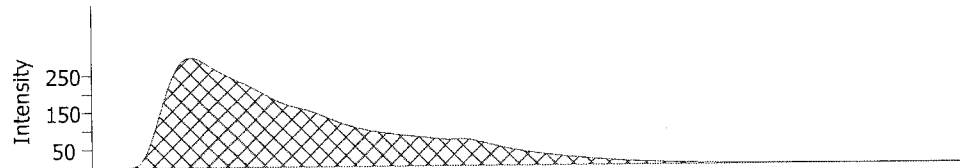
Carbon %
7.438



33192-A-3

Name	Description	Mass	Method
33192-A-3		0.0996	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:16:20 PM		A03	

Carbon %
0.7982

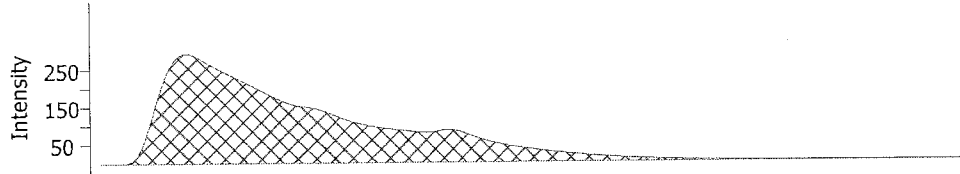


SC632

33192-A-3

Name	Description	Mass	Method
33192-A-3		0.1002	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:18:17 PM	A04		

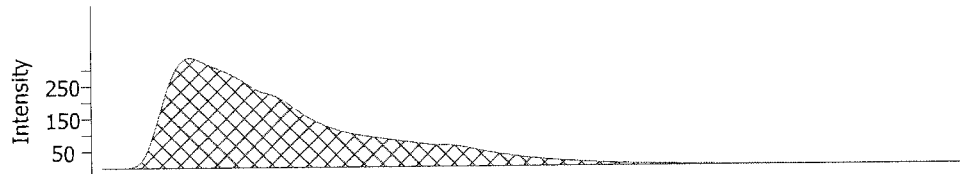
Carbon %
0.8087



33192-A-4

Name	Description	Mass	Method
33192-A-4		0.1069	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:20:28 PM	A05		

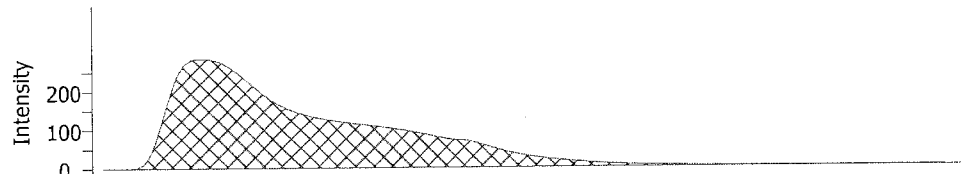
Carbon %
0.7747



33192-A-4

Name	Description	Mass	Method
33192-A-4		0.0999	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:22:39 PM	A06		

Carbon %
0.7627

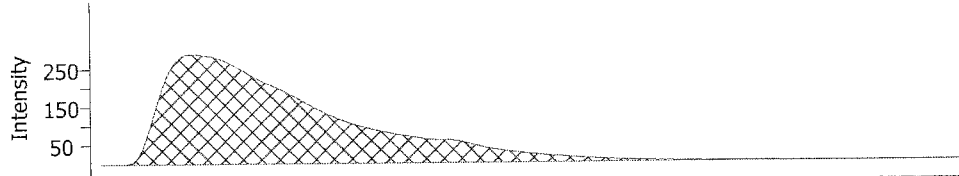


SC632

33192-A-4 dup

Name	Description	Mass	Method
33192-A-4 dup		0.0983	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:24:50 PM		A07	

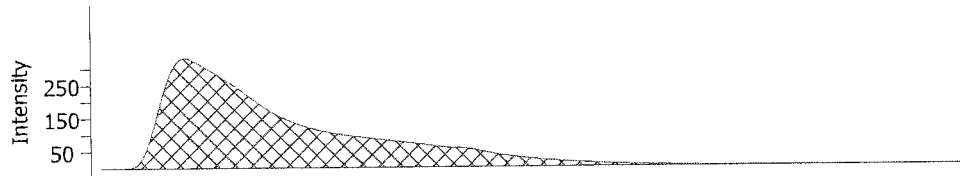
Carbon %
0.7951



33192-A-4 dup

Name	Description	Mass	Method
33192-A-4 dup		0.0962	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:26:47 PM		A08	

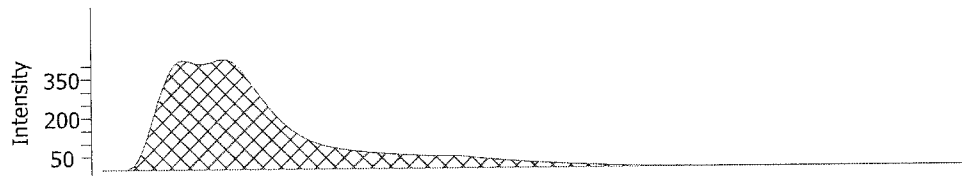
Carbon %
0.7897



33192-A-4 trip

Name	Description	Mass	Method
33192-A-4 trip		0.1086	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:28:58 PM		A09	

Carbon %
0.8594

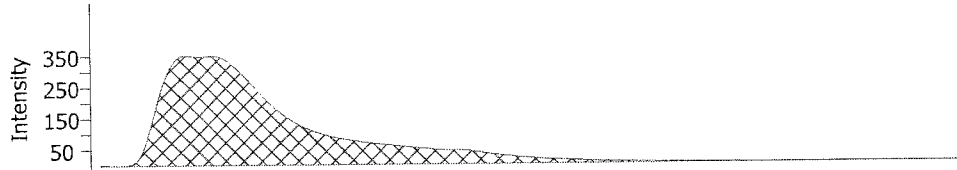


SC632

33192-A-4 trip

Name	Description	Mass	Method
33192-A-4 trip		0.0970	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:30:54 PM	A10		

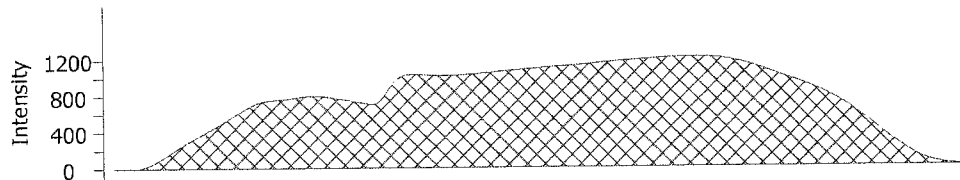
Carbon %
0.8176



33192-A-4 ms

Name	Description	Mass	Method
33192-A-4 ms	0.1027	0.1144	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:33:16 PM	B01		

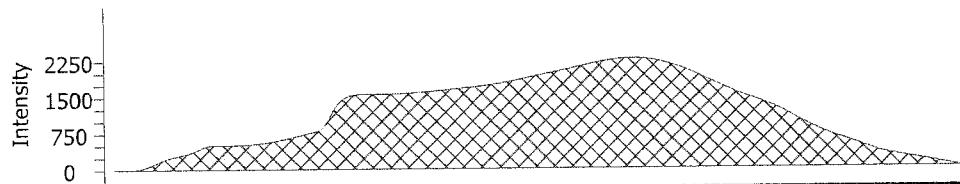
Carbon %
11.80



33192-A-4 msd

Name	Description	Mass	Method
33192-A-4 msd	0.1908	0.1171	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:35:56 PM	B02		

Carbon %
21.06

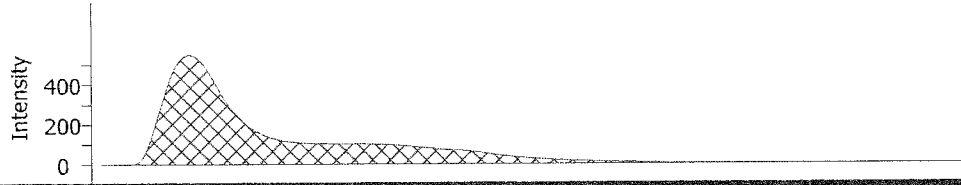


SC632

33192-A-5

Name	Description	Mass	Method
33192-A-5		0.1148	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:40:30 PM	B03		

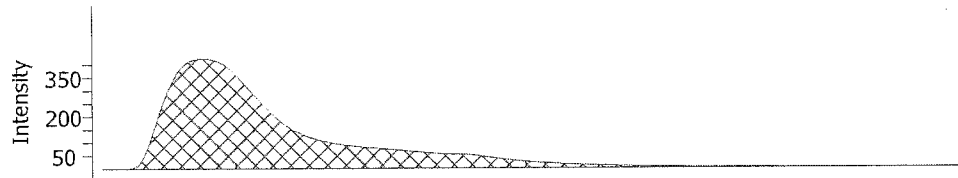
Carbon %
0.8209



33192-A-5

Name	Description	Mass	Method
33192-A-5		0.1052	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:42:41 PM	B04		

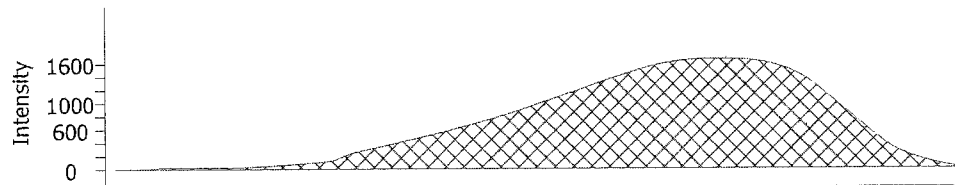
Carbon %
0.8639



CCV-1

Name	Description	Mass	Method
CCV-1		0.1171	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:45:16 PM	B05		

Carbon %
12.11

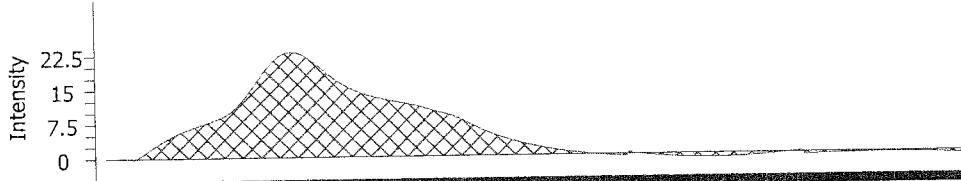


SC632

CCB-1

Name	Description	Mass	Method
CCB-1		0.2116	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:47:27 PM		B06	

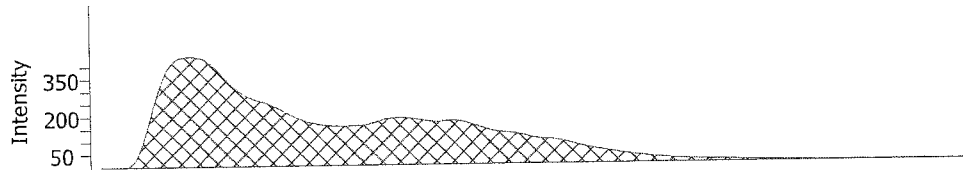
Carbon %
-0.003191



33209-A-1

Name	Description	Mass	Method
33209-A-1		0.1109	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:49:38 PM		B07	

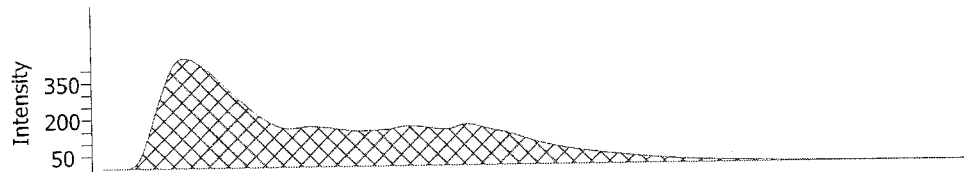
Carbon %
1.275



33209-A-1

Name	Description	Mass	Method
33209-A-1		0.0996	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:51:49 PM		B08	

Carbon %
1.295

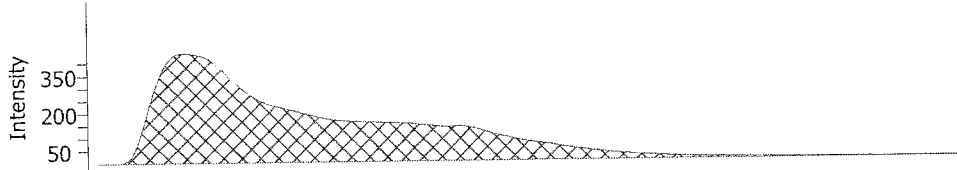


SC632

33209-A-2

Name	Description	Mass	Method
33209-A-2		0.1073	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:53:46 PM	B09		

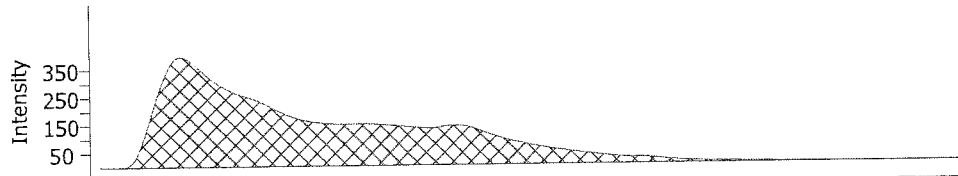
Carbon %
1.226



33209-A-2

Name	Description	Mass	Method
33209-A-2		0.1103	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:55:58 PM	B10		

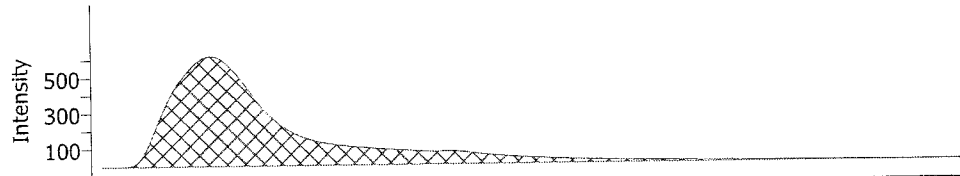
Carbon %
1.041



33209-A-3

Name	Description	Mass	Method
33209-A-3		0.1119	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:58:09 PM	C01		

Carbon %
1.105

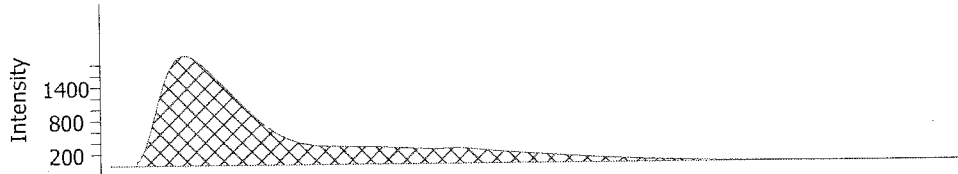


SC632

32844-A-5

Name	Description	Mass	Method
32844-A-5		0.1990	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:02:17 PM	C03		

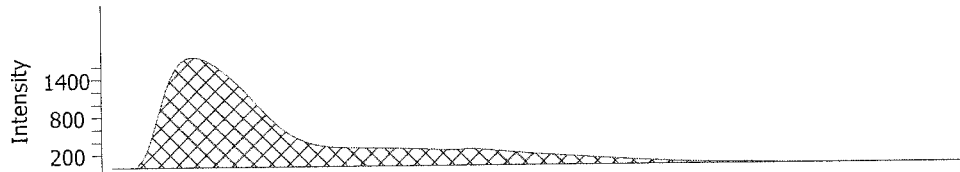
Carbon %
2.028



32844-A-5

Name	Description	Mass	Method
32844-A-5		0.1977	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:04:28 PM	C04		

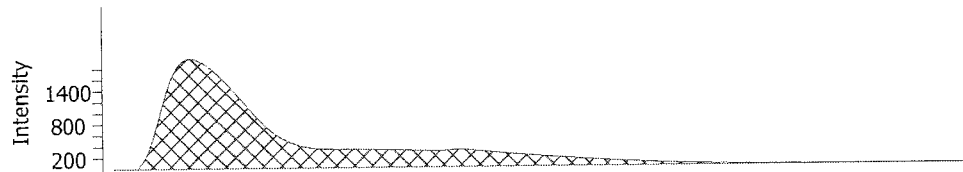
Carbon %
2.013



32844-A-10

Name	Description	Mass	Method
32844-A-10		0.2064	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:06:28 PM	C05		

Carbon %
2.038

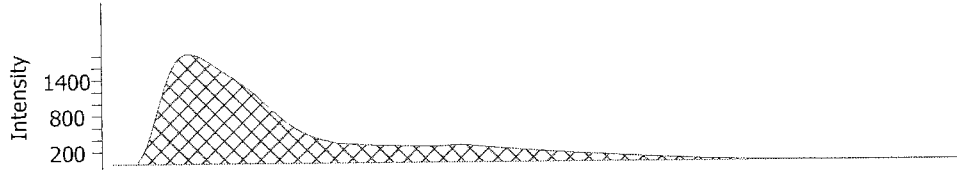


SC632

32844-A-10

Name	Description	Mass	Method
32844-A-10		0.2153	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:08:39 PM	C06		

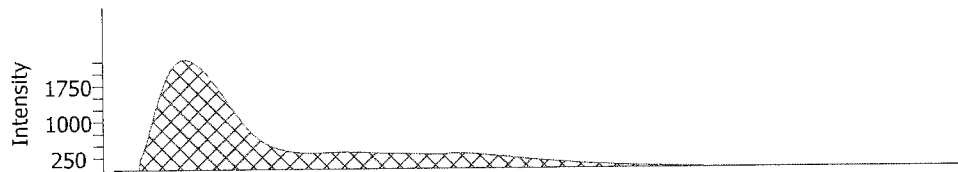
Carbon %
2.020



32844-A-15

Name	Description	Mass	Method
32844-A-15		0.1966	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:10:37 PM	C07		

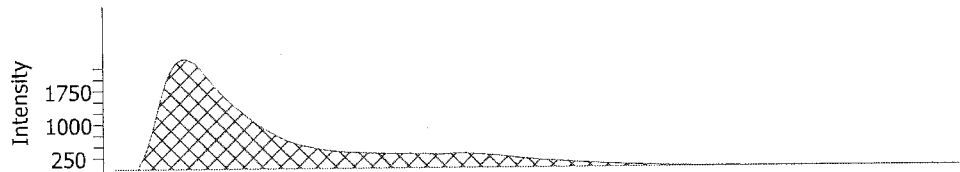
Carbon %
2.215



32844-A-15

Name	Description	Mass	Method
32844-A-15		0.1996	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:12:49 PM	C08		

Carbon %
2.407

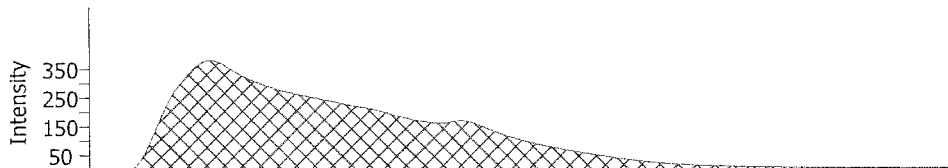


SC632

32847-A-5

Name	Description	Mass	Method
32847-A-5		0.2112	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:15:00 PM	C09		

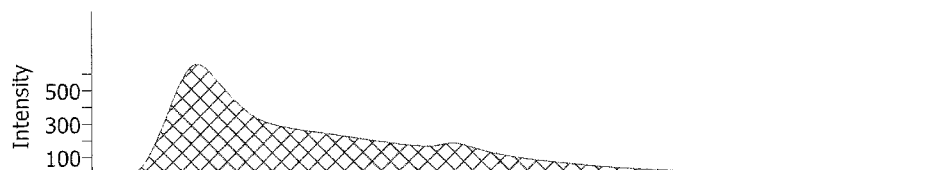
Carbon %
0.6676



32847-A-5

Name	Description	Mass	Method
32847-A-5		0.2022	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:17:11 PM	C10		

Carbon %
0.8198



720-42223-A-15

Name	Description	Mass	Method
720-42223-A-15		0.1965	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:19:11 PM	D01		

Carbon %
1.745

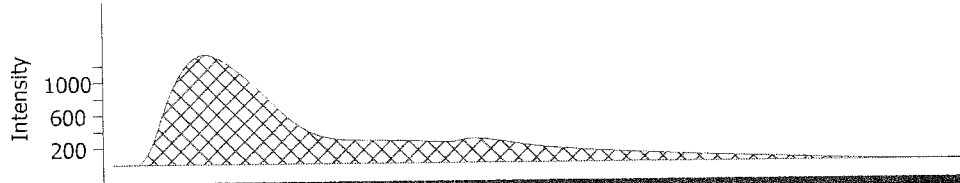


SC632

720-42223-A-15

Name	Description	Mass	Method
720-42223-A-15		0.1987	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:21:22 PM	D02		

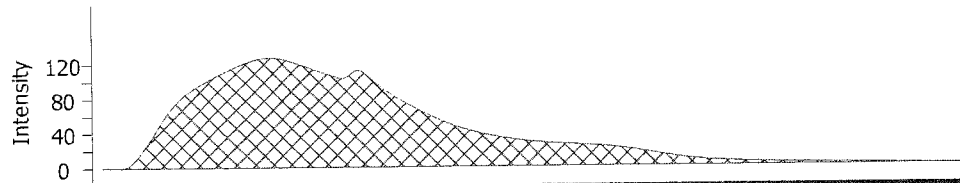
Carbon %
1.825



720-42242-A-1

Name	Description	Mass	Method
720-42242-A-1		0.2038	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:23:44 PM	D03		

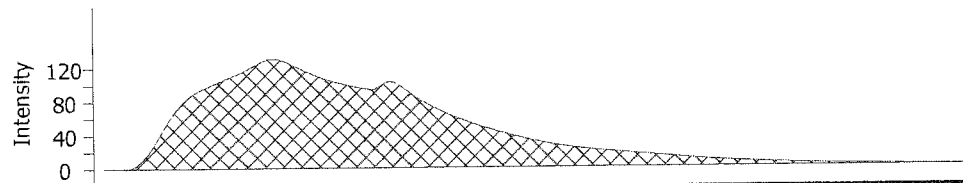
Carbon %
0.3551



720-42242-A-1

Name	Description	Mass	Method
720-42242-A-1		0.1987	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:26:06 PM	D04		

Carbon %
0.3288

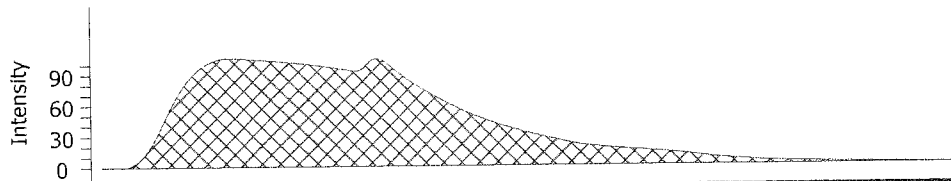


SC632

720-42242-A-6

Name	Description	Mass	Method
720-42242-A-6		0.2179	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:28:29 PM	D05		

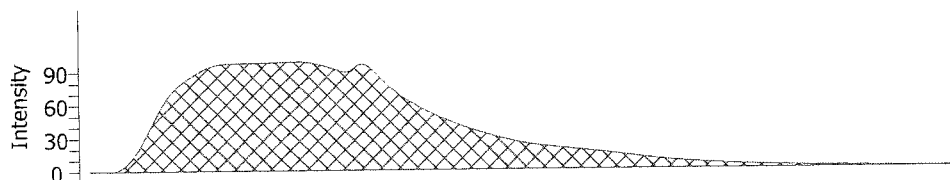
Carbon %
0.2799



720-42242-A-6

Name	Description	Mass	Method
720-42242-A-6		0.2009	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:30:56 PM	D06		

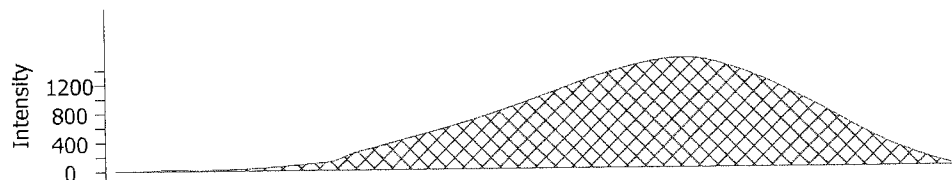
Carbon %
0.2810



CCV-2

Name	Description	Mass	Method
CCV-2		0.1066	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:33:36 PM	D07		

Carbon %
12.12

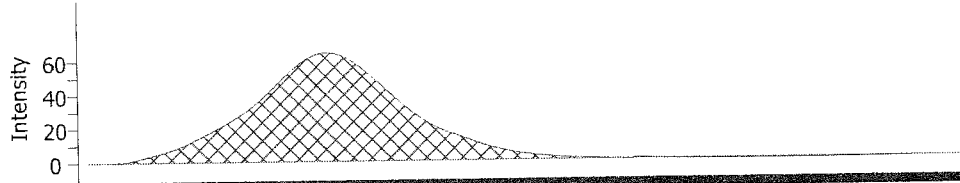


SC632

CCB-2

Name	Description	Mass	Method
CCB-2		0.2045	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:35:47 PM		D08	

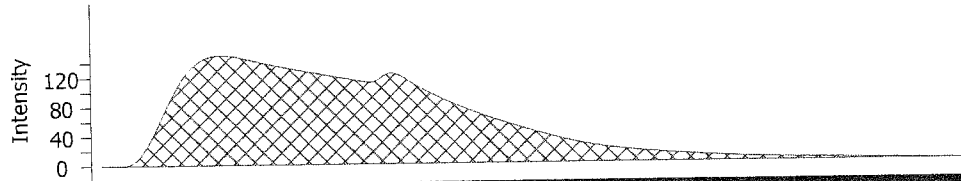
Carbon %
0.04832



720-42243-A-1

Name	Description	Mass	Method
720-42243-A-1		0.2136	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:38:14 PM		D09	

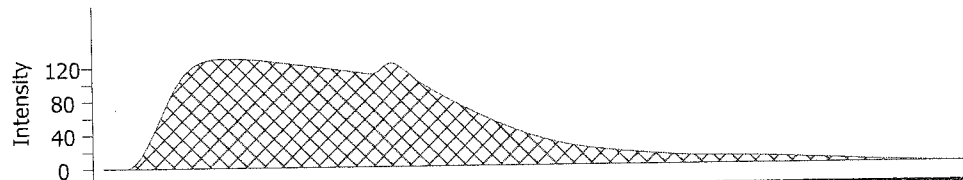
Carbon %
0.3706



720-42243-A-1

Name	Description	Mass	Method
720-42243-A-1		0.2129	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:40:37 PM		D10	

Carbon %
0.3626

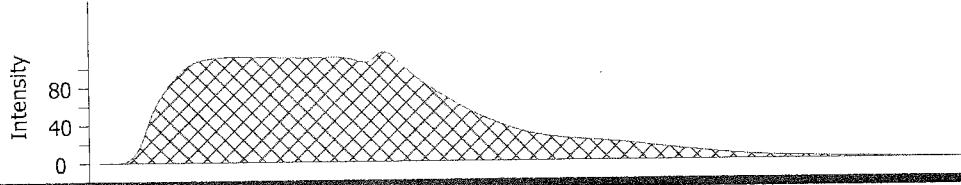


SC632

720-42243-A-6

Name	Description	Mass	Method
720-42243-A-6		0.2174	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:42:59 PM		E01	

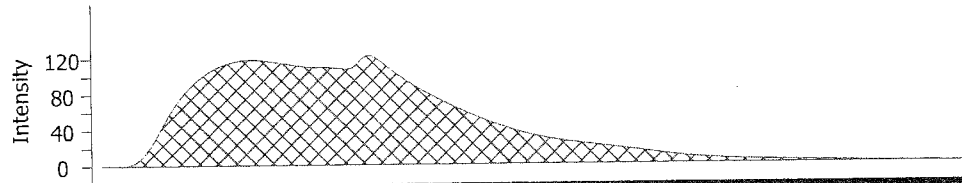
Carbon %
0.3195



720-42243-A-6

Name	Description	Mass	Method
720-42243-A-6		0.2162	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:45:24 PM		E02	

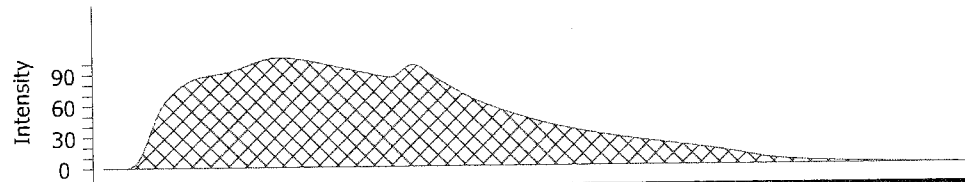
Carbon %
0.3252



720-42244-A-1

Name	Description	Mass	Method
720-42244-A-1		0.1986	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:47:37 PM		E03	

Carbon %
0.3033

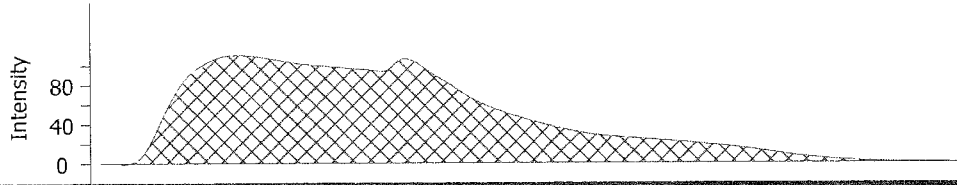


SC632

720-42244-A-1

Name	Description	Mass	Method
720-42244-A-1		0.2097	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:50:00 PM		E04	

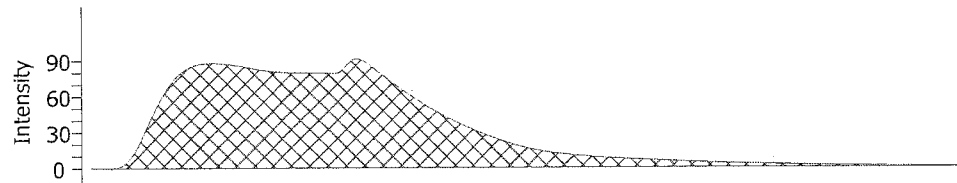
Carbon %
0.3256



720-42244-A-6

Name	Description	Mass	Method
720-42244-A-6		0.1980	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:52:29 PM		E05	

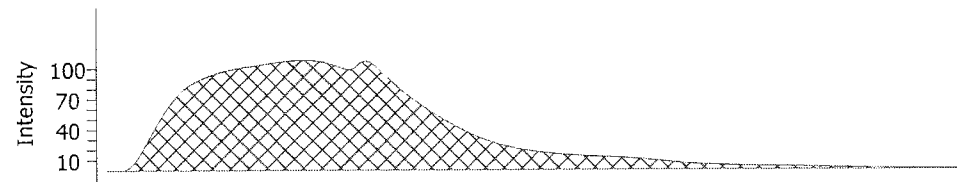
Carbon %
0.2499



720-42244-A-6

Name	Description	Mass	Method
720-42244-A-6		0.2148	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:54:58 PM		E06	

Carbon %
0.2909

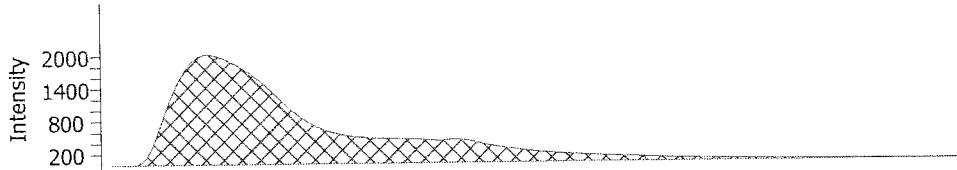


SC632

720-42245-A-1

Name	Description	Mass	Method
720-42245-A-1		0.2063	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:57:09 PM		E07	

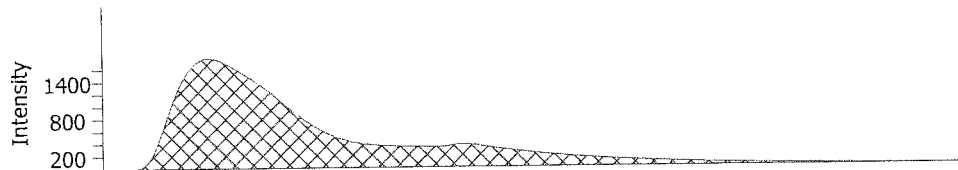
Carbon %
2.628



720-42245-A-1

Name	Description	Mass	Method
720-42245-A-1		0.1989	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:59:07 PM		E08	

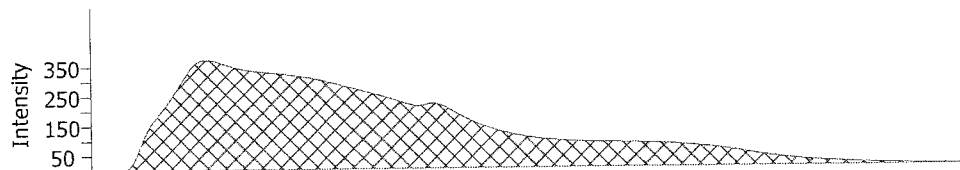
Carbon %
2.406



720-42245-A-6

Name	Description	Mass	Method
720-42245-A-6		0.2016	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 8:01:21 PM		E09	

Carbon %
0.9296

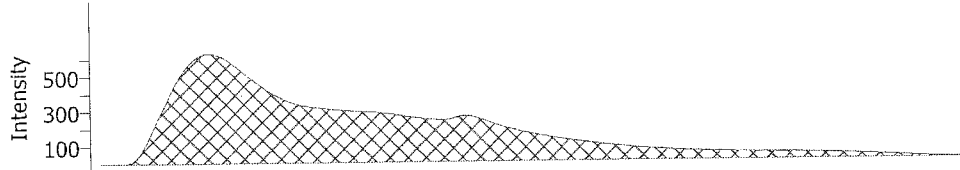


SC632

720-42245-A-6

Name	Description	Mass	Method
720-42245-A-6		0.2005	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 8:03:32 PM		E10	

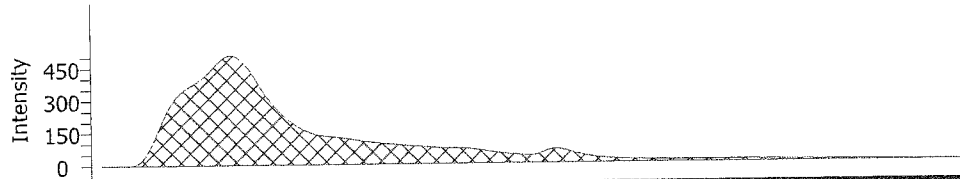
Carbon %
1.159



33209-A-3

Name	Description	Mass	Method
33209-A-3		0.0982	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 8:08:05 PM		A04	

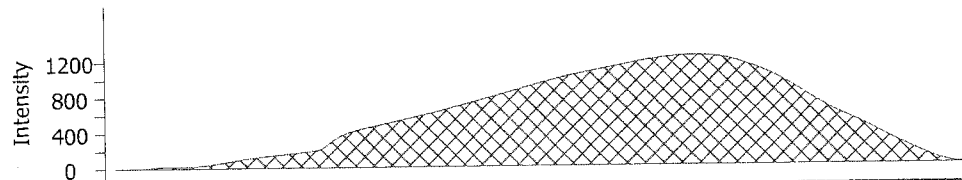
Carbon %
1.147



CCV-3

Name	Description	Mass	Method
CCV-3		0.1065	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 8:10:44 PM		A02	

Carbon %
12.17

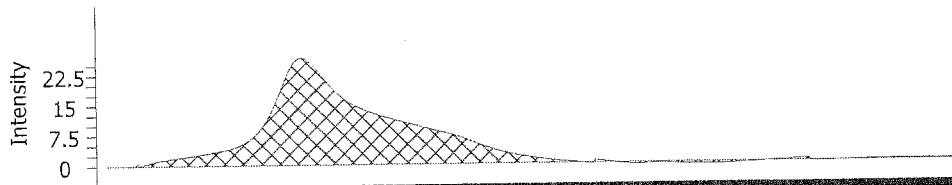


SC632

CCB-3

Name	Description	Mass	Method
CCB-3		0.1942	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 8:12:55 PM	A03		

Carbon %
-0.008384



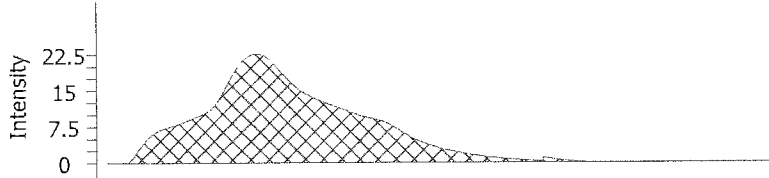
Element	Average	Std. Deviation	RSD	Count
Mass	0.1655	0.05	29.86	55
Carbon %	2.413	4.2288	175.3	55

SC632

Blank

Name	Description	Mass	Method
Blank		1.0000	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:45:34 AM		C03	

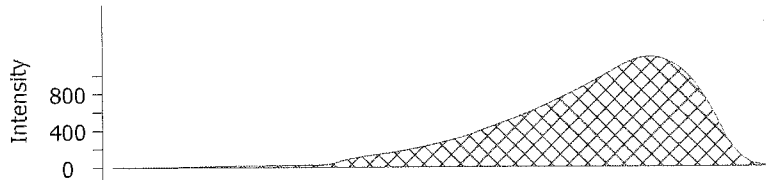
Carbon %
0.000000005442



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0502	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:47:52 AM		C04	

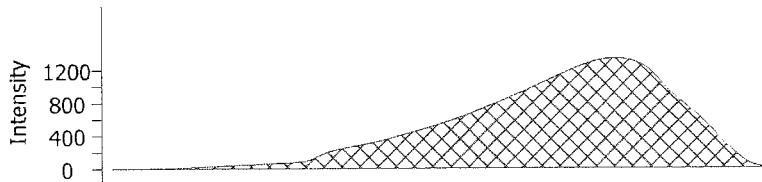
Carbon %
11.92



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0754	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:50:18 AM		C05	

Carbon %
11.88

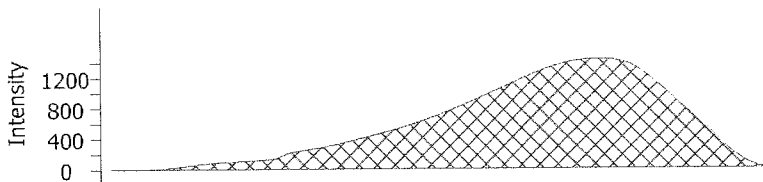


SC632

501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1015	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:52:58 AM		C06	

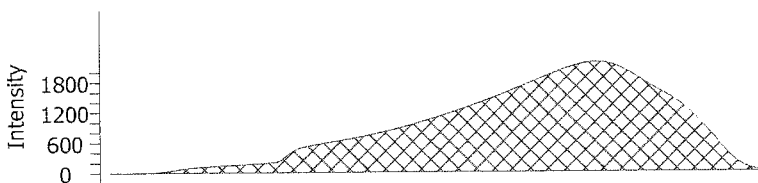
Carbon %
11.96



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1514	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:55:34 AM		C07	

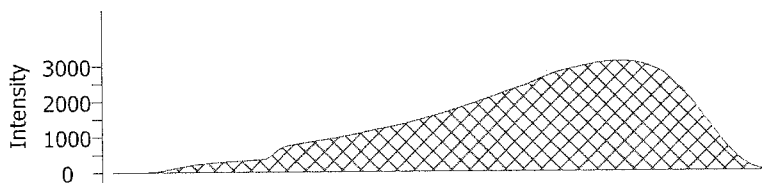
Carbon %
12.02



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.2513	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:58:17 AM		C08	

Carbon %
12.06

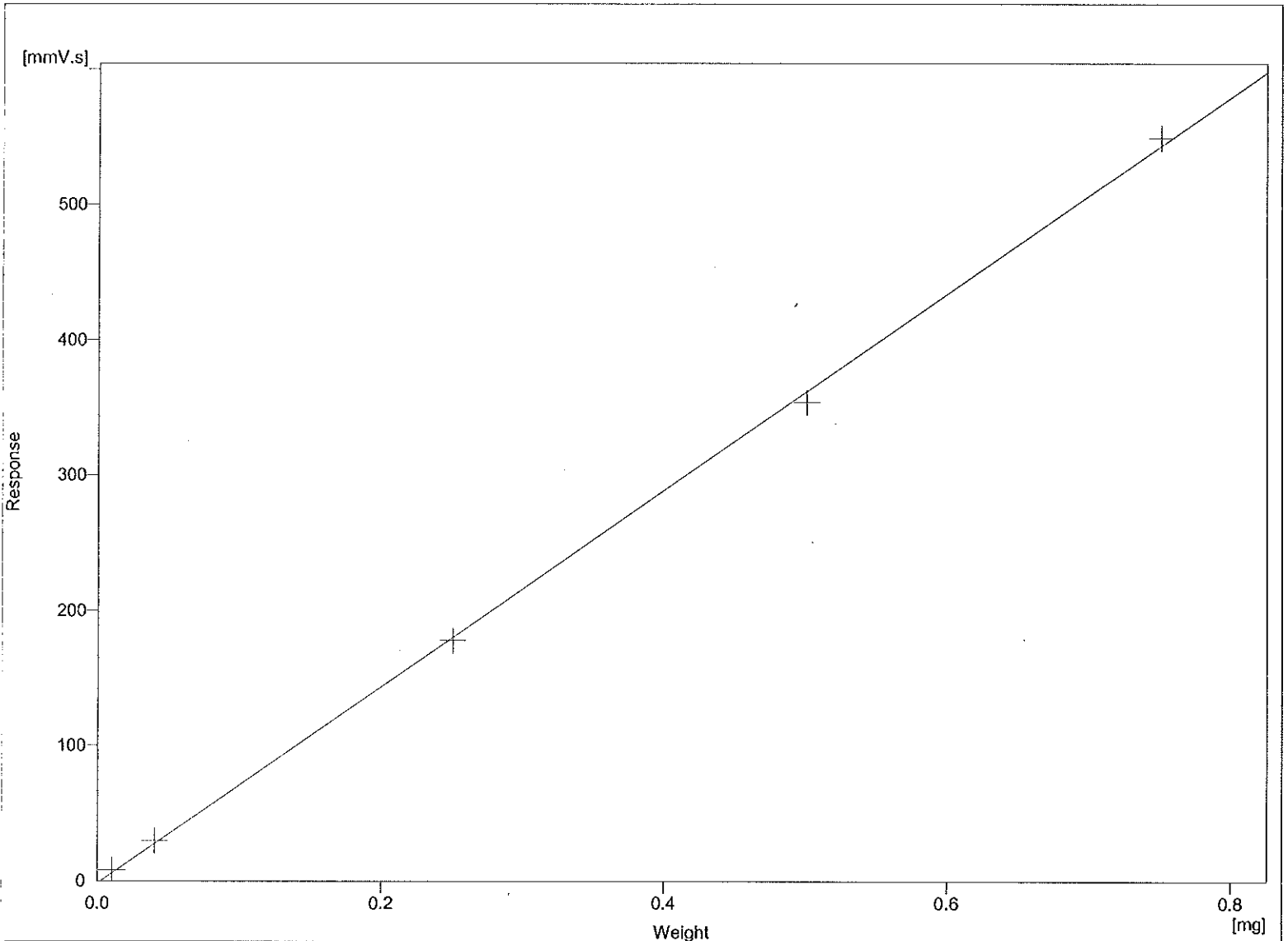


Element	Average	Std. Deviation	RSD	Count
Mass	0.2716	0.4	133.9	6
Carbon %	9.973	4.8861	48.99	6

Lloyd Kahn TOC
Instrument #2
 Calibration
 Carbon - 1.316 min.

Peak Type : Refer
 Left Window : 0.3 min
 Right Window : 0.6 min
 Response Base : Area
 Curve Fit Type : Linear
 Zero Type : Zero not used
 Subst. Equation : $Y = 725.7893 \cdot X - 1.5058$
 Correlation Coef. : 0.999729

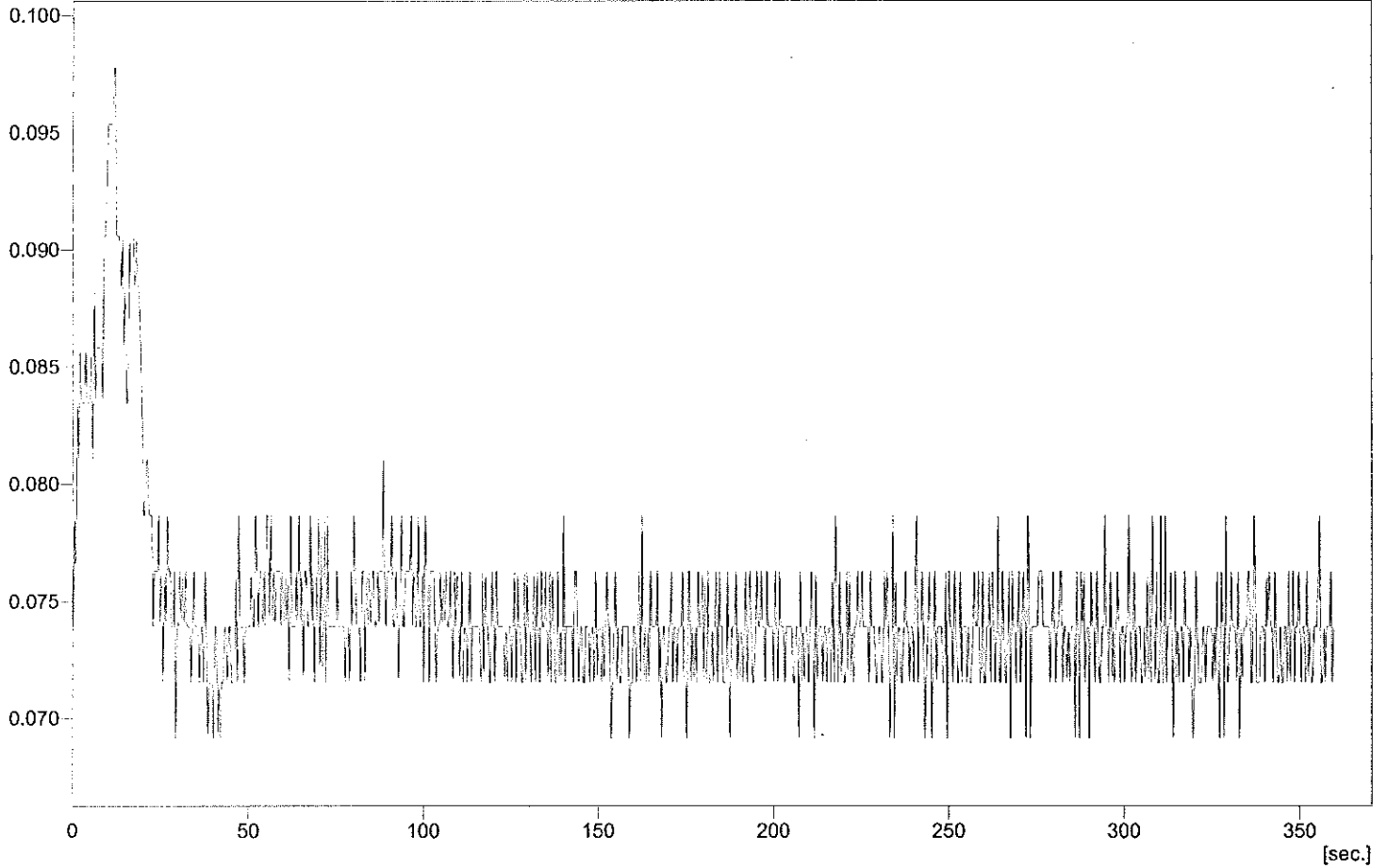
	Response	Weight	Resp. Factor	Used
1	0.000	0.000	0.0000	Yes
2	7.922	0.010	0.0013	Yes
3	29.804	0.040	0.0013	Yes
4	177.739	0.250	0.0014	Yes
5	353.915	0.501	0.0014	Yes
6	549.441	0.751	0.0014	Yes
7	0.000	0.000	0.0000	Yes
8	0.000	0.000	0.0000	Yes
9	0.000	0.000	0.0000	Yes
10	0.000	0.000	0.0000	Yes
11	0.000	0.000	0.0000	Yes
12	0.000	0.000	0.0000	Yes
13	0.000	0.000	0.0000	Yes
14	0.000	0.000	0.0000	Yes
15	0.000	0.000	0.0000	Yes
16	0.000	0.000	0.0000	Yes
17	0.000	0.000	0.0000	Yes
18	0.000	0.000	0.0000	Yes
19	0.000	0.000	0.0000	Yes
20	0.000	1.00e-04	0.0000	Yes



**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:01:09 PM
 Project : WORK2
 Weight : 0 mg
 Sample : STD1
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z001

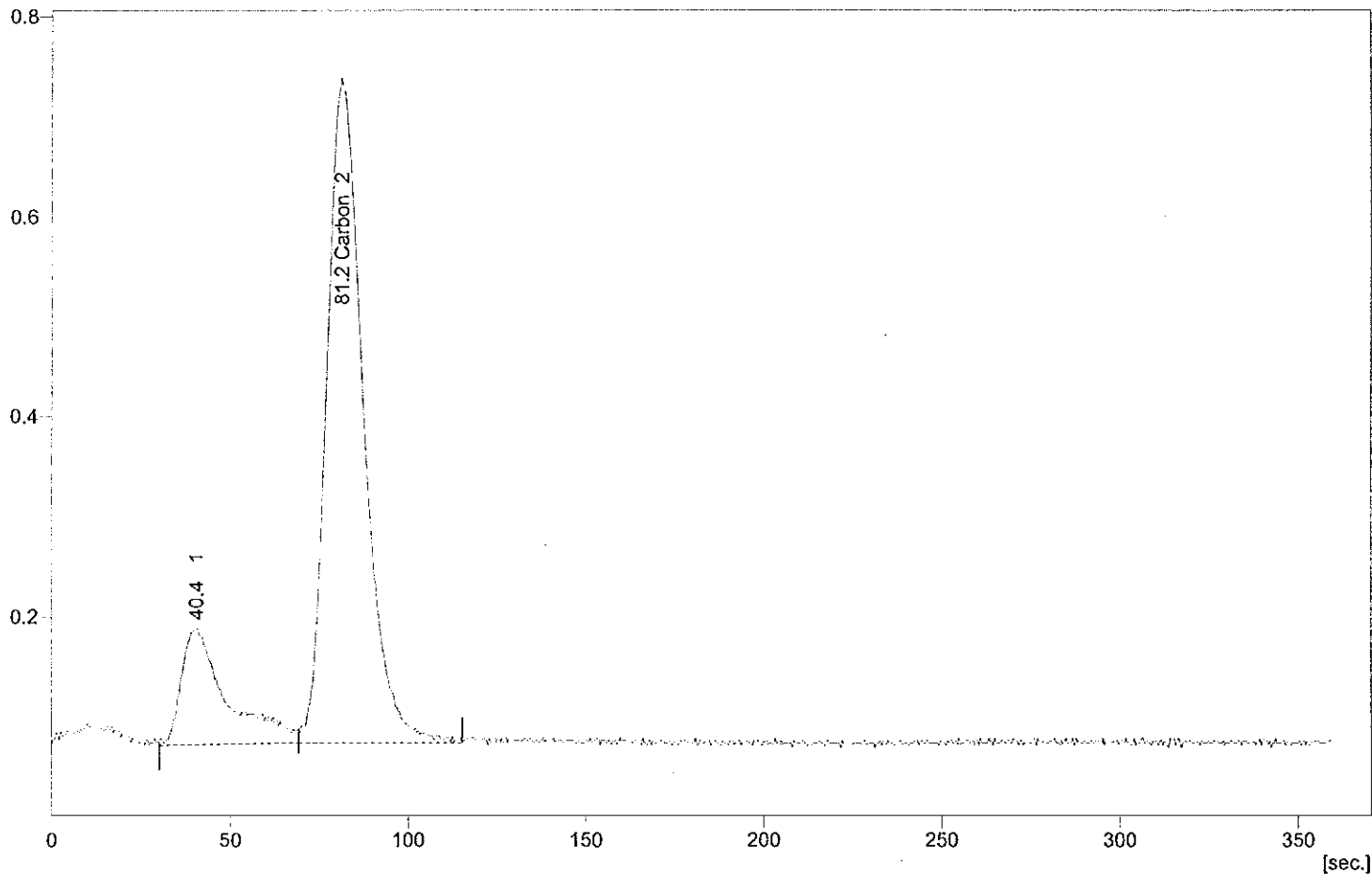


Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.333						Refer
	Total	0.000	100.0	0.000	100.0000		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:07:46 PM By : None
 Project : WORK2 Style : Channel2
 Weight : 0.0213 mg
 Sample : STD2 Chromatogram : 052512Z002
 Calibration : 052512Z



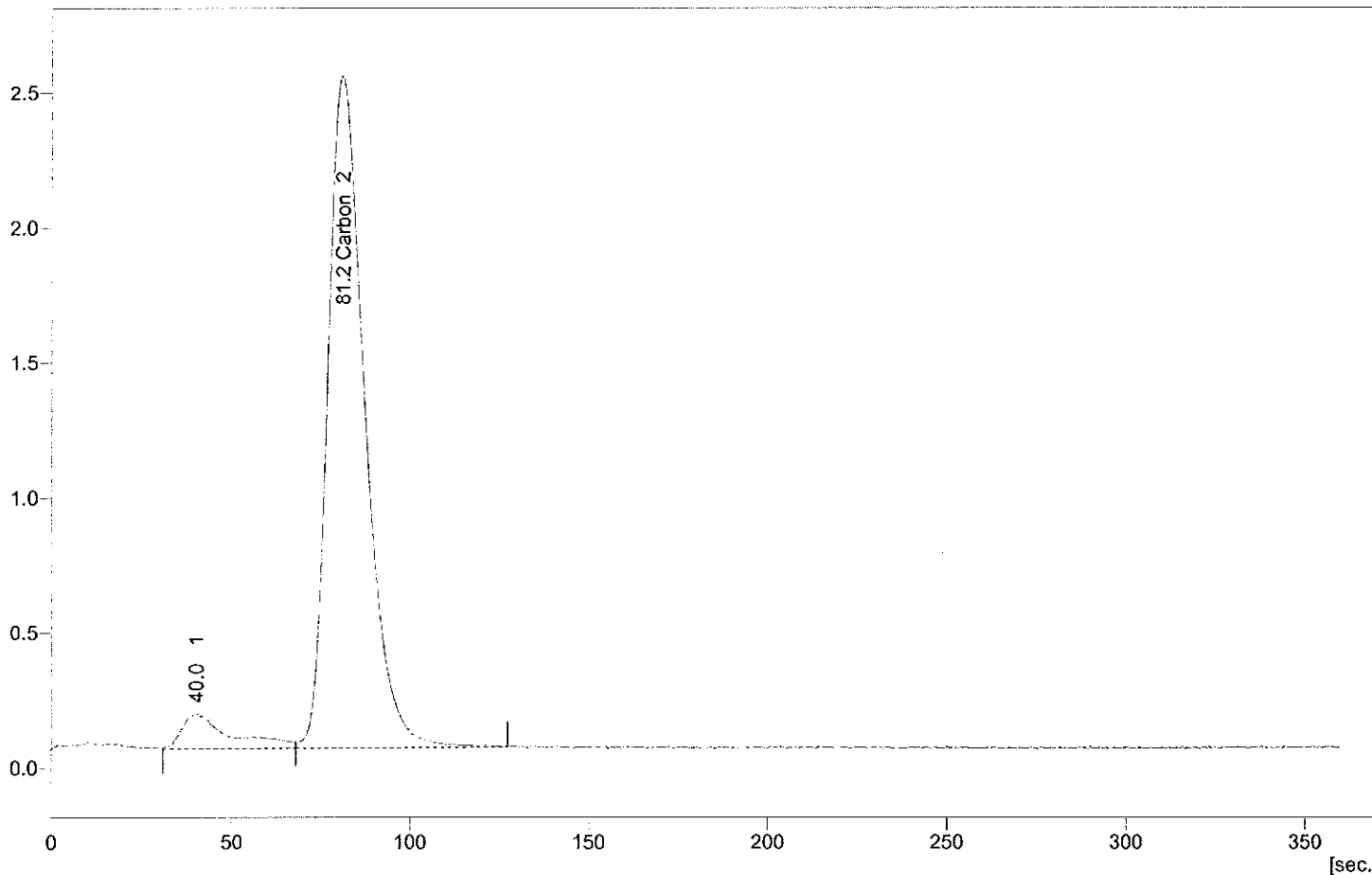
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.353	7.922	82.2	0.010	47.0500	1.0000	Refer
	Total	9.637	100.0	0.021	47.0500		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:14:23 PM
 Project : WORK2
 Weight : 0.0851 mg
 Sample : STD3
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z003



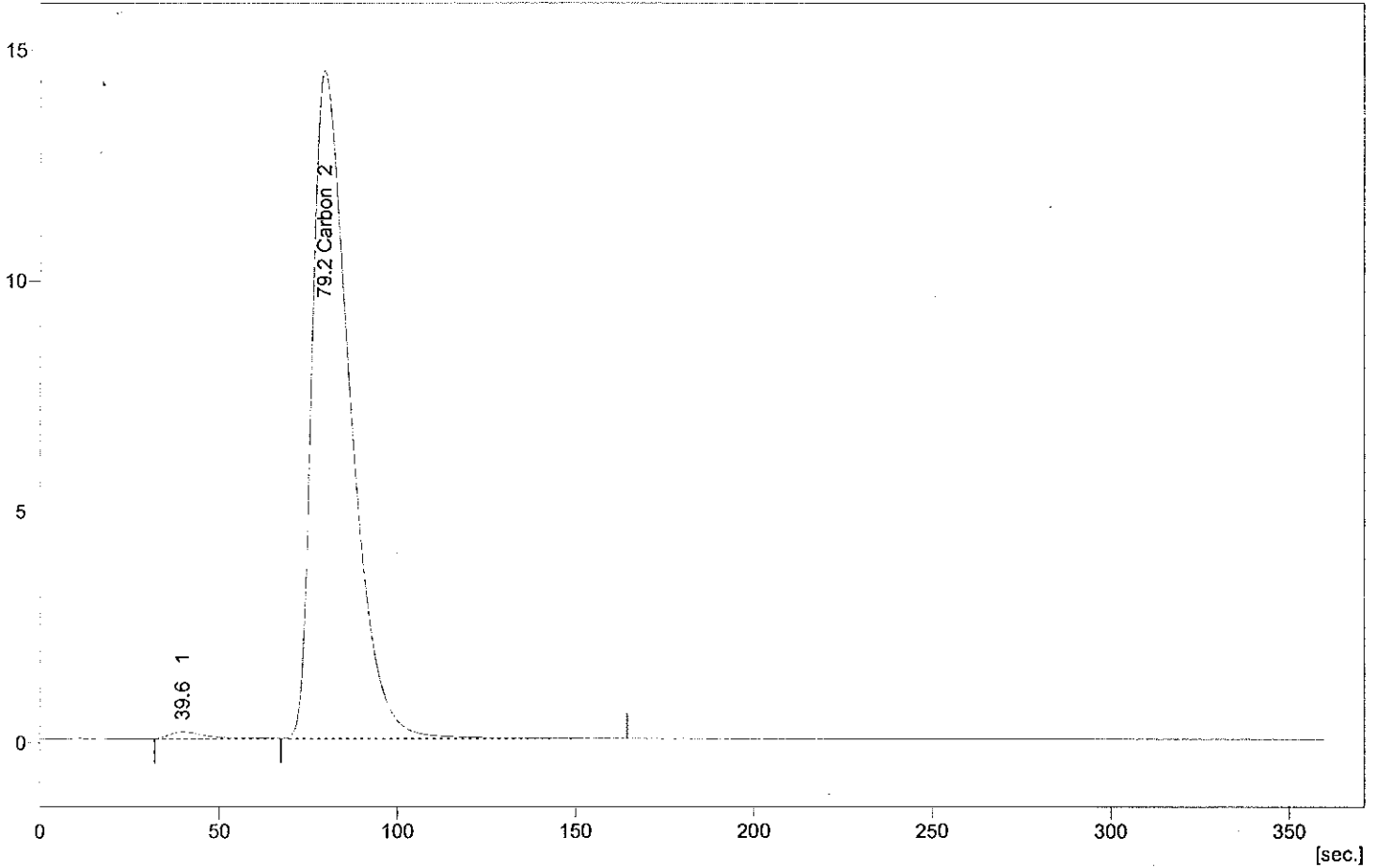
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1,353	29,804	93.7	0.040	47.0500	1.0000	Refer
	Total	31,796	100.0	0.085	47.0500		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:21:01 PM
 Project : WORK2
 Weight : 0.532 mg
 Sample : STD4
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z004



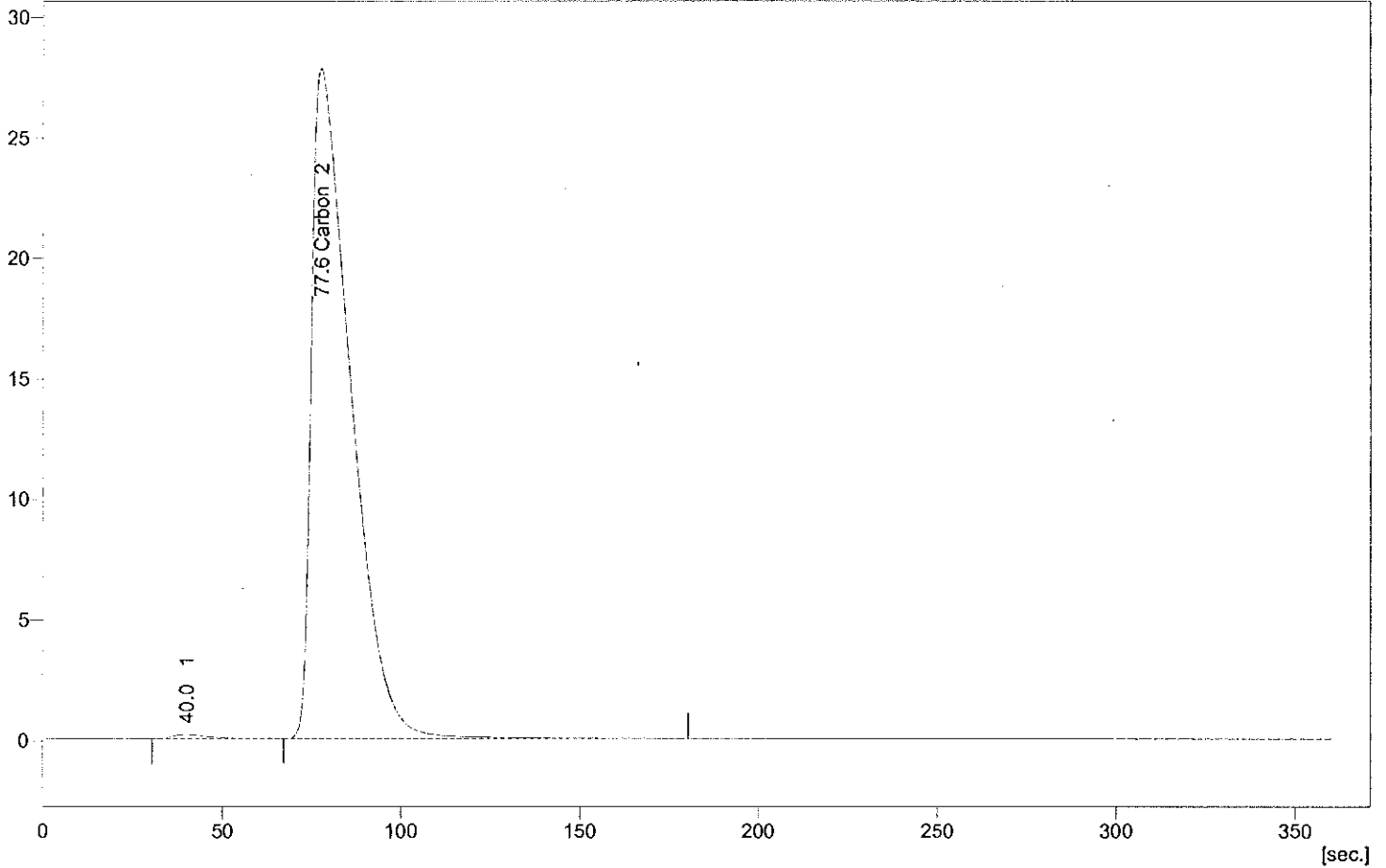
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.320	177.739	98.9	0.250	47.0377	1.0000	Refer
	Total	179.627	100.0	0.532	47.0377		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:27:48 PM
 Project : WORK2
 Weight : 1.064 mg
 Sample : STD5
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z005



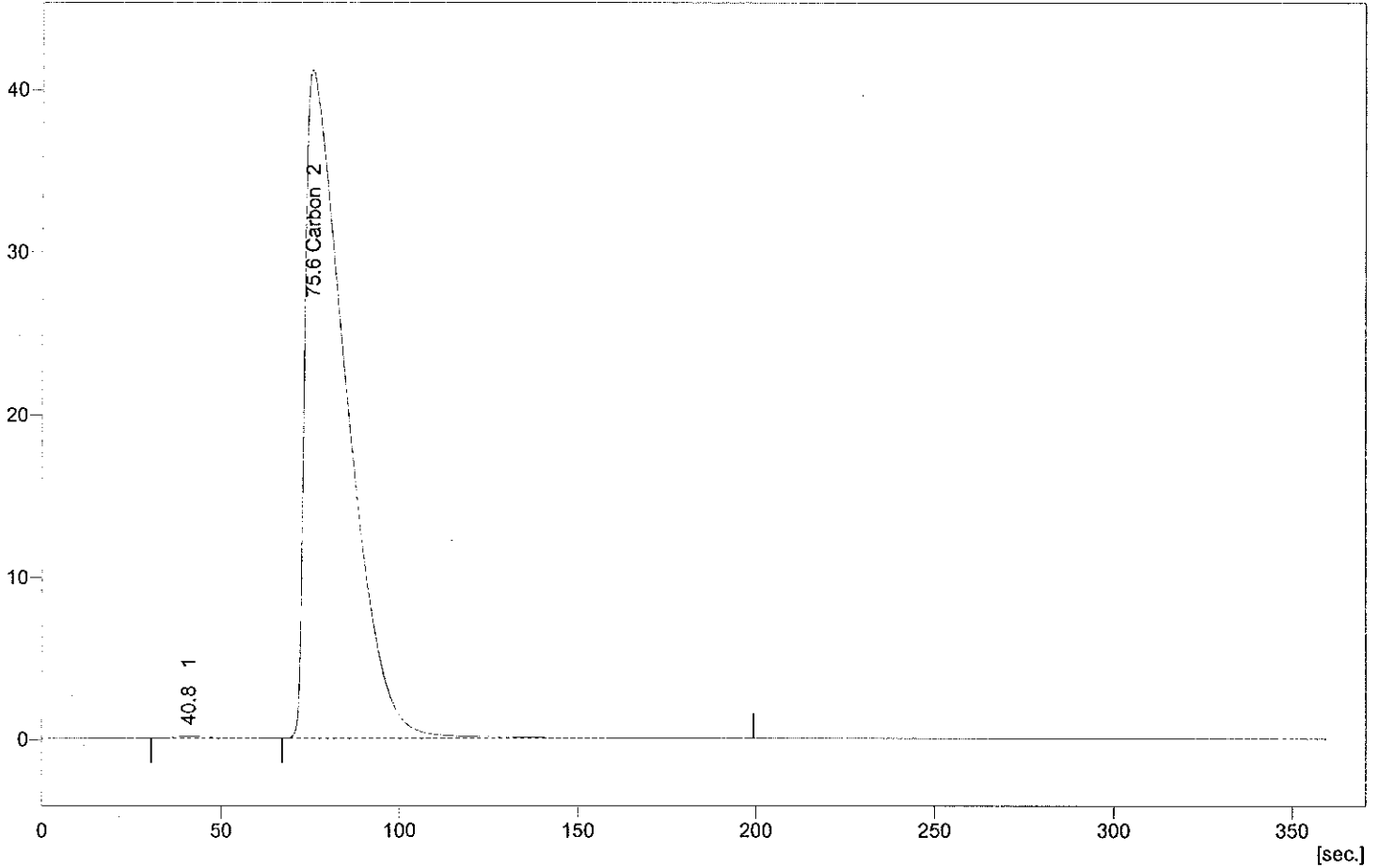
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.293	353.915	99.3	0.500	47.0395	1.0000	Refer
	Total	356.290	100.0	1.064	47.0395		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:34:27 PM
 Project : WORK2
 Weight : 1.596 mg
 Sample : STD6
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z006



Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.260	549.441	99.6	0.759	47.5627	1.0000	Refer
	Total	551.562	100.0	1.596	47.5627		

**Total Organic Carbon
Soils Benchsheet**

Date: 5/29/12 Start Time: 1155 Instrument ID: C6.2 → 052912A
 Analyst: Ani Stop Time: 1335 Oven ID: NA
 TALS Batch: 39415

STANDARD CURVE		Reagent ID	Concentration mg/L	Amount μL	Curve Results
Lab ID	Type				
CAL Level 1	CAL	NA	0	0	
CAL Level 2	CAL	WELK CAL 001 - 00002	100	100	Date Analyzed: 05/25/12
CAL Level 3	CAL	WELK CAL 001 - 00002	1001	40	correlation coefficient (r) = 0.999729
CAL Level 4	CAL	WELK CAL 001 - 00002	10012	25	Criteria: (r) ≥ 0.995
CAL Level 5	CAL	"	10012	50	TALS Batch:
CAL Level 6	CAL	"	10012	75	

Method Version: (Circle)
 Lloyd Khan LK Modified **Black Carbon** Particulate Organic Carbon (POC) Marine Sediments(301H)

SAMPLE PREPARATION LOG

Drop #	Lab ID	Type	REP	Sample WT mg	Lab ID	Type	REP	Sample WT mg	Drop #
1	Acetanilide	NA	NA	0.553					29
2	Blank			10					30
3	MB			10					31
4	MB			10					32
5	LCS			9.247					33
6	LCS			9.275					34
7	580-32844-A-5			9.894					35
8	"			10.050					36
9	580-32844-A-10			9.965					37
10	"			9.753					38
11	580-32844-A-15			9.901					39
12	"			10.296					40
13	580-32847-A-5			10.133					41
14	"			10.252					42
15	Acetanilide			0.513					43
16	Blank			10					44
17									45
18									46
19									47
20									48
21									49
22									50
23									51
24									52
25									53
26									54
27									55
28									56

STANDARD & REAGENT TRACEABILITY:
 Potassium Hydrogen Phthalate (ICAL) Container ID: WELK CAL 001 - 00002 LCS Container ID: WELK BC LCS 00006
 Acetanilide (CCV) Container ID: WELK CCV 001 - 00006 1:19 Phosphoric Acid Container ID: WELK CPA 119 - 00006
 Matrix Spike Container ID: NA

Total Organic Carbon by Lloyd Kahn

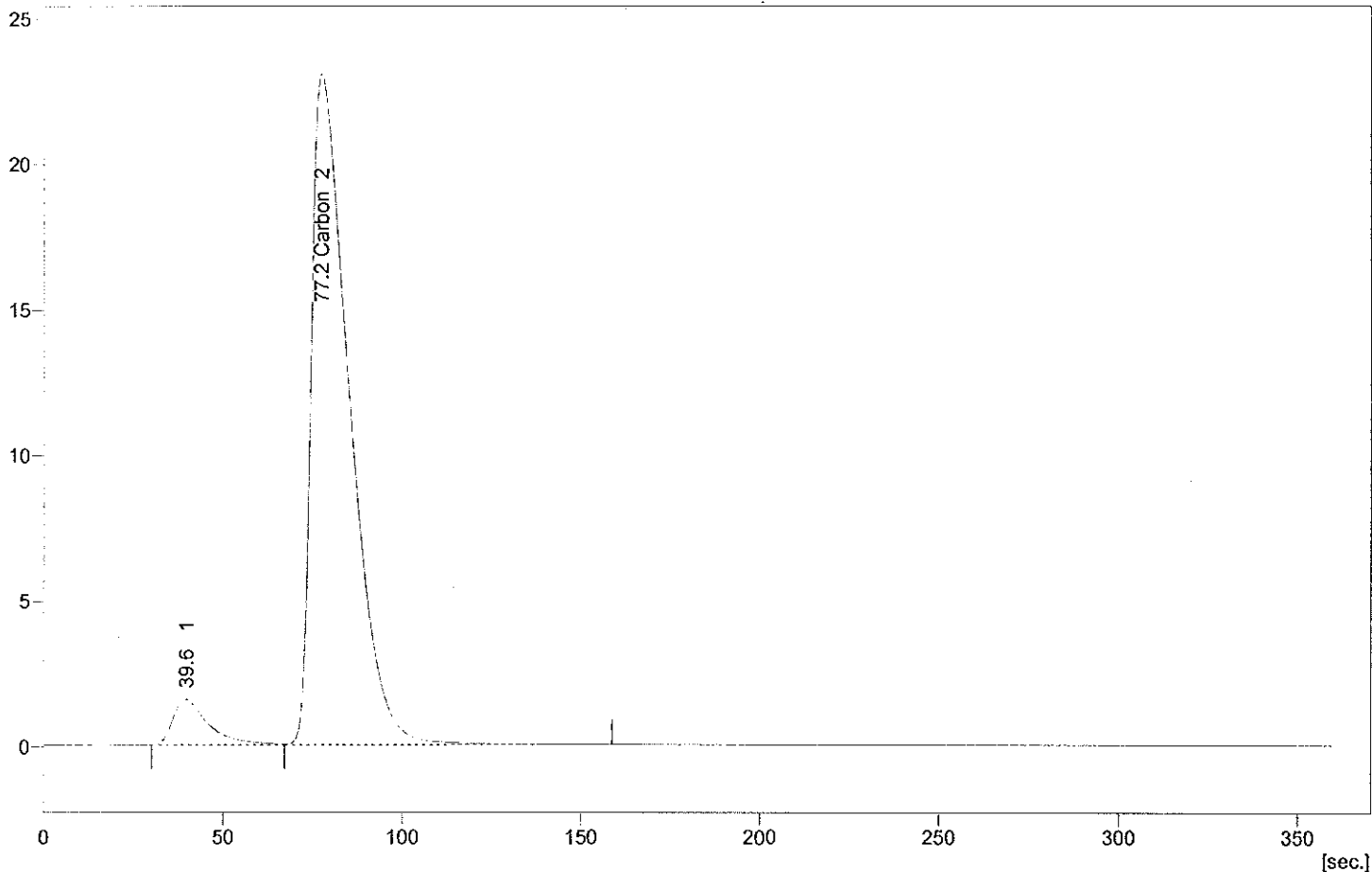
File: 052912A Channel: 2
 Default Mass: 10.0000 mg
 Acetanilide TV, %C: 71.09 LCS TV, %C: 0.99

Weight	Sample ID	% Carbon	mg/Kg Carbon	Average (mg/Kg)	QC recovery	Sample RPD	RA	Adjusted RL (mg/Kg)
0.553	ACETANILIDE	70.6486	706486.00		99%			
10	BLANK	0	0.00					
10	MB	0.0391	391.00					
10	MB	0.0357	357.00	374.00		9%		U1000
9.247	LCS	1.266	12660.00					
9.275	LCS	1.3452	13452.00	13056.00	132%	6%		1081
9.894	580-32844-A-5	0.1435	1435.00					
10.05	580-32844-A-5	0.1215	1215.00	1325.00		17%		1011
9.965	580-32844-A-10	0.144	1440.00					
9.753	580-32844-A-10	0.1443	1443.00	1441.50		0%		1025
9.901	580-32844-A-15	0.1133	1133.00					
10.296	580-32844-A-15	0.1222	1222.00	1177.50		8%		1010
10.133	580-32847-A-5	0.1517	1517.00					
10.252	580-32847-A-5	0.1449	1449.00	1483.00		5%		987
0.513	ACETANILIDE	75.5699	755699.00		106%			
10	BLANK	0	0.00					

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 11:55:49 AM
 Project : WORK2
 Weight : 0.553 mg
 Sample : ACETANILIDE
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A001



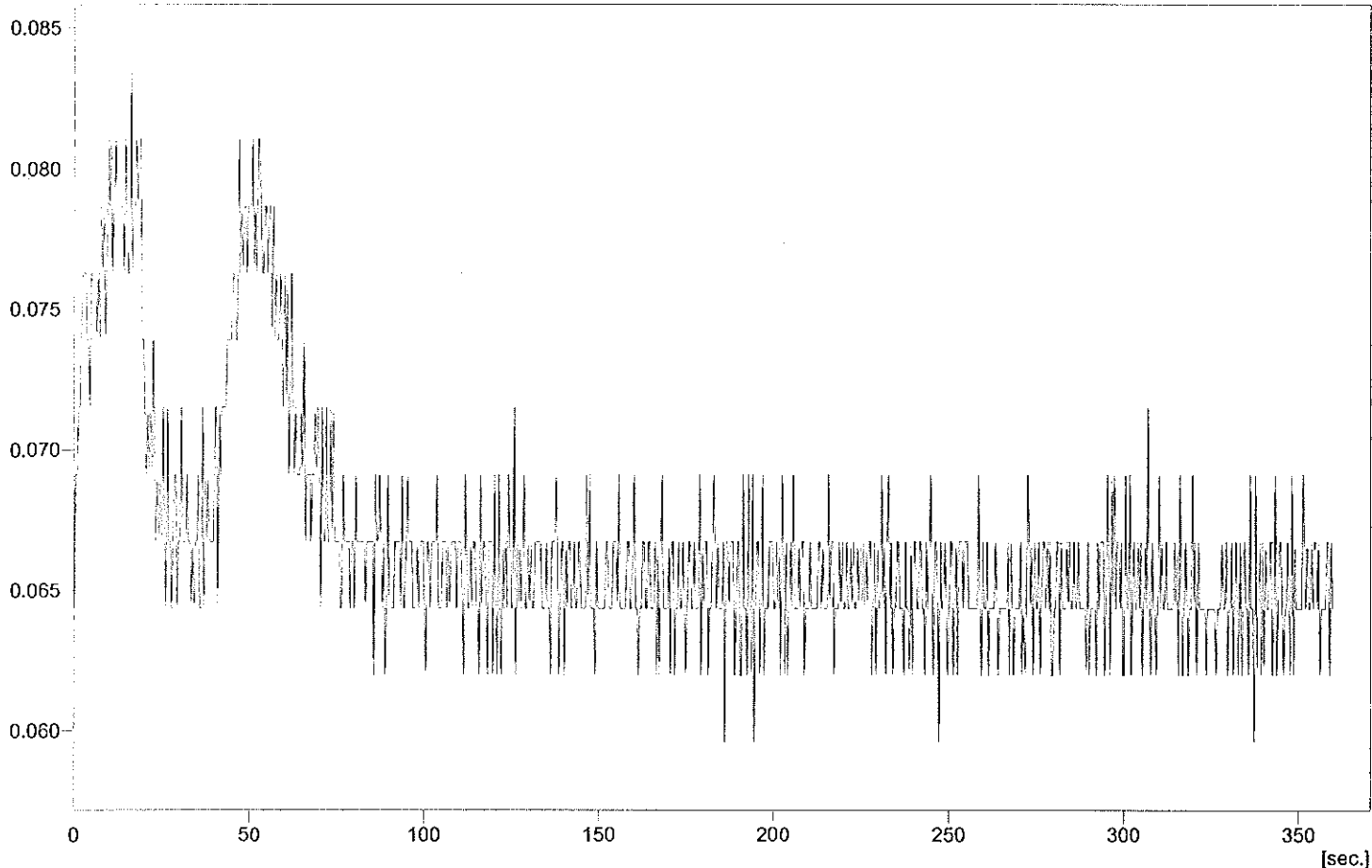
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.287	282.050	94.0	0.391	70.6486	1.0000	Refer
	Total	299.988	100.0	0.553	70.6486		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:02:27 PM
 Project : WORK2
 Weight : 10 mg
 Sample : BLANK
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A002



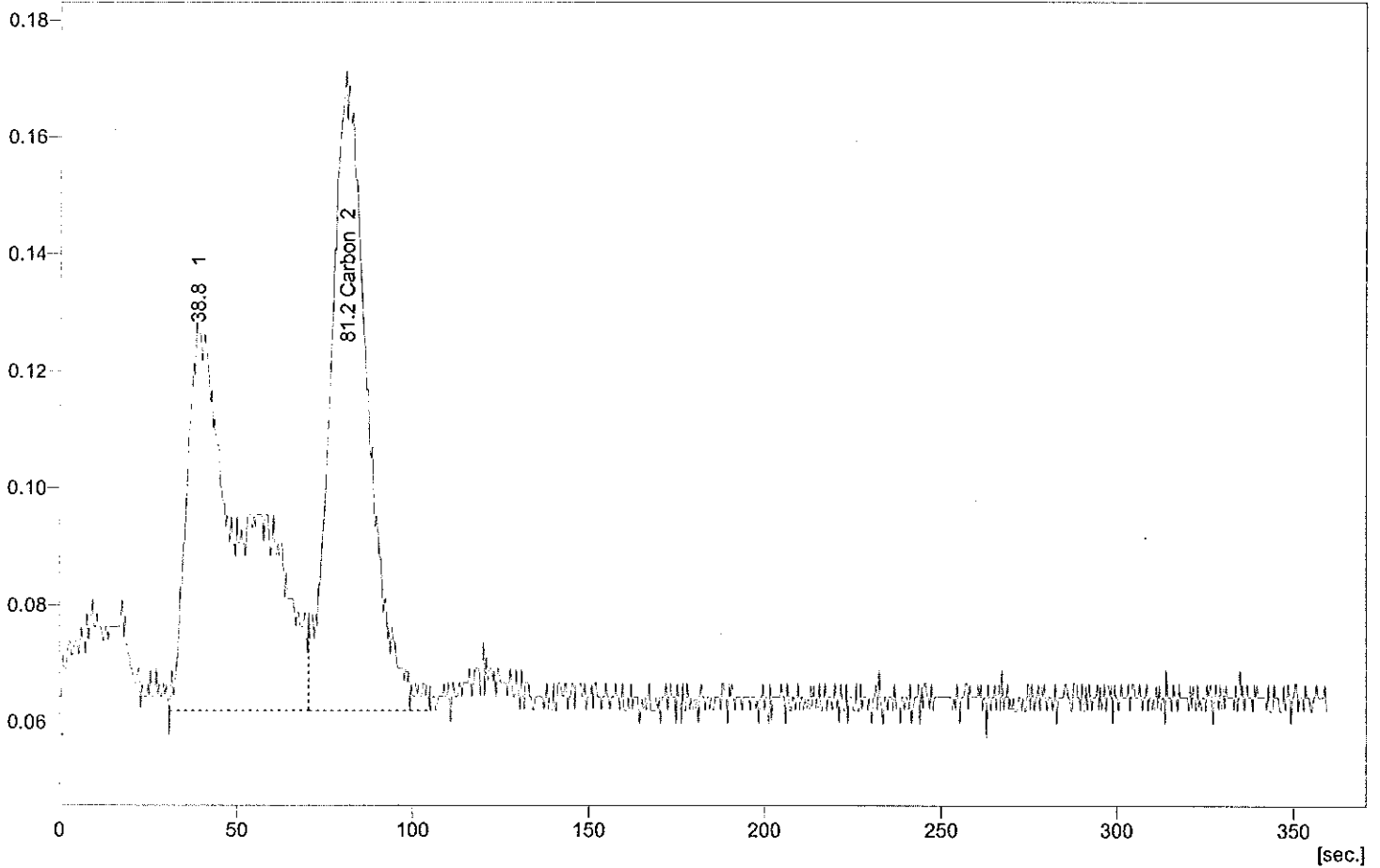
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.316						Refer
	Total	0.000	100.0	10.000	0.0000		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:09:02 PM
 Project : WORK2
 Weight : 10 mg
 Sample : MB
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A003



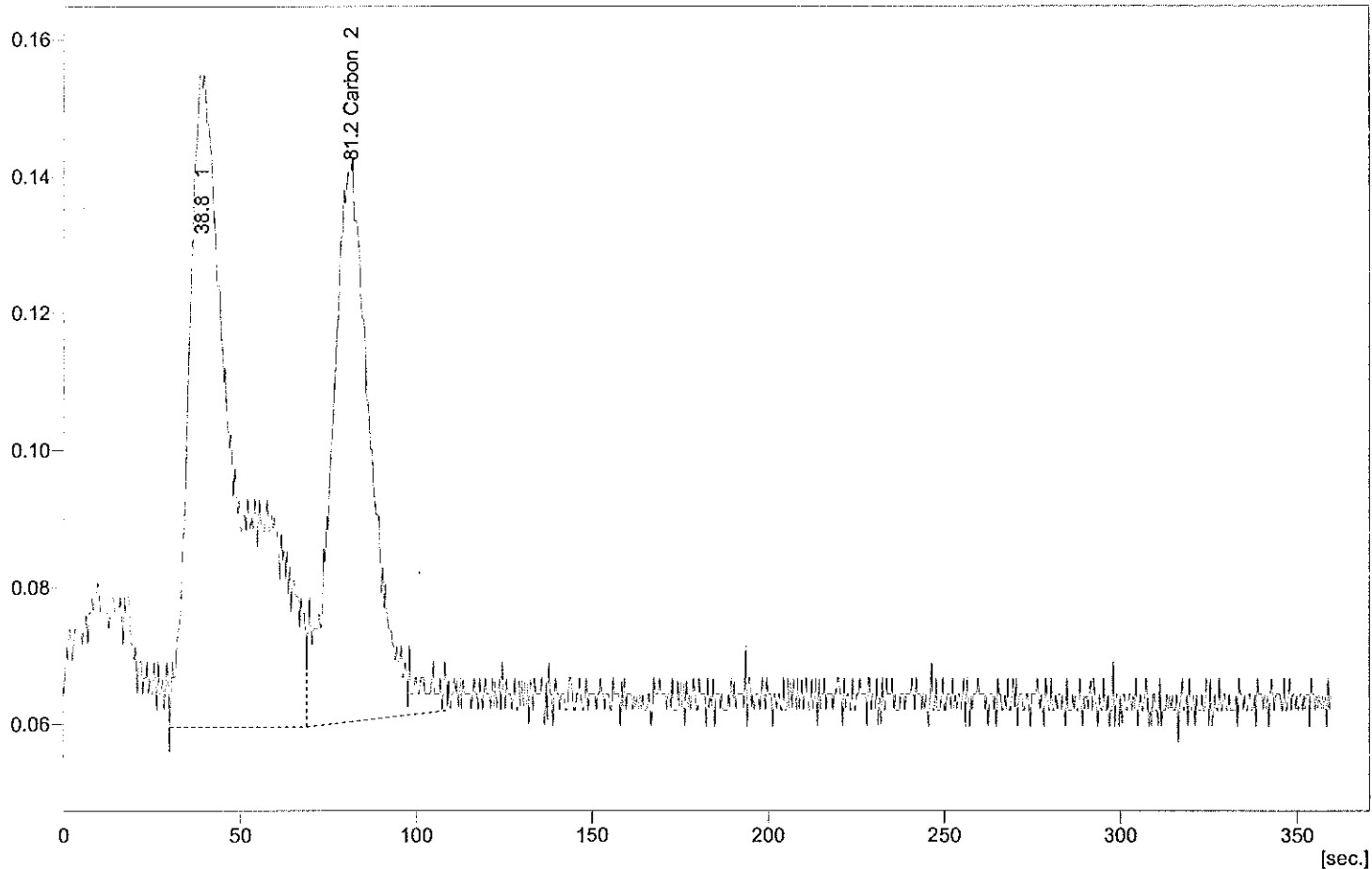
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.353	1.336	51.2	0.004	0.0391	1.0000	Refer
	Total	2.606	100.0	10.000	0.0391		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:15:35 PM
 Project : WORK2
 Weight : 10 mg
 Sample : MB
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A004



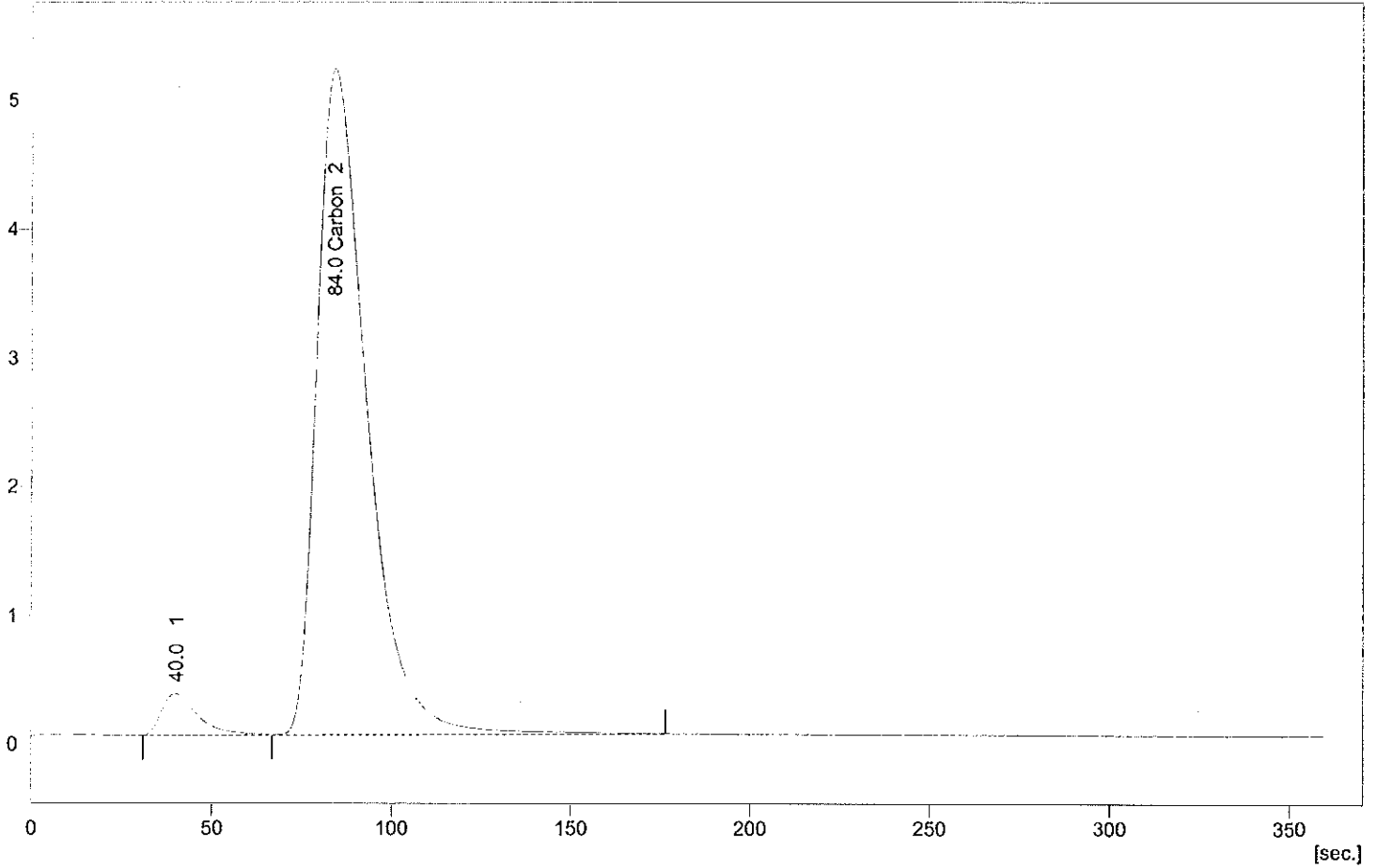
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1,353	1,082	41,8	0,004	0,0357	1,0000	Refer
	Total	2,591	100,0	10,000	0,0357		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:22:09 PM
 Project : WORK2
 Weight : 9.247 mg
 Sample : LCS
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A005



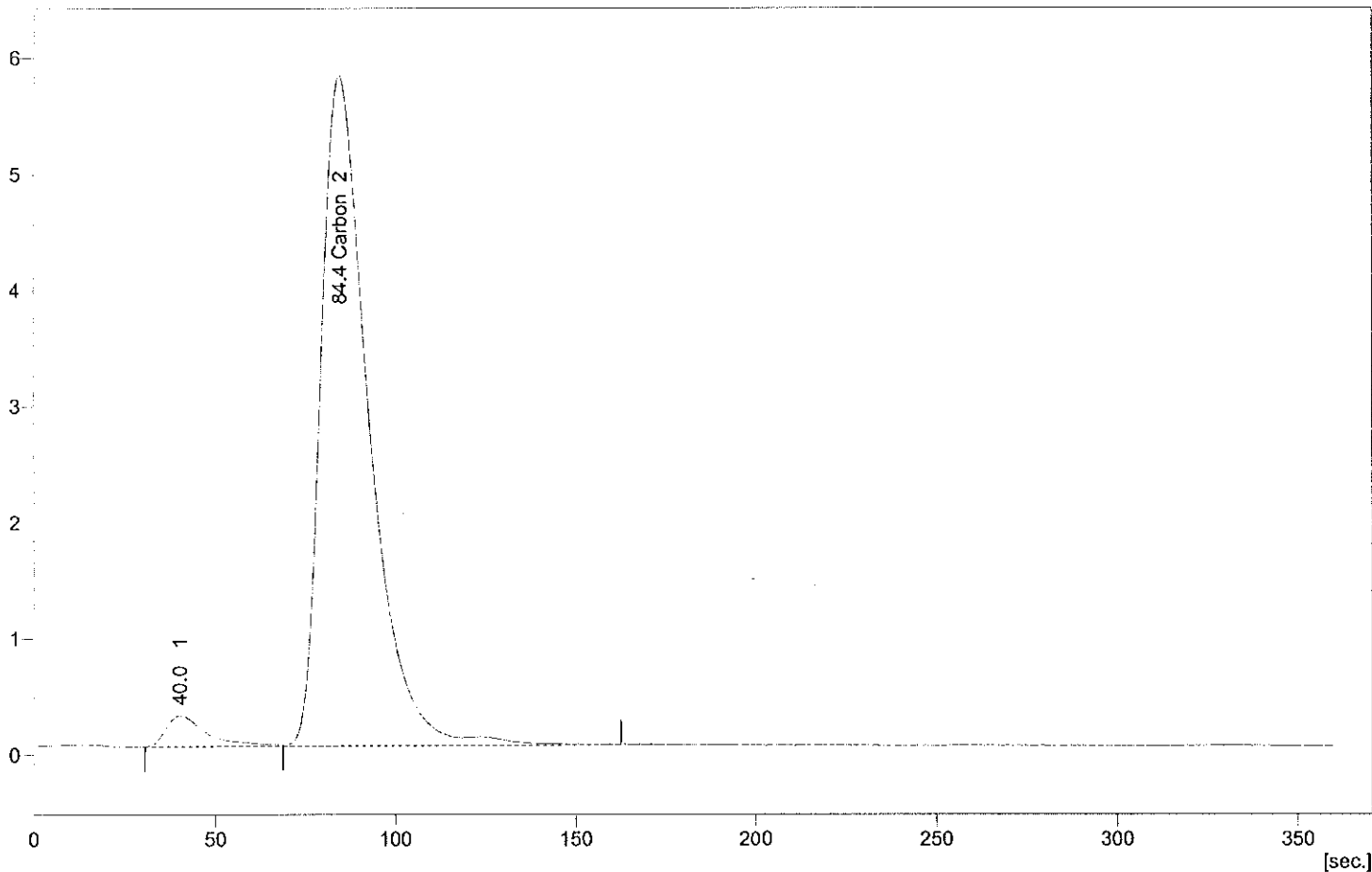
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.400	83.458	95.6	0.117	1.2660	1.0000	Refer
	Total	87.274	100.0	9.247	1.2660		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:28:43 PM
 Project : WORK2
 Weight : 9.275 mg
 Sample : LCS
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A006



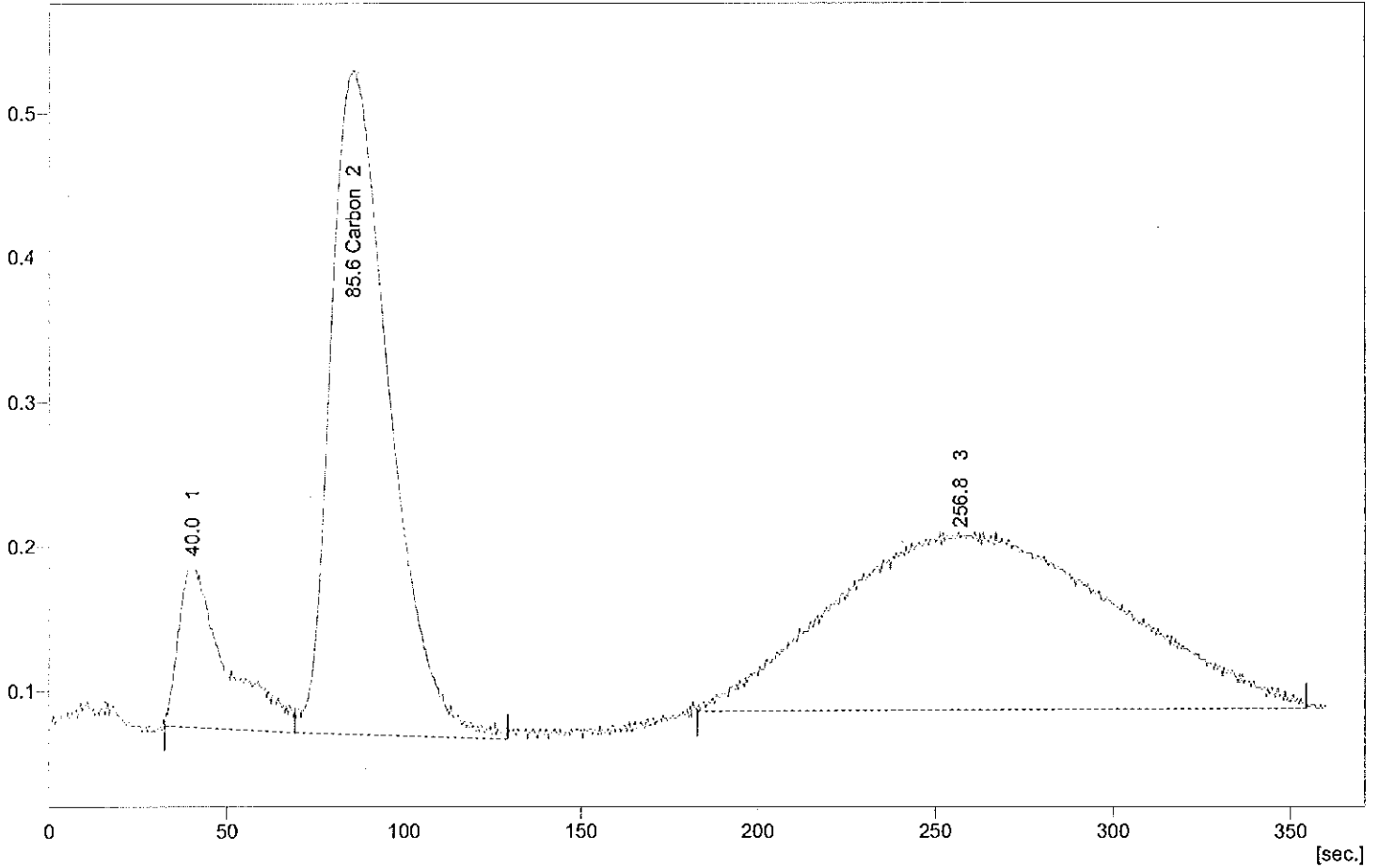
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.407	89.052	96.3	0.125	1.3452	1.0000	Refer
	Total	92.483	100.0	9.275	1.3452		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:35:17 PM
 Project : WORK2
 Weight : 9.894 mg
 Sample : 580-32844-A-5
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A007



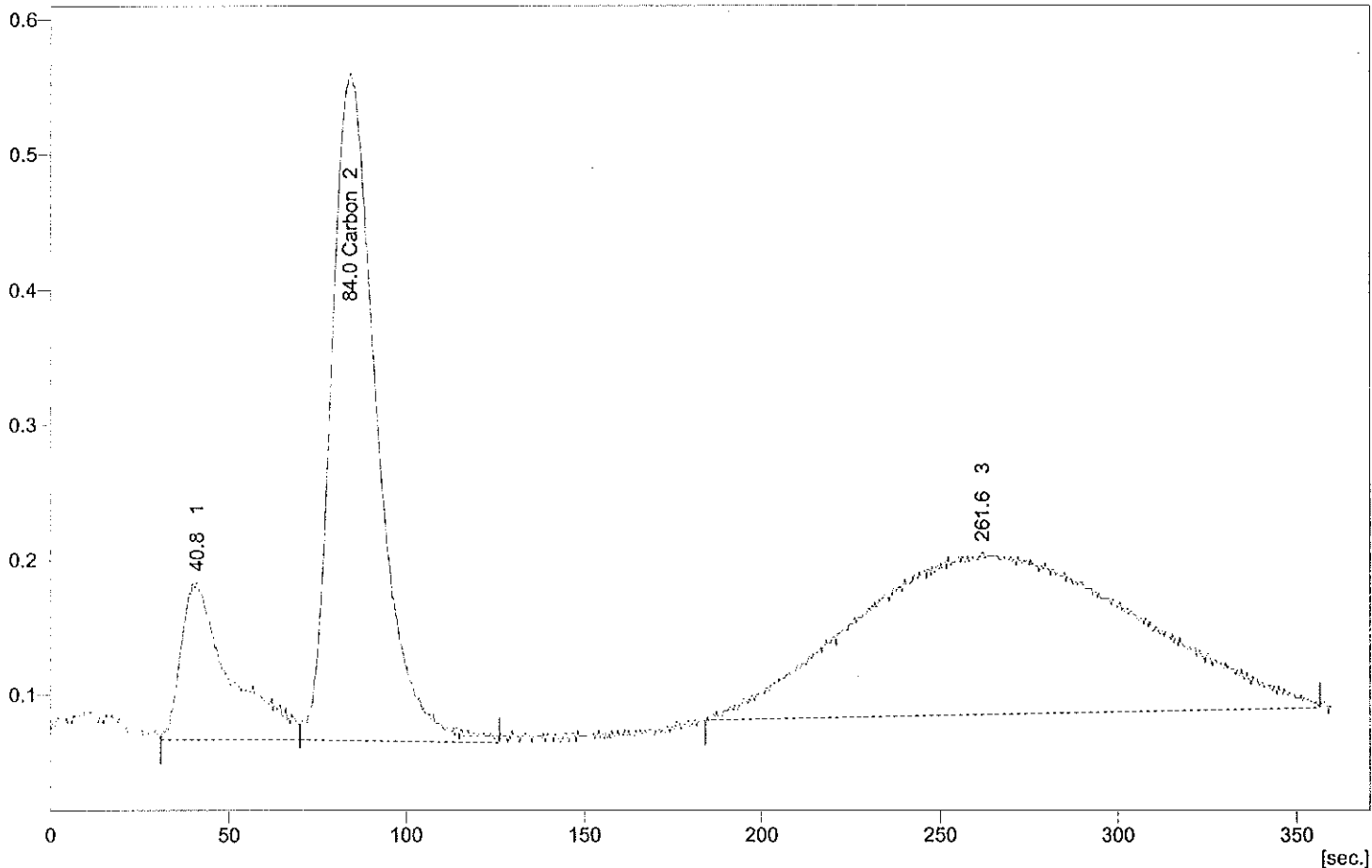
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.427	8.799	40.3	0.014	0.1435	1.0000	Refer
	Total	21.834	100.0	9.894	0.1435		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:41:49 PM
 Project : WORK2
 Weight : 10.05 mg
 Sample : 580-32844-A-5
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A008



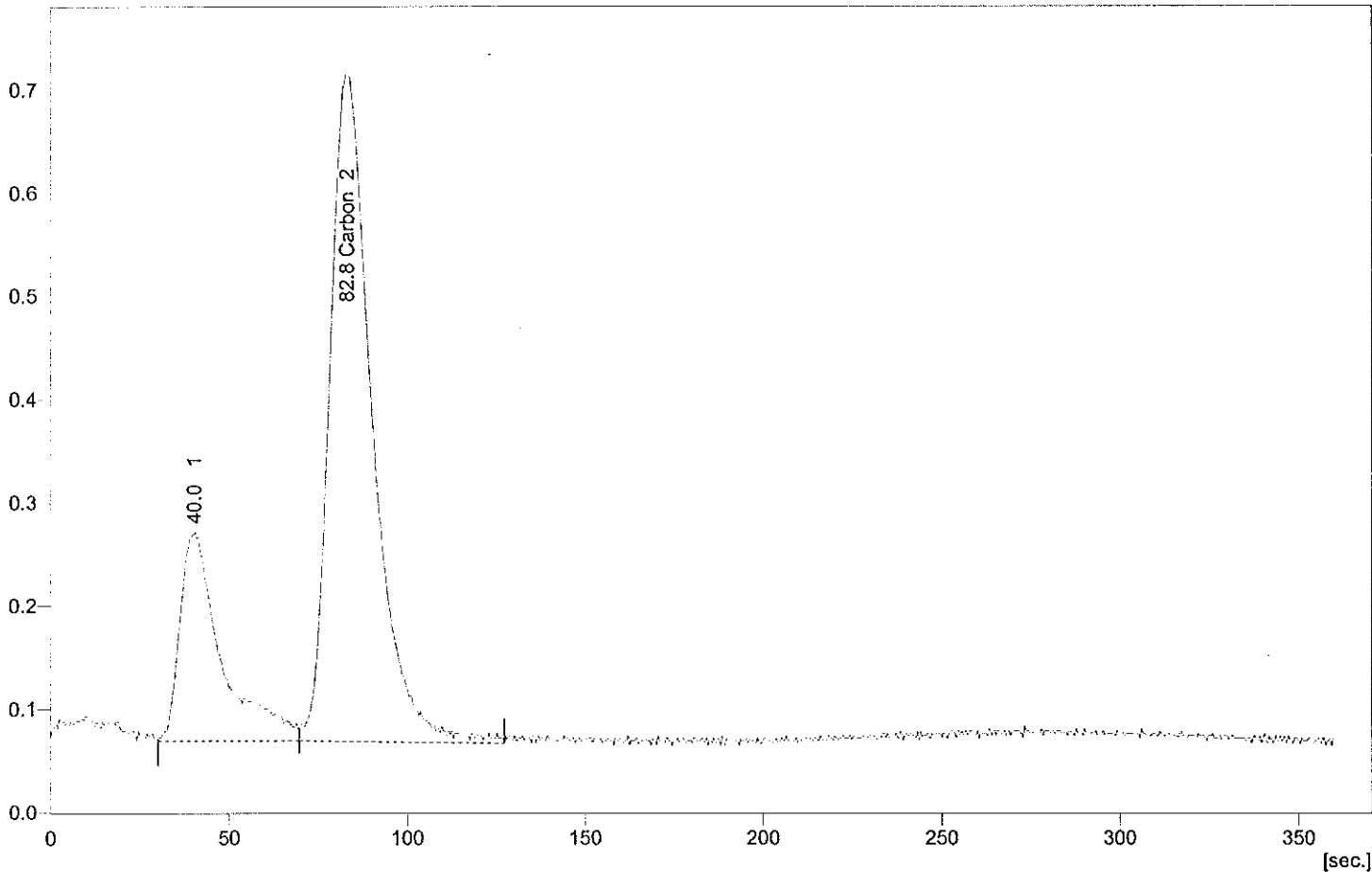
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.400	7.354	36.7	0.012	0.1215	1.0000	Refer
	Total	20.030	100.0	10.050	0.1215		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:48:21 PM
 Project : WORK2
 Weight : 9.965 mg
 Sample : 580-32844-A-10
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A009



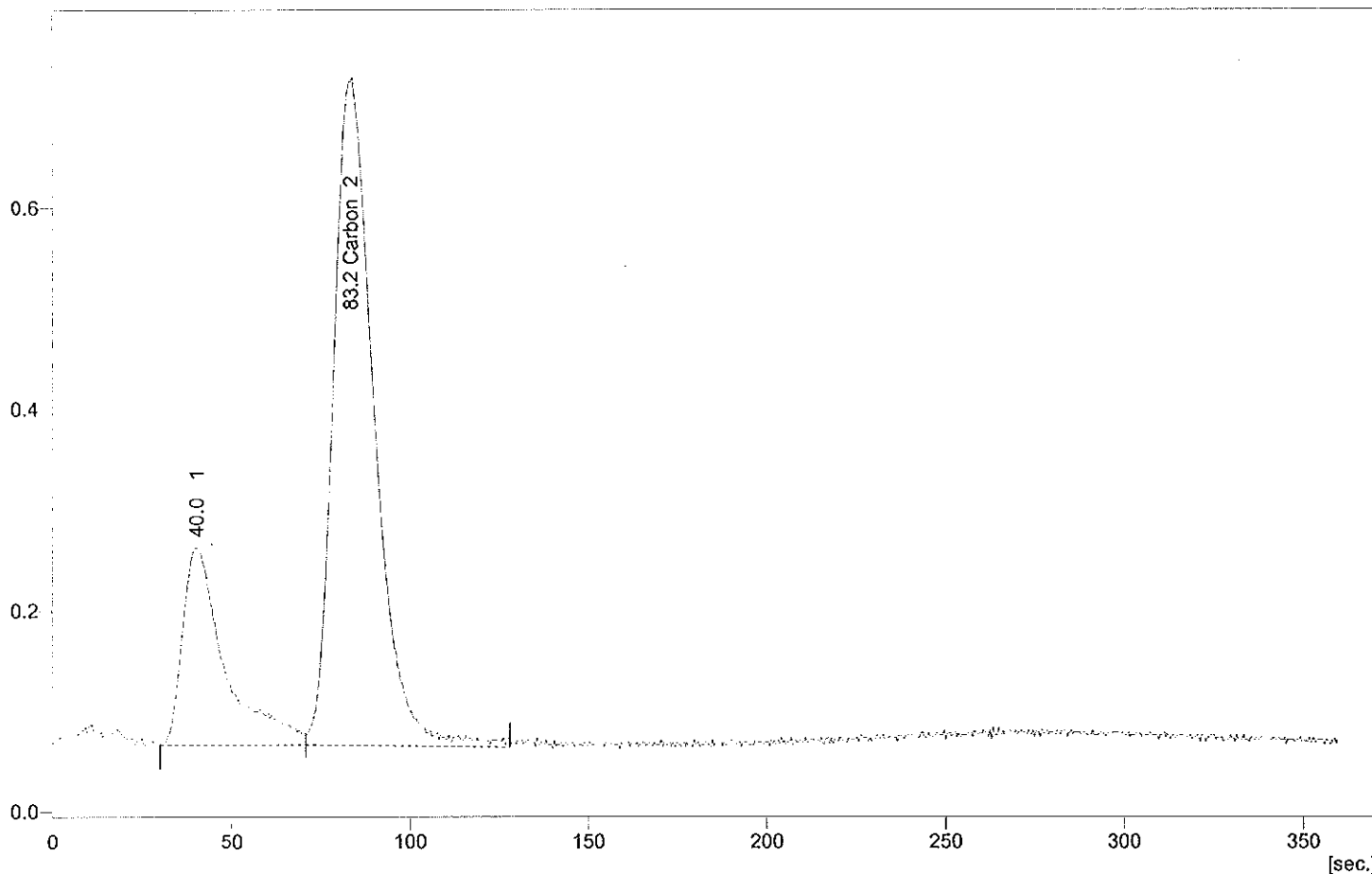
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.380	8.910	76.5	0.014	0.1440	1.0000	Refer
	Total	11.654	100.0	9.965	0.1440		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:54:59 PM
 Project : WORK2
 Weight : 9.753 mg
 Sample : 580-32844-A-10
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A010



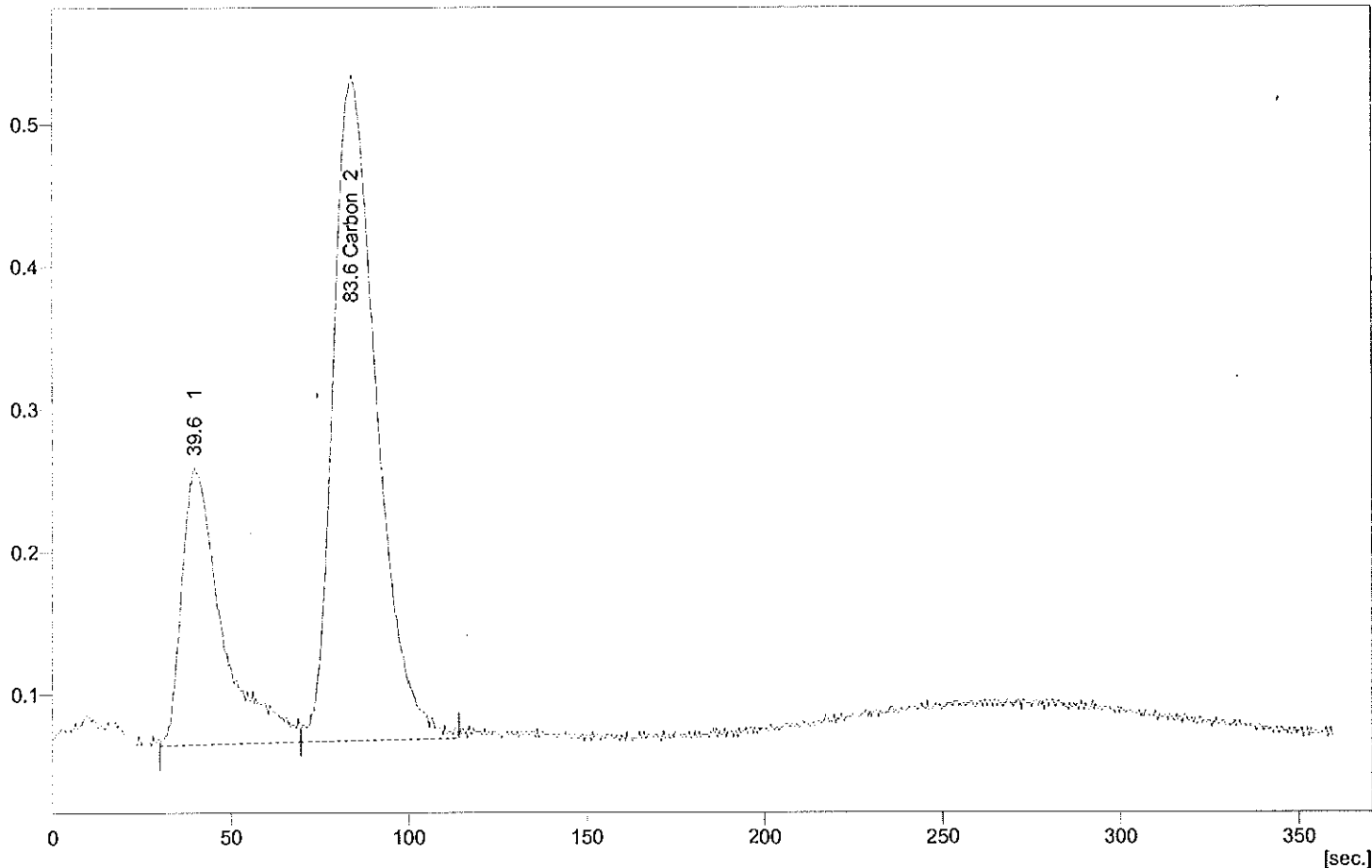
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	8.706	76.5	0.014	0.1443	1.0000	Refer
	Total	11.376	100.0	9.753	0.1443		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:01:39 PM
 Project : WORK2
 Weight : 9.901 mg
 Sample : 580-32844-A-15
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A011



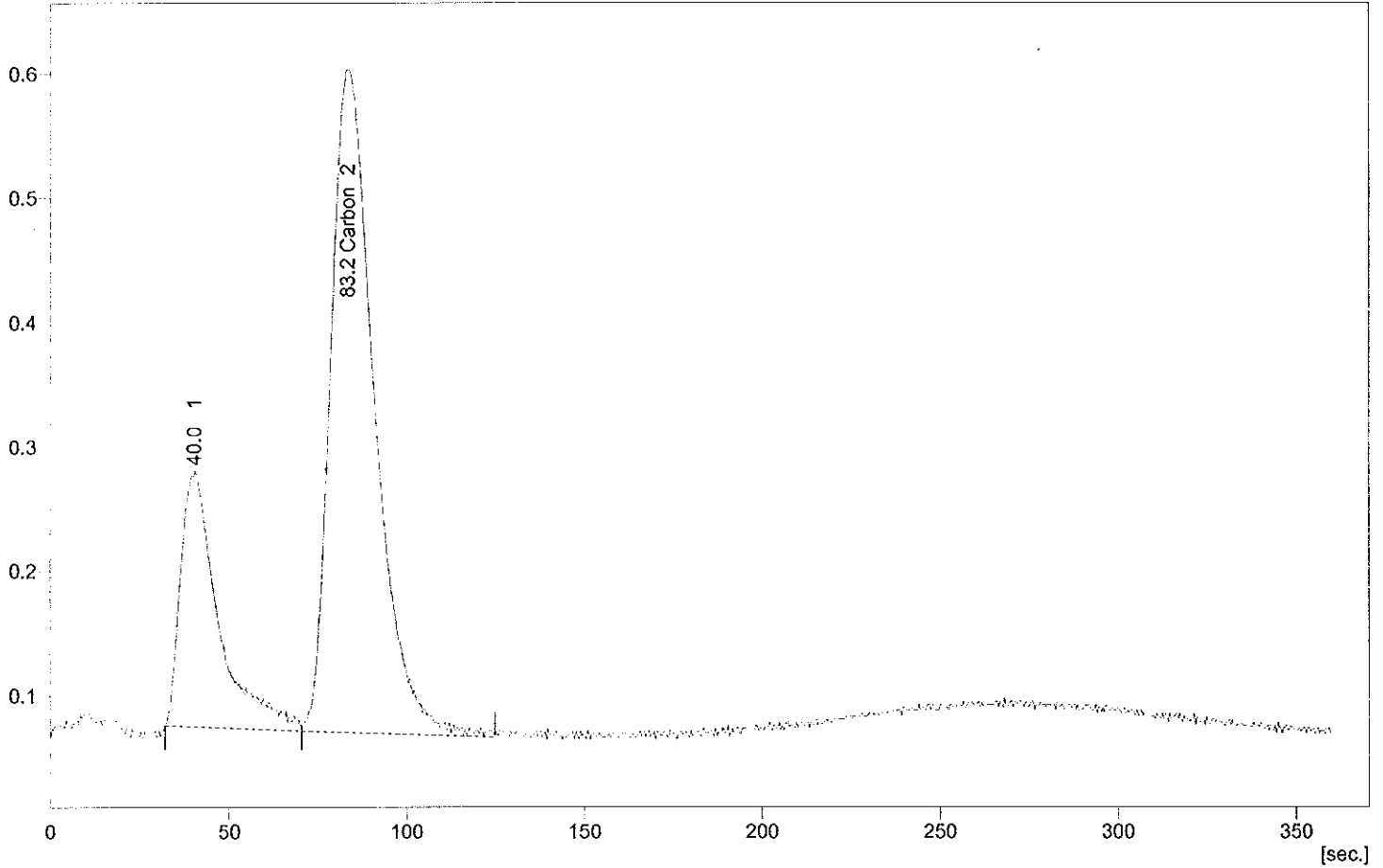
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	6.634	72.0	0.011	0.1133	1.0000	Refer
	Total	9.214	100.0	9.901	0.1133		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:08:18 PM
 Project : WORK2
 Weight : 10.296 mg
 Sample : 580-32844-A-15
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A012



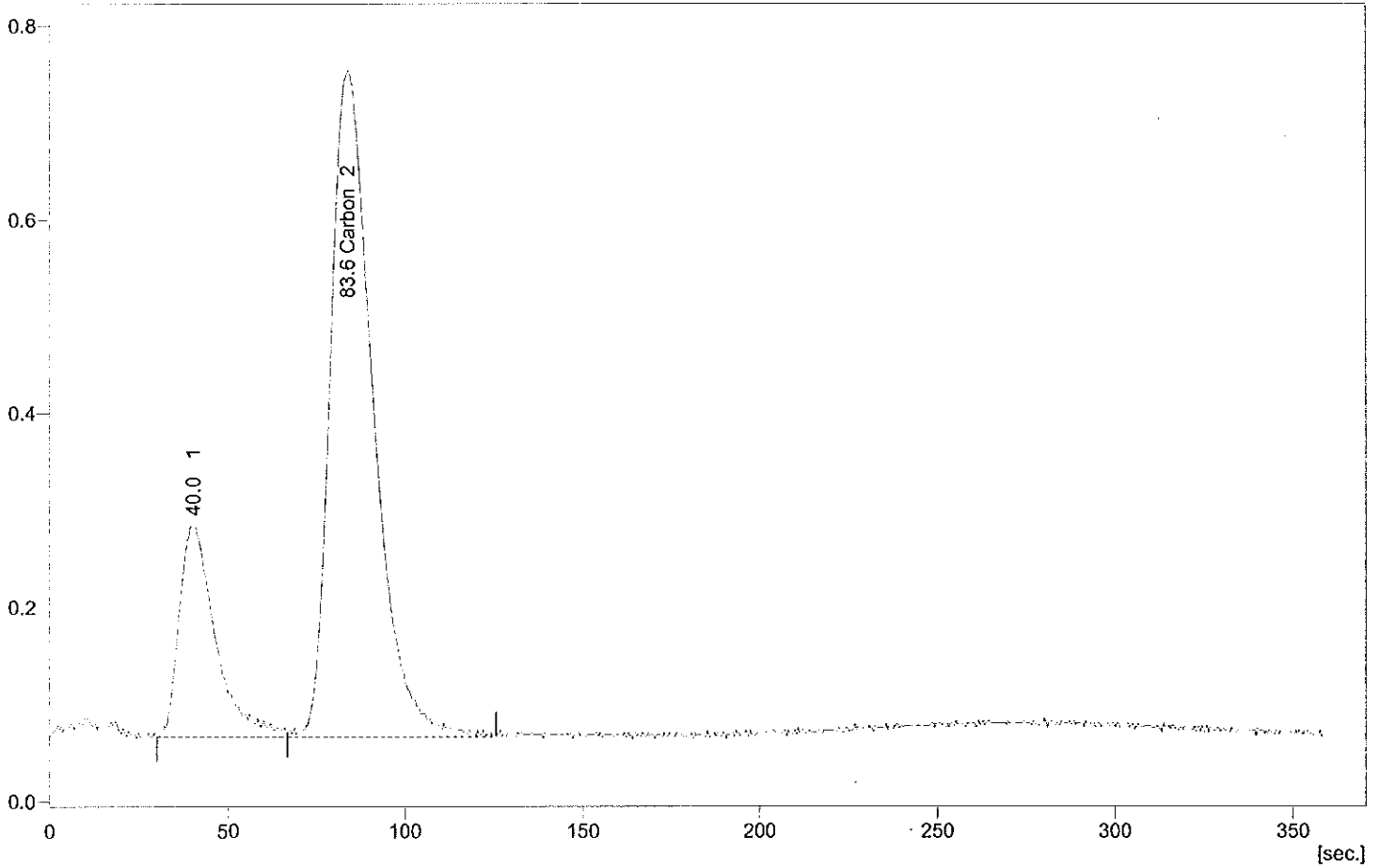
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	7.628	75.0	0.013	0.1222	1.0000	Refer
	Total	10.173	100.0	10.296	0.1222		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:14:59 PM
 Project : WORK2
 Weight : 10.133 mg
 Sample : 580-32847-A-5
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A013



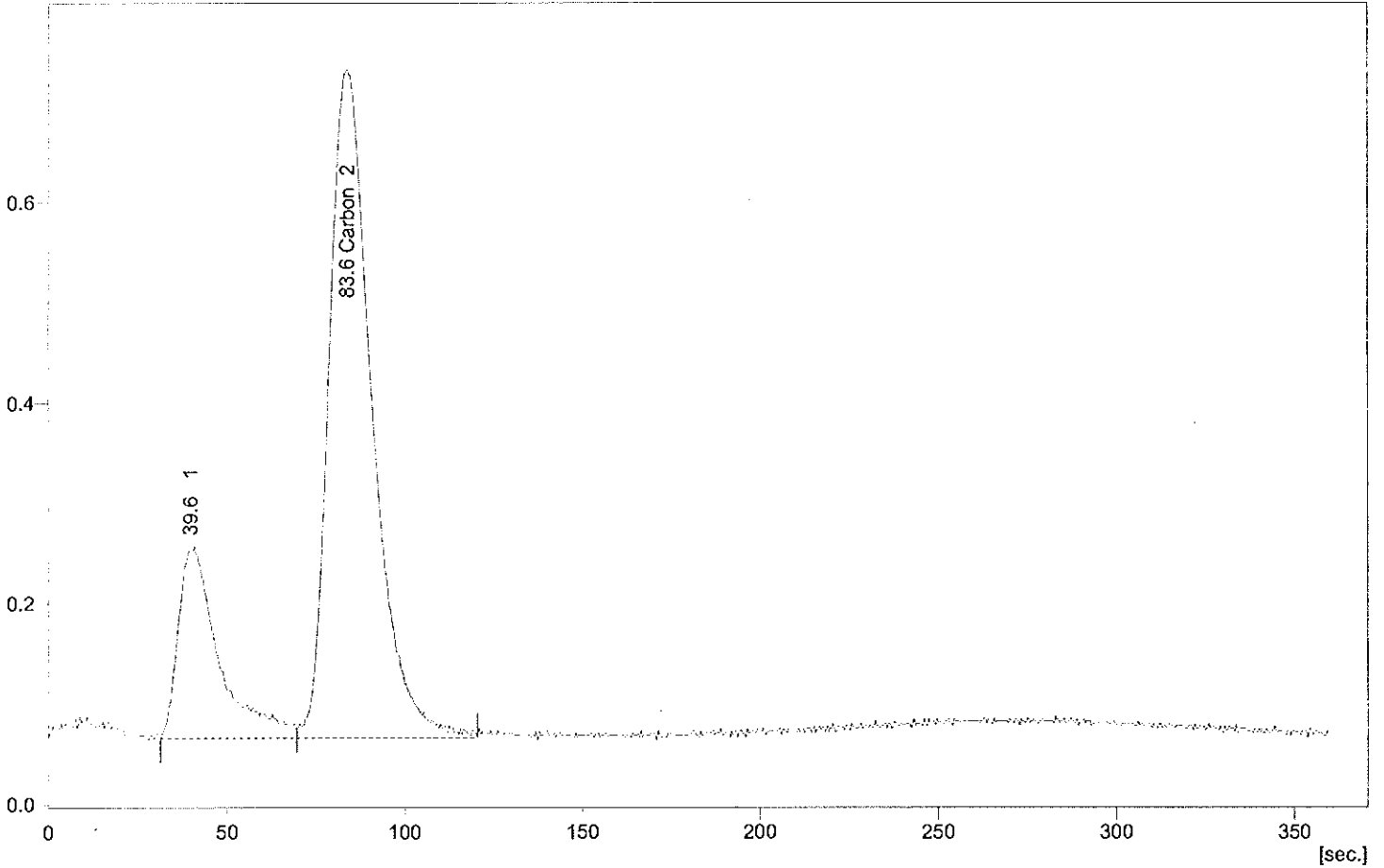
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	9.651	78.7	0.015	0.1517	1.0000	Refer
	Total	12.269	100.0	10.133	0.1517		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:21:41 PM
 Project : WORK2
 Weight : 10.252 mg
 Sample : 580-32847-A-5
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A014



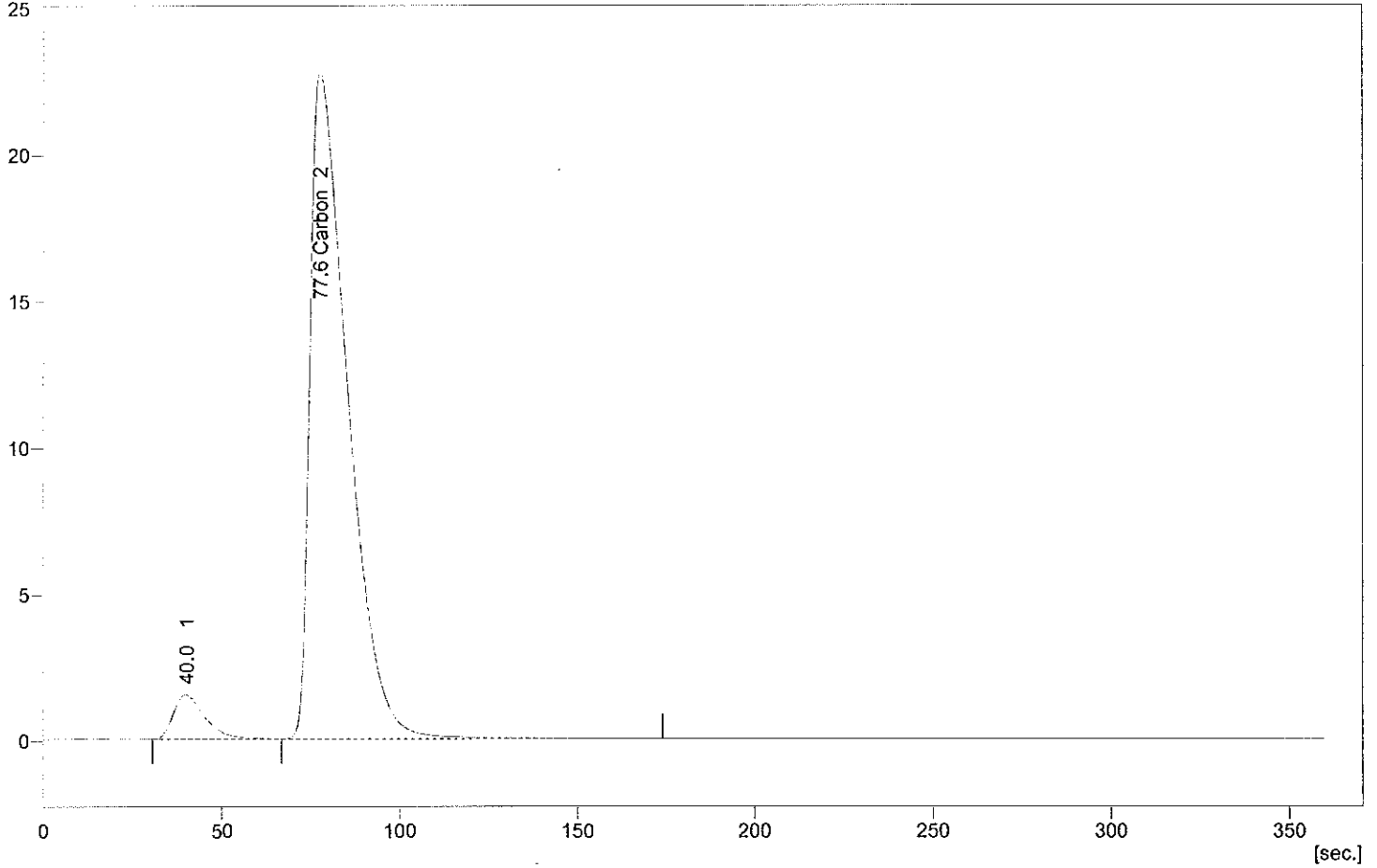
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	9.273	78.7	0.015	0.1449	1.0000	Refer
	Total	11.775	100.0	10.252	0.1449		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:28:23 PM
 Project : WORK2
 Weight : 0.513 mg
 Sample : ACETANILIDE
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A015



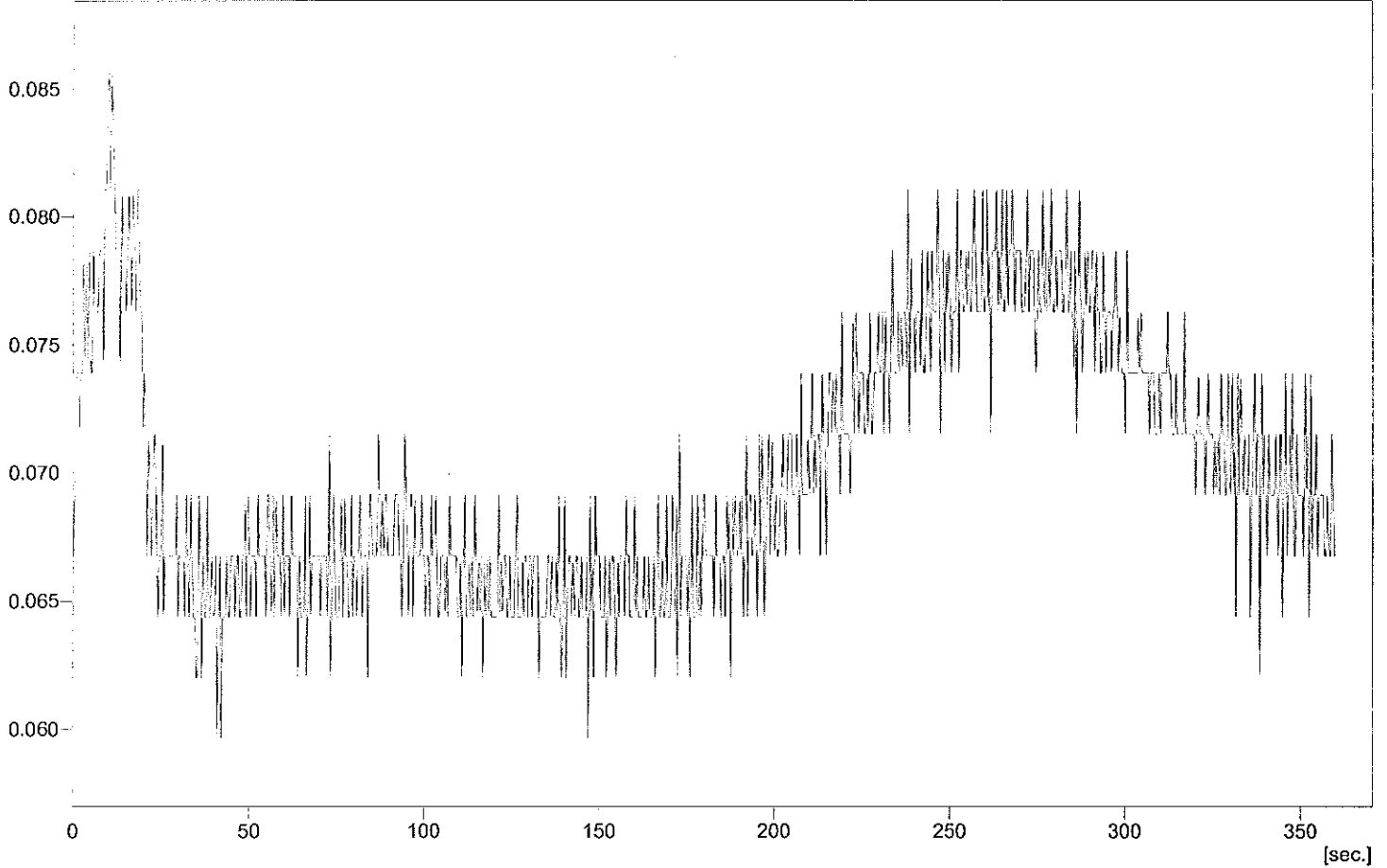
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.293	279.863	94.7	0.388	75.5699	1.0000	Refer
	Total	295.614	100.0	0.513	75.5699		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:35:07 PM
Project : WORK2
Weight : 10 mg
Sample : BLANK
Calibration : 052912A

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912A016



Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.316						Refer
	Total	0.000	100.0	10.000	0.0000		

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32847-1

SDG No.: _____

Batch Number: 113152 Batch Start Date: 06/11/12 18:05 Batch Analyst: Mattison, Adam

Batch Method: 9060_PSEP Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	CaCO3 00002	TOCS_LCS 00002				
ICV 580-113152/1		9060_PSEP		0.2082 g					
LCS 580-113152/4		9060_PSEP			191.5 mg				
CCV 580-113152/12		9060_PSEP		0.1171 g					
CCV 580-113152/24		9060_PSEP		0.1066 g					

Batch Notes	
Lot # of hydrochloric acid	905292

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32847-1

SDG No.: _____

Batch Number: 111866 Batch Start Date: 05/22/12 15:48 Batch Analyst: Zboralski, Edward

Batch Method: D 2216 Batch End Date: 05/23/12 12:46

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-32847-D-5	JW-EA05-COMP-120 509	D 2216	T	0.8000 g	10.6718 g	7.3707 g			

Batch Notes	
Balance ID	SEA218 No Unit
Date samples were placed in the oven	05/22/2012
Oven Temp when samples are put in oven	113.5 Degrees C
Time samples were place in the oven	1604
Date samples were removed from oven	05/23/2012
Oven Temp when samples removed from oven	114.5 Degrees C
Time Samples were removed from oven	1238
Oven ID	TAC306
ID number of the thermometer	3A4823
Uncorrected In Temperature	113 Celsius
Uncorrected Out Temperature	114 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 580-32847-1

SDG No.: _____

Batch Number: 39415 Batch Start Date: 05/29/12 11:55 Batch Analyst: Nelson, Andrea J

Batch Method: Lloyd Kahn Batch End Date: 05/29/12 13:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	WCBCLCSs 00006	WCLKCCVs 00006			
ICV 200-39415/1		Lloyd Kahn			0.553 mg			
LCS 200-39415/4		Lloyd Kahn		9.261 mg				
CCV 200-39415/9		Lloyd Kahn			0.513 mg			

Batch Notes	
Muffle Furnace ID	30400
Oven Temp when samples are put in oven	103 Celsius
Muffle Furnace temp when samples put in	375 Celsius
Time samples were place in the oven	05/22/2012 @ 1630
Time samples put in muffle furnace	05/24/2012 @ 1410
Oven Temp when samples removed from oven	104 Celsius
Muffle Furnace temp when samples removed	375 Celsius
Time Samples were removed from oven	05/23/2012 @ 0845
Time samples removed from muffle furnace	05/26/2012 @ 1950
Oven ID	2
Lot # of Phosphoric Acid	WCPA119i_00026

Basis	Basis Description

COVER PAGE
GEOTECHNICAL

Lab Name: TestAmerica Seattle Job Number: 580-32847-1

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID
JW-EA05-COMP-120509

Lab Sample ID
580-32847-5

Comments:

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA05-COMP-120509
 Lab Sample ID 580-32847-A-5

Date Received 5/9/2012
 Start Date 6/8/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 33 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Sample
Sample Weight (Wet)		117.9	117.9
Sample Weight (dry)			74.7387

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Sample
Sample >=#230			67.2197
Sample <#230			7.519
% Passing #230			10.1

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	8.6799	8.6799 g	88.4	Gravel	
#10	2000	0	1.2801	1.2801 g	86.7	Gravel	
#18	1000	0	1.5806	1.5806 g	84.6	Sand	Coarse
#35	500	0	6.5916	6.5916 g	75.8	Sand	Medium
#60	250	0	19.1015	19.1015 g	50.2	Sand	Medium
#120	125	0	22.0027	22.0027 g	20.8	Sand	Fine
#230	63	0	7.9833	7.9833 g	10.1	Sand	Fine
				0 g	10.1	Sand	Fine
				0 g	10.1		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	21	00:00:20	20	55.0204	55.1729	0.15038	1.615	2.160861776	7.9391382	Silt	Coarse
5 to 6	15.6	21	00:01:51	10	57.9018	58.022	0.11808	1.545	2.067202132	5.8719361	Silt	Medium
6 to 7	7.8	21	00:07:25	10	46.3992	46.4885	0.08718	1.455	1.946782591	3.9251535	Silt	Fine
7 to 8	3.9	21	00:29:41	10	54.6009	54.6611	0.05808	1.015	1.358064831	2.5670887	Silt	Very Fine
8 to 9	1.95	21	01:59:00	10	48.4736	48.5135	0.03778	0.625	0.836246817	1.7308419	Clay	Coarse
9 to 10	0.98	21	07:56:00	10	61.3957	61.4231	0.02528	0.385	0.515128039	1.2157138	Clay	Medium
10 to 11	0.49	21	31:40:00	10	55.3385	55.3582	0.01758	0.879	1.176097524	0	Clay	Fine
			not defined	10								

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GEOTECHNICAL

Client Sample ID: JW-EA05-COMP-120509

Lab Sample ID: 580-32847-5

Lab Name: TestAmerica Seattle

Job No.: 580-32847-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/09/2012 14:14

Reporting Basis: WET

Date Received: 05/10/2012 16:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	Cobbles	0.00			%			1	PSEP Plumb 1981
	Gravel	13			%			1	PSEP Plumb 1981
	Sand	77			%			1	PSEP Plumb 1981
	Silt	7.5			%			1	PSEP Plumb 1981
	Clay	2.6			%			1	PSEP Plumb 1981

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 580-32847-1

Login Number: 32847

List Source: TestAmerica Seattle

List Number: 1

Creator: Riley, Nicole

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	Sample splitting required for subcontract purposes.
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 580-32847-1

Login Number: 32847
List Number: 1
Creator: Kirchner, Benjamin

List Source: TestAmerica Burlington
List Creation: 05/17/12 04:37 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	385782
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2°C, IR GUN ID 154, CF -0.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.



9 July 2012

Delaney Peterson
 Anchor QEA
 720 Olive Way, Suite 1900
 Seattle WA 98101

Ph.: 206-287-9130

Subject: Certificate of Results

Dear Delaney

Attached to this narrative are the analytical results you requested on the sample submitted for the determination of polychlorinated biphenyl congeners . The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project Name	Jeld_Wen Surface Sediments
AP Project #	A4367
Analytical Protocol	EPA 1668B
No. Samples Submitted	n/a
No. Samples Analyzed	2 Waters (this project number)
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	11-May-2012
Condition Received	good
Temperature upon Receipt (C)	3
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	see QA/QC Annotations
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

**QC Annotations:**

1. See Appendix A & B for data qualifier, data attribute, and lab identifier information.
2. In the OPR the recovery of PCB-205 is slightly below the lower limit (78.3% vs 79% lower limit). Two labeled standards (PCB-77 and PCB-81) are slightly above the OPR established limits for 1668B. In all cases, variances are within the calibration (CS3) variances established for the method.

SGS-Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS-Analytical Perspectives welcome customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS-Analytical Perspectives.

Sincerely,

A handwritten signature in black ink that reads 'Todd Vilen'. The signature is written in a cursive style with a large, sweeping initial 'T'.

Todd Vilen
Project Scientist



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES

*	The reported concentration exceeds the calibration range (upper point of the calibration curve). ¹
>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte is found in the method blank, at a level that is $\leq 10x$ the sample concentration.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), where there is a co-eluting interference, or where a single ion is utilized for quantitation due to PFK interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
Ra	The new ratio – [Ra] -- for 2,3,7,8-TCDD following the ³⁷ Cl ₄ -2,3,7,8-TCDD correction is shown between squared brackets in the DL column. ¹
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.

APPENDIX B: LAB ID IDENTIFIERS


AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time



Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

<div style="display: flex; justify-content: space-between; align-items: center;"> Sample Summary  1668B </div>			
Analyte	MB #71970	JW-FB-120507	JW-RB-120507
	Conc. pg/L	Conc. pg/L	Conc. pg/L
PCB-77	(3.26)	(2.03)	(2.11)
PCB-81	(3.14)	(1.86)	(2.32)
PCB-105	(4.58)	4.01	15.6
PCB-114	(4.33)	(2.48)	(2.81)
PCB-118	[5.73]	[9.14]	43.2
PCB-123	(5.12)	(2.7)	(3.18)
PCB-126	(4.46)	(1.93)	(3.05)
PCB-156/157	(3.57)	(2.26)	4.76
PCB-167	(2.78)	(1.76)	(2.46)
PCB-169	(3.21)	(1.95)	(3.14)
PCB-189	(2.78)	(1.62)	(2.11)
Total Mono-CBs	(8.24)	(2.49)	(2.8)
Total Di-CBs	(123)	(32.3)	(38.5)
Total Tri-CBs	(9.29)	9.58	27.8
Total Tetra-CBs	(4.24)	33.4	177
Total Penta-CBs	18.6	48.7	295
Total Hexa-CBs	(3.41)	19.0	128
Total Hepta-CBs	(3.18)	6.48	37.0
Total Octa-CBs	(2.8)	(2.3)	(3.02)
Total Nona-CBs	(4.03)	(2.34)	(3.21)
PCB-209	(3.77)	(2.36)	(2.93)
TEQs (WHO 2005 M/H)			
ND = 0; EMPC = 0	0.00	0.00012	0.00191
ND = 0; EMPC = EMPC	0.000172	0.000394	0.00191
ND = DL/2; EMPC = 0	0.272	0.126	0.202
ND = DL/2; EMPC = EMPC	0.272	0.126	0.202
ND = DL; EMPC = 0	0.545	0.252	0.403
ND = DL; EMPC = EMPC	0.545	0.253	0.403


Checkcode

760-674-PZJ

605-161-NMY

417-340-WLP

() = DL
[] = EMPC

PCB Recoveries				1668B
Standard	MB #71970	JW-FB-120507	JW-RB-120507	
ES PCB-1	49.1	63.2	57.0	
ES PCB-3	47.8	59.9	54.3	
ES PCB-4	44.2	54.0	49.1	
ES PCB-15	53.1	66.0	56.9	
ES PCB-19	54.6	69.5	59.7	
ES PCB-37	78.0	83.1	78.8	
ES PCB-54	58.4	71.3	68.5	
ES PCB-77	125	100	96.8	
ES PCB-81	134	106	101	
ES PCB-104	40.6	55.1	52.8	
ES PCB-105	94.5	91.6	86.1	
ES PCB-114	87.6	84.4	77.4	
ES PCB-118	96.2	89.0	83.8	
ES PCB-123	86.3	83.8	77.0	
ES PCB-126	108	98.5	90.5	
ES PCB-155	67.2	83.2	78.8	
ES PCB-156/157	100	107	96.8	
ES PCB-167	95.5	103	96.2	
ES PCB-169	93.2	101	93.7	
ES PCB-188	73.6	76.3	72.7	
ES PCB-189	90.4	89.9	90.1	
ES PCB-202	82.6	85.5	78.3	
ES PCB-205	104	105	103	
ES PCB-206	96.2	93.8	91.8	
ES PCB-208	85.1	83.7	85.5	
ES PCB-209	99.1	89.3	86.6	

Checkcode

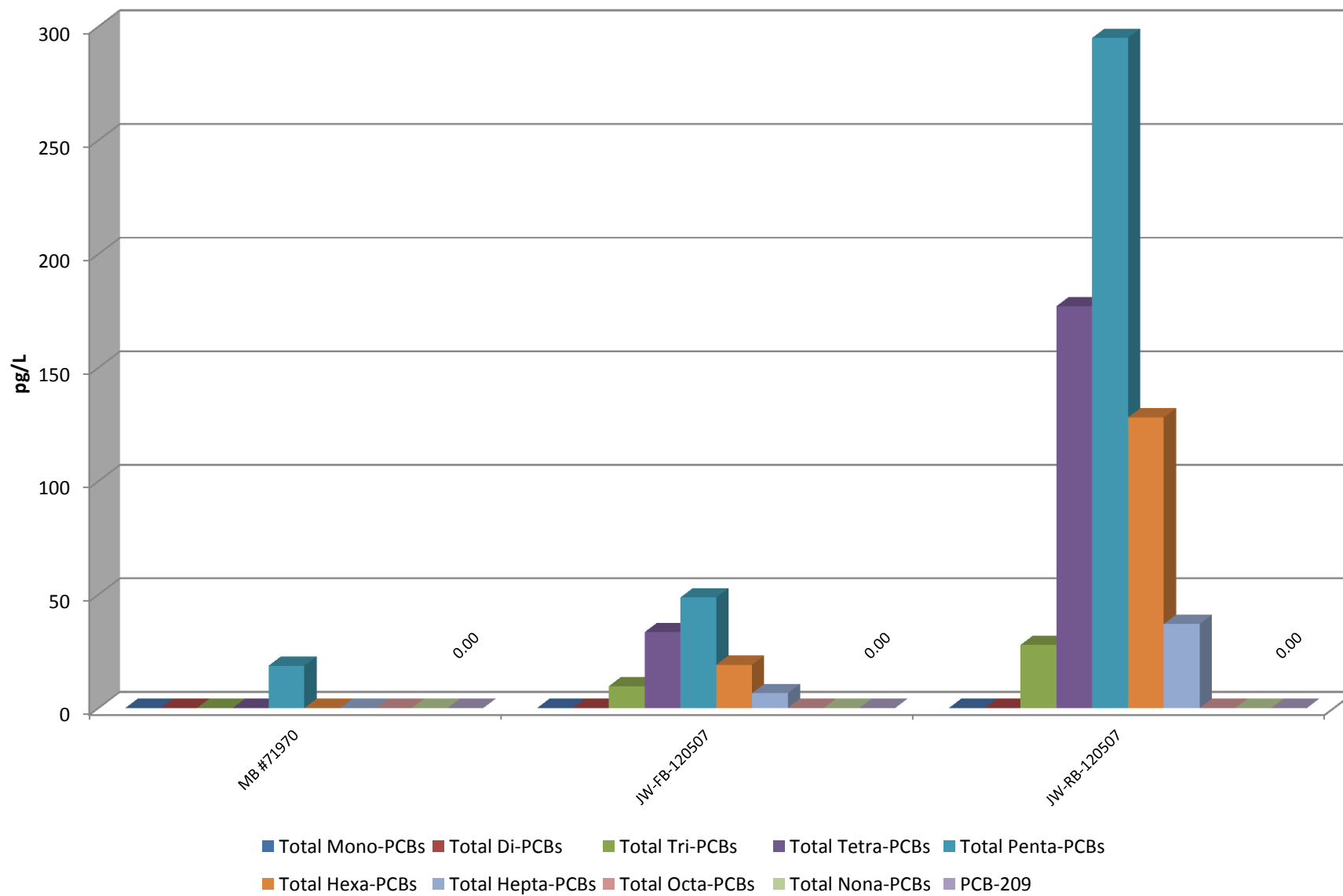
760-674-PZJ

605-161-NMY

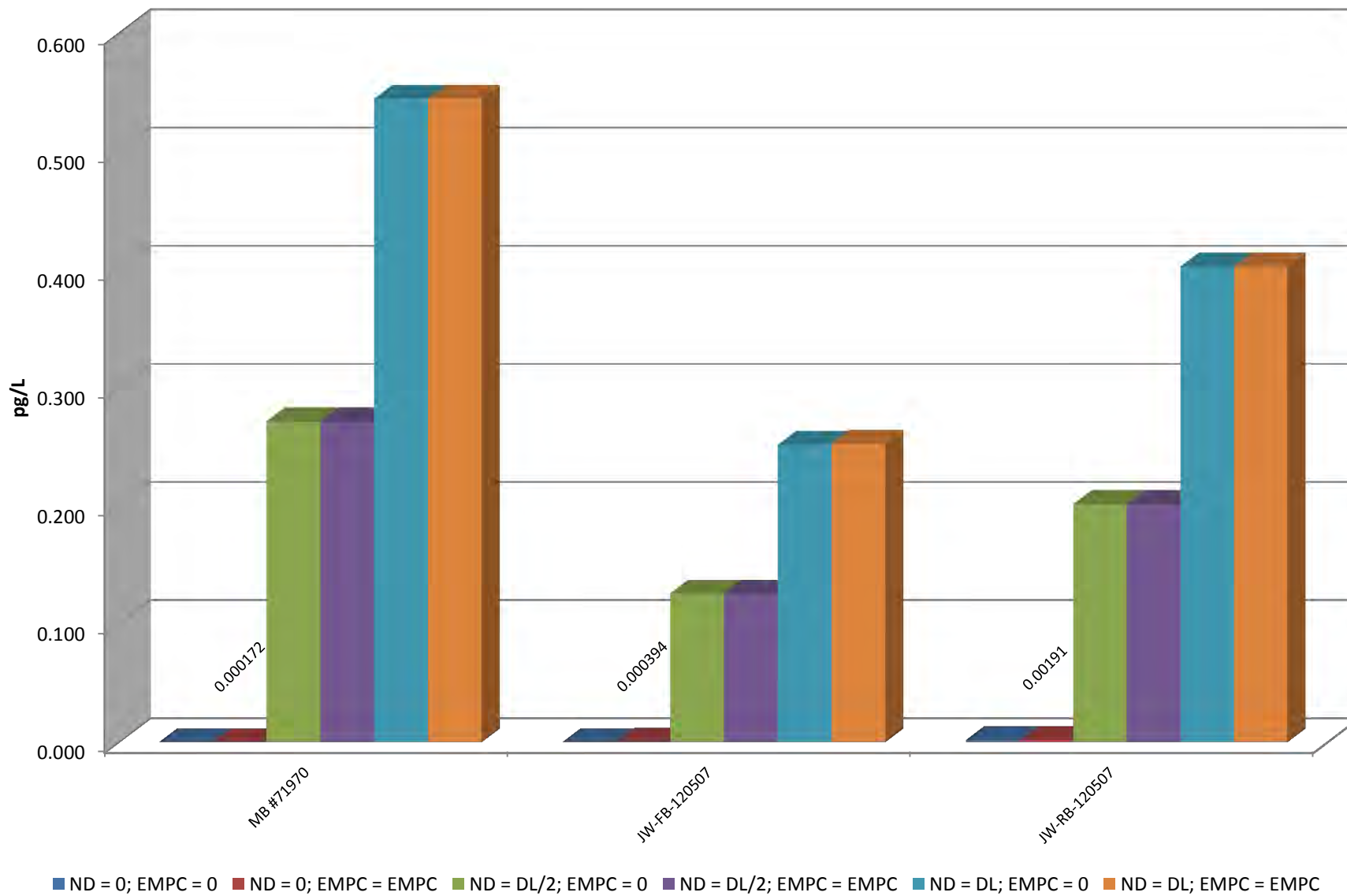
417-340-WLP

() = DL
 [] = EMPC

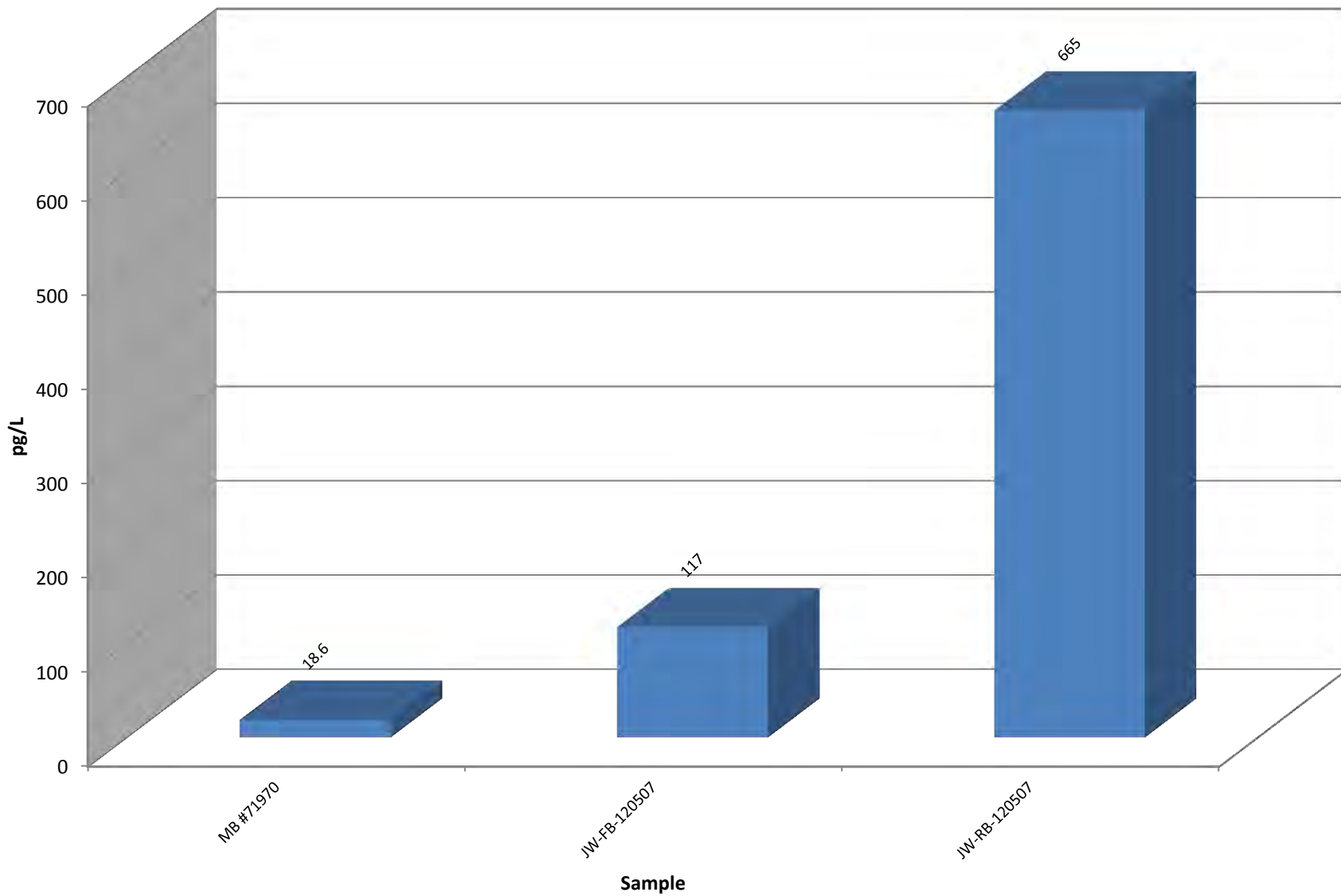
PCB Homologues
Project ID: JELD-WEN Surface Sediment
A4367



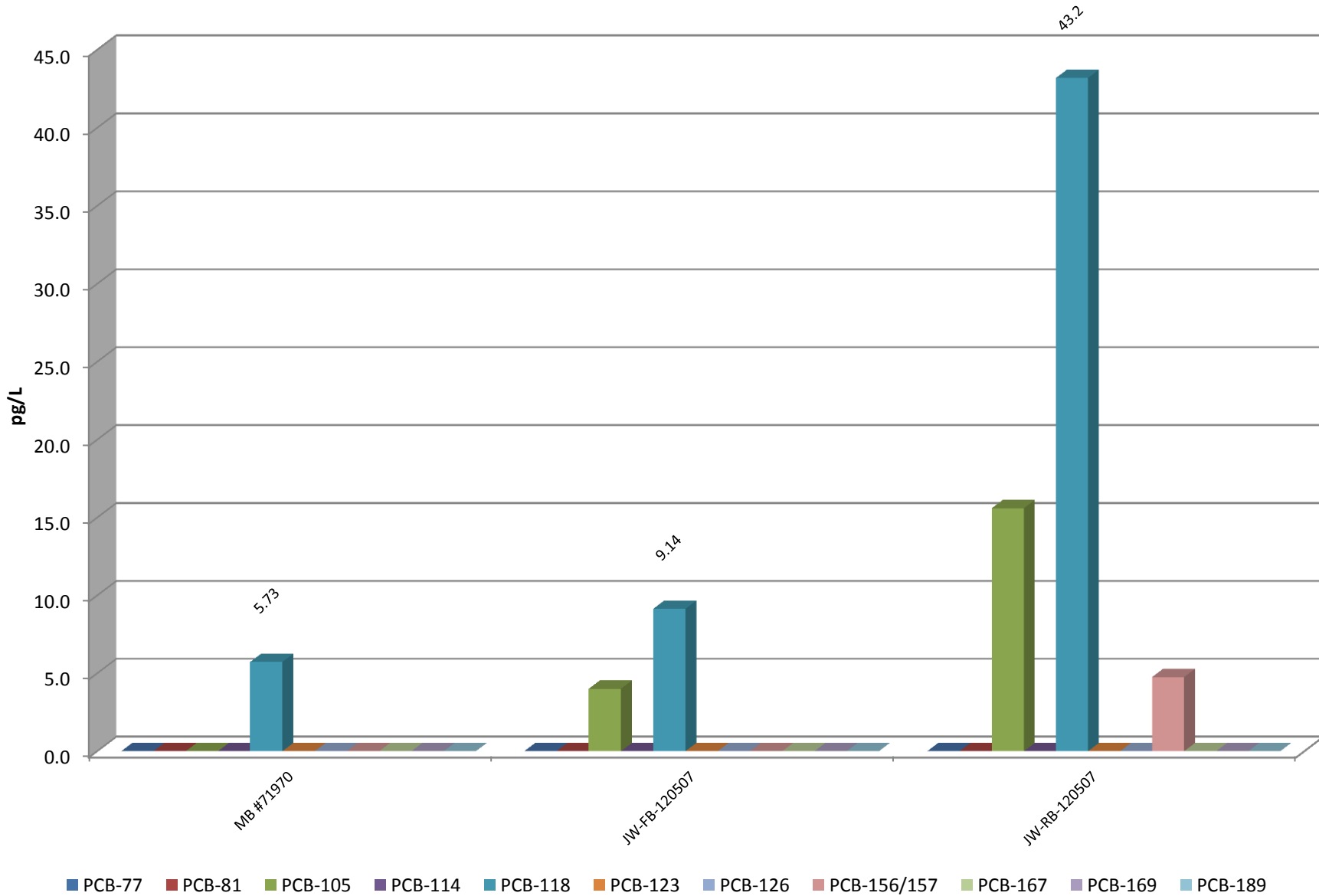
PCB TEQ
Project ID: JELD-WEN Surface Sediment
A4367



PCB Totals
Project ID: JELD-WEN Surface Sediment
A4367



PCB WHO
Project ID: JELD-WEN Surface Sediment
A4367



Sample ID: MB #71970**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	Jeld-Wen, Inc.	Matrix:	Aqueous	Project No.:	A4367	Date Received:	n/a
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	1.00 L	Sample ID:	MB1_9888_PCB_TLX	Date Extracted:	15-May-2012
Date Collected:	n/a	pH	5	QC Batch No.:	9888	Date Analyzed:	29-Jun-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/L	pg/L	pg/L			%	
PCB-77 33'44'-TeCB	ND	3.26			ES PCB-1	49.1	
PCB-81 344'5'-TeCB	ND	3.14			ES PCB-3	47.8	
PCB-105 233'44'-PeCB	ND	4.58			ES PCB-4	44.2	
PCB-114 2344'5'-PeCB	ND	4.33			ES PCB-15	53.1	
PCB-118 23'44'5'-PeCB	EMPC		5.73	J	ES PCB-19	54.6	
PCB-123 23'44'5'-PeCB	ND	5.12			ES PCB-37	78	
PCB-126 33'44'5'-PeCB	ND	4.46			ES PCB-54	58.4	
PCB-156/157 233'44'5'/233'44'5'-HxCB	ND	3.57		C	ES PCB-77	125 V	
PCB-167 23'44'55'-HxCB	ND	2.78			ES PCB-81	134 V	
PCB-169 33'44'55'-HxCB	ND	3.21			ES PCB-104	40.6	
PCB-189 233'44'55'-HpCB	ND	2.78			ES PCB-105	94.5	
					ES PCB-114	87.6	
TEQs (WHO M/H)					ES PCB-118	96.2	
					ES PCB-123	86.3	
ND = 0	0		0.000172		ES PCB-126	108 V	
ND = 0.5 x DL	0.272		0.272		ES PCB-153	-	
					ES PCB-155	67.2	
Totals					ES PCB-156/157	100	
					ES PCB-167	95.5	
Mono-CBs	ND	8.24			ES PCB-169	93.2	
Di-CBs	ND	123			ES PCB-170	-	
Tri-CBs	ND	9.29			ES PCB-180	-	
Tetra-CBs	ND	4.24			ES PCB-188	73.6	
Penta-CBs	18.6		37.3		ES PCB-189	90.4	
Hexa-CBs	ND	3.41			ES PCB-202	82.6	
Hepta-CBs	ND	3.18			ES PCB-205	104	
Octa-CBs	ND	2.8			ES PCB-206	96.2	
Nona-CBs	ND	4.03			ES PCB-208	85.1	
Deca-CB	ND	3.77			ES PCB-209	99.1	
					CS PCB-28	85	
Total PCB (Mono-Deca)	18.6		37.3		CS PCB-111	95.9	
					CS PCB-178	84.9	

Checkcode: 760-674-PZJ


SGS AP PCB 2012 Rev. 1.4

Report Created: 03-Jul-2012 14:56 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: MB #71970**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name: Jeld-Wen, Inc.			Matrix: Aqueous			Project No.: A4367			Date Received: n/a								
Project ID: Jeld-Wen Surface Sediment			Weight/Volume: 1.00 L			Sample ID: MB1_9888_PCB_TLX			Date Extracted: 15-May-2012								
Date Collected: n/a			pH: 5			QC Batch No.: 9888			Date Analyzed: 29-Jun-2012								
			Units: pg/L			Checkcode: 760-674-PZJ			Time Analyzed: 16:41:37								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	(6.97)		PCB-19	(11.8)		PCB-54	(5.33)		PCB-72	(3.07)							
PCB-2	(8.68)		PCB-30/18	(9.66)	C	PCB-50/53	(4.52)	C	PCB-68	(2.83)							
PCB-3	(9.5)		PCB-17	(11.6)		PCB-45	(5.29)		PCB-57	(3.17)							
			PCB-27	(8.55)		PCB-51	(4.52)		PCB-58	(3.12)							
Conc.	0		PCB-24	(8.97)		PCB-46	(5.64)		PCB-67	(3.04)							
EMPC	0		PCB-16	(14.8)		PCB-52	(4.93)		PCB-63	(2.87)							
			PCB-32	(8.02)		PCB-73	(3.64)		PCB-61/70/74/76	(3.06)	C						
Di	Conc.	Qualifiers	PCB-34	(6.35)		PCB-43	(5.43)		PCB-66	(3.32)							
PCB-4	(154)		PCB-23	(6.08)		PCB-69/49	(3.88)	C	PCB-55	(3.13)							
PCB-10	(89.5)		PCB-26/29	(6.03)	C	PCB-48	(4.8)		PCB-56	(3.34)							
PCB-9	(92.3)		PCB-25	(6.02)		PCB-44/47/65	(4.45)	C	PCB-60	(3.13)							
PCB-7	(79.1)		PCB-31	(5.84)		PCB-59/62/75	(3.49)	C	PCB-80	(2.79)							
PCB-6	(86.6)		PCB-28/20	(6.1)	C	PCB-42	(5)		PCB-79	(2.95)							
PCB-5	(85.5)		PCB-21/33	(5.94)	C	PCB-41	(5.64)		PCB-78	(3.43)							
PCB-8	(79.4)		PCB-22	(6.55)		PCB-71/40	(4.61)	C	PCB-81	(3.14)							
PCB-14	(72.2)		PCB-36	(6.17)		PCB-64	(3.32)		PCB-77	(3.26)							
PCB-11	(87.8)		PCB-39	(5.82)													
PCB-13/12	(83.7)	C	PCB-38	(6.67)													
PCB-15	(92.1)		PCB-35	(6.78)													
			PCB-37	(6.73)													
Conc.	0		Conc.	0					Conc.	0							
EMPC	0		EMPC	0					EMPC	0							
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC					
						Mono-Tri						0			0		
						Tetra-Hexa						18.6			37.3		
						Hepta-Deca						0			0		
						Mono-Deca						18.6			37.3		

Sample ID: MB #71970						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(7.62)		PCB-109/119/86...	(5.3)	C	PCB-155	(4.1)		PCB-165	(5.42)	
PCB-96	(8.03)		PCB-117	(5.81)		PCB-152	(4.52)		PCB-146	(6.06)	
PCB-103	(5.65)		PCB-116/85	(4.88)	C	PCB-150	(4.47)		PCB-161	(4.94)	
PCB-94	(6.37)		PCB-110	[13]	EMPC	PCB-136	(4.79)		PCB-153/168	(4.87)	C
PCB-95	8.94	J	PCB-115	(4.24)		PCB-145	(4.62)		PCB-141	(6.35)	
PCB-100/93	(5.84)	C	PCB-82	(7.26)		PCB-148	(6.09)		PCB-130	(7.43)	
PCB-102	(5.9)		PCB-111	(4.53)		PCB-151/135	(6.2)	C	PCB-137	(5.95)	
PCB-98	(6.17)		PCB-120	(4.5)		PCB-154	(5.59)		PCB-164	(5.09)	
PCB-88	(6.1)		PCB-108/124	(4.93)	C	PCB-144	(6.17)		PCB-163/138/129	(5.98)	C
PCB-91	(5.71)		PCB-107	(4.99)		PCB-147/149	(6.09)	C	PCB-160	(5.16)	
PCB-84	(6.96)		PCB-123	(5.12)		PCB-134	(7.91)		PCB-158	(4.62)	
PCB-89	(6.68)		PCB-106	(4.74)		PCB-143	(6.05)		PCB-128/166	(3.17)	C
PCB-121	(4.43)		PCB-118	[5.73]	J EMPC	PCB-139/140	(5.92)	C	PCB-159	(2.8)	
PCB-92	(6.29)		PCB-122	(4.74)		PCB-131	(7.04)		PCB-162	(2.75)	
PCB-113/90/101	9.63	J C	PCB-114	(4.33)		PCB-142	(6.82)		PCB-167	(2.78)	
PCB-83	(7.64)		PCB-105	(4.58)		PCB-132	(6.81)		PCB-156/157	(3.57)	C
PCB-99	(5.74)		PCB-127	(4.66)		PCB-133	(6.59)		PCB-169	(3.21)	
PCB-112	(4.71)		PCB-126	(4.46)							
			Conc.	18.6					Conc.	0	
			EMPC	37.3					EMPC	0	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(2.88)		PCB-174	(4.21)		PCB-202	(2.82)		PCB-208	(3.82)	
PCB-179	(3.15)		PCB-177	(4.11)		PCB-201	(2.47)		PCB-207	(3.78)	
PCB-184	(3.21)		PCB-181	(3.49)		PCB-204	(2.61)		PCB-206	(4.25)	
PCB-176	(2.86)		PCB-171/173	(3.94)	C	PCB-197	(2.52)				
PCB-186	(3.07)		PCB-172	(3.51)		PCB-200	(2.47)		Conc.	0	
PCB-178	(4.23)		PCB-192	(2.73)		PCB-198/199	(3.48)	C	EMPC	0	
PCB-175	(3.57)		PCB-180/193	(2.75)	C	PCB-196	(3.31)				
PCB-187	(3.48)		PCB-191	(2.61)		PCB-203	(3.14)		Deca	Conc.	Qualifiers
PCB-182	(3.41)		PCB-170	(3.32)		PCB-195	(4.39)		PCB-209	(3.77)	
PCB-183	(3.03)		PCB-190	(2.56)		PCB-194	(4.09)				
PCB-185	(3.83)		PCB-189	(2.78)		PCB-205	(2.78)				
			Conc.	0		Conc.	0				
			EMPC	0		EMPC	0				

Sample ID: JW-FB-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	Jeld-Wen, Inc.	Matrix:	Aqueous	Project No.:	A4367	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	1.06 L	Sample ID:	A4367_9888_PCB_001-RJ	Date Extracted:	15-May-2012
Date Collected:	07-May-2012	pH	7	QC Batch No.:	9888	Date Analyzed:	29-Jun-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/L	pg/L	pg/L			%	
PCB-77 33'44"-TeCB	ND	2.03			ES PCB-1	63.2	
PCB-81 344'5"-TeCB	ND	1.86			ES PCB-3	59.9	
PCB-105 233'44"-PeCB	4.01			J	ES PCB-4	54	
PCB-114 2344'5"-PeCB	ND	2.48			ES PCB-15	66	
PCB-118 23'44'5"-PeCB	EMPC		9.14	J B	ES PCB-19	69.5	
PCB-123 23'44'5"-PeCB	ND	2.7			ES PCB-37	83.1	
PCB-126 33'44'5"-PeCB	ND	1.93			ES PCB-54	71.3	
PCB-156/157 233'44'5"/233'44'5"-HxCB	ND	2.26		C	ES PCB-77	100	
PCB-167 23'44'55"-HxCB	ND	1.76			ES PCB-81	106	
PCB-169 33'44'55"-HxCB	ND	1.95			ES PCB-104	55.1	
PCB-189 233'44'55"-HpCB	ND	1.62			ES PCB-105	91.6	
					ES PCB-114	84.4	
TEQs (WHO M/H)					ES PCB-118	89	
					ES PCB-123	83.8	
ND = 0	0.00012		0.000394		ES PCB-126	98.5	
ND = 0.5 x DL	0.126		0.126		ES PCB-153	-	
					ES PCB-155	83.2	
Totals					ES PCB-156/157	107	
					ES PCB-167	103	
Mono-CBs	ND	2.49			ES PCB-169	101	
Di-CBs	ND	32.3			ES PCB-170	-	
Tri-CBs	9.58				ES PCB-180	-	
Tetra-CBs	33.4		37.3		ES PCB-188	76.3	
Penta-CBs	48.7		68.7		ES PCB-189	89.9	
Hexa-CBs	19		45.2		ES PCB-202	85.5	
Hepta-CBs	6.48				ES PCB-205	105	
Octa-CBs	ND	2.3			ES PCB-206	93.8	
Nona-CBs	ND	2.34			ES PCB-208	83.7	
Deca-CB	ND	2.36			ES PCB-209	89.3	
					CS PCB-28	93.2	
Total PCB (Mono-Deca)	117		167		CS PCB-111	91.9	
					CS PCB-178	89.8	

Checkcode: 605-161-NMY


SGS AP PCB 2012 Rev. 1.4

Report Created: 03-Jul-2012 14:56 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-FB-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data								
Name:	Jeld-Wen, Inc.		Matrix:	Aqueous		Project No.:	A4367		Date Received:	09-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	1.06 L		Sample ID:	A4367_9888_PCB_001-RJ		Date Extracted:	15-May-2012				
Date Collected:	07-May-2012		pH	7		QC Batch No.:	9888		Date Analyzed:	29-Jun-2012				
			Units	pg/L		Checkcode:	605-161-NMY		Time Analyzed:	18:29:41				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	(2.06)		PCB-19	(3.01)		PCB-54	(1.74)		PCB-72	(1.82)				
PCB-2	(2.67)		PCB-30/18	(2.45)	C	PCB-50/53	(1.99)	C	PCB-68	(1.68)				
PCB-3	(2.92)		PCB-17	(2.95)		PCB-45	(2.33)		PCB-57	(1.88)				
			PCB-27	(2.17)		PCB-51	(1.99)		PCB-58	(1.85)				
Conc.	0		PCB-24	(2.28)		PCB-46	(2.49)		PCB-67	(1.8)				
EMPC	0		PCB-16	(3.75)		PCB-52	11		PCB-63	(1.7)				
			PCB-32	(2.04)		PCB-73	(1.6)		PCB-61/70/74/76	10.1	J C			
Di	Conc.	Qualifiers	PCB-34	(2.7)		PCB-43	(2.4)		PCB-66	4.5	J			
PCB-4	(41)		PCB-23	(2.59)		PCB-69/49	[3.84]	J EMPC C	PCB-55	(1.86)				
PCB-10	(23.8)		PCB-26/29	(2.57)	C	PCB-48	(2.12)		PCB-56	(1.98)				
PCB-9	(23.6)		PCB-25	(2.56)		PCB-44/47/65	7.89	J C	PCB-60	(1.86)				
PCB-7	(20.2)		PCB-31	4.17	J	PCB-59/62/75	(1.54)	C	PCB-80	(1.66)				
PCB-6	(22.1)		PCB-28/20	5.41	J C	PCB-42	(2.21)		PCB-79	(1.75)				
PCB-5	(21.8)		PCB-21/33	(2.52)	C	PCB-41	(2.49)		PCB-78	(2.03)				
PCB-8	(20.3)		PCB-22	(2.79)		PCB-71/40	(2.03)	C	PCB-81	(1.86)				
PCB-14	(18.5)		PCB-36	(2.62)		PCB-64	(1.46)		PCB-77	(2.03)				
PCB-11	(22.4)		PCB-39	(2.47)										
PCB-13/12	(21.4)	C	PCB-38	(2.84)										
PCB-15	(23.5)		PCB-35	(2.88)										
			PCB-37	(2.86)										
Conc.	0		Conc.	9.58					Conc.	33.4				
EMPC	0		EMPC	9.58					EMPC	37.3				
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC		
						Mono-Tri			9.58			9.58		
						Tetra-Hexa			101			151		
						Hepta-Deca			6.48			6.48		
						Mono-Deca			117			167		

Sample ID: JW-FB-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(2.5)		PCB-109/119/86...	8.54	J C	PCB-155	(1.84)		PCB-165	(2.43)	
PCB-96	(2.64)		PCB-117	(3.06)		PCB-152	(2.03)		PCB-146	(2.72)	
PCB-103	(2.98)		PCB-116/85	(2.57)	C	PCB-150	(2.01)		PCB-161	(2.22)	
PCB-94	(3.36)		PCB-110	18.4	B	PCB-136	(2.15)		PCB-153/168	[11.6]	J EMPC C
PCB-95	12.3	B	PCB-115	(2.24)		PCB-145	(2.07)		PCB-141	(2.85)	
PCB-100/93	(3.07)	C	PCB-82	(3.82)		PCB-148	(2.73)		PCB-130	(3.34)	
PCB-102	(3.11)		PCB-111	(2.39)		PCB-151/135	(2.78)	C	PCB-137	(2.67)	
PCB-98	(3.25)		PCB-120	(2.37)		PCB-154	(2.51)		PCB-164	(2.28)	
PCB-88	(3.22)		PCB-108/124	(2.6)	C	PCB-144	(2.77)		PCB-163/138/129	19	J C
PCB-91	(3.01)		PCB-107	(2.63)		PCB-147/149	[14.7]	J EMPC C	PCB-160	(2.32)	
PCB-84	(3.67)		PCB-123	(2.7)		PCB-134	(3.55)		PCB-158	(2.07)	
PCB-89	(3.52)		PCB-106	(2.5)		PCB-143	(2.72)		PCB-128/166	(2.01)	C
PCB-121	(2.33)		PCB-118	[9.14]	J B EMPC	PCB-139/140	(2.66)	C	PCB-159	(1.77)	
PCB-92	(3.32)		PCB-122	(2.72)		PCB-131	(3.16)		PCB-162	(1.74)	
PCB-113/90/101	[10.9]	J B EMPC C	PCB-114	(2.48)		PCB-142	(3.06)		PCB-167	(1.76)	
PCB-83	(4.02)		PCB-105	4.01	J	PCB-132	(3.06)		PCB-156/157	(2.26)	C
PCB-99	5.44	J	PCB-127	(2.55)		PCB-133	(2.96)		PCB-169	(1.95)	
PCB-112	(2.48)		PCB-126	(1.93)							
			Conc.	48.7					Conc.	19	
			EMPC	68.7					EMPC	45.2	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(2.3)		PCB-174	(4)		PCB-202	(2.99)		PCB-208	(2.28)	
PCB-179	(2.52)		PCB-177	(3.91)		PCB-201	(2.62)		PCB-207	(2.26)	
PCB-184	(2.56)		PCB-181	(3.32)		PCB-204	(2.77)		PCB-206	(2.39)	
PCB-176	(2.29)		PCB-171/173	(3.75)	C	PCB-197	(2.67)				
PCB-186	(2.46)		PCB-172	(3.16)		PCB-200	(2.62)		Conc.	0	
PCB-178	(3.38)		PCB-192	(2.46)		PCB-198/199	(3.69)	C	EMPC	0	
PCB-175	(3.39)		PCB-180/193	6.48	J C	PCB-196	(3.51)				
PCB-187	(3.31)		PCB-191	(2.35)		PCB-203	(3.33)		Deca	Conc.	Qualifiers
PCB-182	(3.24)		PCB-170	(3)		PCB-195	(2.55)		PCB-209	(2.36)	
PCB-183	(2.88)		PCB-190	(2.31)		PCB-194	(2.37)				
PCB-185	(3.64)		PCB-189	(1.62)		PCB-205	(1.61)				
			Conc.	6.48		Conc.	0				
			EMPC	6.48		EMPC	0				

Sample ID: JW-RB-120507**Method 1668B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	Jeld-Wen, Inc.	Matrix:	Aqueous	Project No.:	A4367	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	0.92 L	Sample ID:	A4367_9888_PCB_002-RJ	Date Extracted:	15-May-2012
Date Collected:	07-May-2012	pH	7	QC Batch No.:	9888	Date Analyzed:	29-Jun-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/L	pg/L	pg/L				%
PCB-77 33'44"-TeCB	ND	2.11			ES PCB-1		57
PCB-81 344'5"-TeCB	ND	2.32			ES PCB-3		54.3
PCB-105 233'44"-PeCB	15.6				ES PCB-4		49.1
PCB-114 2344'5"-PeCB	ND	2.81			ES PCB-15		56.9
PCB-118 23'44'5"-PeCB	43.2			B	ES PCB-19		59.7
PCB-123 23'44'5"-PeCB	ND	3.18			ES PCB-37		78.8
PCB-126 33'44'5"-PeCB	ND	3.05			ES PCB-54		68.5
PCB-156/157 233'44'5"/233'44'5"-HxCB	4.76			J C	ES PCB-77		96.8
PCB-167 23'44'55"-HxCB	ND	2.46			ES PCB-81		101
PCB-169 33'44'55"-HxCB	ND	3.14			ES PCB-104		52.8
PCB-189 233'44'55"-HpCB	ND	2.11			ES PCB-105		86.1
					ES PCB-114		77.4
TEQs (WHO M/H)					ES PCB-118		83.8
					ES PCB-123		77
ND = 0	0.00191		0.00191		ES PCB-126		90.5
ND = 0.5 x DL	0.202		0.202		ES PCB-153		-
					ES PCB-155		78.8
Totals					ES PCB-156/157		96.8
					ES PCB-167		96.2
Mono-CBs	ND	2.8			ES PCB-169		93.7
Di-CBs	ND	38.5			ES PCB-170		-
Tri-CBs	27.8		50.1		ES PCB-180		-
Tetra-CBs	177		194		ES PCB-188		72.7
Penta-CBs	295		314		ES PCB-189		90.1
Hexa-CBs	128		217		ES PCB-202		78.3
Hepta-CBs	37				ES PCB-205		103
Octa-CBs	ND	3.02			ES PCB-206		91.8
Nona-CBs	ND	3.21			ES PCB-208		85.5
Deca-CB	ND	2.93			ES PCB-209		86.6
					CS PCB-28		87.9
Total PCB (Mono-Deca)	665		812		CS PCB-111		87.9
					CS PCB-178		77.3

Checkcode: 417-340-WLP


SGS AP PCB 2012 Rev. 1.4

Report Created: 03-Jul-2012 15:26 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-RB-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	Jeld-Wen, Inc.		Matrix:	Aqueous		Project No.:	A4367		Date Received:	09-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	0.92 L		Sample ID:	A4367_9888_PCB_002-RJ		Date Extracted:	15_May-2012							
Date Collected:	07-May-2012		pH	7		QC Batch No.:	9888		Date Analyzed:	29-Jun-2012							
			Units	pg/L		Checkcode:	417-340-WLP		Time Analyzed:	19:24:39							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	(2.42)		PCB-19	(3.47)		PCB-54	(2.03)		PCB-72	(2.27)							
PCB-2	(2.9)		PCB-30/18	8.14	J C	PCB-50/53	[6.32]	J EMPC C	PCB-68	(2.09)							
PCB-3	(3.17)		PCB-17	[5.65]	J EMPC	PCB-45	(3)		PCB-57	(2.34)							
			PCB-27	(2.5)		PCB-51	6.18	J	PCB-58	(2.3)							
Conc.	0		PCB-24	(2.63)		PCB-46	(3.2)		PCB-67	(2.24)							
EMPC	0		PCB-16	(4.33)		PCB-52	49		PCB-63	(2.12)							
			PCB-32	[3.73]	J EMPC	PCB-73	(2.06)		PCB-61/70/74/76	32.8	J C						
Di	Conc.	Qualifiers	PCB-34	(2.59)		PCB-43	(3.08)		PCB-66	17.2							
PCB-4	(45.5)		PCB-23	(2.48)		PCB-69/49	26	C	PCB-55	(2.31)							
PCB-10	(26.4)		PCB-26/29	4.63	J C	PCB-48	(2.72)		PCB-56	3.6	J						
PCB-9	(31.4)		PCB-25	(2.46)		PCB-44/47/65	32.7	C	PCB-60	(2.31)							
PCB-7	(27)		PCB-31	9.4	J	PCB-59/62/75	(1.98)	C	PCB-80	(2.06)							
PCB-6	(29.5)		PCB-28/20	[9.21]	J EMPC C	PCB-42	[5.18]	J EMPC	PCB-79	(2.18)							
PCB-5	(29.1)		PCB-21/33	5.63	J C	PCB-41	(3.2)		PCB-78	(2.53)							
PCB-8	(27.1)		PCB-22	[3.67]	J EMPC	PCB-71/40	9.47	J C	PCB-81	(2.32)							
PCB-14	(24.6)		PCB-36	(2.52)		PCB-64	[5.38]	J EMPC	PCB-77	(2.11)							
PCB-11	(29.9)		PCB-39	(2.38)													
PCB-13/12	(28.5)	C	PCB-38	(2.72)													
PCB-15	(31.4)		PCB-35	(2.77)													
			PCB-37	(2.75)													
Conc.	0		Conc.	27.8					Conc.	177							
EMPC	0		EMPC	50.1					EMPC	194							
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC					
						Mono-Tri						27.8			50.1		
						Tetra-Hexa						600			725		
						Hepta-Deca						37			37		
						Mono-Deca						665			812		

Sample ID: JW-RB-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(3.19)		PCB-109/119/86...	36.2	J C	PCB-155	(2.13)		PCB-165	(2.81)	
PCB-96	(3.36)		PCB-117	(3.61)		PCB-152	(2.34)		PCB-146	7.2	J
PCB-103	(3.51)		PCB-116/85	[5.66]	J EMPC C	PCB-150	(2.32)		PCB-161	(2.56)	
PCB-94	(3.96)		PCB-110	66.9	B	PCB-136	6.89	J	PCB-153/168	42.6	C
PCB-95	40.3	B	PCB-115	(2.64)		PCB-145	(2.39)		PCB-141	[6.85]	J EMPC
PCB-100/93	(3.62)	C	PCB-82	(4.51)		PCB-148	(3.16)		PCB-130	(3.86)	
PCB-102	(3.66)		PCB-111	(2.81)		PCB-151/135	[15.4]	J EMPC C	PCB-137	(3.08)	
PCB-98	(3.83)		PCB-120	(2.8)		PCB-154	(2.9)		PCB-164	[3.24]	J EMPC
PCB-88	(3.79)		PCB-108/124	(3.06)	C	PCB-144	(3.2)		PCB-163/138/129	60.2	C
PCB-91	[4.53]	J EMPC	PCB-107	(3.1)		PCB-147/149	[36.9]	EMPC C	PCB-160	(2.68)	
PCB-84	[8.43]	J EMPC	PCB-123	(3.18)		PCB-134	(4.1)		PCB-158	5.94	J
PCB-89	(4.15)		PCB-106	(2.94)		PCB-143	(3.14)		PCB-128/166	[6.6]	J EMPC C
PCB-121	(2.75)		PCB-118	43.2	B	PCB-139/140	(3.07)	C	PCB-159	(2.48)	
PCB-92	9.96	J	PCB-122	(3.08)		PCB-131	(3.65)		PCB-162	(2.44)	
PCB-113/90/101	54.4	B C	PCB-114	(2.81)		PCB-142	(3.54)		PCB-167	(2.46)	
PCB-83	(4.74)		PCB-105	15.6		PCB-132	[20.7]	EMPC	PCB-156/157	4.76	J C
PCB-99	28.8		PCB-127	(3.11)		PCB-133	(3.42)		PCB-169	(3.14)	
PCB-112	(2.93)		PCB-126	(3.05)							
			Conc.	295					Conc.	128	
			EMPC	314					EMPC	217	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(3.2)		PCB-174	11.2		PCB-202	(3.62)		PCB-208	(3.06)	
PCB-179	(3.49)		PCB-177	(6.23)		PCB-201	(3.17)		PCB-207	(3.03)	
PCB-184	(3.56)		PCB-181	(5.3)		PCB-204	(3.35)		PCB-206	(3.35)	
PCB-176	(3.17)		PCB-171/173	(5.97)	C	PCB-197	(3.23)				
PCB-186	(3.41)		PCB-172	(4.67)		PCB-200	(3.18)		Conc.	0	
PCB-178	(4.69)		PCB-192	(3.63)		PCB-198/199	(4.47)	C	EMPC	0	
PCB-175	(5.41)		PCB-180/193	13.5	J C	PCB-196	(4.25)				
PCB-187	12.2		PCB-191	(3.48)		PCB-203	(4.03)		Deca	Conc.	Qualifiers
PCB-182	(5.17)		PCB-170	(4.43)		PCB-195	(3.84)		PCB-209	(2.93)	
PCB-183	(4.59)		PCB-190	(3.41)		PCB-194	(3.57)				
PCB-185	(5.81)		PCB-189	(2.11)		PCB-205	(2.43)				
			Conc.	37		Conc.	0				
			EMPC	37		EMPC	0				

Analytical Method: 8290 (1613) 8280
 (1668A) DLM Other:

QC Date	Prev. WG	QC Batch*	Prev. WG	Workgroup*	Logbook#	Page#	Page#
15-May-12	N/A	N/A	N/A	WG	19	1563	1564/1565

(PCB) (DX)
 1595 | 1596

Sample Identification			Extraction by Modified Method 3520C (Continuous Liquid/Liquid Extraction) Pre-Sox?					Extract Cleanup (Gravity Acid Silica/Florisil)				Injection Prep.								
Client Sample ID	SGS Sample ID* DX	Sample Matrix	Sample Weight*	Sample pH	ES Amt.* 1613_(µL)_1668		MX Amt. 1613_(µL)_1668	CS Amt. 1613_(µL)_1668		Cleanup Analyst	Step	mL	Solvent	Complete	JS Amt.* 1613_(µL)_1668					
MB for HBN 23683 [HXX/1595]	71970 71972	Water	1000	8	40	40	-	40	40	JHL	Rinse Column with DCM				20	20				
OPR for HBN 23683 [HXX/1595]	71971 71973	Water	1000	8	40	40	40 50	40	40	JHL	1	10/10 ✓	DCM	KL	20	20				
SG-RB-20120423	31201247006	Water	897	7	40	40	-	40	40	JHL	Flush Column with Hexane				20	20				
SS01 Effluent	31201377001	Water	866	7	N/A	40	-	N/A	40	JHL	2	10/10 ✓	Hexane	KL	N/A	20				
JW-RB-120507	31201450020	Water	920	7	40	40	-	40	40	JHL	Position PCB Collection Vial				20	20				
JW-FB-120507	31201450022	Water	1055	7	N/A	40	-	N/A	40	JHL	Load Sample with Hexane				N/A	20				
R-1 Culvert #002 Yard	31201472001	Water	904	7	N/A	40	-	N/A	40	JHL	Elute Sample with Hexane				N/A	20				
NC007SW-A-20120506	31201401001	Water	974	7	40	40	-	40	40	JHL	3	10/10 ✓	Hexane	KL	20	20				
NC1007SW-C-20120506	31201401002	Water	982	7	40	40	-	40	40	JHL	Elute Sample with 5% DCM/Hexane				20	20				
NC007SW-C-20120506	31201401003	Water	978	7	40	40	-	40	40	JHL	3	20/10 ✓	DCM	KL	20	20				
SG-RB4-20120504	31201383006	Water	926	7	40	40	-	40	40	JHL	Position Dioxin Collection Vial				20	20				
NC070SW-A-20120509	31201470001	Water	954	7	40	40	-	40	40	JHL	Elute Sample with DCM				20	20				
NC070SW-C-20120509	31201470002	Water	973	7	40	40	-	40	40	JHL	3	20/20/15 ✓	DCM	KL	20	20				
NC079SW-A-20120509	31201470003	Water	981	7	40	40	-	40	40	JHL	Cleanup Date: 5/18/12				20	20				
NC079SW-C-20120509	31201470004	Water	980	7	40	40	-	40	40	JHL									20	20
NC046SW-A-20120510	31201470005	Water	959	7	40	40	-	40	40	JHL									20	20
NC046SW-C-20120510	31201470006	Water	934	7	40	40	-	40	40	JHL									20	20
-	-	-	-	-	-	-	-	-	-	-					20	20				
-	-	-	-	-	-	-	-	-	-	-					20	20				
-	-	-	-	-	-	-	-	-	-	-					20	N/A				
-	-	-	-	-	-	-	-	-	-	-					20	N/A				

Dioxin Standards	Lot #	Conc. (ng/uL)	Analyst	Witness	Items	Lot #
Extraction Std.	540-30A	0.05	JHL	JHL	Toluene	STL1-1
Matrix Spike	540-31	0.005	JHL	JHL	Tetradecane	N/A
Cleanup Std.	540-26	0.01	JHL	N/A	MeCl	STL1-19
Injection Std.	540-37	0.10	JHL	N/A	Salt	
PCB Standards					Hexane	STL1-17
Extraction Std.	539-241B	0.05	JHL	JHL	Acid Silica	SPL3-24
Matrix Spike	540-28A	0.01	JHL	JHL	Base Silica	SPL3-23
Cleanup Std.	540-33	0.05	JHL	N/A	Silica	SPL3-16J
Injection Std.	539-23L	0.10	JHL	JHL	Florisil	SPL3-16M

Balance Reference: WB1 SB1

Extraction Start: 5/15/12 18:00

Extraction Finish: 5/14/12 10:00

Comments: KL 5/24/12



A4373 = AP_SGS project number

Anchor QEA 21 of 454
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

= samples in this project

Chain of Custody Record & Laboratory Analysis Request

TV 5_Jul 2012

Turnaround Requested:

Anchor Contact:

Page 1 of 4

Lab Contact: Amy Boehm		Project: Jeld Wen		Analyses Requested								Notes/ Comments:
Lab: SGS		Surface Sediment		Archive for D/F & PCB	Archive	D/F & PCB						
Address: 5500 Business Drive		Proj. No.: 120909-01-01										
City, etc.: Wilmington NC 28405		Sampler: KC/NS										
Phone: (910) 350-1903		Shipping Method: Overnight										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-EAS8-SS29-120S	5/7/12	11:00	Sed	1	X							
JW-EAS8-SS30-120S	5/7/12	11:10	Sed	1		X						
JW-EAS8-SS31-120S	5/7/12	11:15	Sed	1		X						
JW-EAS8-SS32-120S	5/7/12	12:25	Sed	1		X						
JW-EAS8-WMP-120S	5/7/12	14:26	Sed	1			X					
JW-EA08-SS29-120S	5/7/12	11:00	Sed	1		X						
JW-EA08-SS30-120S	5/7/12	11:10	Sed	1		X						
JW-EA08-SS31-120S	5/7/12	11:15	Sed	1		X						
JW-EA08-SS32-120S	5/7/12	12:25	Sed	1		X						
JW-EA08-WMP-120S	5/7/12	15:28	Sed	1			X					
JW-EA06-SS22-120S	5/7/12	11:17	Sed	1		X						
JW-EA06-SS22-120S	5/7/12	11:12	Sed	1		X						
JW-EA06-SS23-120S	5/7/12	11:30	Sed	1		X						
JW-EA06-SS24-120S	5/7/12	11:40	Sed	1		X						
JW-EA06-WMP-120S	5/7/12	16:00	Sed	1			X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Julie Johnson</i>	Received By:	Received By:	# of Coolers: 2	Cooler 3, Temp(s): 3.2°C
Printed Name: Julie Johnson	Printed Name:	Printed Name:		
Company: SGS	Company:	Company:	COC Seals Intact? NA	Bottles Intact?
Date/Time: 5/9/12 1015	Date/Time:	Date/Time:		

no seals



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA 22 of 454
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 2 of 4

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jed Wen</i>		Analyses Requested								Notes/ Comments:
Lab: <i>SGS</i>		Surface Sediment		PCB	Arochlor	Dioxin	D/F PCB					
Address: <i>5500 Business Drive</i>		Proj. No.: <i>120909-01.01</i>										
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>KL/NS</i>										
Phone: <i>910.350.1903</i>		Shipping Method: <i>Overnight</i>										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-EA10-SS39-1205	5/7/12	10:25	Sed	2	X	X						
JW-EA10-SS43-1205	5/7/12	12:20	Sed	2	X	X						
JW-EA10-SS41-1205	5/7/12	12:44	Sed	2	X	X						
JW-EA10-SS42-1205	5/7/12	09:03	Sed	2	X	X						
JW-EA10-SS40-1205	5/7/12	12:34	Sed	2	X	X						
JW-EA10-SS90-1205	5/7/12	12:34	Sed	1	X							
JW-EA10-COMP-1205	5/7/12	16:14	Sed	1		X						
JW-EA07-SS28-1205	5/7/12	12:00	Sed	1		X						
JW-EA07-SS25-1205	5/7/12	11:44	Sed	1		X						
JW-EA07-SS27-1205	5/7/12	12:14	Sed	1		X						
JW-EA07-SS26-1205	5/7/12	11:50	Sed	1		X						
JW-EA07-COMP-1205	5/7/12	16:33	Sed	1	X		X					<i>JB</i> <i>5/15/12</i>
JW-EA03-SS12-1205	5/7/12	13:00	Sed	1		X						
JW-EA03-SS11-1205	5/7/12	14:00	Sed	1		X						
JW-EA03-COMP-1205	5/7/12	16:53	Sed	1			X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Jolie Johnson</i>	Received By:	Received By:		
Printed Name: <i>Jolie Johnson</i>	Printed Name:	Printed Name:		
Company: <i>SGS</i>	Company:	Company:	# of Coolers: <i>2</i>	Cooler <i>3.6</i> Temp(s): <i>3.00</i>
Date/Time: <i>5/9/12 1015</i>	Date/Time:	Date/Time:	COC Seals Intact? <i>MA</i>	Bottles Intact?

no leads



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA 23 of 454
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 3 of 4

Lab Contact: Amy Boehm		Project: Jeld Wen		Analyses Requested							Notes/ Comments:
Lab: SGS		Surface Sediment		Archive for D/F 3 PCB	Archive	D/F 4 PCB	DIOXINS	D/F			
Address: 5500 Business Drive		Proj. No.: 120909-0101									
City, etc.: Wilmington NC 28405		Sampler: KCONS									
Phone: 910-350-1903		Shipping Method: Overnight									
Fax:		AirBill #:									
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers							
JW-EA03-SS10-1205	5/7/12	13:30	Sed	1	X						
JW-EA03-SS09-1205	5/7/12	13:45	Sed	1		X					
JW-EA02-SS05-1205	5/7/12	15:05	Sed	1		X					
JW-EA02-SS06-1205	5/7/12	14:56	Sed	1		X					
JW-EA02-SS08-1205	5/7/12	14:47	Sed	1		X					
JW-EA02-SS07-1205	5/7/12	14:47	Sed	1		X					
JW-EA02-Comp-1205	5/7/12	17:10	Sed	1			X				
JW-EA04-SS13-1205	5/7/12	12:55	Sed	1		X					
JW-EA04-SS16-1205	5/7/12	12:40	Sed	1		X					
JW-EA04-SS14-1205	5/7/12	12:50	Sed	1		X					
JW-EA04-SS15-1205	5/7/12	12:30	Sed	1		X					
JW-EA04-Comp-1205	5/7/12	17:25	Sed	1			X				
JW-EA01-SS04-1205	5/7/12	15:00	Sed	2		X		X			
JW-EA01-SS01-1205	5/7/12	15:22	Sed	2		X		X	X		
JW-EA01-SS02-1205	5/7/12	15:15	Sed	2		X			X		

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:		
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:	# of Coolers:	Cooler Temp(s):
			2	3.1, 3.20
			COC Seals Intact?	Bottles Intact?
			NA	

No Seals



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

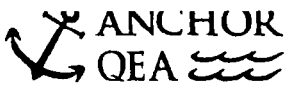
Turnaround Requested:

Anchor Contact:

Page 4 of 4

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>		Analyses Requested							Notes/ Comments:
Lab: <i>SGS</i>		Surface Sediment		Archive	Dioxins	D/F	PCBs	D/F & PCBs			
Address: <i>5500 Business Drive</i>		Proj. No.: <i>120909-01-01</i>									
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>KC/NS</i>									
Phone: <i>910.350.7903</i>		Shipping Method: <i>overnight</i>									
Fax:		AirBill #:									
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers							
<i>JW-EA01-SS03-1205</i>	<i>5/7/12</i>	<i>15:10</i>	<i>Sed</i>	<i>2</i>	<i>X</i>	<i>X</i>					
<i>JW-EA01-SS51-1205</i>	<i>5/7/12</i>	<i>15:22</i>	<i>Sed</i>	<i>1</i>			<i>X</i>				
<i>JW-EA01-COMP</i>	<i>1205 5/7/12</i>	<i>17:39</i>	<i>Sed</i>	<i>1</i>			<i>X</i>				
<i>JW-EA09-SS34</i>	<i>1205 5/7/12</i>	<i>14:11</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS37</i>	<i>1205 5/7/12</i>	<i>13:46</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS35</i>	<i>1205 5/7/12</i>	<i>13:36</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS38</i>	<i>1205 5/7/12</i>	<i>13:50</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS33</i>	<i>1205 5/7/12</i>	<i>13:24</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS36</i>	<i>1205 5/7/12</i>	<i>14:01</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-RB-1205</i>	<i>5/7/12</i>	<i>17:58</i>	<i>Sed</i>	<i>2</i>		<i>X</i>	<i>X</i>				
<i>JW-EA09-COMP-1205</i>	<i>5/7/12</i>	<i>18:03</i>	<i>Sed</i>	<i>1</i>			<i>X</i>	<i>X</i>			
<i>JW-FB-1205</i>	<i>5/7/12</i>	<i>19:00</i>		<i>1</i>			<i>X</i>				

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:	<i>Signature from JW-EA01-COMP-1205</i>	
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Julie Johnson</i>	Received By:	Received By:		
Printed Name: <i>Julie Johnson</i>	Printed Name:	Printed Name:	# of Coolers:	Cooler <i>3, 1, 3, 2</i>
Company: <i>SGS</i>	Company:	Company:	COC Seals Intact? <i>NA</i>	Bottles Intact?
Date/Time: <i>5/4/12 1015</i>	Date/Time:	Date/Time:	<i>No Seals</i>	



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1250 of 454
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact: Nathan Succovsky Page 1 of 1

Lab Contact: <u>Amy Boehm</u>		Project: <u>Jeld Wen</u>		Analyses Requested							Notes/ Comments:
Lab: <u>SGS</u>		Surface Sediment		Archive	D/F PCB	PUB/D/F/PAHS					
Address: <u>5500 Business Drive</u>		Proj. No.: <u>120909-01.01</u>									
City, etc.: <u>Wilmington NC 28405</u>		Sampler: <u>NS/KC</u>									
Phone: <u>910-350-1903</u>		Shipping Method: <u>Overnight</u>									
Fax:		AirBill #:									
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers							
<u>JW-UR-TISSUE-120508</u>	<u>5/8/12</u>	<u>11:00</u>	<u>TISSUE</u>	<u>3</u>							
<u>JW-DET TISSUE-120508</u>	<u>5/8/12</u>	<u>11:30</u>	<u>TISSUE</u>	<u>2</u>							
<u>JW-UR TISSUE-120508</u>	<u>5/8/12</u>	<u>12:30</u>	<u>TISSUE</u>	<u>5</u>							
<u>JW-EA05-SS19-1205</u>	<u>5/9/12</u>	<u>11:32</u>	<u>Sed</u>	<u>1</u>	<u>X</u>						
<u>JW-EA05-SS20-1205</u>	<u>5/9/12</u>	<u>11:55</u>	<u>Sed</u>	<u>1</u>	<u>X</u>						
<u>JW-EA05-SS18-1205</u>	<u>5/9/12</u>	<u>10:55</u>	<u>Sed</u>	<u>1</u>	<u>X</u>						
<u>JW-EA05-SS17-1205</u>	<u>5/9/12</u>	<u>10:10</u>	<u>Sed</u>	<u>1</u>	<u>X</u>						
<u>JW-EA05-SS17 COMP-1205</u>	<u>5/9/12</u>	<u>14:14</u>	<u>Sed</u>	<u>1</u>		<u>X</u>					

@ 11°C

D/C. Proceed begin

Relinquished: (Signature) <u>C Fields</u>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: <u>Cindy Fields</u>	Printed Name:	Printed Name:		
Company: <u>Anchor QEA</u>	Company:	Company:		
Date/Time: <u>5/10/12 10:37am</u>	Date/Time:	Date/Time:		
Received By: <u>Johanna</u>	Received By:	Received By:		
Printed Name: <u>Johanna</u>	Printed Name:	Printed Name:		
Company: <u>SGS Analytical Business</u>	Company:	Company:	# of Coolers: <u>2</u>	Cooler Temp(s): <u>5°C</u>
Date/Time: <u>5/11/12 1300</u>	Date/Time:	Date/Time:	COC Seals Intact? <u>Yes</u>	Bottles Intact? <u>Yes</u>

11.1°C

No Seals

31226 (04/454)



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 1 of 2

Lab Contact: Amy Boehm		Project: Jeld Wen Surface Sediment			Analyses Requested							Notes/ Comments:	
Lab: SGS		Proj. No.: 120909-01.01			Archive	D/F & PCB							
Address: 5500 Business Drive		Sampler: NS/KC											
City, etc: Wilmington NC 28405		Shipping Method: Overnight											
Phone: 910 350-1903		AirBill #:											
Fax:													
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Archive	D/F & PCB							
JW-UR-SS47-1205	5/8/12	11:34	Sed	1	X								
JW-UR-SS46-1205	5/8/12	11:26	Sed	1	X								
JW-UR-SS45-1205	5/8/12	11:11	Sed	1	X								
JW-UR-SS44-1205	5/8/12	10:57	Sed	1	X								
JW-UR-COMP-1205	5/8/12	14:12	Sed	1		X							
JW-DR-SS48-1205	5/8/12	10:16	Sed	1	X								
JW-DR-SS49-1205	5/8/12	11:20	Sed	1	X								
JW-DR-SS50-1205	5/8/12	11:40	Sed	1	X								
JW-DR-SS51-1205	5/8/12	11:50	Sed	1	X								
JW-DR-COMP-1205	5/8/12	14:32	Sed	1		X							
JW-RG-SS52-1205	5/8/12	12:05	Sed	1	X								
JW-RG-SS55-1205	5/8/12	12:21	Sed	1	X								
JW-RG-SS53-1205	5/8/12	12:10	Sed	1	X								
JW-RG-SS54-1205	5/8/12	12:22	Sed	1	X								
JW-RG-COMP-1205	5/8/12	17:28	Sed	1		X							

Relinquished: (Signature) <i>C. Fields</i>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: Cindy Fields	Printed Name:	Printed Name:		
Company: Anchor QEA	Company:	Company:		
Date/Time: 5/9/12 11:30am	Date/Time:	Date/Time:		
Received By:	Received By:	Received By: <i>[Signature]</i>	# of Coolers: 1 Cooler Temp(s): 1.3 COC Seals Intact? n/a Bottles Intact? P	
Printed Name:	Printed Name:	Printed Name: Amy Boehm		
Company:	Company:	Company: SGS		
Date/Time:	Date/Time:	Date/Time: 5/11/12-0915		

1015

37626450



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 2 of 2

Lab Contact: <u>Amy Boehm</u>		Project: <u>Jeld Wen</u>			Analyses Requested							Notes/ Comments:		
Lab: <u>SGS</u>		<u>Bed Surface Sediment</u>			PCB/DIF/PAHs									
Address: <u>5800 Business Drive</u>		Proj. No.: <u>120909-01.01</u>												
City, etc: <u>Wilmington NC 28405</u>		Sampler: <u>NS/KC</u>												
Phone: <u>910 350-1903</u>		Shipping Method: <u>Overnight</u>												
Fax:		AirBill #:												
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers										
<u>JW-EA10-Tissue</u>	<u>5/11/12 12:00</u>	<u>12:00</u>	<u>Tissue</u>	<u>3</u>	<u>X</u>	<u>Adapt</u>								
<u>JW-EA01-Tissue</u>	<u>5/11/12 12:00</u>	<u>12:00</u>	<u>Tissue</u>	<u>5</u>	<u>X</u>	<u>Recovery</u>								

Relinquished: (Signature) <u>[Signature]</u>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes
Printed Name: <u>Cindy Fields</u>	Printed Name:	Printed Name:	
Company: <u>Anchor QEA</u>	Company:	Company:	
Date/Time: <u>5/9/12 11:30am</u>	Date/Time:	Date/Time:	
Received By:	Received By:	Received By:	
Printed Name:	Printed Name:	Printed Name: <u>Amy Boehm</u>	
Company:	Company:	Company: <u>SGS</u>	# of Coolers: <u>1</u>
Date/Time:	Date/Time:	Date/Time: <u>5/11/12 10:15</u>	Cooler Temp(s): <u>1.3°C</u>
			COC Seals Intact? <u>Y</u>
			Bottles Intact? <u>Y</u>

Analytical Perspectives — Run Log

Project: A4367_9888_PCB

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
3	120629S03	15	CS3_120629_PCB_SB	1.00	M1668-RETCON S40-51	LKB	700-838	29-Jun-2012	12:43:15
4	120629S06	10	OPR1_9888_PCB-RJ	1.00	OPR #71971	LKB	702-147	29-Jun-2012	13:36:22
6	120629S08	3	SBS_120629_PCB_SB	1.00	SIL9-41-1	LKB	725-464	29-Jun-2012	15:26:17
7	120629S09	11 ✓	MB1_9888_PCB_TLX	1.00	MB #71970	LKB	760-674	29-Jun-2012	16:41:37
9	120629S11	12	A4367_9888_PCB_001-RJ	1.06	JW-FB-120507	LKB	605-161	29-Jun-2012	18:29:41
10	120629S12	13 ✓	A4367_9888_PCB_002-RJ	0.92	JW-RB-120507	LKB	417-340	29-Jun-2012	19:24:39



= manual calculation

REVIEWED*By Laura Boivin at 3:43 pm, Jul 03, 2012***REVIEWED***By Todd Vilen at 7:49 am, Jul 06, 2012*

Lab ID: MB1_9888_PCB_TLX

ACQ: 29-Jun-2012 16:41:37 LKB Wt/Vol: 1.00 L

ICAL: MM4_PCB_01102012_26JAN12 CS3_120629_PCB_SB

Client ID: MB #71970

UTP: 03-Jul-2012 12:53 LKB

J-level: 10 pg/L Split: 1

Checkcode: 760-674-PZJ

Datafile: 120629S09

RPT: 03-Jul-2012 14:56 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00	1.22		ND	8.84E+02	3.26
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00	1.24		ND	8.84E+02	3.14
PCB-105 233'44'-PeCB	NotFnd		1.0007	-		0.00E+00	1.03		ND	8.99E+02	4.58
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00	1.10		ND	8.99E+02	4.33
PCB-118 23'44'5'-PeCB	31.21	J EMPC	1.0008	1.0006	-0.4	1.27E+04	0.39	1.03	5.73	8.99E+02	4.18
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00	0.93		ND	8.99E+02	5.12
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00	1.11		ND	1.17E+03	4.46
PCB-156/157 ...-HxCB	NotFnd	C	1.0005	-		0.00E+00	1.05		ND	5.82E+02	3.57
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00	1.08		ND	5.82E+02	2.78
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00	1.04		ND	5.82E+02	3.21
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00	1.11		ND	7.04E+02	2.78
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00	1.05		ND	4.74E+02	3.77
ES PCB-1	9.83		0.7181	0.7172	-0.5	2.87E+06	3.33	1.01	49.1 %	4%	100%
ES PCB-3	11.76		0.8583	0.8582	-0.1	2.90E+06	3.30	1.05	47.8 %	11%	106%
ES PCB-4	11.96		0.8732	0.8728	-0.3	1.78E+06	1.67	0.70	44.2 %	14%	107%
ES PCB-15	17.08		1.2453	1.2460	+0.7	3.59E+06	1.60	1.17	53.1 %	19%	107%
ES PCB-19	14.66		1.0698	1.0698	0	1.79E+06	0.98	0.57	54.6 %	1%	108%
ES PCB-37	23.05		1.0865	1.0870	+0.7	3.46E+06	1.14	1.41	78 %	25%	123%
ES PCB-54	17.30		0.8157	0.8158	+0.1	2.42E+06	0.77	1.32	58.4 %	13%	105%
ES PCB-77	29.23	V	1.3777	1.3781	+0.7	4.79E+06	0.77	1.22	125 %	31%	109%
ES PCB-81	28.76	V	1.3557	1.3559	+0.3	4.83E+06	0.89	1.15	134 %	14%	127%
ES PCB-104	22.01		0.8147	0.8147	0	2.45E+06	1.69	1.69	40.6 %	36%	115%
ES PCB-105	32.16		1.1906	1.1907	+0.2	4.08E+06	1.50	1.21	94.5 %	50%	111%
ES PCB-114	31.63		1.1709	1.1710	+0.2	3.86E+06	1.46	1.23	87.6 %	41%	121%
ES PCB-118	31.19		1.1547	1.1547	0	4.29E+06	1.66	1.25	96.2 %	49%	111%
ES PCB-123	30.92		1.1444	1.1445	+0.2	4.10E+06	1.66	1.33	86.3 %	49%	116%
ES PCB-126	34.78	V	1.2871	1.2874	+0.6	5.23E+06	1.72	1.36	108 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.84		0.7939	0.7938	-0.2	3.48E+06	1.23	1.40	67.2 %	25%	124%
ES PCB-156/157	37.31		1.1035	1.1036	+0.2	8.37E+06	1.29	1.13	100 %	40%	120%
ES PCB-167	36.35		1.0753	1.0753	0	3.99E+06	1.27	1.13	95.5 %	45%	118%
ES PCB-169	40.04		1.1842	1.1844	+0.5	3.93E+06	1.29	1.14	93.2 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.64		0.7204	0.7202	-0.4	3.64E+06	1.07	1.34	73.6 %	23%	125%
ES PCB-189	42.16		0.9598	0.9598	0	5.13E+06	1.06	1.77	90.4 %	47%	116%
ES PCB-202	36.15		0.8230	0.8229	-0.2	3.88E+06	0.90	1.27	82.6 %	31%	134%
ES PCB-205	44.33		1.0090	1.0090	0	4.19E+06	0.86	1.25	104 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.80		1.0424	1.0424	0	3.30E+06	0.76	1.07	96.2 %	38%	122%
ES PCB-208	41.76		0.9508	0.9507	-0.3	3.66E+06	0.81	1.34	85.1 %	31%	126%
ES PCB-209	47.15		1.0732	1.0733	+0.3	3.77E+06	1.19	1.18	99.1 %	43%	115%
CS/SS PCB-28	19.66		0.9269	0.9272	+0.4	3.69E+06	1.12	0.98	109 %	14%	131%
CS/SS PCB-111	29.29		1.0843	1.0843	0	4.09E+06	1.67	0.90	111 %	57%	112%
CS/SS PCB-178	34.20		1.0118	1.0117	-0.2	2.72E+06	1.14	0.65	115 %	57%	125%
CS PCB-28	19.66		0.9269	0.9272	+0.4	3.69E+06	1.12	1.39	85 %	14%	131%
CS PCB-111	29.29		1.0843	1.0843	0	4.09E+06	1.67	1.19	95.9 %	57%	112%
CS PCB-178	34.20		1.0118	1.0117	-0.2	2.72E+06	1.14	0.87	84.9 %	57%	125%
JS PCB-9	13.71					5.77E+06	1.63				
JS PCB-52	21.21					3.14E+06	0.78				
JS PCB-101	27.01					3.58E+06	1.55				
JS PCB-138	33.81					3.69E+06	1.21				
JS PCB-194	43.93					3.21E+06	0.91				
						Totals	NON-EMPC	EMPC	DL		
						Mono-CBs	0	0	8.24		
						Di-CBs	0	0	123		
						Tri-CBs	0	0	9.29		
						Tetra-CBs	0	0	4.24		
						Penta-CBs	18.6	37.3	5.05		
						Hexa-CBs	0	0	3.41		
						Hepta-CBs	0	0	3.18		
						Octa-CBs	0	0	2.8		
						Nona-CBs	0	0	4.03		
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00	1.20		ND	2.35E+03	6.97
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00	1.24		ND	2.35E+03	8.68
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00	1.13		ND	2.35E+03	9.5
PCB-4 22'-DiCB	NotFnd		1.0012	-		0.00E+00	0.94		ND	2.13E+04	154
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00	1.63		ND	2.13E+04	89.5
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00	1.00		ND	1.87E+04	92.3
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00	1.17		ND	1.87E+04	79.1
PCB-6 23'-DiCB	NotFnd		1.0261	-		0.00E+00	1.07		ND	1.87E+04	86.6
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00	1.08		ND	1.87E+04	85.5
PCB-8 24'-DiCB	NotFnd		1.0533	-		0.00E+00	1.17		ND	1.87E+04	79.4
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00	1.28		ND	1.87E+04	72.2
PCB-11 33'-DiCB	NotFnd		0.9701	-		0.00E+00	1.06		ND	1.87E+04	87.8
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00	1.11		ND	1.87E+04	83.7
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00	1.01		ND	1.87E+04	92.1

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00	1.01		ND	1.50E+03	11.8
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1110	-		0.00E+00	1.24		ND	1.50E+03	9.66
PCB-17 22'4-TrCB	NotFnd		1.1357	-		0.00E+00	1.03		ND	1.50E+03	11.6
PCB-27 23'6-TrCB	NotFnd		1.1479	-		0.00E+00	1.40		ND	1.50E+03	8.55
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00	1.34		ND	1.50E+03	8.97
PCB-16 22'3-TrCB	NotFnd		1.1612	-		0.00E+00	0.81		ND	1.50E+03	14.8
PCB-32 24'6-TrCB	NotFnd		1.1923	-		0.00E+00	1.49		ND	1.50E+03	8.02
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00	1.27		ND	1.45E+03	6.35
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00	1.33		ND	1.45E+03	6.08
PCB-26/29 23'5/245-TrCB	NotFnd	C	0.8236	-		0.00E+00	1.34		ND	1.45E+03	6.03
PCB-25 23'4-TrCB	NotFnd		0.8315	-		0.00E+00	1.34		ND	1.45E+03	6.02
PCB-31 24'5-TrCB	NotFnd		0.8430	-		0.00E+00	1.38		ND	1.45E+03	5.84
PCB-28/20 244'/233'-TrCB	NotFnd	C	0.8542	-		0.00E+00	1.32		ND	1.45E+03	6.1
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8612	-		0.00E+00	1.36		ND	1.45E+03	5.94
PCB-22 234'-TrCB	NotFnd		0.8766	-		0.00E+00	1.23		ND	1.45E+03	6.55
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00	1.31		ND	1.45E+03	6.17
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00	1.39		ND	1.45E+03	5.82
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00	1.21		ND	1.45E+03	6.67
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00	1.19		ND	1.45E+03	6.78
PCB-37 344'-TrCB	NotFnd		1.0008	-		0.00E+00	1.20		ND	1.45E+03	6.73
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00	0.93		ND	7.40E+02	5.33
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9051	-		0.00E+00	0.76		ND	7.75E+02	4.52
PCB-45 22'36-TeCB	NotFnd		0.9304	-		0.00E+00	0.65		ND	7.75E+02	5.29
PCB-51 22'46'-TeCB	NotFnd		0.9340	-		0.00E+00	0.76		ND	7.75E+02	4.52
PCB-46 22'36'-TeCB	NotFnd		0.9429	-		0.00E+00	0.61		ND	7.75E+02	5.64
PCB-52 22'55'-TeCB	NotFnd		1.0010	-		0.00E+00	0.69		ND	7.75E+02	4.93
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00	0.94		ND	7.75E+02	3.64
PCB-43 22'35-TeCB	NotFnd		1.0106	-		0.00E+00	0.63		ND	7.75E+02	5.43
PCB-69/49 23'46/22'45'-TeCB	NotFnd	C	1.0198	-		0.00E+00	0.88		ND	7.75E+02	3.88
PCB-48 22'45-TeCB	NotFnd		1.0319	-		0.00E+00	0.71		ND	7.75E+02	4.8
PCB-44/47/65 ...-TeCB	NotFnd	C	1.0416	-		0.00E+00	0.77		ND	7.75E+02	4.45
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0541	-		0.00E+00	0.98		ND	7.75E+02	3.49
PCB-42 22'34'-TeCB	NotFnd		1.0612	-		0.00E+00	0.68		ND	7.75E+02	5
PCB-41 22'34-TeCB	NotFnd		1.0759	-		0.00E+00	0.61		ND	7.75E+02	5.64
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0806	-		0.00E+00	0.74		ND	7.75E+02	4.61
PCB-64 234'6-TeCB	NotFnd		1.0899	-		0.00E+00	1.03		ND	7.75E+02	3.32
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00	1.27		ND	8.84E+02	3.07
PCB-68 23'45'-TeCB	NotFnd		0.8379	-		0.00E+00	1.38		ND	8.84E+02	2.83
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00	1.23		ND	8.84E+02	3.17
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00	1.25		ND	8.84E+02	3.12
PCB-67 23'45-TeCB	NotFnd		0.8620	-		0.00E+00	1.28		ND	8.84E+02	3.04
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00	1.36		ND	8.84E+02	2.87
PCB-61/70/74/76 ...-TeCB	NotFnd	C	0.8792	-		0.00E+00	1.28		ND	8.84E+02	3.06
PCB-66 23'44'-TeCB	NotFnd		0.8888	-		0.00E+00	1.18		ND	8.84E+02	3.32
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00	1.25		ND	8.84E+02	3.13

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9080	-		0.00E+00		1.17	ND	8.84E+02	3.34
PCB-60 2344'-TeCB	NotFnd		0.9144	-		0.00E+00		1.25	ND	8.84E+02	3.13
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.40	ND	8.84E+02	2.79
PCB-79 33'45'-TeCB	NotFnd		0.9718	-		0.00E+00		1.32	ND	8.84E+02	2.95
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.14	ND	8.84E+02	3.43
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	9.74E+02	7.62
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.87	ND	9.74E+02	8.03
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.84	ND	8.99E+02	5.65
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.74	ND	8.99E+02	6.37
PCB-95 22'35'6'-PeCB	24.53	J	0.9082	0.9082	0	1.40E+04	0.67	0.76	8.94	8.99E+02	6.19
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.81	ND	8.99E+02	5.84
PCB-102 22'456'-PeCB	NotFnd		0.9198	-		0.00E+00		0.80	ND	8.99E+02	5.9
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.77	ND	8.99E+02	6.17
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.78	ND	8.99E+02	6.1
PCB-91 22'34'6'-PeCB	NotFnd		0.9352	-		0.00E+00		0.83	ND	8.99E+02	5.71
PCB-84 22'33'6'-PeCB	NotFnd		0.9416	-		0.00E+00		0.68	ND	8.99E+02	6.96
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.71	ND	8.99E+02	6.68
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.07	ND	8.99E+02	4.43
PCB-92 22'355'-PeCB	NotFnd		0.9825	-		0.00E+00		0.75	ND	8.99E+02	6.29
PCB-113/90/101 ...-PeCB	27.03	J C	0.9999	1.0008	+1.5	1.72E+04	0.66	0.87	9.63	8.99E+02	5.42
PCB-83 22'33'5'-PeCB	NotFnd		1.0150	-		0.00E+00		0.62	ND	8.99E+02	7.64
PCB-99 22'44'5'-PeCB	NotFnd		1.0190	-		0.00E+00		0.82	ND	8.99E+02	5.74
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.00	ND	8.99E+02	4.71
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0347	-		0.00E+00		0.89	ND	8.99E+02	5.3
PCB-117 234'56'-PeCB	NotFnd		1.0539	-		0.00E+00		0.81	ND	8.99E+02	5.81
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0566	-		0.00E+00		0.97	ND	8.99E+02	4.88
PCB-110 233'4'6'-PeCB	28.68	EMPC	1.0615	1.0616	+0.2	2.37E+04	0.47	0.89	13	8.99E+02	5.32
PCB-115 2344'6'-PeCB	NotFnd		1.0644	-		0.00E+00		1.12	ND	8.99E+02	4.24
PCB-82 22'33'4'-PeCB	NotFnd		1.0711	-		0.00E+00		0.65	ND	8.99E+02	7.26
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.04	ND	8.99E+02	4.53
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.05	ND	8.99E+02	4.5
PCB-107/124 ...-PeCB	NotFnd	C	0.9909	-		0.00E+00		0.96	ND	8.99E+02	4.93
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		0.95	ND	8.99E+02	4.99
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		1.00	ND	8.99E+02	4.74
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		1.00	ND	8.99E+02	4.74
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		1.01	ND	8.99E+02	4.66
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	8.01E+02	4.1
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.96	ND	8.01E+02	4.52
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		0.97	ND	8.01E+02	4.47
PCB-136 22'33'66'-HxCB	NotFnd		1.0216	-		0.00E+00		0.90	ND	8.01E+02	4.79
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.94	ND	8.01E+02	4.62
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.71	ND	8.01E+02	6.09
PCB-151/135 ...-HxCB	NotFnd	C	1.0986	-		0.00E+00		0.70	ND	8.01E+02	6.2
PCB-154 22'44'56'-HxCB	NotFnd		1.1067	-		0.00E+00		0.77	ND	8.01E+02	5.59
PCB-144 22'345'6'-HxCB	NotFnd		1.1158	-		0.00E+00		0.70	ND	8.01E+02	6.17

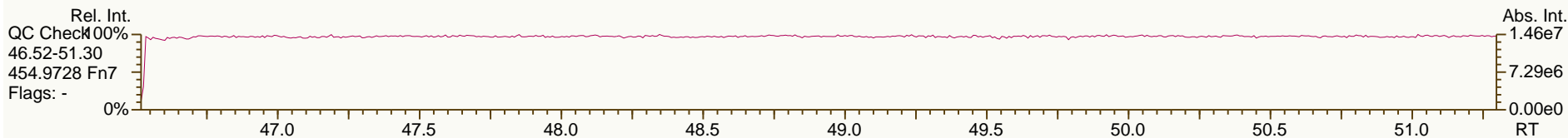
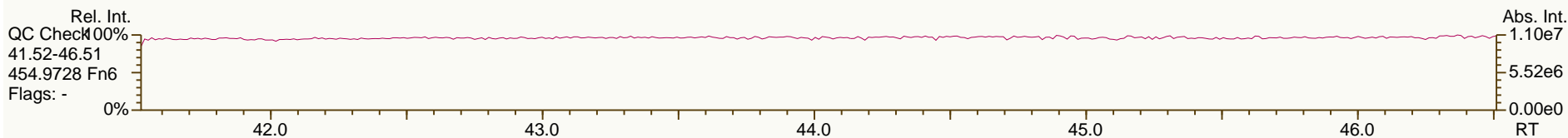
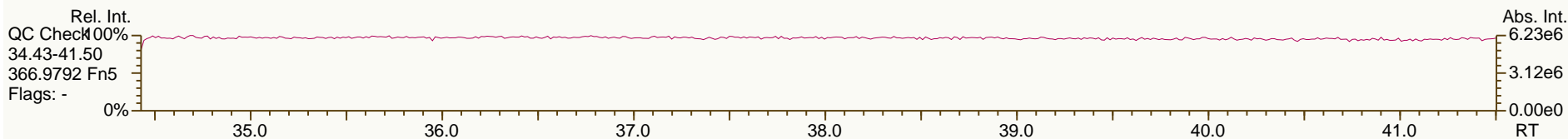
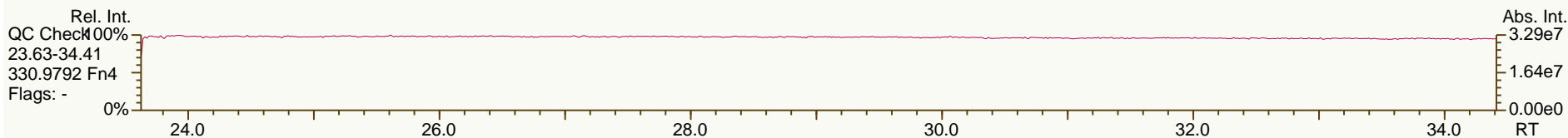
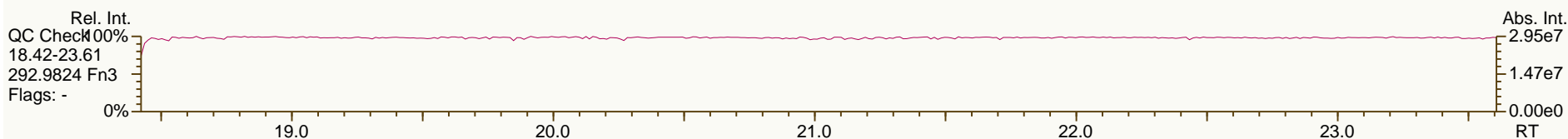
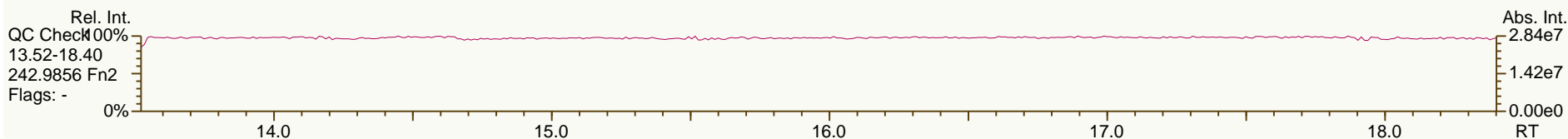
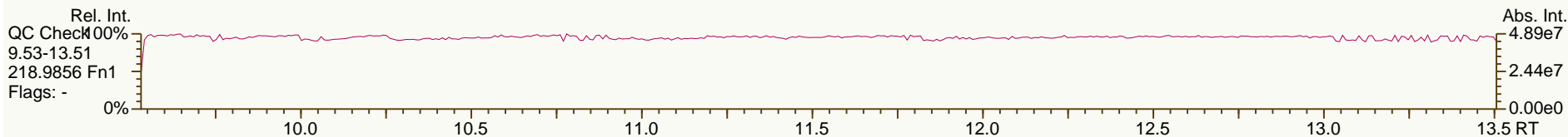
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	NotFnd	C	1.1269	-		0.00E+00	0.71	ND	8.01E+02	6.09	
PCB-134 22'33'56"-HxCB	NotFnd		1.1326	-		0.00E+00	0.55	ND	8.01E+02	7.91	
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00	0.72	ND	8.01E+02	6.05	
PCB-139/140 ...-HxCB	NotFnd	C	1.1458	-		0.00E+00	0.73	ND	8.01E+02	5.92	
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00	0.61	ND	8.01E+02	7.04	
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00	0.63	ND	8.01E+02	6.82	
PCB-132 22'33'46"-HxCB	NotFnd		1.1655	-		0.00E+00	0.64	ND	8.01E+02	6.81	
PCB-133 22'33'55"-HxCB	NotFnd		1.1826	-		0.00E+00	0.66	ND	8.01E+02	6.59	
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00	0.80	ND	8.01E+02	5.42	
PCB-146 22'34'55"-HxCB	NotFnd		0.9550	-		0.00E+00	0.71	ND	8.01E+02	6.06	
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00	0.88	ND	8.01E+02	4.94	
PCB-153/168 ...-HxCB	NotFnd	C	0.9709	-		0.00E+00	0.89	ND	8.01E+02	4.87	
PCB-141 22'34'55"-HxCB	NotFnd		0.9746	-		0.00E+00	0.68	ND	8.01E+02	6.35	
PCB-130 22'33'45"-HxCB	NotFnd		0.9847	-		0.00E+00	0.58	ND	8.01E+02	7.43	
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9904	-		0.00E+00	0.73	ND	8.01E+02	5.95	
PCB-164 233'4'5'6"-HxCB	NotFnd		0.9930	-		0.00E+00	0.85	ND	8.01E+02	5.09	
PCB-163/138/129 ...-HxCB	NotFnd	C	1.0012	-		0.00E+00	0.72	ND	8.01E+02	5.98	
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00	0.84	ND	8.01E+02	5.16	
PCB-158 233'44'6"-HxCB	NotFnd		1.0106	-		0.00E+00	0.94	ND	8.01E+02	4.62	
PCB-128/166 ...-HxCB	NotFnd	C	0.9593	-		0.00E+00	0.95	ND	5.82E+02	3.17	
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00	1.07	ND	5.82E+02	2.8	
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00	1.09	ND	5.82E+02	2.75	
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00	1.07	ND	5.90E+02	2.88	
PCB-179 22'33'566"-HpCB	NotFnd		1.0089	-		0.00E+00	0.97	ND	5.90E+02	3.15	
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00	0.96	ND	5.90E+02	3.21	
PCB-176 22'33'466"-HpCB	NotFnd		1.0324	-		0.00E+00	1.07	ND	5.90E+02	2.86	
PCB-186 22'34'566"-HpCB	NotFnd		1.0444	-		0.00E+00	1.00	ND	5.90E+02	3.07	
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0816	-		0.00E+00	0.73	ND	5.90E+02	4.23	
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00	0.77	ND	5.28E+02	3.57	
PCB-187 22'34'55'6"-HpCB	NotFnd		1.1057	-		0.00E+00	0.79	ND	5.28E+02	3.48	
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1112	-		0.00E+00	0.81	ND	5.28E+02	3.41	
PCB-183 22'34'4'5'6"-HpCB	NotFnd		1.1219	-		0.00E+00	0.91	ND	5.28E+02	3.03	
PCB-185 22'34'55'6"-HpCB	NotFnd		1.1241	-		0.00E+00	0.72	ND	5.28E+02	3.83	
PCB-174 22'33'456"-HpCB	NotFnd		1.1276	-		0.00E+00	0.65	ND	5.28E+02	4.21	
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1393	-		0.00E+00	0.67	ND	5.28E+02	4.11	
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1501	-		0.00E+00	0.79	ND	5.28E+02	3.49	
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00	0.70	ND	5.28E+02	3.94	
PCB-172 22'33'455"-HpCB	NotFnd		0.9003	-		0.00E+00	0.66	ND	5.28E+02	3.51	
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00	0.85	ND	5.28E+02	2.73	
PCB-180/193 ...-HpCB	NotFnd	C	0.9127	-		0.00E+00	0.84	ND	5.28E+02	2.75	
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00	0.89	ND	5.28E+02	2.61	
PCB-170 22'33'44'5"-HpCB	NotFnd		0.9380	-		0.00E+00	0.70	ND	5.28E+02	3.32	
PCB-190 233'44'56"-HpCB	NotFnd		0.9486	-		0.00E+00	0.91	ND	5.28E+02	2.56	
PCB-202 22'33'55'66"-OoCB	NotFnd		1.0006	-		0.00E+00	0.83	ND	4.18E+02	2.82	
PCB-201 22'33'45'66"-OoCB	NotFnd		1.0221	-		0.00E+00	0.94	ND	4.18E+02	2.47	

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.89	ND	4.18E+02	2.61
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		0.92	ND	4.18E+02	2.52
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.94	ND	4.18E+02	2.47
PCB-198/199 ...-OcCB	NotFnd	C	1.1102	-		0.00E+00		0.67	ND	4.18E+02	3.48
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1260	-		0.00E+00		0.70	ND	4.18E+02	3.31
PCB-203 22'344'55'6-OcCB	NotFnd		1.1306	-		0.00E+00		0.74	ND	4.18E+02	3.14
PCB-195 22'33'44'56-OcCB	NotFnd		0.9469	-		0.00E+00		0.69	ND	5.49E+02	4.39
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9915	-		0.00E+00		0.74	ND	5.49E+02	4.09
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	5.49E+02	2.78
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.98	ND	5.39E+02	3.82
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		0.99	ND	5.39E+02	3.78
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.93	ND	5.39E+02	4.25

AP Lab ID: MB1_9888_PCB_TLX
Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

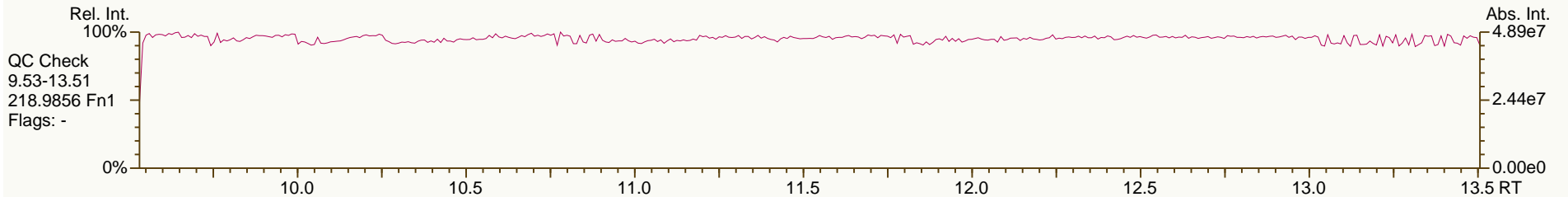
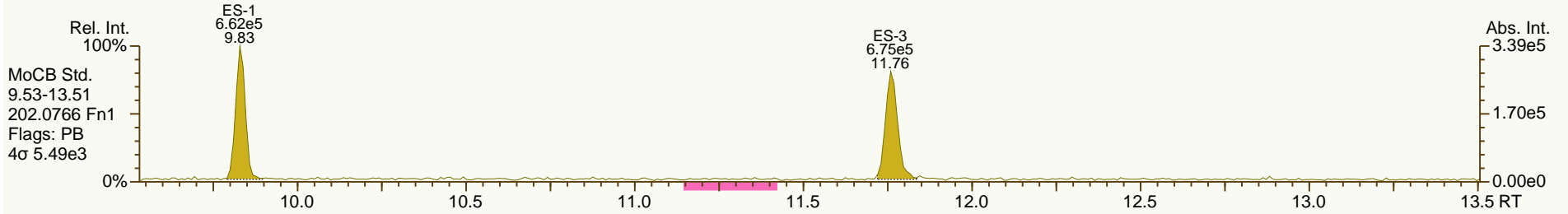
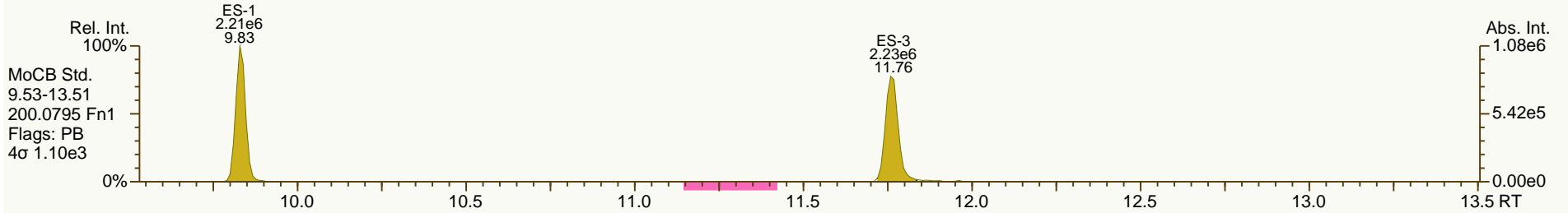
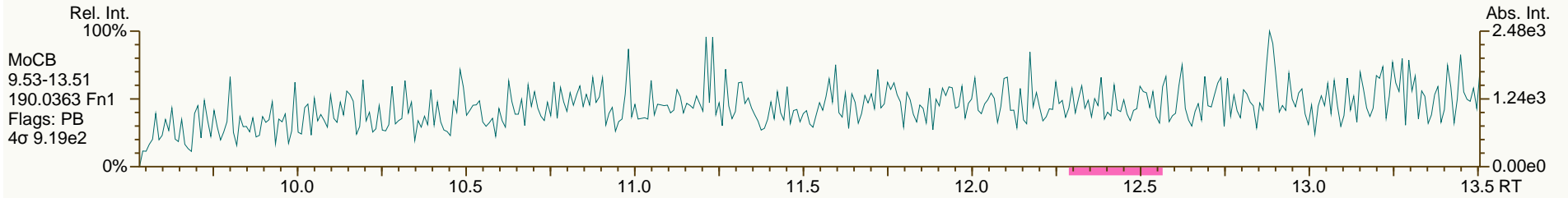
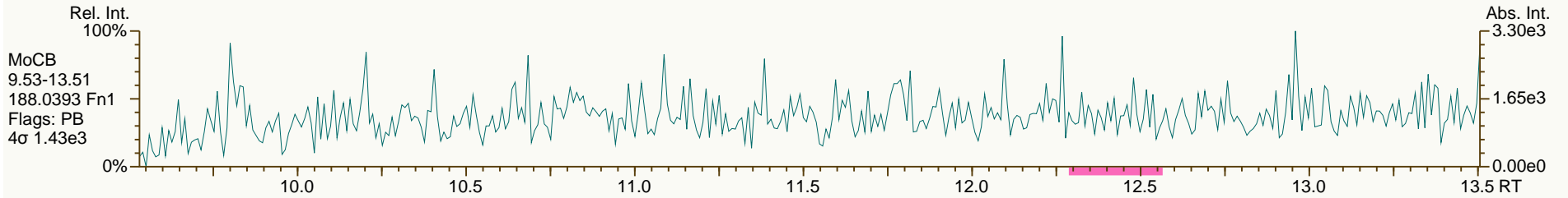
Acq: 29-Jun-2012 16:41:37
User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

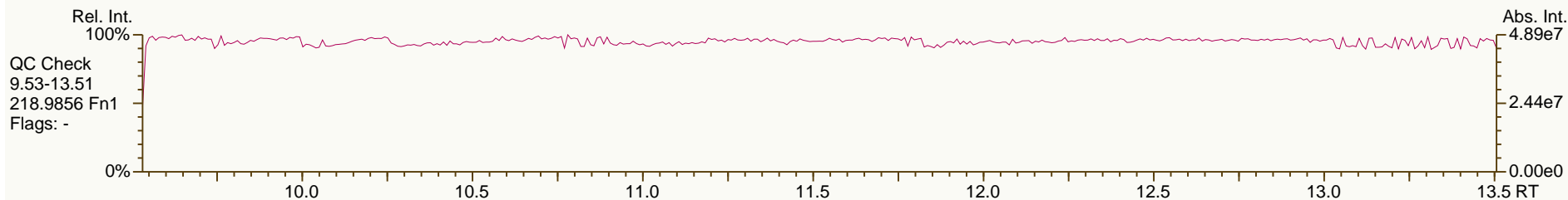
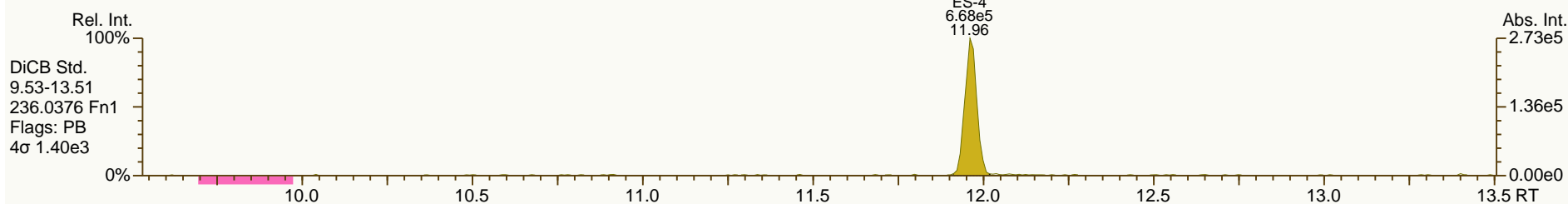
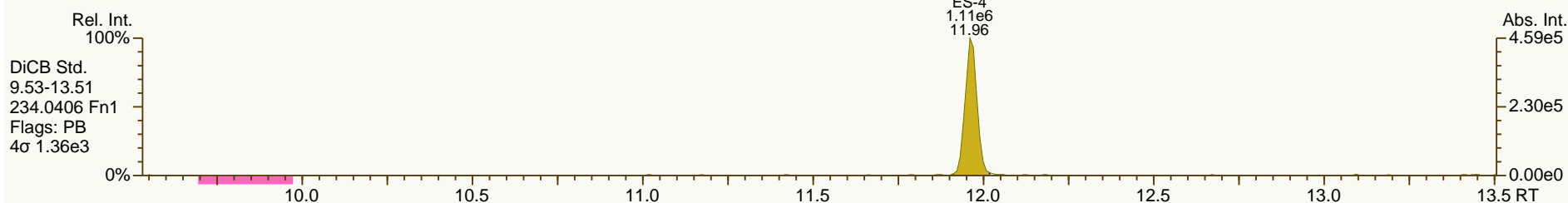
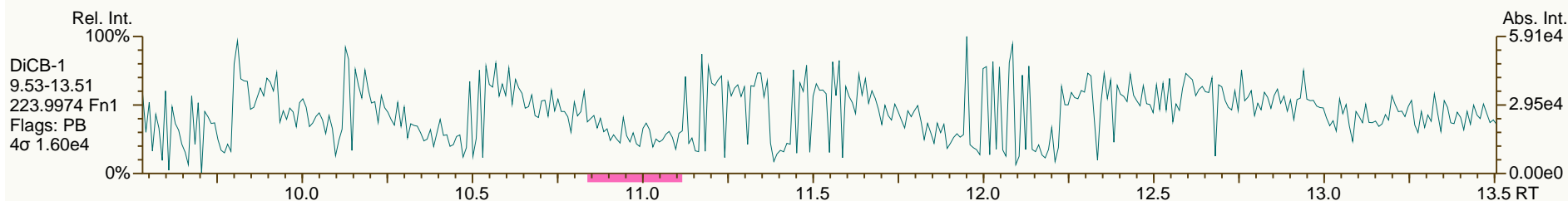
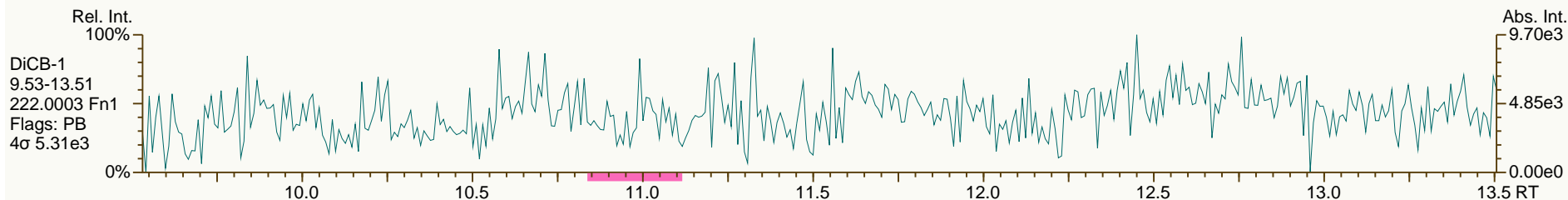
Acq: 29-Jun-2012 16:41:37
 User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

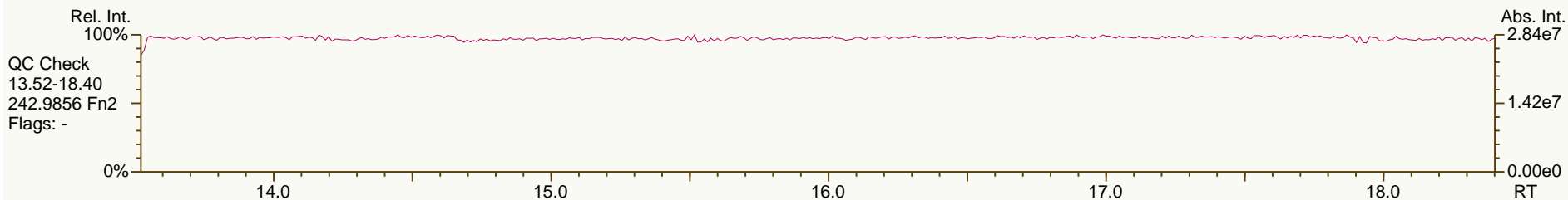
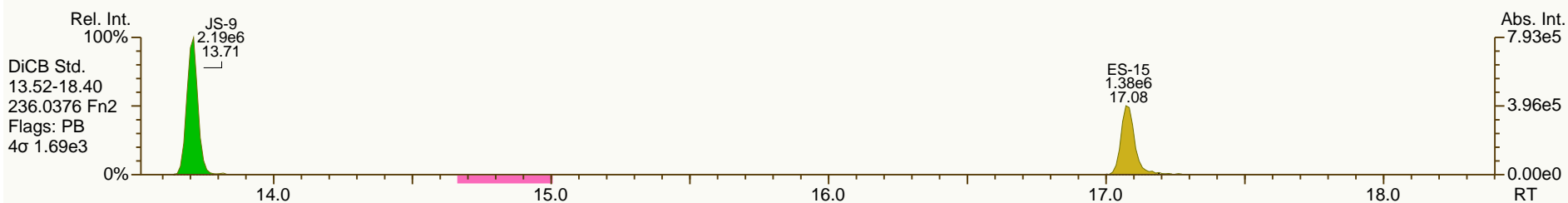
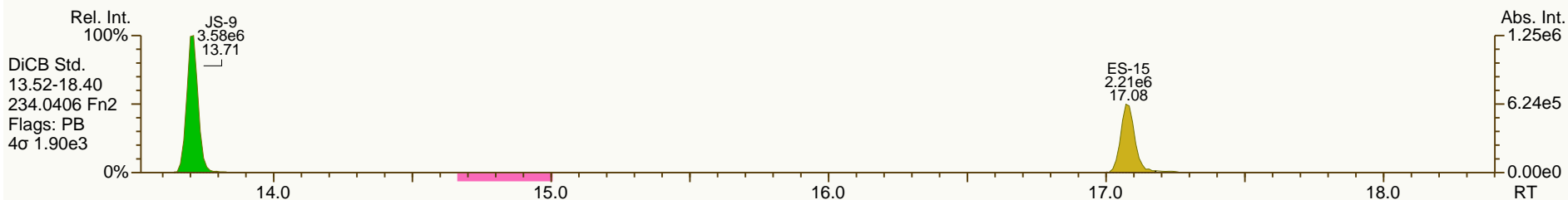
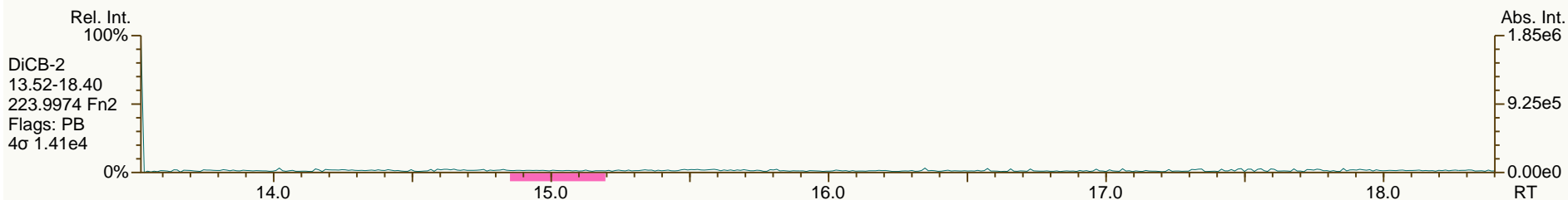
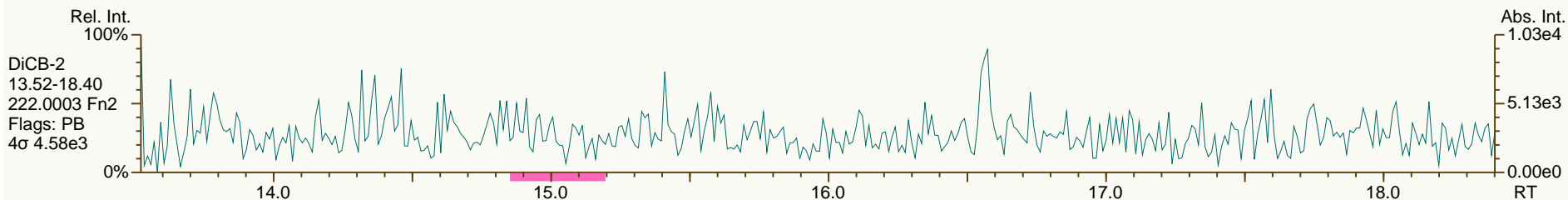
Acq: 29-Jun-2012 16:41:37
User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

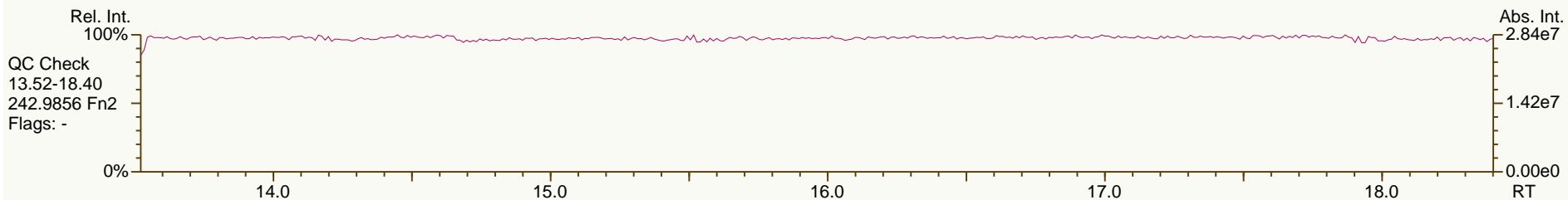
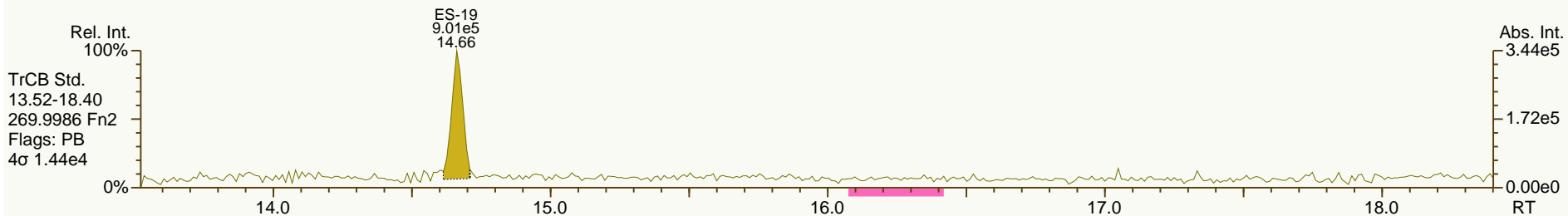
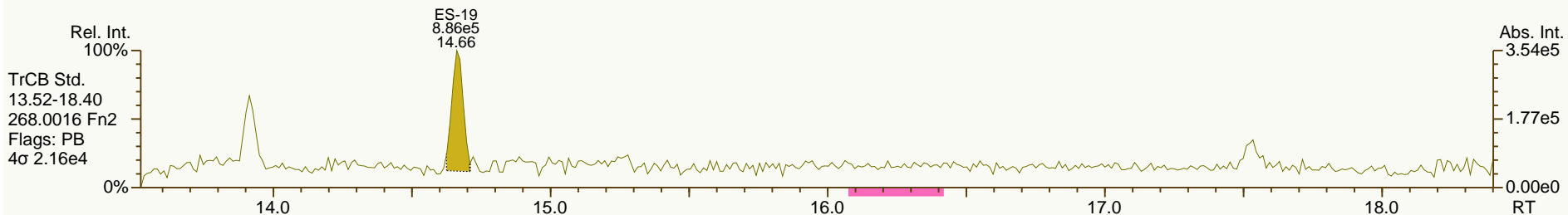
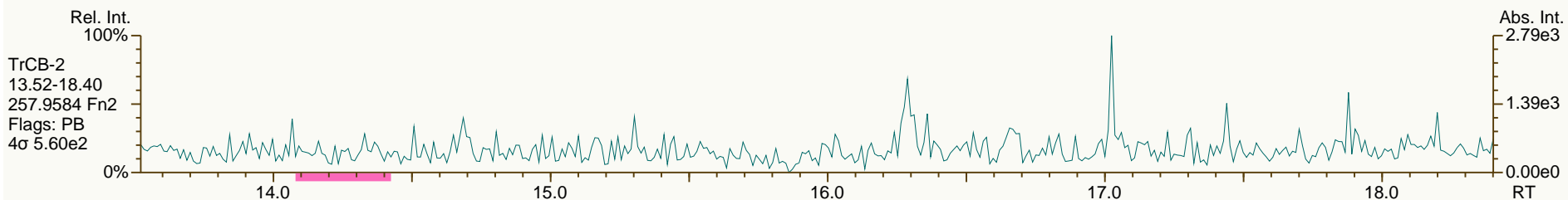
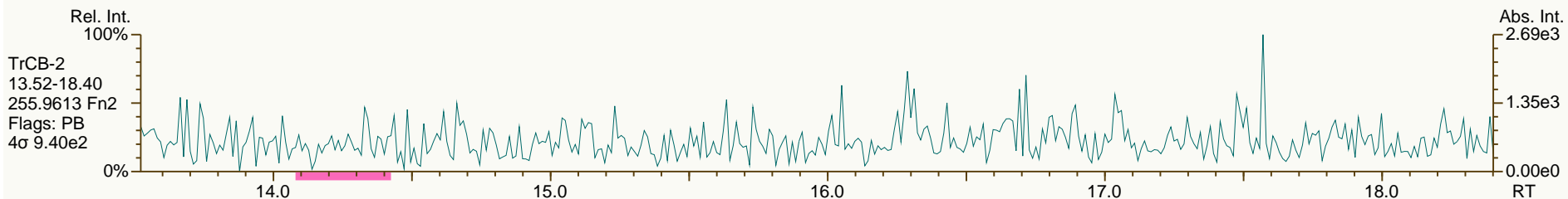
Acq: 29-Jun-2012 16:41:37
User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

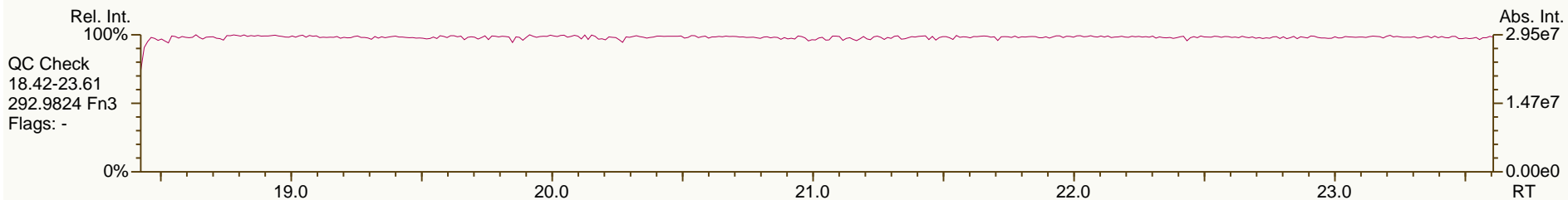
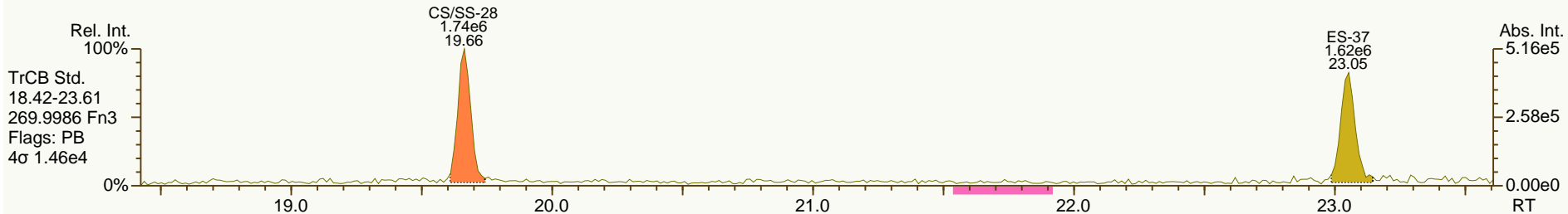
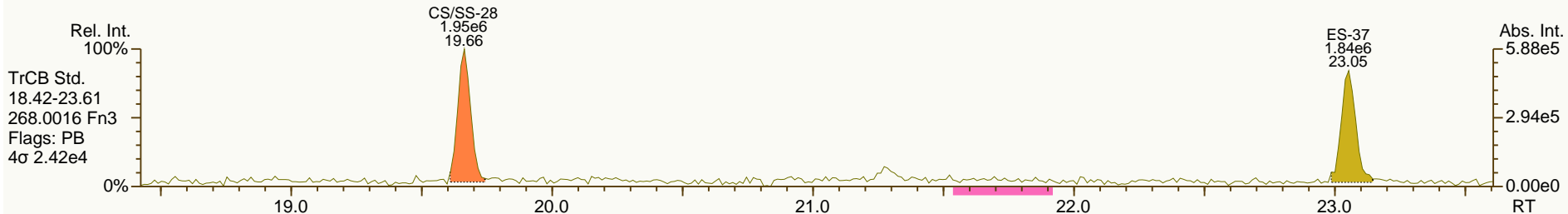
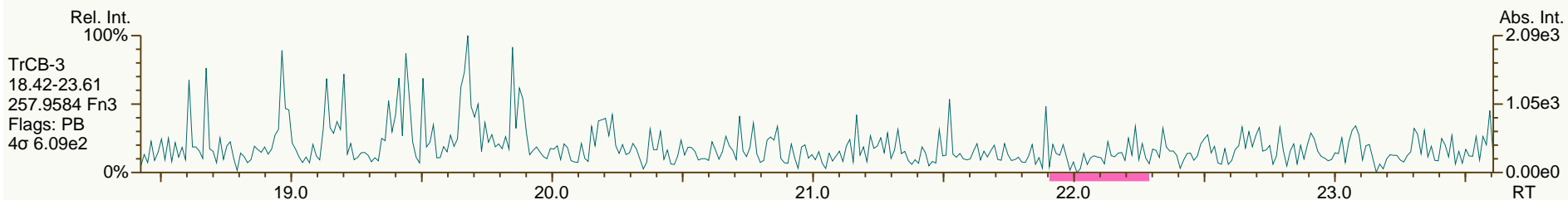
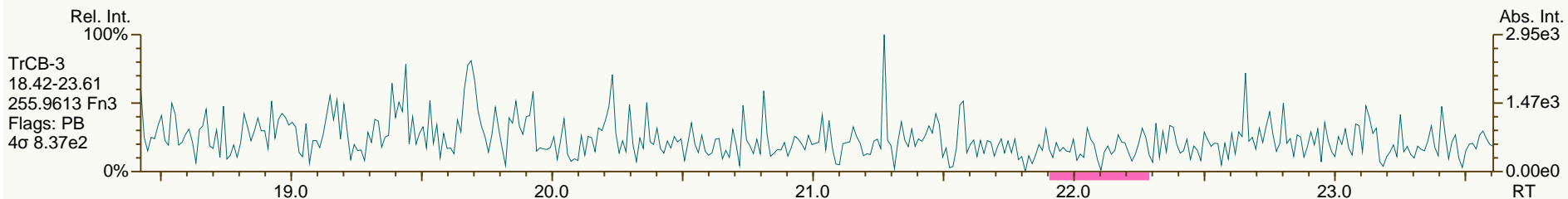
Acq: 29-Jun-2012 16:41:37
 User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

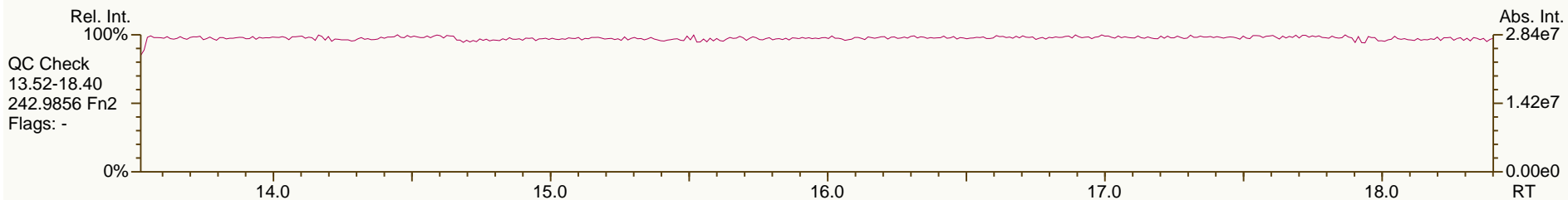
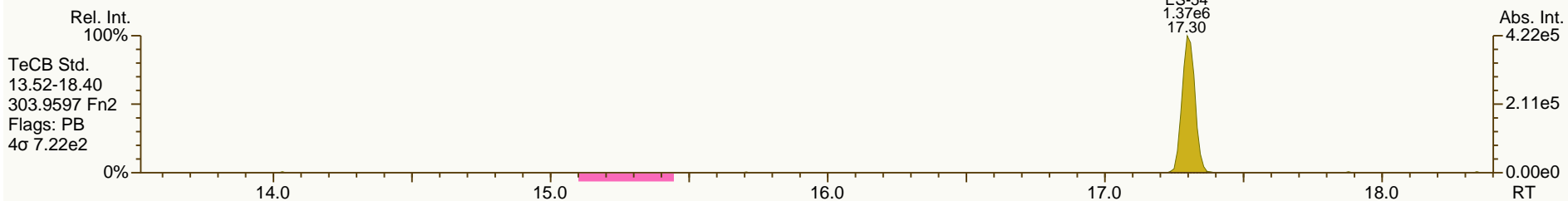
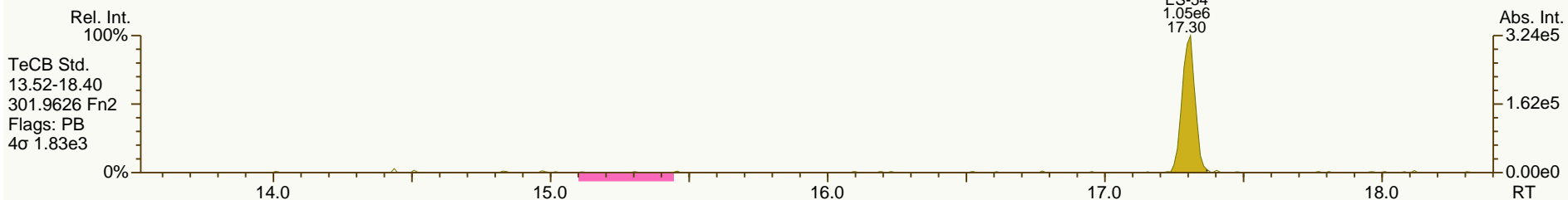
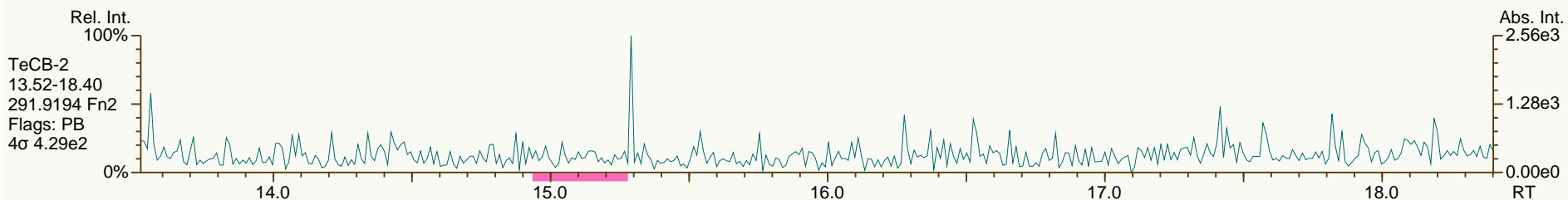
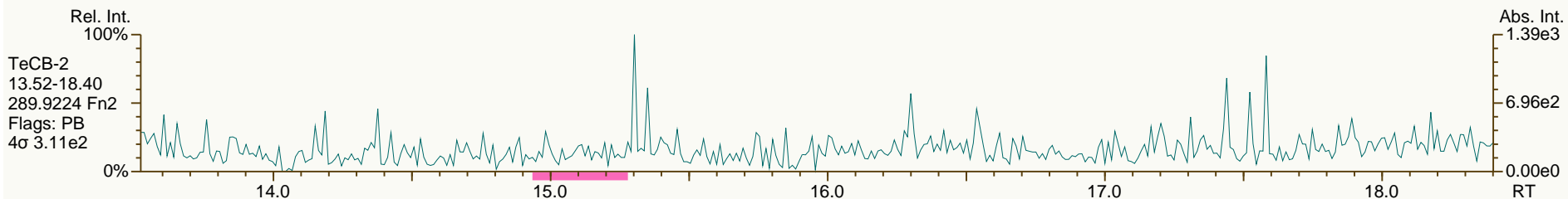
Acq: 29-Jun-2012 16:41:37
 User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

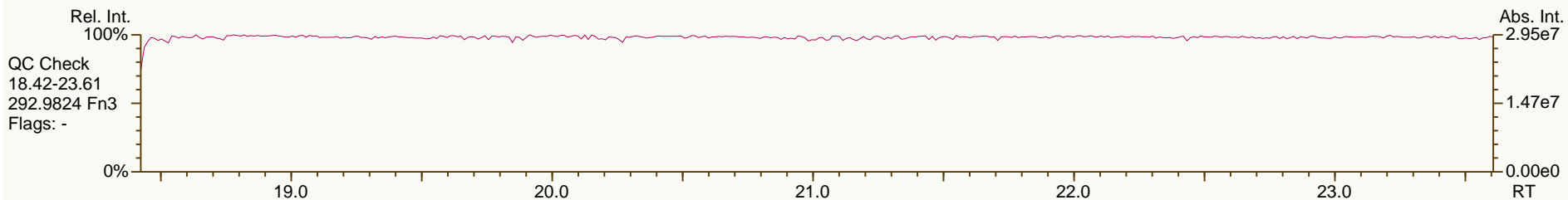
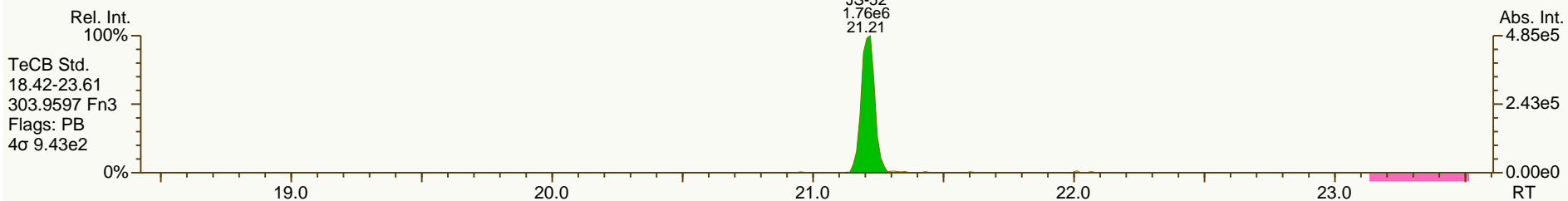
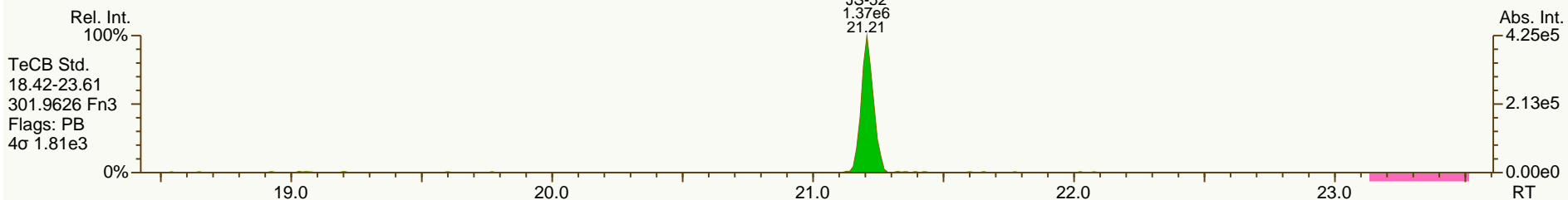
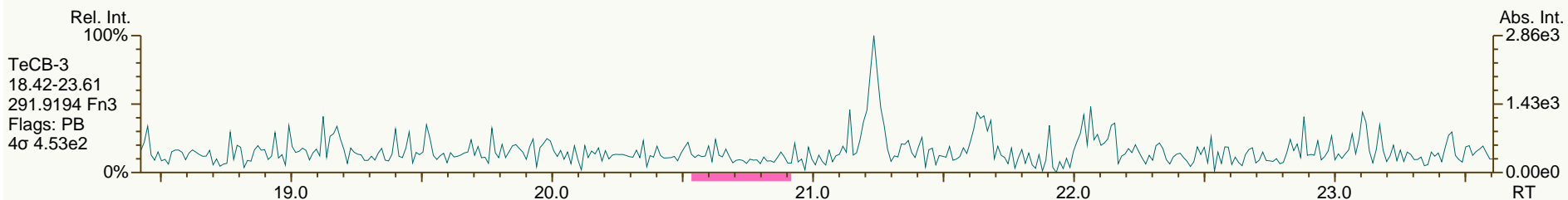
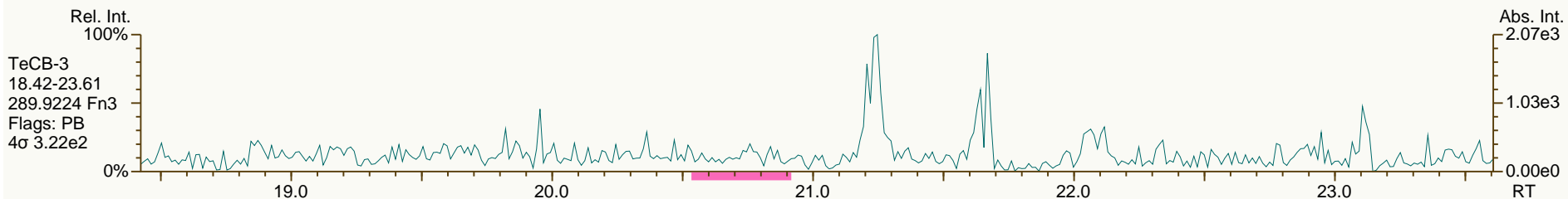
Acq: 29-Jun-2012 16:41:37
 User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

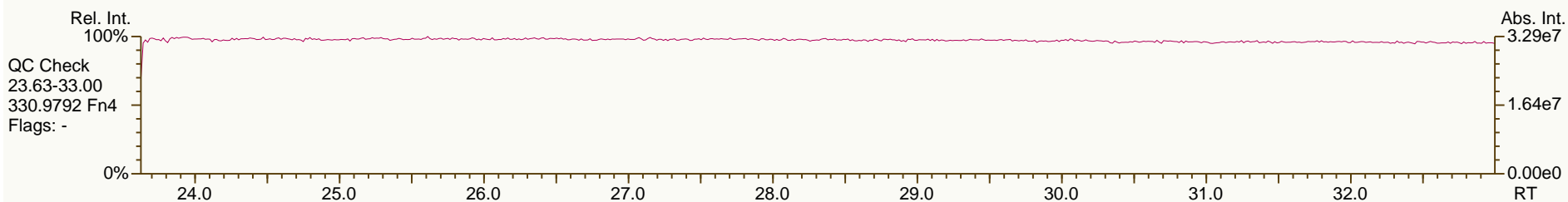
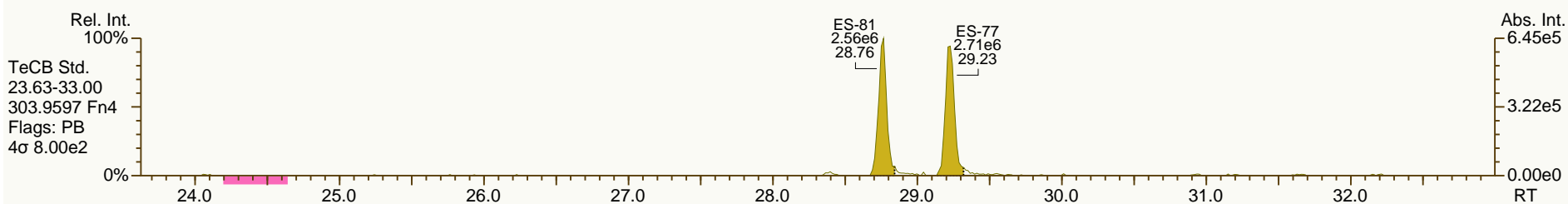
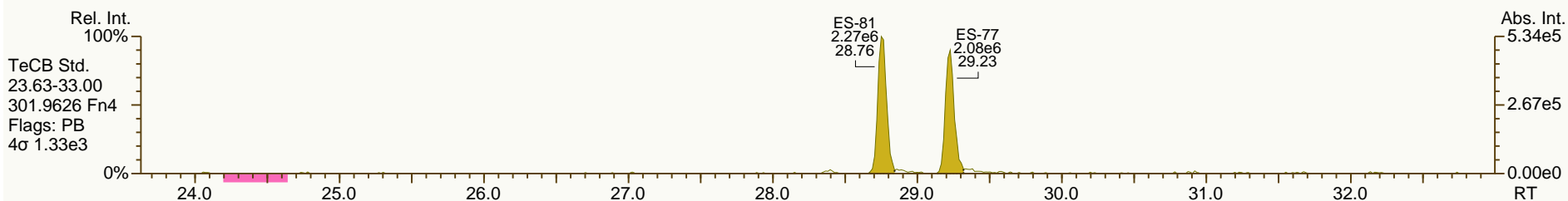
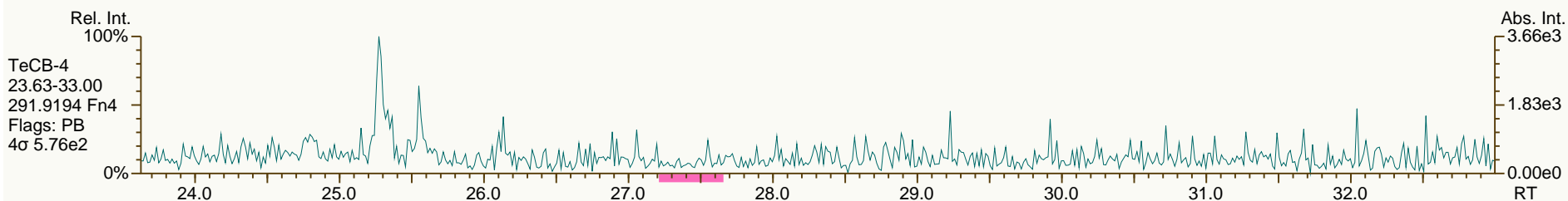
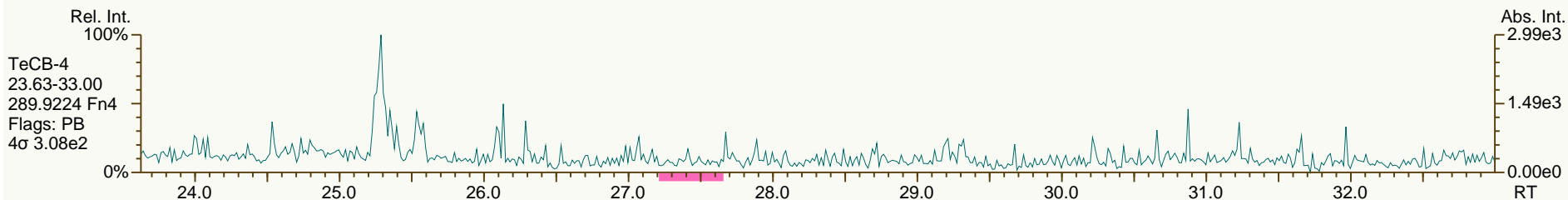
Acq: 29-Jun-2012 16:41:37
 User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

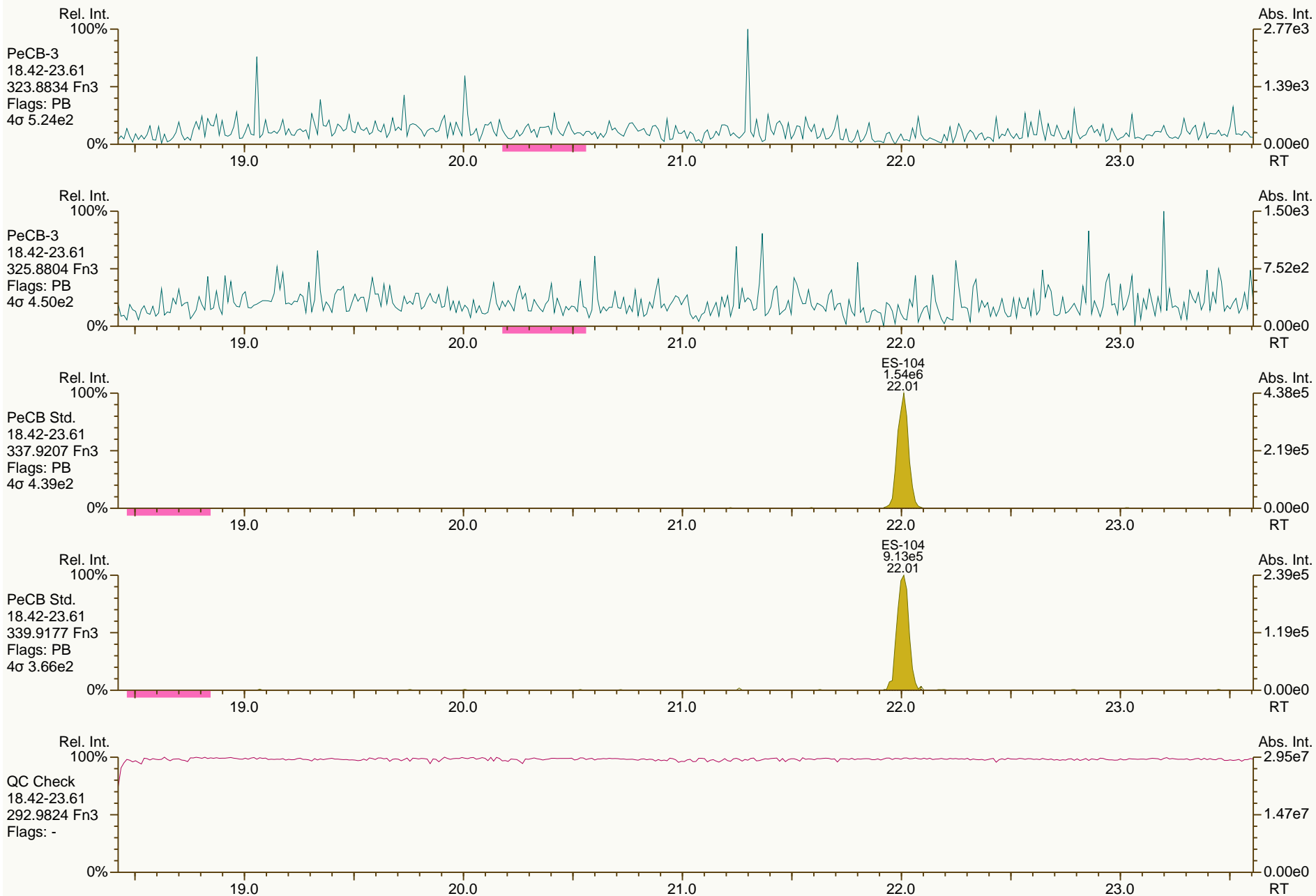
Acq: 29-Jun-2012 16:41:37
User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

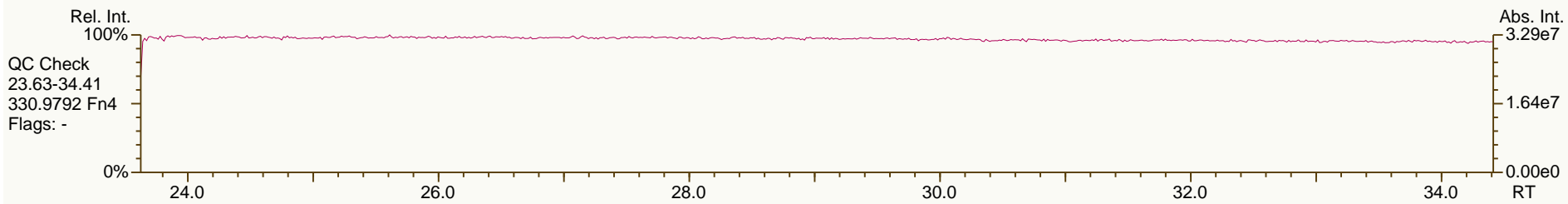
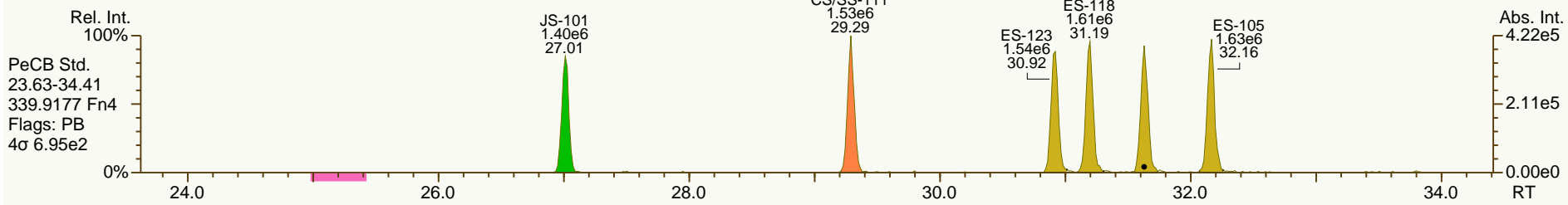
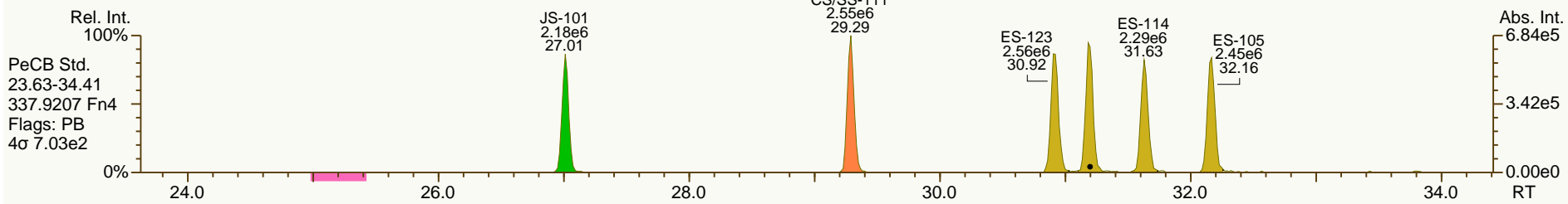
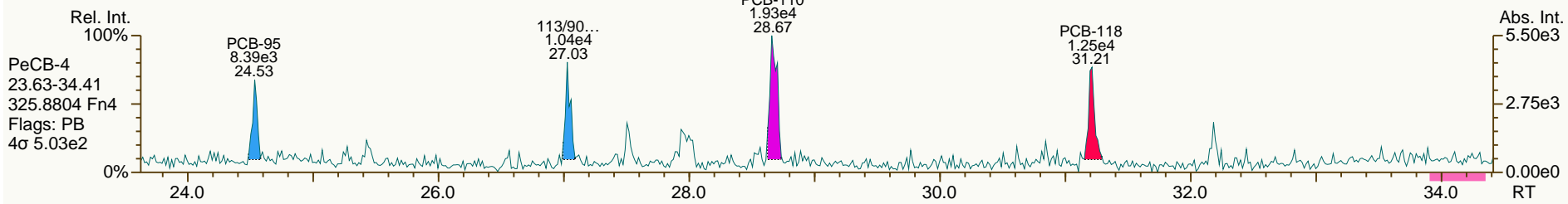
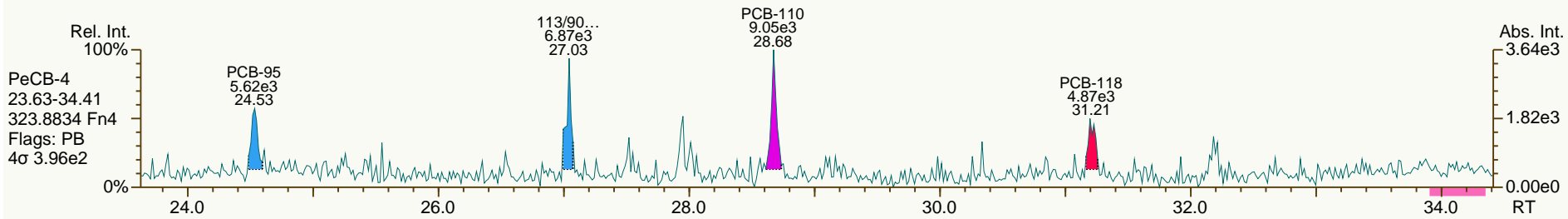
Acq: 29-Jun-2012 16:41:37
User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

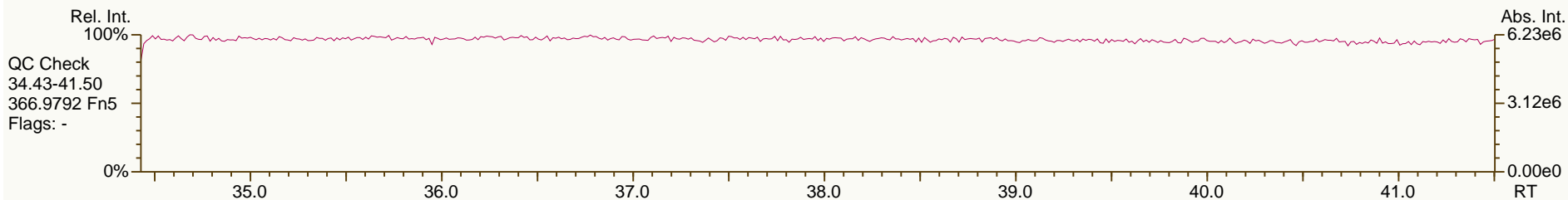
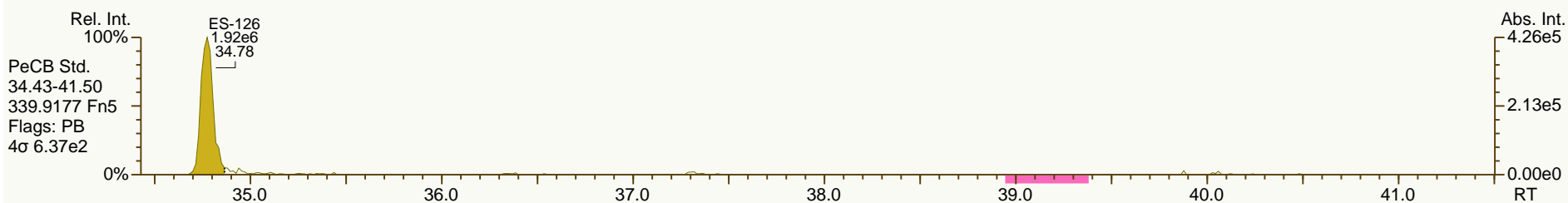
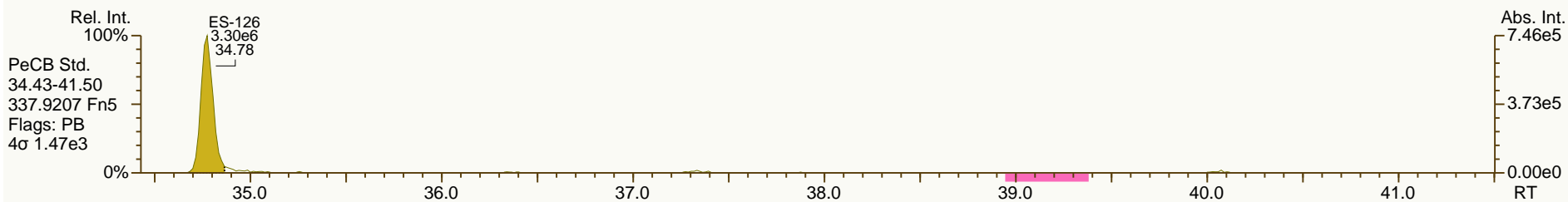
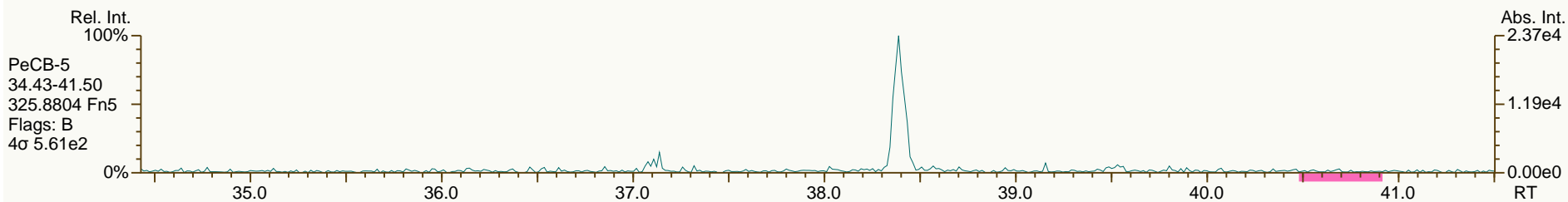
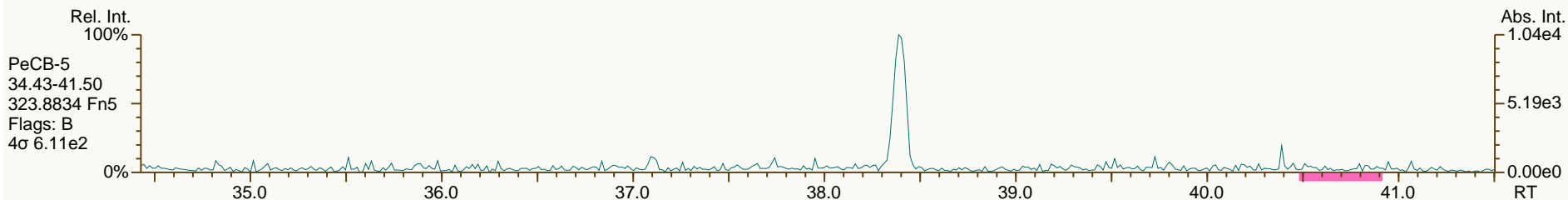
Acq: 29-Jun-2012 16:41:37
 User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

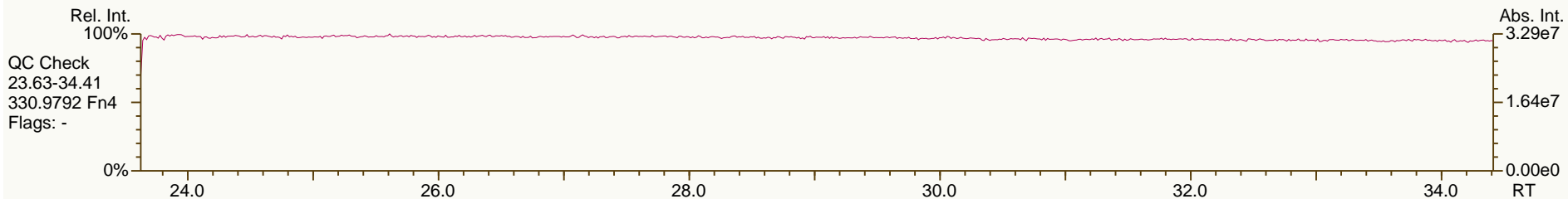
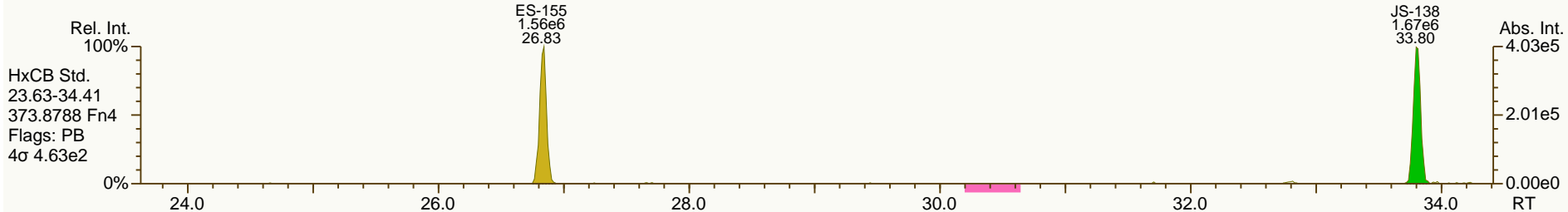
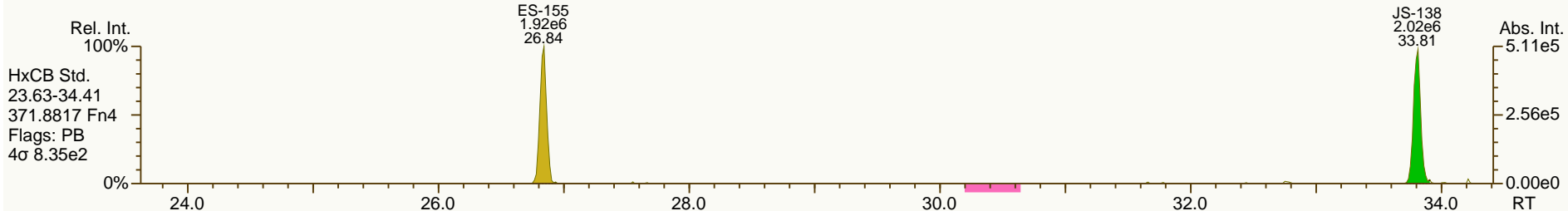
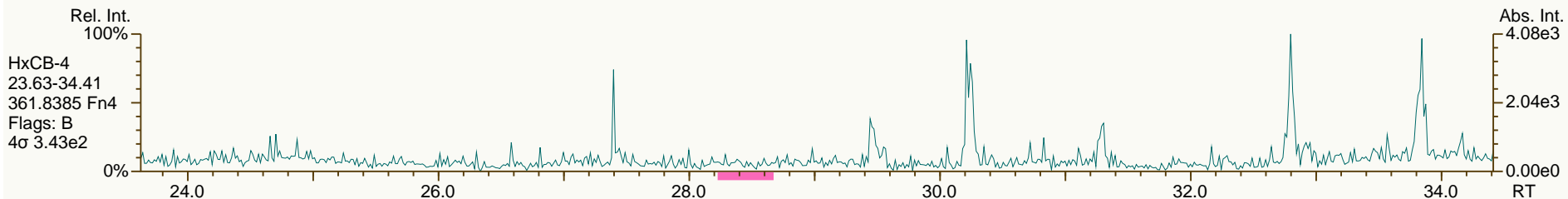
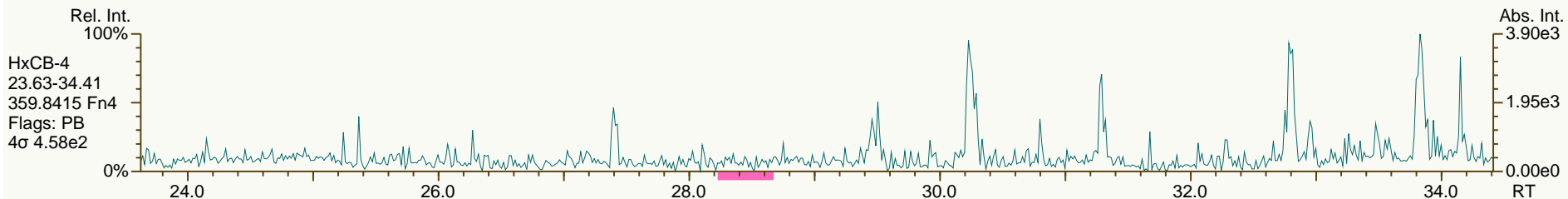
Acq: 29-Jun-2012 16:41:37
User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

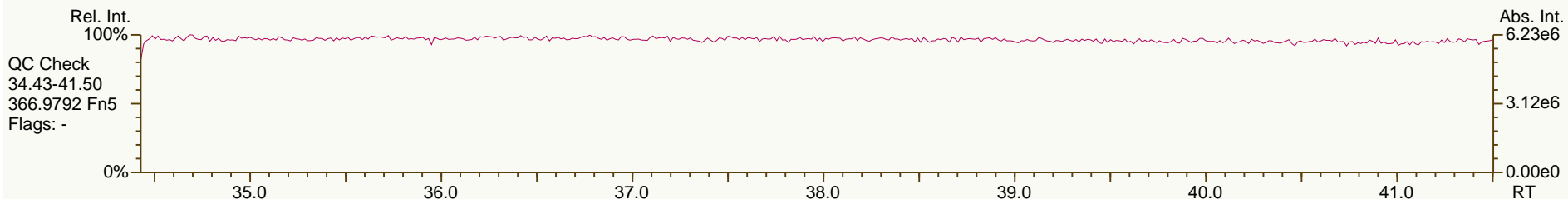
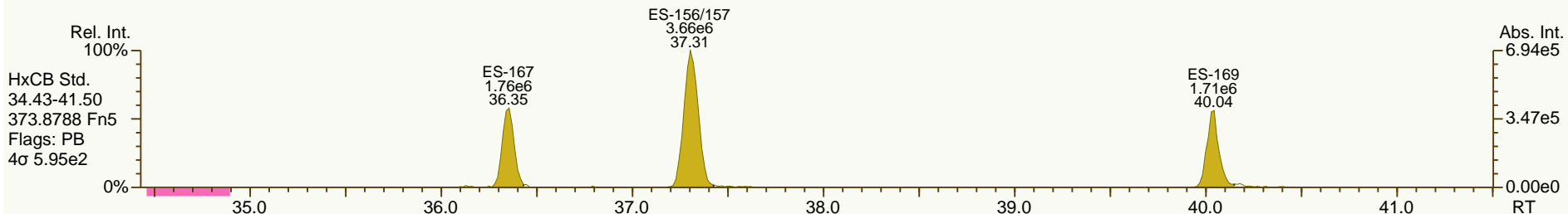
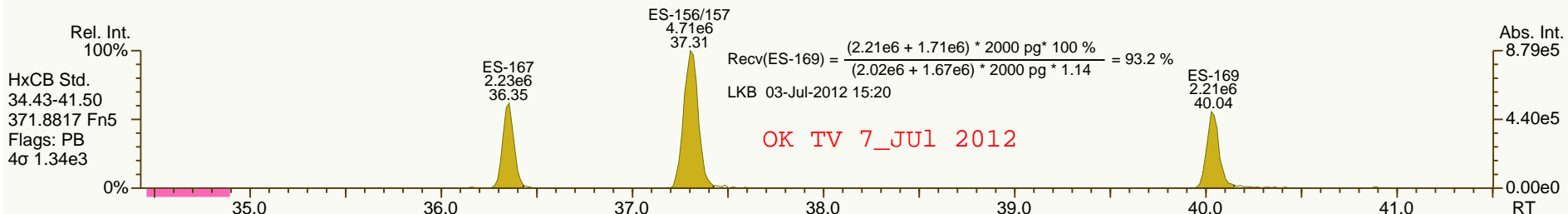
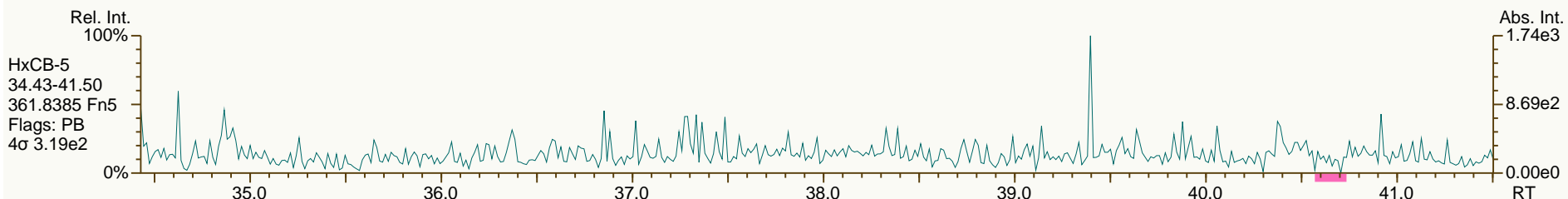
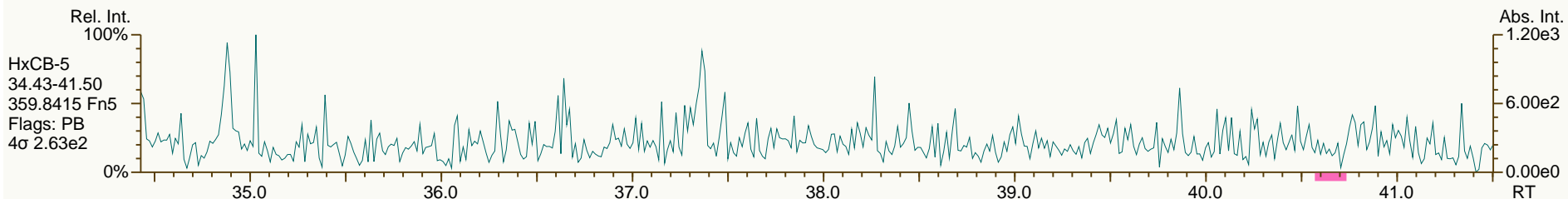
Acq: 29-Jun-2012 16:41:37
 User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

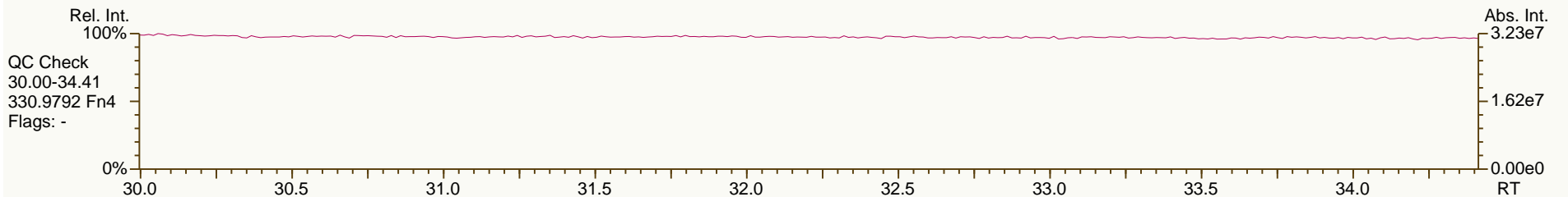
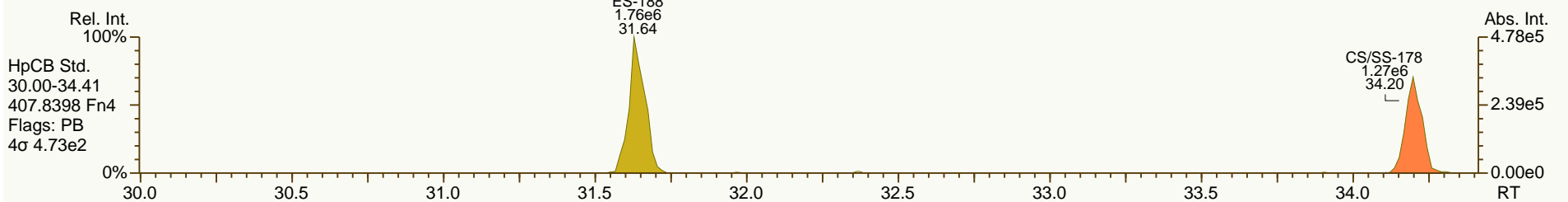
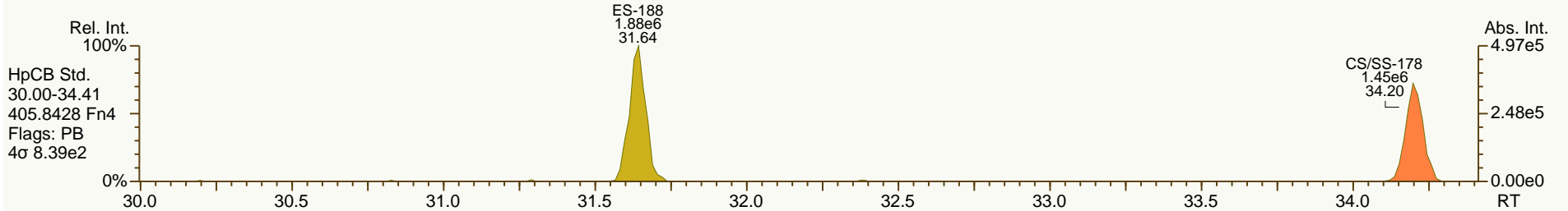
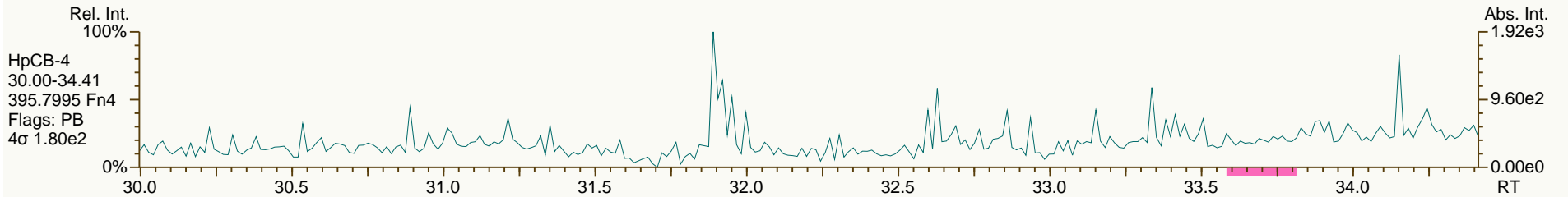
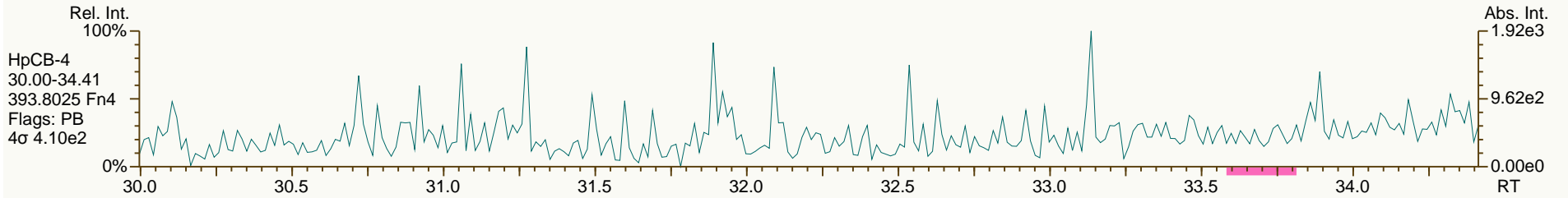
Acq: 29-Jun-2012 16:41:37
 User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

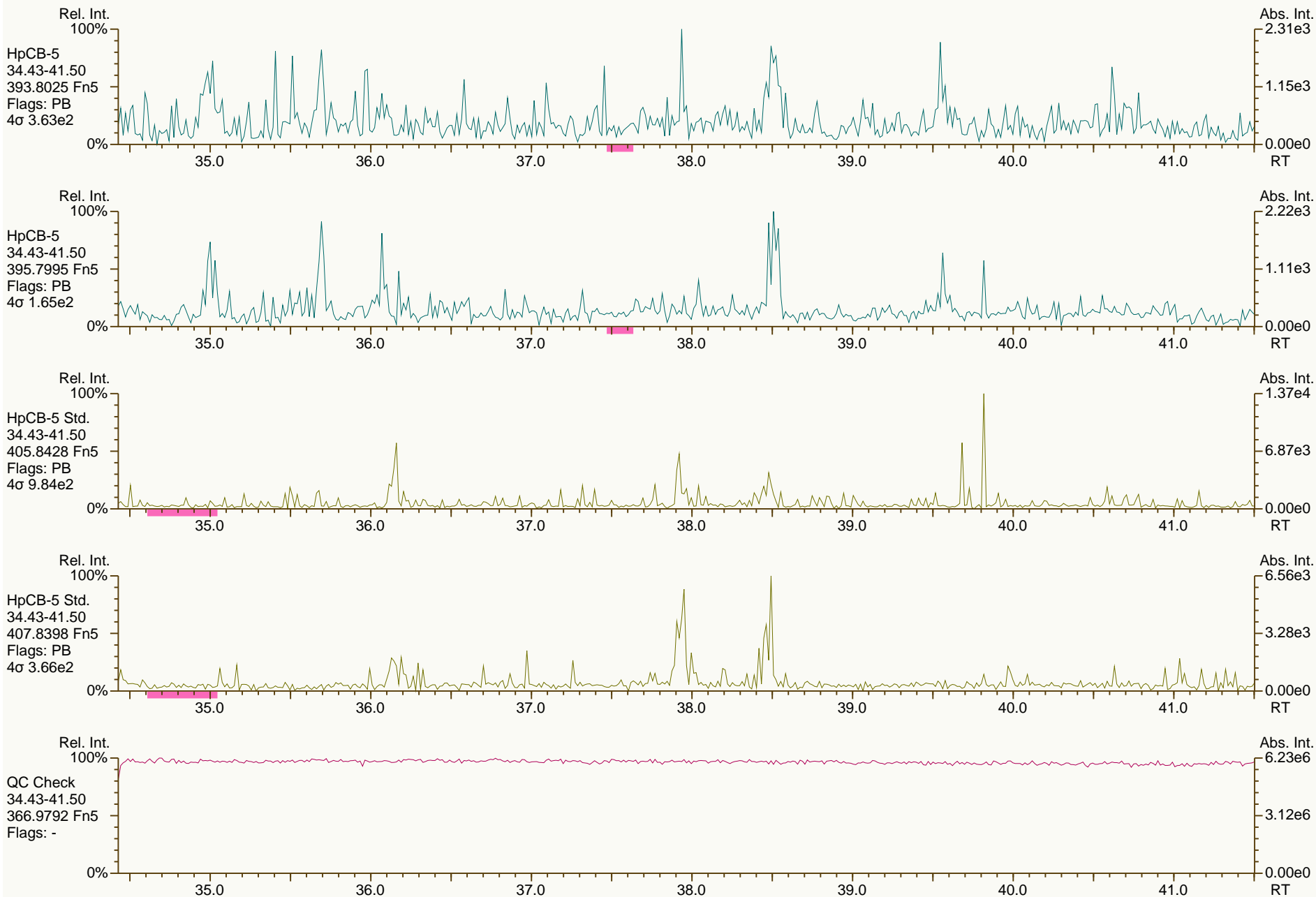
Acq: 29-Jun-2012 16:41:37
 User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

Acq: 29-Jun-2012 16:41:37
User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

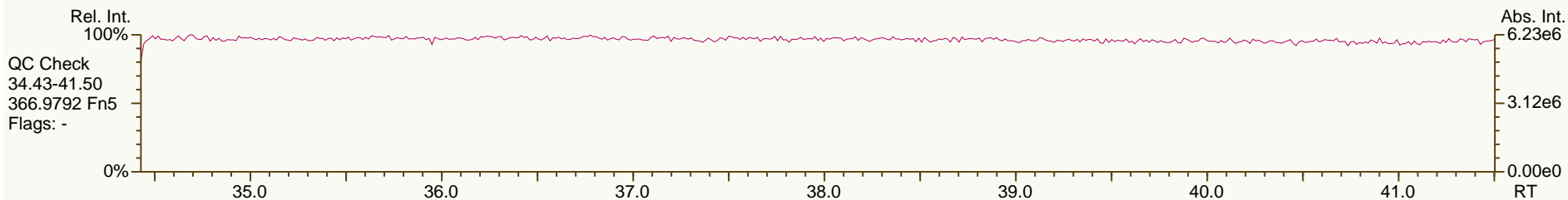
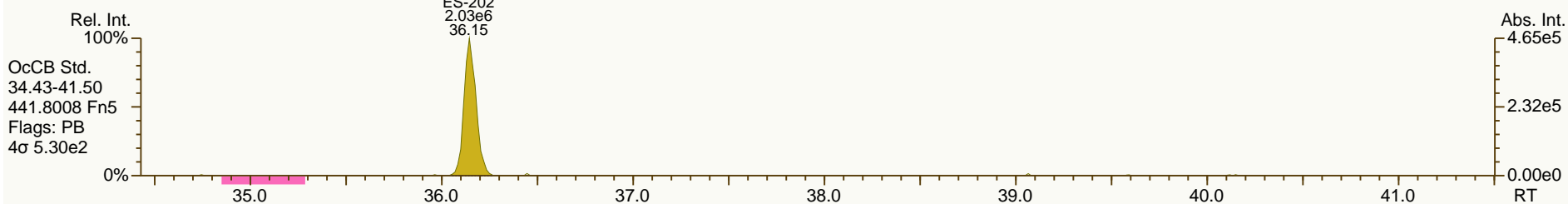
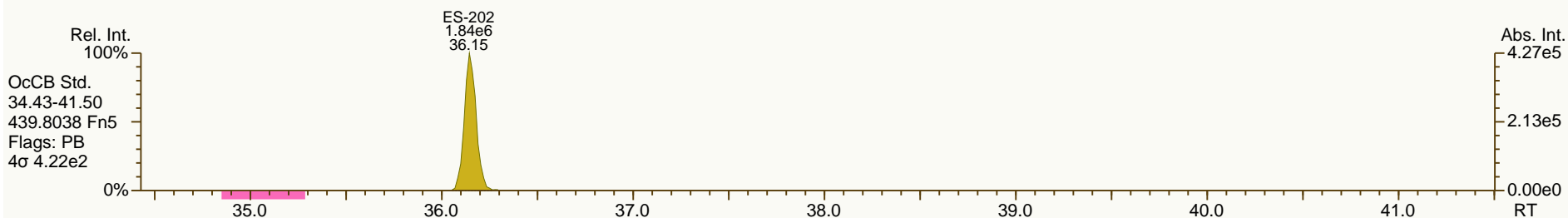
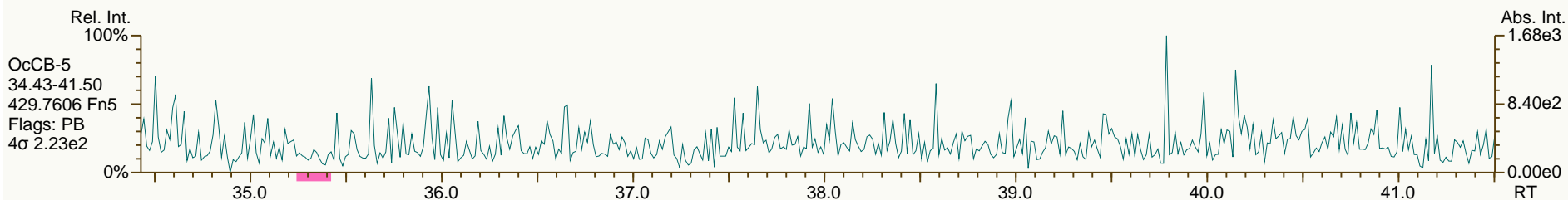
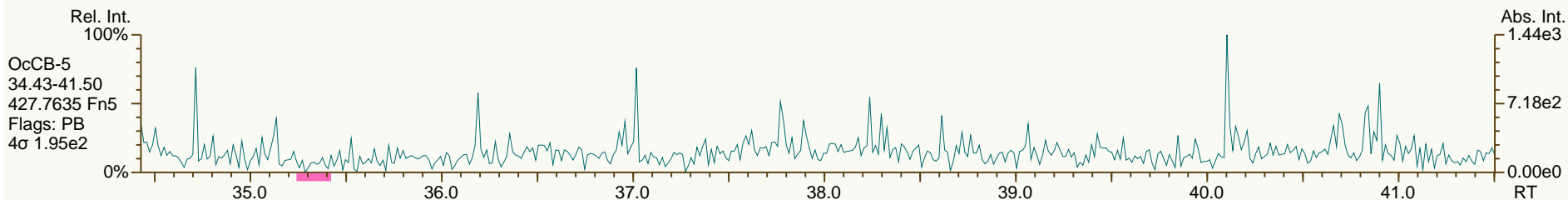
Acq: 29-Jun-2012 16:41:37
User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

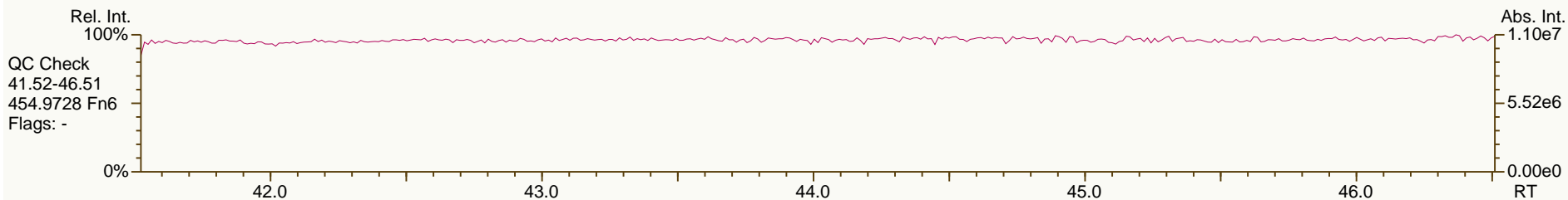
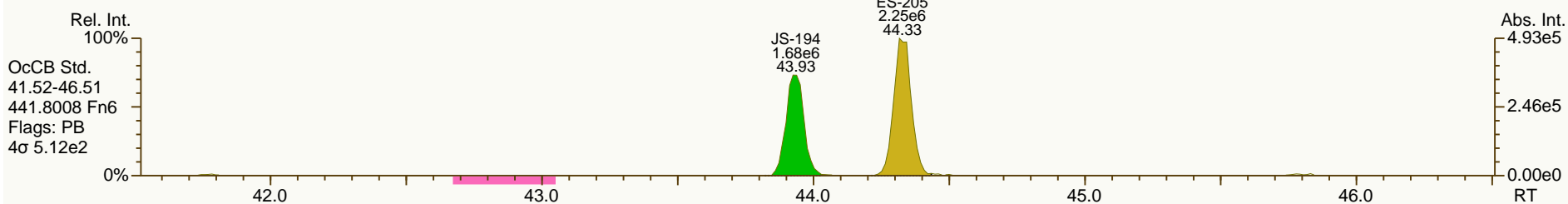
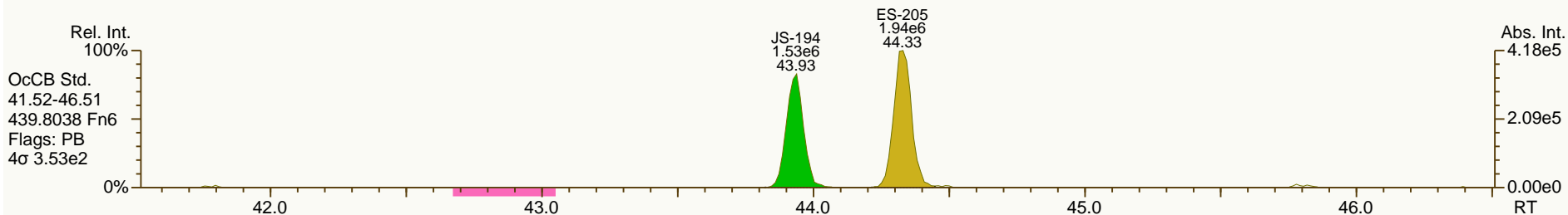
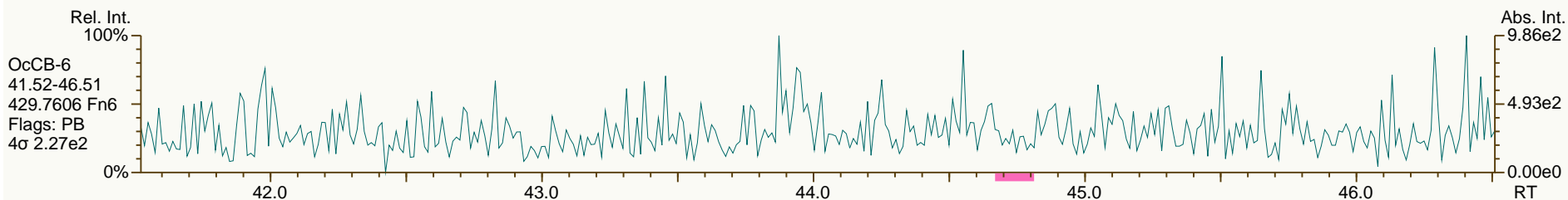
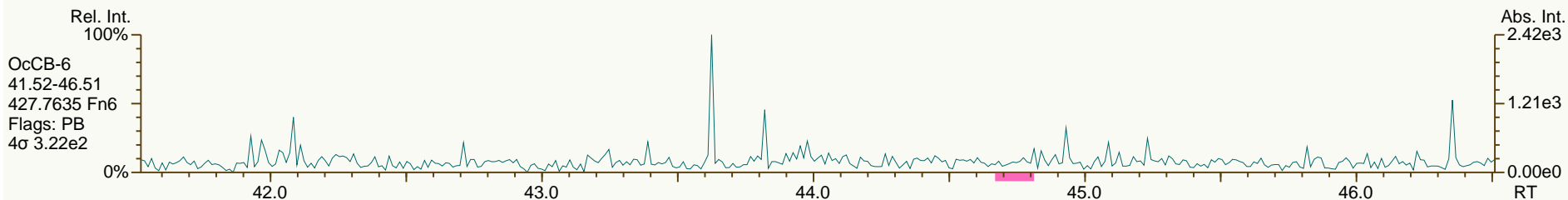
Acq: 29-Jun-2012 16:41:37
User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

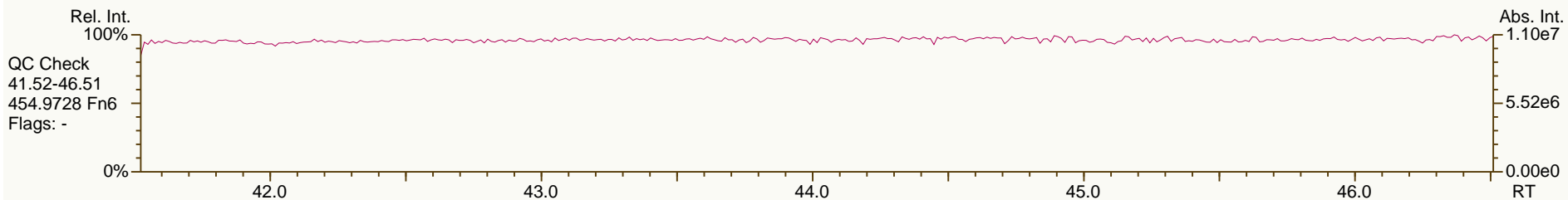
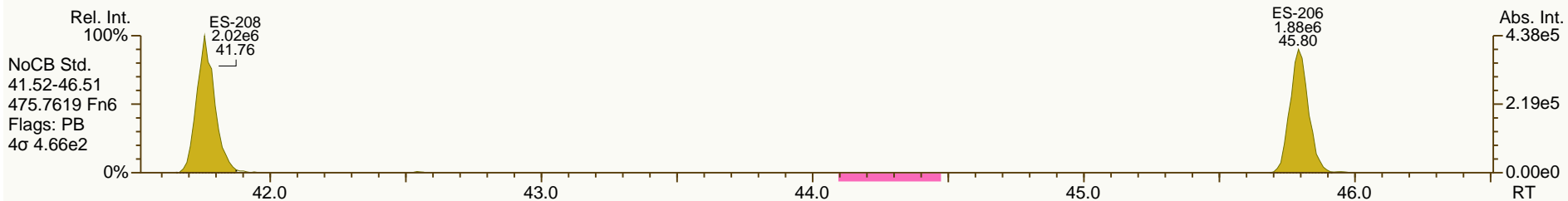
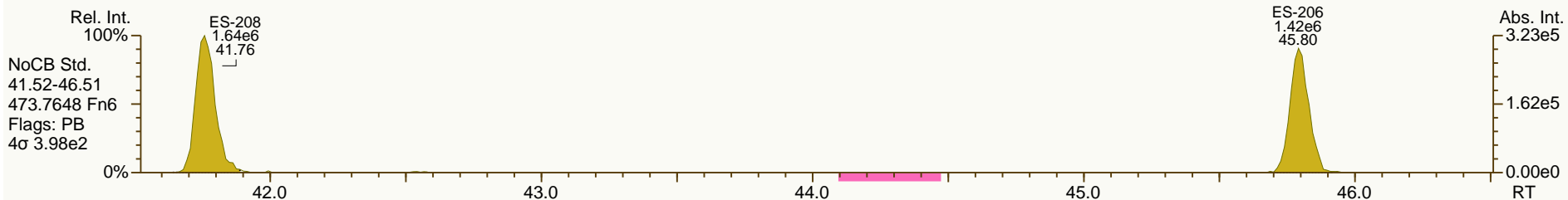
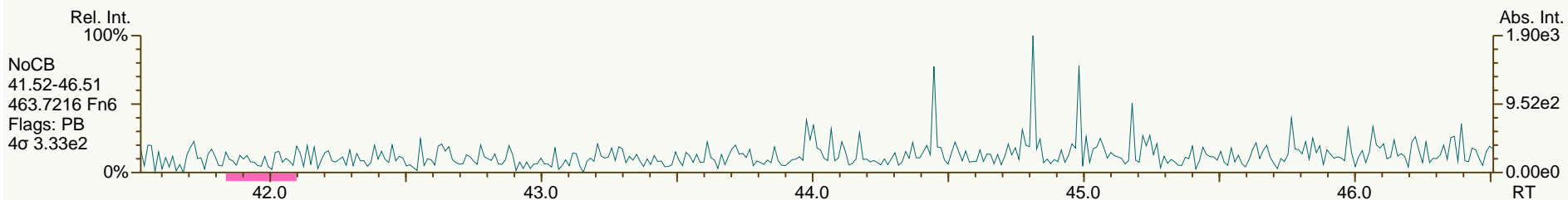
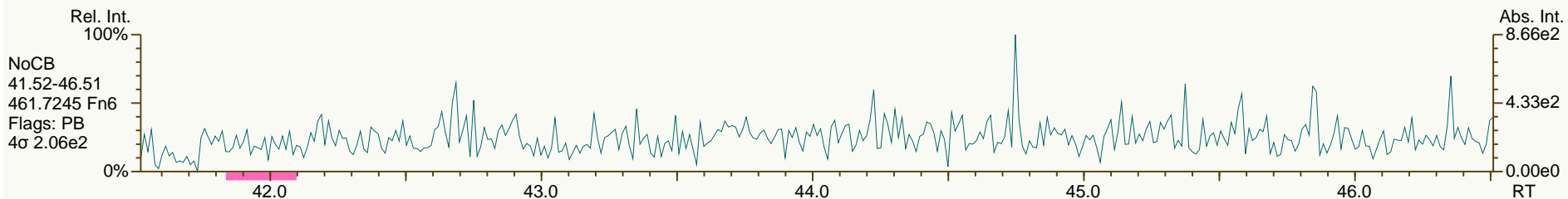
Acq: 29-Jun-2012 16:41:37
User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

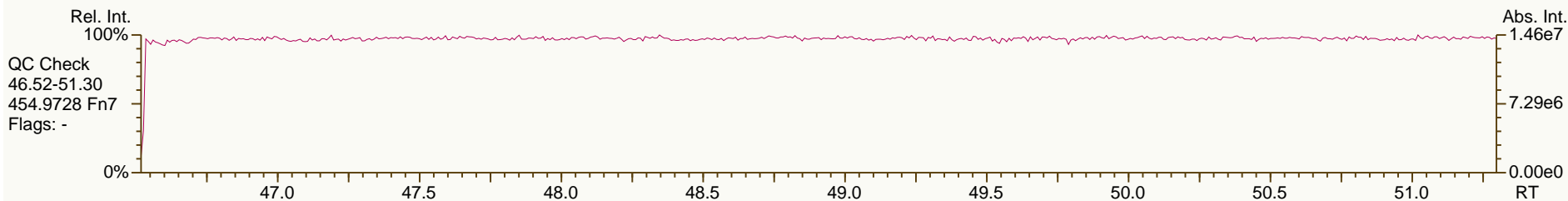
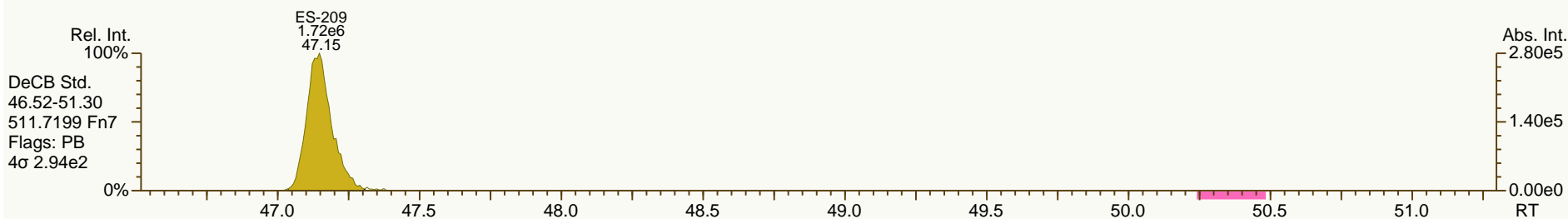
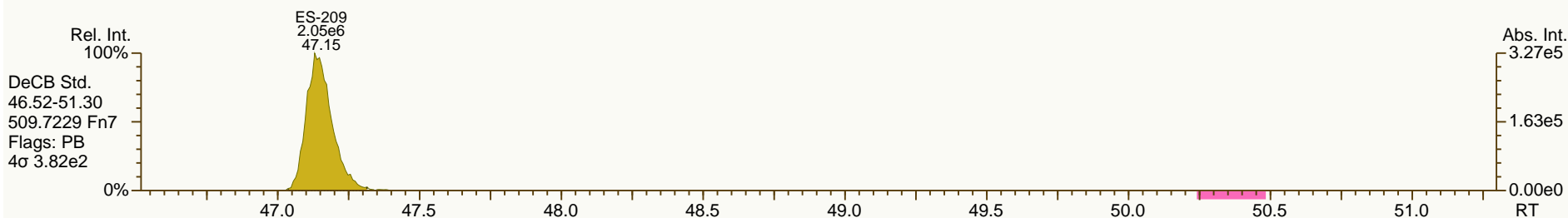
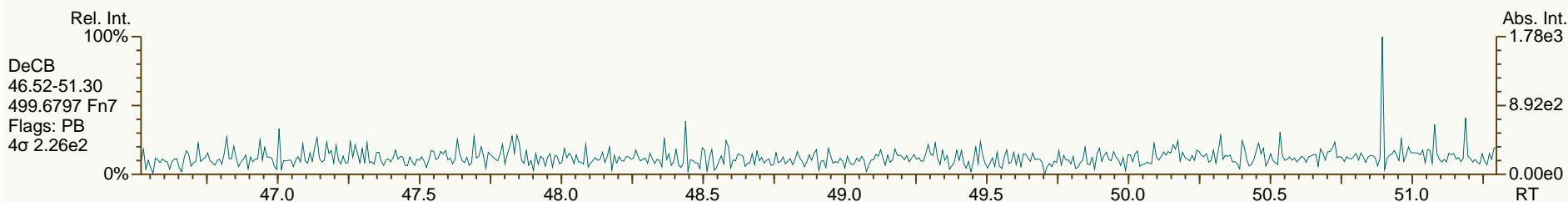
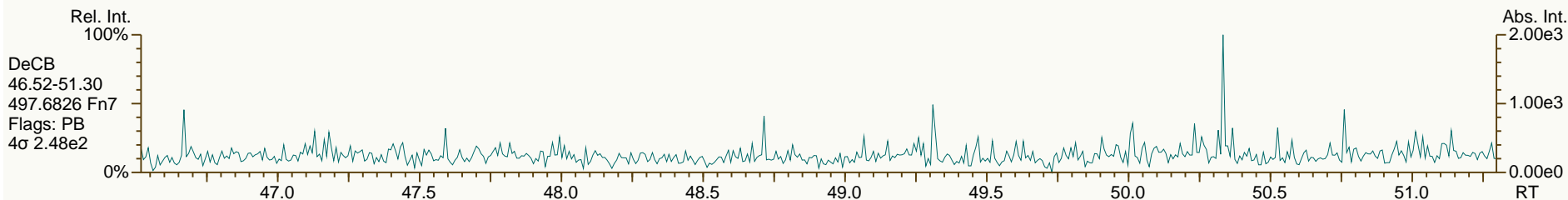
Acq: 29-Jun-2012 16:41:37
 User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

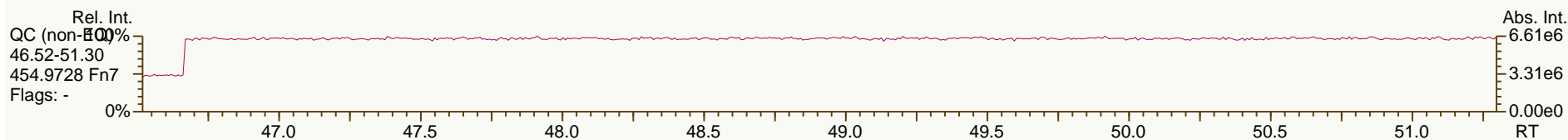
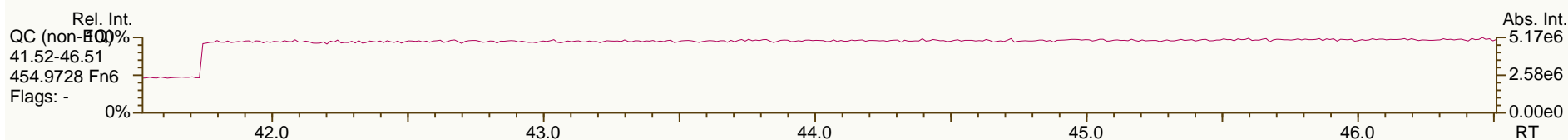
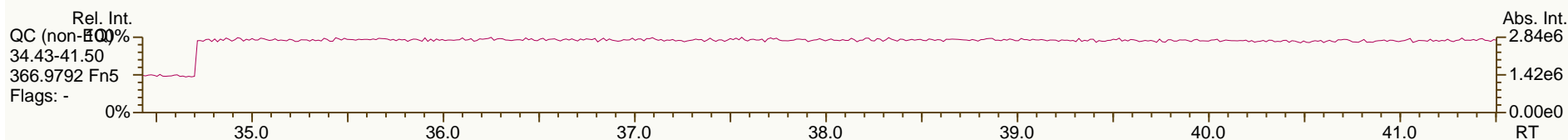
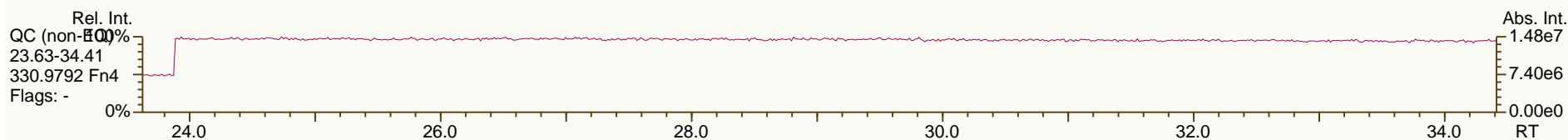
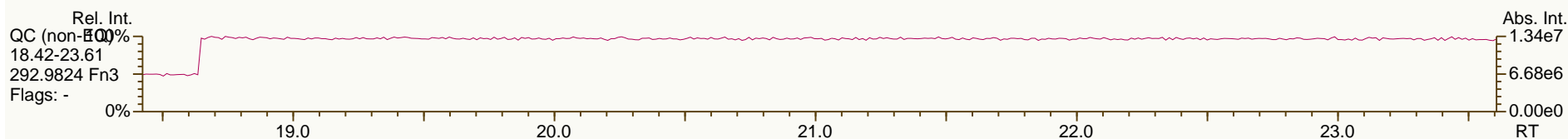
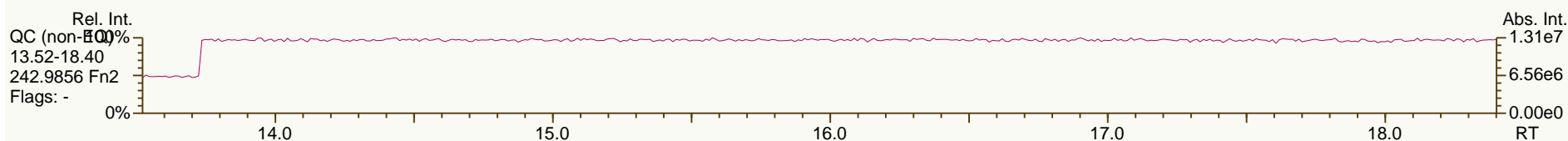
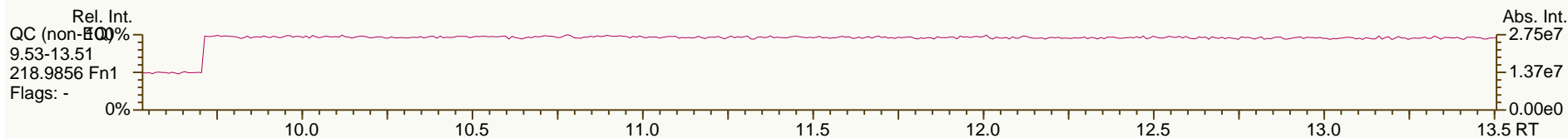
Acq: 29-Jun-2012 16:41:37
User: LKB Datafile: 120629S09



AP Lab ID: MB1_9888_PCB_TLX
Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

Acq: 29-Jun-2012 16:41:37
User: LKB Datafile: 120629S09



Lab ID: A4367_9888_PCB_001-RJ

ACQ: 29-Jun-2012 18:29:41 LKB Wt/Vol: 1.06 L

ICAL: MM4_PCB_01102012_26JAN12 CS3_120629_PCB_SB

Client ID: JW-FB-120507

UTP: 03-Jul-2012 12:53 LKB

J-level: 9.48 pg/L Split: 1

Checkcode: 605-161-NMY

Datafile: 120629S11

RPT: 03-Jul-2012 14:56 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.22	ND	1.07E+03	2.03
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.07E+03	1.86
PCB-105 233'44'-PeCB	32.18	J	1.0007	1.0007	0	1.56E+04	0.53	1.03	4.01	9.31E+02	2.51
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.10	ND	9.31E+02	2.48
PCB-118 23'44'5'-PeCB	31.21	J B EMPC	1.0008	1.0008	0	3.59E+04	0.76	1.03	9.14	9.31E+02	2.44
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		0.93	ND	9.31E+02	2.7
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	8.94E+02	1.93
PCB-156/157 ...-HxCB	NotFnd	C	1.0005	-		0.00E+00		1.05	ND	6.37E+02	2.26
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	6.37E+02	1.76
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	6.37E+02	1.95
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	6.97E+02	1.62
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	4.59E+02	2.36
ES PCB-1	9.83		0.7181	0.7174	-0.4	8.80E+06	3.27	1.01	63.2 %	4%	100%
ES PCB-3	11.76		0.8583	0.8582	-0.1	8.67E+06	3.30	1.05	59.9 %	11%	106%
ES PCB-4	11.96		0.8732	0.8728	-0.3	5.18E+06	1.64	0.70	54 %	14%	107%
ES PCB-15	17.07		1.2453	1.2461	+0.8	1.06E+07	1.65	1.17	66 %	19%	107%
ES PCB-19	14.66		1.0698	1.0698	0	5.42E+06	1.05	0.57	69.5 %	1%	108%
ES PCB-37	23.05		1.0865	1.0870	+0.7	8.54E+06	1.08	1.41	83.1 %	25%	123%
ES PCB-54	17.30		0.8157	0.8156	-0.1	6.87E+06	0.76	1.32	71.3 %	13%	105%
ES PCB-77	29.22		1.3777	1.3782	+0.9	8.90E+06	0.78	1.22	100 %	31%	109%
ES PCB-81	28.76		1.3557	1.3561	+0.7	8.92E+06	0.84	1.15	106 %	14%	127%
ES PCB-104	22.00		0.8147	0.8147	0	6.04E+06	1.65	1.69	55.1 %	36%	115%
ES PCB-105	32.16		1.1906	1.1908	+0.4	7.17E+06	1.53	1.21	91.6 %	50%	111%
ES PCB-114	31.63		1.1709	1.1712	+0.6	6.76E+06	1.58	1.23	84.4 %	41%	121%
ES PCB-118	31.19		1.1547	1.1548	+0.2	7.19E+06	1.60	1.25	89 %	49%	111%
ES PCB-123	30.91		1.1444	1.1446	+0.4	7.22E+06	1.60	1.33	83.8 %	49%	116%
ES PCB-126	34.78		1.2871	1.2876	+1.0	8.68E+06	1.64	1.36	98.5 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.83		0.7939	0.7937	-0.3	6.75E+06	1.31	1.40	83.2 %	25%	124%
ES PCB-156/157	37.31		1.1035	1.1037	+0.4	1.40E+07	1.26	1.13	107 %	40%	120%
ES PCB-167	36.35		1.0753	1.0754	+0.2	6.74E+06	1.31	1.13	103 %	45%	118%
ES PCB-169	40.04		1.1842	1.1845	+0.7	6.70E+06	1.28	1.14	101 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.64		0.7204	0.7201	-0.6	5.91E+06	1.07	1.34	76.3 %	23%	125%
ES PCB-189	42.17		0.9598	0.9597	-0.3	8.10E+06	1.08	1.77	89.9 %	47%	116%
ES PCB-202	36.15		0.8230	0.8228	-0.4	6.28E+06	0.90	1.27	85.5 %	31%	134%
ES PCB-205	44.33		1.0090	1.0090	0	6.69E+06	0.91	1.25	105 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.80		1.0424	1.0424	0	5.11E+06	0.78	1.07	93.8 %	38%	122%
ES PCB-208	41.77		0.9508	0.9507	-0.3	5.72E+06	0.77	1.34	83.7 %	31%	126%
ES PCB-209	47.15		1.0732	1.0732	0	5.40E+06	1.20	1.18	89.3 %	43%	115%
CS/SS PCB-28	19.66		0.9269	0.9270	+0.1	9.40E+06	1.09	0.98	112 %	14%	131%
CS/SS PCB-111	29.29		1.0843	1.0843	0	7.10E+06	1.58	0.90	110 %	57%	112%
CS/SS PCB-178	34.20		1.0118	1.0118	0	4.50E+06	1.07	0.65	118 %	57%	125%
CS PCB-28	19.66		0.9269	0.9270	+0.1	9.40E+06	1.09	1.39	93.2 %	14%	131%
CS PCB-111	29.29		1.0843	1.0843	0	7.10E+06	1.58	1.19	91.9 %	57%	112%
CS PCB-178	34.20		1.0118	1.0118	0	4.50E+06	1.07	0.87	89.8 %	57%	125%
JS PCB-9	13.70					1.37E+07	1.65				
JS PCB-52	21.21					7.28E+06	0.78				
JS PCB-101	27.01					6.49E+06	1.58				
JS PCB-138	33.80					5.78E+06	1.20				
JS PCB-194	43.94					5.11E+06	0.88				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	0	0	2.49		
						Di-CBs	0	0	32.3		
						Tri-CBs	9.58	9.58	2.93		
						Tetra-CBs	33.4	37.3	1.96		
						Penta-CBs	48.7	68.7	2.43		
						Hexa-CBs	19	45.2	1.95		
						Hepta-CBs	6.48	6.48	2.62		
						Octa-CBs	0	0	2.3		
						Nona-CBs	0	0	2.34		
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00	1.20		ND	2.34E+03	2.06
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00	1.24		ND	2.34E+03	2.67
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00	1.13		ND	2.34E+03	2.92
PCB-4 22'-DiCB	NotFnd		1.0012	-		0.00E+00	0.94		ND	1.81E+04	41
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00	1.63		ND	1.81E+04	23.8
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00	1.00		ND	1.55E+04	23.6
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00	1.17		ND	1.55E+04	20.2
PCB-6 23'-DiCB	NotFnd		1.0261	-		0.00E+00	1.07		ND	1.55E+04	22.1
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00	1.08		ND	1.55E+04	21.8
PCB-8 24'-DiCB	NotFnd		1.0533	-		0.00E+00	1.17		ND	1.55E+04	20.3
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00	1.28		ND	1.55E+04	18.5
PCB-11 33'-DiCB	NotFnd		0.9701	-		0.00E+00	1.06		ND	1.55E+04	22.4
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00	1.11		ND	1.55E+04	21.4
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00	1.01		ND	1.55E+04	23.5

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		1.01	ND	1.22E+03	3.01
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1110	-		0.00E+00		1.24	ND	1.22E+03	2.45
PCB-17 22'4-TrCB	NotFnd		1.1357	-		0.00E+00		1.03	ND	1.22E+03	2.95
PCB-27 23'6-TrCB	NotFnd		1.1479	-		0.00E+00		1.40	ND	1.22E+03	2.17
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.34	ND	1.22E+03	2.28
PCB-16 22'3-TrCB	NotFnd		1.1612	-		0.00E+00		0.81	ND	1.22E+03	3.75
PCB-32 24'6-TrCB	NotFnd		1.1923	-		0.00E+00		1.49	ND	1.22E+03	2.04
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.27	ND	1.55E+03	2.7
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.33	ND	1.55E+03	2.59
PCB-26/29 23'5/245-TrCB	NotFnd	C	0.8236	-		0.00E+00		1.34	ND	1.55E+03	2.57
PCB-25 23'4-TrCB	NotFnd		0.8315	-		0.00E+00		1.34	ND	1.55E+03	2.56
PCB-31 24'5-TrCB	19.42	J	0.8430	0.8427	-0.3	2.60E+04	1.10	1.38	4.17	1.55E+03	2.48
PCB-28/20 244'/233'-TrCB	19.68	J C	0.8542	0.8538	-0.5	3.22E+04	1.15	1.32	5.41	1.55E+03	2.59
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8612	-		0.00E+00		1.36	ND	1.55E+03	2.52
PCB-22 234'-TrCB	NotFnd		0.8766	-		0.00E+00		1.23	ND	1.55E+03	2.79
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.31	ND	1.55E+03	2.62
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.39	ND	1.55E+03	2.47
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.21	ND	1.55E+03	2.84
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00		1.19	ND	1.55E+03	2.88
PCB-37 344'-TrCB	NotFnd		1.0008	-		0.00E+00		1.20	ND	1.55E+03	2.86
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	7.42E+02	1.74
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9051	-		0.00E+00		0.76	ND	6.97E+02	1.99
PCB-45 22'36-TeCB	NotFnd		0.9304	-		0.00E+00		0.65	ND	6.97E+02	2.33
PCB-51 22'46'-TeCB	NotFnd		0.9340	-		0.00E+00		0.76	ND	6.97E+02	1.99
PCB-46 22'36'-TeCB	NotFnd		0.9429	-		0.00E+00		0.61	ND	6.97E+02	2.49
PCB-52 22'55'-TeCB	21.22		1.0010	1.0008	-0.3	3.60E+04	0.83	0.69	11	6.97E+02	2.17
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.94	ND	6.97E+02	1.6
PCB-43 22'35-TeCB	NotFnd		1.0106	-		0.00E+00		0.63	ND	6.97E+02	2.4
PCB-69/49 23'46/22'45'-TeCB	21.64	J EMPC C	1.0198	1.0207	+1.2	1.60E+04	0.97	0.88	3.84	6.97E+02	1.71
PCB-48 22'45-TeCB	NotFnd		1.0319	-		0.00E+00		0.71	ND	6.97E+02	2.12
PCB-44/47/65 ...-TeCB	22.06	J C	1.0416	1.0404	-1.6	2.86E+04	0.69	0.77	7.89	6.97E+02	1.96
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0541	-		0.00E+00		0.98	ND	6.97E+02	1.54
PCB-42 22'34'-TeCB	NotFnd		1.0612	-		0.00E+00		0.68	ND	6.97E+02	2.21
PCB-41 22'34-TeCB	NotFnd		1.0759	-		0.00E+00		0.61	ND	6.97E+02	2.49
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0806	-		0.00E+00		0.74	ND	6.97E+02	2.03
PCB-64 234'6-TeCB	NotFnd		1.0899	-		0.00E+00		1.03	ND	6.97E+02	1.46
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00		1.27	ND	1.07E+03	1.82
PCB-68 23'45'-TeCB	NotFnd		0.8379	-		0.00E+00		1.38	ND	1.07E+03	1.68
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.23	ND	1.07E+03	1.88
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.25	ND	1.07E+03	1.85
PCB-67 23'45-TeCB	NotFnd		0.8620	-		0.00E+00		1.28	ND	1.07E+03	1.8
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00		1.36	ND	1.07E+03	1.7
PCB-61/70/74/76 ...-TeCB	25.29	J C	0.8792	0.8794	+0.3	6.03E+04	0.74	1.28	10.1	1.07E+03	1.81
PCB-66 23'44'-TeCB	25.55	J	0.8888	0.8886	-0.3	2.49E+04	0.78	1.18	4.5	1.07E+03	1.97
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.25	ND	1.07E+03	1.86

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9080	-		0.00E+00		1.17	ND	1.07E+03	1.98
PCB-60 2344'-TeCB	NotFnd		0.9144	-		0.00E+00		1.25	ND	1.07E+03	1.86
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.40	ND	1.07E+03	1.66
PCB-79 33'45'-TeCB	NotFnd		0.9718	-		0.00E+00		1.32	ND	1.07E+03	1.75
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.14	ND	1.07E+03	2.03
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	7.65E+02	2.5
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.87	ND	7.65E+02	2.64
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.84	ND	9.31E+02	2.98
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.74	ND	9.31E+02	3.36
PCB-95 22'35'6'-PeCB	24.53	B	0.9082	0.9081	-0.1	3.58E+04	0.66	0.76	12.3	9.31E+02	3.26
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.81	ND	9.31E+02	3.07
PCB-102 22'456'-PeCB	NotFnd		0.9198	-		0.00E+00		0.80	ND	9.31E+02	3.11
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.77	ND	9.31E+02	3.25
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.78	ND	9.31E+02	3.22
PCB-91 22'34'6'-PeCB	NotFnd		0.9352	-		0.00E+00		0.83	ND	9.31E+02	3.01
PCB-84 22'33'6'-PeCB	NotFnd		0.9416	-		0.00E+00		0.68	ND	9.31E+02	3.67
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.71	ND	9.31E+02	3.52
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.07	ND	9.31E+02	2.33
PCB-92 22'355'-PeCB	NotFnd		0.9825	-		0.00E+00		0.75	ND	9.31E+02	3.32
PCB-113/90/101 ...-PeCB	27.03	B EMPC	0.9999	1.0009	+1.6	3.63E+04	0.51	0.87	10.9	9.31E+02	2.86
PCB-83 22'33'5'-PeCB	NotFnd		1.0150	-		0.00E+00		0.62	ND	9.31E+02	4.02
PCB-99 22'44'5'-PeCB	27.52	J	1.0190	1.0189	-0.2	1.71E+04	0.60	0.82	5.44	9.31E+02	3.03
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.00	ND	9.31E+02	2.48
PCB-108/119/86/97/125...-PeCB	27.98	J C	1.0347	1.0359	+2.0	2.90E+04	0.59	0.89	8.54	9.31E+02	2.79
PCB-117 234'56'-PeCB	NotFnd		1.0539	-		0.00E+00		0.81	ND	9.31E+02	3.06
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0566	-		0.00E+00		0.97	ND	9.31E+02	2.57
PCB-110 233'4'6'-PeCB	28.68	B	1.0615	1.0618	+0.5	6.23E+04	0.63	0.89	18.4	9.31E+02	2.8
PCB-115 2344'6'-PeCB	NotFnd		1.0644	-		0.00E+00		1.12	ND	9.31E+02	2.24
PCB-82 22'33'4'-PeCB	NotFnd		1.0711	-		0.00E+00		0.65	ND	9.31E+02	3.82
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.04	ND	9.31E+02	2.39
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.05	ND	9.31E+02	2.37
PCB-107/124 ...-PeCB	NotFnd	C	0.9909	-		0.00E+00		0.96	ND	9.31E+02	2.6
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		0.95	ND	9.31E+02	2.63
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		1.00	ND	9.31E+02	2.5
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		1.00	ND	9.31E+02	2.72
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		1.01	ND	9.31E+02	2.55
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	7.21E+02	1.84
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.96	ND	7.21E+02	2.03
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		0.97	ND	7.21E+02	2.01
PCB-136 22'33'66'-HxCB	NotFnd		1.0216	-		0.00E+00		0.90	ND	7.21E+02	2.15
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.94	ND	7.21E+02	2.07
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.71	ND	7.21E+02	2.73
PCB-151/135 ...-HxCB	NotFnd	C	1.0986	-		0.00E+00		0.70	ND	7.21E+02	2.78
PCB-154 22'44'56'-HxCB	NotFnd		1.1067	-		0.00E+00		0.77	ND	7.21E+02	2.51
PCB-144 22'345'6'-HxCB	NotFnd		1.1158	-		0.00E+00		0.70	ND	7.21E+02	2.77

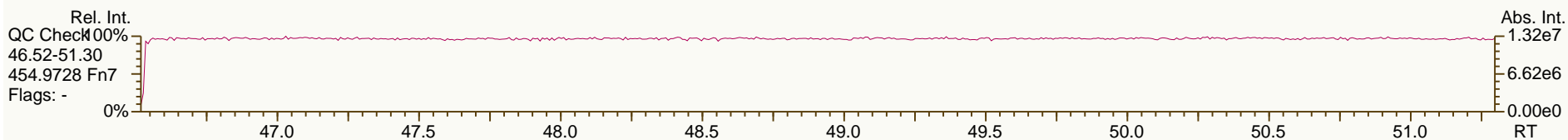
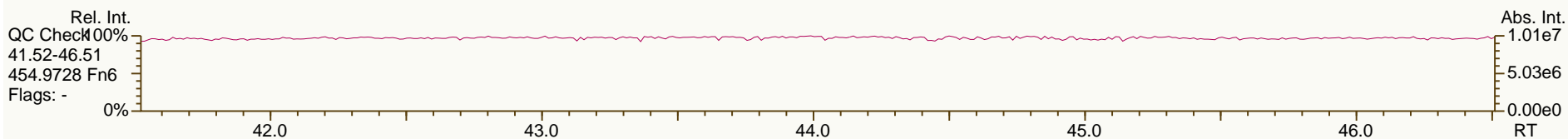
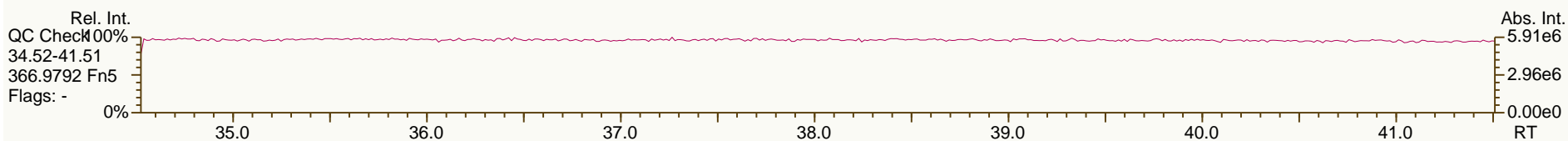
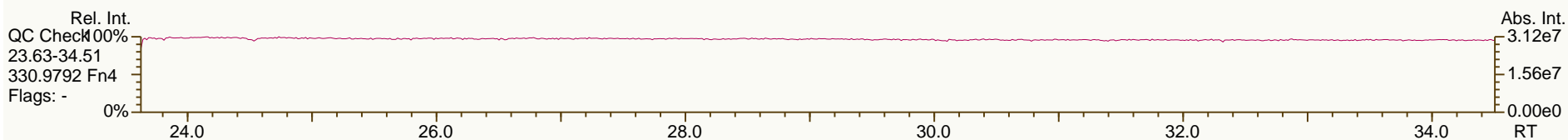
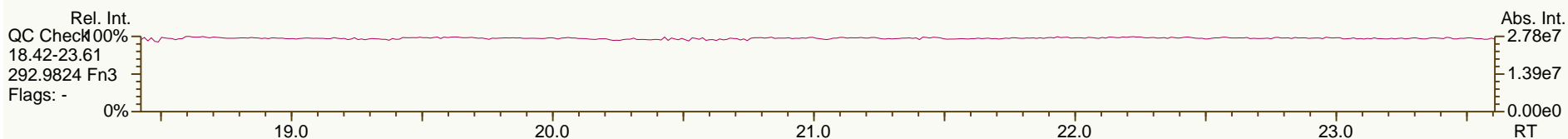
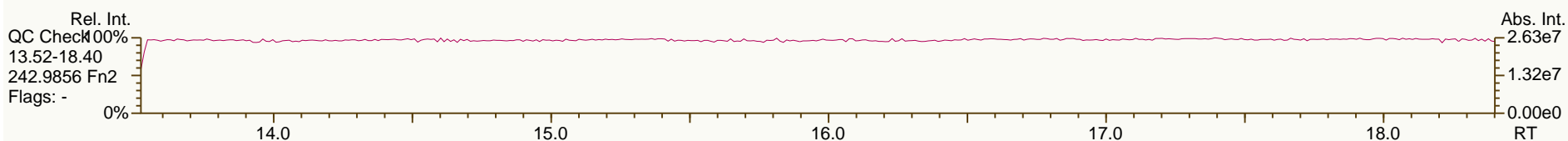
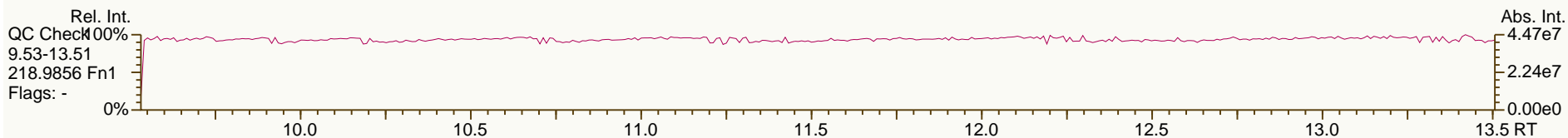
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.24	J EMPC C	1.1269	1.1270	+0.2	3.72E+04	1.57	0.71	14.7	7.21E+02	2.73
PCB-134 22'33'56"-HxCB	NotFnd		1.1326	-		0.00E+00		0.55	ND	7.21E+02	3.55
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00		0.72	ND	7.21E+02	2.72
PCB-139/140 ...-HxCB	NotFnd	C	1.1458	-		0.00E+00		0.73	ND	7.21E+02	2.66
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00		0.61	ND	7.21E+02	3.16
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.63	ND	7.21E+02	3.06
PCB-132 22'33'46"-HxCB	NotFnd		1.1655	-		0.00E+00		0.64	ND	7.21E+02	3.06
PCB-133 22'33'55"-HxCB	NotFnd		1.1826	-		0.00E+00		0.66	ND	7.21E+02	2.96
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.80	ND	7.21E+02	2.43
PCB-146 22'34'55"-HxCB	NotFnd		0.9550	-		0.00E+00		0.71	ND	7.21E+02	2.72
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.88	ND	7.21E+02	2.22
PCB-153/168 ...-HxCB	32.79	J EMPC C	0.9709	0.9701	-1.6	3.66E+04	1.48	0.89	11.6	7.21E+02	2.19
PCB-141 22'34'55"-HxCB	NotFnd		0.9746	-		0.00E+00		0.68	ND	7.21E+02	2.85
PCB-130 22'33'45"-HxCB	NotFnd		0.9847	-		0.00E+00		0.58	ND	7.21E+02	3.34
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9904	-		0.00E+00		0.73	ND	7.21E+02	2.67
PCB-164 233'4'5'6"-HxCB	NotFnd		0.9930	-		0.00E+00		0.85	ND	7.21E+02	2.28
PCB-163/138/129 ...-HxCB	33.83	J C	1.0012	1.0009	-0.6	4.89E+04	1.12	0.72	19	7.21E+02	2.68
PCB-160 233'45'6"-HxCB	NotFnd		1.0049	-		0.00E+00		0.84	ND	7.21E+02	2.32
PCB-158 233'44'6"-HxCB	NotFnd		1.0106	-		0.00E+00		0.94	ND	7.21E+02	2.07
PCB-128/166 ...-HxCB	NotFnd	C	0.9593	-		0.00E+00		0.95	ND	6.37E+02	2.01
PCB-159 233'45'5"-HxCB	NotFnd		0.9830	-		0.00E+00		1.07	ND	6.37E+02	1.77
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.09	ND	6.37E+02	1.74
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	7.58E+02	2.3
PCB-179 22'33'566"-HpCB	NotFnd		1.0089	-		0.00E+00		0.97	ND	7.58E+02	2.52
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00		0.96	ND	7.58E+02	2.56
PCB-176 22'33'466"-HpCB	NotFnd		1.0324	-		0.00E+00		1.07	ND	7.58E+02	2.29
PCB-186 22'34'566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.00	ND	7.58E+02	2.46
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0816	-		0.00E+00		0.73	ND	7.58E+02	3.38
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00		0.77	ND	8.07E+02	3.39
PCB-187 22'34'55'6"-HpCB	NotFnd		1.1057	-		0.00E+00		0.79	ND	8.07E+02	3.31
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.81	ND	8.07E+02	3.24
PCB-183 22'34'4'5'6"-HpCB	NotFnd		1.1219	-		0.00E+00		0.91	ND	8.07E+02	2.88
PCB-185 22'34'55'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.72	ND	8.07E+02	3.64
PCB-174 22'33'456"-HpCB	NotFnd		1.1276	-		0.00E+00		0.65	ND	8.07E+02	4
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1393	-		0.00E+00		0.67	ND	8.07E+02	3.91
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.79	ND	8.07E+02	3.32
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00		0.70	ND	8.07E+02	3.75
PCB-172 22'33'455"-HpCB	NotFnd		0.9003	-		0.00E+00		0.66	ND	8.07E+02	3.16
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.85	ND	8.07E+02	2.46
PCB-180/193 ...-HpCB	38.51	J C	0.9127	0.9133	+1.4	2.33E+04	1.13	0.84	6.48	8.07E+02	2.48
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00		0.89	ND	8.07E+02	2.35
PCB-170 22'33'44'5"-HpCB	NotFnd		0.9380	-		0.00E+00		0.70	ND	8.07E+02	3
PCB-190 233'44'56"-HpCB	NotFnd		0.9486	-		0.00E+00		0.91	ND	8.07E+02	2.31
PCB-202 22'33'55'66"-OocCB	NotFnd		1.0006	-		0.00E+00		0.83	ND	6.94E+02	2.99
PCB-201 22'33'45'66"-OocCB	NotFnd		1.0221	-		0.00E+00		0.94	ND	6.94E+02	2.62

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.89	ND	6.94E+02	2.77
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		0.92	ND	6.94E+02	2.67
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.94	ND	6.94E+02	2.62
PCB-198/199 ...-OcCB	NotFnd	C	1.1102	-		0.00E+00		0.67	ND	6.94E+02	3.69
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1260	-		0.00E+00		0.70	ND	6.94E+02	3.51
PCB-203 22'344'55'6-OcCB	NotFnd		1.1306	-		0.00E+00		0.74	ND	6.94E+02	3.33
PCB-195 22'33'44'56-OcCB	NotFnd		0.9469	-		0.00E+00		0.69	ND	5.82E+02	2.55
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9915	-		0.00E+00		0.74	ND	5.82E+02	2.37
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	5.82E+02	1.61
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.98	ND	5.22E+02	2.28
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		0.99	ND	5.22E+02	2.26
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.93	ND	5.22E+02	2.39

AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

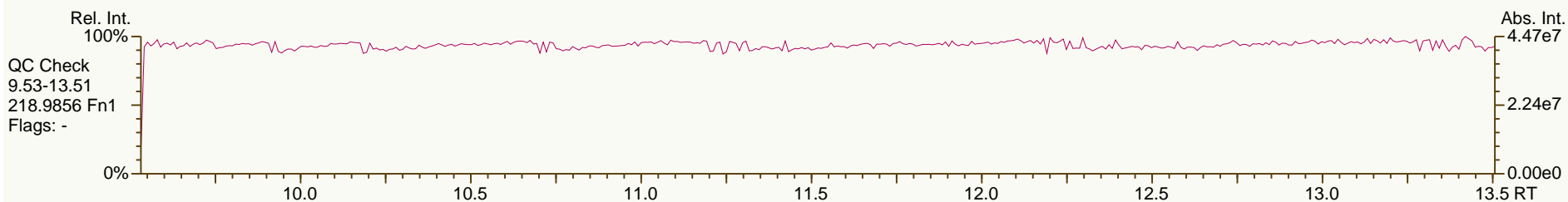
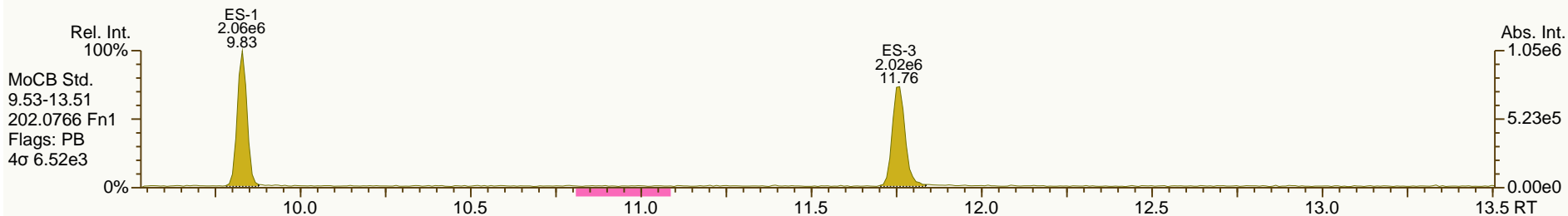
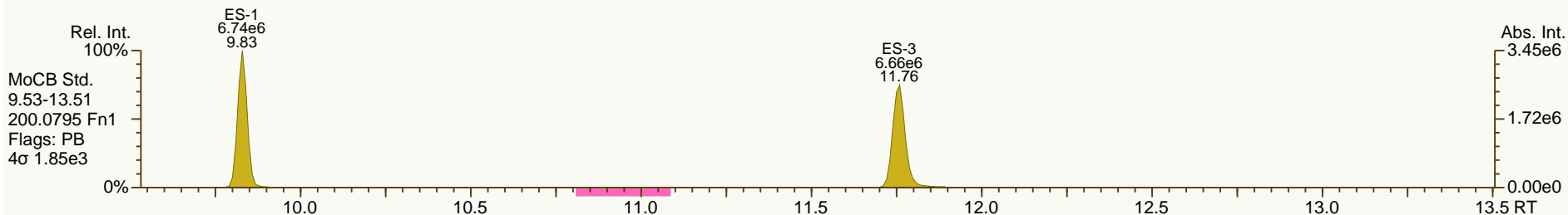
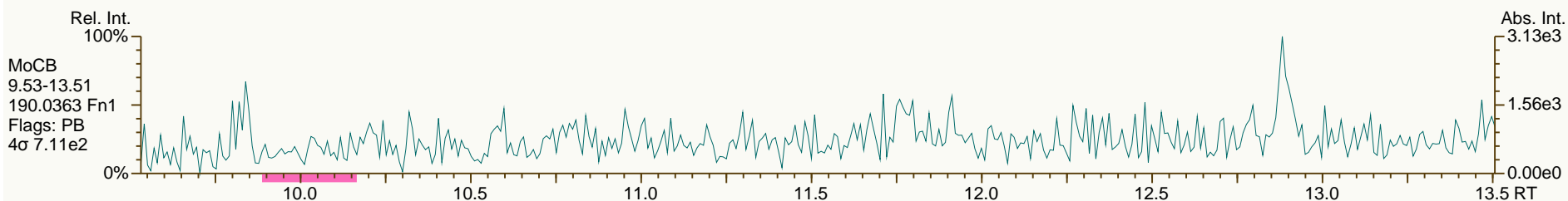
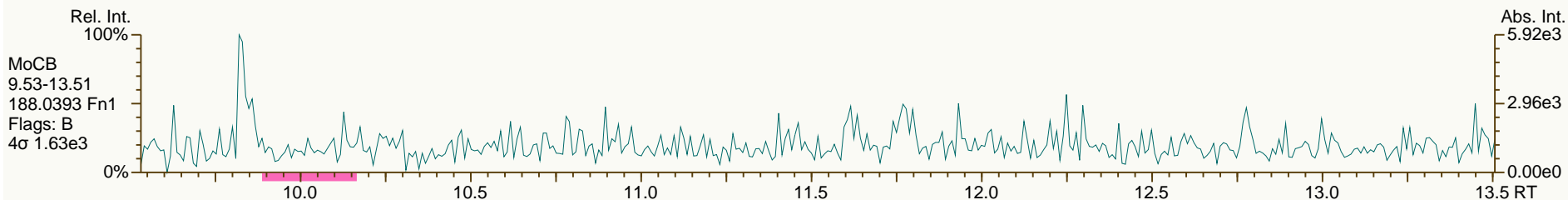
Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

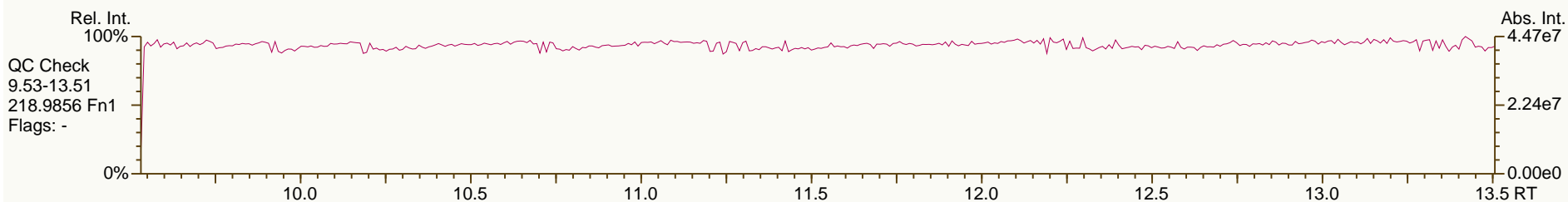
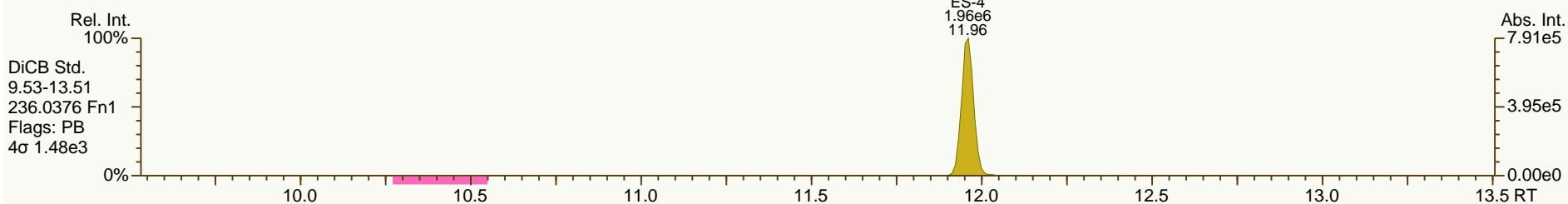
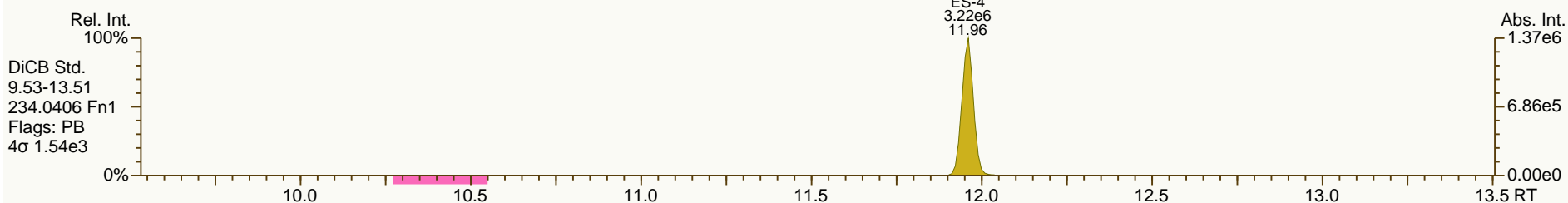
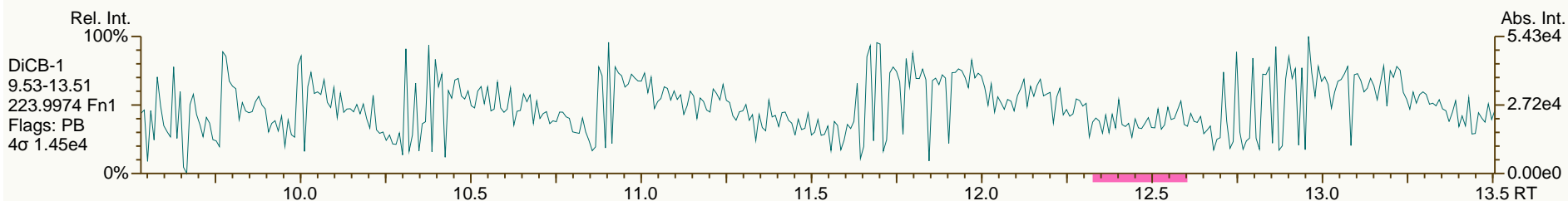
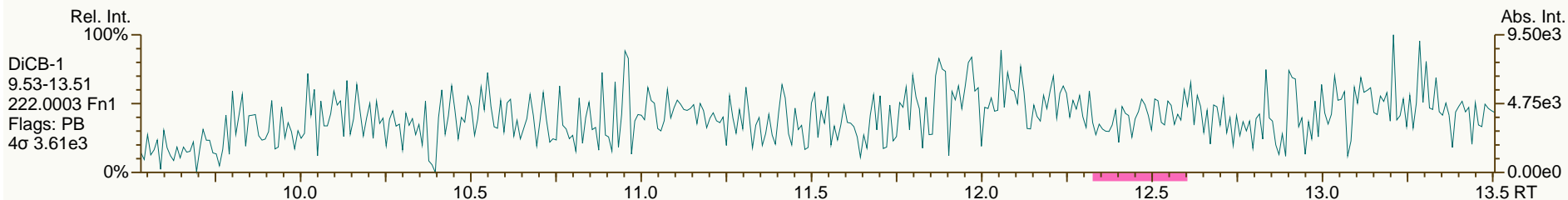
Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

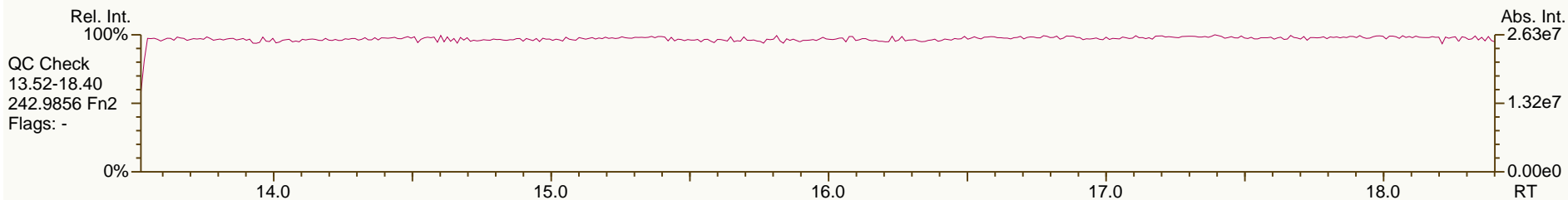
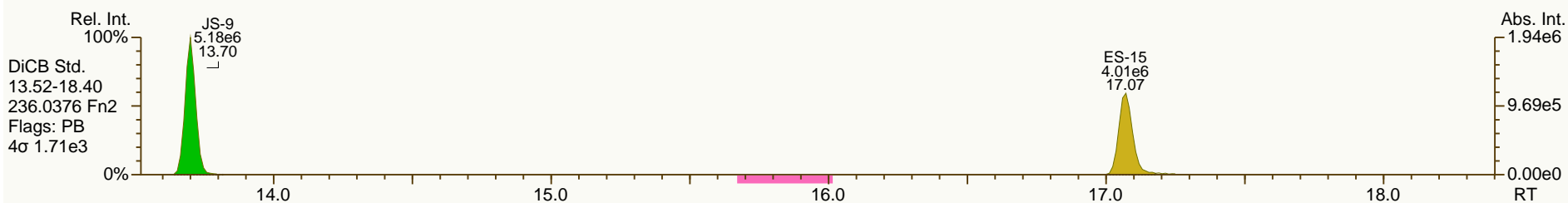
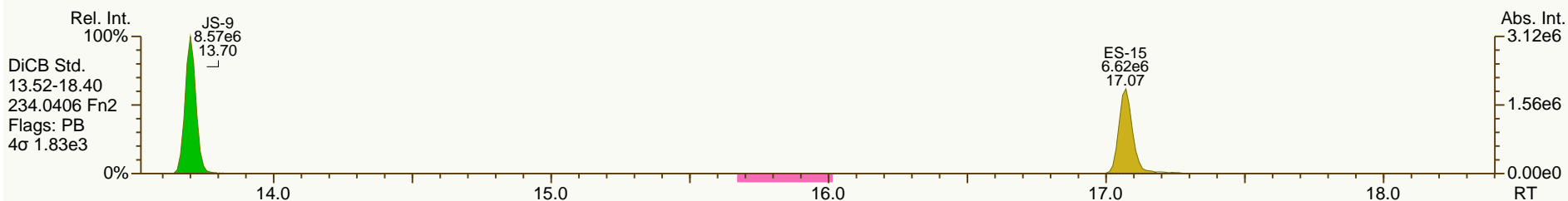
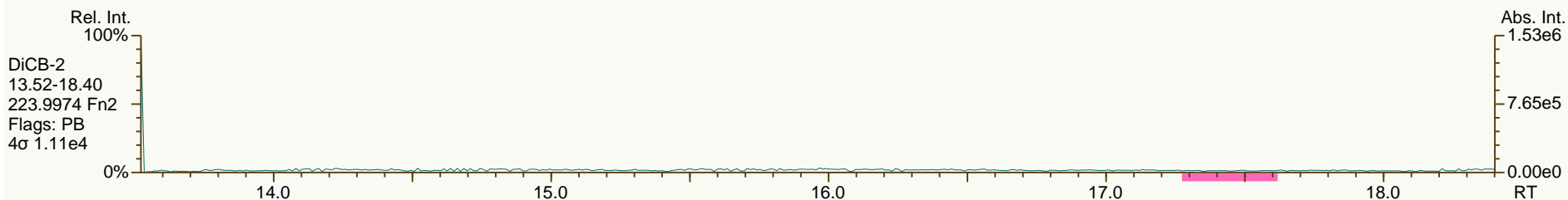
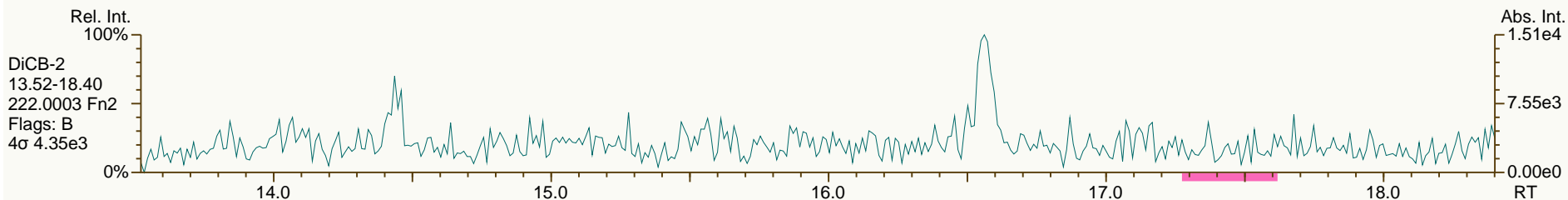
Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

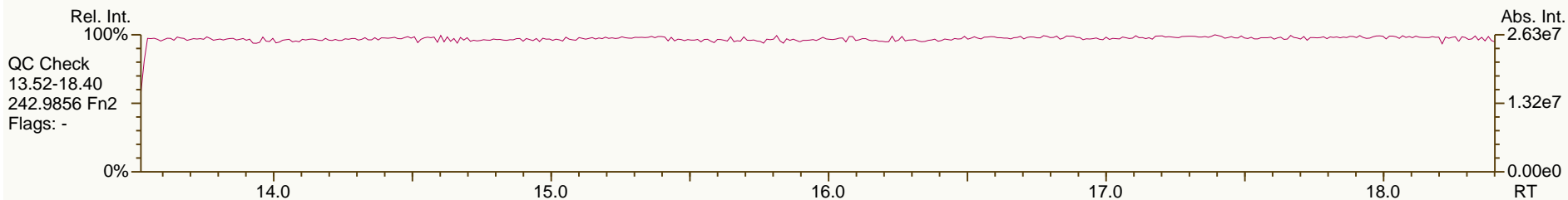
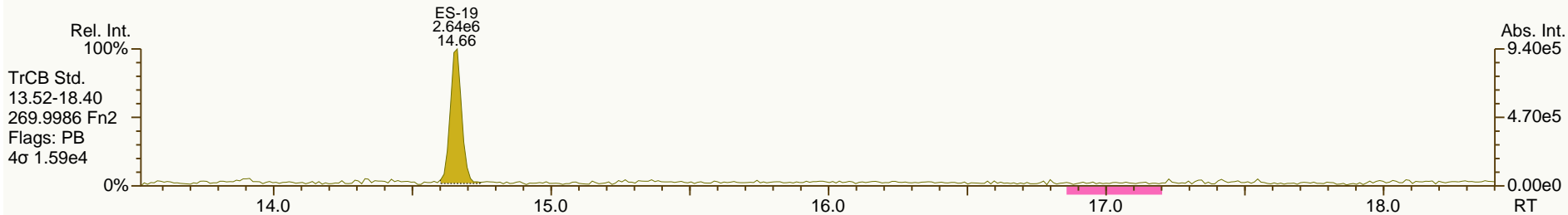
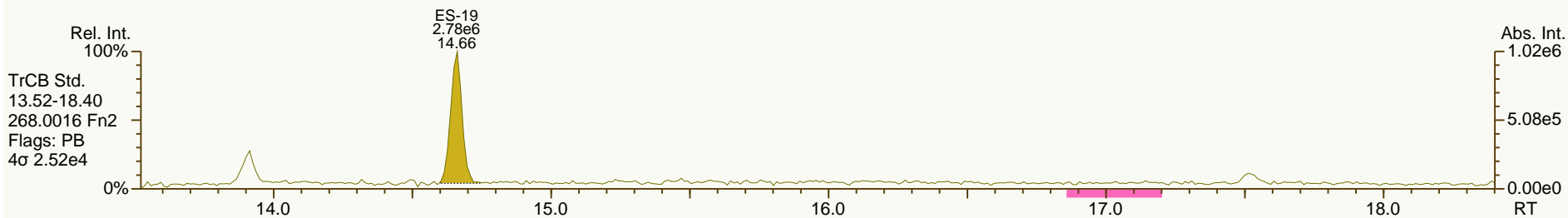
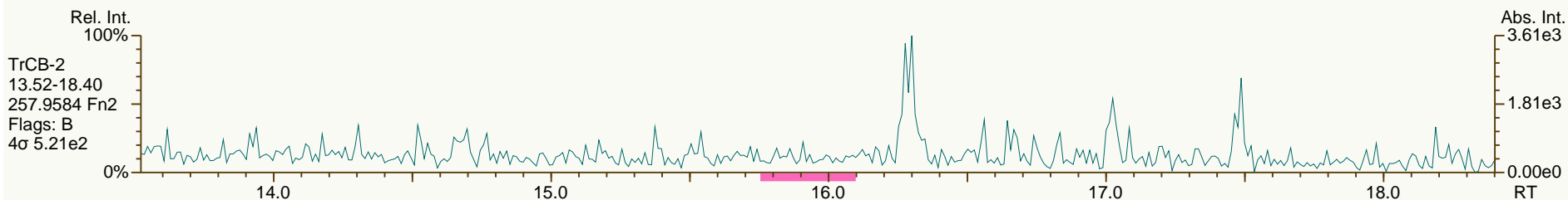
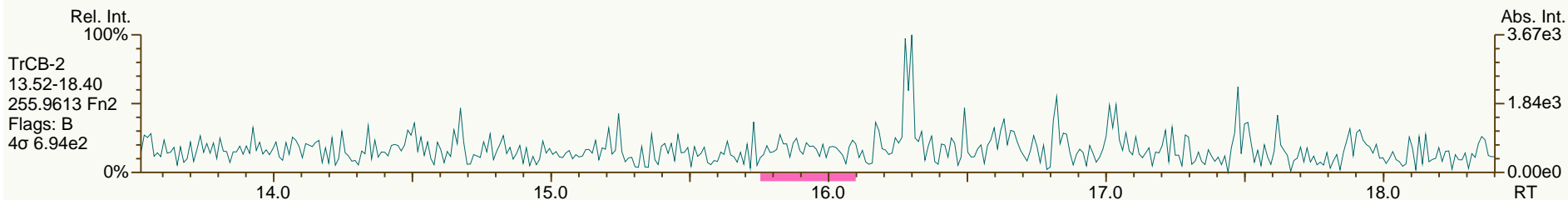
Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

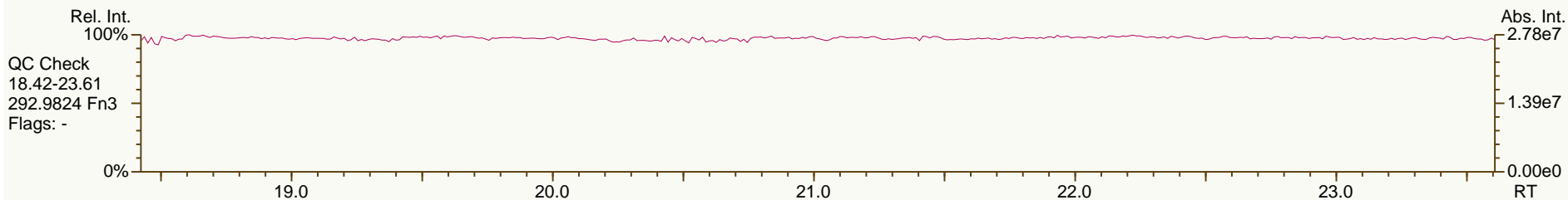
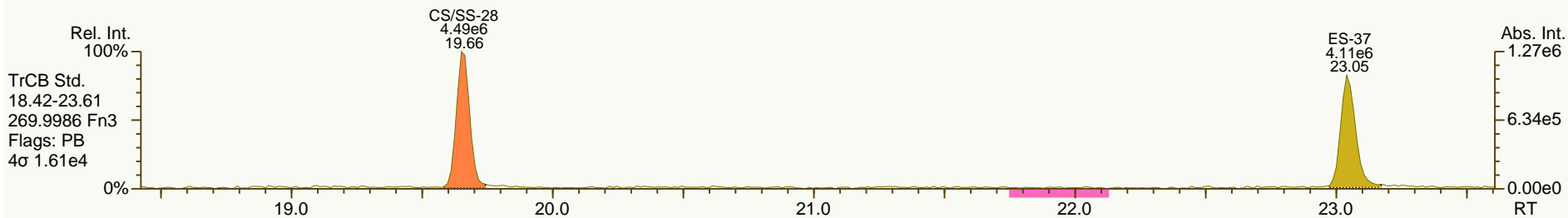
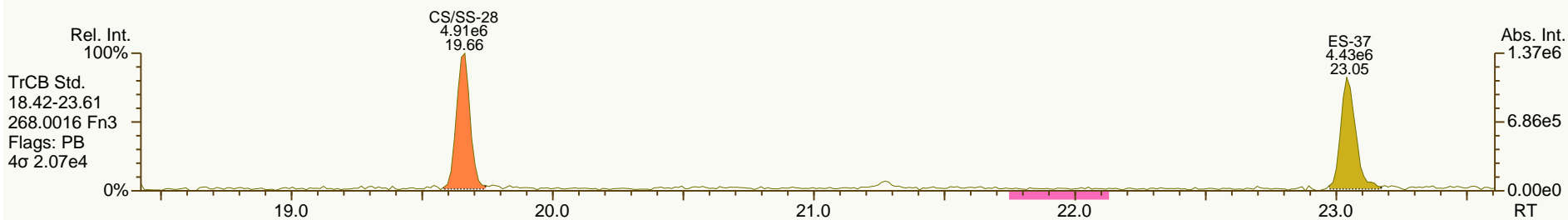
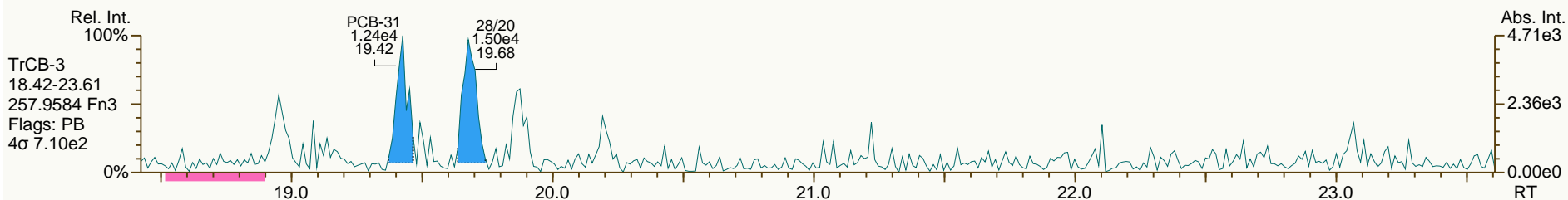
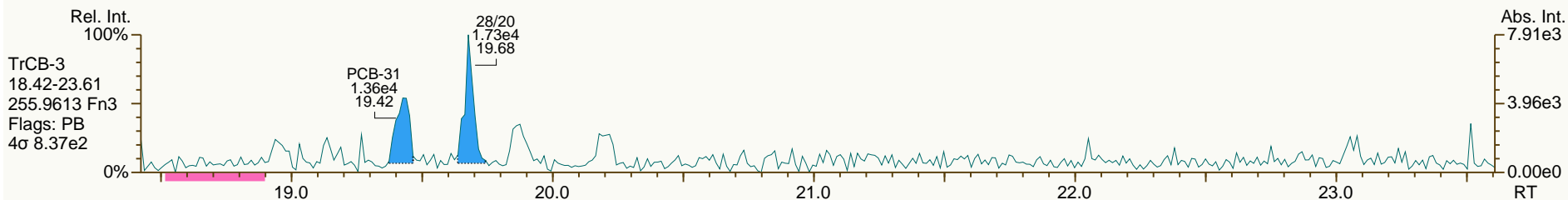
Acq: 29-Jun-2012 18:29:41
 User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

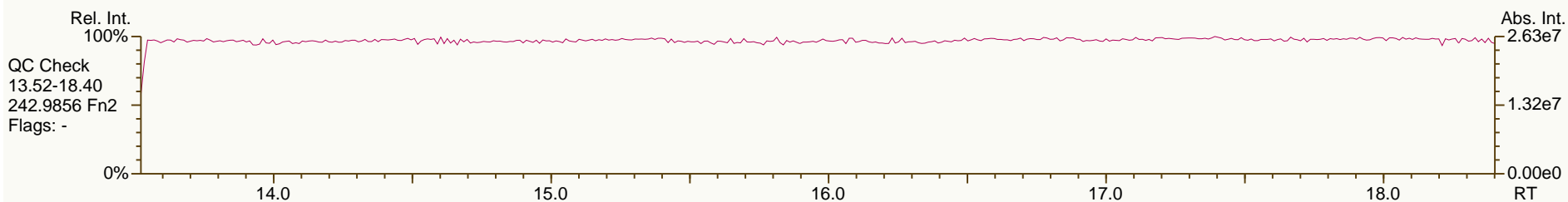
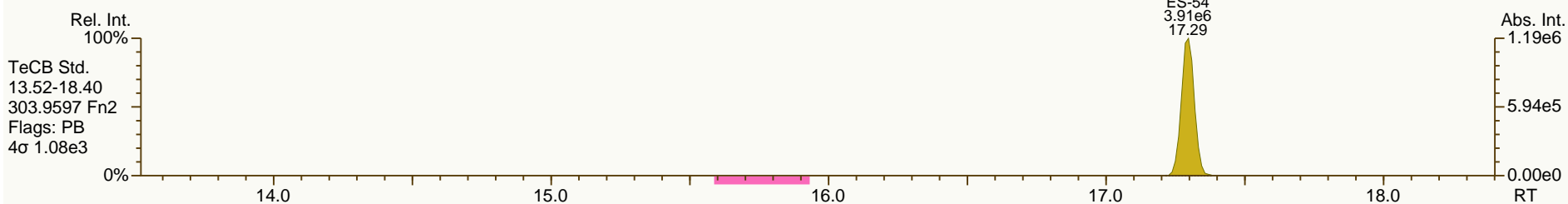
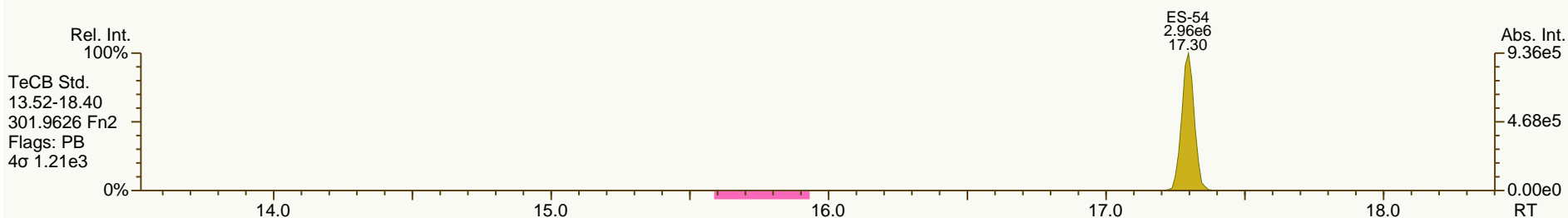
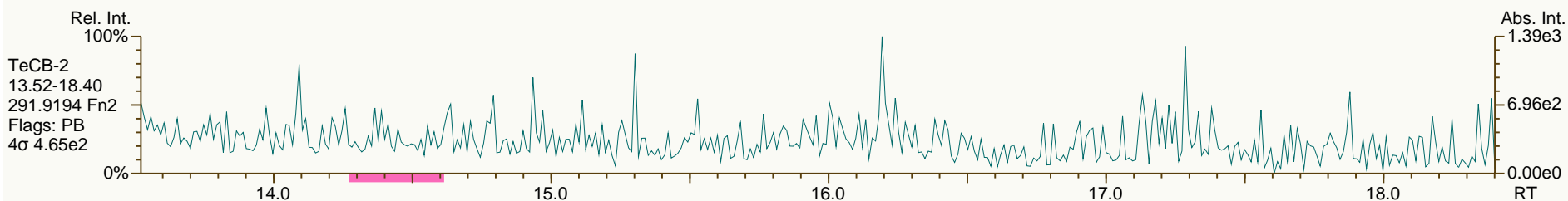
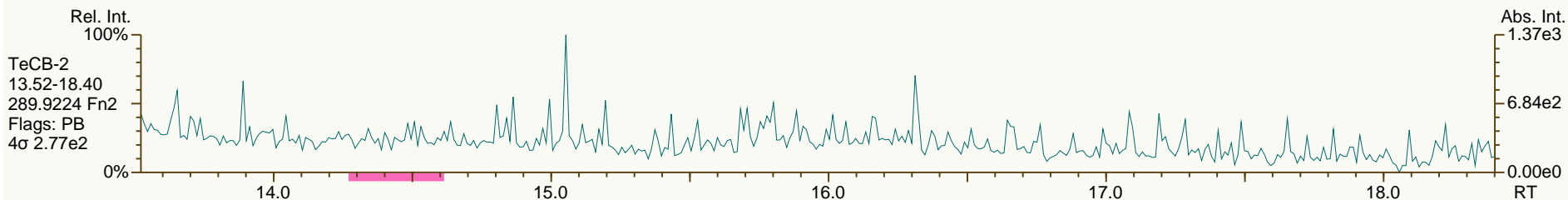
Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

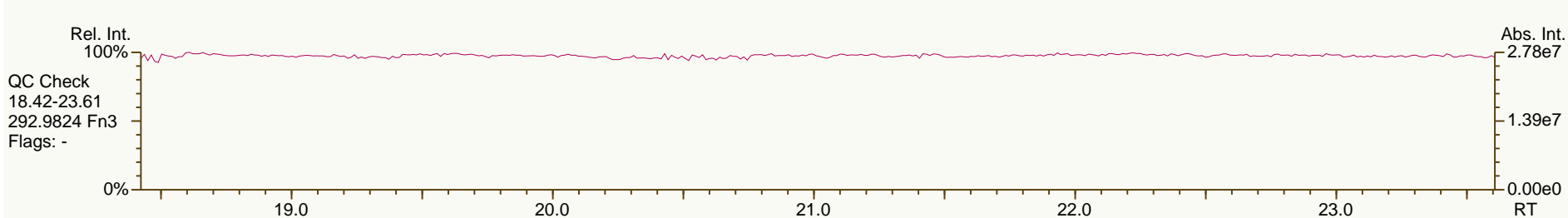
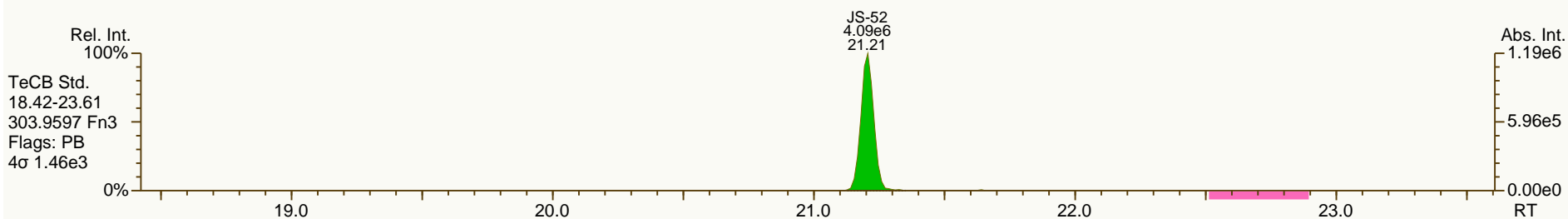
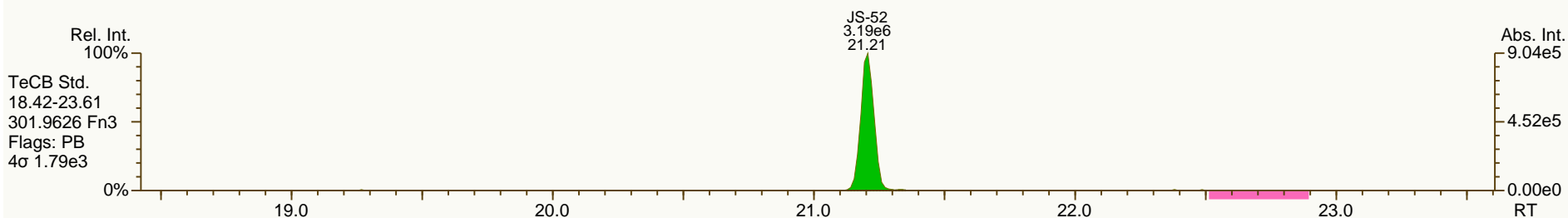
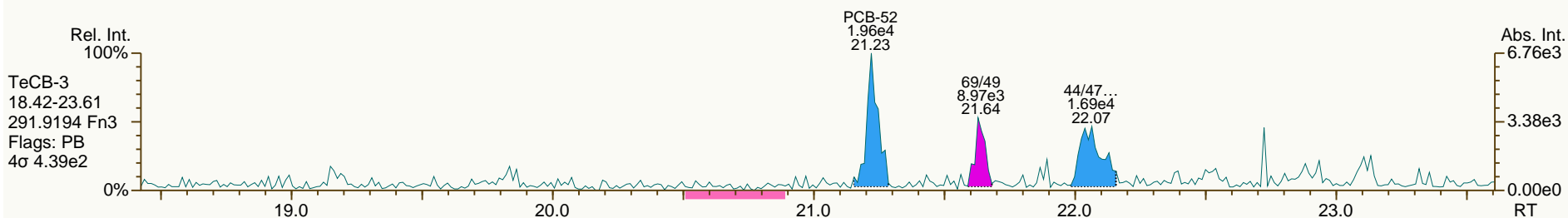
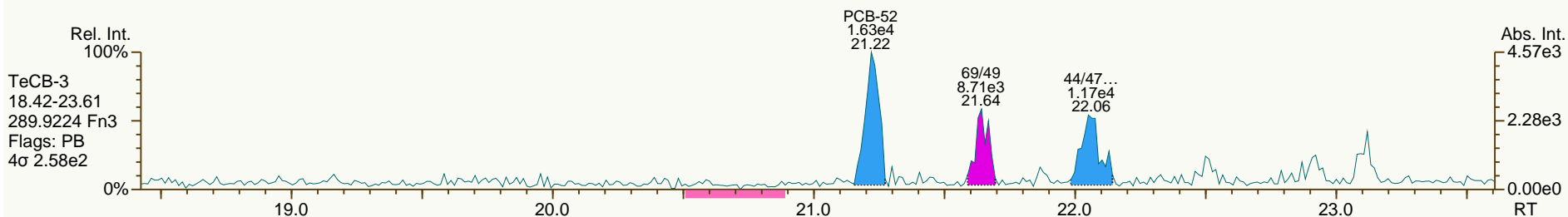
Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

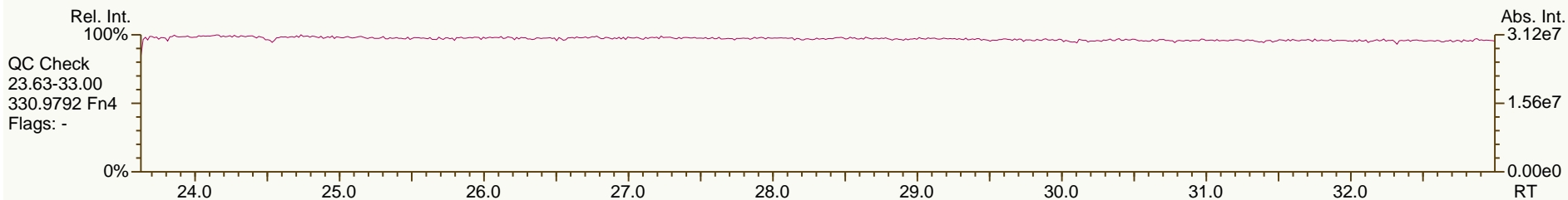
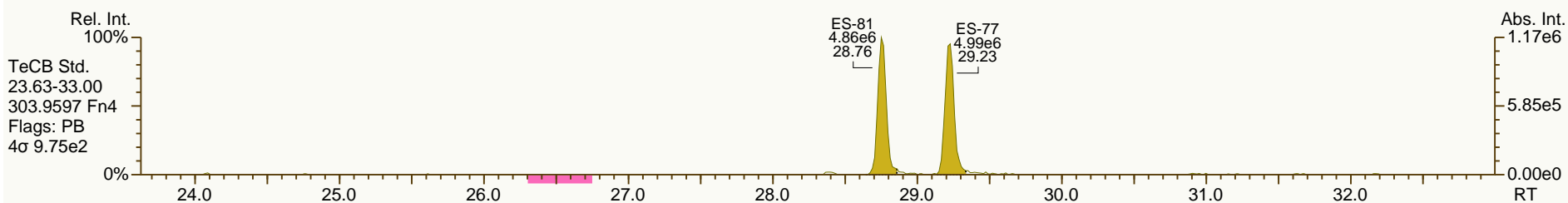
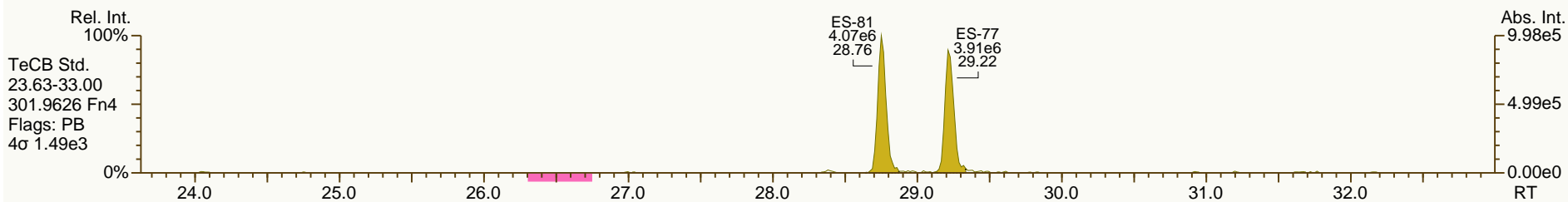
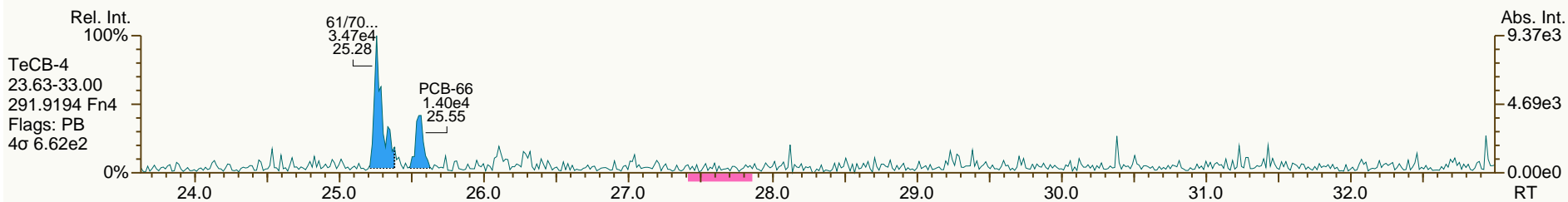
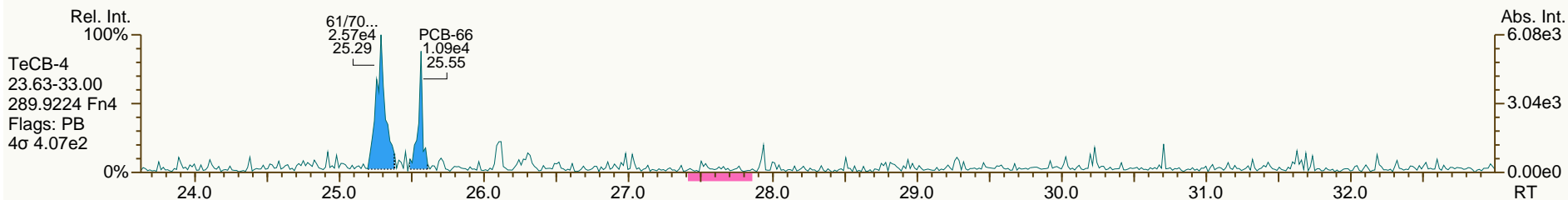
Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

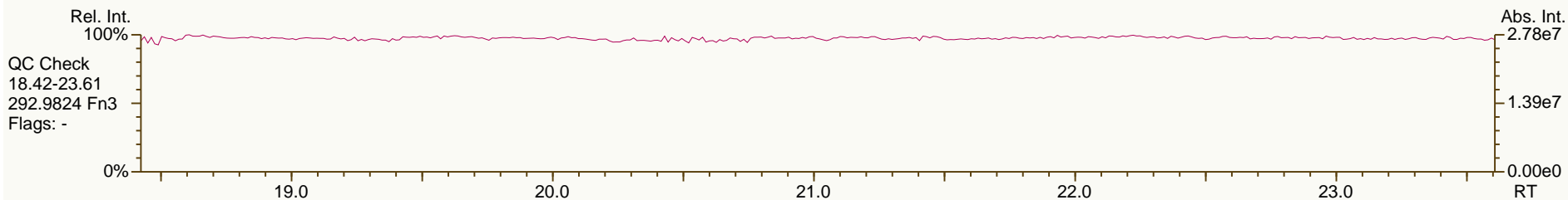
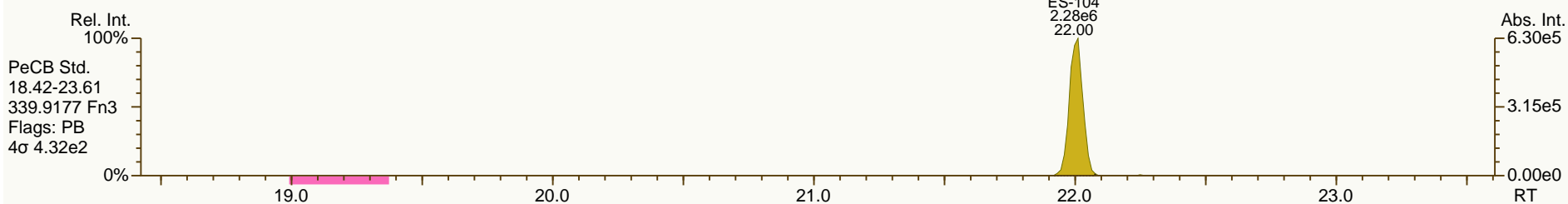
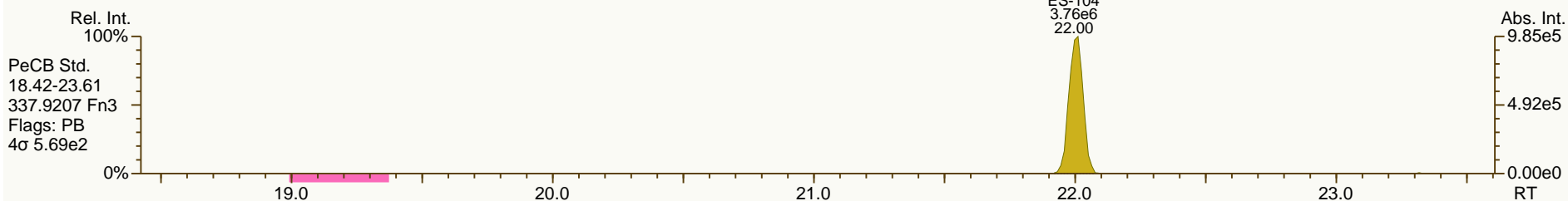
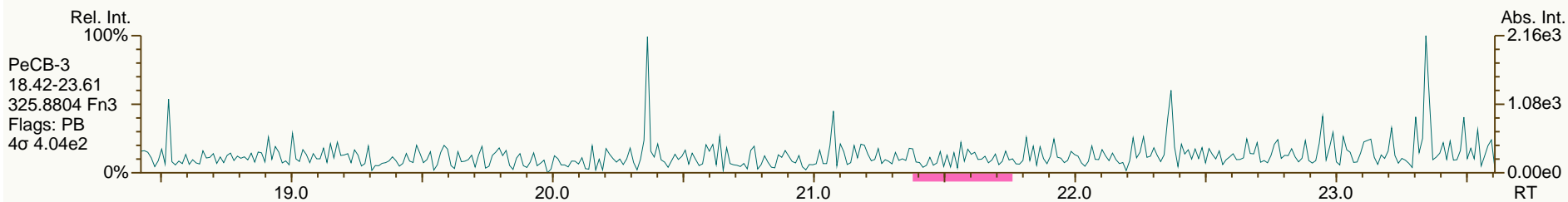
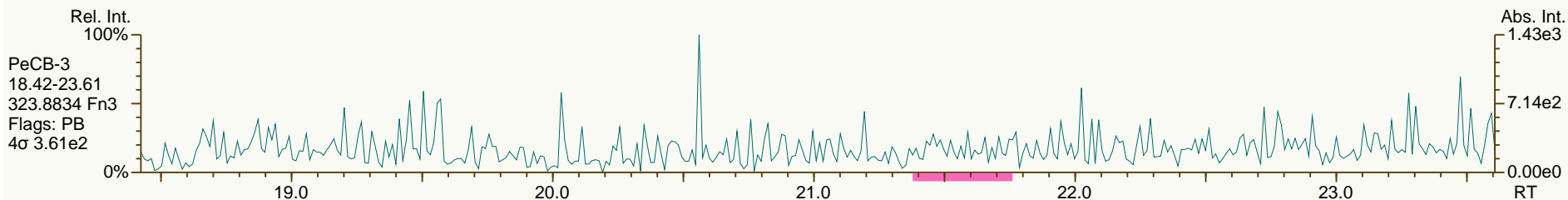
Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

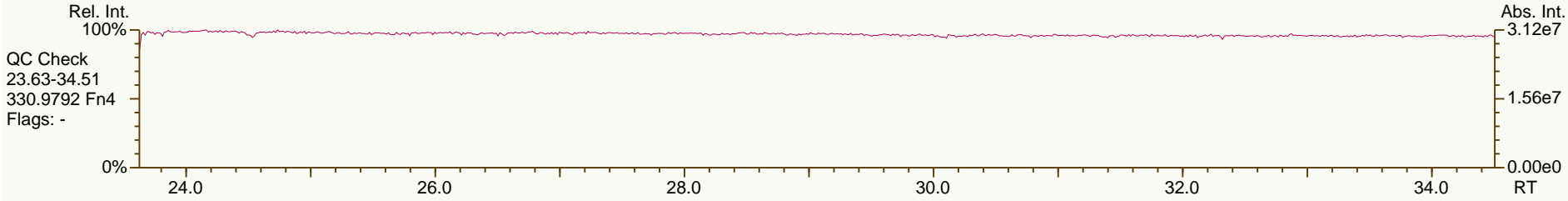
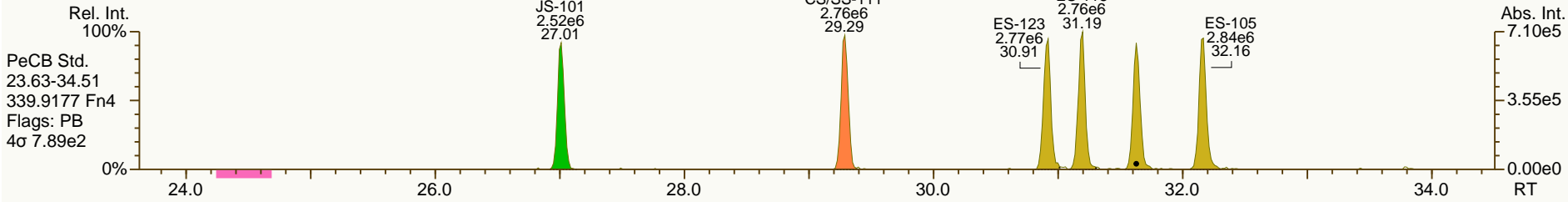
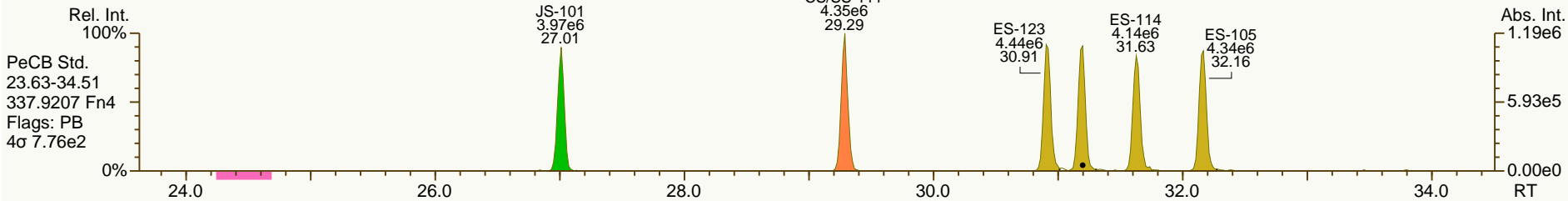
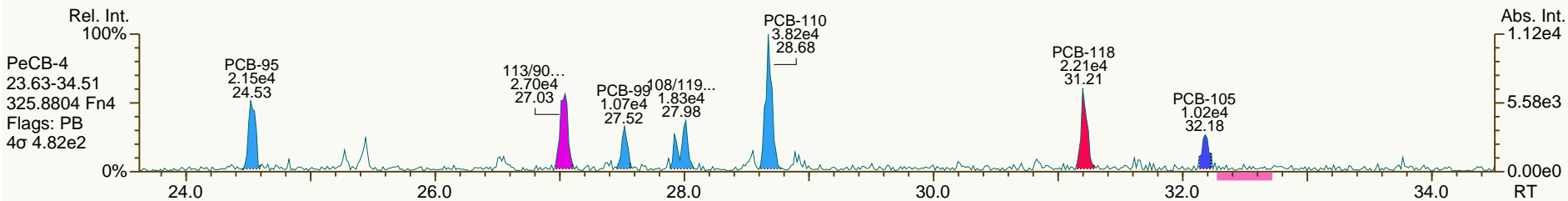
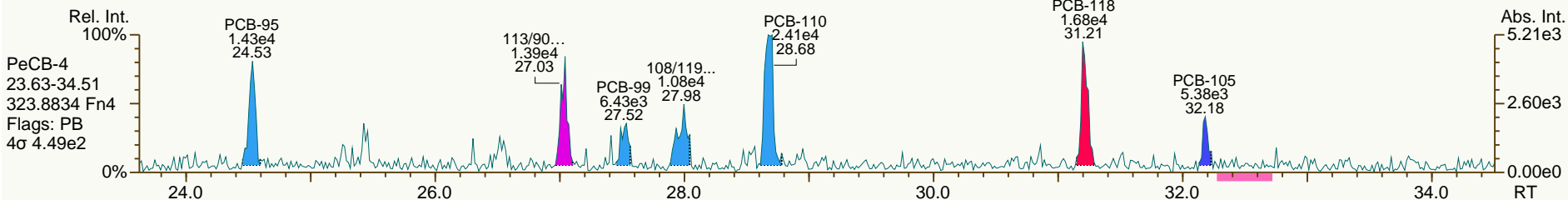
Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

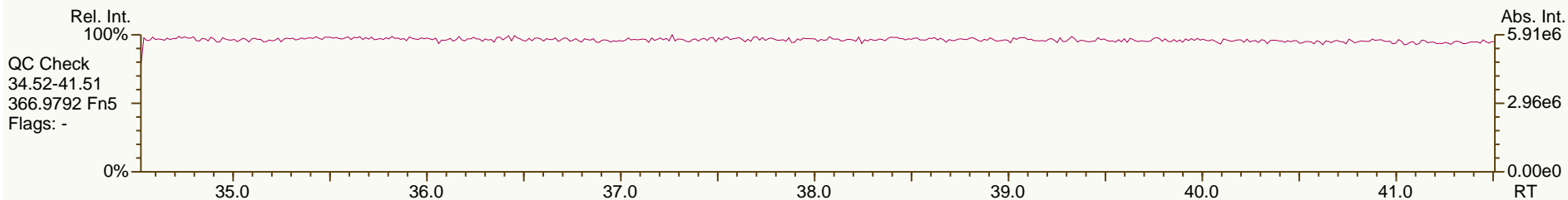
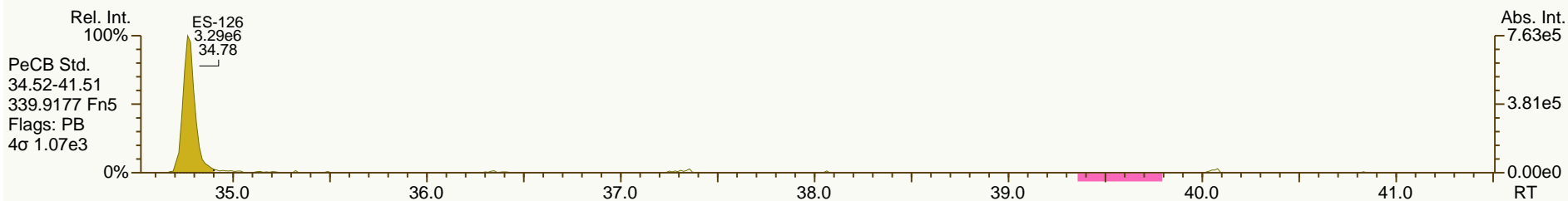
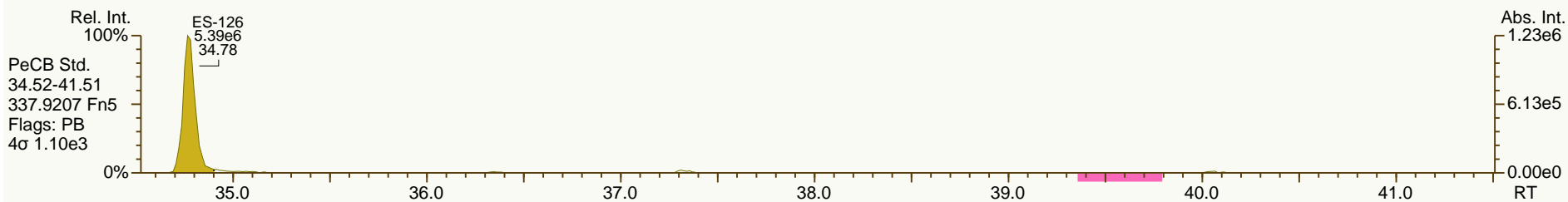
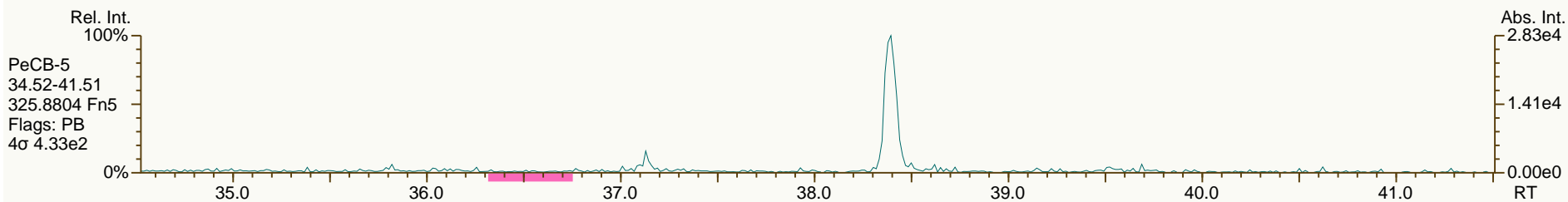
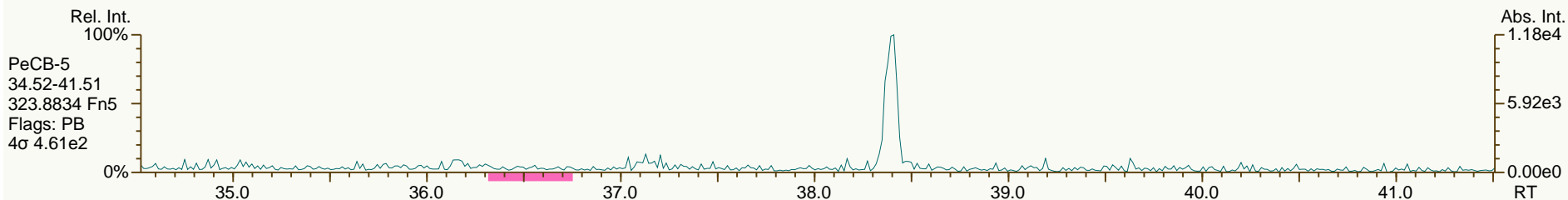
Acq: 29-Jun-2012 18:29:41
 User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

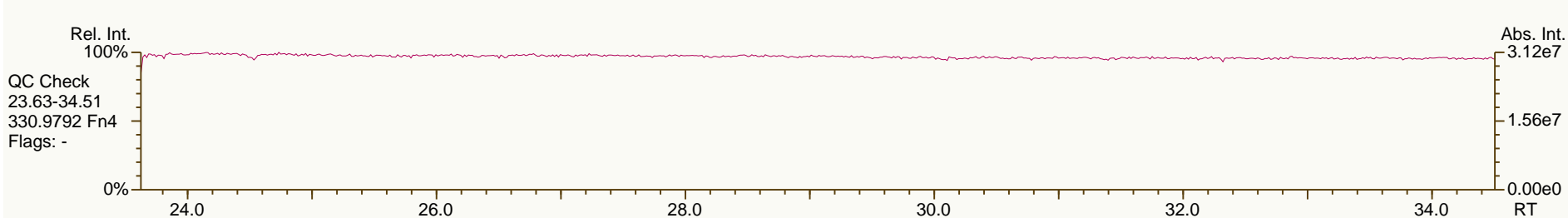
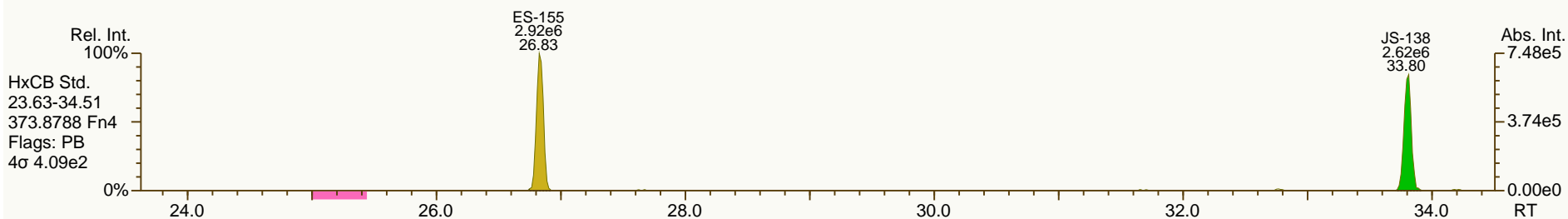
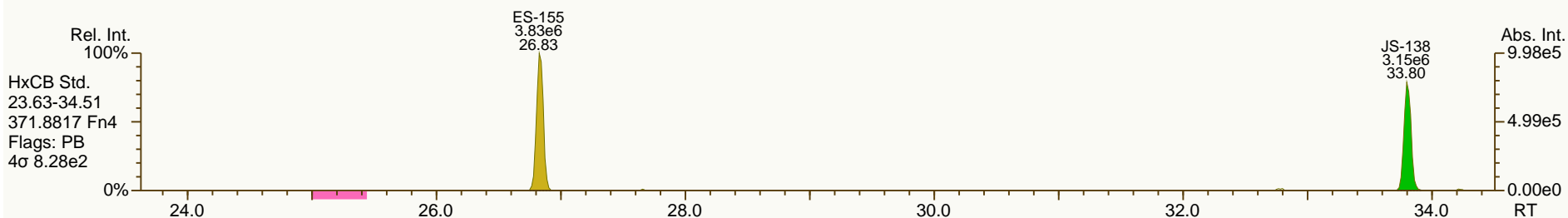
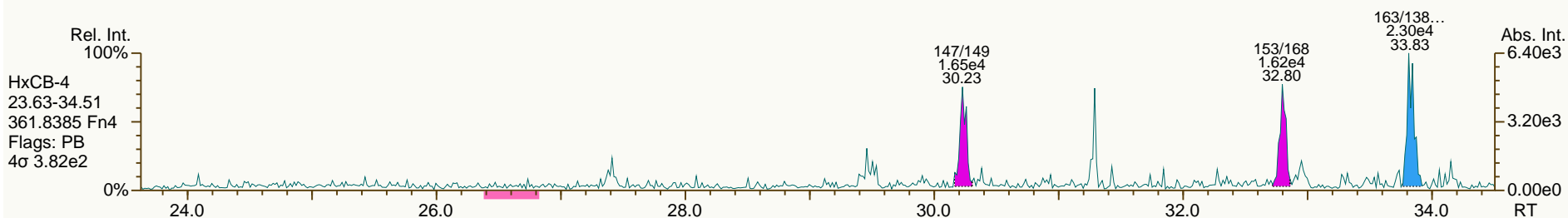
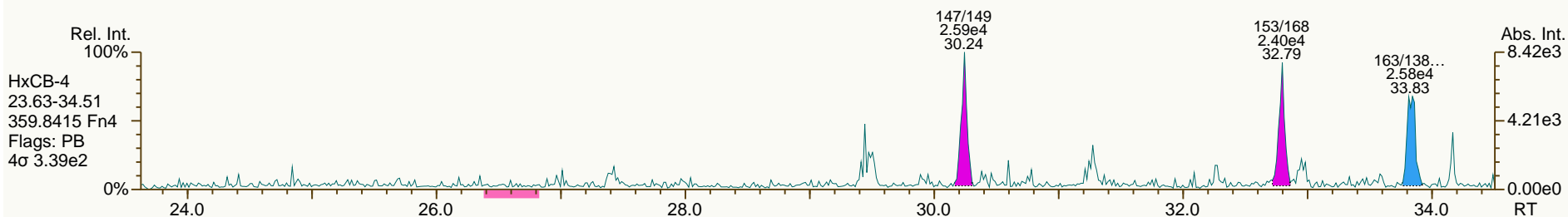
Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

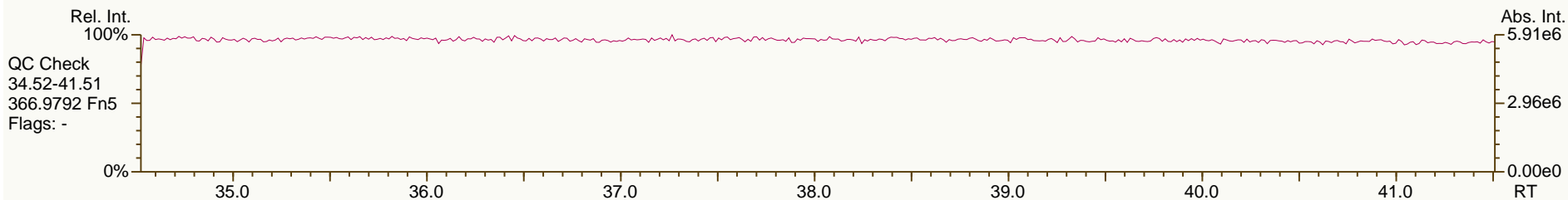
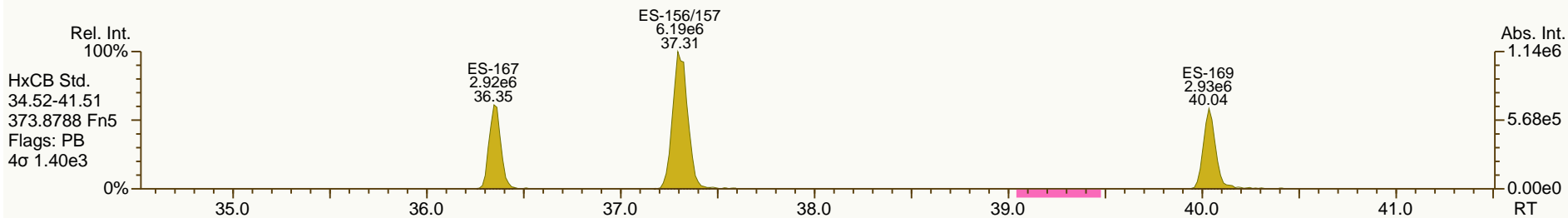
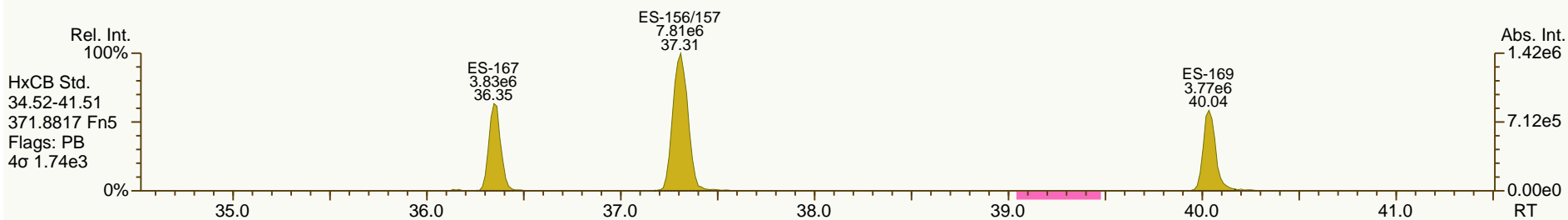
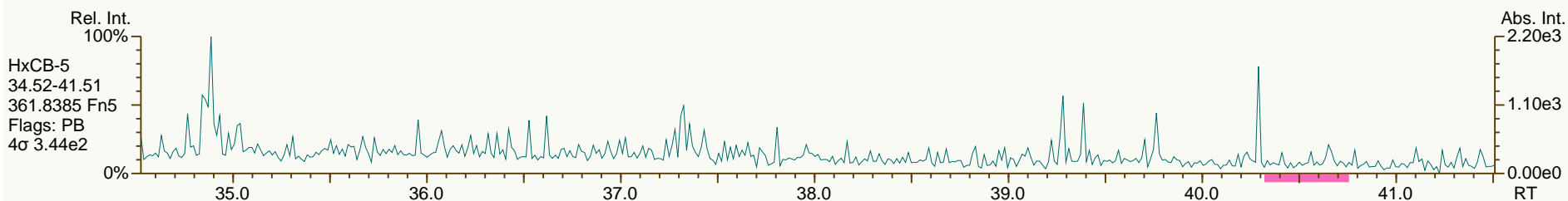
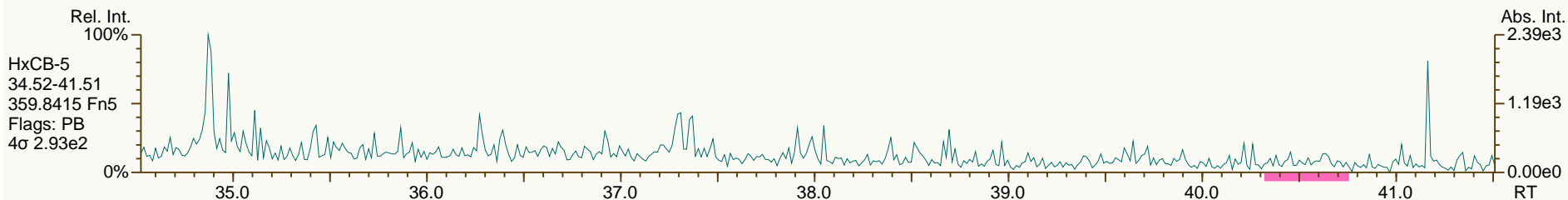
Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

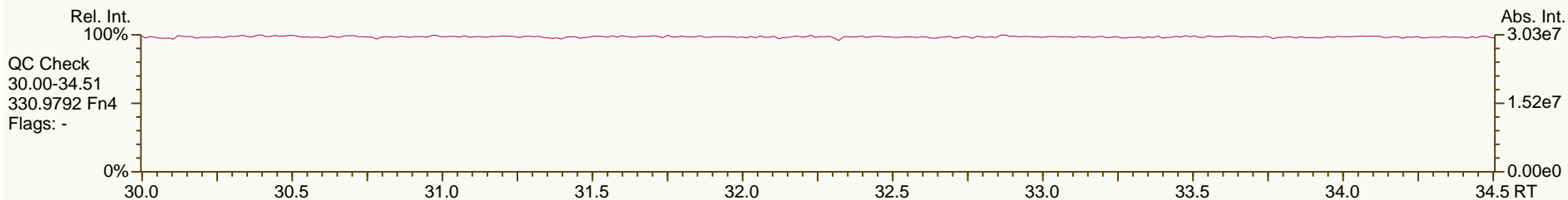
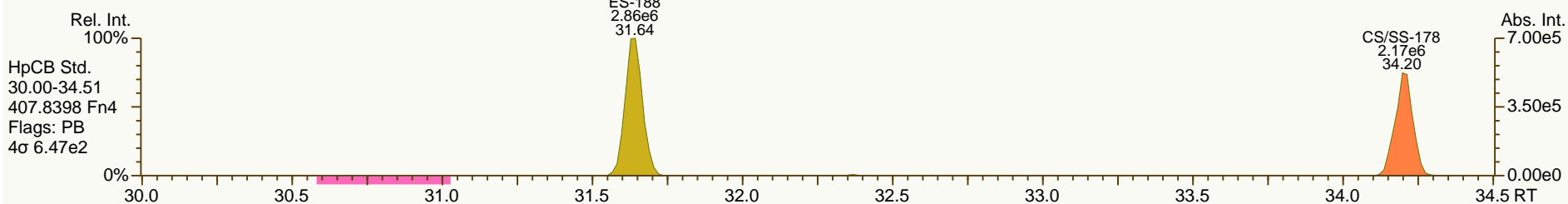
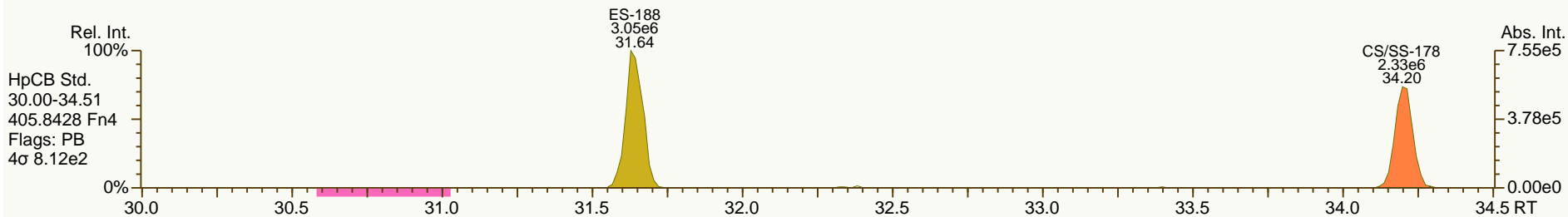
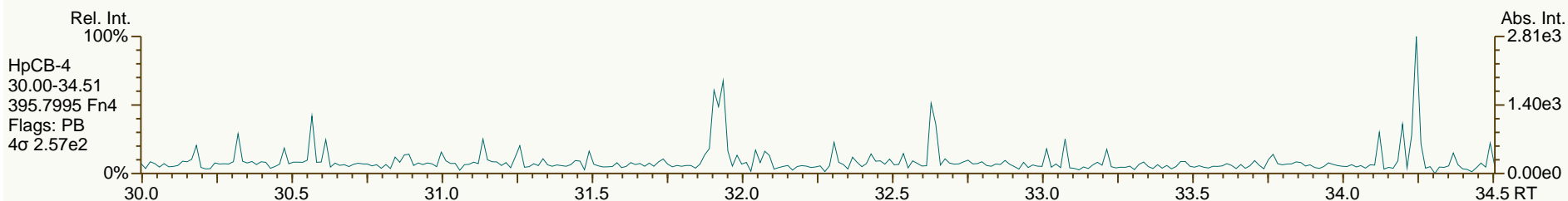
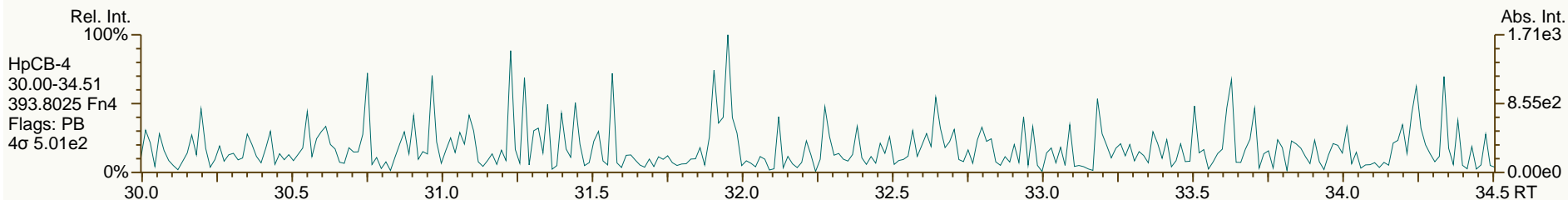
Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

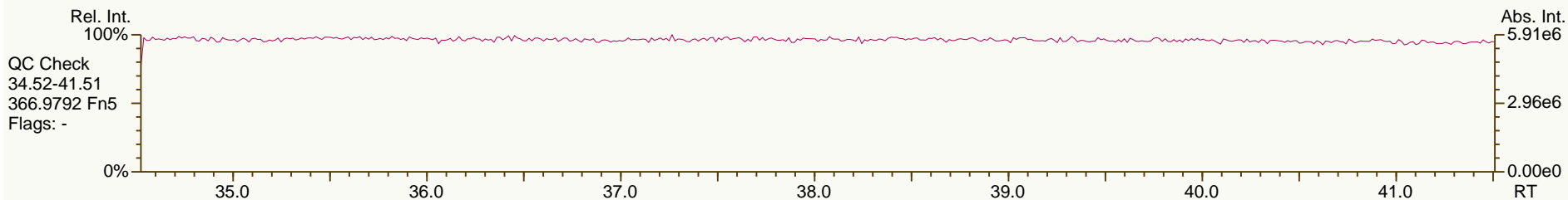
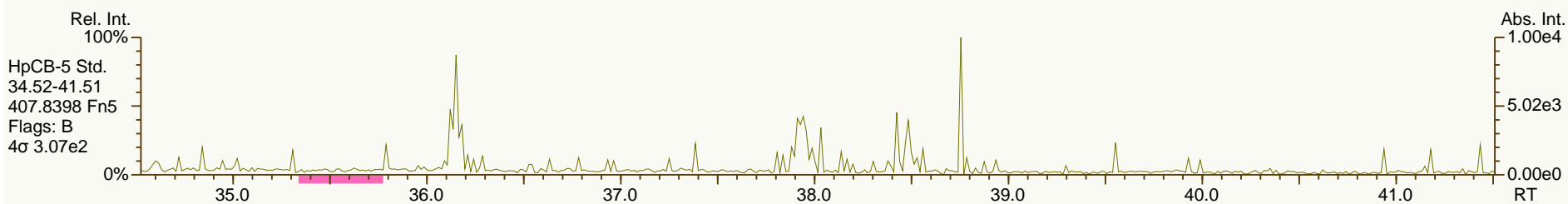
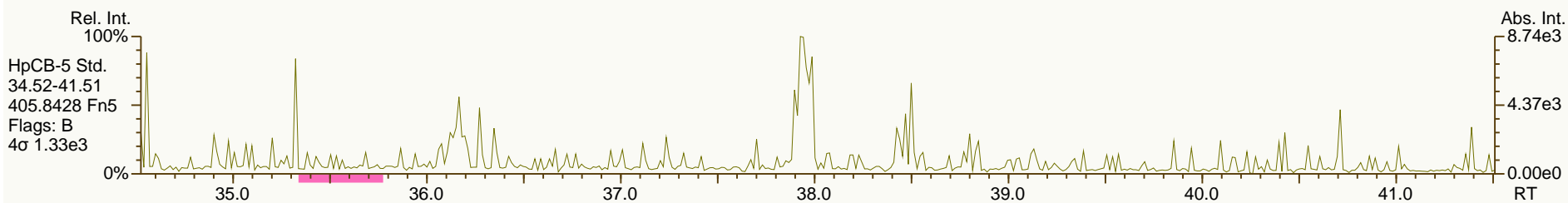
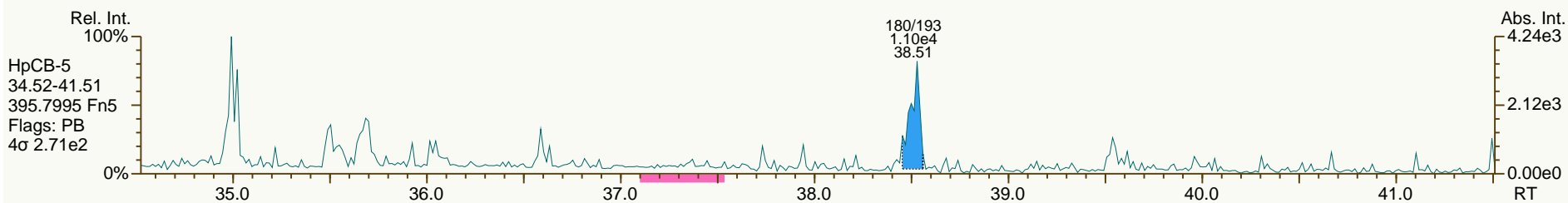
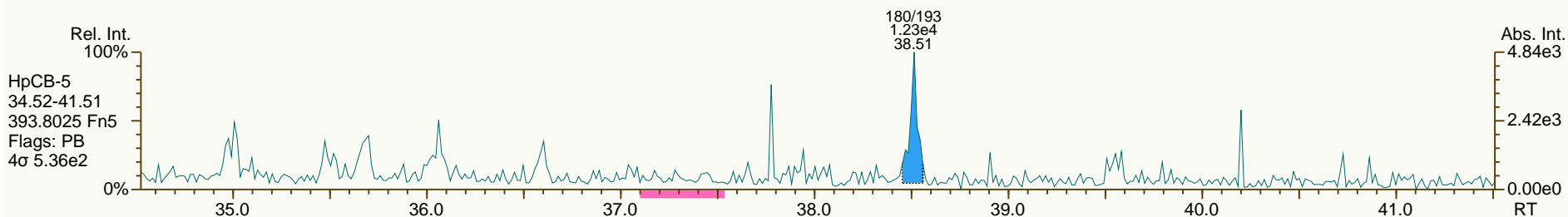
Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

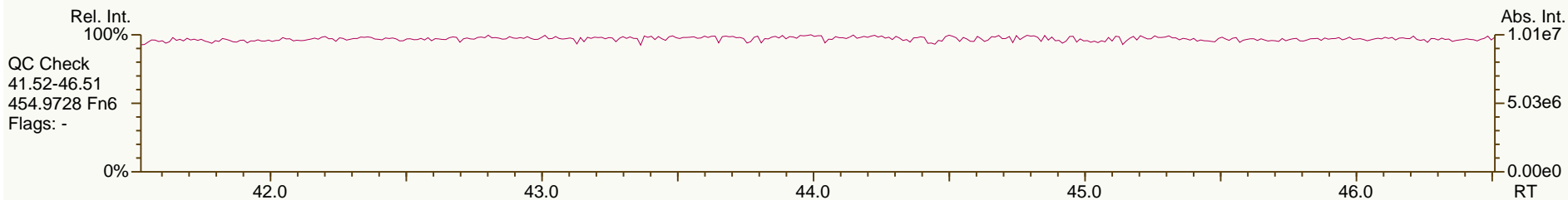
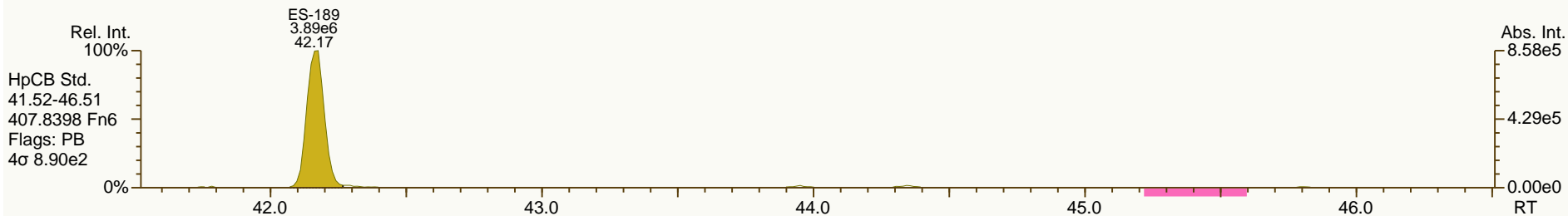
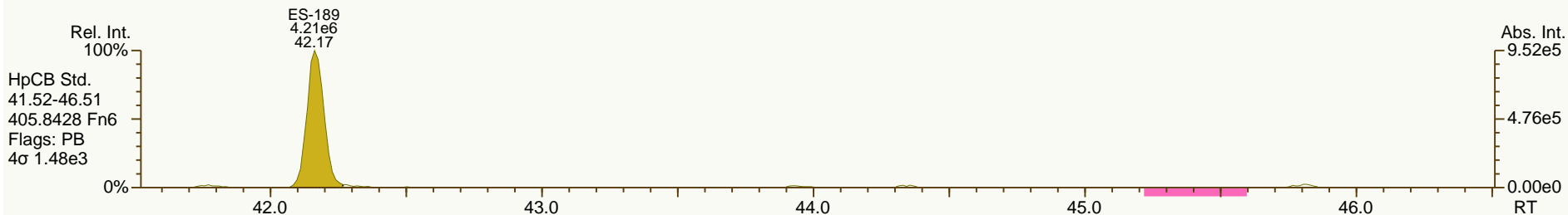
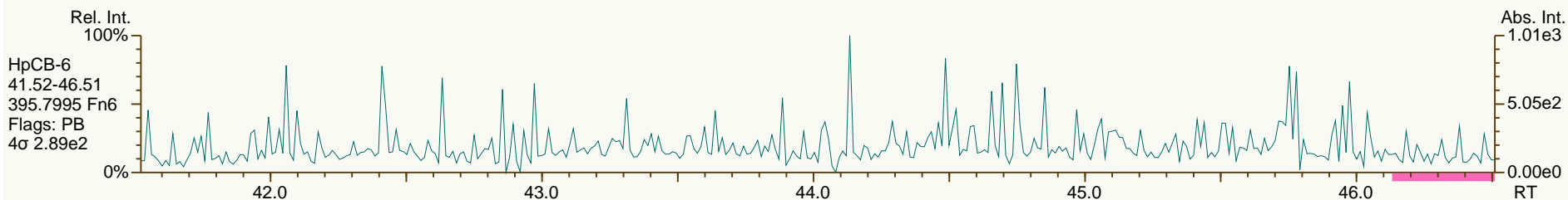
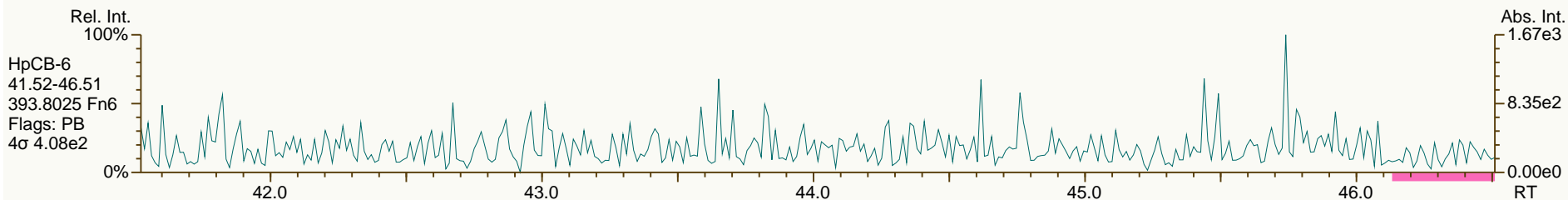
Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

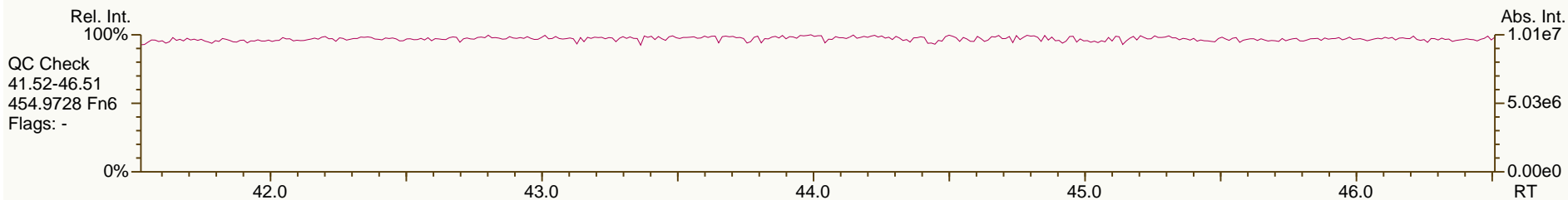
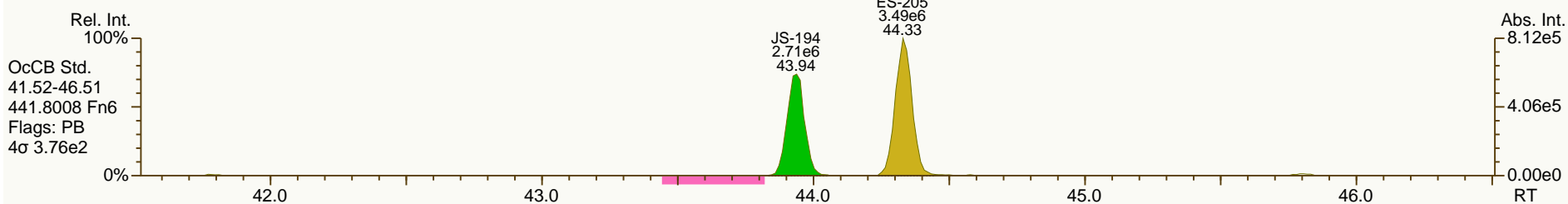
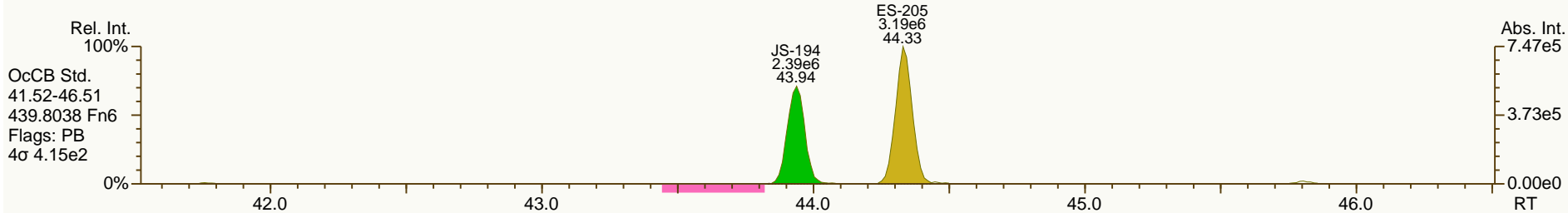
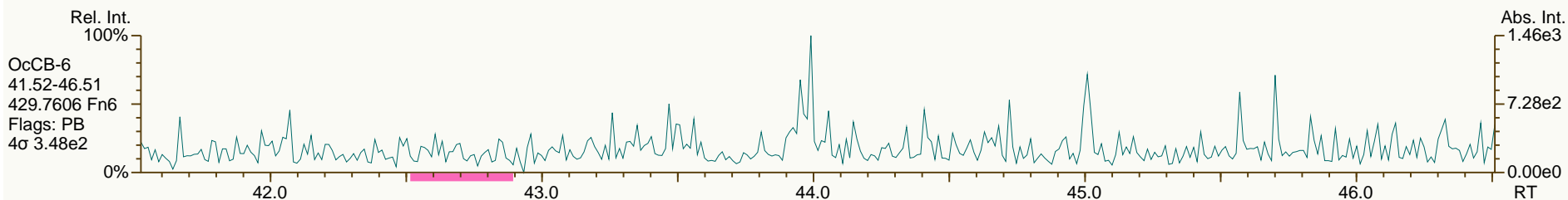
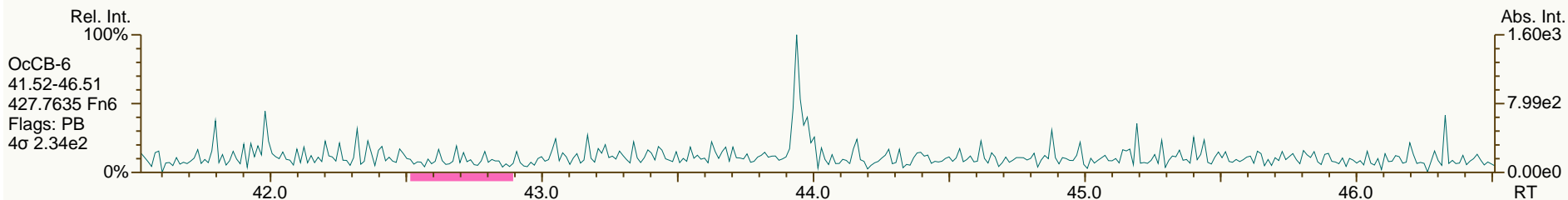
Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

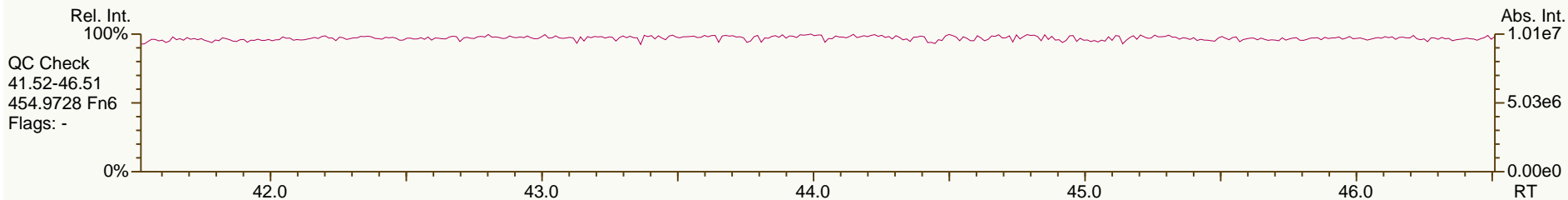
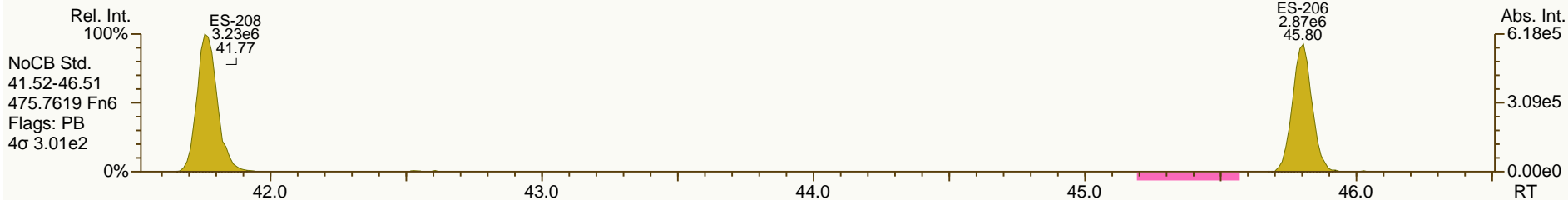
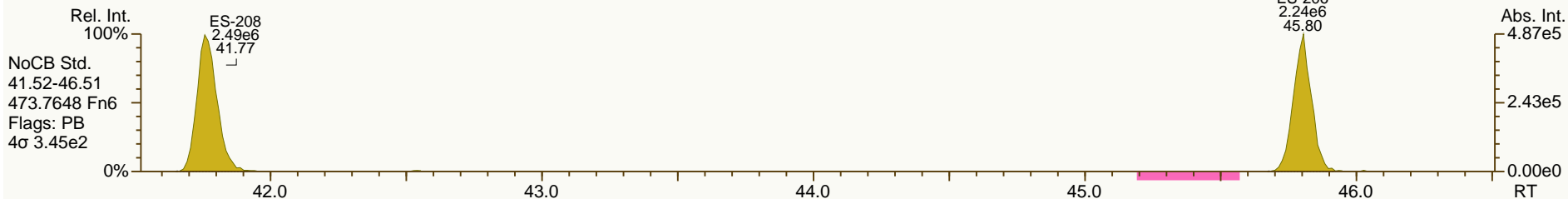
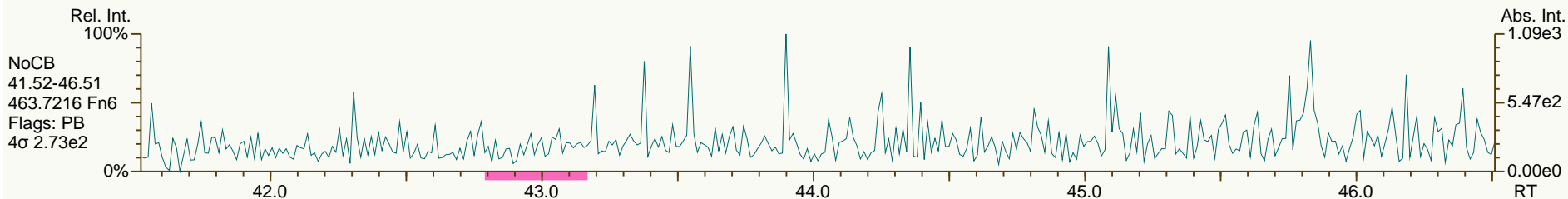
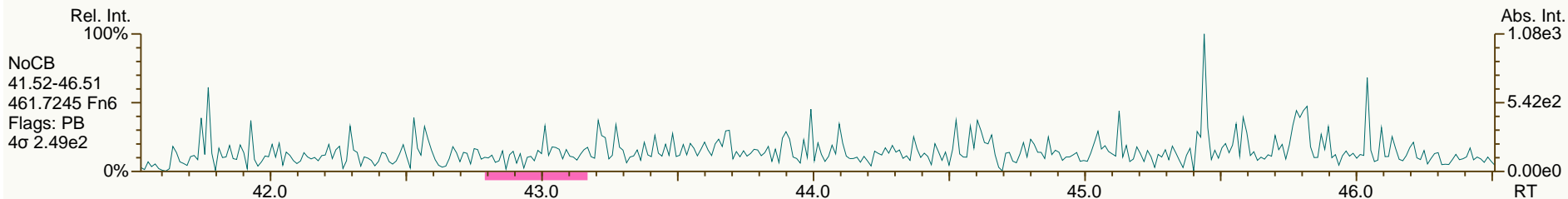
Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

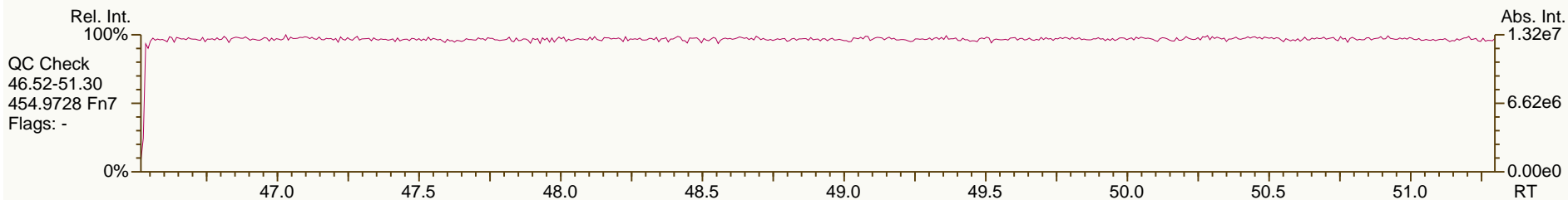
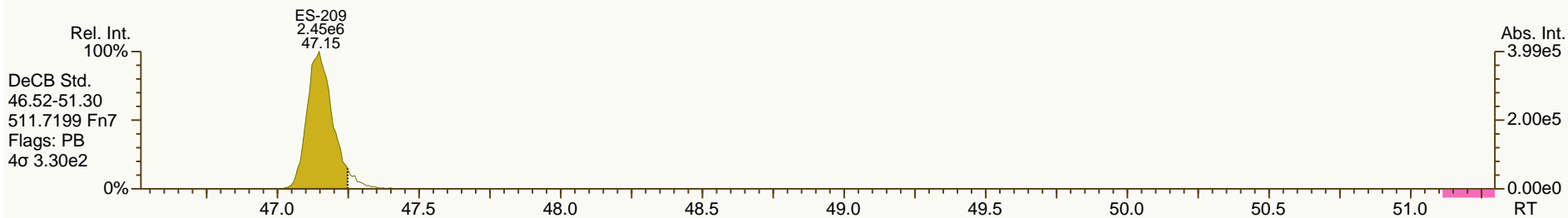
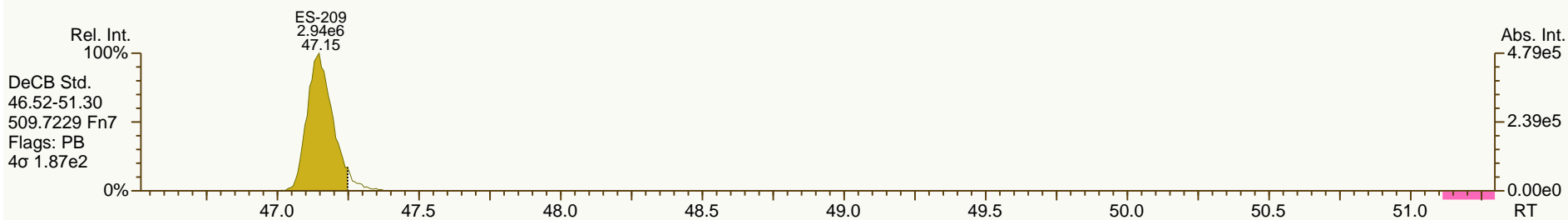
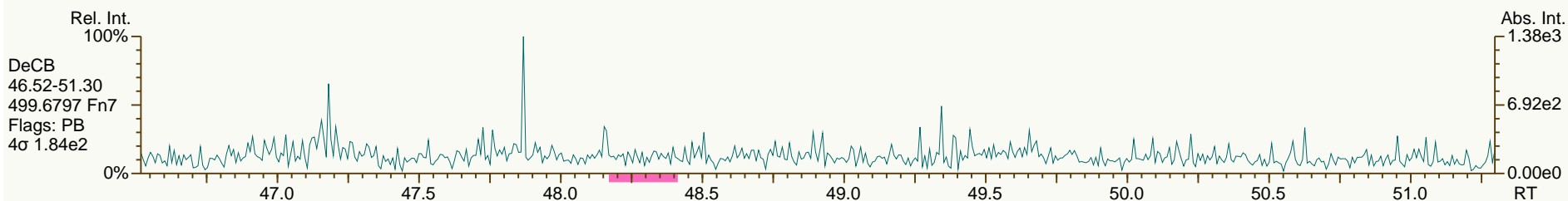
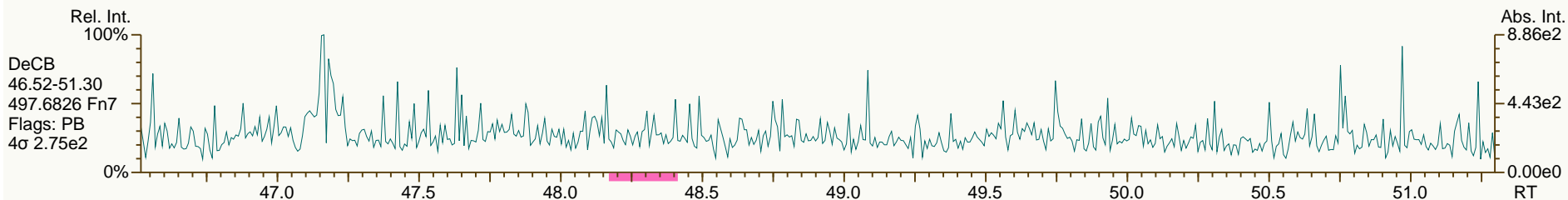
Acq: 29-Jun-2012 18:29:41
 User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

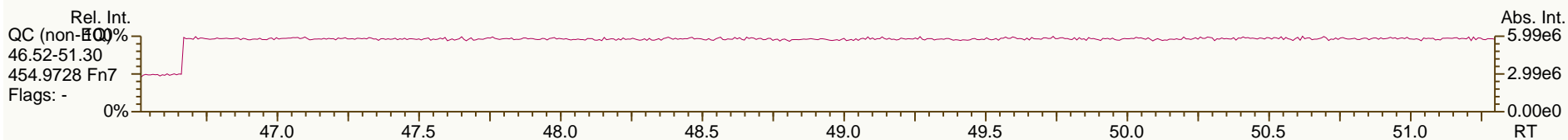
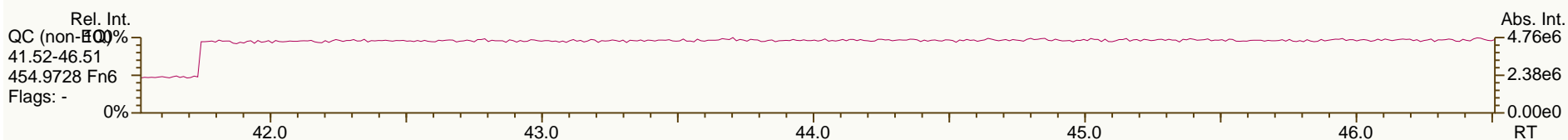
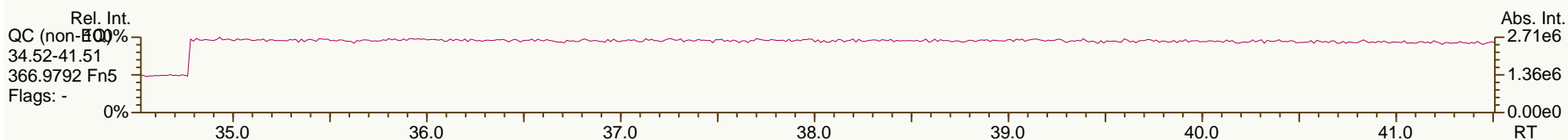
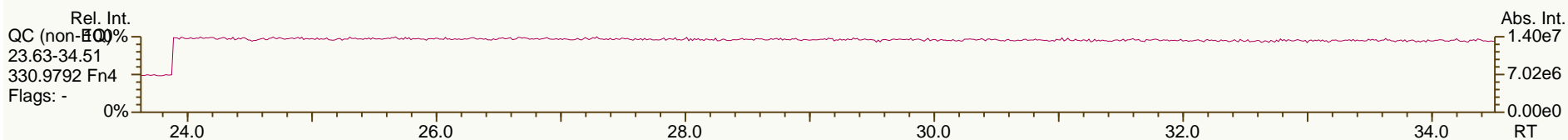
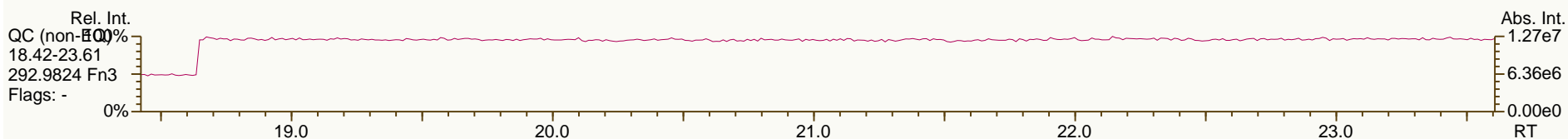
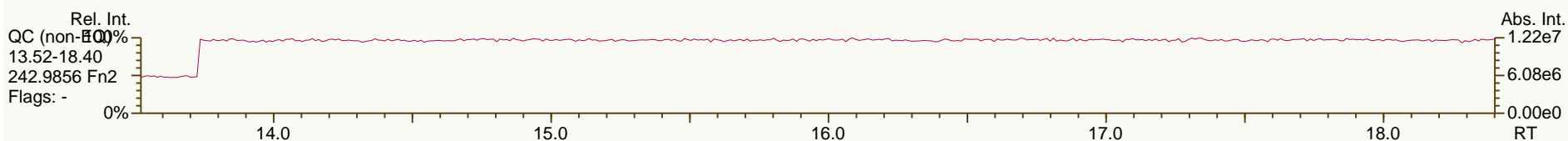
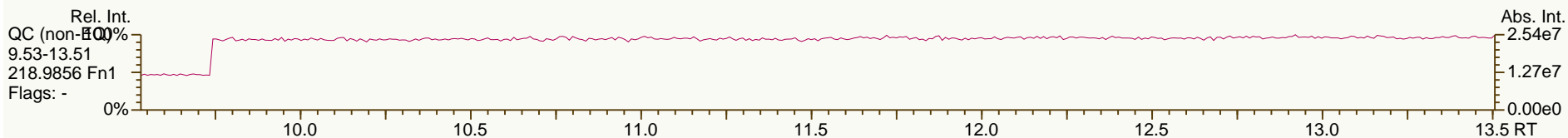
Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



Lab ID: A4367_9888_PCB_002-RJ

ACQ: 29-Jun-2012 19:24:39 LKB Wt/Vol: 0.92 L

ICAL: MM4_PCB_01102012_26JAN12 CS3_120629_PCB_SB

Client ID: JW-RB-120507

UTP: 03-Jul-2012 15:24 LKB

J-level: 10.9 pg/L Split: 1

Checkcode: 417-340-WLP

Datafile: 120629S12

RPT: 03-Jul-2012 15:26 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.22	ND	9.95E+02	2.11
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	9.95E+02	2.32
PCB-105 233'44'-PeCB	32.19		1.0007	1.0007	0	4.73E+04	0.62	1.03	15.6	8.32E+02	3.06
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.10	ND	8.32E+02	2.81
PCB-118 23'44'5'-PeCB	31.21	B	1.0008	1.0007	-0.2	1.32E+05	0.60	1.03	43.2	8.32E+02	2.61
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		0.93	ND	8.32E+02	3.18
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.10E+03	3.05
PCB-156/157 ...-HxCB	37.31	J C	1.0005	1.0001	-0.9	1.38E+04	1.19	1.05	4.76	7.60E+02	3.48
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	7.60E+02	2.46
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	7.60E+02	3.14
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	7.33E+02	2.11
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	4.35E+02	2.93
ES PCB-1	9.83		0.7181	0.7175	-0.4	8.32E+06	3.25	1.01	57 %	4%	100%
ES PCB-3	11.76		0.8583	0.8583	0	8.23E+06	3.32	1.05	54.3 %	11%	106%
ES PCB-4	11.96		0.8732	0.8729	-0.2	4.93E+06	1.62	0.70	49.1 %	14%	107%
ES PCB-15	17.08		1.2453	1.2461	+0.8	9.60E+06	1.62	1.17	56.9 %	19%	107%
ES PCB-19	14.66		1.0698	1.0697	-0.1	4.88E+06	1.06	0.57	59.7 %	1%	108%
ES PCB-37	23.05		1.0865	1.0869	+0.6	7.55E+06	1.10	1.41	78.8 %	25%	123%
ES PCB-54	17.30		0.8157	0.8157	0	6.15E+06	0.82	1.32	68.5 %	13%	105%
ES PCB-77	29.23		1.3777	1.3782	+0.9	8.00E+06	0.81	1.22	96.8 %	31%	109%
ES PCB-81	28.76		1.3557	1.3561	+0.7	7.89E+06	0.78	1.15	101 %	14%	127%
ES PCB-104	22.01		0.8147	0.8147	0	5.49E+06	1.64	1.69	52.8 %	36%	115%
ES PCB-105	32.17		1.1906	1.1908	+0.4	6.40E+06	1.54	1.21	86.1 %	50%	111%
ES PCB-114	31.63		1.1709	1.1711	+0.4	5.88E+06	1.60	1.23	77.4 %	41%	121%
ES PCB-118	31.19		1.1547	1.1548	+0.2	6.43E+06	1.63	1.25	83.8 %	49%	111%
ES PCB-123	30.92		1.1444	1.1446	+0.4	6.29E+06	1.64	1.33	77 %	49%	116%
ES PCB-126	34.78		1.2871	1.2875	+0.8	7.57E+06	1.60	1.36	90.5 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.83		0.7939	0.7937	-0.3	6.09E+06	1.25	1.40	78.8 %	25%	124%
ES PCB-156/157	37.31		1.1035	1.1037	+0.4	1.21E+07	1.25	1.13	96.8 %	40%	120%
ES PCB-167	36.35		1.0753	1.0753	0	5.99E+06	1.21	1.13	96.2 %	45%	118%
ES PCB-169	40.04		1.1842	1.1845	+0.7	5.90E+06	1.25	1.14	93.7 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.64		0.7204	0.7202	-0.4	5.37E+06	1.14	1.34	72.7 %	23%	125%
ES PCB-189	42.17		0.9598	0.9598	0	7.11E+06	1.06	1.77	90.1 %	47%	116%
ES PCB-202	36.15		0.8230	0.8228	-0.4	5.48E+06	0.89	1.27	78.3 %	31%	134%
ES PCB-205	44.33		1.0090	1.0091	+0.3	5.73E+06	0.92	1.25	103 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.80		1.0424	1.0425	+0.3	4.38E+06	0.80	1.07	91.8 %	38%	122%
ES PCB-208	41.77		0.9508	0.9507	-0.3	5.11E+06	0.76	1.34	85.5 %	31%	126%
ES PCB-209	47.15		1.0732	1.0731	-0.3	4.58E+06	1.20	1.18	86.6 %	43%	115%
CS/SS PCB-28	19.66		0.9269	0.9271	+0.2	8.26E+06	1.04	0.98	111 %	14%	131%
CS/SS PCB-111	29.29	V	1.0843	1.0844	+0.2	6.45E+06	1.60	0.90	114 %	57%	112%
CS/SS PCB-178	34.20		1.0118	1.0117	-0.2	3.70E+06	1.11	0.65	106 %	57%	125%
CS PCB-28	19.66		0.9269	0.9271	+0.2	8.26E+06	1.04	1.39	87.9 %	14%	131%
CS PCB-111	29.29		1.0843	1.0844	+0.2	6.45E+06	1.60	1.19	87.9 %	57%	112%
CS PCB-178	34.20		1.0118	1.0117	-0.2	3.70E+06	1.11	0.87	77.3 %	57%	125%
JS PCB-9	13.70					1.44E+07	1.62				
JS PCB-52	21.21					6.79E+06	0.77				
JS PCB-101	27.01					6.16E+06	1.68				
JS PCB-138	33.81					5.51E+06	1.31				
JS PCB-194	43.94					4.47E+06	0.92				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	0	0	2.8		
						Di-CBs	0	0	38.5		
						Tri-CBs	27.8	50.1	3.11		
						Tetra-CBs	177	194	2.36		
						Penta-CBs	295	314	2.98		
						Hexa-CBs	128	217	2.8		
						Hepta-CBs	37	37	3.85		
						Octa-CBs	0	0	3.02		
						Nona-CBs	0	0	3.21		
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00	1.20		ND	2.16E+03	2.42
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00	1.24		ND	2.16E+03	2.9
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00	1.13		ND	2.16E+03	3.17
PCB-4 22'-DiCB	NotFnd		1.0012	-		0.00E+00	0.94		ND	1.64E+04	45.5
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00	1.63		ND	1.64E+04	26.4
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00	1.00		ND	1.66E+04	31.4
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00	1.17		ND	1.66E+04	27
PCB-6 23'-DiCB	NotFnd		1.0261	-		0.00E+00	1.07		ND	1.66E+04	29.5
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00	1.08		ND	1.66E+04	29.1
PCB-8 24'-DiCB	NotFnd		1.0533	-		0.00E+00	1.17		ND	1.66E+04	27.1
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00	1.28		ND	1.66E+04	24.6
PCB-11 33'-DiCB	NotFnd		0.9701	-		0.00E+00	1.06		ND	1.66E+04	29.9
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00	1.11		ND	1.66E+04	28.5
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00	1.01		ND	1.66E+04	31.4

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		1.01	ND	1.11E+03	3.47
PCB-30/18 246/22'5-TrCB	16.30	J C	1.1110	1.1116	+0.6	2.26E+04	1.03	1.24	8.14	1.11E+03	2.83
PCB-17 22'4-TrCB	16.66	J EMPC	1.1357	1.1361	+0.4	1.31E+04	0.85	1.03	5.65	1.11E+03	3.4
PCB-27 23'6-TrCB	NotFnd		1.1479	-		0.00E+00		1.40	ND	1.11E+03	2.5
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.34	ND	1.11E+03	2.63
PCB-16 22'3-TrCB	NotFnd		1.1612	-		0.00E+00		0.81	ND	1.11E+03	4.33
PCB-32 24'6-TrCB	17.49	J EMPC	1.1923	1.1929	+0.6	1.25E+04	0.85	1.49	3.73	1.11E+03	2.35
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.27	ND	1.18E+03	2.59
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.33	ND	1.18E+03	2.48
PCB-26/29 23'5/245-TrCB	18.96	J C	0.8236	0.8223	-1.5	2.15E+04	0.94	1.34	4.63	1.18E+03	2.46
PCB-25 23'4-TrCB	NotFnd		0.8315	-		0.00E+00		1.34	ND	1.18E+03	2.46
PCB-31 24'5-TrCB	19.43	J	0.8430	0.8428	-0.2	4.51E+04	1.13	1.38	9.4	1.18E+03	2.38
PCB-28/20 244'/233'-TrCB	19.68	J EMPC C	0.8542	0.8539	-0.4	4.23E+04	1.29	1.32	9.21	1.18E+03	2.49
PCB-21/33 234/23'4'-TrCB	19.87	J C	0.8612	0.8621	+1.1	2.66E+04	1.11	1.36	5.63	1.18E+03	2.42
PCB-22 234'-TrCB	20.20	J EMPC	0.8766	0.8765	-0.1	1.57E+04	1.26	1.23	3.67	1.18E+03	2.67
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.31	ND	1.18E+03	2.52
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.39	ND	1.18E+03	2.38
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.21	ND	1.18E+03	2.72
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00		1.19	ND	1.18E+03	2.77
PCB-37 344'-TrCB	NotFnd		1.0008	-		0.00E+00		1.20	ND	1.18E+03	2.75
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	6.88E+02	2.03
PCB-50/53 22'46/22'56'-TeCB	19.17	J EMPC C	0.9051	0.9041	-1.2	1.74E+04	0.61	0.76	6.32	6.70E+02	2.56
PCB-45 22'36-TeCB	NotFnd		0.9304	-		0.00E+00		0.65	ND	6.70E+02	3
PCB-51 22'46'-TeCB	19.81	J	0.9340	0.9342	+0.2	1.70E+04	0.70	0.76	6.18	6.70E+02	2.56
PCB-46 22'36'-TeCB	NotFnd		0.9429	-		0.00E+00		0.61	ND	6.70E+02	3.2
PCB-52 22'55'-TeCB	21.23		1.0010	1.0011	+0.1	1.23E+05	0.79	0.69	49	6.70E+02	2.79
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.94	ND	6.70E+02	2.06
PCB-43 22'35-TeCB	NotFnd		1.0106	-		0.00E+00		0.63	ND	6.70E+02	3.08
PCB-69/49 23'46/22'45'-TeCB	21.65	C	1.0198	1.0209	+1.4	8.31E+04	0.75	0.88	26	6.70E+02	2.2
PCB-48 22'45-TeCB	NotFnd		1.0319	-		0.00E+00		0.71	ND	6.70E+02	2.72
PCB-44/47/65 ...-TeCB	22.08	C	1.0416	1.0413	-0.4	9.14E+04	0.89	0.77	32.7	6.70E+02	2.52
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0541	-		0.00E+00		0.98	ND	6.70E+02	1.98
PCB-42 22'34'-TeCB	22.52	J EMPC	1.0612	1.0617	+0.7	1.29E+04	0.54	0.68	5.18	6.70E+02	2.84
PCB-41 22'34-TeCB	NotFnd		1.0759	-		0.00E+00		0.61	ND	6.70E+02	3.2
PCB-71/40 23'4'6/22'33'-TeCB	22.93	J C	1.0806	1.0813	+1.0	2.55E+04	0.69	0.74	9.47	6.70E+02	2.61
PCB-64 234'6-TeCB	23.12	J EMPC	1.0899	1.0902	+0.4	2.01E+04	0.96	1.03	5.38	6.70E+02	1.88
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00		1.27	ND	9.95E+02	2.27
PCB-68 23'45'-TeCB	NotFnd		0.8379	-		0.00E+00		1.38	ND	9.95E+02	2.09
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.23	ND	9.95E+02	2.34
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.25	ND	9.95E+02	2.3
PCB-67 23'45-TeCB	NotFnd		0.8620	-		0.00E+00		1.28	ND	9.95E+02	2.24
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00		1.36	ND	9.95E+02	2.12
PCB-61/70/74/76 ...-TeCB	25.29	J C	0.8792	0.8792	0	1.52E+05	0.77	1.28	32.8	9.95E+02	2.26
PCB-66 23'44'-TeCB	25.56		0.8888	0.8887	-0.2	7.35E+04	0.82	1.18	17.2	9.95E+02	2.45
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.25	ND	9.95E+02	2.31

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.11	J	0.9080	0.9080	0	1.53E+04	0.78	1.17	3.6	9.95E+02	2.47
PCB-60 2344'-TeCB	NotFnd		0.9144	-		0.00E+00		1.25	ND	9.95E+02	2.31
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.40	ND	9.95E+02	2.06
PCB-79 33'45'-TeCB	NotFnd		0.9718	-		0.00E+00		1.32	ND	9.95E+02	2.18
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.14	ND	9.95E+02	2.53
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	8.09E+02	3.19
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.87	ND	8.09E+02	3.36
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.84	ND	8.32E+02	3.51
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.74	ND	8.32E+02	3.96
PCB-95 22'35'6'-PeCB	24.53	B	0.9082	0.9083	+0.1	8.93E+04	0.70	0.76	40.3	8.32E+02	3.84
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.81	ND	8.32E+02	3.62
PCB-102 22'456'-PeCB	NotFnd		0.9198	-		0.00E+00		0.80	ND	8.32E+02	3.66
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.77	ND	8.32E+02	3.83
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.78	ND	8.32E+02	3.79
PCB-91 22'34'6'-PeCB	25.26	J EMPC	0.9352	0.9353	+0.2	1.09E+04	0.49	0.83	4.53	8.32E+02	3.55
PCB-84 22'33'6'-PeCB	25.44	J EMPC	0.9416	0.9417	+0.2	1.66E+04	0.50	0.68	8.43	8.32E+02	4.32
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.71	ND	8.32E+02	4.15
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.07	ND	8.32E+02	2.75
PCB-92 22'355'-PeCB	26.55	J	0.9825	0.9828	+0.5	2.17E+04	0.65	0.75	9.96	8.32E+02	3.91
PCB-113/90/101 ...-PeCB	27.03	B C	0.9999	1.0008	+1.5	1.38E+05	0.60	0.87	54.4	8.32E+02	3.37
PCB-83 22'33'5'-PeCB	NotFnd		1.0150	-		0.00E+00		0.62	ND	8.32E+02	4.74
PCB-99 22'44'5'-PeCB	27.53		1.0190	1.0191	+0.2	6.88E+04	0.64	0.82	28.8	8.32E+02	3.56
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.00	ND	8.32E+02	2.93
PCB-108/119/86/97/125...-PeCB	27.97	J C	1.0347	1.0356	+1.5	9.37E+04	0.70	0.89	36.2	8.32E+02	3.29
PCB-117 234'56'-PeCB	NotFnd		1.0539	-		0.00E+00		0.81	ND	8.32E+02	3.61
PCB-116/85 23456/22'344'-PeCB	28.55	J EMPC C	1.0566	1.0571	+0.9	1.59E+04	0.46	0.97	5.66	8.32E+02	3.03
PCB-110 233'4'6'-PeCB	28.68	B	1.0615	1.0616	+0.2	1.72E+05	0.59	0.89	66.9	8.32E+02	3.3
PCB-115 2344'6'-PeCB	NotFnd		1.0644	-		0.00E+00		1.12	ND	8.32E+02	2.64
PCB-82 22'33'4'-PeCB	NotFnd		1.0711	-		0.00E+00		0.65	ND	8.32E+02	4.51
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.04	ND	8.32E+02	2.81
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.05	ND	8.32E+02	2.8
PCB-107/124 ...-PeCB	NotFnd	C	0.9909	-		0.00E+00		0.96	ND	8.32E+02	3.06
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		0.95	ND	8.32E+02	3.1
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		1.00	ND	8.32E+02	2.94
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		1.00	ND	8.32E+02	3.08
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		1.01	ND	8.32E+02	3.11
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	6.37E+02	2.13
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.96	ND	6.37E+02	2.34
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		0.97	ND	6.37E+02	2.32
PCB-136 22'33'66'-HxCB	27.41	J	1.0216	1.0216	0	1.74E+04	1.42	0.90	6.89	6.37E+02	2.49
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.94	ND	6.37E+02	2.39
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.71	ND	6.37E+02	3.16
PCB-151/135 ...-HxCB	29.47	J EMPC C	1.0986	1.0984	-0.4	3.02E+04	1.03	0.70	15.4	6.37E+02	3.22
PCB-154 22'44'56'-HxCB	NotFnd		1.1067	-		0.00E+00		0.77	ND	6.37E+02	2.9
PCB-144 22'345'6'-HxCB	NotFnd		1.1158	-		0.00E+00		0.70	ND	6.37E+02	3.2

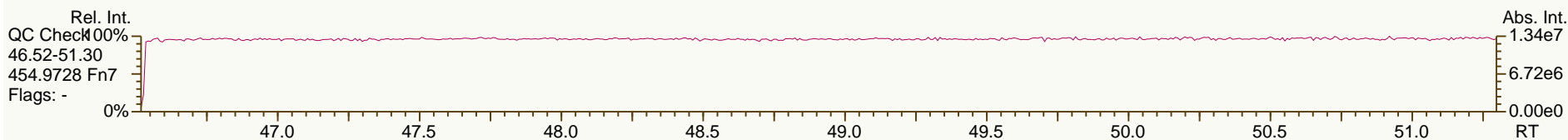
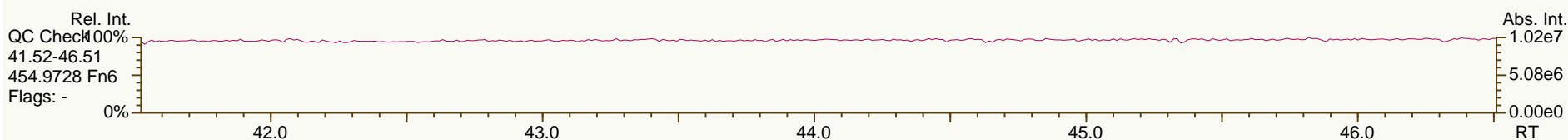
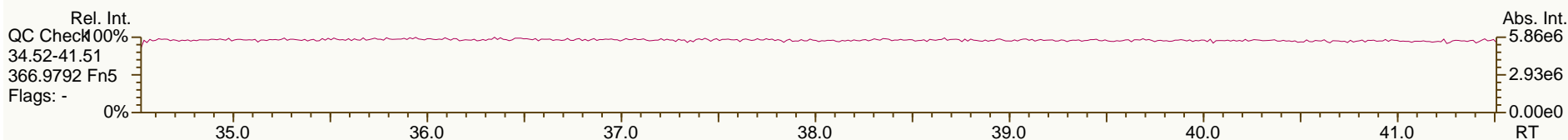
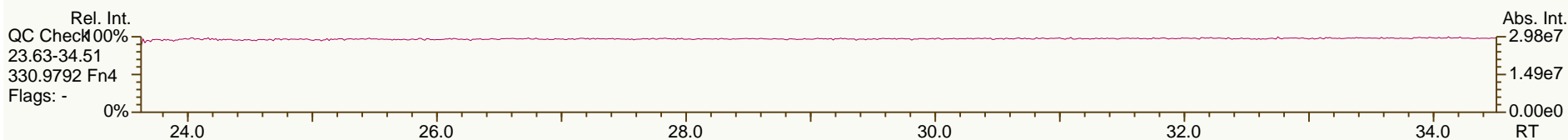
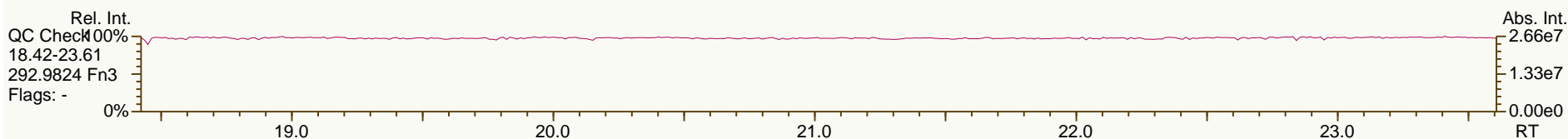
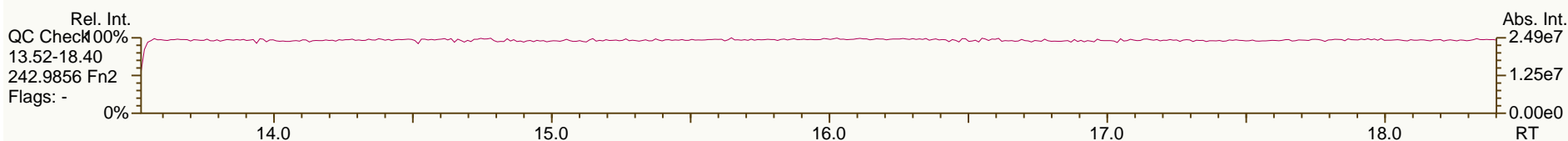
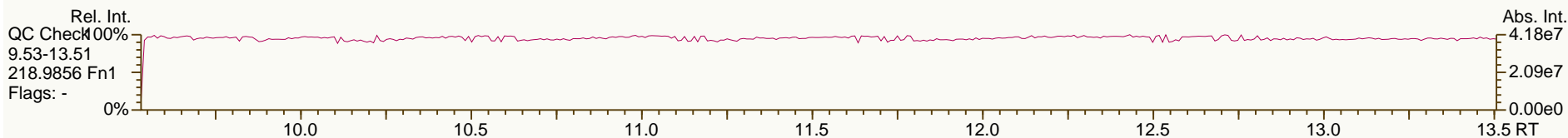
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.24	EMPC C	1.1269	1.1270	+0.2	7.35E+04	1.54	0.71	36.9	6.37E+02	3.16
PCB-134 22'33'56"-HxCB	NotFnd		1.1326	-		0.00E+00		0.55	ND	6.37E+02	4.1
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00		0.72	ND	6.37E+02	3.14
PCB-139/140 ...-HxCB	NotFnd	C	1.1458	-		0.00E+00		0.73	ND	6.37E+02	3.07
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00		0.61	ND	6.37E+02	3.65
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.63	ND	6.37E+02	3.54
PCB-132 22'33'46"-HxCB	31.28	EMPC	1.1655	1.1655	0	3.69E+04	1.03	0.64	20.7	6.37E+02	3.53
PCB-133 22'33'55"-HxCB	NotFnd		1.1826	-		0.00E+00		0.66	ND	6.37E+02	3.42
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.80	ND	6.37E+02	2.81
PCB-146 22'34'55"-HxCB	32.28	J	0.9550	0.9547	-0.6	1.44E+04	1.34	0.71	7.2	6.37E+02	3.14
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.88	ND	6.37E+02	2.56
PCB-153/168 ...-HxCB	32.80	C	0.9709	0.9702	-1.4	1.06E+05	1.43	0.89	42.6	6.37E+02	2.53
PCB-141 22'34'55"-HxCB	32.95	J EMPC	0.9746	0.9746	0	1.31E+04	1.68	0.68	6.85	6.37E+02	3.29
PCB-130 22'33'45"-HxCB	NotFnd		0.9847	-		0.00E+00		0.58	ND	6.37E+02	3.86
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9904	-		0.00E+00		0.73	ND	6.37E+02	3.08
PCB-164 233'4'5'6"-HxCB	33.57	J EMPC	0.9930	0.9929	-0.2	7.73E+03	1.54	0.85	3.24	6.37E+02	2.64
PCB-163/138/129 ...-HxCB	33.83	C	1.0012	1.0008	-0.8	1.22E+05	1.30	0.72	60.2	6.37E+02	3.1
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.84	ND	6.37E+02	2.68
PCB-158 233'44'6"-HxCB	34.17	J	1.0106	1.0109	+0.6	1.56E+04	1.21	0.94	5.94	6.37E+02	2.39
PCB-128/166 ...-HxCB	34.88	J EMPC C	0.9593	0.9594	+0.2	1.72E+04	1.49	0.95	6.6	7.60E+02	2.81
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.07	ND	7.60E+02	2.48
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.09	ND	7.60E+02	2.44
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	7.90E+02	3.2
PCB-179 22'33'566"-HpCB	NotFnd		1.0089	-		0.00E+00		0.97	ND	7.90E+02	3.49
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		0.96	ND	7.90E+02	3.56
PCB-176 22'33'466"-HpCB	NotFnd		1.0324	-		0.00E+00		1.07	ND	7.90E+02	3.17
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.00	ND	7.90E+02	3.41
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0816	-		0.00E+00		0.73	ND	7.90E+02	4.69
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00		0.77	ND	9.66E+02	5.41
PCB-187 22'34'55'6"-HpCB	35.00		1.1057	1.1061	+0.8	2.39E+04	0.91	0.79	12.2	9.66E+02	5.27
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.81	ND	9.66E+02	5.17
PCB-183 22'344'5'6"-HpCB	NotFnd		1.1219	-		0.00E+00		0.91	ND	9.66E+02	4.59
PCB-185 22'3455'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.72	ND	9.66E+02	5.81
PCB-174 22'33'456"-HpCB	35.68		1.1276	1.1275	-0.2	1.81E+04	1.03	0.65	11.2	9.66E+02	6.38
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1393	-		0.00E+00		0.67	ND	9.66E+02	6.23
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.79	ND	9.66E+02	5.3
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00		0.70	ND	9.66E+02	5.97
PCB-172 22'33'455"-HpCB	NotFnd		0.9003	-		0.00E+00		0.66	ND	9.66E+02	4.67
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.85	ND	9.66E+02	3.63
PCB-180/193 ...-HpCB	38.51	J C	0.9127	0.9132	+1.2	3.73E+04	1.12	0.84	13.5	9.66E+02	3.67
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00		0.89	ND	9.66E+02	3.48
PCB-170 22'33'44'5"-HpCB	NotFnd		0.9380	-		0.00E+00		0.70	ND	9.66E+02	4.43
PCB-190 233'44'56"-HpCB	NotFnd		0.9486	-		0.00E+00		0.91	ND	9.66E+02	3.41
PCB-202 22'33'55'66"-OocCB	NotFnd		1.0006	-		0.00E+00		0.83	ND	6.40E+02	3.62
PCB-201 22'33'45'66"-OocCB	NotFnd		1.0221	-		0.00E+00		0.94	ND	6.40E+02	3.17

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.89	ND	6.40E+02	3.35
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		0.92	ND	6.40E+02	3.23
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.94	ND	6.40E+02	3.18
PCB-198/199 ...-OcCB	NotFnd	C	1.1102	-		0.00E+00		0.67	ND	6.40E+02	4.47
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1260	-		0.00E+00		0.70	ND	6.40E+02	4.25
PCB-203 22'344'55'6-OcCB	NotFnd		1.1306	-		0.00E+00		0.74	ND	6.40E+02	4.03
PCB-195 22'33'44'56-OcCB	NotFnd		0.9469	-		0.00E+00		0.69	ND	6.20E+02	3.84
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9915	-		0.00E+00		0.74	ND	6.20E+02	3.57
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	6.20E+02	2.43
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.98	ND	5.20E+02	3.06
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		0.99	ND	5.20E+02	3.03
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.93	ND	5.20E+02	3.35

AP Lab ID: A4367_9888_PCB_002-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

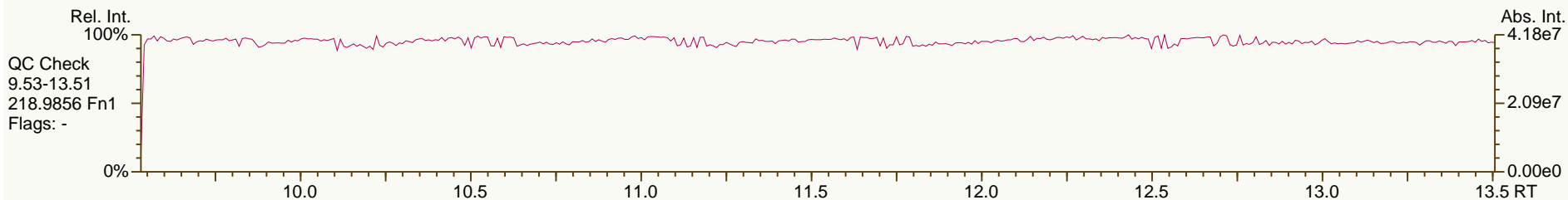
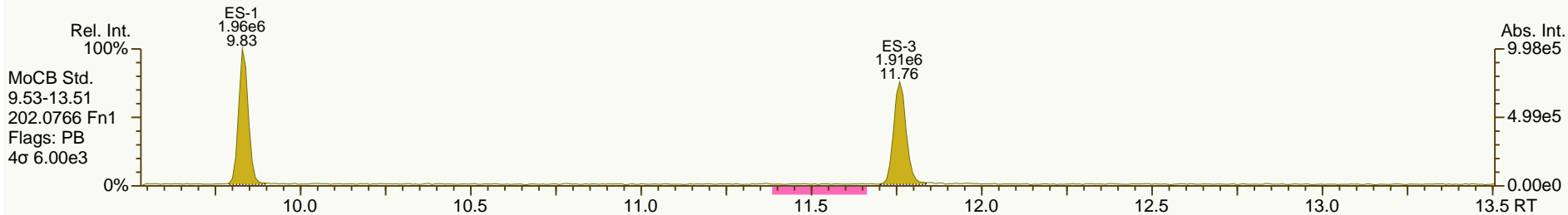
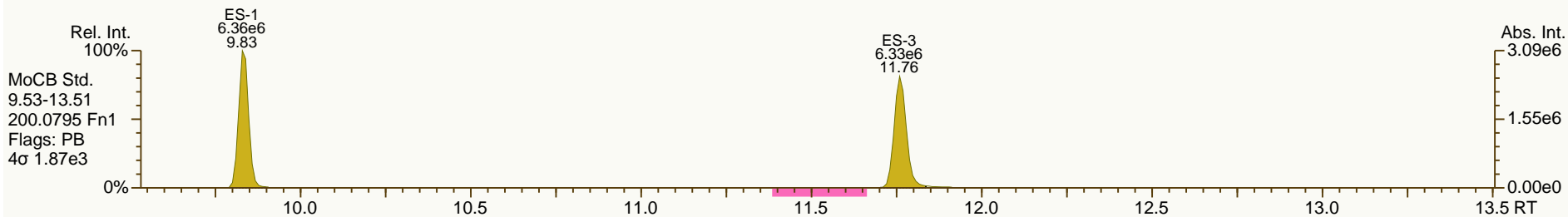
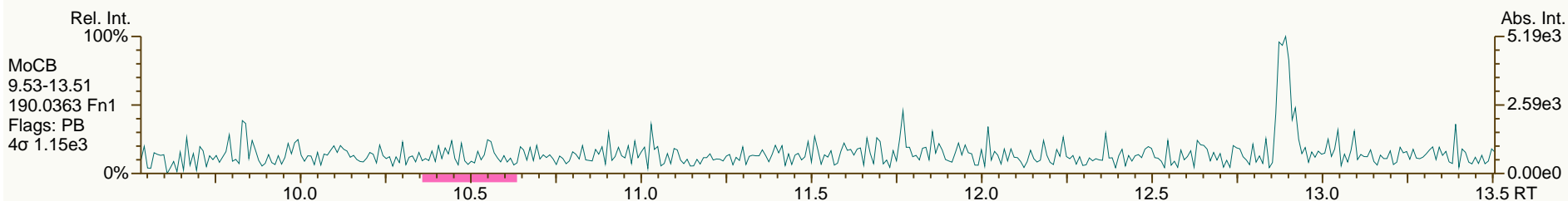
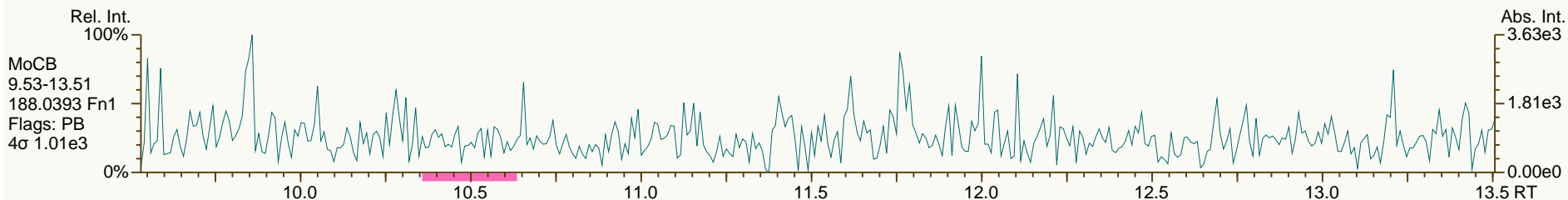
Acq: 29-Jun-2012 19:24:39
User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

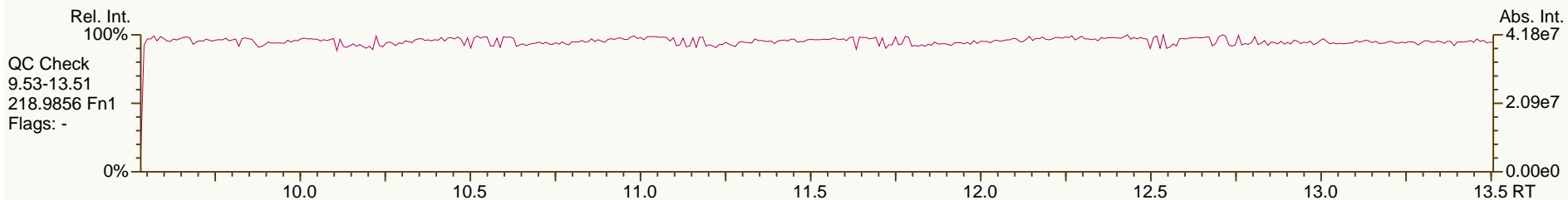
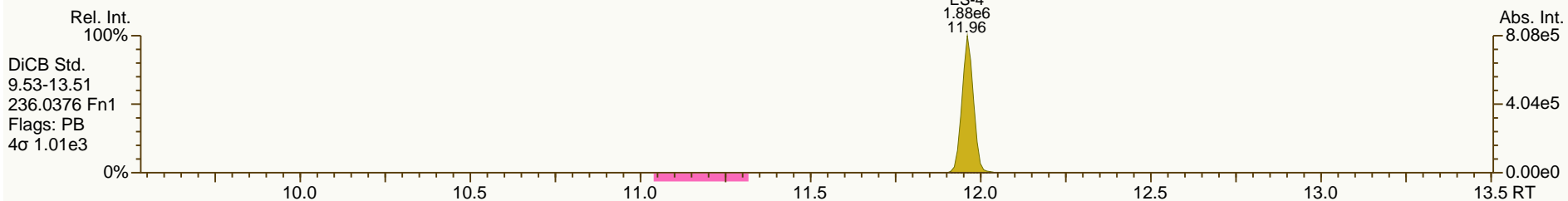
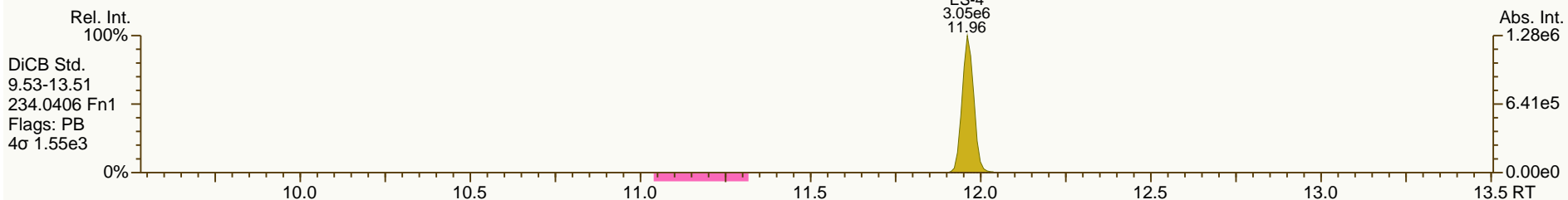
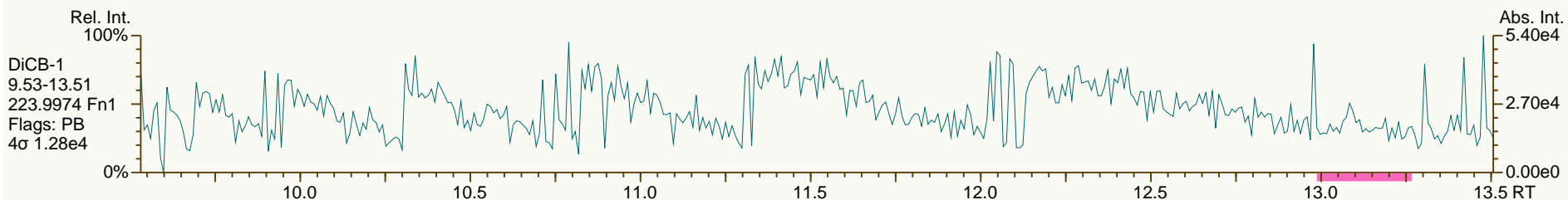
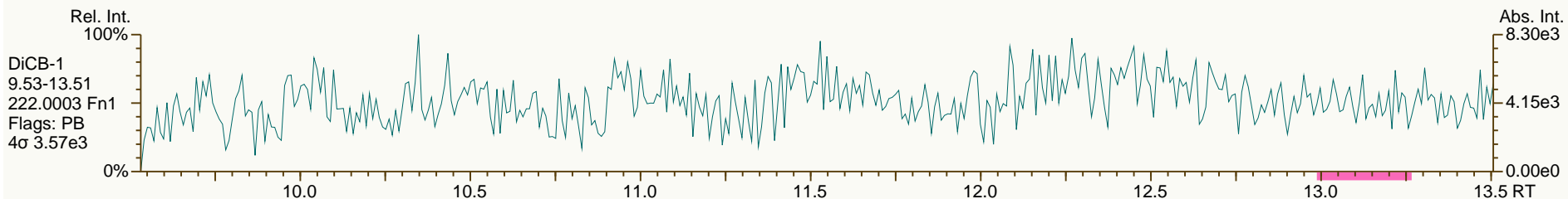
Acq: 29-Jun-2012 19:24:39
User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

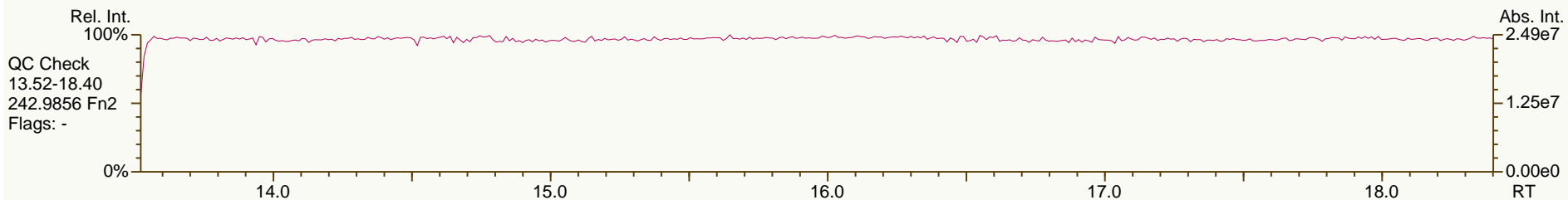
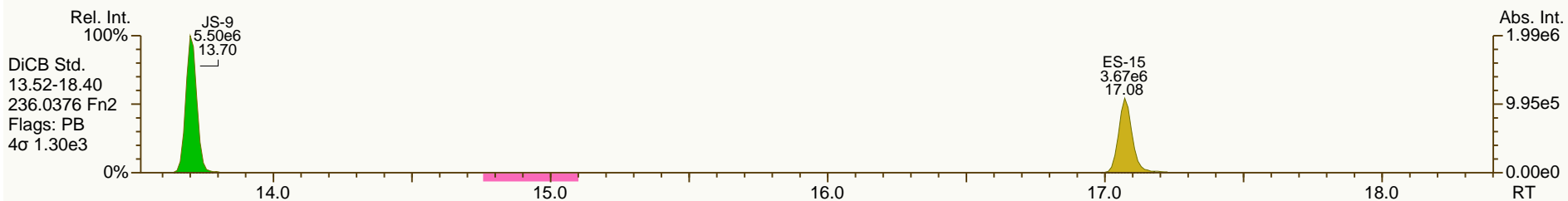
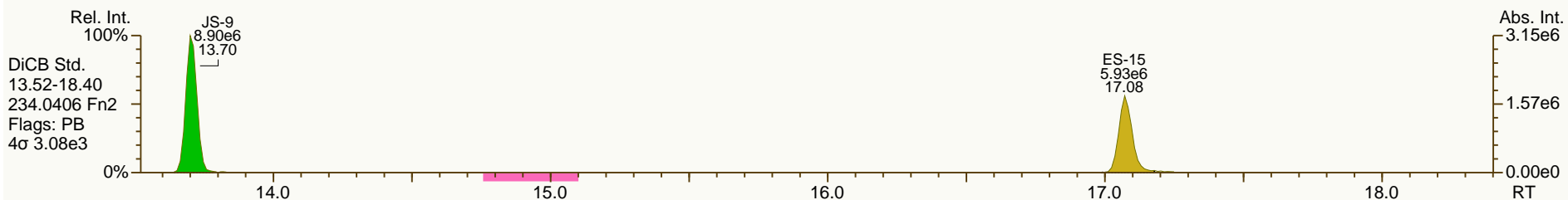
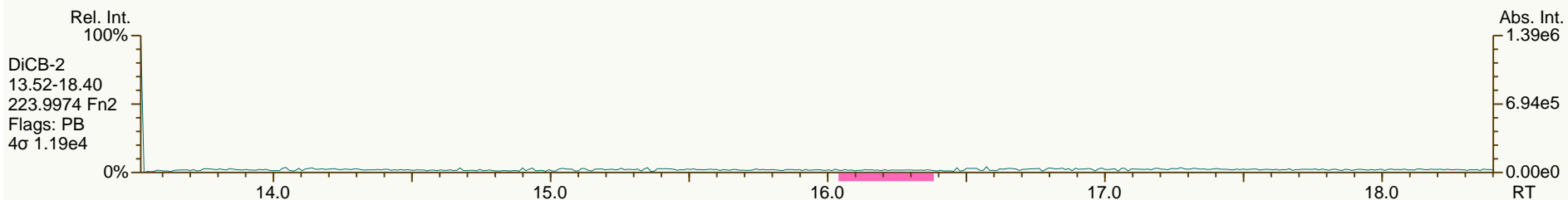
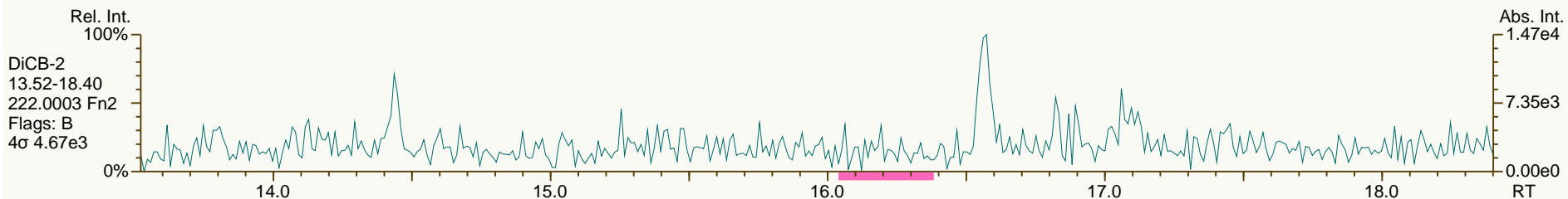
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

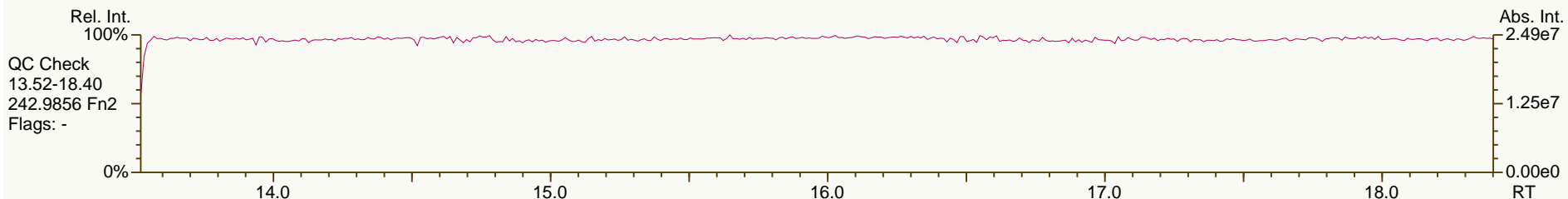
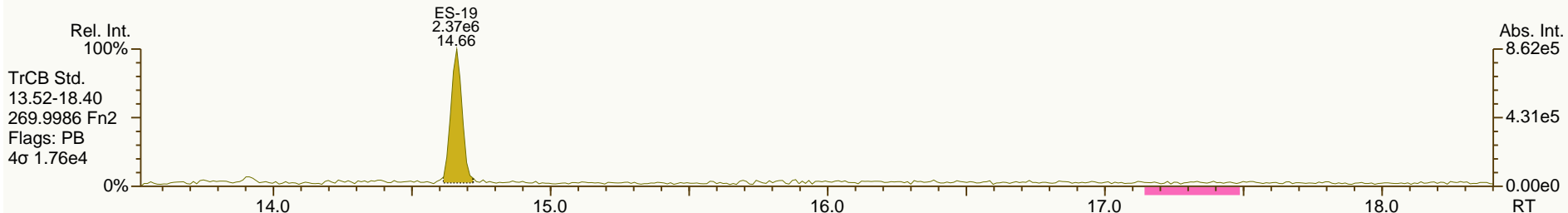
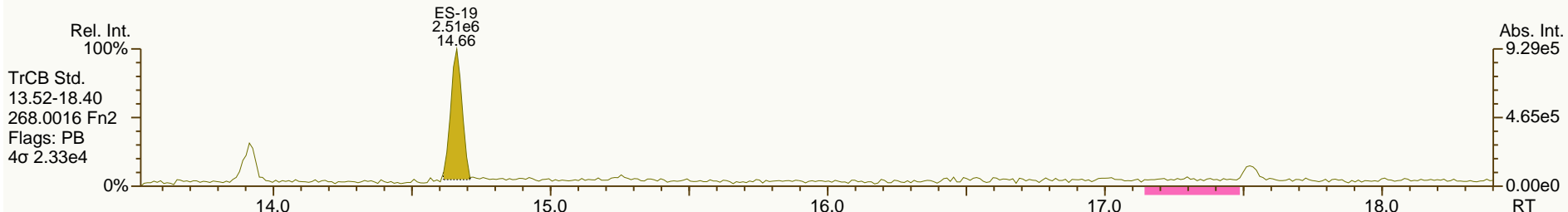
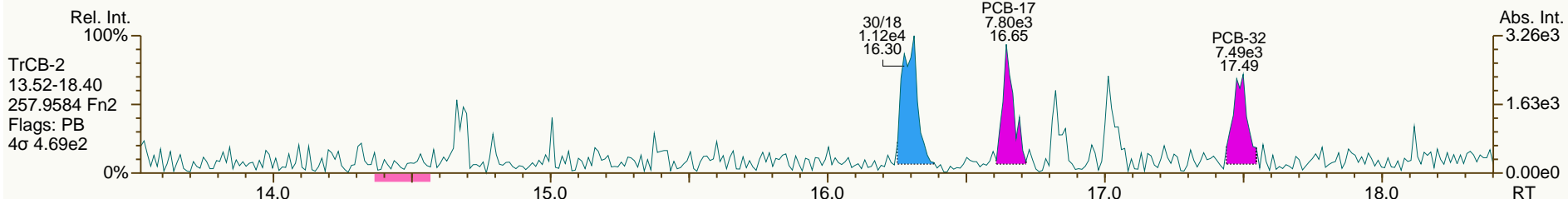
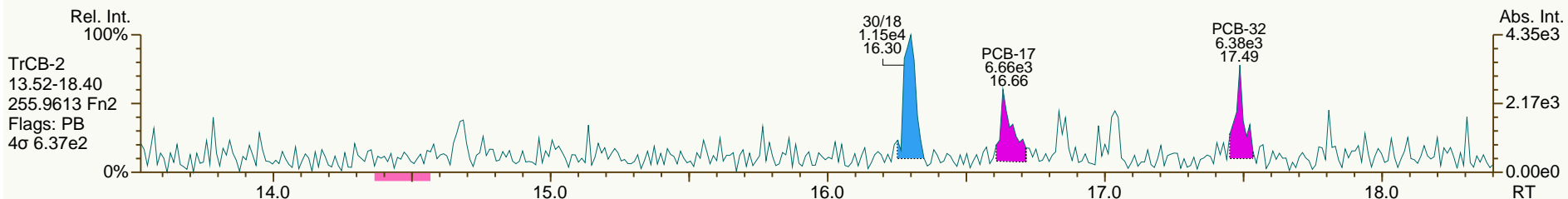
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

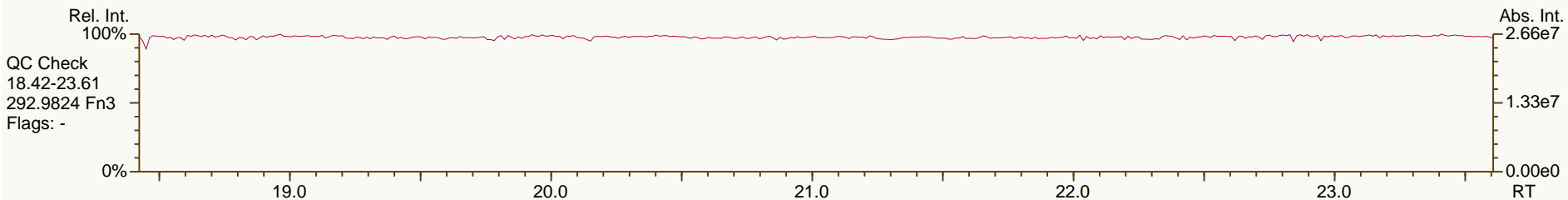
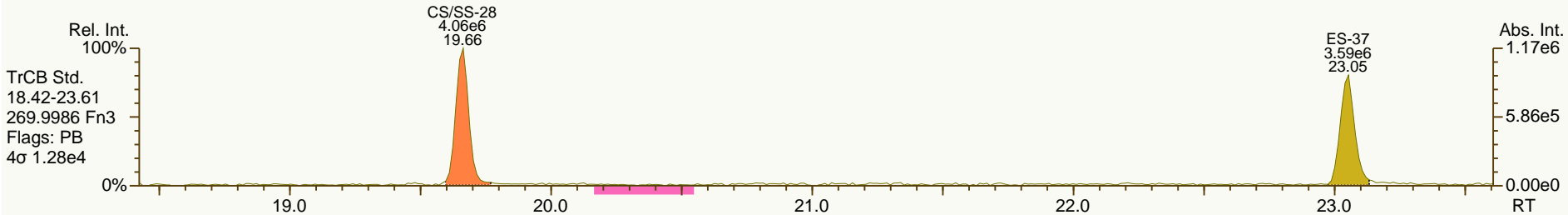
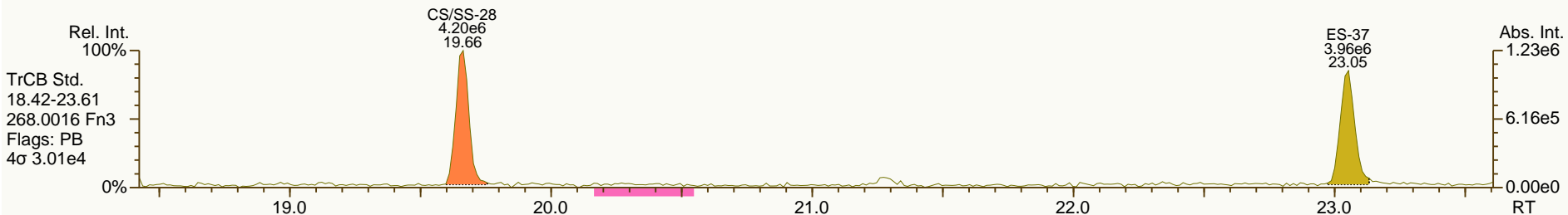
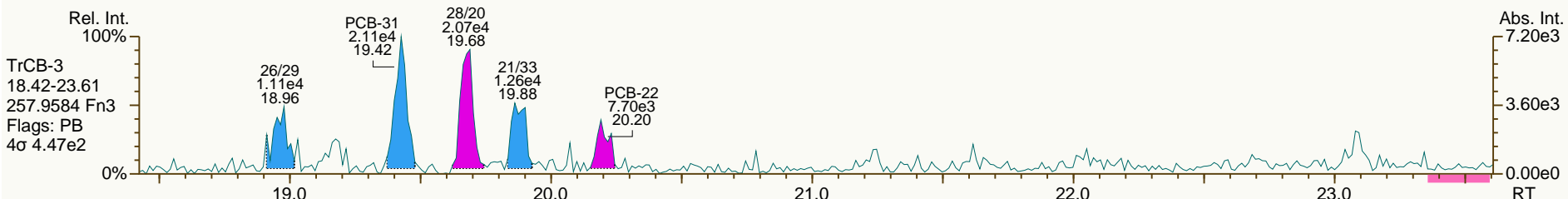
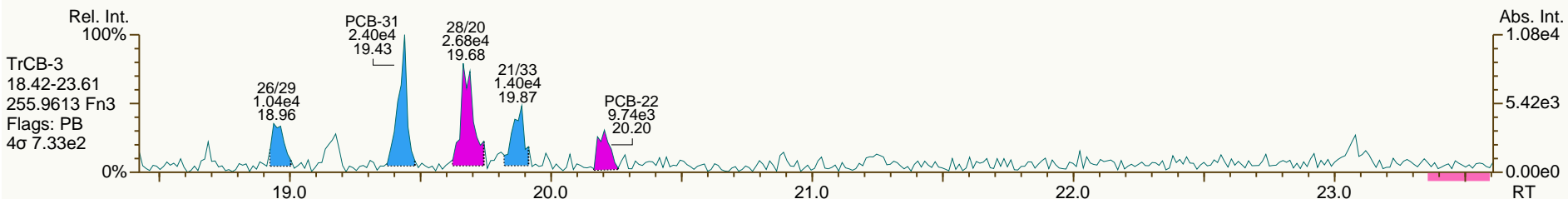
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

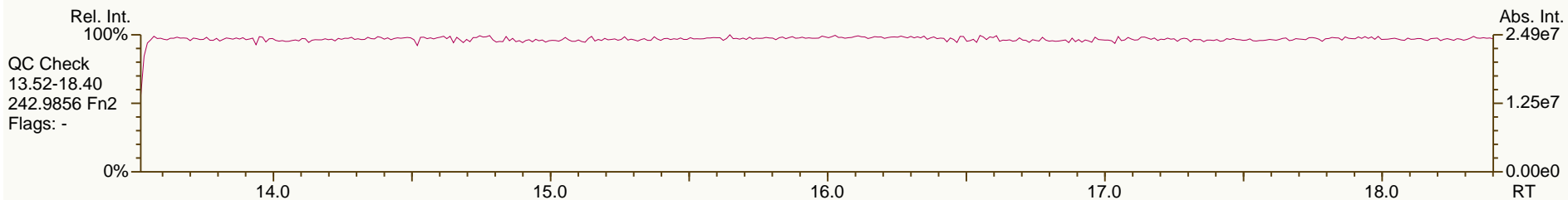
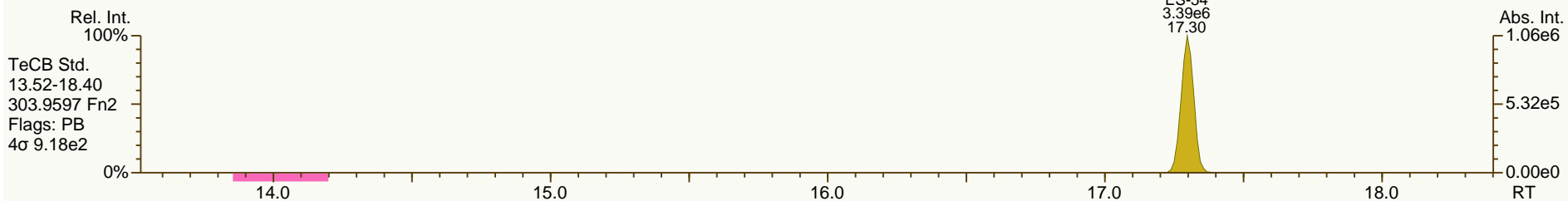
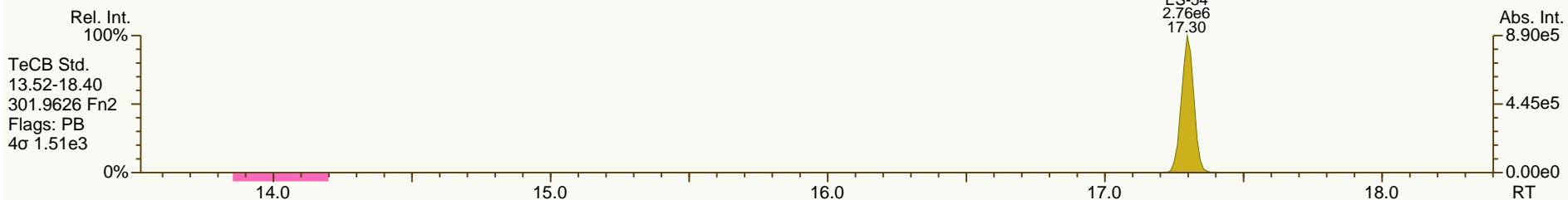
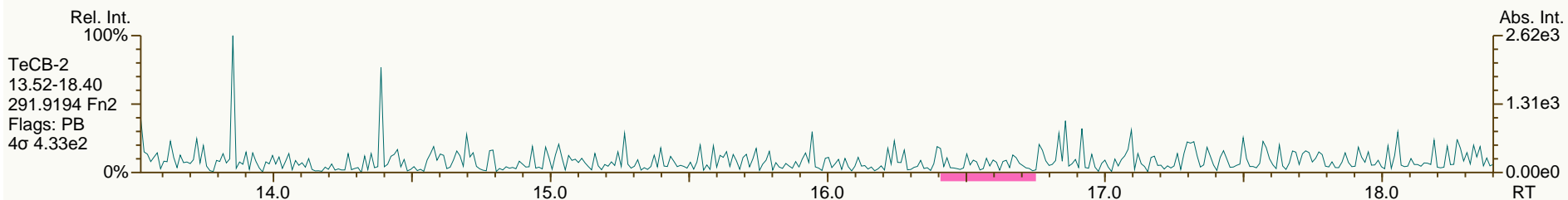
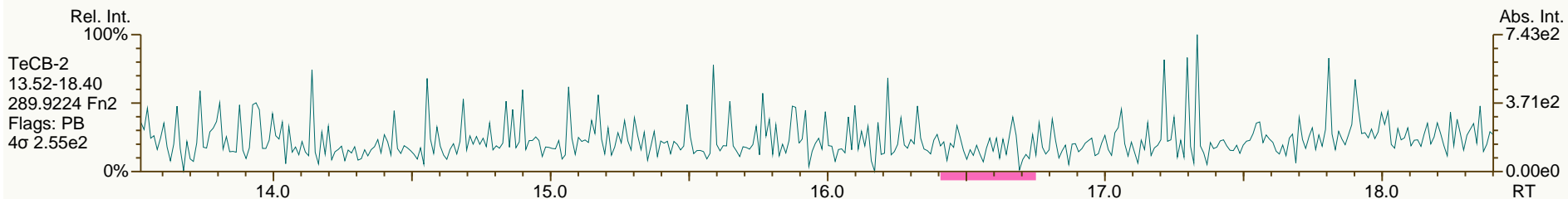
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

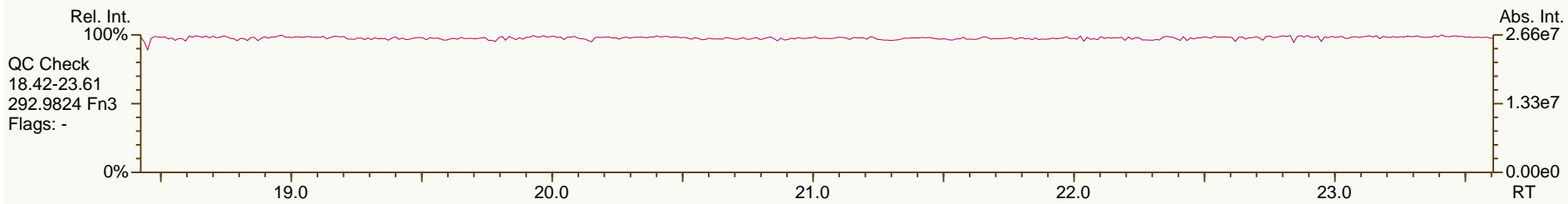
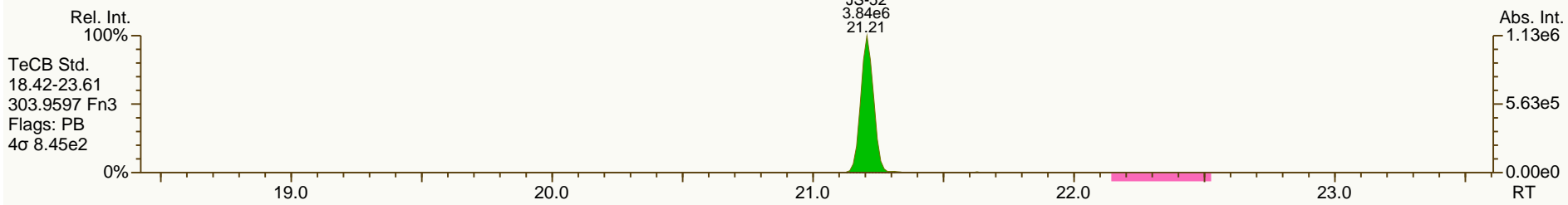
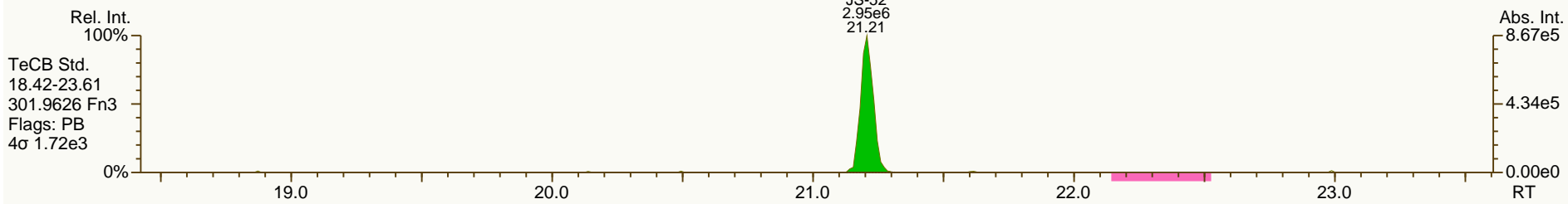
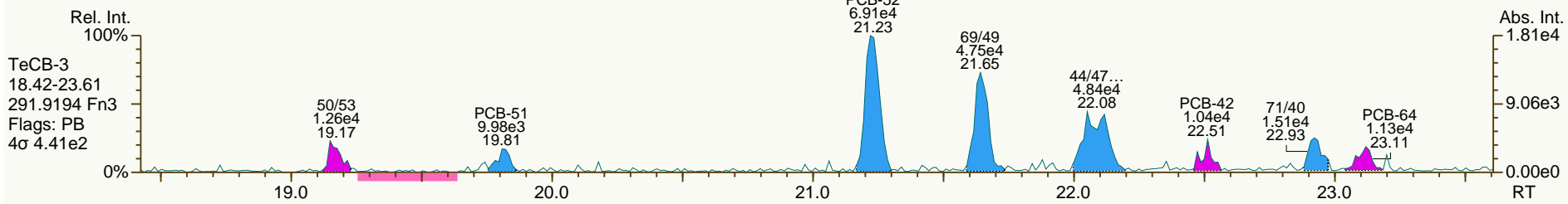
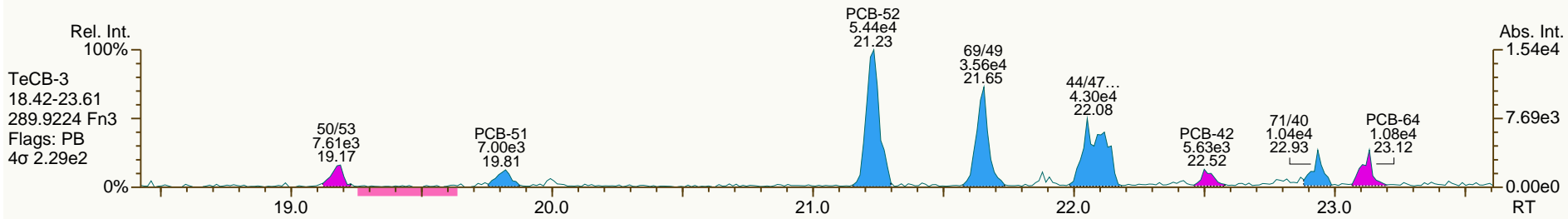
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

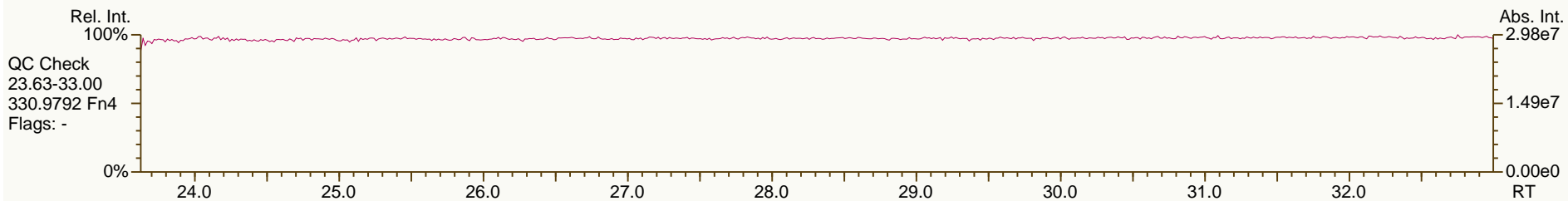
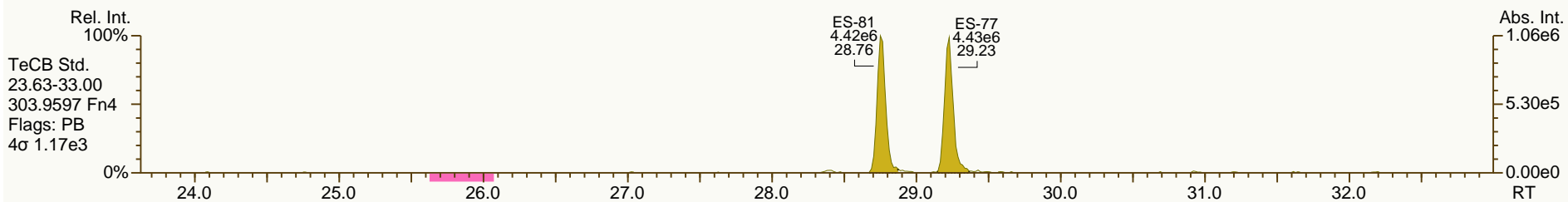
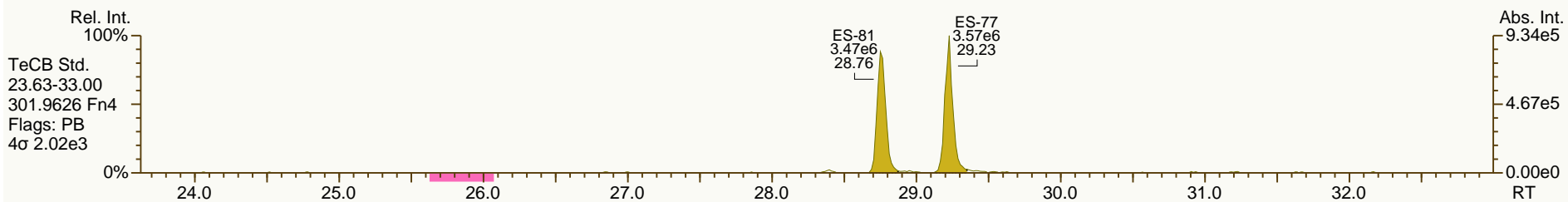
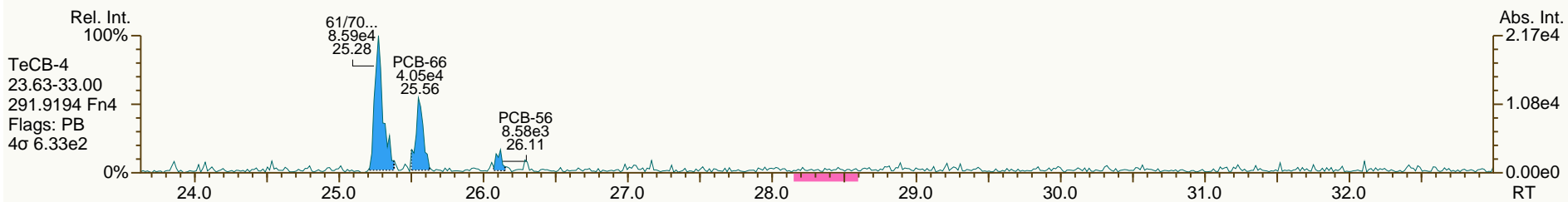
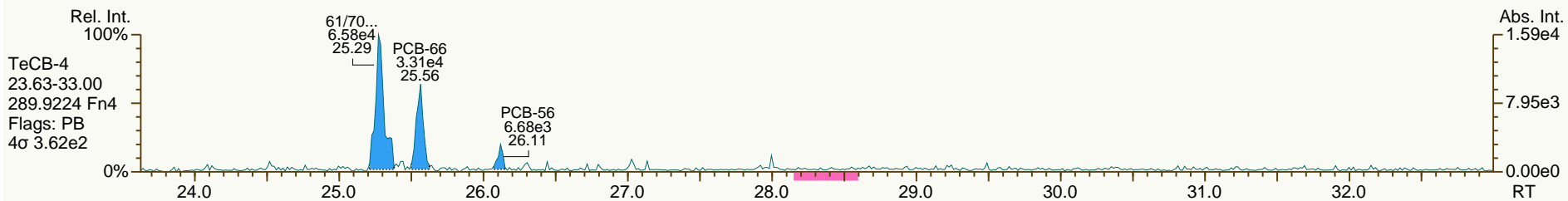
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

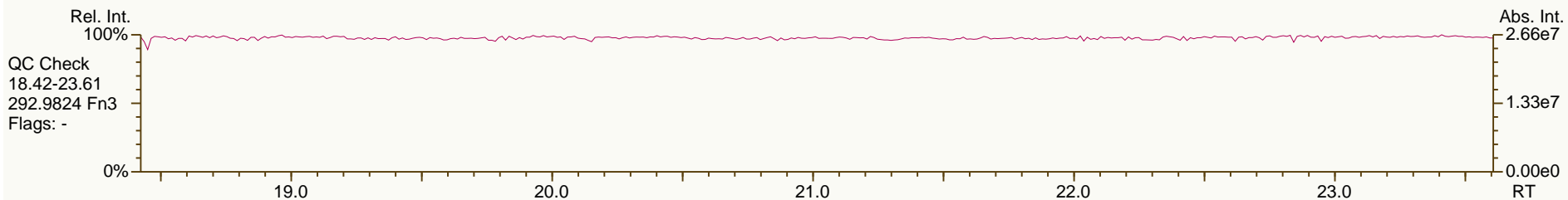
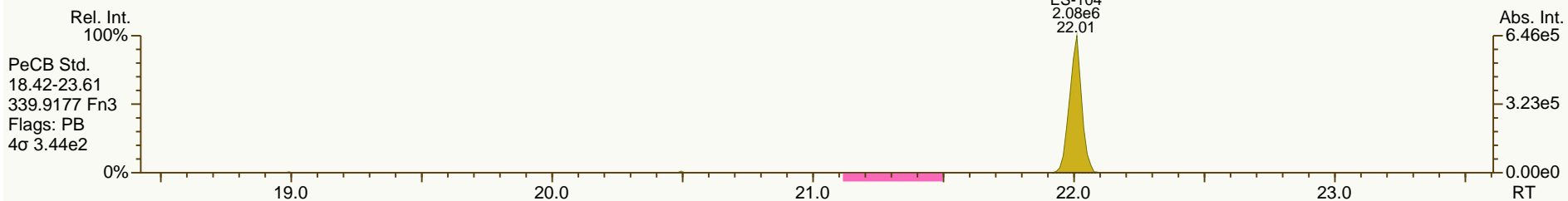
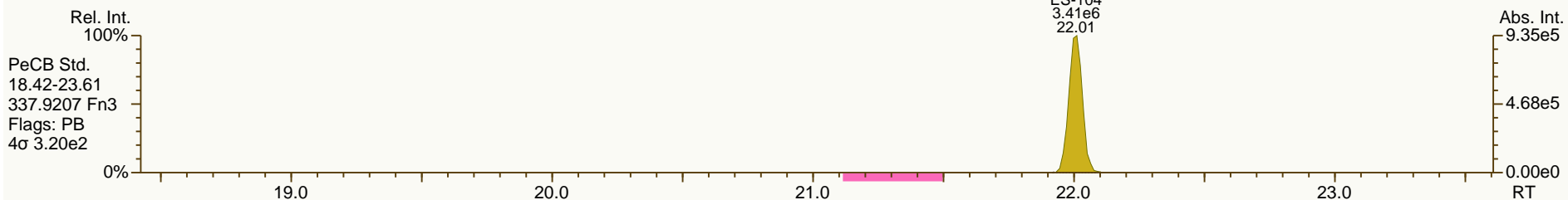
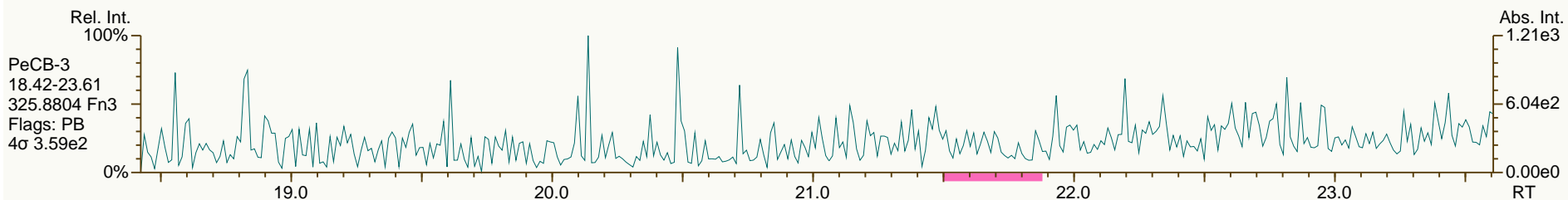
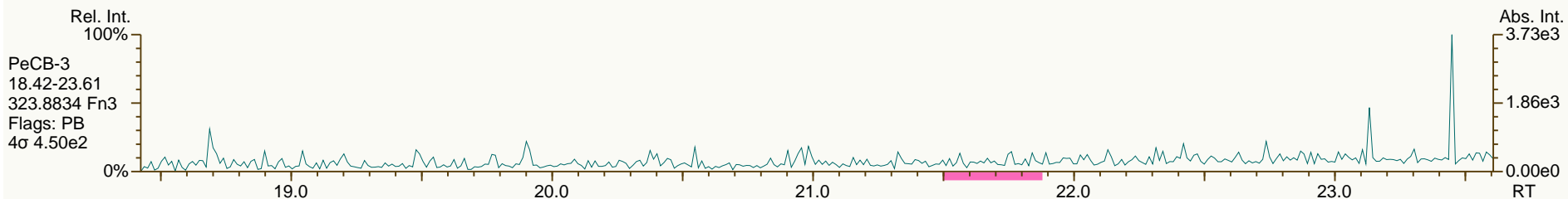
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

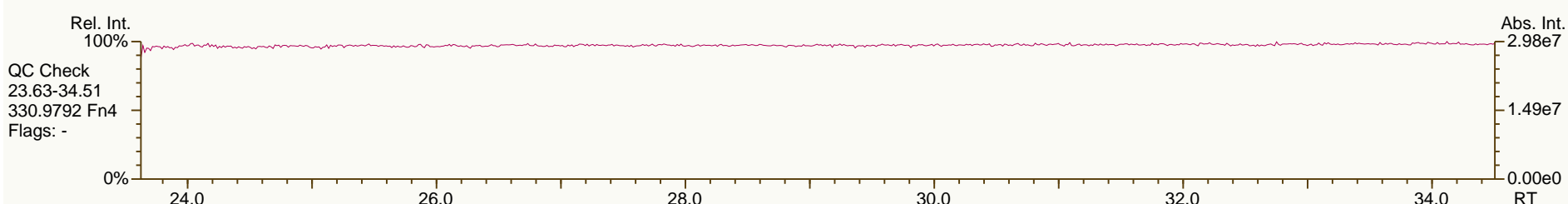
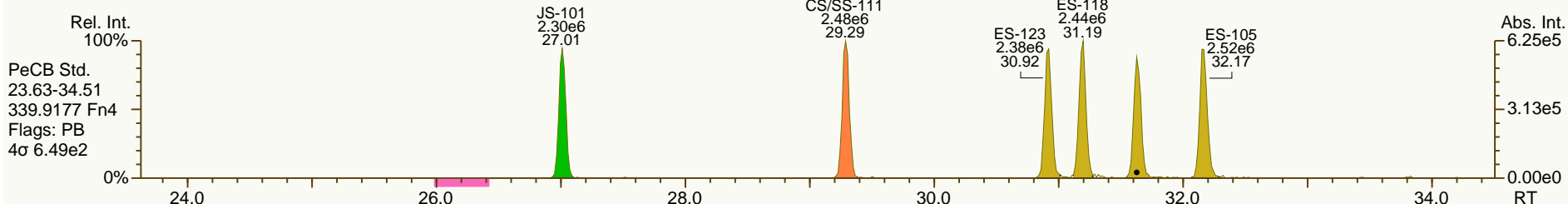
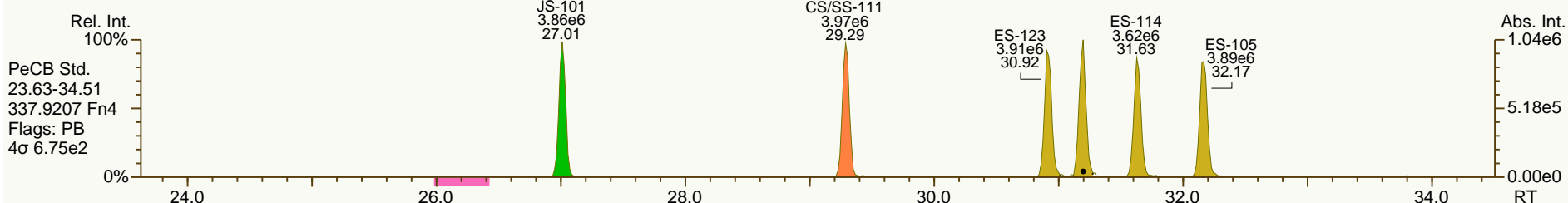
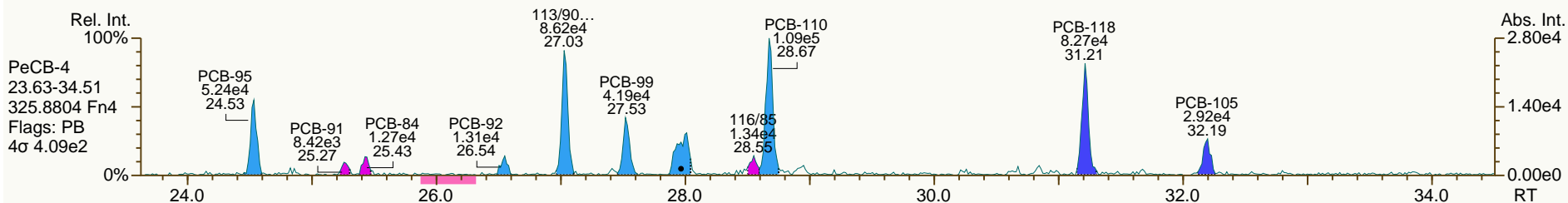
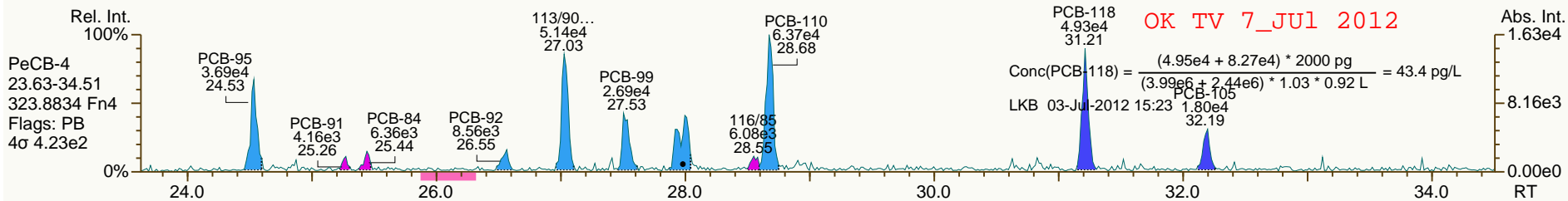
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

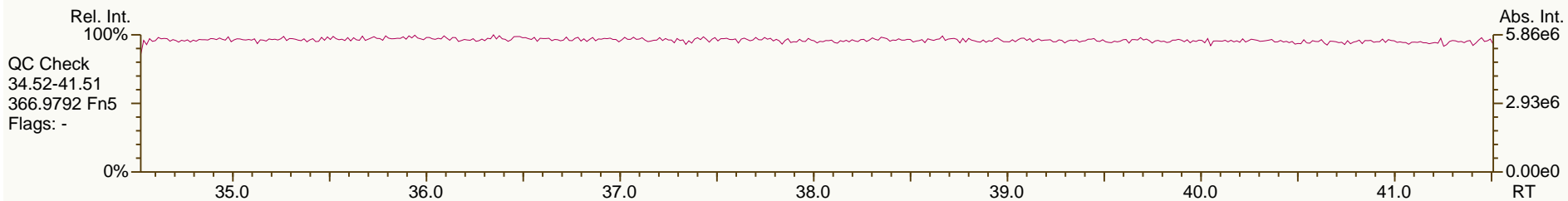
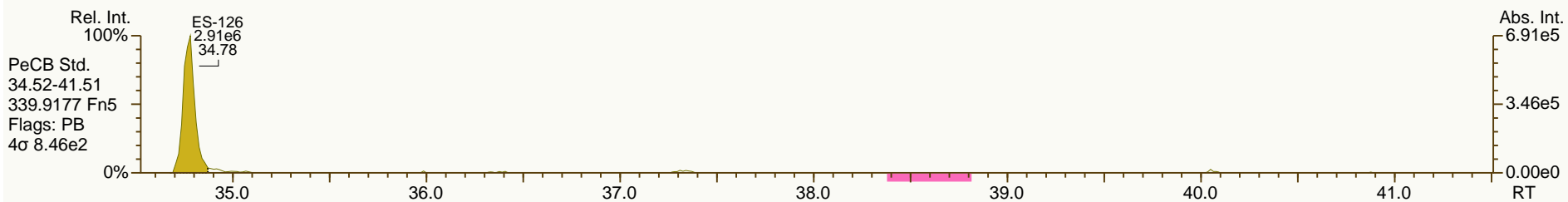
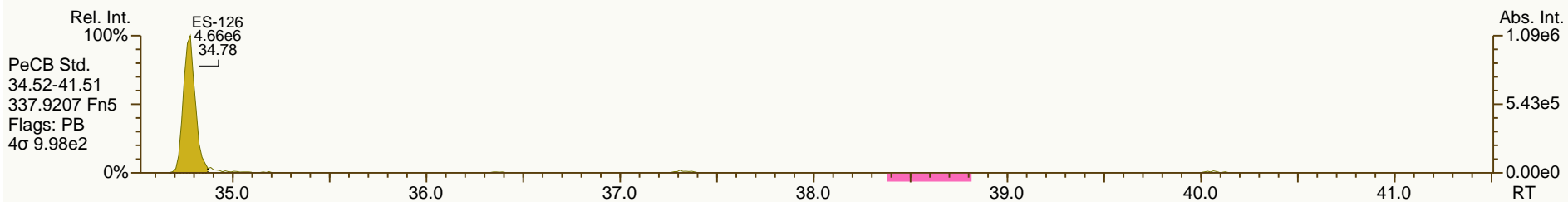
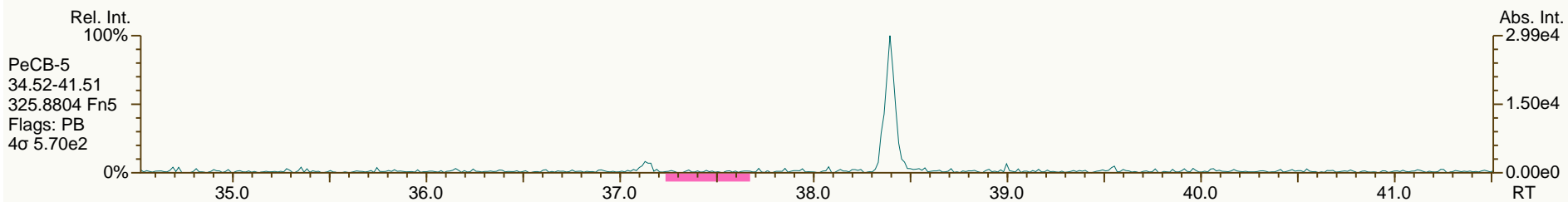
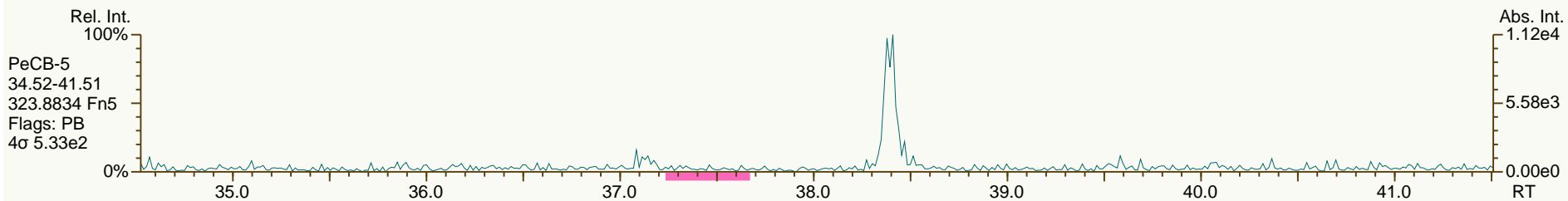
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

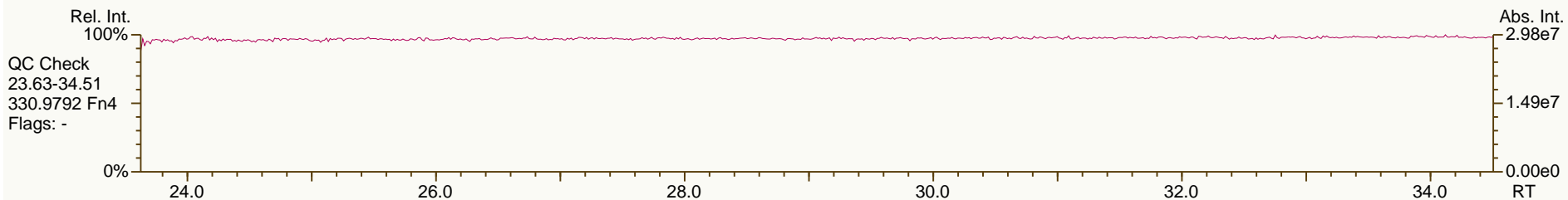
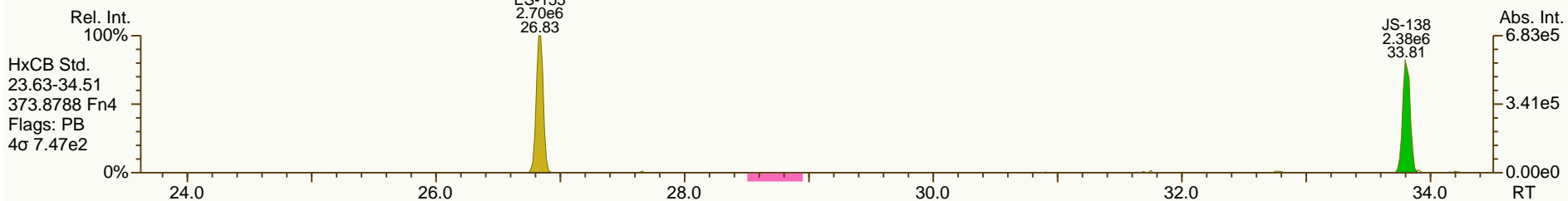
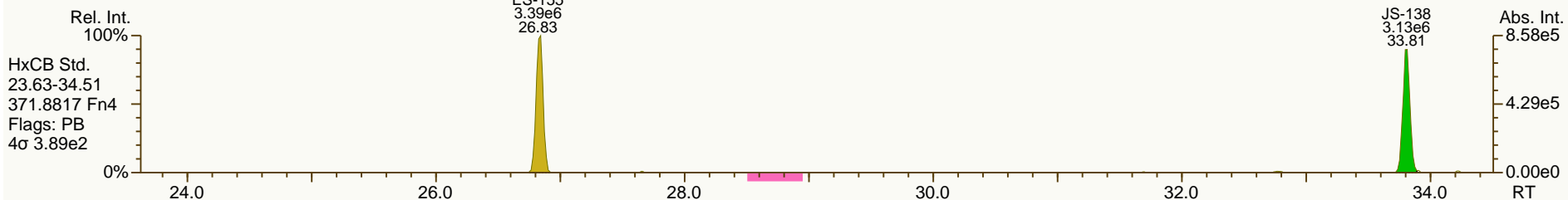
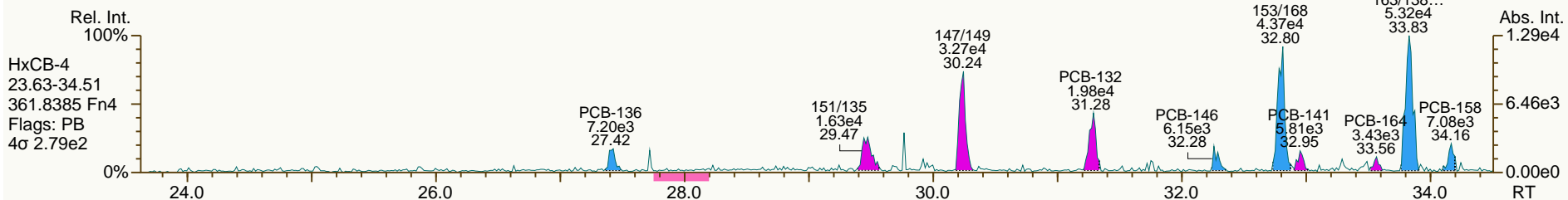
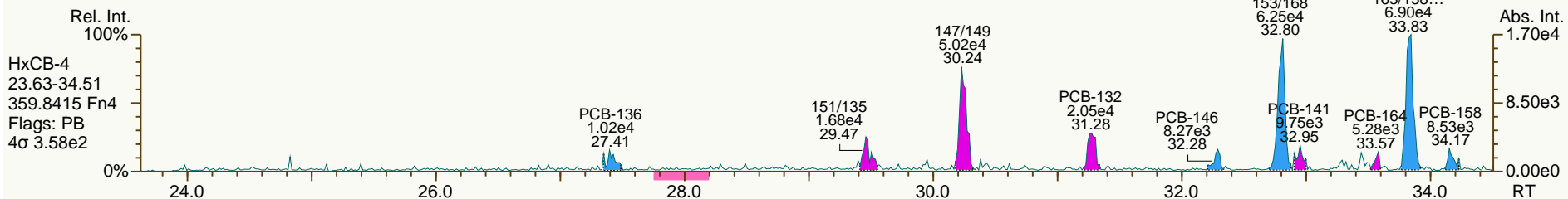
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

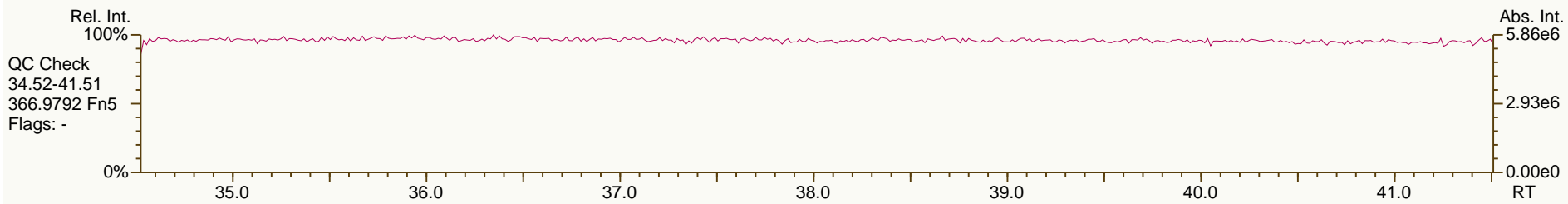
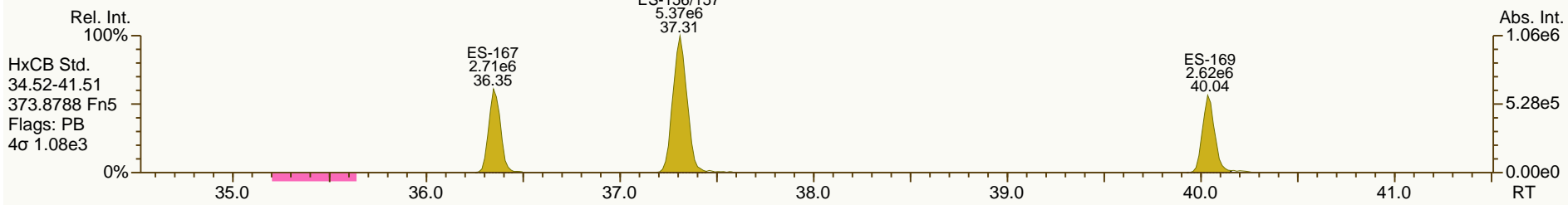
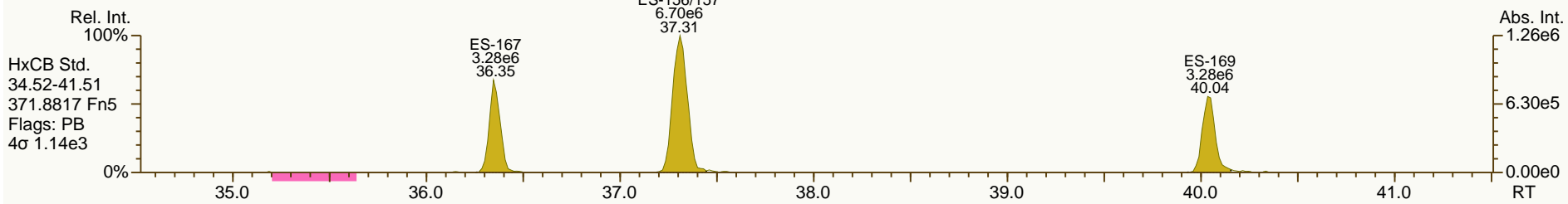
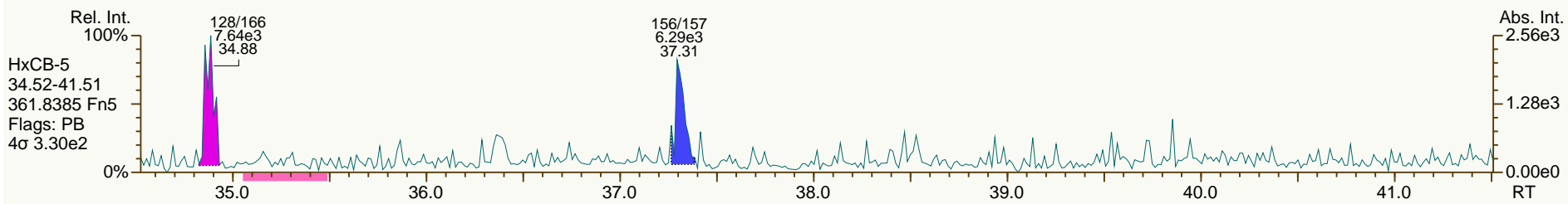
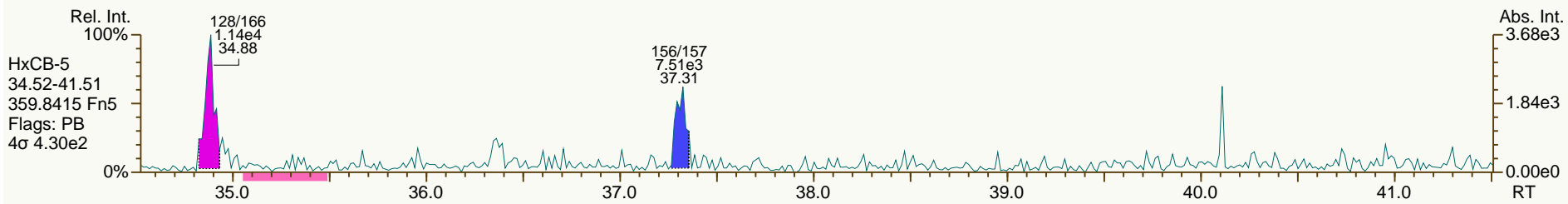
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

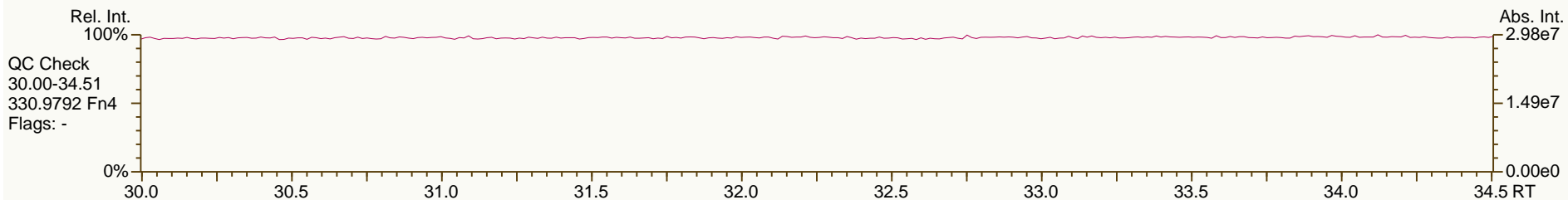
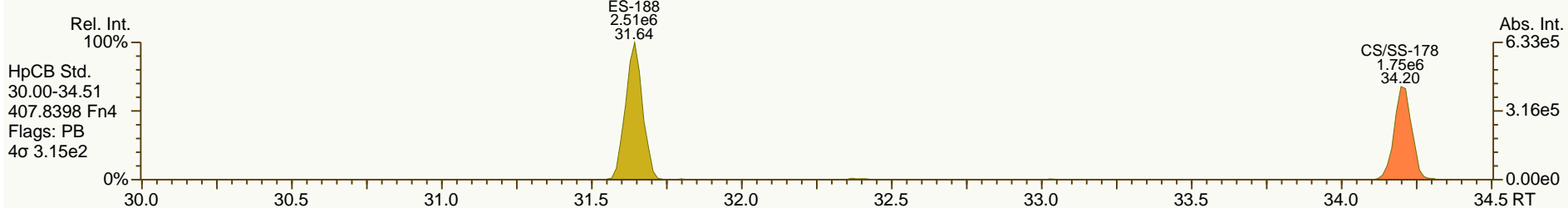
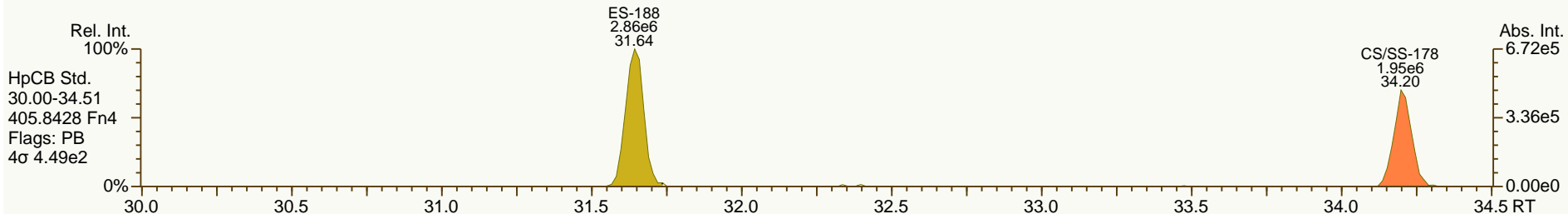
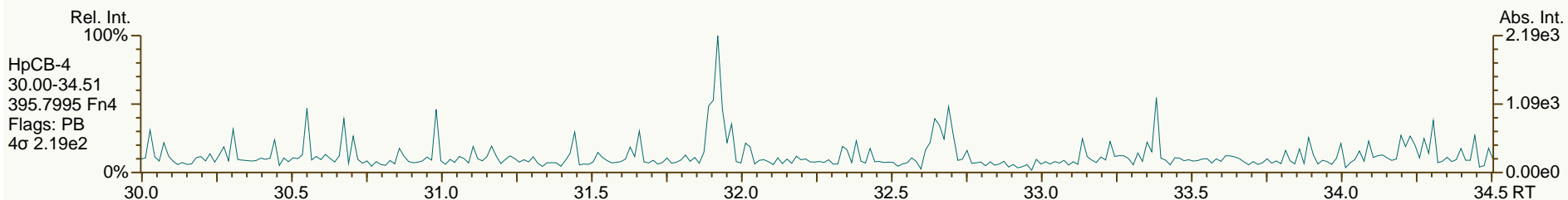
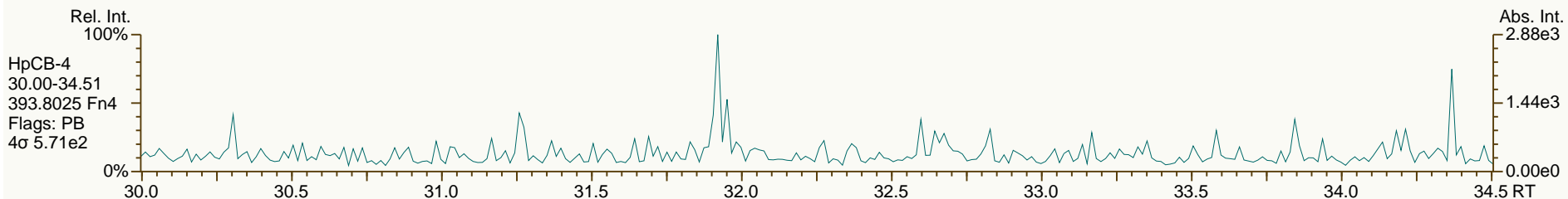
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

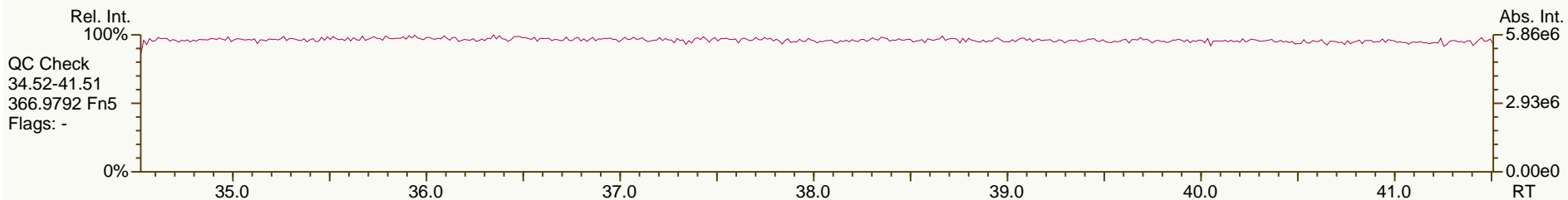
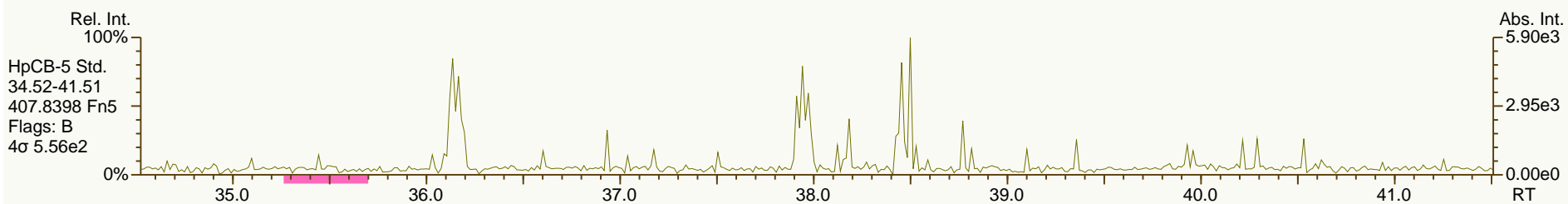
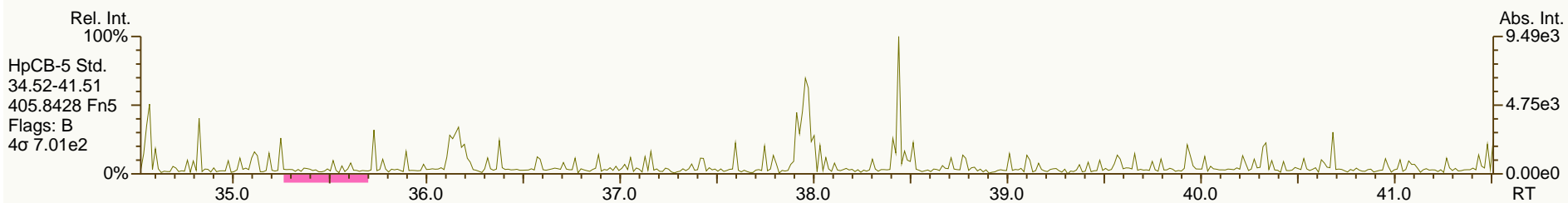
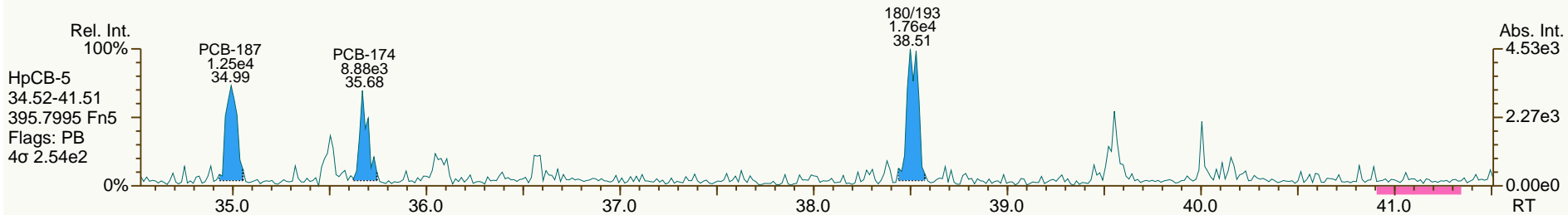
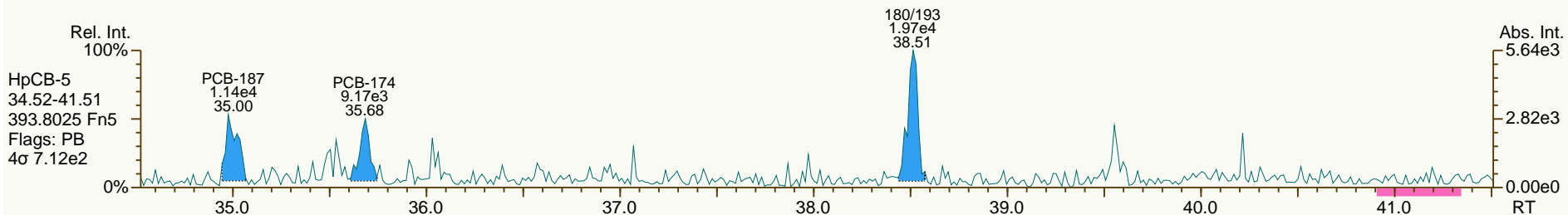
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

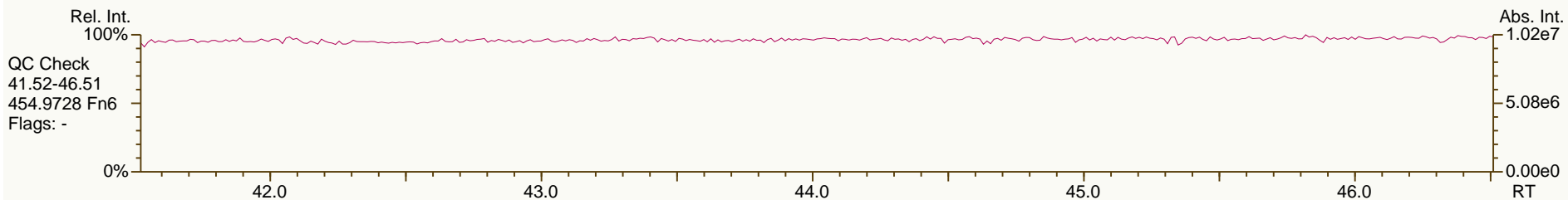
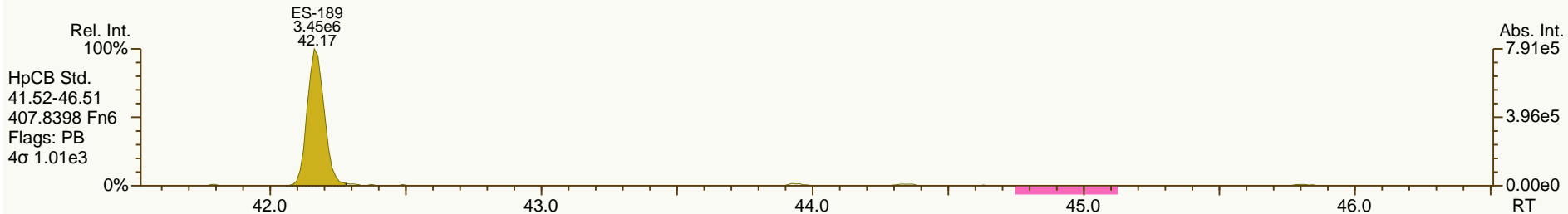
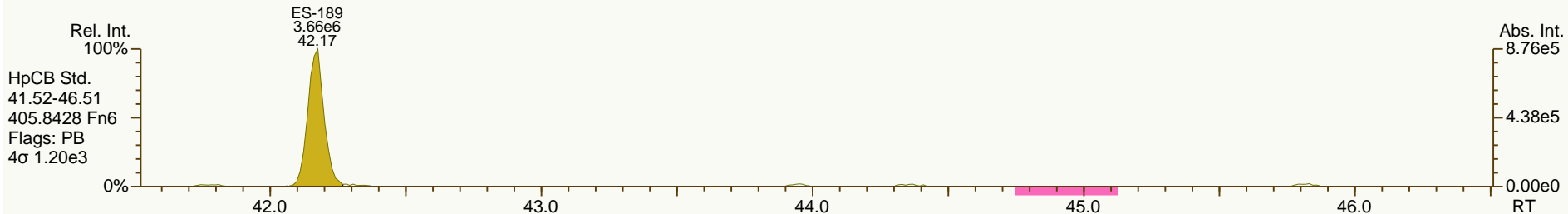
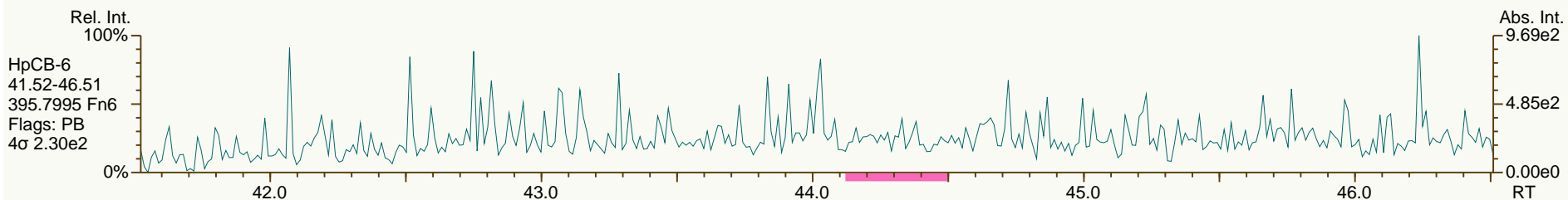
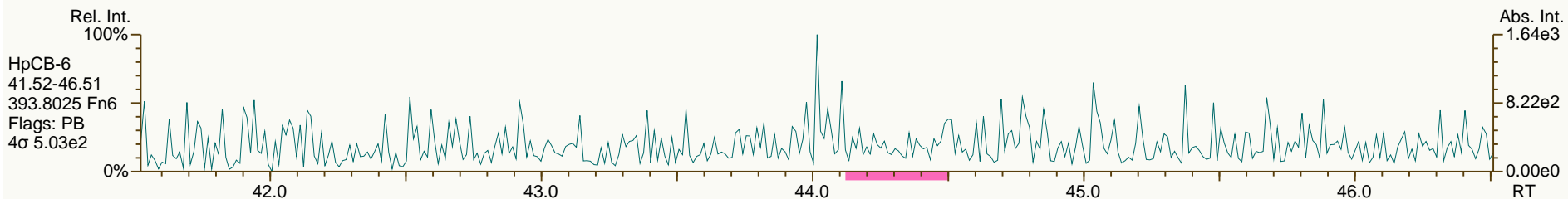
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

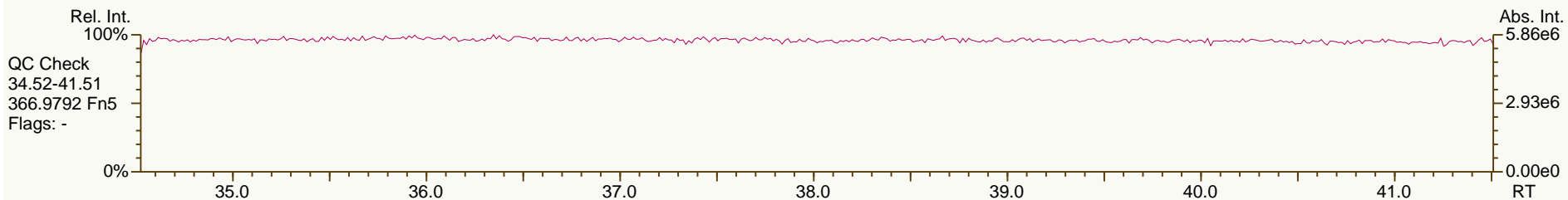
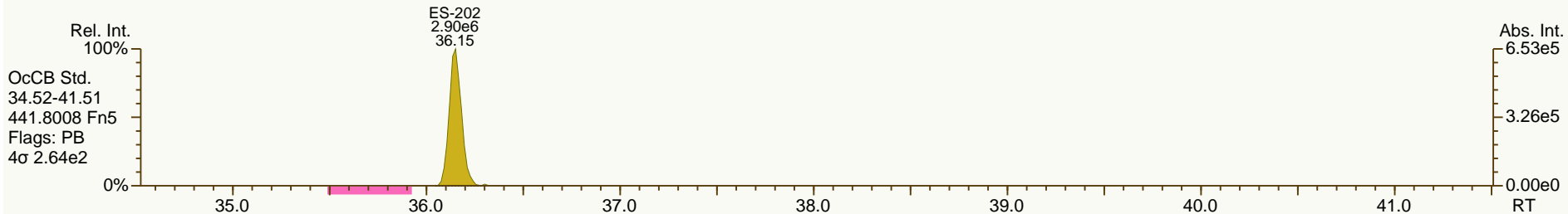
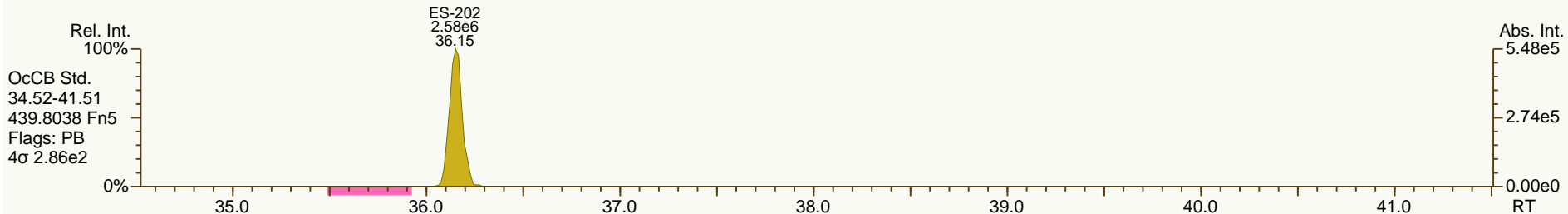
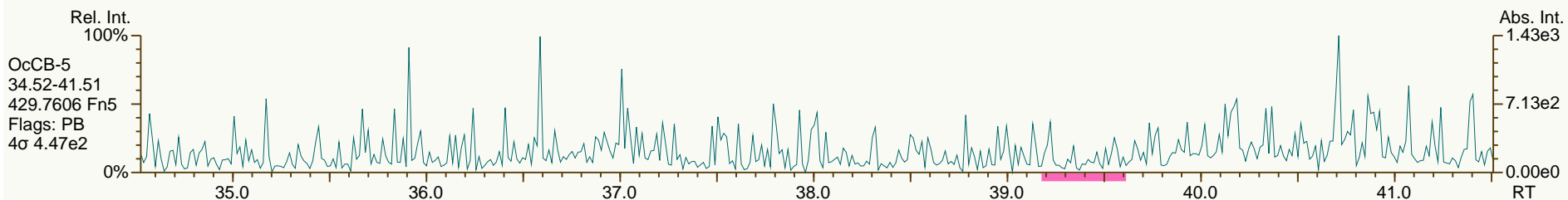
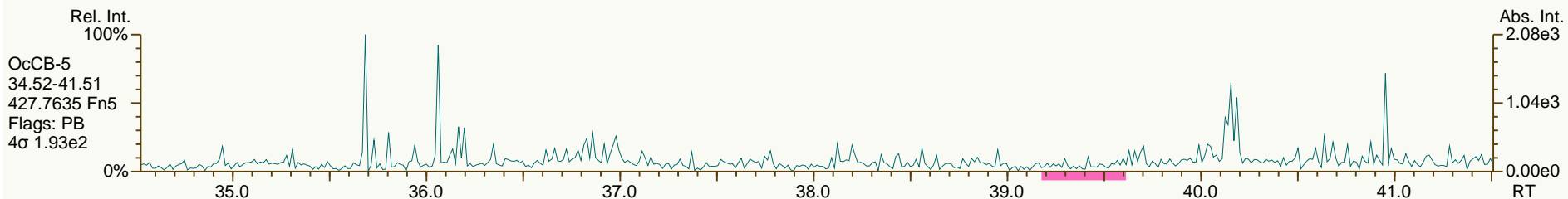
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

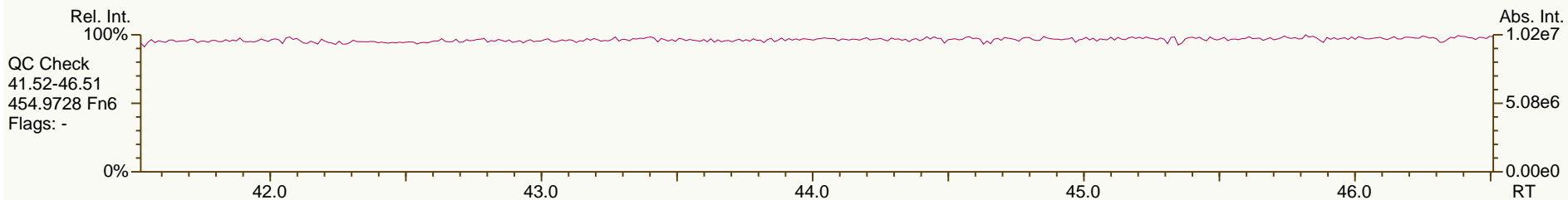
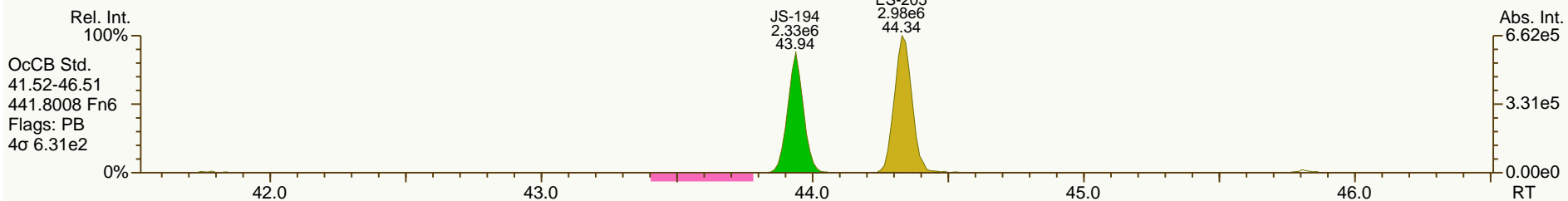
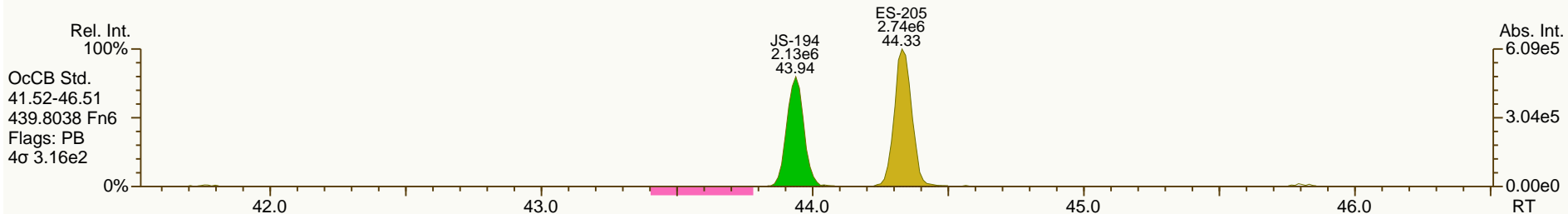
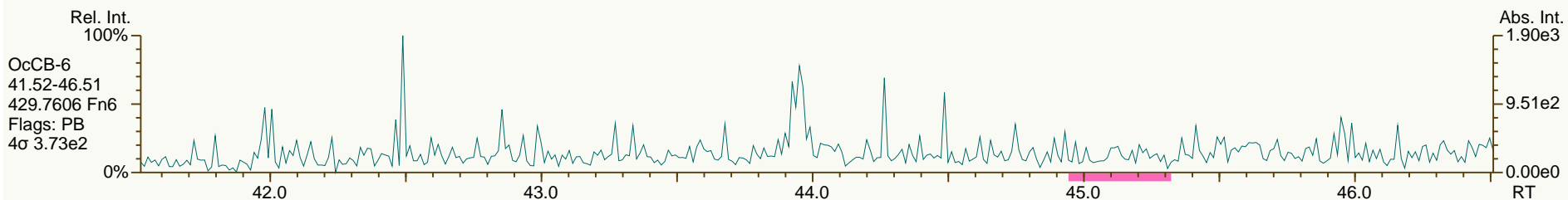
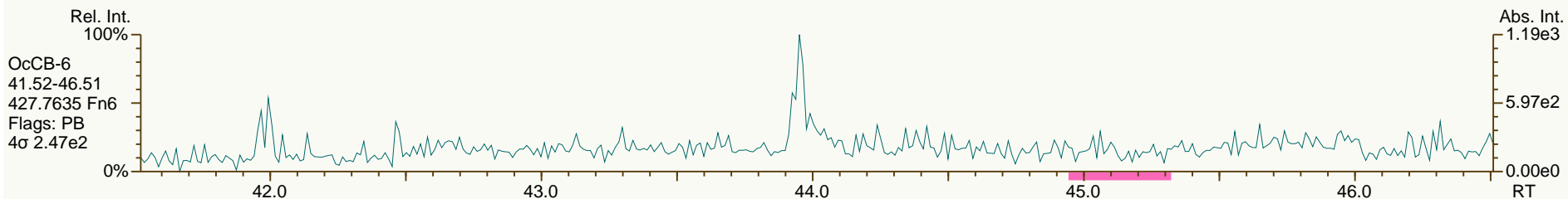
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

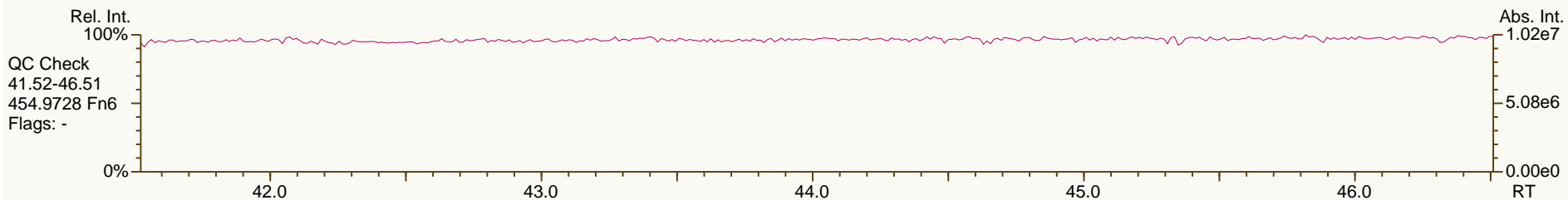
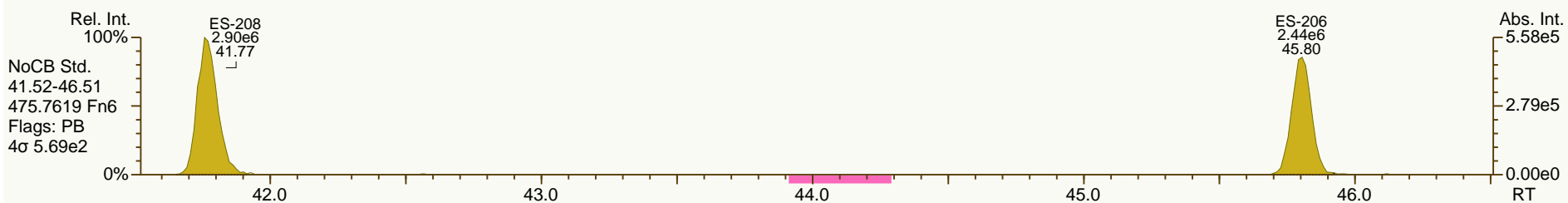
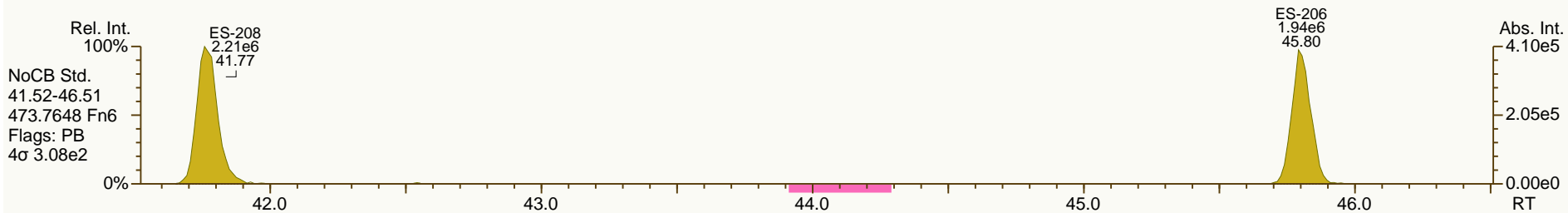
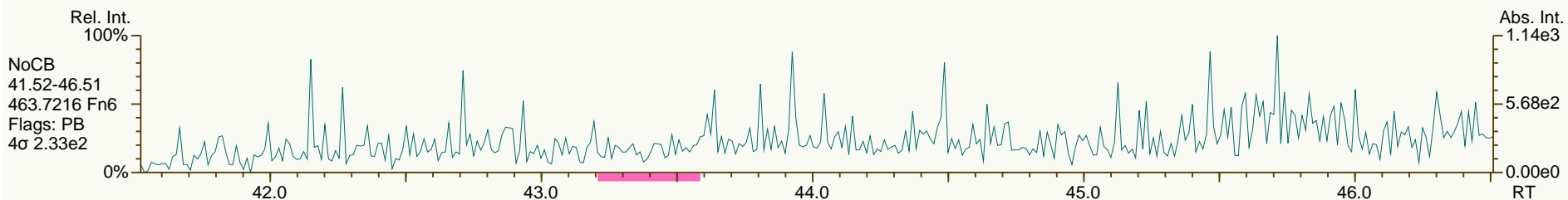
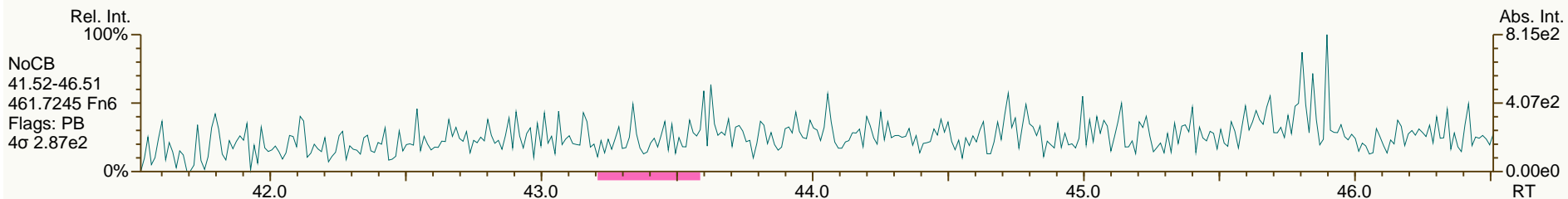
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

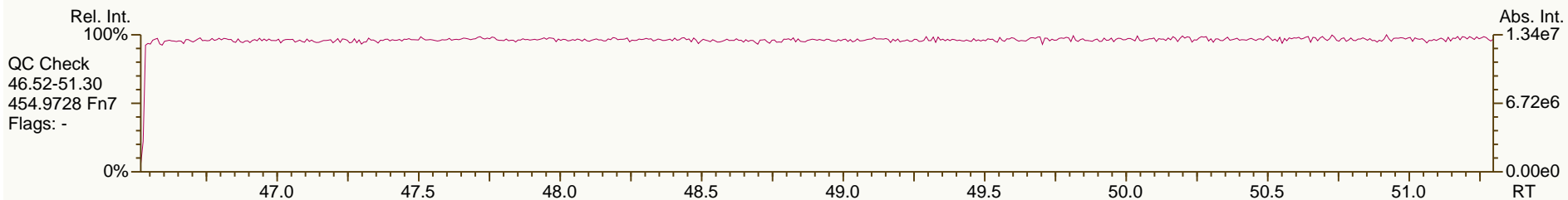
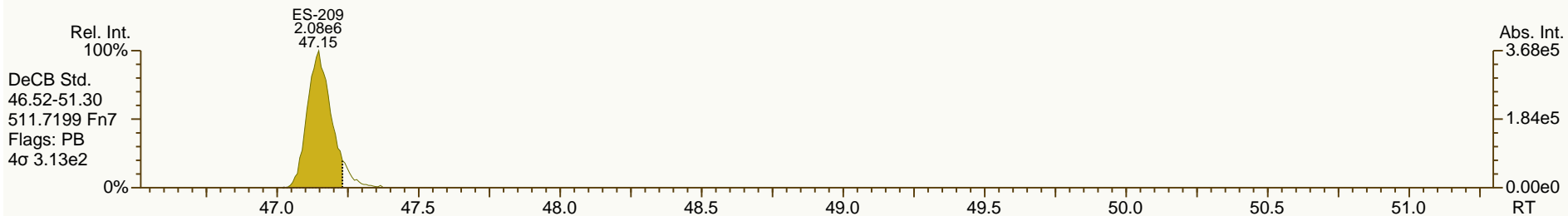
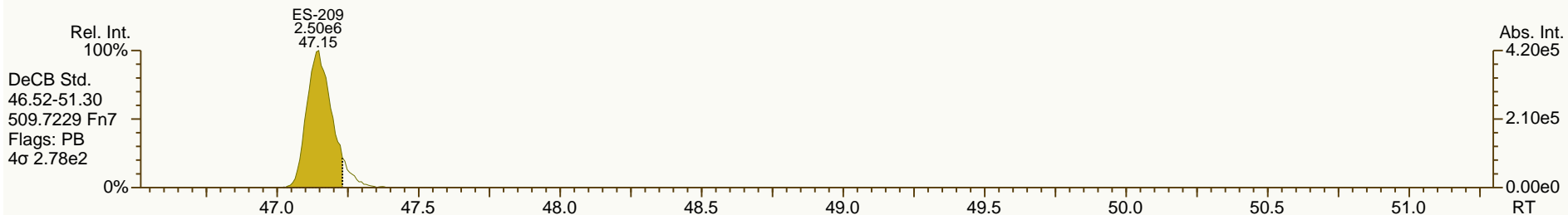
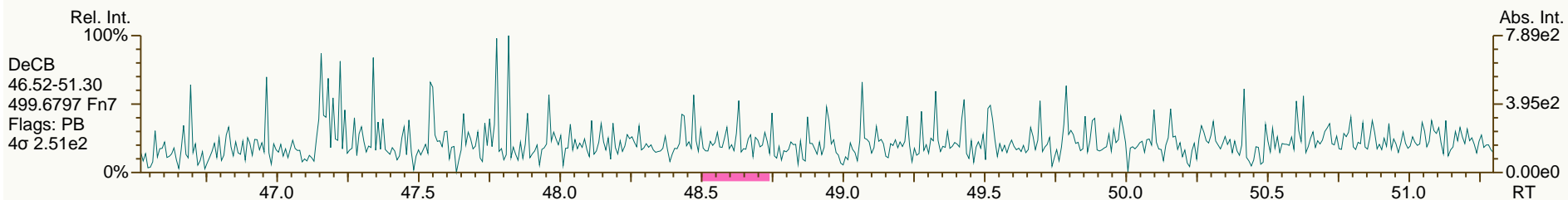
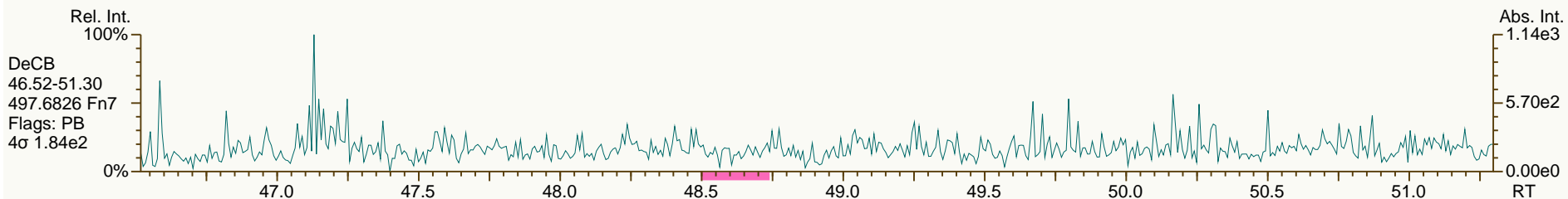
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

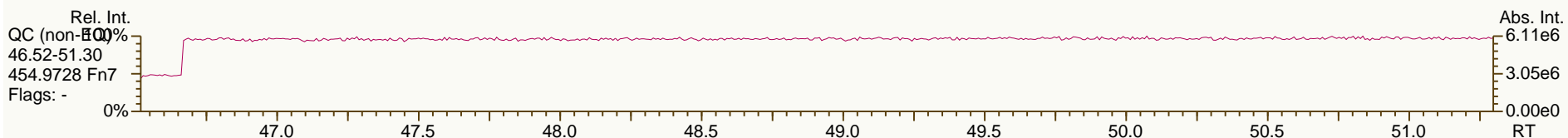
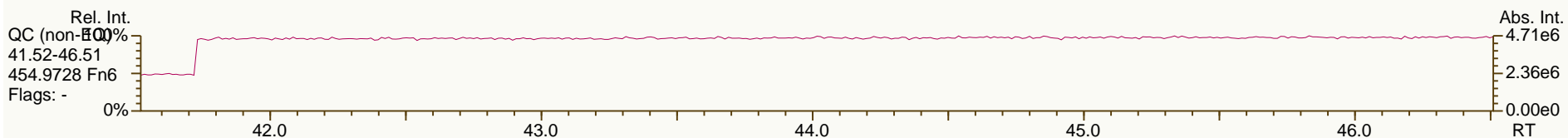
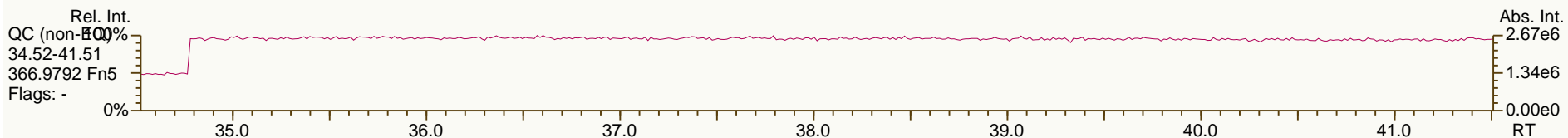
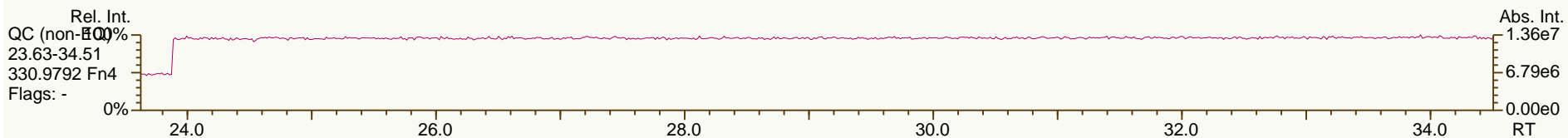
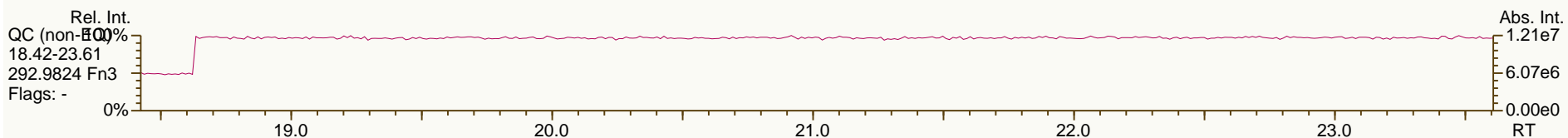
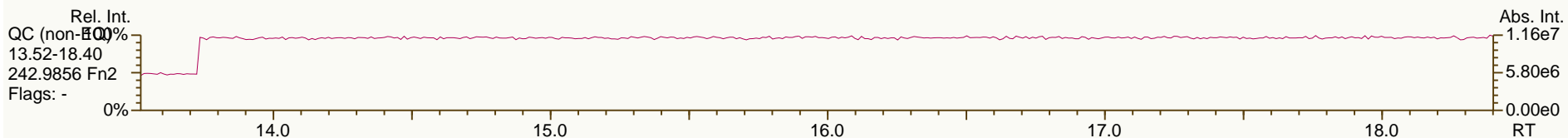
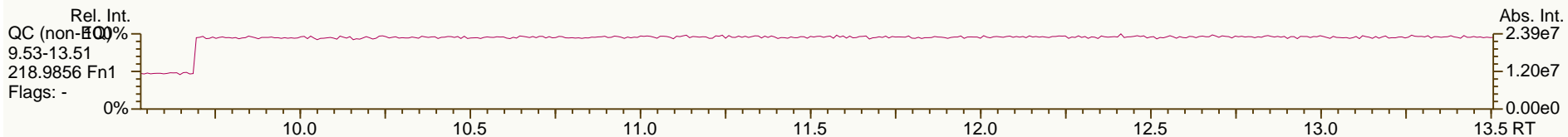
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



Analytical Perspectives — Run Log

Project: A4367_9888_PCB

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
3	120629S03	15	CS3_120629_PCB_SB	1.00	M1668-RETCO S40-51	LKB	700-838	29-Jun-2012	12:43:15
4	120629S06	10	OPR1_9888_PCB-RJ	1.00	OPR #71971	LKB	702-147	29-Jun-2012	13:36:22
6	120629S08	3	SBS_120629_PCB_SB	1.00	SIL9-41-1	LKB	725-464	29-Jun-2012	15:26:17
7	120629S09	11 ✓	MB1_9888_PCB_TLX	1.00	MB #71970	LKB	760-674	29-Jun-2012	16:41:37
9	120629S11	12	A4367_9888_PCB_001-RJ	1.06	JW-FB-120507	LKB	605-161	29-Jun-2012	18:29:41
10	120629S12	13 ✓	A4367_9888_PCB_002-RJ	0.92	JW-RB-120507	LKB	417-340	29-Jun-2012	19:24:39



= manual calculation

REVIEWED*By Laura Boivin at 3:43 pm, Jul 03, 2012***REVIEWED***By Todd Vilen at 7:42 am, Jul 06, 2012*

PCB QC Summary		SGS Analytical Perspectives			Processed: 3-Jul-2012 12:55		
Lab ID:	CS3_120629_PCB_SB						
Acquired:	29-JUN-2012 12:43		ICAL: MM4_PCB_01102012_26JAN12				
Datafile:	120629S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.24	5.13E+06	0.76 Y	1.22	1.26	3.1%	
PCB-81 344'5'-TeCB	28.77	5.04E+06	0.78 Y	1.24	1.21	-3.0%	
PCB-105 233'44'-PeCB	32.18	2.95E+06	0.61 Y	1.03	1.00	-2.4%	
PCB-114 2344'5'-PeCB	31.65	3.42E+06	0.59 Y	1.10	1.17	6.2%	
PCB-118 23'44'5'-PeCB	31.21	3.29E+06	0.61 Y	1.03	1.03	0.0%	
PCB-123 2'344'5'-PeCB	30.93	3.15E+06	0.61 Y	0.93	1.00	7.8%	
PCB-126 33'44'5'-PeCB	34.80	4.01E+06	0.63 Y	1.11	1.11	-0.3%	
PCB-156/157 233'44'5'/233'44'5'	37.33	5.96E+06	1.26 Y	1.05	1.10	5.5%	
PCB-167 23'44'55'-HxCB	36.37	3.15E+06	1.27 Y	1.08	1.16	7.5%	
PCB-169 33'44'55'-HxCB	40.06	2.68E+06	1.24 Y	1.04	1.05	0.2%	
PCB-189 233'44'55'-HpCB	42.19	3.54E+06	1.07 Y	1.11	1.15	3.6%	
PCB-209 DeCB	47.18	2.18E+06	1.18 Y	1.05	1.01	-3.3%	
ES PCB-1	9.83	1.23E+07	3.32 Y	1.01	0.94	-6.8%	
ES PCB-3	11.76	1.18E+07	3.32 Y	1.05	0.91	-14.0%	
ES PCB-4	11.96	7.29E+06	1.59 Y	0.70	0.56	-20.1%	
ES PCB-15	17.07	1.26E+07	1.64 Y	1.17	0.97	-17.4%	
ES PCB-19	14.66	6.76E+06	0.96 Y	0.57	0.52	-8.9%	
ES PCB-37	23.05	9.13E+06	1.08 Y	1.41	1.54	8.9%	
ES PCB-54	17.30	8.69E+06	0.78 Y	1.32	1.46	10.7%	
ES PCB-77	29.22	8.13E+06	0.81 Y	1.22	1.37	12.4%	
ES PCB-81	28.76	8.36E+06	0.81 Y	1.15	1.41	22.2%	
ES PCB-104	22.00	7.02E+06	1.56 Y	1.69	1.37	-18.7%	
ES PCB-105	32.16	5.88E+06	1.58 Y	1.21	1.15	-4.7%	
ES PCB-114	31.63	5.87E+06	1.58 Y	1.23	1.15	-6.9%	
ES PCB-118	31.19	6.36E+06	1.64 Y	1.25	1.24	-0.1%	
ES PCB-123	30.91	6.31E+06	1.60 Y	1.33	1.23	-6.9%	
ES PCB-126	34.77	7.22E+06	1.68 Y	1.36	1.41	4.1%	
ES PCB-153	-	-	-	-	-	-	
ES PCB-155	26.83	7.10E+06	1.16 Y	1.40	1.52	8.0%	
ES PCB-156/157	37.31	1.08E+07	1.28 Y	1.13	1.16	2.0%	
ES PCB-167	36.35	5.43E+06	1.22 Y	1.13	1.16	2.6%	
ES PCB-169	40.04	5.12E+06	1.27 Y	1.14	1.09	-4.3%	
ES PCB-170	-	-	-	-	-	-	
ES PCB-180	-	-	-	-	-	-	
ES PCB-188	31.64	5.97E+06	1.12 Y	1.34	1.27	-4.9%	
ES PCB-189	42.17	6.15E+06	1.05 Y	1.77	1.77	0.0%	
ES PCB-202	36.15	5.50E+06	0.93 Y	1.27	1.17	-7.6%	
ES PCB-205	44.33	5.01E+06	0.87 Y	1.25	1.44	15.0%	
ES PCB-206	45.80	3.89E+06	0.79 Y	1.07	1.12	4.6%	
ES PCB-208	41.77	4.63E+06	0.79 Y	1.34	1.33	-0.8%	
ES PCB-209	47.16	4.30E+06	1.23 Y	1.18	1.23	4.2%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 3-Jul-2012 12:55		
Lab ID:	CS3_120629_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	29-JUN-2012 12:43						
Datafile:	120629S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.66	1.00E+07	1.03 Y	0.98	1.10	12.0%	
SS PCB-111	29.28	6.87E+06	1.63 Y	0.90	1.09	21.3%	
SS PCB-178	34.20	3.99E+06	1.04 Y	0.65	0.67	3.1%	
CS PCB-28	19.66	1.00E+07	1.03 Y	1.39	1.69	22.0%	
CS PCB-111	29.28	6.87E+06	1.63 Y	1.19	1.34	12.9%	
CS PCB-178	34.20	3.99E+06	1.04 Y	0.87	0.85	-2.0%	
JS PCB-9	13.70	1.31E+07	1.62 Y		-	-	
JS PCB-52	21.20	5.94E+06	0.76 Y		-	-	
JS PCB-101	27.01	5.11E+06	1.65 Y		-	-	
JS PCB-138	33.80	4.68E+06	1.31 Y		-	-	
JS PCB-194	43.93	3.48E+06	0.89 Y		-	-	
PCB-1 2-MoCB	9.84	7.70E+06	3.27 Y	1.20	1.25	4.1%	
PCB-3 4-MoCB	11.77	7.36E+06	3.25 Y	1.13	1.24	10.0%	
PCB-4 22'-DiCB	11.97	3.88E+06	1.40 Y	0.94	1.07	12.8%	
PCB-15 44'-DiCB	17.09	6.95E+06	1.65 Y	1.01	1.10	9.3%	
PCB-19 22'6'-TrCB	14.67	3.24E+06	1.07 Y	1.01	0.96	-5.1%	
PCB-37 344'-TrCB	23.06	5.59E+06	1.06 Y	1.20	1.22	2.2%	
PCB-54 22'66'-TeCB	17.31	3.87E+06	0.78 Y	0.93	0.89	-4.6%	
PCB-104 22'466'-PeCB	22.02	3.56E+06	0.62 Y	0.92	1.02	10.7%	
PCB-155 22'44'66'-HxCB	26.85	3.68E+06	1.30 Y	1.06	1.04	-1.9%	
PCB-188 22'34'566'-HpCB	31.66	3.21E+06	1.06 Y	1.07	1.08	1.0%	
PCB-202 22'33'55'66'-OcCB	36.17	2.31E+06	0.91 Y	0.83	0.84	1.4%	
PCB-205 233'44'55'6'-OcCB	44.35	2.36E+06	0.89 Y	1.09	0.94	-13.7%	
PCB-208 22'33'455'66'-NoCB	41.79	2.15E+06	0.80 Y	0.98	0.93	-4.8%	
PCB-206 22'33'44'55'6'-NoCB	45.82	1.69E+06	0.77 Y	0.93	0.87	-6.8%	

PCB QC Summary - Ax2 Detail				Processed: 3-Jul-2012 12:55			
Lab ID:	CS3_120629_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	29-JUN-2012 12:43						
Datafile:	120629S03						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	9.84	7.70E+06	3.27 Y	1.20	-	-	
PCB-2 3-MoCB	11.61	7.32E+06	3.31 Y	1.13	1.24	9.4%	
PCB-3 4-MoCB	11.77	7.36E+06	3.25 Y	1.13	-	-	
PCB-4 22'-DiCB	11.97	3.88E+06	1.40 Y	0.94	-	-	
PCB-10 26'-DiCB	12.13	5.94E+06	1.47 Y	1.43	1.63	13.7%	
PCB-9 25'-DiCB	13.72	6.35E+06	1.61 Y	0.87	1.00	15.7%	
PCB-7 24'-DiCB	13.86	7.40E+06	1.53 Y	1.00	1.17	16.6%	
PCB-6 23'-DiCB	14.06	6.76E+06	1.59 Y	0.94	1.07	14.0%	
PCB-5 23'-DiCB	14.32	6.85E+06	1.58 Y	0.92	1.08	17.7%	
PCB-8 24'-DiCB	14.43	7.37E+06	1.54 Y	0.95	1.17	22.8%	
PCB-14 35'-DiCB	15.85	8.11E+06	1.59 Y	1.09	1.28	17.2%	
PCB-11 33'-DiCB	16.56	6.67E+06	1.63 Y	0.98	1.06	8.0%	
PCB-13/12 34'-/34'-DiCB	16.82	1.40E+07	1.54 Y	0.97	1.11	14.1%	
PCB-15 44'-DiCB	17.09	6.95E+06	1.65 Y	1.01	-	-	
PCB-19 22'6-TrCB	14.67	3.24E+06	1.07 Y	1.01	-	-	
PCB-30/18 246-/22'5-TrCB	16.29	8.37E+06	1.03 Y	1.29	1.24	-4.2%	
PCB-17 22'4-TrCB	16.65	3.48E+06	1.06 Y	1.14	1.03	-9.3%	
PCB-27 23'6-TrCB	16.83	4.73E+06	1.07 Y	1.48	1.40	-5.6%	
PCB-24 236-TrCB	16.94	4.51E+06	1.04 Y	1.43	1.34	-6.7%	
PCB-16 22'3-TrCB	17.03	2.74E+06	1.10 Y	0.89	0.81	-9.3%	
PCB-32 24'6-TrCB	17.48	5.04E+06	1.05 Y	1.56	1.49	-4.3%	
PCB-34 2'35-TrCB	18.57	5.80E+06	1.06 Y	1.18	1.27	7.7%	
PCB-23 235-TrCB	18.71	6.06E+06	1.05 Y	1.19	1.33	11.9%	
PCB-26/29 23'5-/245-TrCB	18.98	1.22E+07	1.06 Y	1.20	1.34	11.5%	
PCB-25 23'4-TrCB	19.16	6.12E+06	1.05 Y	1.19	1.34	12.5%	
PCB-31 24'5-TrCB	19.42	6.31E+06	1.07 Y	1.23	1.38	12.8%	
PCB-28/20 244'-/233'-TrCB	19.68	1.21E+07	1.07 Y	1.18	1.32	12.1%	
PCB-21/33 234-/2'34-TrCB	19.84	1.24E+07	1.08 Y	1.21	1.36	11.9%	
PCB-22 234'-TrCB	20.20	5.62E+06	1.07 Y	1.11	1.23	10.4%	
PCB-36 33'5-TrCB	21.55	5.97E+06	1.07 Y	1.21	1.31	7.9%	
PCB-39 34'5-TrCB	21.85	6.33E+06	1.07 Y	1.32	1.39	5.2%	
PCB-38 345-TrCB	22.33	5.52E+06	1.07 Y	1.15	1.21	4.8%	
PCB-35 33'4-TrCB	22.72	5.43E+06	1.03 Y	1.13	1.19	4.9%	
PCB-37 344'-TrCB	23.06	5.59E+06	1.06 Y	1.20	-	-	
PCB-54 22'66'-TeCB	17.31	3.87E+06	0.78 Y	0.93	-	-	
PCB-50/53 22'46-/22'56'TeCB	19.19	6.33E+06	0.78 Y	0.83	0.76	-9.0%	
PCB-45 22'36'-TeCB	19.73	2.70E+06	0.74 Y	0.71	0.65	-8.3%	
PCB-51 22'46'-TeCB	19.81	3.16E+06	0.78 Y	0.88	0.76	-13.9%	
PCB-46 22'36'-TeCB	19.99	2.54E+06	0.77 Y	0.69	0.61	-12.6%	
PCB-52 22'55'-TeCB	21.23	2.90E+06	0.78 Y	0.80	0.69	-13.5%	
PCB-73 23'5'6TeCB	21.35	3.93E+06	0.77 Y	1.03	0.94	-8.9%	

Lab ID: - Ax2 Detail		Processed: 3-Jul-2012 12:55					
Lab ID:	CS3_120629_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	29-JUN-2012 12:43						
Datafile:	120629S03						
Name	RT	Response	RA		RRF		
PCB-43 22'35'-TeCB	21.43	2.63E+06	0.78 Y	0.71	0.63	-10.8%	
PCB-69/49 23'46-/22'45'TeCB	21.62	7.38E+06	0.77 Y	0.96	0.88	-8.0%	
PCB-48 22'45'-TeCB	21.88	2.98E+06	0.77 Y	0.84	0.71	-14.7%	
PCB-44/47/65 22'35'-/22'44'-	22.09	9.65E+06	0.77 Y	0.86	0.77	-10.5%	
PCB-59/62/75 233'6-/2346-/24	22.35	1.23E+07	0.77 Y	1.09	0.98	-10.2%	
PCB-42 22'34'-TeCB	22.50	2.86E+06	0.77 Y	0.77	0.68	-10.7%	
PCB-41 22'34'-TeCB	22.81	2.54E+06	0.78 Y	0.73	0.61	-16.4%	
PCB-71/40 23'4'6/22'33'-TeCB	22.91	6.20E+06	0.79 Y	0.81	0.74	-8.8%	
PCB-64 234'6'-TeCB	23.11	4.31E+06	0.77 Y	1.17	1.03	-11.6%	
PCB-72 23'55'-TeCB	23.85	5.31E+06	0.78 Y	1.25	1.27	1.4%	
PCB-68 23'45'-TeCB	24.09	5.75E+06	0.77 Y	1.36	1.38	1.0%	
PCB-57 233'5'-TeCB	24.44	5.14E+06	0.76 Y	1.22	1.23	0.4%	
PCB-58 233'5'-TeCB	24.63	5.23E+06	0.79 Y	1.26	1.25	-0.5%	
PCB-67 23'45'-TeCB	24.78	5.37E+06	0.76 Y	1.27	1.28	0.7%	
PCB-63 234'5'-TeCB	25.00	5.67E+06	0.78 Y	1.34	1.36	1.6%	
PCB-61/70/74/76 2345-/23'4'5	25.28	2.13E+07	0.78 Y	1.24	1.28	2.6%	
PCB-66 23'44'-TeCB	25.55	4.91E+06	0.77 Y	1.19	1.18	-1.0%	
PCB-55 233'4'-TeCB	25.68	5.21E+06	0.77 Y	1.22	1.25	2.3%	
PCB-56 233'4'-TeCB	26.11	4.88E+06	0.79 Y	1.18	1.17	-0.9%	
PCB-60 2344'-TeCB	26.29	5.20E+06	0.79 Y	1.24	1.25	0.6%	
PCB-80 33'55'-TeCB	26.67	5.84E+06	0.78 Y	1.37	1.40	1.8%	
PCB-79 33'45'-TeCB	27.94	5.52E+06	0.80 Y	1.37	1.32	-3.4%	
PCB-78 33'45'-TeCB	28.41	4.76E+06	0.77 Y	1.19	1.14	-4.5%	
PCB-104 22'466'-PeCB	22.02	3.56E+06	0.62 Y	0.92	-	-	
PCB-96 22'366'-PeCB	22.31	3.05E+06	0.62 Y	0.81	0.87	7.4%	
PCB-103 22'45'6'-PeCB	23.99	2.65E+06	0.61 Y	0.78	0.84	8.2%	
PCB-94 22'356'-PeCB	24.16	2.35E+06	0.62 Y	0.71	0.74	4.3%	
PCB-95 22'35'6'-PeCB	24.53	2.41E+06	0.62 Y	0.74	0.76	3.1%	
PCB-100/93 22'44'6-/22'356-P	24.73	5.12E+06	0.59 Y	0.75	0.81	8.8%	
PCB-102 22'456'-PeCB	24.84	2.53E+06	0.58 Y	0.75	0.80	7.2%	
PCB-98 22'3'46'-PeCB	24.90	2.42E+06	0.60 Y	0.71	0.77	7.9%	
PCB-88 22'346'-PeCB	25.19	2.45E+06	0.59 Y	0.66	0.78	16.8%	
PCB-91 22'34'6'-PeCB	25.26	2.62E+06	0.61 Y	0.84	0.83	-1.1%	
PCB-84 22'33'6'-PeCB	25.43	2.15E+06	0.61 Y	0.65	0.68	4.8%	
PCB-89 22'346'-PeCB	25.84	2.24E+06	0.61 Y	0.69	0.71	3.2%	
PCB-121 23'45'6'-PeCB	26.24	3.38E+06	0.60 Y	0.98	1.07	8.8%	
PCB-92 22'355'-PeCB	26.54	2.38E+06	0.61 Y	0.72	0.75	5.1%	
PCB-113/90/101 233'5'6-/22'3	27.01	8.27E+06	0.61 Y	0.81	0.87	8.1%	
PCB-83 22'33'5'-PeCB	27.41	1.96E+06	0.60 Y	0.62	0.62	-0.4%	

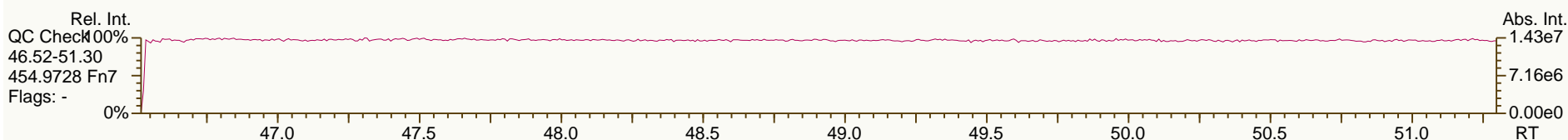
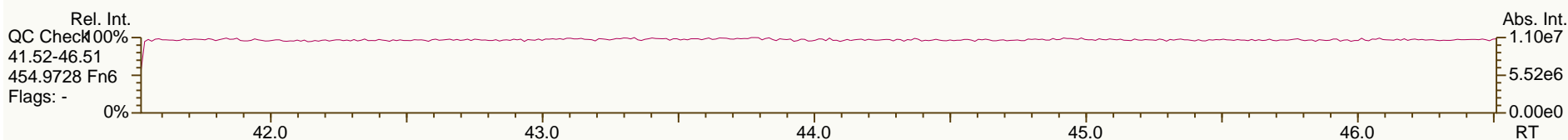
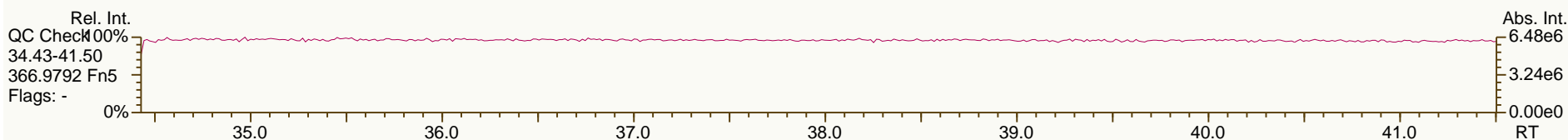
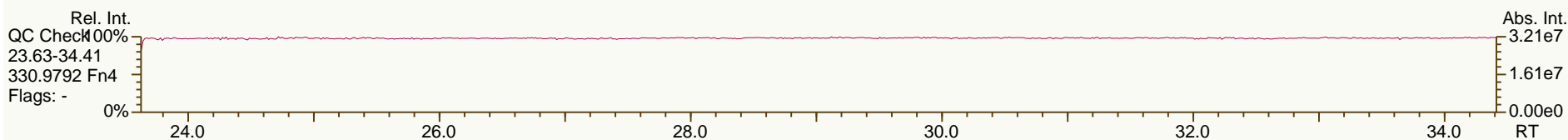
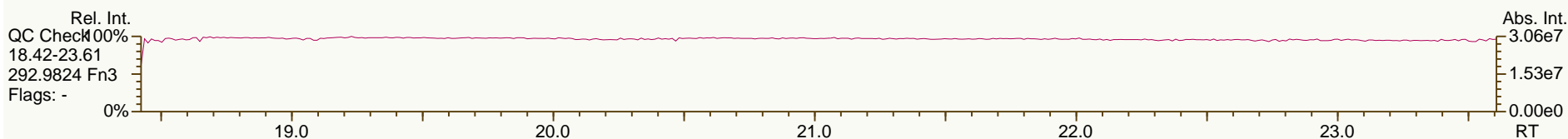
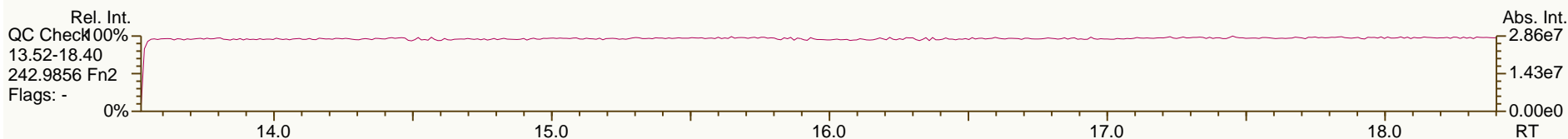
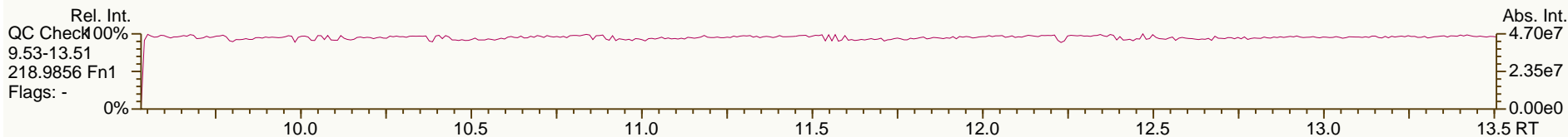
Lab ID: - Ax2 Detail			Processed: 3-Jul-2012 12:55				
Lab ID:	CS3_120629_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	29-JUN-2012 12:43						
Datafile:	120629S03						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	27.52	2.60E+06	0.61 Y	0.76	0.82	7.9%	
PCB-112 233'56-PeCB	27.61	3.17E+06	0.62 Y	0.96	1.00	4.2%	
PCB-109/119/86/97/125...-PeCB	27.95	1.69E+07	0.61 Y	0.83	0.89	8.1%	
PCB-117 234'56-PeCB	28.46	2.57E+06	0.60 Y	0.94	0.81	-13.3%	
PCB-116/85 23456-/22'344'-Pe	28.54	6.13E+06	0.61 Y	0.81	0.97	20.1%	
PCB-110 233'46-PeCB	28.67	2.81E+06	0.60 Y	0.92	0.89	-3.3%	
PCB-115 2344'6-PeCB	28.75	3.52E+06	0.62 Y	0.95	1.12	17.7%	
PCB-82 22'33'4-PeCB	28.93	2.06E+06	0.61 Y	0.62	0.65	5.9%	
PCB-111 233'55'-PeCB	29.31	3.30E+06	0.62 Y	0.98	1.04	6.1%	
PCB-120 23'455'-PeCB	29.69	3.32E+06	0.60 Y	0.99	1.05	5.9%	
PCB-108/124 ...-PeCB	30.63	6.07E+06	0.62 Y	0.92	0.96	4.5%	
PCB-107 233'4'5-PeCB	30.83	3.00E+06	0.61 Y	1.00	0.95	-4.6%	
PCB-106 233'45-PeCB	31.03	3.16E+06	0.60 Y	0.96	1.00	4.0%	
PCB-122 2'33'45-PeCB	31.48	2.94E+06	0.59 Y	0.93	1.00	8.0%	
PCB-127 33'455'-PeCB	33.45	2.97E+06	0.60 Y	1.04	1.01	-3.0%	
PCB-155 22'44'66'-HxCB	26.85	3.68E+06	1.30 Y	1.06	-	-	
PCB-152 22'3566'-HxCB	26.98	3.40E+06	1.28 Y	0.98	0.96	-2.4%	
PCB-150 22'34'66'-HxCB	27.13	3.44E+06	1.24 Y	0.99	0.97	-1.8%	
PCB-136 22'33'66'-HxCB	27.41	3.21E+06	1.30 Y	0.92	0.90	-1.8%	
PCB-145 22'3466'HxCB	27.68	3.33E+06	1.26 Y	0.94	0.94	0.0%	
PCB-148 22'34'56'-HxCB	28.98	2.52E+06	1.34 Y	0.73	0.71	-3.1%	
PCB-151/135 22'355'6-/22'33'	29.48	4.96E+06	1.28 Y	0.71	0.70	-1.7%	
PCB-154 22'44'5'6'-HxCB	29.70	2.75E+06	1.26 Y	0.78	0.77	-1.3%	
PCB-144 22'345'6'-HxCB	29.94	2.49E+06	1.26 Y	0.72	0.70	-2.5%	
PCB-147/149 22'34'56-/22'34'	30.24	5.05E+06	1.24 Y	0.72	0.71	-1.8%	
PCB-134 22'33'56'-HxCB	30.39	1.94E+06	1.23 Y	0.61	0.55	-9.8%	
PCB-143 22'3456'-HxCB	30.47	2.54E+06	1.27 Y	0.69	0.72	3.2%	
PCB-139/140 22'344'6-/22'344'	30.74	5.19E+06	1.22 Y	0.73	0.73	-0.5%	
PCB-131 22'33'46'-HxCB	30.90	2.18E+06	1.23 Y	0.65	0.61	-5.0%	
PCB-142 22'3456'-HxCB	31.03	2.26E+06	1.30 Y	0.67	0.63	-5.7%	
PCB-132 22'33'46'-HxCB	31.27	2.26E+06	1.31 Y	0.68	0.64	-6.4%	
PCB-133 22'33'55'-HxCB	31.73	2.33E+06	1.24 Y	0.69	0.66	-4.6%	
PCB-165 233'55'6'-HxCB	32.07	2.83E+06	1.25 Y	0.82	0.80	-3.1%	
PCB-146 22'34'55'-HxCB	32.28	2.54E+06	1.22 Y	0.73	0.71	-2.2%	
PCB-161 233'45'6'-HxCB	32.39	3.11E+06	1.25 Y	0.93	0.88	-5.5%	
PCB-153/168 22'44'55'-/23'44'	32.82	5.91E+06	1.24 Y	0.89	0.83	-6.4%	
PCB-141 22'3455'-HxCB	32.94	2.42E+06	1.22 Y	0.71	0.68	-3.6%	
PCB-130 22'33'45'-HxCB	33.28	2.07E+06	1.23 Y	0.64	0.58	-8.5%	
PCB-137 22'344'5'-HxCB	33.48	2.59E+06	1.26 Y	0.78	0.73	-6.4%	
PCB-164 233'4'5'6'-HxCB	33.57	3.02E+06	1.26 Y	0.88	0.85	-3.3%	
PCB-163/138/129 233'4'56-/22'	33.84	7.71E+06	1.23 Y	0.76	0.72	-5.0%	

Lab ID: - Ax2 Detail				Processed: 3-Jul-2012 12:55			
Lab ID:	CS3_120629_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	29-JUN-2012 12:43						
Datafile:	120629S03						
Name	RT	Response	RA		RRF		
PCB-160 233'456-HxCB	33.97	2.98E+06	1.25 Y	0.88	0.84	-5.1%	
PCB-158 233'44'6-HxCB	34.16	3.33E+06	1.29 Y	0.96	0.94	-2.6%	
PCB-128/166 22'33'44'-/2344'5	34.87	5.14E+06	1.28 Y	0.86	0.95	9.5%	
PCB-159 233'455'-HxCB	35.73	2.91E+06	1.28 Y	1.03	1.07	4.4%	
PCB-162 233'4'55'-HxCB	35.97	2.96E+06	1.27 Y	1.04	1.09	4.9%	
PCB-188 22'34'566'-HpCB	31.66	3.21E+06	1.06 Y	1.07	-	-	
PCB-179 22'33'566'-HpCB	31.92	2.91E+06	1.08 Y	0.98	0.97	-0.4%	
PCB-184 22'344'66'-HpCB	32.39	2.86E+06	1.04 Y	0.97	0.96	-1.5%	
PCB-176 22'33'466'-HpCB	32.66	3.21E+06	1.11 Y	1.06	1.07	0.9%	
PCB-186 22'34566'-HpCB	33.04	2.98E+06	1.06 Y	1.02	1.00	-1.7%	
PCB-178 22'33'55'6-HpCB	34.22	2.17E+06	1.04 Y	0.77	0.73	-6.0%	
PCB-175 22'33'45'6-HpCB	34.76	2.30E+06	1.03 Y	0.70	0.77	10.1%	
PCB-187 22'34'55'6-HpCB	34.99	2.36E+06	1.02 Y	0.73	0.79	7.9%	
PCB-182 22'344'56'-HpCB	35.16	2.41E+06	1.05 Y	0.74	0.81	8.4%	
PCB-183 22'344'5'6-HpCB	35.50	2.71E+06	1.05 Y	0.75	0.91	21.1%	
PCB-185 22'3455'6-HpCB	35.57	2.14E+06	1.02 Y	0.73	0.72	-1.6%	
PCB-174 22'33'456'-HpCB	35.68	1.95E+06	1.05 Y	0.63	0.65	4.0%	
PCB-177 22'33'4'56-HpCB	36.05	2.00E+06	1.05 Y	0.64	0.67	4.7%	
PCB-181 22'344'56-HpCB	36.39	2.35E+06	1.06 Y	0.72	0.79	10.0%	
PCB-171/173 22'33'44'6-/22'3	36.56	4.16E+06	1.07 Y	0.64	0.70	9.5%	
PCB-172 22'33'455'-HpCB	37.96	2.03E+06	1.05 Y	0.69	0.66	-3.8%	
PCB-192 233'455'6-HpCB	38.20	2.61E+06	1.03 Y	0.91	0.85	-6.3%	
PCB-180/193 22'344'55'-/233'	38.48	5.03E+06	1.05 Y	0.84	0.82	-2.8%	
PCB-191 233'44'5'6-HpCB	38.80	2.73E+06	1.04 Y	0.94	0.89	-5.7%	
PCB-170 22'33'44'5-HpCB	39.55	2.00E+06	1.04 Y	0.70	0.65	-6.8%	
PCB-190 233'44'56-HpCB	40.00	2.78E+06	1.04 Y	0.94	0.91	-4.1%	
PCB-202 22'33'55'66'-OcCB	36.17	2.31E+06	0.91 Y	0.83	-	-	
PCB-201 22'33'45'66'-OcCB	36.95	2.60E+06	0.90 Y	0.93	0.94	2.0%	
PCB-204 22'344'566'-OcCB	37.52	2.45E+06	0.87 Y	0.89	0.89	0.1%	
PCB-197 22'33'44'66'-OcCB	37.70	2.55E+06	0.89 Y	0.91	0.92	1.4%	
PCB-200 22'33'4566'-OcCB	37.78	2.59E+06	0.87 Y	0.93	0.94	1.5%	
PCB-198/199 22'33'455'6-/22'	40.14	3.68E+06	0.85 Y	0.68	0.67	-2.1%	
PCB-196 22'33'44'56'-OcCB	40.71	1.94E+06	0.86 Y	0.72	0.70	-1.8%	
PCB-203 22'344'55'6-OcCB	40.88	2.04E+06	0.88 Y	0.74	0.74	0.7%	
PCB-195 22'33'44'56-OcCB	41.97	1.73E+06	0.89 Y	0.81	0.69	-14.8%	
PCB-194 22'33'44'55'-OcCB	43.95	1.86E+06	0.90 Y	0.86	0.74	-13.4%	
PCB-205 233'44'55'6-OcCB	44.35	2.36E+06	0.89 Y	1.09	-	-	
PCB-208 22'33'455'66'-NoCB	41.79	2.15E+06	0.80 Y	0.98	-	-	
PCB-207 22'33'44'566'-NoCB	42.57	2.28E+06	0.77 Y	1.02	0.99	-2.8%	
PCB-206 22'33'44'55'6-NoCB	45.82	1.69E+06	0.77 Y	0.93	-	-	

AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

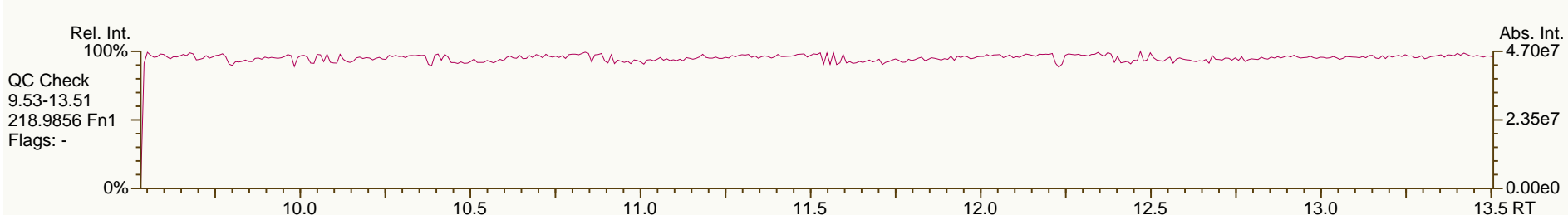
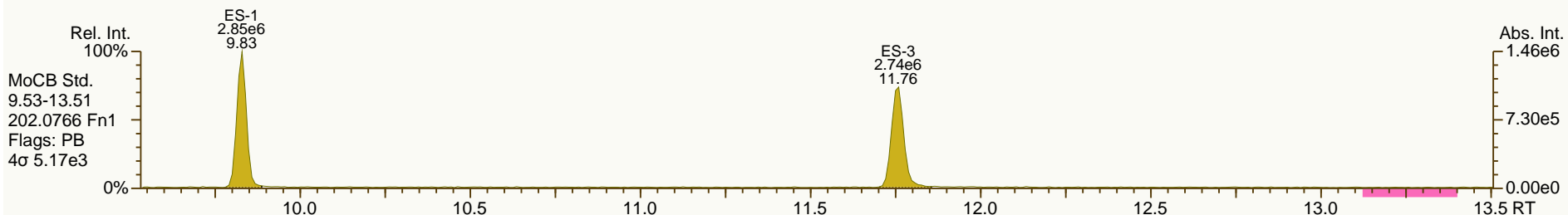
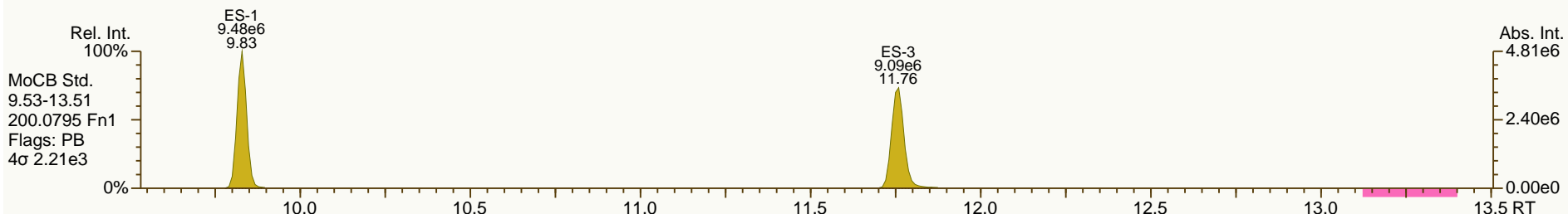
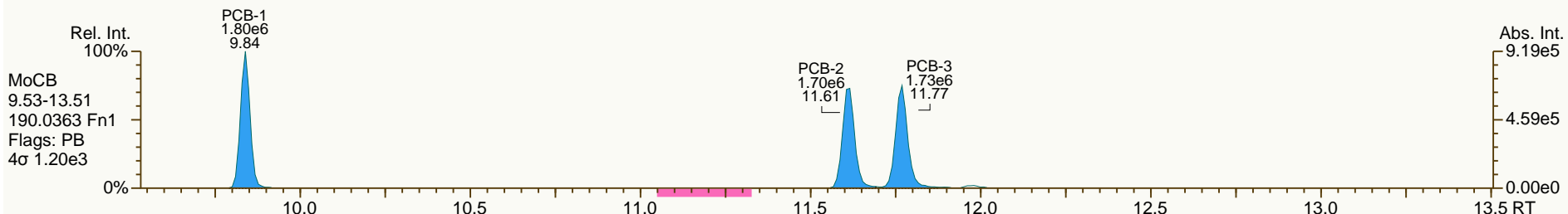
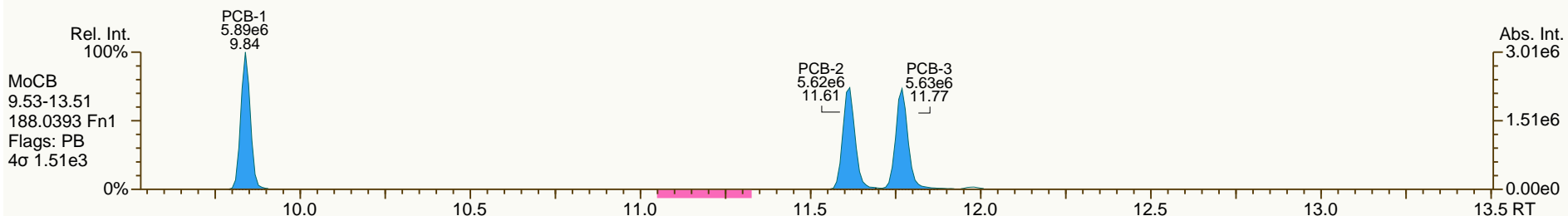
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

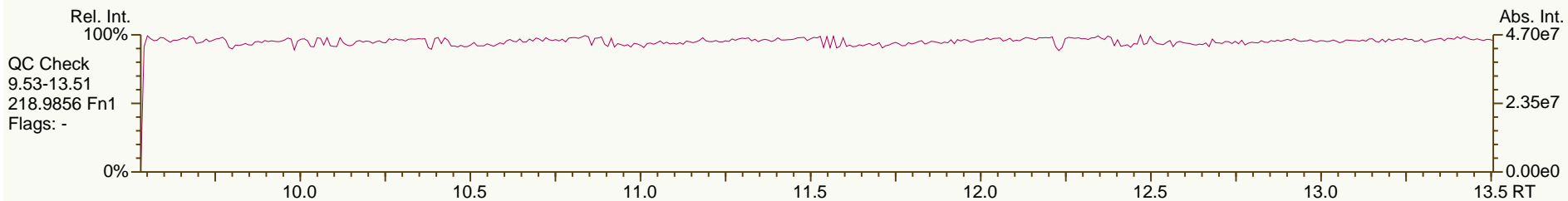
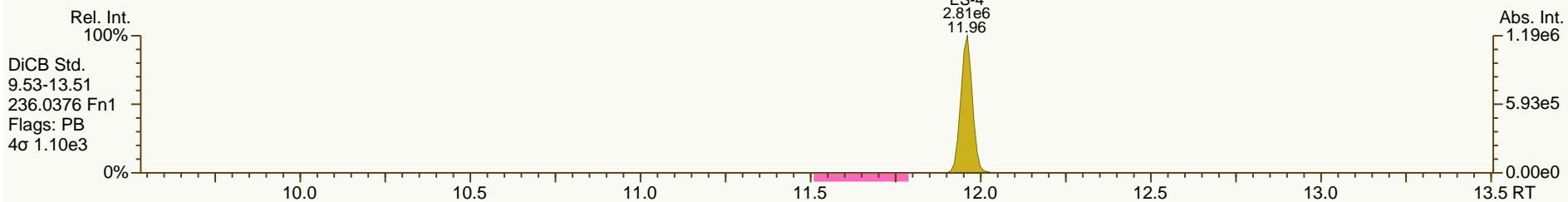
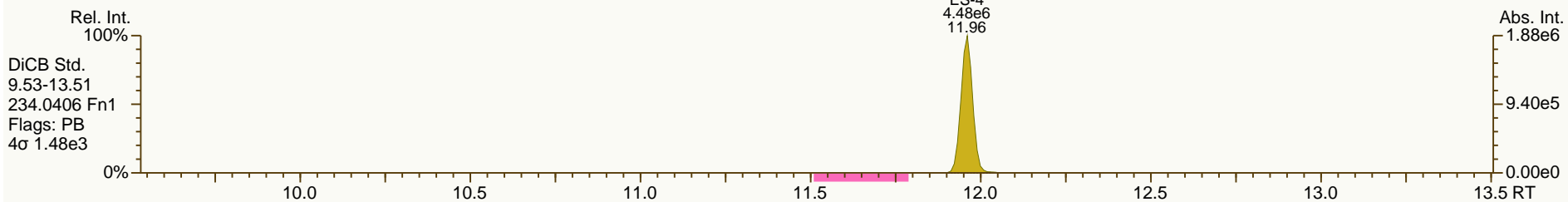
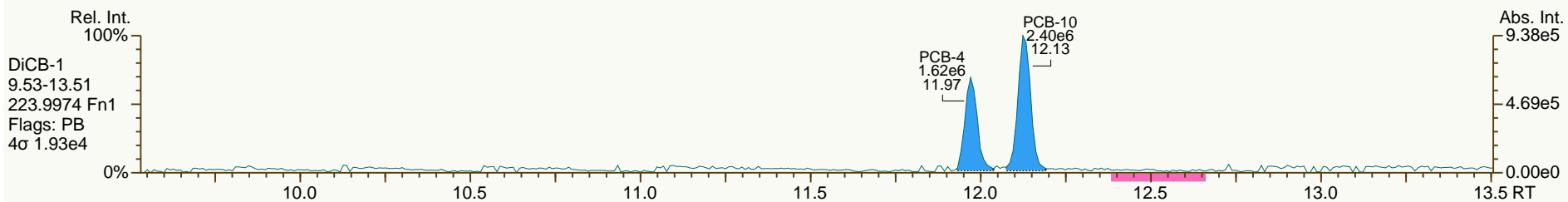
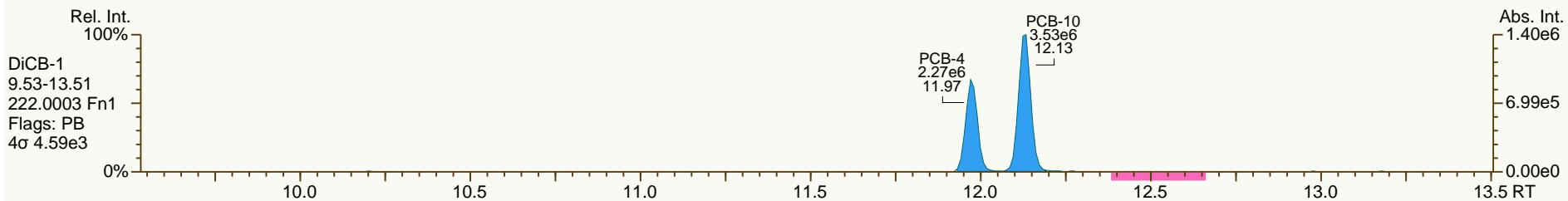
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

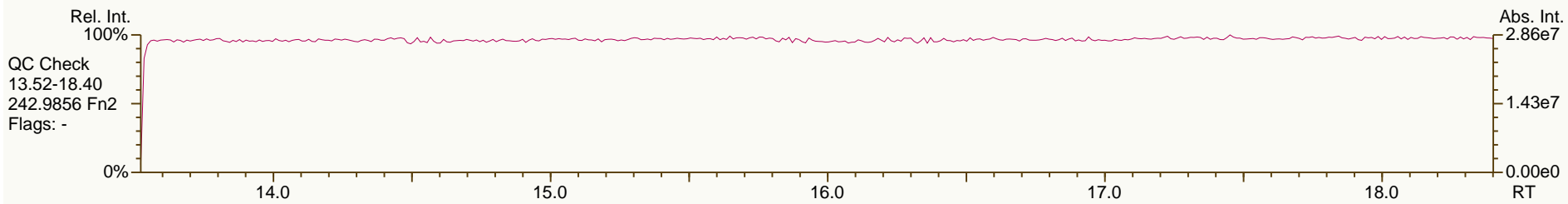
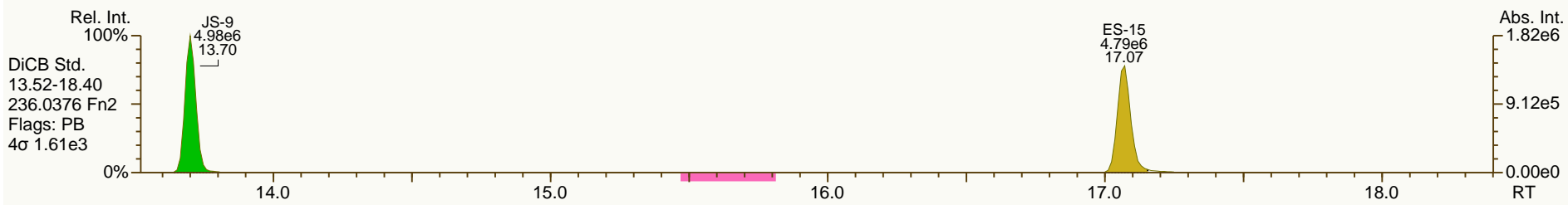
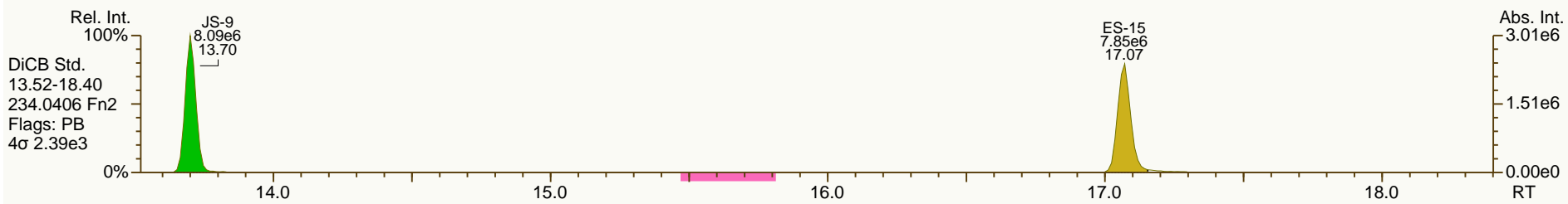
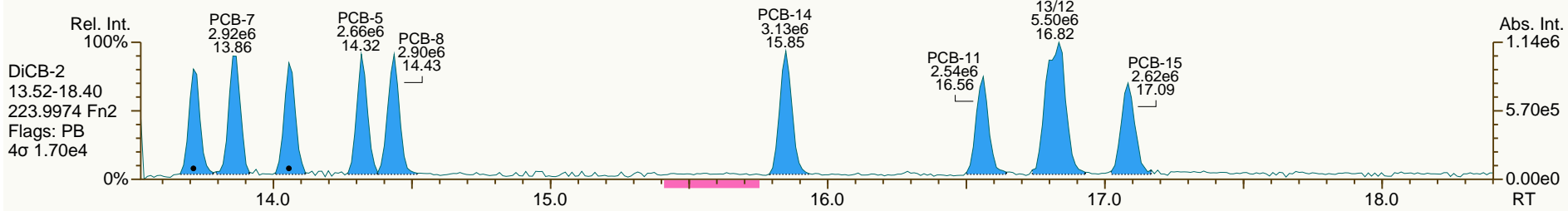
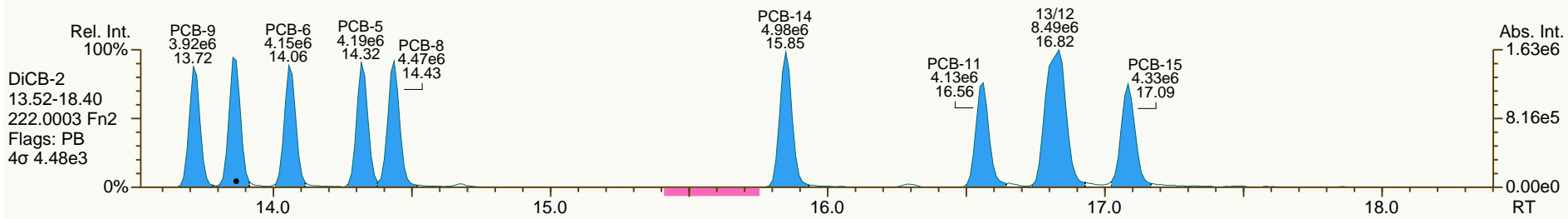
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

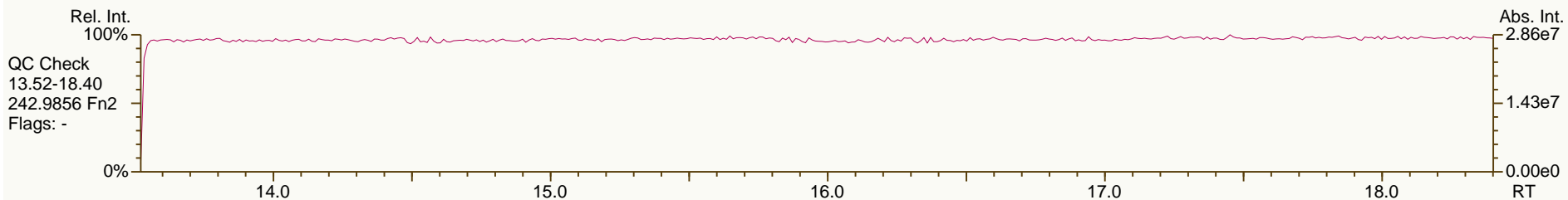
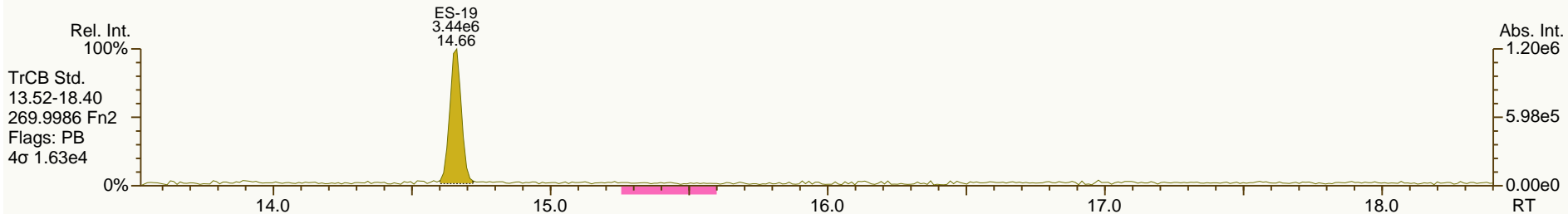
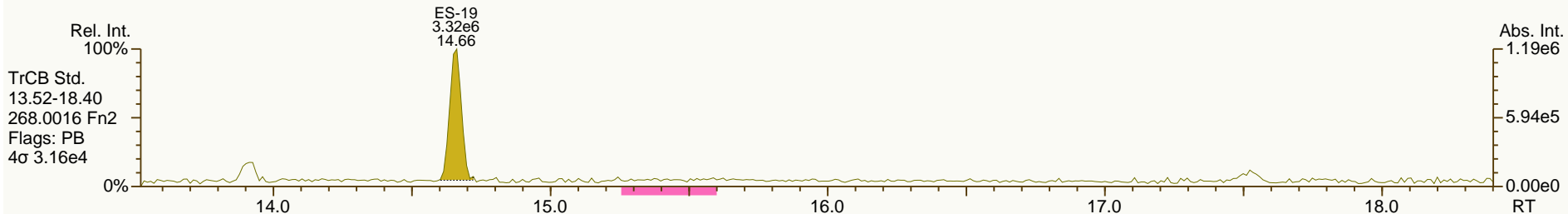
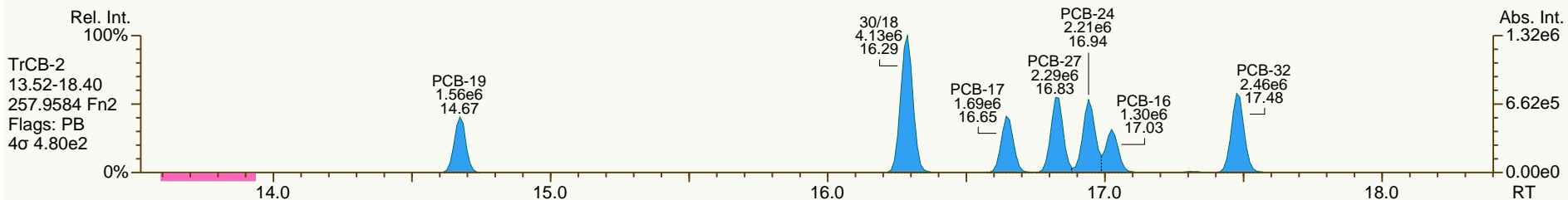
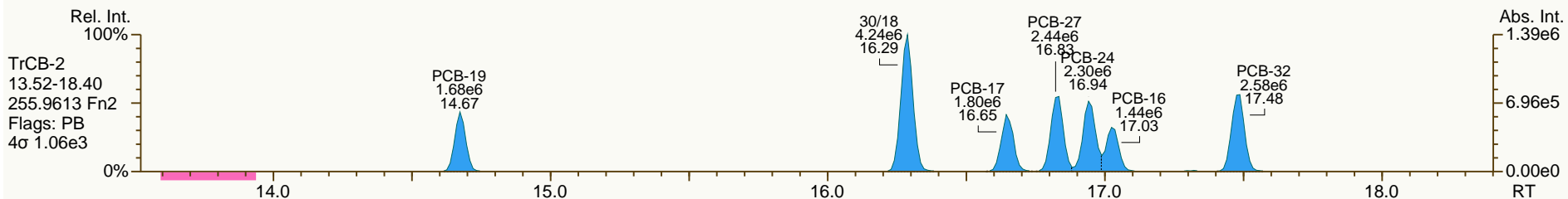
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

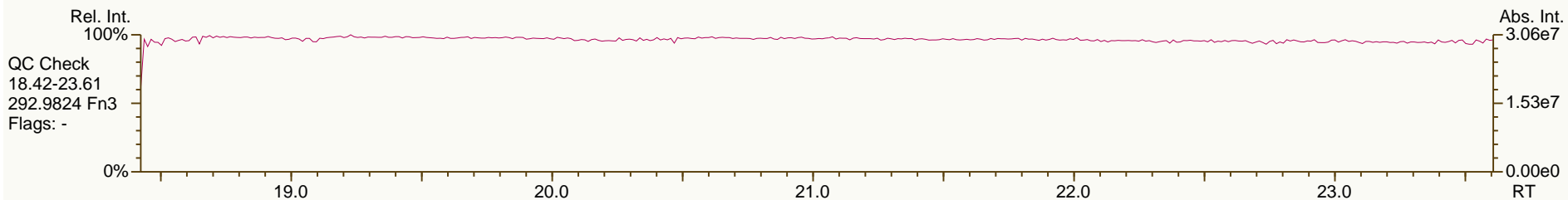
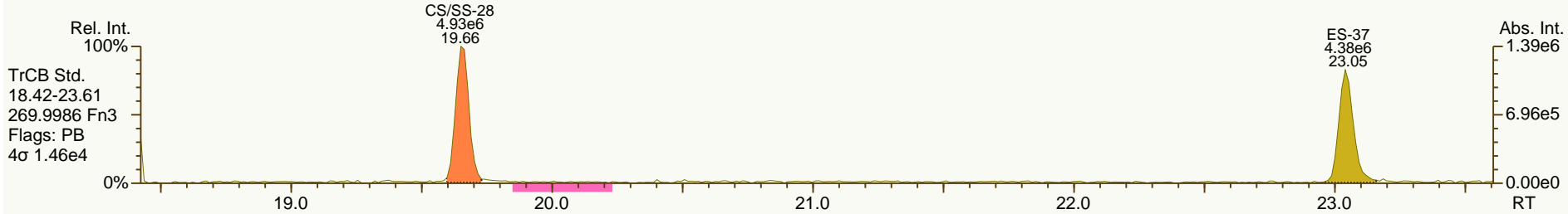
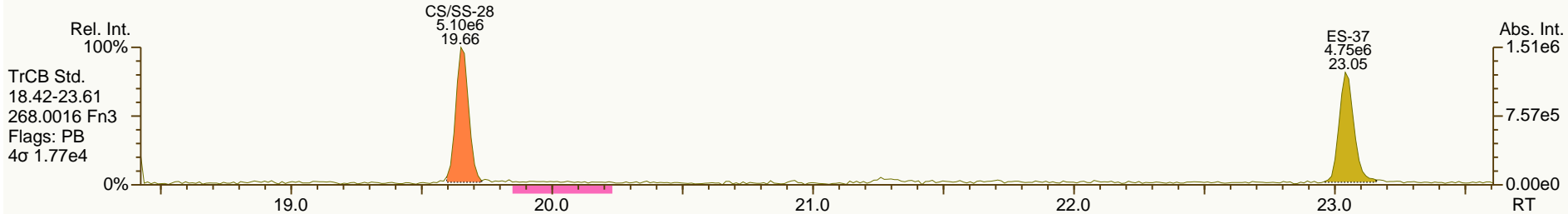
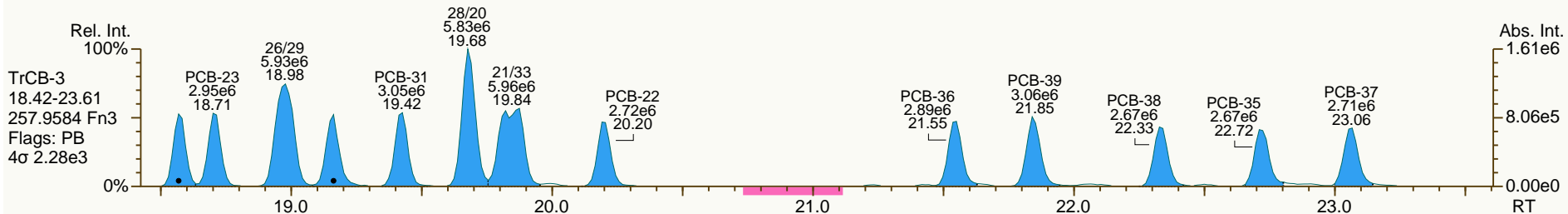
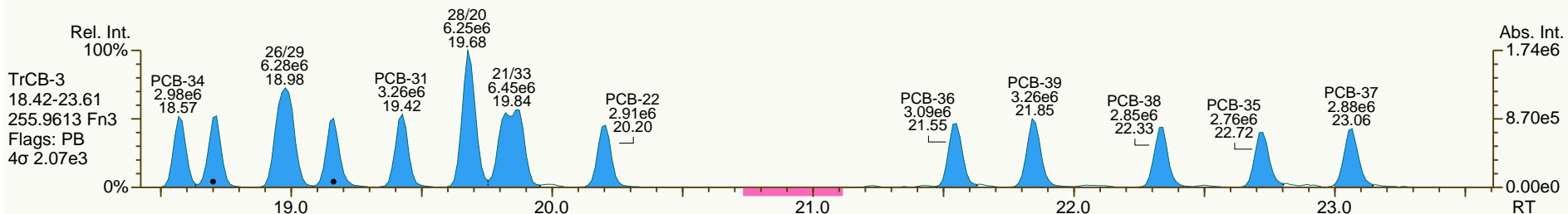
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

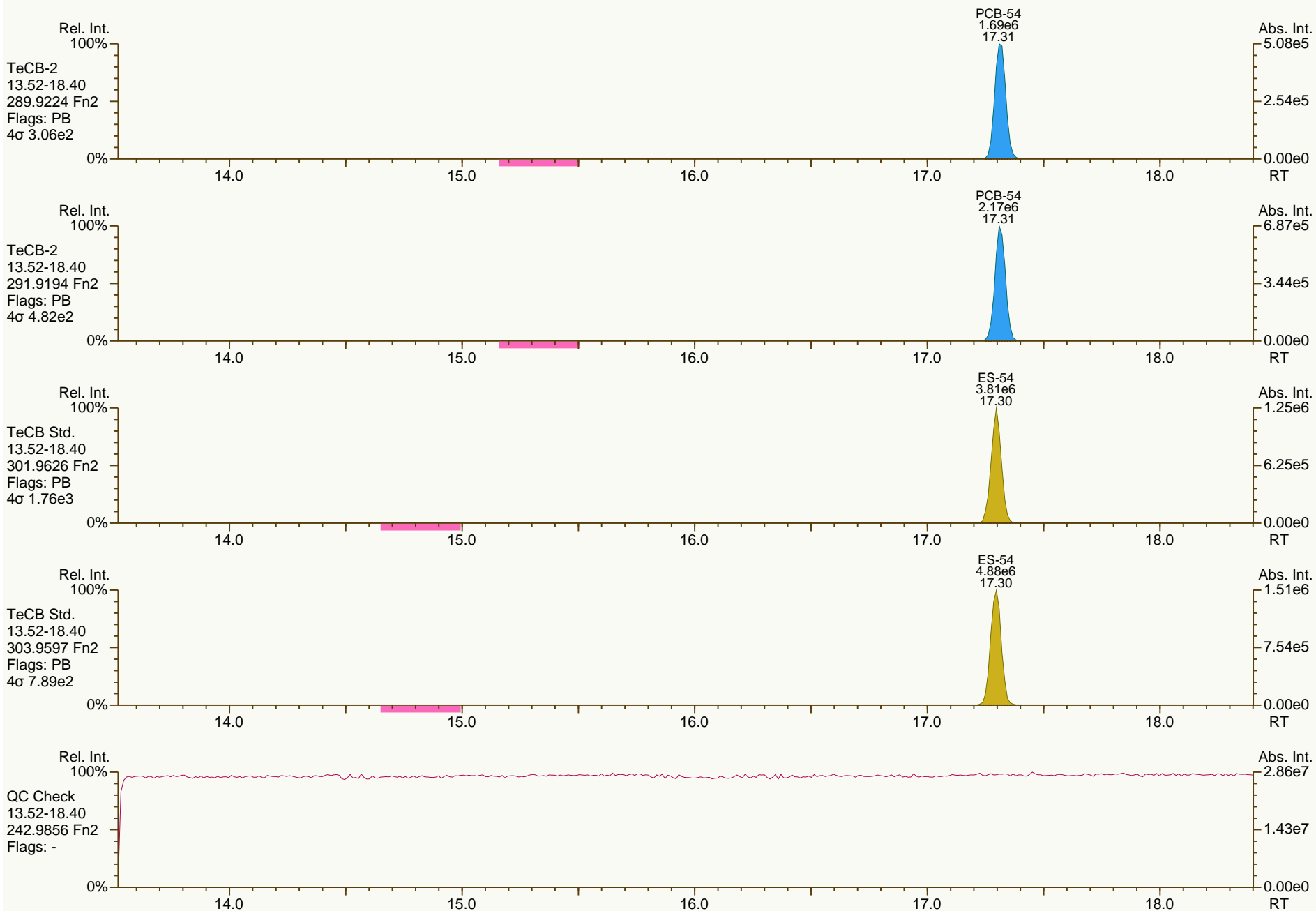
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

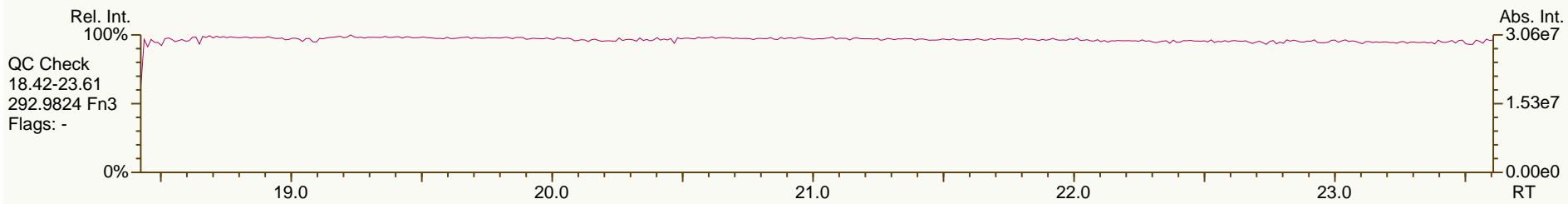
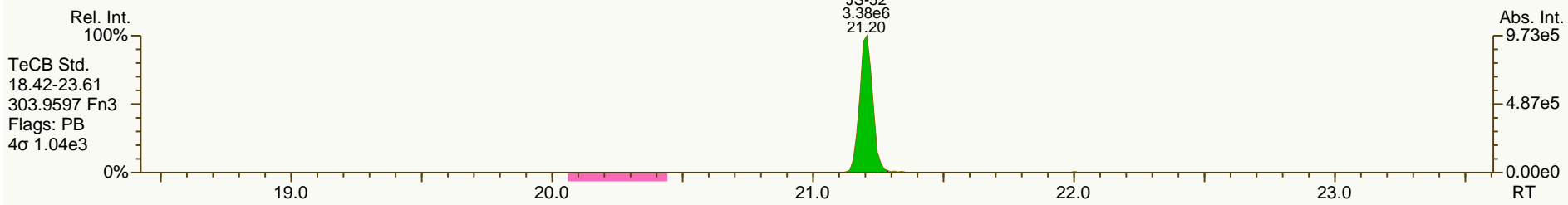
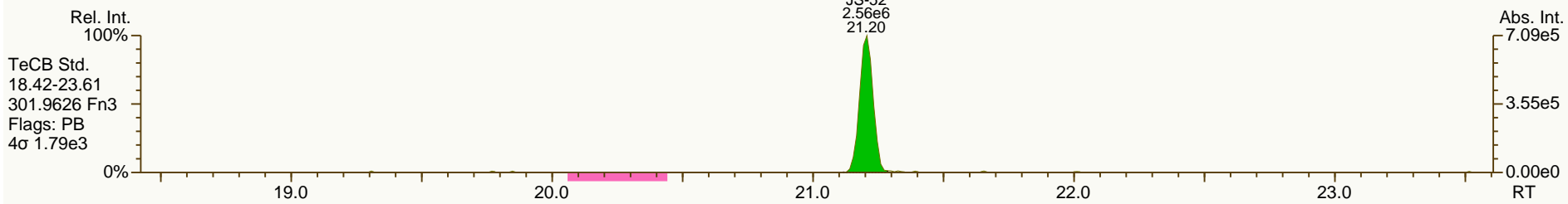
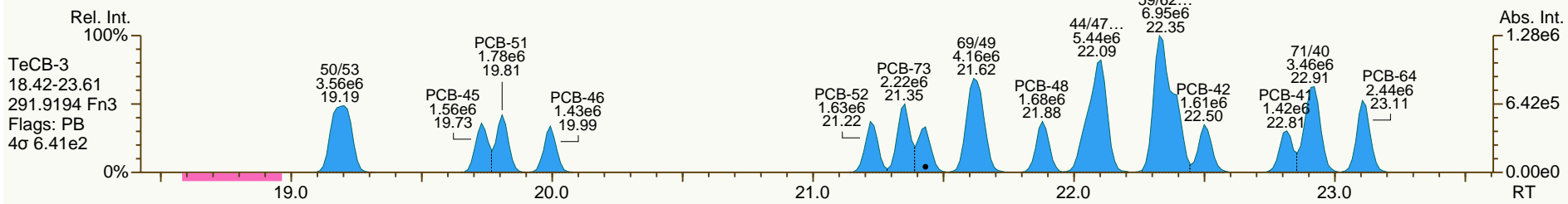
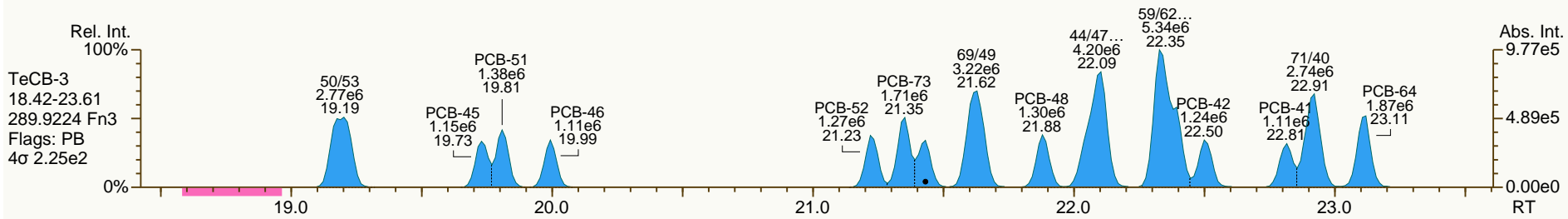
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

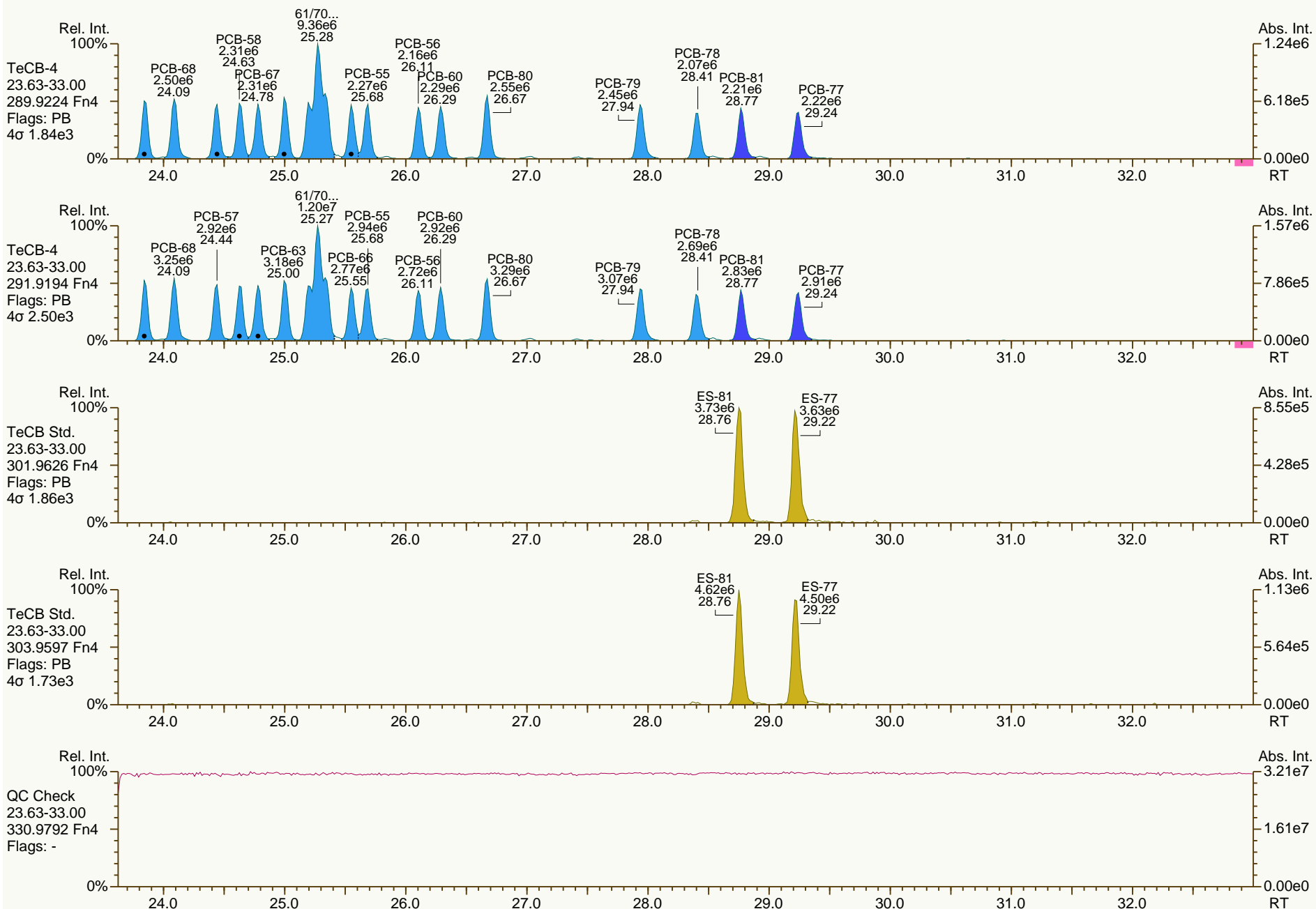
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

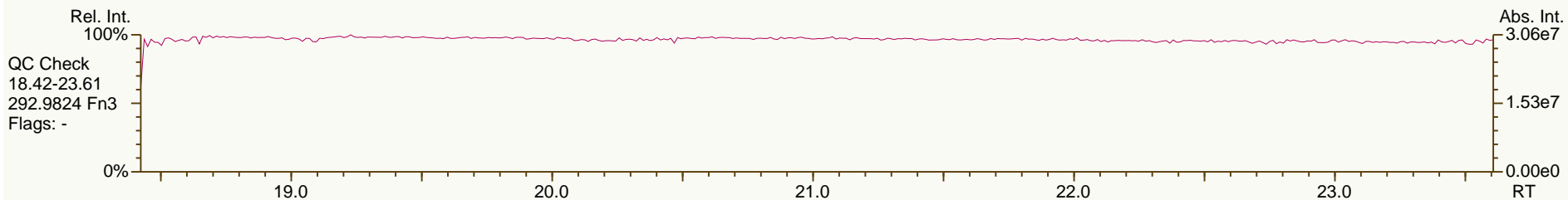
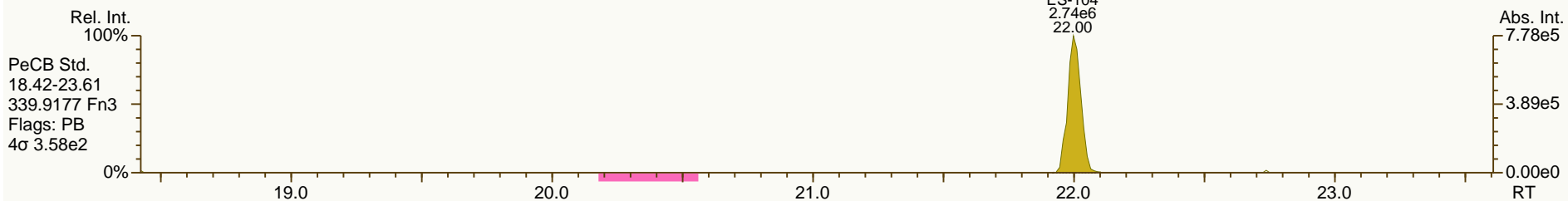
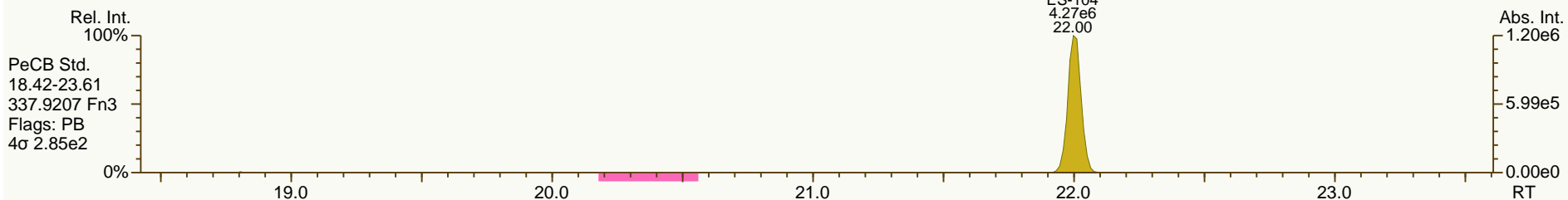
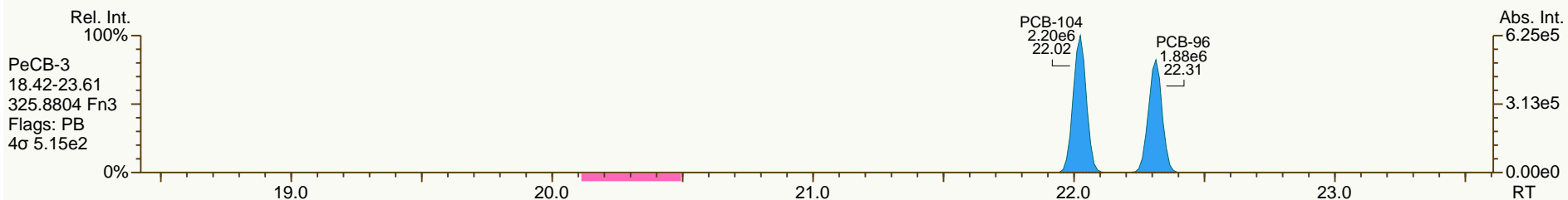
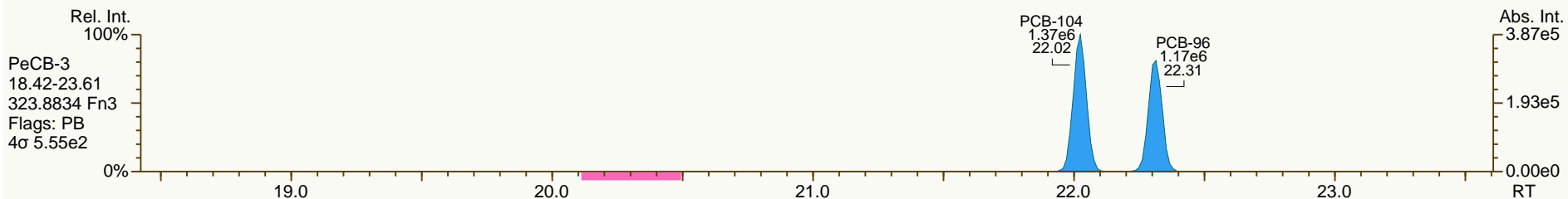
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

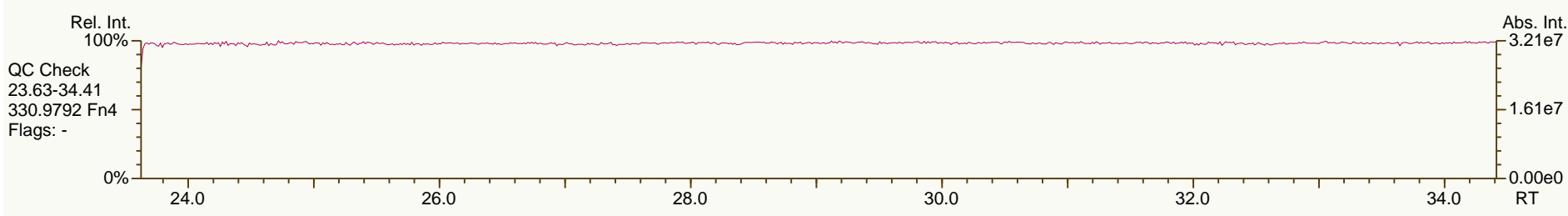
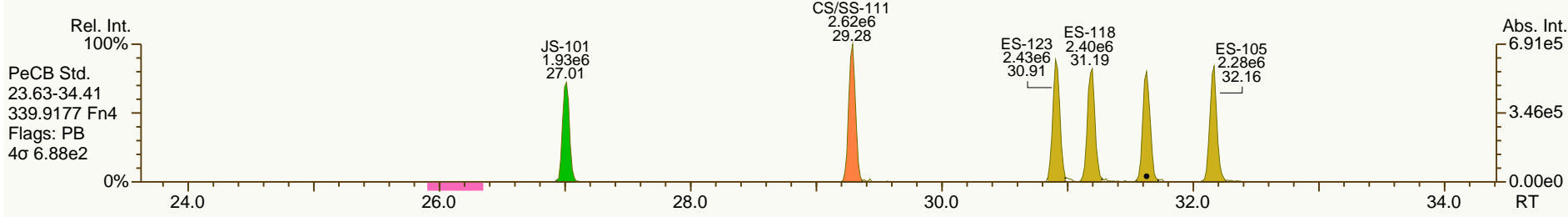
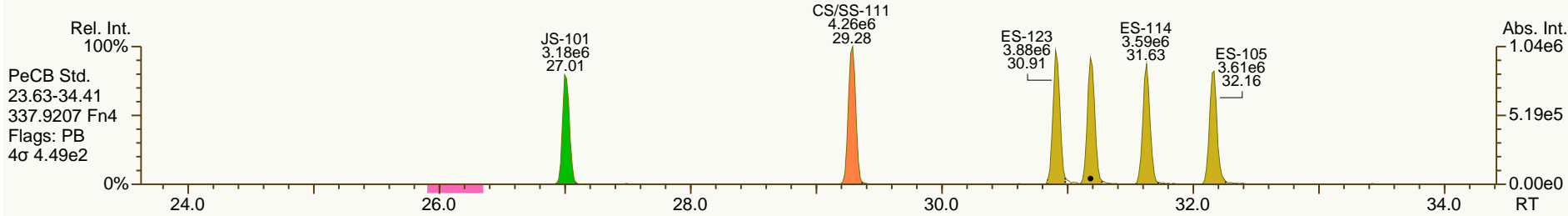
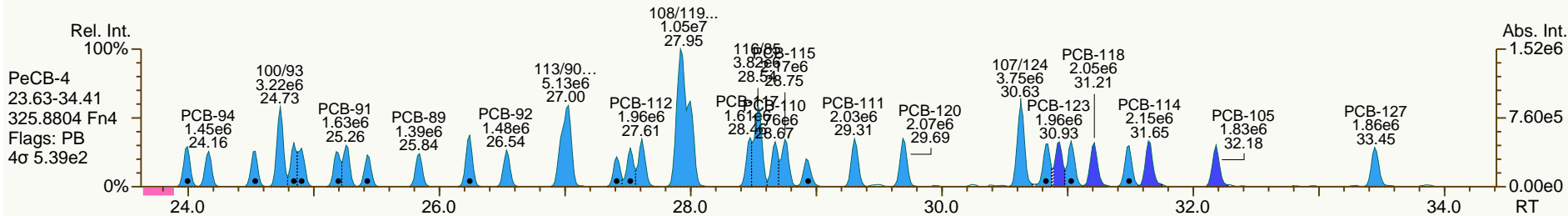
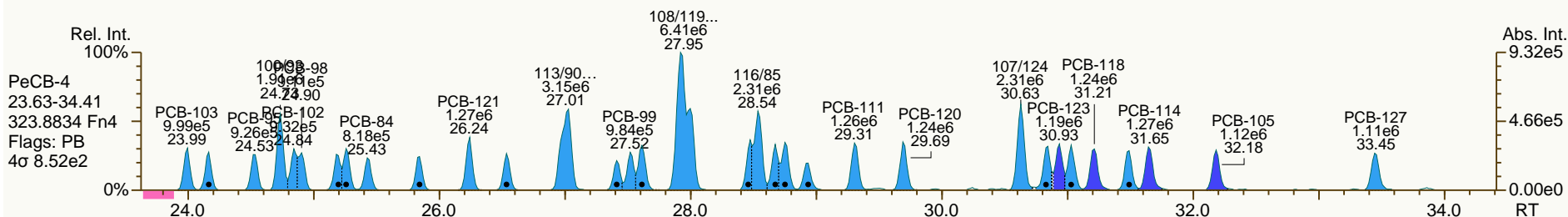
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

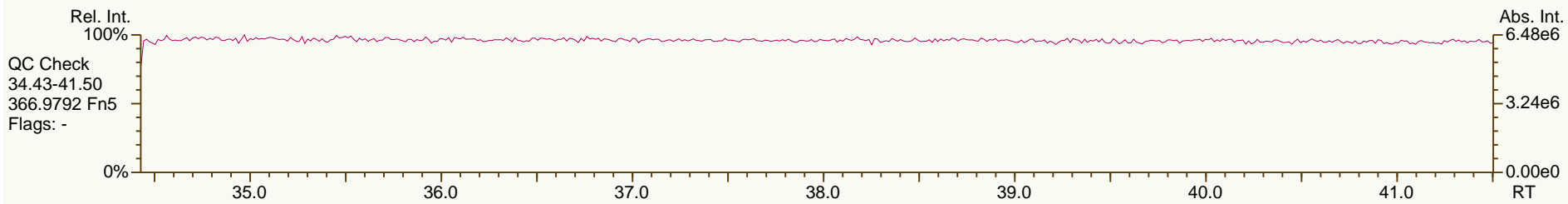
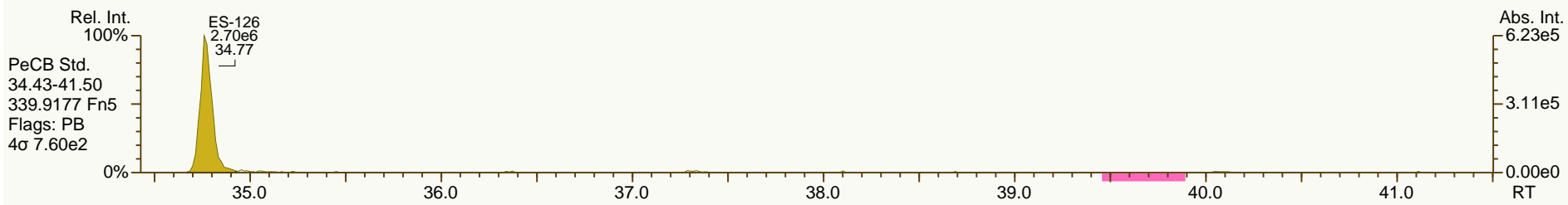
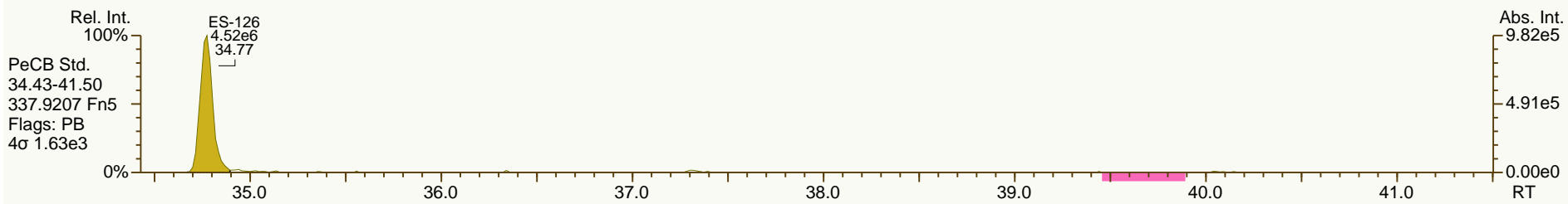
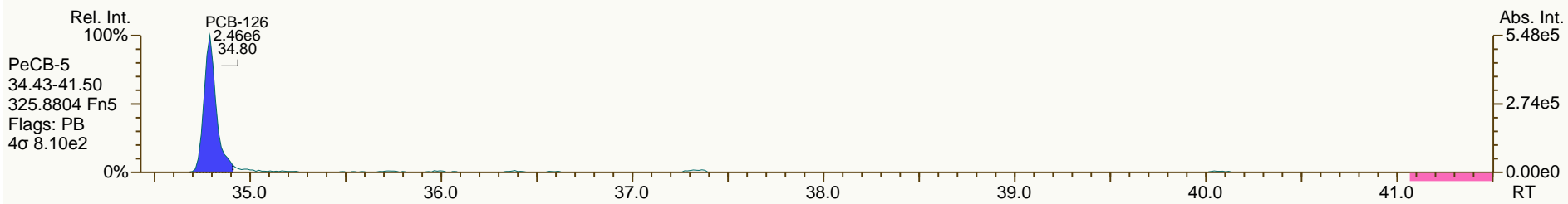
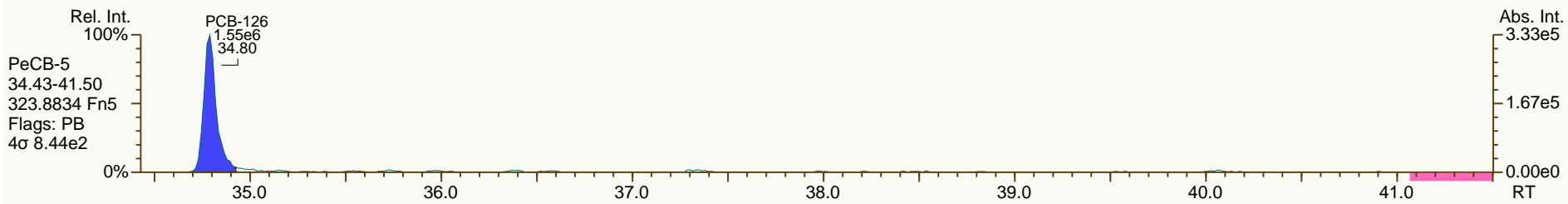
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

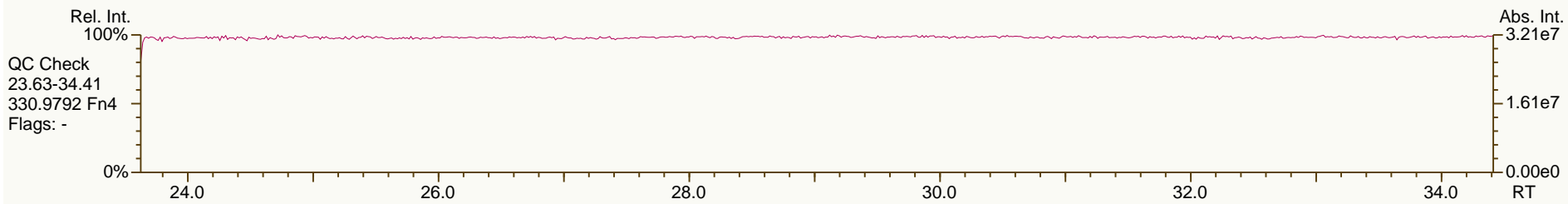
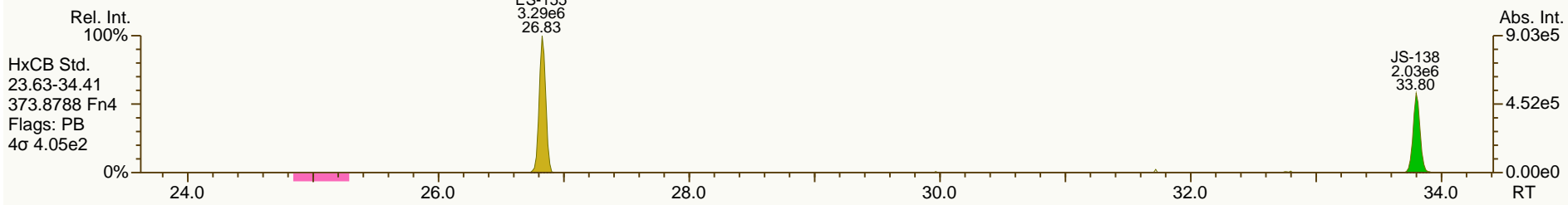
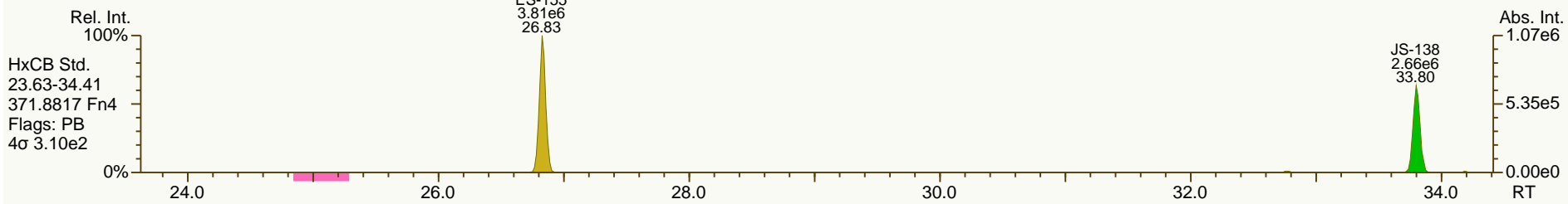
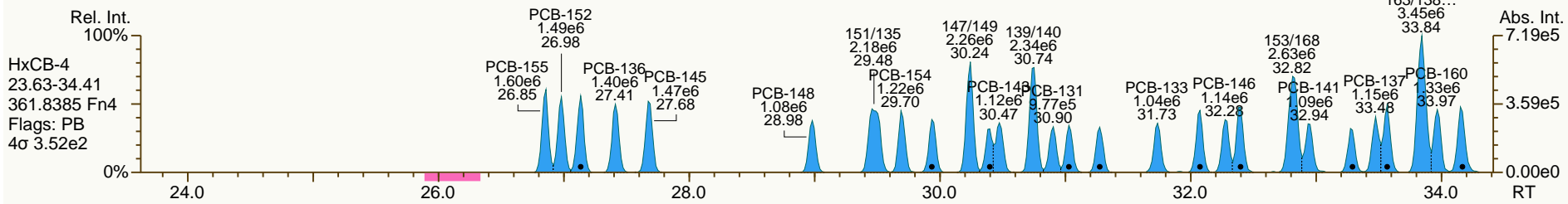
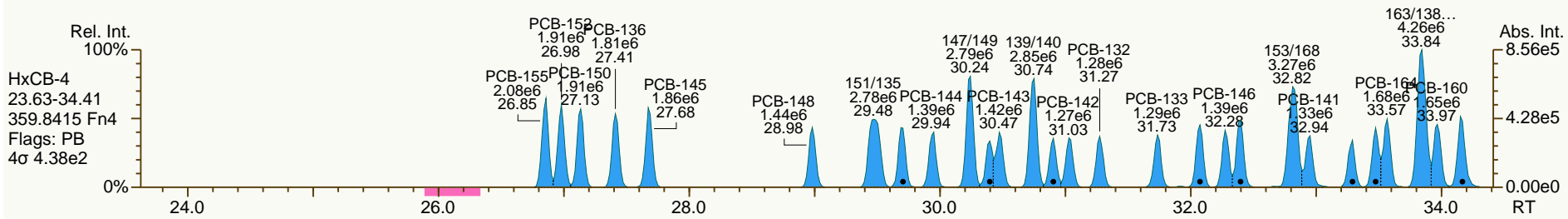
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

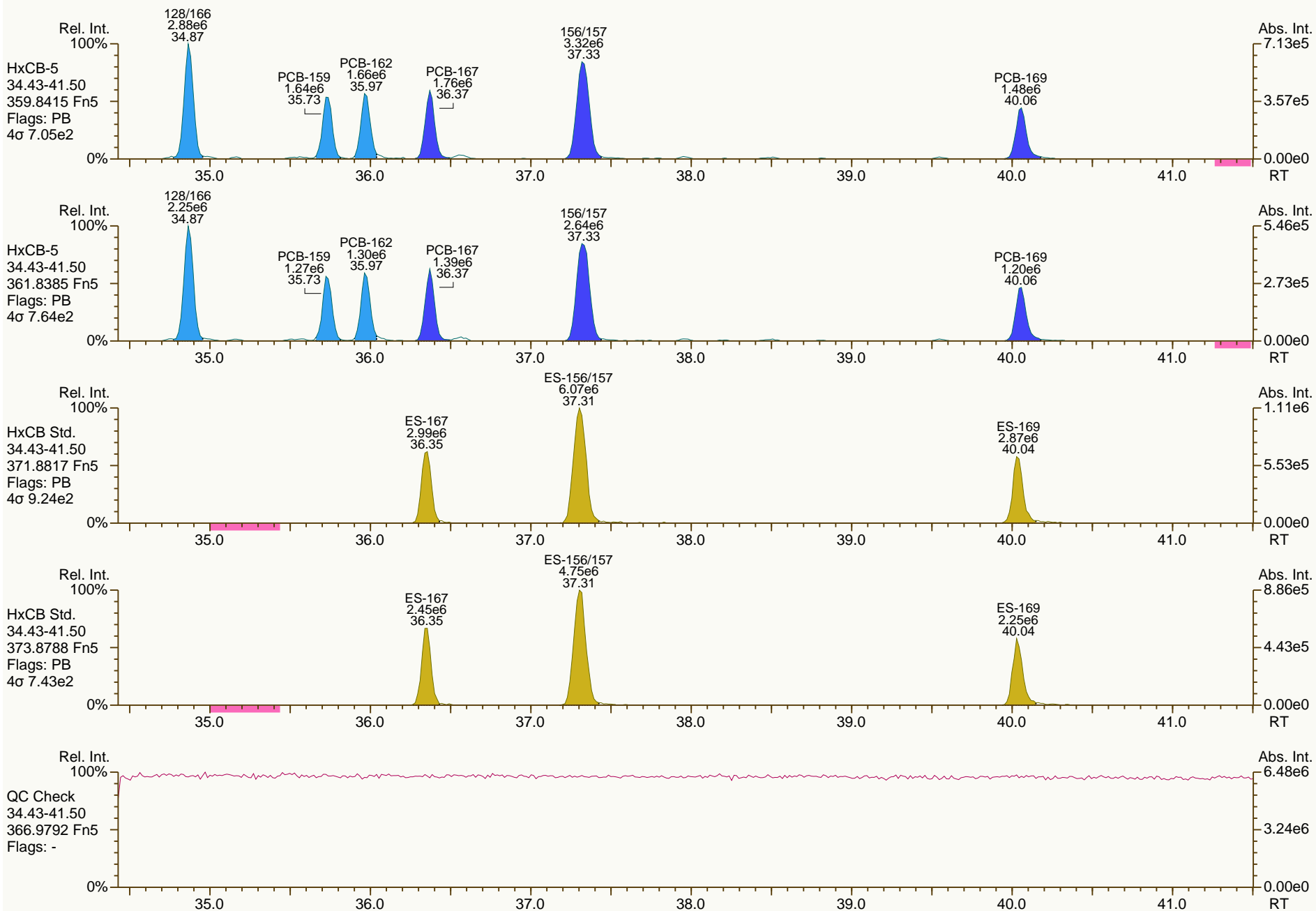
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

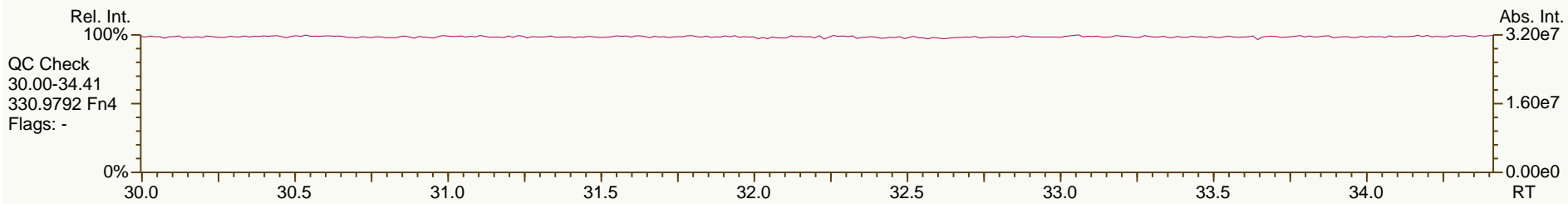
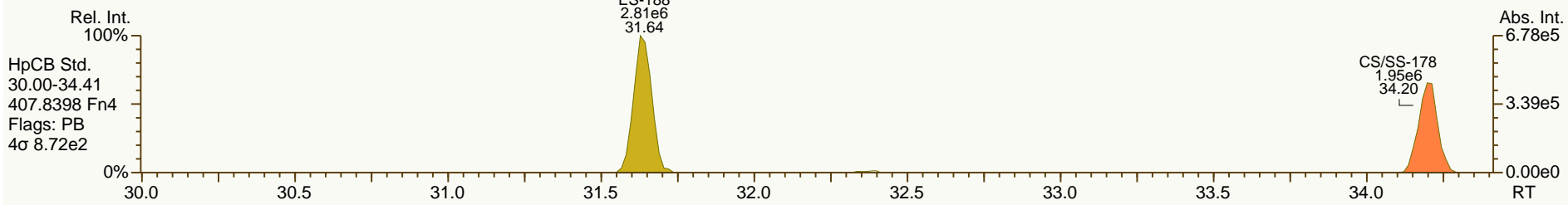
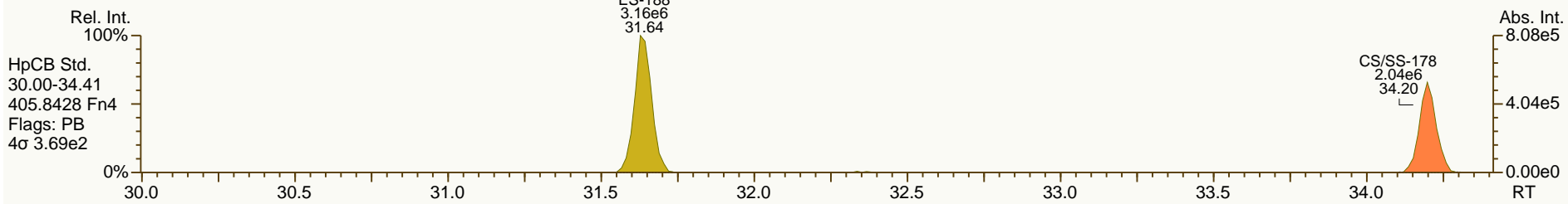
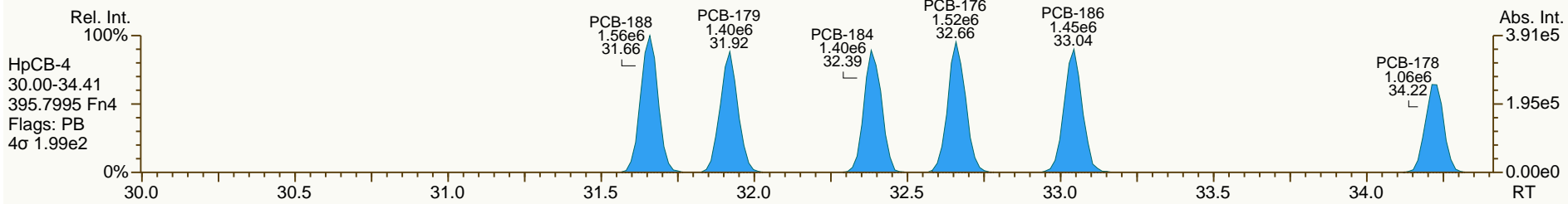
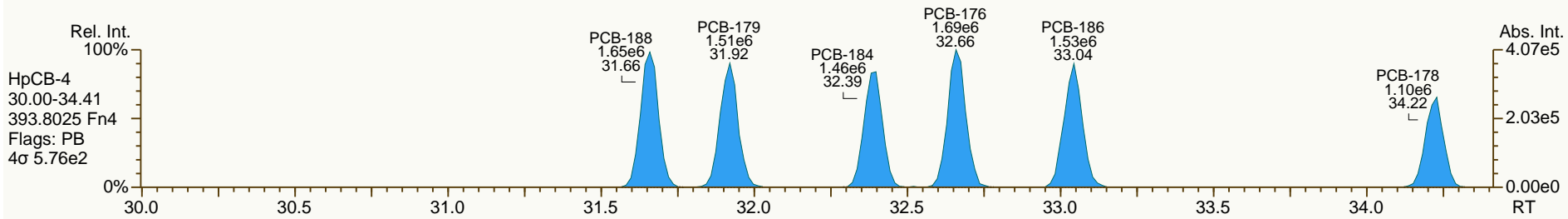
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

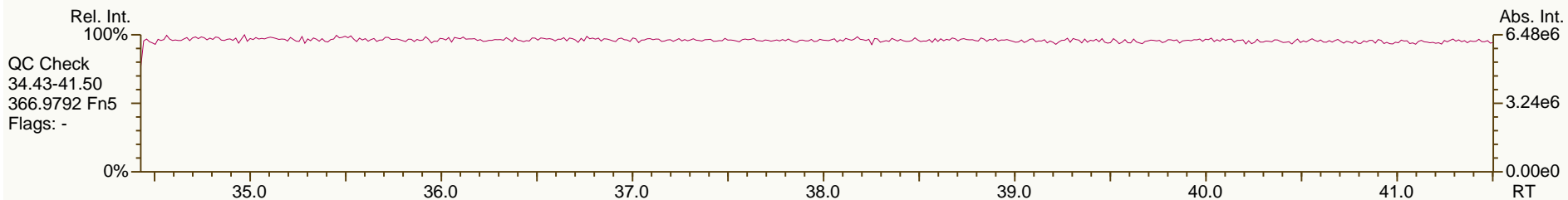
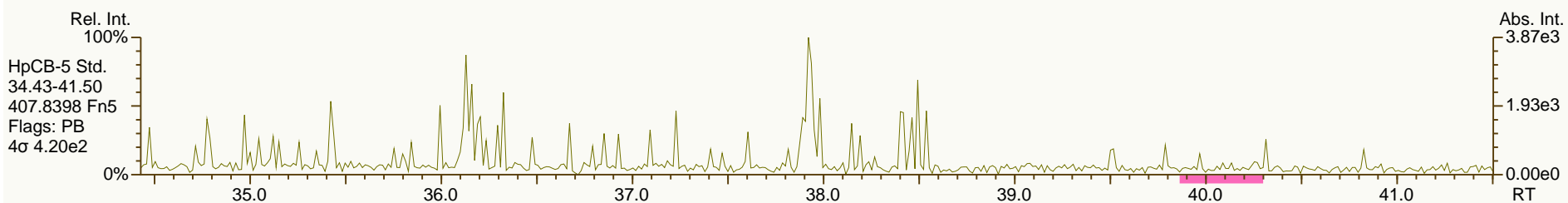
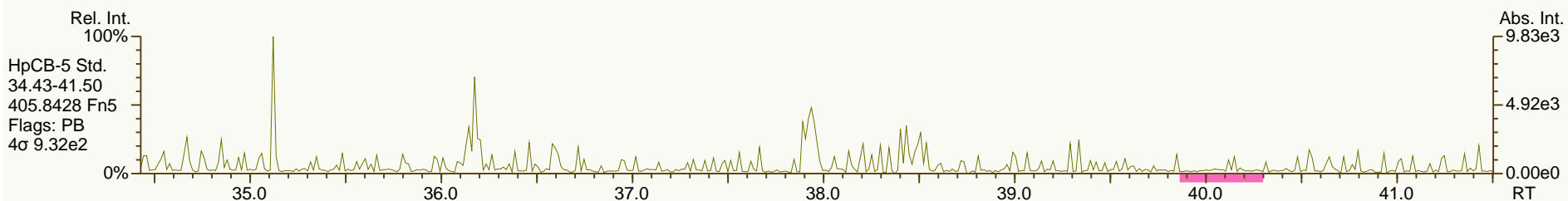
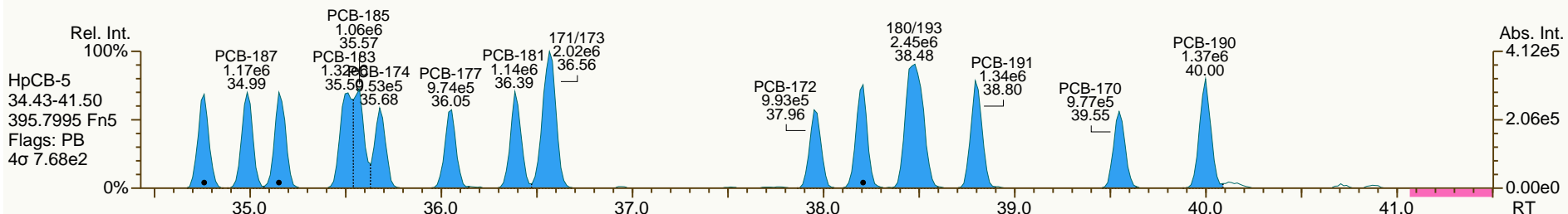
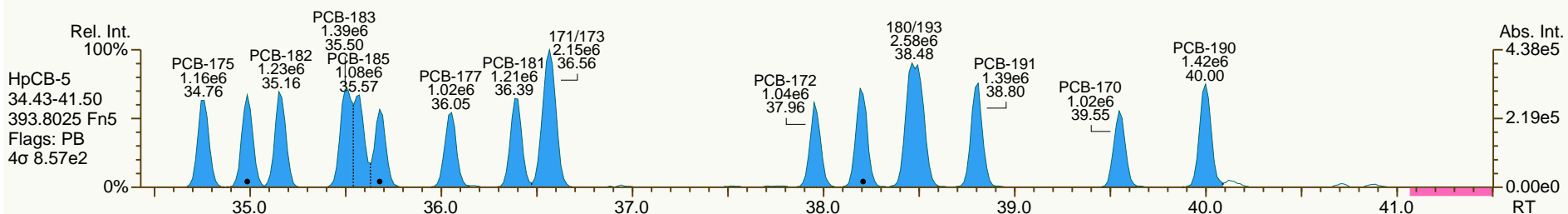
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

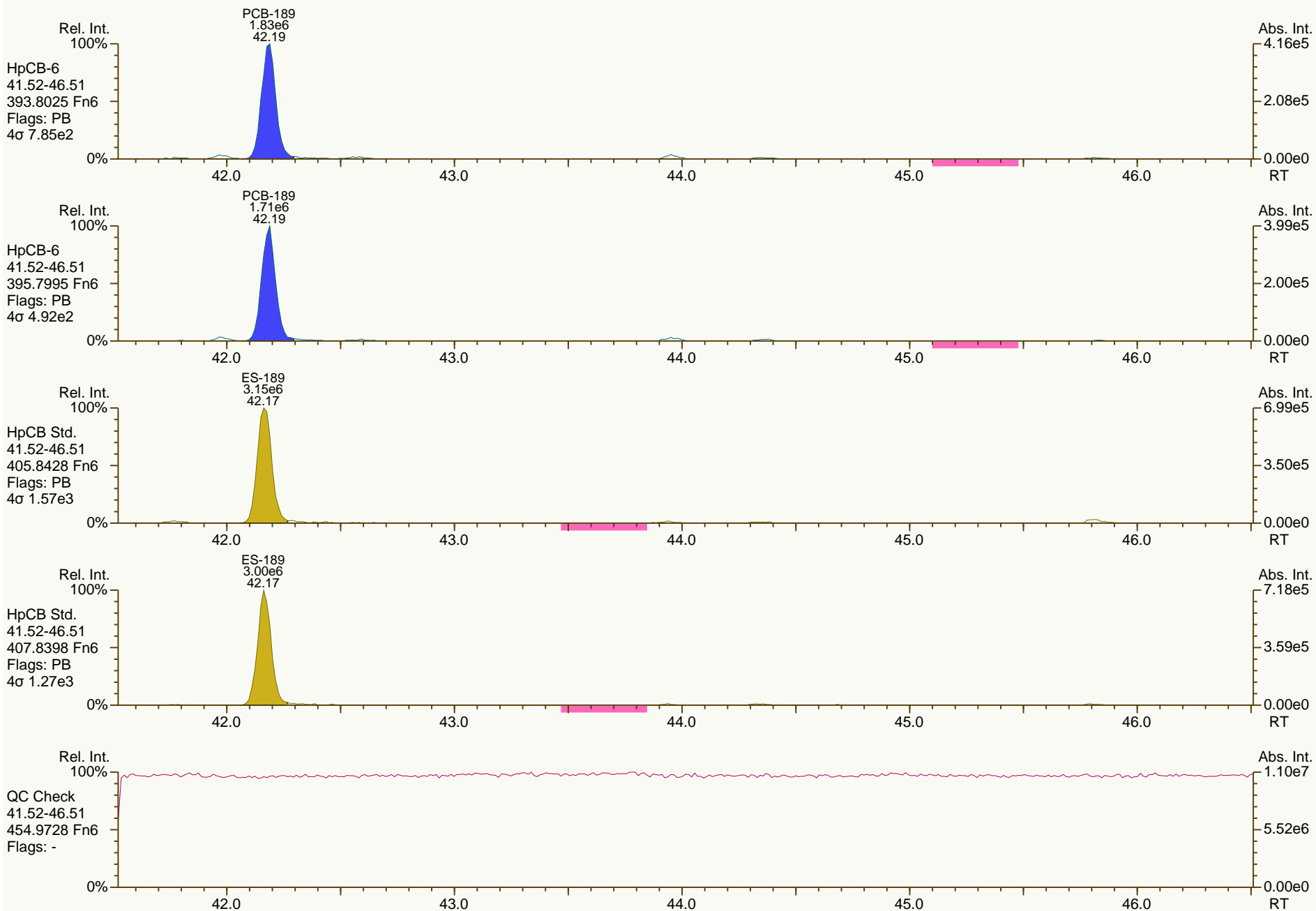
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

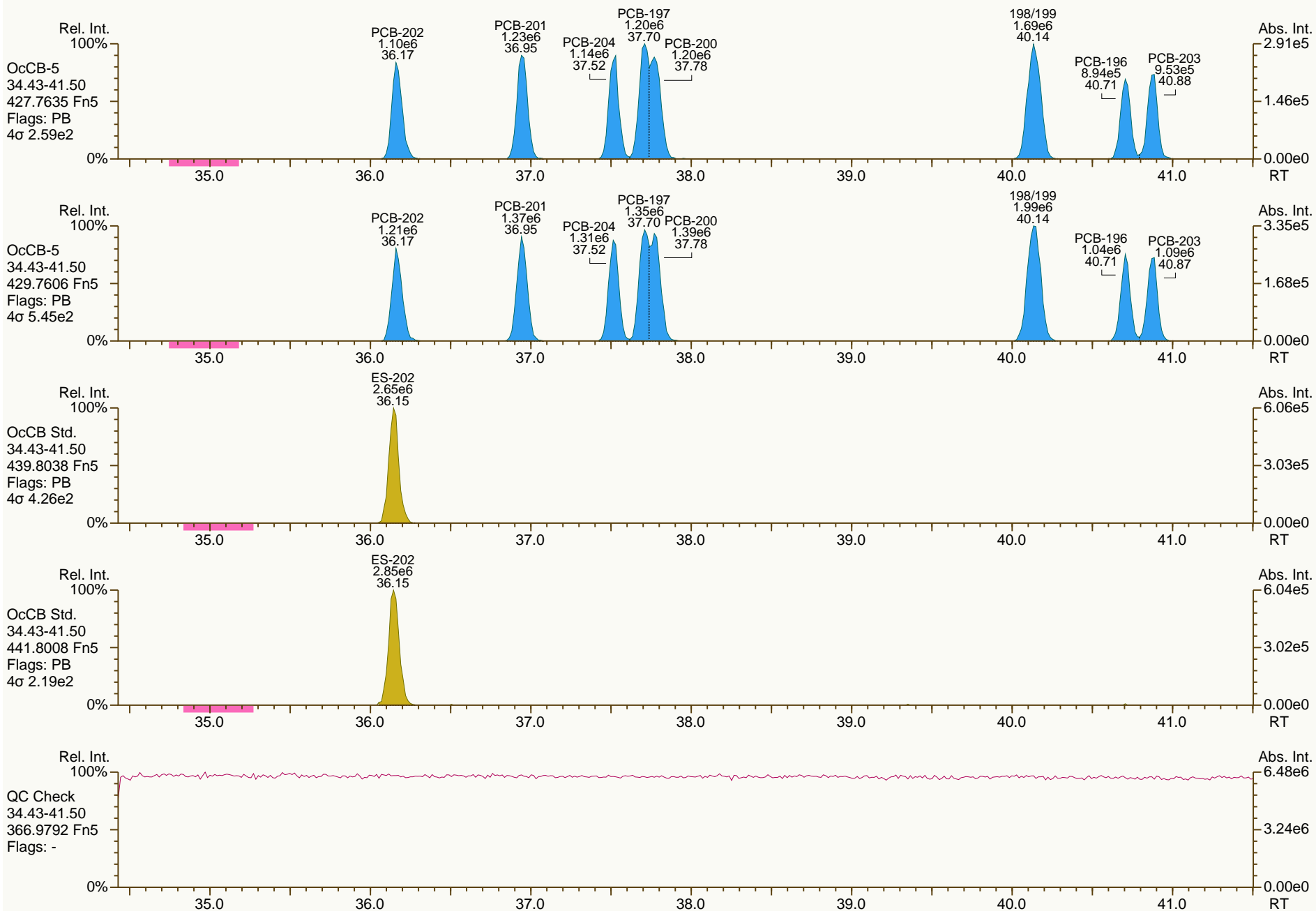
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

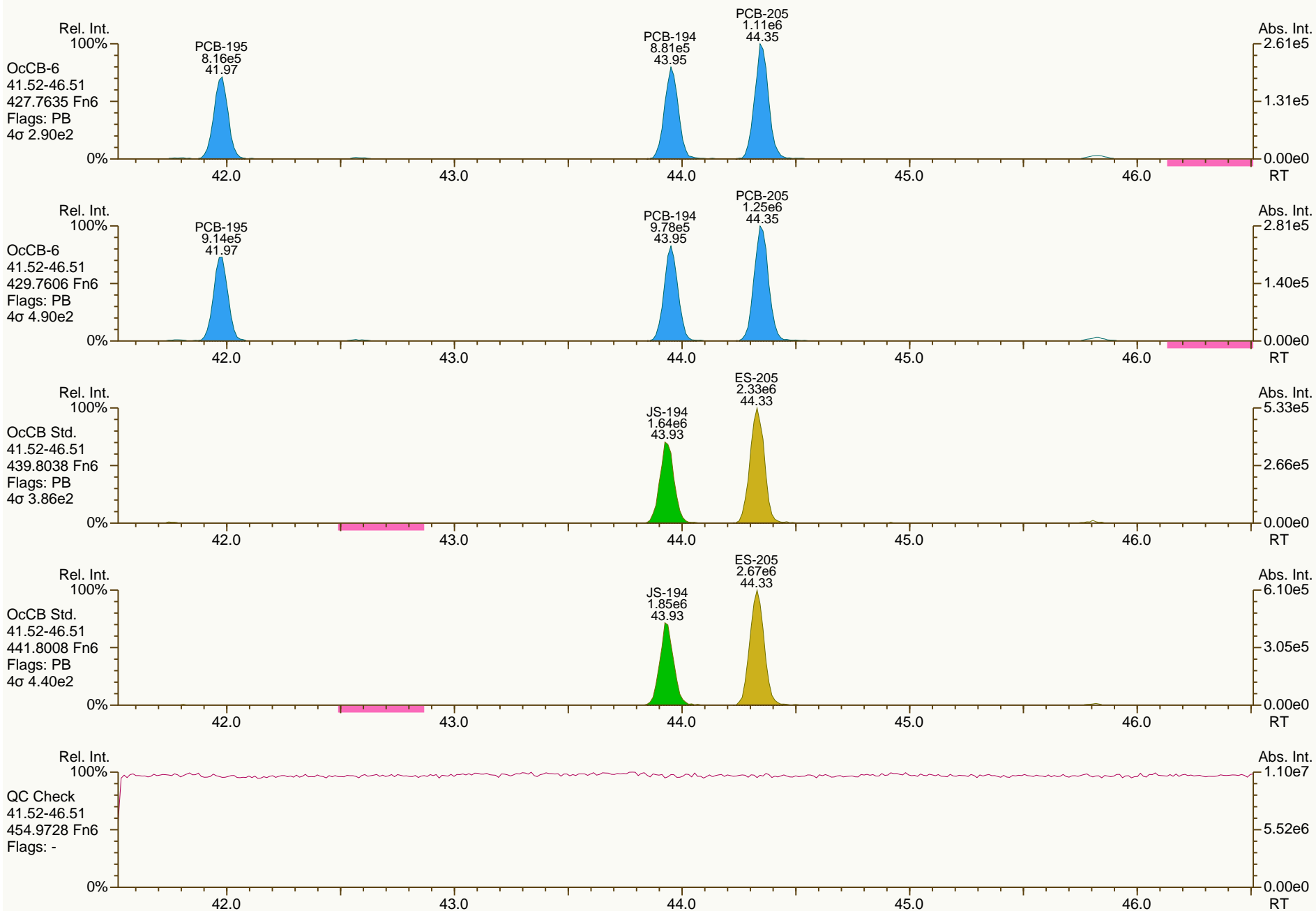
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

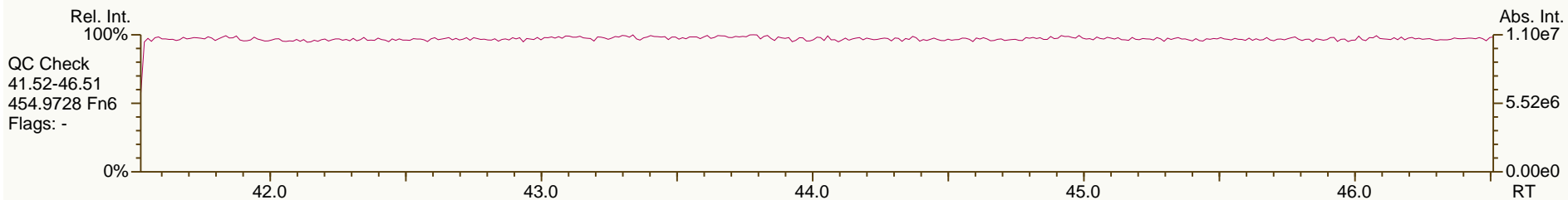
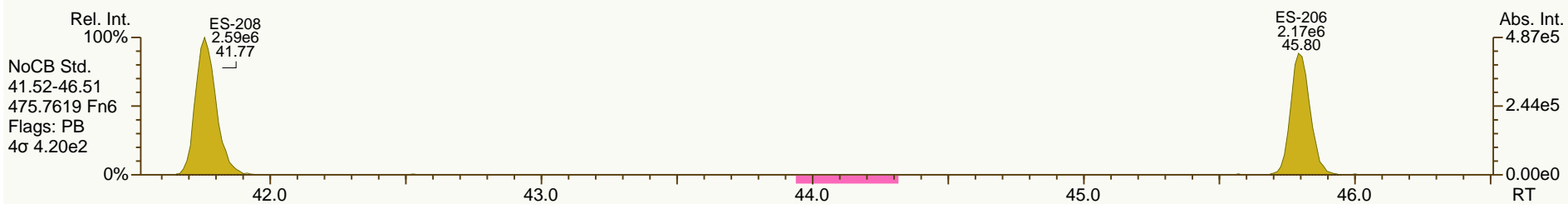
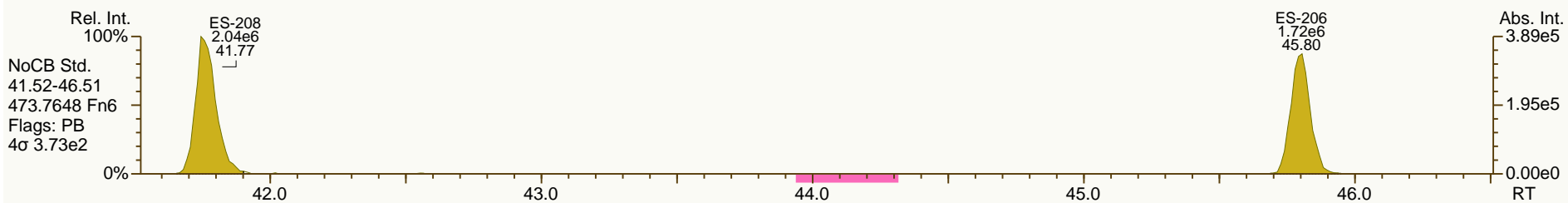
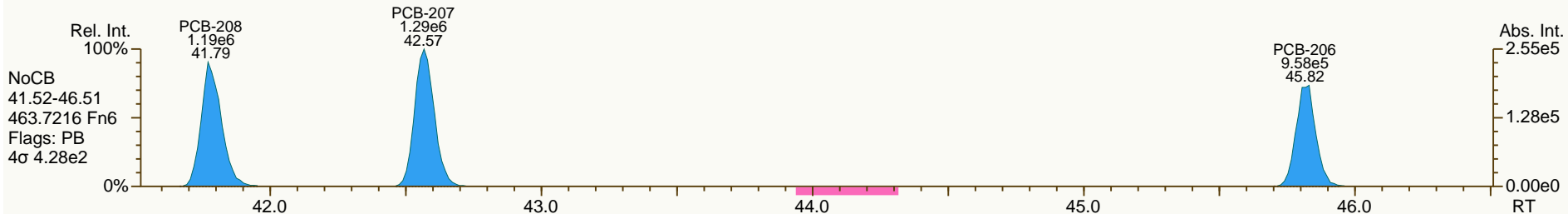
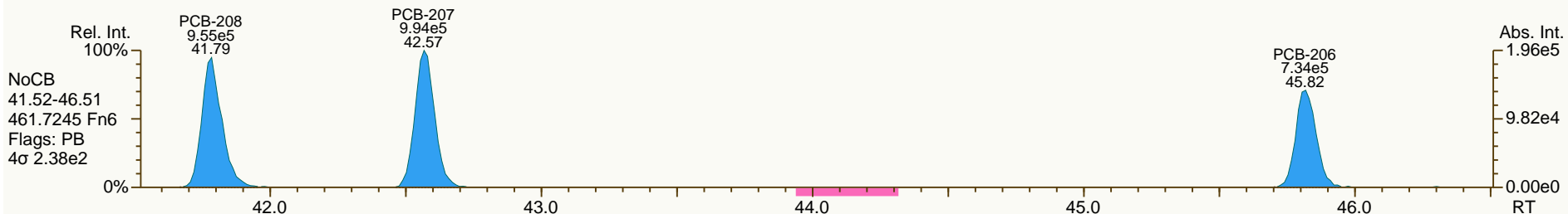
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

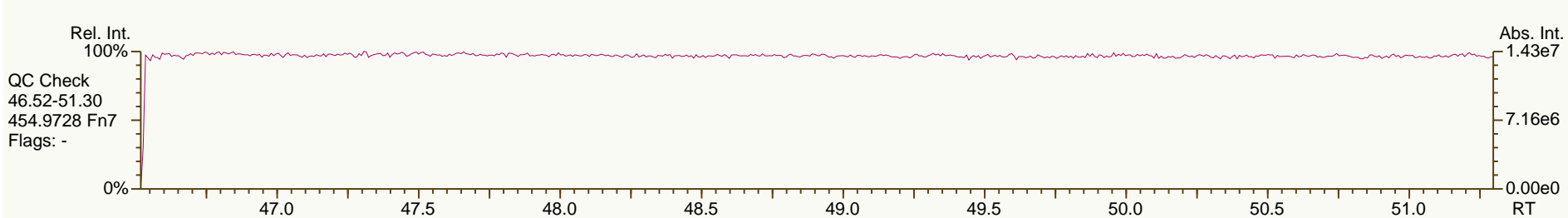
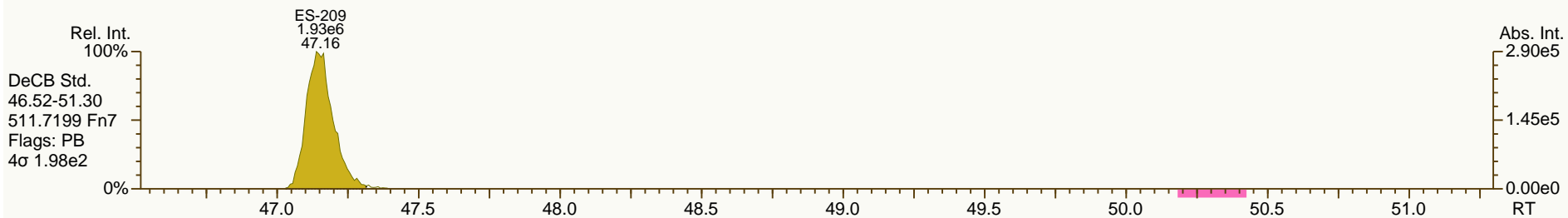
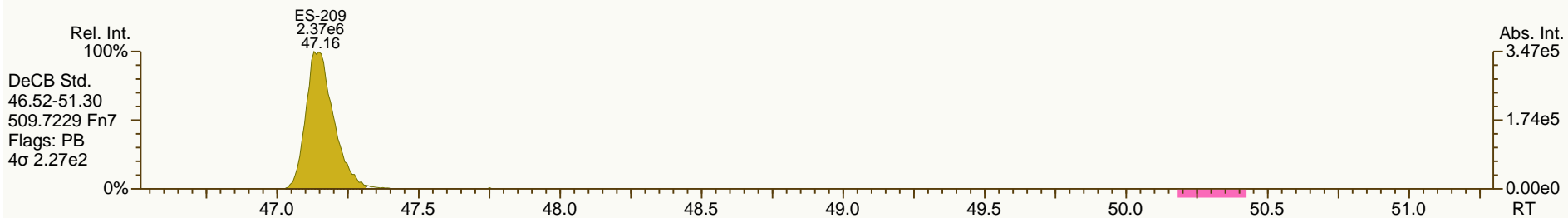
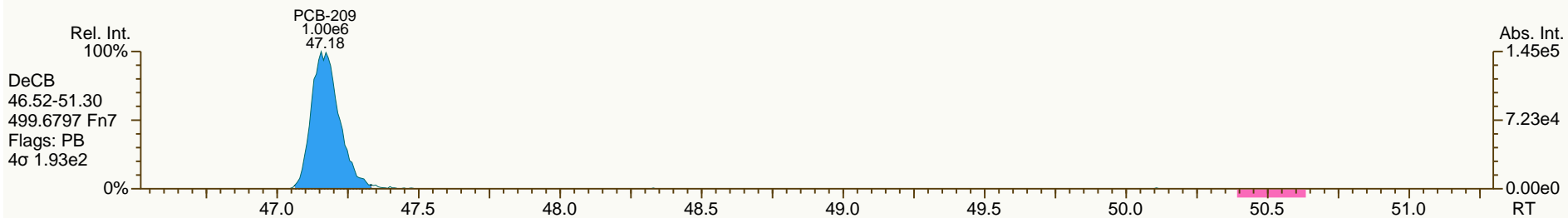
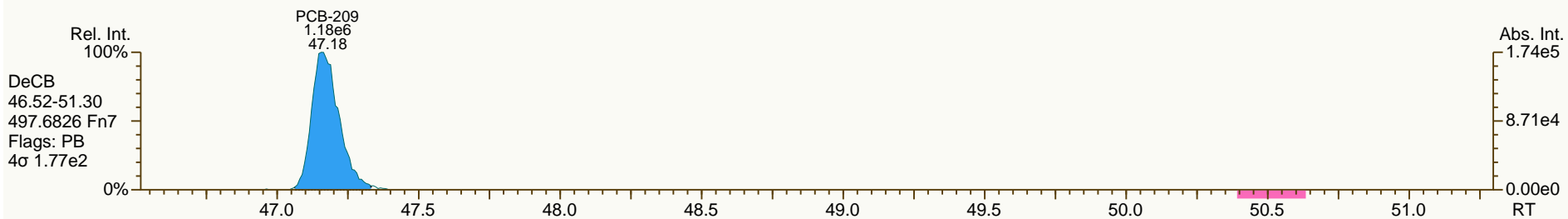
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

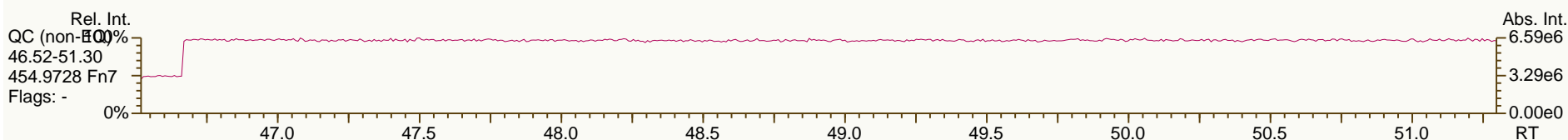
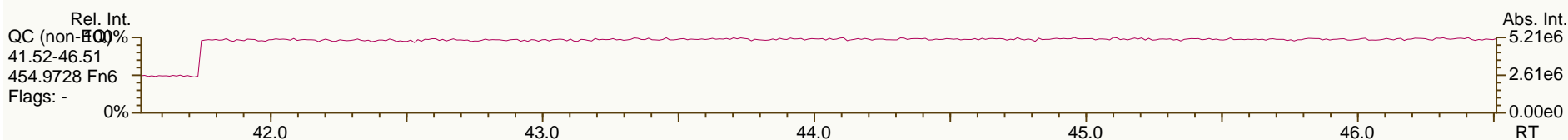
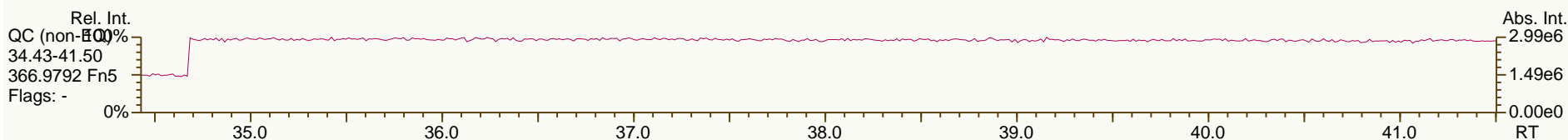
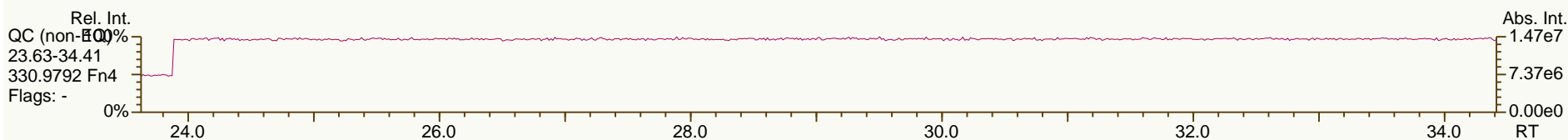
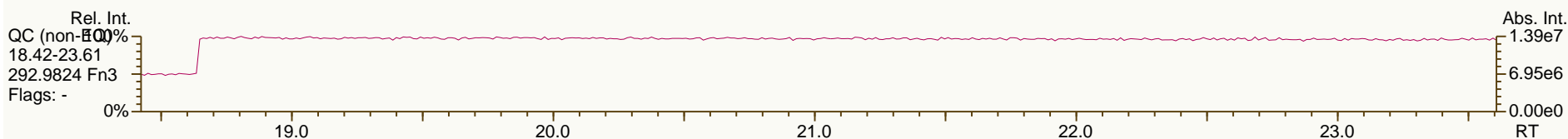
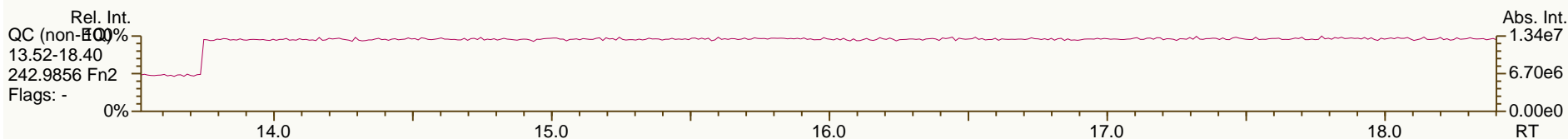
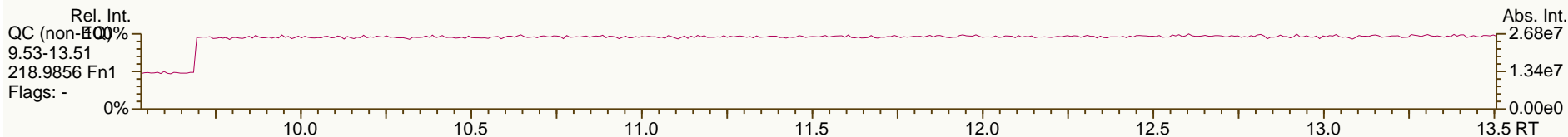
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

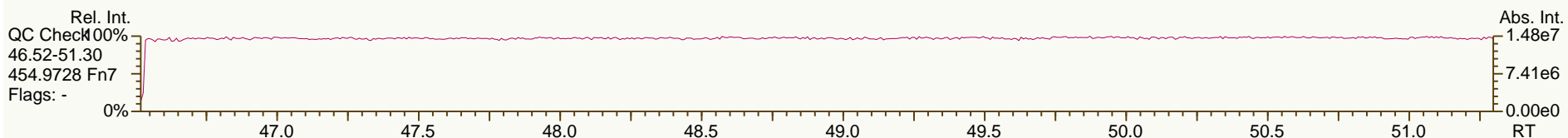
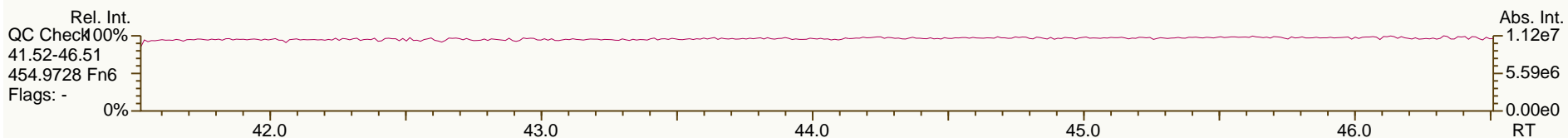
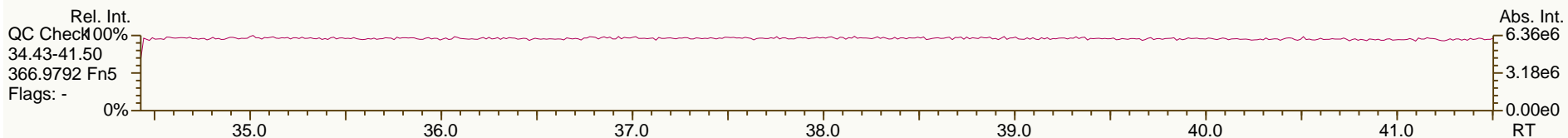
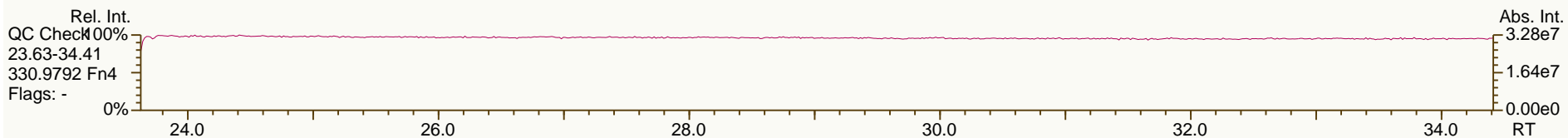
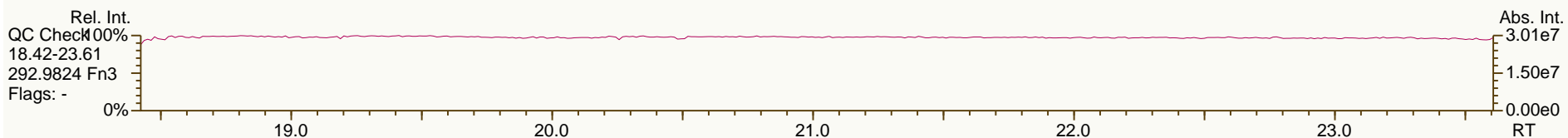
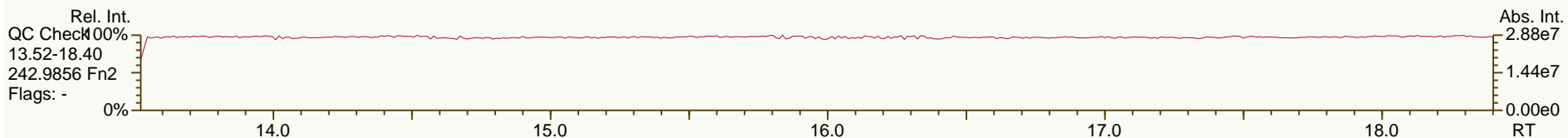
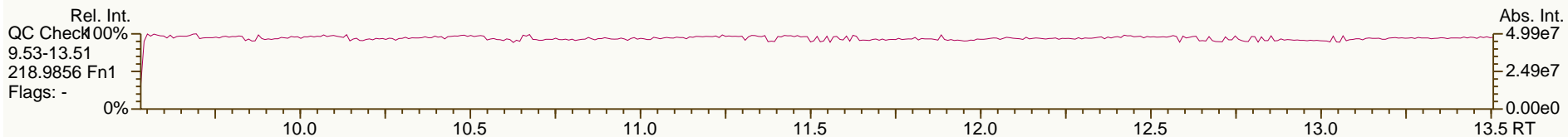
Acq: 29-Jun-2012 12:43:15
 User: LKB Datafile: 120629S03



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

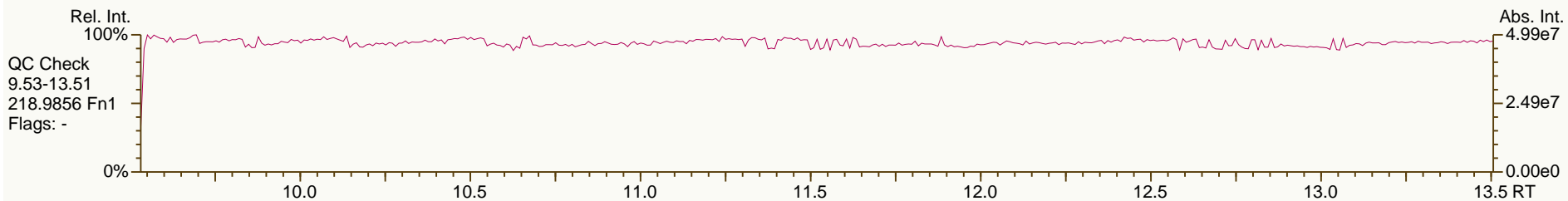
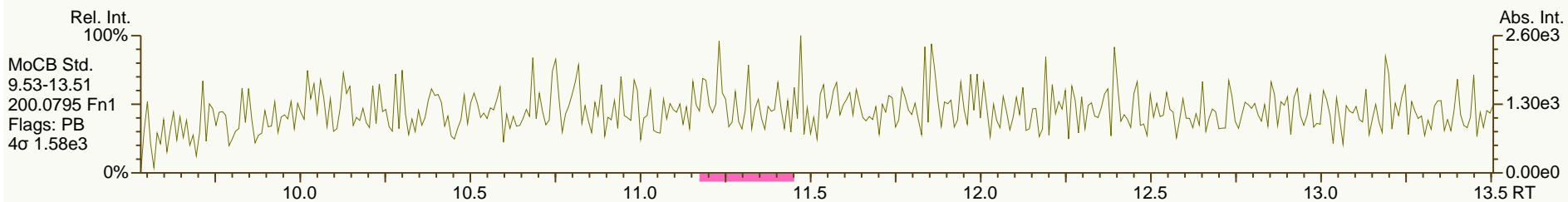
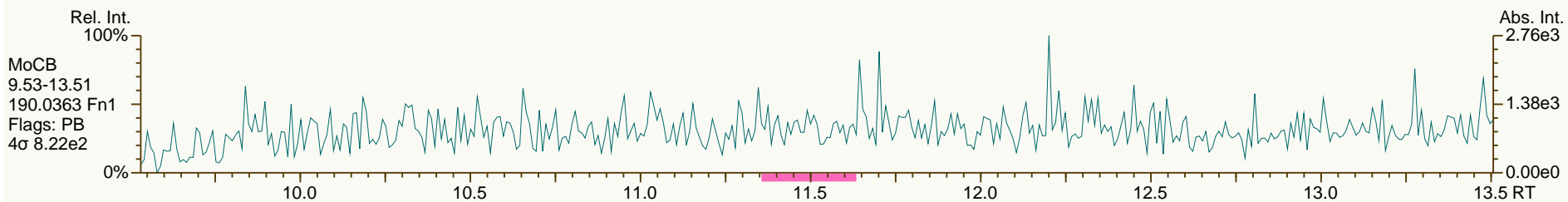
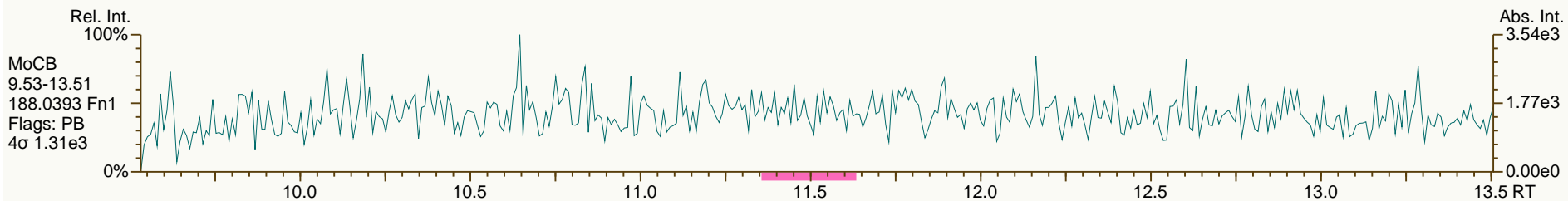
Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

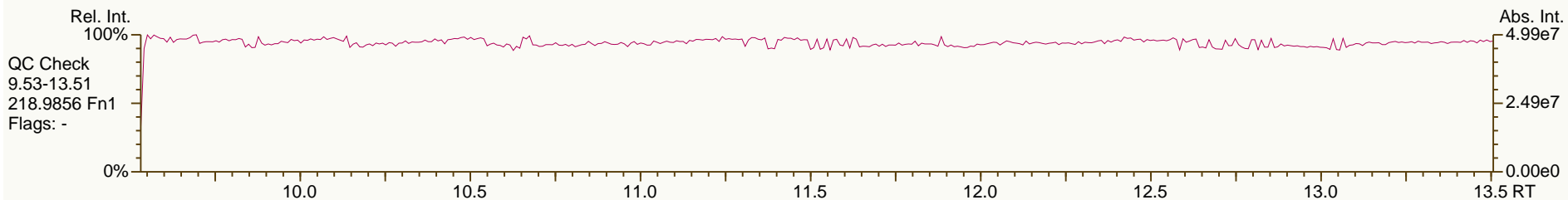
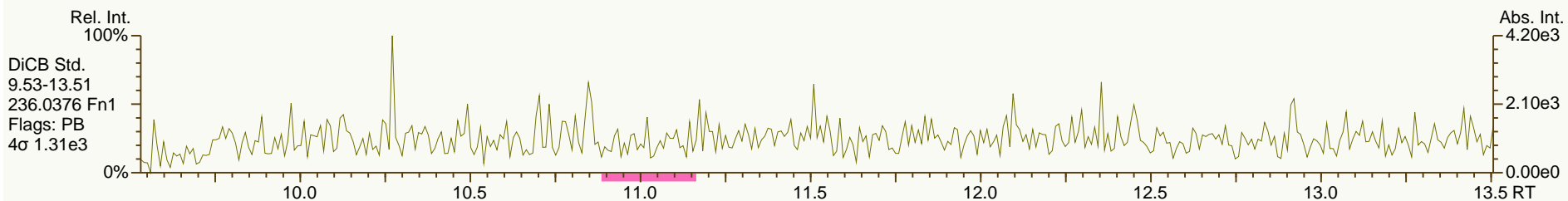
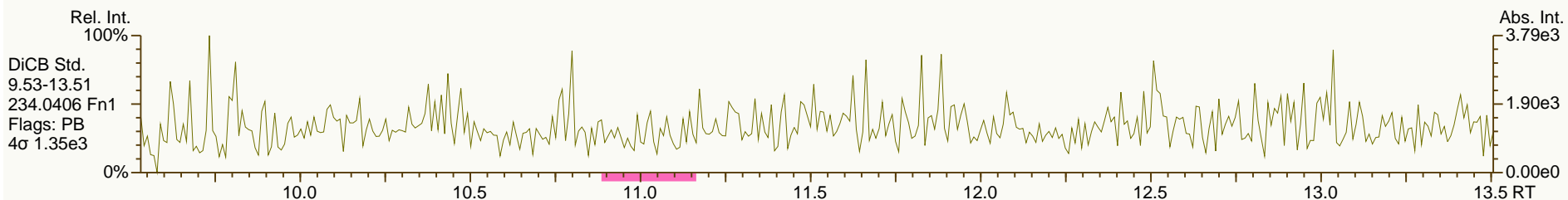
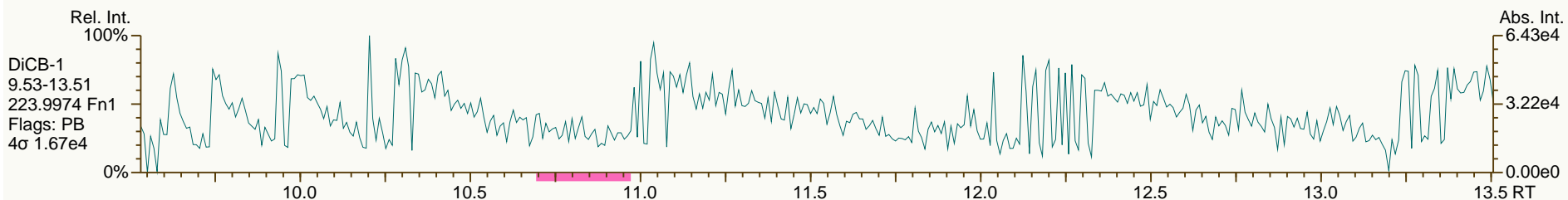
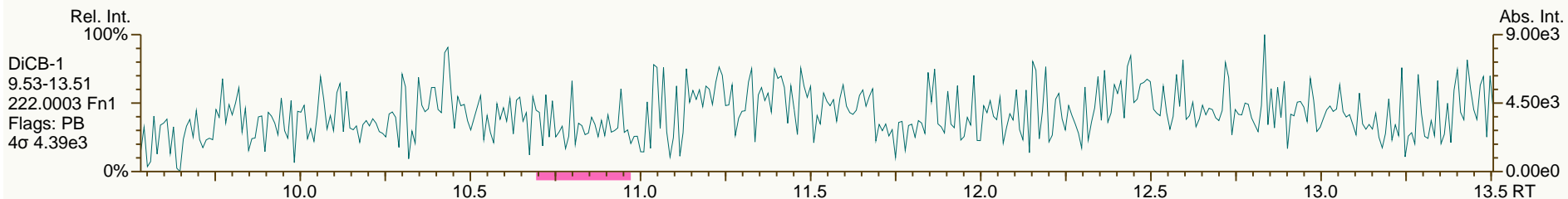
Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

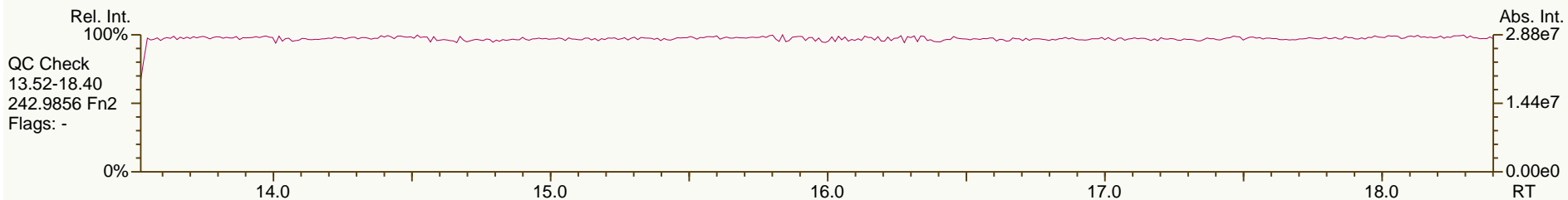
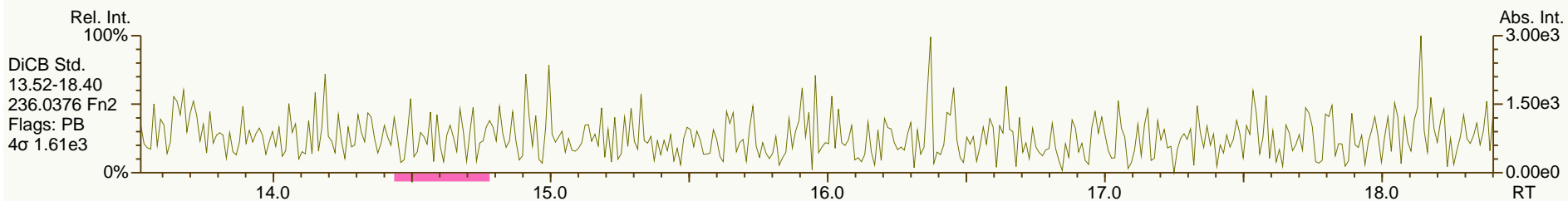
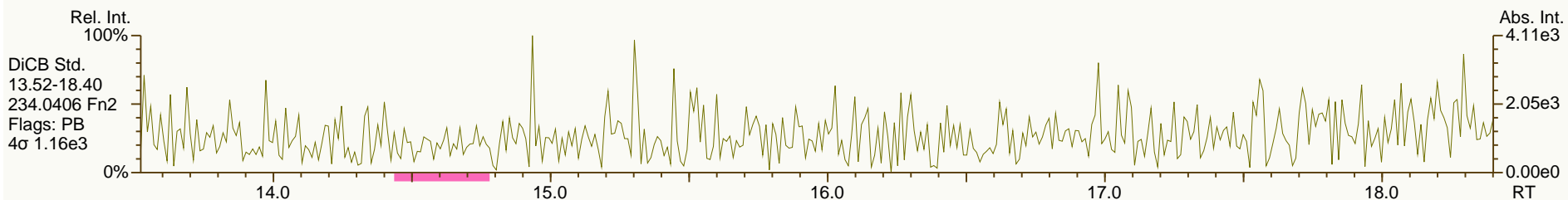
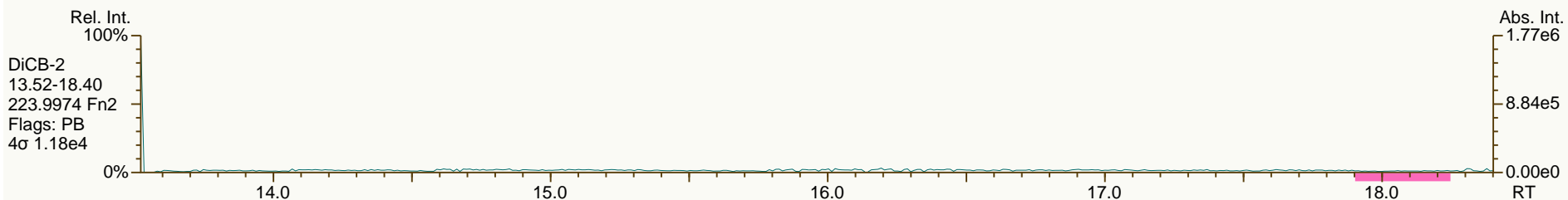
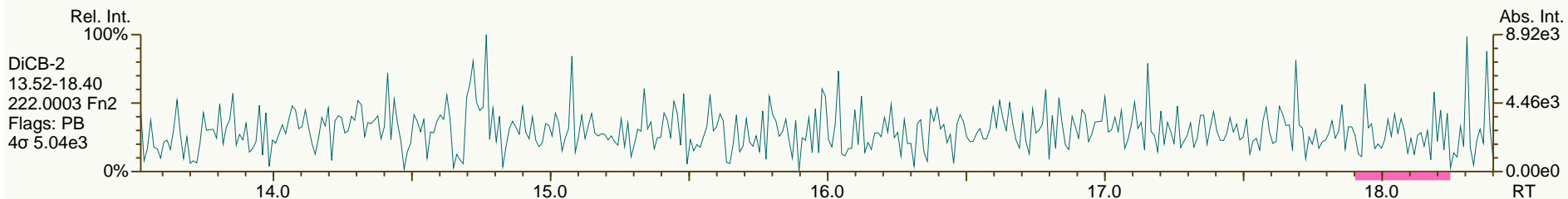
Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

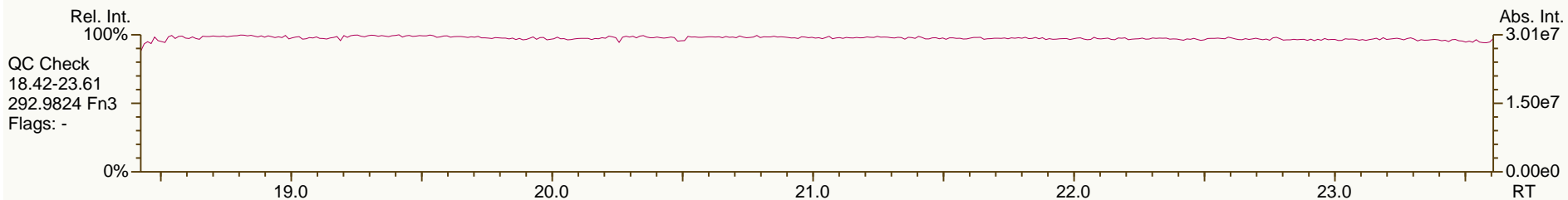
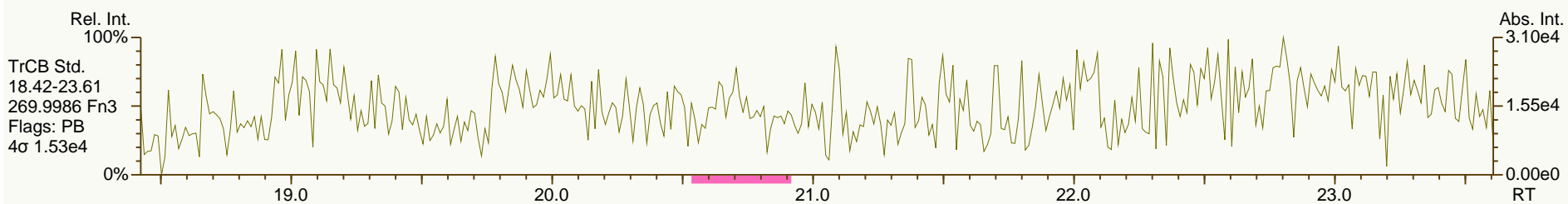
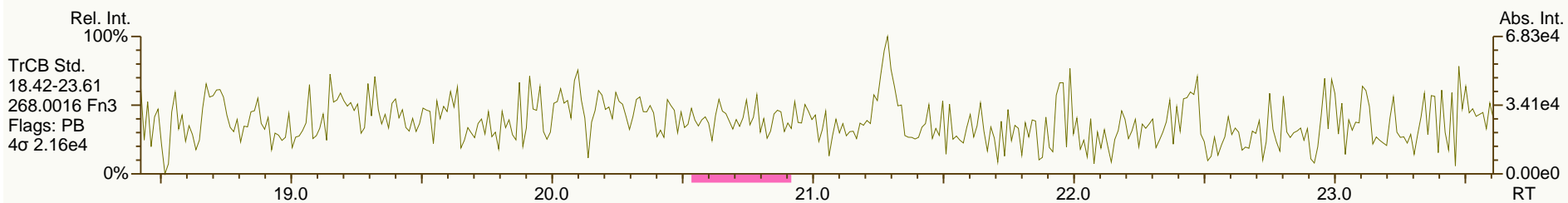
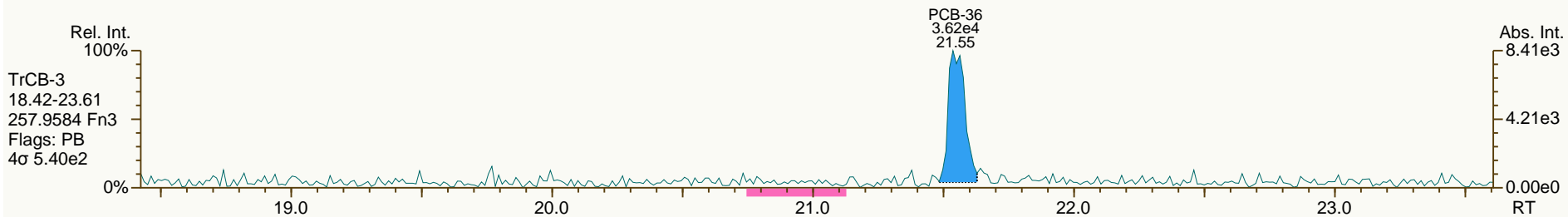
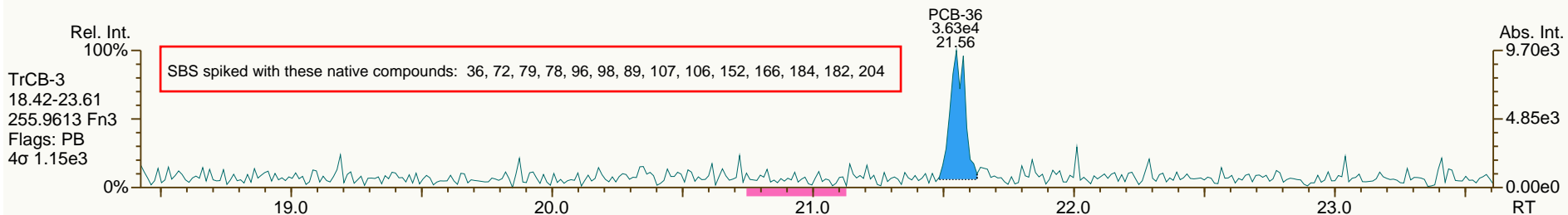
Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

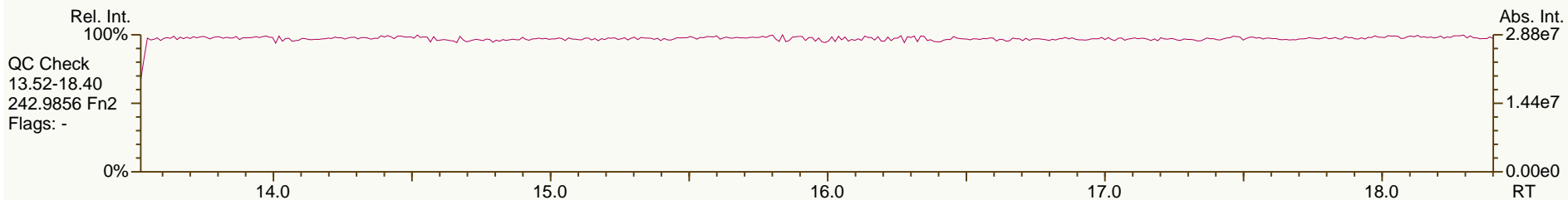
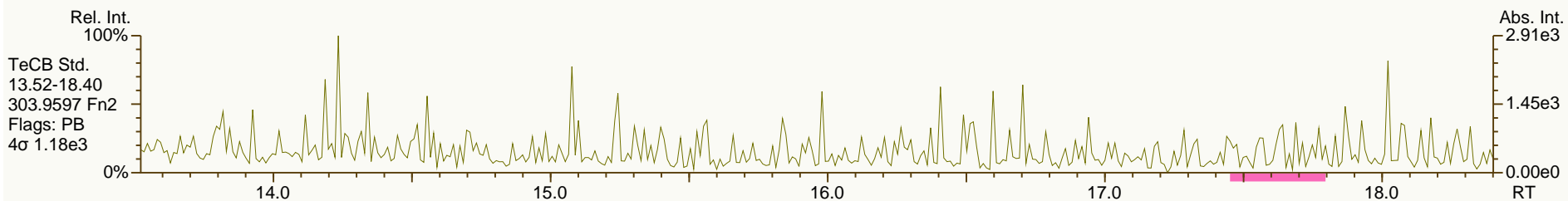
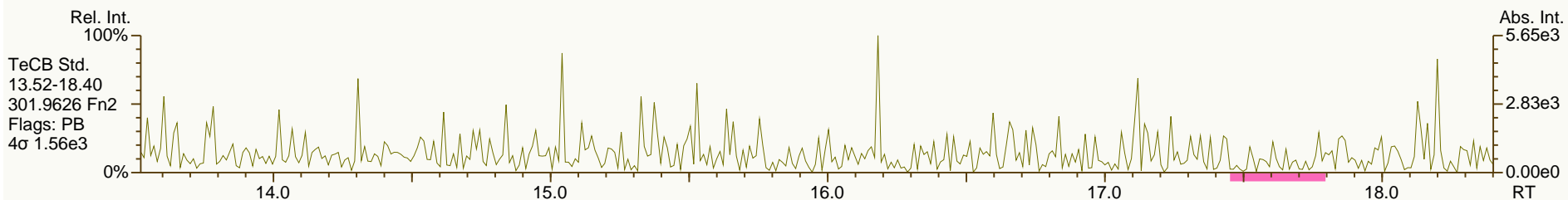
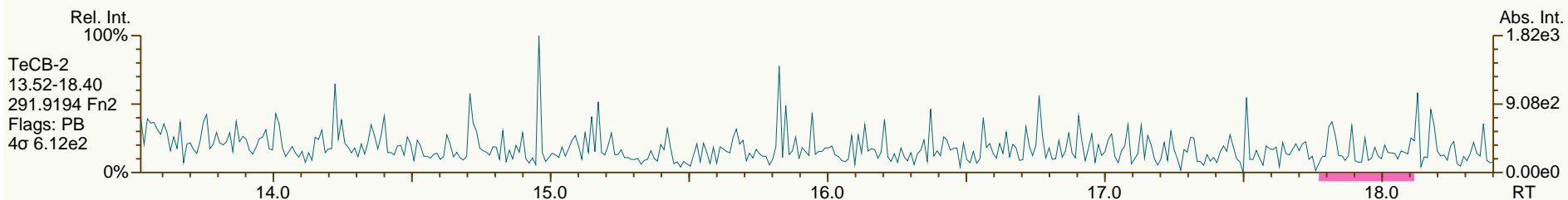
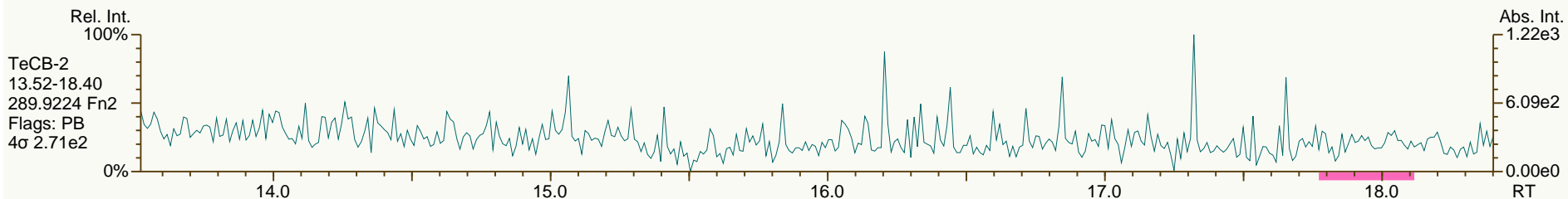
Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

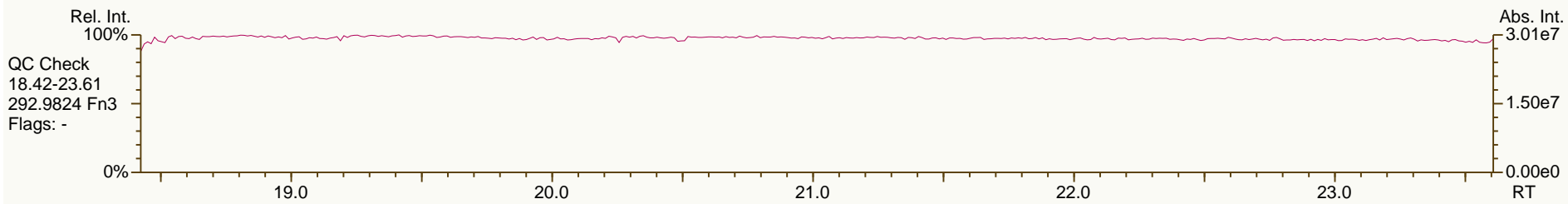
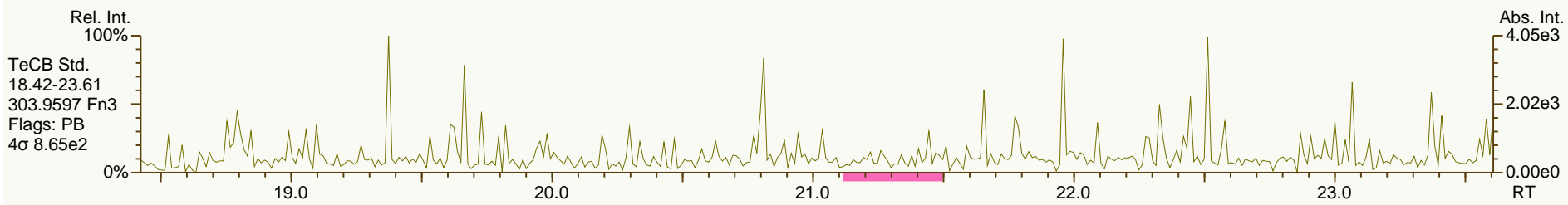
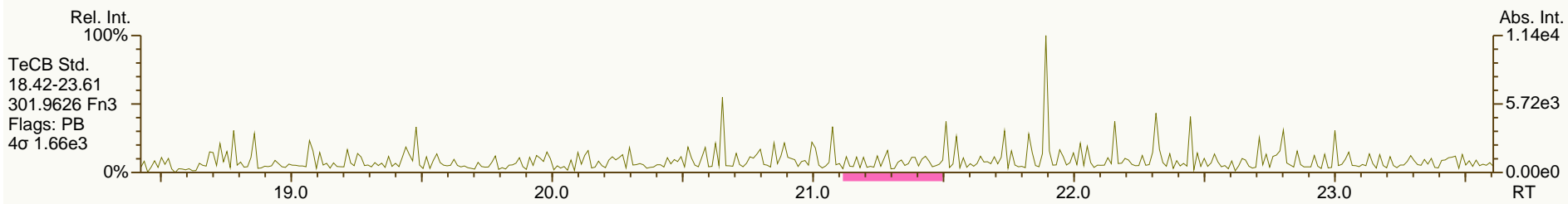
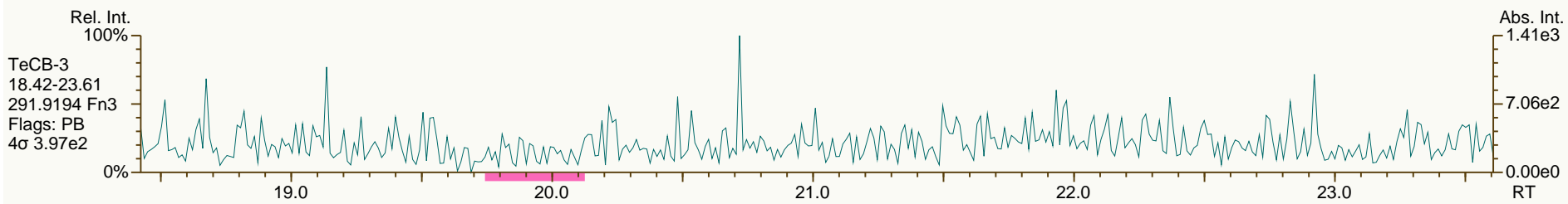
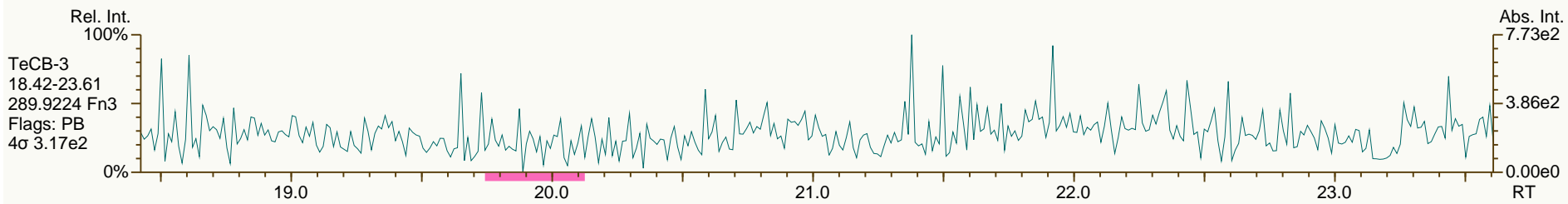
Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

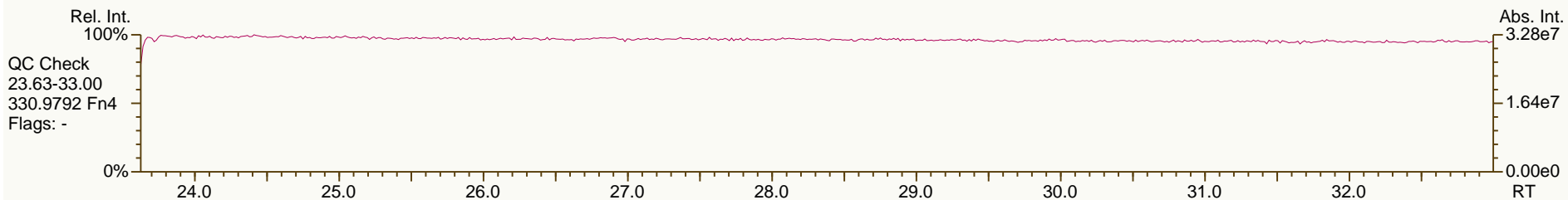
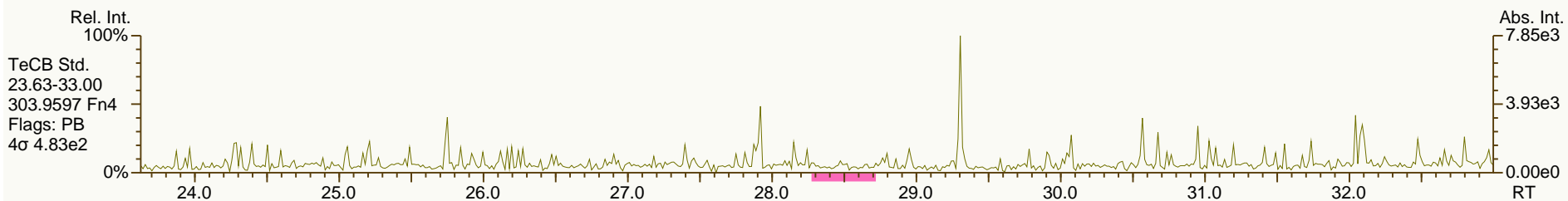
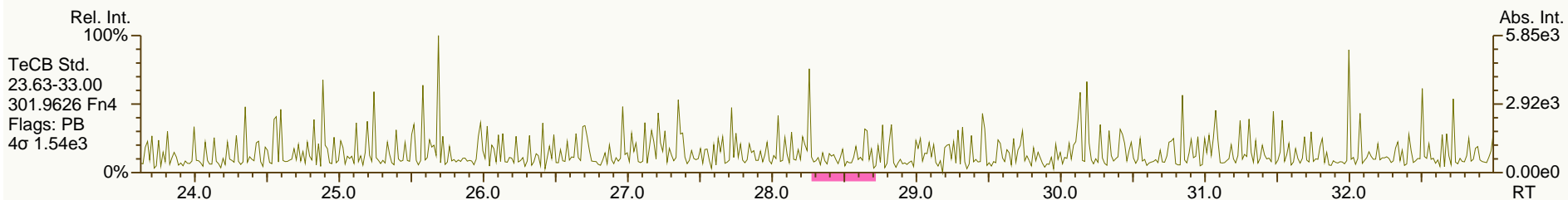
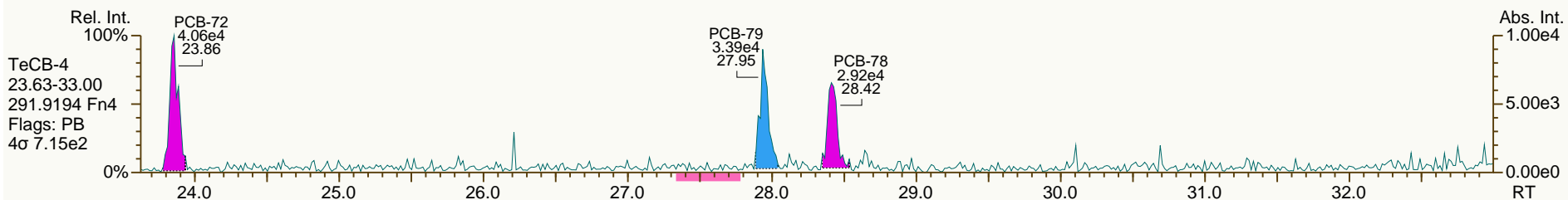
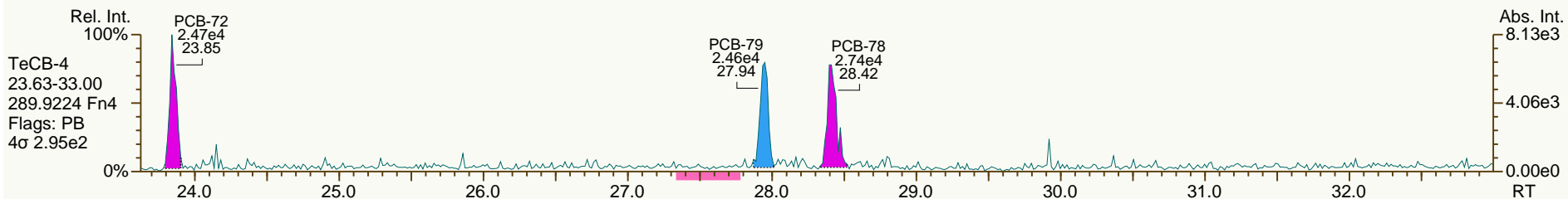
Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

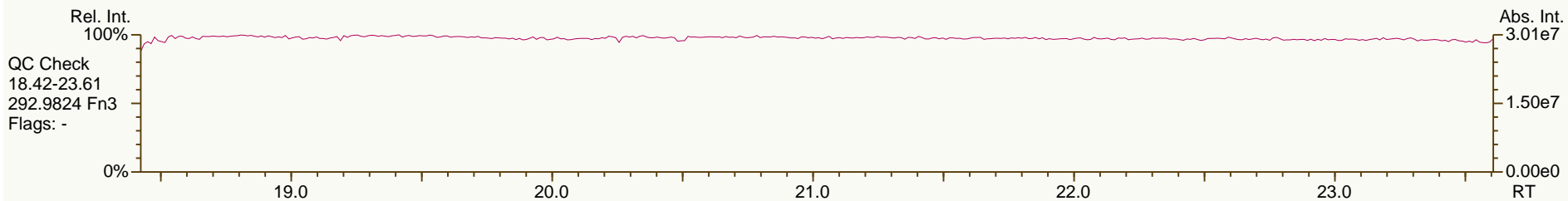
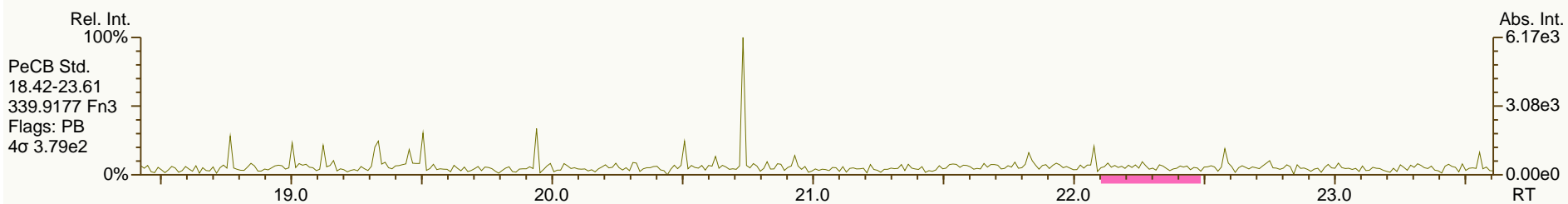
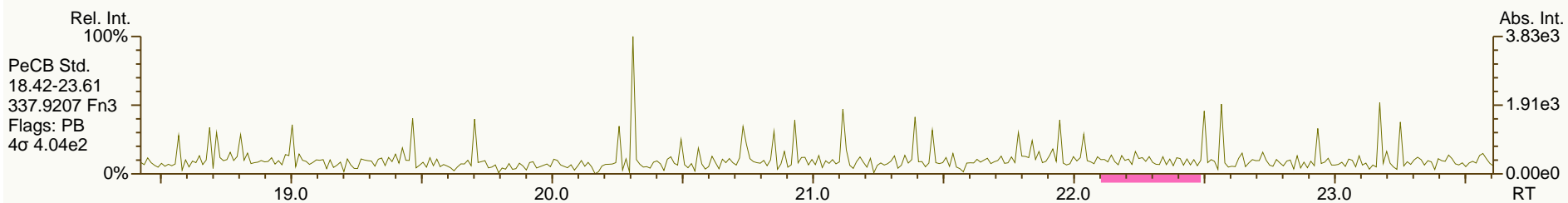
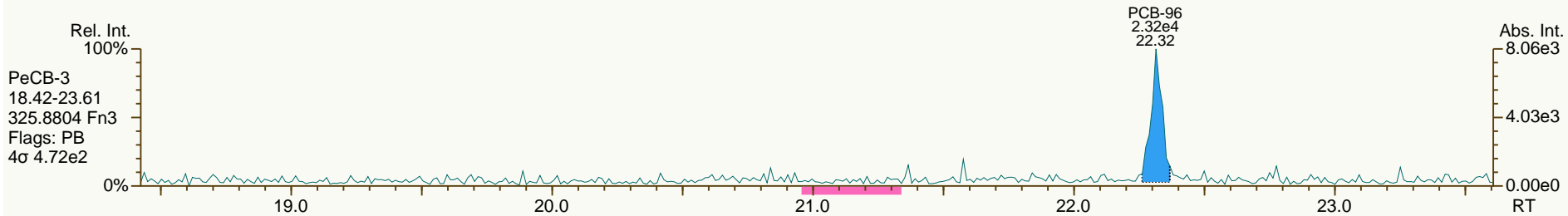
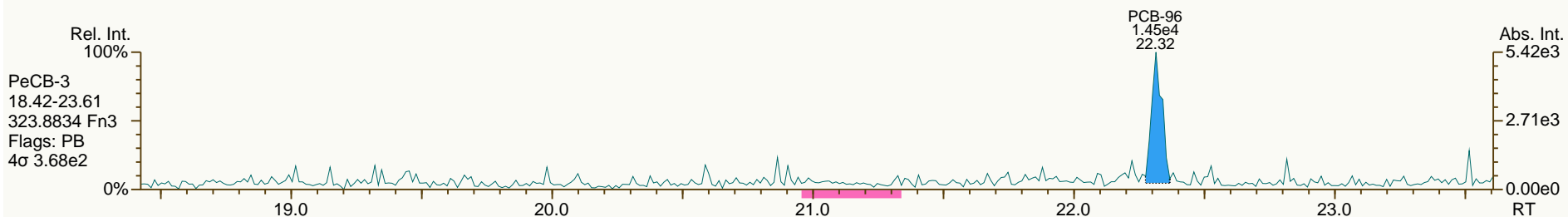
Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

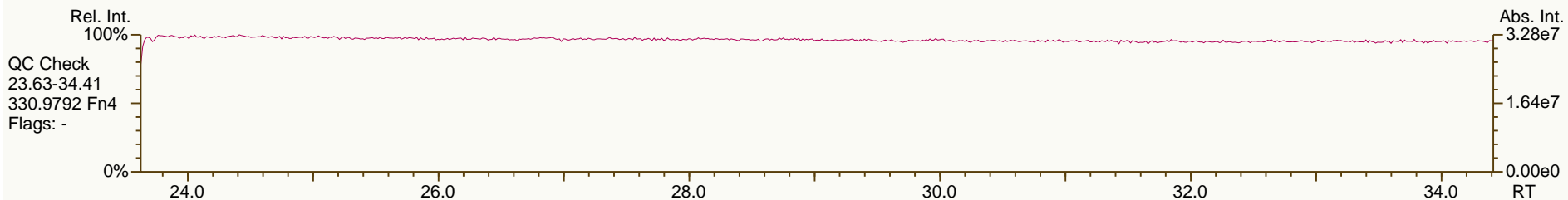
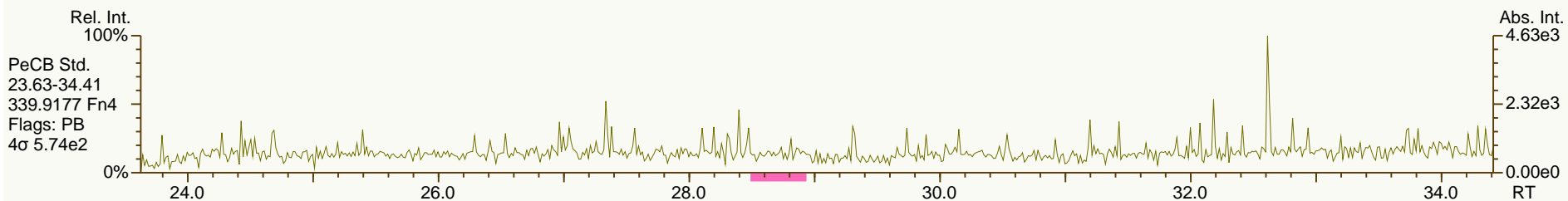
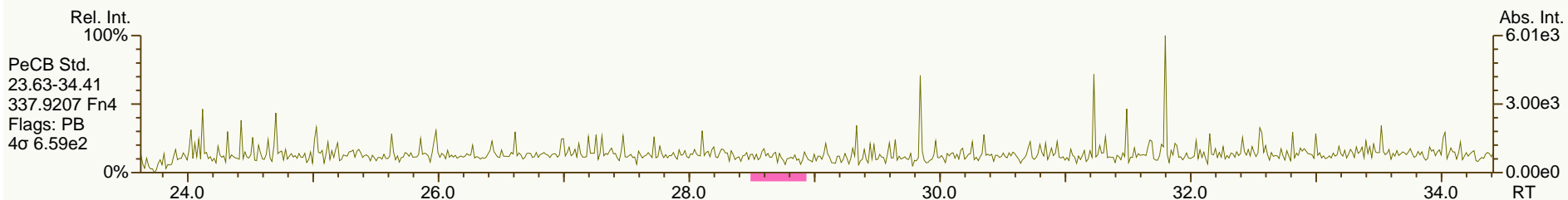
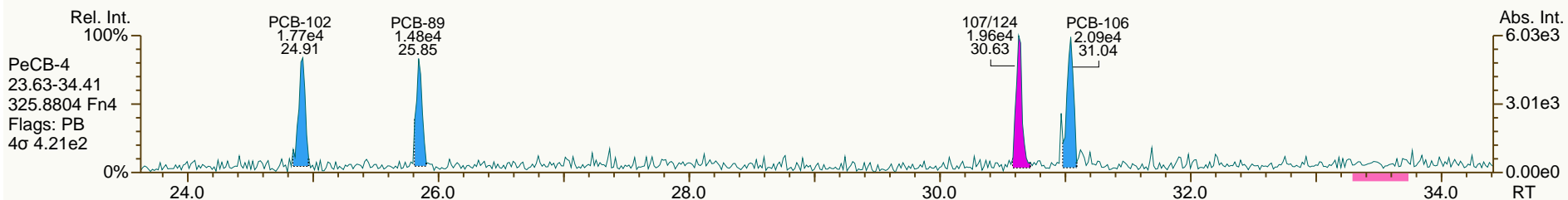
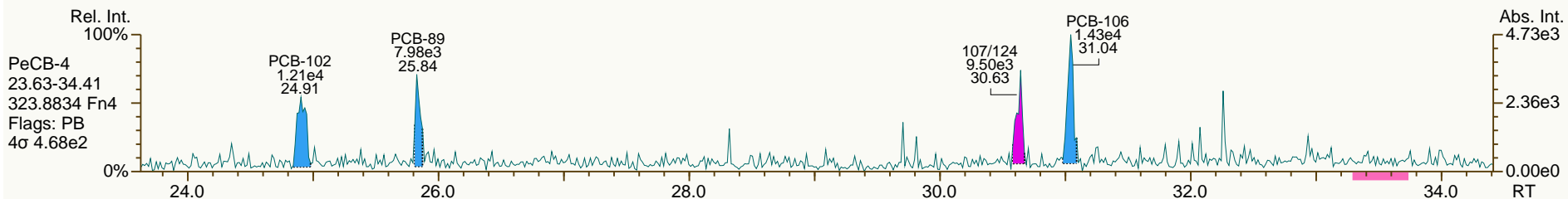
Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

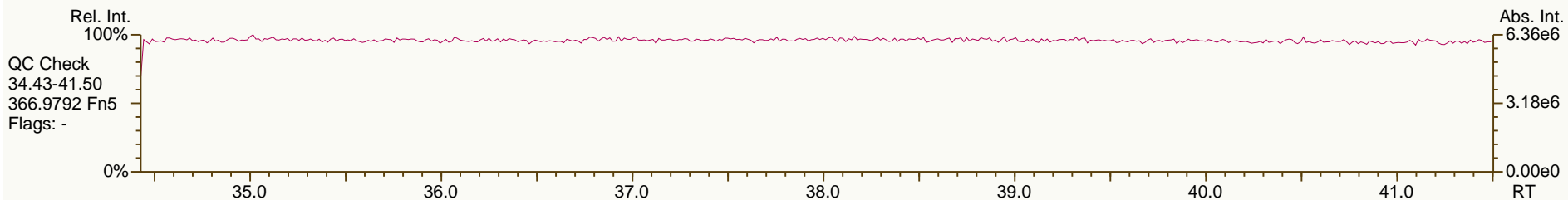
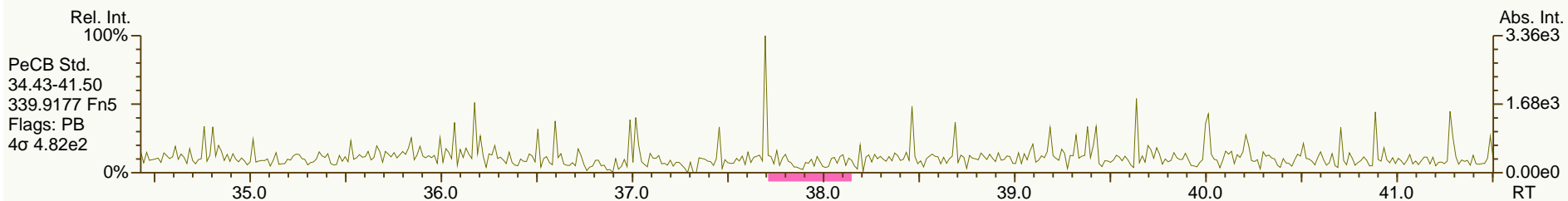
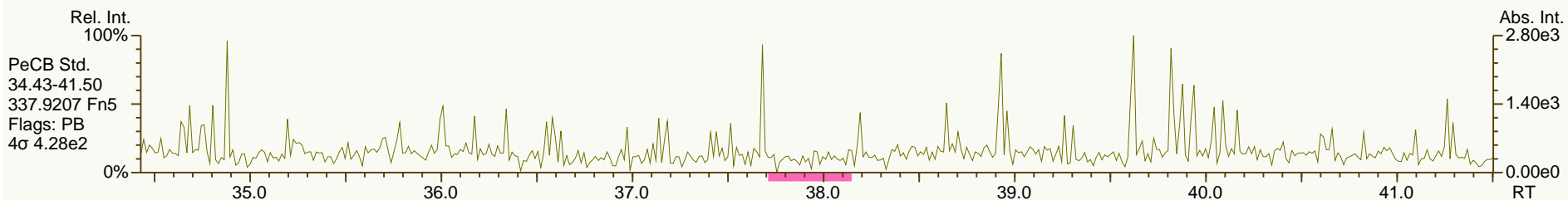
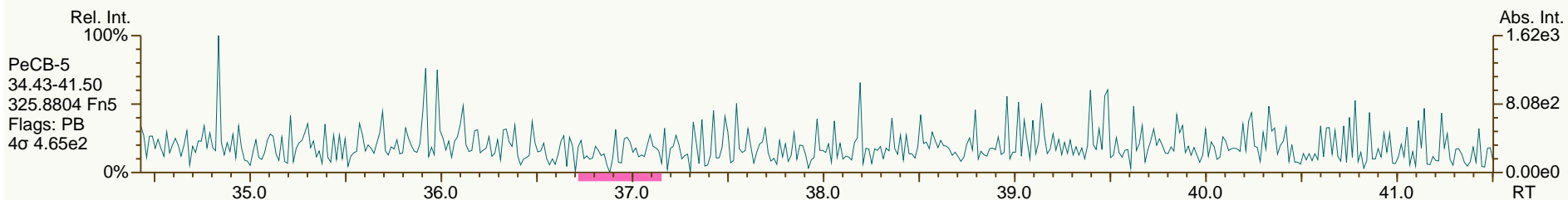
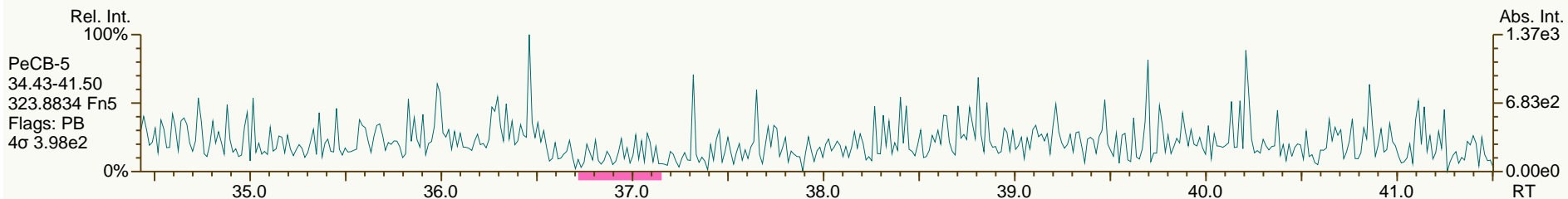
Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

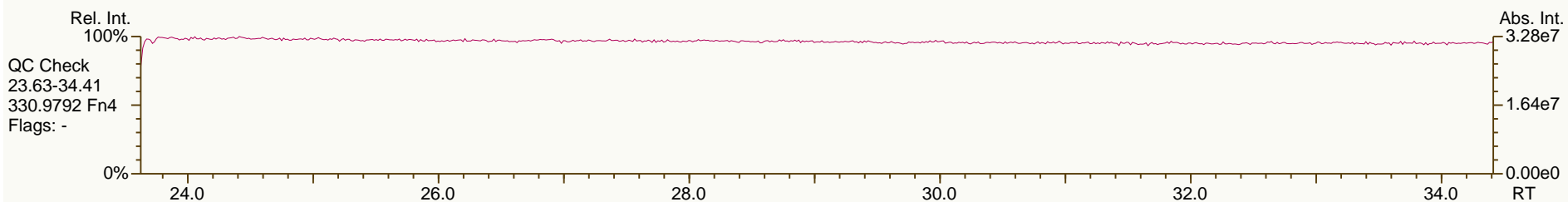
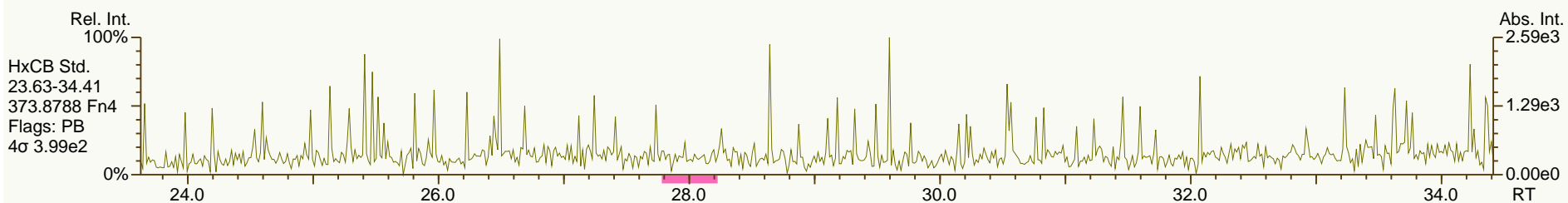
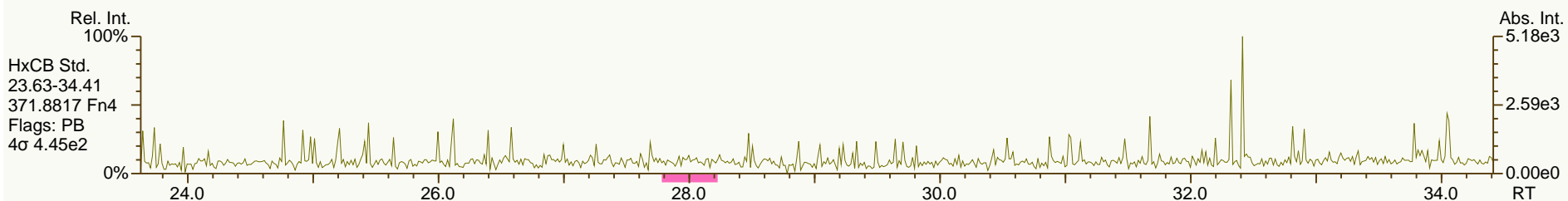
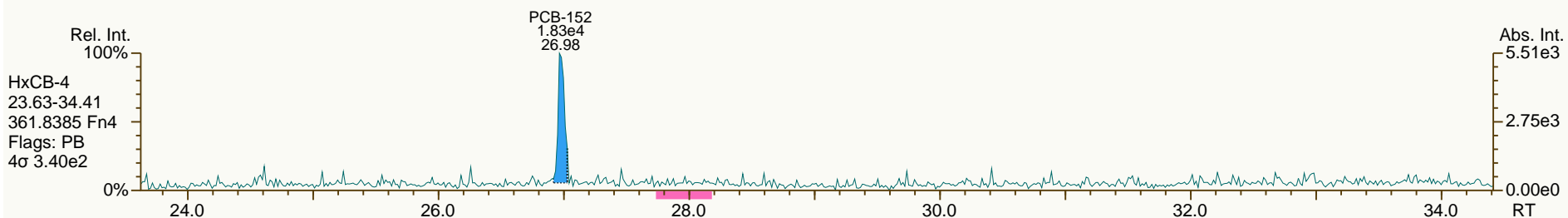
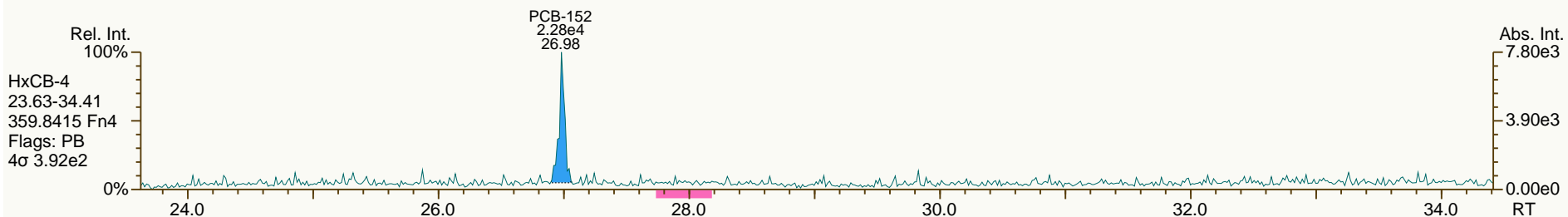
Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

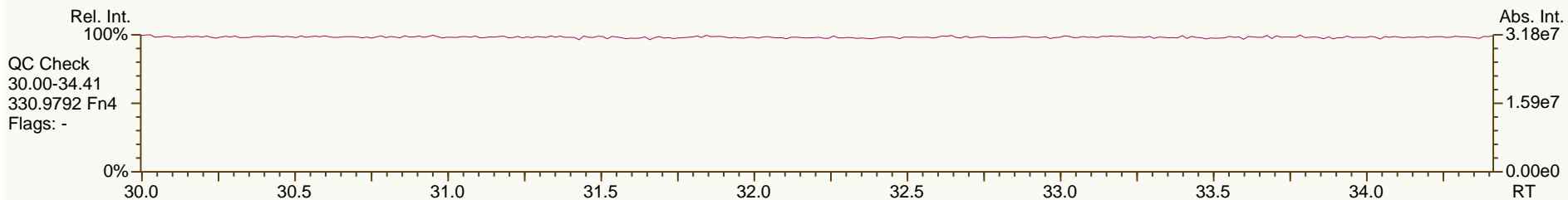
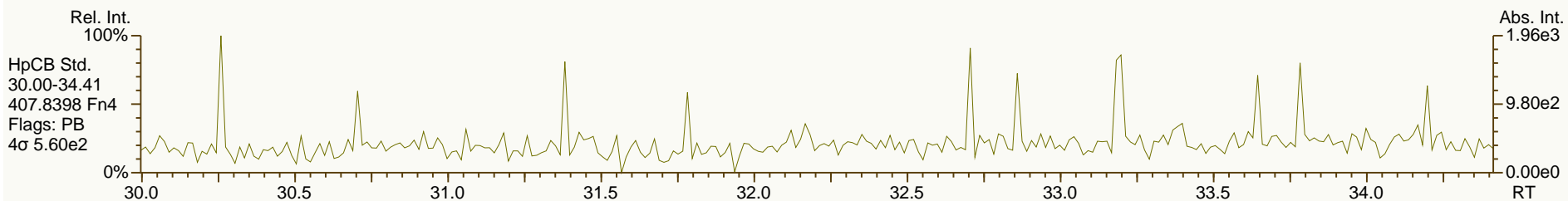
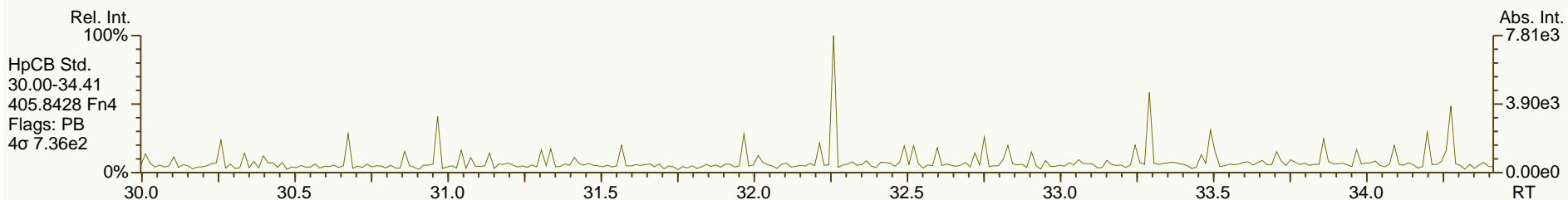
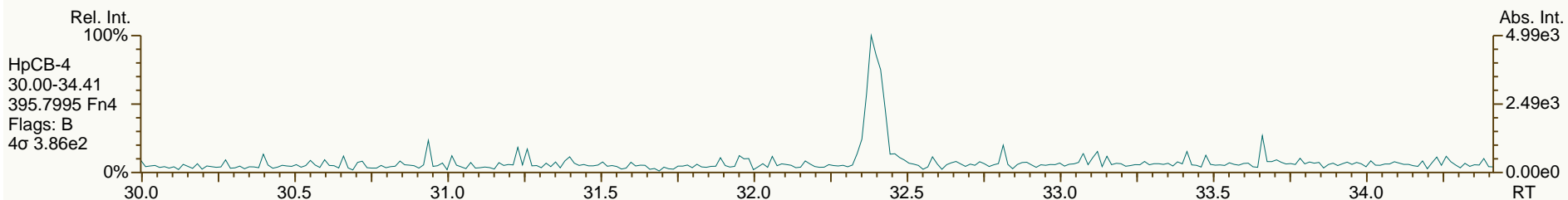
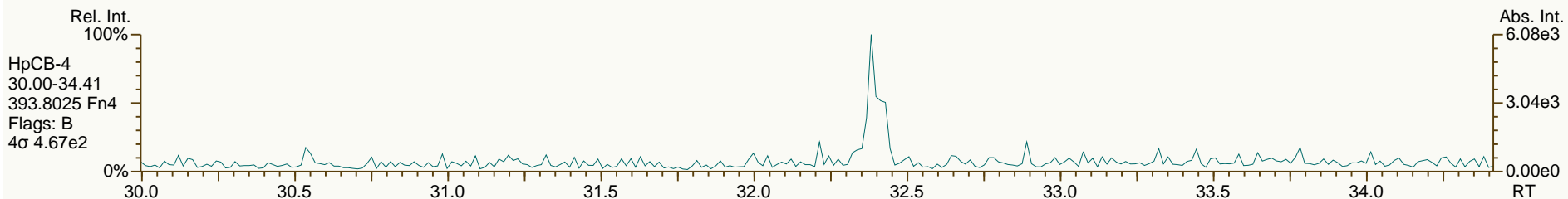
Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

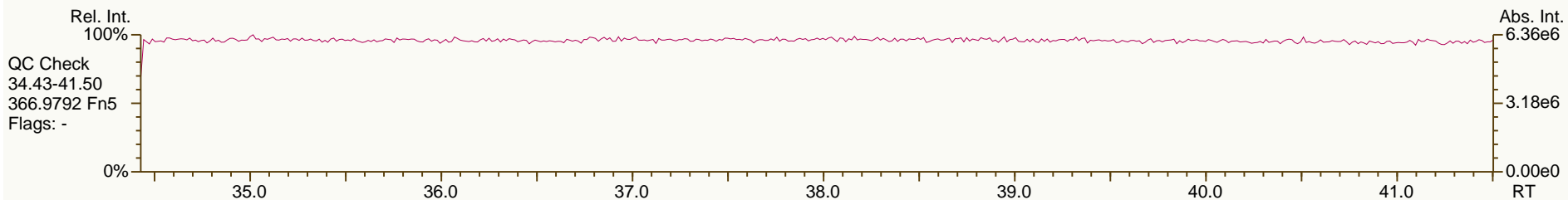
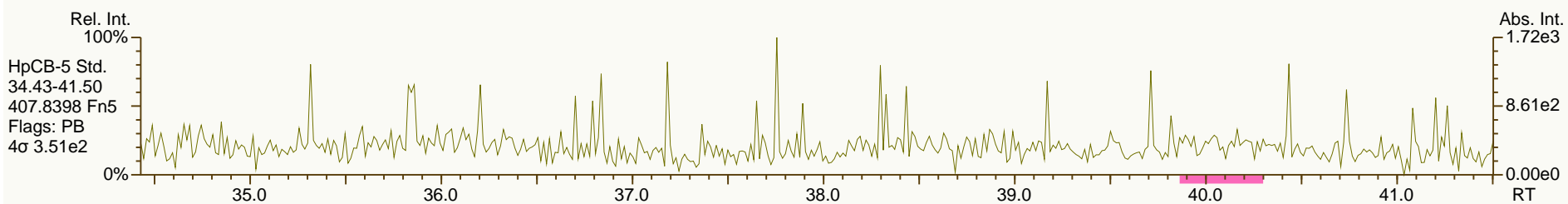
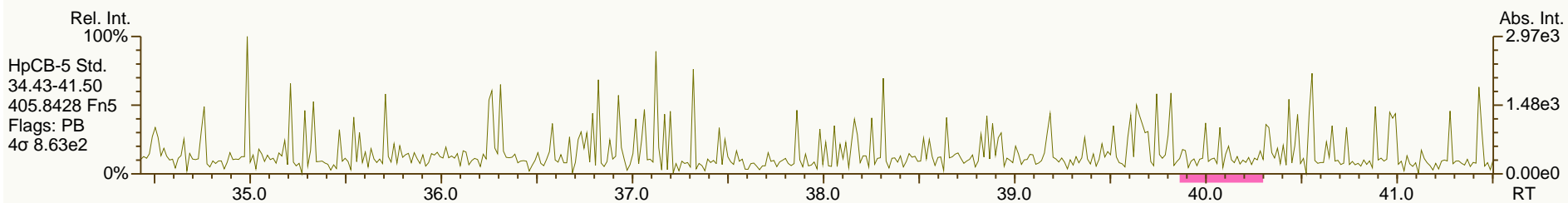
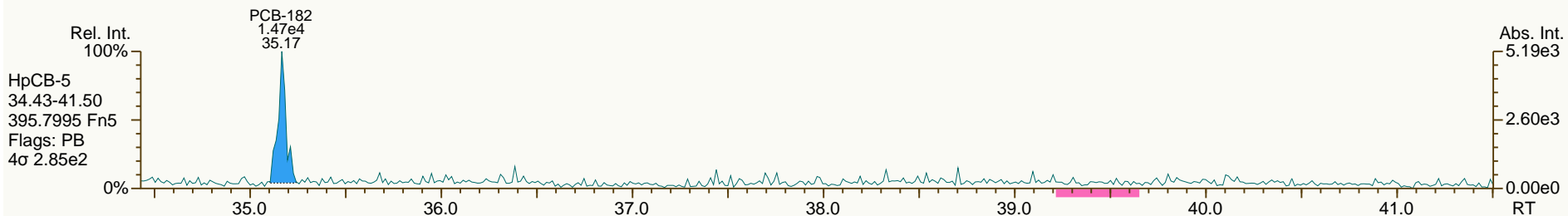
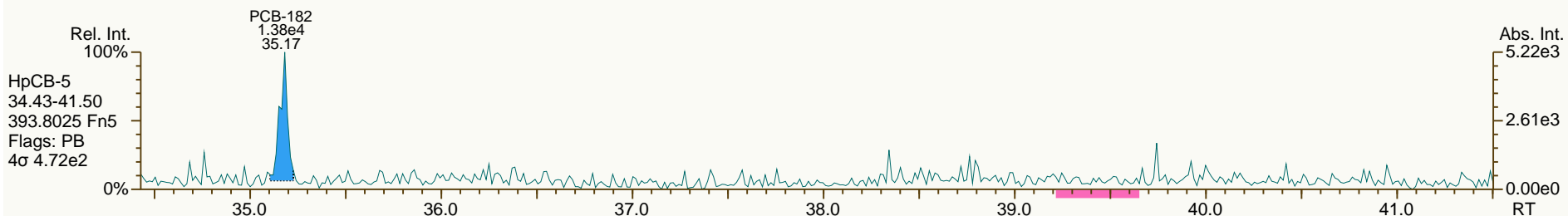
Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

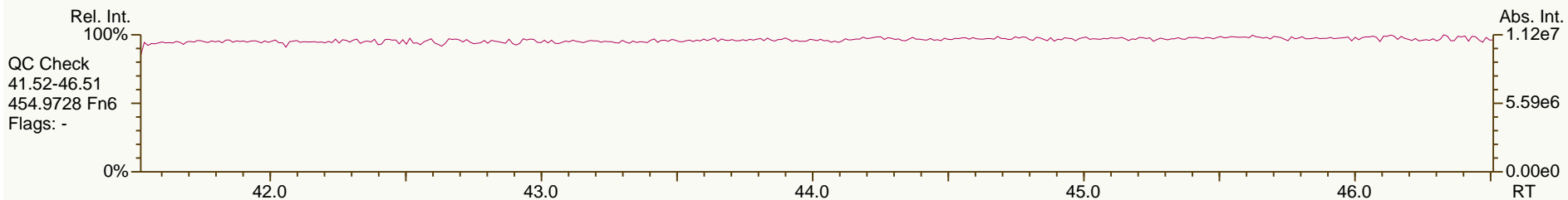
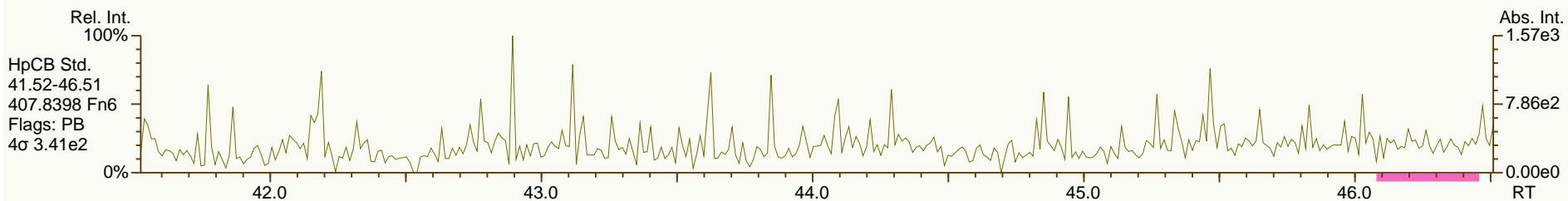
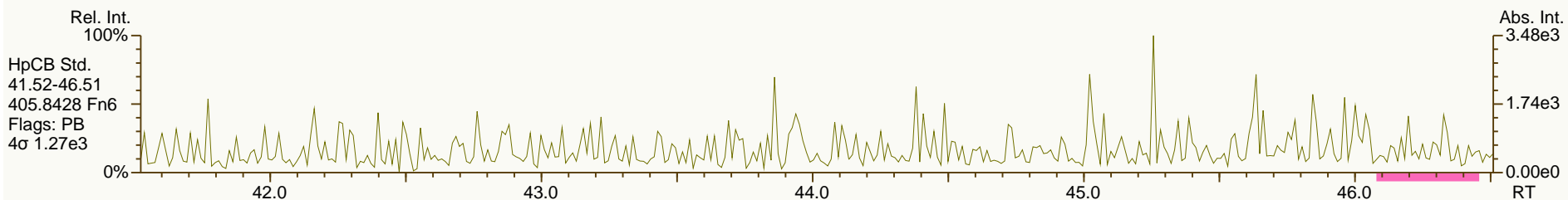
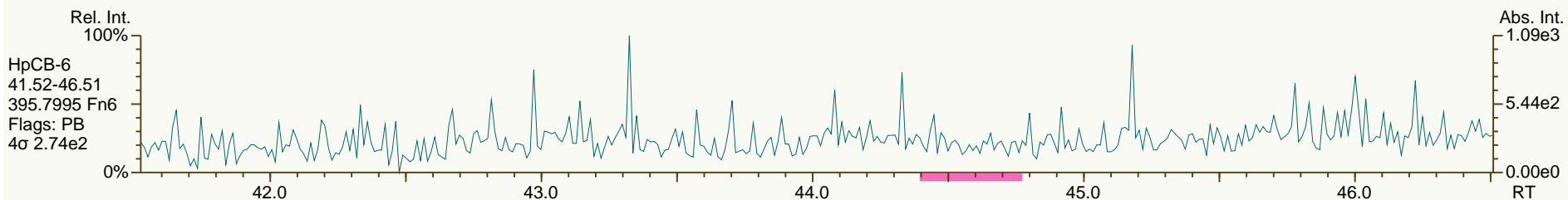
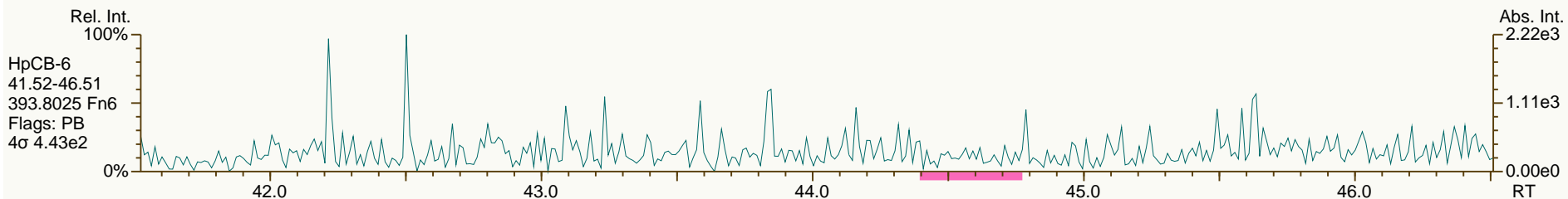
Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

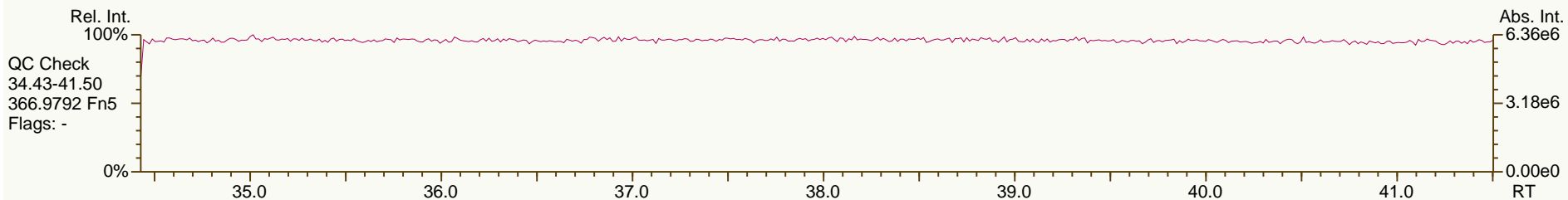
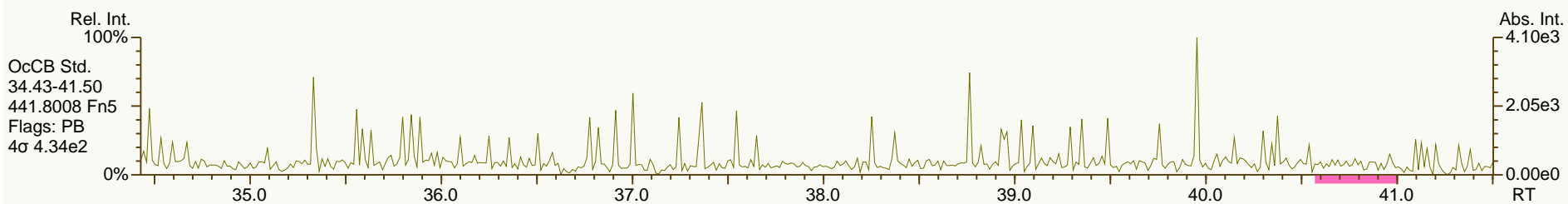
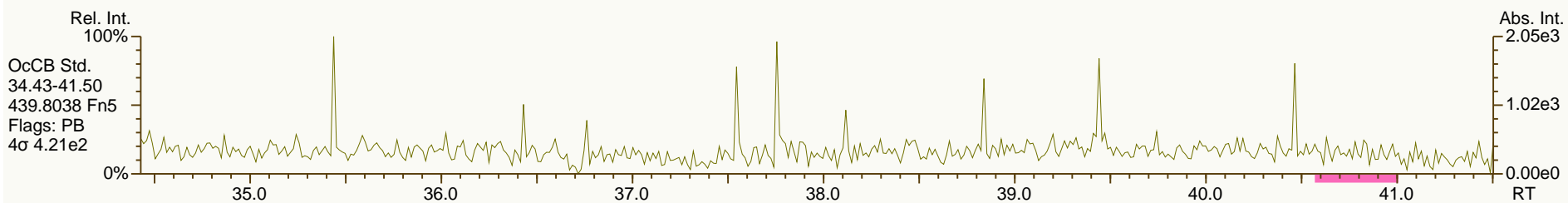
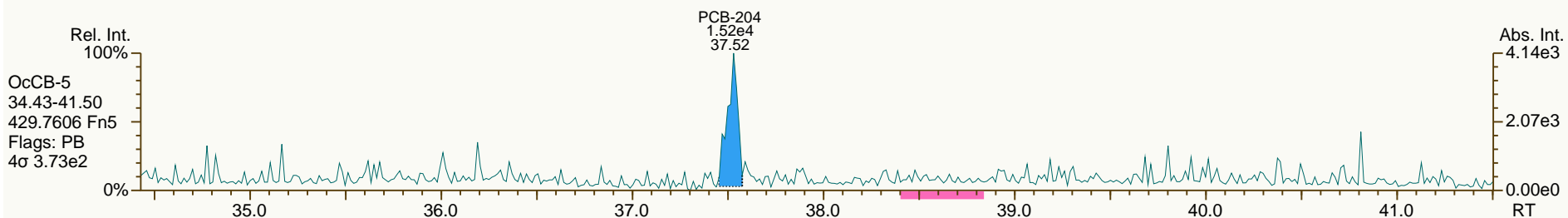
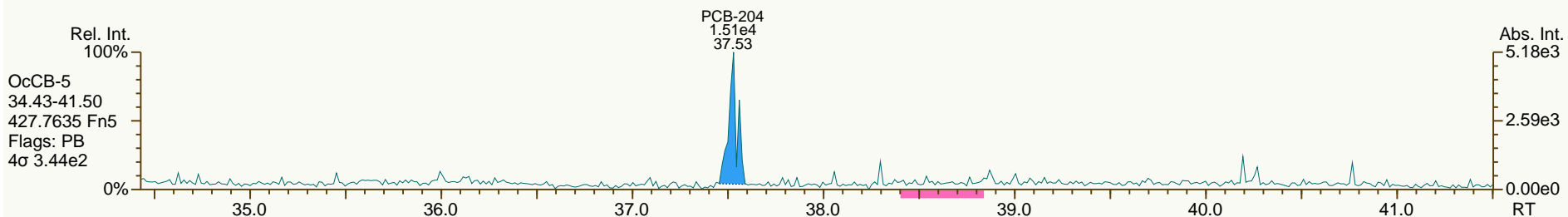
Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

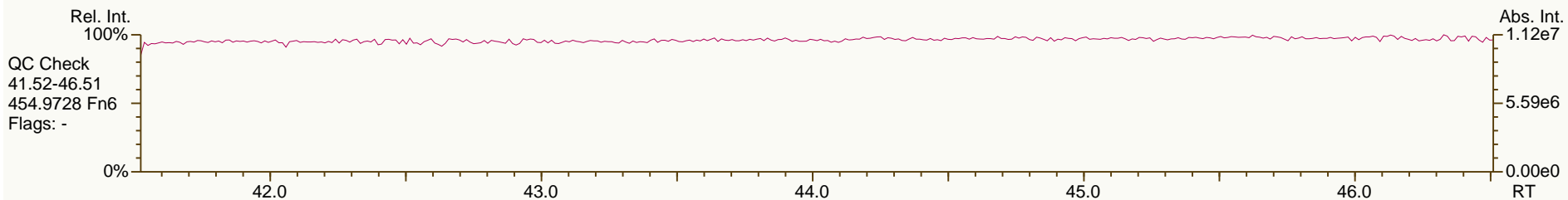
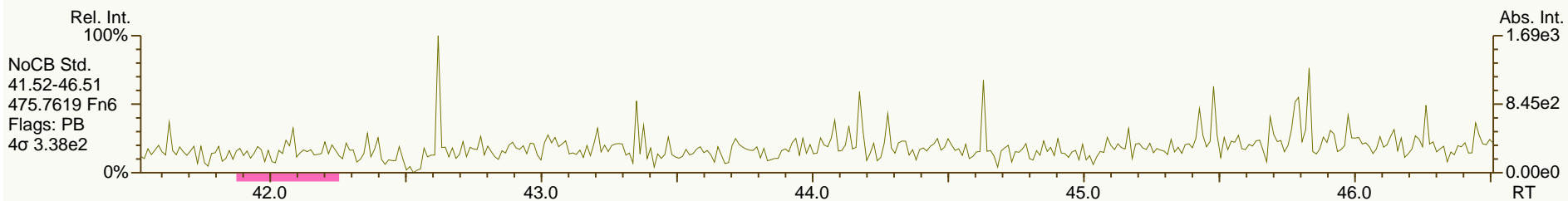
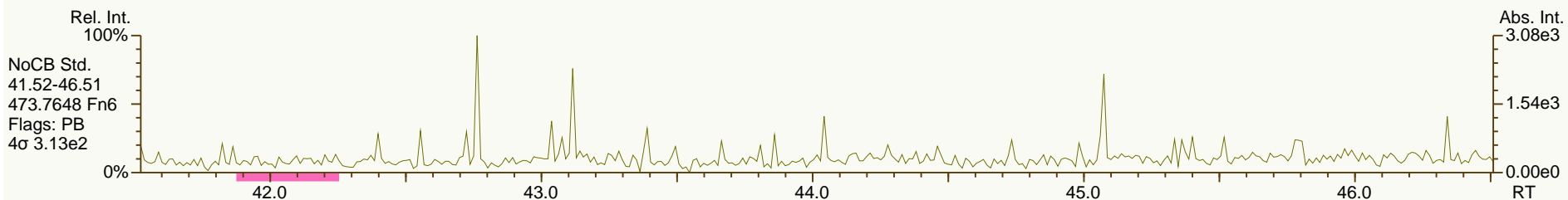
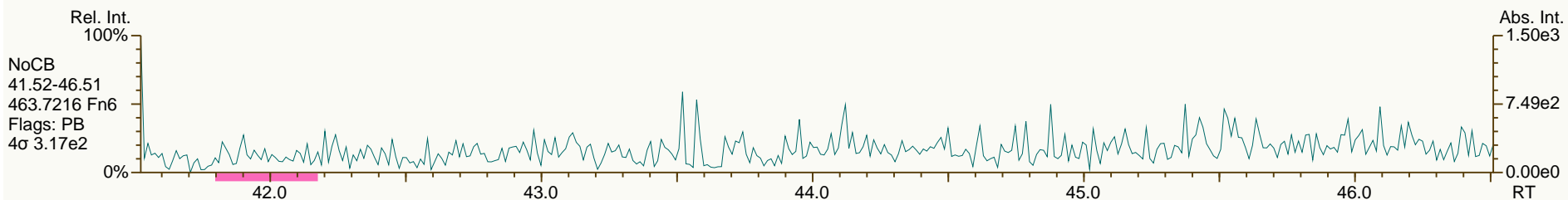
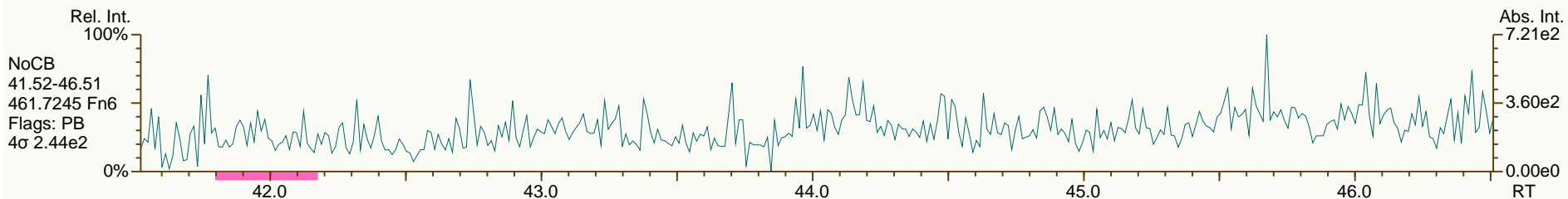
Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

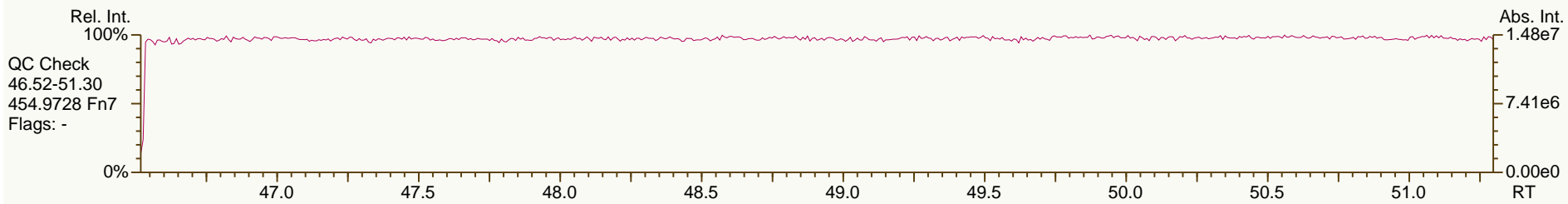
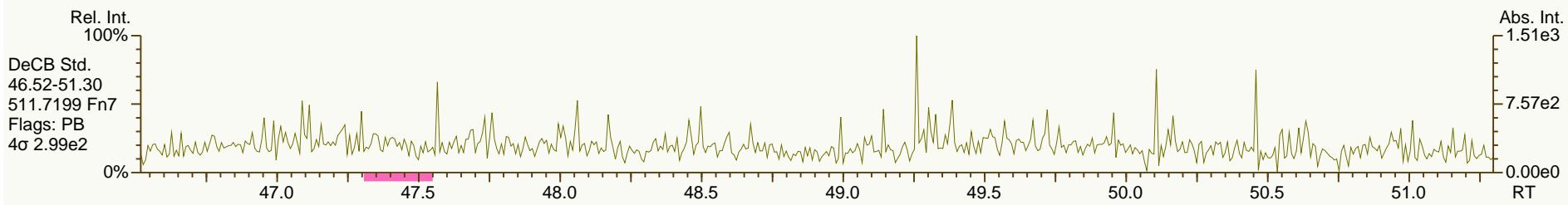
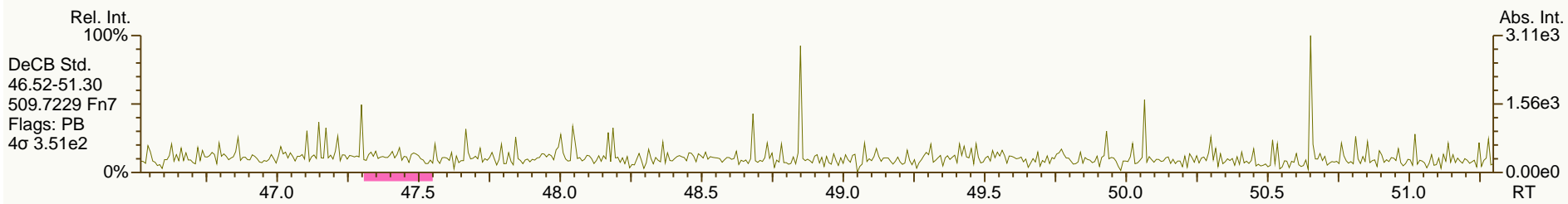
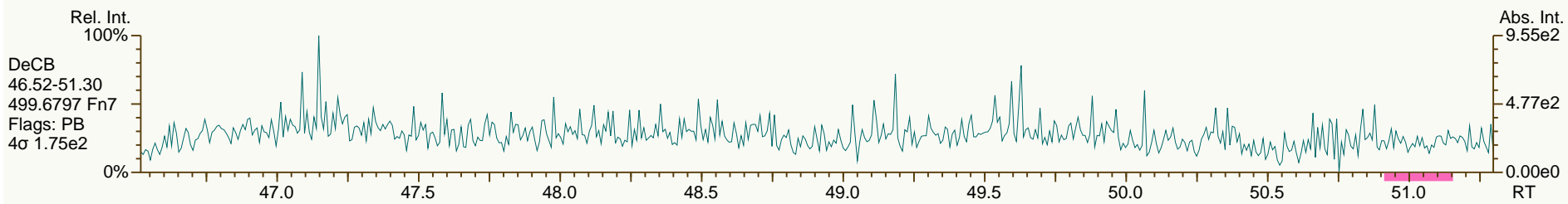
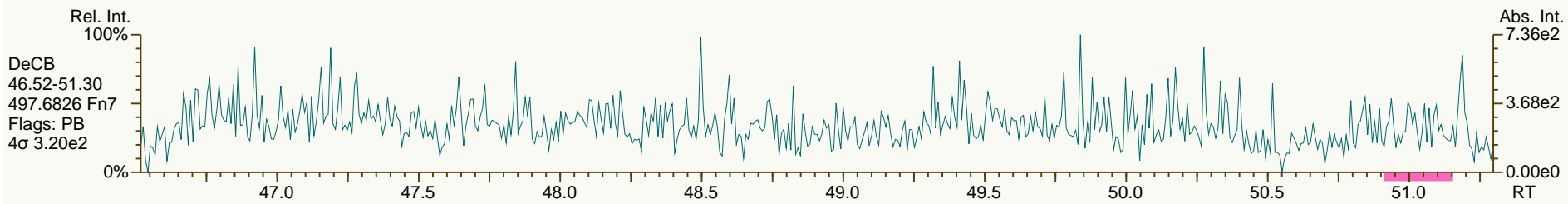
Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

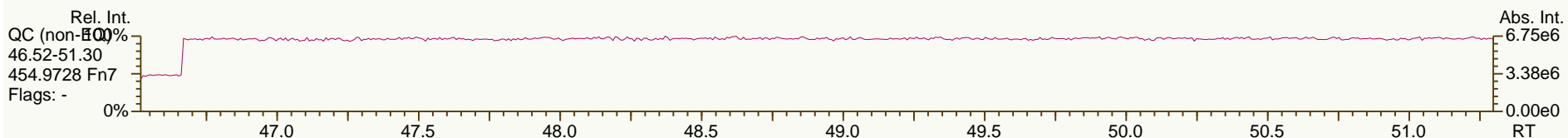
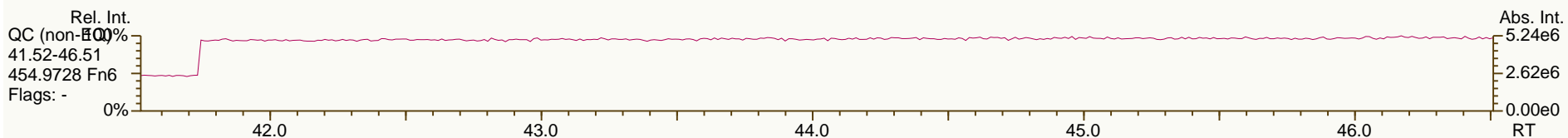
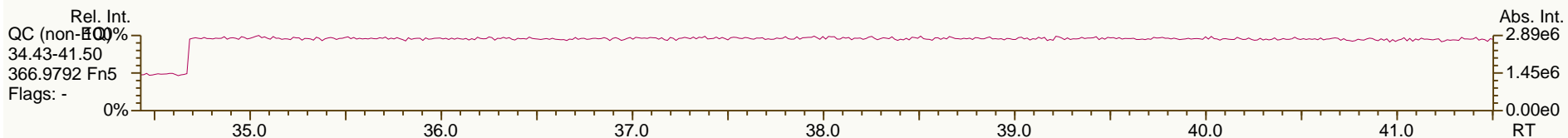
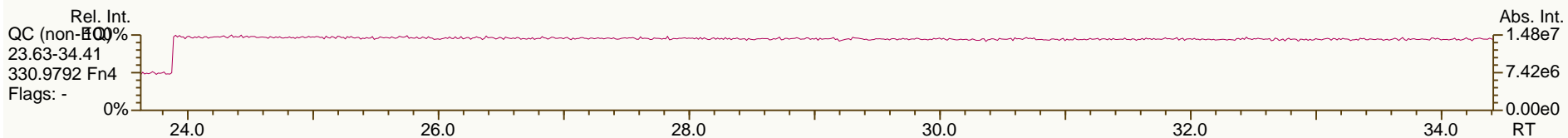
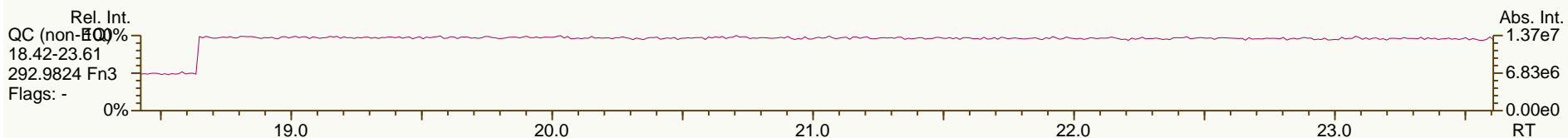
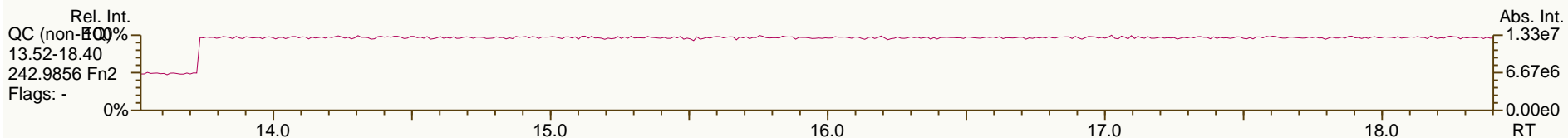
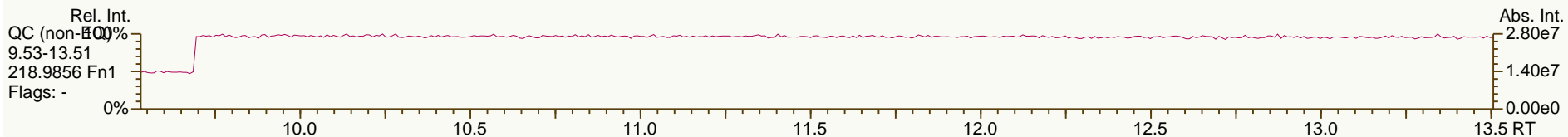
Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

Acq: 29-Jun-2012 15:26:17
 User: LKB Datafile: 120629S08



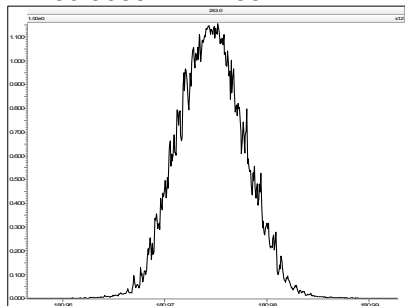
Experiment Calibration Report

MassLynx 4.1

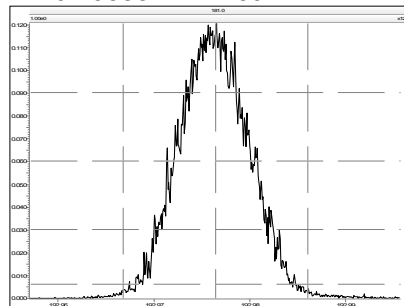
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 1 @ 200 (ppm)

Printed: Friday, June 29, 2012 12:40:11 Eastern Daylight Time

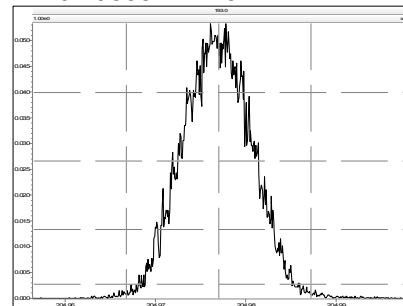
M 180.9888 R 12255



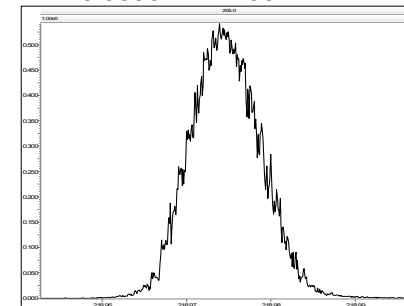
M 192.9888 R 11789



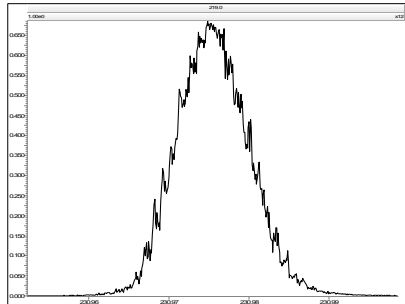
M 204.9888 R 12374



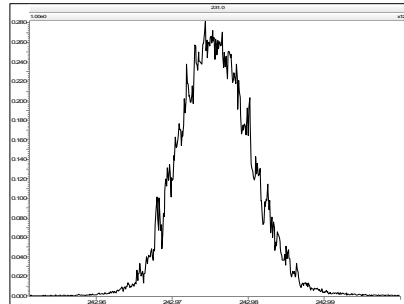
M 218.9856 R 11793



M 230.9856 R 11738



M 242.9856 R 11847



Experiment Calibration Report

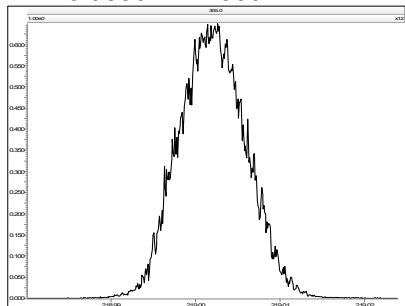
MassLynx 4.1

Page 1 of 1

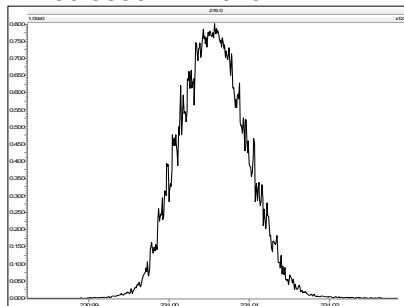
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 2 @ 200 (ppm)

Printed: Friday, June 29, 2012 12:40:35 Eastern Daylight Time

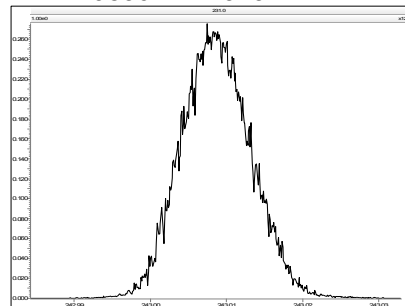
M 218.9856 R 12560



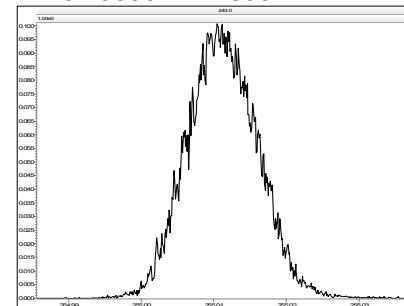
M 230.9856 R 12076



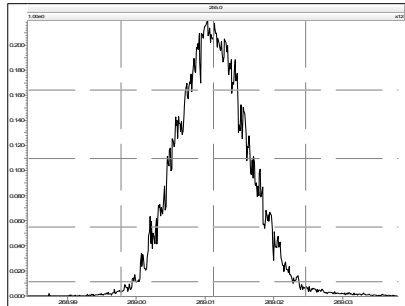
M 242.9856 R 12315



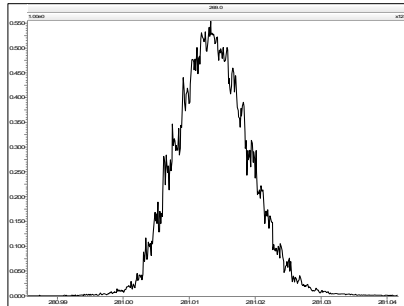
M 254.9856 R 11850



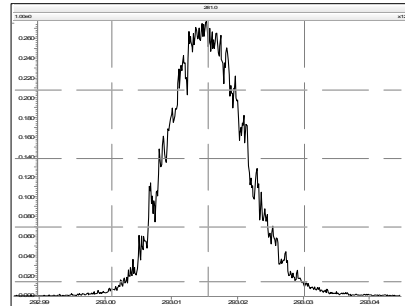
M 268.9824 R 11520



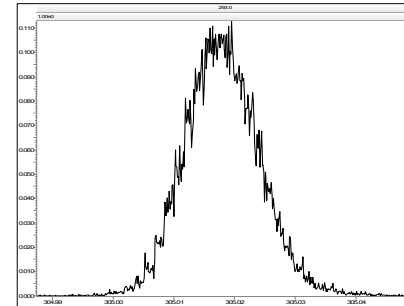
M 280.9824 R 11419



M 292.9824 R 11112



M 304.9824 R 11013



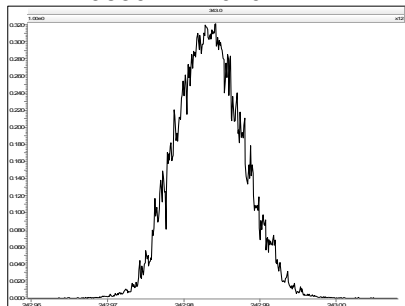
Experiment Calibration Report

MassLynx 4.1

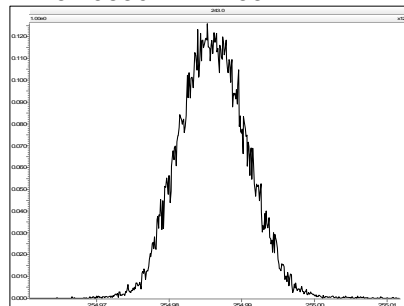
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 3 @ 200 (ppm)

Printed: Friday, June 29, 2012 12:40:58 Eastern Daylight Time

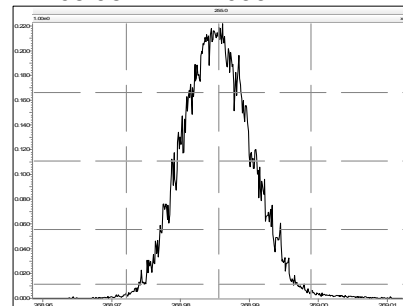
M 242.9856 R 12076



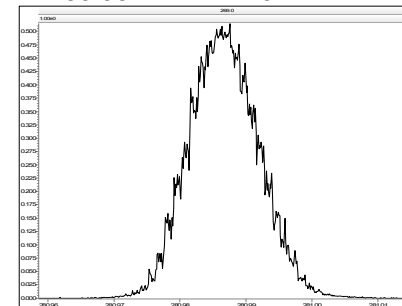
M 254.9856 R 12255



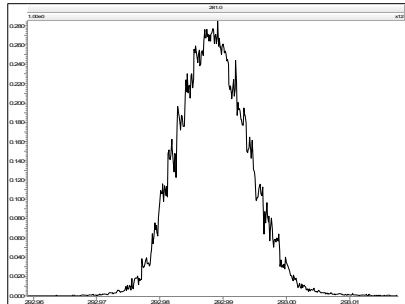
M 268.9824 R 11633



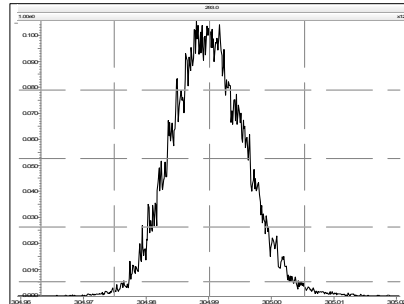
M 280.9824 R 11740



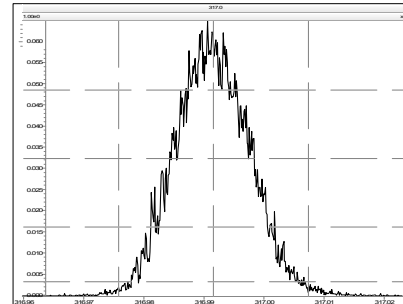
M 292.9824 R 11683



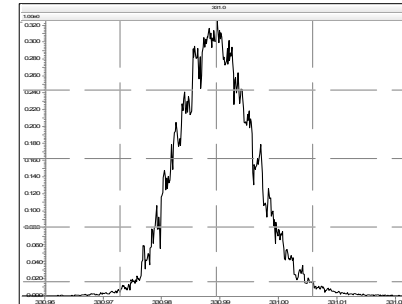
M 304.9824 R 11626



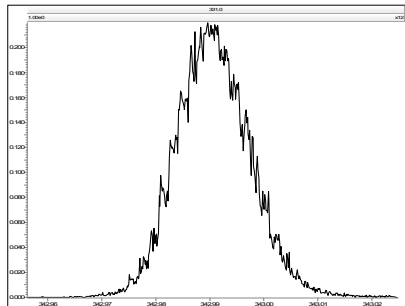
M 316.9824 R 11263



M 330.9792 R 11313



M 342.9792 R 10592



Experiment Calibration Report

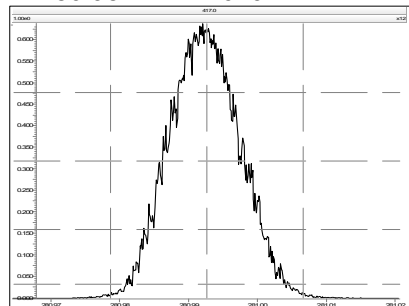
MassLynx 4.1

Page 1 of 1

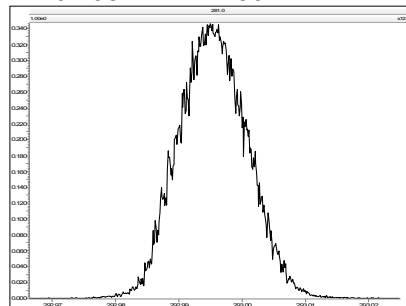
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 4 @ 200 (ppm)

Printed: Friday, June 29, 2012 12:41:28 Eastern Daylight Time

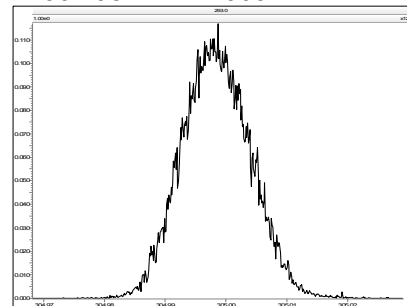
M 280.9824 R 12629



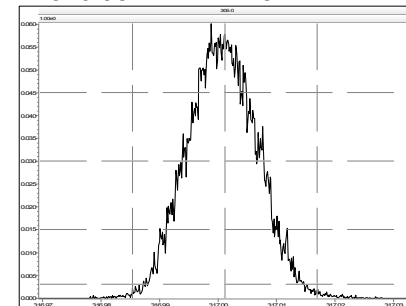
M 292.9824 R 12256



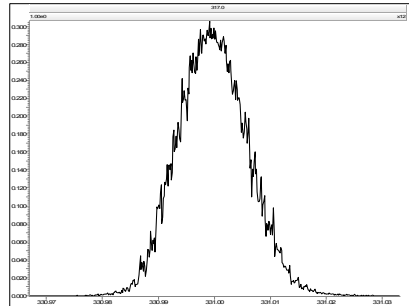
M 304.9824 R 11909



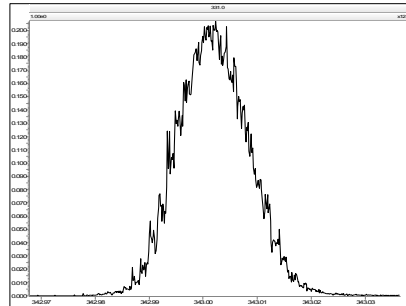
M 316.9824 R 11418



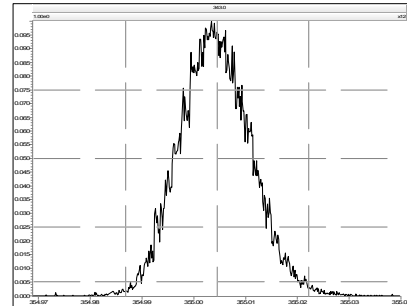
M 330.9792 R 12078



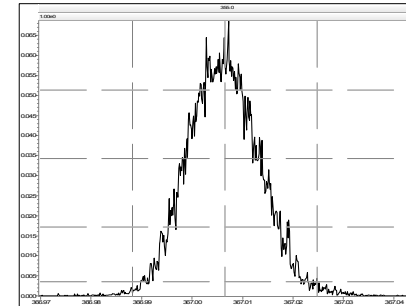
M 342.9792 R 11573



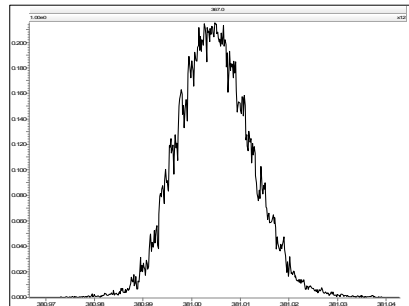
M 354.9792 R 11630



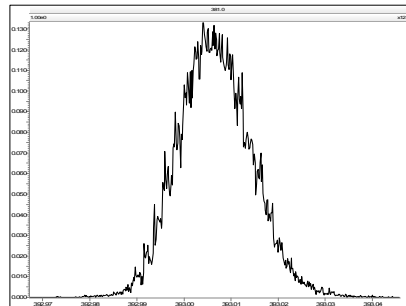
M 366.9792 R 11359



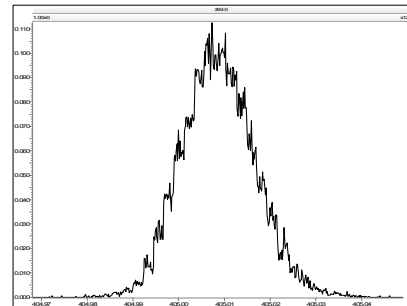
M 380.9760 R 11110



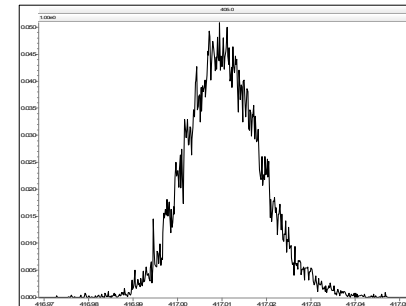
M 392.9760 R 10728



M 404.9760 R 11364



M 416.9760 R 10459



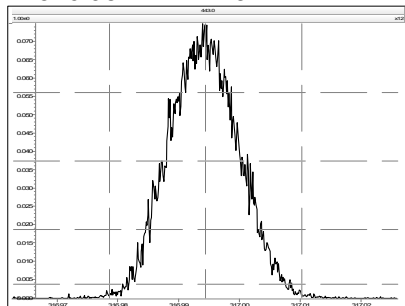
Experiment Calibration Report

MassLynx 4.1

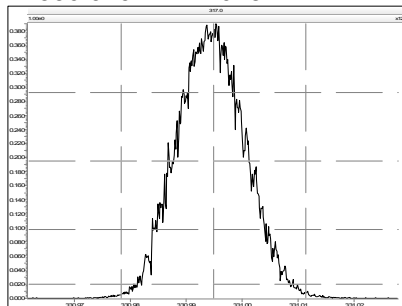
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 5 @ 200 (ppm)

Printed: Friday, June 29, 2012 12:41:57 Eastern Daylight Time

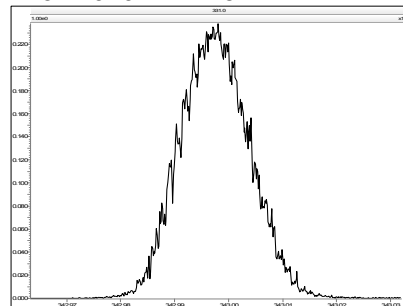
M 316.9824 R 12257



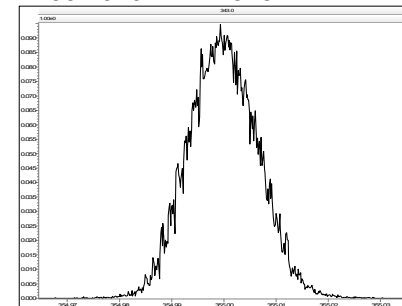
M 330.9792 R 12078



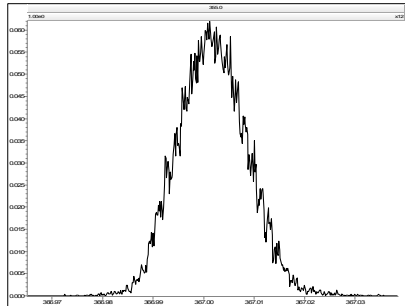
M 342.9792 R 11847



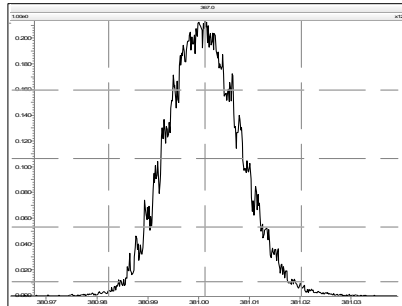
M 354.9792 R 11518



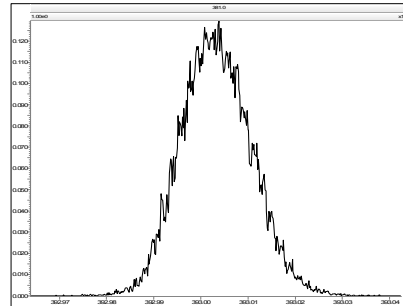
M 366.9792 R 12020



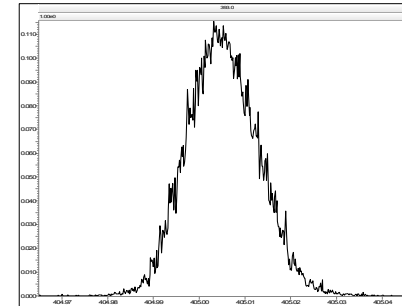
M 380.9760 R 11681



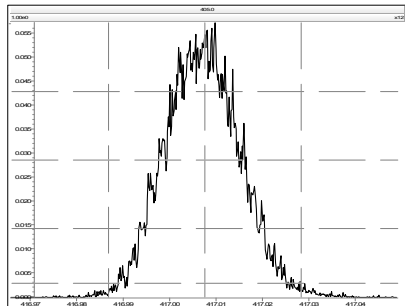
M 392.9760 R 11310



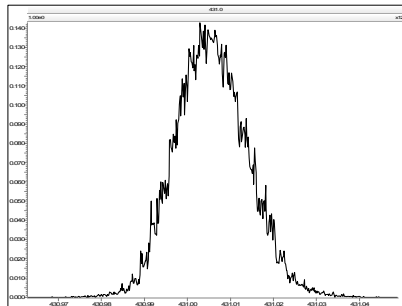
M 404.9760 R 11849



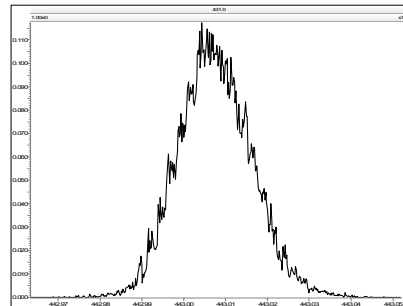
M 416.9760 R 12194



M 430.9728 R 11572



M 442.9728 R 10730



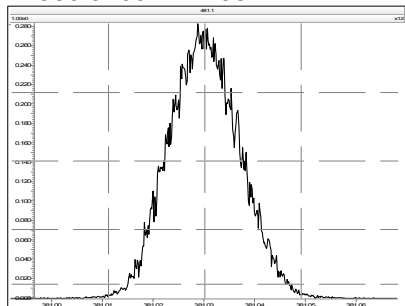
Experiment Calibration Report

MassLynx 4.1

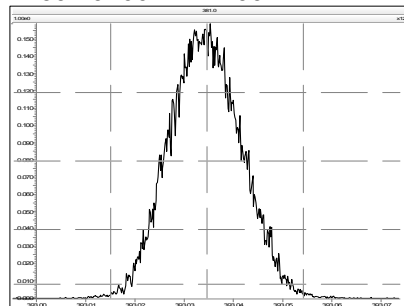
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 6 @ 200 (ppm)

Printed: Friday, June 29, 2012 12:42:22 Eastern Daylight Time

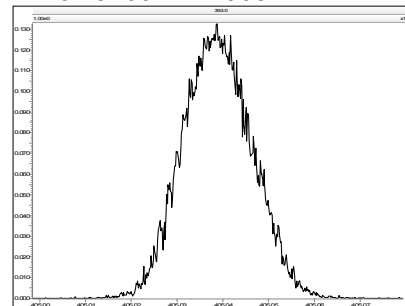
M 380.9760 R 11957



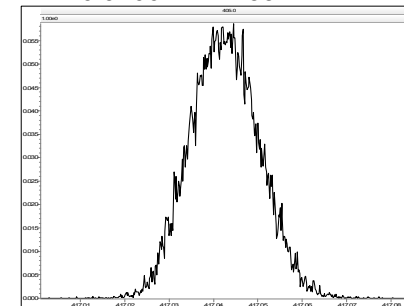
M 392.9760 R 12499



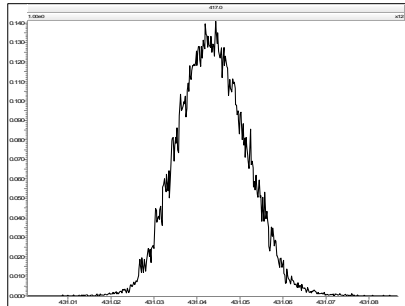
M 404.9760 R 11963



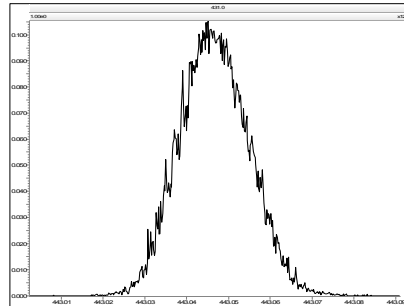
M 416.9760 R 12255



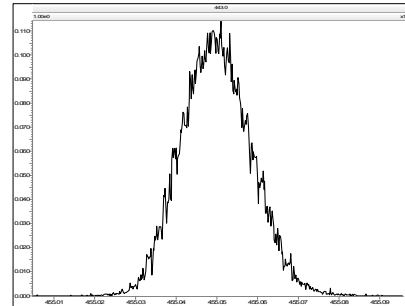
M 430.9728 R 11908



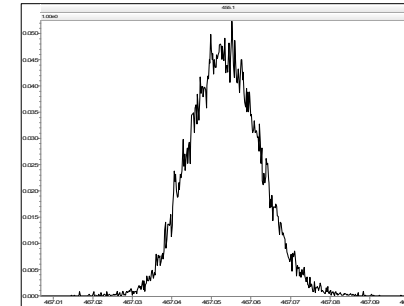
M 442.9728 R 12017



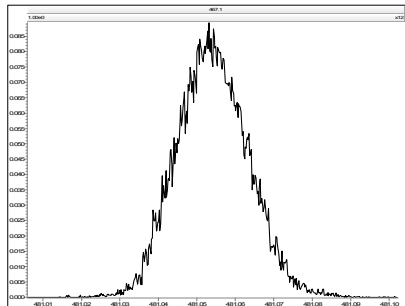
M 454.9728 R 11464



M 466.9728 R 11363



M 480.9696 R 12253



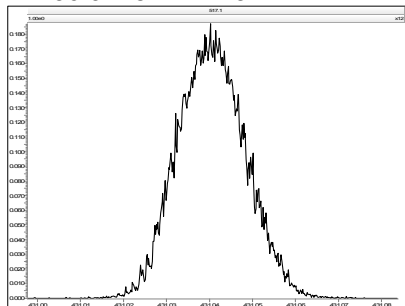
Experiment Calibration Report

MassLynx 4.1

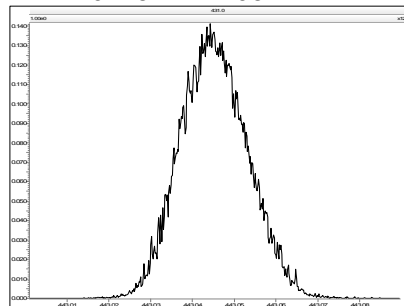
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 7 @ 200 (ppm)

Printed: Friday, June 29, 2012 12:42:44 Eastern Daylight Time

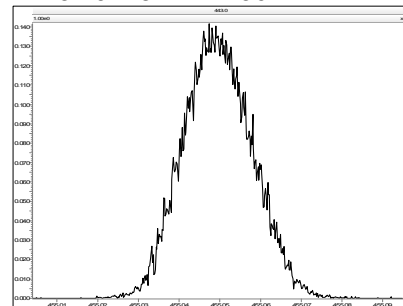
M 430.9728 R 12254



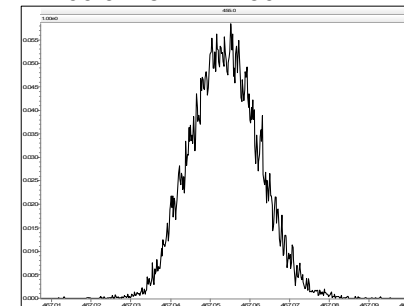
M 442.9728 R 12498



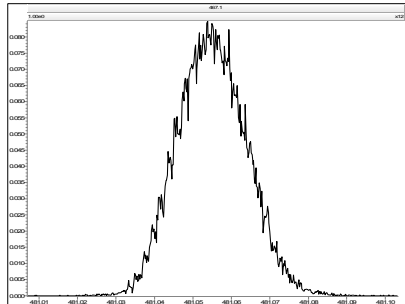
M 454.9728 R 12136



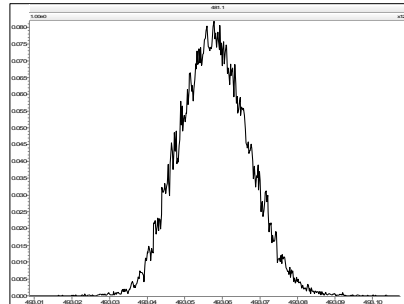
M 466.9728 R 11736



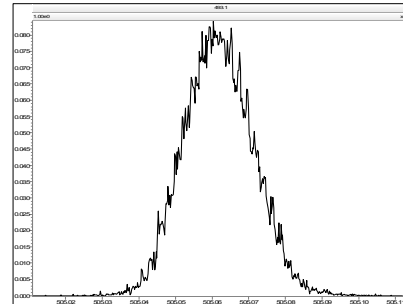
M 480.9696 R 11519



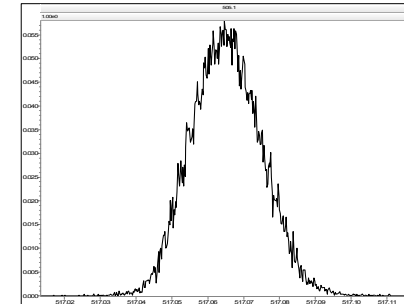
M 492.9696 R 11313



M 504.9696 R 11573



M 516.9697 R 11850



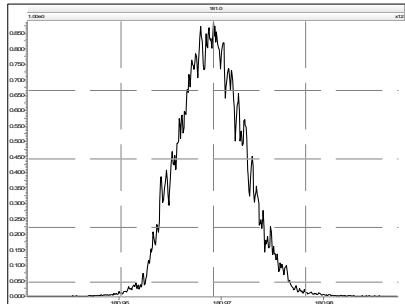
Resolution Check Report

MassLynx 4.1

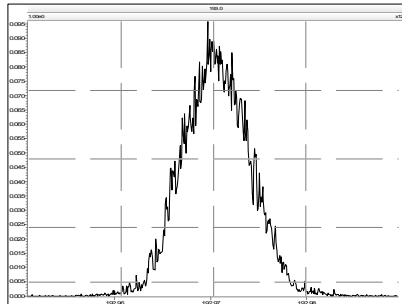
Page 1 of 6

Printed: Friday, June 29, 2012 22:22:21 Eastern Daylight Time

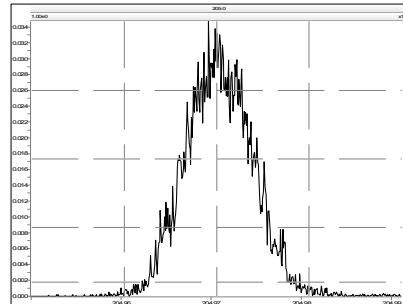
M 180.9888 R 12596



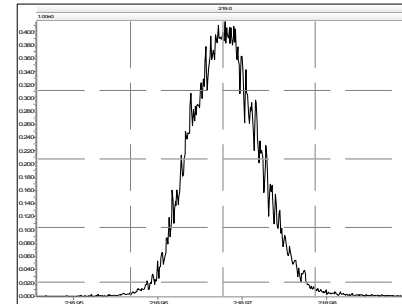
M 192.9888 R 12691



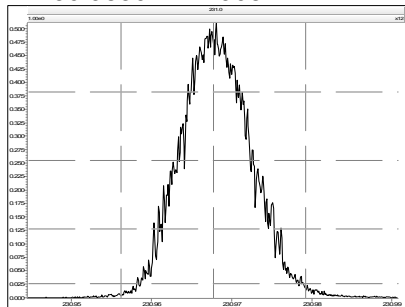
M 204.9888 R 12794



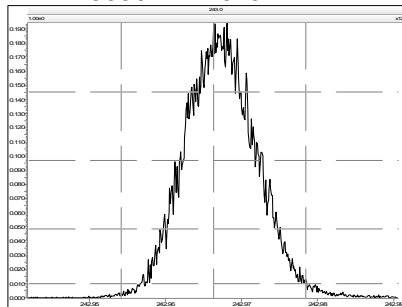
M 218.9856 R 12048



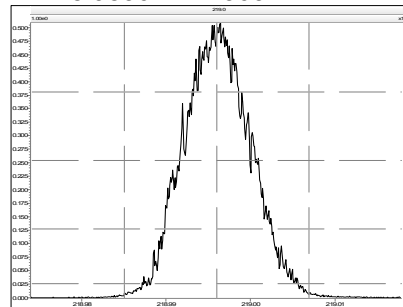
M 230.9856 R 11968



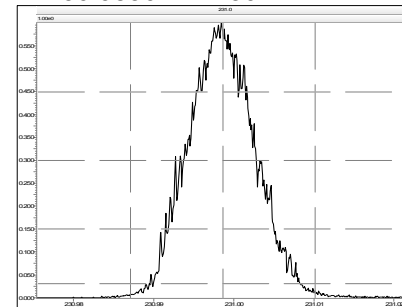
M 242.9856 R 11629



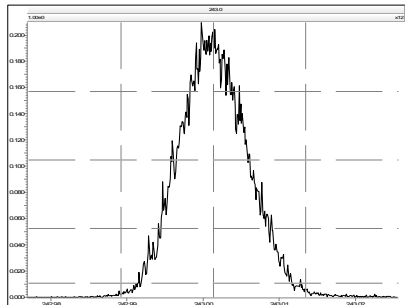
M 218.9856 R 12563



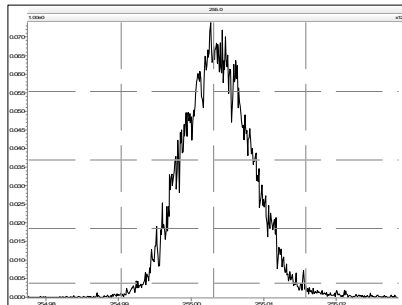
M 230.9856 R 12562



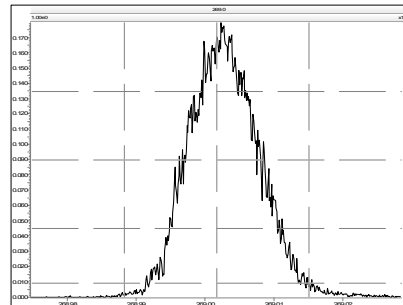
M 242.9856 R 12136



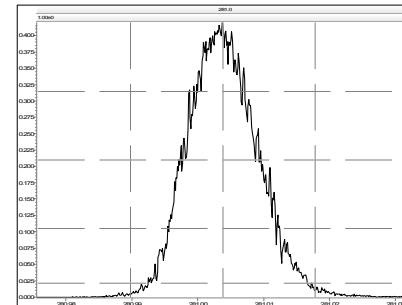
M 254.9856 R 12408



M 268.9824 R 11834



M 280.9824 R 11628

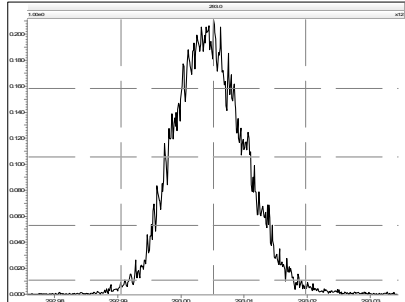


Resolution Check Report

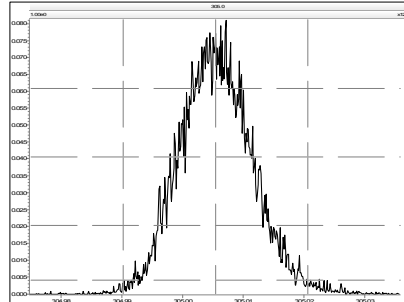
MassLynx 4.1

Printed: Friday, June 29, 2012 22:22:21 Eastern Daylight Time

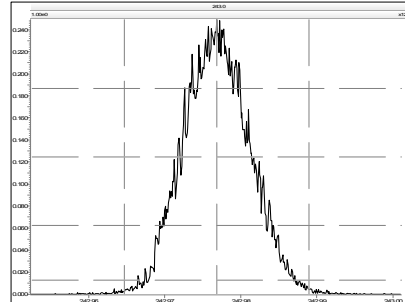
M 292.9824 R 12023



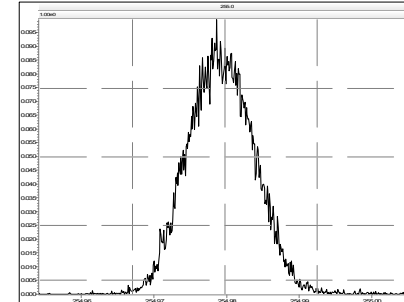
M 304.9824 R 11662



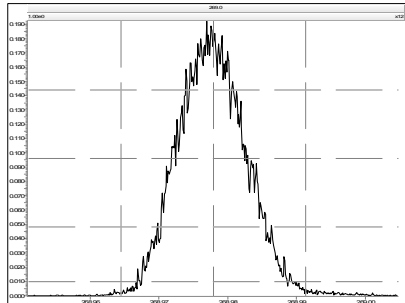
M 242.9856 R 12658



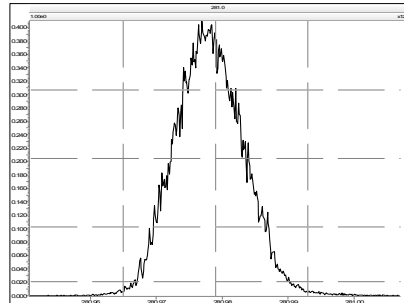
M 254.9856 R 12570



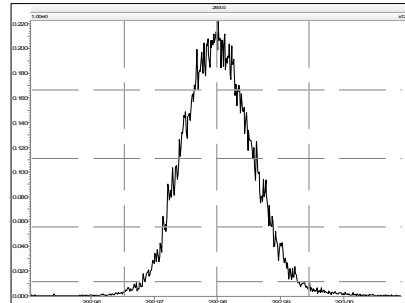
M 268.9824 R 12297



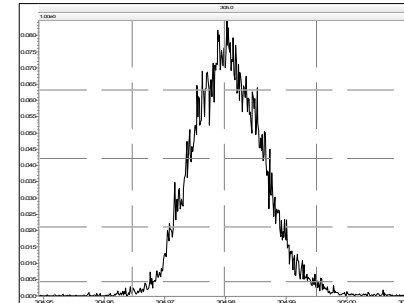
M 280.9824 R 12194



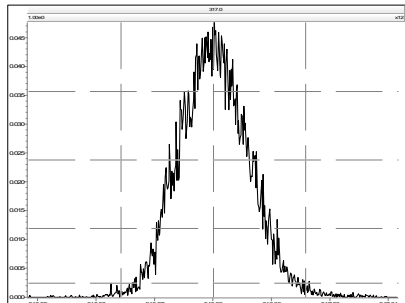
M 292.9824 R 11876



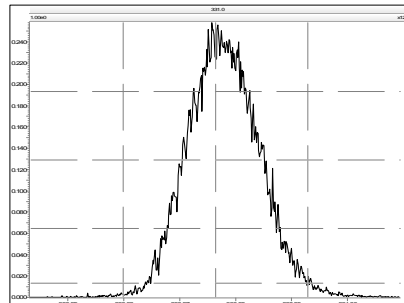
M 304.9824 R 11654



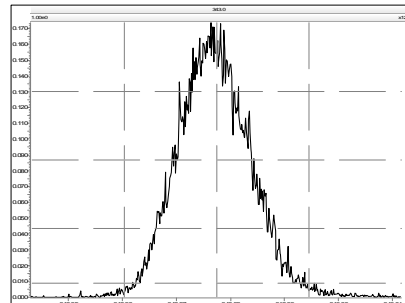
M 316.9824 R 12021



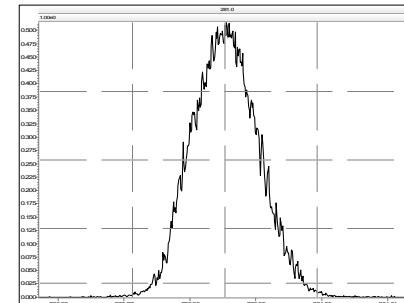
M 330.9792 R 11746



M 342.9792 R 11235



M 280.9824 R 12377



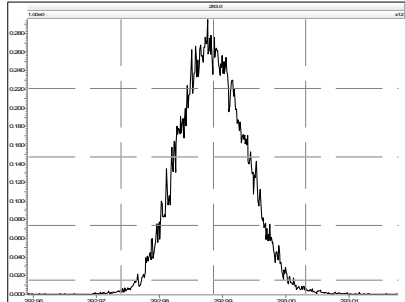
Resolution Check Report

MassLynx 4.1

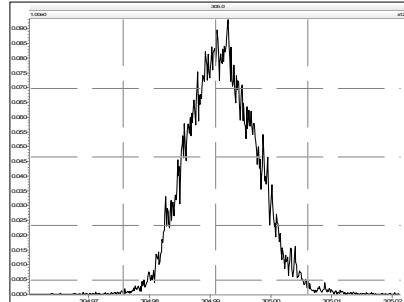
Page 3 of 6

Printed: Friday, June 29, 2012 22:22:21 Eastern Daylight Time

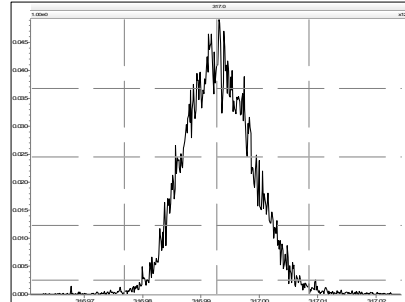
M 292.9824 R 12470



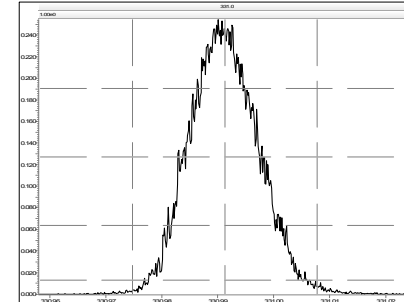
M 304.9824 R 12230



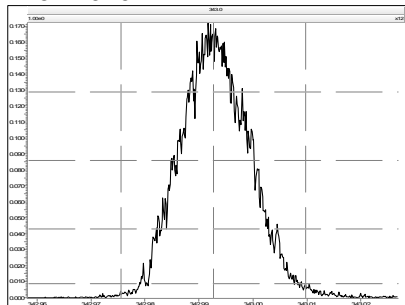
M 316.9824 R 12759



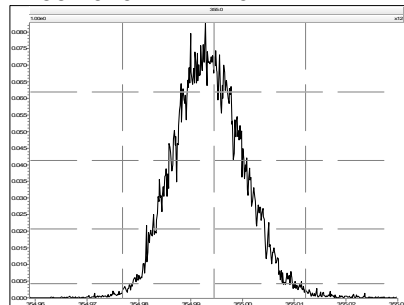
M 330.9792 R 11971



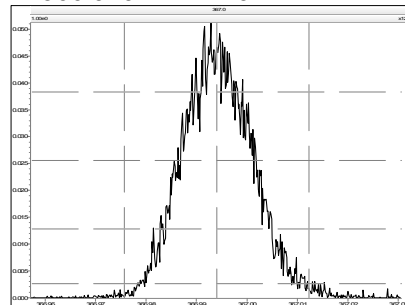
M 342.9792 R 11711



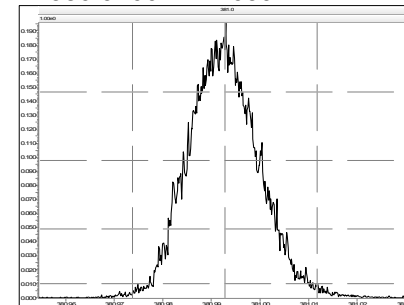
M 354.9792 R 11261



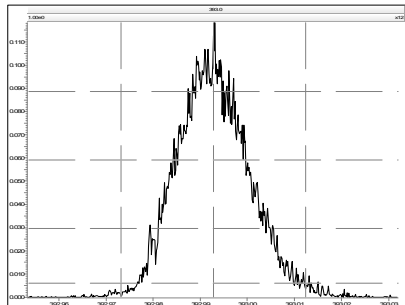
M 366.9792 R 12194



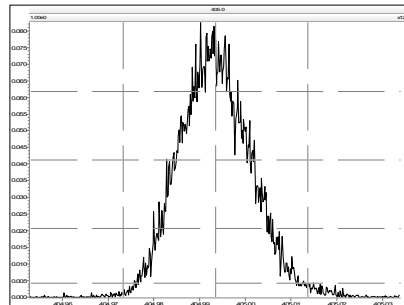
M 380.9760 R 11659



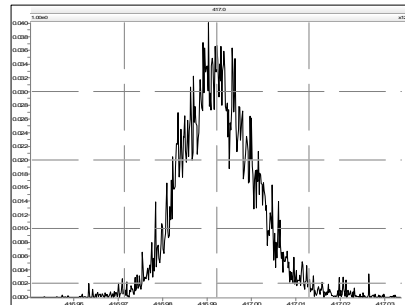
M 392.9760 R 11261



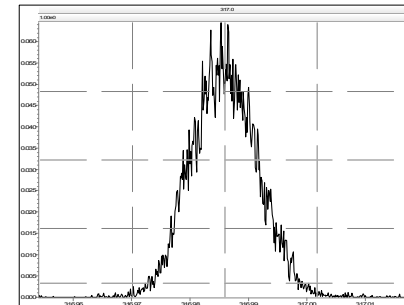
M 404.9760 R 11574



M 416.9760 R 11337



M 316.9824 R 12886



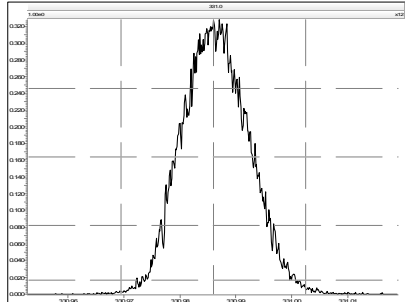
Resolution Check Report

MassLynx 4.1

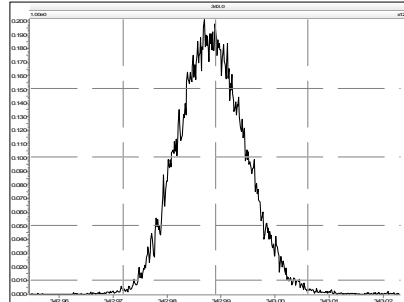
Page 4 of 6

Printed: Friday, June 29, 2012 22:22:21 Eastern Daylight Time

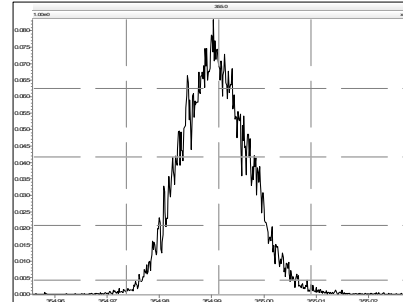
M 330.9792 R 12440



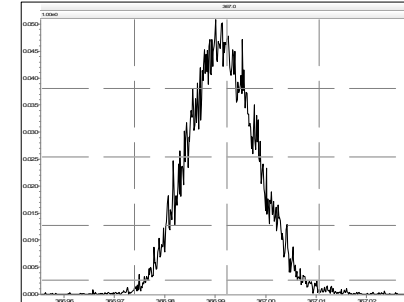
M 342.9792 R 12019



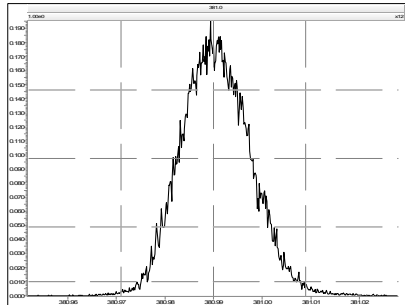
M 354.9792 R 12378



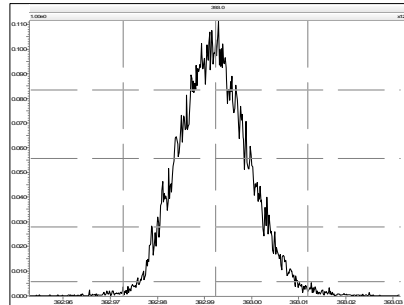
M 366.9792 R 12138



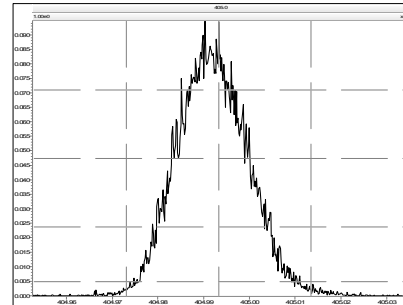
M 380.9760 R 11628



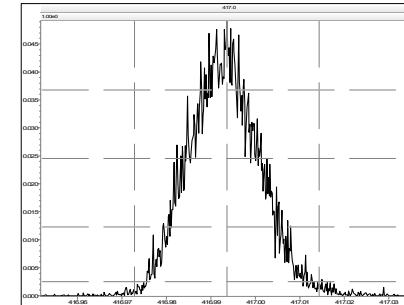
M 392.9760 R 11767



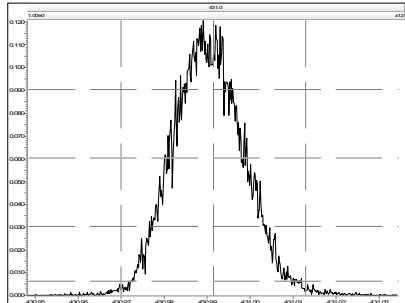
M 404.9760 R 12032



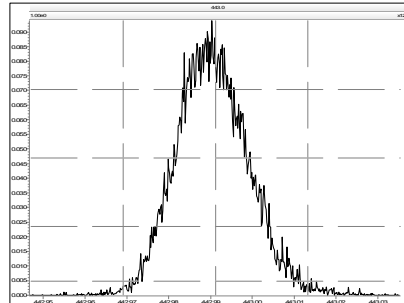
M 416.9760 R 11934



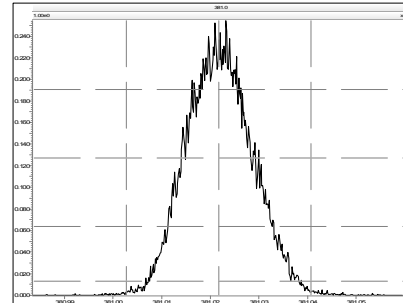
M 430.9728 R 11574



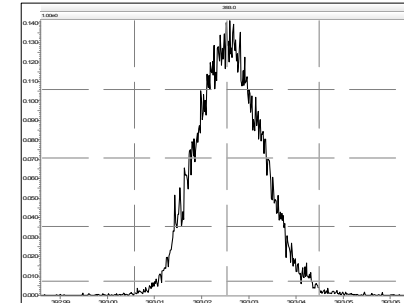
M 442.9728 R 11524



M 380.9760 R 12255



M 392.9760 R 12544



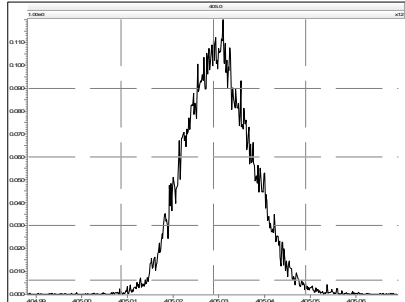
Resolution Check Report

MassLynx 4.1

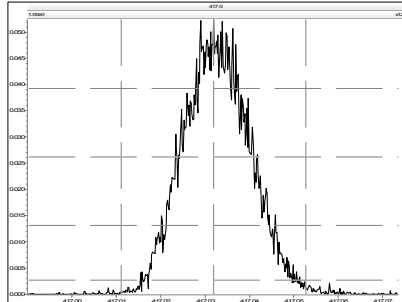
Page 5 of 6

Printed: Friday, June 29, 2012 22:22:21 Eastern Daylight Time

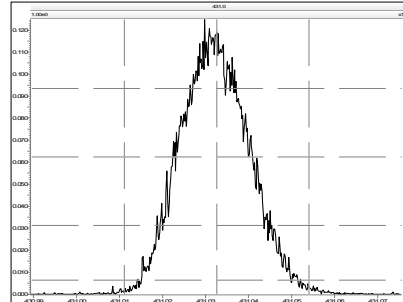
M 404.9760 R 12794



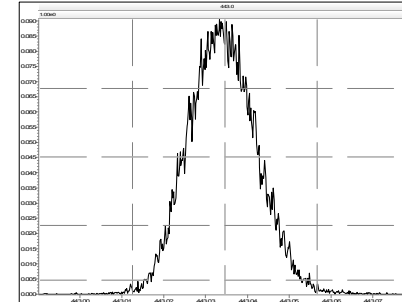
M 416.9760 R 12661



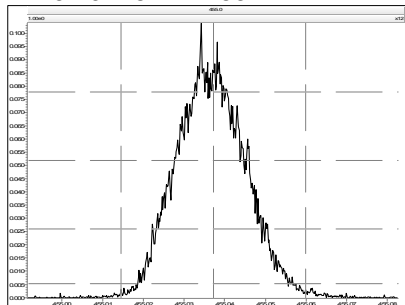
M 430.9728 R 12167



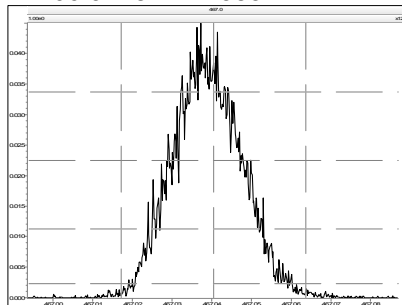
M 442.9728 R 12345



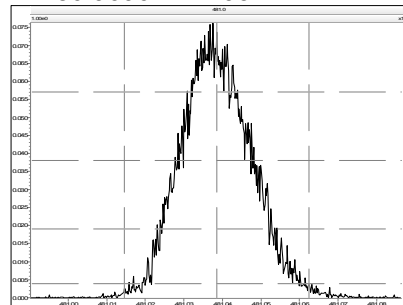
M 454.9728 R 11852



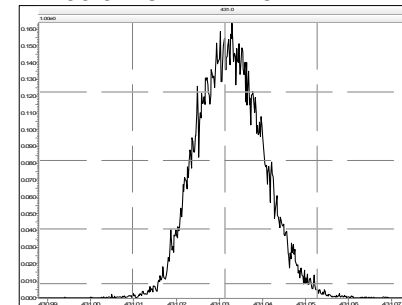
M 466.9728 R 12383



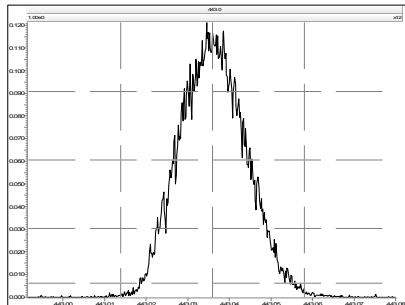
M 480.9696 R 11934



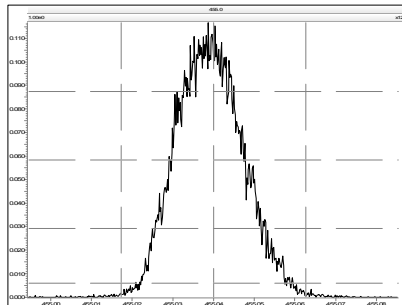
M 430.9728 R 12228



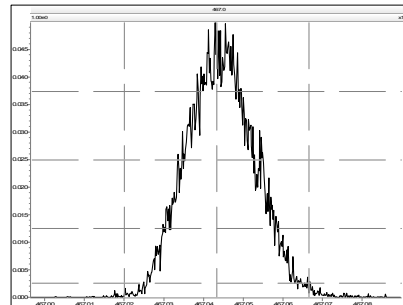
M 442.9728 R 11820



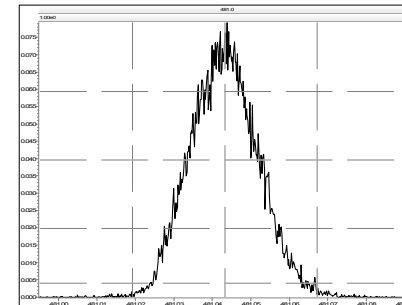
M 454.9728 R 12481



M 466.9728 R 12254



M 480.9696 R 12001



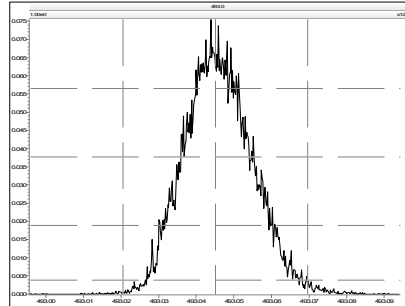
Resolution Check Report

MassLynx 4.1

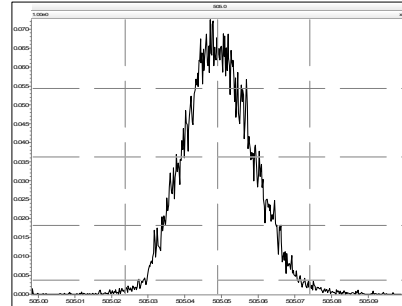
Page 6 of 6

Printed: Friday, June 29, 2012 22:22:21 Eastern Daylight Time

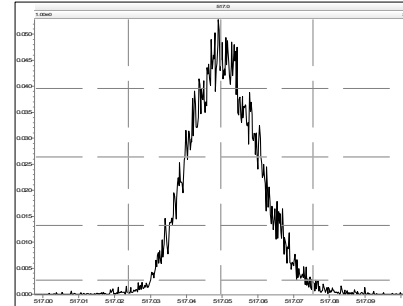
M 492.9696 R 12077



M 504.9696 R 12019



M 516.9697 R 12170



PCB ICAL Summary			Analytical Perspectives						Printed: 30 Jan 2012 11:35	
ICAL: MM4_PCB_01102012_26JAN12			120126S03	120126S03	120126S04	120126S05	120126S06	120126S07		
Acquired: 26 Jan 2012			0.5	1	5	50	400	2000		
Date Processed: 30 Jan 2012 11:15			CS0	CS1	CS2	CS3	CS4	CS5		
Name	Mean	% RSD	CS0	CS1	CS2	CS3	CS4	CS5		
PCB-77 33'44'-TeCB	1.22	4.2%	1.16	1.21	1.20	1.23	1.27 ✓	1.29		✓
PCB-81 344'5'-TeCB	1.24	4.9%	1.15	1.23	1.20	1.29	1.29	1.31		✓
PCB-105 233'44'-PeCB	1.03	6.2%	0.94	1.01	0.97	1.09	1.08	1.07		
PCB-114 2344'5'-PeCB	1.10	5.5%	1.05	1.01	1.07	1.16	1.14	1.15		
PCB-118 23'44'5'-PeCB	1.03	6.8%	0.97	0.99	0.95	1.09	1.11	1.09		
PCB-123 2'344'5'-PeCB	0.93	7.4%	0.85	0.85	0.90	0.98	0.99	0.99		
PCB-126 33'44'5'-PeCB	1.11	4.0%	1.13	1.04	1.09 ✓	1.11	1.12	1.18		
PCB-156/157 233'44'5'/233'44'5'	1.05	6.1%	0.99	1.02	0.97	1.06	1.11	1.13		
PCB-167 23'44'55'-HxCB	1.08	6.4%	1.01	1.01 ✓	1.06	1.10	1.15	1.16		
PCB-169 33'44'55'-HxCB	1.04	4.7%	1.00 ✓	0.99 ✓	1.01	1.09	1.08	1.10		
PCB-189 233'44'55'-HpCB	1.11	6.1%	1.10 ✓	1.00	1.07	1.14 ✓	1.18	1.17		
PCB-209 DeCB	1.05	4.9%	1.12	1.00	0.99	1.04 ✓	1.07	1.08		
ES PCB-1	1.01	0.6%	1.01	1.01	1.02	1.00	1.02	1.02		
ES PCB-3	1.05	1.5%	1.05	1.04	1.04	1.04	1.06	1.08		
ES PCB-4	0.70	1.0%	0.70	0.70	0.69	0.69	0.71	0.70		
ES PCB-15	1.17	3.4%	1.19	1.17	1.10	1.16	1.19	1.22		
ES PCB-19	0.57	1.6%	0.57	0.57	0.55	0.57	0.58	0.56		
ES PCB-37	1.41	4.0%	1.42	1.44	1.32	1.39	1.41	1.49		✓
ES PCB-54	1.32	2.8%	1.28	1.31	1.35	1.30	1.31	1.38		✓
ES PCB-77	1.22	5.9%	1.25	1.31	1.09	1.20	1.22 ✓	1.23		
ES PCB-81	1.15	5.6%	1.19	1.21	1.04	1.12	1.16	1.19		
ES PCB-104	1.69	3.6%	1.67	1.68	1.80	1.66	1.63 ✓	1.68		
ES PCB-105	1.21	3.3%	1.25	1.25	1.16	1.17 ✓	1.19	1.21		
ES PCB-114	1.23	3.4%	1.29	1.28	1.19	1.19	1.23	1.22		
ES PCB-118	1.25	3.9%	1.30	1.31	1.21	1.20	1.23	1.22		
ES PCB-123	1.33	2.8%	1.37	1.37	1.28	1.31	1.31	1.32		
ES PCB-126	1.36	4.3%	1.40	1.44	1.28 ✓	1.34	1.34	1.35		
ES PCB-153	1.09	1.0%	1.09	1.08	1.08 ✓	1.09	1.07	1.10		
ES PCB-155	1.40	3.0%	1.36	1.37	1.48	1.41	1.40	1.41		
ES PCB-156/157	1.13	1.0%	1.14	1.13	1.13	1.12	1.13	1.15		
ES PCB-167	1.13	1.2%	1.14	1.14 ✓	1.12	1.11	1.12	1.14		
ES PCB-169	1.14	2.9%	1.17	1.15 ✓	1.10	1.10	1.14	1.18		
ES PCB-170	1.23	1.5%	1.23	1.25	1.21	1.21	1.23	1.26		
ES PCB-180	1.46	1.4%	1.45	1.47	1.46	1.46	1.46	1.50		
ES PCB-188	1.34	1.6%	1.35	1.32	1.35	1.37	1.34	1.31		
ES PCB-189	1.77	2.8%	1.77	1.81	1.75	1.72	1.71	1.84		
ES PCB-202	1.27	0.5%	1.28	1.27	1.27	1.28	1.27	1.27		
ES PCB-205	1.25	2.1%	1.24 ✓	1.27	1.22	1.23	1.24	1.29		
ES PCB-206	1.07	1.4%	1.06 ✓	1.06	1.06	1.06	1.07	1.10		

REVIEWED
By cwood at 2:15 pm, Jan 30, 2012

Reviewed by
JK 15-Feb-2012

APPROVED
By Bryan Vining at 1:56 pm, Feb 15, 2012

PCB ICAL Summary			Analytical Perspectives						Printed: 30 Jan 2012 11:35	
ICAL: MM4_PCB_01102012_26JAN12										
Acquired: 26 Jan 2012										
			120126S03	120126S03	120126S04	120126S05	120126S06	120126S07		
			0.5	1	5	50	400	2000		
Name	Mean	% RSD	CS0	CS1	CS2	CS3	CS4	CS5		
ES PCB-208	1.34	1.3%	1.32	1.35	1.34	1.33	1.33	1.37		
ES PCB-209	1.18	1.3%	1.18	1.21	1.17	1.17	1.18	1.20		
SS PCB-28	0.98	2.9%	0.97	0.95	1.03	0.98	0.98	0.99		
SS PCB-111	0.90	2.3%	0.89	0.88	0.92	0.93	0.88	0.89		
SS PCB-178	0.65	2.0%	0.64	0.66	0.65	0.65	0.63	0.66		
CS PCB-28	1.39	2.9%	1.38	1.37	1.36	1.36	1.38	1.47		
CS PCB-111	1.19	2.3%	1.22	1.21	1.18	1.21	1.15	1.18		
CS PCB-178	0.87	1.8%	0.86	0.88	0.87	0.89	0.84	0.87		
PCB-1 2-MoCB	1.20	2.5%	1.19	1.19	1.15	1.20	1.22	1.24		
PCB-3 4-MoCB	1.13	2.5%	1.11	1.10	1.11	1.13	1.16	1.17		
PCB-4 22'-DiCB	0.94	4.9%	0.94	0.86	0.94	0.98	0.95	0.99		
PCB-15 44'-DiCB	1.01	4.1%	0.98	0.94	1.02	1.02	1.04	1.04		
PCB-19 22'6'-TrCB	1.01	3.6%	0.96	1.02	0.98	1.01	1.04	1.06		
PCB-37 344'-TrCB	1.20	3.6%	1.16	1.16	1.17	1.20	1.24	1.26		
PCB-54 22'66'-TeCB	0.93	4.1%	0.88	0.90	0.93	0.94	0.97	0.98		
PCB-104 22'466'-PeCB	0.92	4.5%	0.91	0.87	0.87	0.92	0.97	0.96		
PCB-153 22'44'55' -HxCB	1.15	4.0%	1.11	1.13	1.09	1.16	1.20	1.19		
PCB-155 22'44'66'-HxCB	1.06	3.9%	1.04	1.00	1.03	1.08	1.07	1.11		
PCB-170 22'33'44'5'-HpCB	1.00	6.3%	0.91	0.97	0.96	1.02	1.05	1.08		
PCB-180 22'344'55'-HpCB	1.01	5.1%	0.97	0.95	0.98	1.04	1.07	1.06		
PCB-188 22'34'566'-HpCB	1.07	3.7%	1.04	1.01	1.06	1.07	1.09	1.13		
PCB-202 22'33'55'66'-OcCB	0.83	5.1%	0.86	0.75	0.80	0.83	0.86	0.85		
PCB-205 233'44'55'6'-OcCB	1.09	3.5%	1.06	1.08	1.04	1.09	1.13	1.15		
PCB-208 22'33'455'66'-NoCB	0.98	4.2%	0.95	0.96	0.92	0.98	1.02	1.03		
PCB-206 22'33'44'55'6'-NoCB	0.93	4.1%	0.89	0.90	0.91	0.95	0.98	0.97		

1668A/B ICALs				MM4_PCB_01102012_26JAN1				PD from	
Ax	RSD	Mean	sd	MM4_PCB_07192011_28SEP11	2	RSD	Mean	sd	Mean
77	7.6	1.04	0.08	1.20	1.22	1.3	1.21	0.02	0.9%
81	9.8	1.09	0.11	1.08	1.24	9.5	1.16	0.11	6.7%
105	8.6	0.98	0.08	0.89	1.03	10.1	0.96	0.10	7.2%
114	8.5	0.97	0.08	0.94	1.1	10.8	1.02	0.11	7.6%
118	7.2	0.98	0.07	0.88	1.03	10.8	0.96	0.10	7.7%
123	6.4	0.97	0.06	1.00	0.93	5.1	0.96	0.05	-3.6%
126	8.2	0.98	0.08	0.96	1.11	10.0	1.04	0.10	7.1%
156/157	4.6	0.97	0.05	1.05	1.05	0.3	1.05	0.00	-0.2%
167	5.2	0.96	0.05	1.11	1.08	1.7	1.09	0.02	-1.2%
169	4.6	0.93	0.04	1.06	1.04	1.5	1.05	0.02	-1.1%
189	9.8	0.93	0.09	1.19	1.11	5.0	1.15	0.06	-3.5%
1	10.9	1.18	0.13	1.18	1.2	1.2	1.19	0.01	0.9%
3	9.5	1.18	0.11	1.13	1.13	0.1	1.13	0.00	0.0%
4	10.4	0.97	0.10	0.89	0.94	4.1	0.91	0.04	2.9%
15	7.2	0.99	0.07	1.08	1.01	4.8	1.05	0.05	-3.4%
19	5.3	1.04	0.06	0.95	1.01	4.3	0.98	0.04	3.0%
37	8.1	1.05	0.08	1.18	1.2	1.4	1.19	0.02	1.0%
54	9.1	1.02	0.09	0.88	0.93	3.8	0.91	0.03	2.7%
104	9.0	1.00	0.09	0.87	0.92	4.2	0.89	0.04	3.0%
153									
155	5.1	1.02	0.05	1.00	1.06	4.5	1.03	0.05	3.2%
170									
180									
188	6.5	1.06	0.07	1.02	1.07	3.4	1.05	0.04	2.4%
202	7.6	0.87	0.07	0.78	0.83	4.5	0.80	0.04	3.2%
205	5.8	1.02	0.06	1.03	1.09	3.9	1.06	0.04	2.7%
208	4.5	0.94	0.04	0.88	0.98	7.6	0.93	0.07	5.4%
206	7.1	0.98	0.07	0.91	0.93	1.6	0.92	0.01	1.1%
209	6.4	0.94	0.06	1.02	1.05	1.8	1.04	0.02	1.3%
ES						#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
1	10.8	0.98	0.11	1.07	1.01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	10.3	0.98	0.10	1.07	1.05	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	8.3	0.71	0.06	0.84	0.7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	6.3	1.05	0.07	1.12	1.17	3.1	1.15	0.04	2.2%
19	8.4	0.58	0.05	0.63	0.57	7.3	0.60	0.04	-5.2%
37	7.8	1.40	0.11	1.17	1.41	13.0	1.29	0.17	9.2%
54	13.1	1.35	0.18	1.59	1.32	13.2	1.46	0.19	-9.3%
77	7.9	1.20	0.10	1.05	1.22	10.9	1.13	0.12	7.7%
81	7.0	1.17	0.08	1.11	1.15	2.6	1.13	0.03	1.9%
104	12.1	1.48	0.18	1.97	1.69	10.9	1.83	0.20	-7.7%
105	5.1	1.18	0.06	1.18	1.21	1.9	1.19	0.02	1.3%
114	4.2	1.23	0.05	1.24	1.23	0.7	1.24	0.01	-0.5%
118	5.2	1.24	0.07	1.27	1.25	1.3	1.26	0.02	-0.9%
123	5.4	1.20	0.06	1.15	1.33	10.1	1.24	0.13	7.1%
126	8.5	1.29	0.11	1.16	1.36	11.1	1.26	0.14	7.8%
153									
155	5.0	1.51	0.08	1.56	1.4	7.5	1.48	0.11	-5.3%
156/157	15.9	1.15	0.18	0.92	1.13	14.8	1.02	0.15	10.5%
167	14.1	1.18	0.17	0.94	1.13	12.8	1.04	0.13	9.0%
169	19.8	1.10	0.22	0.80	1.14	25.0	0.97	0.24	17.7%
170									
180									
188	12.9	1.39	0.18	1.66	1.34	15.0	1.50	0.23	-10.6%
189	9.1	1.70	0.15	1.55	1.77	9.4	1.66	0.16	6.6%
202	9.7	1.32	0.13	1.46	1.27	9.7	1.36	0.13	-6.9%

205	4.3	1.26	0.05	1.21	1.25	2.6	1.23	0.03	1.8%
206	7.4	0.94	0.07	1.12	1.07	3.1	1.09	0.03	-2.2%
208	8.5	1.31	0.11	1.61	1.34	12.9	1.47	0.19	-9.1%
209	6.3	1.21	0.08	1.19	1.18	0.9	1.19	0.01	-0.6%
SS									
28	7.1	1.11	0.08	1.05	0.98	5.0	1.02	0.05	-3.5%
111	6.3	1.07	0.07	1.02	0.90	8.6	0.96	0.08	-6.1%
178	4.6	0.68	0.03	0.66	0.65	1.6	0.66	0.01	-1.1%

Additional Ax						RSD	Mean	sd	PD from Historical Mean
PCB-1 2-MoCB	0.88					#DIV/0!	0.88	#DIV/0!	-100.0%
PCB-2 3-MoCB	0.84					#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-3 4-MoCB	0.83					#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-4 22-DiCB	0.86					#DIV/0!	0.86	#DIV/0!	-100.0%
PCB-10 26-DiCB	1.33					#DIV/0!	1.33	#DIV/0!	-100.0%
PCB-9 25-DiCB	0.73					#DIV/0!	0.73	#DIV/0!	-100.0%
PCB-7 24-DiCB	0.81					#DIV/0!	0.81	#DIV/0!	-100.0%
PCB-6 23-DiCB	0.76					#DIV/0!	0.76	#DIV/0!	-100.0%
PCB-5 23-DiCB	0.76					#DIV/0!	0.76	#DIV/0!	-100.0%
PCB-8 24-DiCB	0.77					#DIV/0!	0.77	#DIV/0!	-100.0%
PCB-14 35-DiCB	0.89					#DIV/0!	0.89	#DIV/0!	-100.0%
PCB-11 33-DiCB	0.78					#DIV/0!	0.78	#DIV/0!	-100.0%
PCB-13/12 34-/34-DiCB	0.79					#DIV/0!	0.79	#DIV/0!	-100.0%
PCB-15 44-DiCB	0.83					#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-19 226-TrCB	0.95					#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-30/18 246-/225-TrCB	1.21					#DIV/0!	1.21	#DIV/0!	-100.0%
PCB-17 224-TrCB	1.04					#DIV/0!	1.04	#DIV/0!	-100.0%
PCB-27 236-TrCB	1.41					#DIV/0!	1.41	#DIV/0!	-100.0%
PCB-24 236-TrCB	1.34					#DIV/0!	1.34	#DIV/0!	-100.0%
PCB-16 223-TrCB	0.84					#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-32 246-TrCB	1.46					#DIV/0!	1.46	#DIV/0!	-100.0%
PCB-34 235-TrCB	0.98					#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-23 235-TrCB	0.99					#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-26/29 235-/245-TrCB	1.02					#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-25 234-TrCB	1.02					#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-31 245-TrCB	1.04					#DIV/0!	1.04	#DIV/0!	-100.0%
PCB-28/20 244-/233-TrCB	1.00					#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-21/33 234-/234-TrCB	1.02					#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-22 234-TrCB	0.93					#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-36 335-TrCB	1.05					#DIV/0!	1.05	#DIV/0!	-100.0%
PCB-39 345-TrCB	1.09					#DIV/0!	1.09	#DIV/0!	-100.0%
PCB-38 345-TrCB	0.96					#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-35 334-TrCB	0.96					#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-37 344-TrCB	0.98					#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-54 2266-TeCB	1.17					#DIV/0!	1.17	#DIV/0!	-100.0%
PCB-50/53 2246-/2256TeCB	0.59					#DIV/0!	0.59	#DIV/0!	-100.0%
PCB-45 2236-TeCB	0.50					#DIV/0!	0.50	#DIV/0!	-100.0%
PCB-51 2246-TeCB	0.60					#DIV/0!	0.60	#DIV/0!	-100.0%
PCB-46 2236-TeCB	0.46					#DIV/0!	0.46	#DIV/0!	-100.0%
PCB-52 2255-TeCB	0.54					#DIV/0!	0.54	#DIV/0!	-100.0%
PCB-73 2356TeCB	0.69					#DIV/0!	0.69	#DIV/0!	-100.0%
PCB-43 2235-TeCB	0.45					#DIV/0!	0.45	#DIV/0!	-100.0%
PCB-69/49 2346-/2245TeCB	0.66					#DIV/0!	0.66	#DIV/0!	-100.0%
PCB-48 2245-TeCB	0.54					#DIV/0!	0.54	#DIV/0!	-100.0%
PCB-44/47/65 2235-/2244'	0.58					#DIV/0!	0.58	#DIV/0!	-100.0%
PCB-59/62/75 2336-/2346-/24	0.75					#DIV/0!	0.75	#DIV/0!	-100.0%
PCB-42 2234-TeCB	0.50					#DIV/0!	0.50	#DIV/0!	-100.0%
PCB-41 2234-TeCB	0.46					#DIV/0!	0.46	#DIV/0!	-100.0%

PCB-71/40 23'4'6/22'33'-TeCB	0.55	#DIV/0!	0.55	#DIV/0!	-100.0%
PCB-64 23'4'-TeCB	0.77	#DIV/0!	0.77	#DIV/0!	-100.0%
PCB-72 23'55'-TeCB	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-68 23'45'-TeCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-57 23'35'-TeCB	0.88	#DIV/0!	0.88	#DIV/0!	-100.0%
PCB-58 23'35'-TeCB	0.86	#DIV/0!	0.86	#DIV/0!	-100.0%
PCB-67 23'45'-TeCB	0.89	#DIV/0!	0.89	#DIV/0!	-100.0%
PCB-63 23'45'-TeCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-61/70/74/76 23'45'-/23'4'5'	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-66 23'44'-TeCB	0.83	#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-55 23'3'4'-TeCB	0.83	#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-56 23'3'4'-TeCB	0.80	#DIV/0!	0.80	#DIV/0!	-100.0%
PCB-60 23'44'-TeCB	0.82	#DIV/0!	0.82	#DIV/0!	-100.0%
PCB-80 33'55'-TeCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-79 33'45'-TeCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-78 33'45'-TeCB	0.80	#DIV/0!	0.80	#DIV/0!	-100.0%
PCB-104 22'4'66'-PeCB	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-96 22'3'66'-PeCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-103 22'45'6'-PeCB	0.78	#DIV/0!	0.78	#DIV/0!	-100.0%
PCB-94 22'3'56'-PeCB	0.66	#DIV/0!	0.66	#DIV/0!	-100.0%
PCB-95 22'3'5'6'-PeCB	0.71	#DIV/0!	0.71	#DIV/0!	-100.0%
PCB-100/93 22'44'6'-/22'3'56'-P	0.70	#DIV/0!	0.70	#DIV/0!	-100.0%
PCB-102 22'45'6'-PeCB	0.82	#DIV/0!	0.82	#DIV/0!	-100.0%
PCB-98 22'3'46'-PeCB	0.66	#DIV/0!	0.66	#DIV/0!	-100.0%
PCB-88 22'3'46'-PeCB	0.67	#DIV/0!	0.67	#DIV/0!	-100.0%
PCB-91 22'3'4'6'-PeCB	0.78	#DIV/0!	0.78	#DIV/0!	-100.0%
PCB-84 22'3'3'6'-PeCB	0.63	#DIV/0!	0.63	#DIV/0!	-100.0%
PCB-89 22'3'46'-PeCB	0.67	#DIV/0!	0.67	#DIV/0!	-100.0%
PCB-121 23'45'6'-PeCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-92 22'3'55'-PeCB	0.71	#DIV/0!	0.71	#DIV/0!	-100.0%
PCB-113/90/101 23'3'5'6'-/22'3'	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-83 22'3'3'5'-PeCB	0.61	#DIV/0!	0.61	#DIV/0!	-100.0%
PCB-99 22'4'4'5'-PeCB	0.75	#DIV/0!	0.75	#DIV/0!	-100.0%
PCB-112 23'3'5'6'-PeCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-108/119/86/97/125/87 233	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-117 23'4'5'6'-PeCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-116/85 23'45'6'-/22'3'44'-Pe	0.81	#DIV/0!	0.81	#DIV/0!	-100.0%
PCB-110 23'3'4'6'-PeCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-115 23'44'6'-PeCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-82 22'3'3'4'-PeCB	0.61	#DIV/0!	0.61	#DIV/0!	-100.0%
PCB-111 23'3'55'-PeCB	1.05	#DIV/0!	1.05	#DIV/0!	-100.0%
PCB-120 23'455'-PeCB	1.02	#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-107/124 23'3'4'5'-/2'3'455'	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-109 23'3'46'-PeCB	1.01	#DIV/0!	1.01	#DIV/0!	-100.0%
PCB-106 23'3'45'-PeCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-122 2'3'3'45'-PeCB	0.80	#DIV/0!	0.80	#DIV/0!	-100.0%
PCB-127 33'455'-PeCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-155 22'44'66'-HxCB	1.06	#DIV/0!	1.06	#DIV/0!	-100.0%
PCB-152 22'3'566'-HxCB	0.99	#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-150 22'3'4'66'-HxCB	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-136 22'3'3'66'-HxCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-145 22'3'466'HxCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-148 22'3'4'56'-HxCB	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-151/135 22'3'55'6'-/22'3'3'	0.92	#DIV/0!	0.92	#DIV/0!	-100.0%
PCB-154 22'44'5'6'-HxCB	1.05	#DIV/0!	1.05	#DIV/0!	-100.0%
PCB-144 22'3'45'6'-HxCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-147/149 22'3'4'56'-/22'3'4'	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-134 22'3'3'56'-HxCB	0.76	#DIV/0!	0.76	#DIV/0!	-100.0%
PCB-143 22'3'456'-HxCB	0.89	#DIV/0!	0.89	#DIV/0!	-100.0%
PCB-139/140 22'3'44'6'-/22'3'44'	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-131 22'3'3'46'-HxCB	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-142 22'3'456'-HxCB	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-132 22'3'3'46'-HxCB	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-133 22'3'3'55'-HxCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%

PCB-165 233'55'6-HxCB	1.11	#DIV/0!	1.11	#DIV/0!	-100.0%
PCB-146 22'34'55'-HxCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-161 233'45'6-HxCB	1.25	#DIV/0!	1.25	#DIV/0!	-100.0%
PCB-153/168 22'44'55'-/23'44'	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-141 22'34'55'-HxCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-130 22'33'45'-HxCB	0.82	#DIV/0!	0.82	#DIV/0!	-100.0%
PCB-137 22'344'5-HxCB	1.00	#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-164 233'4'5'6-HxCB	1.25	#DIV/0!	1.25	#DIV/0!	-100.0%
PCB-163/138/129 233'4'56-/22'	1.00	#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-160 233'456-HxCB	1.17	#DIV/0!	1.17	#DIV/0!	-100.0%
PCB-158 233'44'6-HxCB	1.40	#DIV/0!	1.40	#DIV/0!	-100.0%
PCB-128/166 22'33'44'-/2344'5	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-159 233'455'-HxCB	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-162 233'4'55'-HxCB	1.13	#DIV/0!	1.13	#DIV/0!	-100.0%
PCB-188 22'34'566'-HpCB	1.08	#DIV/0!	1.08	#DIV/0!	-100.0%
PCB-179 22'33'566'-HpCB	0.99	#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-184 22'344'66'-HpCB	0.99	#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-176 22'33'466'-HpCB	1.08	#DIV/0!	1.08	#DIV/0!	-100.0%
PCB-186 22'34566'-HpCB	1.01	#DIV/0!	1.01	#DIV/0!	-100.0%
PCB-178 22'33'55'6-HpCB	0.79	#DIV/0!	0.79	#DIV/0!	-100.0%
PCB-175 22'33'45'6-HpCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-187 22'34'55'6-HpCB	1.02	#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-182 22'344'56'-HpCB	1.04	#DIV/0!	1.04	#DIV/0!	-100.0%
PCB-183 22'344'5'6-HpCB	1.01	#DIV/0!	1.01	#DIV/0!	-100.0%
PCB-185 22'3455'6-HpCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-174 22'33'456'-HpCB	0.86	#DIV/0!	0.86	#DIV/0!	-100.0%
PCB-177 22'33'4'56-HpCB	0.85	#DIV/0!	0.85	#DIV/0!	-100.0%
PCB-181 22'344'56-HpCB	1.02	#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-171/173 22'33'44'6-/22'3	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-172 22'33'455'-HpCB	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-192 233'455'6-HpCB	1.13	#DIV/0!	1.13	#DIV/0!	-100.0%
PCB-180/193 22'344'55'-/233'	1.08	#DIV/0!	1.08	#DIV/0!	-100.0%
PCB-191 233'44'5'6-HpCB	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-170 22'33'44'5-HpCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-190 233'44'56-HpCB	1.37	#DIV/0!	1.37	#DIV/0!	-100.0%
PCB-202 22'33'55'66'-OcCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-201 22'33'45'66'-OcCB	1.00	#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-204 22'344'566'-OcCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-197 22'33'44'66'-OcCB	1.03	#DIV/0!	1.03	#DIV/0!	-100.0%
PCB-200 22'33'4566'-OcCB	0.92	#DIV/0!	0.92	#DIV/0!	-100.0%
PCB-198/199 22'33'455'6-/22'	0.69	#DIV/0!	0.69	#DIV/0!	-100.0%
PCB-196 22'33'44'56'-OcCB	0.74	#DIV/0!	0.74	#DIV/0!	-100.0%
PCB-203 22'344'55'6-OcCB	0.75	#DIV/0!	0.75	#DIV/0!	-100.0%
PCB-195 22'33'44'56-OcCB	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-194 22'33'44'55'-OcCB	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-205 233'44'55'6-OcCB	1.18	#DIV/0!	1.18	#DIV/0!	-100.0%
PCB-208 22'33'455'66'-NoCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-207 22'33'44'566'-NoCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-206 22'33'44'55'6-NoCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%

Analytical Perspectives — Run Log

Project: 120126Sxx QC

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
3	120126S03	20	CS0_120126_PCB_SA	10.00	SIL 12-5-6	CTW	815-319	26-Jan-2012	16:11:34
4	120126S04	21	CS1_120126_PCB_SA	10.00	SIL 12-5-5	CTW	955-433	26-Jan-2012	17:04:43
5	120126S05	22	CS2_120126_PCB_SA	10.00	SIL 12-5-4	CTW	234-493	26-Jan-2012	17:59:45
6	120126S06	23	CS3_120126_PCB_SB	10.00	SIL 12-5-3	CTW	524-324	26-Jan-2012	18:54:44
7	120126S07	24	CS4_120126_PCB_SA	10.00	SIL 12-5-2	CTW	247-643	26-Jan-2012	19:49:48
8	120126S08	25	CS5_120126_PCB_SA	10.00	SIL 12-5-1	CTW	090-464	26-Jan-2012	20:44:52
9	120126S09	12	SBS_120126_PCB_SB	10.00	SIL 9-41-1	CTW	534-061	26-Jan-2012	21:52:48
10	120126S10	12	SBS_120126_PCB_SC	10.00	SIL 9-41-1	CTW	398-567	26-Jan-2012	22:45:51
11	120126S11	12	SBS_120126_PCB_SD	10.00	SIL 9-41-1	CTW	994-650	26-Jan-2012	23:40:57

REVIEWED*By cwood at 2:30 pm, Jan 30, 2012*

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 16:11							
Datafile:	120126S03							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.53	2.25E+05	0.68 Y	1.22	1.16	-5.7%		
PCB-81 344'5'-TeCB	30.05	2.14E+05	0.79 Y	1.24	1.15	-7.4%		
PCB-105 233'44'-PeCB	33.50	1.46E+05	0.65 Y	1.03	0.94	-8.4%		
PCB-114 2344'5'-PeCB	32.97	1.68E+05	0.66 Y	1.10	1.05	-4.2%		
PCB-118 23'44'5'-PeCB	32.52	1.58E+05	0.62 Y	1.03	0.97	-6.0%		
PCB-123 2'344'5'-PeCB	32.24	1.44E+05	0.59 Y	0.93	0.85	-8.3%		
PCB-126 33'44'5'-PeCB	36.13	1.97E+05	0.65 Y	1.11	1.13	1.8%		
PCB-156/157 233'44'5'/233'44'5'	38.68	2.98E+05	1.27 Y	1.05	0.99	-5.7%		
PCB-167 23'44'55'-HxCB	37.71	1.53E+05	1.17 Y	1.08	1.01	-7.0%		
PCB-169 33'44'55'-HxCB	41.41	1.56E+05	1.27 Y	1.04	1.00	-4.0%		
PCB-189 233'44'55'-HpCB	43.55	1.93E+05	1.10 Y	1.11	1.10	-0.5%		
PCB-209 DeCB	48.54	1.31E+05	1.11 Y	1.05	1.12	6.7%		
ES PCB-1	10.49	5.07E+07	3.18 Y	1.01	1.01	0.0%		
ES PCB-3	12.55	5.25E+07	3.21 Y	1.05	1.05	-0.3%		
ES PCB-4	12.77	3.51E+07	1.54 Y	0.70	0.70	0.5%		
ES PCB-15	18.11	5.95E+07	1.61 Y	1.17	1.19	1.5%		
ES PCB-19	15.61	2.87E+07	1.04 Y	0.57	0.57	1.2%		
ES PCB-37	24.24	4.43E+07	1.07 Y	1.41	1.42	0.8%		
ES PCB-54	18.36	3.99E+07	0.78 Y	1.32	1.28	-2.9%		
ES PCB-77	30.51	3.89E+07	0.79 Y	1.22	1.25	2.6%		
ES PCB-81	30.04	3.71E+07	0.80 Y	1.15	1.19	3.7%		
ES PCB-104	23.20	4.15E+07	1.58 Y	1.69	1.67	-1.0%		
ES PCB-105	33.48	3.11E+07	1.58 Y	1.21	1.25	3.9%		
ES PCB-114	32.94	3.20E+07	1.58 Y	1.23	1.29	4.5%		
ES PCB-118	32.49	3.24E+07	1.59 Y	1.25	1.30	4.8%		
ES PCB-123	32.22	3.41E+07	1.57 Y	1.33	1.37	3.4%		
ES PCB-126	36.10	3.48E+07	1.66 Y	1.36	1.40	3.3%		
ES PCB-153	34.09	2.89E+07	1.29 Y	1.09	1.09	0.2%		
ES PCB-155	28.10	3.61E+07	1.23 Y	1.40	1.36	-3.1%		
ES PCB-156/157	38.65	6.06E+07	1.28 Y	1.13	1.14	0.6%		
ES PCB-167	37.69	3.04E+07	1.26 Y	1.13	1.14	1.1%		
ES PCB-169	41.39	3.12E+07	1.26 Y	1.14	1.17	2.7%		
ES PCB-170	40.89	2.42E+07	1.04 Y	1.23	1.23	-0.2%		
ES PCB-180	39.84	2.86E+07	1.05 Y	1.46	1.45	-1.2%		
ES PCB-188	32.95	3.58E+07	1.05 Y	1.34	1.35	0.5%		
ES PCB-189	43.53	3.50E+07	1.06 Y	1.77	1.77	0.3%		
ES PCB-202	37.49	3.41E+07	0.89 Y	1.27	1.28	0.9%		
ES PCB-205	45.70	2.45E+07	0.91 Y	1.25	1.24	-0.6%		
ES PCB-206	47.17	2.09E+07	0.77 Y	1.07	1.06	-0.7%		
ES PCB-208	43.13	2.60E+07	0.78 Y	1.34	1.32	-1.4%		
ES PCB-209	48.52	2.33E+07	1.17 Y	1.18	1.18	-0.2%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:45		
Lab ID:	CS0_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	4.28E+07	1.07 Y	0.98	0.97	-1.5%	
SS PCB-111	30.57	3.03E+07	1.58 Y	0.90	0.89	-0.9%	
SS PCB-178	35.53	2.29E+07	1.09 Y	0.65	0.64	-1.0%	
CS PCB-28	20.78	4.28E+07	1.07 Y	1.39	1.38	-0.6%	
CS PCB-111	30.57	3.03E+07	1.58 Y	1.19	1.22	2.5%	
CS PCB-178	35.53	2.29E+07	1.09 Y	0.87	0.86	-0.6%	
JS PCB-9	14.60	5.00E+07	1.61 Y	-	-	-	
JS PCB-52	22.37	3.11E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	2.48E+07	1.60 Y	-	-	-	
JS PCB-138	35.13	2.66E+07	1.24 Y	-	-	-	
JS PCB-194	45.30	1.97E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.50	3.01E+05	3.10 Y	1.20	1.19	-1.0%	
PCB-3 4-MoCB	12.56	2.92E+05	2.84 Y	1.13	1.11	-1.6%	
PCB-4 22'-DiCB	12.78	1.64E+05	0.00 S	0.94	0.94	-1.0%	
PCB-15 44'-DiCB	18.13	2.91E+05	0.00 S	1.01	0.98	-3.0%	
PCB-19 22'6'-TrCB	15.63	1.38E+05	1.01 Y	1.01	0.96	-4.8%	
PCB-37 344'-TrCB	24.26	2.57E+05	1.07 Y	1.20	1.16	-3.3%	
PCB-54 22'66'-TeCB	18.38	1.76E+05	0.80 Y	0.93	0.88	-5.6%	
PCB-104 22'466'-PeCB	23.22	1.89E+05	0.65 Y	0.92	0.91	-0.5%	
PCB-153 22'44'55' -HxCB	34.14	3.20E+05	1.12 Y	1.15	1.11	-3.6%	
PCB-155 22'44'66'-HxCB	28.12	1.89E+05	1.11 Y	1.06	1.04	-1.1%	
PCB-170 22'33'44'5'-HpCB	40.91	1.10E+05	1.00 Y	1.00	0.91	-8.9%	
PCB-180 22'344'55'-HpCB	39.83	2.76E+05	1.16 Y	1.01	0.97	-4.5%	
PCB-188 22'34'566'-HpCB	32.97	1.86E+05	1.00 Y	1.07	1.04	-2.2%	
PCB-202 22'33'55'66'-OcCB	37.51	1.47E+05	0.83 Y	0.83	0.86	4.3%	
PCB-205 233'44'55'6'-OcCB	45.72	1.30E+05	0.86 Y	1.09	1.06	-2.6%	
PCB-208 22'33'455'66'-NoCB	43.15	1.24E+05	0.75 Y	0.98	0.95	-2.2%	
PCB-206 22'33'44'55'6'-NoCB	47.19	9.35E+04	0.76 Y	0.93	0.89	-4.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	3.01E+05	3.10 Y	1.20	1.19	-1.0%	
PCB-2 3-MoCB	12.39	2.82E+05	3.24 Y	1.13	1.08	-4.9%	
PCB-3 4-MoCB	12.56	2.92E+05	2.84 Y	1.13	1.11	-1.6%	
PCB-4 22'-DiCB	12.78	1.64E+05	0.00 S	0.94	0.94	-1.0%	
PCB-10 26-DiCB	12.95	2.54E+05	0.00 S	1.43	1.45	1.2%	
PCB-9 25-DiCB	14.62	2.55E+05	0.00 S	0.87	0.86	-1.4%	
PCB-7 24-DiCB	14.77	2.81E+05	0.00 S	1.00	0.94	-6.1%	
PCB-6 23'-DiCB	14.98	2.71E+05	0.00 S	0.94	0.91	-2.8%	
PCB-5 23-DiCB	15.25	2.37E+05	0.00 S	0.92	0.79	-13.7%	
PCB-8 24'-DiCB	15.37	2.67E+05	0.00 S	0.95	0.90	-5.3%	
PCB-14 35-DiCB	16.85	3.09E+05	0.00 S	1.09	1.04	-5.0%	
PCB-11 33'-DiCB	17.58	3.05E+05	0.00 S	0.98	1.02	4.9%	
PCB-13/12 34'-/34-DiCB	17.85	5.80E+05	0.00 S	0.97	0.98	0.6%	
PCB-15 44'-DiCB	18.13	2.91E+05	0.00 S	1.01	0.98	-3.0%	
PCB-19 22'6-TrCB	15.63	1.38E+05	1.01 Y	1.01	0.96	-4.8%	
PCB-30/18 246-/22'5-TrCB	17.31	3.47E+05	0.94 Y	1.29	1.21	-6.6%	
PCB-17 22'4-TrCB	17.69	1.61E+05	1.12 Y	1.14	1.12	-1.7%	
PCB-27 23'6-TrCB	17.87	2.03E+05	1.02 Y	1.48	1.41	-4.9%	
PCB-24 236-TrCB	17.99	1.97E+05	1.14 Y	1.43	1.37	-4.1%	
PCB-16 22'3-TrCB	18.08	1.25E+05	1.07 Y	0.89	0.87	-2.8%	
PCB-32 24'6-TrCB	18.54	2.15E+05	1.05 Y	1.56	1.49	-4.2%	
PCB-34 2'35-TrCB	19.67	2.53E+05	1.07 Y	1.18	1.14	-3.0%	
PCB-23 235-TrCB	19.81	2.52E+05	1.08 Y	1.19	1.14	-4.1%	
PCB-26/29 23'5-/245-TrCB	20.08	5.01E+05	1.07 Y	1.20	1.13	-5.8%	
PCB-25 23'4-TrCB	20.27	2.41E+05	1.05 Y	1.19	1.09	-8.7%	
PCB-31 24'5-TrCB	20.54	2.58E+05	1.04 Y	1.23	1.17	-4.9%	
PCB-28/20 244'-/233'-TrCB	20.81	5.05E+05	0.99 Y	1.18	1.14	-3.3%	
PCB-21/33 234'-/2'34-TrCB	20.98	5.27E+05	1.01 Y	1.21	1.19	-2.0%	
PCB-22 234'-TrCB	21.34	2.30E+05	1.05 Y	1.11	1.04	-7.0%	
PCB-36 33'5-TrCB	22.71	2.48E+05	1.02 Y	1.21	1.12	-7.5%	
PCB-39 34'5-TrCB	23.02	2.95E+05	1.03 Y	1.32	1.33	1.1%	
PCB-38 345-TrCB	23.53	2.45E+05	0.95 Y	1.15	1.11	-4.2%	
PCB-35 33'4-TrCB	23.91	2.43E+05	0.96 Y	1.13	1.10	-3.3%	
PCB-37 344'-TrCB	24.26	2.57E+05	1.07 Y	1.20	1.16	-3.3%	
PCB-54 22'66'-TeCB	18.38	1.76E+05	0.80 Y	0.93	0.88	-5.6%	
PCB-50/53 22'46-/22'56'TeCB	20.31	2.75E+05	0.78 Y	0.83	0.74	-11.1%	
PCB-45 22'36'-TeCB	20.86	1.18E+05	0.72 Y	0.71	0.64	-9.7%	
PCB-51 22'46'-TeCB	20.94	1.46E+05	0.83 Y	0.88	0.79	-10.3%	
PCB-46 22'36'-TeCB	21.14	1.16E+05	0.76 Y	0.69	0.62	-10.1%	
PCB-52 22'55'-TeCB	22.39	1.34E+05	0.81 Y	0.80	0.72	-10.3%	
PCB-73 23'5'6TeCB	22.52	1.76E+05	0.77 Y	1.03	0.95	-8.1%	
PCB-43 22'35'-TeCB	22.60	1.21E+05	0.86 Y	0.71	0.65	-7.5%	
PCB-69/49 23'46-/22'45'TeCB	22.80	3.28E+05	0.73 Y	0.96	0.88	-7.9%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.07	1.42E+05	0.84 Y	0.84	0.77	-8.3%	
PCB-44/47/65 22'35'-/22'44'-	23.28	4.37E+05	0.74 Y	0.86	0.78	-8.7%	
PCB-59/62/75 233'6'-/2346-/24	23.55	5.57E+05	0.77 Y	1.09	1.00	-8.5%	
PCB-42 22'34'-TeCB	23.70	1.32E+05	0.84 Y	0.77	0.71	-6.9%	
PCB-41 22'34'-TeCB	24.02	1.16E+05	0.73 Y	0.73	0.62	-14.0%	
PCB-71/40 23'4'6/22'33'-TeCB	24.12	2.68E+05	0.83 Y	0.81	0.72	-11.3%	
PCB-64 234'6'-TeCB	24.32	2.04E+05	0.75 Y	1.17	1.10	-5.7%	
PCB-72 23'55'-TeCB	25.06	2.14E+05	0.85 Y	1.25	1.15	-7.9%	
PCB-68 23'45'-TeCB	25.31	2.38E+05	0.89 Y	1.36	1.28	-6.0%	
PCB-57 233'5'-TeCB	25.66	2.15E+05	0.83 Y	1.22	1.16	-5.4%	
PCB-58 233'5'-TeCB	25.86	2.38E+05	0.81 Y	1.26	1.28	2.1%	
PCB-67 23'45'-TeCB	26.01	2.21E+05	0.79 Y	1.27	1.19	-6.5%	
PCB-63 234'5'-TeCB	26.24	2.27E+05	0.85 Y	1.34	1.22	-8.4%	
PCB-61/70/74/76 2345-/23'4'5	26.52	8.58E+05	0.77 Y	1.24	1.15	-7.1%	
PCB-66 23'44'-TeCB	26.80	1.98E+05	0.69 Y	1.19	1.07	-10.2%	
PCB-55 233'4'-TeCB	26.93	2.24E+05	0.77 Y	1.22	1.20	-1.1%	
PCB-56 233'4'-TeCB	27.36	2.07E+05	0.78 Y	1.18	1.12	-5.3%	
PCB-60 2344'-TeCB	27.55	2.22E+05	0.70 Y	1.24	1.20	-3.3%	
PCB-80 33'55'-TeCB	27.92	2.38E+05	0.85 Y	1.37	1.28	-6.8%	
PCB-79 33'45'-TeCB	29.21	2.40E+05	0.84 Y	1.37	1.29	-5.4%	
PCB-78 33'45'-TeCB	29.68	2.20E+05	0.71 Y	1.19	1.18	-0.8%	
PCB-104 22'466'-PeCB	23.22	1.89E+05	0.65 Y	0.92	0.91	-0.5%	
PCB-96 22'366'-PeCB	23.52	1.67E+05	0.62 Y	0.81	0.81	-0.4%	
PCB-103 22'45'6'-PeCB	25.21	1.17E+05	0.65 Y	0.78	0.68	-11.7%	
PCB-94 22'356'-PeCB	25.39	1.17E+05	0.63 Y	0.71	0.69	-3.8%	
PCB-95 22'35'6'-PeCB	25.76	1.22E+05	0.69 Y	0.74	0.72	-3.4%	
PCB-100/93 22'44'6-/22'356-P	25.97	2.32E+05	0.62 Y	0.75	0.68	-8.8%	
PCB-102 22'456'-PeCB	26.08	1.13E+05	0.61 Y	0.75	0.66	-11.3%	
PCB-98 22'3'46'-PeCB	26.14	1.15E+05	0.62 Y	0.71	0.68	-4.9%	
PCB-88 22'346'-PeCB	26.43	1.06E+05	0.55 Y	0.66	0.63	-5.9%	
PCB-91 22'34'6'-PeCB	26.50	1.32E+05	0.55 Y	0.84	0.78	-7.5%	
PCB-84 22'33'6'-PeCB	26.68	1.07E+05	0.60 Y	0.65	0.63	-3.2%	
PCB-89 22'346'-PeCB	27.10	1.07E+05	0.63 Y	0.69	0.63	-8.7%	
PCB-121 23'45'6'-PeCB	27.49	1.58E+05	0.59 Y	0.98	0.93	-5.6%	
PCB-92 22'355'-PeCB	27.79	1.17E+05	0.53 Y	0.72	0.68	-4.4%	
PCB-113/90/101 233'5'6-/22'3	28.27	3.83E+05	0.59 Y	0.81	0.75	-7.3%	
PCB-83 22'33'5'-PeCB	28.69	9.64E+04	0.71 N	0.62	0.57	-9.1%	
PCB-99 22'44'5'-PeCB	28.79	1.14E+05	0.63 Y	0.76	0.67	-12.5%	
PCB-112 233'56'-PeCB	28.89	1.50E+05	0.61 Y	0.96	0.88	-8.3%	
PCB-108/119/86/97/125/87 233	29.22	7.81E+05	0.62 Y	0.83	0.76	-7.4%	
PCB-117 234'56'-PeCB	29.75	1.47E+05	0.63 Y	0.94	0.86	-8.4%	
PCB-116/85 23456-/22'344'-Pe	29.83	2.59E+05	0.60 Y	0.81	0.76	-6.1%	
PCB-110 233'4'6'-PeCB	29.96	1.47E+05	0.62 Y	0.92	0.86	-6.2%	

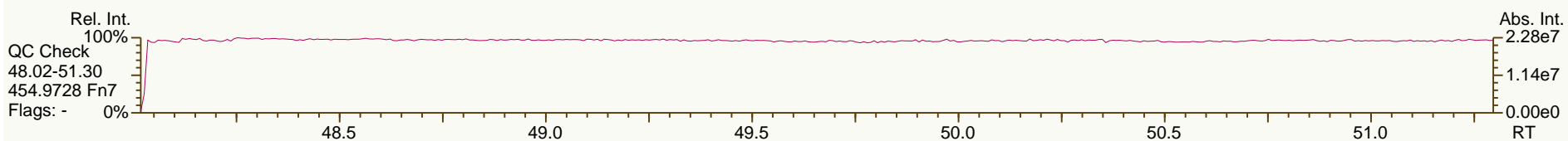
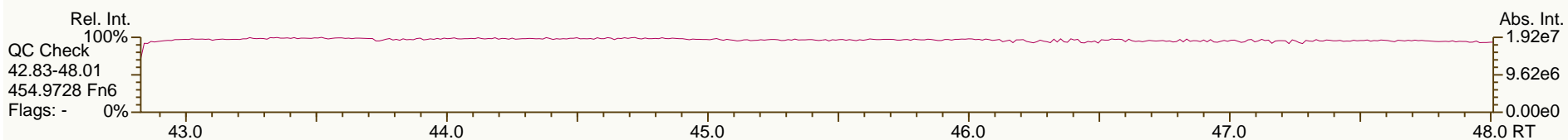
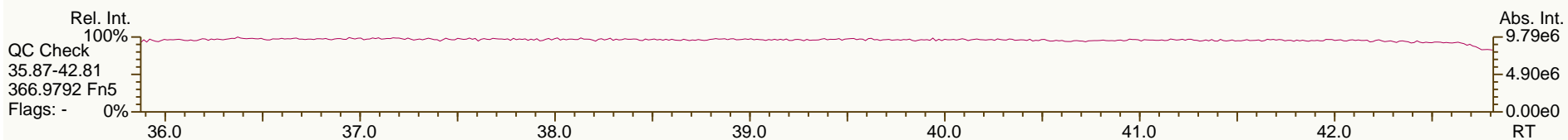
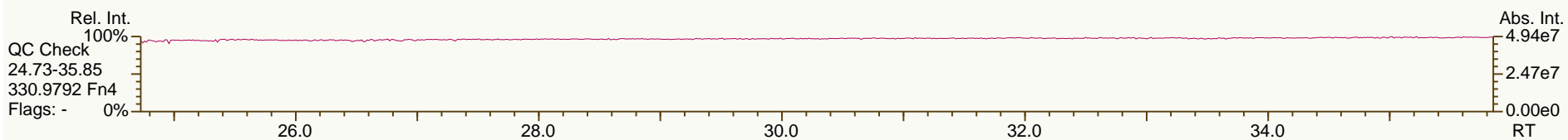
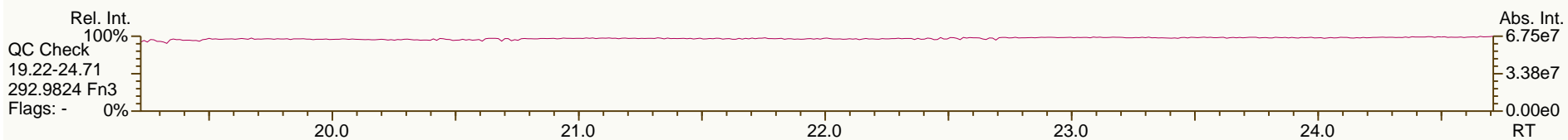
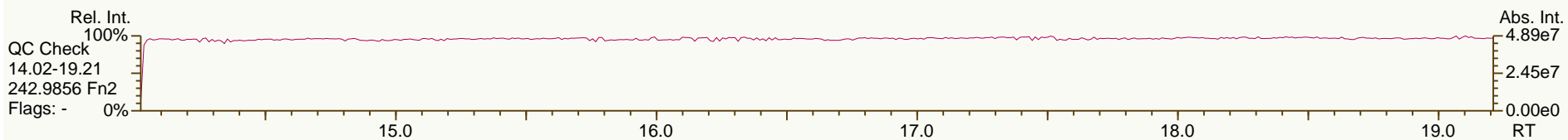
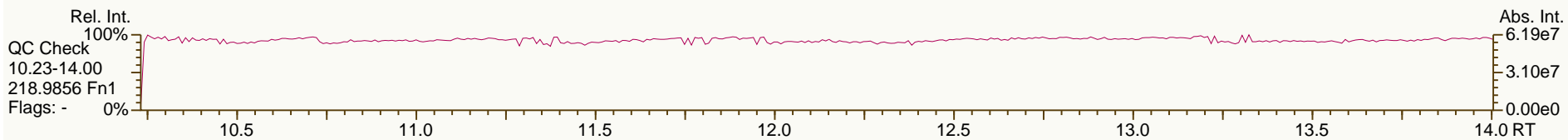
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	30.04	1.55E+05	0.60 Y	0.95	0.91	-3.7%	
PCB-82 22'33'4'-PeCB	30.23	9.49E+04	0.63 Y	0.62	0.56	-9.5%	
PCB-111 233'55'-PeCB	30.59	1.61E+05	0.64 Y	0.98	0.95	-4.0%	
PCB-120 23'455'-PeCB	30.98	1.55E+05	0.63 Y	0.99	0.91	-8.1%	
PCB-107/124 233'4'5'-/2'3455'	31.93	3.09E+05	0.61 Y	0.92	0.91	-1.4%	
PCB-109 233'46'-PeCB	32.14	1.52E+05	0.56 Y	1.00	0.90	-10.0%	
PCB-106 233'45'-PeCB	32.34	1.61E+05	0.62 Y	0.96	0.94	-2.0%	
PCB-122 2'33'45'-PeCB	32.80	1.34E+05	0.52 N	0.93	0.84	-9.5%	
PCB-127 33'455'-PeCB	34.77	1.54E+05	0.59 Y	1.04	0.99	-5.0%	
PCB-155 22'44'66'-HxCB	28.12	1.89E+05	1.11 Y	1.06	1.04	-1.1%	
PCB-152 22'3566'-HxCB	28.25	1.69E+05	1.22 Y	0.98	0.93	-4.8%	
PCB-150 22'34'66'-HxCB	28.41	1.72E+05	1.27 Y	0.99	0.95	-3.7%	
PCB-136 22'33'66'-HxCB	28.69	1.61E+05	1.20 Y	0.92	0.89	-3.1%	
PCB-145 22'3466'HxCB	28.96	1.68E+05	1.16 Y	0.94	0.93	-1.1%	
PCB-148 22'34'56'-HxCB	30.27	1.34E+05	1.15 Y	0.95	0.93	-2.2%	
PCB-151/135 22'355'6-/22'33'	30.77	2.49E+05	1.43 Y	0.92	0.86	-6.1%	
PCB-154 22'44'5'6'-HxCB	30.99	1.34E+05	1.06 Y	1.01	0.93	-8.5%	
PCB-144 22'345'6'-HxCB	31.24	1.14E+05	1.23 Y	0.93	0.79	-15.0%	
PCB-147/149 22'34'56-/22'34'	31.54	2.45E+05	1.36 Y	0.94	0.85	-9.5%	
PCB-134 22'33'56'-HxCB	31.71	1.08E+05	1.40 Y	0.78	0.75	-4.3%	
PCB-143 22'3456'-HxCB	31.78	1.25E+05	1.23 Y	0.90	0.86	-3.8%	
PCB-139/140 22'344'6-/22'344'	32.05	2.57E+05	1.24 Y	0.95	0.89	-6.5%	
PCB-131 22'33'46'-HxCB	32.22	1.14E+05	1.32 Y	0.84	0.79	-5.8%	
PCB-142 22'3456'-HxCB	32.35	1.28E+05	1.35 Y	0.87	0.89	1.8%	
PCB-132 22'33'46'-HxCB	32.59	1.29E+05	1.25 Y	0.88	0.89	1.8%	
PCB-133 22'33'55'-HxCB	33.04	1.29E+05	1.43 Y	0.89	0.89	0.3%	
PCB-165 233'55'6'-HxCB	33.38	1.47E+05	1.20 Y	1.06	1.02	-4.2%	
PCB-146 22'34'55'-HxCB	33.59	1.28E+05	1.38 Y	0.94	0.88	-6.5%	
PCB-161 233'45'6'-HxCB	33.71	1.68E+05	1.16 Y	1.20	1.16	-3.1%	
PCB-153/168 22'44'55'-/23'44'	34.14	3.20E+05	1.12 Y	1.15	1.11	-3.6%	
PCB-141 22'3455'-HxCB	34.27	1.27E+05	1.18 Y	0.91	0.88	-3.6%	
PCB-130 22'33'45'-HxCB	34.61	1.15E+05	1.13 Y	0.82	0.80	-2.9%	
PCB-137 22'344'5'-HxCB	34.81	1.48E+05	1.20 Y	1.00	1.02	1.9%	
PCB-164 233'4'5'6'-HxCB	34.89	1.44E+05	1.14 Y	1.14	0.99	-12.6%	
PCB-163/138/129 233'4'56-/22'	35.17	4.04E+05	1.20 Y	0.98	0.93	-5.4%	
PCB-160 233'456'-HxCB	35.30	1.60E+05	1.33 Y	1.14	1.10	-3.3%	
PCB-158 233'44'6'-HxCB	35.49	1.73E+05	1.37 Y	1.24	1.20	-3.9%	
PCB-128/166 22'33'44'-/2344'5	36.21	2.39E+05	1.21 Y	0.86	0.79	-9.0%	
PCB-159 233'455'-HxCB	37.07	1.48E+05	1.25 Y	1.03	0.97	-5.2%	
PCB-162 233'4'55'-HxCB	37.31	1.47E+05	1.32 Y	1.04	0.97	-6.6%	
PCB-188 22'34'566'-HpCB	32.97	1.86E+05	1.00 Y	1.07	1.04	-2.2%	
PCB-179 22'33'566'-HpCB	33.24	1.54E+05	1.16 Y	0.98	0.86	-12.0%	
PCB-184 22'344'66'-HpCB	33.71	1.76E+05	0.98 Y	0.97	0.98	1.1%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:45		
Lab ID:	CS0_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	1.72E+05	1.15 Y	1.06	0.96	-9.7%	
PCB-186 22'34566'-HpCB	34.37	1.75E+05	0.98 Y	1.02	0.98	-3.9%	
PCB-178 22'33'55'6'-HpCB	35.55	1.33E+05	1.11 Y	0.77	0.74	-3.9%	
PCB-175 22'33'45'6'-HpCB	36.09	1.28E+05	1.14 Y	0.89	0.90	0.3%	
PCB-187 22'34'55'6'-HpCB	36.32	1.36E+05	1.10 Y	0.94	0.95	1.8%	
PCB-182 22'344'56'-HpCB	36.50	1.29E+05	1.05 Y	0.95	0.90	-5.1%	
PCB-183 22'344'5'6'-HpCB	36.84	1.28E+05	1.14 Y	0.96	0.90	-6.4%	
PCB-185 22'3455'6'-HpCB	36.91	1.36E+05	1.09 Y	0.93	0.95	2.7%	
PCB-174 22'33'456'-HpCB	37.02	1.02E+05	1.19 Y	0.80	0.71	-10.8%	
PCB-177 22'33'4'56'-HpCB	37.39	1.11E+05	1.14 Y	0.82	0.78	-4.5%	
PCB-181 22'344'56'-HpCB	37.74	1.20E+05	1.01 Y	0.91	0.84	-8.3%	
PCB-171/173 22'33'44'6'-/22'3	37.92	2.10E+05	1.13 Y	0.81	0.73	-9.7%	
PCB-172 22'33'455'-HpCB	39.31	1.10E+05	1.18 Y	0.83	0.77	-6.8%	
PCB-192 233'455'6'-HpCB	39.55	1.55E+05	1.19 Y	1.09	1.09	-0.6%	
PCB-180/193 22'344'55'-/233'	39.83	2.76E+05	1.16 Y	1.01	0.97	-4.5%	
PCB-191 233'44'5'6'-HpCB	40.15	1.63E+05	1.12 Y	1.13	1.14	0.7%	
PCB-170 22'33'44'5'-HpCB	40.91	1.10E+05	1.00 Y	1.00	0.91	-8.9%	
PCB-190 233'44'56'-HpCB	41.36	1.64E+05	1.00 Y	1.35	1.36	0.1%	
PCB-202 22'33'55'66'-OcCB	37.51	1.47E+05	0.83 Y	0.83	0.86	4.3%	
PCB-201 22'33'45'66'-OcCB	38.30	1.53E+05	0.88 Y	0.93	0.90	-3.0%	
PCB-204 22'344'566'-OcCB	38.87	1.54E+05	0.81 Y	0.89	0.91	1.7%	
PCB-197 22'33'44'66'-OcCB	39.06	1.42E+05	0.75 N	0.91	0.83	-8.6%	
PCB-200 22'33'4566'-OcCB	39.14	1.57E+05	0.88 Y	0.93	0.92	-0.9%	
PCB-198/199 22'33'455'6'-/22'	41.49	2.32E+05	0.91 Y	0.68	0.68	-0.3%	
PCB-196 22'33'44'56'-OcCB	42.07	1.20E+05	0.98 Y	0.72	0.70	-2.1%	
PCB-203 22'344'55'6'-OcCB	42.24	1.24E+05	0.95 Y	0.74	0.73	-1.5%	
PCB-195 22'33'44'56'-OcCB	43.34	9.61E+04	0.87 Y	0.81	0.78	-3.3%	
PCB-194 22'33'44'55'-OcCB	45.32	9.59E+04	0.94 Y	0.86	0.78	-8.7%	
PCB-205 233'44'55'6'-OcCB	45.72	1.30E+05	0.86 Y	1.09	1.06	-2.6%	
PCB-208 22'33'455'66'-NoCB	43.15	1.24E+05	0.75 Y	0.98	0.95	-2.2%	
PCB-207 22'33'44'566'-NoCB	43.94	1.27E+05	0.74 Y	1.02	0.97	-4.3%	
PCB-206 22'33'44'55'6'-NoCB	47.19	9.35E+04	0.76 Y	0.93	0.89	-4.3%	

AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

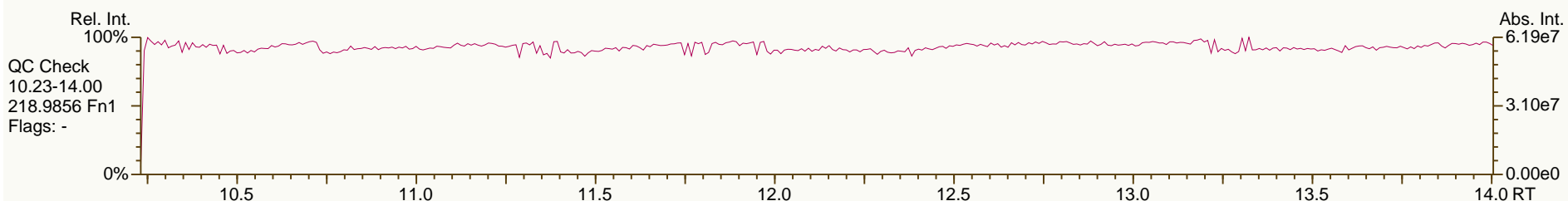
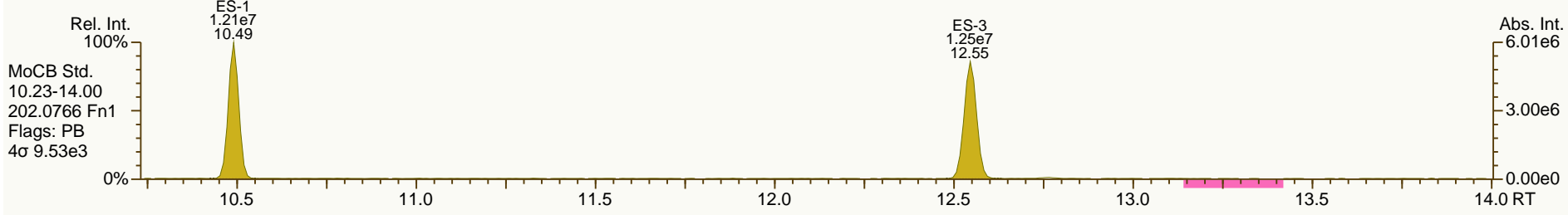
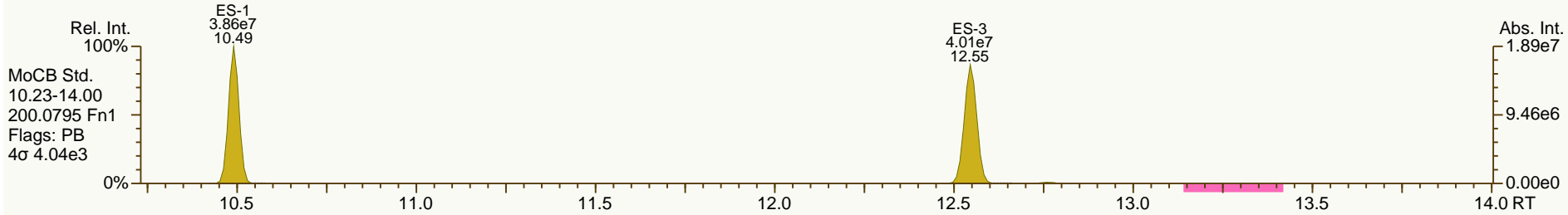
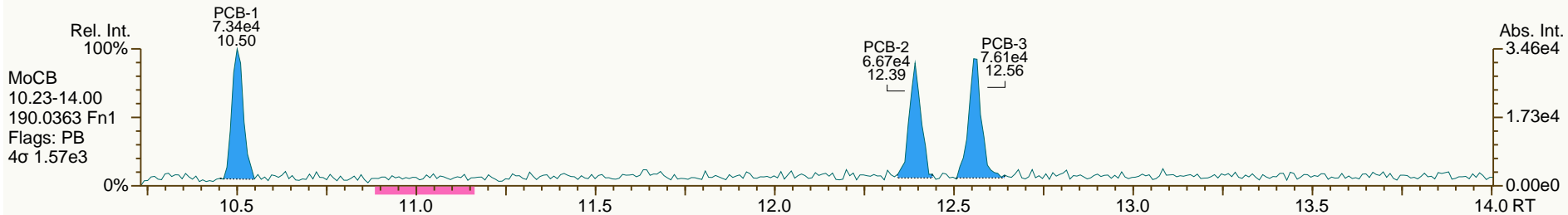
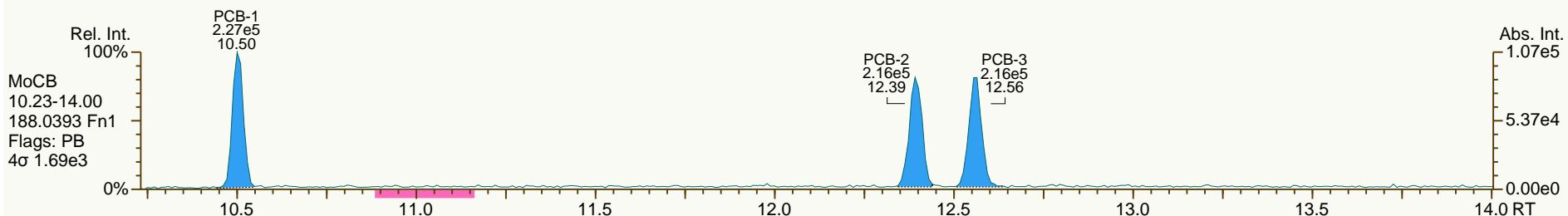
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

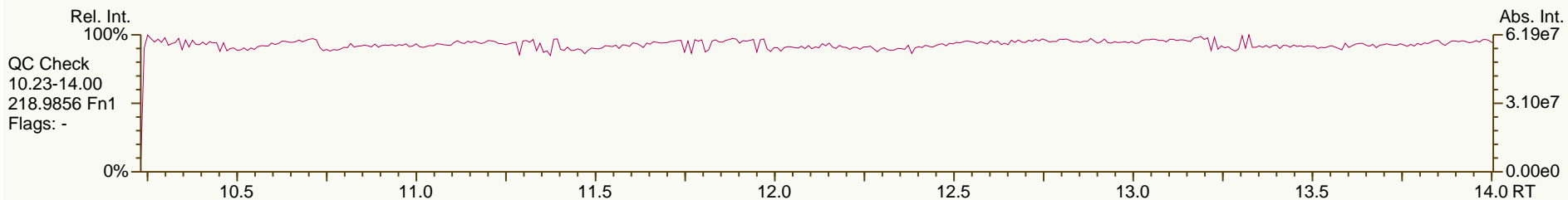
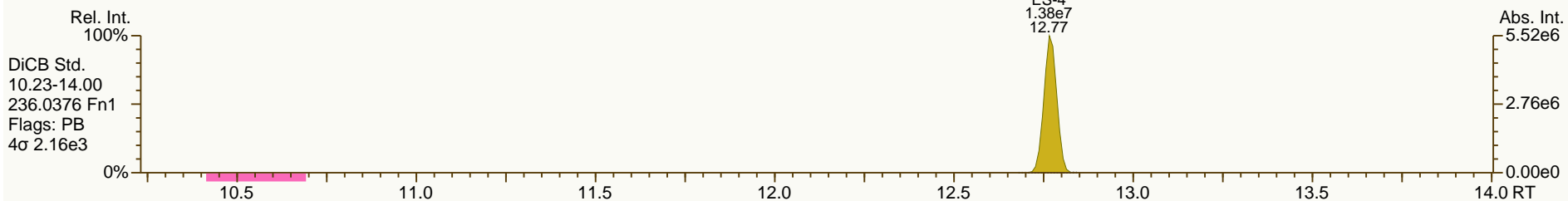
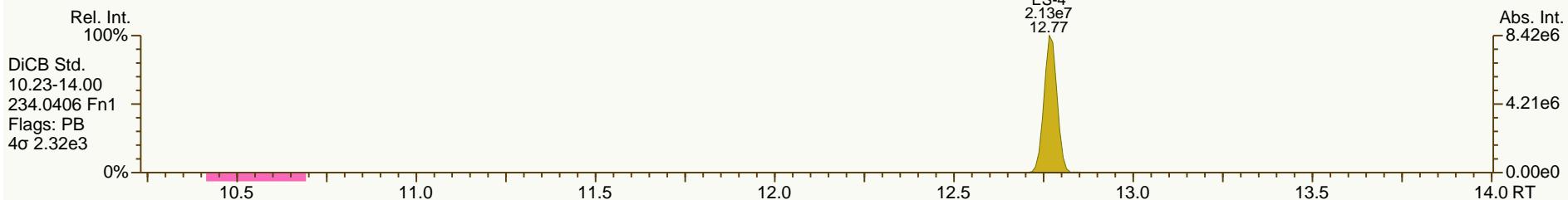
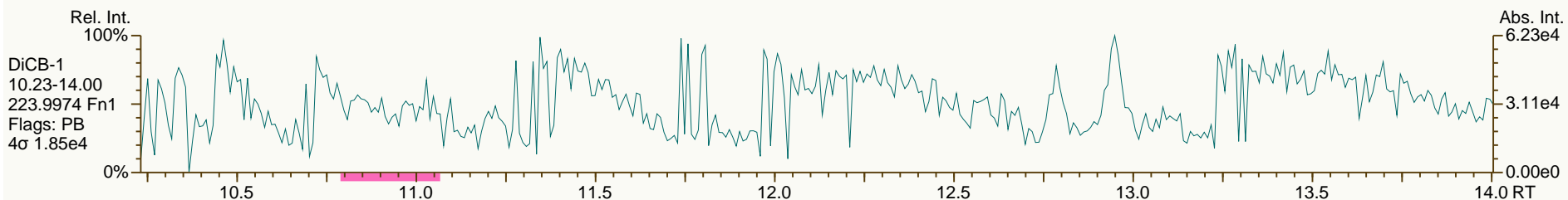
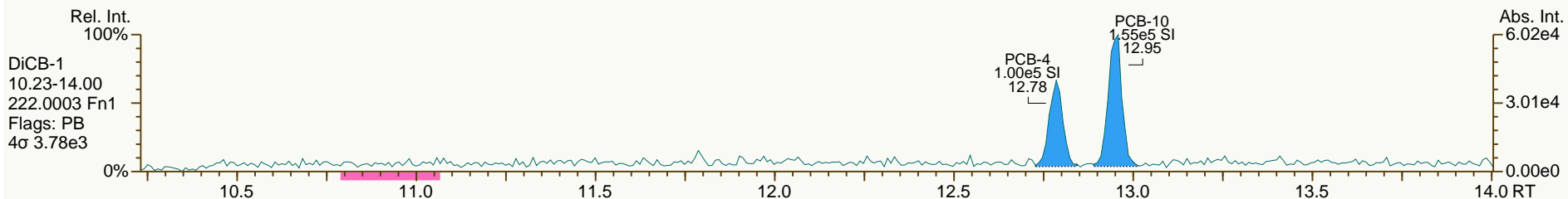
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

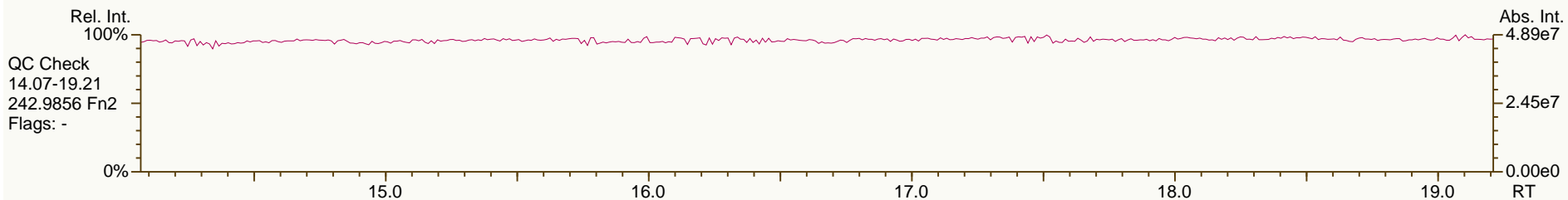
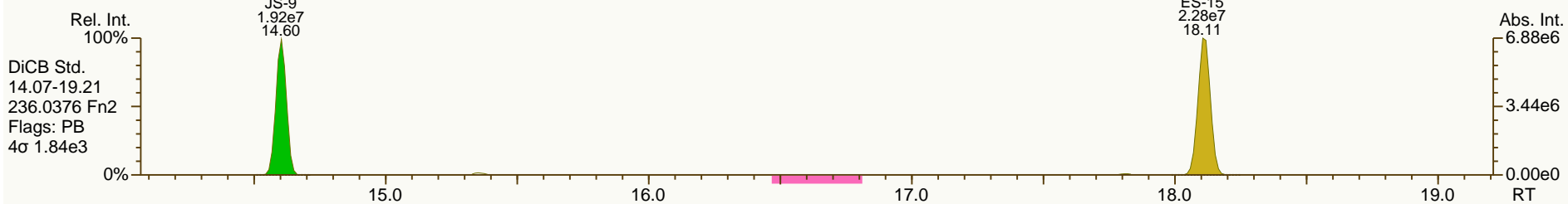
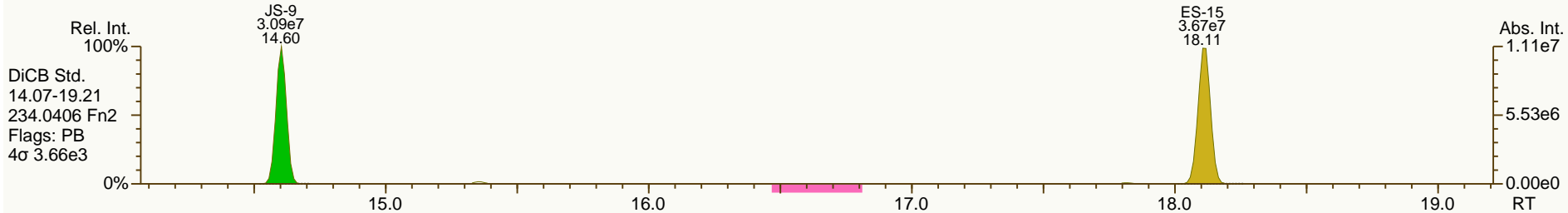
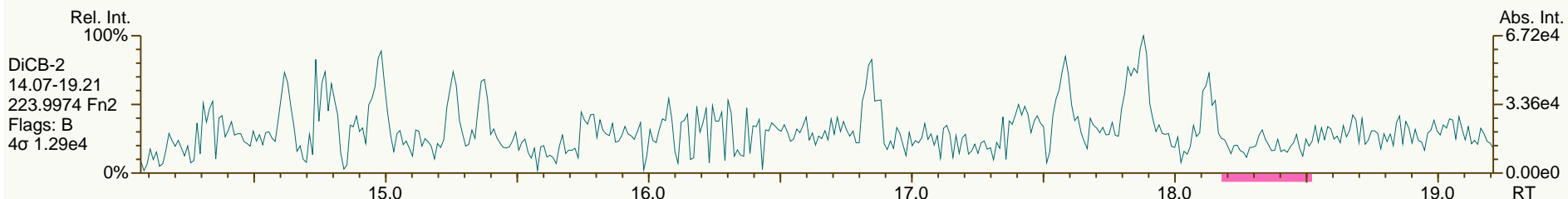
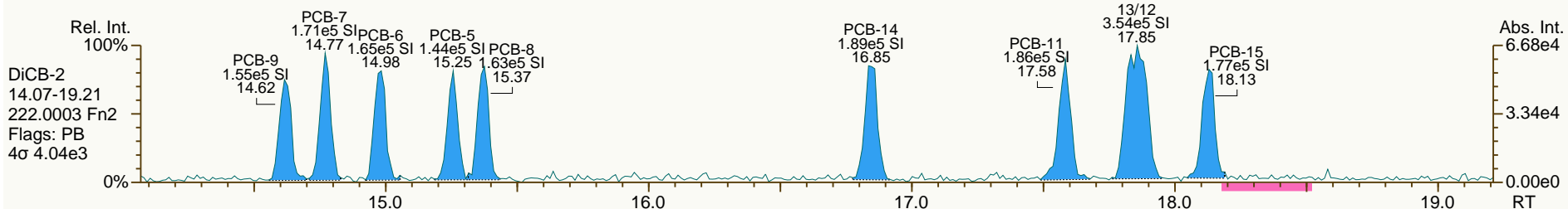
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

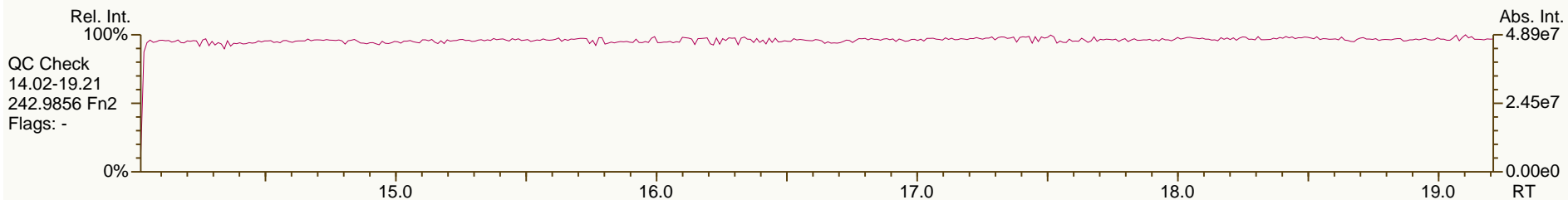
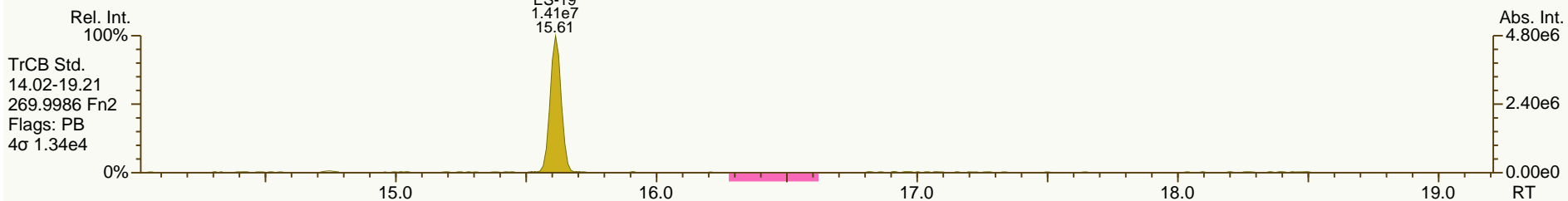
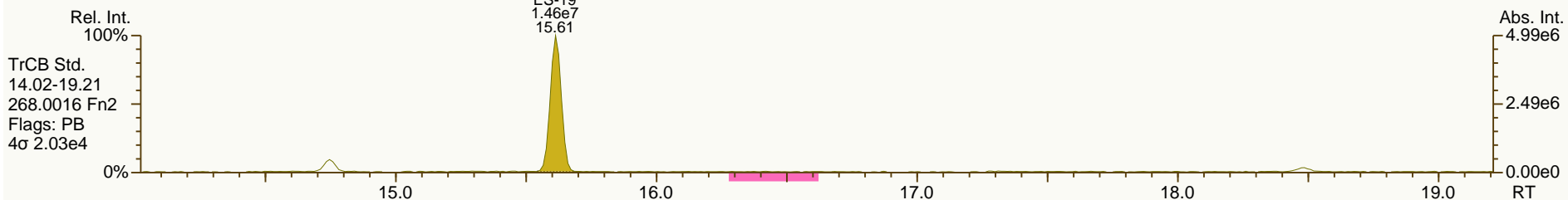
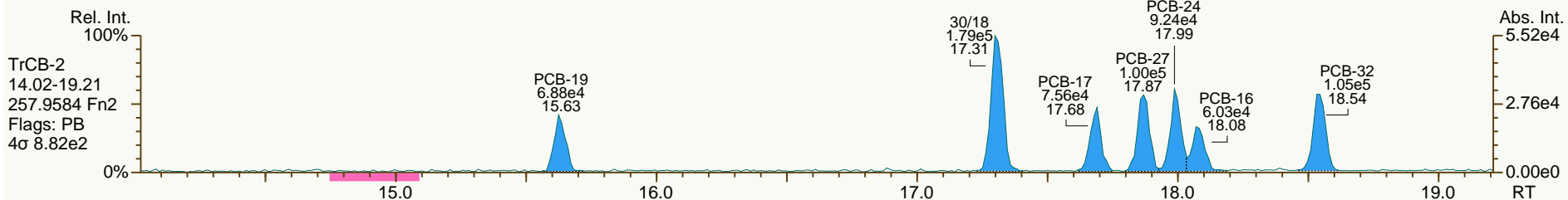
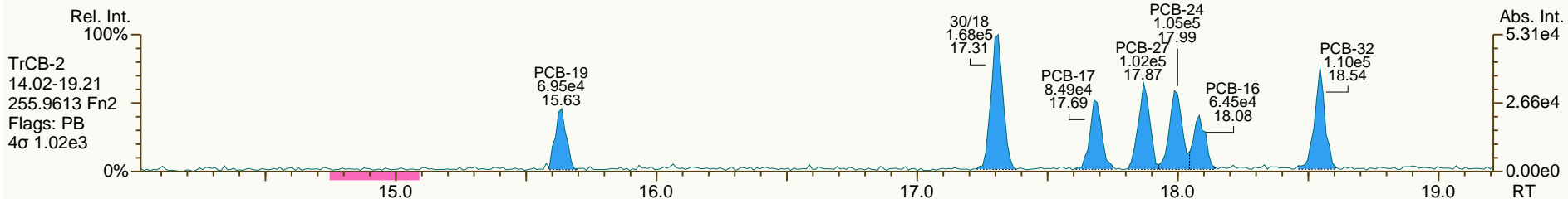
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

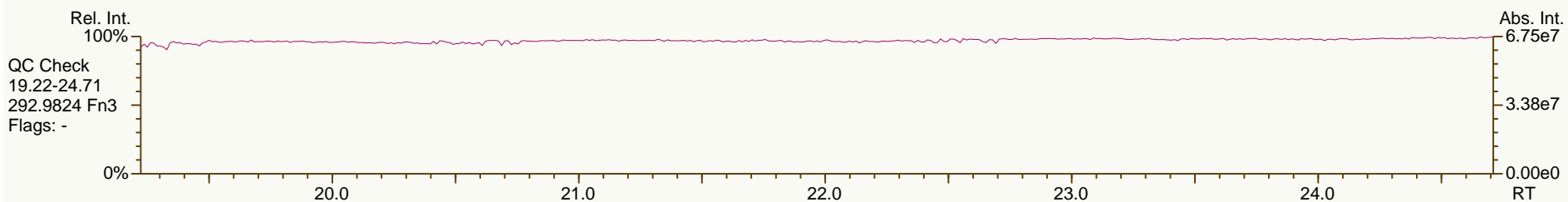
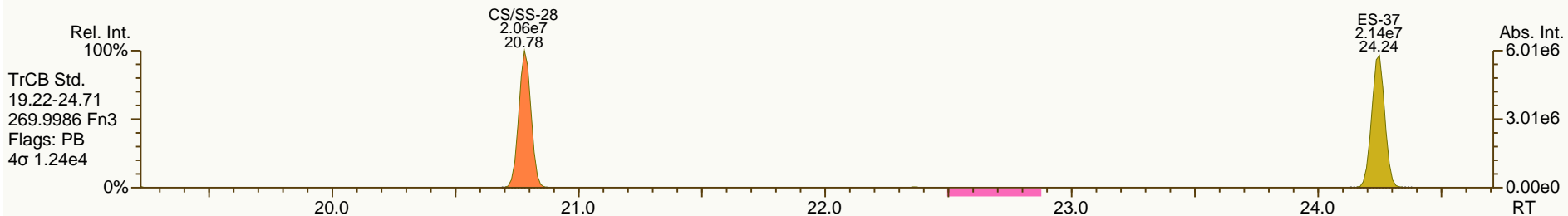
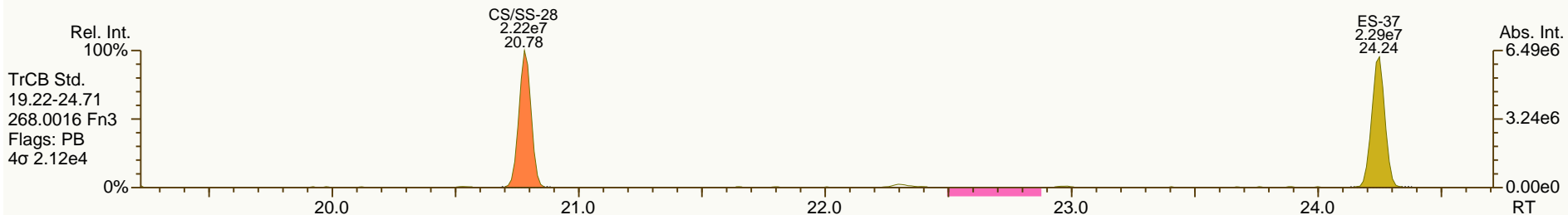
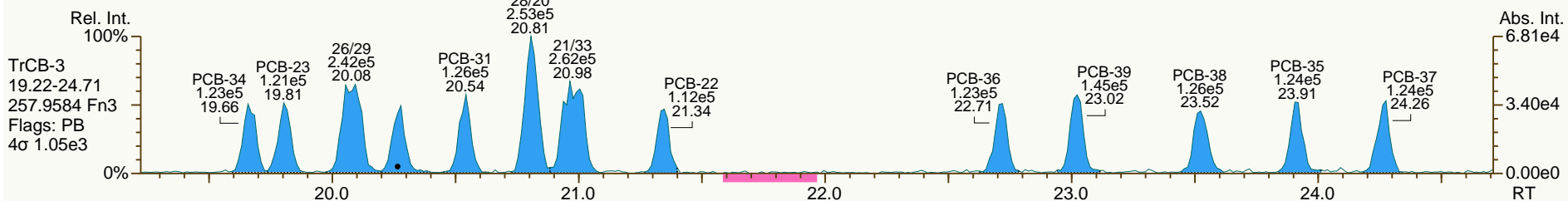
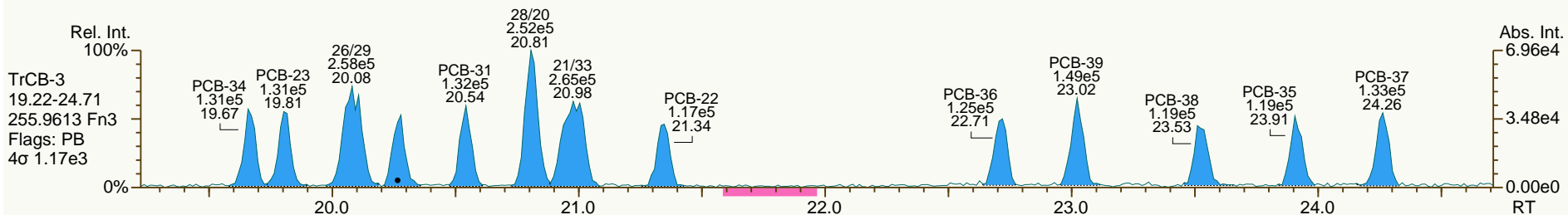
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

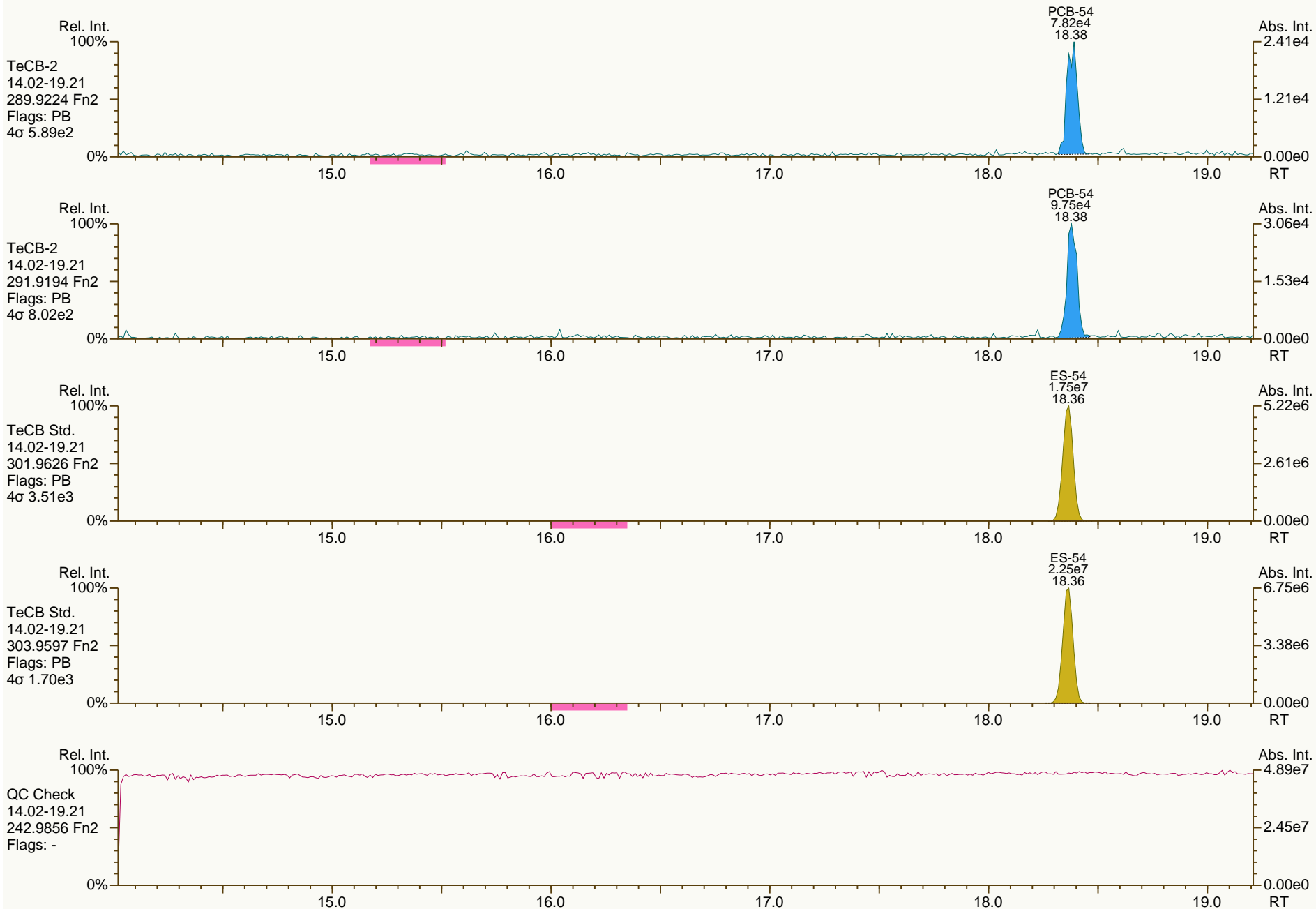
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

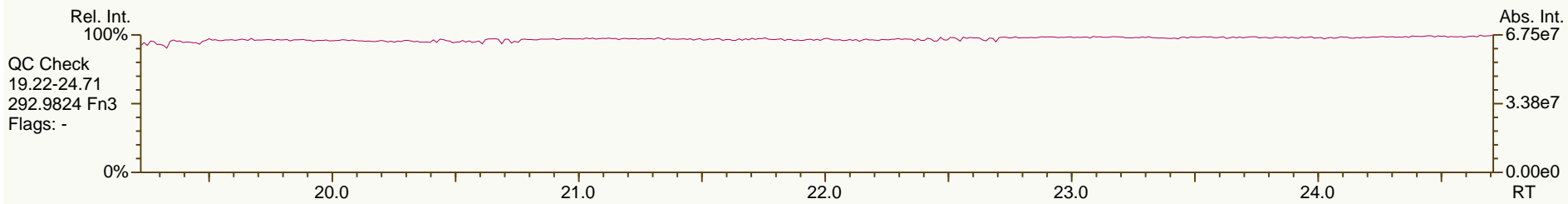
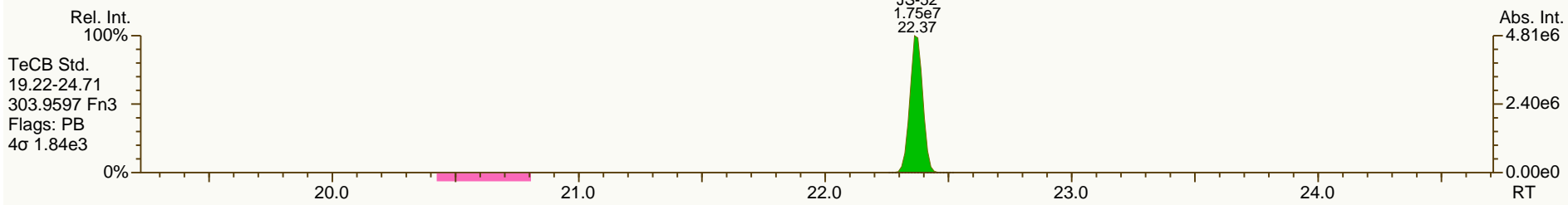
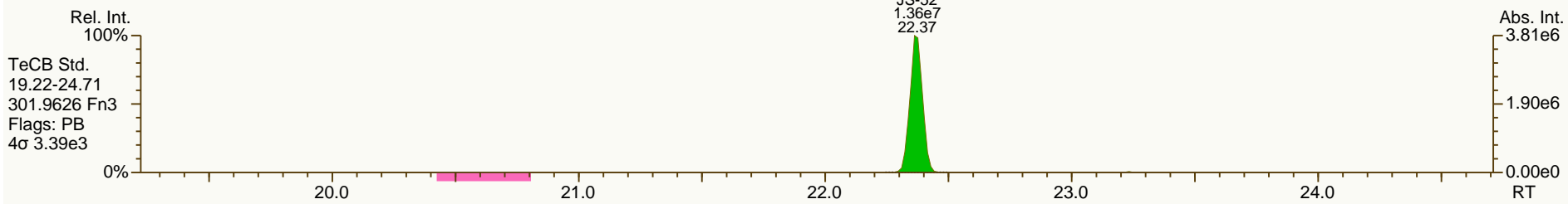
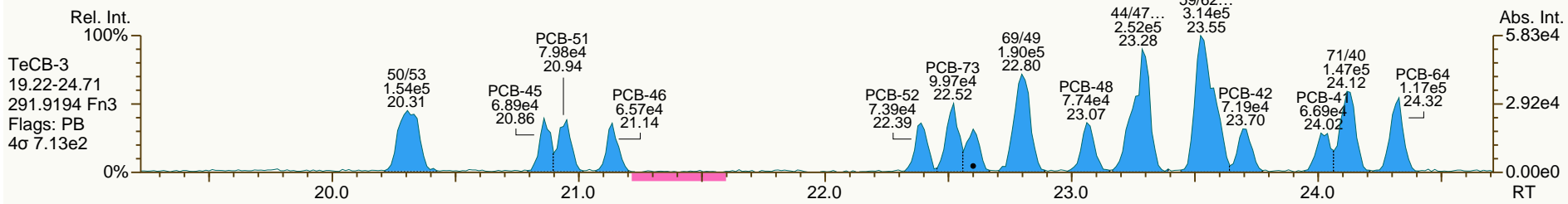
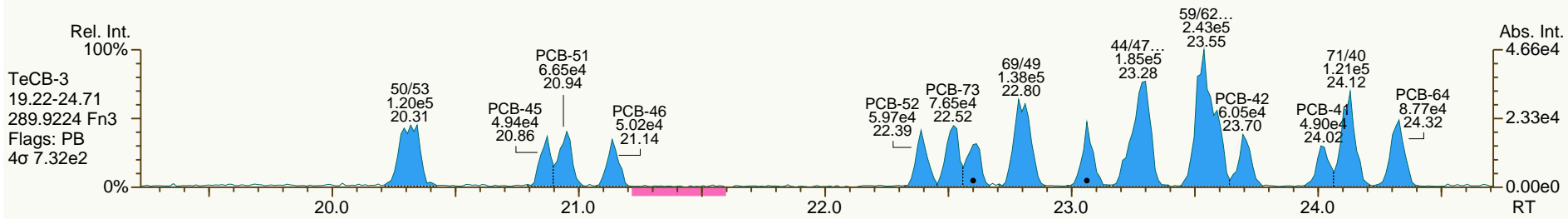
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

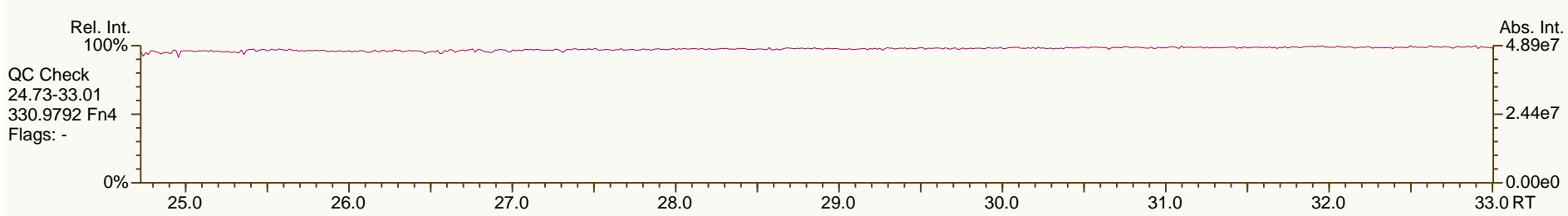
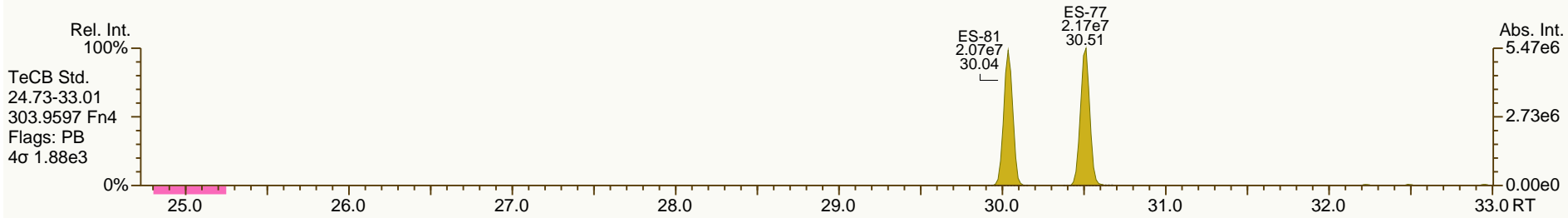
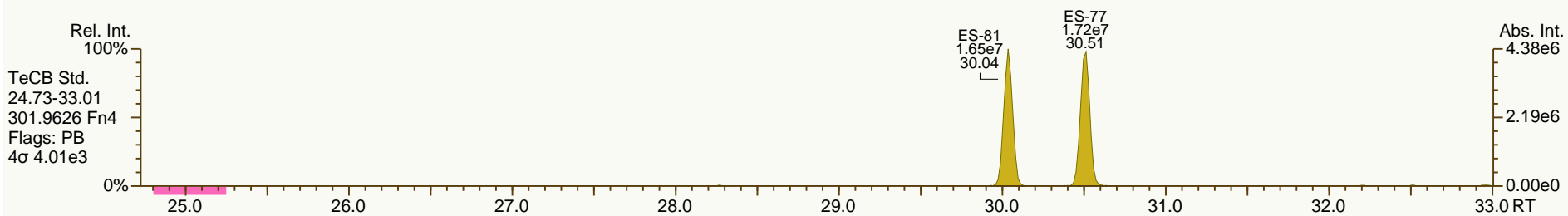
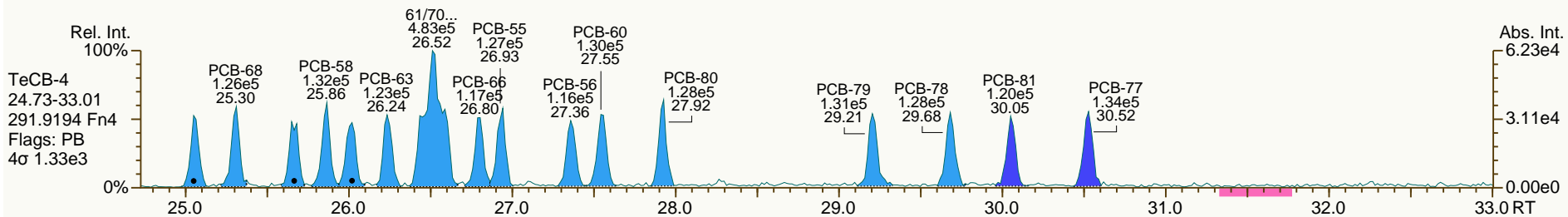
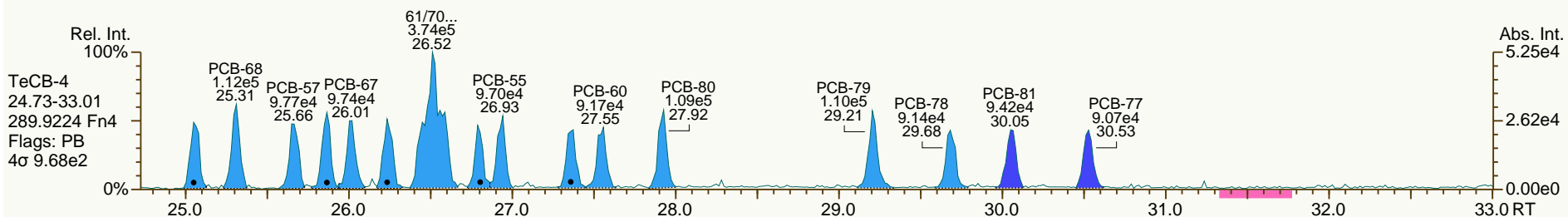
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

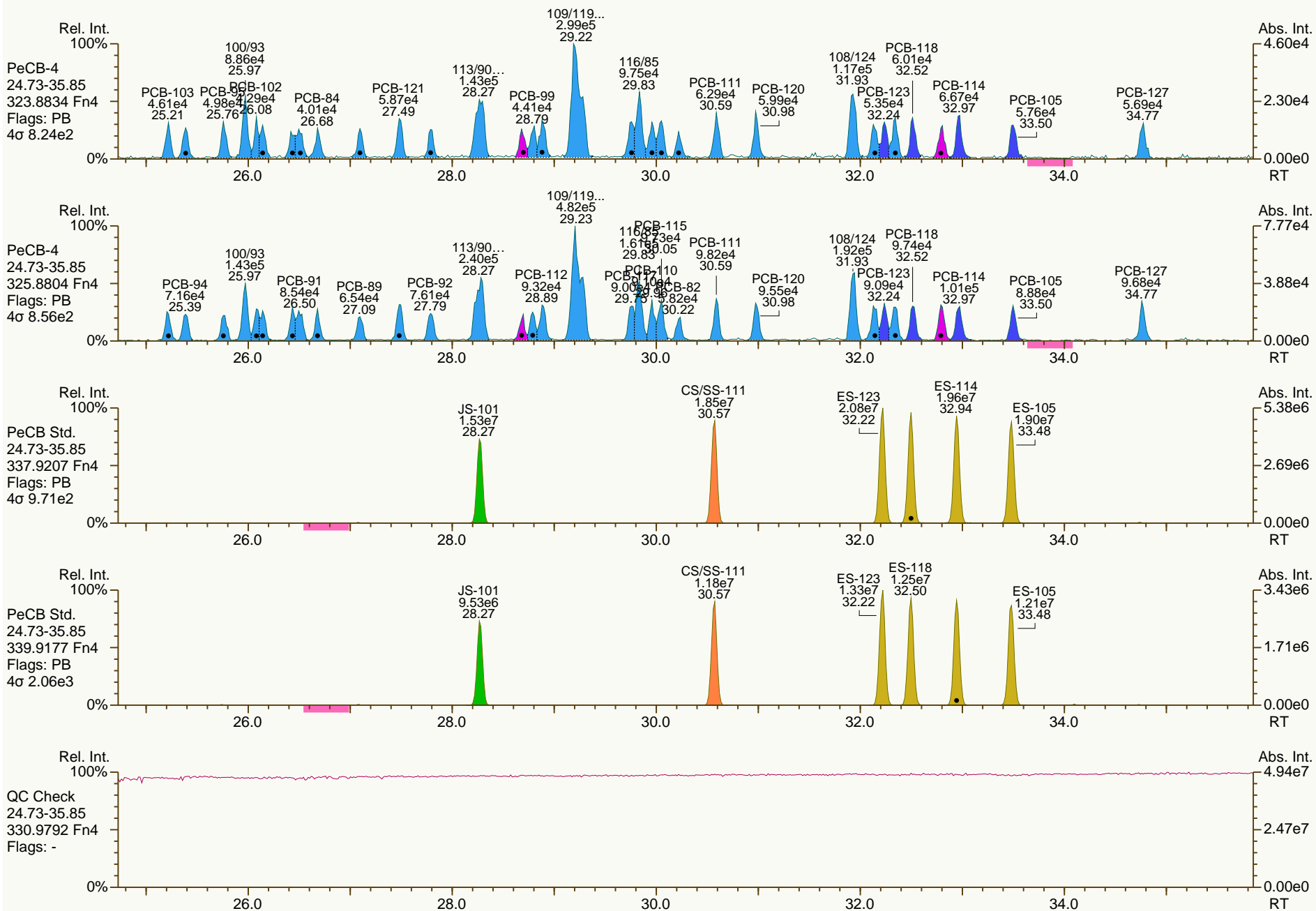
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

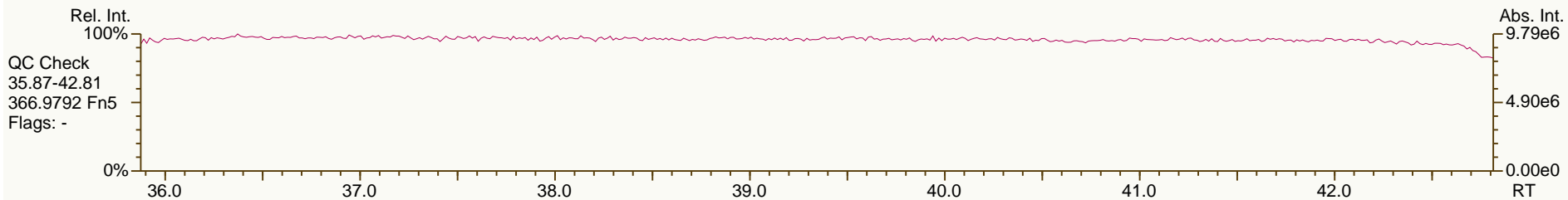
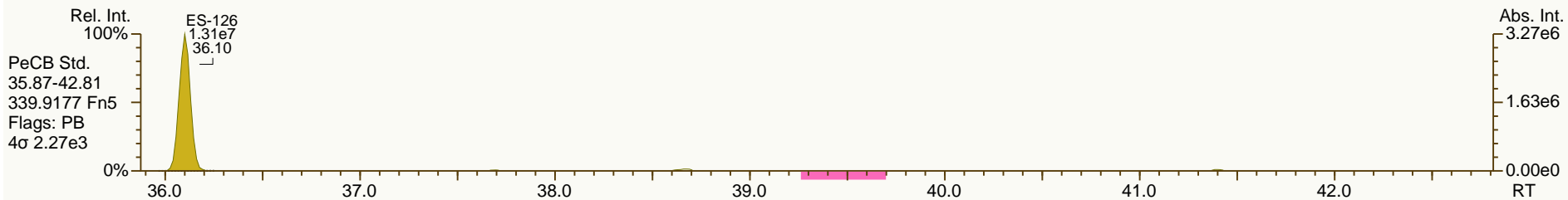
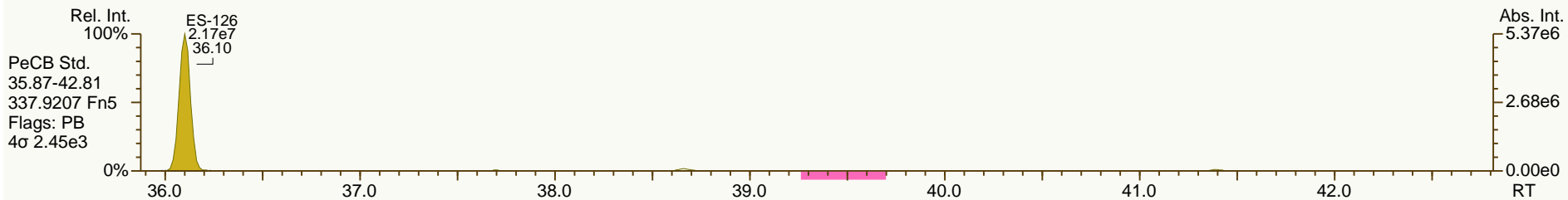
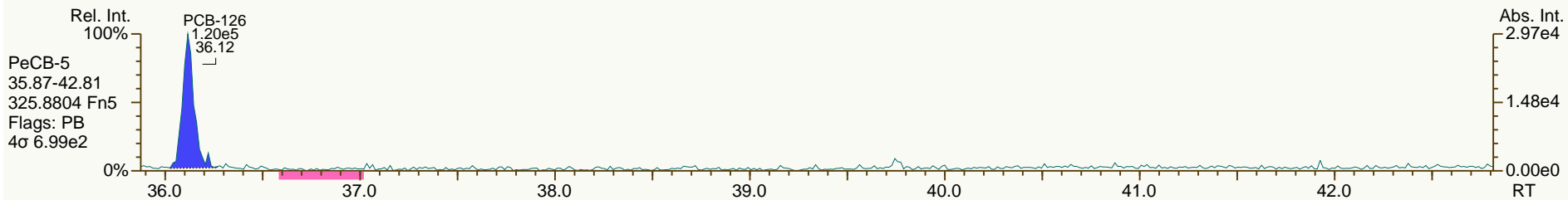
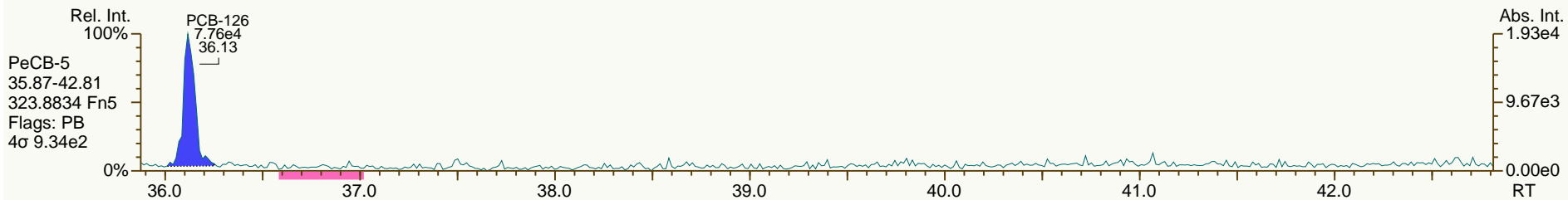
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

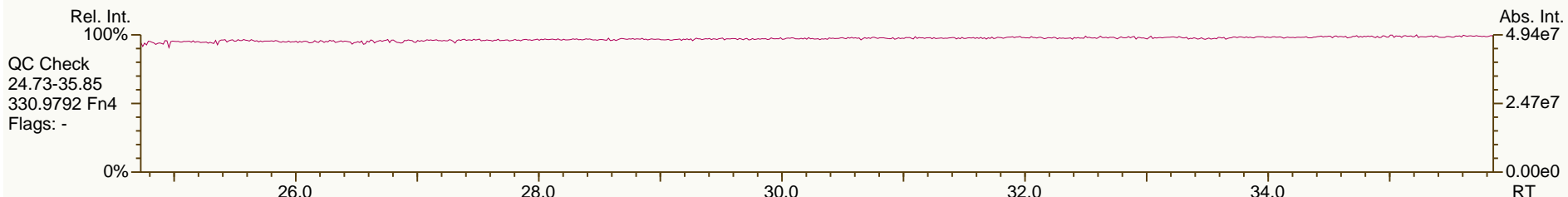
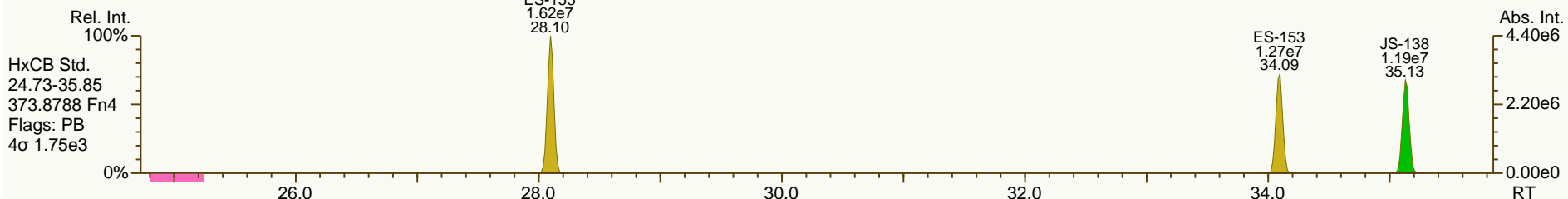
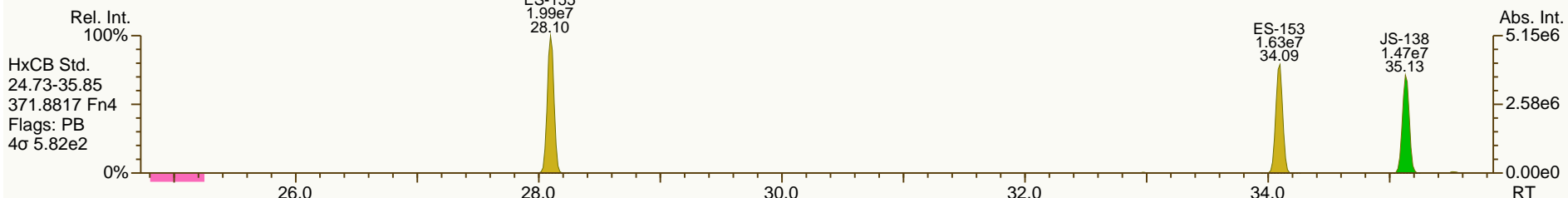
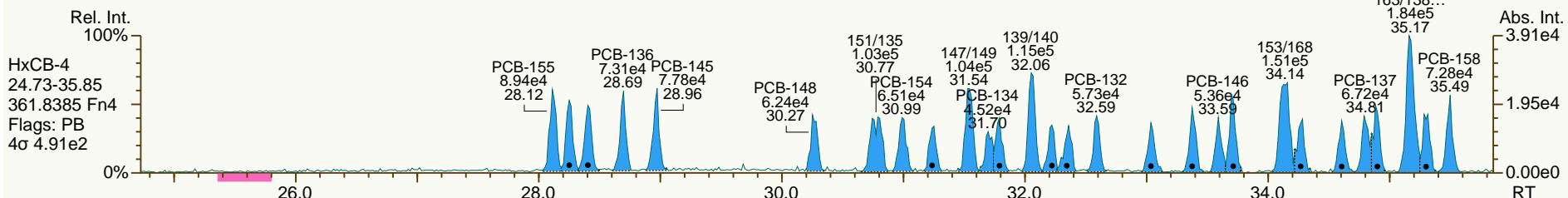
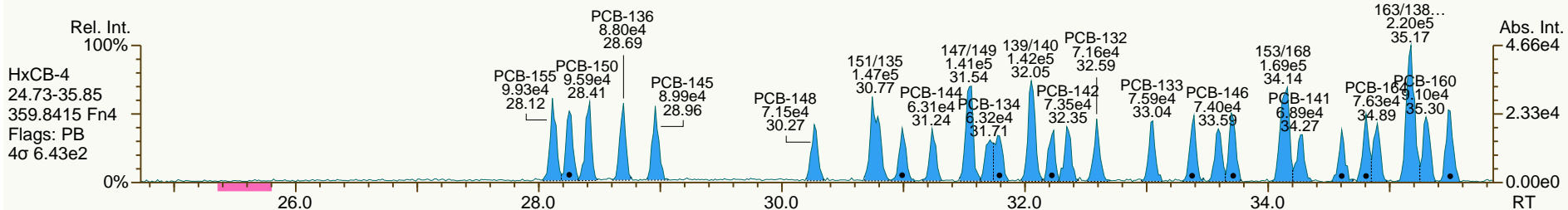
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

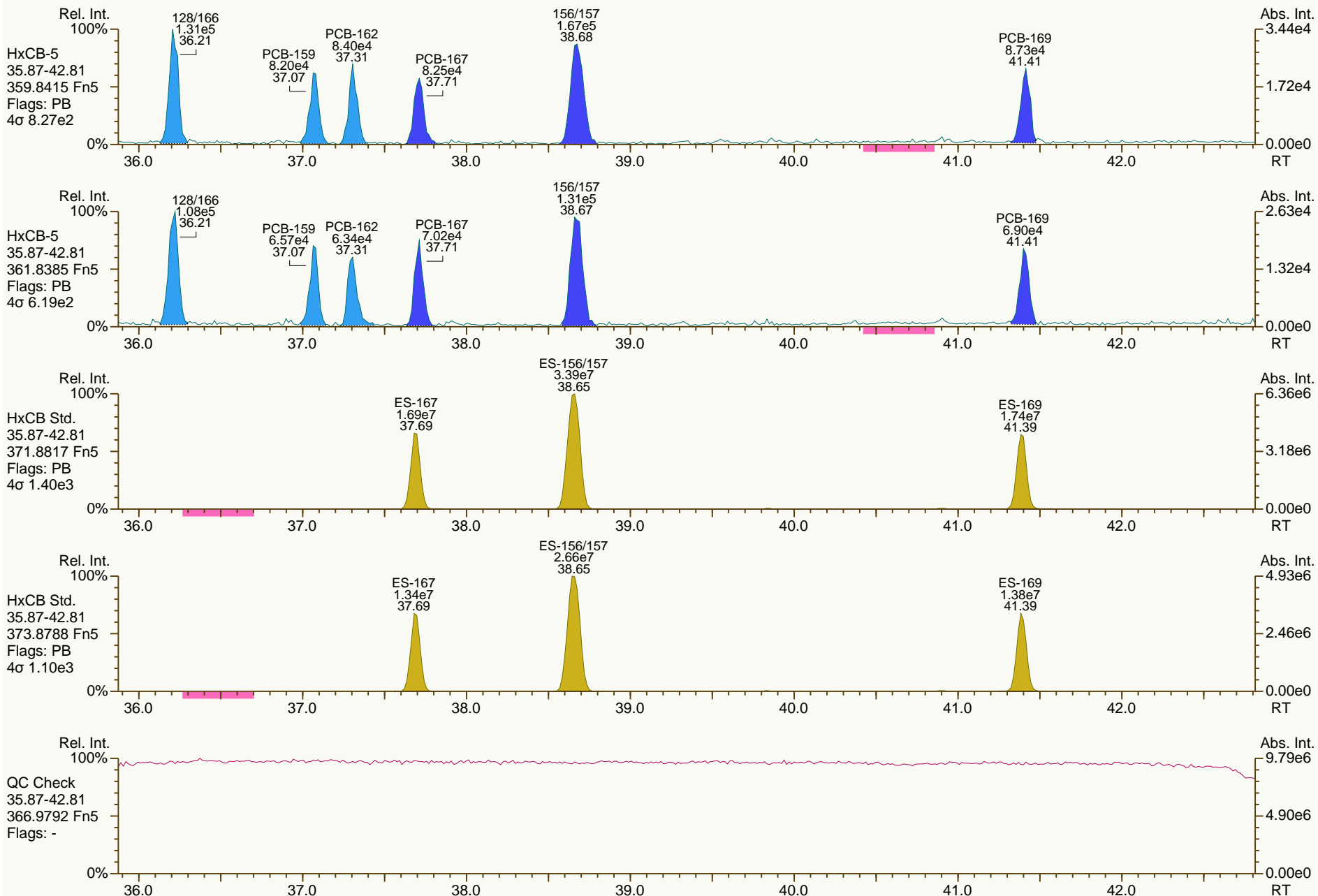
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

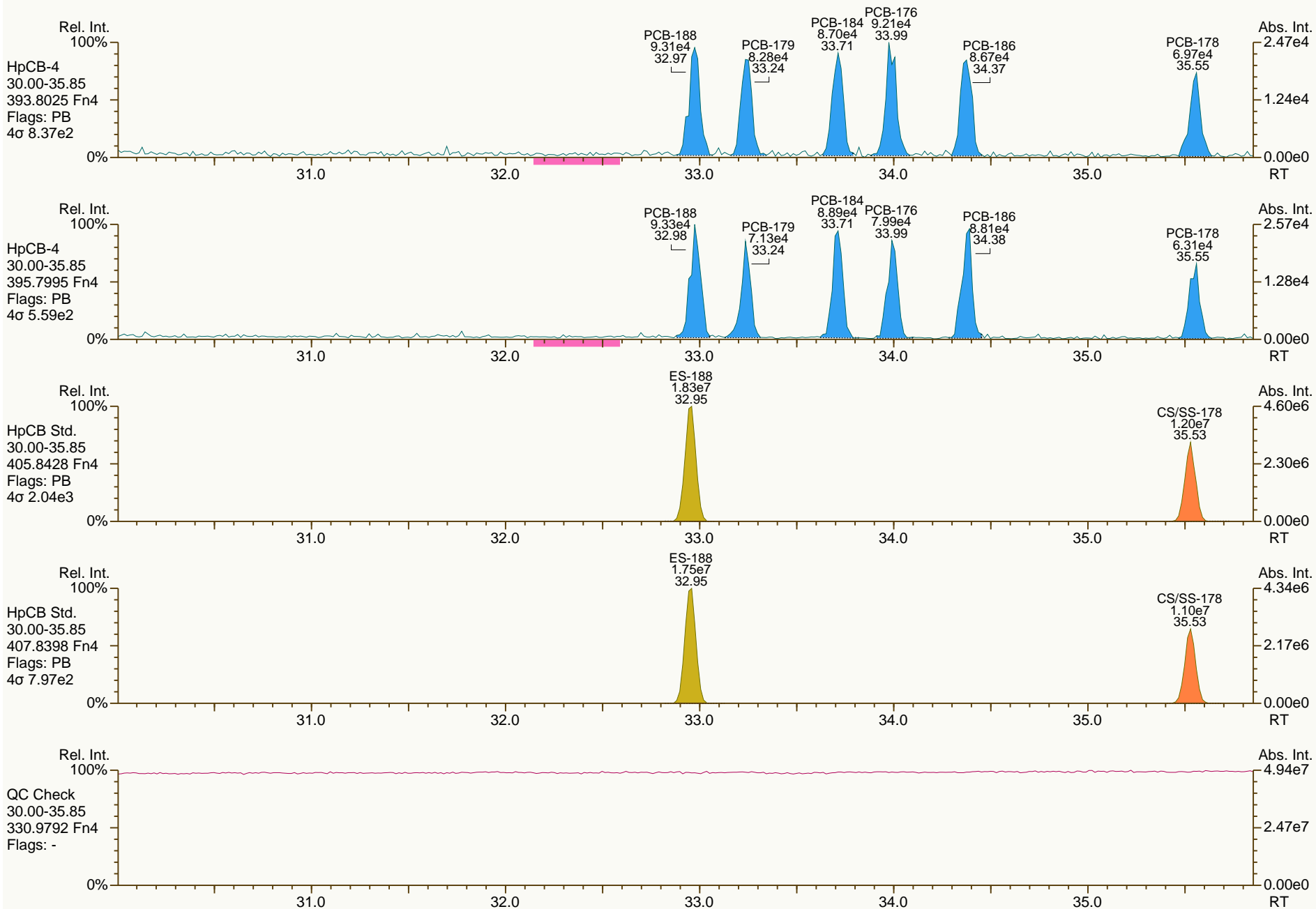
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

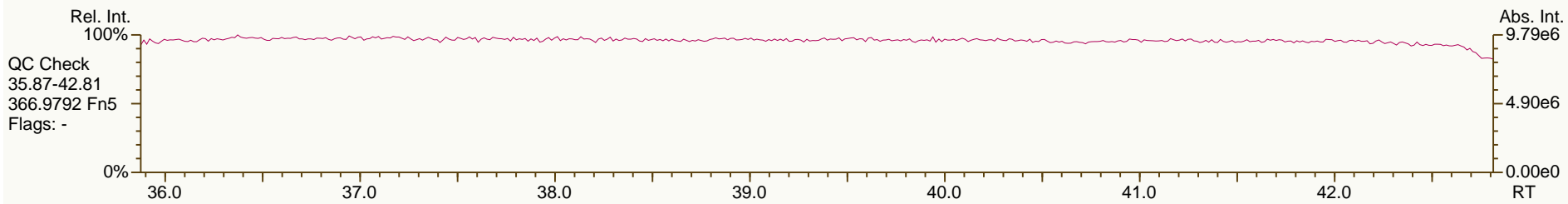
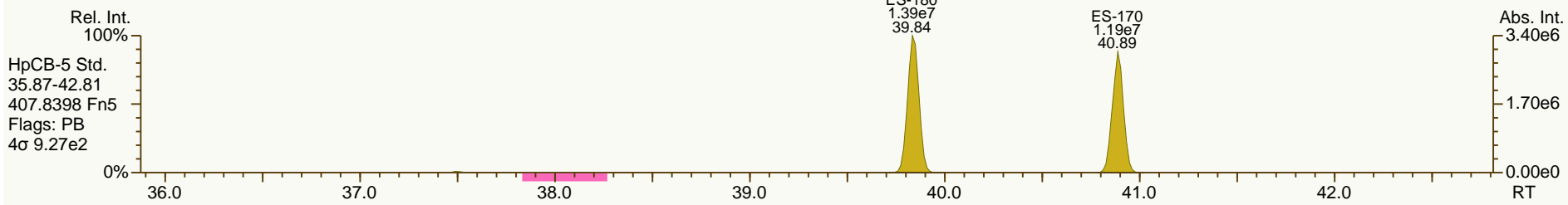
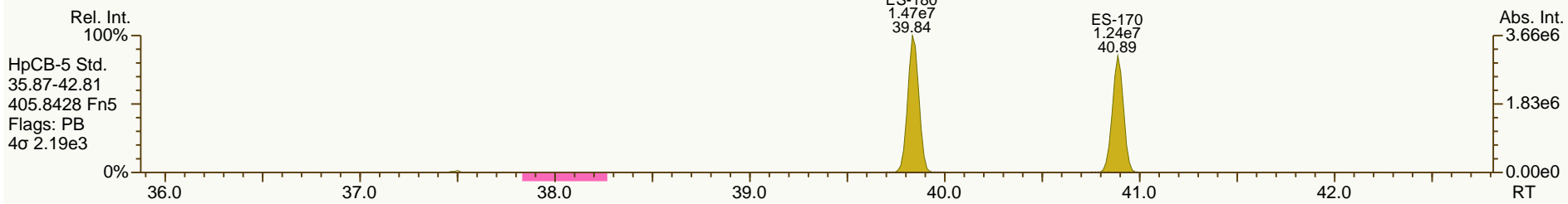
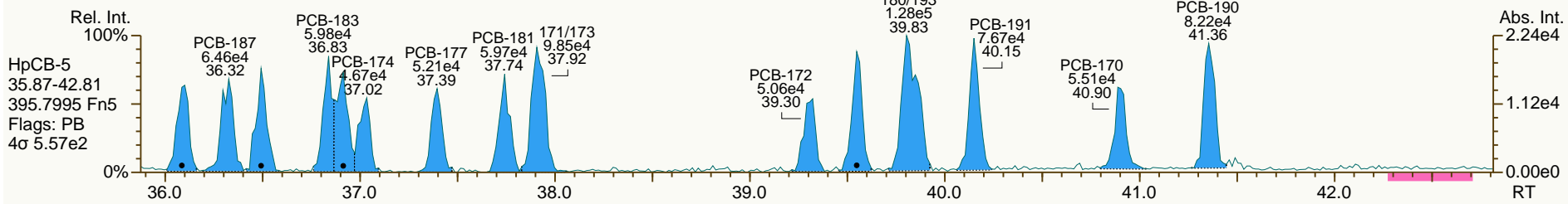
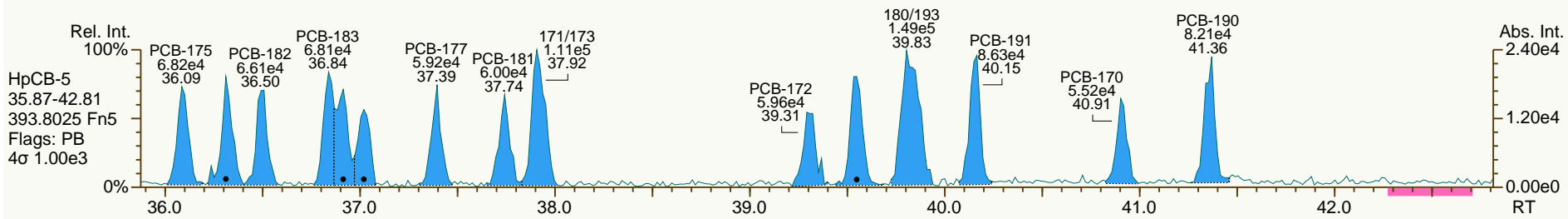
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

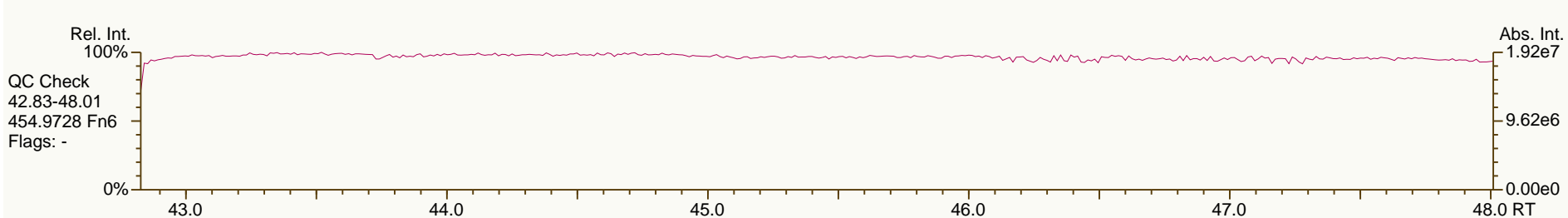
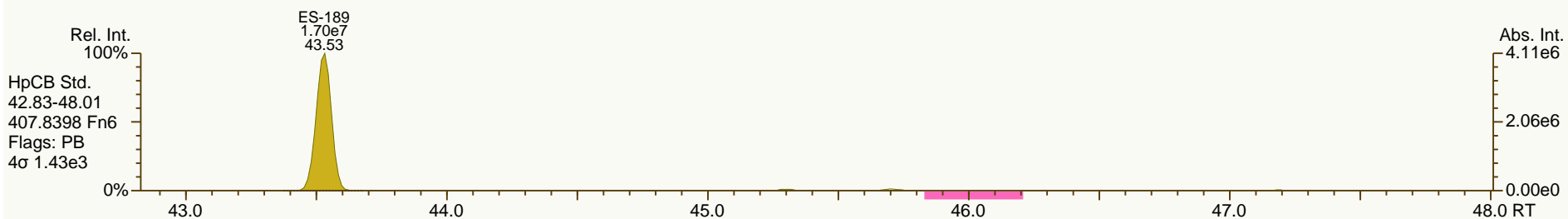
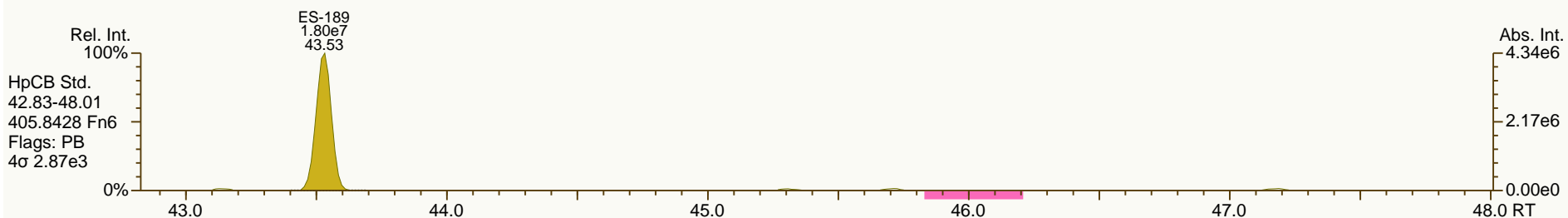
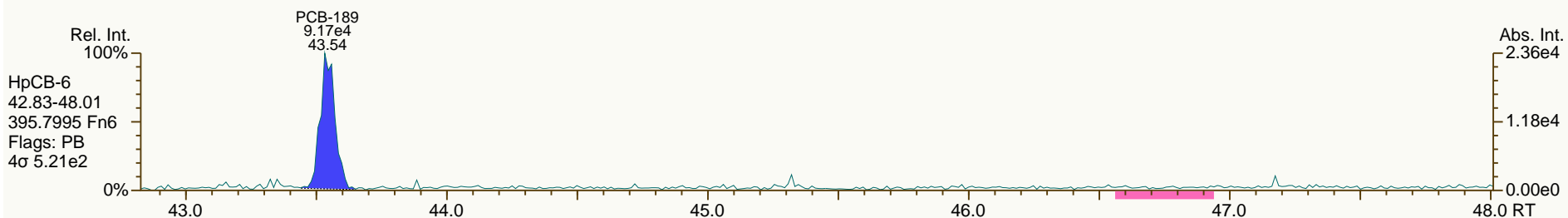
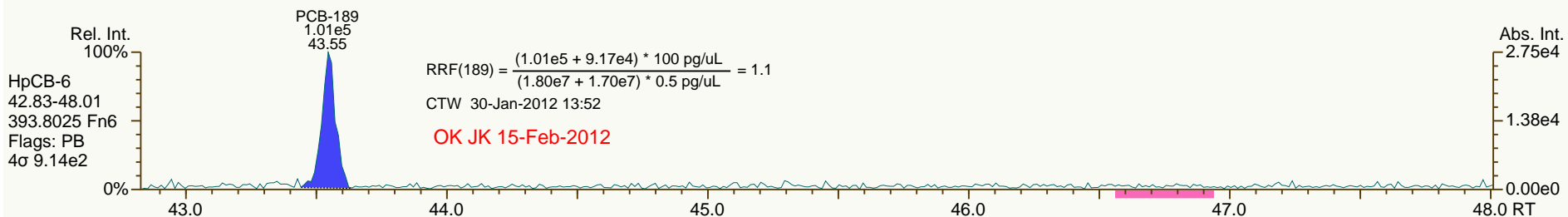
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

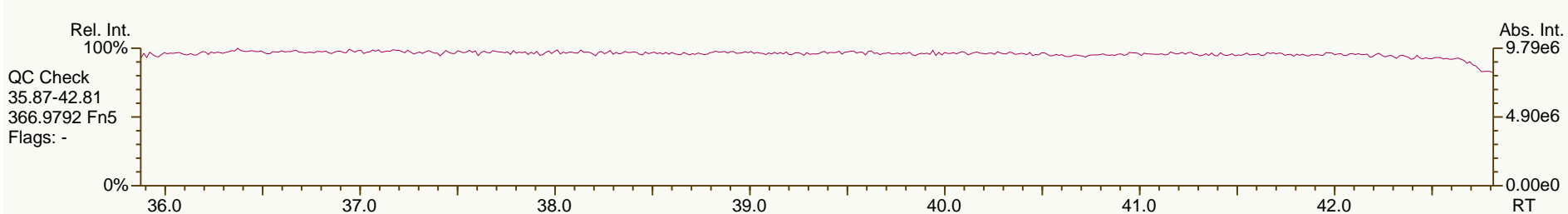
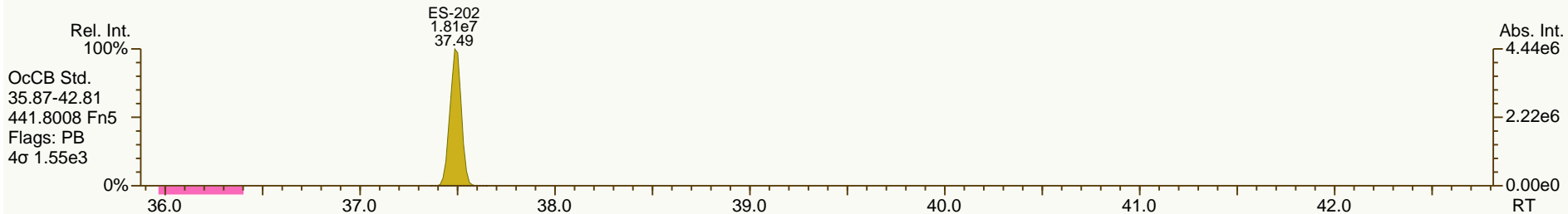
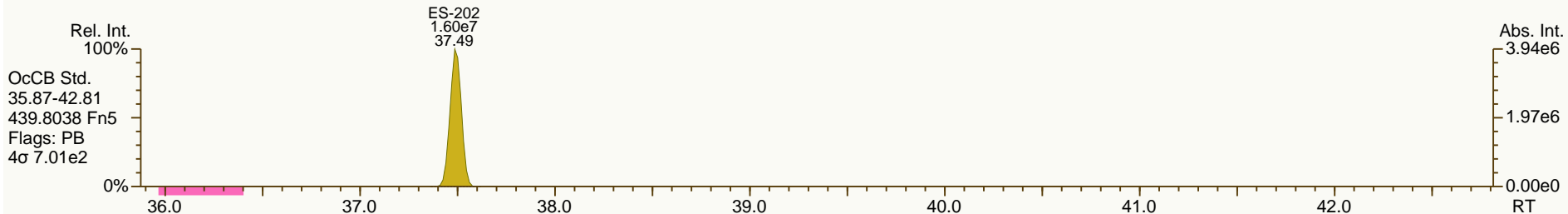
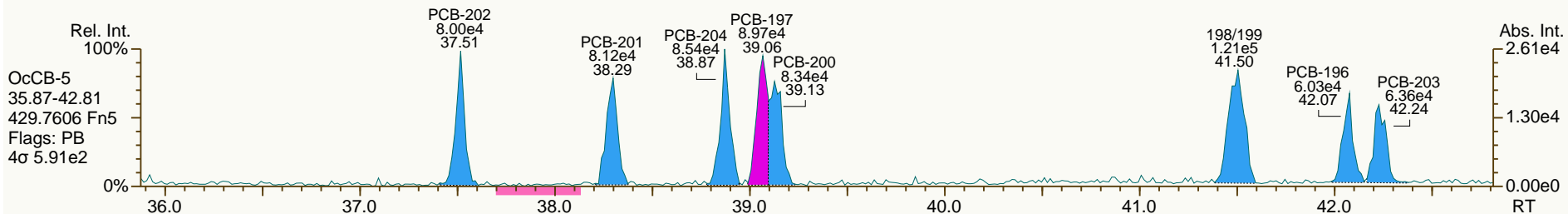
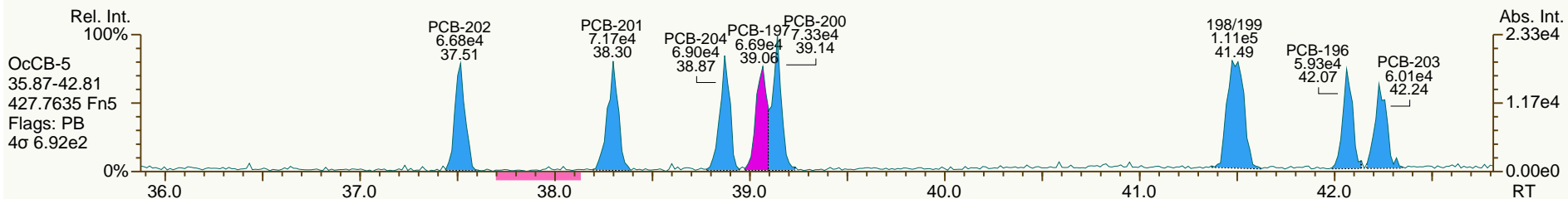
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

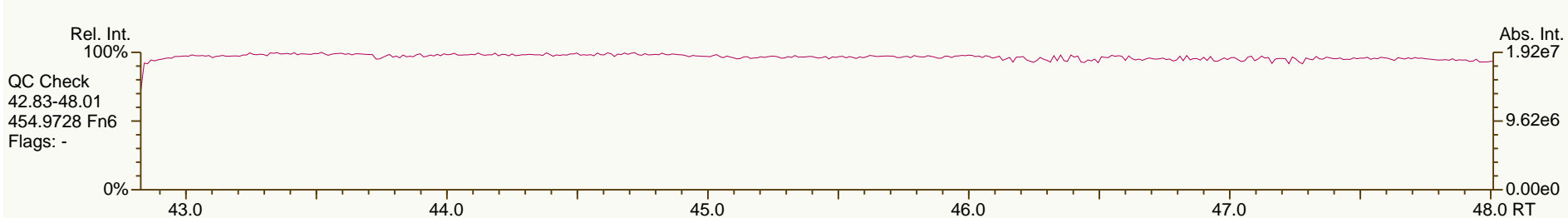
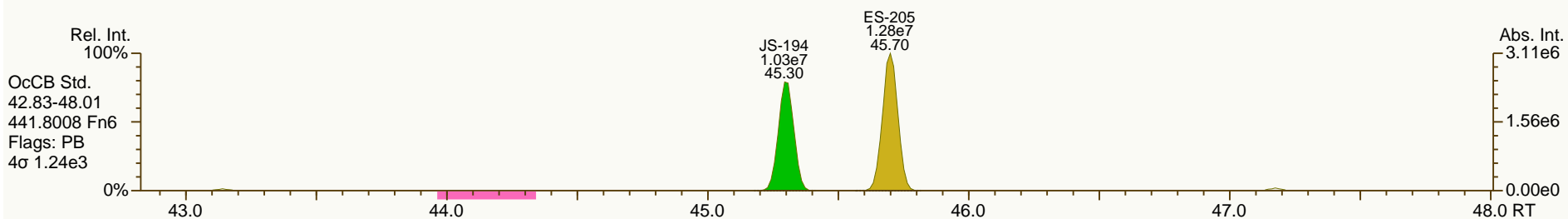
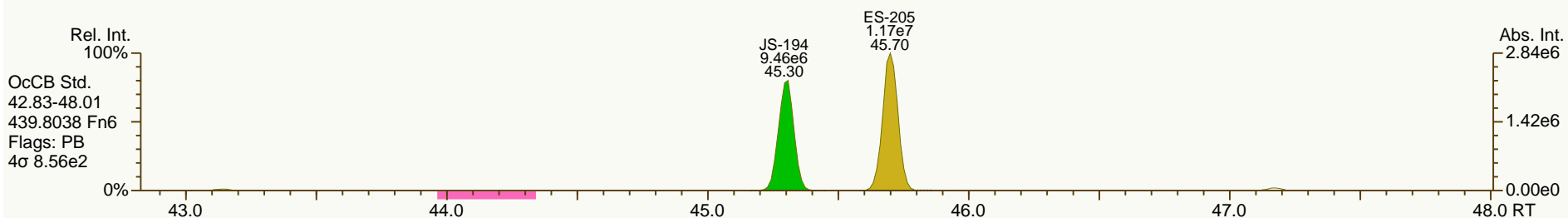
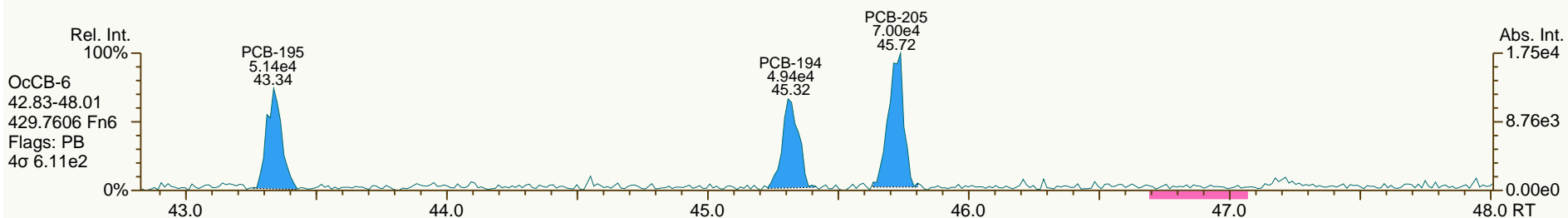
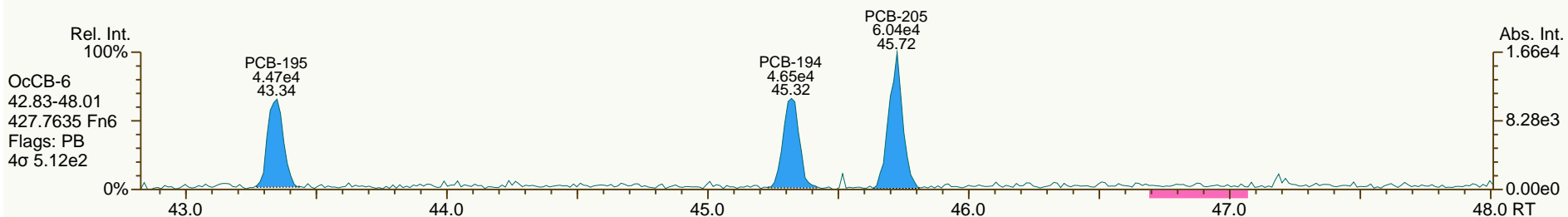
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

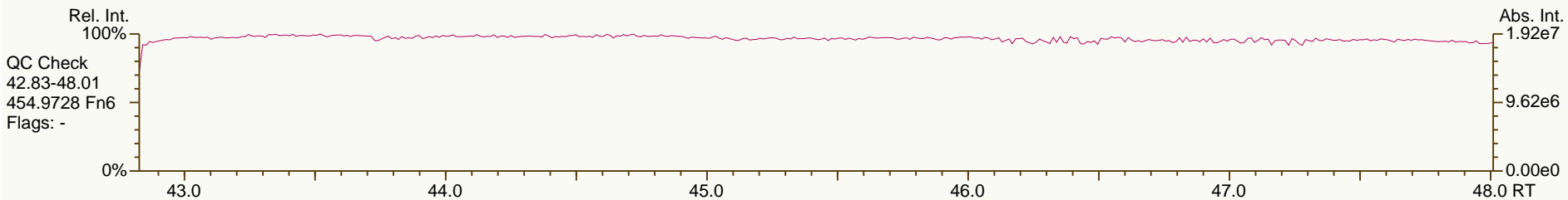
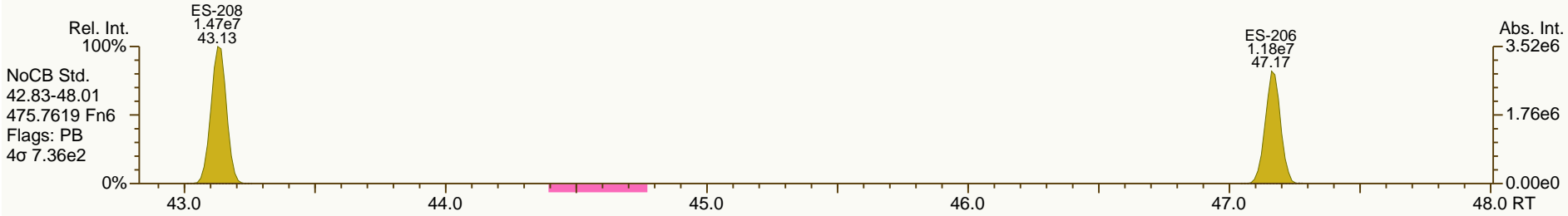
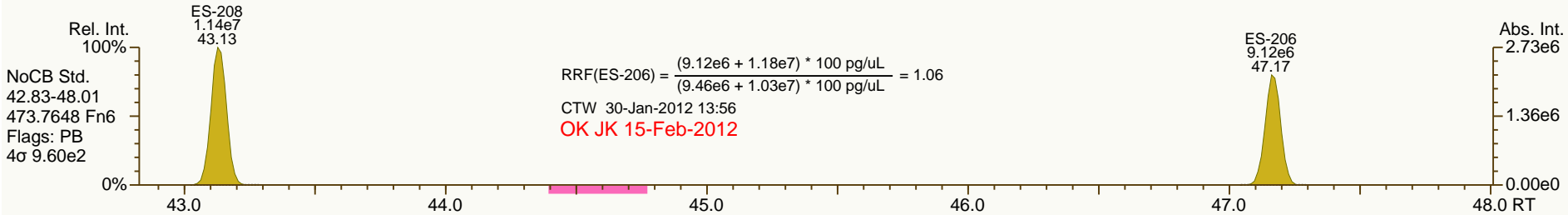
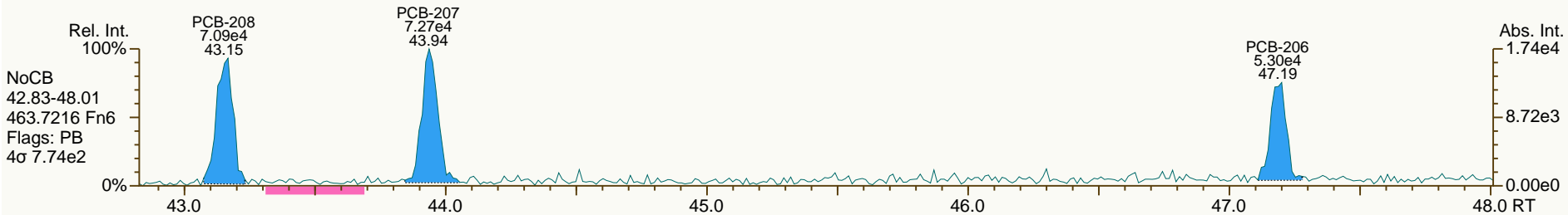
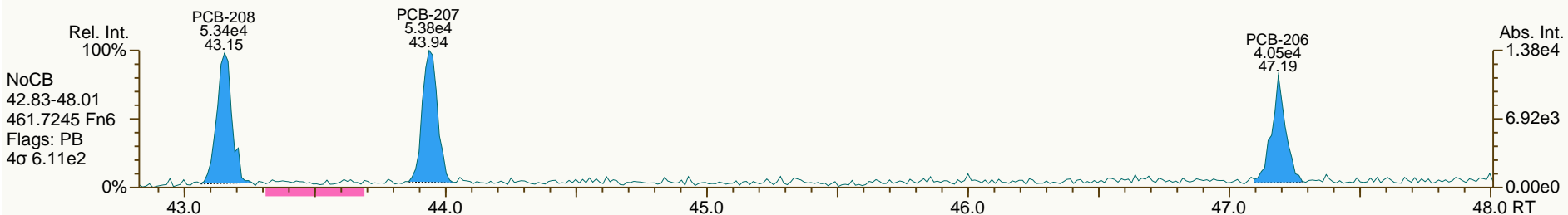
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

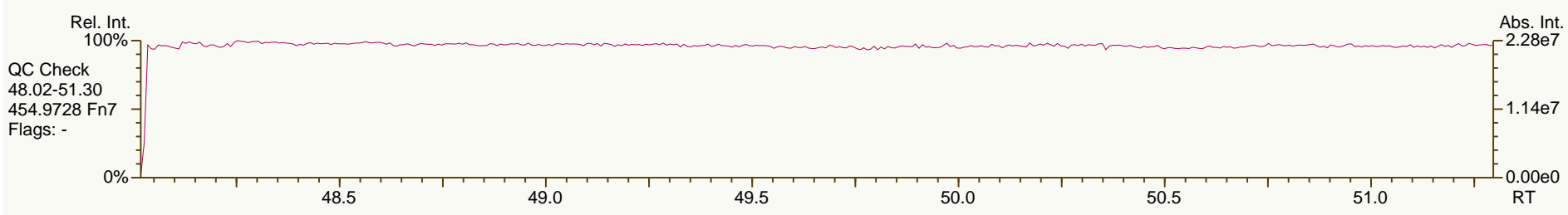
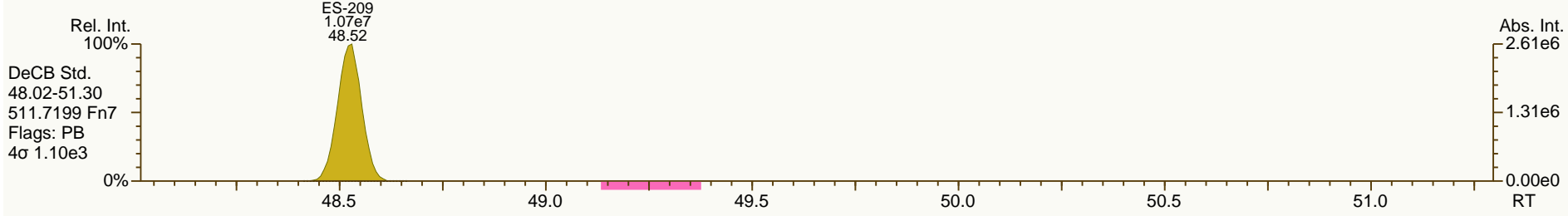
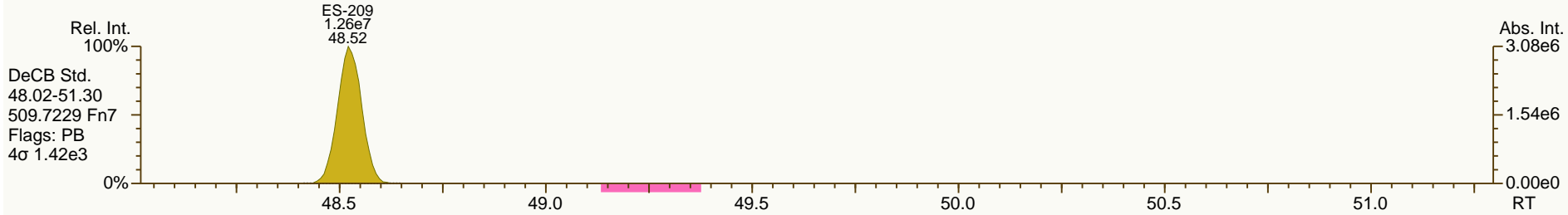
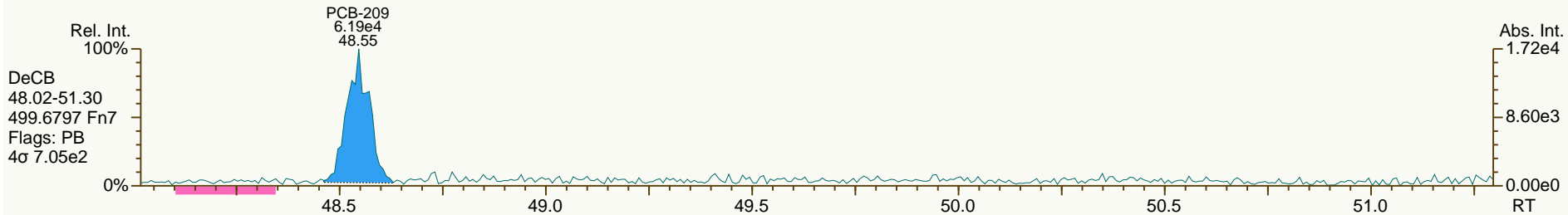
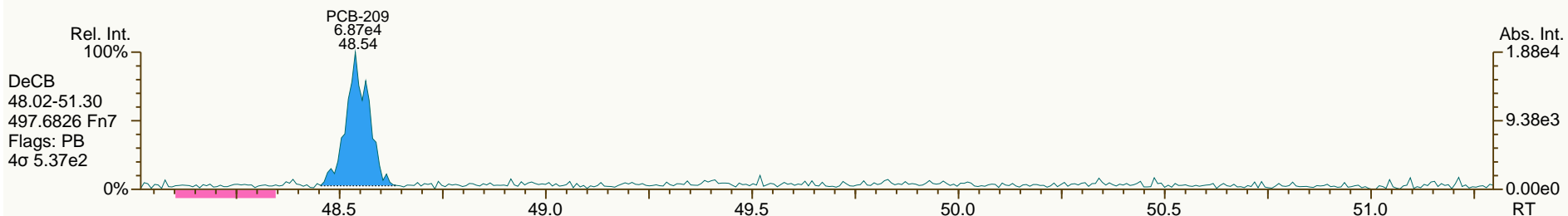
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.52	3.96E+05	0.77 Y	1.22	1.21	-1.6%	
PCB-81 344'5'-TeCB	30.05	3.72E+05	0.72 Y	1.24	1.23	-1.1%	
PCB-105 233'44'-PeCB	33.50	2.55E+05	0.65 Y	1.03	1.01	-1.3%	
PCB-114 2344'5'-PeCB	32.97	2.60E+05	0.69 Y	1.10	1.01	-7.6%	
PCB-118 23'44'5'-PeCB	32.52	2.60E+05	0.65 Y	1.03	0.99	-4.4%	
PCB-123 2'344'5'-PeCB	32.24	2.33E+05	0.64 Y	0.93	0.85	-8.6%	
PCB-126 33'44'5'-PeCB	36.12	3.03E+05	0.64 Y	1.11	1.04	-6.2%	
PCB-156/157 233'44'5'/233'44'5'	38.68	5.10E+05	1.22 Y	1.05	1.02	-2.1%	
PCB-167 23'44'55'-HxCB	37.71	2.53E+05	1.19 Y	1.08	1.01	-7.0%	
PCB-169 33'44'55'-HxCB	41.41	2.52E+05	1.24 Y	1.04	0.99	-5.2%	
PCB-189 233'44'55'-HpCB	43.55	2.84E+05	1.06 Y	1.11	1.00	-9.8%	
PCB-209 DeCB	48.54	1.89E+05	1.22 Y	1.05	1.00	-5.0%	
ES PCB-1	10.49	4.08E+07	3.12 Y	1.01	1.01	-0.5%	
ES PCB-3	12.54	4.21E+07	3.21 Y	1.05	1.04	-1.1%	
ES PCB-4	12.77	2.83E+07	1.56 Y	0.70	0.70	0.2%	
ES PCB-15	18.11	4.74E+07	1.60 Y	1.17	1.17	0.0%	
ES PCB-19	15.61	2.29E+07	1.04 Y	0.57	0.57	-0.1%	
ES PCB-37	24.24	3.61E+07	1.08 Y	1.41	1.44	2.2%	
ES PCB-54	18.36	3.27E+07	0.77 Y	1.32	1.31	-1.0%	
ES PCB-77	30.51	3.28E+07	0.81 Y	1.22	1.31	7.8%	
ES PCB-81	30.03	3.02E+07	0.80 Y	1.15	1.21	5.1%	
ES PCB-104	23.19	3.37E+07	1.51 Y	1.69	1.68	-0.6%	
ES PCB-105	33.48	2.51E+07	1.58 Y	1.21	1.25	3.6%	
ES PCB-114	32.94	2.57E+07	1.60 Y	1.23	1.28	3.6%	
ES PCB-118	32.49	2.63E+07	1.56 Y	1.25	1.31	4.8%	
ES PCB-123	32.21	2.75E+07	1.58 Y	1.33	1.37	3.2%	
ES PCB-126	36.10	2.90E+07	1.61 Y	1.36	1.44	6.4%	
ES PCB-153	34.09	2.37E+07	1.26 Y	1.09	1.08	-0.9%	
ES PCB-155	28.10	3.02E+07	1.24 Y	1.40	1.37	-2.6%	
ES PCB-156/157	38.65	4.99E+07	1.26 Y	1.13	1.13	-0.3%	
ES PCB-167	37.69	2.52E+07	1.24 Y	1.13	1.14	0.9%	
ES PCB-169	41.39	2.54E+07	1.23 Y	1.14	1.15	0.8%	
ES PCB-170	40.89	1.95E+07	1.06 Y	1.23	1.25	1.3%	
ES PCB-180	39.84	2.30E+07	1.09 Y	1.46	1.47	0.4%	
ES PCB-188	32.95	2.91E+07	1.06 Y	1.34	1.32	-1.6%	
ES PCB-189	43.53	2.83E+07	1.05 Y	1.77	1.81	2.4%	
ES PCB-202	37.49	2.80E+07	0.92 Y	1.27	1.27	-0.2%	
ES PCB-205	45.70	2.00E+07	0.88 Y	1.25	1.27	2.0%	
ES PCB-206	47.17	1.67E+07	0.80 Y	1.07	1.06	-0.3%	
ES PCB-208	43.13	2.11E+07	0.78 Y	1.34	1.35	0.7%	
ES PCB-209	48.53	1.89E+07	1.19 Y	1.18	1.21	2.0%	

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	3.42E+07	1.08 Y	0.98	0.95	-3.3%	
SS PCB-111	30.57	2.43E+07	1.55 Y	0.90	0.88	-1.5%	
SS PCB-178	35.53	1.93E+07	1.08 Y	0.65	0.66	2.4%	
CS PCB-28	20.78	3.42E+07	1.08 Y	1.39	1.37	-1.1%	
CS PCB-111	30.57	2.43E+07	1.55 Y	1.19	1.21	1.7%	
CS PCB-178	35.53	1.93E+07	1.08 Y	0.87	0.88	0.9%	
JS PCB-9	14.60	4.04E+07	1.61 Y	-	-	-	
JS PCB-52	22.37	2.50E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	2.01E+07	1.57 Y	-	-	-	
JS PCB-138	35.13	2.21E+07	1.32 Y	-	-	-	
JS PCB-194	45.30	1.57E+07	0.89 Y	-	-	-	
PCB-1 2-MoCB	10.50	4.84E+05	3.24 Y	1.20	1.19	-1.0%	
PCB-3 4-MoCB	12.56	4.64E+05	3.04 Y	1.13	1.10	-2.6%	
PCB-4 22'-DiCB	12.78	2.44E+05	0.00 S	0.94	0.86	-8.6%	
PCB-15 44'-DiCB	18.12	4.44E+05	0.00 S	1.01	0.94	-6.8%	
PCB-19 22'6'-TrCB	15.63	2.33E+05	1.18 Y	1.01	1.02	0.5%	
PCB-37 344'-TrCB	24.26	4.17E+05	1.16 Y	1.20	1.16	-3.4%	
PCB-54 22'66'-TeCB	18.38	2.93E+05	0.76 Y	0.93	0.90	-3.9%	
PCB-104 22'466'-PeCB	23.21	2.94E+05	0.67 Y	0.92	0.87	-4.8%	
PCB-153 22'44'55' -HxCB	34.13	5.36E+05	1.28 Y	1.15	1.13	-1.6%	
PCB-155 22'44'66'-HxCB	28.12	3.01E+05	1.22 Y	1.06	1.00	-5.6%	
PCB-170 22'33'44'5'-HpCB	40.91	1.90E+05	1.02 Y	1.00	0.97	-2.9%	
PCB-180 22'344'55'-HpCB	39.83	4.39E+05	0.94 Y	1.01	0.95	-6.0%	
PCB-188 22'34'566'-HpCB	32.97	2.94E+05	0.98 Y	1.07	1.01	-5.2%	
PCB-202 22'33'55'66'-OcCB	37.51	2.11E+05	0.90 Y	0.83	0.75	-8.7%	
PCB-205 233'44'55'6'-OcCB	45.72	2.15E+05	0.98 Y	1.09	1.08	-1.4%	
PCB-208 22'33'455'66'-NoCB	43.15	2.02E+05	0.82 Y	0.98	0.96	-2.1%	
PCB-206 22'33'44'55'6'-NoCB	47.19	1.50E+05	0.81 Y	0.93	0.90	-3.4%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	4.84E+05	3.24 Y	1.20	1.19	-1.0%	
PCB-2 3-MoCB	12.39	4.59E+05	3.08 Y	1.13	1.09	-3.7%	
PCB-3 4-MoCB	12.56	4.64E+05	3.04 Y	1.13	1.10	-2.6%	
PCB-4 22'-DiCB	12.78	2.44E+05	0.00 S	0.94	0.86	-8.6%	
PCB-10 26-DiCB	12.95	3.73E+05	0.00 S	1.43	1.32	-7.9%	
PCB-9 25-DiCB	14.62	3.84E+05	0.00 S	0.87	0.81	-6.6%	
PCB-7 24-DiCB	14.77	4.66E+05	0.00 S	1.00	0.98	-2.1%	
PCB-6 23'-DiCB	14.98	4.16E+05	0.00 S	0.94	0.88	-6.4%	
PCB-5 23-DiCB	15.25	4.21E+05	0.00 S	0.92	0.89	-3.6%	
PCB-8 24'-DiCB	15.37	4.27E+05	0.00 S	0.95	0.90	-5.2%	
PCB-14 35-DiCB	16.84	4.94E+05	0.00 S	1.09	1.04	-4.8%	
PCB-11 33'-DiCB	17.58	4.36E+05	0.00 S	0.98	0.92	-5.7%	
PCB-13/12 34'-/34-DiCB	17.85	8.58E+05	0.00 S	0.97	0.91	-6.7%	
PCB-15 44'-DiCB	18.12	4.44E+05	0.00 S	1.01	0.94	-6.8%	
PCB-19 22'6-TrCB	15.63	2.33E+05	1.18 Y	1.01	1.02	0.5%	
PCB-30/18 246-/22'5-TrCB	17.30	5.51E+05	1.05 Y	1.29	1.20	-7.0%	
PCB-17 22'4-TrCB	17.68	2.45E+05	1.02 Y	1.14	1.07	-5.9%	
PCB-27 23'6-TrCB	17.86	3.21E+05	1.15 Y	1.48	1.40	-5.5%	
PCB-24 236-TrCB	17.99	3.28E+05	1.08 Y	1.43	1.43	-0.1%	
PCB-16 22'3-TrCB	18.07	1.95E+05	1.07 Y	0.89	0.85	-4.9%	
PCB-32 24'6-TrCB	18.54	3.42E+05	0.99 Y	1.56	1.49	-4.2%	
PCB-34 2'35-TrCB	19.66	4.03E+05	1.08 Y	1.18	1.12	-5.2%	
PCB-23 235-TrCB	19.80	4.03E+05	1.09 Y	1.19	1.12	-5.6%	
PCB-26/29 23'5-/245-TrCB	20.08	8.20E+05	1.12 Y	1.20	1.14	-5.2%	
PCB-25 23'4-TrCB	20.27	4.13E+05	1.05 Y	1.19	1.14	-4.0%	
PCB-31 24'5-TrCB	20.54	4.01E+05	1.02 Y	1.23	1.11	-9.3%	
PCB-28/20 244'-/233'-TrCB	20.81	7.68E+05	1.12 Y	1.18	1.06	-9.7%	
PCB-21/33 234-/2'34-TrCB	20.97	7.97E+05	1.06 Y	1.21	1.11	-9.0%	
PCB-22 234'-TrCB	21.34	3.80E+05	1.08 Y	1.11	1.05	-5.4%	
PCB-36 33'5-TrCB	22.71	4.19E+05	1.11 Y	1.21	1.16	-4.1%	
PCB-39 34'5-TrCB	23.02	4.87E+05	1.06 Y	1.32	1.35	2.6%	
PCB-38 345-TrCB	23.52	4.06E+05	1.11 Y	1.15	1.13	-2.4%	
PCB-35 33'4-TrCB	23.91	3.96E+05	1.04 Y	1.13	1.10	-3.2%	
PCB-37 344'-TrCB	24.26	4.17E+05	1.16 Y	1.20	1.16	-3.4%	
PCB-54 22'66'-TeCB	18.38	2.93E+05	0.76 Y	0.93	0.90	-3.9%	
PCB-50/53 22'46-/22'56'TeCB	20.31	4.49E+05	0.80 Y	0.83	0.74	-10.8%	
PCB-45 22'36'-TeCB	20.86	1.88E+05	0.86 Y	0.71	0.62	-11.9%	
PCB-51 22'46'-TeCB	20.94	2.36E+05	0.81 Y	0.88	0.78	-11.0%	
PCB-46 22'36'-TeCB	21.13	1.93E+05	0.80 Y	0.69	0.64	-8.4%	
PCB-52 22'55'-TeCB	22.39	2.25E+05	0.76 Y	0.80	0.74	-7.4%	
PCB-73 23'5'6TeCB	22.52	2.86E+05	0.69 Y	1.03	0.95	-8.5%	
PCB-43 22'35'-TeCB	22.60	2.01E+05	0.78 Y	0.71	0.66	-6.0%	
PCB-69/49 23'46-/22'45'TeCB	22.80	5.31E+05	0.81 Y	0.96	0.88	-8.5%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.06	2.50E+05	0.84 Y	0.84	0.83	-1.1%	
PCB-44/47/65 22'35'-/22'44'-	23.27	7.40E+05	0.78 Y	0.86	0.82	-5.0%	
PCB-59/62/75 233'6'-/2346-/24	23.54	9.35E+05	0.73 Y	1.09	1.03	-5.6%	
PCB-42 22'34'-TeCB	23.70	2.20E+05	0.70 Y	0.77	0.73	-5.2%	
PCB-41 22'34'-TeCB	24.02	2.16E+05	0.78 Y	0.73	0.71	-1.5%	
PCB-71/40 23'4'6/22'33'-TeCB	24.12	4.69E+05	0.79 Y	0.81	0.78	-4.6%	
PCB-64 234'6'-TeCB	24.32	3.34E+05	0.79 Y	1.17	1.11	-5.2%	
PCB-72 23'55'-TeCB	25.05	3.52E+05	0.84 Y	1.25	1.16	-7.1%	
PCB-68 23'45'-TeCB	25.30	4.10E+05	0.76 Y	1.36	1.35	-0.6%	
PCB-57 233'5'-TeCB	25.66	3.53E+05	0.77 Y	1.22	1.17	-4.6%	
PCB-58 233'5'-TeCB	25.86	3.58E+05	0.86 Y	1.26	1.18	-5.8%	
PCB-67 23'45'-TeCB	26.01	3.80E+05	0.78 Y	1.27	1.26	-1.4%	
PCB-63 234'5'-TeCB	26.24	3.89E+05	0.80 Y	1.34	1.29	-3.7%	
PCB-61/70/74/76 2345-/23'4'5	26.51	1.40E+06	0.82 Y	1.24	1.16	-6.7%	
PCB-66 23'44'-TeCB	26.80	3.53E+05	0.77 Y	1.19	1.17	-1.8%	
PCB-55 233'4'-TeCB	26.93	3.52E+05	0.78 Y	1.22	1.16	-4.4%	
PCB-56 233'4'-TeCB	27.36	3.42E+05	0.79 Y	1.18	1.13	-3.9%	
PCB-60 2344'-TeCB	27.55	3.47E+05	0.66 Y	1.24	1.15	-7.2%	
PCB-80 33'55'-TeCB	27.92	4.01E+05	0.77 Y	1.37	1.32	-3.5%	
PCB-79 33'45'-TeCB	29.21	3.81E+05	0.76 Y	1.37	1.26	-7.9%	
PCB-78 33'45'-TeCB	29.68	3.48E+05	0.70 Y	1.19	1.15	-3.6%	
PCB-104 22'466'-PeCB	23.21	2.94E+05	0.67 Y	0.92	0.87	-4.8%	
PCB-96 22'366'-PeCB	23.51	2.59E+05	0.56 Y	0.81	0.77	-5.2%	
PCB-103 22'45'6'-PeCB	25.21	1.97E+05	0.64 Y	0.78	0.71	-7.9%	
PCB-94 22'356'-PeCB	25.38	1.89E+05	0.63 Y	0.71	0.69	-3.6%	
PCB-95 22'35'6'-PeCB	25.76	1.93E+05	0.64 Y	0.74	0.70	-5.4%	
PCB-100/93 22'44'6-/22'356-P	25.97	3.83E+05	0.61 Y	0.75	0.70	-6.8%	
PCB-102 22'456'-PeCB	26.09	2.25E+05	0.63 Y	0.75	0.82	9.1%	
PCB-98 22'3'46'-PeCB	26.15	1.46E+05	0.57 Y	0.71	0.53	-25.3%	
PCB-88 22'346'-PeCB	26.43	1.84E+05	0.62 Y	0.66	0.67	0.4%	
PCB-91 22'34'6'-PeCB	26.51	2.13E+05	0.61 Y	0.84	0.78	-7.6%	
PCB-84 22'33'6'-PeCB	26.68	1.56E+05	0.65 Y	0.65	0.57	-12.5%	
PCB-89 22'346'-PeCB	27.09	1.89E+05	0.60 Y	0.69	0.69	0.0%	
PCB-121 23'45'6'-PeCB	27.48	2.63E+05	0.62 Y	0.98	0.96	-2.7%	
PCB-92 22'355'-PeCB	27.79	1.97E+05	0.58 Y	0.72	0.71	-0.2%	
PCB-113/90/101 233'5'6-/22'3	28.27	6.46E+05	0.64 Y	0.81	0.78	-3.3%	
PCB-83 22'33'5'-PeCB	28.68	1.71E+05	0.60 Y	0.62	0.62	-0.4%	
PCB-99 22'44'5'-PeCB	28.79	2.14E+05	0.67 Y	0.76	0.78	1.6%	
PCB-112 233'56'-PeCB	28.88	2.62E+05	0.64 Y	0.96	0.95	-1.3%	
PCB-108/119/86/97/125/87 233	29.22	1.28E+06	0.59 Y	0.83	0.77	-6.2%	
PCB-117 234'56'-PeCB	29.75	2.53E+05	0.61 Y	0.94	0.92	-2.2%	
PCB-116/85 23456-/22'344'-Pe	29.83	4.27E+05	0.58 Y	0.81	0.77	-4.2%	
PCB-110 233'4'6'-PeCB	29.96	2.41E+05	0.61 Y	0.92	0.87	-5.0%	

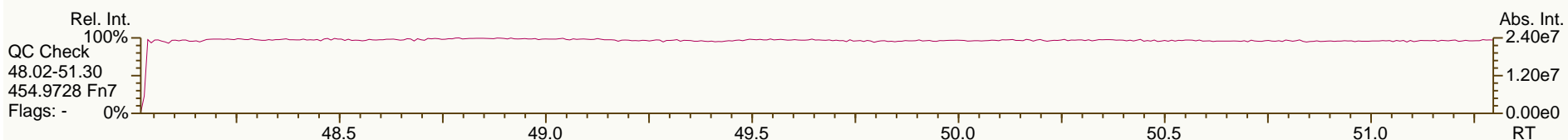
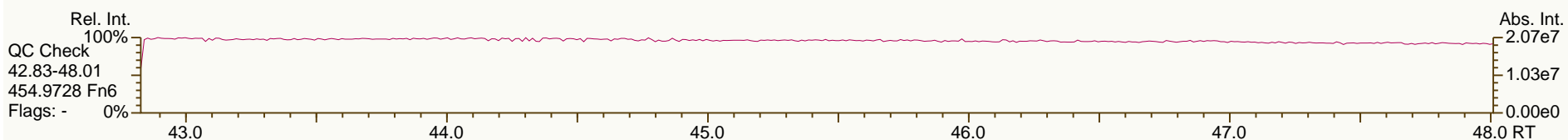
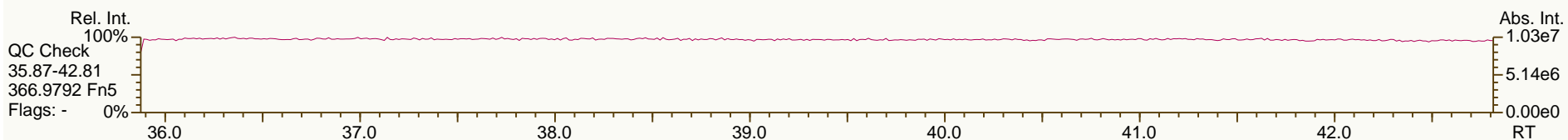
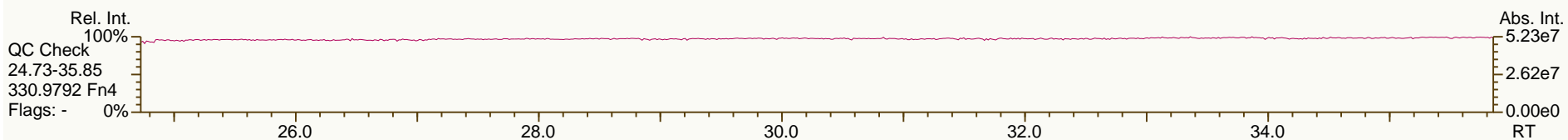
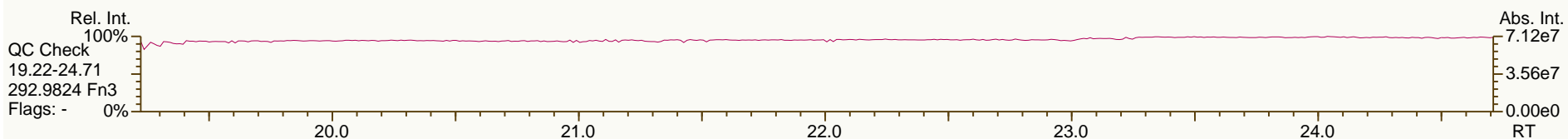
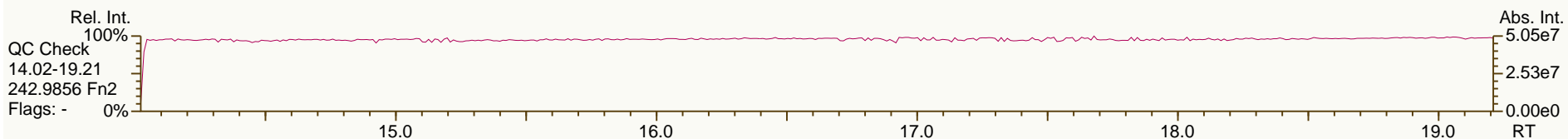
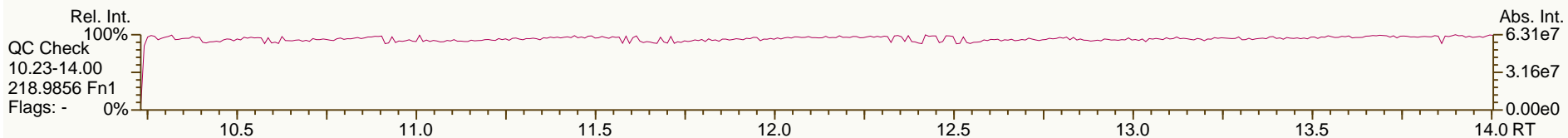
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.04	2.57E+05	0.66 Y	0.95	0.93	-1.4%	
PCB-82 22'33'4-PeCB	30.22	1.74E+05	0.65 Y	0.62	0.63	2.8%	
PCB-111 233'55'-PeCB	30.59	2.71E+05	0.58 Y	0.98	0.98	-0.1%	
PCB-120 23'455'-PeCB	30.98	2.75E+05	0.69 Y	0.99	1.00	0.5%	
PCB-107/124 233'4'5-/2'3455'	31.93	4.60E+05	0.62 Y	0.92	0.83	-9.2%	
PCB-109 233'46-PeCB	32.13	2.66E+05	0.61 Y	1.00	0.97	-2.9%	
PCB-106 233'45-PeCB	32.34	2.54E+05	0.63 Y	0.96	0.92	-4.1%	
PCB-122 2'33'45-PeCB	32.79	2.27E+05	0.67 Y	0.93	0.89	-4.4%	
PCB-127 33'455'-PeCB	34.77	2.48E+05	0.66 Y	1.04	0.99	-5.1%	
PCB-155 22'44'66'-HxCB	28.12	3.01E+05	1.22 Y	1.06	1.00	-5.6%	
PCB-152 22'3566'-HxCB	28.25	2.85E+05	1.34 Y	0.98	0.95	-3.7%	
PCB-150 22'34'66'-HxCB	28.40	2.84E+05	1.31 Y	0.99	0.94	-4.6%	
PCB-136 22'33'66'-HxCB	28.69	2.70E+05	1.23 Y	0.92	0.90	-2.6%	
PCB-145 22'3466'HxCB	28.96	2.77E+05	1.37 Y	0.94	0.92	-2.0%	
PCB-148 22'34'56'-HxCB	30.27	2.16E+05	1.32 Y	0.95	0.91	-4.1%	
PCB-151/135 22'355'6-/22'33'	30.77	4.16E+05	1.22 Y	0.92	0.88	-4.7%	
PCB-154 22'44'5'6-HxCB	30.99	2.32E+05	1.31 Y	1.01	0.98	-3.7%	
PCB-144 22'345'6-HxCB	31.24	2.19E+05	1.22 Y	0.93	0.92	-1.0%	
PCB-147/149 22'34'56-/22'34'	31.54	4.25E+05	1.34 Y	0.94	0.90	-4.2%	
PCB-134 22'33'56-HxCB	31.70	1.75E+05	1.25 Y	0.78	0.74	-6.2%	
PCB-143 22'3456'-HxCB	31.78	1.99E+05	1.10 Y	0.90	0.84	-6.3%	
PCB-139/140 22'344'6-/22'344'	32.05	4.26E+05	1.27 Y	0.95	0.90	-5.6%	
PCB-131 22'33'46-HxCB	32.21	1.92E+05	1.20 Y	0.84	0.81	-3.1%	
PCB-142 22'3456-HxCB	32.35	1.95E+05	1.33 Y	0.87	0.82	-5.7%	
PCB-132 22'33'46'-HxCB	32.59	2.02E+05	1.35 Y	0.88	0.85	-2.7%	
PCB-133 22'33'55'-HxCB	33.04	2.01E+05	1.20 Y	0.89	0.85	-4.9%	
PCB-165 233'55'6-HxCB	33.38	2.47E+05	1.36 Y	1.06	1.04	-2.1%	
PCB-146 22'34'55'-HxCB	33.59	2.12E+05	1.13 Y	0.94	0.89	-5.2%	
PCB-161 233'45'6-HxCB	33.71	2.73E+05	1.37 Y	1.20	1.15	-3.9%	
PCB-153/168 22'44'55'-/23'44'	34.13	5.36E+05	1.28 Y	1.15	1.13	-1.6%	
PCB-141 22'3455'-HxCB	34.26	2.21E+05	1.17 Y	0.91	0.93	2.0%	
PCB-130 22'33'45'-HxCB	34.61	1.87E+05	1.30 Y	0.82	0.79	-4.0%	
PCB-137 22'344'5-HxCB	34.81	2.37E+05	1.33 Y	1.00	1.00	-0.4%	
PCB-164 233'4'5'6-HxCB	34.89	2.56E+05	1.36 Y	1.14	1.08	-5.2%	
PCB-163/138/129 233'4'56-/22'	35.17	6.86E+05	1.26 Y	0.98	0.96	-2.2%	
PCB-160 233'456-HxCB	35.30	2.61E+05	1.27 Y	1.14	1.10	-3.9%	
PCB-158 233'44'6-HxCB	35.49	2.86E+05	1.30 Y	1.24	1.21	-3.1%	
PCB-128/166 22'33'44'-/2344'5	36.21	4.08E+05	1.28 Y	0.86	0.81	-6.2%	
PCB-159 233'455'-HxCB	37.07	2.48E+05	1.44 Y	1.03	0.98	-4.1%	
PCB-162 233'4'55'-HxCB	37.31	2.47E+05	1.12 Y	1.04	0.98	-5.8%	
PCB-188 22'34'566'-HpCB	32.97	2.94E+05	0.98 Y	1.07	1.01	-5.2%	
PCB-179 22'33'566'-HpCB	33.24	2.77E+05	1.07 Y	0.98	0.95	-2.8%	
PCB-184 22'344'66'-HpCB	33.71	2.75E+05	1.17 Y	0.97	0.94	-3.0%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
Lab ID:	CS1_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	3.04E+05	0.95 Y	1.06	1.04	-2.1%	
PCB-186 22'34566'-HpCB	34.38	2.87E+05	1.12 Y	1.02	0.98	-3.3%	
PCB-178 22'33'55'6'-HpCB	35.55	2.26E+05	1.02 Y	0.77	0.77	0.4%	
PCB-175 22'33'45'6'-HpCB	36.09	1.97E+05	0.97 Y	0.89	0.86	-4.2%	
PCB-187 22'34'55'6'-HpCB	36.32	2.03E+05	0.90 Y	0.94	0.88	-5.7%	
PCB-182 22'344'56'-HpCB	36.49	2.11E+05	1.00 Y	0.95	0.91	-3.7%	
PCB-183 22'344'5'6'-HpCB	36.84	2.40E+05	1.19 Y	0.96	1.04	8.6%	
PCB-185 22'3455'6'-HpCB	36.91	1.74E+05	0.90 Y	0.93	0.75	-18.9%	
PCB-174 22'33'456'-HpCB	37.02	1.82E+05	1.05 Y	0.80	0.79	-1.6%	
PCB-177 22'33'4'56'-HpCB	37.39	1.84E+05	1.12 Y	0.82	0.80	-2.3%	
PCB-181 22'344'56'-HpCB	37.74	1.95E+05	1.03 Y	0.91	0.85	-7.2%	
PCB-171/173 22'33'44'6'-/22'3	37.91	3.64E+05	1.15 Y	0.81	0.79	-3.0%	
PCB-172 22'33'455'-HpCB	39.30	1.77E+05	1.08 Y	0.83	0.77	-7.2%	
PCB-192 233'455'6'-HpCB	39.55	2.43E+05	1.06 Y	1.09	1.06	-3.4%	
PCB-180/193 22'344'55'-/233'	39.83	4.39E+05	0.94 Y	1.01	0.95	-6.0%	
PCB-191 233'44'5'6'-HpCB	40.15	2.48E+05	1.07 Y	1.13	1.08	-4.9%	
PCB-170 22'33'44'5'-HpCB	40.91	1.90E+05	1.02 Y	1.00	0.97	-2.9%	
PCB-190 233'44'56'-HpCB	41.36	2.50E+05	1.17 Y	1.35	1.28	-5.3%	
PCB-202 22'33'55'66'-OcCB	37.51	2.11E+05	0.90 Y	0.83	0.75	-8.7%	
PCB-201 22'33'45'66'-OcCB	38.30	2.41E+05	0.80 Y	0.93	0.86	-7.1%	
PCB-204 22'344'566'-OcCB	38.87	2.38E+05	0.83 Y	0.89	0.85	-4.7%	
PCB-197 22'33'44'66'-OcCB	39.06	2.62E+05	0.87 Y	0.91	0.94	2.6%	
PCB-200 22'33'4566'-OcCB	39.13	2.55E+05	0.97 Y	0.93	0.91	-1.9%	
PCB-198/199 22'33'455'6'-/22'	41.49	3.65E+05	0.85 Y	0.68	0.65	-4.7%	
PCB-196 22'33'44'56'-OcCB	42.07	2.08E+05	0.94 Y	0.72	0.74	3.7%	
PCB-203 22'344'55'6'-OcCB	42.23	1.97E+05	0.96 Y	0.74	0.70	-4.4%	
PCB-195 22'33'44'56'-OcCB	43.34	1.58E+05	0.99 Y	0.81	0.79	-2.6%	
PCB-194 22'33'44'55'-OcCB	45.32	1.61E+05	0.85 Y	0.86	0.81	-6.1%	
PCB-205 233'44'55'6'-OcCB	45.72	2.15E+05	0.98 Y	1.09	1.08	-1.4%	
PCB-208 22'33'455'66'-NoCB	43.15	2.02E+05	0.82 Y	0.98	0.96	-2.1%	
PCB-207 22'33'44'566'-NoCB	43.94	2.10E+05	0.81 Y	1.02	1.00	-2.0%	
PCB-206 22'33'44'55'6'-NoCB	47.19	1.50E+05	0.81 Y	0.93	0.90	-3.4%	

AP Lab ID: CS1_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

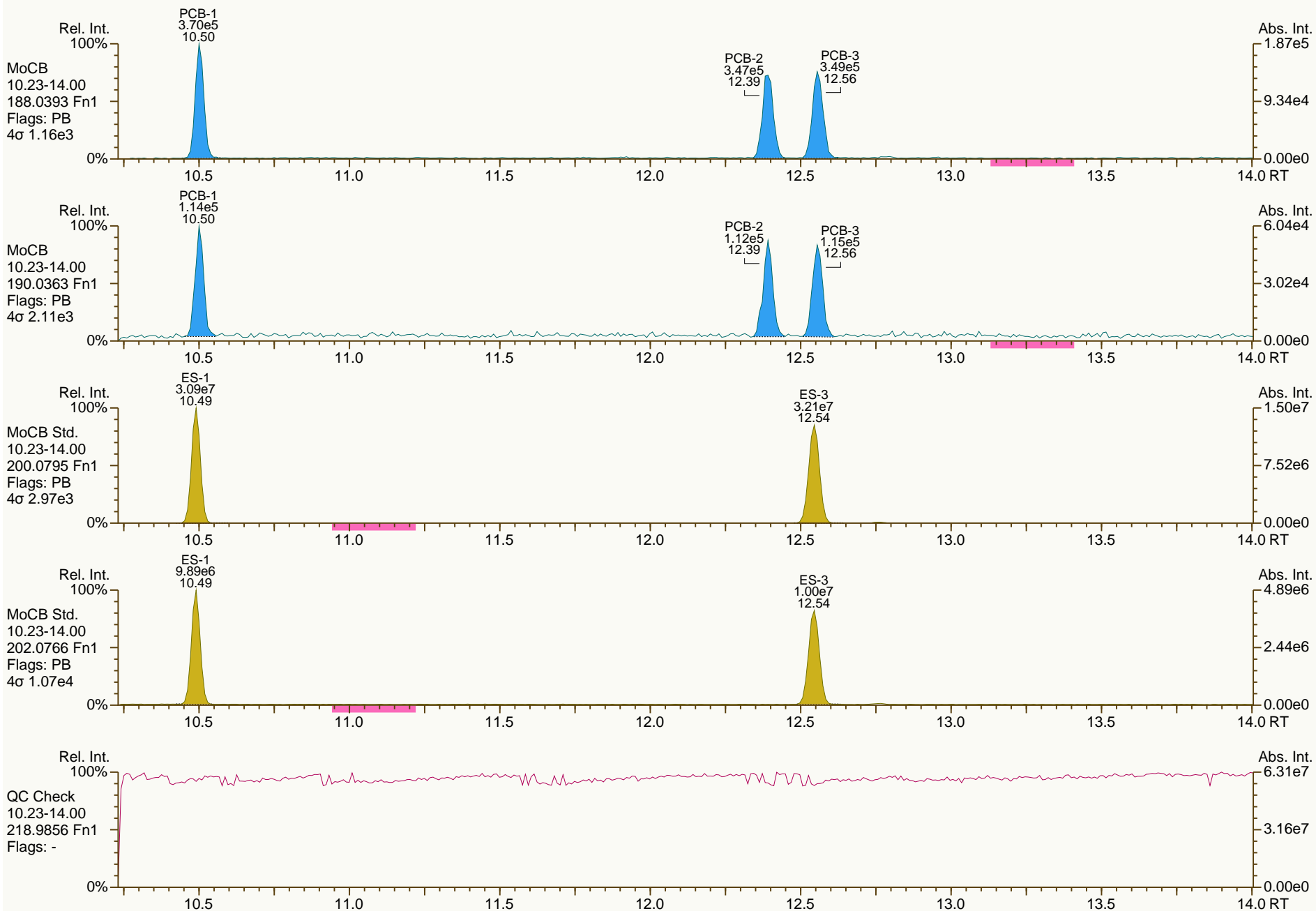
Acq: 26-Jan-2012 17:04:43
User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

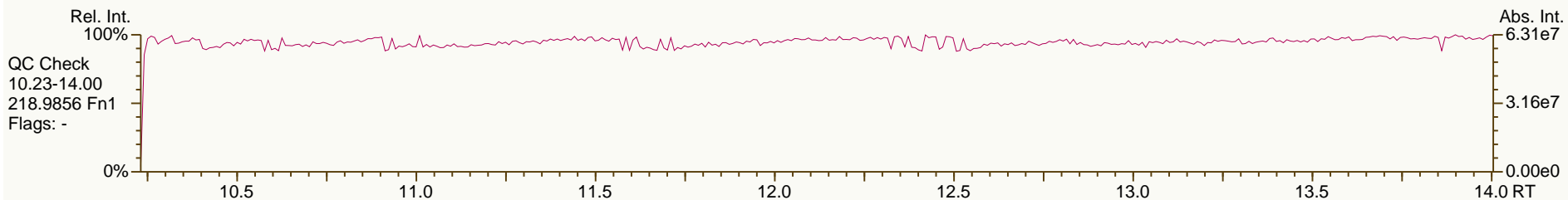
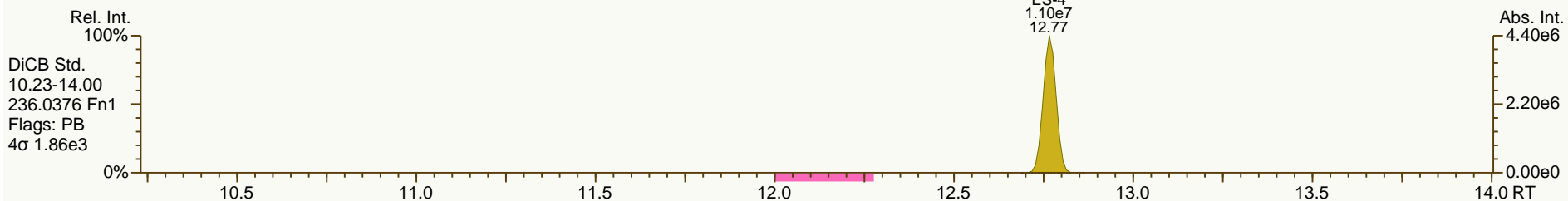
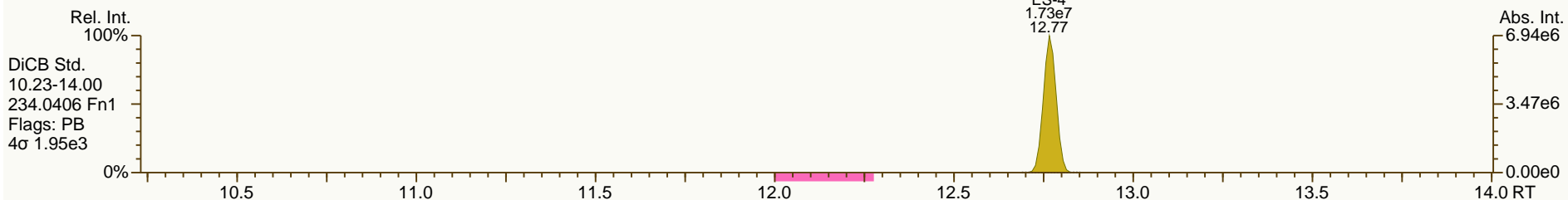
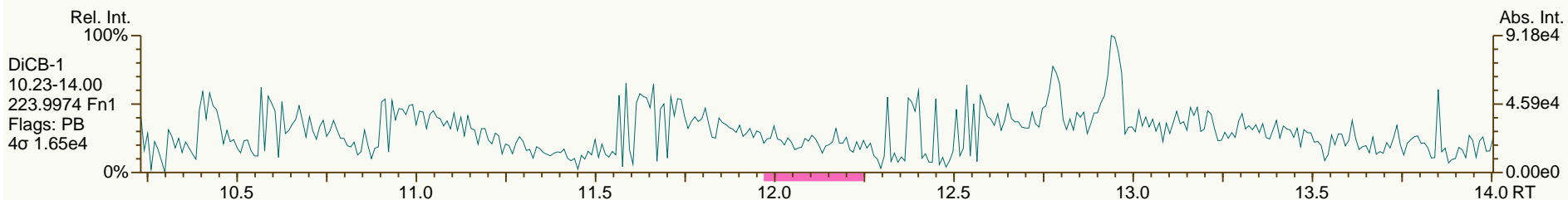
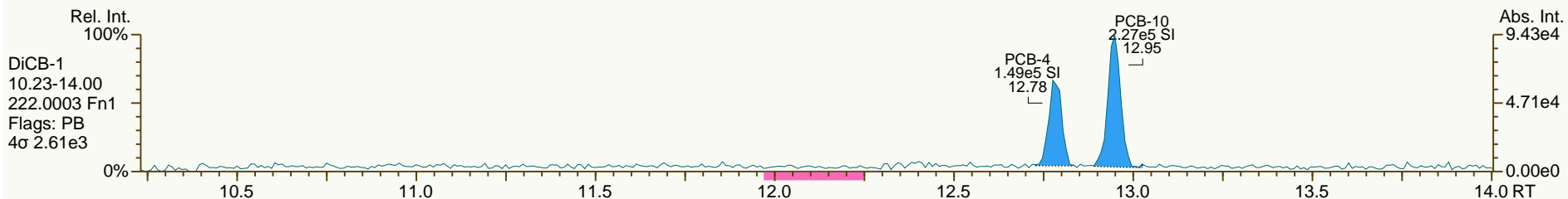
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

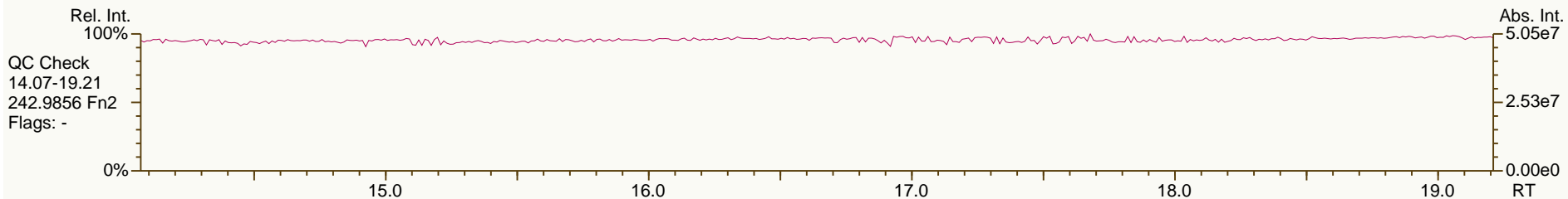
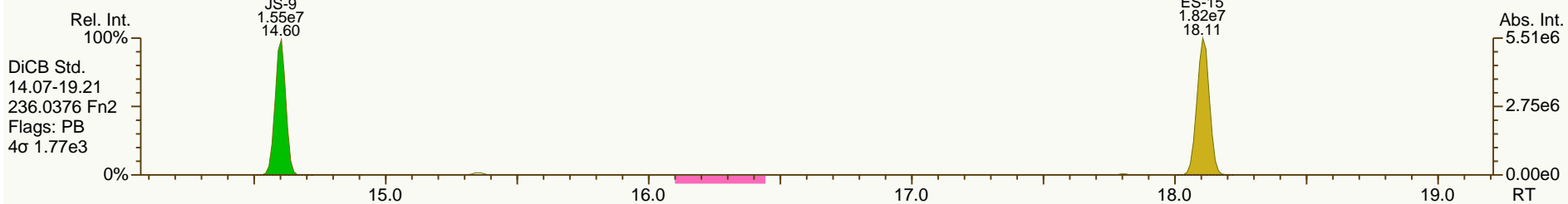
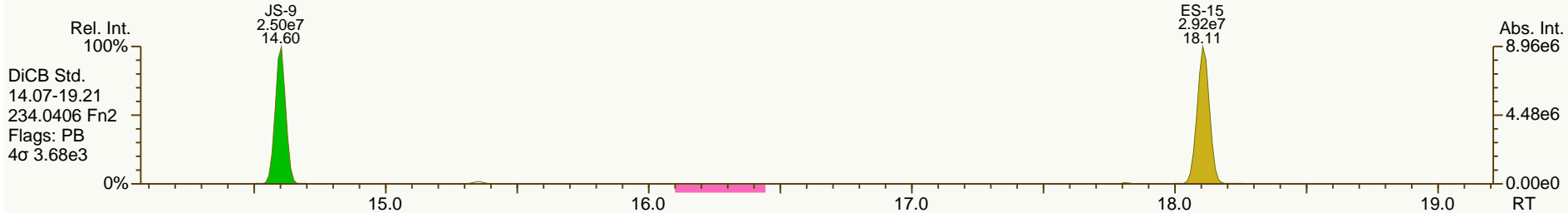
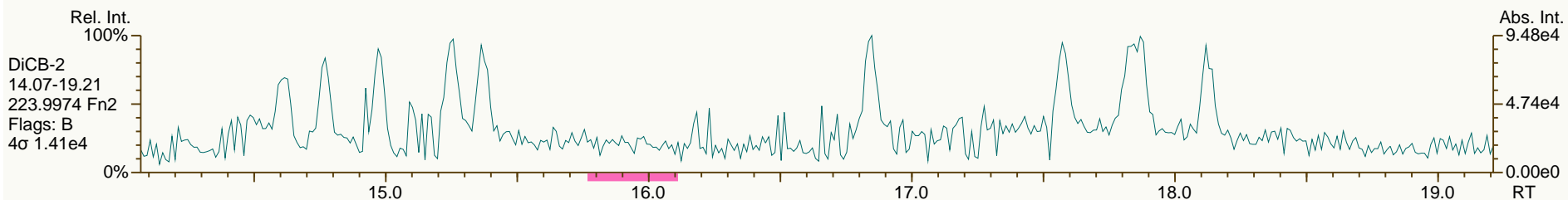
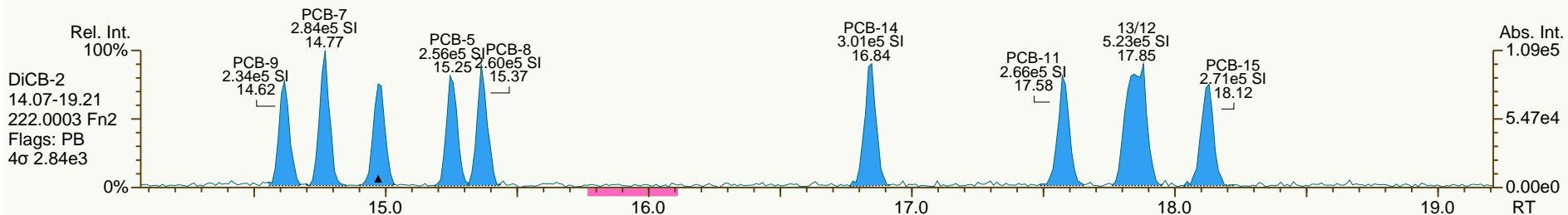
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

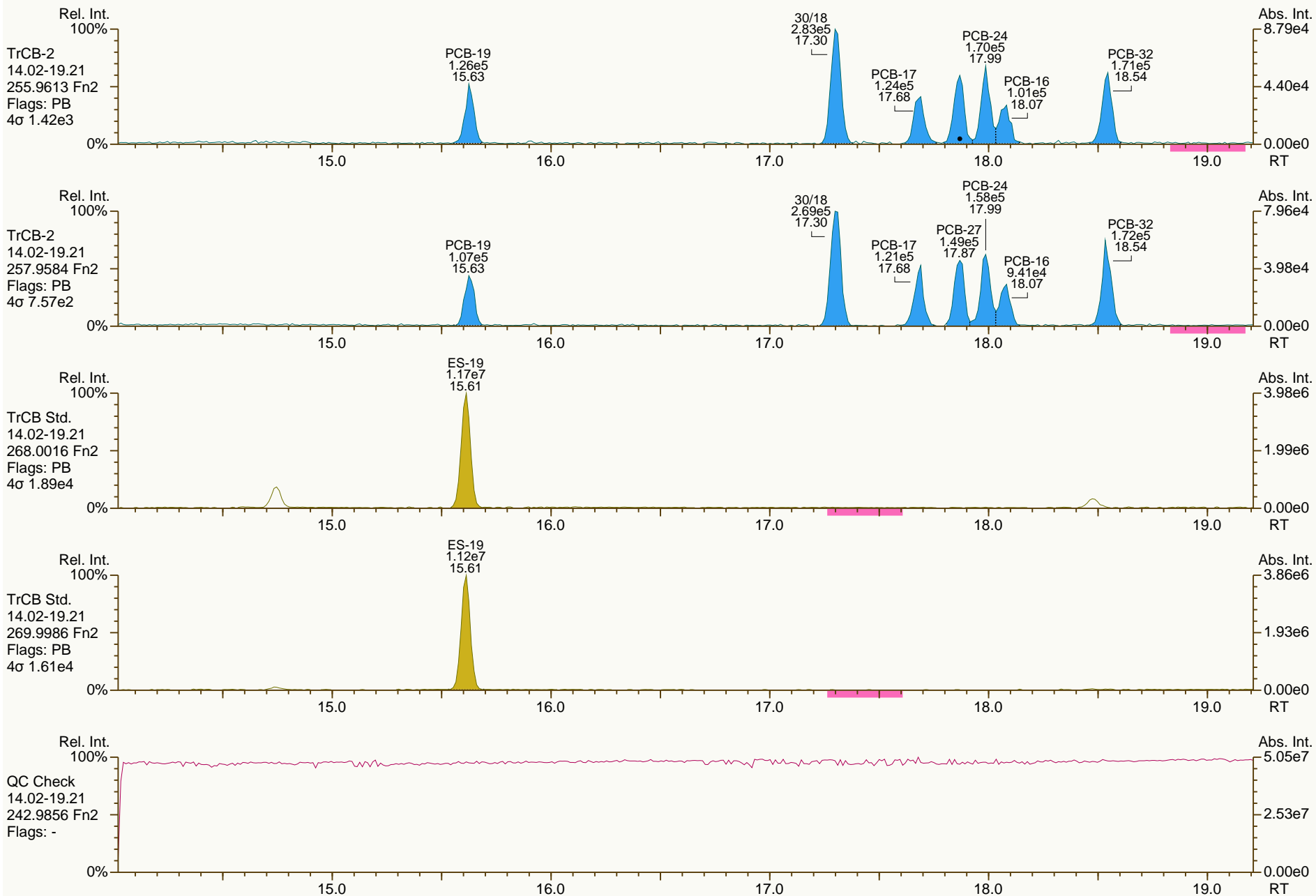
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

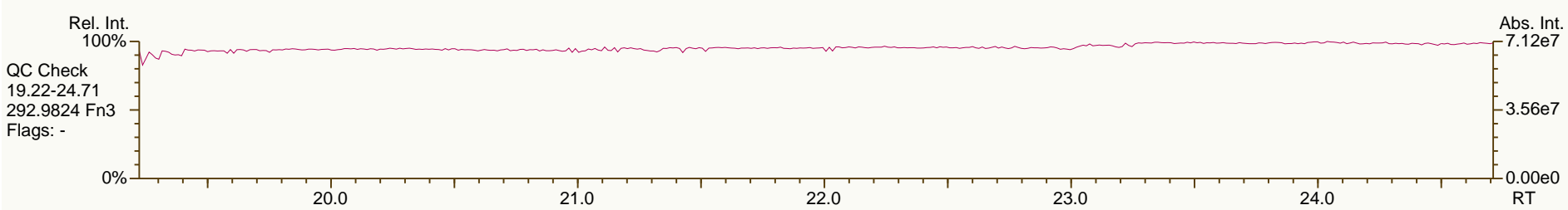
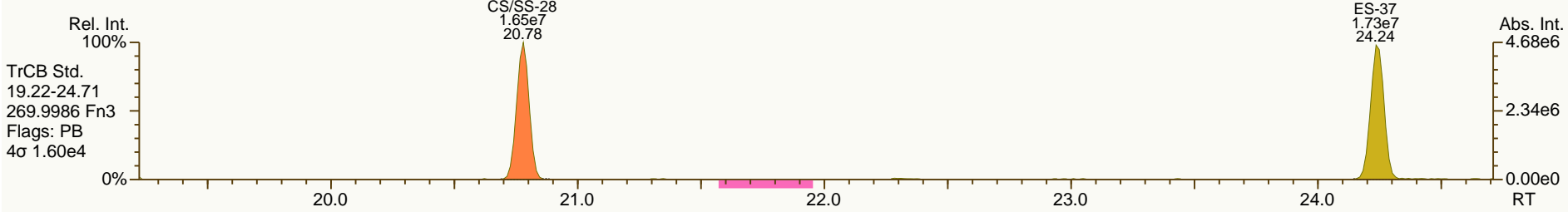
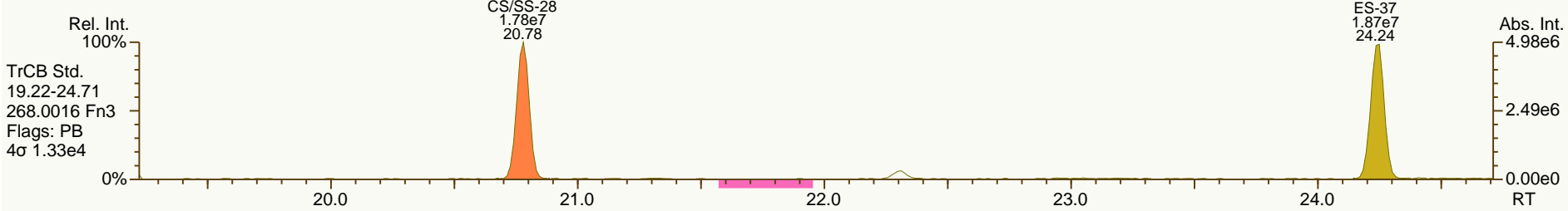
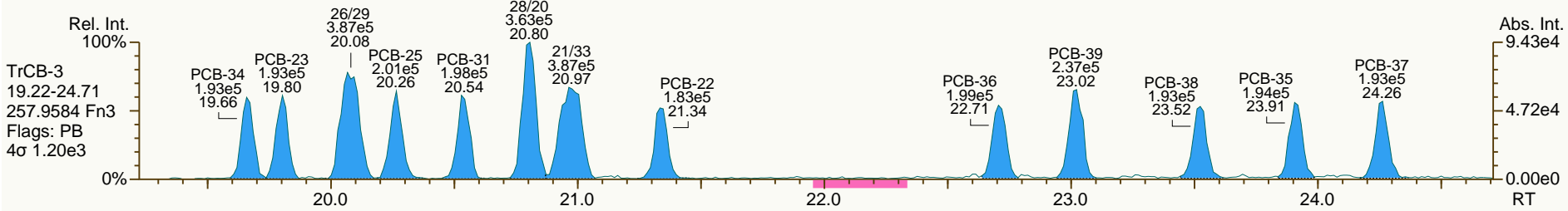
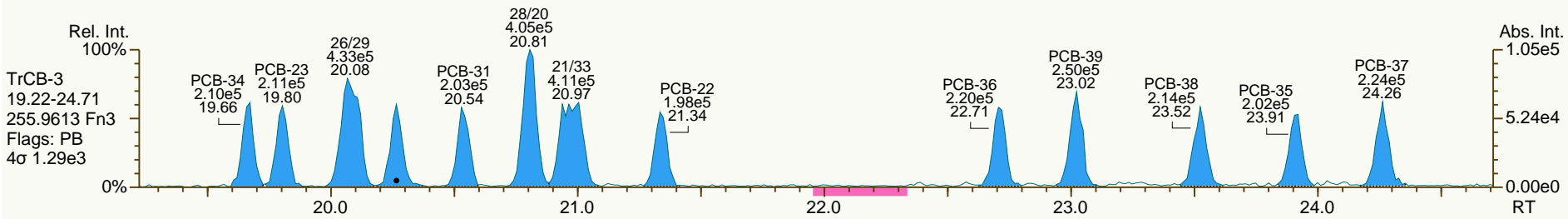
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

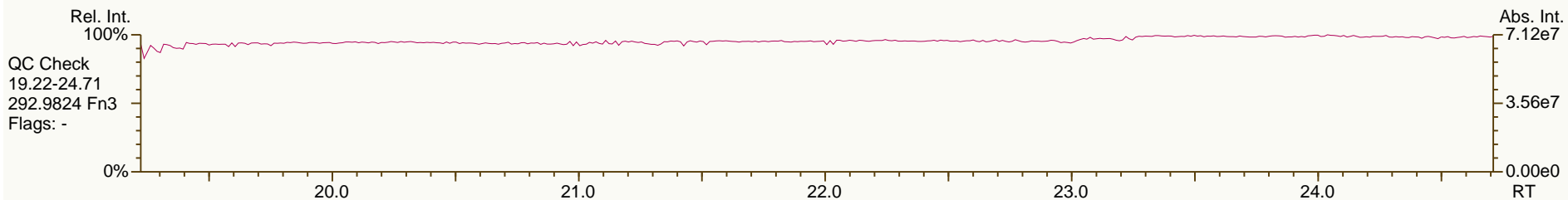
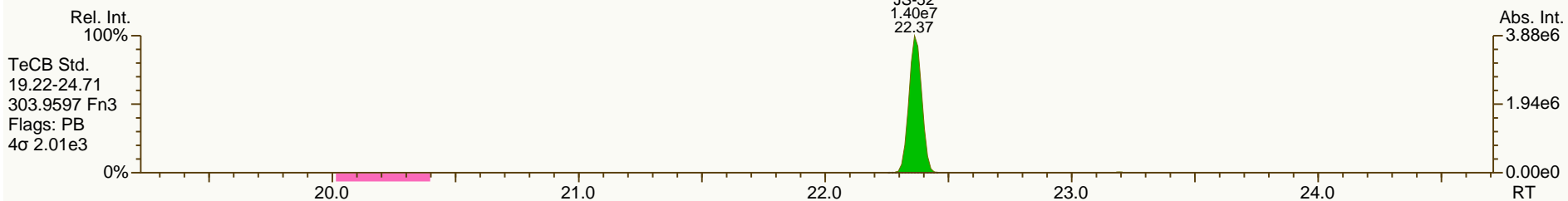
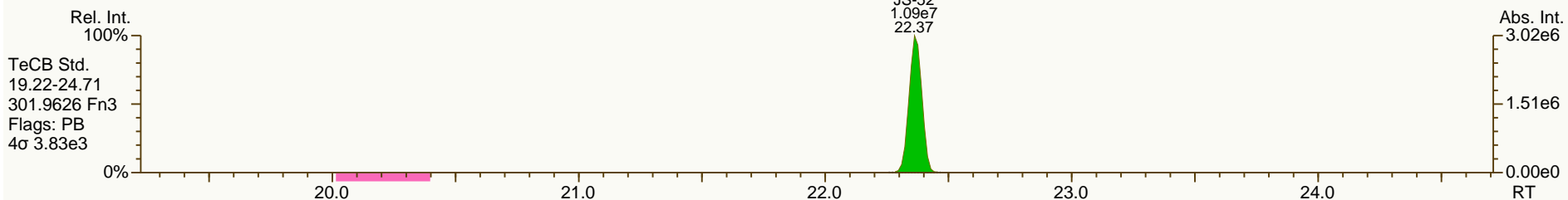
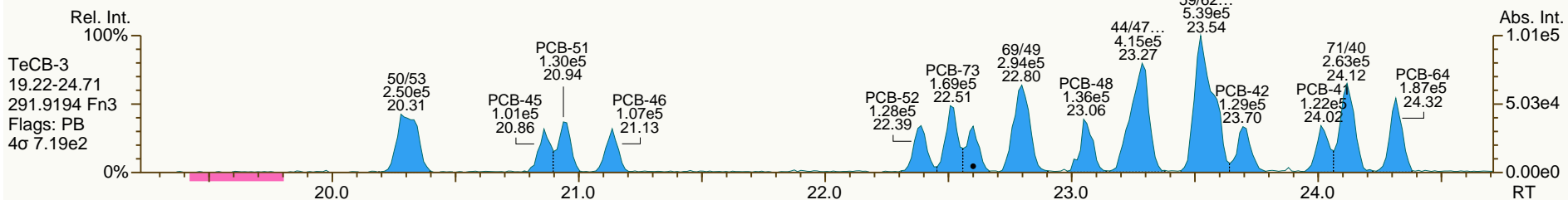
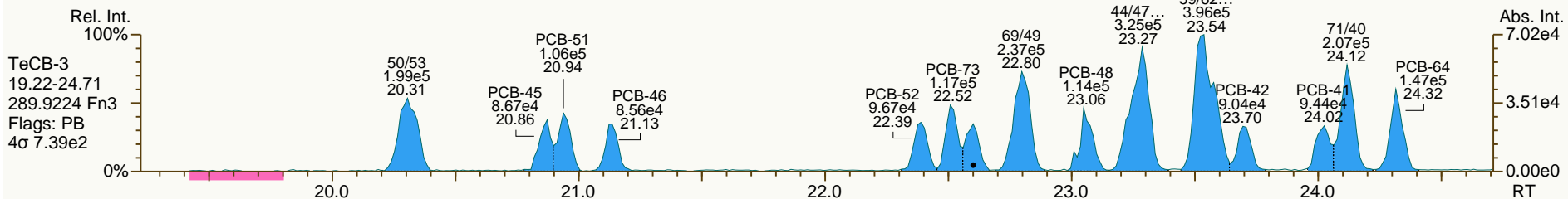
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

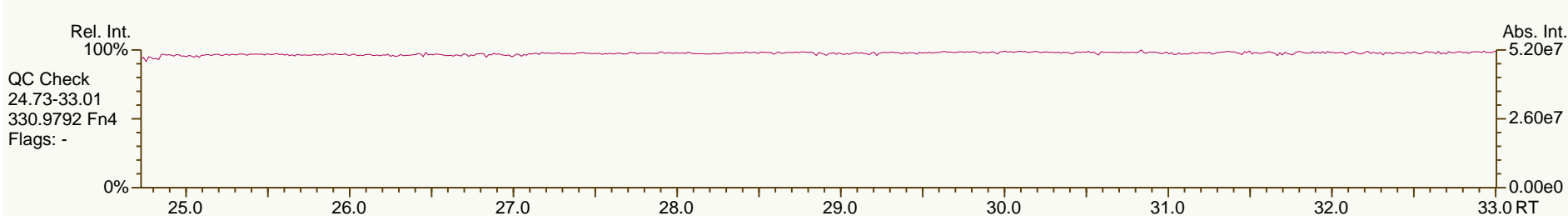
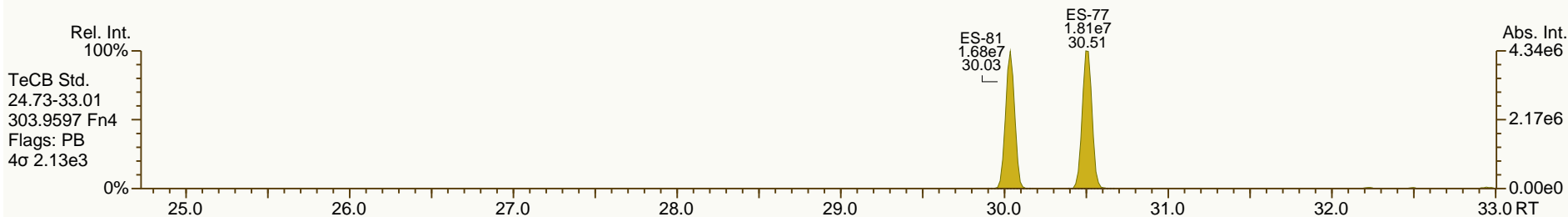
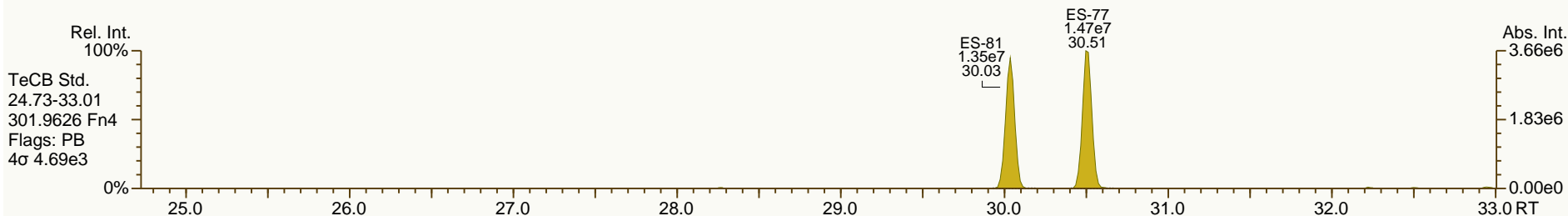
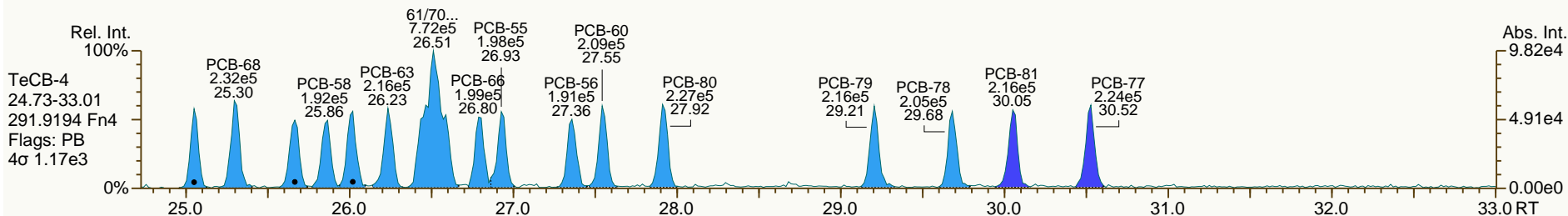
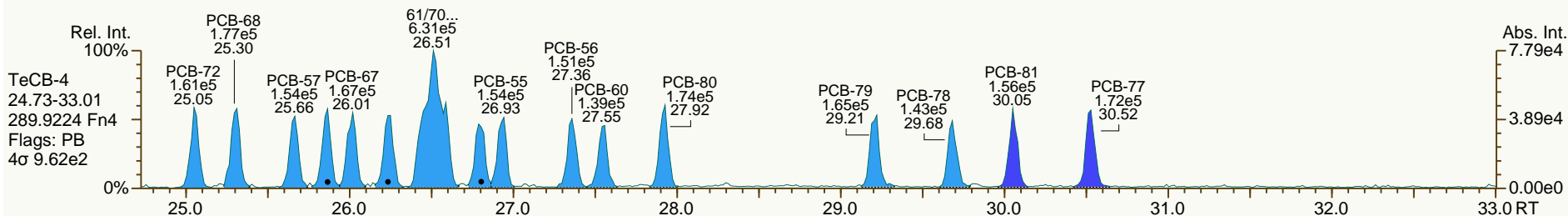
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

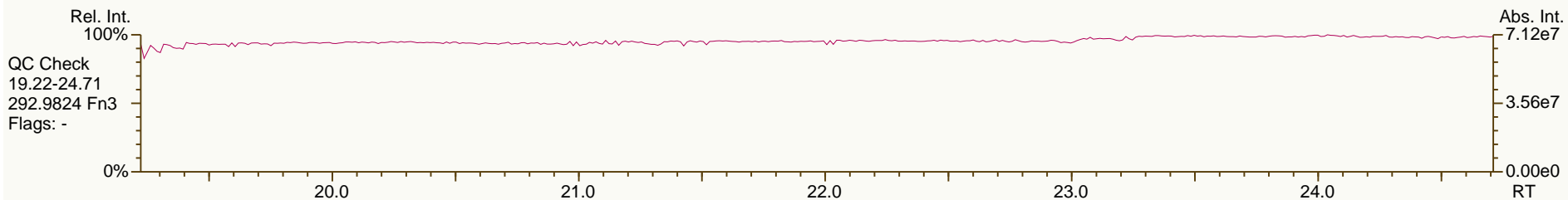
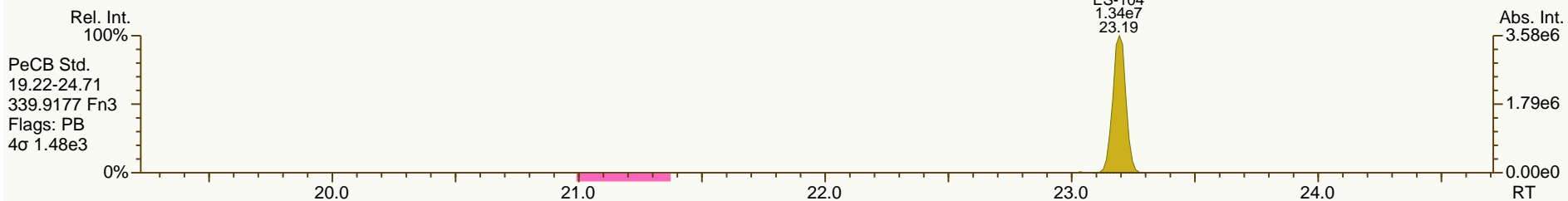
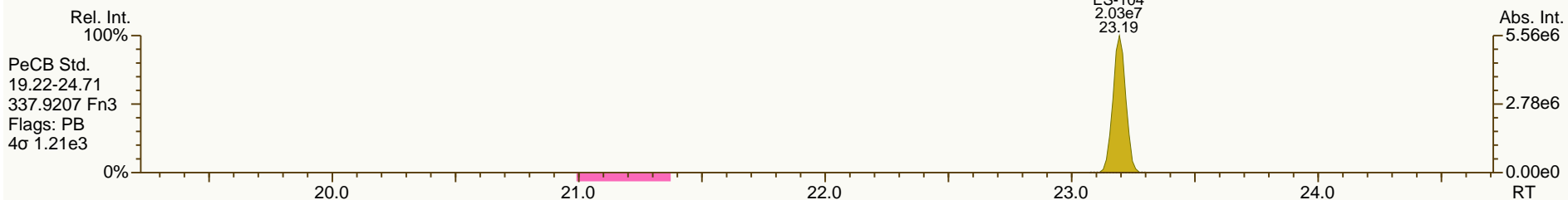
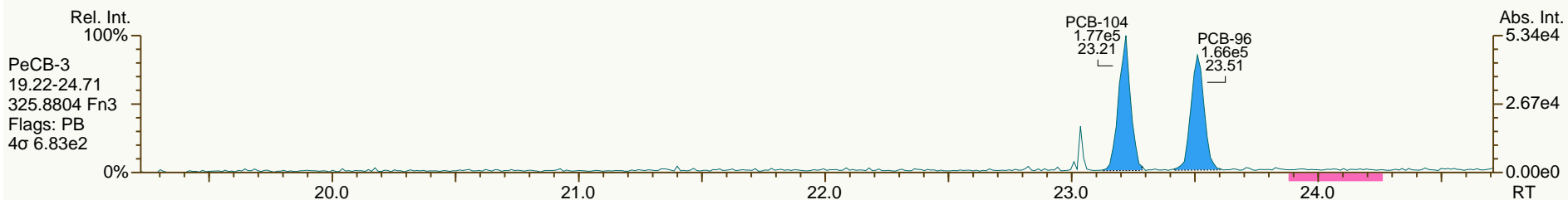
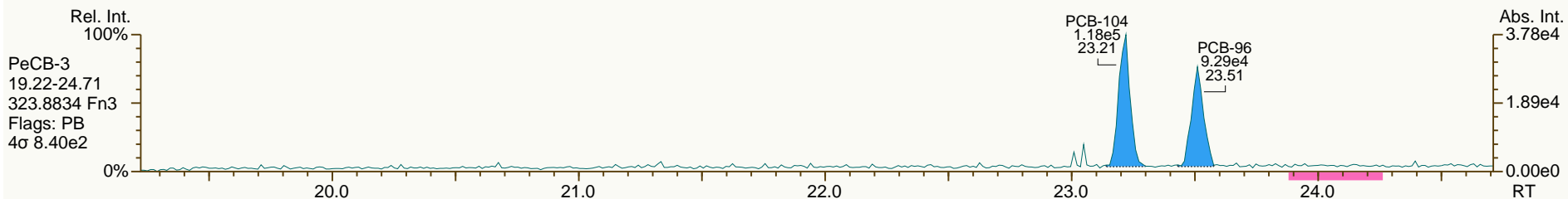
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

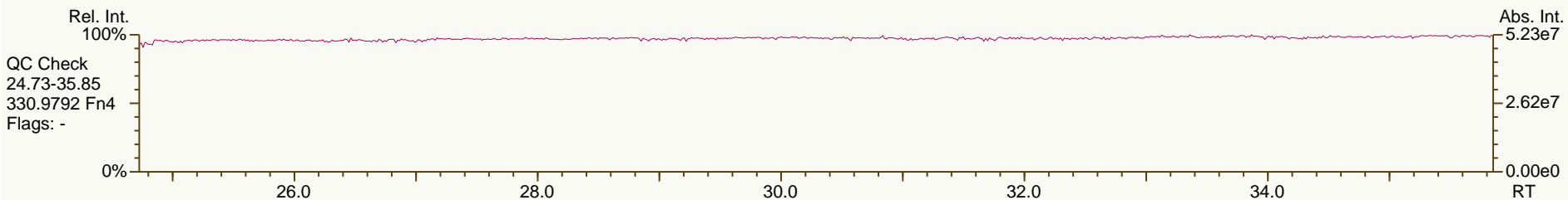
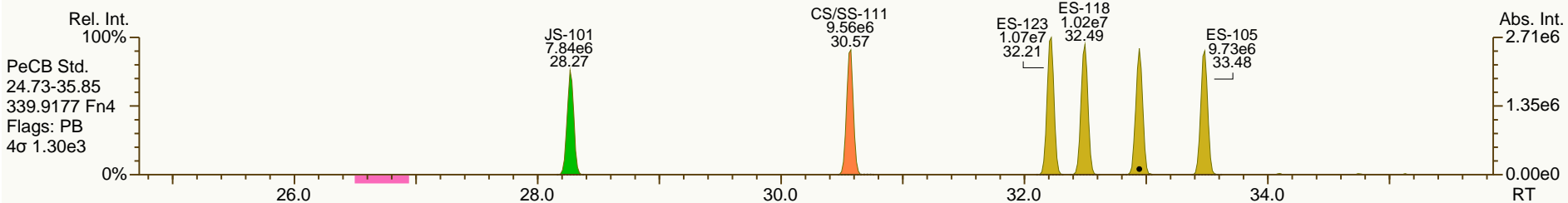
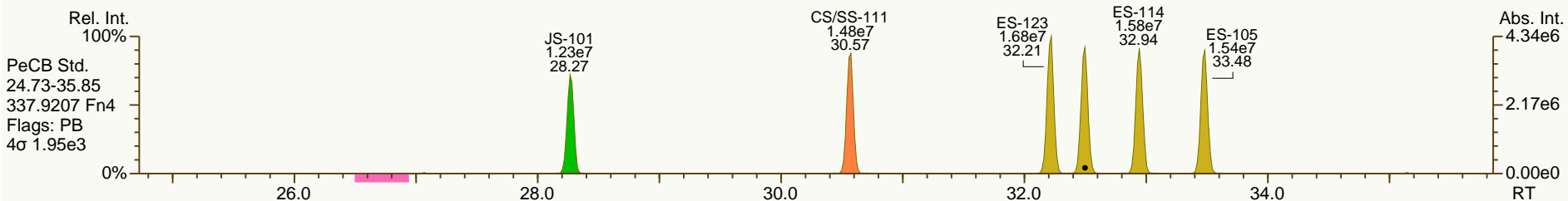
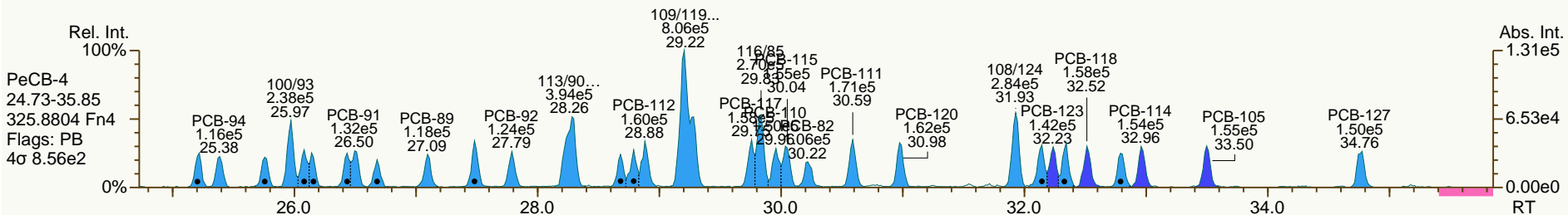
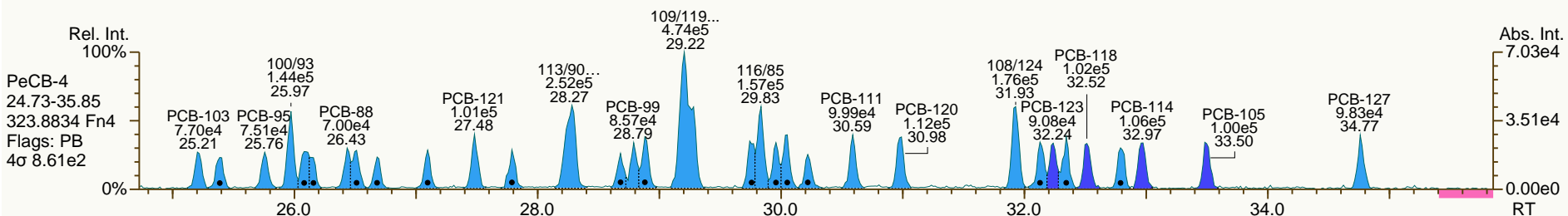
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

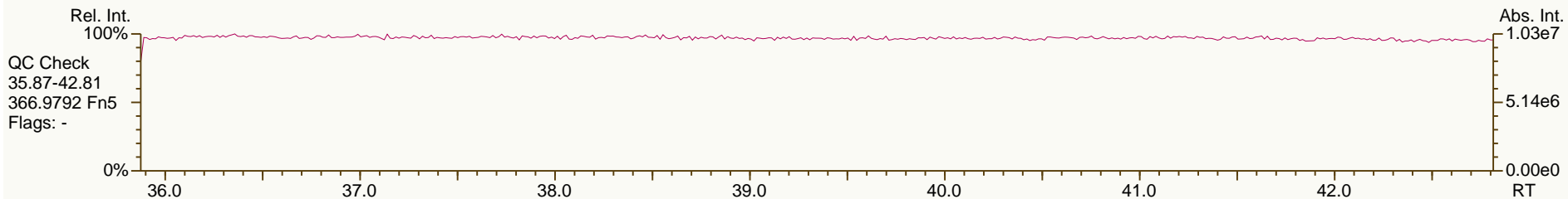
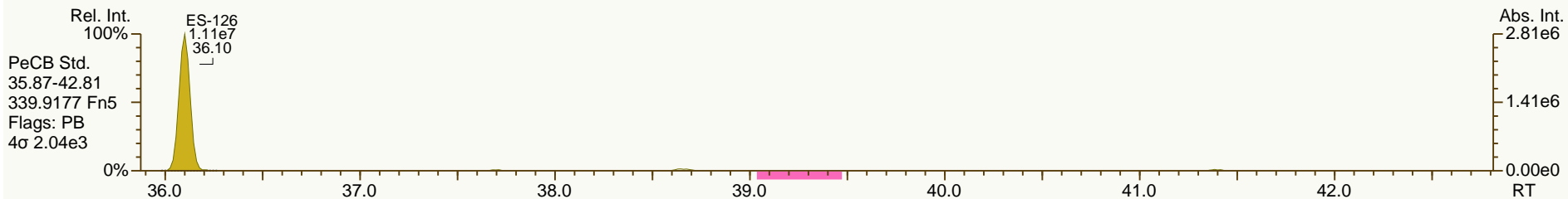
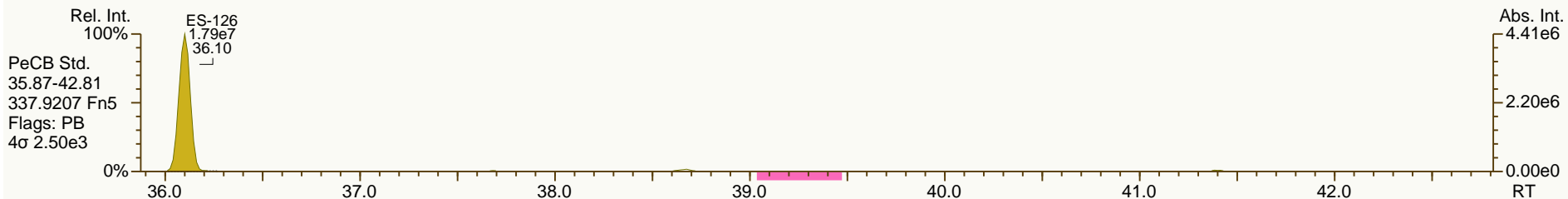
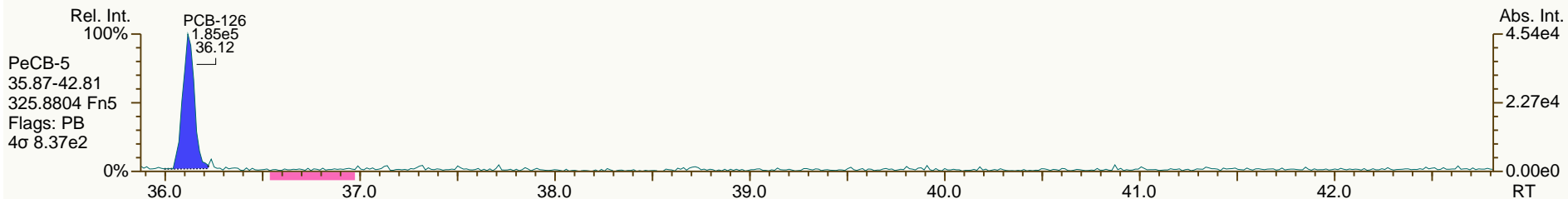
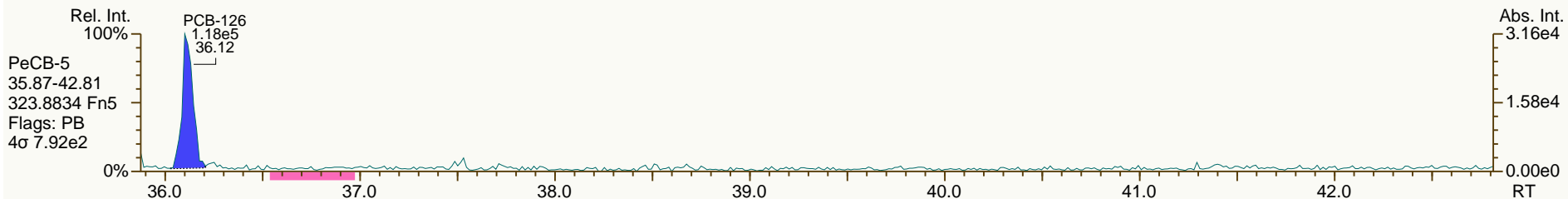
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

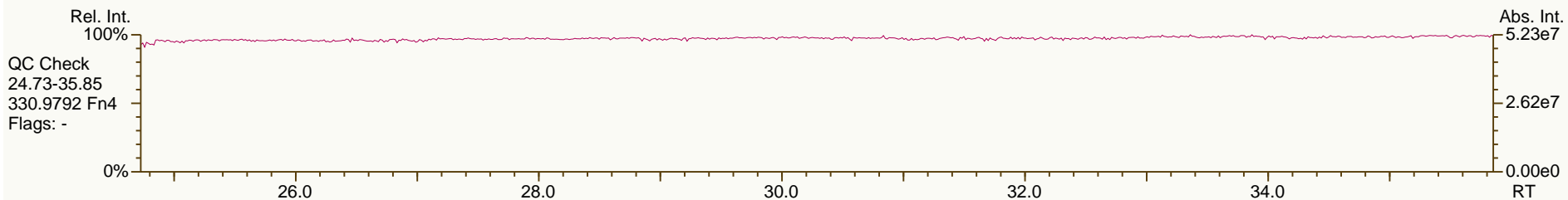
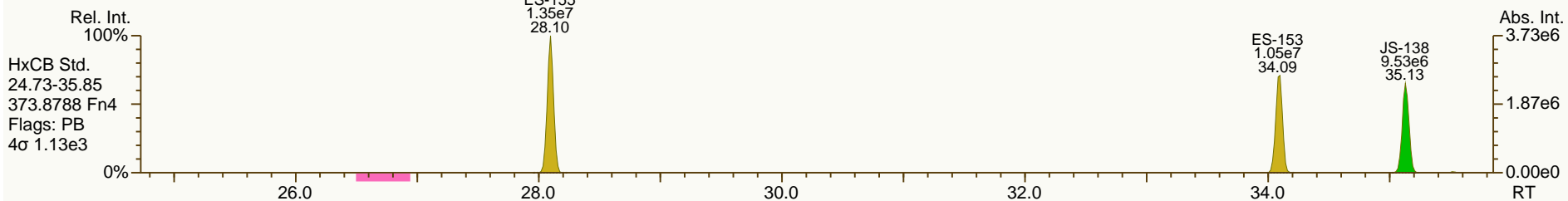
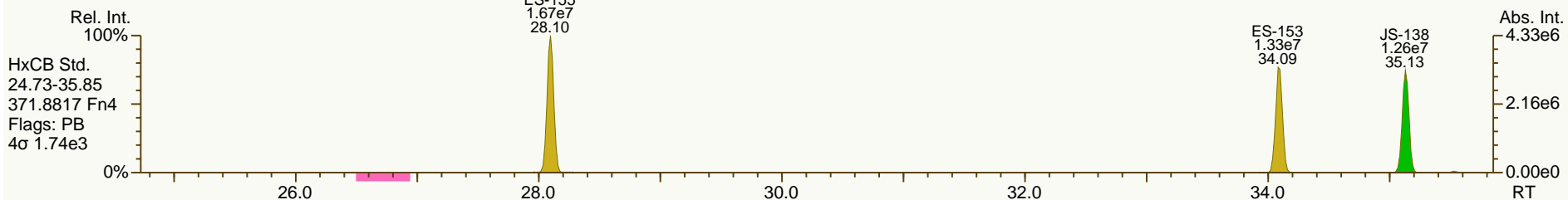
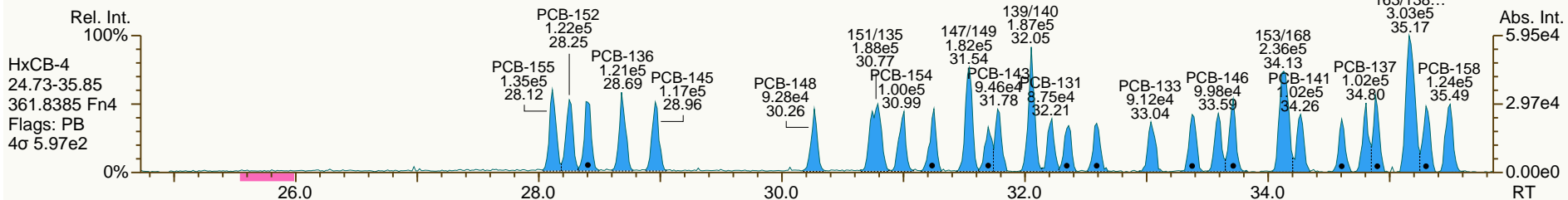
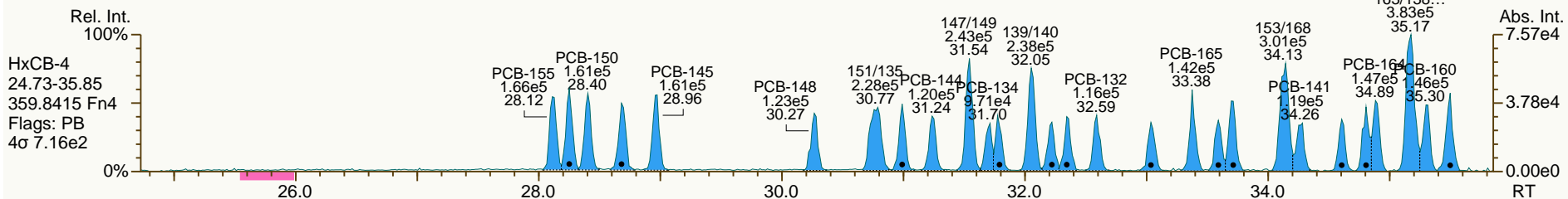
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

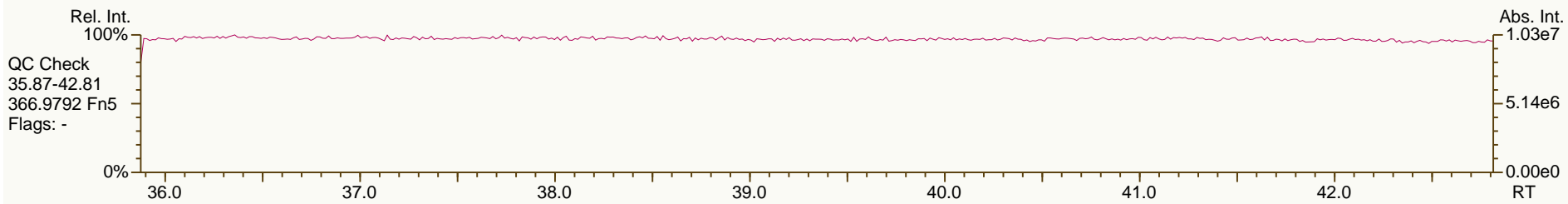
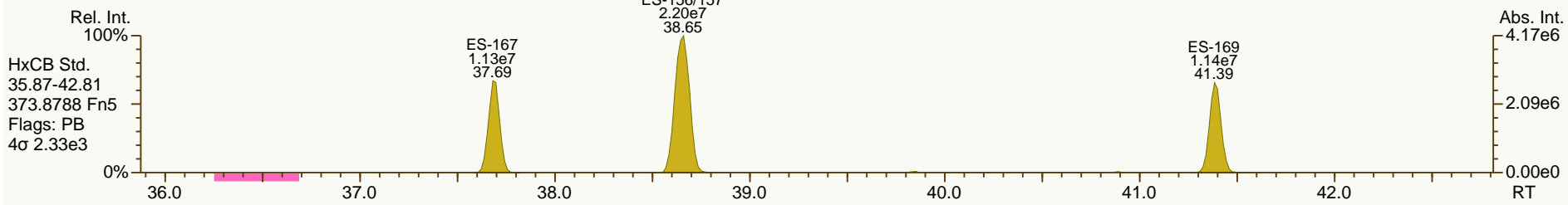
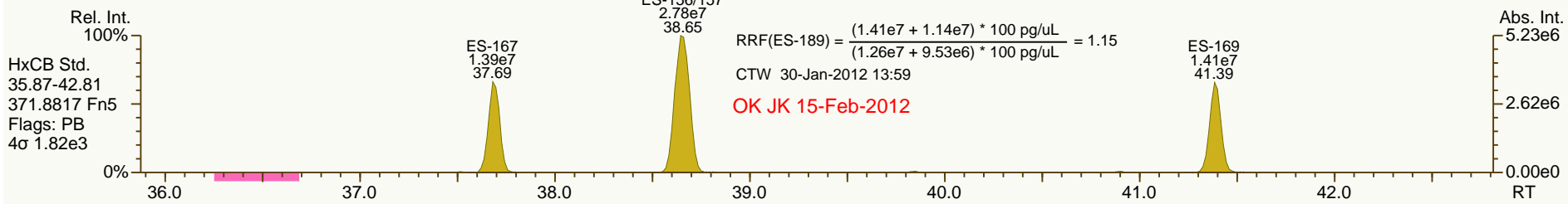
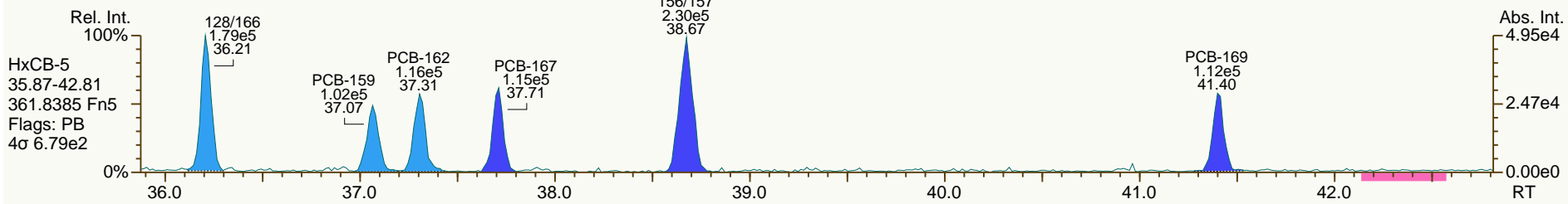
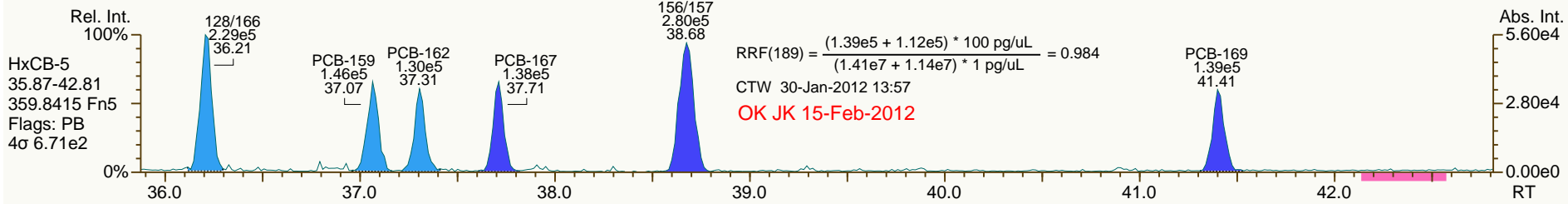
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

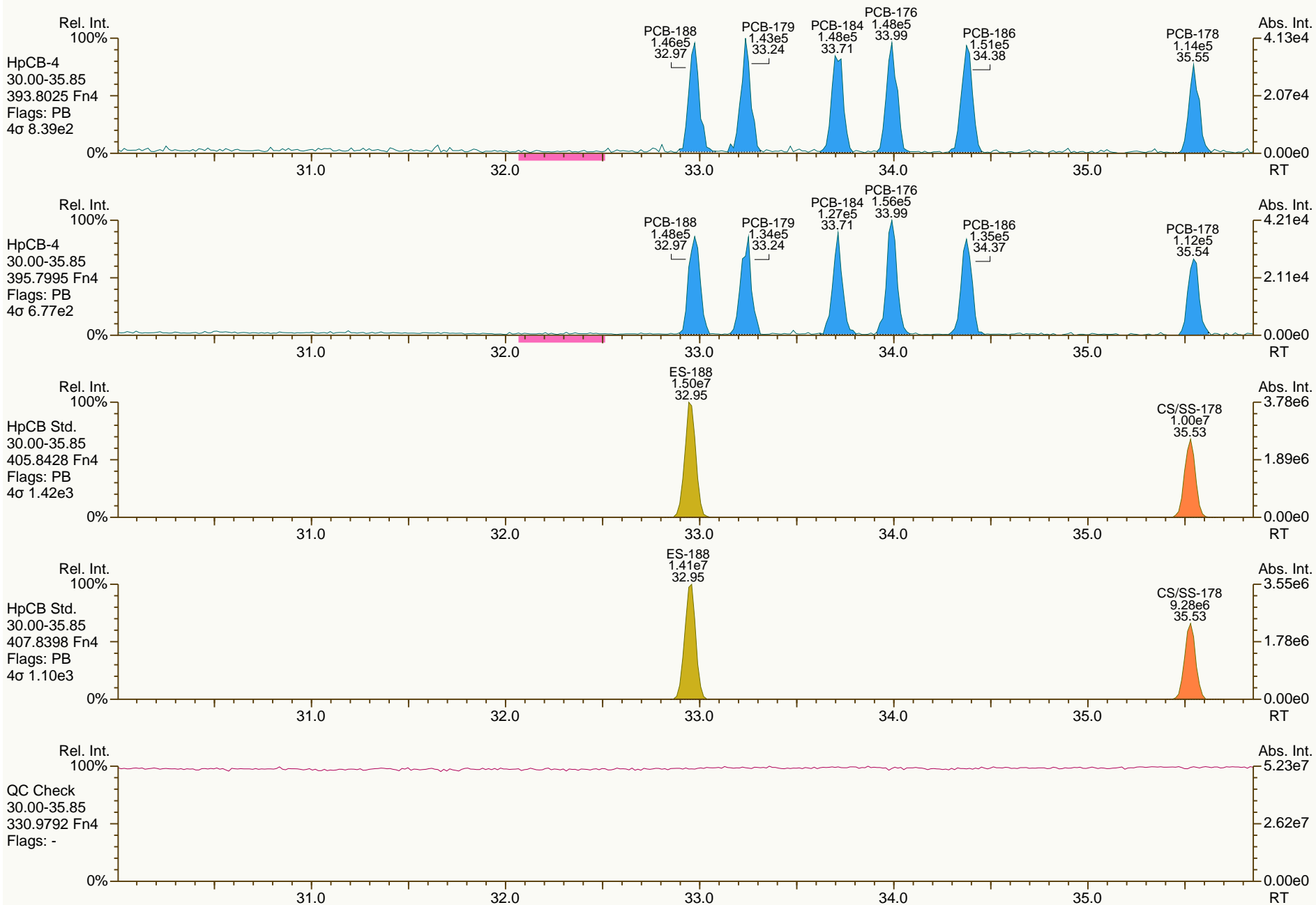
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

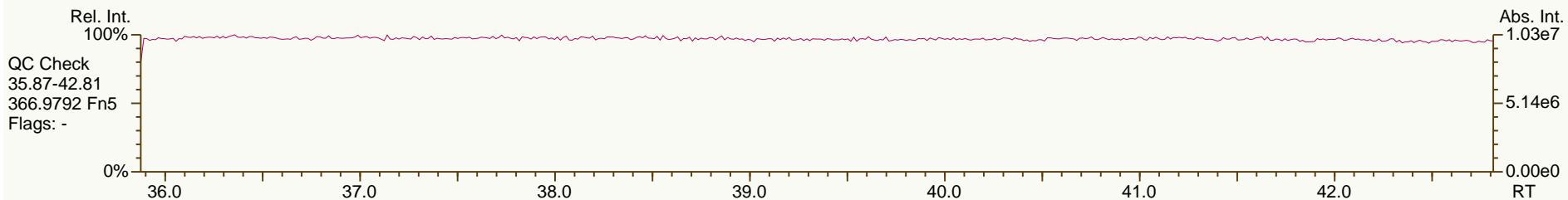
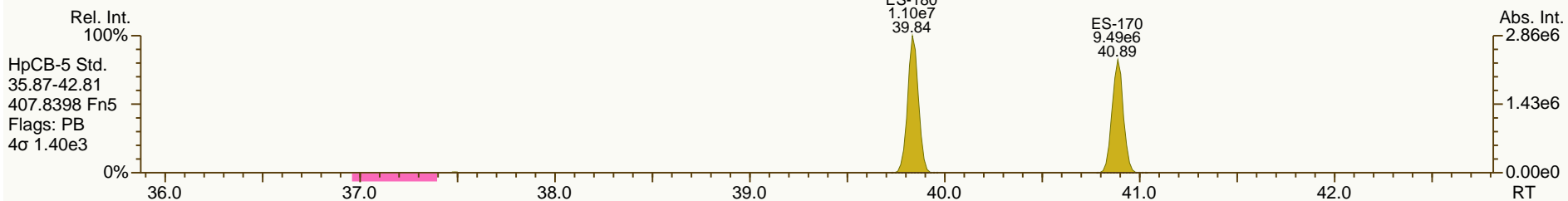
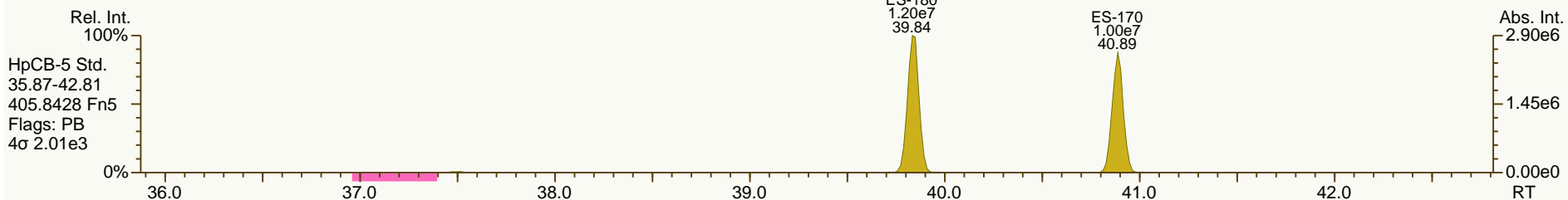
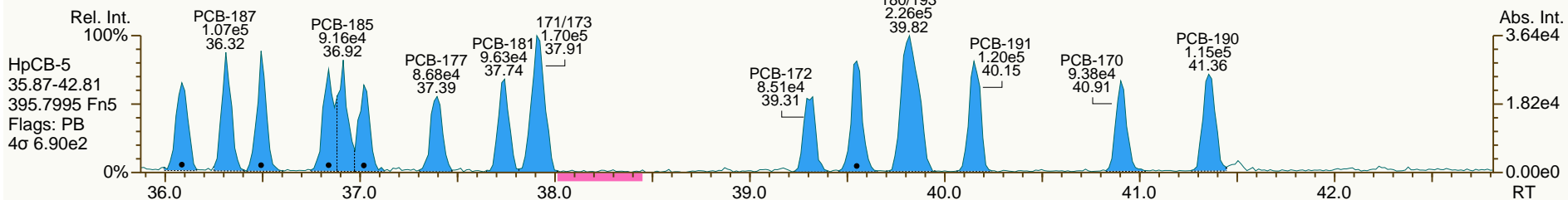
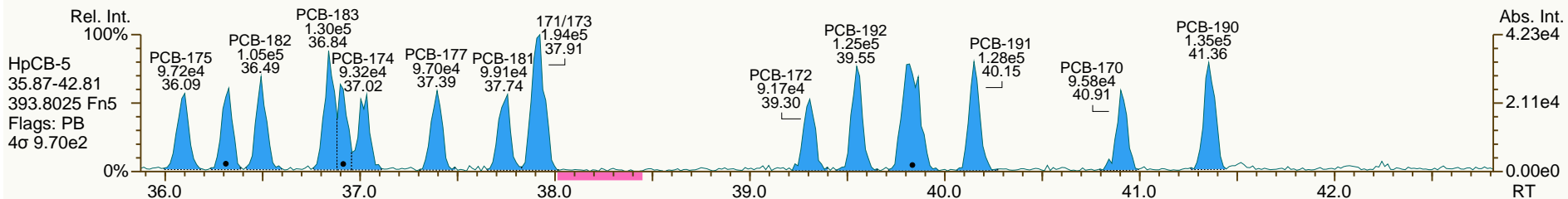
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

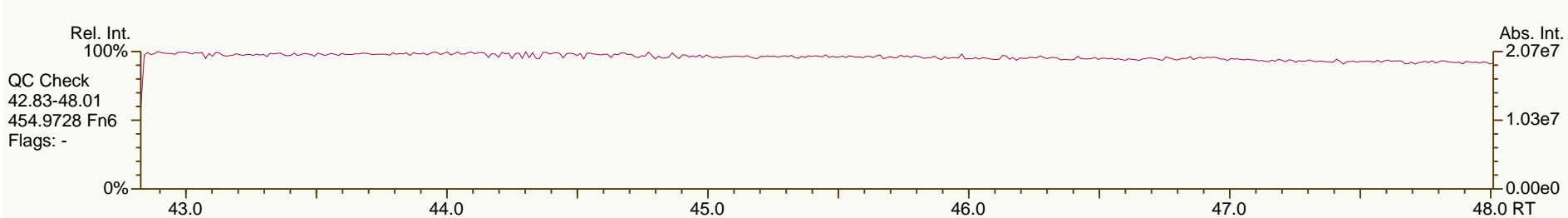
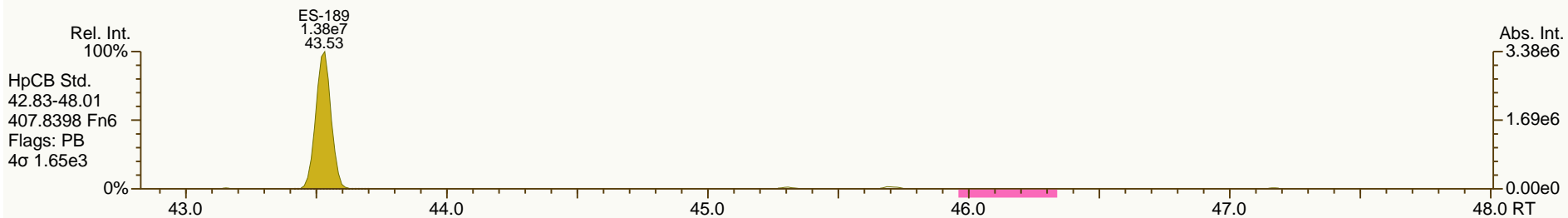
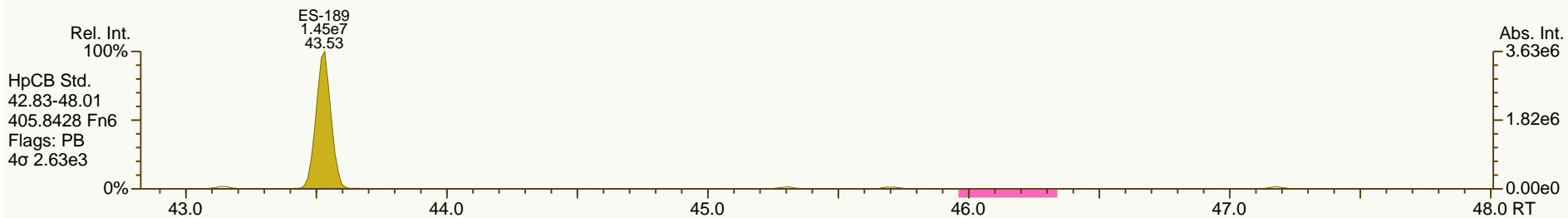
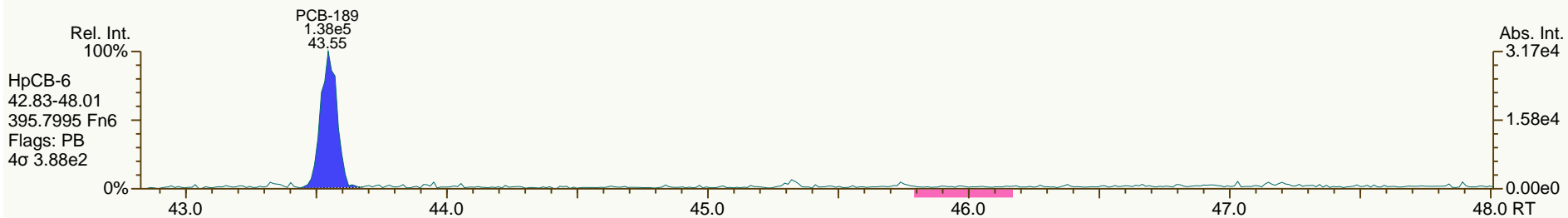
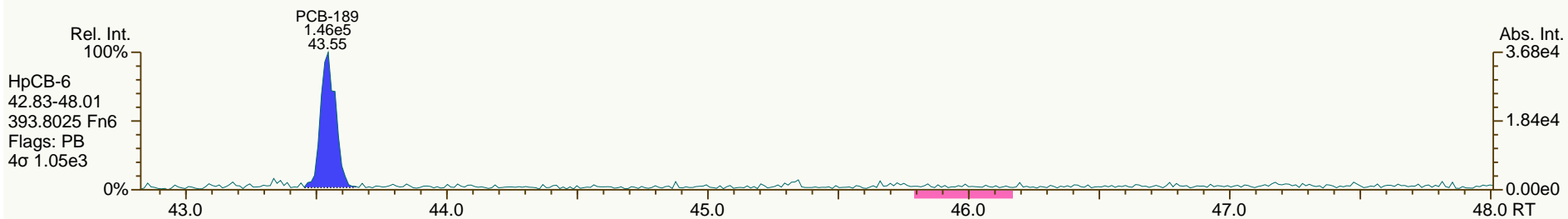
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

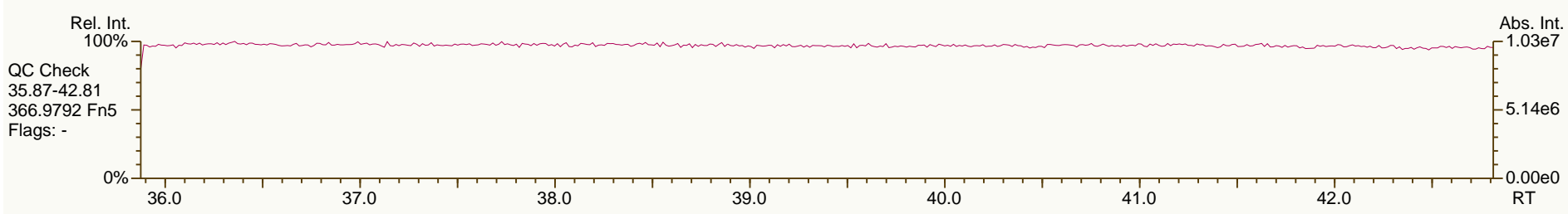
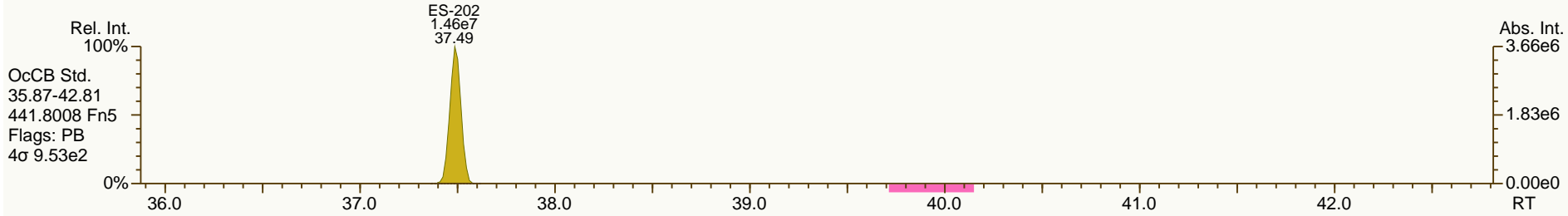
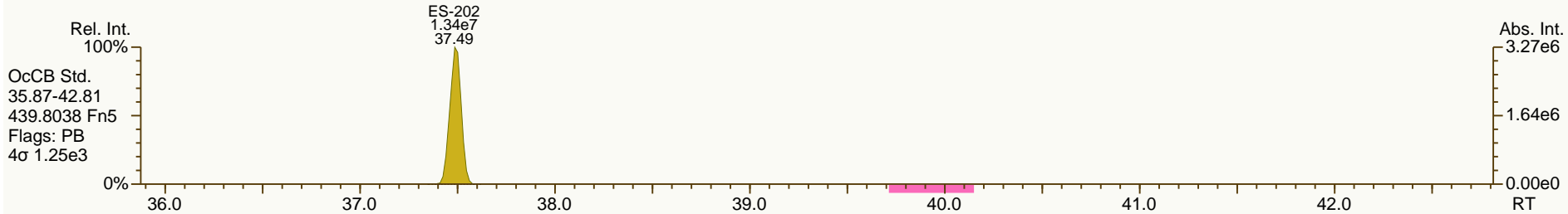
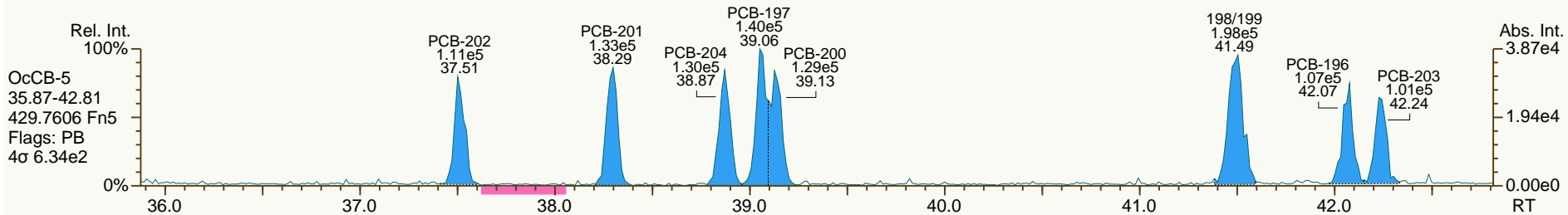
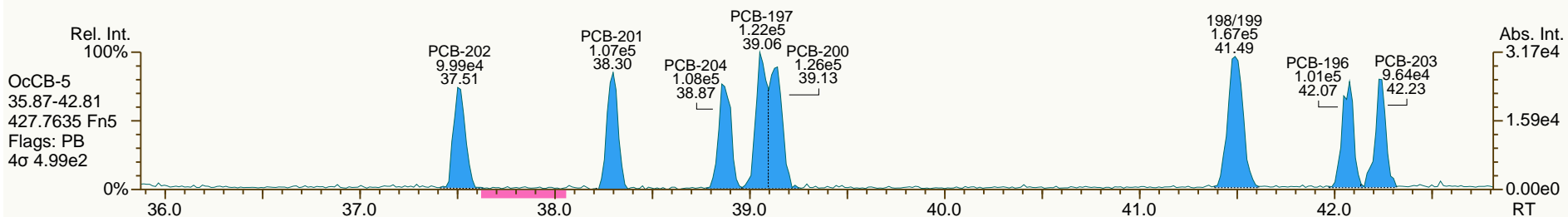
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

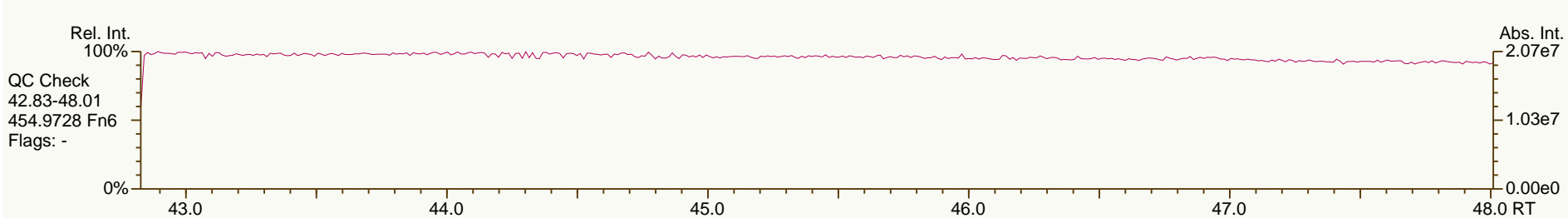
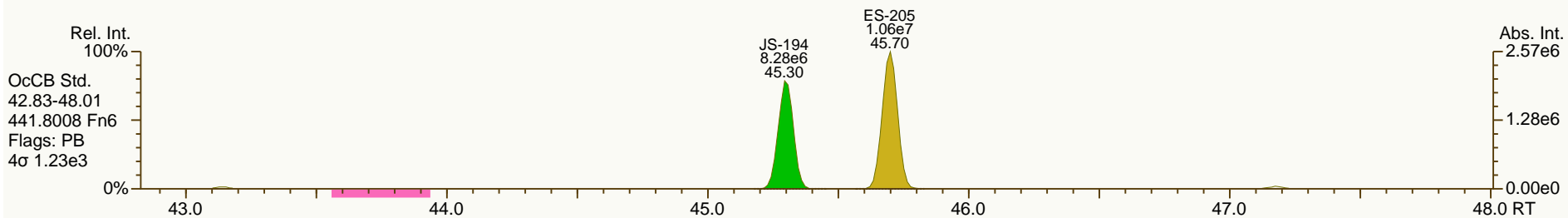
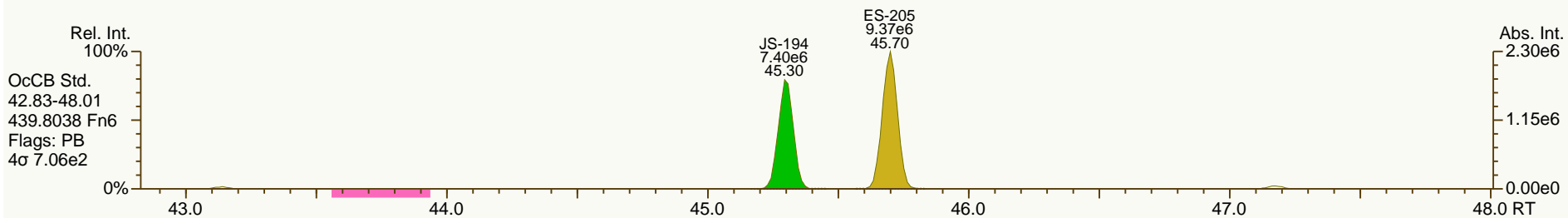
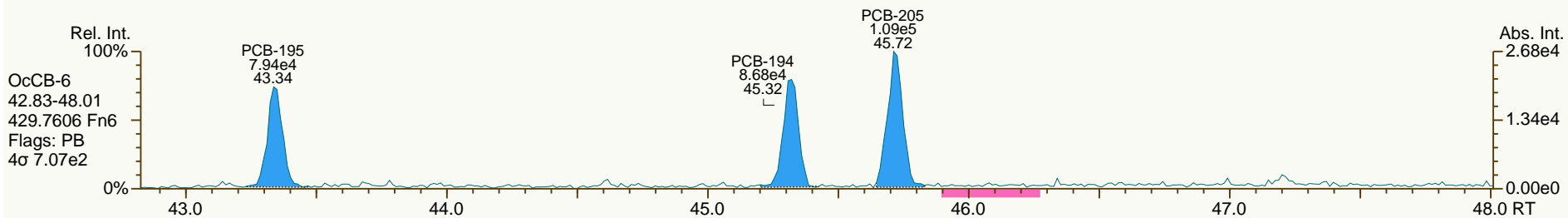
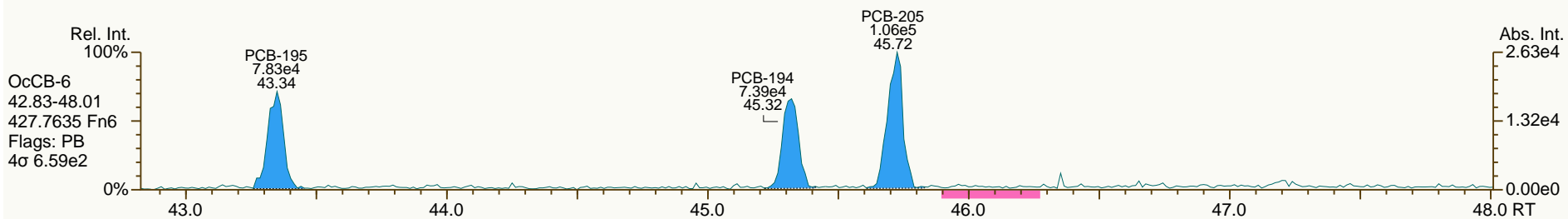
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

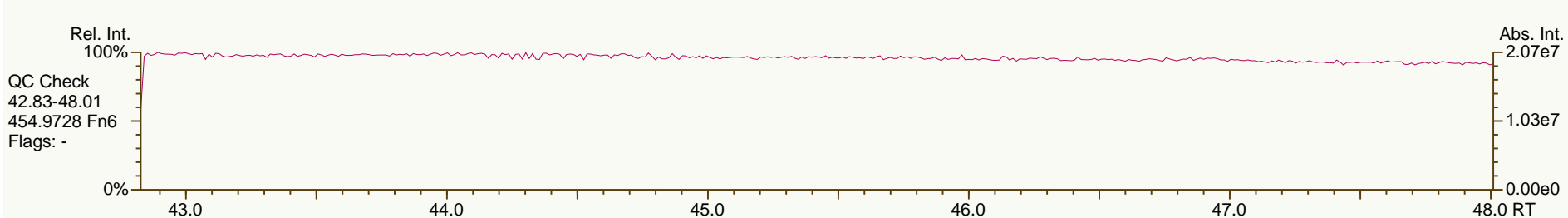
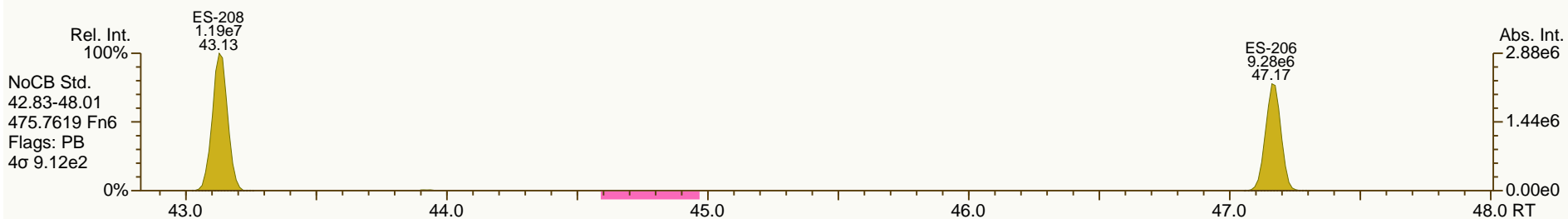
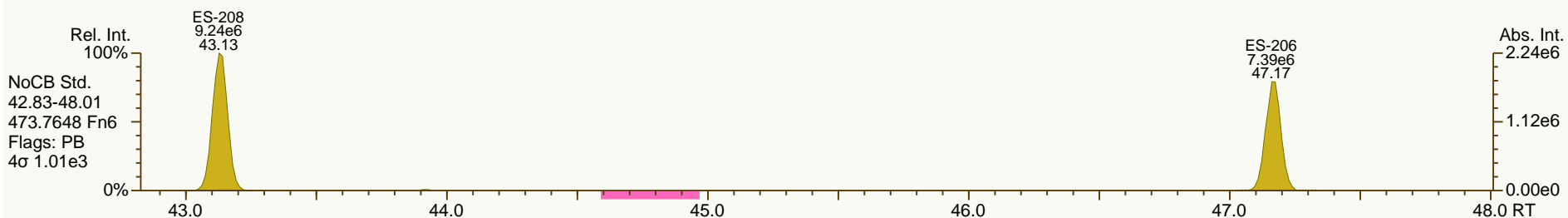
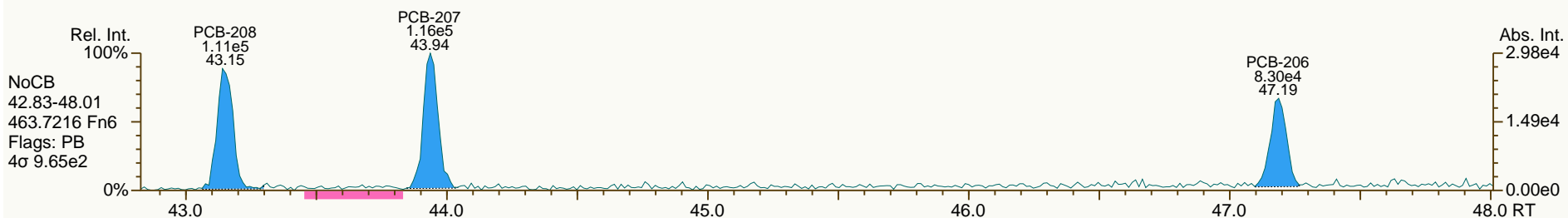
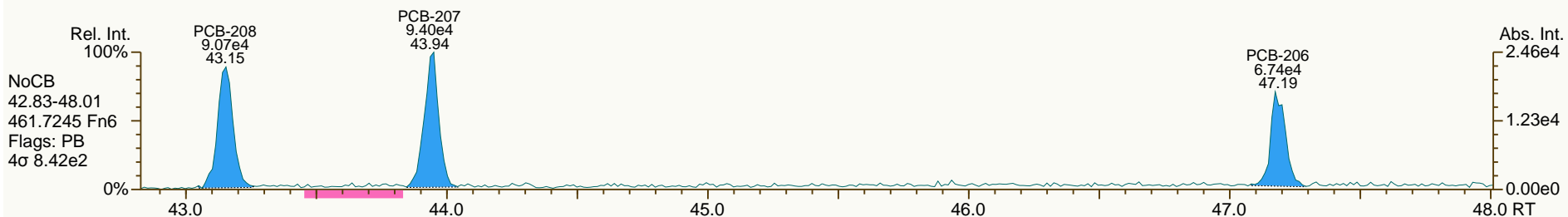
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

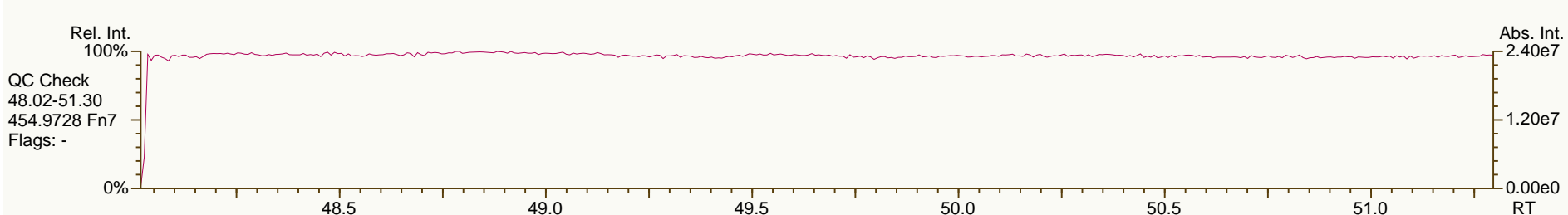
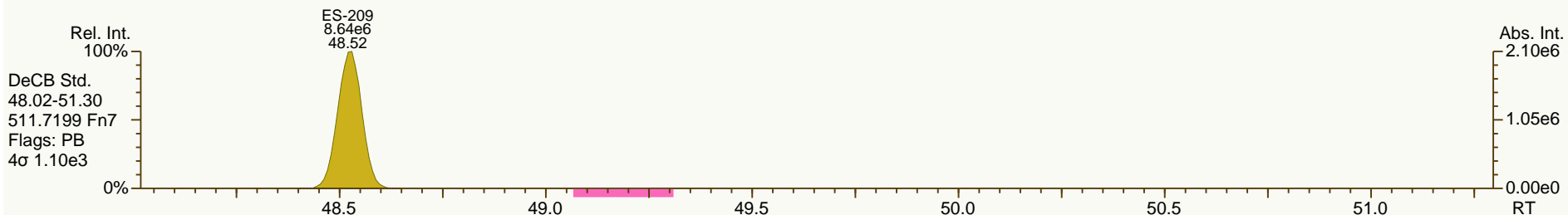
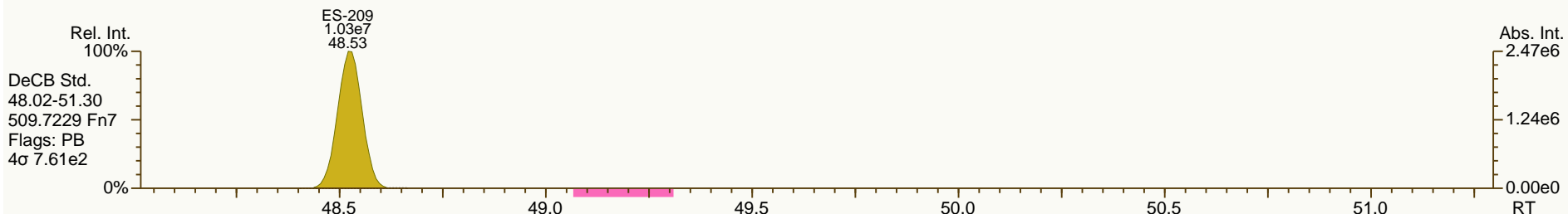
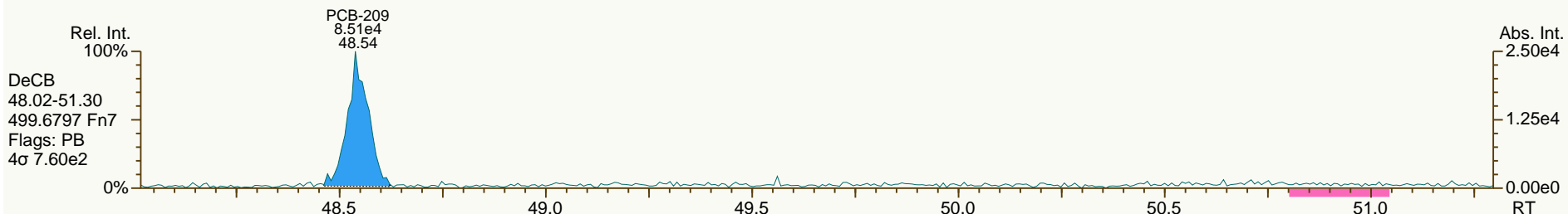
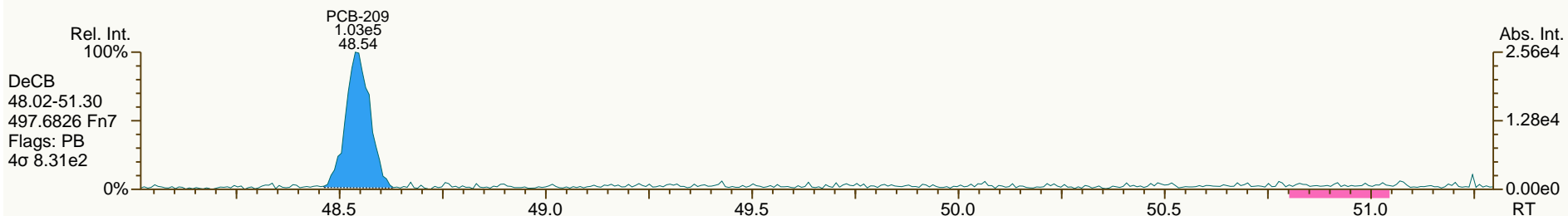
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 17:59							
Datafile:	120126S05							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.52	1.31E+06	0.77 Y	1.22	1.20	-2.4%		
PCB-81 344'5'-TeCB	30.05	1.24E+06	0.75 Y	1.24	1.20	-3.8%		
PCB-105 233'44'-PeCB	33.50	8.17E+05	0.64 Y	1.03	0.97	-6.0%		
PCB-114 2344'5'-PeCB	32.97	9.32E+05	0.62 Y	1.10	1.07	-2.5%		
PCB-118 23'44'5'-PeCB	32.52	8.41E+05	0.60 Y	1.03	0.95	-8.0%		
PCB-123 2'344'5'-PeCB	32.23	8.45E+05	0.61 Y	0.93	0.90	-2.3%		
PCB-126 33'44'5'-PeCB	36.12	1.02E+06	0.63 Y	1.11	1.09	-1.8%		
PCB-156/157 233'44'5'/233'44'5'	38.67	1.59E+06	1.24 Y	1.05	0.97	-7.3%		
PCB-167 23'44'55'-HxCB	37.71	8.63E+05	1.24 Y	1.08	1.06	-2.0%		
PCB-169 33'44'55'-HxCB	41.41	8.09E+05	1.28 Y	1.04	1.01	-3.5%		
PCB-189 233'44'55'-HpCB	43.55	9.71E+05	1.07 Y	1.11	1.07	-3.8%		
PCB-209 DeCB	48.55	6.02E+05	1.16 Y	1.05	0.99	-5.7%		
ES PCB-1	10.49	3.52E+07	3.13 Y	1.01	1.02	0.4%		
ES PCB-3	12.55	3.61E+07	3.22 Y	1.05	1.04	-1.0%		
ES PCB-4	12.77	2.39E+07	1.55 Y	0.70	0.69	-1.3%		
ES PCB-15	18.11	3.82E+07	1.61 Y	1.17	1.10	-6.0%		
ES PCB-19	15.61	1.92E+07	1.05 Y	0.57	0.55	-2.4%		
ES PCB-37	24.24	2.63E+07	1.08 Y	1.41	1.32	-6.8%		
ES PCB-54	18.36	2.70E+07	0.77 Y	1.32	1.35	2.0%		
ES PCB-77	30.51	2.19E+07	0.81 Y	1.22	1.09	-10.2%		
ES PCB-81	30.03	2.07E+07	0.80 Y	1.15	1.04	-9.9%		
ES PCB-104	23.19	2.64E+07	1.58 Y	1.69	1.80	6.8%		
ES PCB-105	33.48	1.69E+07	1.58 Y	1.21	1.16	-4.2%		
ES PCB-114	32.94	1.74E+07	1.62 Y	1.23	1.19	-3.5%		
ES PCB-118	32.49	1.77E+07	1.54 Y	1.25	1.21	-3.0%		
ES PCB-123	32.21	1.87E+07	1.59 Y	1.33	1.28	-3.7%		
ES PCB-126	36.10	1.87E+07	1.61 Y	1.36	1.28	-6.0%		
ES PCB-153	34.09	1.58E+07	1.30 Y	1.09	1.08	-0.1%		
ES PCB-155	28.10	2.15E+07	1.22 Y	1.40	1.48	5.3%		
ES PCB-156/157	38.65	3.28E+07	1.27 Y	1.13	1.13	-0.5%		
ES PCB-167	37.69	1.63E+07	1.26 Y	1.13	1.12	-1.0%		
ES PCB-169	41.39	1.61E+07	1.27 Y	1.14	1.10	-3.5%		
ES PCB-170	40.89	1.26E+07	1.04 Y	1.23	1.21	-1.6%		
ES PCB-180	39.84	1.52E+07	1.09 Y	1.46	1.46	-0.6%		
ES PCB-188	32.95	1.96E+07	1.04 Y	1.34	1.35	0.4%		
ES PCB-189	43.53	1.82E+07	1.05 Y	1.77	1.75	-1.0%		
ES PCB-202	37.49	1.85E+07	0.92 Y	1.27	1.27	-0.3%		
ES PCB-205	45.70	1.27E+07	0.88 Y	1.25	1.22	-2.1%		
ES PCB-206	47.17	1.10E+07	0.78 Y	1.07	1.06	-1.1%		
ES PCB-208	43.13	1.39E+07	0.78 Y	1.34	1.34	-0.1%		
ES PCB-209	48.53	1.22E+07	1.21 Y	1.18	1.17	-1.2%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	2.72E+07	1.08 Y	0.98	1.03	5.3%	
SS PCB-111	30.57	1.72E+07	1.57 Y	0.90	0.92	2.5%	
SS PCB-178	35.53	1.27E+07	1.03 Y	0.65	0.65	-0.3%	
CS PCB-28	20.78	2.72E+07	1.08 Y	1.39	1.36	-1.8%	
CS PCB-111	30.57	1.72E+07	1.57 Y	1.19	1.18	-1.3%	
CS PCB-178	35.53	1.27E+07	1.03 Y	0.87	0.87	0.1%	
JS PCB-9	14.60	3.47E+07	1.62 Y	-	-	-	
JS PCB-52	22.37	2.00E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	1.46E+07	1.59 Y	-	-	-	
JS PCB-138	35.13	1.46E+07	1.25 Y	-	-	-	
JS PCB-194	45.30	1.04E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.50	2.03E+06	3.16 Y	1.20	1.15	-3.7%	
PCB-3 4-MoCB	12.56	2.01E+06	3.19 Y	1.13	1.11	-1.7%	
PCB-4 22'-DiCB	12.78	1.12E+06	0.00 S	0.94	0.94	-0.9%	
PCB-15 44'-DiCB	18.12	1.94E+06	1.45 Y	1.01	1.02	1.3%	
PCB-19 22'6'-TrCB	15.63	9.39E+05	1.05 Y	1.01	0.98	-3.2%	
PCB-37 344'-TrCB	24.26	1.54E+06	1.00 Y	1.20	1.17	-2.1%	
PCB-54 22'66'-TeCB	18.38	1.25E+06	0.81 Y	0.93	0.93	-0.3%	
PCB-104 22'466'-PeCB	23.21	1.15E+06	0.62 Y	0.92	0.87	-5.1%	
PCB-153 22'44'55' -HxCB	34.13	1.72E+06	1.21 Y	1.15	1.09	-5.0%	
PCB-155 22'44'66'-HxCB	28.12	1.11E+06	1.28 Y	1.06	1.03	-2.5%	
PCB-170 22'33'44'5'-HpCB	40.91	6.07E+05	1.05 Y	1.00	0.96	-3.6%	
PCB-180 22'344'55'-HpCB	39.83	1.49E+06	1.12 Y	1.01	0.98	-2.9%	
PCB-188 22'34'566'-HpCB	32.97	1.04E+06	1.10 Y	1.07	1.06	-0.8%	
PCB-202 22'33'55'66'-OcCB	37.51	7.40E+05	0.89 Y	0.83	0.80	-3.0%	
PCB-205 233'44'55'6'-OcCB	45.72	6.65E+05	0.86 Y	1.09	1.04	-4.4%	
PCB-208 22'33'455'66'-NoCB	43.15	6.40E+05	0.82 Y	0.98	0.92	-5.7%	
PCB-206 22'33'44'55'6'-NoCB	47.19	4.98E+05	0.79 Y	0.93	0.91	-3.0%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	2.03E+06	3.16 Y	1.20	1.15	-3.7%	
PCB-2 3-MoCB	12.39	2.01E+06	3.17 Y	1.13	1.11	-1.5%	
PCB-3 4-MoCB	12.56	2.01E+06	3.19 Y	1.13	1.11	-1.7%	
PCB-4 22'-DiCB	12.78	1.12E+06	0.00 S	0.94	0.94	-0.9%	
PCB-10 26-DiCB	12.95	1.71E+06	1.49 Y	1.43	1.43	0.2%	
PCB-9 25-DiCB	14.62	1.72E+06	1.52 Y	0.87	0.90	3.8%	
PCB-7 24-DiCB	14.77	2.10E+06	1.33 Y	1.00	1.10	9.5%	
PCB-6 23'-DiCB	14.98	1.91E+06	1.40 Y	0.94	1.00	6.8%	
PCB-5 23-DiCB	15.25	1.87E+06	1.37 Y	0.92	0.98	6.4%	
PCB-8 24'-DiCB	15.37	1.88E+06	1.50 Y	0.95	0.99	3.9%	
PCB-14 35-DiCB	16.84	2.10E+06	1.49 Y	1.09	1.10	0.4%	
PCB-11 33'-DiCB	17.58	1.81E+06	1.47 Y	0.98	0.95	-2.8%	
PCB-13/12 34'-/34-DiCB	17.85	3.64E+06	1.53 Y	0.97	0.95	-1.7%	
PCB-15 44'-DiCB	18.12	1.94E+06	1.45 Y	1.01	1.02	1.3%	
PCB-19 22'6-TrCB	15.63	9.39E+05	1.05 Y	1.01	0.98	-3.2%	
PCB-30/18 246-/22'5-TrCB	17.30	2.43E+06	1.04 Y	1.29	1.27	-1.9%	
PCB-17 22'4-TrCB	17.68	1.06E+06	1.03 Y	1.14	1.11	-2.6%	
PCB-27 23'6-TrCB	17.87	1.35E+06	1.05 Y	1.48	1.41	-5.0%	
PCB-24 236-TrCB	17.99	1.32E+06	1.03 Y	1.43	1.38	-3.6%	
PCB-16 22'3-TrCB	18.07	8.34E+05	1.07 Y	0.89	0.87	-2.7%	
PCB-32 24'6-TrCB	18.54	1.45E+06	1.10 Y	1.56	1.51	-2.8%	
PCB-34 2'35-TrCB	19.66	1.59E+06	1.12 Y	1.18	1.21	2.5%	
PCB-23 235-TrCB	19.80	1.61E+06	1.04 Y	1.19	1.23	3.5%	
PCB-26/29 23'5-/245-TrCB	20.08	3.27E+06	1.04 Y	1.20	1.24	3.6%	
PCB-25 23'4-TrCB	20.27	1.63E+06	1.03 Y	1.19	1.24	4.1%	
PCB-31 24'5-TrCB	20.54	1.65E+06	1.08 Y	1.23	1.25	2.4%	
PCB-28/20 244'-/233'-TrCB	20.81	3.19E+06	1.05 Y	1.18	1.21	2.7%	
PCB-21/33 234-/2'34-TrCB	20.97	3.26E+06	1.02 Y	1.21	1.24	2.2%	
PCB-22 234'-TrCB	21.34	1.49E+06	1.04 Y	1.11	1.13	1.5%	
PCB-36 33'5-TrCB	22.71	1.60E+06	1.03 Y	1.21	1.22	0.4%	
PCB-39 34'5-TrCB	23.02	1.68E+06	1.04 Y	1.32	1.28	-2.8%	
PCB-38 345-TrCB	23.52	1.50E+06	1.03 Y	1.15	1.14	-1.3%	
PCB-35 33'4-TrCB	23.91	1.47E+06	1.05 Y	1.13	1.12	-1.5%	
PCB-37 344'-TrCB	24.26	1.54E+06	1.00 Y	1.20	1.17	-2.1%	
PCB-54 22'66'-TeCB	18.38	1.25E+06	0.81 Y	0.93	0.93	-0.3%	
PCB-50/53 22'46-/22'56'TeCB	20.31	1.86E+06	0.78 Y	0.83	0.90	7.6%	
PCB-45 22'36'-TeCB	20.86	8.01E+05	0.79 Y	0.71	0.77	9.5%	
PCB-51 22'46'-TeCB	20.94	9.75E+05	0.79 Y	0.88	0.94	7.1%	
PCB-46 22'36'-TeCB	21.13	7.73E+05	0.80 Y	0.69	0.75	7.3%	
PCB-52 22'55'-TeCB	22.39	8.95E+05	0.78 Y	0.80	0.86	7.5%	
PCB-73 23'5'6TeCB	22.51	1.14E+06	0.77 Y	1.03	1.10	6.0%	
PCB-43 22'35'-TeCB	22.60	7.49E+05	0.78 Y	0.71	0.72	2.3%	
PCB-69/49 23'46-/22'45'TeCB	22.80	2.07E+06	0.78 Y	0.96	1.00	4.0%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.06	9.04E+05	0.82 Y	0.84	0.87		4.4%
PCB-44/47/65 22'35'-/22'44'-	23.27	2.76E+06	0.77 Y	0.86	0.89		3.4%
PCB-59/62/75 233'6'-/2346-/24	23.54	3.56E+06	0.77 Y	1.09	1.14		4.7%
PCB-42 22'34'-TeCB	23.70	8.16E+05	0.78 Y	0.77	0.79		2.8%
PCB-41 22'34'-TeCB	24.02	7.90E+05	0.77 Y	0.73	0.76		5.0%
PCB-71/40 23'4'6/22'33'-TeCB	24.12	1.76E+06	0.76 Y	0.81	0.85		4.2%
PCB-64 234'6'-TeCB	24.32	1.25E+06	0.80 Y	1.17	1.20		2.9%
PCB-72 23'55'-TeCB	25.06	1.33E+06	0.76 Y	1.25	1.28		2.5%
PCB-68 23'45'-TeCB	25.30	1.42E+06	0.77 Y	1.36	1.37		0.7%
PCB-57 233'5'-TeCB	25.66	1.31E+06	0.78 Y	1.22	1.26		3.2%
PCB-58 233'5'-TeCB	25.86	1.31E+06	0.77 Y	1.26	1.26		0.3%
PCB-67 23'45'-TeCB	26.01	1.29E+06	0.73 Y	1.27	1.25		-2.3%
PCB-63 234'5'-TeCB	26.23	1.39E+06	0.80 Y	1.34	1.34		0.2%
PCB-61/70/74/76 2345-/23'4'5	26.52	5.17E+06	0.78 Y	1.24	1.25		0.2%
PCB-66 23'44'-TeCB	26.79	1.26E+06	0.77 Y	1.19	1.21		2.0%
PCB-55 233'4'-TeCB	26.93	1.24E+06	0.81 Y	1.22	1.20		-1.5%
PCB-56 233'4'-TeCB	27.36	1.22E+06	0.79 Y	1.18	1.18		0.2%
PCB-60 2344'-TeCB	27.55	1.28E+06	0.78 Y	1.24	1.24		0.0%
PCB-80 33'55'-TeCB	27.92	1.43E+06	0.77 Y	1.37	1.38		0.3%
PCB-79 33'45'-TeCB	29.21	1.39E+06	0.79 Y	1.37	1.34		-2.0%
PCB-78 33'45'-TeCB	29.68	1.21E+06	0.82 Y	1.19	1.16		-2.5%
PCB-104 22'466'-PeCB	23.21	1.15E+06	0.62 Y	0.92	0.87		-5.1%
PCB-96 22'366'-PeCB	23.51	1.05E+06	0.63 Y	0.81	0.80		-1.7%
PCB-103 22'45'6'-PeCB	25.21	7.60E+05	0.61 Y	0.78	0.81		4.9%
PCB-94 22'356'-PeCB	25.39	6.83E+05	0.62 Y	0.71	0.73		2.6%
PCB-95 22'35'6'-PeCB	25.76	7.07E+05	0.60 Y	0.74	0.76		2.0%
PCB-100/93 22'44'6-/22'356-P	25.97	1.42E+06	0.59 Y	0.75	0.76		2.2%
PCB-102 22'456'-PeCB	26.08	6.98E+05	0.62 Y	0.75	0.75		-0.2%
PCB-98 22'3'46'-PeCB	26.14	6.85E+05	0.65 Y	0.71	0.73		3.1%
PCB-88 22'346'-PeCB	26.43	6.20E+05	0.60 Y	0.66	0.66		-0.2%
PCB-91 22'34'6'-PeCB	26.50	7.68E+05	0.65 Y	0.84	0.82		-2.1%
PCB-84 22'33'6'-PeCB	26.68	6.38E+05	0.63 Y	0.65	0.68		5.0%
PCB-89 22'346'-PeCB	27.09	6.46E+05	0.64 Y	0.69	0.69		0.5%
PCB-121 23'45'6'-PeCB	27.48	9.22E+05	0.60 Y	0.98	0.99		0.3%
PCB-92 22'355'-PeCB	27.79	6.72E+05	0.63 Y	0.72	0.72		0.5%
PCB-113/90/101 233'5'6-/22'3	28.27	2.26E+06	0.62 Y	0.81	0.81		-0.2%
PCB-83 22'33'5'-PeCB	28.68	5.55E+05	0.62 Y	0.62	0.59		-4.6%
PCB-99 22'44'5'-PeCB	28.79	7.32E+05	0.61 Y	0.76	0.78		2.4%
PCB-112 233'56'-PeCB	28.88	8.90E+05	0.61 Y	0.96	0.95		-1.2%
PCB-108/119/86/97/125/87 233	29.22	4.63E+06	0.61 Y	0.83	0.83		0.0%
PCB-117 234'56'-PeCB	29.76	8.97E+05	0.59 Y	0.94	0.96		2.1%
PCB-116/85 23456-/22'344'-Pe	29.83	1.46E+06	0.60 Y	0.81	0.78		-3.2%
PCB-110 233'4'6'-PeCB	29.96	8.57E+05	0.60 Y	0.92	0.92		-0.4%

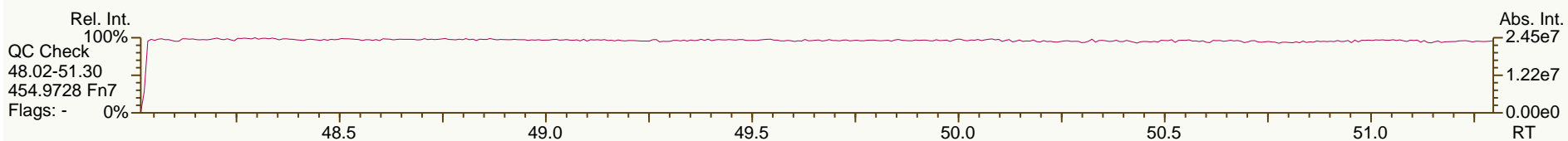
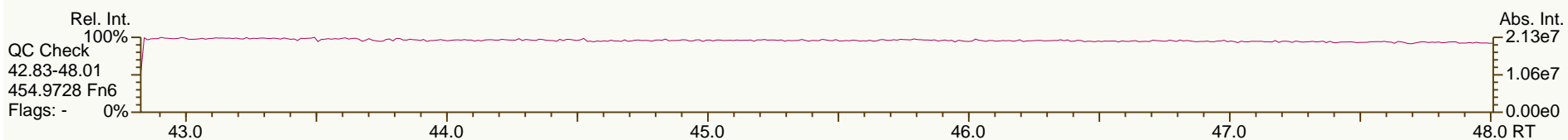
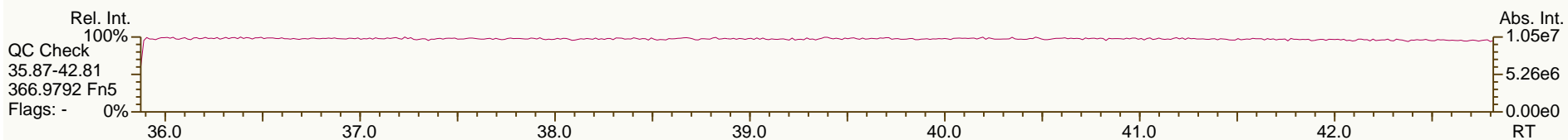
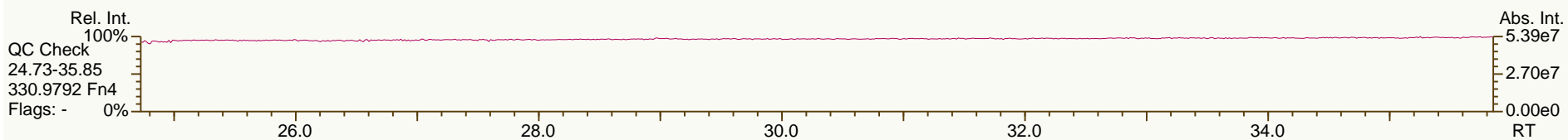
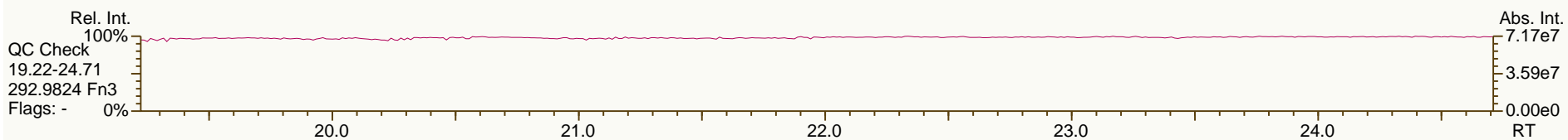
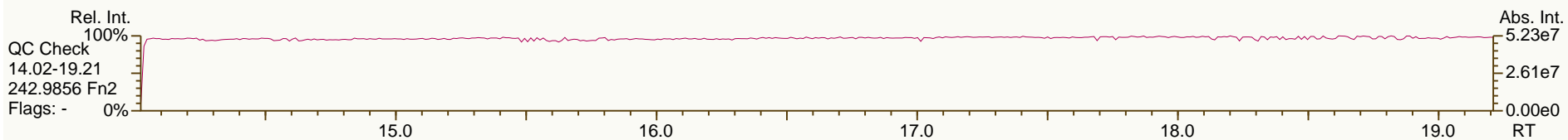
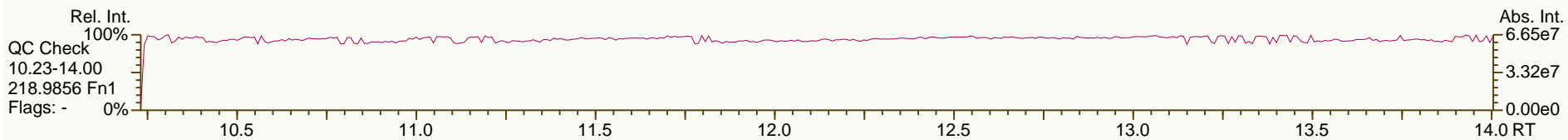
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	30.04	8.56E+05	0.59 Y	0.95	0.92	-3.4%	
PCB-82 22'33'4'-PeCB	30.22	5.53E+05	0.58 Y	0.62	0.59	-3.9%	
PCB-111 233'55'-PeCB	30.59	8.62E+05	0.62 Y	0.98	0.92	-6.4%	
PCB-120 23'455'-PeCB	30.98	9.15E+05	0.62 Y	0.99	0.98	-1.3%	
PCB-107/124 233'4'5'-/2'3455'	31.93	1.66E+06	0.59 Y	0.92	0.89	-3.6%	
PCB-109 233'46'-PeCB	32.14	8.97E+05	0.62 Y	1.00	0.96	-3.5%	
PCB-106 233'45'-PeCB	32.34	8.58E+05	0.60 Y	0.96	0.92	-4.6%	
PCB-122 2'33'45'-PeCB	32.80	7.90E+05	0.59 Y	0.93	0.91	-2.2%	
PCB-127 33'455'-PeCB	34.77	8.49E+05	0.62 Y	1.04	1.00	-3.5%	
PCB-155 22'44'66'-HxCB	28.12	1.11E+06	1.28 Y	1.06	1.03	-2.5%	
PCB-152 22'3566'-HxCB	28.25	1.03E+06	1.24 Y	0.98	0.96	-2.2%	
PCB-150 22'34'66'-HxCB	28.40	1.03E+06	1.15 Y	0.99	0.96	-2.8%	
PCB-136 22'33'66'-HxCB	28.69	9.37E+05	1.22 Y	0.92	0.87	-5.3%	
PCB-145 22'3466'HxCB	28.96	9.47E+05	1.19 Y	0.94	0.88	-6.2%	
PCB-148 22'34'56'-HxCB	30.26	7.33E+05	1.27 Y	0.95	0.93	-2.0%	
PCB-151/135 22'355'6'-/22'33'	30.77	1.43E+06	1.16 Y	0.92	0.90	-1.5%	
PCB-154 22'44'5'6'-HxCB	30.99	7.83E+05	1.19 Y	1.01	0.99	-2.3%	
PCB-144 22'345'6'-HxCB	31.24	7.47E+05	1.23 Y	0.93	0.95	1.6%	
PCB-147/149 22'34'56'-/22'34'	31.54	1.48E+06	1.27 Y	0.94	0.94	0.1%	
PCB-134 22'33'56'-HxCB	31.70	6.02E+05	1.20 Y	0.78	0.76	-2.7%	
PCB-143 22'3456'-HxCB	31.78	6.93E+05	1.19 Y	0.90	0.88	-2.0%	
PCB-139/140 22'344'6'-/22'344'	32.05	1.45E+06	1.27 Y	0.95	0.92	-3.0%	
PCB-131 22'33'46'-HxCB	32.21	6.36E+05	1.28 Y	0.84	0.81	-3.7%	
PCB-142 22'3456'-HxCB	32.35	6.49E+05	1.24 Y	0.87	0.82	-5.6%	
PCB-132 22'33'46'-HxCB	32.59	6.56E+05	1.32 Y	0.88	0.83	-5.1%	
PCB-133 22'33'55'-HxCB	33.04	6.71E+05	1.24 Y	0.89	0.85	-4.4%	
PCB-165 233'55'6'-HxCB	33.38	7.89E+05	1.17 Y	1.06	1.00	-6.1%	
PCB-146 22'34'55'-HxCB	33.59	7.33E+05	1.29 Y	0.94	0.93	-1.6%	
PCB-161 233'45'6'-HxCB	33.71	9.30E+05	1.19 Y	1.20	1.18	-1.6%	
PCB-153/168 22'44'55'-/23'44'	34.13	1.72E+06	1.21 Y	1.15	1.09	-5.0%	
PCB-141 22'3455'-HxCB	34.27	7.01E+05	1.16 Y	0.91	0.89	-2.7%	
PCB-130 22'33'45'-HxCB	34.61	6.17E+05	1.19 Y	0.82	0.78	-4.8%	
PCB-137 22'344'5'-HxCB	34.80	6.85E+05	1.24 Y	1.00	0.87	-13.5%	
PCB-164 233'4'5'6'-HxCB	34.89	9.11E+05	1.21 Y	1.14	1.15	1.5%	
PCB-163/138/129 233'4'56'-/22'	35.17	2.26E+06	1.23 Y	0.98	0.96	-2.9%	
PCB-160 233'456'-HxCB	35.30	8.47E+05	1.22 Y	1.14	1.07	-6.1%	
PCB-158 233'44'6'-HxCB	35.49	9.25E+05	1.18 Y	1.24	1.17	-5.8%	
PCB-128/166 22'33'44'-/2344'5	36.21	1.34E+06	1.27 Y	0.86	0.82	-5.1%	
PCB-159 233'455'-HxCB	37.07	8.08E+05	1.31 Y	1.03	0.99	-3.5%	
PCB-162 233'4'55'-HxCB	37.31	7.77E+05	1.22 Y	1.04	0.95	-8.3%	
PCB-188 22'34'566'-HpCB	32.97	1.04E+06	1.10 Y	1.07	1.06	-0.8%	
PCB-179 22'33'566'-HpCB	33.24	9.63E+05	0.99 Y	0.98	0.98	0.5%	
PCB-184 22'344'66'-HpCB	33.71	9.33E+05	1.07 Y	0.97	0.95	-2.1%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
Lab ID:	CS2_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	1.04E+06	1.12 Y	1.06	1.06	-0.3%	
PCB-186 22'34566'-HpCB	34.38	9.54E+05	1.02 Y	1.02	0.97	-4.3%	
PCB-178 22'33'55'6'-HpCB	35.55	7.11E+05	1.08 Y	0.77	0.73	-6.0%	
PCB-175 22'33'45'6'-HpCB	36.09	6.30E+05	0.98 Y	0.89	0.83	-6.9%	
PCB-187 22'34'55'6'-HpCB	36.32	6.73E+05	1.04 Y	0.94	0.89	-5.1%	
PCB-182 22'344'56'-HpCB	36.49	6.82E+05	0.99 Y	0.95	0.90	-5.3%	
PCB-183 22'344'5'6'-HpCB	36.84	6.44E+05	0.99 Y	0.96	0.85	-11.2%	
PCB-185 22'3455'6'-HpCB	36.91	6.92E+05	1.00 Y	0.93	0.91	-1.9%	
PCB-174 22'33'456'-HpCB	37.02	6.02E+05	1.06 Y	0.80	0.79	-0.8%	
PCB-177 22'33'4'56'-HpCB	37.39	5.78E+05	0.99 Y	0.82	0.76	-6.5%	
PCB-181 22'344'56'-HpCB	37.74	6.54E+05	1.09 Y	0.91	0.86	-5.6%	
PCB-171/173 22'33'44'6'-/22'3	37.92	1.16E+06	1.03 Y	0.81	0.77	-5.6%	
PCB-172 22'33'455'-HpCB	39.31	5.98E+05	1.05 Y	0.83	0.79	-4.6%	
PCB-192 233'455'6'-HpCB	39.55	7.68E+05	1.04 Y	1.09	1.01	-7.3%	
PCB-180/193 22'344'55'-/233'	39.83	1.49E+06	1.12 Y	1.01	0.98	-2.9%	
PCB-191 233'44'5'6'-HpCB	40.15	8.05E+05	1.06 Y	1.13	1.06	-6.3%	
PCB-170 22'33'44'5'-HpCB	40.91	6.07E+05	1.05 Y	1.00	0.96	-3.6%	
PCB-190 233'44'56'-HpCB	41.36	8.06E+05	1.05 Y	1.35	1.28	-5.6%	
PCB-202 22'33'55'66'-OcCB	37.51	7.40E+05	0.89 Y	0.83	0.80	-3.0%	
PCB-201 22'33'45'66'-OcCB	38.29	8.45E+05	0.85 Y	0.93	0.92	-1.1%	
PCB-204 22'344'566'-OcCB	38.87	7.91E+05	0.86 Y	0.89	0.86	-3.8%	
PCB-197 22'33'44'66'-OcCB	39.06	7.81E+05	0.86 Y	0.91	0.85	-7.2%	
PCB-200 22'33'4566'-OcCB	39.14	8.15E+05	0.89 Y	0.93	0.88	-4.9%	
PCB-198/199 22'33'455'6'-/22'	41.49	1.21E+06	0.85 Y	0.68	0.66	-3.9%	
PCB-196 22'33'44'56'-OcCB	42.07	6.21E+05	0.86 Y	0.72	0.67	-6.2%	
PCB-203 22'344'55'6'-OcCB	42.24	6.60E+05	0.87 Y	0.74	0.71	-3.0%	
PCB-195 22'33'44'56'-OcCB	43.34	5.02E+05	0.86 Y	0.81	0.79	-2.8%	
PCB-194 22'33'44'55'-OcCB	45.32	5.38E+05	0.85 Y	0.86	0.84	-1.5%	
PCB-205 233'44'55'6'-OcCB	45.72	6.65E+05	0.86 Y	1.09	1.04	-4.4%	
PCB-208 22'33'455'66'-NoCB	43.15	6.40E+05	0.82 Y	0.98	0.92	-5.7%	
PCB-207 22'33'44'566'-NoCB	43.94	6.79E+05	0.74 Y	1.02	0.98	-3.9%	
PCB-206 22'33'44'55'6'-NoCB	47.19	4.98E+05	0.79 Y	0.93	0.91	-3.0%	

AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

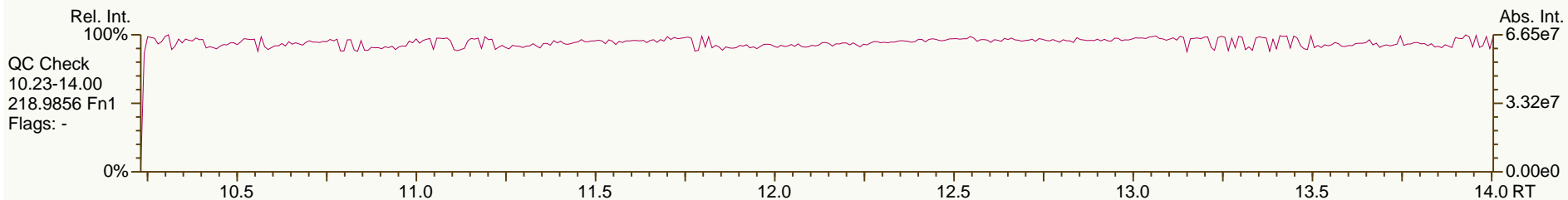
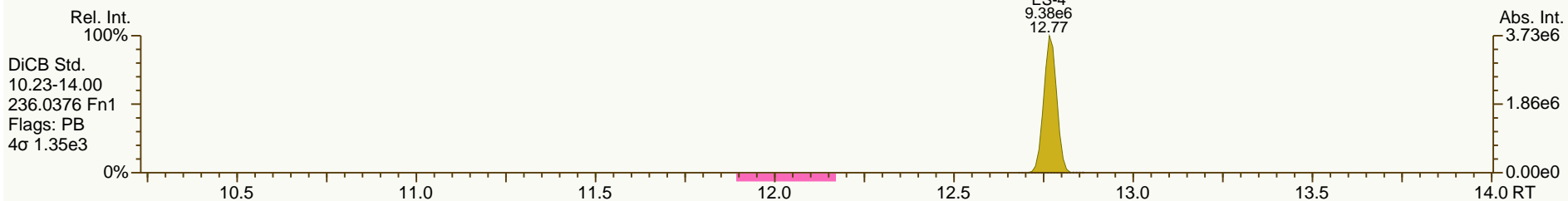
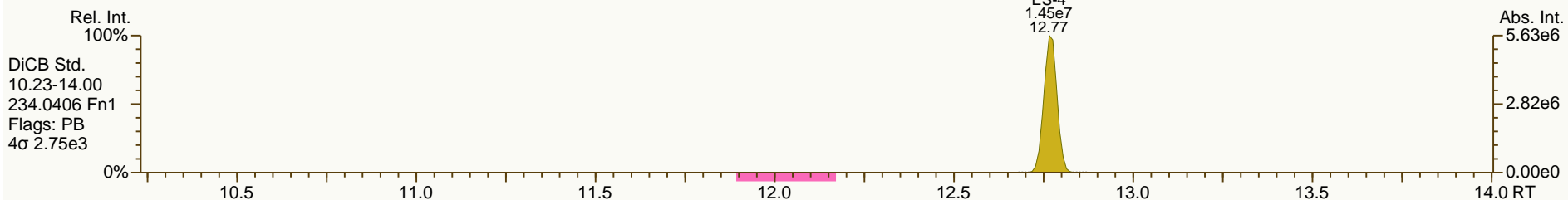
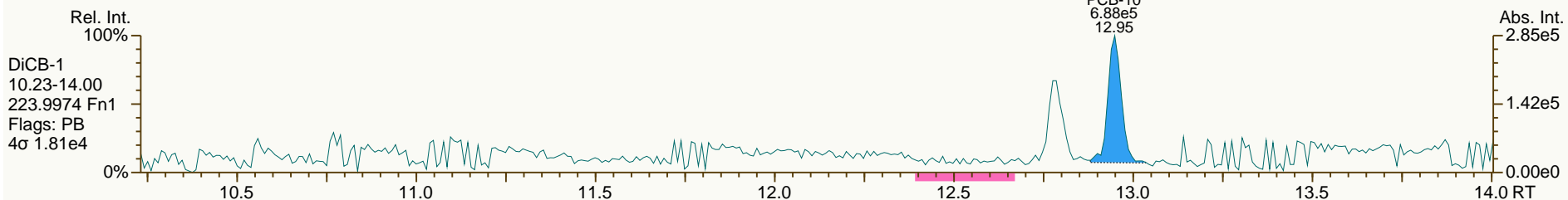
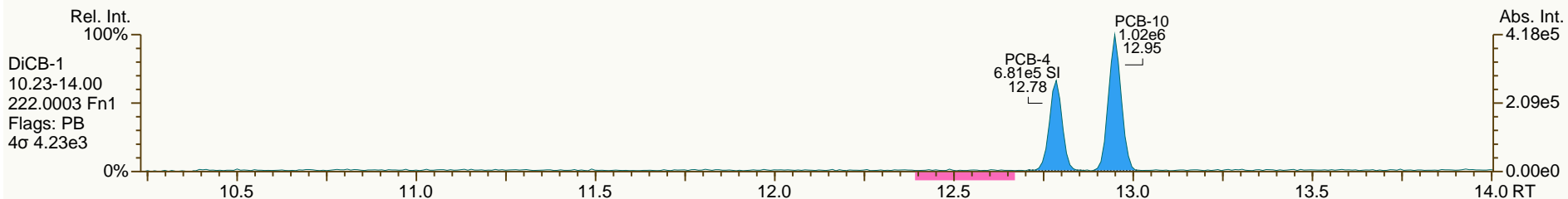
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

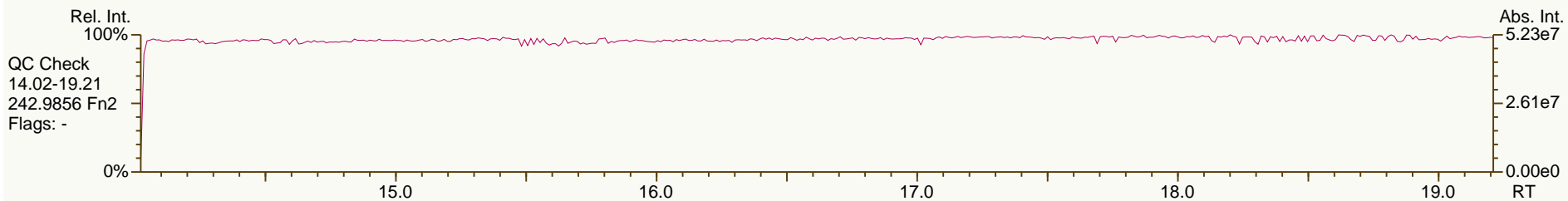
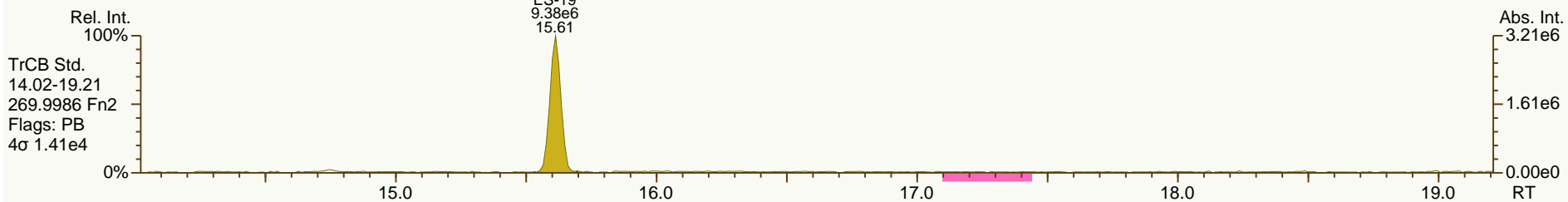
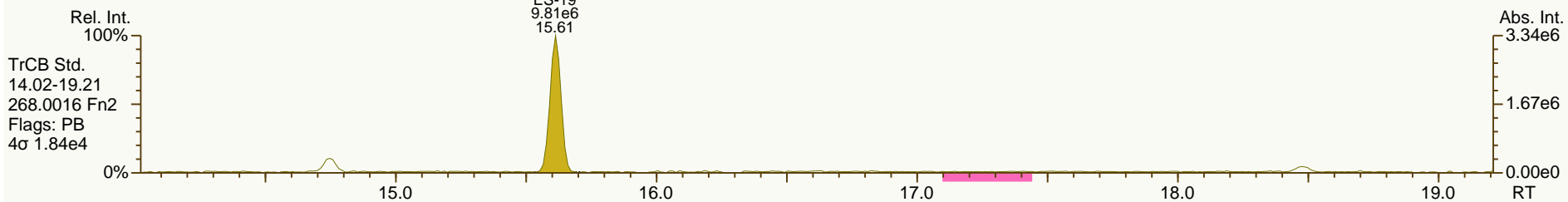
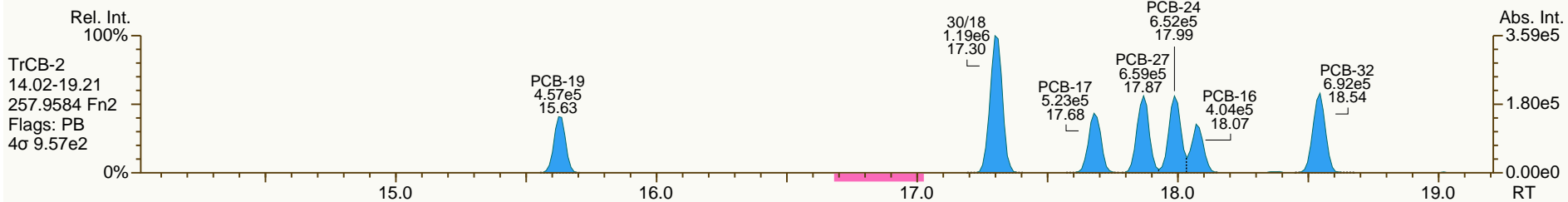
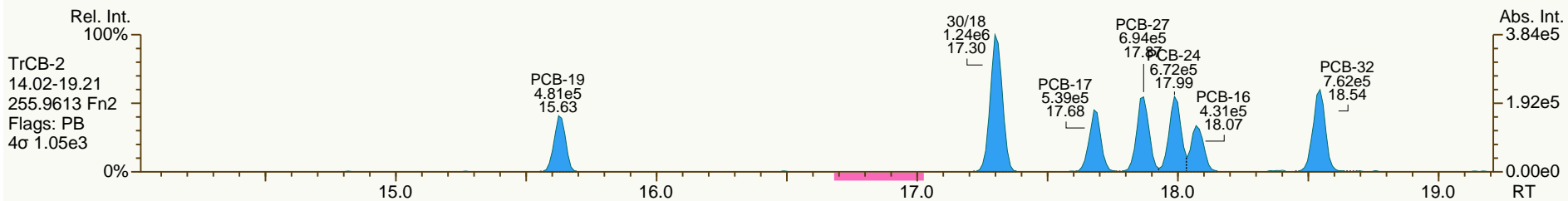
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

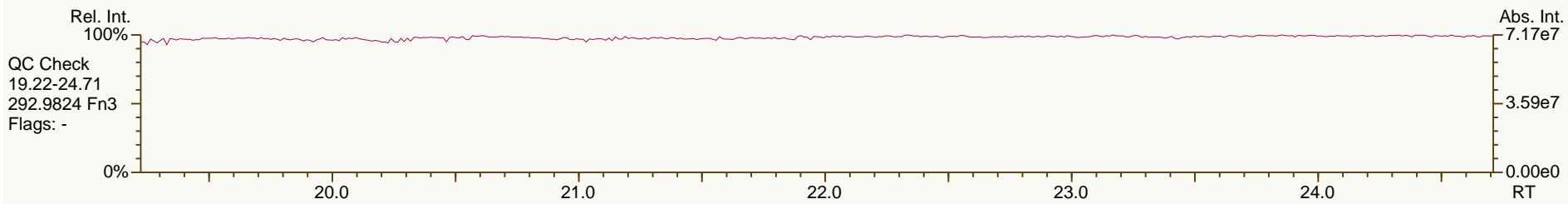
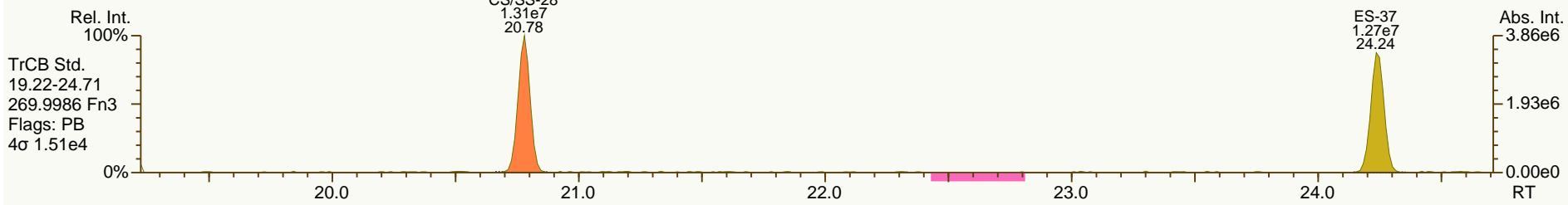
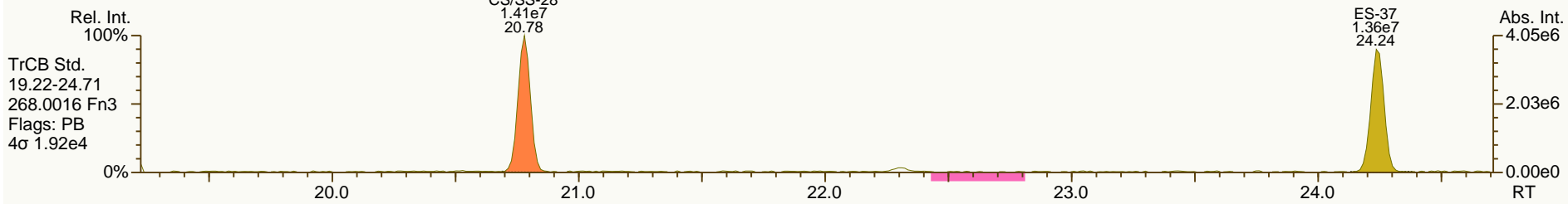
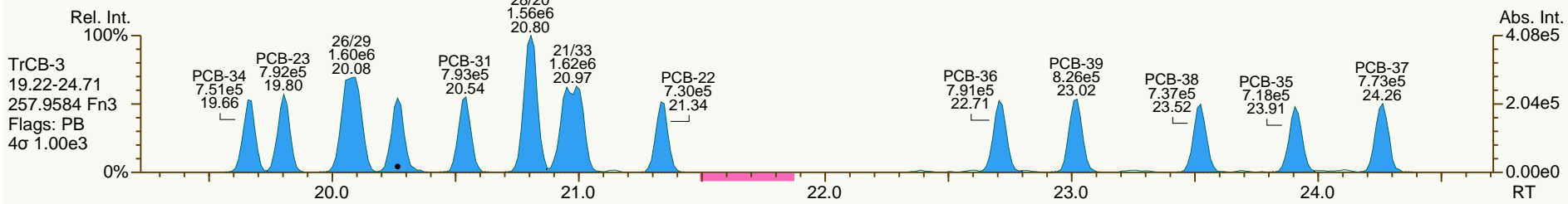
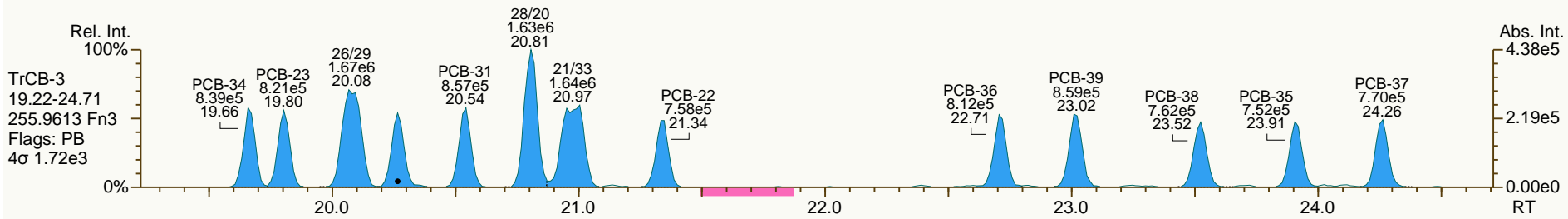
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

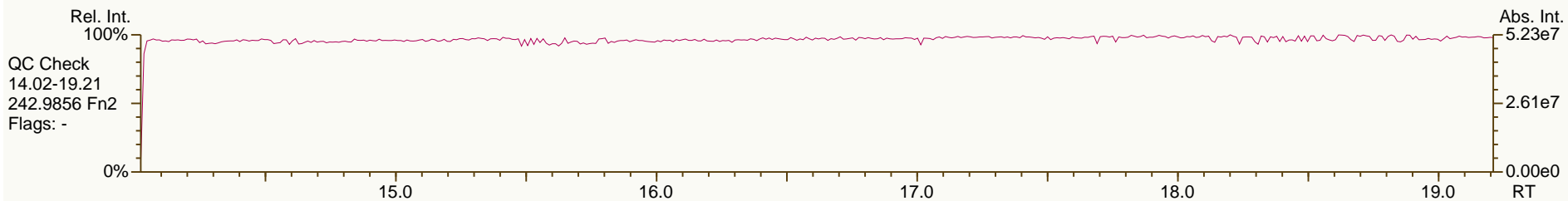
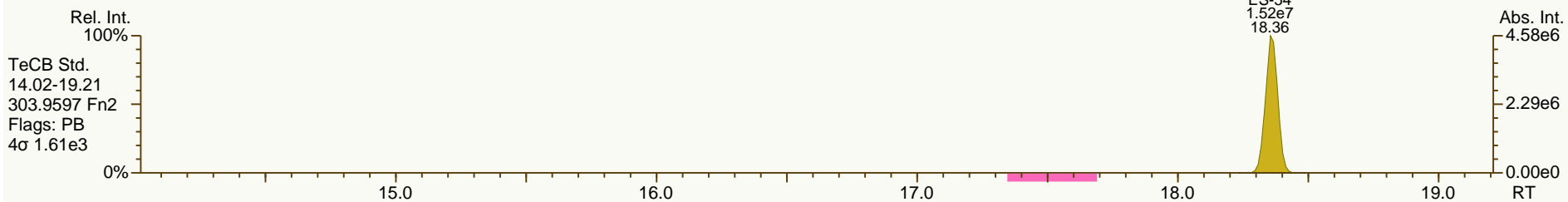
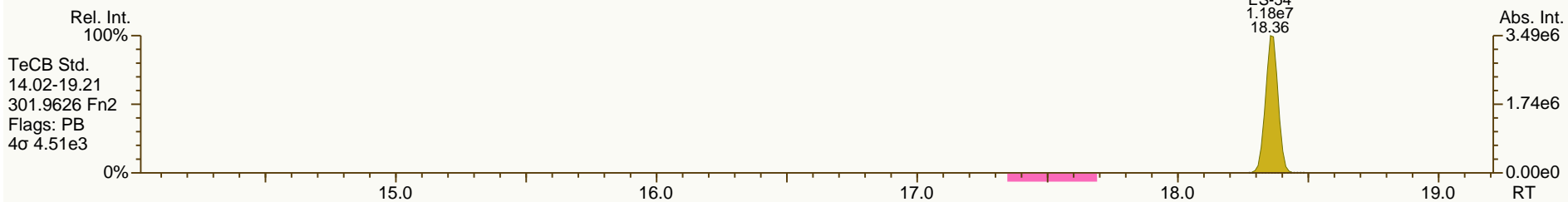
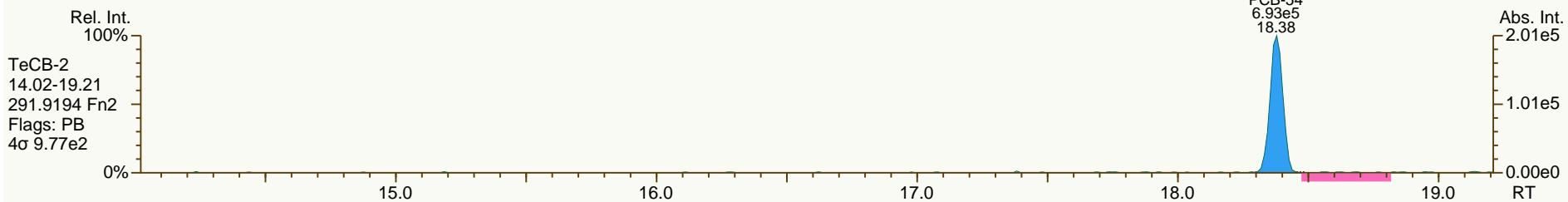
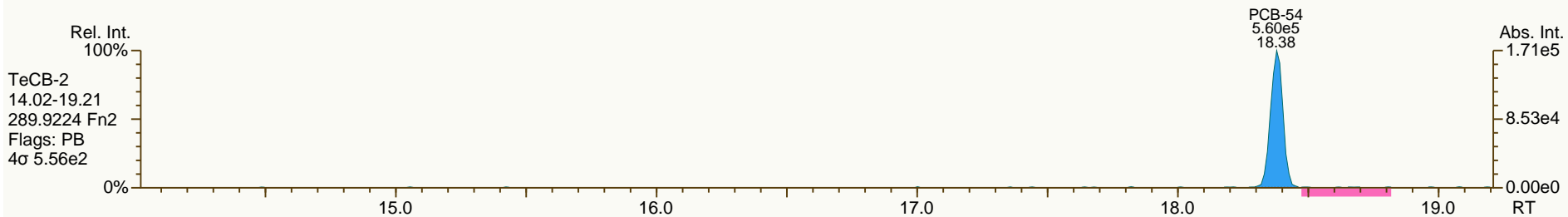
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

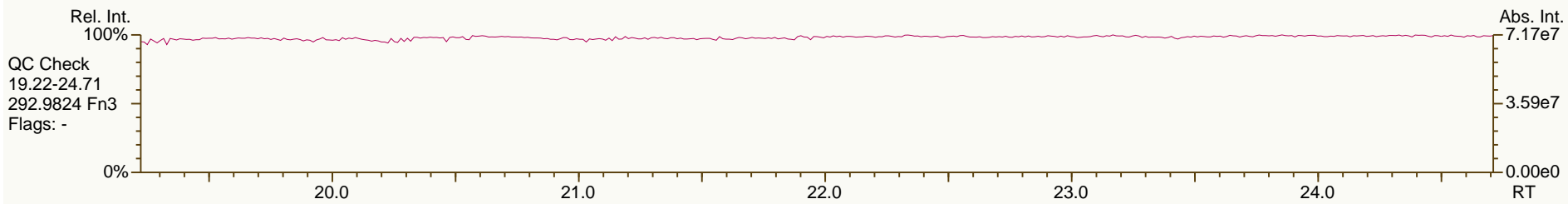
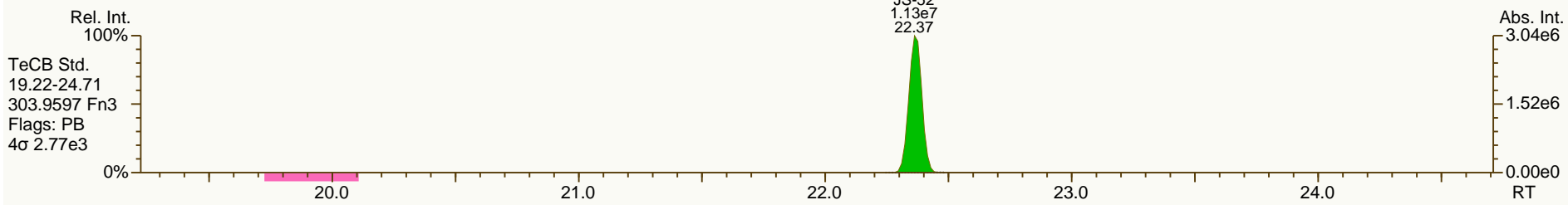
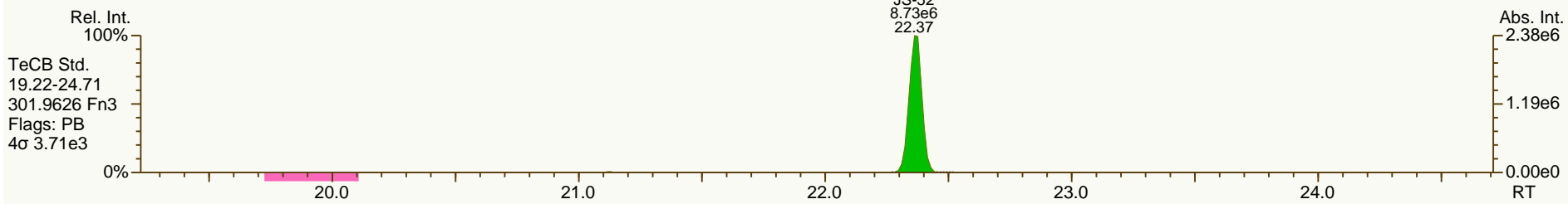
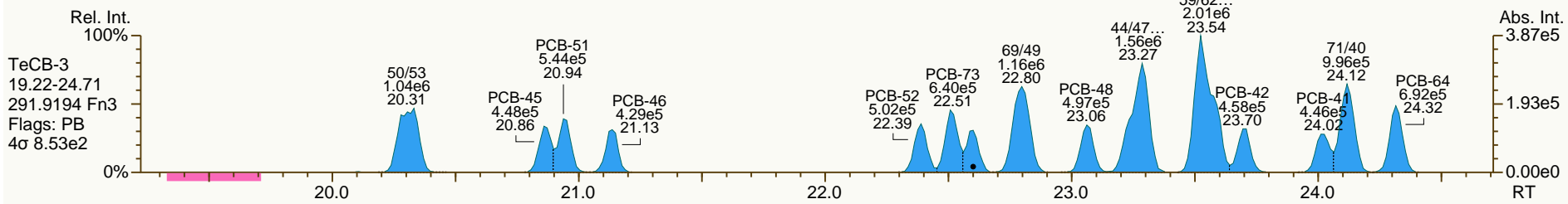
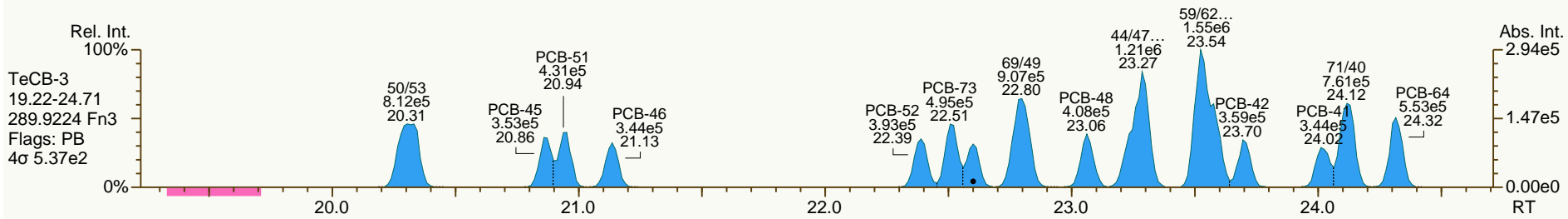
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

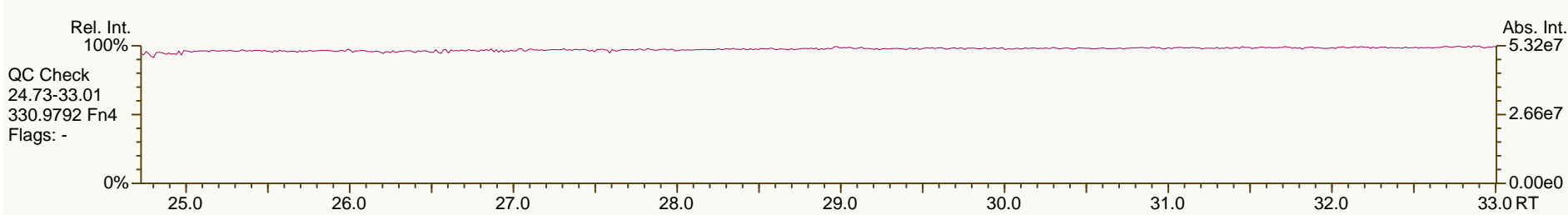
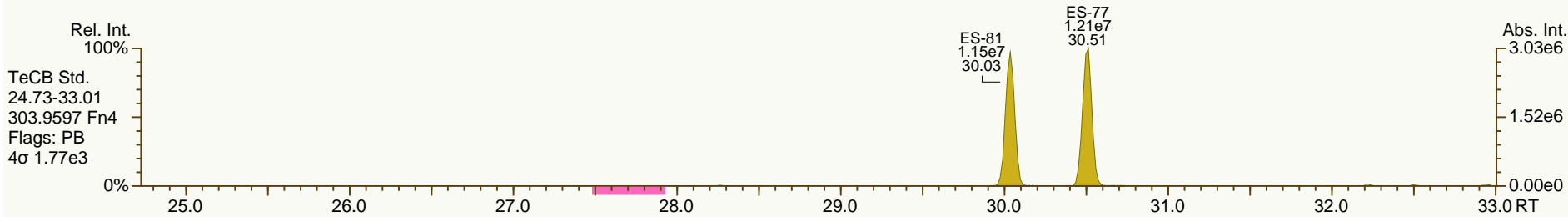
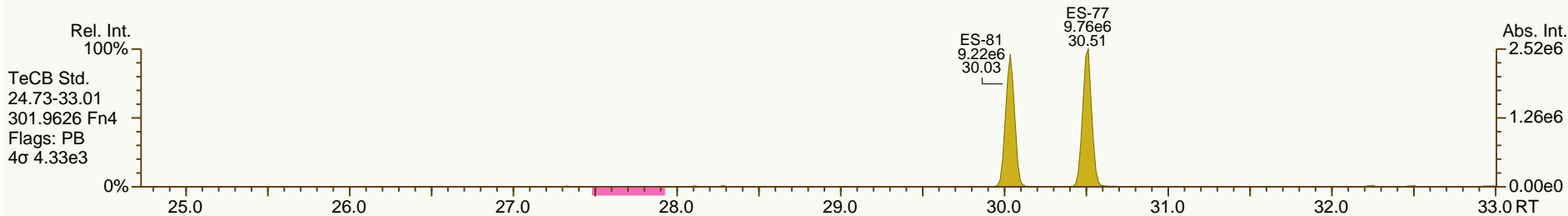
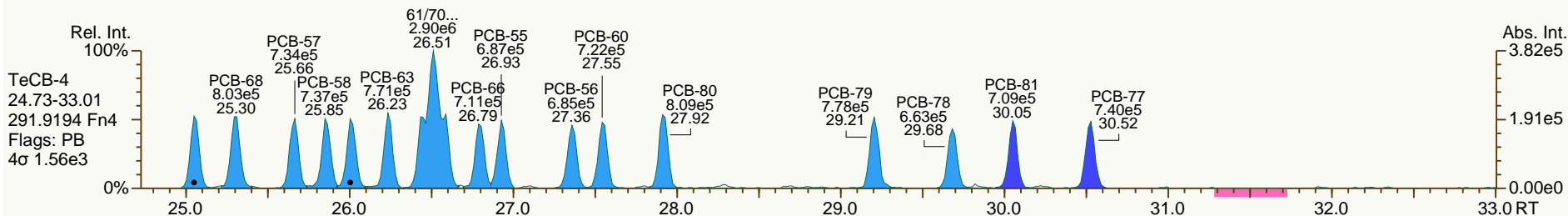
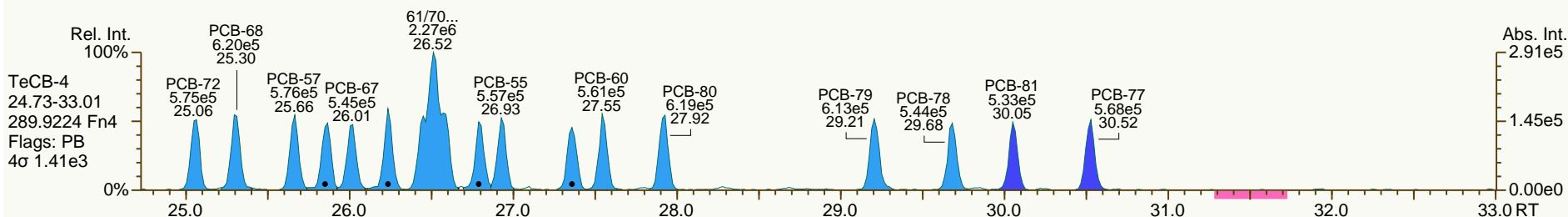
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

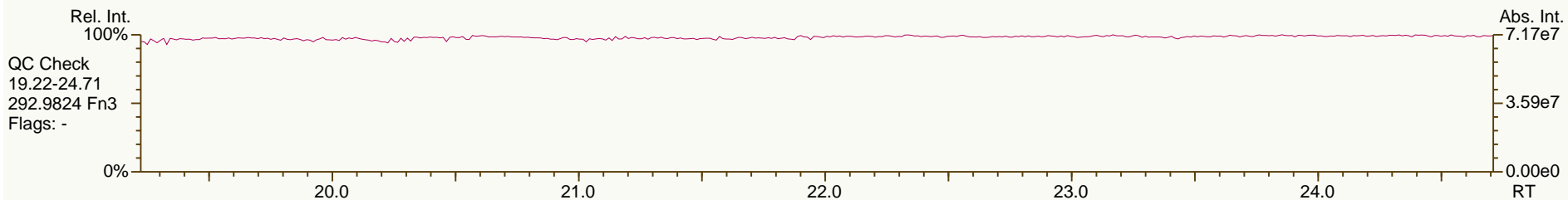
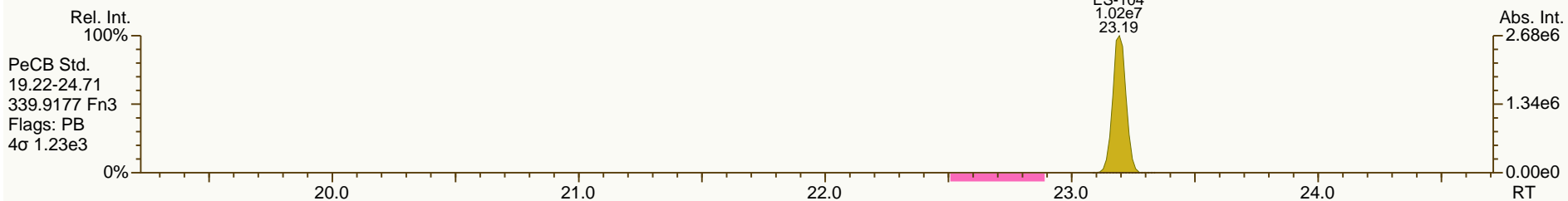
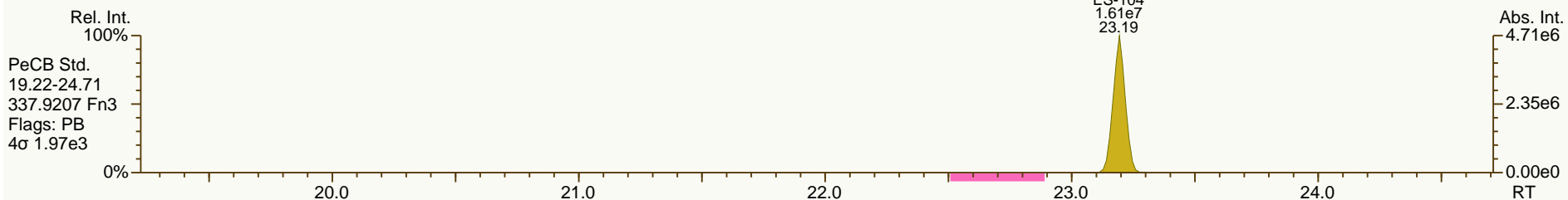
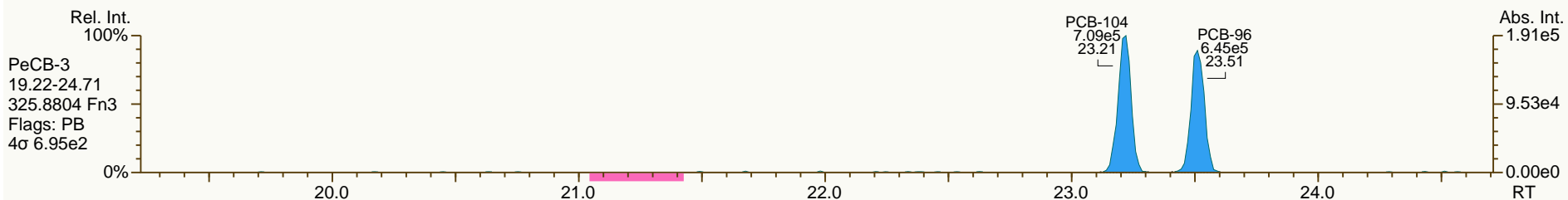
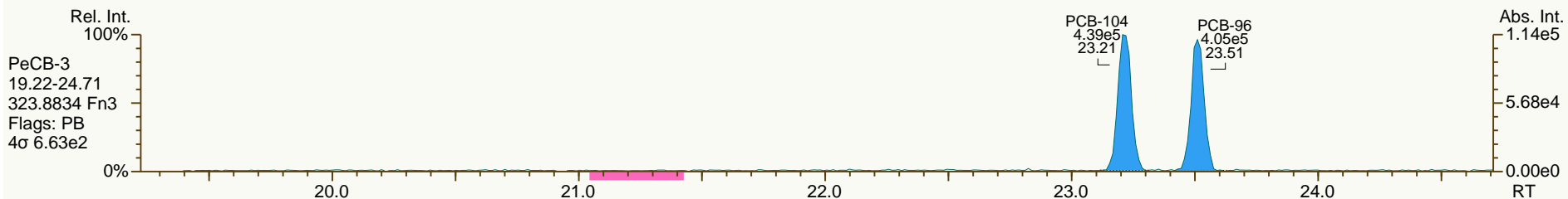
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

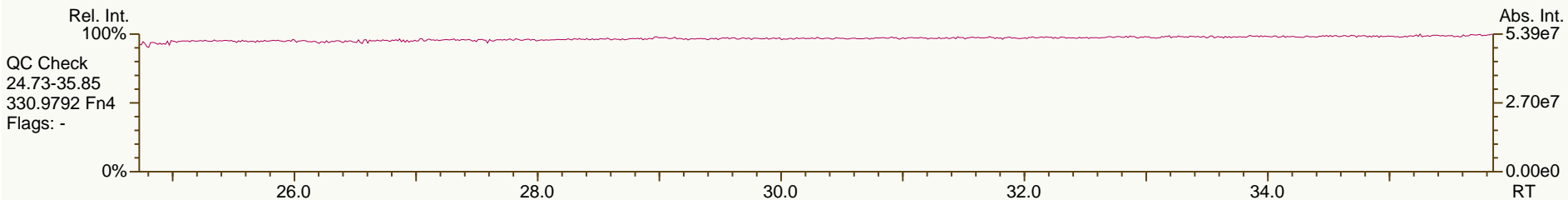
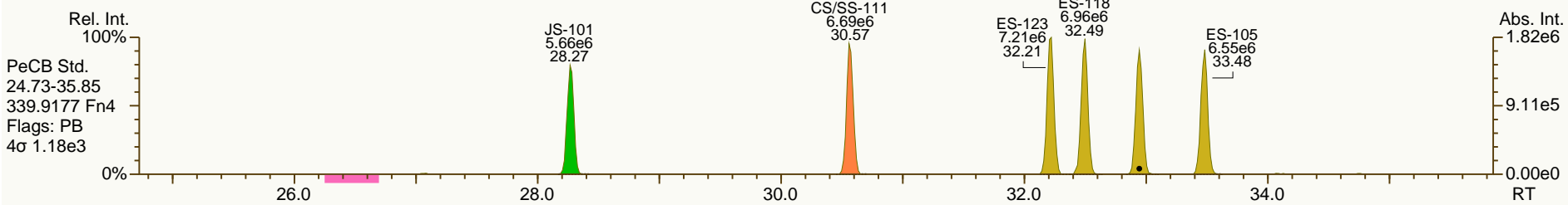
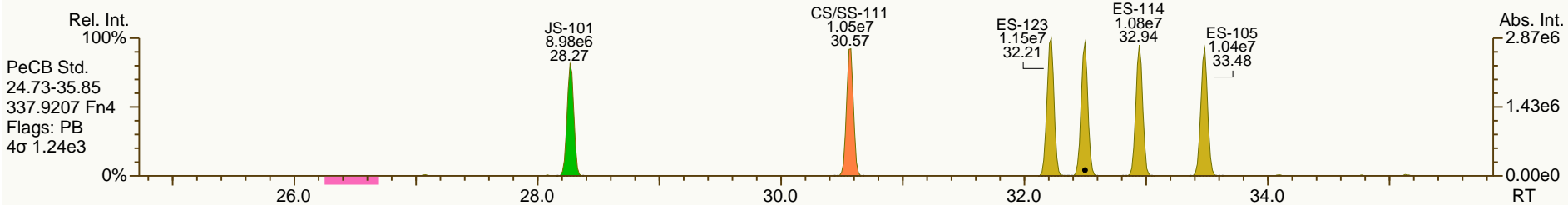
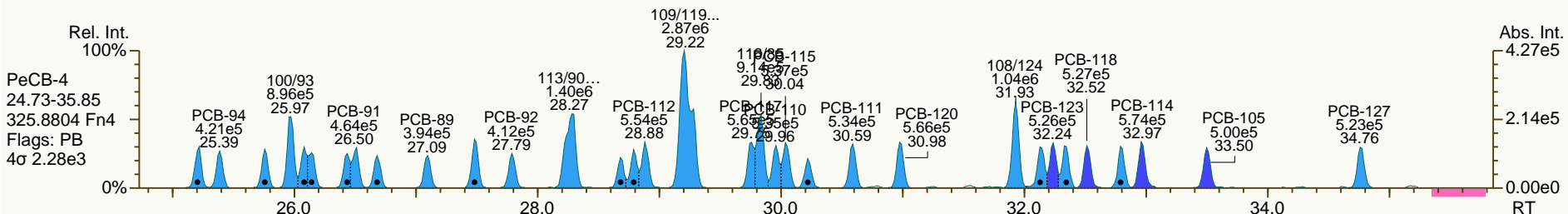
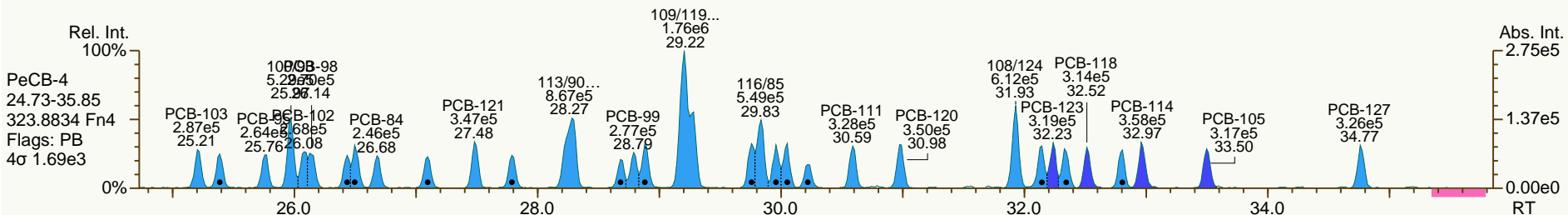
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

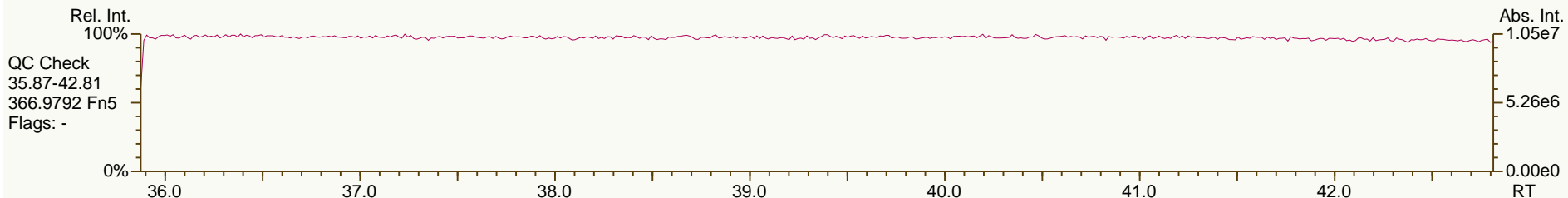
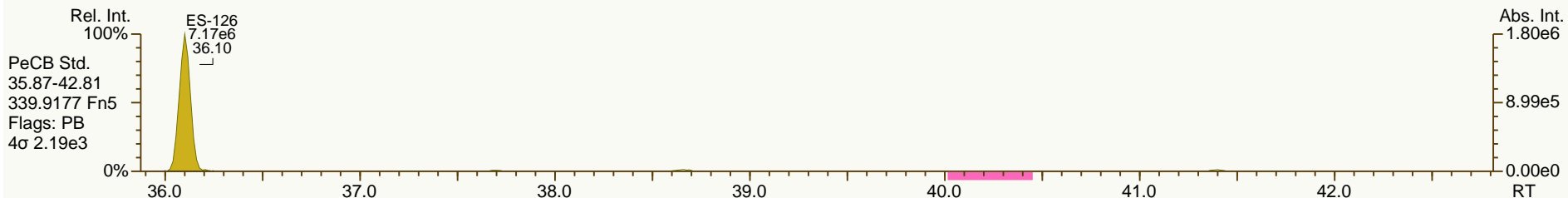
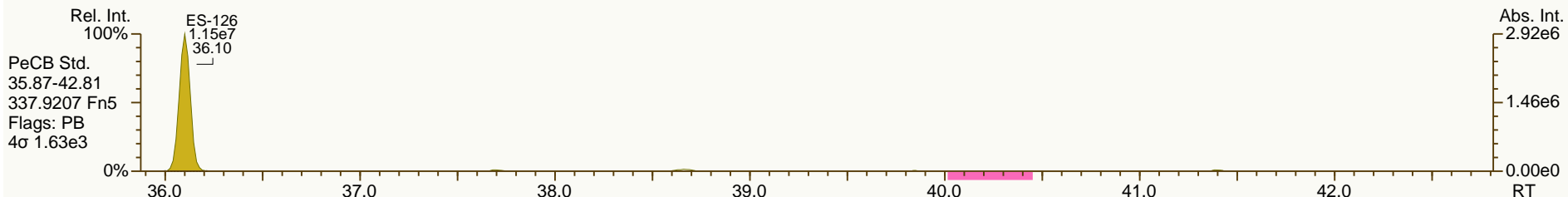
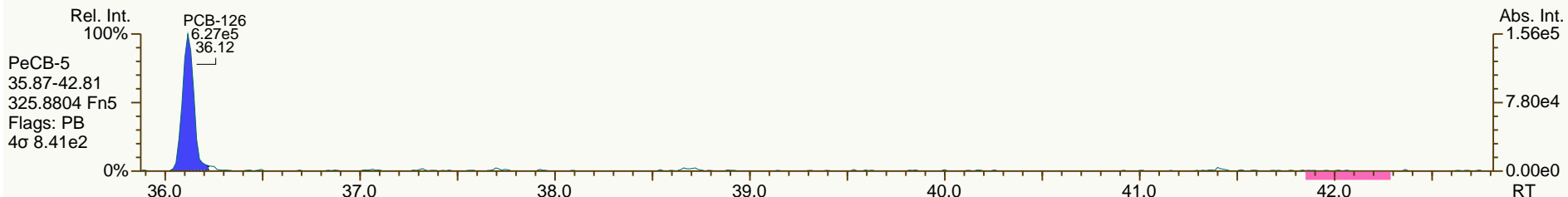
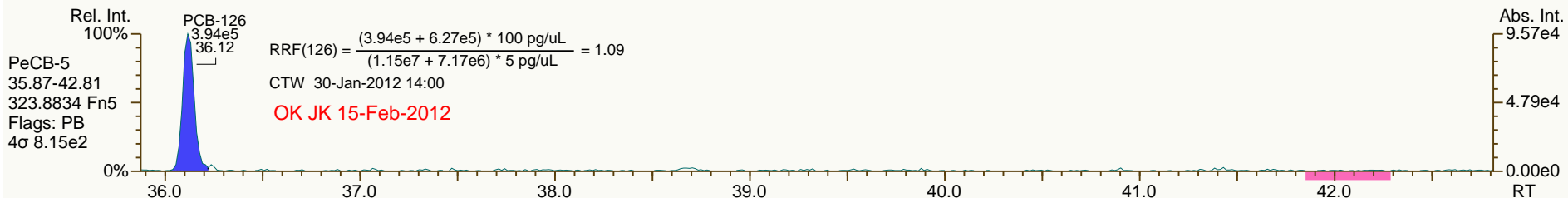
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

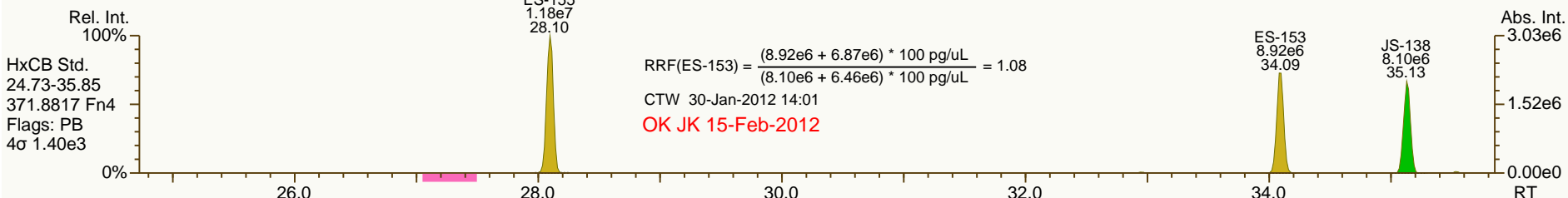
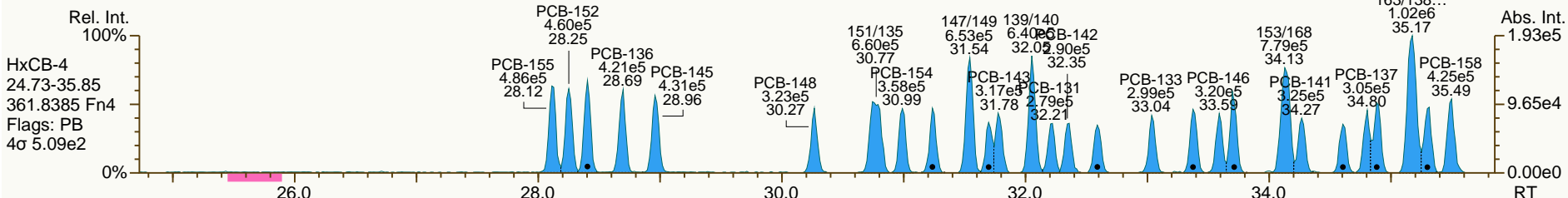
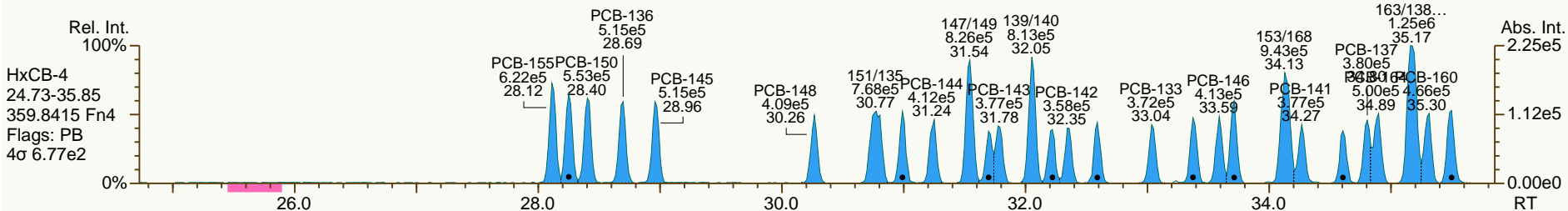
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

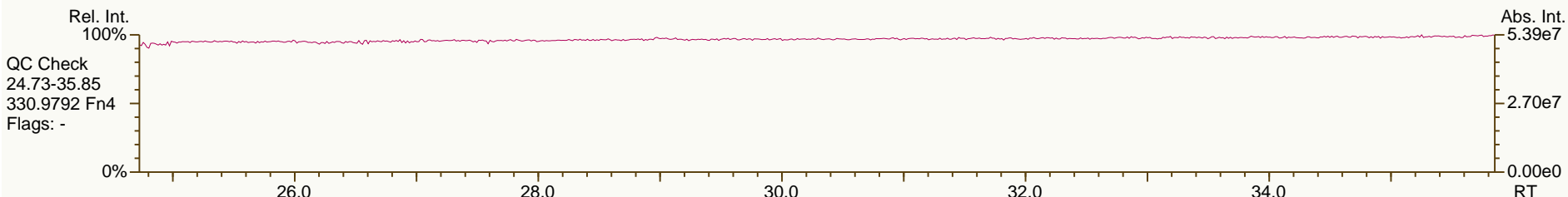
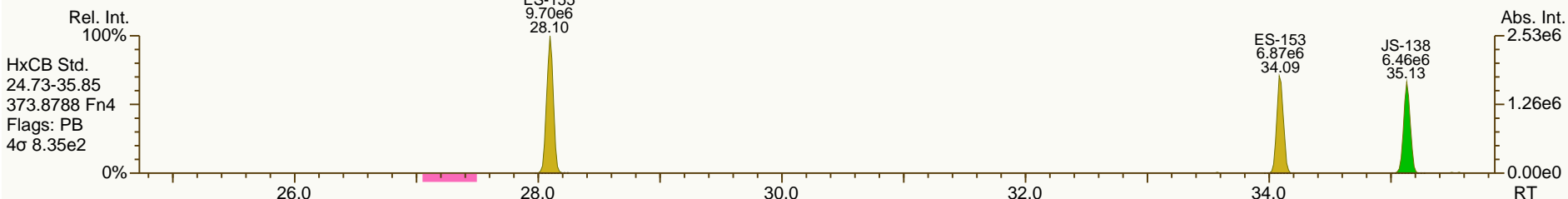
Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



$$RRF(ES-153) = \frac{(8.92e6 + 6.87e6) * 100 \text{ pg/uL}}{(8.10e6 + 6.46e6) * 100 \text{ pg/uL}} = 1.08$$

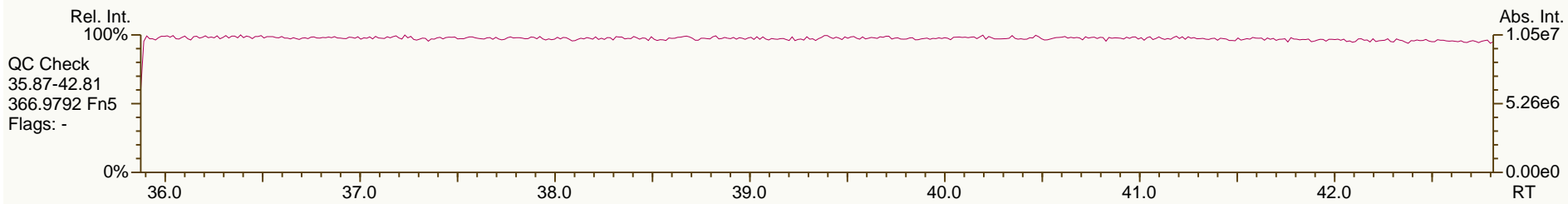
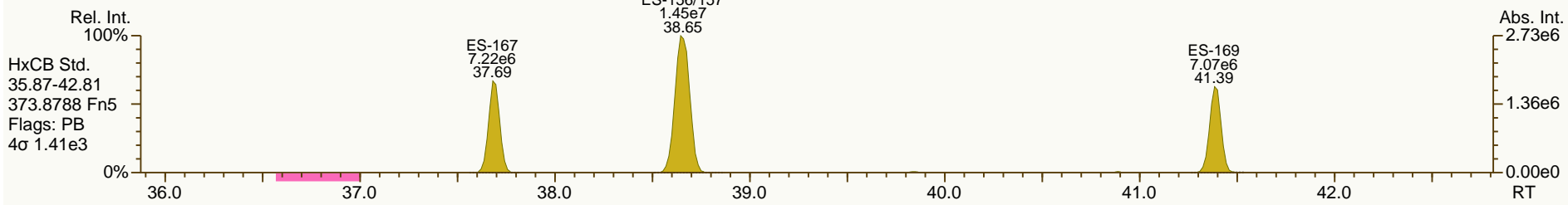
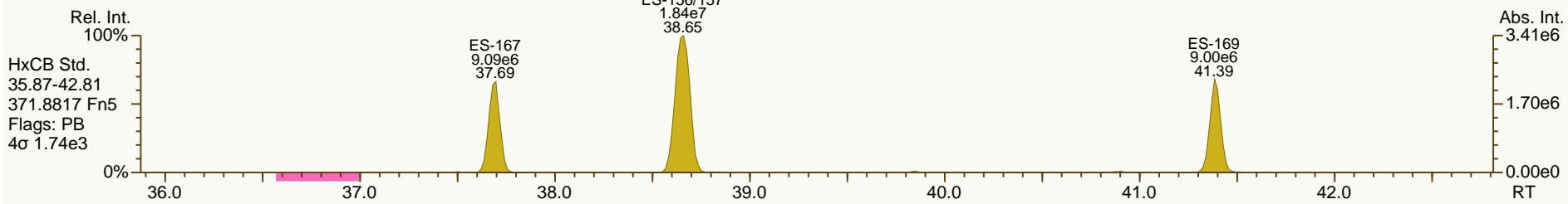
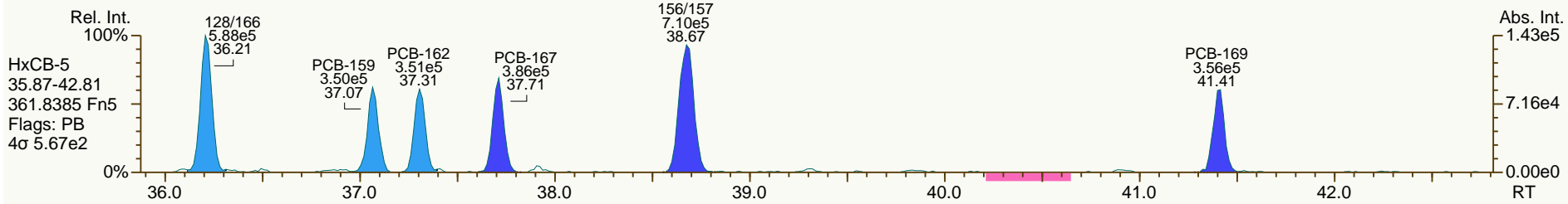
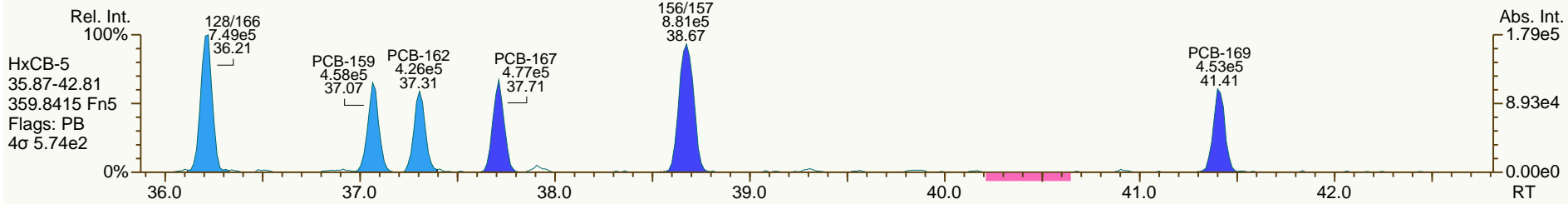
CTW 30-Jan-2012 14:01



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

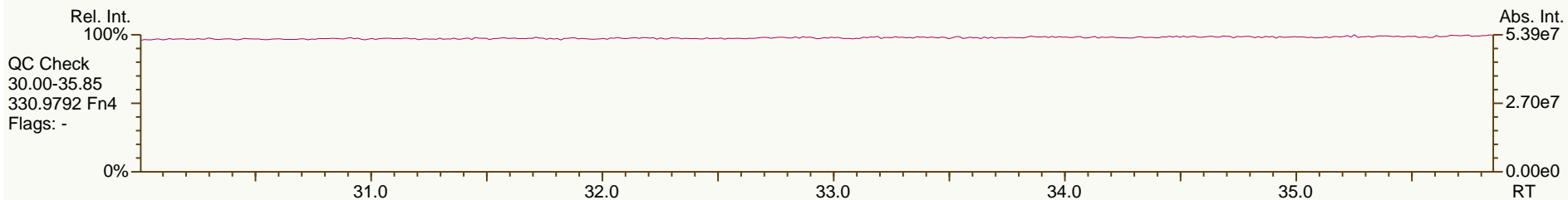
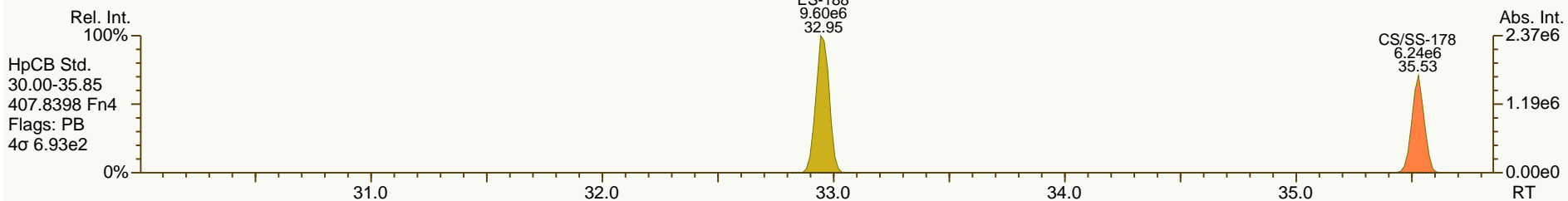
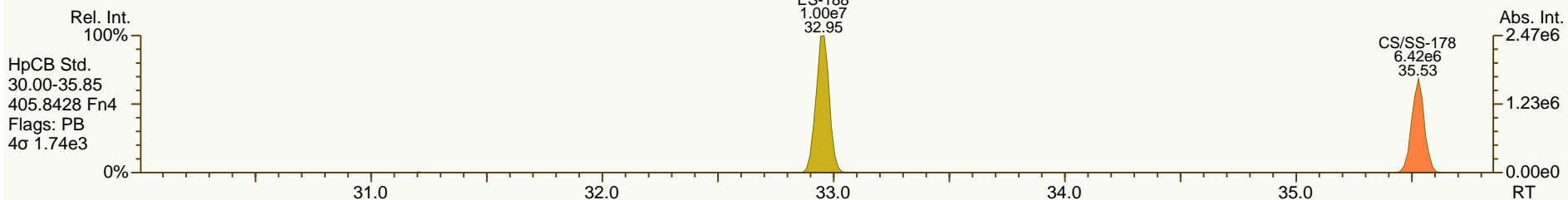
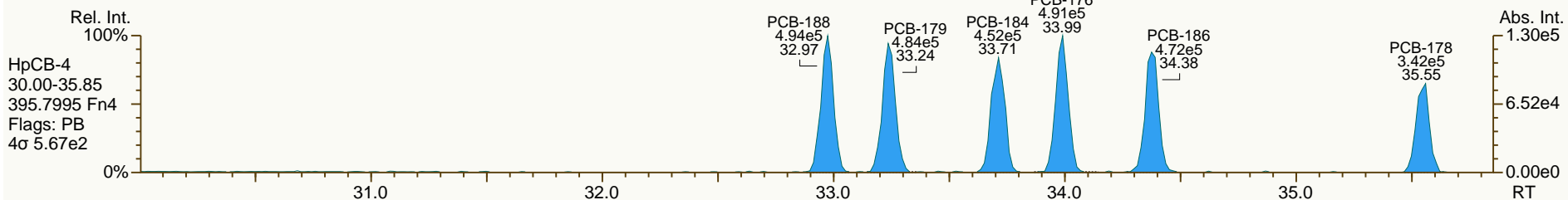
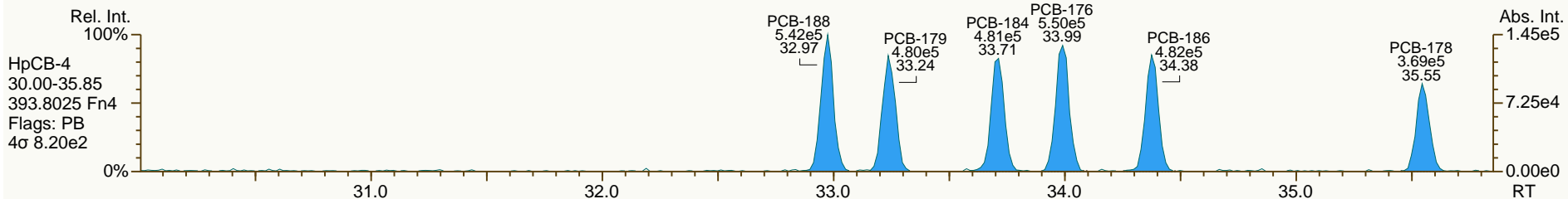
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

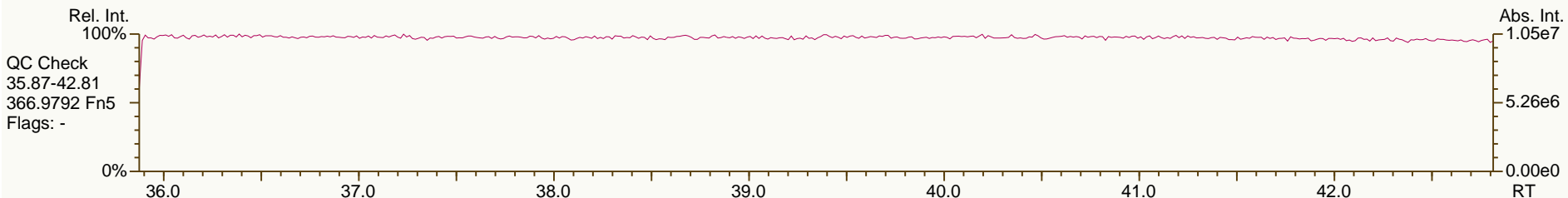
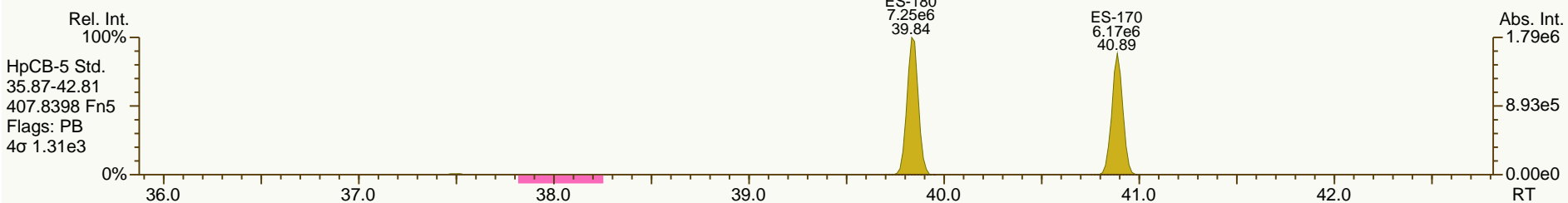
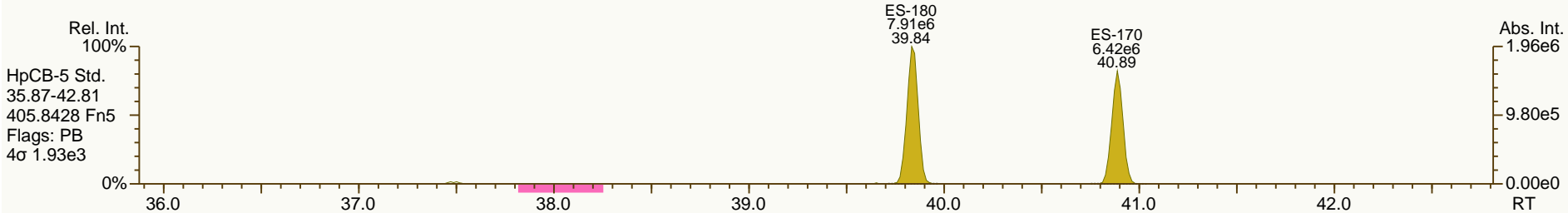
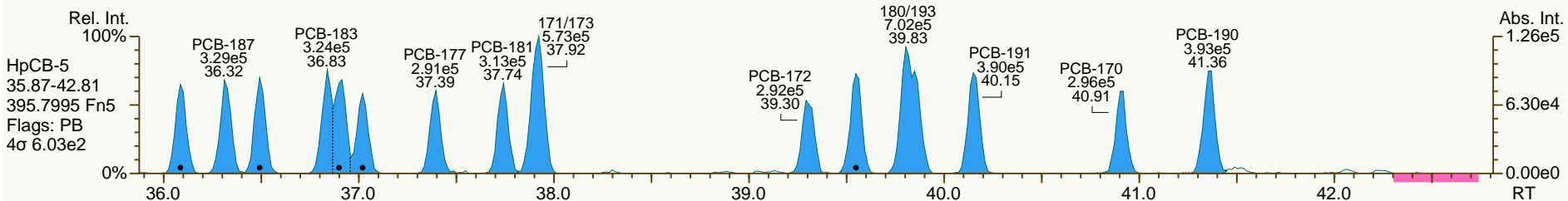
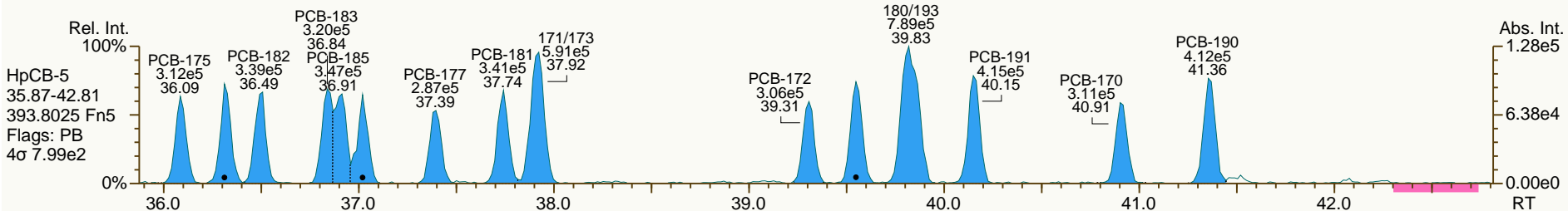
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

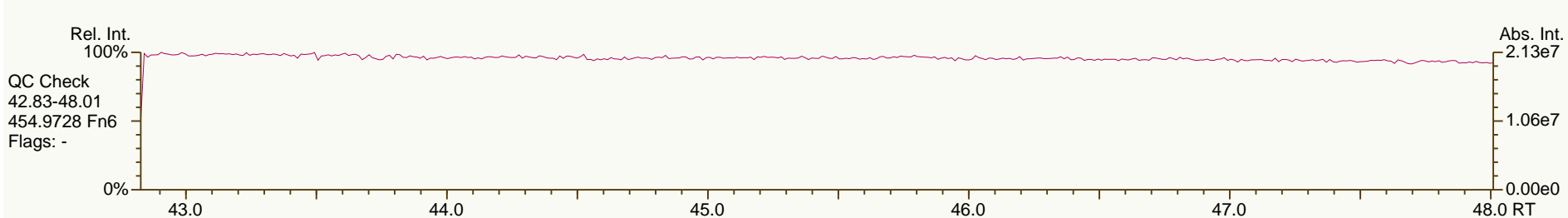
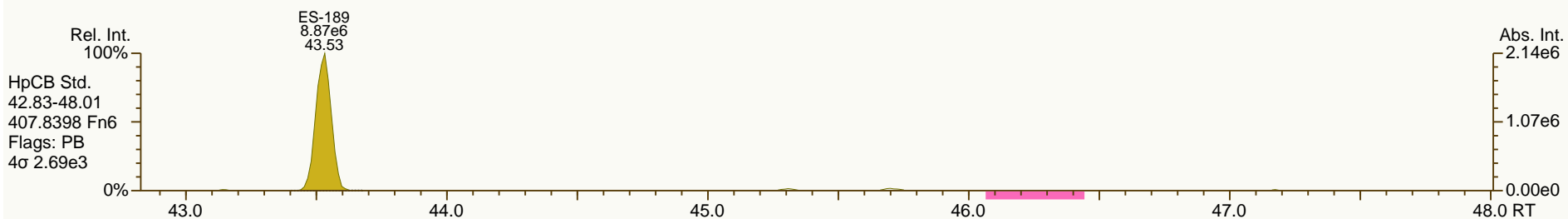
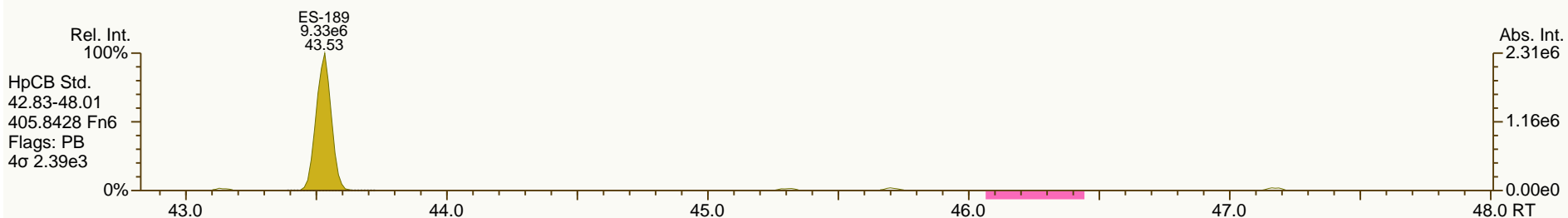
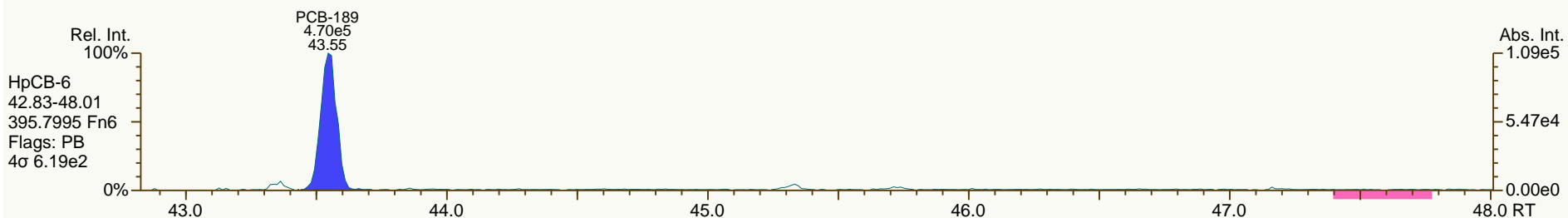
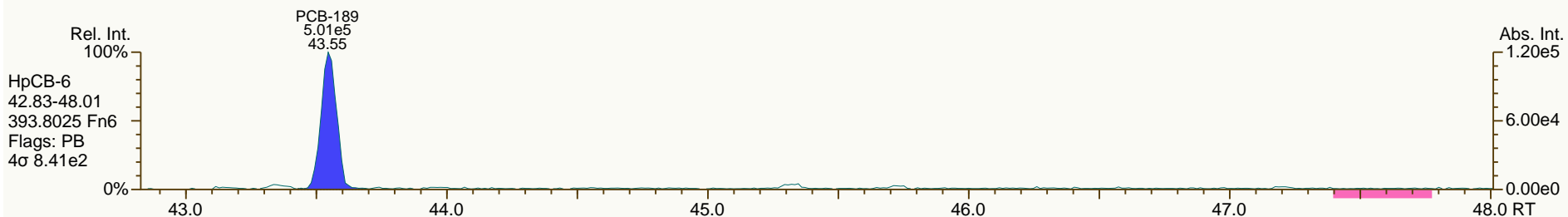
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

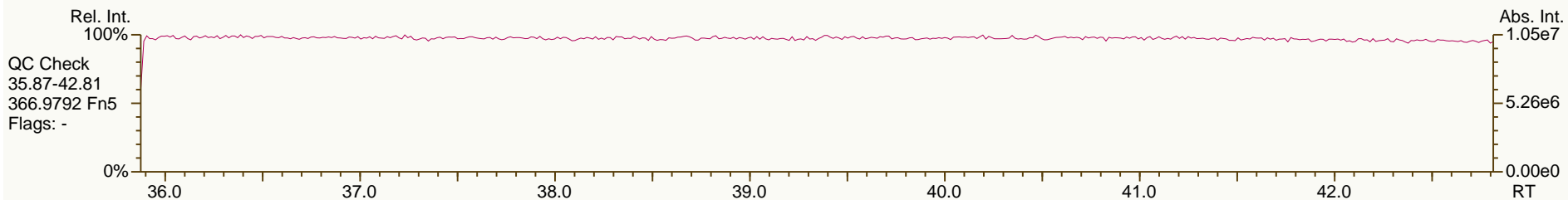
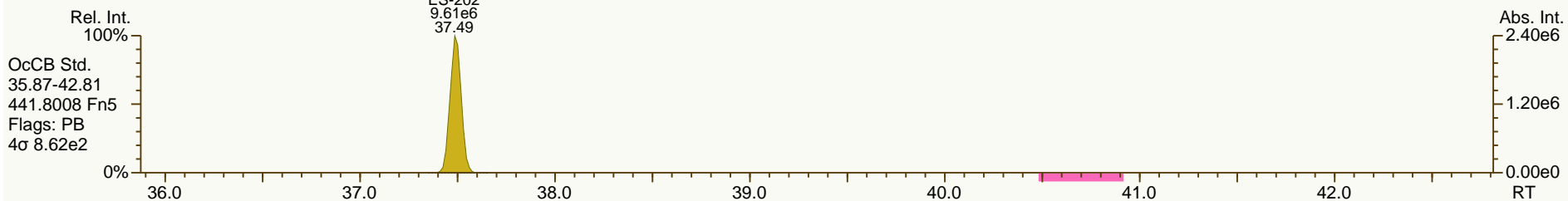
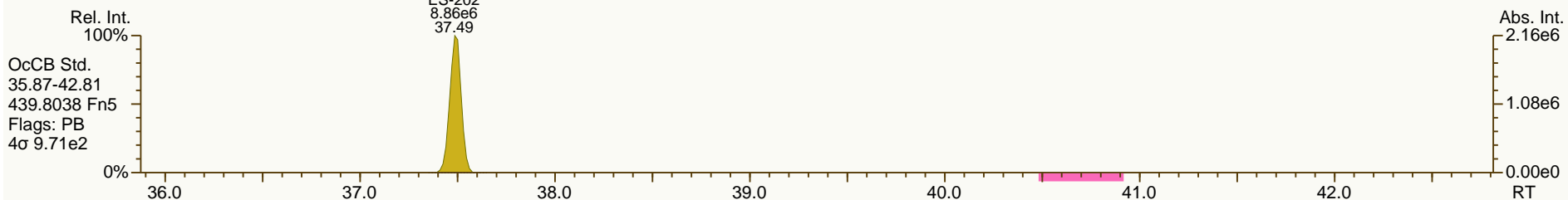
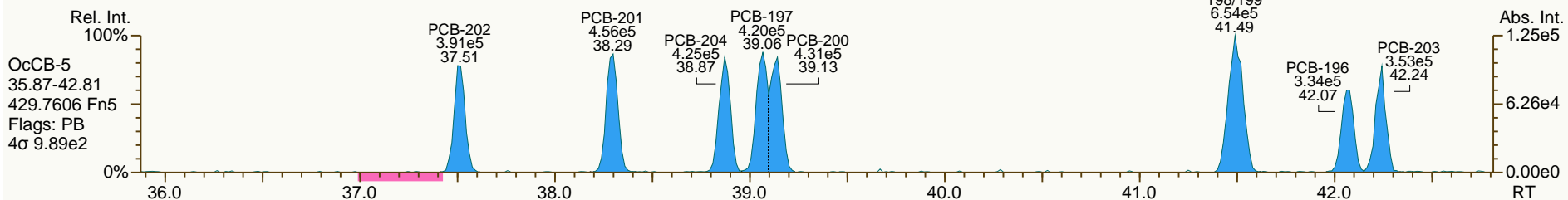
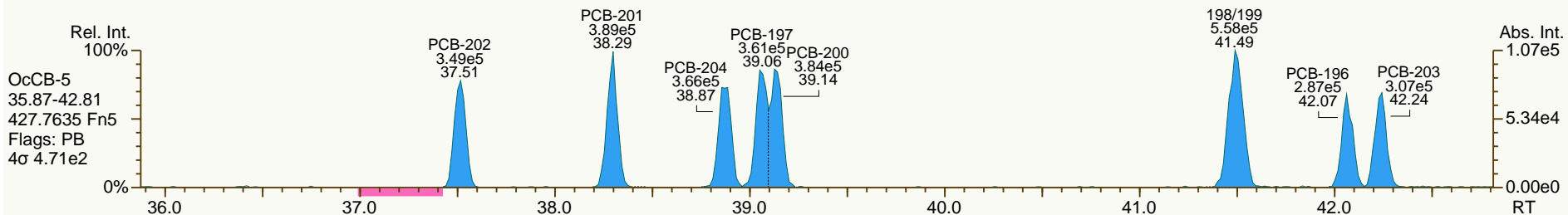
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

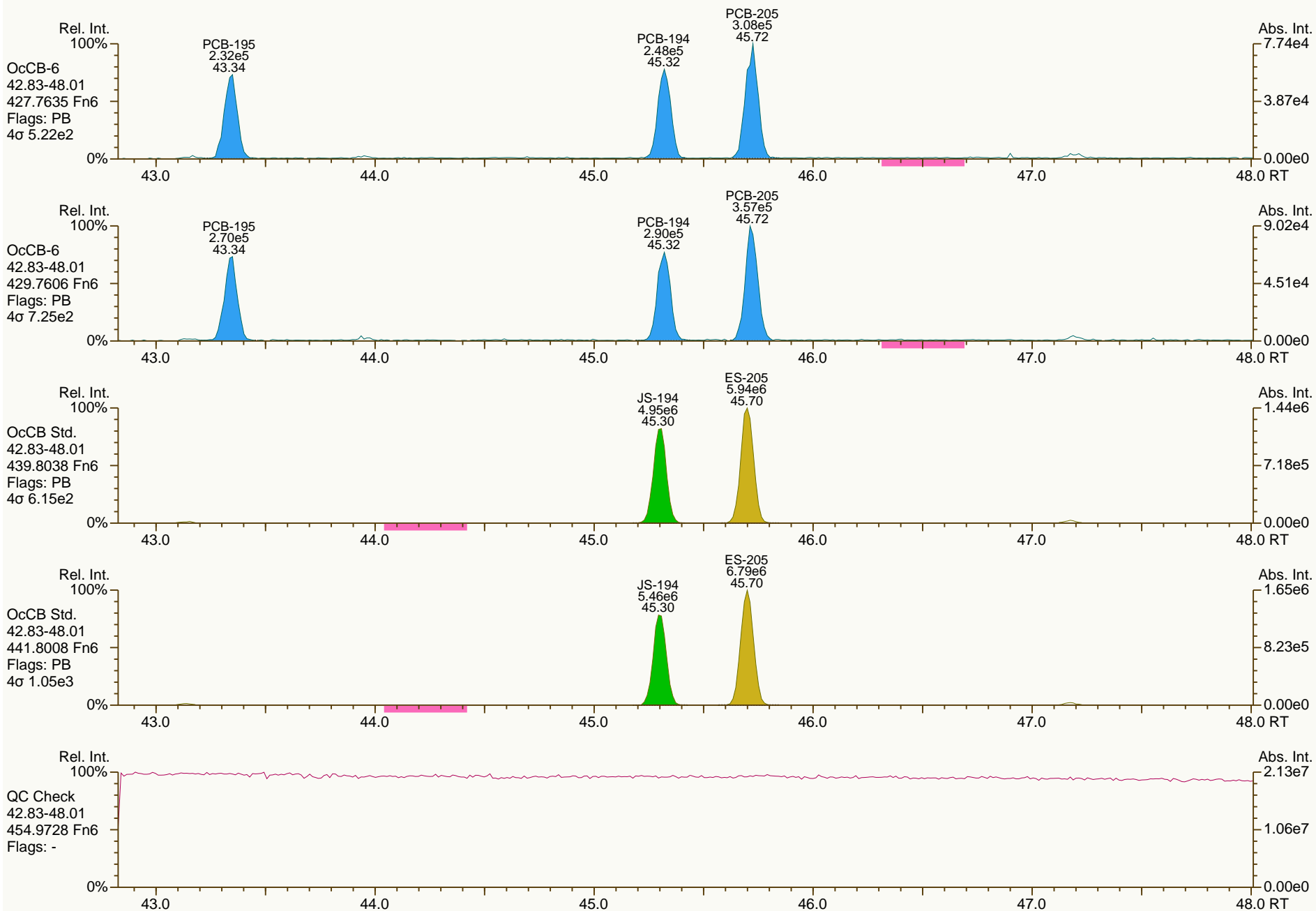
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

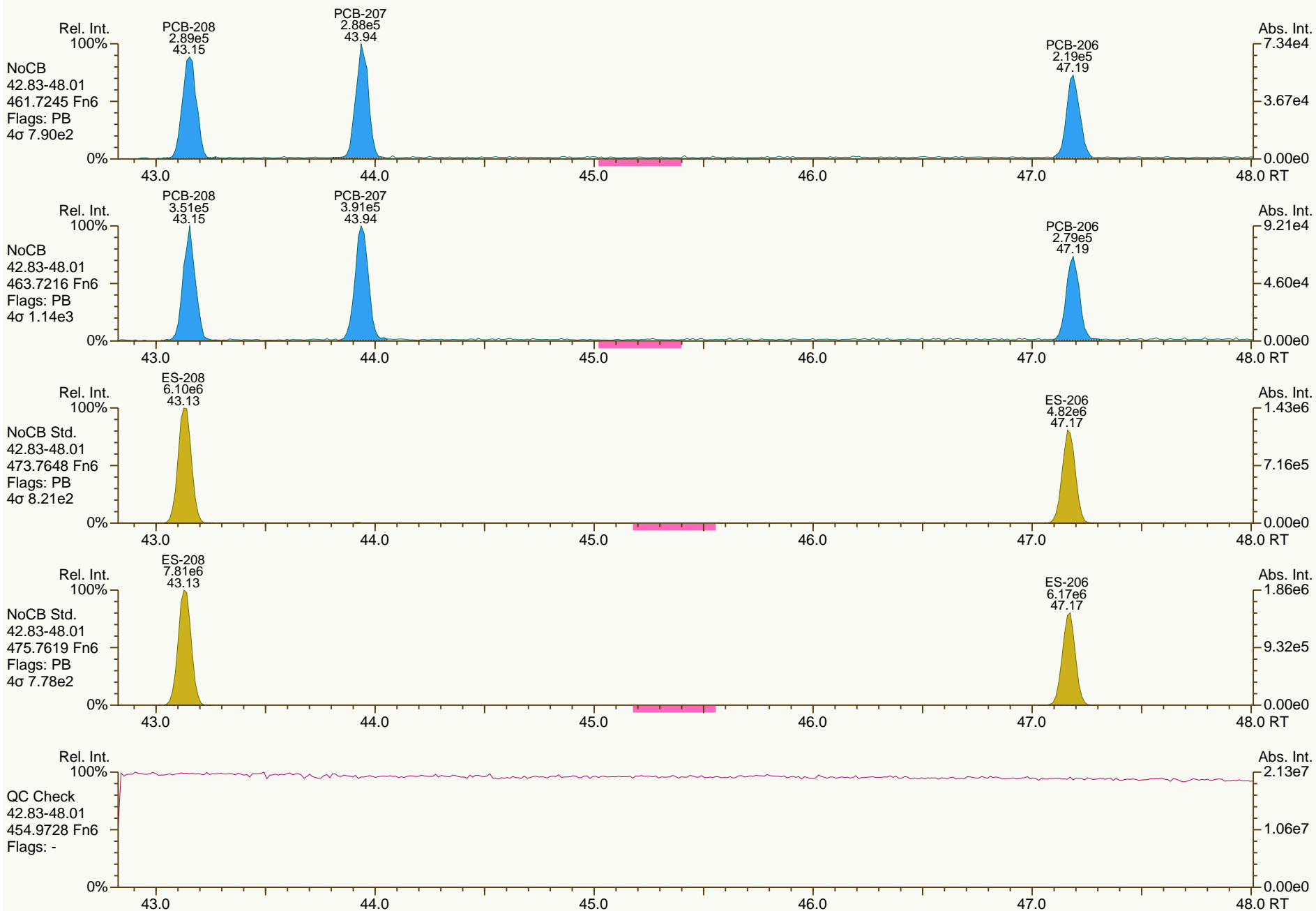
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

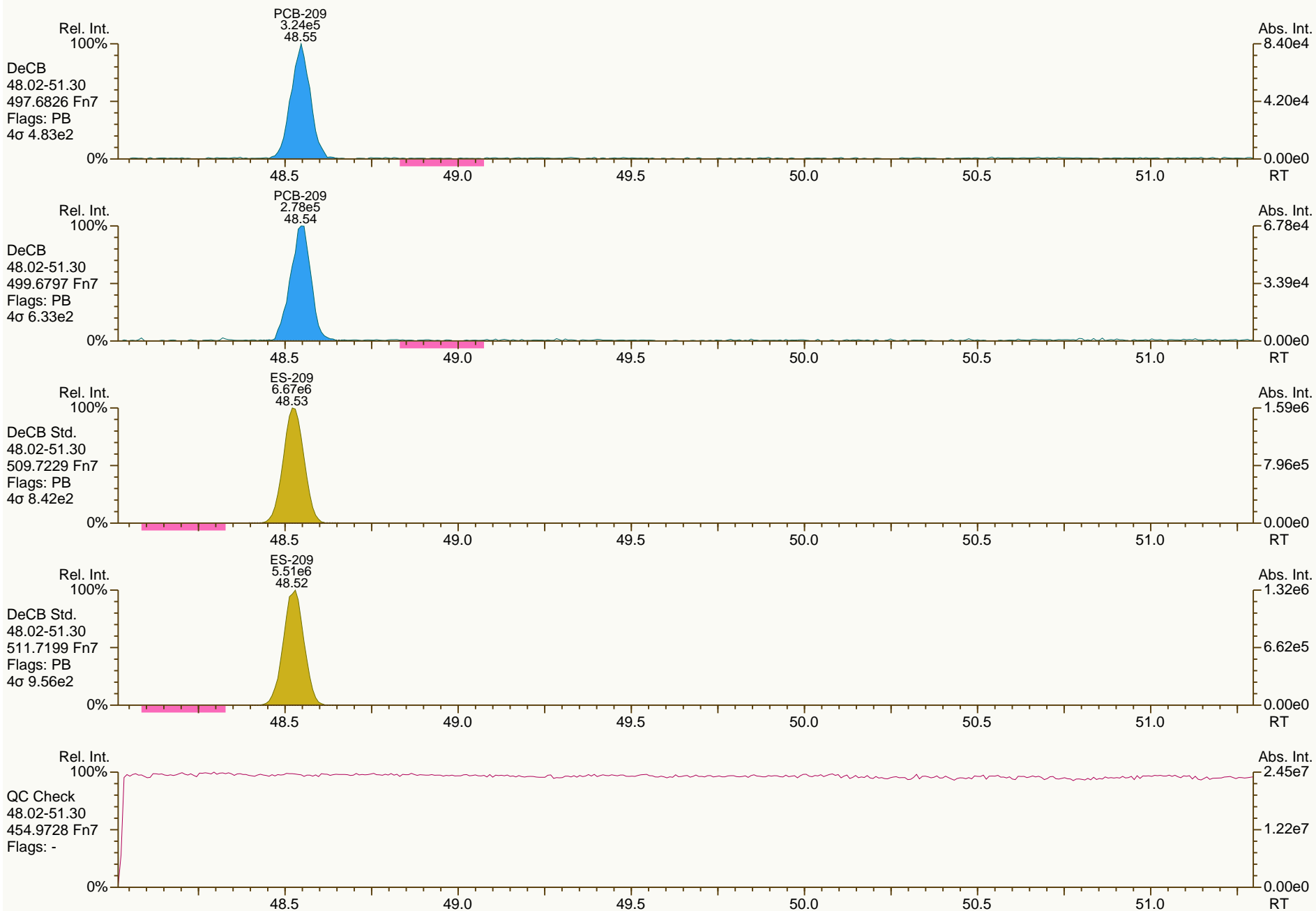
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS3_120126_PCB_SB				ICAL: MM4_PCB_01102012_26JAN12		
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.51	1.50E+07	0.78 Y	1.22	1.23	0.1%	
PCB-81 344'5'-TeCB	30.04	1.46E+07	0.77 Y	1.24	1.29	3.4%	
PCB-105 233'44'-PeCB	33.49	1.02E+07	0.60 Y	1.03	1.09	6.0%	
PCB-114 2344'5'-PeCB	32.95	1.10E+07	0.61 Y	1.10	1.16	5.5%	
PCB-118 23'44'5'-PeCB	32.51	1.05E+07	0.63 Y	1.03	1.09	5.8%	
PCB-123 2'344'5'-PeCB	32.22	1.02E+07	0.61 Y	0.93	0.98	5.5%	
PCB-126 33'44'5'-PeCB	36.11	1.19E+07	0.61 Y	1.11	1.11	0.0%	
PCB-156/157 233'44'5'/233'44'5'	38.66	1.96E+07	1.24 Y	1.05	1.06	1.7%	
PCB-167 23'44'55'-HxCB	37.70	1.01E+07	1.25 Y	1.08	1.10	2.1%	
PCB-169 33'44'55'-HxCB	41.40	9.87E+06	1.25 Y	1.04	1.09	4.2%	
PCB-189 233'44'55'-HpCB	43.53	1.16E+07	1.04 Y	1.11	1.14	2.8%	
PCB-209 DeCB	48.53	7.18E+06	1.15 Y	1.05	1.04	-1.2%	
ES PCB-1	10.48	3.32E+07	3.17 Y	1.01	1.00	-0.9%	
ES PCB-3	12.53	3.43E+07	3.23 Y	1.05	1.04	-1.3%	
ES PCB-4	12.76	2.29E+07	1.57 Y	0.70	0.69	-0.7%	
ES PCB-15	18.10	3.83E+07	1.62 Y	1.17	1.16	-1.0%	
ES PCB-19	15.60	1.87E+07	1.06 Y	0.57	0.57	-0.1%	
ES PCB-37	24.23	2.83E+07	1.08 Y	1.41	1.39	-1.3%	
ES PCB-54	18.35	2.64E+07	0.78 Y	1.32	1.30	-1.8%	
ES PCB-77	30.49	2.44E+07	0.80 Y	1.22	1.20	-1.3%	
ES PCB-81	30.02	2.27E+07	0.78 Y	1.15	1.12	-2.9%	
ES PCB-104	23.18	2.65E+07	1.53 Y	1.69	1.66	-1.7%	
ES PCB-105	33.47	1.88E+07	1.64 Y	1.21	1.17	-2.7%	
ES PCB-114	32.93	1.90E+07	1.61 Y	1.23	1.19	-3.3%	
ES PCB-118	32.48	1.91E+07	1.56 Y	1.25	1.20	-3.9%	
ES PCB-123	32.20	2.09E+07	1.57 Y	1.33	1.31	-1.4%	
ES PCB-126	36.09	2.13E+07	1.62 Y	1.36	1.34	-1.6%	
ES PCB-153	34.08	1.79E+07	1.28 Y	1.09	1.09	0.1%	
ES PCB-155	28.08	2.31E+07	1.23 Y	1.40	1.41	0.1%	
ES PCB-156/157	38.64	3.68E+07	1.29 Y	1.13	1.12	-1.0%	
ES PCB-167	37.67	1.83E+07	1.23 Y	1.13	1.11	-1.6%	
ES PCB-169	41.38	1.81E+07	1.26 Y	1.14	1.10	-3.4%	
ES PCB-170	40.87	1.43E+07	1.05 Y	1.23	1.21	-1.7%	
ES PCB-180	39.82	1.72E+07	1.08 Y	1.46	1.46	-0.6%	
ES PCB-188	32.94	2.26E+07	1.08 Y	1.34	1.37	2.4%	
ES PCB-189	43.51	2.03E+07	1.06 Y	1.77	1.72	-2.7%	
ES PCB-202	37.48	2.10E+07	0.91 Y	1.27	1.28	0.4%	
ES PCB-205	45.69	1.45E+07	0.90 Y	1.25	1.23	-1.9%	
ES PCB-206	47.15	1.25E+07	0.78 Y	1.07	1.06	-1.0%	
ES PCB-208	43.12	1.57E+07	0.77 Y	1.34	1.33	-0.9%	
ES PCB-209	48.51	1.38E+07	1.18 Y	1.18	1.17	-1.2%	

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS3_120126_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.77	2.76E+07	1.08 Y	0.98	0.98	-0.5%	
SS PCB-111	30.55	1.94E+07	1.57 Y	0.90	0.93	3.3%	
SS PCB-178	35.51	1.46E+07	1.08 Y	0.65	0.65	0.2%	
CS PCB-28	20.77	2.76E+07	1.08 Y	1.39	1.36	-1.7%	
CS PCB-111	30.55	1.94E+07	1.57 Y	1.19	1.21	1.8%	
CS PCB-178	35.51	1.46E+07	1.08 Y	0.87	0.89	2.6%	
JS PCB-9	14.59	3.30E+07	1.61 Y	-	-	-	
JS PCB-52	22.35	2.03E+07	0.77 Y	-	-	-	
JS PCB-101	28.26	1.60E+07	1.61 Y	-	-	-	
JS PCB-138	35.12	1.64E+07	1.26 Y	-	-	-	
JS PCB-194	45.29	1.18E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.49	1.99E+07	3.15 Y	1.20	1.20	0.2%	
PCB-3 4-MoCB	12.55	1.94E+07	3.13 Y	1.13	1.13	-0.2%	
PCB-4 22'-DiCB	12.77	1.13E+07	1.44 Y	0.94	0.98	4.2%	
PCB-15 44'-DiCB	18.11	1.96E+07	1.54 Y	1.01	1.02	1.6%	
PCB-19 22'6'-TrCB	15.62	9.46E+06	1.07 Y	1.01	1.01	0.0%	
PCB-37 344'-TrCB	24.25	1.70E+07	1.05 Y	1.20	1.20	0.2%	
PCB-54 22'66'-TeCB	18.37	1.24E+07	0.77 Y	0.93	0.94	1.1%	
PCB-104 22'466'-PeCB	23.20	1.22E+07	0.63 Y	0.92	0.92	0.3%	
PCB-153 22'44'55' -HxCB	34.12	2.08E+07	1.25 Y	1.15	1.16	1.4%	
PCB-155 22'44'66'-HxCB	28.11	1.25E+07	1.27 Y	1.06	1.08	2.1%	
PCB-170 22'33'44'5'-HpCB	40.89	7.32E+06	1.03 Y	1.00	1.02	2.4%	
PCB-180 22'344'55'-HpCB	39.81	1.80E+07	1.03 Y	1.01	1.04	2.9%	
PCB-188 22'34'566'-HpCB	32.96	1.21E+07	1.06 Y	1.07	1.07	0.4%	
PCB-202 22'33'55'66'-OcCB	37.50	8.66E+06	0.89 Y	0.83	0.83	-0.1%	
PCB-205 233'44'55'6'-OcCB	45.71	7.93E+06	0.88 Y	1.09	1.09	0.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.72E+06	0.80 Y	0.98	0.98	0.7%	
PCB-206 22'33'44'55'6'-NoCB	47.17	5.92E+06	0.80 Y	0.93	0.95	1.4%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.49	1.99E+07	3.15 Y	1.20	1.20	0.2%	
PCB-2 3-MoCB	12.38	1.98E+07	3.16 Y	1.13	1.16	2.3%	
PCB-3 4-MoCB	12.55	1.94E+07	3.13 Y	1.13	1.13	-0.2%	
PCB-4 22'-DiCB	12.77	1.13E+07	1.44 Y	0.94	0.98	4.2%	
PCB-10 26-DiCB	12.94	1.67E+07	1.51 Y	1.43	1.46	2.0%	
PCB-9 25-DiCB	14.61	1.68E+07	1.50 Y	0.87	0.88	1.3%	
PCB-7 24-DiCB	14.76	1.89E+07	1.53 Y	1.00	0.99	-1.6%	
PCB-6 23'-DiCB	14.97	1.82E+07	1.52 Y	0.94	0.95	1.5%	
PCB-5 23-DiCB	15.24	1.84E+07	1.49 Y	0.92	0.96	4.5%	
PCB-8 24'-DiCB	15.36	1.88E+07	1.50 Y	0.95	0.98	3.2%	
PCB-14 35-DiCB	16.83	2.20E+07	1.50 Y	1.09	1.15	4.8%	
PCB-11 33'-DiCB	17.57	1.93E+07	1.51 Y	0.98	1.01	3.0%	
PCB-13/12 34'-/34-DiCB	17.84	3.78E+07	1.52 Y	0.97	0.99	1.7%	
PCB-15 44'-DiCB	18.11	1.96E+07	1.54 Y	1.01	1.02	1.6%	
PCB-19 22'6-TrCB	15.62	9.46E+06	1.07 Y	1.01	1.01	0.0%	
PCB-30/18 246-/22'5-TrCB	17.29	2.49E+07	1.04 Y	1.29	1.33	2.8%	
PCB-17 22'4-TrCB	17.67	1.08E+07	1.03 Y	1.14	1.15	1.6%	
PCB-27 23'6-TrCB	17.86	1.41E+07	1.04 Y	1.48	1.51	1.5%	
PCB-24 236-TrCB	17.98	1.34E+07	1.03 Y	1.43	1.43	0.0%	
PCB-16 22'3-TrCB	18.06	8.46E+06	1.07 Y	0.89	0.90	1.2%	
PCB-32 24'6-TrCB	18.53	1.48E+07	1.06 Y	1.56	1.59	1.7%	
PCB-34 2'35-TrCB	19.65	1.68E+07	1.07 Y	1.18	1.19	0.7%	
PCB-23 235-TrCB	19.79	1.69E+07	1.05 Y	1.19	1.19	0.6%	
PCB-26/29 23'5-/245-TrCB	20.07	3.40E+07	1.05 Y	1.20	1.20	0.2%	
PCB-25 23'4-TrCB	20.26	1.69E+07	1.07 Y	1.19	1.19	0.0%	
PCB-31 24'5-TrCB	20.53	1.77E+07	1.06 Y	1.23	1.25	2.1%	
PCB-28/20 244'-/233'-TrCB	20.79	3.38E+07	1.05 Y	1.18	1.19	1.3%	
PCB-21/33 234-/2'34-TrCB	20.96	3.45E+07	1.05 Y	1.21	1.22	0.4%	
PCB-22 234'-TrCB	21.33	1.61E+07	1.04 Y	1.11	1.14	2.2%	
PCB-36 33'5-TrCB	22.70	1.76E+07	1.07 Y	1.21	1.24	2.4%	
PCB-39 34'5-TrCB	23.01	1.83E+07	1.06 Y	1.32	1.30	-1.6%	
PCB-38 345-TrCB	23.51	1.66E+07	1.07 Y	1.15	1.17	1.5%	
PCB-35 33'4-TrCB	23.90	1.63E+07	1.06 Y	1.13	1.15	1.6%	
PCB-37 344'-TrCB	24.25	1.70E+07	1.05 Y	1.20	1.20	0.2%	
PCB-54 22'66'-TeCB	18.37	1.24E+07	0.77 Y	0.93	0.94	1.1%	
PCB-50/53 22'46-/22'56'TeCB	20.30	1.95E+07	0.77 Y	0.83	0.86	3.0%	
PCB-45 22'36'-TeCB	20.85	8.19E+06	0.79 Y	0.71	0.72	2.3%	
PCB-51 22'46'-TeCB	20.93	1.03E+07	0.81 Y	0.88	0.91	3.2%	
PCB-46 22'36'-TeCB	21.12	8.08E+06	0.81 Y	0.69	0.71	2.4%	
PCB-52 22'55'-TeCB	22.38	9.42E+06	0.76 Y	0.80	0.83	3.4%	
PCB-73 23'5'6TeCB	22.50	1.20E+07	0.77 Y	1.03	1.06	2.7%	
PCB-43 22'35'-TeCB	22.59	8.31E+06	0.75 Y	0.71	0.73	3.7%	
PCB-69/49 23'46-/22'45'TeCB	22.78	2.25E+07	0.76 Y	0.96	0.99	3.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.05	9.63E+06	0.79 Y	0.84	0.85	1.6%	
PCB-44/47/65 22'35'-/22'44'-	23.26	3.02E+07	0.80 Y	0.86	0.89	3.4%	
PCB-59/62/75 233'6'-/2346-/24	23.53	3.84E+07	0.78 Y	1.09	1.13	3.3%	
PCB-42 22'34'-TeCB	23.69	8.98E+06	0.76 Y	0.77	0.79	3.3%	
PCB-41 22'34'-TeCB	24.01	8.52E+06	0.76 Y	0.73	0.75	3.4%	
PCB-71/40 23'4'6'/22'33'-TeCB	24.11	1.92E+07	0.78 Y	0.81	0.85	4.0%	
PCB-64 234'6'-TeCB	24.31	1.36E+07	0.77 Y	1.17	1.20	2.9%	
PCB-72 23'55'-TeCB	25.04	1.50E+07	0.79 Y	1.25	1.32	5.2%	
PCB-68 23'45'-TeCB	25.29	1.59E+07	0.78 Y	1.36	1.40	2.5%	
PCB-57 233'5'-TeCB	25.65	1.44E+07	0.77 Y	1.22	1.27	3.4%	
PCB-58 233'5'-TeCB	25.85	1.45E+07	0.79 Y	1.26	1.27	1.5%	
PCB-67 23'45'-TeCB	26.00	1.51E+07	0.79 Y	1.27	1.33	4.2%	
PCB-63 234'5'-TeCB	26.22	1.57E+07	0.77 Y	1.34	1.39	3.7%	
PCB-61/70/74/76 2345-/23'4'5	26.50	5.91E+07	0.79 Y	1.24	1.30	4.7%	
PCB-66 23'44'-TeCB	26.78	1.41E+07	0.77 Y	1.19	1.24	4.4%	
PCB-55 233'4'-TeCB	26.92	1.43E+07	0.77 Y	1.22	1.26	3.3%	
PCB-56 233'4'-TeCB	27.35	1.39E+07	0.77 Y	1.18	1.22	3.7%	
PCB-60 2344'-TeCB	27.53	1.45E+07	0.76 Y	1.24	1.28	3.5%	
PCB-80 33'55'-TeCB	27.91	1.64E+07	0.80 Y	1.37	1.44	5.0%	
PCB-79 33'45'-TeCB	29.20	1.62E+07	0.76 Y	1.37	1.42	4.1%	
PCB-78 33'45'-TeCB	29.67	1.37E+07	0.77 Y	1.19	1.21	1.3%	
PCB-104 22'466'-PeCB	23.20	1.22E+07	0.63 Y	0.92	0.92	0.3%	
PCB-96 22'366'-PeCB	23.50	1.07E+07	0.62 Y	0.81	0.81	-0.2%	
PCB-103 22'45'6'-PeCB	25.20	8.28E+06	0.61 Y	0.78	0.79	2.3%	
PCB-94 22'356'-PeCB	25.37	7.40E+06	0.62 Y	0.71	0.71	-0.5%	
PCB-95 22'35'6'-PeCB	25.75	7.77E+06	0.61 Y	0.74	0.74	0.3%	
PCB-100/93 22'44'6'-/22'356-P	25.96	1.61E+07	0.62 Y	0.75	0.77	3.4%	
PCB-102 22'456'-PeCB	26.06	7.69E+06	0.61 Y	0.75	0.74	-1.6%	
PCB-98 22'3'46'-PeCB	26.13	7.90E+06	0.62 Y	0.71	0.76	6.4%	
PCB-88 22'346'-PeCB	26.42	6.83E+06	0.63 Y	0.66	0.65	-1.6%	
PCB-91 22'34'6'-PeCB	26.49	9.07E+06	0.63 Y	0.84	0.87	3.6%	
PCB-84 22'33'6'-PeCB	26.67	6.93E+06	0.62 Y	0.65	0.66	2.1%	
PCB-89 22'346'-PeCB	27.08	7.29E+06	0.61 Y	0.69	0.70	1.6%	
PCB-121 23'45'6'-PeCB	27.47	1.06E+07	0.62 Y	0.98	1.01	3.1%	
PCB-92 22'355'-PeCB	27.78	7.43E+06	0.61 Y	0.72	0.71	-0.6%	
PCB-113/90/101 233'5'6'-/22'3	28.25	2.57E+07	0.61 Y	0.81	0.82	1.5%	
PCB-83 22'33'5'-PeCB	28.67	6.74E+06	0.60 Y	0.62	0.65	3.6%	
PCB-99 22'44'5'-PeCB	28.78	7.89E+06	0.61 Y	0.76	0.76	-1.1%	
PCB-112 233'56'-PeCB	28.87	1.03E+07	0.61 Y	0.96	0.99	2.7%	
PCB-108/119/86/97/125/87 233	29.21	5.35E+07	0.61 Y	0.83	0.85	3.3%	
PCB-117 234'56'-PeCB	29.74	9.77E+06	0.60 Y	0.94	0.94	-0.5%	
PCB-116/85 23456-/22'344'-Pe	29.82	1.75E+07	0.63 Y	0.81	0.84	3.8%	
PCB-110 233'4'6'-PeCB	29.95	9.77E+06	0.61 Y	0.92	0.94	1.6%	

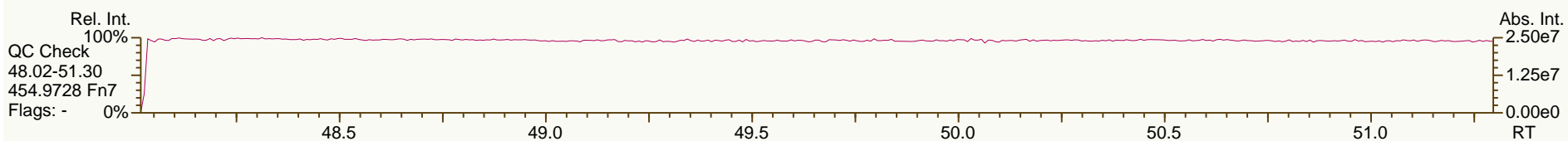
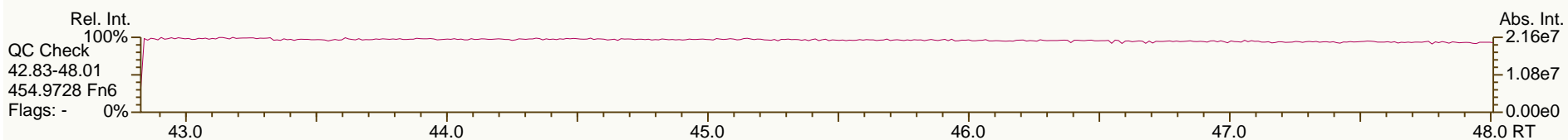
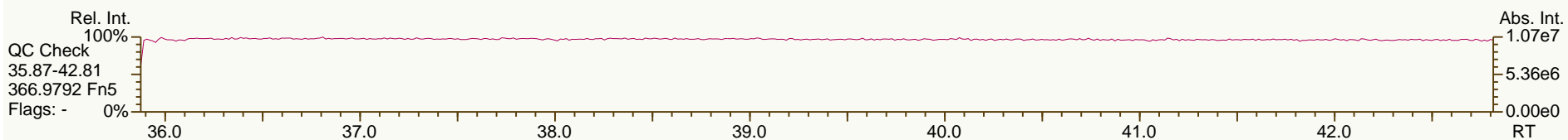
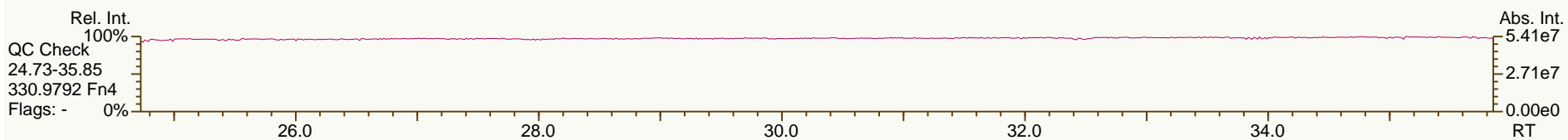
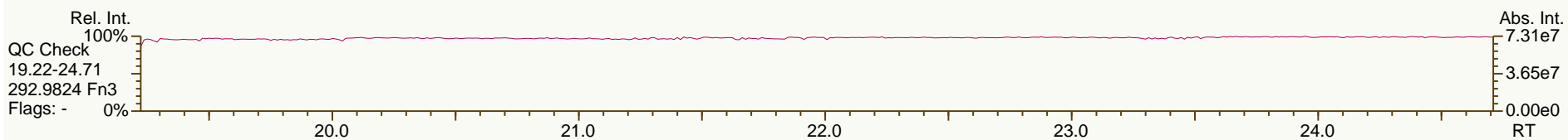
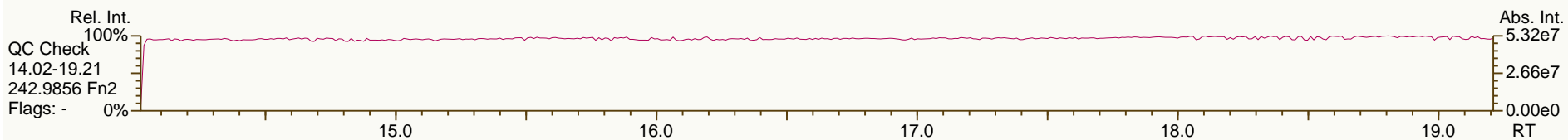
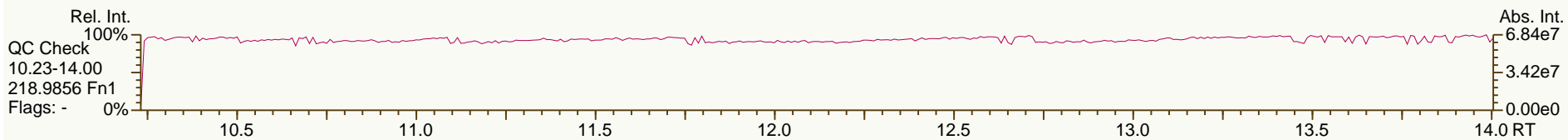
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.03	1.01E+07	0.63 Y	0.95	0.97	2.0%	
PCB-82 22'33'4-PeCB	30.21	6.53E+06	0.61 Y	0.62	0.63	1.5%	
PCB-111 233'55'-PeCB	30.58	1.04E+07	0.61 Y	0.98	1.00	1.4%	
PCB-120 23'455'-PeCB	30.97	1.06E+07	0.61 Y	0.99	1.01	1.8%	
PCB-107/124 233'4'5-/2'3455'	31.92	1.99E+07	0.62 Y	0.92	0.95	3.5%	
PCB-109 233'46-PeCB	32.12	1.07E+07	0.61 Y	1.00	1.02	2.9%	
PCB-106 233'45-PeCB	32.32	1.04E+07	0.61 Y	0.96	1.00	3.5%	
PCB-122 2'33'45-PeCB	32.78	9.49E+06	0.62 Y	0.93	1.00	7.5%	
PCB-127 33'455'-PeCB	34.75	1.02E+07	0.61 Y	1.04	1.09	4.6%	
PCB-155 22'44'66'-HxCB	28.11	1.25E+07	1.27 Y	1.06	1.08	2.1%	
PCB-152 22'3566'-HxCB	28.24	1.14E+07	1.26 Y	0.98	0.99	0.9%	
PCB-150 22'34'66'-HxCB	28.39	1.17E+07	1.26 Y	0.99	1.01	2.6%	
PCB-136 22'33'66'-HxCB	28.68	1.07E+07	1.24 Y	0.92	0.92	0.3%	
PCB-145 22'3466'HxCB	28.95	1.09E+07	1.21 Y	0.94	0.94	0.5%	
PCB-148 22'34'56'-HxCB	30.25	8.54E+06	1.23 Y	0.95	0.96	0.9%	
PCB-151/135 22'355'6-/22'33'	30.76	1.68E+07	1.24 Y	0.92	0.94	2.2%	
PCB-154 22'44'5'6-HxCB	30.98	9.24E+06	1.22 Y	1.01	1.03	1.9%	
PCB-144 22'345'6-HxCB	31.23	8.53E+06	1.24 Y	0.93	0.96	2.7%	
PCB-147/149 22'34'56-/22'34'	31.53	1.71E+07	1.24 Y	0.94	0.96	2.5%	
PCB-134 22'33'56-HxCB	31.69	6.95E+06	1.28 Y	0.78	0.78	-0.8%	
PCB-143 22'3456'-HxCB	31.77	8.19E+06	1.25 Y	0.90	0.92	2.4%	
PCB-139/140 22'344'6-/22'344'	32.04	1.76E+07	1.26 Y	0.95	0.99	3.8%	
PCB-131 22'33'46-HxCB	32.20	7.53E+06	1.27 Y	0.84	0.84	0.9%	
PCB-142 22'3456-HxCB	32.34	7.76E+06	1.30 Y	0.87	0.87	-0.1%	
PCB-132 22'33'46'-HxCB	32.58	7.80E+06	1.24 Y	0.88	0.87	-0.4%	
PCB-133 22'33'55'-HxCB	33.03	7.89E+06	1.25 Y	0.89	0.88	-0.6%	
PCB-165 233'55'6-HxCB	33.37	9.69E+06	1.28 Y	1.06	1.09	2.1%	
PCB-146 22'34'55'-HxCB	33.58	8.61E+06	1.23 Y	0.94	0.96	2.2%	
PCB-161 233'45'6-HxCB	33.69	1.06E+07	1.27 Y	1.20	1.19	-0.8%	
PCB-153/168 22'44'55'-/23'44'	34.12	2.08E+07	1.25 Y	1.15	1.16	1.4%	
PCB-141 22'3455'-HxCB	34.25	7.99E+06	1.24 Y	0.91	0.89	-2.0%	
PCB-130 22'33'45'-HxCB	34.59	7.45E+06	1.27 Y	0.82	0.83	1.5%	
PCB-137 22'344'5-HxCB	34.79	9.24E+06	1.27 Y	1.00	1.04	3.2%	
PCB-164 233'4'5'6-HxCB	34.88	1.02E+07	1.28 Y	1.14	1.14	0.3%	
PCB-163/138/129 233'4'56-/22'	35.16	2.66E+07	1.26 Y	0.98	0.99	0.7%	
PCB-160 233'456-HxCB	35.29	1.04E+07	1.25 Y	1.14	1.17	2.0%	
PCB-158 233'44'6-HxCB	35.48	1.12E+07	1.28 Y	1.24	1.26	1.1%	
PCB-128/166 22'33'44'-/2344'5	36.20	1.65E+07	1.24 Y	0.86	0.90	4.5%	
PCB-159 233'455'-HxCB	37.05	9.41E+06	1.24 Y	1.03	1.03	0.2%	
PCB-162 233'4'55'-HxCB	37.29	9.81E+06	1.22 Y	1.04	1.07	3.3%	
PCB-188 22'34'566'-HpCB	32.96	1.21E+07	1.06 Y	1.07	1.07	0.4%	
PCB-179 22'33'566'-HpCB	33.23	1.13E+07	1.04 Y	0.98	1.00	2.4%	
PCB-184 22'344'66'-HpCB	33.70	1.08E+07	1.07 Y	0.97	0.95	-1.9%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
Lab ID:	CS3_120126_PCB_SB			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.98	1.22E+07	1.06 Y	1.06	1.08	1.2%	
PCB-186 22'34566'-HpCB	34.36	1.16E+07	1.05 Y	1.02	1.03	0.9%	
PCB-178 22'33'55'6'-HpCB	35.53	8.75E+06	1.07 Y	0.77	0.78	0.5%	
PCB-175 22'33'45'6'-HpCB	36.08	7.76E+06	1.07 Y	0.89	0.90	0.8%	
PCB-187 22'34'55'6'-HpCB	36.31	8.13E+06	1.04 Y	0.94	0.94	0.8%	
PCB-182 22'344'56'-HpCB	36.48	8.46E+06	1.05 Y	0.95	0.98	3.4%	
PCB-183 22'344'5'6'-HpCB	36.83	9.15E+06	1.03 Y	0.96	1.06	10.9%	
PCB-185 22'3455'6'-HpCB	36.90	7.56E+06	1.04 Y	0.93	0.88	-5.7%	
PCB-174 22'33'456'-HpCB	37.01	6.92E+06	1.06 Y	0.80	0.80	0.2%	
PCB-177 22'33'4'56'-HpCB	37.38	7.16E+06	1.01 Y	0.82	0.83	1.8%	
PCB-181 22'344'56'-HpCB	37.73	8.22E+06	1.03 Y	0.91	0.95	4.5%	
PCB-171/173 22'33'44'6'-/22'3	37.90	1.46E+07	1.03 Y	0.81	0.85	4.0%	
PCB-172 22'33'455'-HpCB	39.29	7.41E+06	1.02 Y	0.83	0.86	4.0%	
PCB-192 233'455'6'-HpCB	39.54	9.52E+06	1.03 Y	1.09	1.10	1.1%	
PCB-180/193 22'344'55'-/233'	39.81	1.80E+07	1.03 Y	1.01	1.04	2.9%	
PCB-191 233'44'5'6'-HpCB	40.14	9.88E+06	1.03 Y	1.13	1.15	1.1%	
PCB-170 22'33'44'5'-HpCB	40.89	7.32E+06	1.03 Y	1.00	1.02	2.4%	
PCB-190 233'44'56'-HpCB	41.35	9.73E+06	1.02 Y	1.35	1.36	0.4%	
PCB-202 22'33'55'66'-OcCB	37.50	8.66E+06	0.89 Y	0.83	0.83	-0.1%	
PCB-201 22'33'45'66'-OcCB	38.28	9.93E+06	0.89 Y	0.93	0.95	2.3%	
PCB-204 22'344'566'-OcCB	38.86	9.26E+06	0.89 Y	0.89	0.88	-0.9%	
PCB-197 22'33'44'66'-OcCB	39.05	9.55E+06	0.84 Y	0.91	0.91	-0.2%	
PCB-200 22'33'4566'-OcCB	39.12	9.97E+06	0.89 Y	0.93	0.95	2.4%	
PCB-198/199 22'33'455'6'-/22'	41.48	1.46E+07	0.88 Y	0.68	0.69	1.7%	
PCB-196 22'33'44'56'-OcCB	42.05	7.51E+06	0.89 Y	0.72	0.72	-0.1%	
PCB-203 22'344'55'6'-OcCB	42.22	7.74E+06	0.90 Y	0.74	0.74	0.1%	
PCB-195 22'33'44'56'-OcCB	43.33	5.96E+06	0.92 Y	0.81	0.82	1.4%	
PCB-194 22'33'44'55'-OcCB	45.31	6.37E+06	0.88 Y	0.86	0.88	2.5%	
PCB-205 233'44'55'6'-OcCB	45.71	7.93E+06	0.88 Y	1.09	1.09	0.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.72E+06	0.80 Y	0.98	0.98	0.7%	
PCB-207 22'33'44'566'-NoCB	43.93	8.06E+06	0.76 Y	1.02	1.03	1.0%	
PCB-206 22'33'44'55'6'-NoCB	47.17	5.92E+06	0.80 Y	0.93	0.95	1.4%	

AP Lab ID: CS3_120126_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

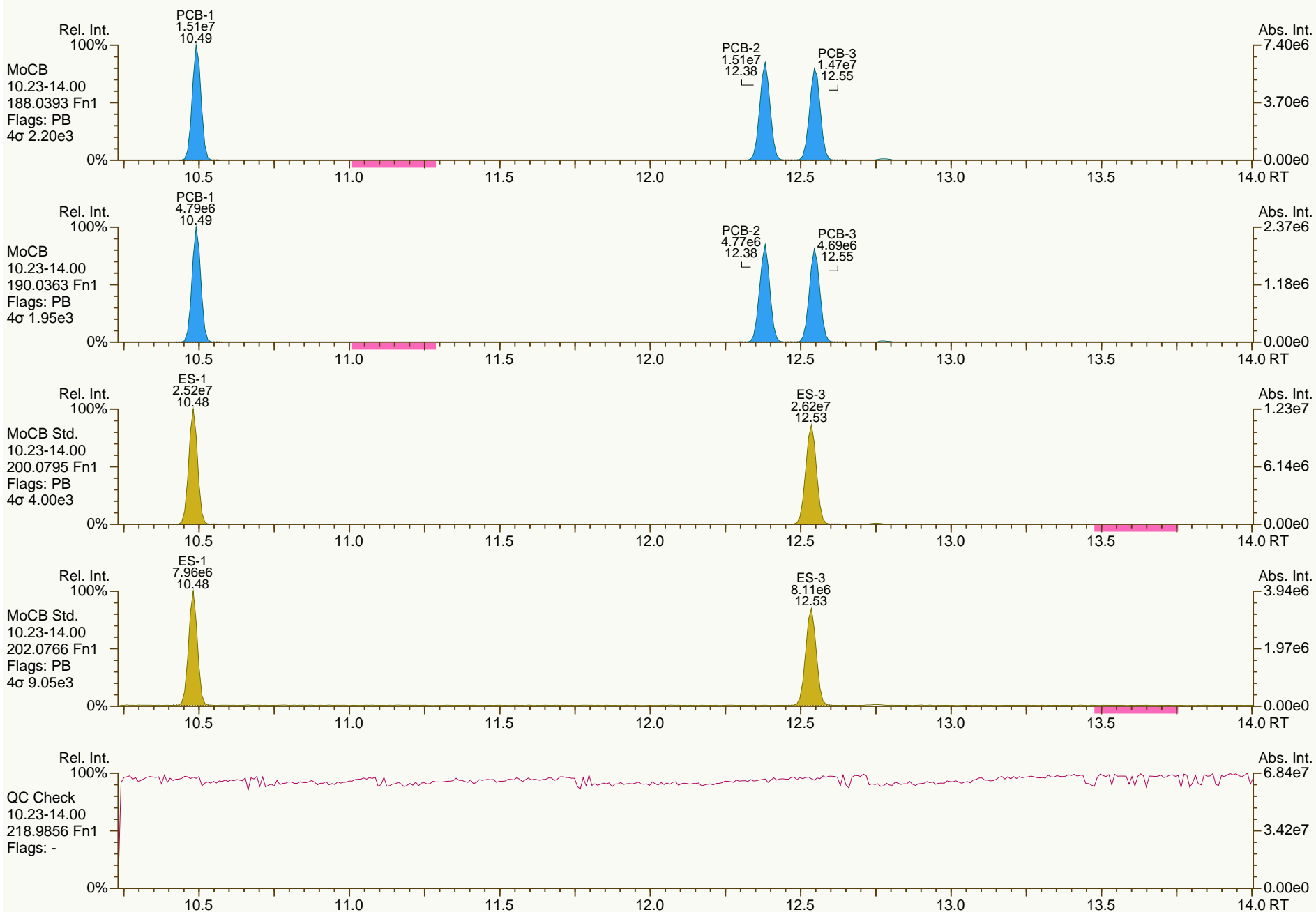
Acq: 26-Jan-2012 18:54:44
User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

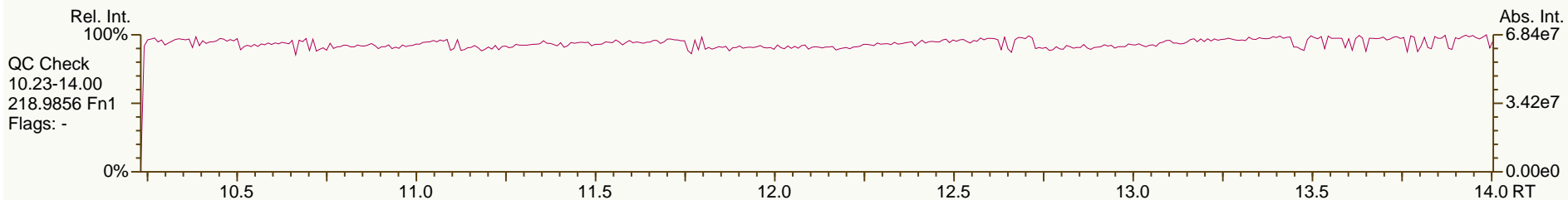
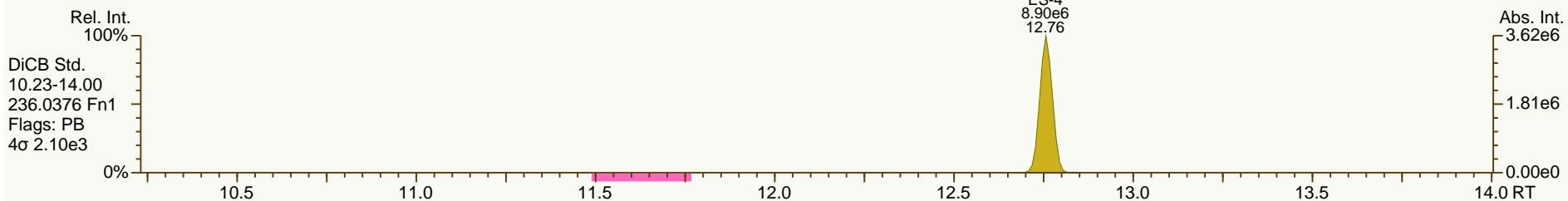
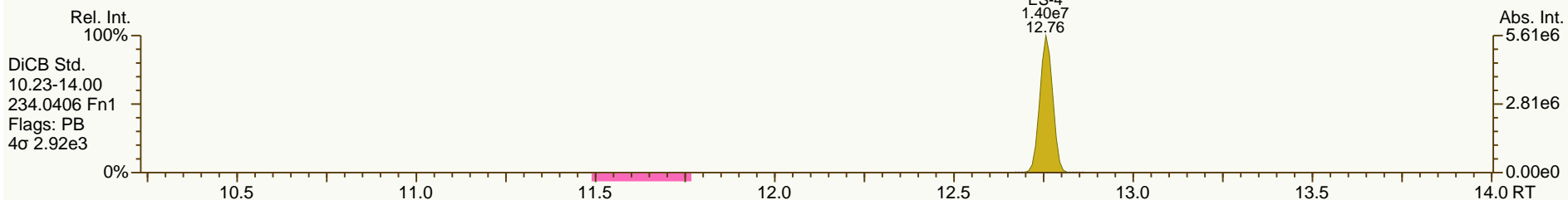
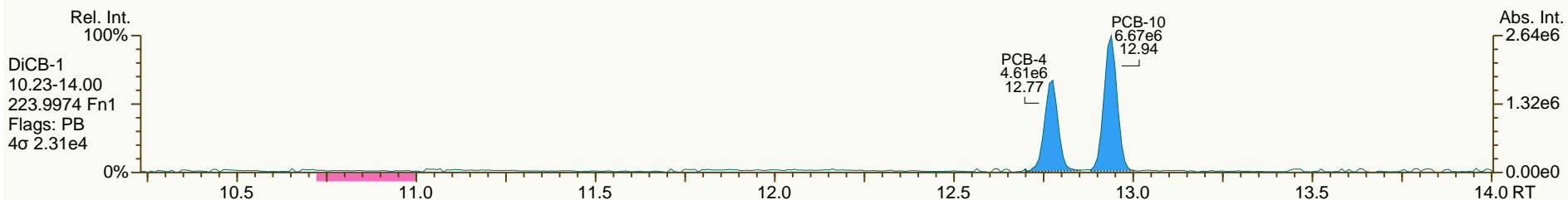
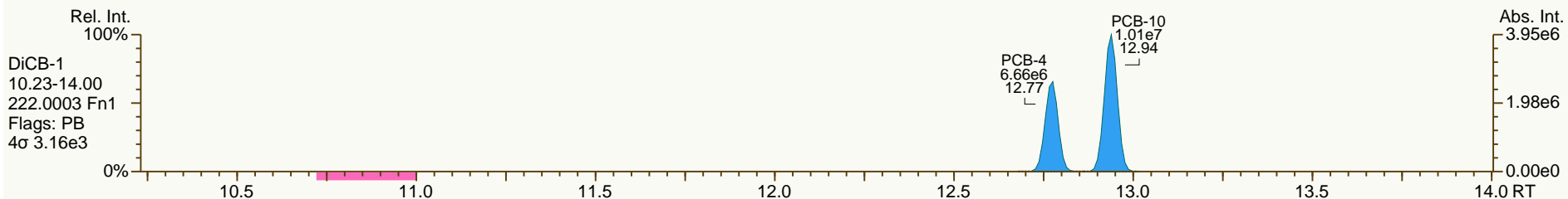
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

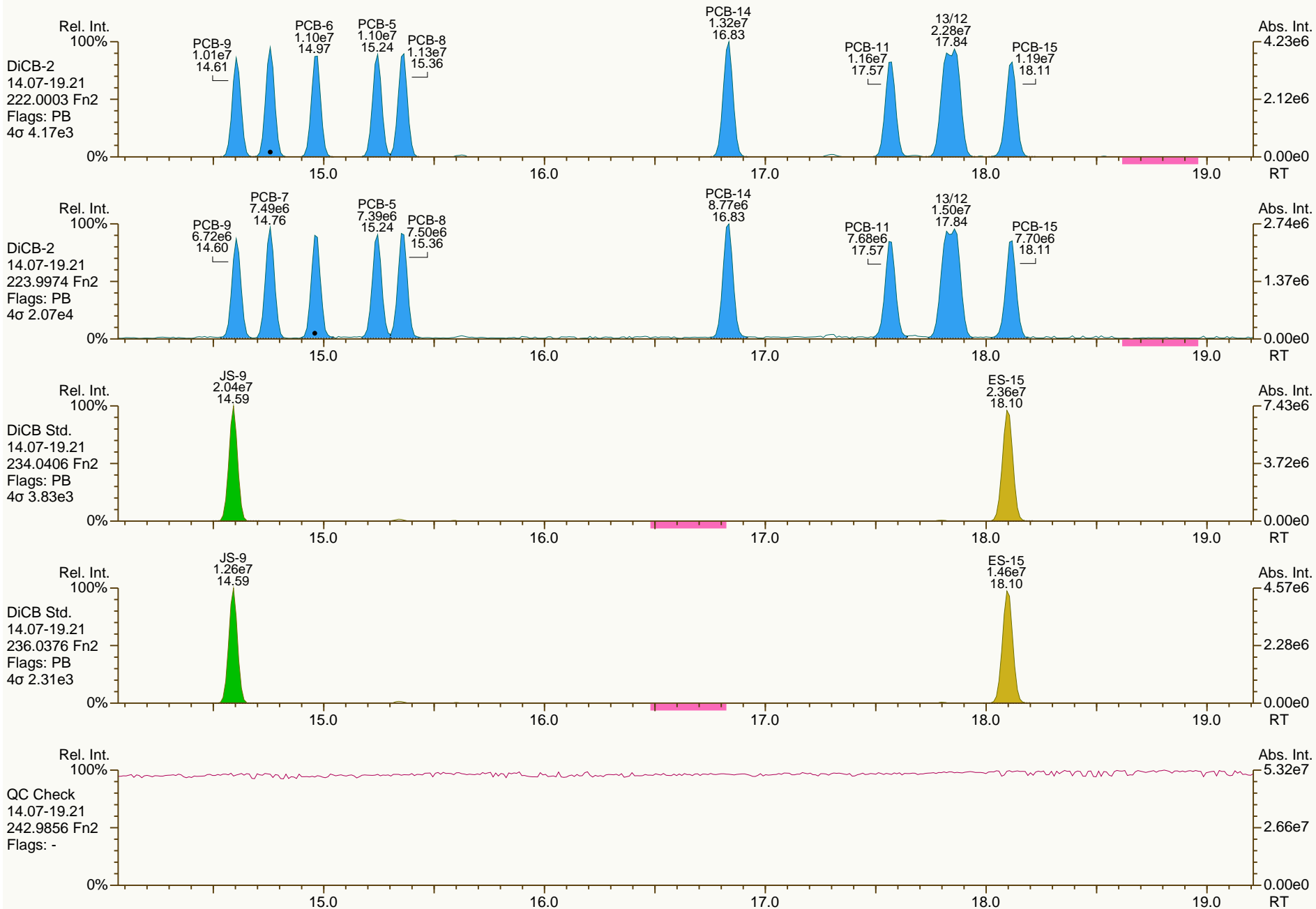
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

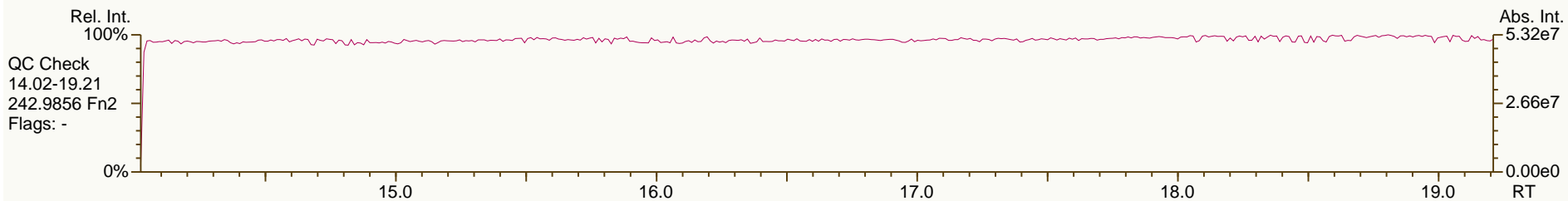
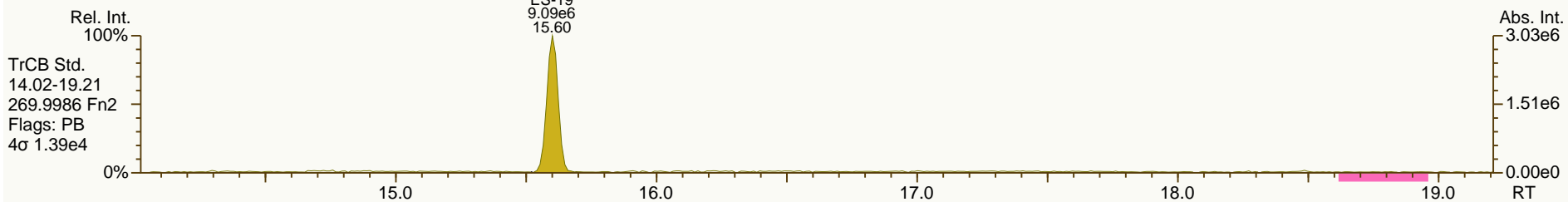
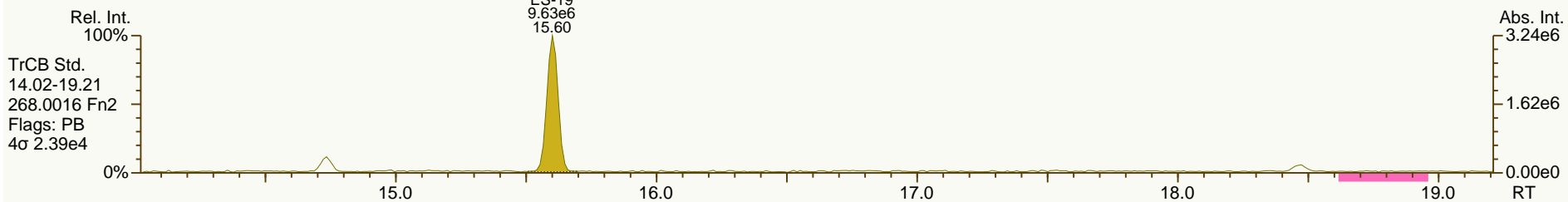
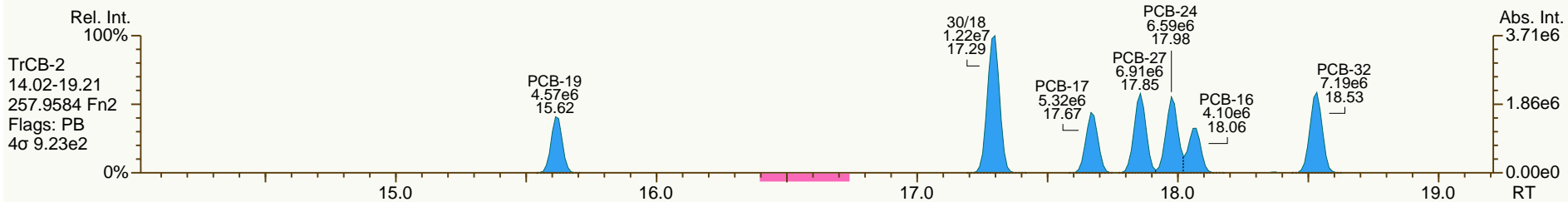
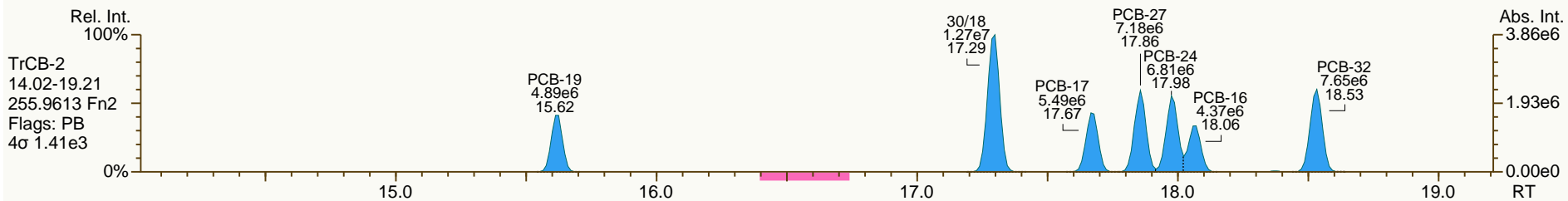
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

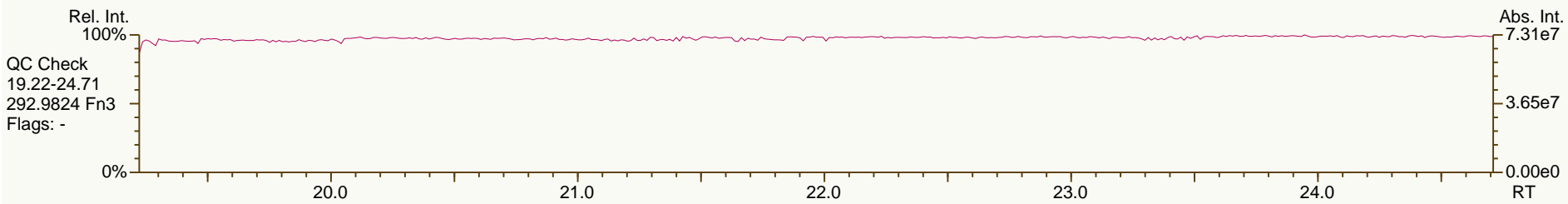
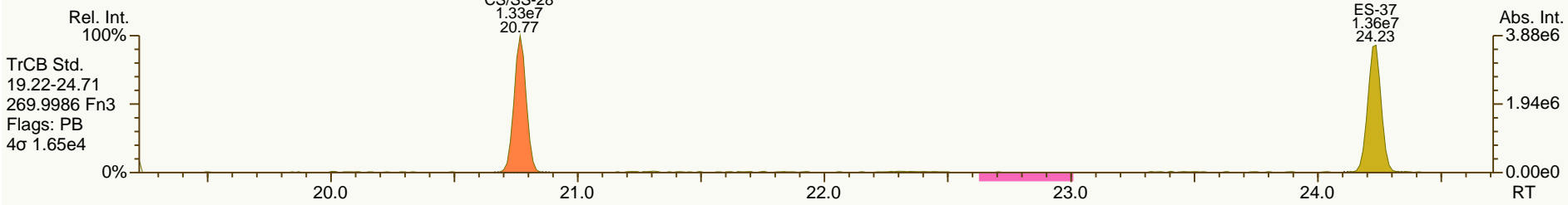
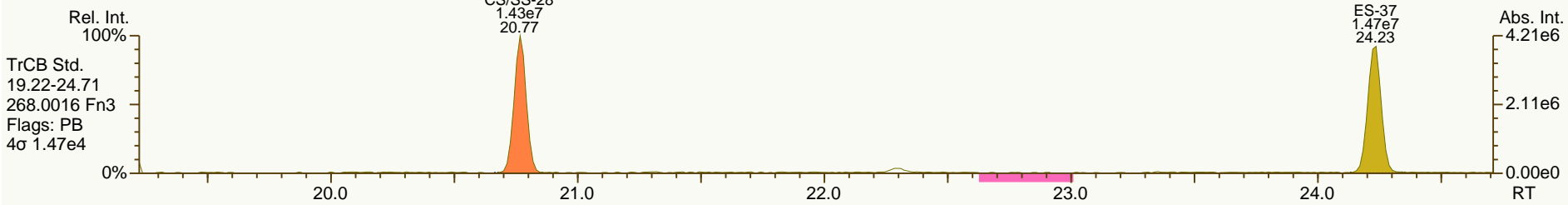
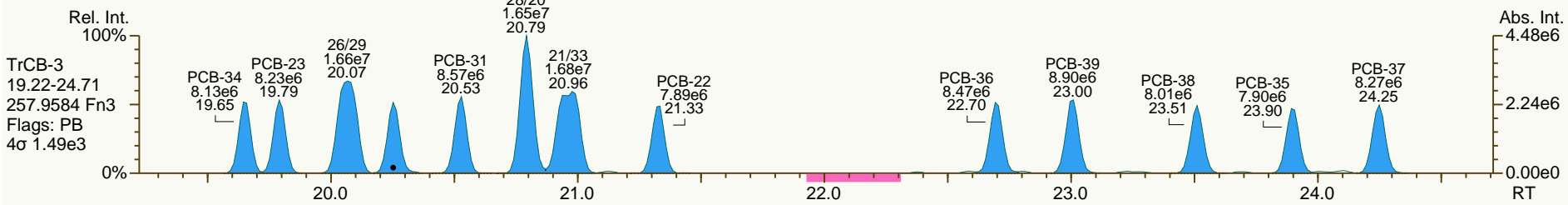
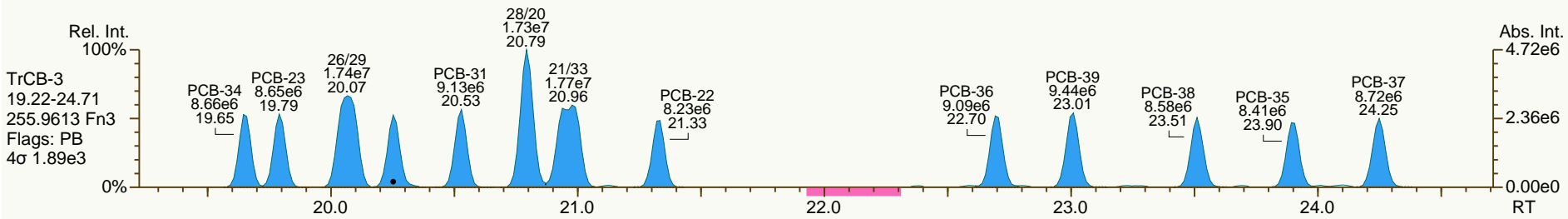
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

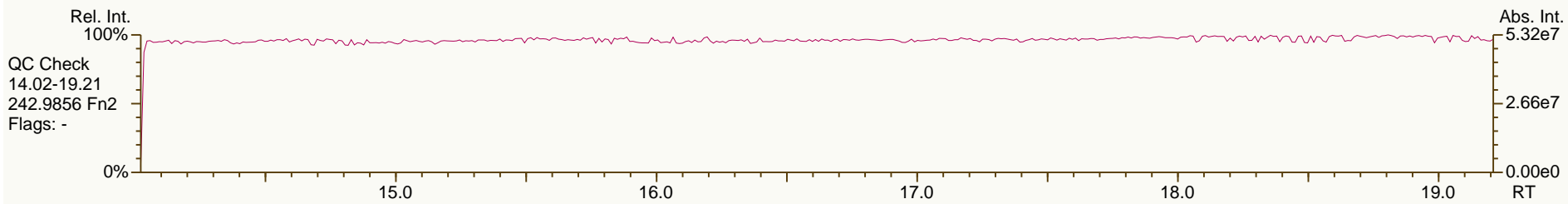
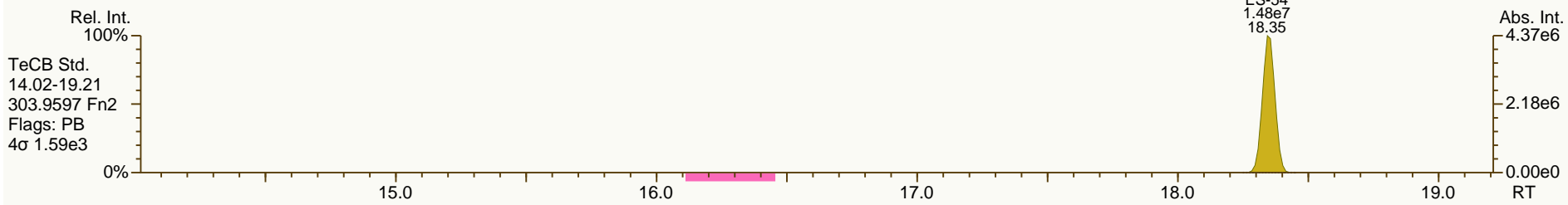
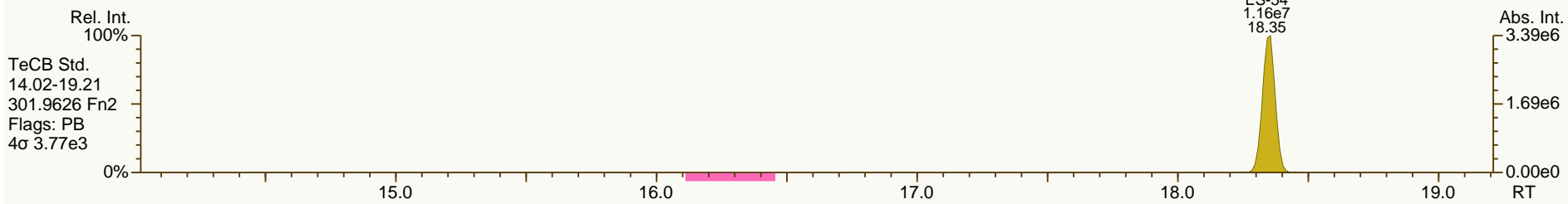
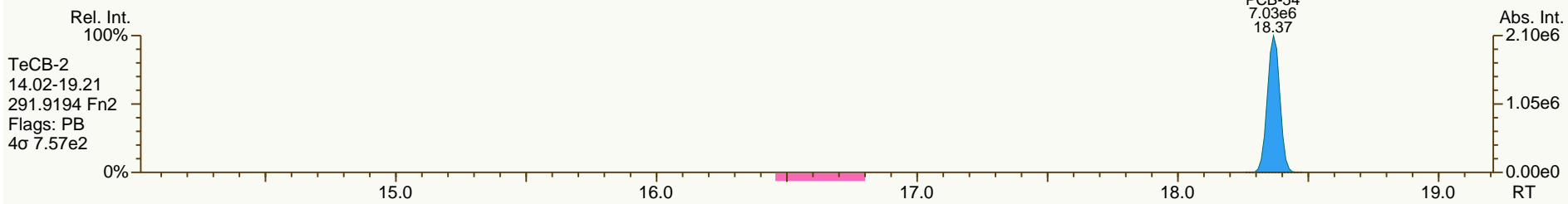
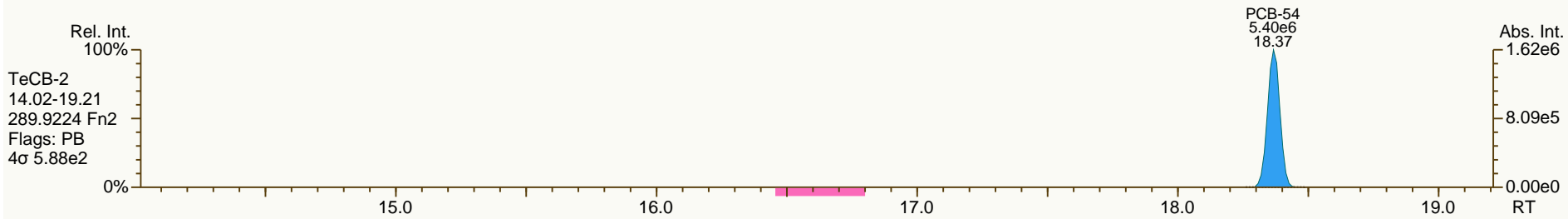
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

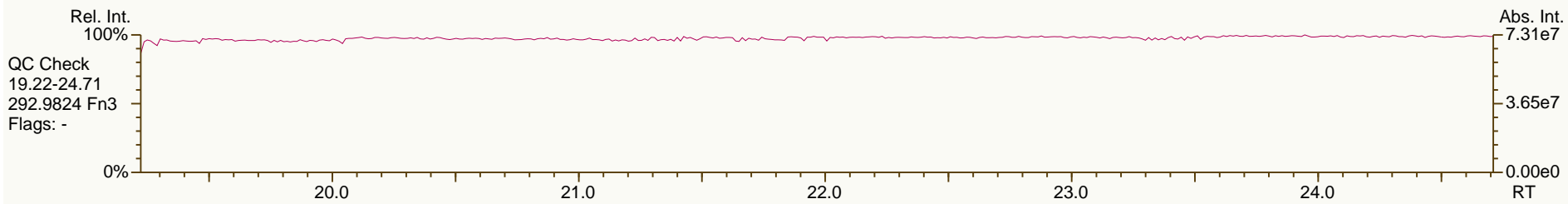
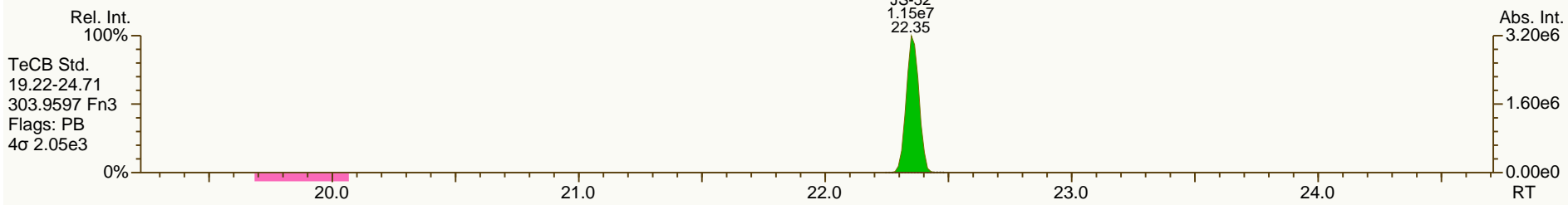
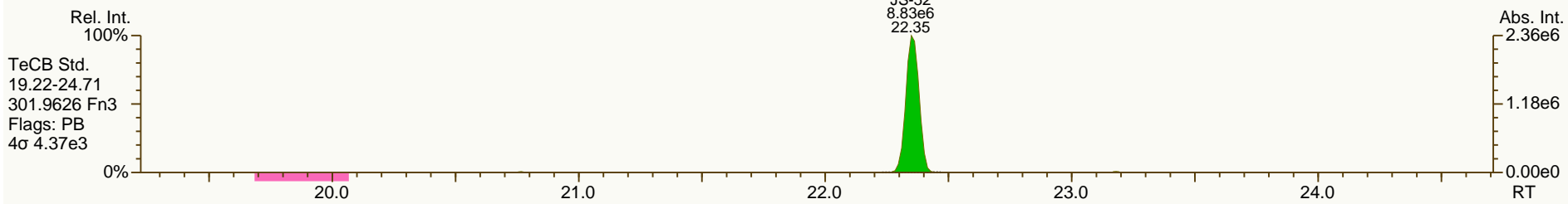
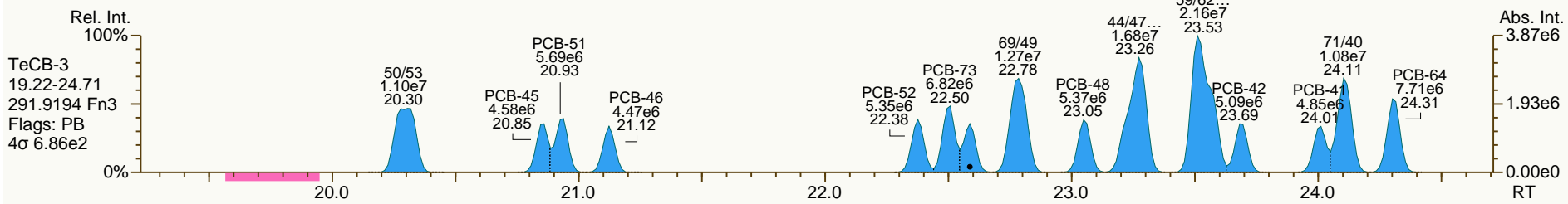
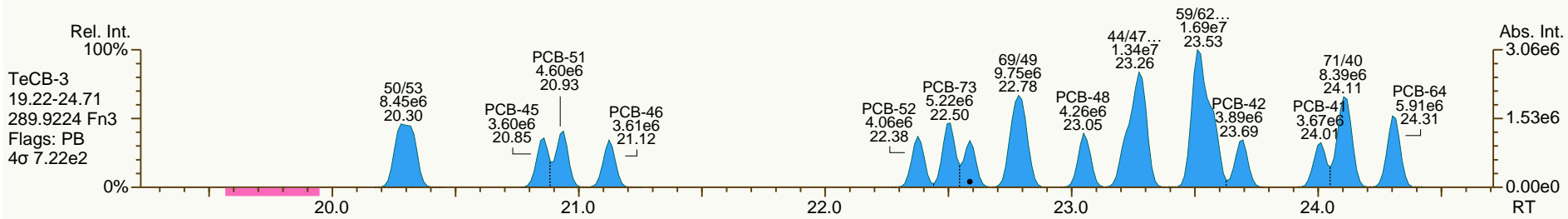
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

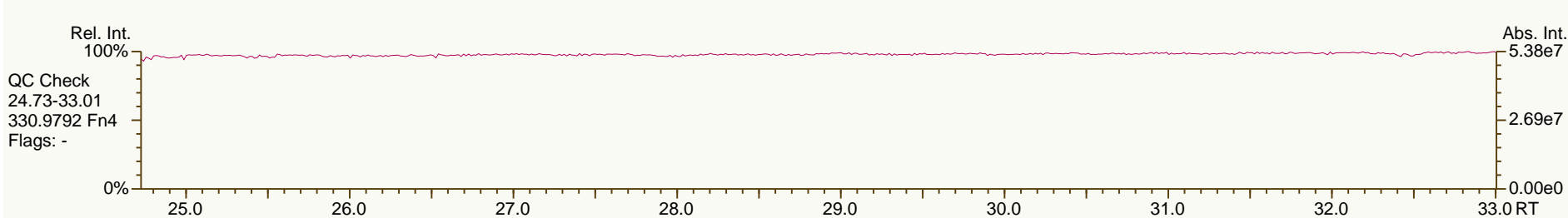
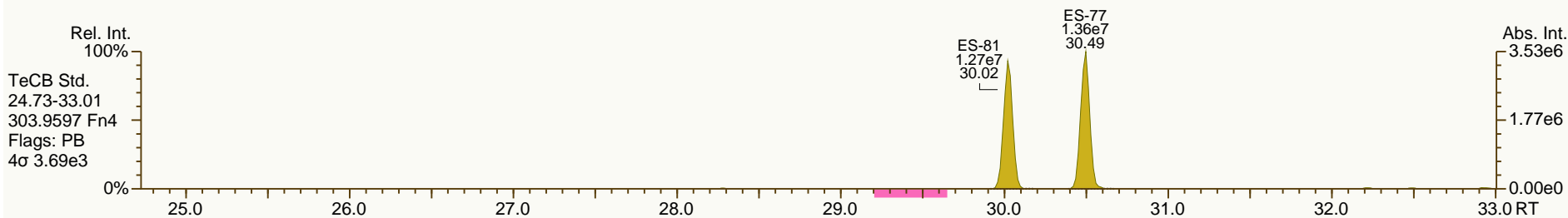
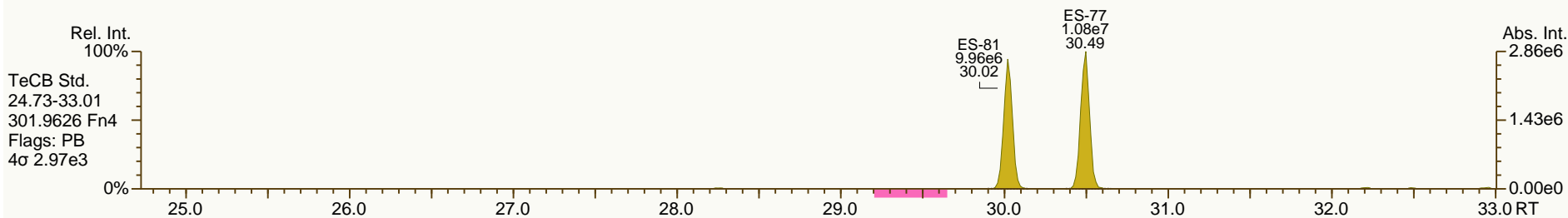
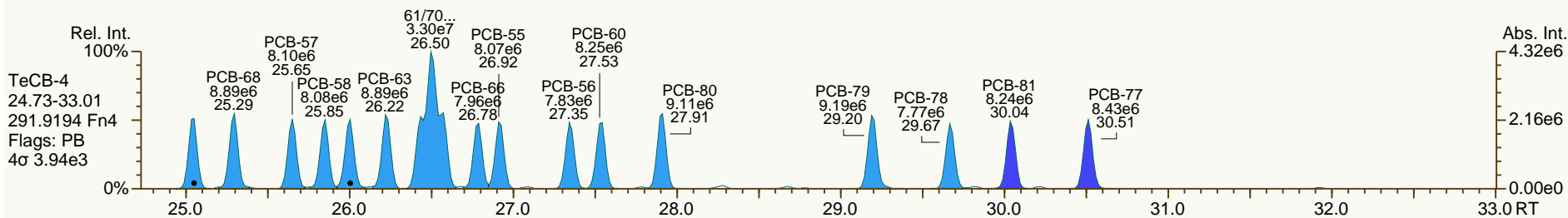
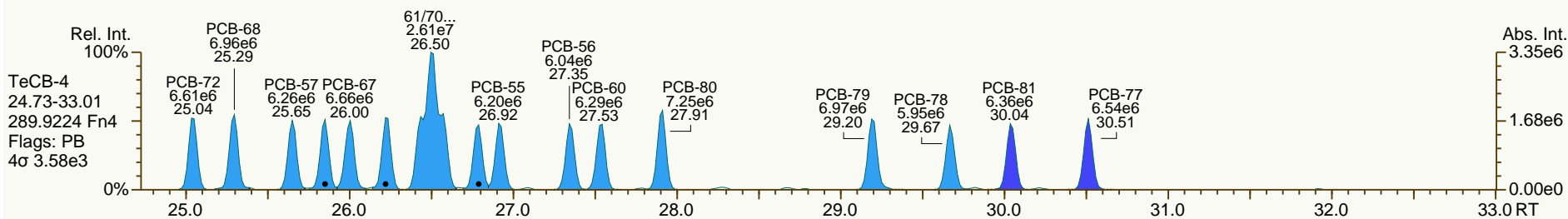
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

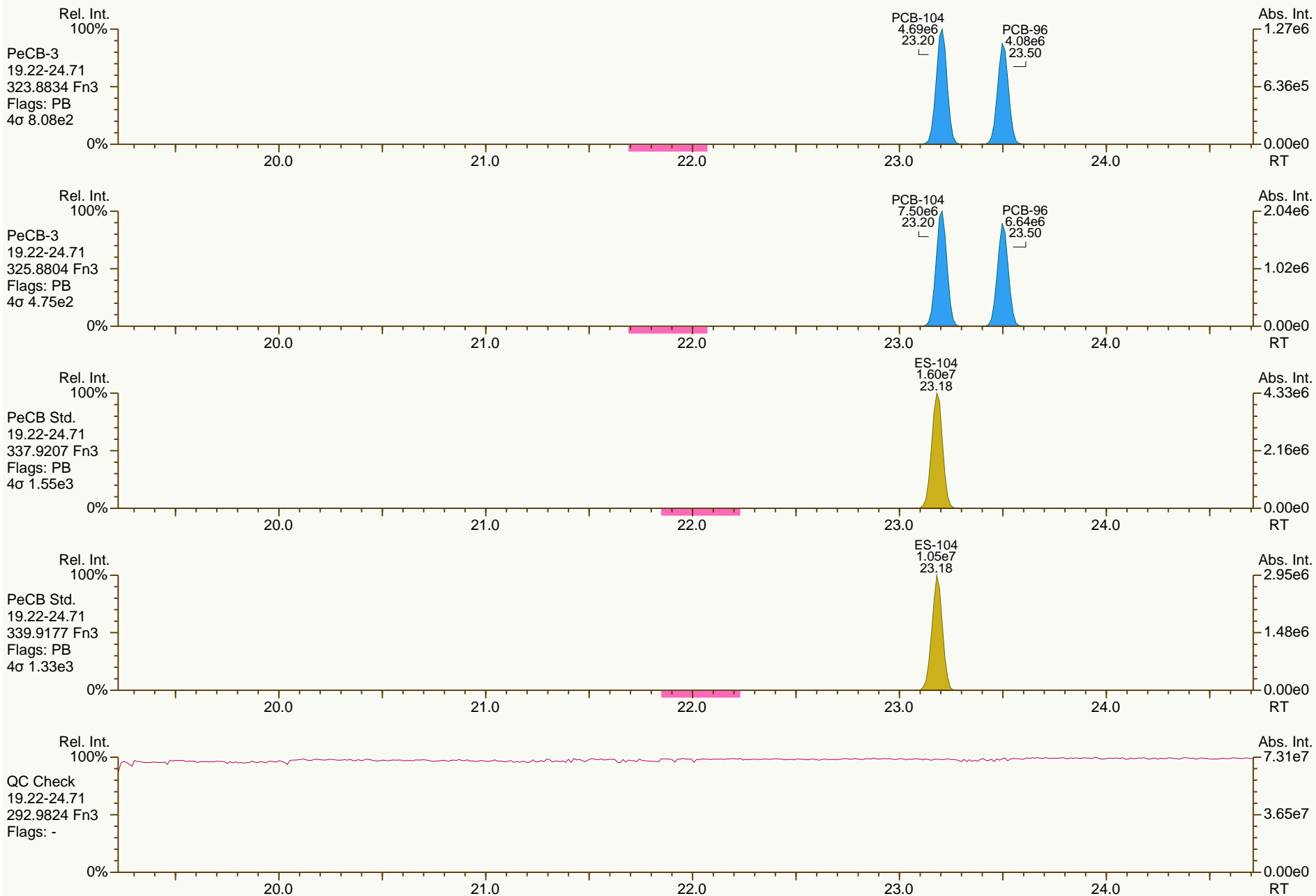
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

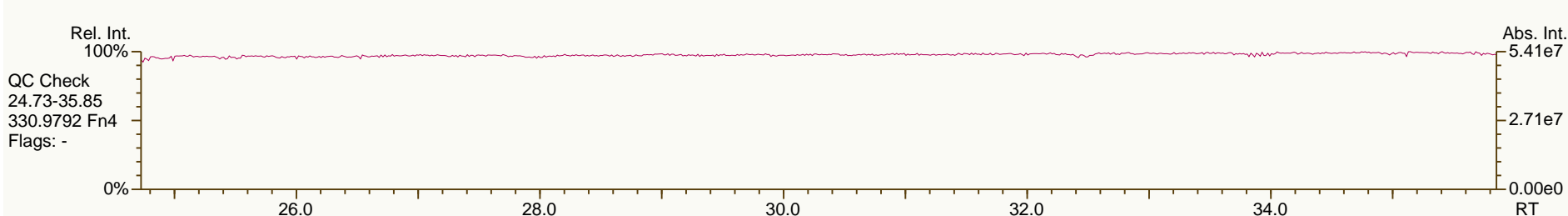
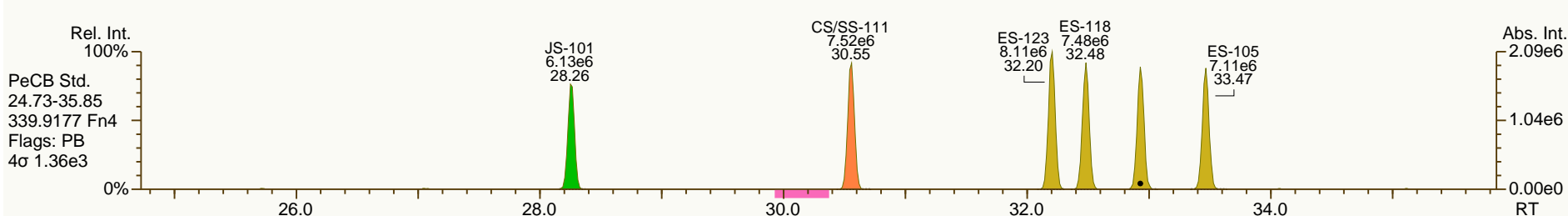
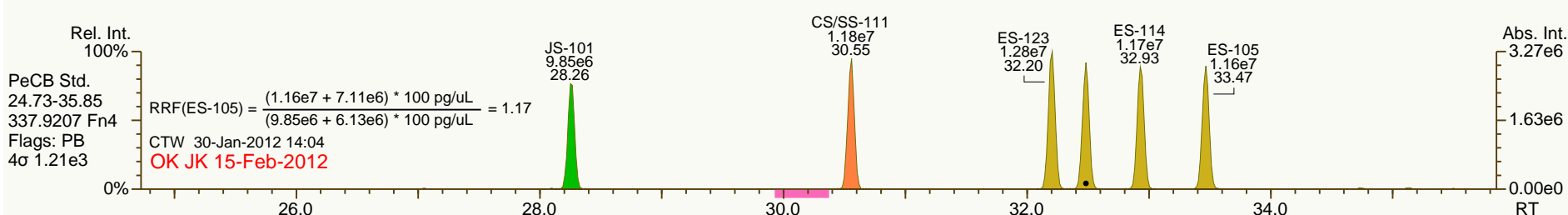
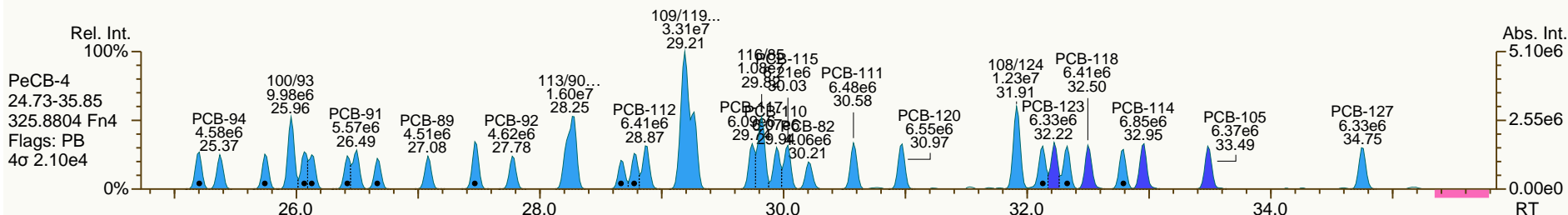
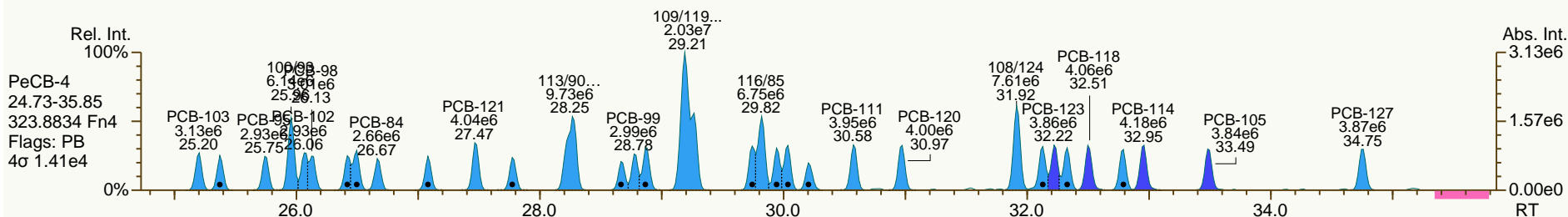
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

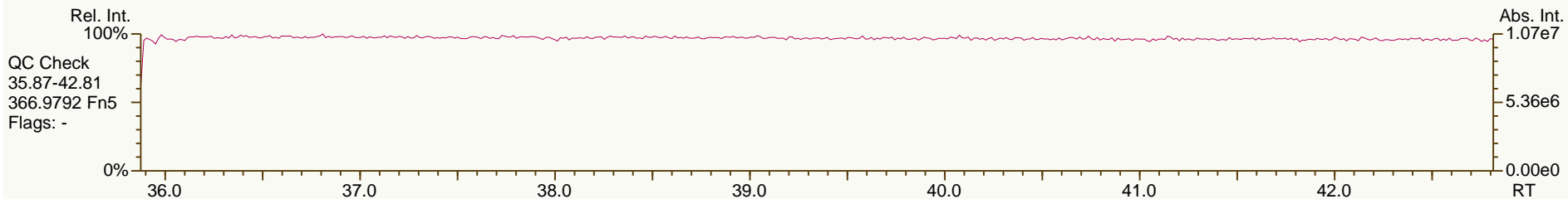
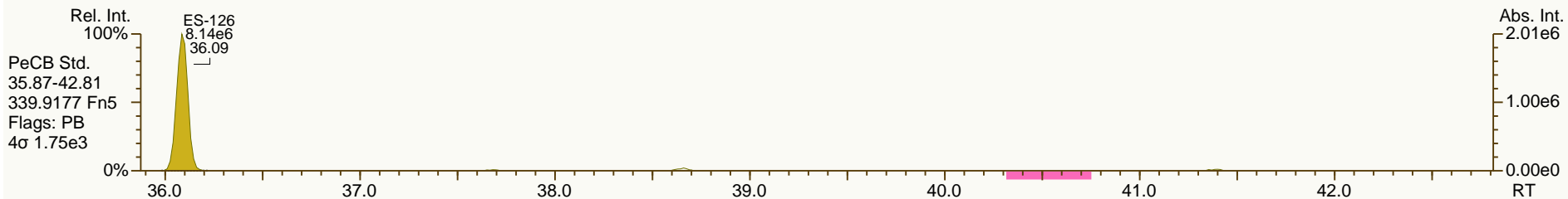
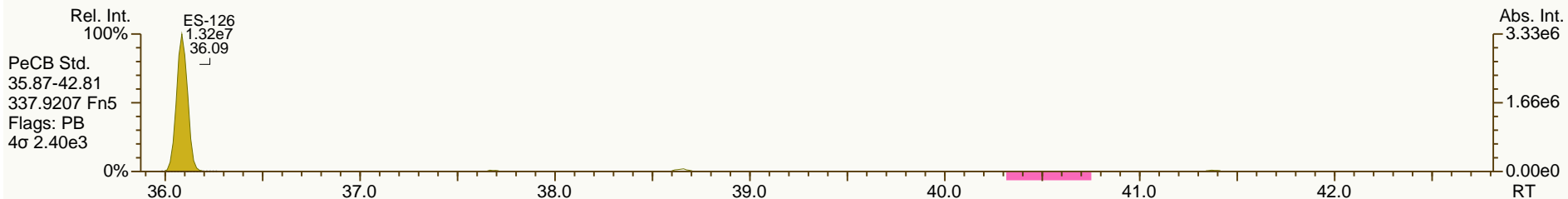
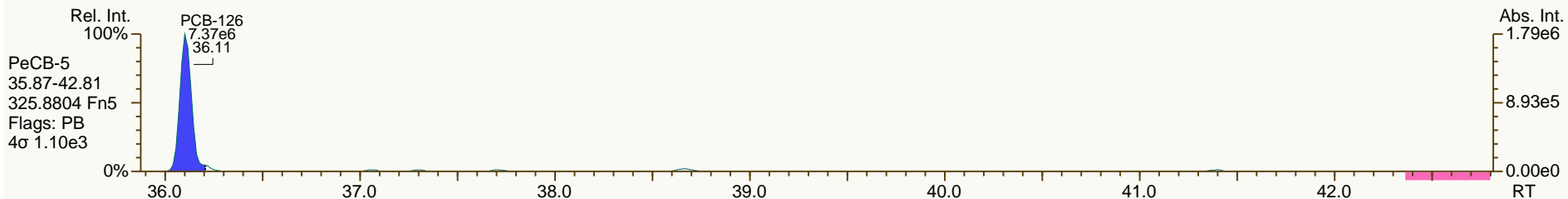
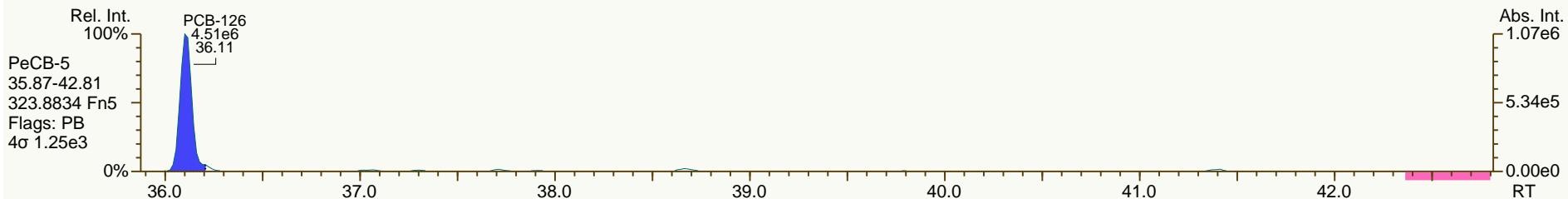
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

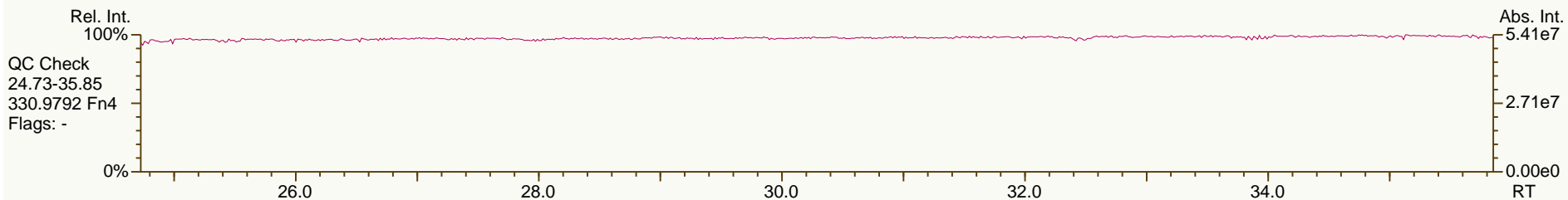
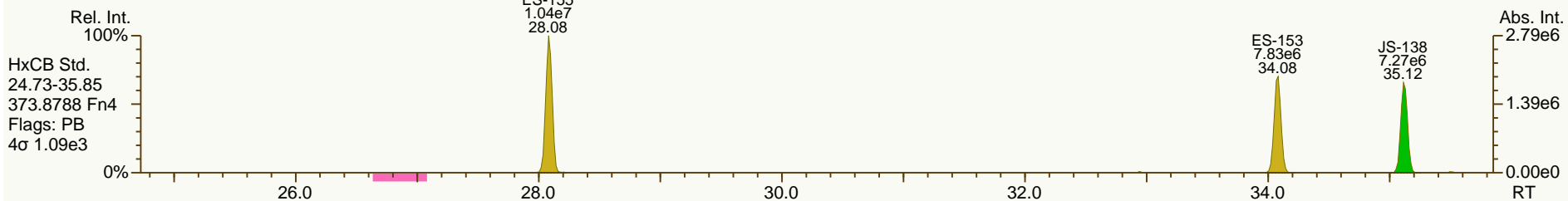
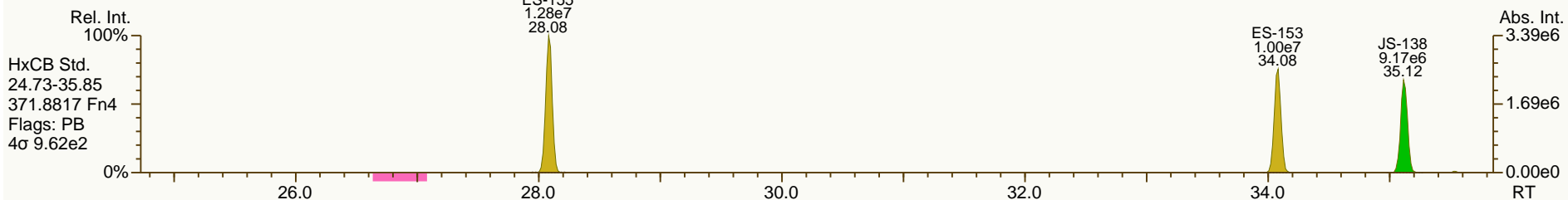
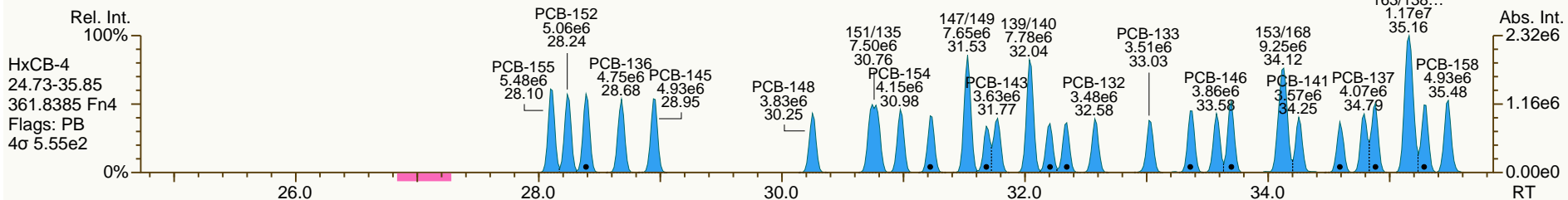
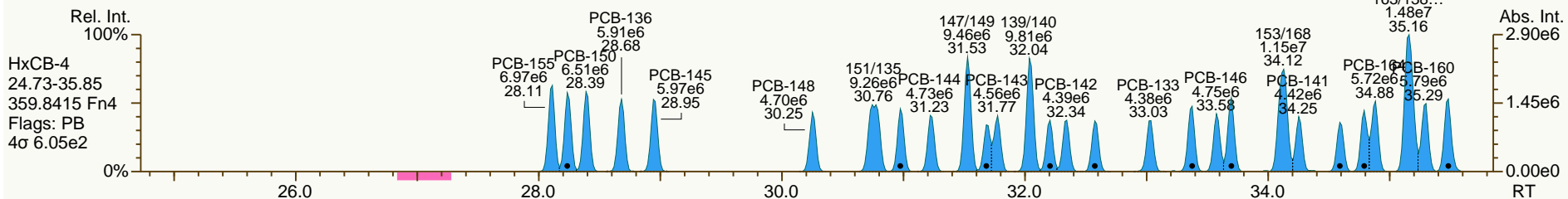
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

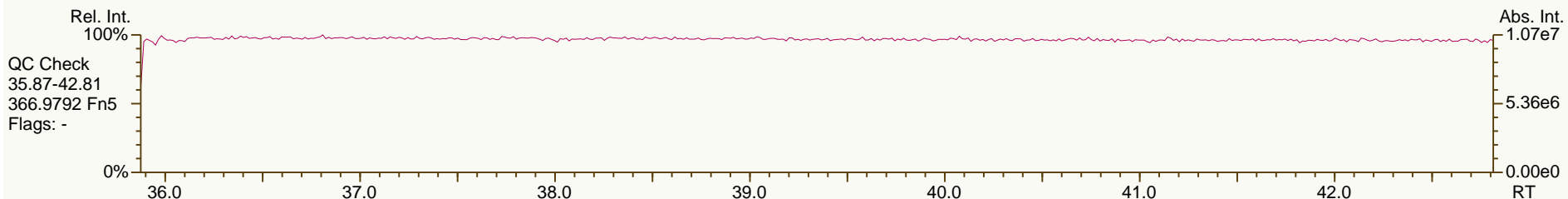
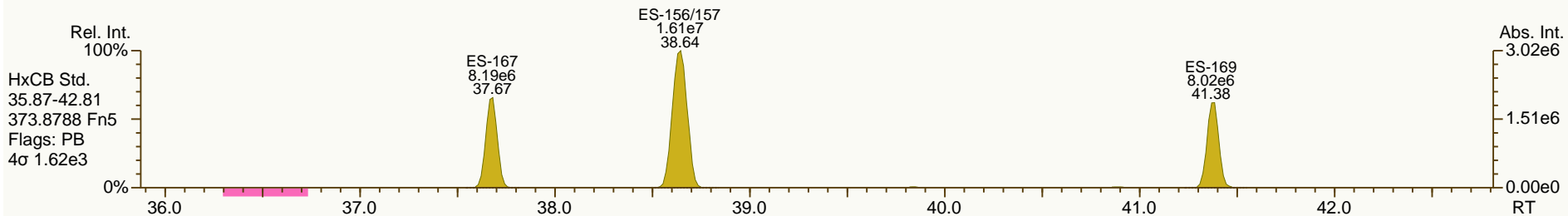
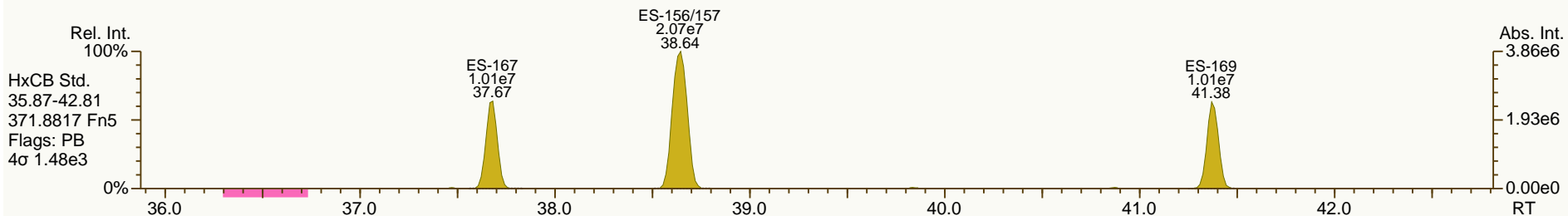
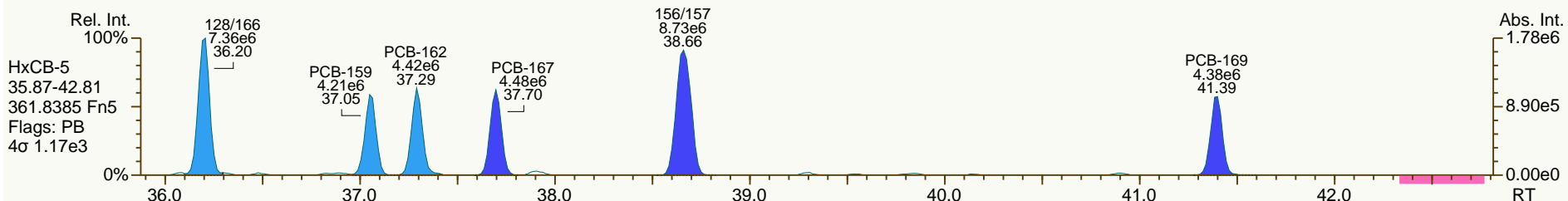
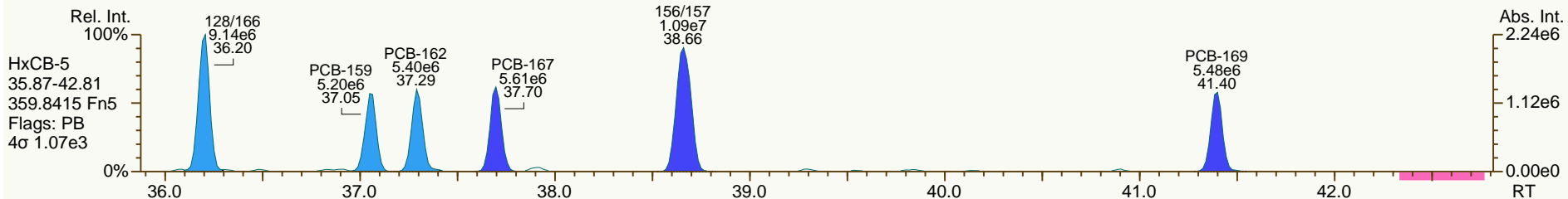
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

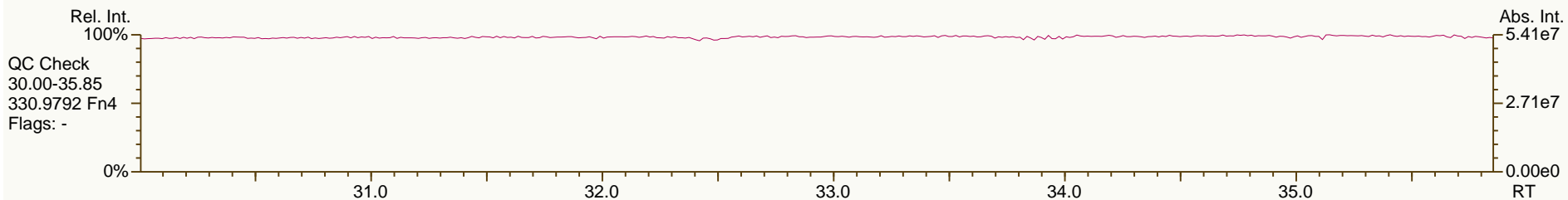
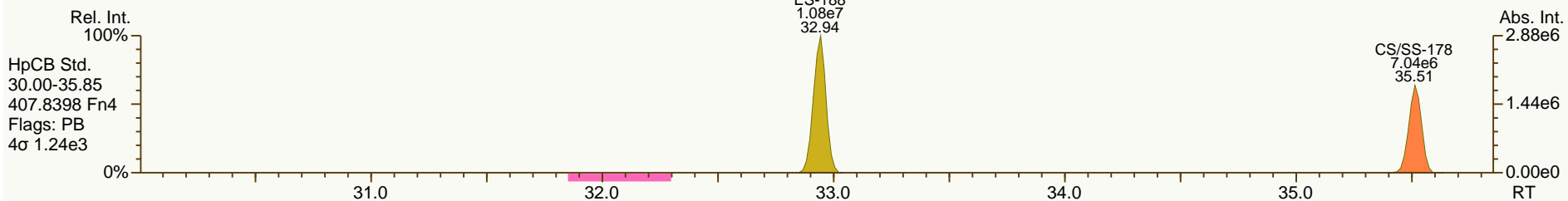
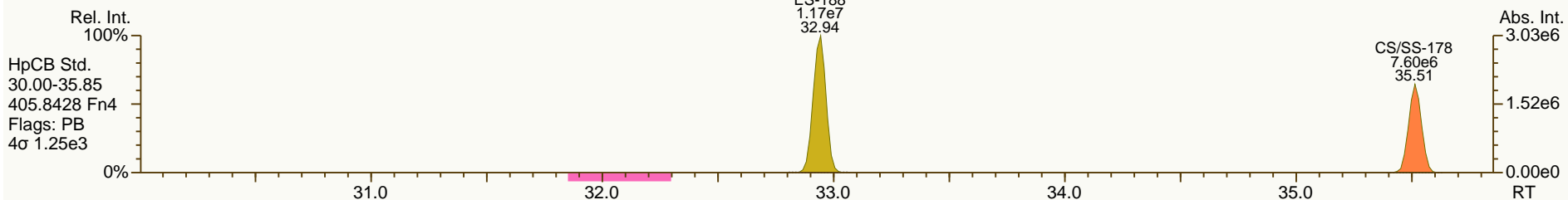
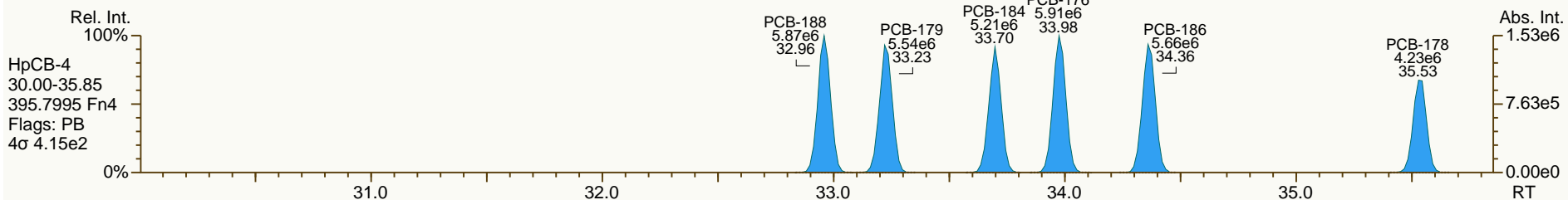
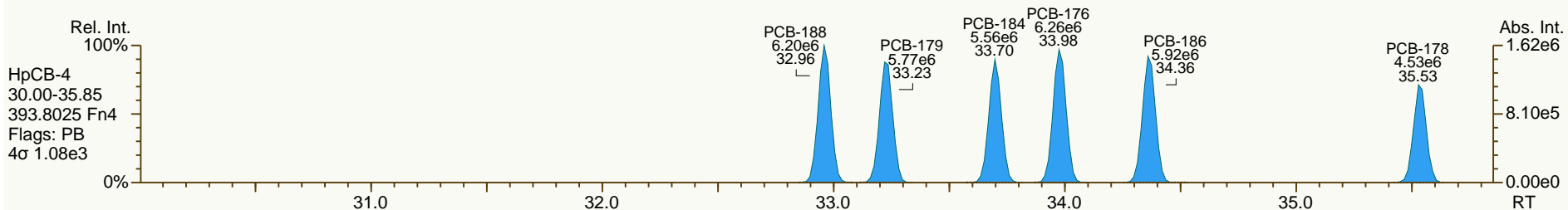
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

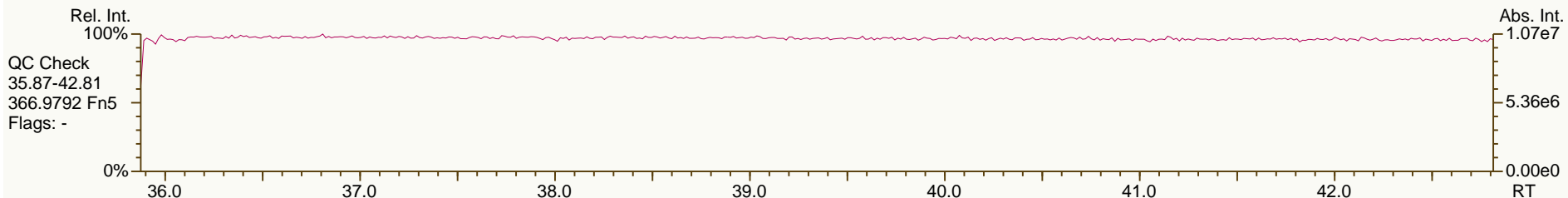
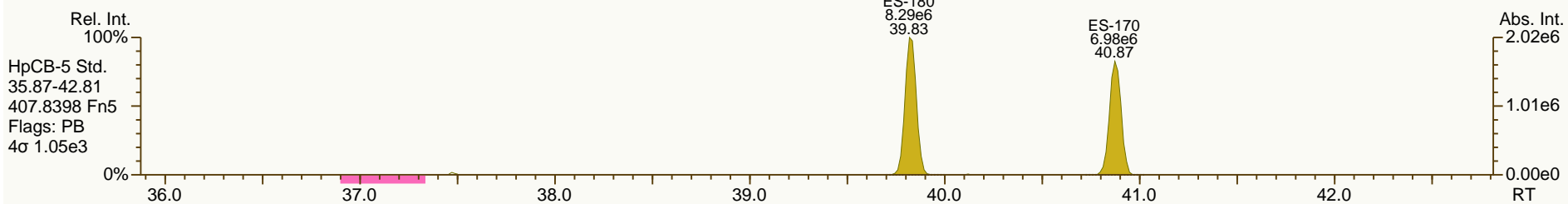
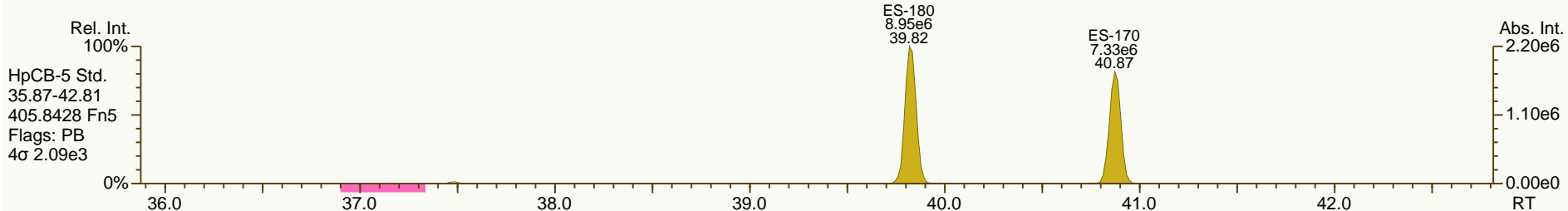
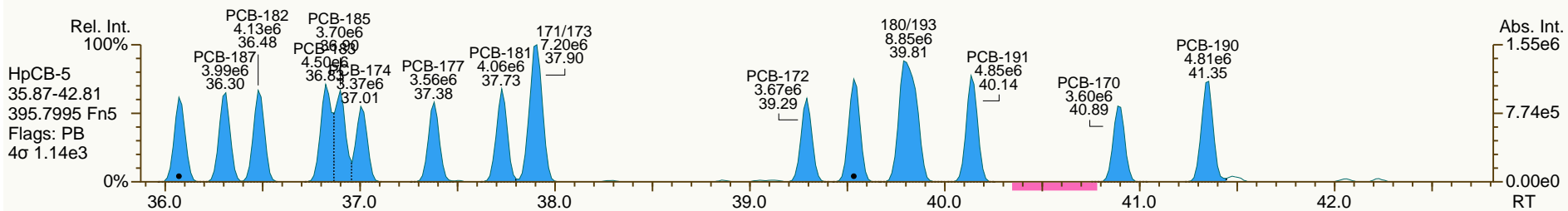
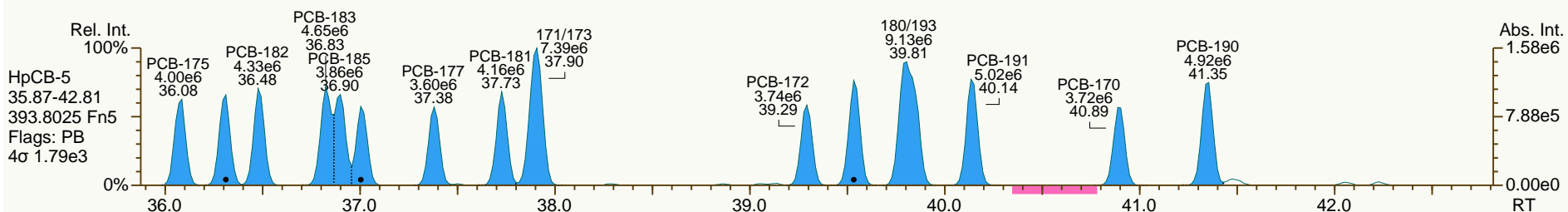
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

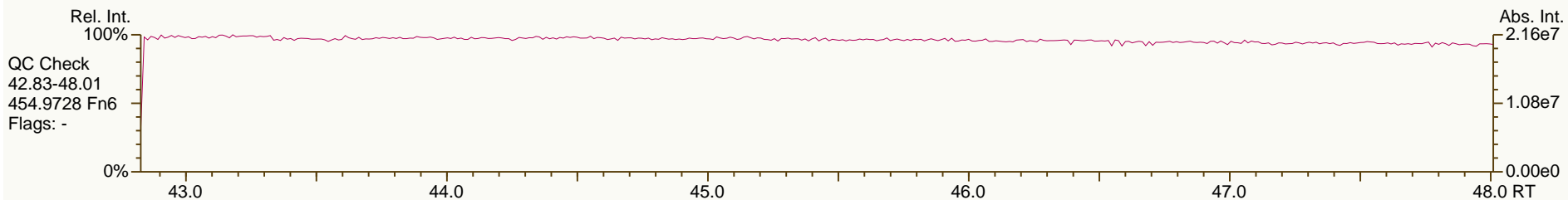
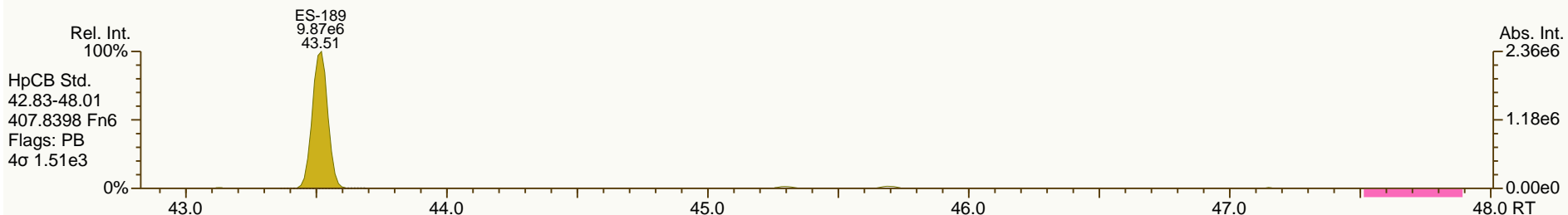
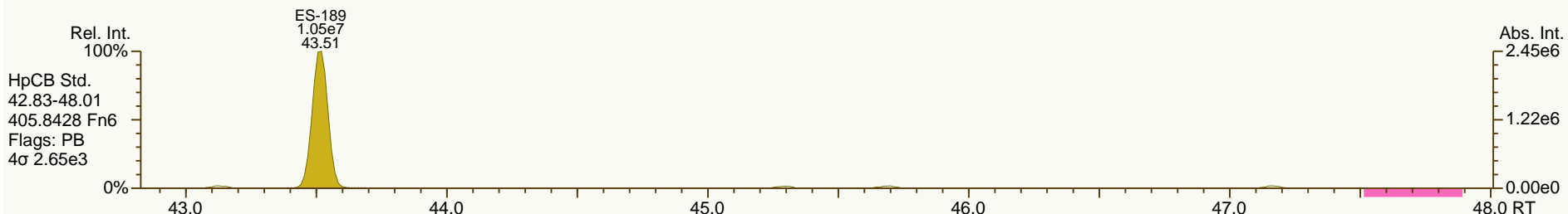
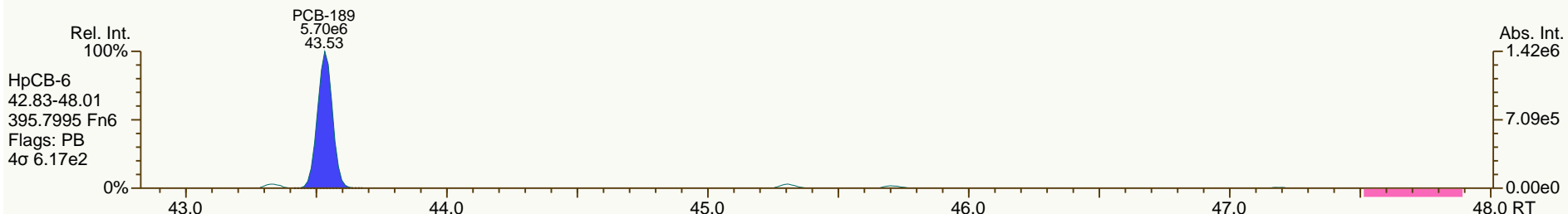
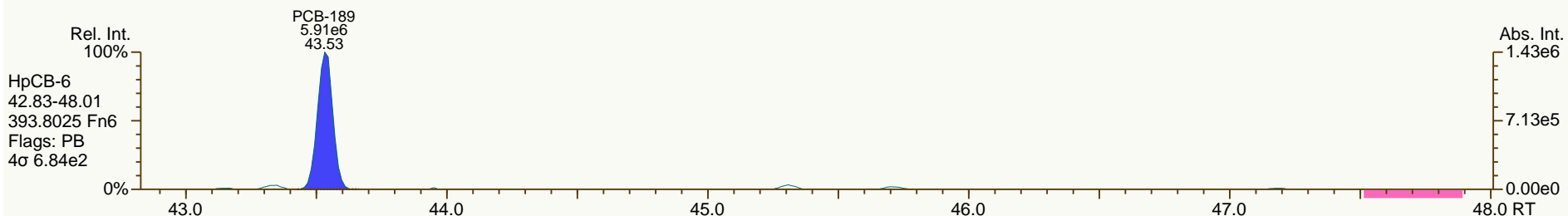
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

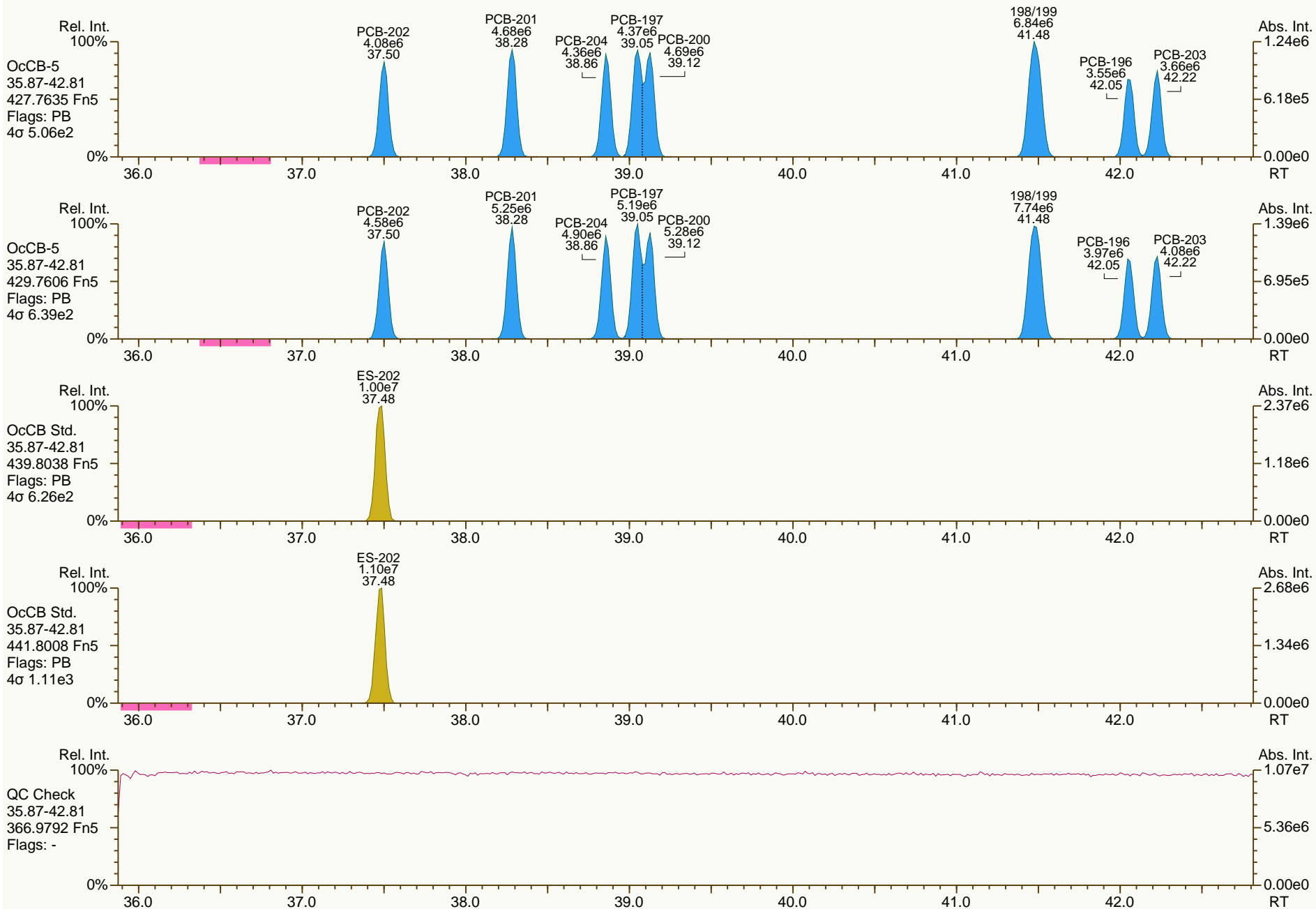
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

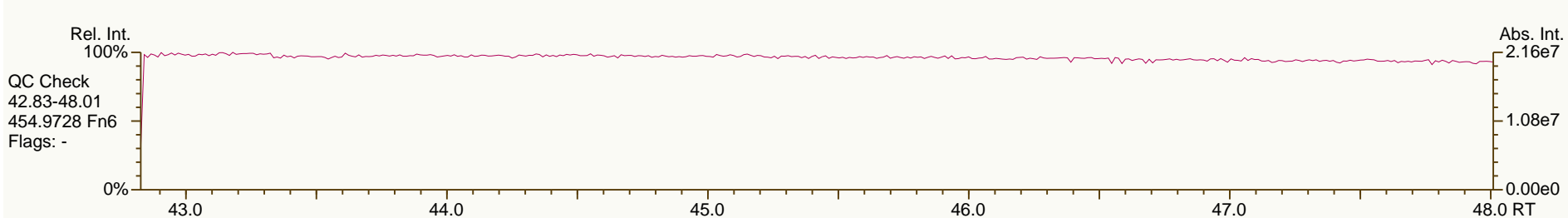
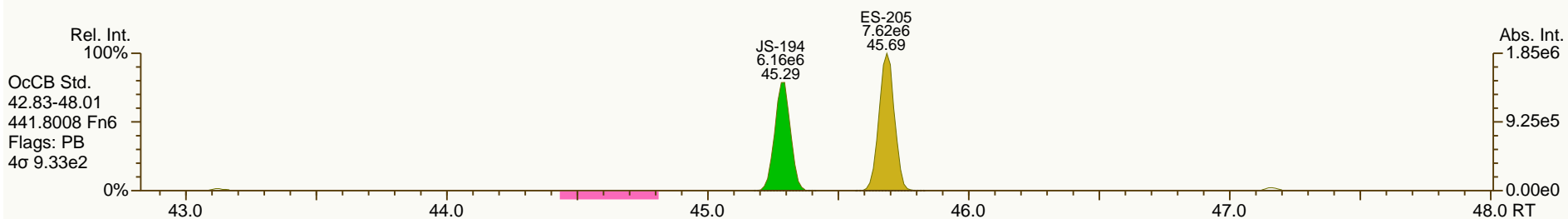
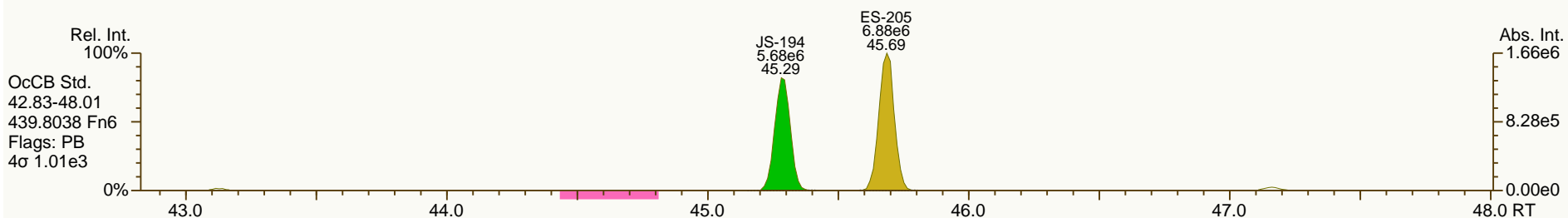
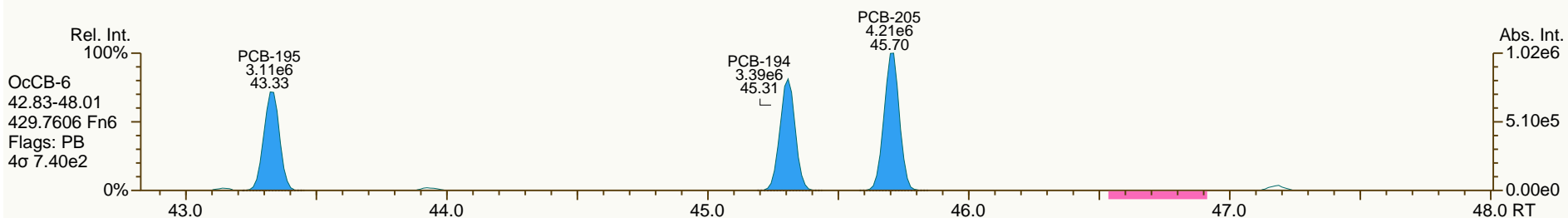
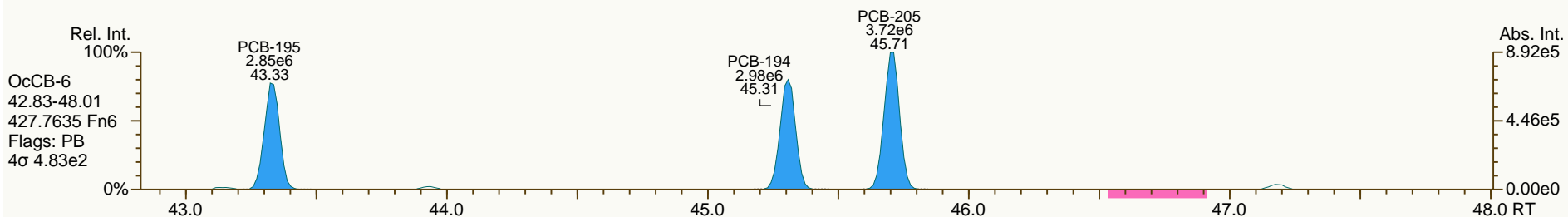
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

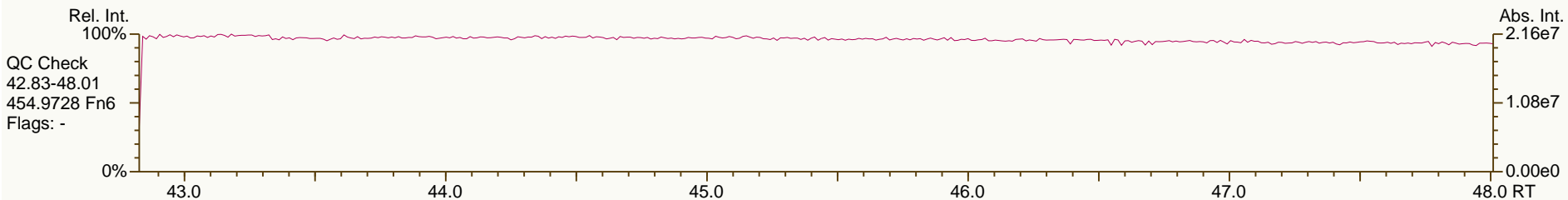
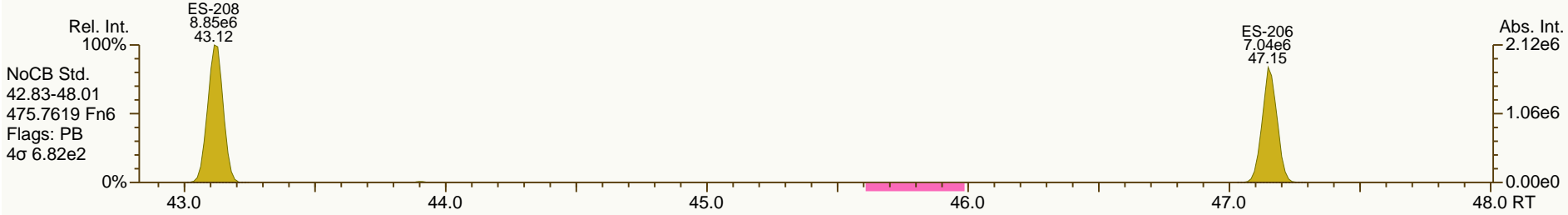
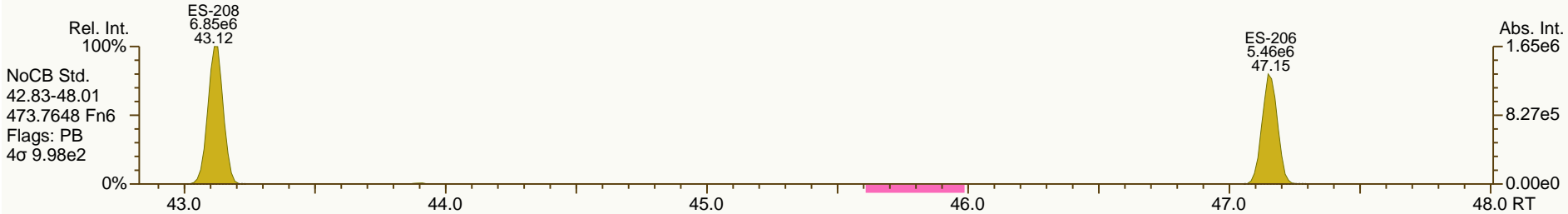
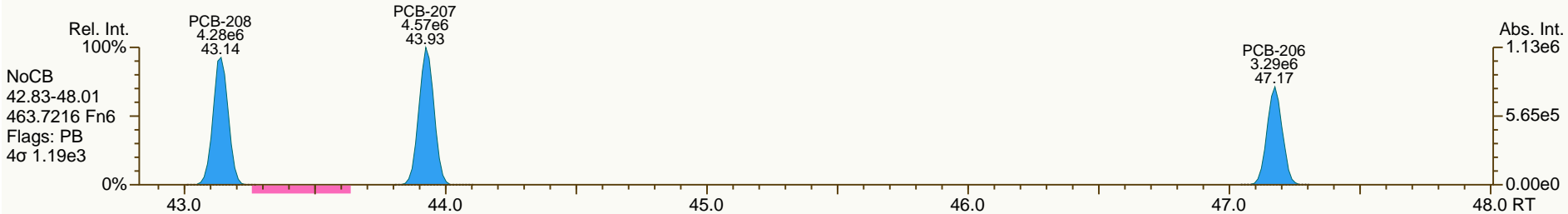
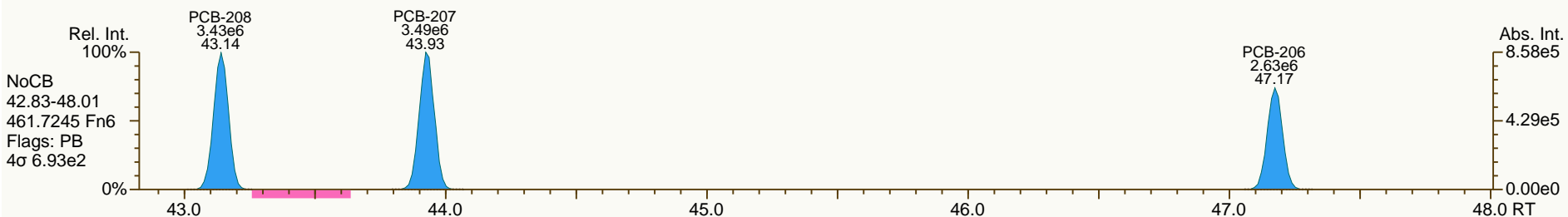
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

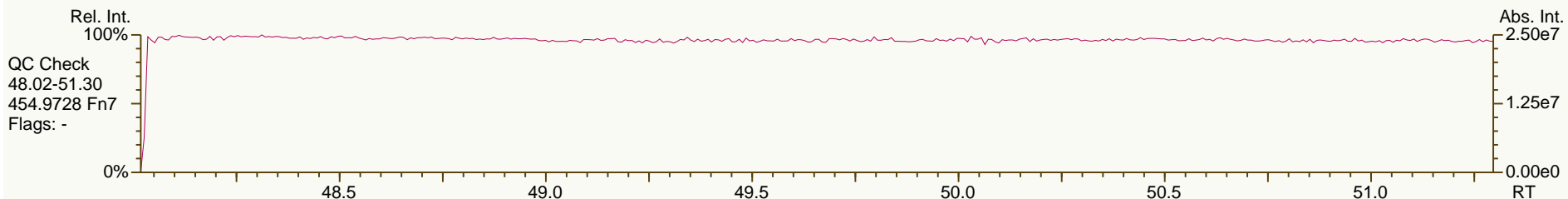
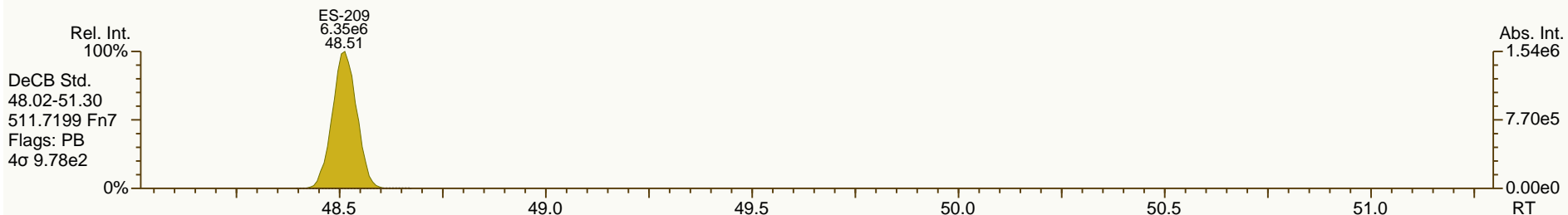
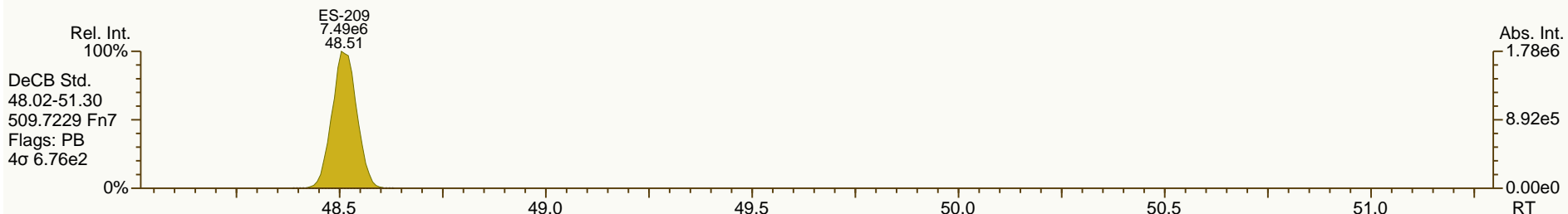
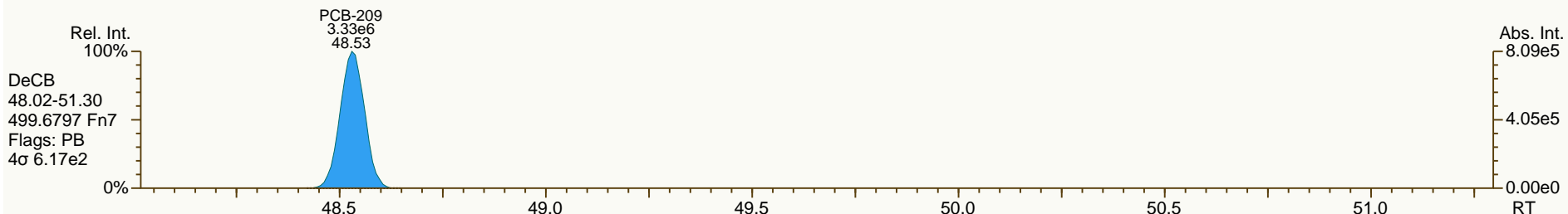
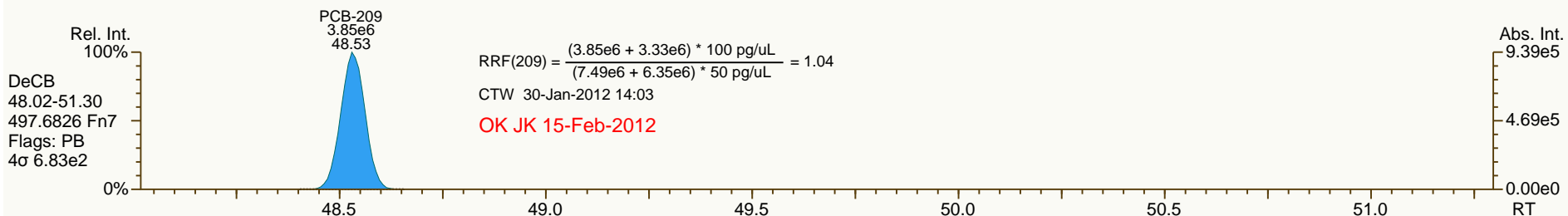
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 19:49							
Datafile:	120126S07							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.51	1.37E+08	0.80 Y	1.22	1.27	4.0%		
PCB-81 344'5'-TeCB	30.04	1.33E+08	0.79 Y	1.24	1.29	3.8%		
PCB-105 233'44'-PeCB	33.49	9.05E+07	0.61 Y	1.03	1.08	5.4%		
PCB-114 2344'5'-PeCB	32.95	9.86E+07	0.62 Y	1.10	1.14	4.1%		
PCB-118 23'44'5'-PeCB	32.51	9.58E+07	0.62 Y	1.03	1.11	7.1%		
PCB-123 2'344'5'-PeCB	32.22	9.11E+07	0.62 Y	0.93	0.99	6.9%		
PCB-126 33'44'5'-PeCB	36.11	1.05E+08	0.62 Y	1.11	1.12	0.3%		
PCB-156/157 233'44'5'/233'44'5'	38.66	1.80E+08	1.25 Y	1.05	1.11	5.7%		
PCB-167 23'44'55'-HxCB	37.70	9.36E+07	1.25 Y	1.08	1.15	6.8%		
PCB-169 33'44'55'-HxCB	41.40	8.91E+07	1.25 Y	1.04	1.08	3.4%		
PCB-189 233'44'55'-HpCB	43.53	1.05E+08	1.04 Y	1.11	1.18	6.3%		
PCB-209 DeCB	48.53	6.57E+07	1.20 Y	1.05	1.07	2.1%		
ES PCB-1	10.48	3.64E+07	3.14 Y	1.01	1.02	0.3%		
ES PCB-3	12.53	3.81E+07	3.17 Y	1.05	1.06	1.0%		
ES PCB-4	12.76	2.54E+07	1.57 Y	0.70	0.71	1.6%		
ES PCB-15	18.10	4.25E+07	1.59 Y	1.17	1.19	1.3%		
ES PCB-19	15.60	2.07E+07	1.02 Y	0.57	0.58	2.2%		
ES PCB-37	24.23	3.11E+07	1.08 Y	1.41	1.41	-0.2%		
ES PCB-54	18.35	2.89E+07	0.78 Y	1.32	1.31	-0.8%		
ES PCB-77	30.49	2.69E+07	0.79 Y	1.22	1.22	0.0%		
ES PCB-81	30.02	2.57E+07	0.81 Y	1.15	1.16	1.1%		
ES PCB-104	23.18	2.86E+07	1.59 Y	1.69	1.63	-3.5%		
ES PCB-105	33.47	2.09E+07	1.59 Y	1.21	1.19	-1.2%		
ES PCB-114	32.93	2.16E+07	1.61 Y	1.23	1.23	-0.2%		
ES PCB-118	32.48	2.16E+07	1.58 Y	1.25	1.23	-1.1%		
ES PCB-123	32.20	2.30E+07	1.59 Y	1.33	1.31	-1.1%		
ES PCB-126	36.09	2.35E+07	1.64 Y	1.36	1.34	-1.3%		
ES PCB-153	34.08	1.94E+07	1.30 Y	1.09	1.07	-1.0%		
ES PCB-155	28.08	2.52E+07	1.29 Y	1.40	1.40	-0.5%		
ES PCB-156/157	38.64	4.07E+07	1.25 Y	1.13	1.13	-0.6%		
ES PCB-167	37.68	2.03E+07	1.27 Y	1.13	1.12	-0.7%		
ES PCB-169	41.38	2.06E+07	1.26 Y	1.14	1.14	0.0%		
ES PCB-170	40.88	1.60E+07	1.07 Y	1.23	1.23	0.1%		
ES PCB-180	39.83	1.89E+07	1.06 Y	1.46	1.46	-0.6%		
ES PCB-188	32.94	2.43E+07	1.08 Y	1.34	1.34	0.3%		
ES PCB-189	43.52	2.22E+07	1.07 Y	1.77	1.71	-3.0%		
ES PCB-202	37.48	2.29E+07	0.89 Y	1.27	1.27	-0.4%		
ES PCB-205	45.69	1.61E+07	0.89 Y	1.25	1.24	-0.5%		
ES PCB-206	47.16	1.39E+07	0.77 Y	1.07	1.07	0.4%		
ES PCB-208	43.12	1.73E+07	0.78 Y	1.34	1.33	-0.4%		
ES PCB-209	48.51	1.53E+07	1.16 Y	1.18	1.18	-0.3%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49		
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.77	3.04E+07	1.09 Y	0.98	0.98	-0.4%	
SS PCB-111	30.55	2.02E+07	1.63 Y	0.90	0.88	-2.3%	
SS PCB-178	35.51	1.52E+07	1.07 Y	0.65	0.63	-3.0%	
CS PCB-28	20.77	3.04E+07	1.09 Y	1.39	1.38	-0.6%	
CS PCB-111	30.55	2.02E+07	1.63 Y	1.19	1.15	-3.4%	
CS PCB-178	35.51	1.52E+07	1.07 Y	0.87	0.84	-2.7%	
JS PCB-9	14.59	3.58E+07	1.60 Y	-	-	-	
JS PCB-52	22.35	2.21E+07	0.78 Y	-	-	-	
JS PCB-101	28.26	1.76E+07	1.58 Y	-	-	-	
JS PCB-138	35.12	1.81E+07	1.23 Y	-	-	-	
JS PCB-194	45.29	1.30E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.49	1.78E+08	3.14 Y	1.20	1.22	2.1%	
PCB-3 4-MoCB	12.55	1.76E+08	3.11 Y	1.13	1.16	2.4%	
PCB-4 22'-DiCB	12.77	9.70E+07	1.54 Y	0.94	0.95	1.1%	
PCB-15 44'-DiCB	18.11	1.77E+08	1.53 Y	1.01	1.04	3.7%	
PCB-19 22'6'-TrCB	15.62	8.60E+07	1.04 Y	1.01	1.04	2.6%	
PCB-37 344'-TrCB	24.25	1.55E+08	1.06 Y	1.20	1.24	3.8%	
PCB-54 22'66'-TeCB	18.37	1.12E+08	0.78 Y	0.93	0.97	3.6%	
PCB-104 22'466'-PeCB	23.20	1.10E+08	0.61 Y	0.92	0.97	5.4%	
PCB-153 22'44'55' -HxCB	34.12	1.87E+08	1.24 Y	1.15	1.20	4.7%	
PCB-155 22'44'66'-HxCB	28.11	1.08E+08	1.27 Y	1.06	1.07	1.4%	
PCB-170 22'33'44'5'-HpCB	40.89	6.69E+07	1.03 Y	1.00	1.05	4.8%	
PCB-180 22'344'55'-HpCB	39.81	1.62E+08	1.03 Y	1.01	1.07	5.7%	
PCB-188 22'34'566'-HpCB	32.96	1.06E+08	1.05 Y	1.07	1.09	2.3%	
PCB-202 22'33'55'66'-OcCB	37.50	7.88E+07	0.89 Y	0.83	0.86	4.2%	
PCB-205 233'44'55'6'-OcCB	45.71	7.28E+07	0.92 Y	1.09	1.13	3.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.04E+07	0.78 Y	0.98	1.02	4.1%	
PCB-206 22'33'44'55'6'-NoCB	47.18	5.47E+07	0.78 Y	0.93	0.98	5.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.49	1.78E+08	3.14 Y	1.20	1.22	2.1%	
PCB-2 3-MoCB	12.38	1.79E+08	3.13 Y	1.13	1.17	3.9%	
PCB-3 4-MoCB	12.55	1.76E+08	3.11 Y	1.13	1.16	2.4%	
PCB-4 22'-DiCB	12.77	9.70E+07	1.54 Y	0.94	0.95	1.1%	
PCB-10 26-DiCB	12.94	1.46E+08	1.55 Y	1.43	1.44	0.6%	
PCB-9 25-DiCB	14.61	1.49E+08	1.56 Y	0.87	0.88	1.2%	
PCB-7 24-DiCB	14.76	1.72E+08	1.54 Y	1.00	1.01	0.7%	
PCB-6 23'-DiCB	14.97	1.60E+08	1.54 Y	0.94	0.94	0.3%	
PCB-5 23-DiCB	15.24	1.60E+08	1.56 Y	0.92	0.94	2.5%	
PCB-8 24'-DiCB	15.36	1.63E+08	1.55 Y	0.95	0.96	1.2%	
PCB-14 35-DiCB	16.83	1.90E+08	1.54 Y	1.09	1.12	2.4%	
PCB-11 33'-DiCB	17.57	1.67E+08	1.54 Y	0.98	0.99	0.9%	
PCB-13/12 34'-/34-DiCB	17.84	3.39E+08	1.54 Y	0.97	1.00	2.8%	
PCB-15 44'-DiCB	18.11	1.77E+08	1.53 Y	1.01	1.04	3.7%	
PCB-19 22'6-TrCB	15.62	8.60E+07	1.04 Y	1.01	1.04	2.6%	
PCB-30/18 246-/22'5-TrCB	17.29	2.24E+08	1.06 Y	1.29	1.35	4.5%	
PCB-17 22'4-TrCB	17.67	9.70E+07	1.02 Y	1.14	1.17	2.9%	
PCB-27 23'6-TrCB	17.86	1.29E+08	1.03 Y	1.48	1.56	4.9%	
PCB-24 236-TrCB	17.98	1.22E+08	1.02 Y	1.43	1.47	2.8%	
PCB-16 22'3-TrCB	18.06	7.70E+07	1.03 Y	0.89	0.93	3.9%	
PCB-32 24'6-TrCB	18.53	1.34E+08	1.02 Y	1.56	1.62	3.7%	
PCB-34 2'35-TrCB	19.65	1.48E+08	1.07 Y	1.18	1.19	1.2%	
PCB-23 235-TrCB	19.79	1.50E+08	1.06 Y	1.19	1.21	1.7%	
PCB-26/29 23'5-/245-TrCB	20.07	3.04E+08	1.06 Y	1.20	1.22	2.0%	
PCB-25 23'4-TrCB	20.26	1.52E+08	1.06 Y	1.19	1.22	2.7%	
PCB-31 24'5-TrCB	20.53	1.58E+08	1.05 Y	1.23	1.27	3.9%	
PCB-28/20 244'-/233'-TrCB	20.79	3.02E+08	1.06 Y	1.18	1.21	2.8%	
PCB-21/33 234-/2'34-TrCB	20.96	3.12E+08	1.06 Y	1.21	1.25	3.3%	
PCB-22 234'-TrCB	21.33	1.43E+08	1.05 Y	1.11	1.15	3.2%	
PCB-36 33'5-TrCB	22.70	1.58E+08	1.06 Y	1.21	1.27	4.4%	
PCB-39 34'5-TrCB	23.01	1.64E+08	1.06 Y	1.32	1.32	0.0%	
PCB-38 345-TrCB	23.51	1.48E+08	1.06 Y	1.15	1.19	2.7%	
PCB-35 33'4-TrCB	23.90	1.46E+08	1.07 Y	1.13	1.17	3.2%	
PCB-37 344'-TrCB	24.25	1.55E+08	1.06 Y	1.20	1.24	3.8%	
PCB-54 22'66'-TeCB	18.37	1.12E+08	0.78 Y	0.93	0.97	3.6%	
PCB-50/53 22'46-/22'56'TeCB	20.30	1.77E+08	0.78 Y	0.83	0.86	3.3%	
PCB-45 22'36'-TeCB	20.85	7.36E+07	0.80 Y	0.71	0.72	1.6%	
PCB-51 22'46'-TeCB	20.93	9.38E+07	0.80 Y	0.88	0.91	4.0%	
PCB-46 22'36'-TeCB	21.12	7.35E+07	0.78 Y	0.69	0.72	3.0%	
PCB-52 22'55'-TeCB	22.38	8.45E+07	0.80 Y	0.80	0.82	2.6%	
PCB-73 23'5'6TeCB	22.50	1.08E+08	0.79 Y	1.03	1.05	1.6%	
PCB-43 22'35'-TeCB	22.59	7.51E+07	0.80 Y	0.71	0.73	3.6%	
PCB-69/49 23'46-/22'45'TeCB	22.79	2.04E+08	0.79 Y	0.96	0.99	3.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.05	8.63E+07	0.80 Y	0.84	0.84	0.6%	
PCB-44/47/65 22'35'-/22'44'-	23.26	2.71E+08	0.79 Y	0.86	0.88	2.3%	
PCB-59/62/75 233'6'-/2346-/24	23.53	3.43E+08	0.80 Y	1.09	1.11	1.9%	
PCB-42 22'34'-TeCB	23.69	8.10E+07	0.78 Y	0.77	0.79	3.0%	
PCB-41 22'34'-TeCB	24.01	7.57E+07	0.76 Y	0.73	0.74	1.6%	
PCB-71/40 23'4'6/22'33'-TeCB	24.11	1.72E+08	0.77 Y	0.81	0.84	3.1%	
PCB-64 234'6'-TeCB	24.31	1.22E+08	0.77 Y	1.17	1.19	1.6%	
PCB-72 23'55'-TeCB	25.04	1.32E+08	0.77 Y	1.25	1.29	2.8%	
PCB-68 23'45'-TeCB	25.29	1.43E+08	0.80 Y	1.36	1.39	1.9%	
PCB-57 233'5'-TeCB	25.65	1.27E+08	0.78 Y	1.22	1.24	1.3%	
PCB-58 233'5'-TeCB	25.85	1.31E+08	0.77 Y	1.26	1.28	1.9%	
PCB-67 23'45'-TeCB	26.00	1.34E+08	0.77 Y	1.27	1.30	2.3%	
PCB-63 234'5'-TeCB	26.22	1.41E+08	0.79 Y	1.34	1.37	2.6%	
PCB-61/70/74/76 2345-/23'4'5	26.50	5.25E+08	0.80 Y	1.24	1.28	2.7%	
PCB-66 23'44'-TeCB	26.78	1.24E+08	0.78 Y	1.19	1.20	1.4%	
PCB-55 233'4'-TeCB	26.92	1.27E+08	0.78 Y	1.22	1.24	1.8%	
PCB-56 233'4'-TeCB	27.35	1.22E+08	0.78 Y	1.18	1.19	1.1%	
PCB-60 2344'-TeCB	27.53	1.29E+08	0.77 Y	1.24	1.26	1.5%	
PCB-80 33'55'-TeCB	27.91	1.44E+08	0.79 Y	1.37	1.40	2.0%	
PCB-79 33'45'-TeCB	29.20	1.49E+08	0.79 Y	1.37	1.45	5.7%	
PCB-78 33'45'-TeCB	29.67	1.25E+08	0.79 Y	1.19	1.22	2.3%	
PCB-104 22'466'-PeCB	23.20	1.10E+08	0.61 Y	0.92	0.97	5.4%	
PCB-96 22'366'-PeCB	23.50	9.68E+07	0.62 Y	0.81	0.85	4.6%	
PCB-103 22'45'6'-PeCB	25.20	7.50E+07	0.62 Y	0.78	0.81	5.0%	
PCB-94 22'356'-PeCB	25.37	6.67E+07	0.62 Y	0.71	0.72	1.7%	
PCB-95 22'35'6'-PeCB	25.75	6.86E+07	0.61 Y	0.74	0.74	0.3%	
PCB-100/93 22'44'6-/22'356-P	25.96	1.40E+08	0.62 Y	0.75	0.76	2.0%	
PCB-102 22'456'-PeCB	26.07	6.72E+07	0.62 Y	0.75	0.73	-2.5%	
PCB-98 22'3'46'-PeCB	26.13	7.34E+07	0.64 Y	0.71	0.80	12.1%	
PCB-88 22'346'-PeCB	26.42	6.10E+07	0.61 Y	0.66	0.66	-0.3%	
PCB-91 22'34'6'-PeCB	26.49	8.32E+07	0.63 Y	0.84	0.90	7.7%	
PCB-84 22'33'6'-PeCB	26.67	6.18E+07	0.62 Y	0.65	0.67	3.3%	
PCB-89 22'346'-PeCB	27.08	6.43E+07	0.62 Y	0.69	0.70	1.6%	
PCB-121 23'45'6'-PeCB	27.47	9.14E+07	0.61 Y	0.98	0.99	1.0%	
PCB-92 22'355'-PeCB	27.78	6.73E+07	0.62 Y	0.72	0.73	2.1%	
PCB-113/90/101 233'5'6-/22'3	28.25	2.34E+08	0.62 Y	0.81	0.85	4.7%	
PCB-83 22'33'5'-PeCB	28.67	6.11E+07	0.62 Y	0.62	0.66	6.5%	
PCB-99 22'44'5'-PeCB	28.78	7.09E+07	0.63 Y	0.76	0.77	0.7%	
PCB-112 233'56'-PeCB	28.87	9.37E+07	0.62 Y	0.96	1.02	5.5%	
PCB-108/119/86/97/125/87 233	29.21	4.80E+08	0.62 Y	0.83	0.87	5.2%	
PCB-117 234'56'-PeCB	29.74	8.70E+07	0.61 Y	0.94	0.94	0.5%	
PCB-116/85 23456-/22'344'-Pe	29.82	1.57E+08	0.62 Y	0.81	0.86	5.8%	
PCB-110 233'4'6'-PeCB	29.94	8.71E+07	0.62 Y	0.92	0.95	2.8%	

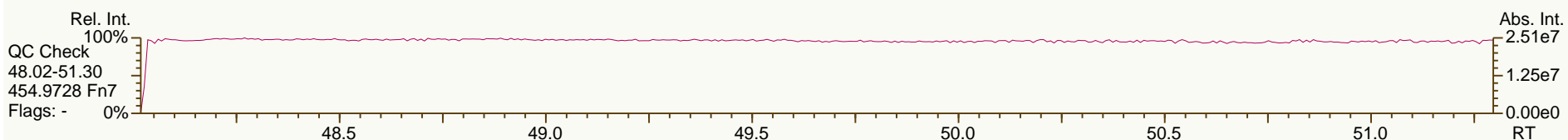
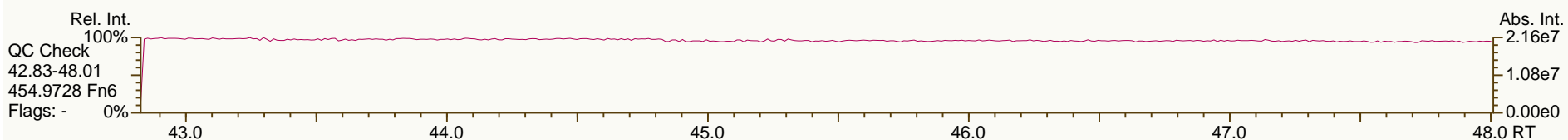
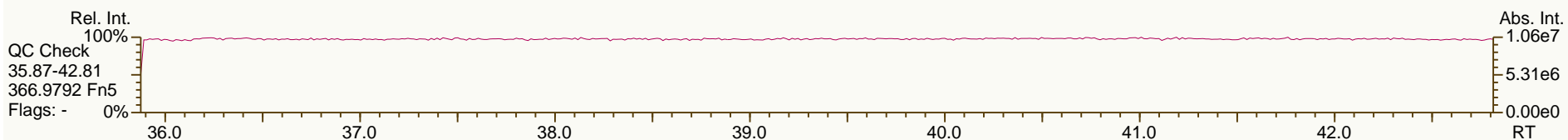
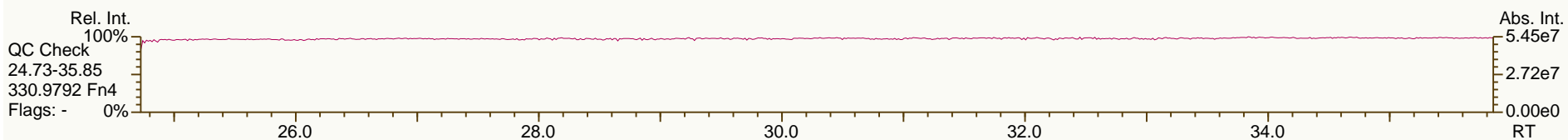
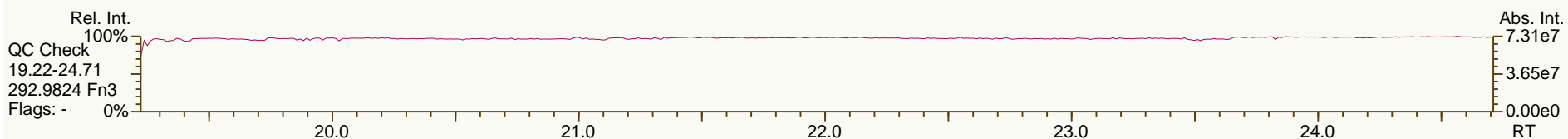
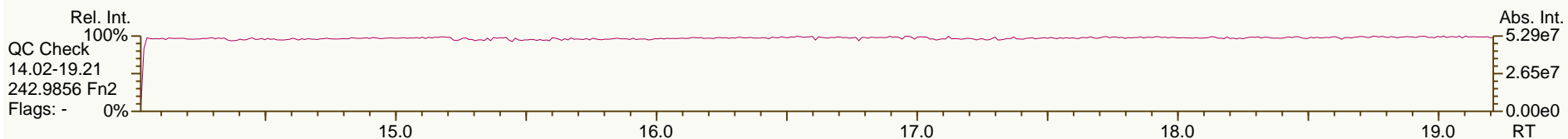
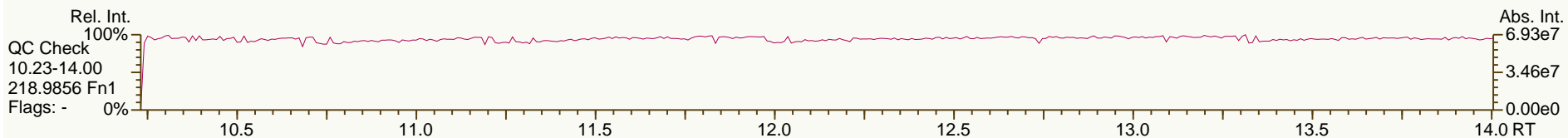
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.03	9.15E+07	0.63 Y	0.95	0.99	4.8%	
PCB-82 22'33'4-PeCB	30.21	5.96E+07	0.62 Y	0.62	0.65	5.1%	
PCB-111 233'55'-PeCB	30.58	9.52E+07	0.62 Y	0.98	1.03	5.0%	
PCB-120 23'455'-PeCB	30.97	9.50E+07	0.62 Y	0.99	1.03	3.9%	
PCB-107/124 233'4'5-/2'3455'	31.92	1.78E+08	0.62 Y	0.92	0.97	5.2%	
PCB-109 233'46-PeCB	32.12	9.70E+07	0.61 Y	1.00	1.05	5.9%	
PCB-106 233'45-PeCB	32.32	9.36E+07	0.62 Y	0.96	1.02	5.7%	
PCB-122 2'33'45-PeCB	32.78	8.27E+07	0.63 Y	0.93	0.96	3.3%	
PCB-127 33'455'-PeCB	34.75	9.23E+07	0.62 Y	1.04	1.10	6.0%	
PCB-155 22'44'66'-HxCB	28.11	1.08E+08	1.27 Y	1.06	1.07	1.4%	
PCB-152 22'3566'-HxCB	28.24	1.01E+08	1.26 Y	0.98	1.01	2.4%	
PCB-150 22'34'66'-HxCB	28.39	1.02E+08	1.28 Y	0.99	1.01	2.5%	
PCB-136 22'33'66'-HxCB	28.68	9.46E+07	1.27 Y	0.92	0.94	1.9%	
PCB-145 22'3466'HxCB	28.95	9.63E+07	1.27 Y	0.94	0.95	1.7%	
PCB-148 22'34'56'-HxCB	30.25	7.55E+07	1.25 Y	0.95	0.97	2.7%	
PCB-151/135 22'355'6-/22'33'	30.76	1.48E+08	1.27 Y	0.92	0.95	4.0%	
PCB-154 22'44'5'6-HxCB	30.98	8.25E+07	1.27 Y	1.01	1.06	4.8%	
PCB-144 22'345'6-HxCB	31.23	7.56E+07	1.27 Y	0.93	0.97	4.6%	
PCB-147/149 22'34'56-/22'34'	31.53	1.52E+08	1.24 Y	0.94	0.98	4.3%	
PCB-134 22'33'56-HxCB	31.69	6.25E+07	1.24 Y	0.78	0.81	2.7%	
PCB-143 22'3456'-HxCB	31.77	7.39E+07	1.27 Y	0.90	0.95	6.3%	
PCB-139/140 22'344'6-/22'344'	32.04	1.53E+08	1.28 Y	0.95	0.99	4.0%	
PCB-131 22'33'46-HxCB	32.20	6.82E+07	1.26 Y	0.84	0.88	5.0%	
PCB-142 22'3456-HxCB	32.34	7.01E+07	1.26 Y	0.87	0.90	3.8%	
PCB-132 22'33'46'-HxCB	32.58	6.98E+07	1.27 Y	0.88	0.90	2.7%	
PCB-133 22'33'55'-HxCB	33.03	7.22E+07	1.27 Y	0.89	0.93	4.6%	
PCB-165 233'55'6-HxCB	33.37	8.69E+07	1.27 Y	1.06	1.12	5.2%	
PCB-146 22'34'55'-HxCB	33.58	7.82E+07	1.26 Y	0.94	1.01	6.8%	
PCB-161 233'45'6-HxCB	33.69	9.62E+07	1.28 Y	1.20	1.24	3.4%	
PCB-153/168 22'44'55'-/23'44'	34.12	1.87E+08	1.24 Y	1.15	1.20	4.7%	
PCB-141 22'3455'-HxCB	34.25	7.19E+07	1.26 Y	0.91	0.93	1.3%	
PCB-130 22'33'45'-HxCB	34.59	6.70E+07	1.23 Y	0.82	0.86	5.0%	
PCB-137 22'344'5-HxCB	34.79	8.38E+07	1.23 Y	1.00	1.08	7.5%	
PCB-164 233'4'5'6-HxCB	34.88	9.23E+07	1.26 Y	1.14	1.19	4.6%	
PCB-163/138/129 233'4'56-/22'	35.16	2.39E+08	1.26 Y	0.98	1.03	4.3%	
PCB-160 233'456-HxCB	35.29	9.52E+07	1.27 Y	1.14	1.23	7.3%	
PCB-158 233'44'6-HxCB	35.48	1.02E+08	1.24 Y	1.24	1.32	6.0%	
PCB-128/166 22'33'44'-/2344'5	36.20	1.50E+08	1.24 Y	0.86	0.92	6.8%	
PCB-159 233'455'-HxCB	37.05	8.80E+07	1.24 Y	1.03	1.09	5.7%	
PCB-162 233'4'55'-HxCB	37.30	9.10E+07	1.24 Y	1.04	1.12	8.1%	
PCB-188 22'34'566'-HpCB	32.96	1.06E+08	1.05 Y	1.07	1.09	2.3%	
PCB-179 22'33'566'-HpCB	33.23	9.90E+07	1.06 Y	0.98	1.02	4.2%	
PCB-184 22'344'66'-HpCB	33.70	9.58E+07	1.04 Y	0.97	0.99	1.4%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:49		
Lab ID:	CS4_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.98	1.07E+08	1.04 Y	1.06	1.10	3.5%	
PCB-186 22'34566'-HpCB	34.36	1.02E+08	1.03 Y	1.02	1.05	3.4%	
PCB-178 22'33'55'6'-HpCB	35.54	7.71E+07	1.04 Y	0.77	0.79	2.9%	
PCB-175 22'33'45'6'-HpCB	36.08	6.95E+07	1.05 Y	0.89	0.92	2.9%	
PCB-187 22'34'55'6'-HpCB	36.31	7.33E+07	1.02 Y	0.94	0.97	3.6%	
PCB-182 22'344'56'-HpCB	36.48	7.45E+07	1.03 Y	0.95	0.98	3.7%	
PCB-183 22'344'5'6'-HpCB	36.82	6.73E+07	1.01 Y	0.96	0.89	-7.0%	
PCB-185 22'3455'6'-HpCB	36.89	8.15E+07	1.05 Y	0.93	1.08	16.0%	
PCB-174 22'33'456'-HpCB	37.01	6.27E+07	1.03 Y	0.80	0.83	3.5%	
PCB-177 22'33'4'56'-HpCB	37.38	6.44E+07	1.04 Y	0.82	0.85	4.3%	
PCB-181 22'344'56'-HpCB	37.73	7.30E+07	1.03 Y	0.91	0.97	5.7%	
PCB-171/173 22'33'44'6'-/22'3	37.90	1.29E+08	1.02 Y	0.81	0.86	5.2%	
PCB-172 22'33'455'-HpCB	39.29	6.71E+07	1.02 Y	0.83	0.89	7.3%	
PCB-192 233'455'6'-HpCB	39.54	8.70E+07	1.03 Y	1.09	1.15	5.3%	
PCB-180/193 22'344'55'-/233'	39.81	1.62E+08	1.03 Y	1.01	1.07	5.7%	
PCB-191 233'44'5'6'-HpCB	40.14	8.94E+07	1.03 Y	1.13	1.18	4.3%	
PCB-170 22'33'44'5'-HpCB	40.89	6.69E+07	1.03 Y	1.00	1.05	4.8%	
PCB-190 233'44'56'-HpCB	41.35	8.93E+07	1.03 Y	1.35	1.40	3.1%	
PCB-202 22'33'55'66'-OxCB	37.50	7.88E+07	0.89 Y	0.83	0.86	4.2%	
PCB-201 22'33'45'66'-OxCB	38.28	8.89E+07	0.88 Y	0.93	0.97	5.0%	
PCB-204 22'344'566'-OxCB	38.86	8.54E+07	0.89 Y	0.89	0.93	4.8%	
PCB-197 22'33'44'66'-OxCB	39.05	8.66E+07	0.88 Y	0.91	0.95	3.7%	
PCB-200 22'33'4566'-OxCB	39.12	9.12E+07	0.89 Y	0.93	1.00	7.5%	
PCB-198/199 22'33'455'6'-/22'	41.48	1.30E+08	0.87 Y	0.68	0.71	4.1%	
PCB-196 22'33'44'56'-OxCB	42.06	6.68E+07	0.87 Y	0.72	0.73	1.8%	
PCB-203 22'344'55'6'-OxCB	42.22	6.98E+07	0.87 Y	0.74	0.76	3.6%	
PCB-195 22'33'44'56'-OxCB	43.33	5.38E+07	0.89 Y	0.81	0.83	2.9%	
PCB-194 22'33'44'55'-OxCB	45.31	5.87E+07	0.90 Y	0.86	0.91	6.1%	
PCB-205 233'44'55'6'-OxCB	45.71	7.28E+07	0.92 Y	1.09	1.13	3.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.04E+07	0.78 Y	0.98	1.02	4.1%	
PCB-207 22'33'44'566'-NoCB	43.93	7.31E+07	0.80 Y	1.02	1.06	4.0%	
PCB-206 22'33'44'55'6'-NoCB	47.18	5.47E+07	0.78 Y	0.93	0.98	5.3%	

AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

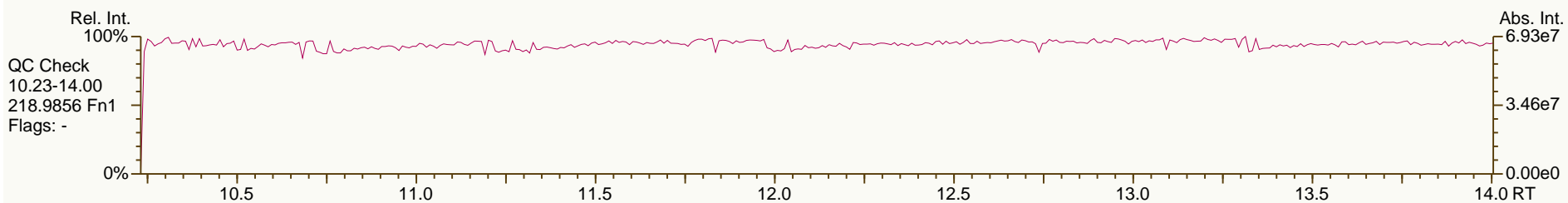
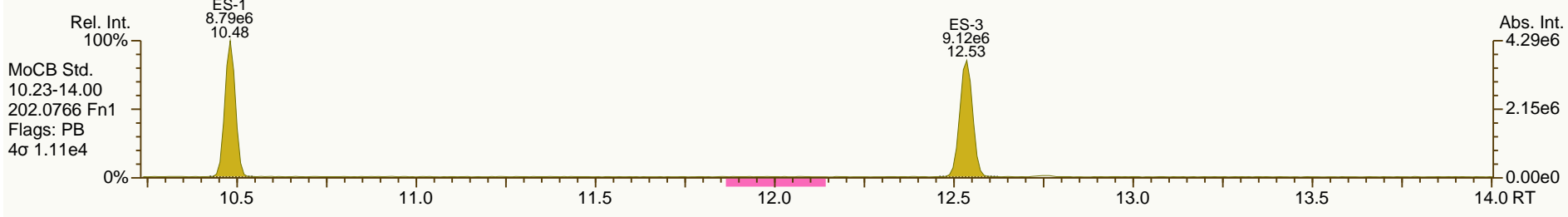
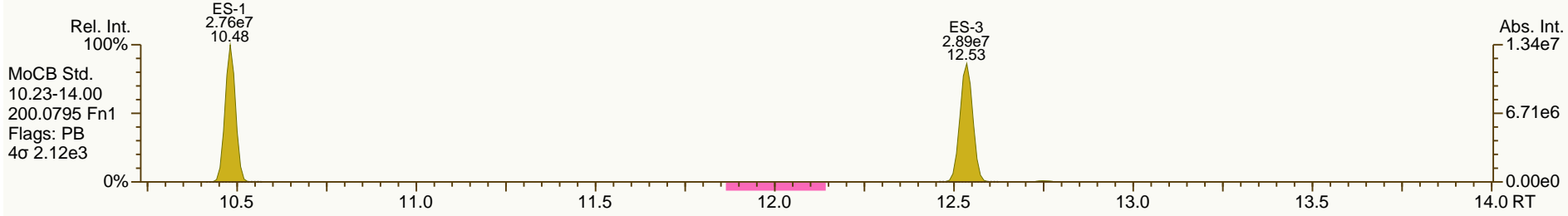
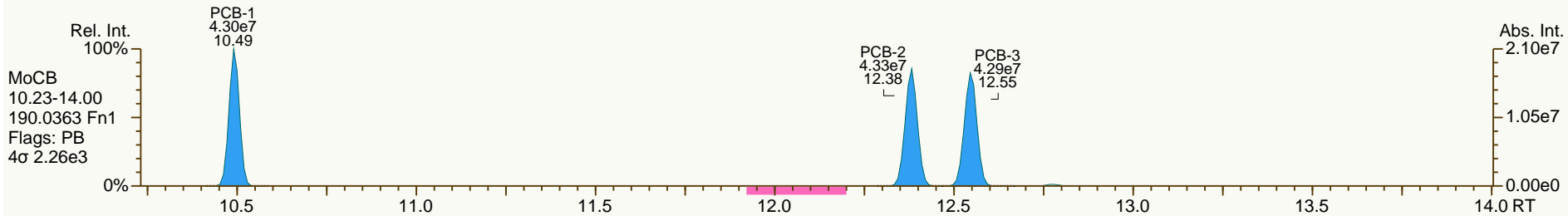
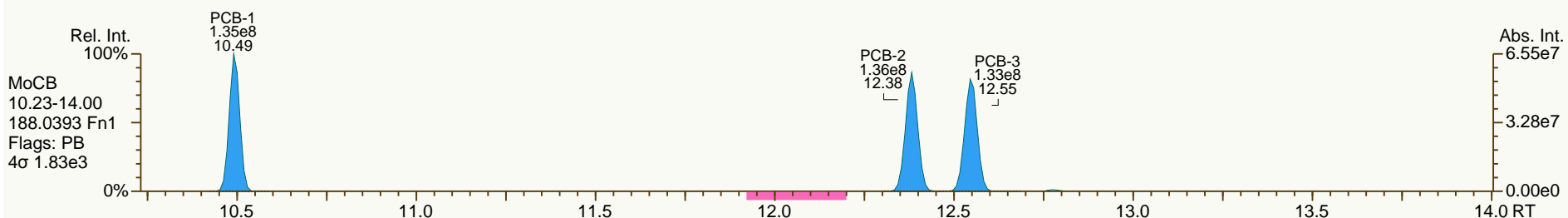
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

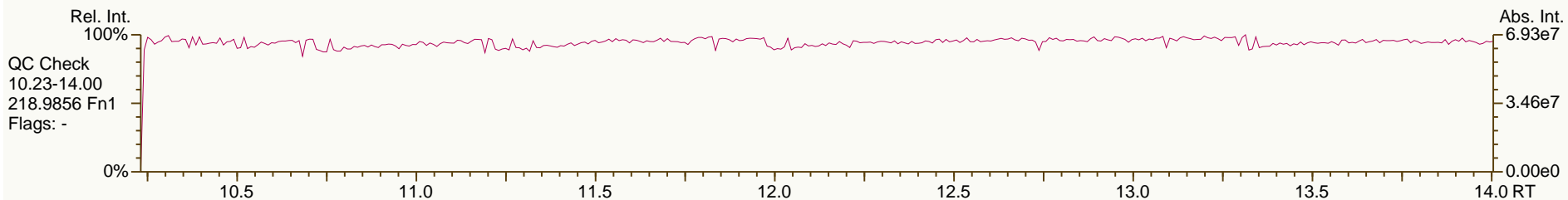
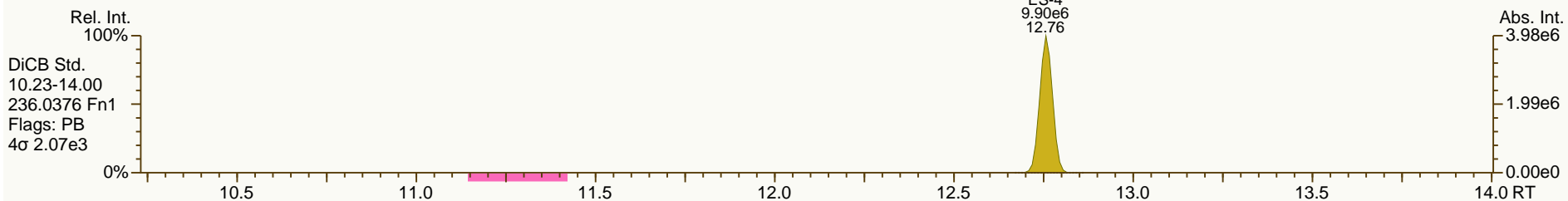
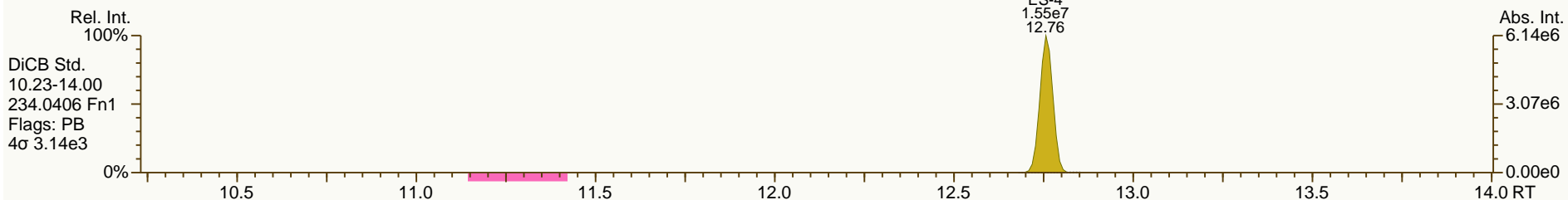
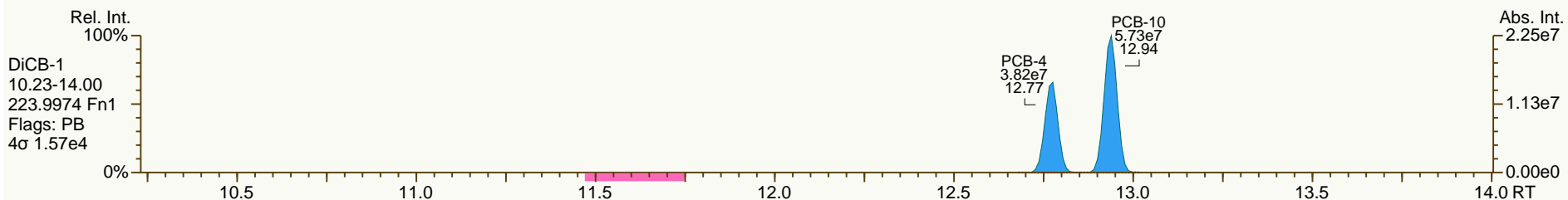
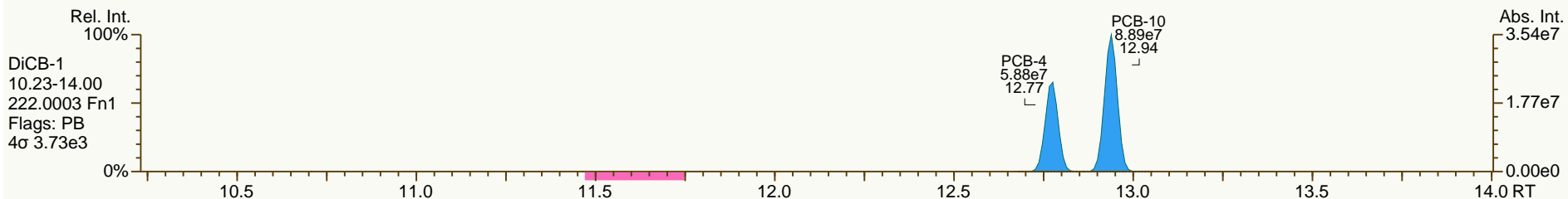
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

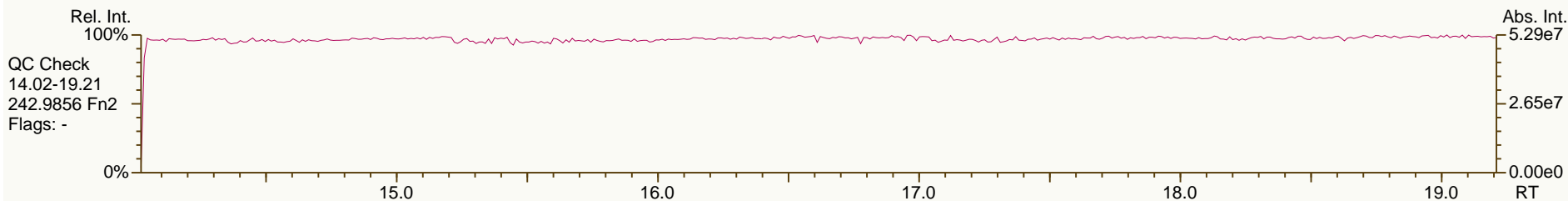
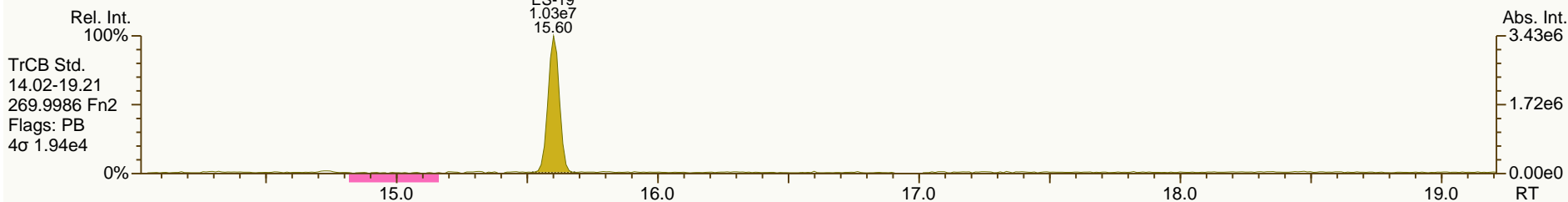
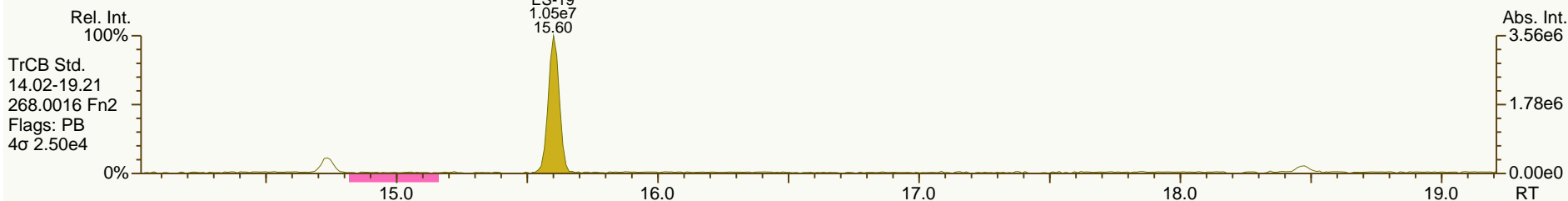
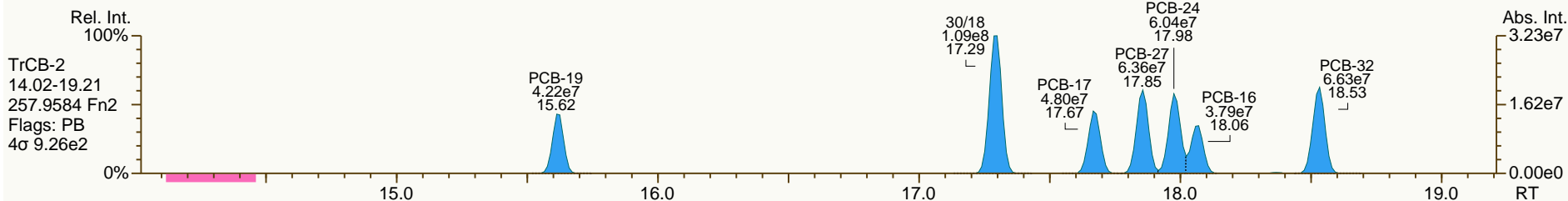
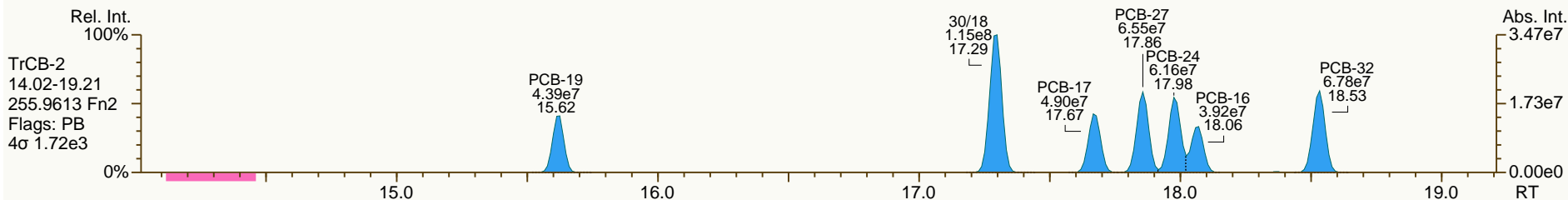
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

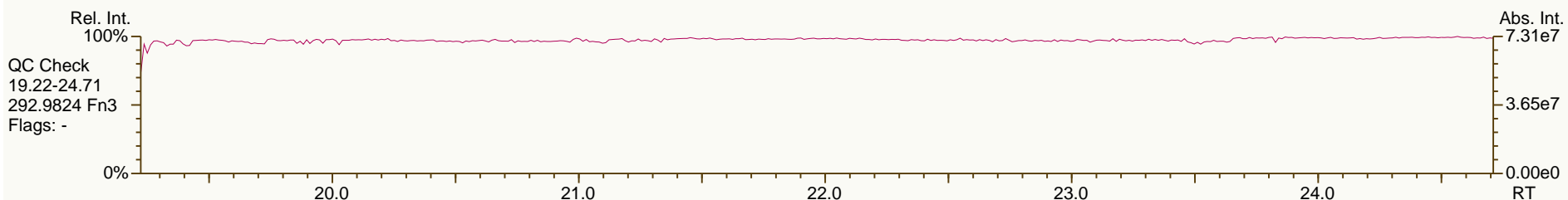
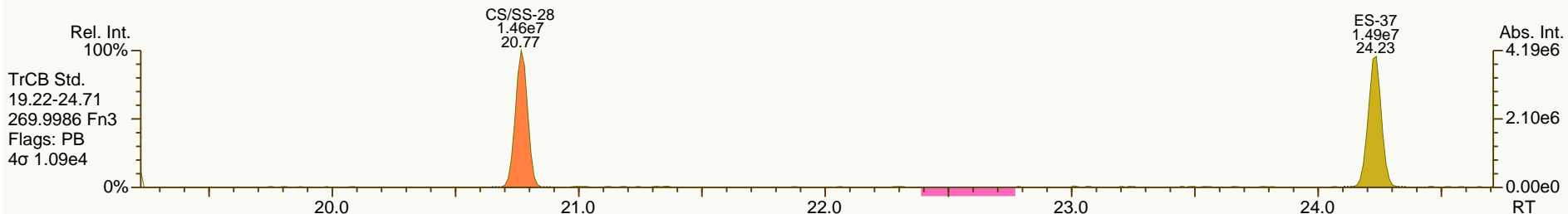
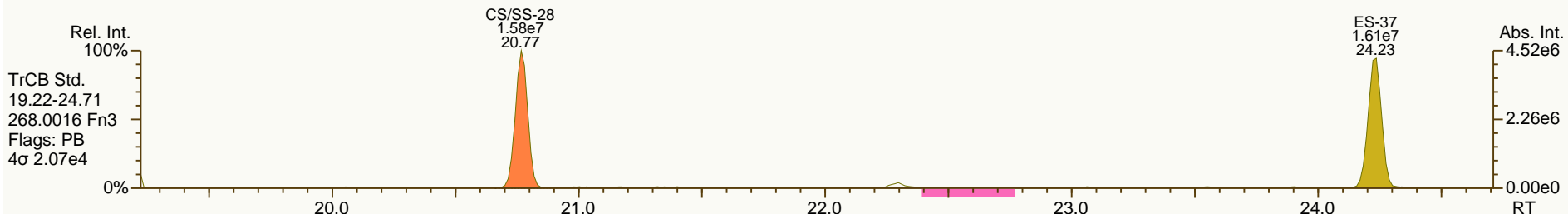
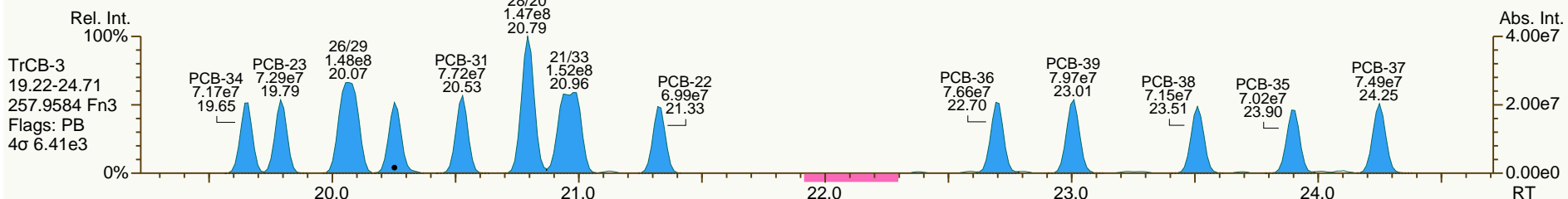
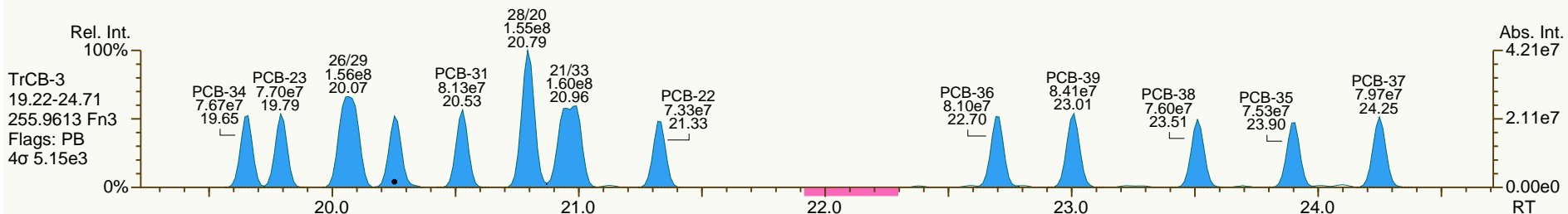
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

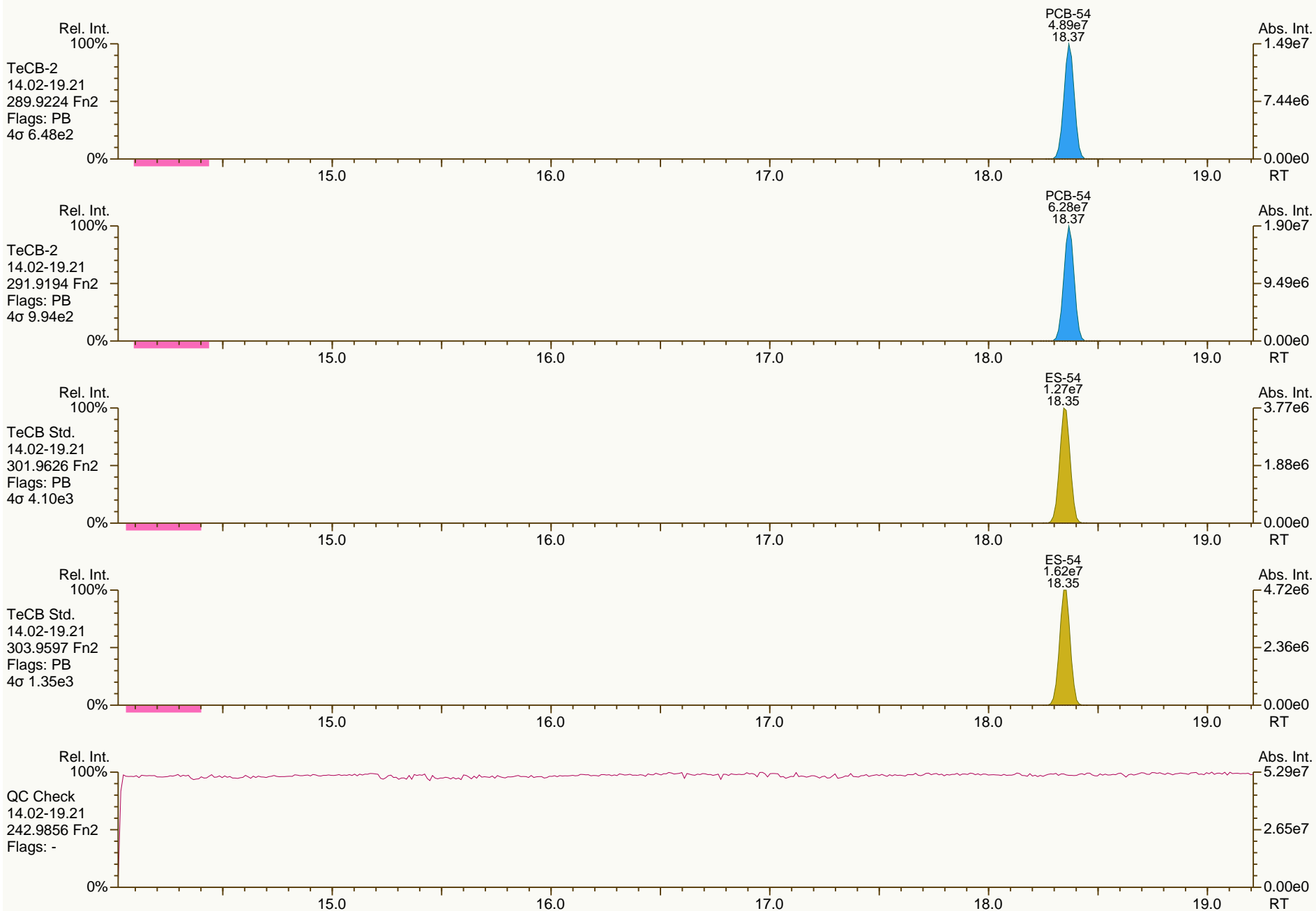
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

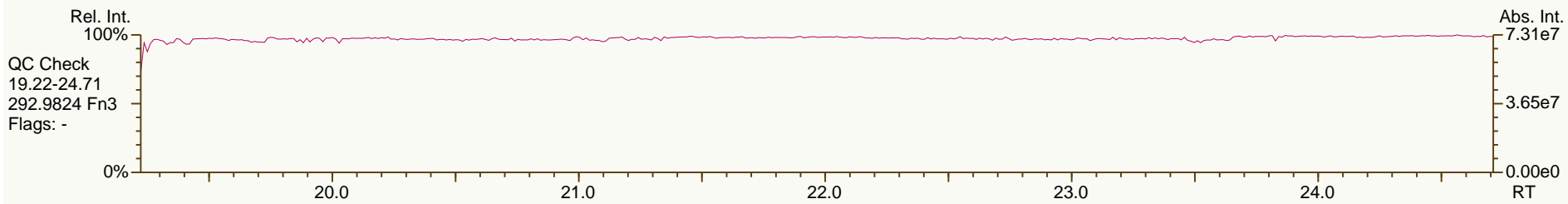
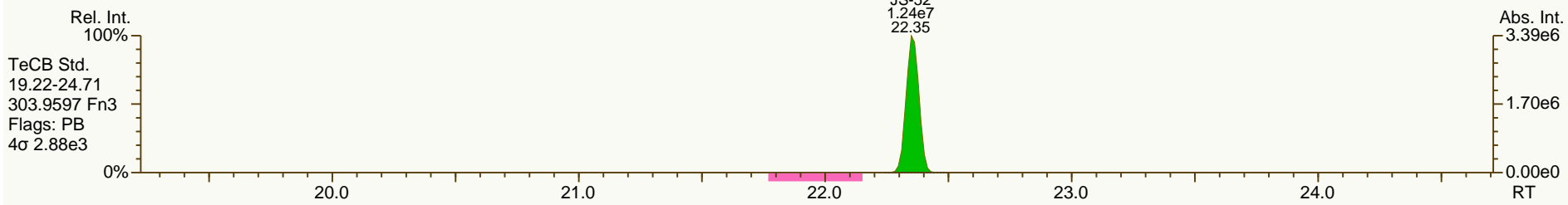
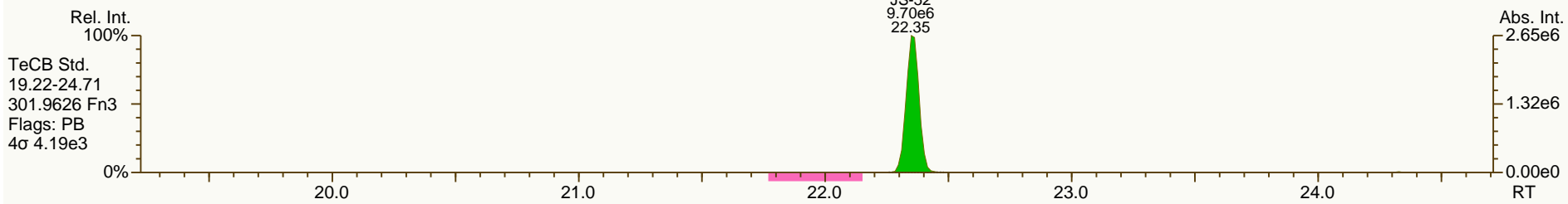
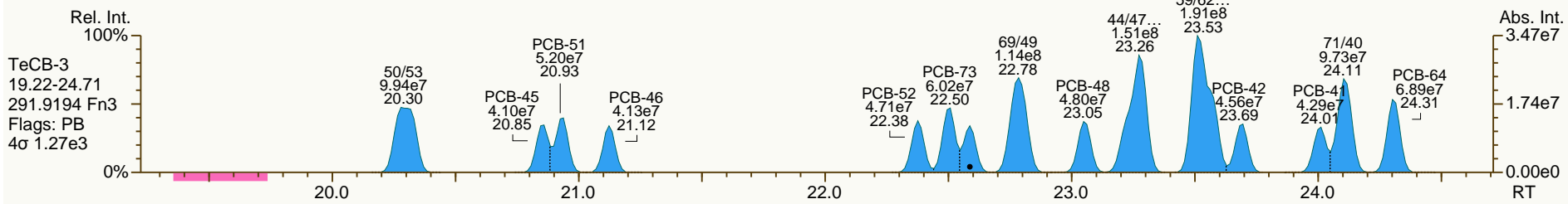
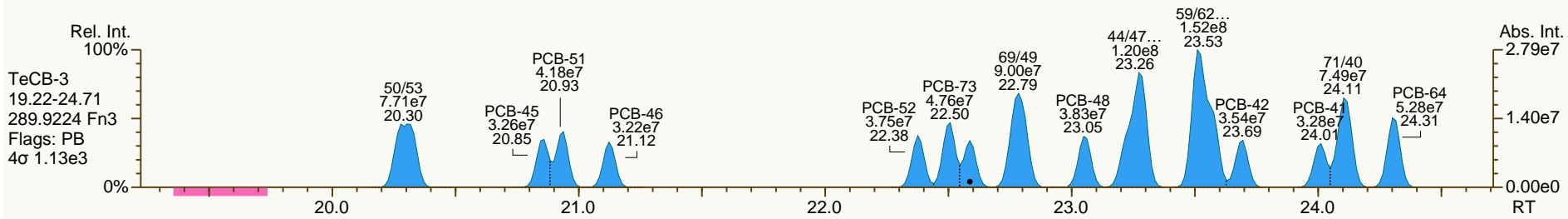
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

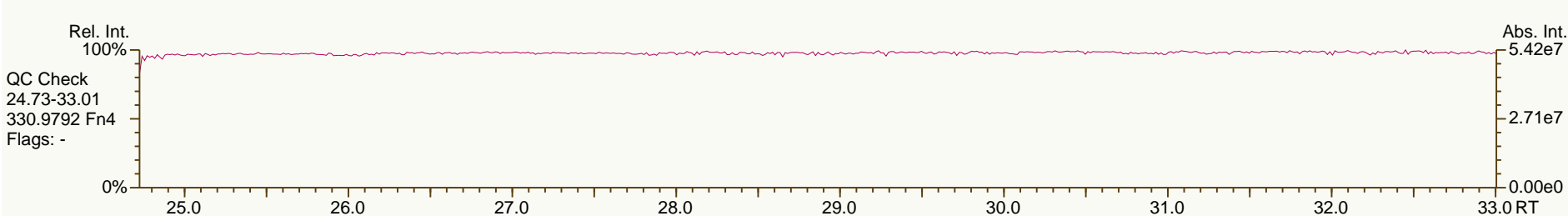
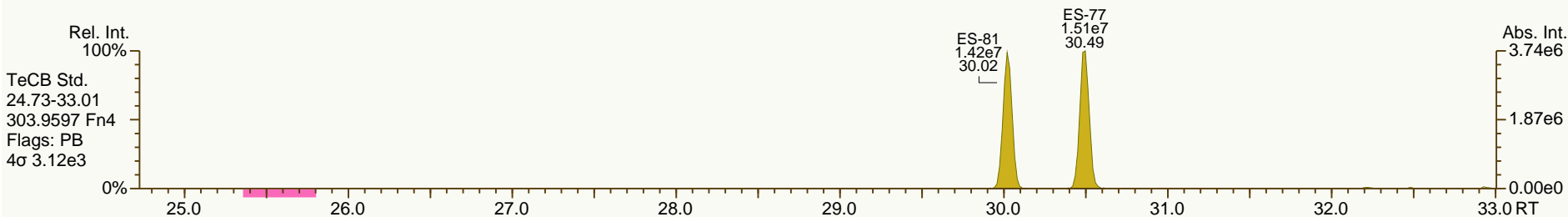
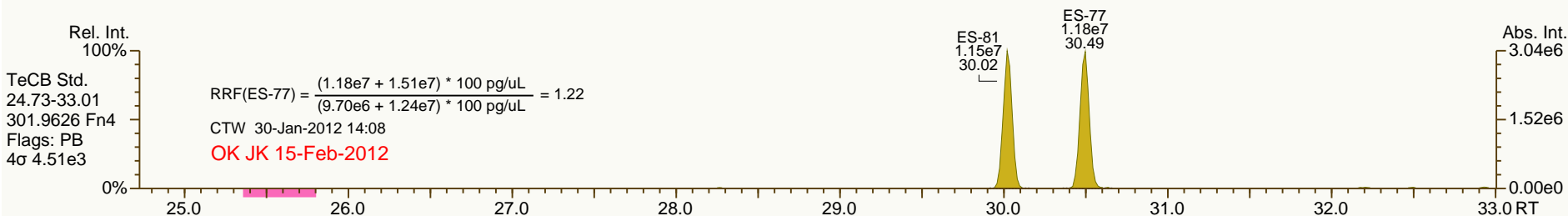
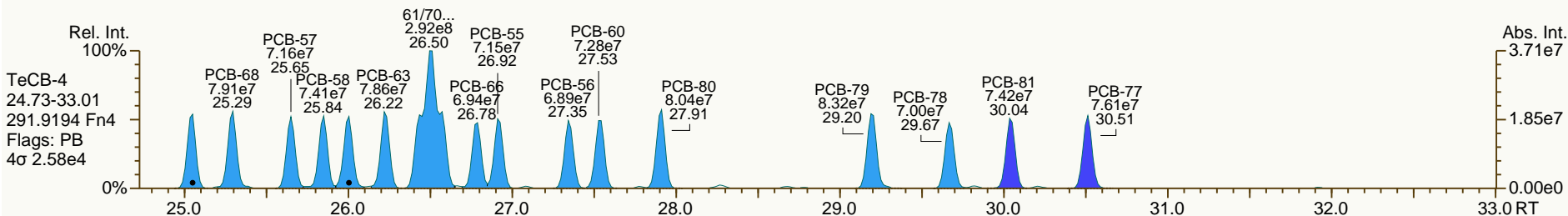
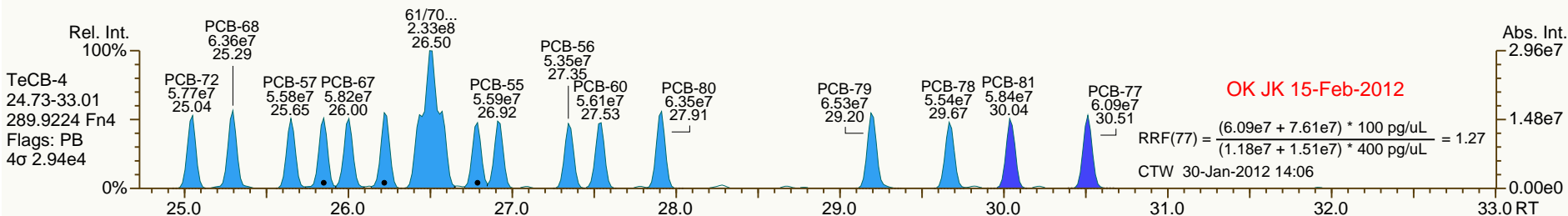
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

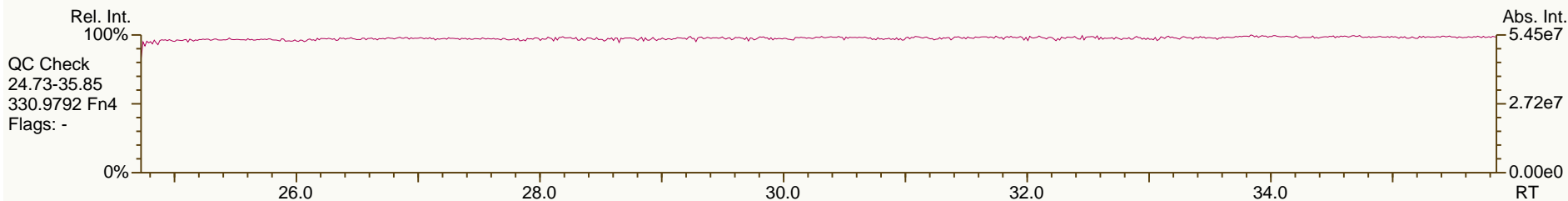
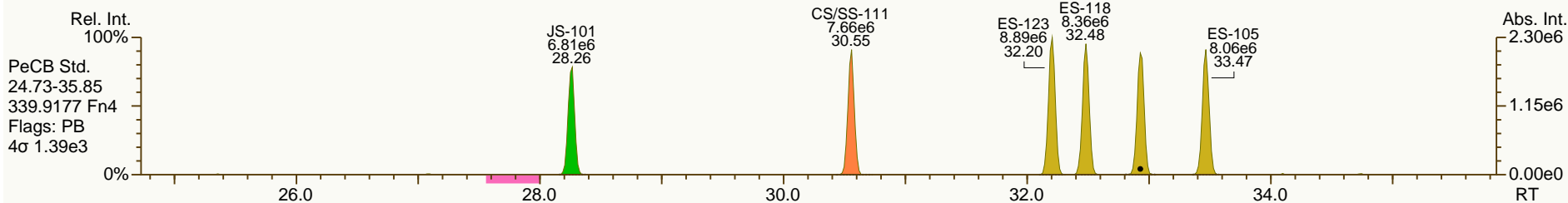
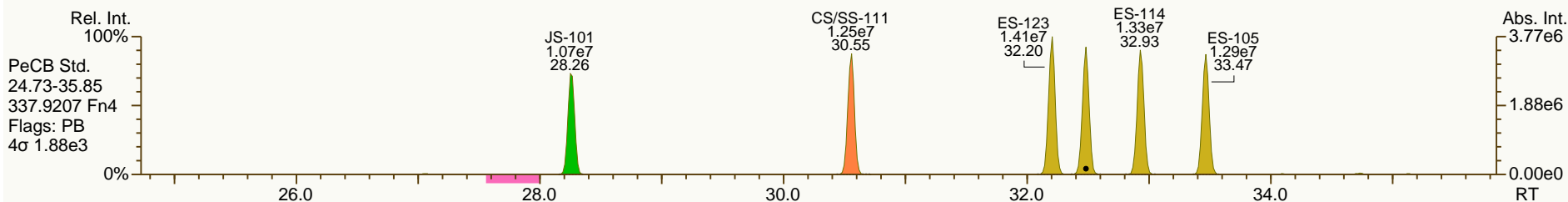
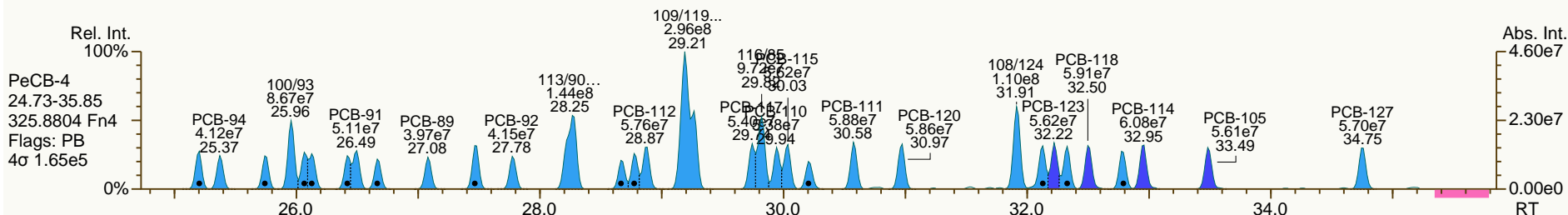
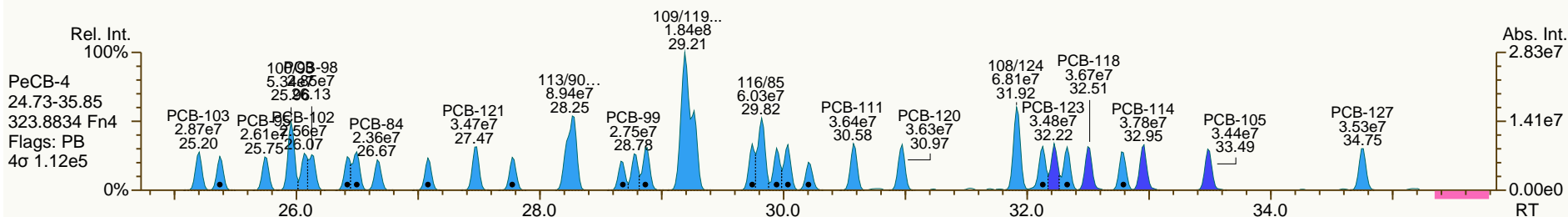
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

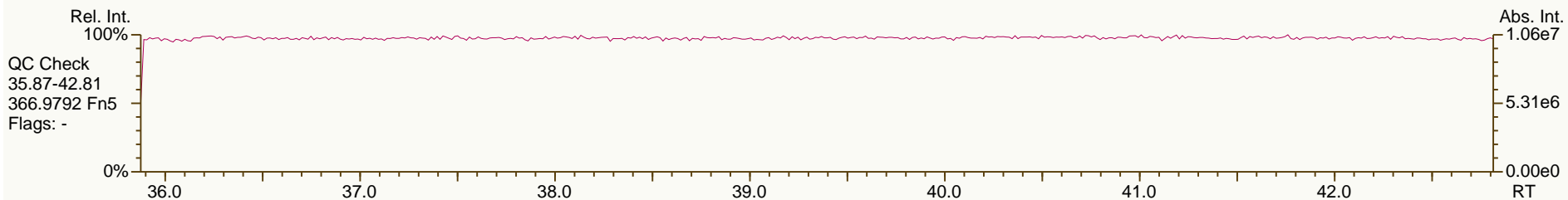
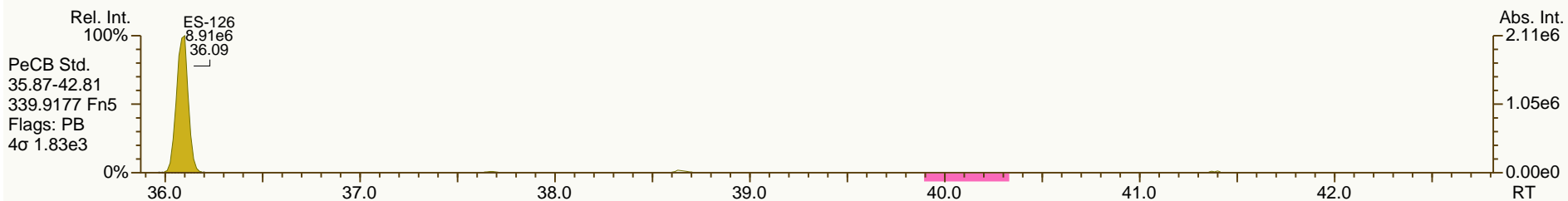
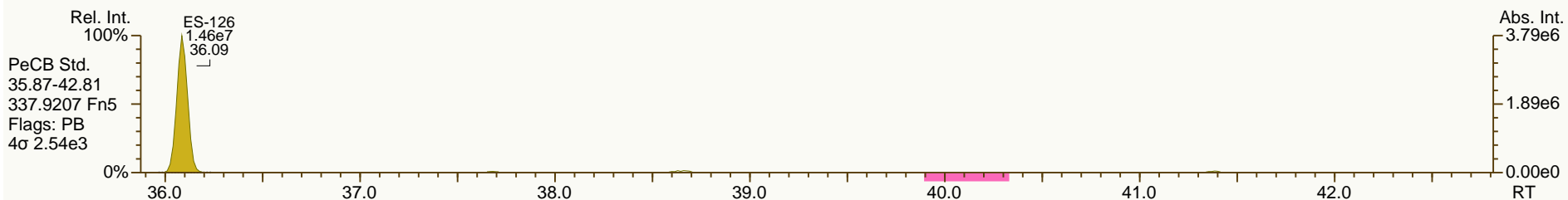
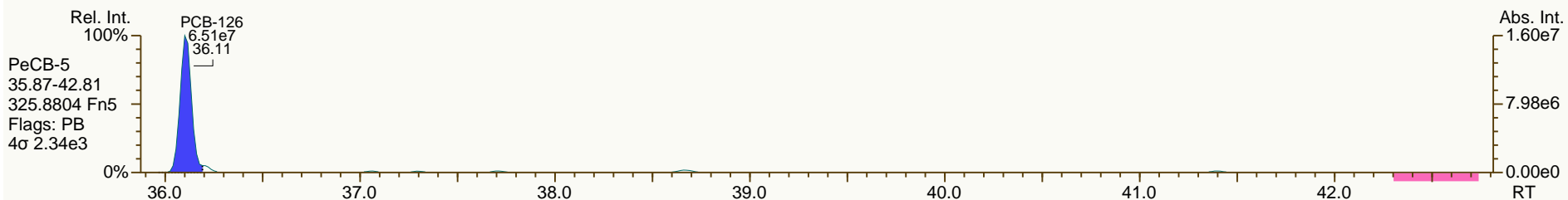
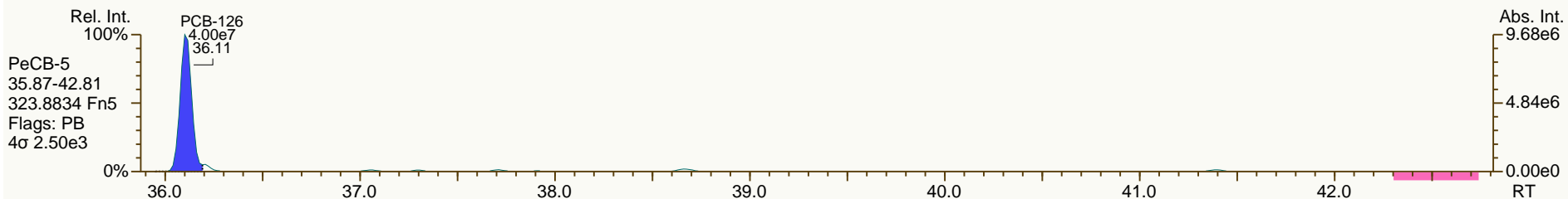
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

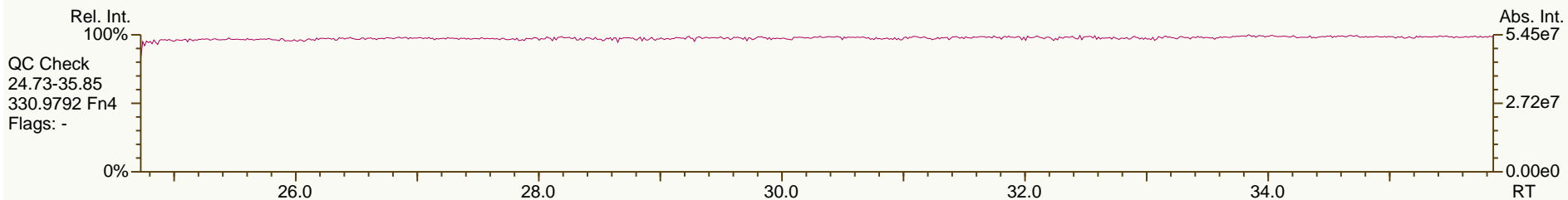
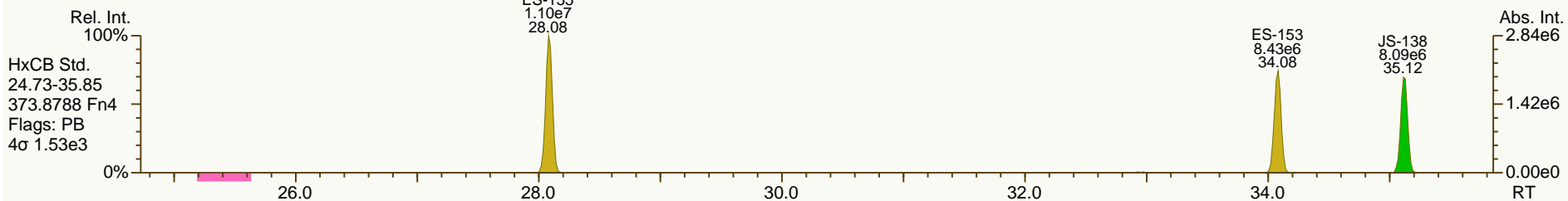
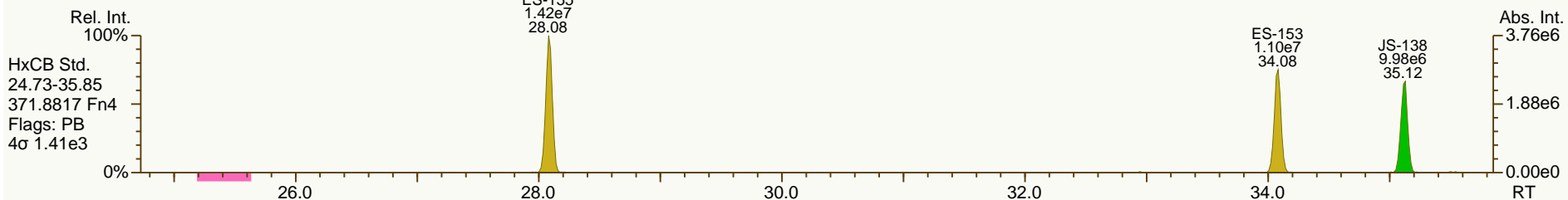
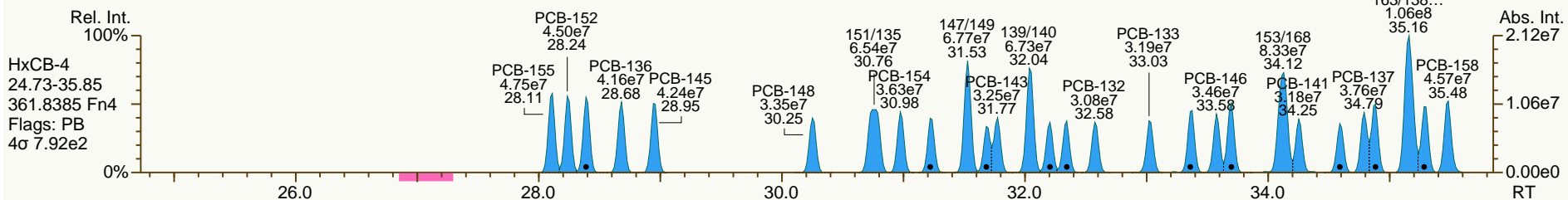
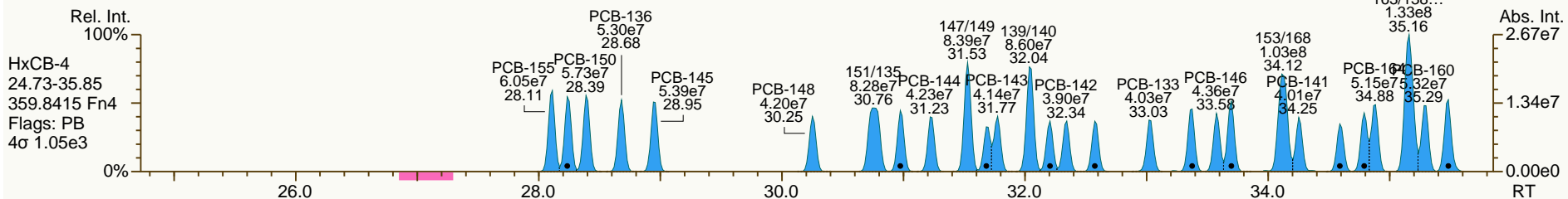
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

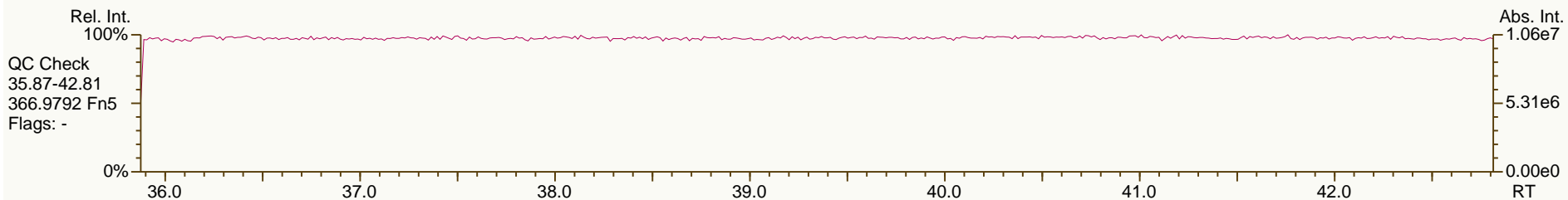
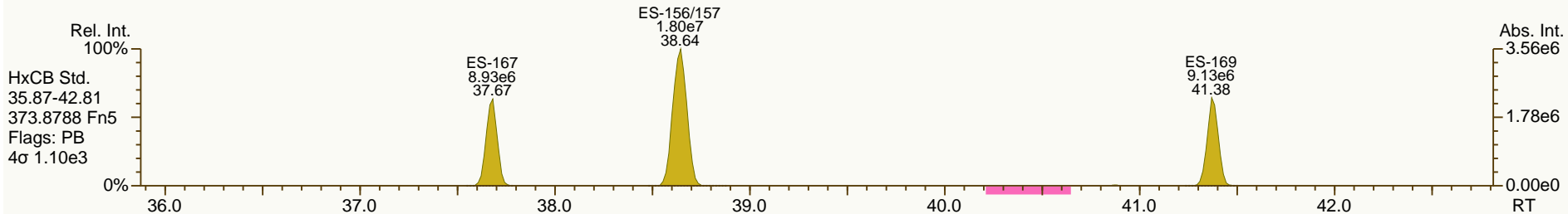
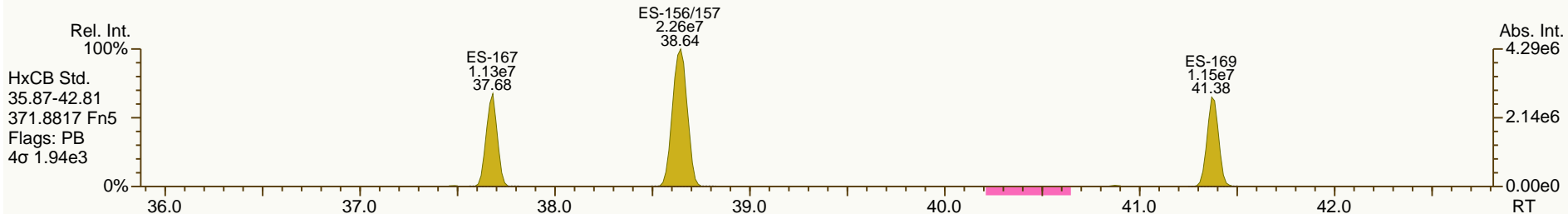
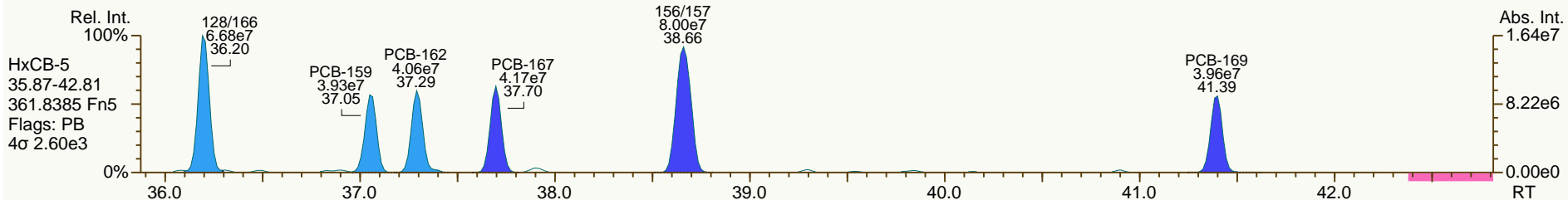
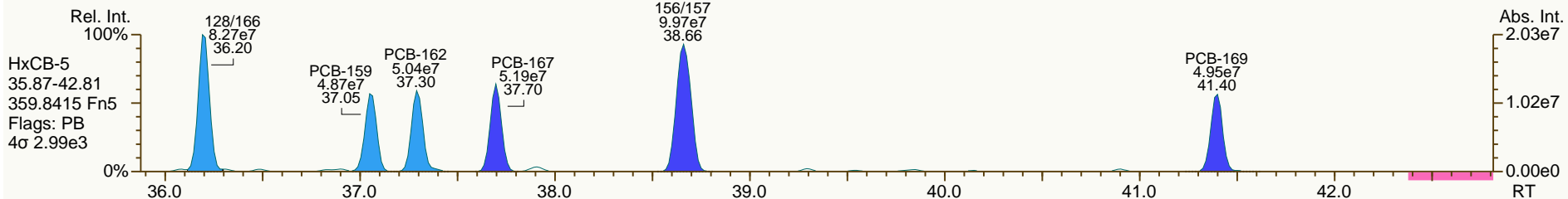
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

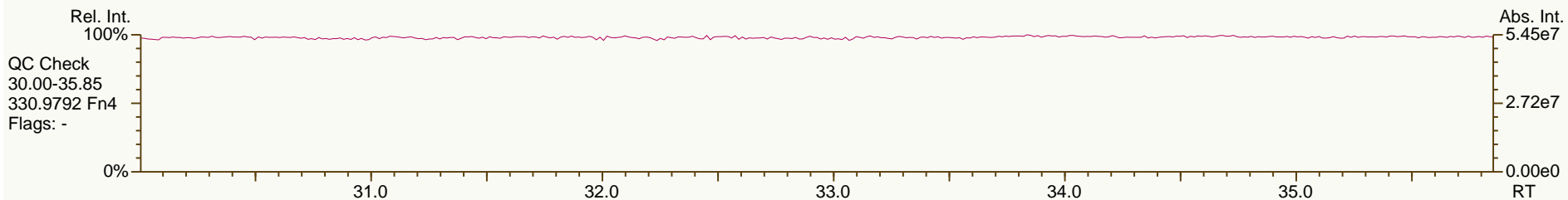
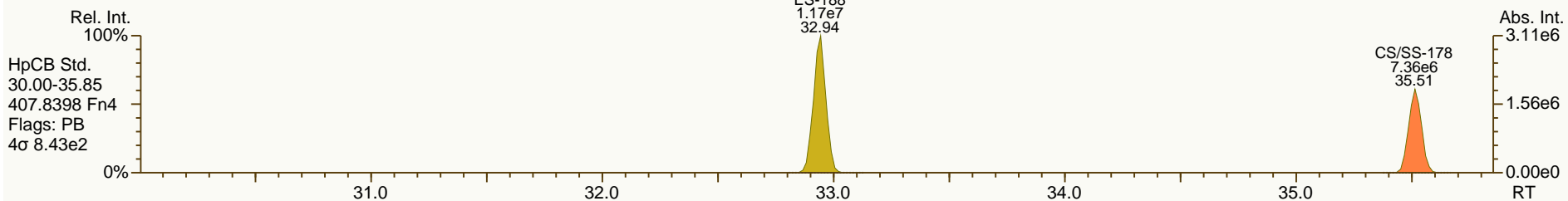
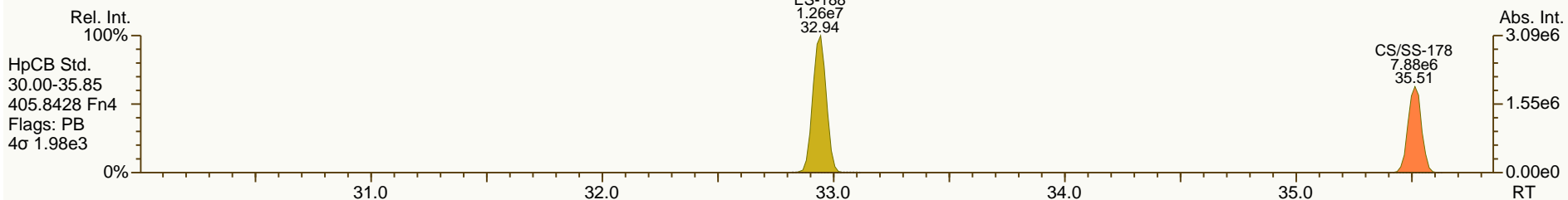
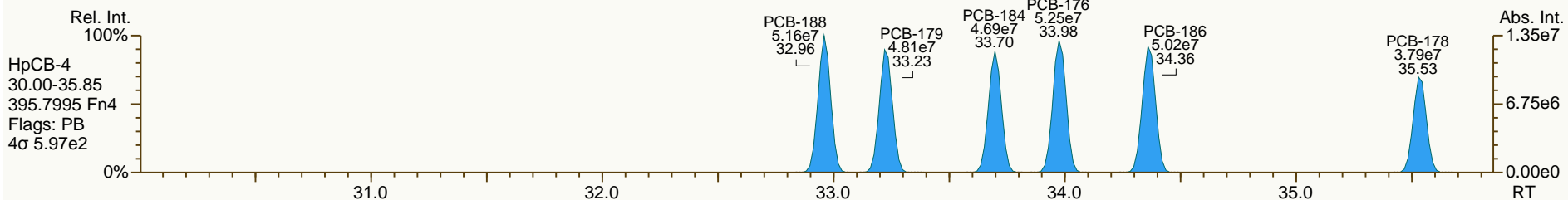
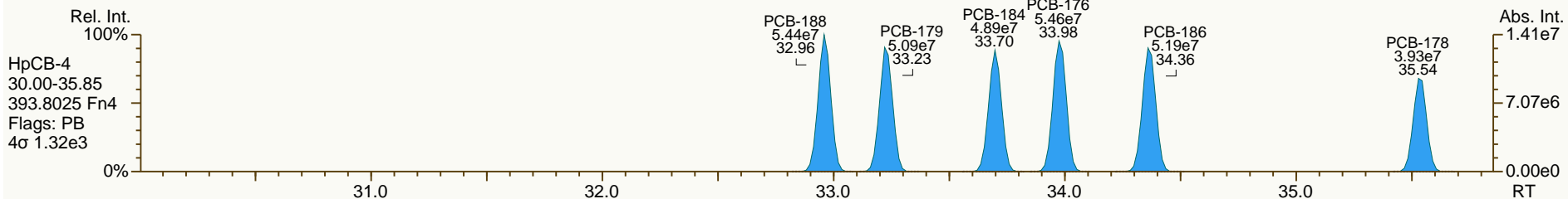
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

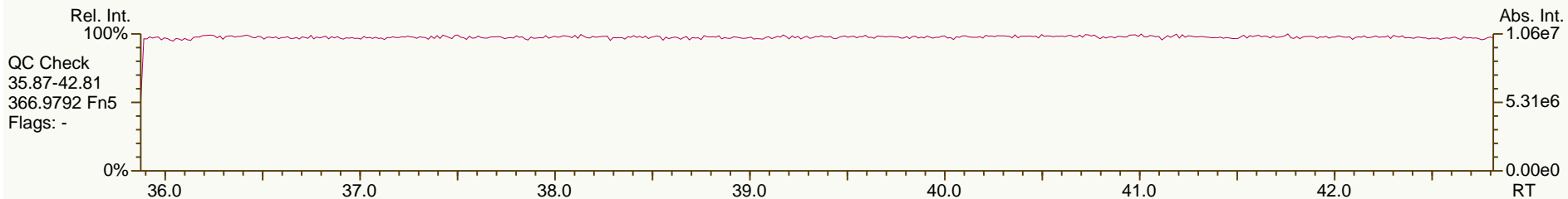
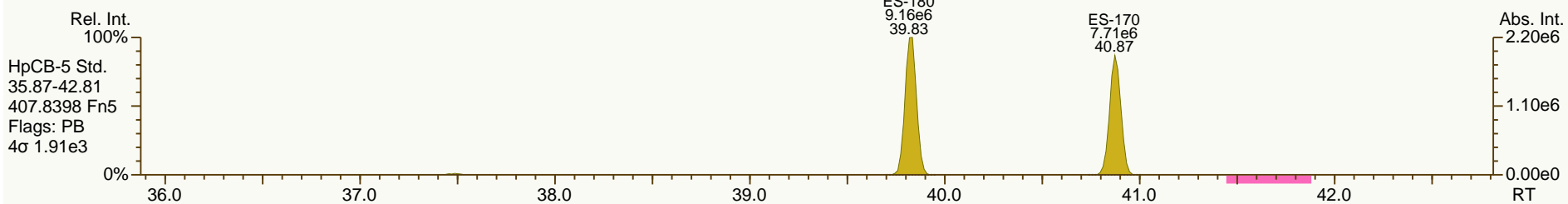
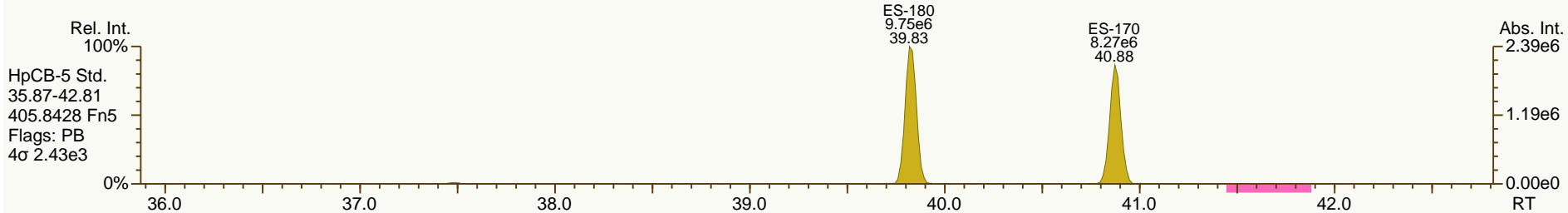
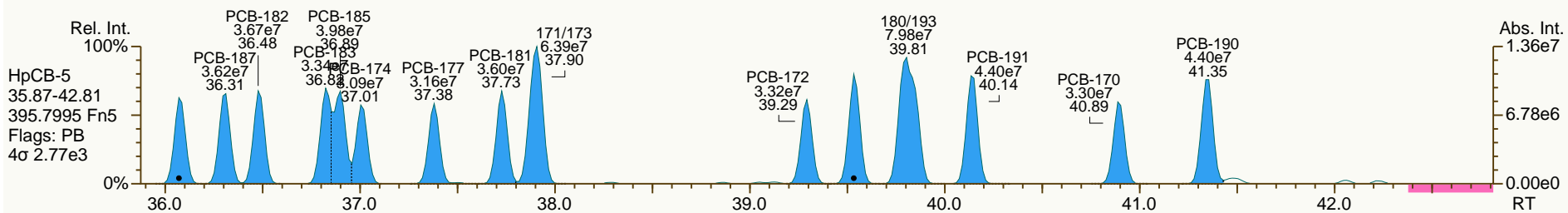
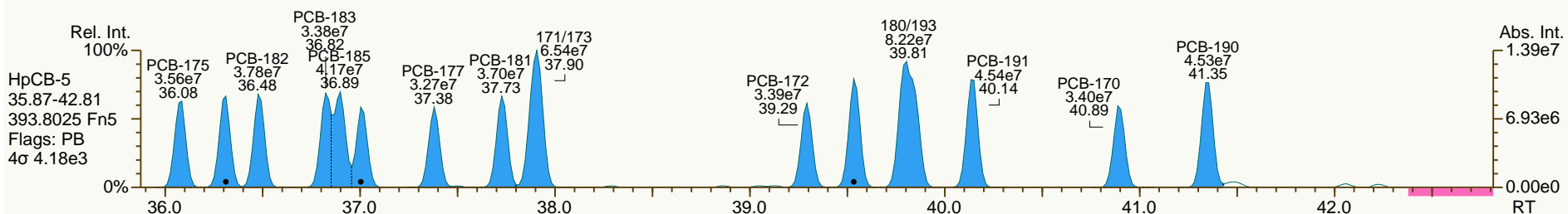
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

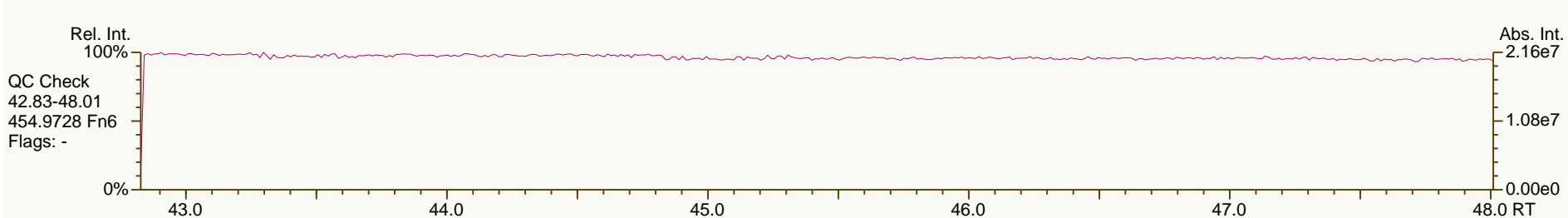
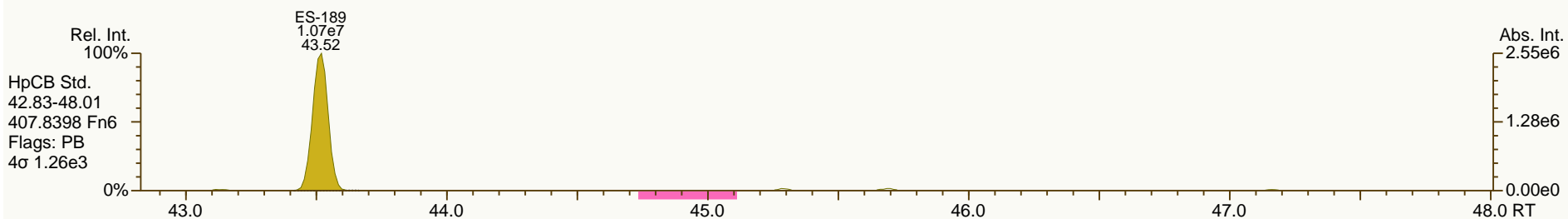
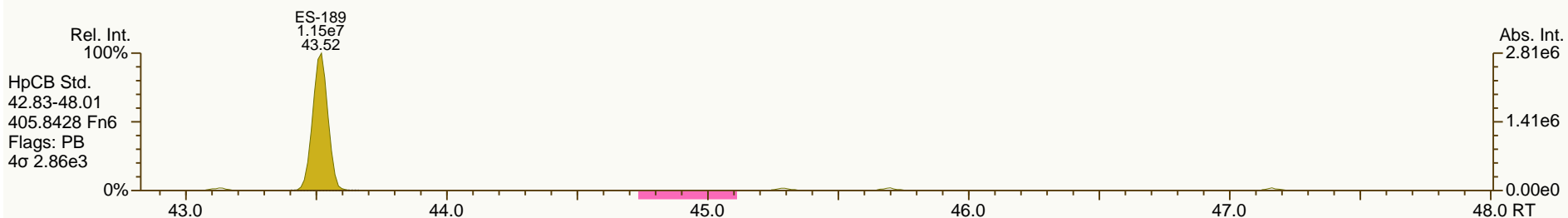
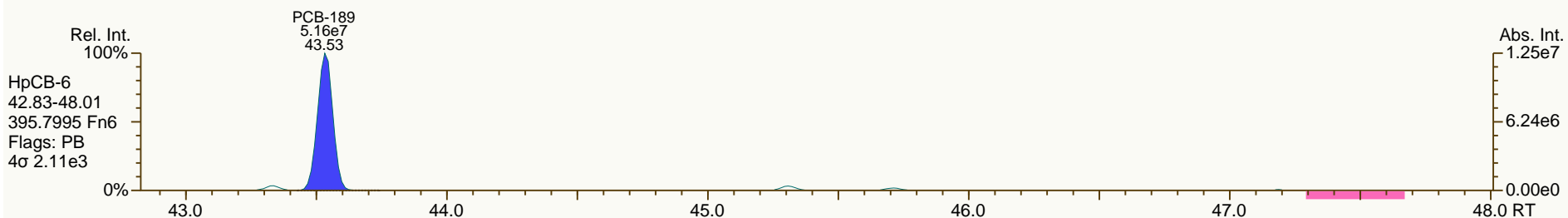
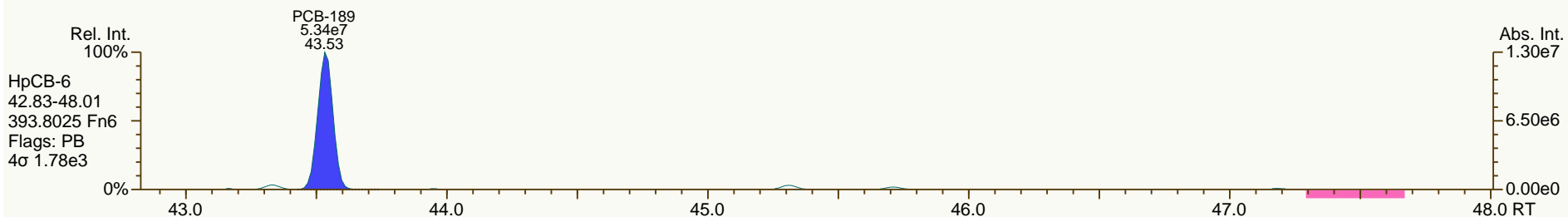
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

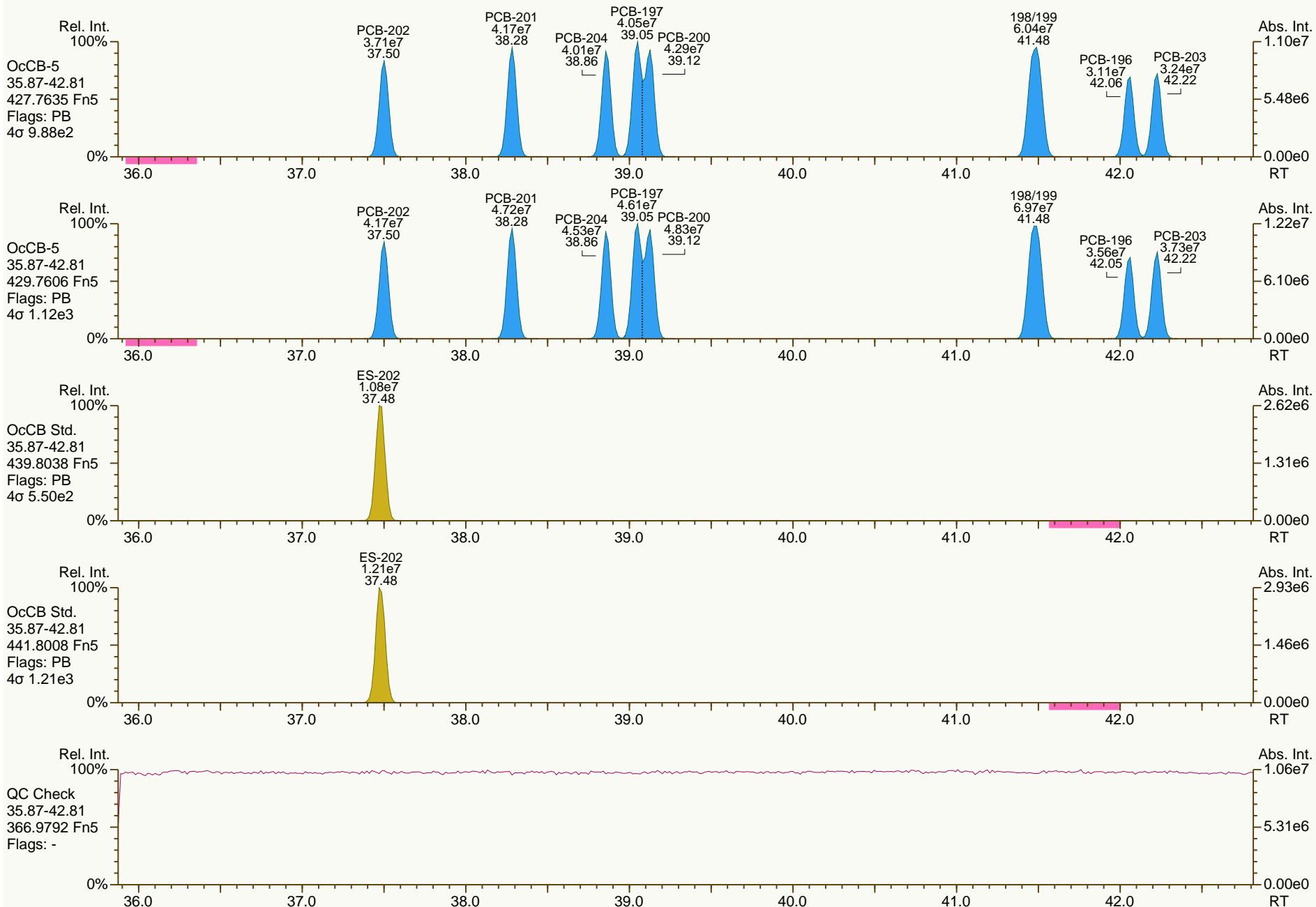
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

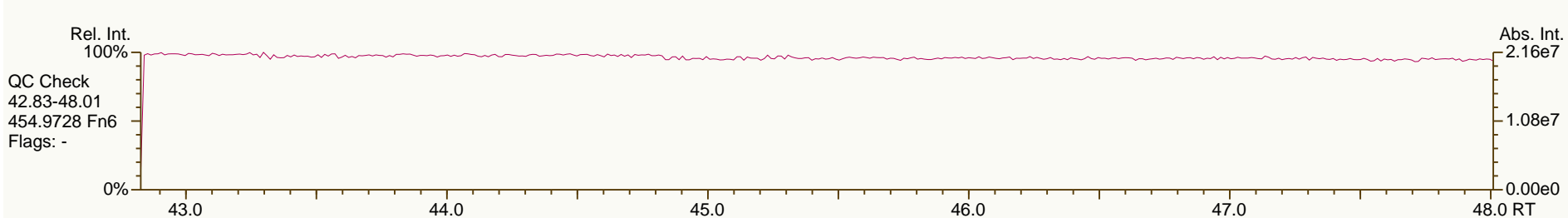
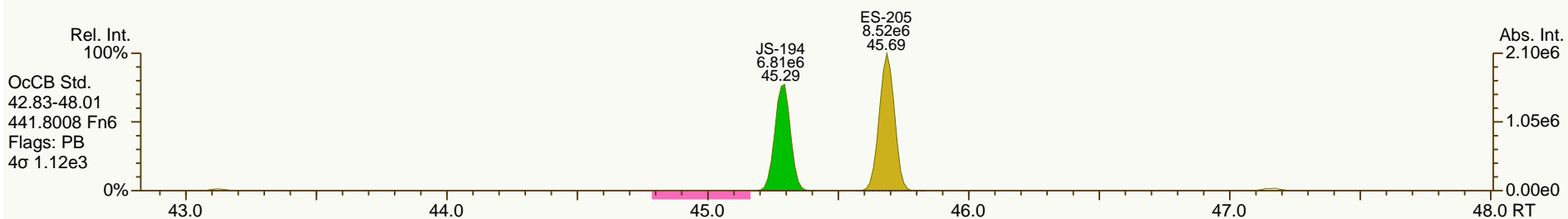
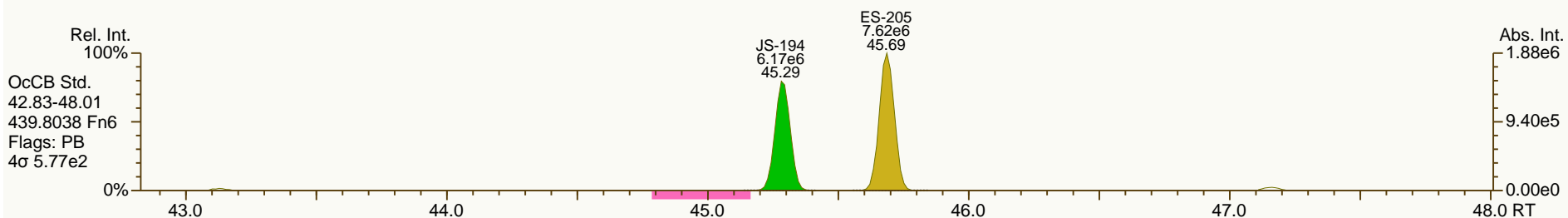
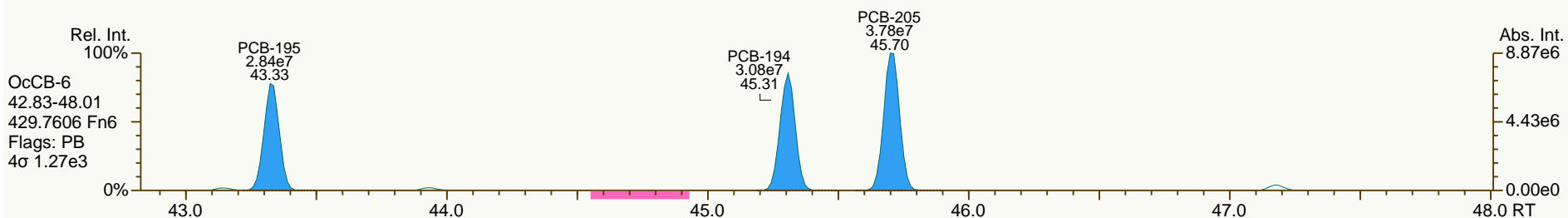
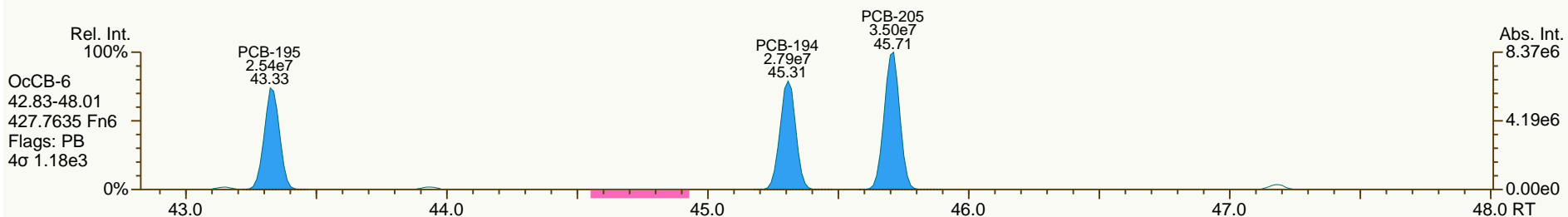
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

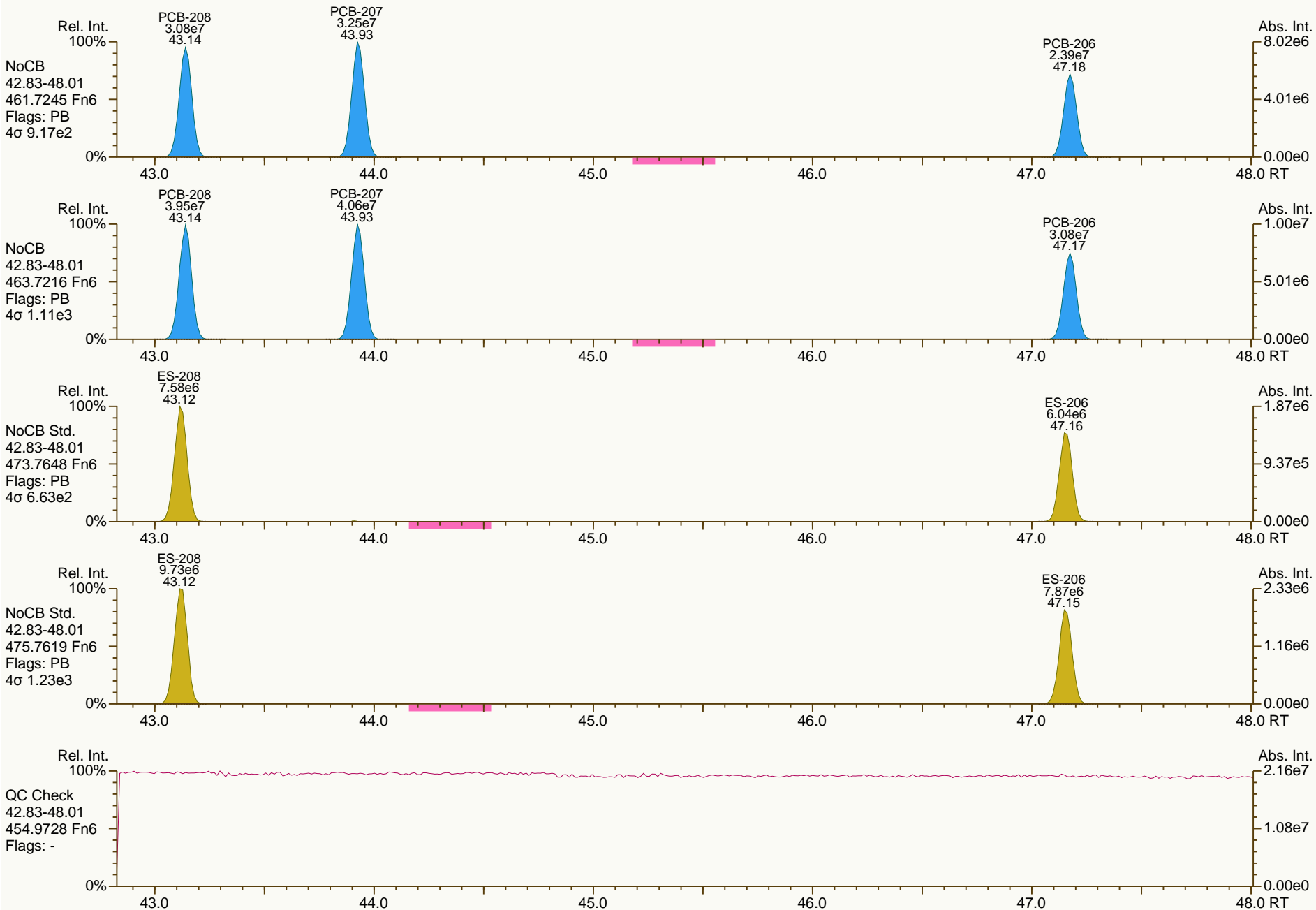
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

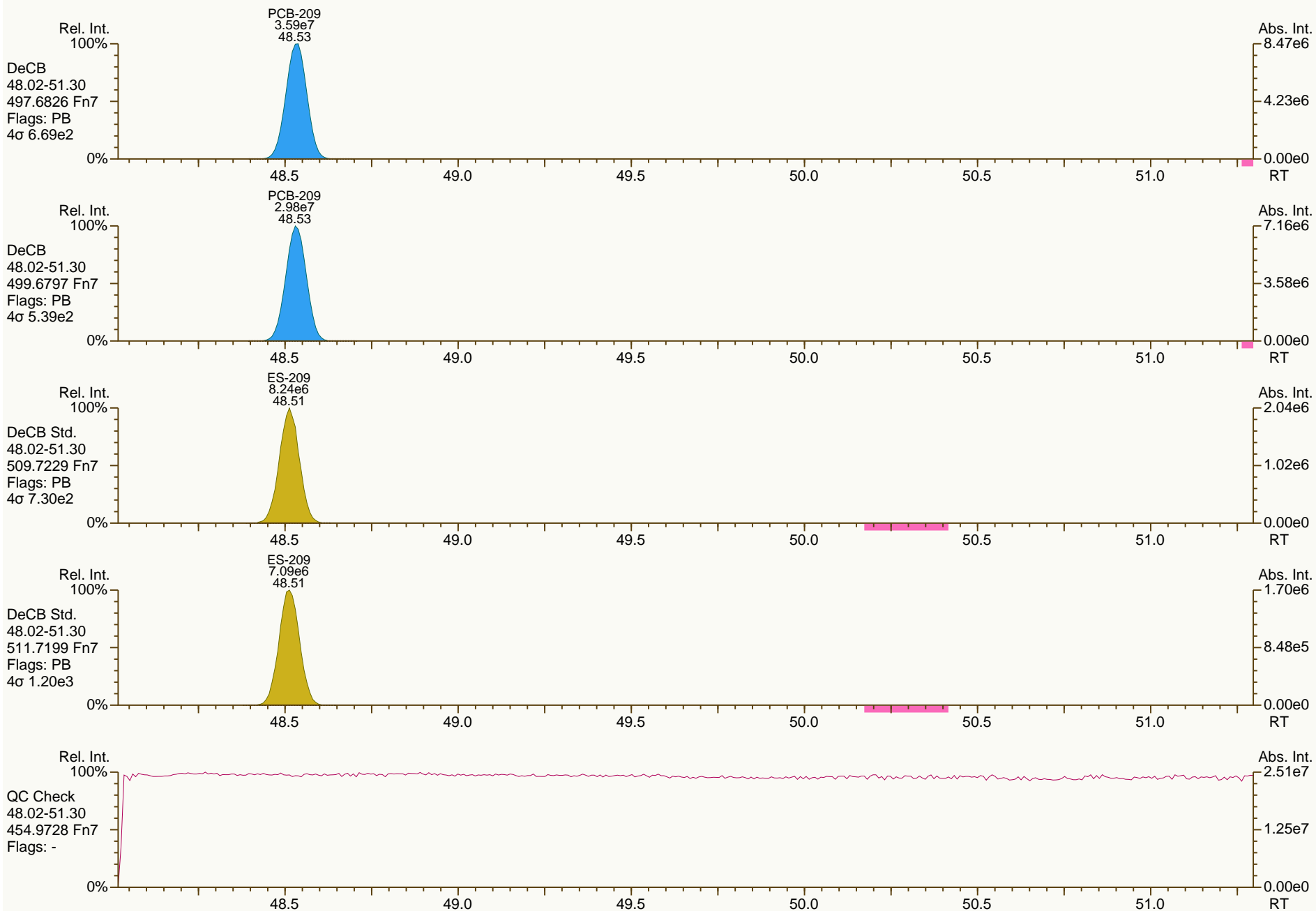
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49		
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.52	1.16E+09	0.79 Y	1.22	1.29	5.5%	
PCB-81 344'5'-TeCB	30.05	1.13E+09	0.77 Y	1.24	1.31	5.0%	
PCB-105 233'44'-PeCB	33.50	7.39E+08	0.61 Y	1.03	1.07	4.3%	
PCB-114 2344'5'-PeCB	32.96	7.95E+08	0.61 Y	1.10	1.15	4.7%	
PCB-118 23'44'5'-PeCB	32.51	7.59E+08	0.61 Y	1.03	1.09	5.5%	
PCB-123 2'344'5'-PeCB	32.23	7.43E+08	0.61 Y	0.93	0.99	6.9%	
PCB-126 33'44'5'-PeCB	36.12	9.02E+08	0.62 Y	1.11	1.18	5.9%	
PCB-156/157 233'44'5'/233'44'5'	38.67	1.45E+09	1.24 Y	1.05	1.13	7.7%	
PCB-167 23'44'55'-HxCB	37.71	7.39E+08	1.24 Y	1.08	1.16	7.1%	
PCB-169 33'44'55'-HxCB	41.40	7.22E+08	1.25 Y	1.04	1.10	5.1%	
PCB-189 233'44'55'-HpCB	43.54	8.29E+08	1.05 Y	1.11	1.17	5.0%	
PCB-209 DeCB	48.54	5.01E+08	1.16 Y	1.05	1.08	3.1%	
ES PCB-1	10.49	6.65E+07	3.16 Y	1.01	1.02	0.6%	
ES PCB-3	12.54	7.05E+07	3.19 Y	1.05	1.08	2.7%	
ES PCB-4	12.77	4.55E+07	1.54 Y	0.70	0.70	-0.2%	
ES PCB-15	18.11	7.97E+07	1.60 Y	1.17	1.22	4.2%	
ES PCB-19	15.61	3.68E+07	1.05 Y	0.57	0.56	-0.7%	
ES PCB-37	24.24	5.44E+07	1.08 Y	1.41	1.49	5.3%	
ES PCB-54	18.36	5.06E+07	0.78 Y	1.32	1.38	4.6%	
ES PCB-77	30.50	4.50E+07	0.82 Y	1.22	1.23	1.1%	
ES PCB-81	30.03	4.34E+07	0.80 Y	1.15	1.19	3.0%	
ES PCB-104	23.19	4.79E+07	1.54 Y	1.69	1.68	-0.1%	
ES PCB-105	33.47	3.45E+07	1.57 Y	1.21	1.21	0.7%	
ES PCB-114	32.94	3.46E+07	1.60 Y	1.23	1.22	-1.1%	
ES PCB-118	32.49	3.48E+07	1.60 Y	1.25	1.22	-1.7%	
ES PCB-123	32.21	3.76E+07	1.55 Y	1.33	1.32	-0.3%	
ES PCB-126	36.10	3.83E+07	1.64 Y	1.36	1.35	-0.8%	
ES PCB-153	34.09	3.08E+07	1.24 Y	1.09	1.10	1.8%	
ES PCB-155	28.09	3.94E+07	1.26 Y	1.40	1.41	0.7%	
ES PCB-156/157	38.65	6.43E+07	1.27 Y	1.13	1.15	1.7%	
ES PCB-167	37.68	3.19E+07	1.24 Y	1.13	1.14	1.3%	
ES PCB-169	41.38	3.29E+07	1.25 Y	1.14	1.18	3.4%	
ES PCB-170	40.88	2.43E+07	1.06 Y	1.23	1.26	2.1%	
ES PCB-180	39.83	2.91E+07	1.04 Y	1.46	1.50	2.6%	
ES PCB-188	32.95	3.66E+07	1.05 Y	1.34	1.31	-2.0%	
ES PCB-189	43.52	3.56E+07	1.06 Y	1.77	1.84	4.1%	
ES PCB-202	37.49	3.53E+07	0.90 Y	1.27	1.27	-0.4%	
ES PCB-205	45.69	2.49E+07	0.88 Y	1.25	1.29	3.1%	
ES PCB-206	47.16	2.12E+07	0.79 Y	1.07	1.10	2.7%	
ES PCB-208	43.13	2.65E+07	0.79 Y	1.34	1.37	2.2%	
ES PCB-209	48.52	2.32E+07	1.21 Y	1.18	1.20	1.0%	

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49		
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	5.37E+07	1.07 Y	0.98	0.99	0.5%	
SS PCB-111	30.56	3.34E+07	1.55 Y	0.90	0.89	-1.0%	
SS PCB-178	35.52	2.41E+07	1.07 Y	0.65	0.66	1.8%	
CS PCB-28	20.78	5.37E+07	1.07 Y	1.39	1.47	5.9%	
CS PCB-111	30.56	3.34E+07	1.55 Y	1.19	1.18	-1.3%	
CS PCB-178	35.52	2.41E+07	1.07 Y	0.87	0.87	-0.3%	
JS PCB-9	14.60	6.53E+07	1.62 Y	-	-	-	
JS PCB-52	22.37	3.66E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	2.84E+07	1.55 Y	-	-	-	
JS PCB-138	35.13	2.79E+07	1.22 Y	-	-	-	
JS PCB-194	45.29	1.94E+07	0.88 Y	-	-	-	
PCB-1 2-MoCB	10.50	1.65E+09	3.13 Y	1.20	1.24	3.3%	
PCB-3 4-MoCB	12.55	1.65E+09	3.11 Y	1.13	1.17	3.7%	
PCB-4 22'-DiCB	12.78	9.03E+08	1.55 Y	0.94	0.99	5.1%	
PCB-15 44'-DiCB	18.12	1.65E+09	1.54 Y	1.01	1.04	3.1%	
PCB-19 22'6'-TrCB	15.63	7.80E+08	1.03 Y	1.01	1.06	5.0%	
PCB-37 344'-TrCB	24.26	1.37E+09	1.06 Y	1.20	1.26	4.8%	
PCB-54 22'66'-TeCB	18.38	9.91E+08	0.77 Y	0.93	0.98	5.0%	
PCB-104 22'466'-PeCB	23.22	9.19E+08	0.61 Y	0.92	0.96	4.7%	
PCB-153 22'44'55' -HxCB	34.13	1.47E+09	1.26 Y	1.15	1.19	4.1%	
PCB-155 22'44'66'-HxCB	28.12	8.78E+08	1.27 Y	1.06	1.11	5.5%	
PCB-170 22'33'44'5'-HpCB	40.90	5.26E+08	1.04 Y	1.00	1.08	8.2%	
PCB-180 22'344'55'-HpCB	39.82	1.24E+09	1.05 Y	1.01	1.06	4.8%	
PCB-188 22'34'566'-HpCB	32.97	8.25E+08	1.06 Y	1.07	1.13	5.6%	
PCB-202 22'33'55'66'-OcCB	37.51	6.03E+08	0.89 Y	0.83	0.85	3.3%	
PCB-205 233'44'55'6'-OcCB	45.71	5.72E+08	0.90 Y	1.09	1.15	5.0%	
PCB-208 22'33'455'66'-NoCB	43.15	5.44E+08	0.78 Y	0.98	1.03	5.2%	
PCB-206 22'33'44'55'6'-NoCB	47.18	4.12E+08	0.80 Y	0.93	0.97	4.1%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	1.65E+09	3.13 Y	1.20	1.24	3.3%	
PCB-2 3-MoCB	12.39	1.66E+09	3.12 Y	1.13	1.17	3.8%	
PCB-3 4-MoCB	12.55	1.65E+09	3.11 Y	1.13	1.17	3.7%	
PCB-4 22'-DiCB	12.78	9.03E+08	1.55 Y	0.94	0.99	5.1%	
PCB-10 26-DiCB	12.94	1.35E+09	1.56 Y	1.43	1.49	4.0%	
PCB-9 25-DiCB	14.61	1.41E+09	1.54 Y	0.87	0.88	1.7%	
PCB-7 24-DiCB	14.76	1.59E+09	1.55 Y	1.00	1.00	-0.4%	
PCB-6 23'-DiCB	14.97	1.50E+09	1.55 Y	0.94	0.94	0.6%	
PCB-5 23-DiCB	15.25	1.53E+09	1.55 Y	0.92	0.96	4.0%	
PCB-8 24'-DiCB	15.37	1.55E+09	1.54 Y	0.95	0.97	2.3%	
PCB-14 35-DiCB	16.84	1.78E+09	1.56 Y	1.09	1.12	2.2%	
PCB-11 33'-DiCB	17.58	1.55E+09	1.55 Y	0.98	0.97	-0.2%	
PCB-13/12 34'-/34-DiCB	17.85	3.19E+09	1.54 Y	0.97	1.00	3.3%	
PCB-15 44'-DiCB	18.12	1.65E+09	1.54 Y	1.01	1.04	3.1%	
PCB-19 22'6-TrCB	15.63	7.80E+08	1.03 Y	1.01	1.06	5.0%	
PCB-30/18 246-/22'5-TrCB	17.30	2.06E+09	1.03 Y	1.29	1.40	8.2%	
PCB-17 22'4-TrCB	17.68	8.84E+08	1.02 Y	1.14	1.20	5.7%	
PCB-27 23'6-TrCB	17.87	1.19E+09	1.03 Y	1.48	1.62	9.0%	
PCB-24 236-TrCB	17.99	1.10E+09	1.01 Y	1.43	1.50	5.0%	
PCB-16 22'3-TrCB	18.07	6.92E+08	1.04 Y	0.89	0.94	5.3%	
PCB-32 24'6-TrCB	18.54	1.21E+09	1.04 Y	1.56	1.65	5.9%	
PCB-34 2'35-TrCB	19.66	1.33E+09	1.06 Y	1.18	1.22	3.7%	
PCB-23 235-TrCB	19.80	1.34E+09	1.05 Y	1.19	1.23	3.9%	
PCB-26/29 23'5-/245-TrCB	20.08	2.75E+09	1.07 Y	1.20	1.26	5.2%	
PCB-25 23'4-TrCB	20.27	1.37E+09	1.06 Y	1.19	1.26	5.8%	
PCB-31 24'5-TrCB	20.54	1.41E+09	1.06 Y	1.23	1.30	5.8%	
PCB-28/20 244'-/233'-TrCB	20.81	2.73E+09	1.06 Y	1.18	1.25	6.2%	
PCB-21/33 234-/2'34-TrCB	20.97	2.78E+09	1.06 Y	1.21	1.28	5.2%	
PCB-22 234'-TrCB	21.34	1.28E+09	1.05 Y	1.11	1.18	5.5%	
PCB-36 33'5-TrCB	22.71	1.38E+09	1.07 Y	1.21	1.27	4.4%	
PCB-39 34'5-TrCB	23.02	1.44E+09	1.05 Y	1.32	1.33	0.6%	
PCB-38 345-TrCB	23.52	1.30E+09	1.06 Y	1.15	1.20	3.6%	
PCB-35 33'4-TrCB	23.91	1.27E+09	1.05 Y	1.13	1.17	3.2%	
PCB-37 344'-TrCB	24.26	1.37E+09	1.06 Y	1.20	1.26	4.8%	
PCB-54 22'66'-TeCB	18.38	9.91E+08	0.77 Y	0.93	0.98	5.0%	
PCB-50/53 22'46-/22'56'TeCB	20.31	1.56E+09	0.80 Y	0.83	0.90	8.0%	
PCB-45 22'36'-TeCB	20.86	6.63E+08	0.77 Y	0.71	0.76	8.3%	
PCB-51 22'46'-TeCB	20.94	8.16E+08	0.78 Y	0.88	0.94	7.1%	
PCB-46 22'36'-TeCB	21.13	6.37E+08	0.80 Y	0.69	0.73	5.7%	
PCB-52 22'55'-TeCB	22.39	7.26E+08	0.79 Y	0.80	0.84	4.3%	
PCB-73 23'5'6TeCB	22.51	9.52E+08	0.76 Y	1.03	1.10	6.3%	
PCB-43 22'35'-TeCB	22.60	6.36E+08	0.77 Y	0.71	0.73	3.9%	
PCB-69/49 23'46-/22'45'TeCB	22.80	1.76E+09	0.77 Y	0.96	1.01	5.7%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.06	7.45E+08	0.78 Y	0.84	0.86	2.7%	
PCB-44/47/65 22'35'-/22'44'-	23.28	2.34E+09	0.77 Y	0.86	0.90	4.6%	
PCB-59/62/75 233'6'-/2346-/24	23.55	2.96E+09	0.77 Y	1.09	1.14	4.2%	
PCB-42 22'34'-TeCB	23.70	6.84E+08	0.78 Y	0.77	0.79	2.9%	
PCB-41 22'34'-TeCB	24.02	6.65E+08	0.77 Y	0.73	0.77	5.6%	
PCB-71/40 23'4'6/22'33'-TeCB	24.12	1.48E+09	0.77 Y	0.81	0.85	4.5%	
PCB-64 234'6'-TeCB	24.32	1.05E+09	0.77 Y	1.17	1.21	3.5%	
PCB-72 23'55'-TeCB	25.05	1.13E+09	0.78 Y	1.25	1.31	4.4%	
PCB-68 23'45'-TeCB	25.30	1.20E+09	0.77 Y	1.36	1.39	1.6%	
PCB-57 233'5'-TeCB	25.66	1.08E+09	0.78 Y	1.22	1.25	2.1%	
PCB-58 233'5'-TeCB	25.86	1.09E+09	0.79 Y	1.26	1.26	0.0%	
PCB-67 23'45'-TeCB	26.01	1.15E+09	0.79 Y	1.27	1.32	3.6%	
PCB-63 234'5'-TeCB	26.23	1.22E+09	0.78 Y	1.34	1.41	5.5%	
PCB-61/70/74/76 2345-/23'4'5	26.52	4.58E+09	0.78 Y	1.24	1.32	6.2%	
PCB-66 23'44'-TeCB	26.79	1.07E+09	0.79 Y	1.19	1.24	4.2%	
PCB-55 233'4'-TeCB	26.93	1.08E+09	0.79 Y	1.22	1.24	2.1%	
PCB-56 233'4'-TeCB	27.36	1.06E+09	0.78 Y	1.18	1.23	4.1%	
PCB-60 2344'-TeCB	27.54	1.13E+09	0.77 Y	1.24	1.31	5.6%	
PCB-80 33'55'-TeCB	27.92	1.23E+09	0.78 Y	1.37	1.41	2.9%	
PCB-79 33'45'-TeCB	29.21	1.25E+09	0.79 Y	1.37	1.45	5.6%	
PCB-78 33'45'-TeCB	29.68	1.07E+09	0.78 Y	1.19	1.23	3.2%	
PCB-104 22'466'-PeCB	23.22	9.19E+08	0.61 Y	0.92	0.96	4.7%	
PCB-96 22'366'-PeCB	23.51	7.98E+08	0.62 Y	0.81	0.83	2.9%	
PCB-103 22'45'6'-PeCB	25.21	6.26E+08	0.62 Y	0.78	0.83	7.4%	
PCB-94 22'356'-PeCB	25.38	5.54E+08	0.62 Y	0.71	0.74	3.6%	
PCB-95 22'35'6'-PeCB	25.76	5.92E+08	0.62 Y	0.74	0.79	6.1%	
PCB-100/93 22'44'6-/22'356-P	25.97	1.21E+09	0.62 Y	0.75	0.81	8.0%	
PCB-102 22'456'-PeCB	26.08	5.99E+08	0.61 Y	0.75	0.80	6.5%	
PCB-98 22'3'46'-PeCB	26.14	5.80E+08	0.62 Y	0.71	0.77	8.6%	
PCB-88 22'346'-PeCB	26.43	5.37E+08	0.61 Y	0.66	0.71	7.5%	
PCB-91 22'34'6'-PeCB	26.50	6.67E+08	0.62 Y	0.84	0.89	5.8%	
PCB-84 22'33'6'-PeCB	26.68	5.14E+08	0.62 Y	0.65	0.68	5.3%	
PCB-89 22'346'-PeCB	27.09	5.42E+08	0.62 Y	0.69	0.72	5.0%	
PCB-121 23'45'6'-PeCB	27.48	7.69E+08	0.62 Y	0.98	1.02	4.0%	
PCB-92 22'355'-PeCB	27.79	5.52E+08	0.61 Y	0.72	0.74	2.7%	
PCB-113/90/101 233'5'6-/22'3	28.26	1.91E+09	0.62 Y	0.81	0.85	4.6%	
PCB-83 22'33'5'-PeCB	28.68	4.86E+08	0.62 Y	0.62	0.65	3.8%	
PCB-99 22'44'5'-PeCB	28.79	6.26E+08	0.62 Y	0.76	0.83	9.0%	
PCB-112 233'56'-PeCB	28.88	7.43E+08	0.62 Y	0.96	0.99	2.6%	
PCB-108/119/86/97/125/87 233	29.22	3.91E+09	0.62 Y	0.83	0.87	5.1%	
PCB-117 234'56'-PeCB	29.75	7.67E+08	0.61 Y	0.94	1.02	8.5%	
PCB-116/85 23456-/22'344'-Pe	29.83	1.26E+09	0.62 Y	0.81	0.84	3.8%	
PCB-110 233'4'6'-PeCB	29.96	7.40E+08	0.61 Y	0.92	0.99	7.1%	

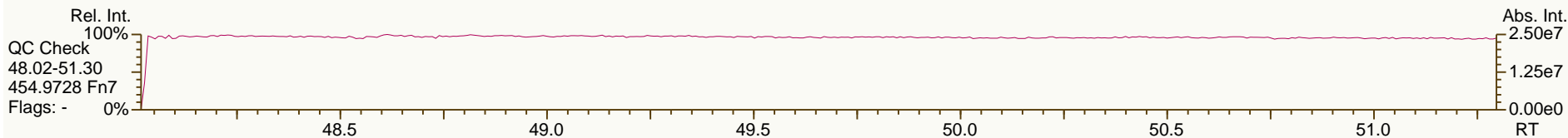
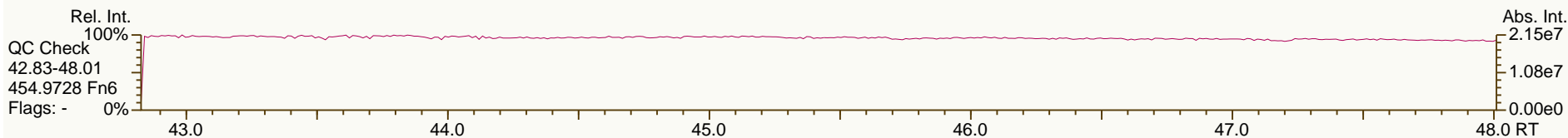
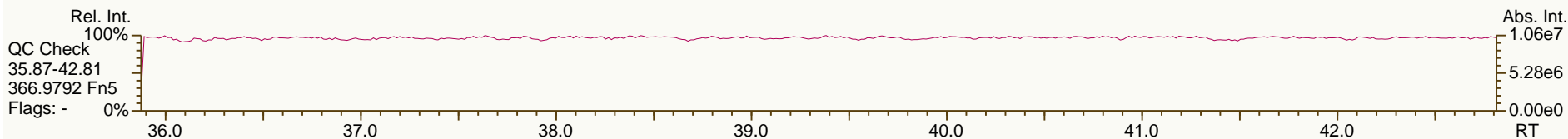
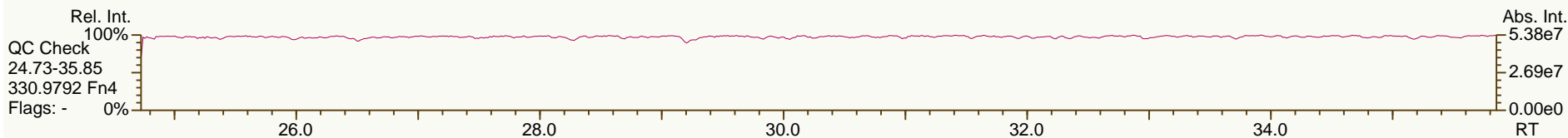
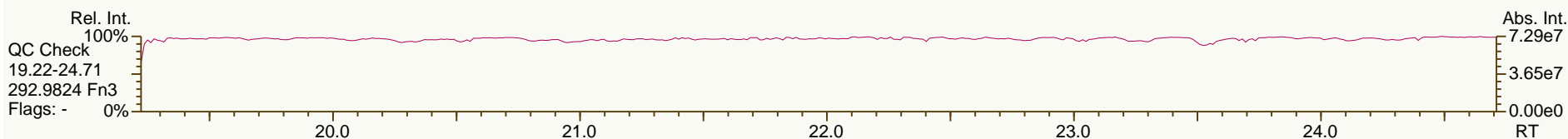
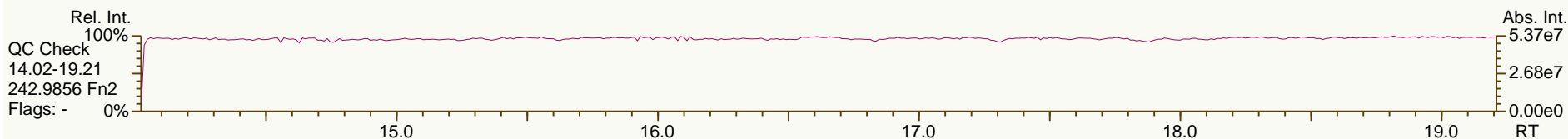
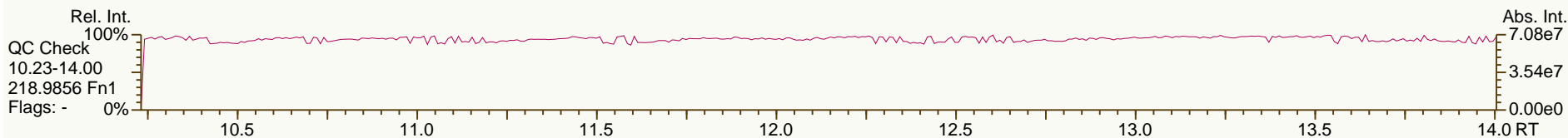
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.04	7.24E+08	0.62 Y	0.95	0.96	1.6%	
PCB-82 22'33'4-PeCB	30.22	4.82E+08	0.61 Y	0.62	0.64	4.1%	
PCB-111 233'55'-PeCB	30.59	7.70E+08	0.62 Y	0.98	1.03	4.1%	
PCB-120 23'455'-PeCB	30.98	7.71E+08	0.61 Y	0.99	1.03	3.3%	
PCB-107/124 233'4'5-/2'3455'	31.93	1.46E+09	0.62 Y	0.92	0.97	5.5%	
PCB-109 233'46-PeCB	32.13	8.05E+08	0.61 Y	1.00	1.07	7.7%	
PCB-106 233'45-PeCB	32.33	7.34E+08	0.62 Y	0.96	0.98	1.5%	
PCB-122 2'33'45-PeCB	32.79	6.75E+08	0.62 Y	0.93	0.97	5.2%	
PCB-127 33'455'-PeCB	34.76	7.40E+08	0.62 Y	1.04	1.07	3.1%	
PCB-155 22'44'66'-HxCB	28.12	8.78E+08	1.27 Y	1.06	1.11	5.5%	
PCB-152 22'3566'-HxCB	28.25	8.32E+08	1.27 Y	0.98	1.05	7.4%	
PCB-150 22'34'66'-HxCB	28.40	8.25E+08	1.26 Y	0.99	1.05	6.1%	
PCB-136 22'33'66'-HxCB	28.69	7.88E+08	1.26 Y	0.92	1.00	8.7%	
PCB-145 22'3466'HxCB	28.96	7.92E+08	1.26 Y	0.94	1.00	7.0%	
PCB-148 22'34'56'-HxCB	30.26	6.11E+08	1.27 Y	0.95	0.99	4.7%	
PCB-151/135 22'355'6-/22'33'	30.77	1.20E+09	1.26 Y	0.92	0.97	6.0%	
PCB-154 22'44'5'6-HxCB	30.99	6.74E+08	1.26 Y	1.01	1.09	7.8%	
PCB-144 22'345'6-HxCB	31.24	6.14E+08	1.26 Y	0.93	1.00	7.0%	
PCB-147/149 22'34'56-/22'34'	31.54	1.23E+09	1.24 Y	0.94	1.00	6.7%	
PCB-134 22'33'56-HxCB	31.70	5.38E+08	1.26 Y	0.78	0.87	11.2%	
PCB-143 22'3456'-HxCB	31.78	5.70E+08	1.26 Y	0.90	0.93	3.3%	
PCB-139/140 22'344'6-/22'344'	32.05	1.26E+09	1.25 Y	0.95	1.02	7.3%	
PCB-131 22'33'46-HxCB	32.21	5.50E+08	1.26 Y	0.84	0.89	6.7%	
PCB-142 22'3456-HxCB	32.35	5.67E+08	1.27 Y	0.87	0.92	5.7%	
PCB-132 22'33'46'-HxCB	32.59	5.60E+08	1.27 Y	0.88	0.91	3.8%	
PCB-133 22'33'55'-HxCB	33.04	5.76E+08	1.27 Y	0.89	0.93	5.0%	
PCB-165 233'55'6-HxCB	33.38	6.89E+08	1.27 Y	1.06	1.12	5.1%	
PCB-146 22'34'55'-HxCB	33.59	6.06E+08	1.27 Y	0.94	0.98	4.2%	
PCB-161 233'45'6-HxCB	33.70	7.83E+08	1.27 Y	1.20	1.27	6.0%	
PCB-153/168 22'44'55'-/23'44'	34.13	1.47E+09	1.26 Y	1.15	1.19	4.1%	
PCB-141 22'3455'-HxCB	34.26	5.91E+08	1.27 Y	0.91	0.96	5.0%	
PCB-130 22'33'45'-HxCB	34.60	5.33E+08	1.26 Y	0.82	0.86	5.2%	
PCB-137 22'344'5-HxCB	34.80	6.27E+08	1.26 Y	1.00	1.02	1.3%	
PCB-164 233'4'5'6-HxCB	34.88	7.81E+08	1.27 Y	1.14	1.27	11.4%	
PCB-163/138/129 233'4'56-/22'	35.17	1.92E+09	1.27 Y	0.98	1.04	5.5%	
PCB-160 233'456-HxCB	35.30	7.33E+08	1.27 Y	1.14	1.19	4.1%	
PCB-158 233'44'6-HxCB	35.49	8.10E+08	1.28 Y	1.24	1.31	5.7%	
PCB-128/166 22'33'44'-/2344'5	36.21	1.20E+09	1.25 Y	0.86	0.94	9.0%	
PCB-159 233'455'-HxCB	37.06	7.01E+08	1.25 Y	1.03	1.10	6.9%	
PCB-162 233'4'55'-HxCB	37.30	7.25E+08	1.24 Y	1.04	1.14	9.3%	
PCB-188 22'34'566'-HpCB	32.97	8.25E+08	1.06 Y	1.07	1.13	5.6%	
PCB-179 22'33'566'-HpCB	33.24	7.72E+08	1.07 Y	0.98	1.05	7.8%	
PCB-184 22'344'66'-HpCB	33.71	7.44E+08	1.06 Y	0.97	1.02	4.5%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:49		
Lab ID:	CS5_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	8.38E+08	1.06 Y	1.06	1.14	7.4%	
PCB-186 22'34566'-HpCB	34.37	7.98E+08	1.05 Y	1.02	1.09	7.2%	
PCB-178 22'33'55'6'-HpCB	35.54	6.00E+08	1.06 Y	0.77	0.82	6.2%	
PCB-175 22'33'45'6'-HpCB	36.09	5.57E+08	1.07 Y	0.89	0.96	7.2%	
PCB-187 22'34'55'6'-HpCB	36.31	5.69E+08	1.03 Y	0.94	0.98	4.5%	
PCB-182 22'344'56'-HpCB	36.49	5.91E+08	1.05 Y	0.95	1.02	6.9%	
PCB-183 22'344'5'6'-HpCB	36.83	5.85E+08	1.06 Y	0.96	1.01	5.1%	
PCB-185 22'3455'6'-HpCB	36.90	5.84E+08	1.07 Y	0.93	1.00	7.9%	
PCB-174 22'33'456'-HpCB	37.02	5.11E+08	1.07 Y	0.80	0.88	9.6%	
PCB-177 22'33'4'56'-HpCB	37.39	5.09E+08	1.04 Y	0.82	0.87	7.1%	
PCB-181 22'344'56'-HpCB	37.74	5.90E+08	1.03 Y	0.91	1.01	10.9%	
PCB-171/173 22'33'44'6'-/22'3	37.91	1.03E+09	1.05 Y	0.81	0.89	9.0%	
PCB-172 22'33'455'-HpCB	39.30	5.16E+08	1.02 Y	0.83	0.89	7.2%	
PCB-192 233'455'6'-HpCB	39.54	6.68E+08	1.05 Y	1.09	1.15	5.0%	
PCB-180/193 22'344'55'-/233'	39.82	1.24E+09	1.05 Y	1.01	1.06	4.8%	
PCB-191 233'44'5'6'-HpCB	40.15	6.92E+08	1.07 Y	1.13	1.19	5.0%	
PCB-170 22'33'44'5'-HpCB	40.90	5.26E+08	1.04 Y	1.00	1.08	8.2%	
PCB-190 233'44'56'-HpCB	41.35	7.06E+08	1.04 Y	1.35	1.45	7.3%	
PCB-202 22'33'55'66'-OcCB	37.51	6.03E+08	0.89 Y	0.83	0.85	3.3%	
PCB-201 22'33'45'66'-OcCB	38.29	6.79E+08	0.89 Y	0.93	0.96	3.9%	
PCB-204 22'344'566'-OcCB	38.87	6.47E+08	0.88 Y	0.89	0.92	2.8%	
PCB-197 22'33'44'66'-OcCB	39.06	7.08E+08	0.88 Y	0.91	1.00	9.8%	
PCB-200 22'33'4566'-OcCB	39.13	6.40E+08	0.89 Y	0.93	0.91	-2.3%	
PCB-198/199 22'33'455'6'-/22'	41.49	9.95E+08	0.88 Y	0.68	0.70	3.1%	
PCB-196 22'33'44'56'-OcCB	42.06	5.21E+08	0.86 Y	0.72	0.74	2.9%	
PCB-203 22'344'55'6'-OcCB	42.23	5.47E+08	0.88 Y	0.74	0.77	5.2%	
PCB-195 22'33'44'56'-OcCB	43.34	4.22E+08	0.89 Y	0.81	0.85	4.4%	
PCB-194 22'33'44'55'-OcCB	45.31	4.61E+08	0.89 Y	0.86	0.92	7.7%	
PCB-205 233'44'55'6'-OcCB	45.71	5.72E+08	0.90 Y	1.09	1.15	5.0%	
PCB-208 22'33'455'66'-NoCB	43.15	5.44E+08	0.78 Y	0.98	1.03	5.2%	
PCB-207 22'33'44'566'-NoCB	43.93	5.65E+08	0.77 Y	1.02	1.07	5.2%	
PCB-206 22'33'44'55'6'-NoCB	47.18	4.12E+08	0.80 Y	0.93	0.97	4.1%	

AP Lab ID: CS5_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

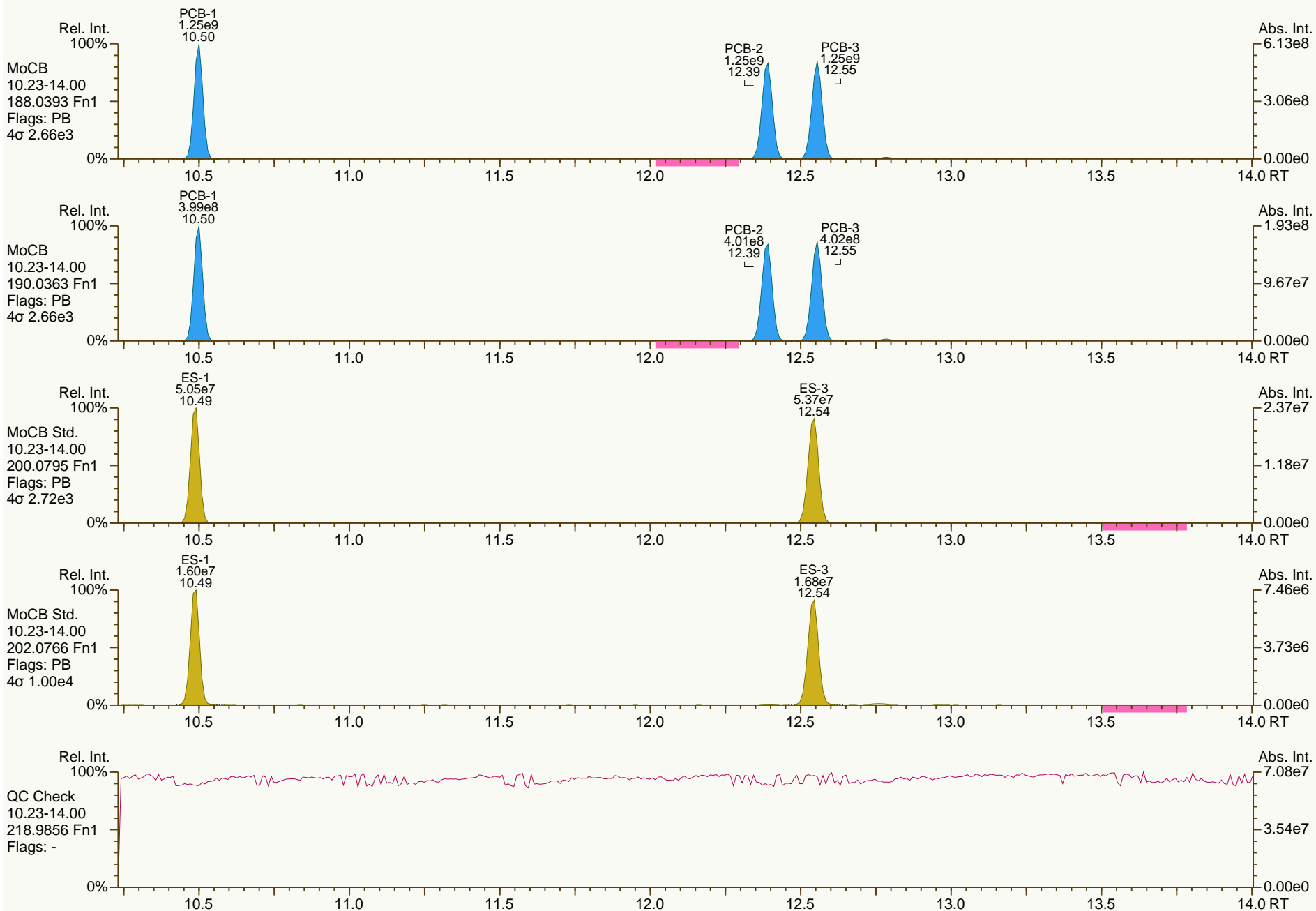
Acq: 26-Jan-2012 20:44:52
User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

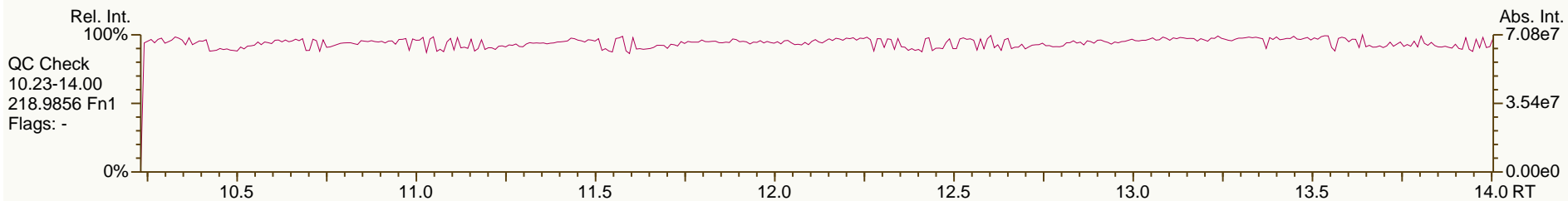
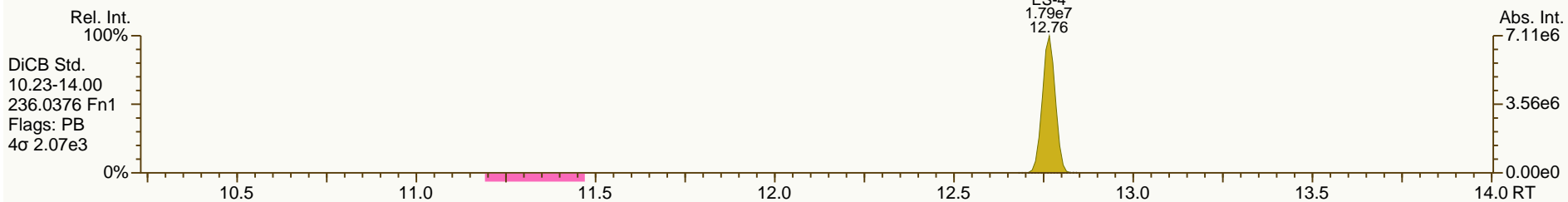
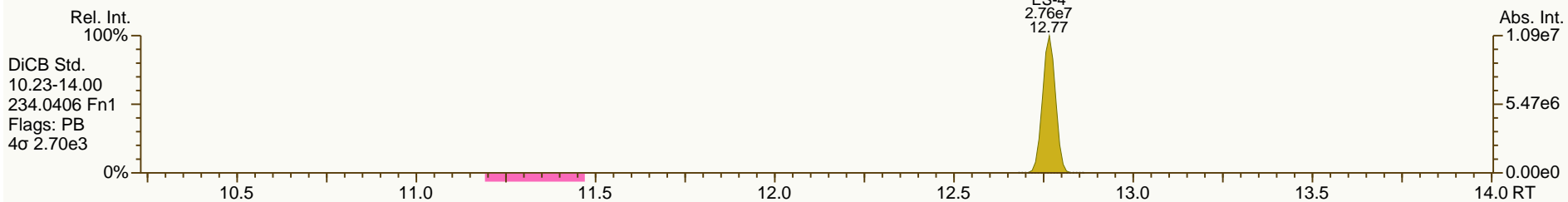
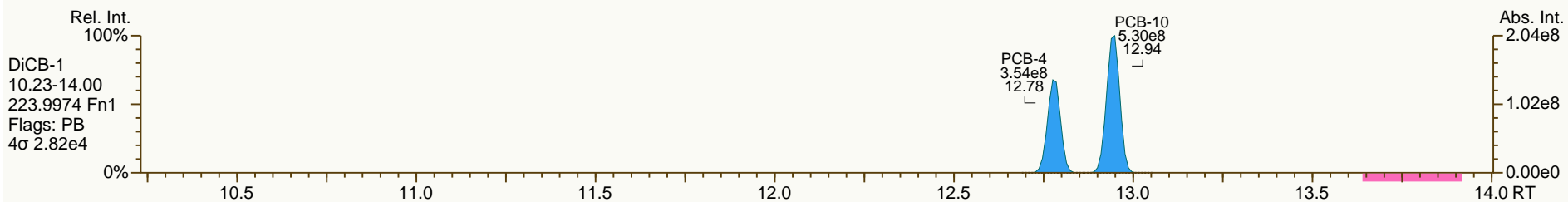
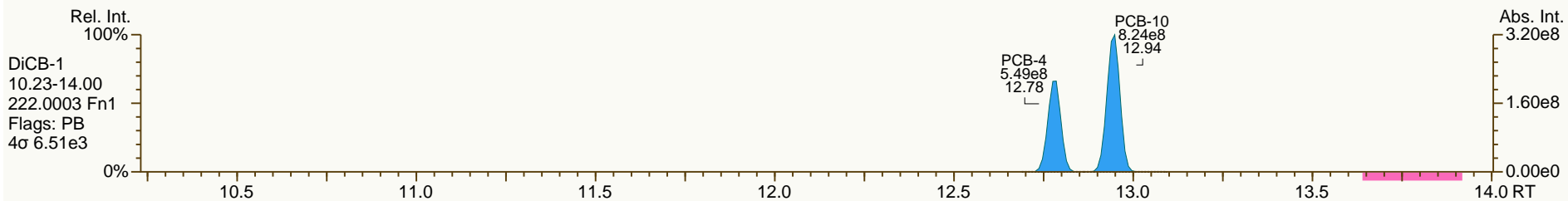
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

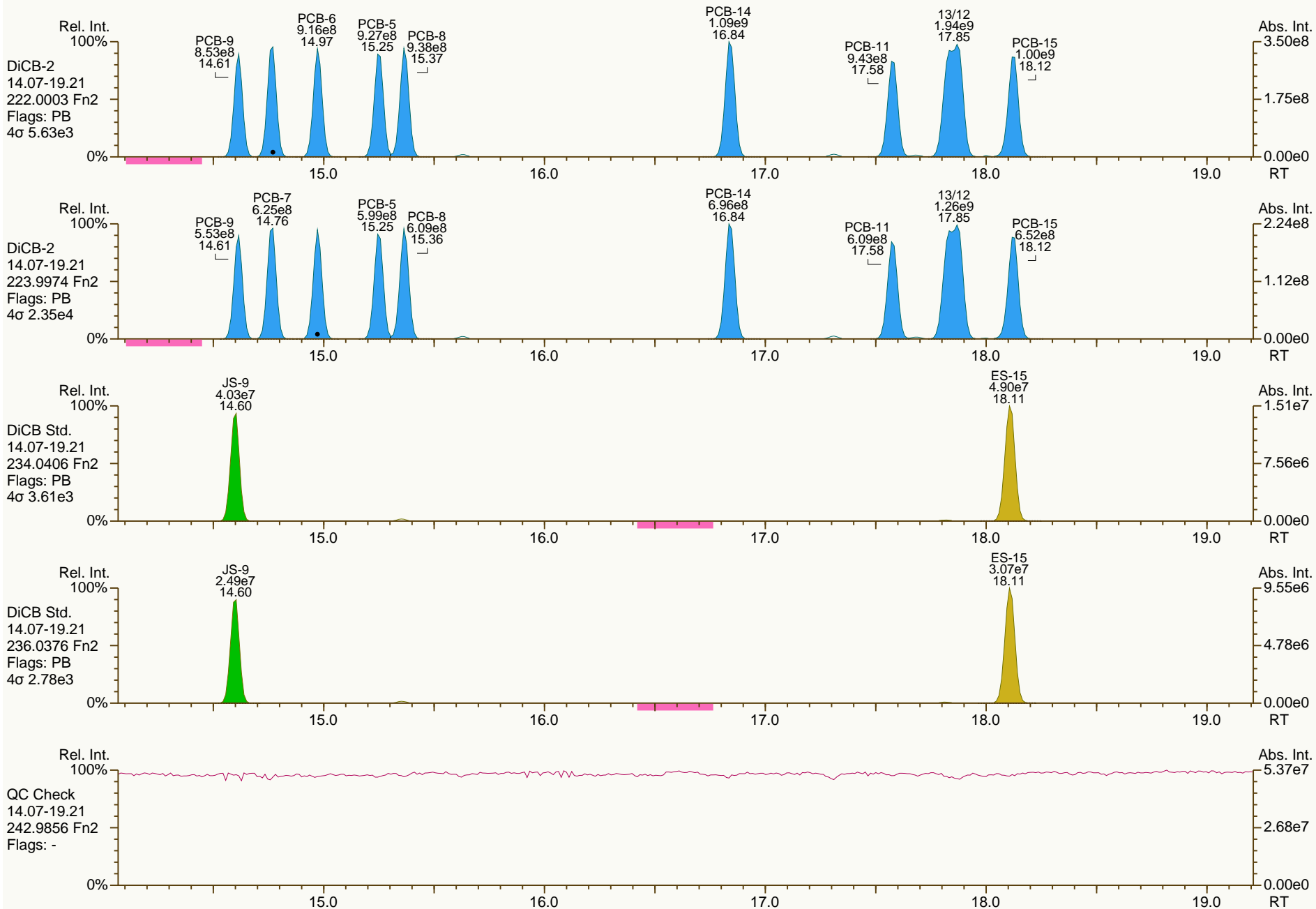
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

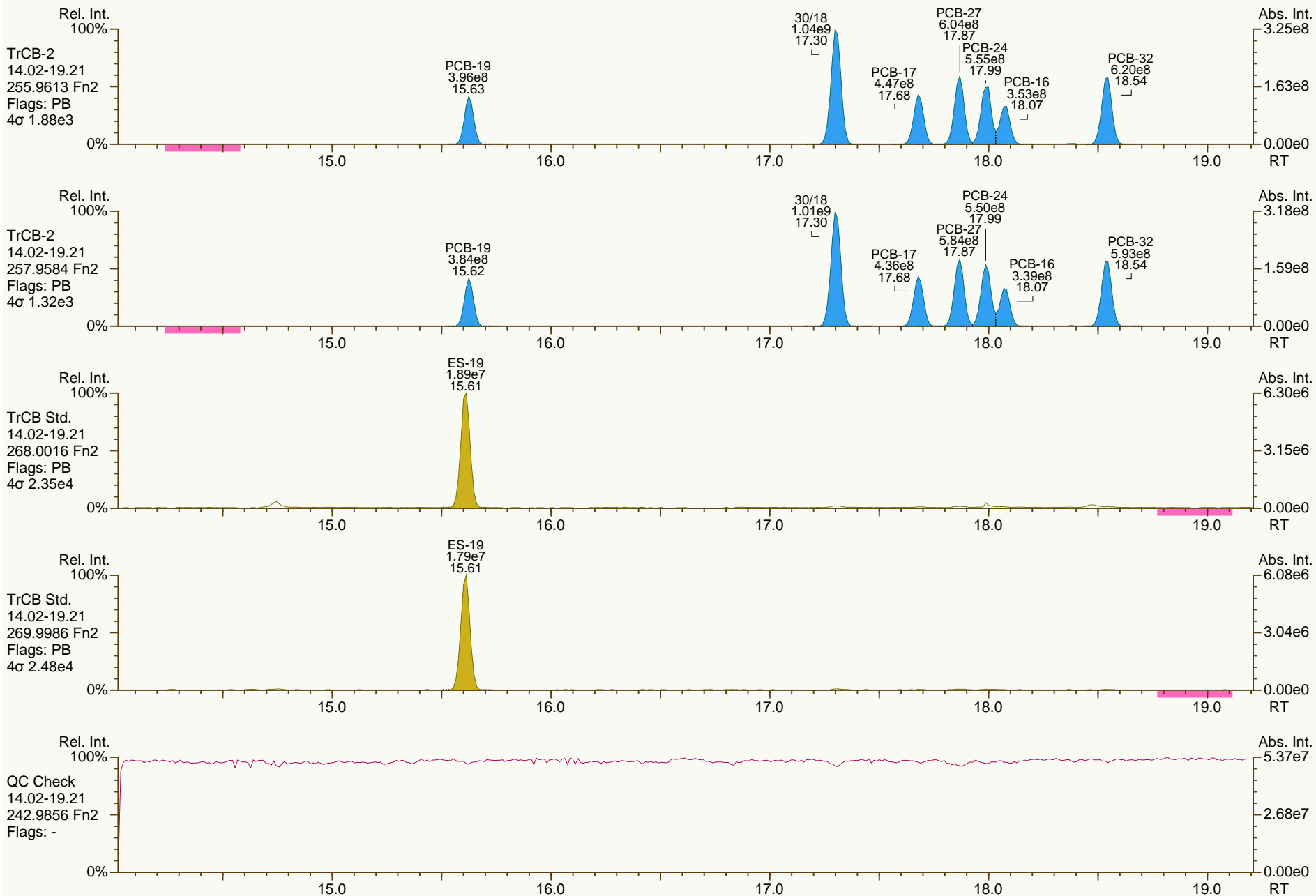
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

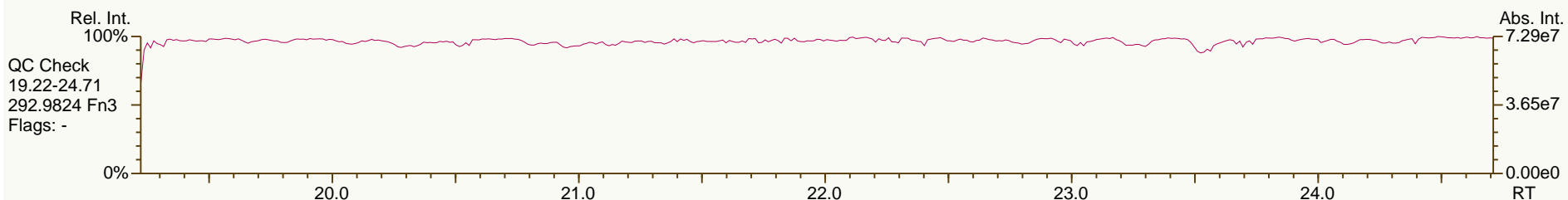
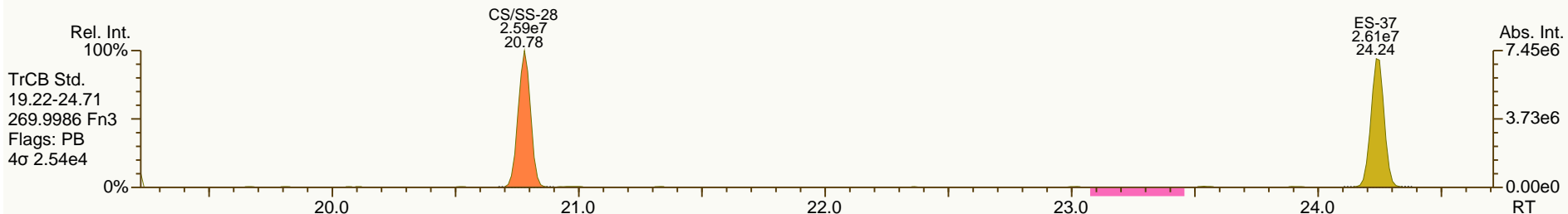
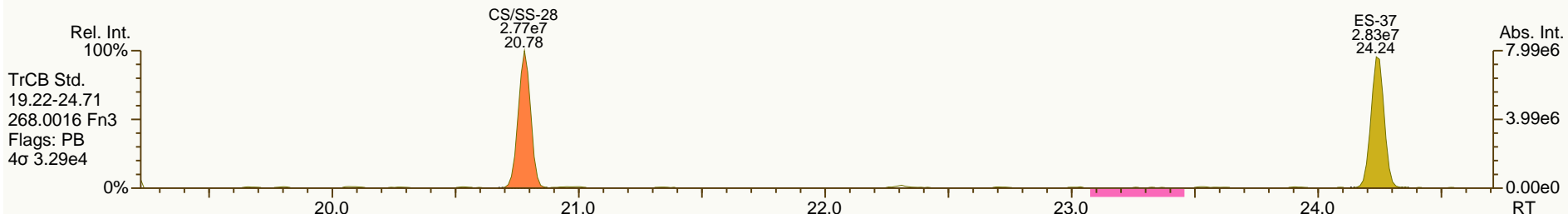
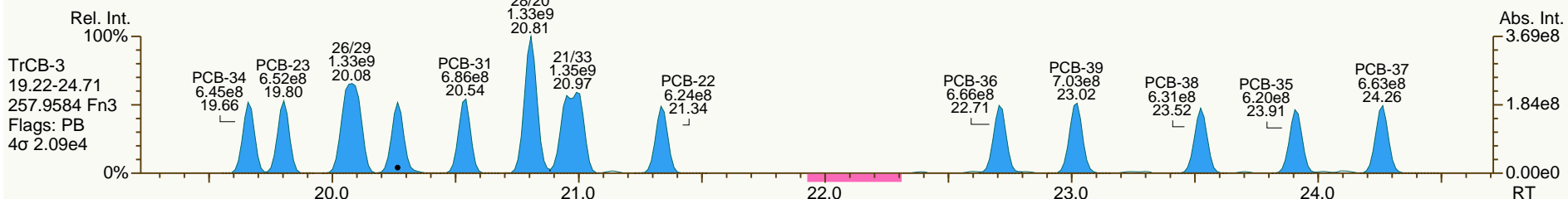
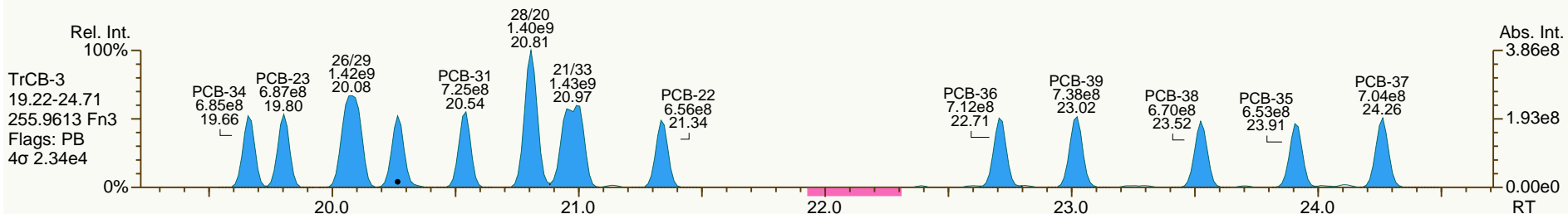
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

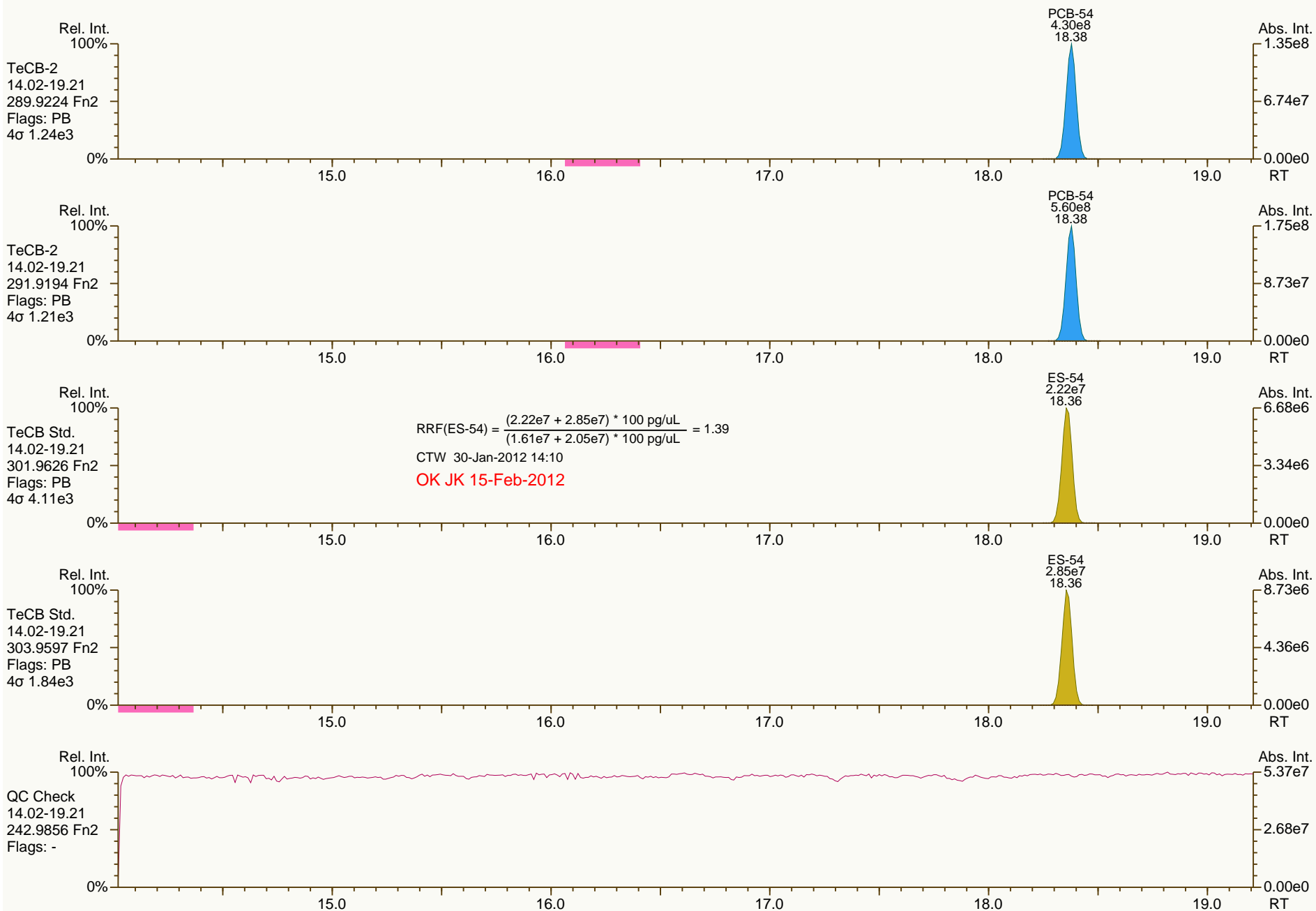
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

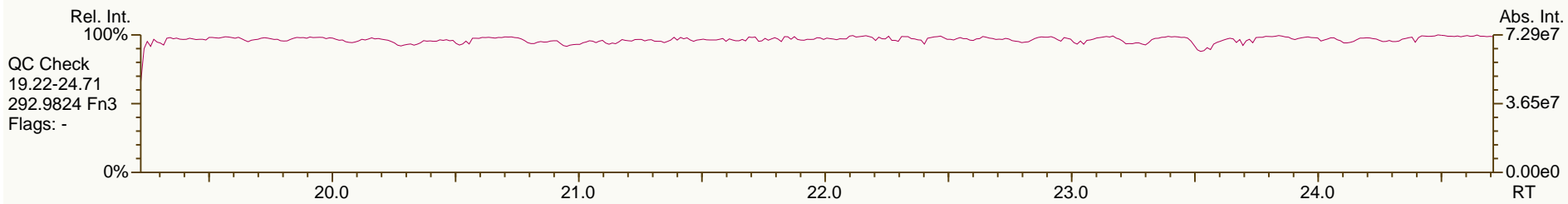
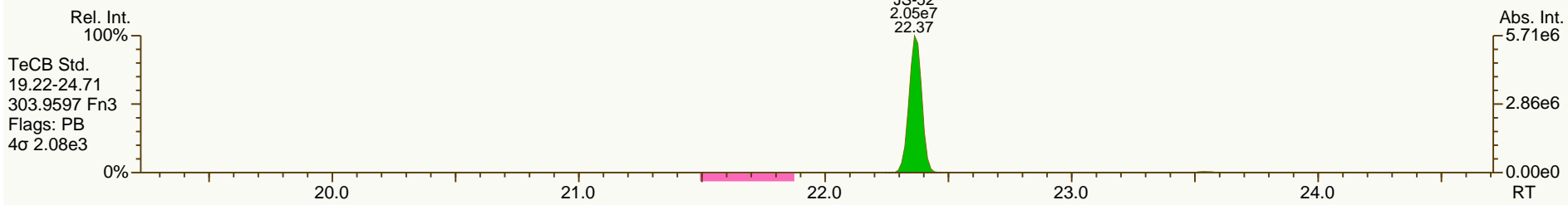
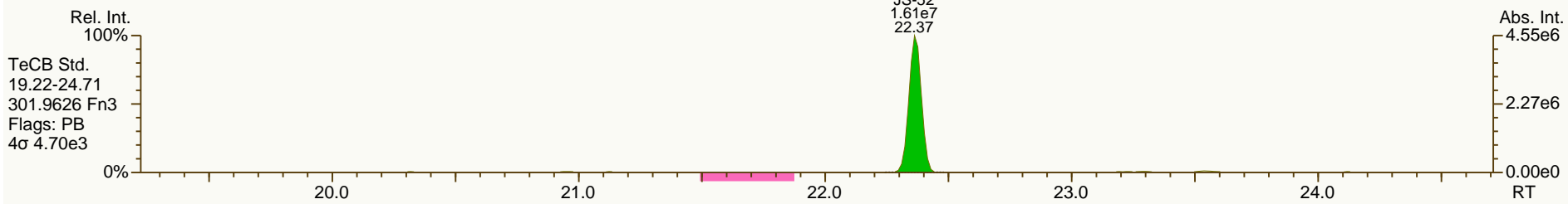
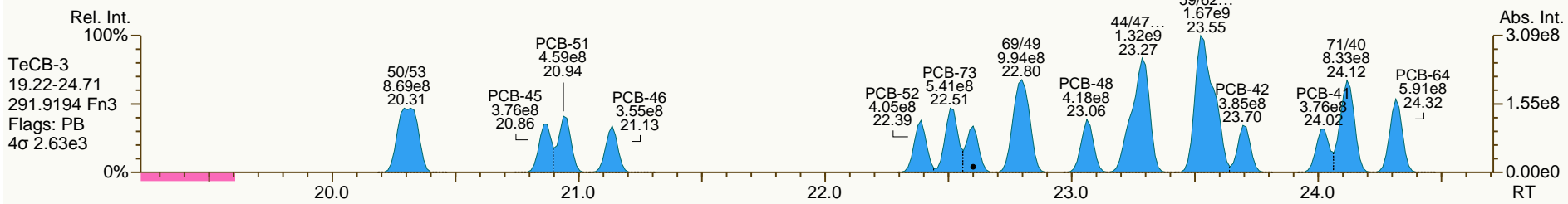
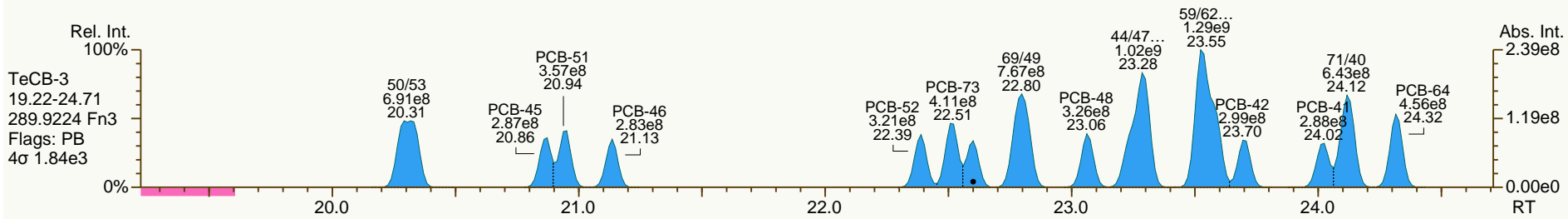
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

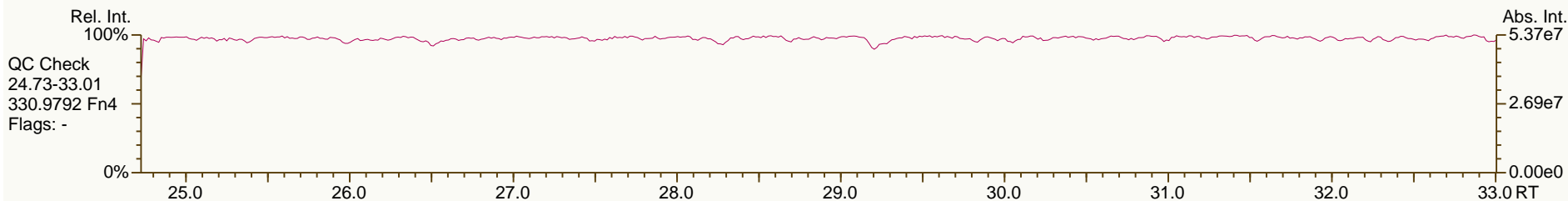
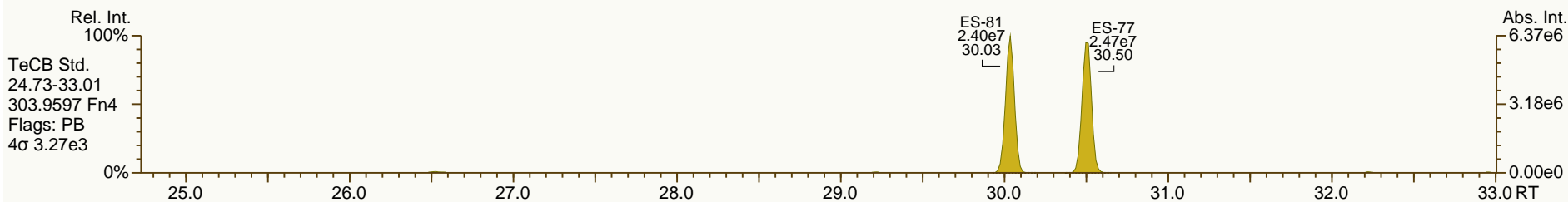
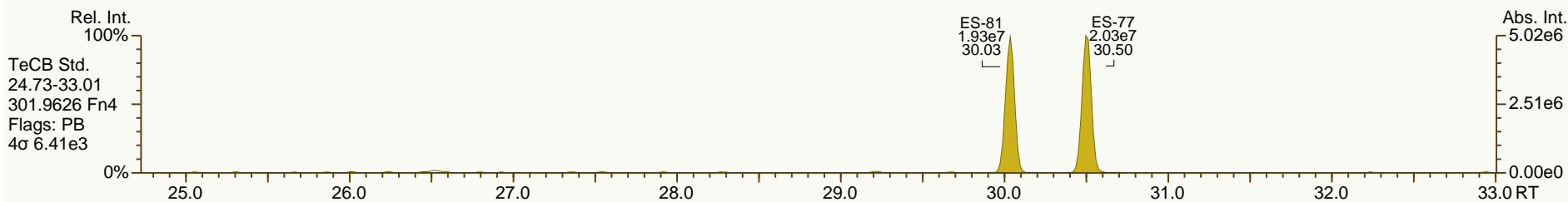
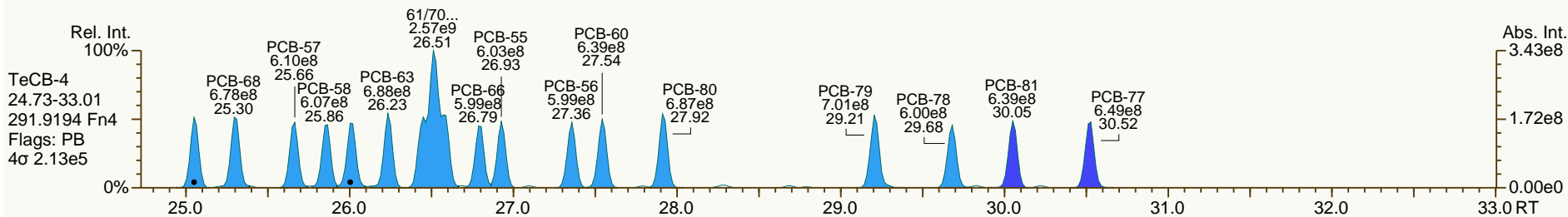
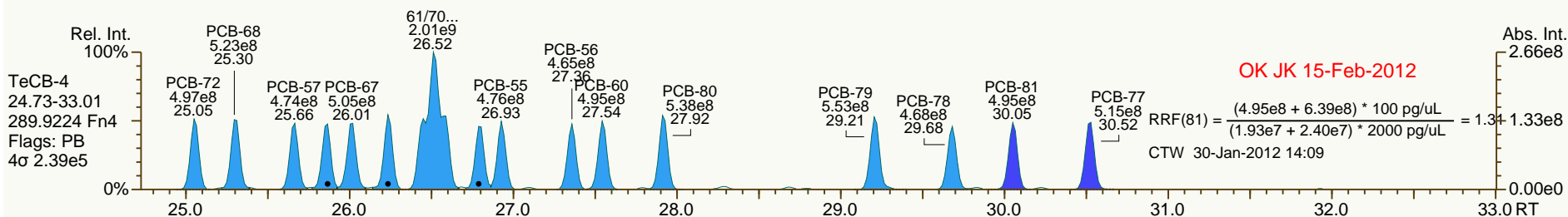
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

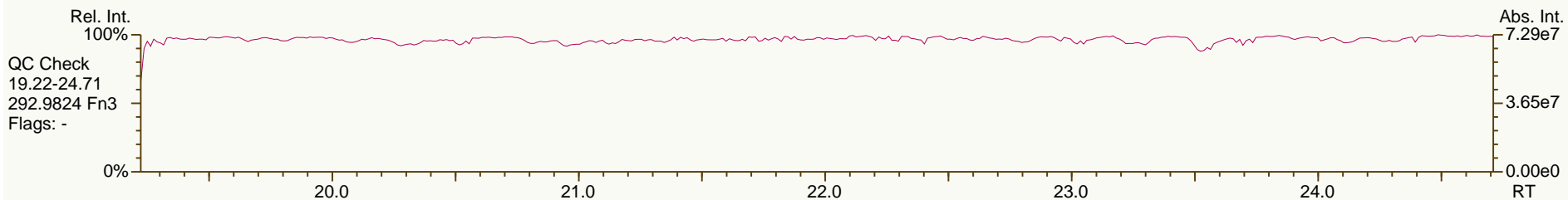
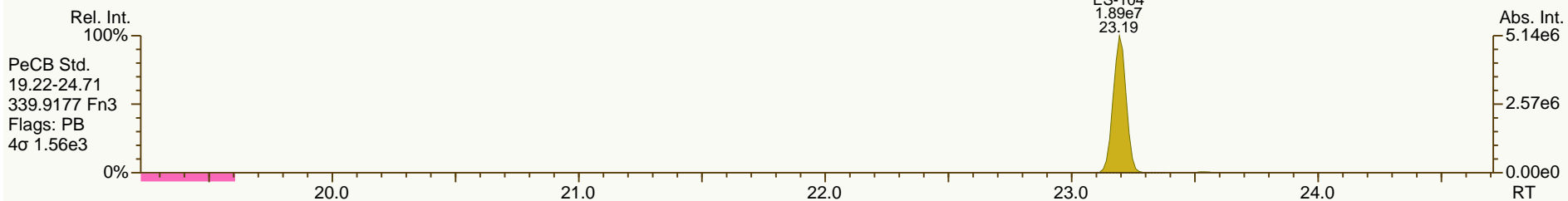
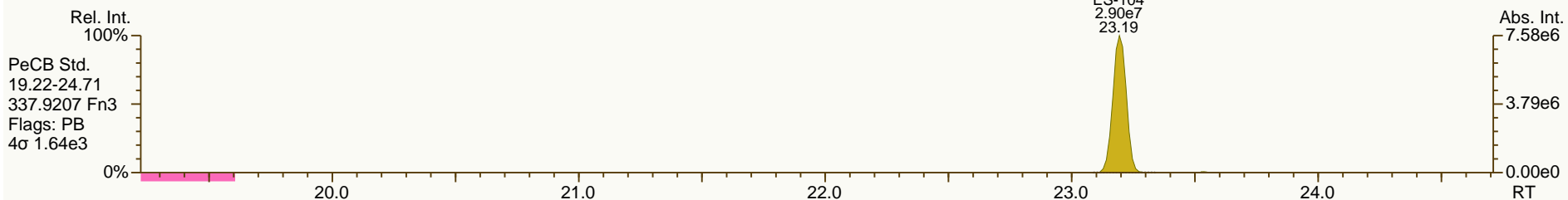
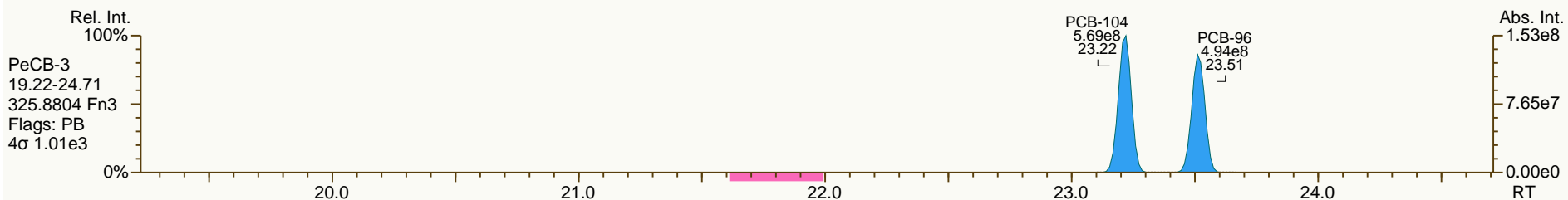
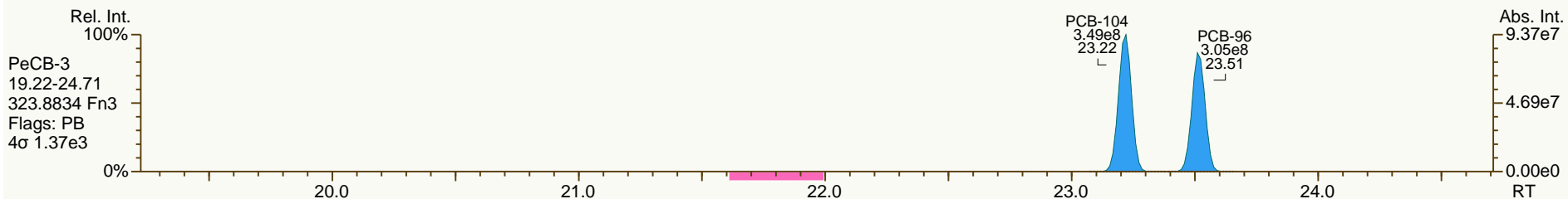
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

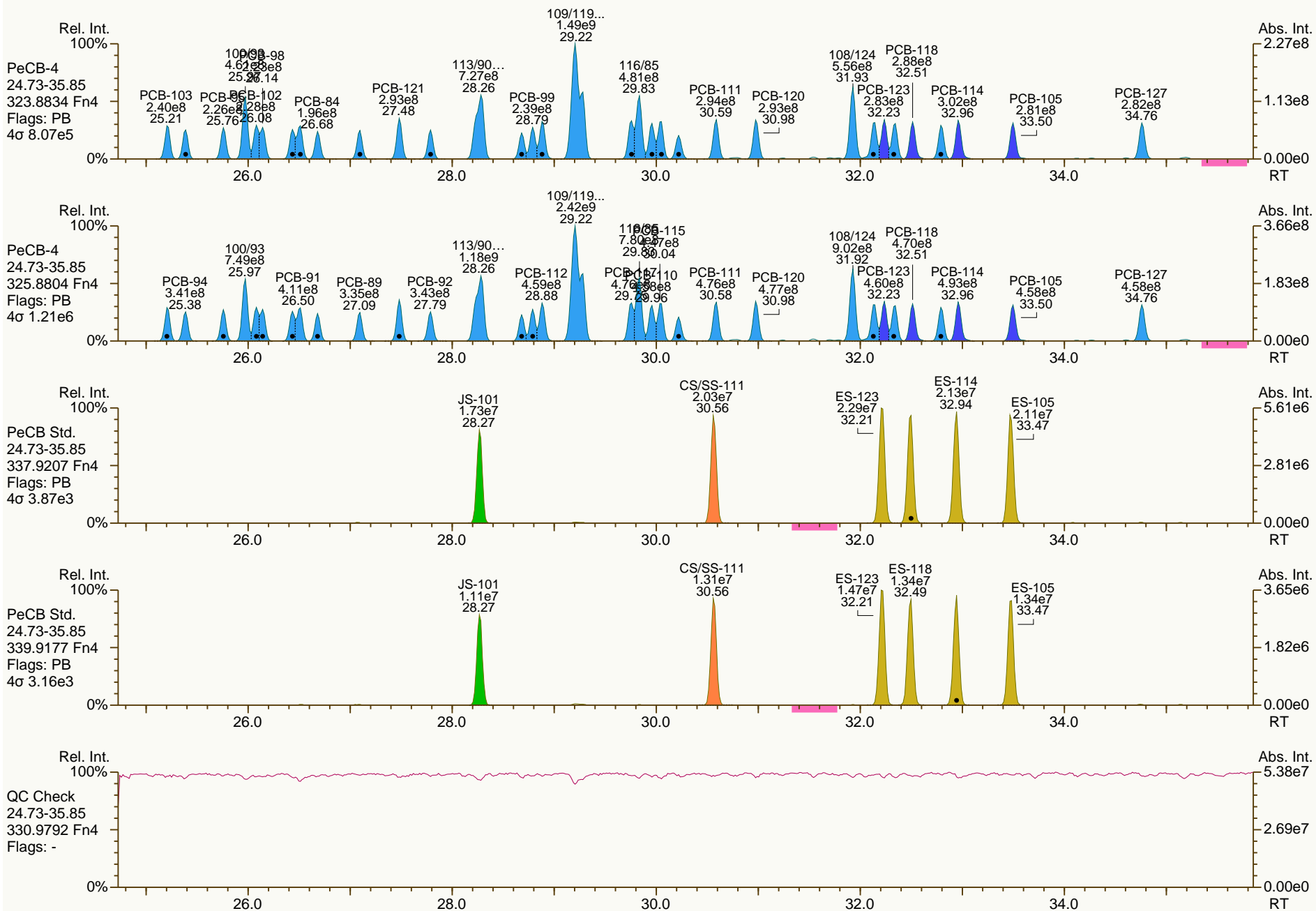
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

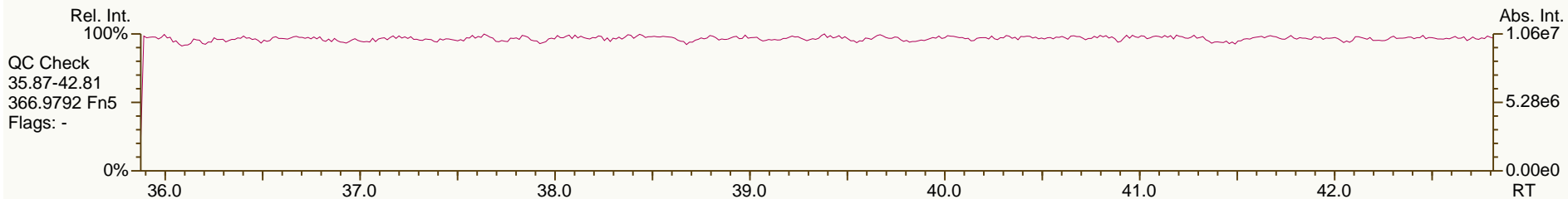
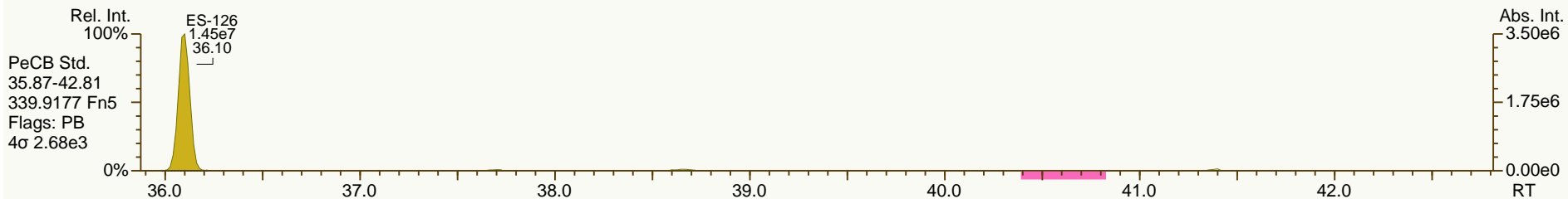
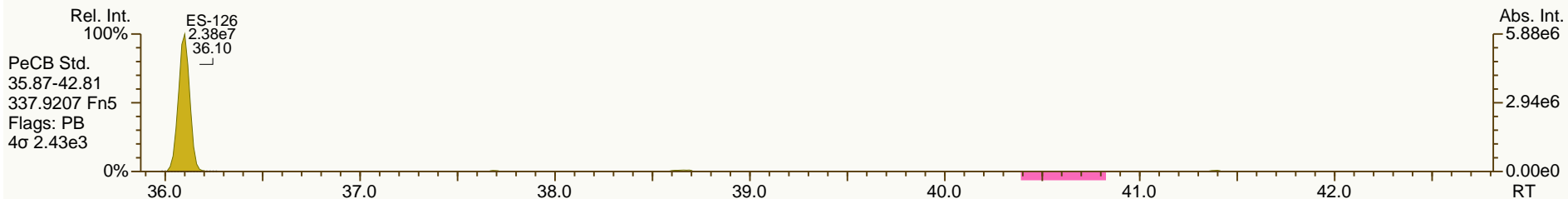
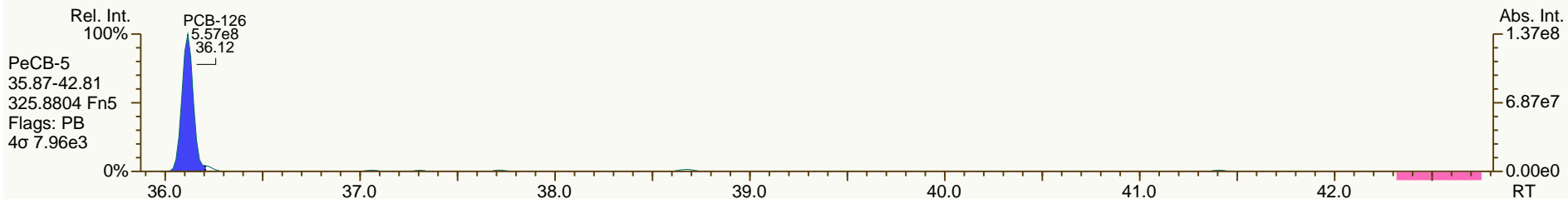
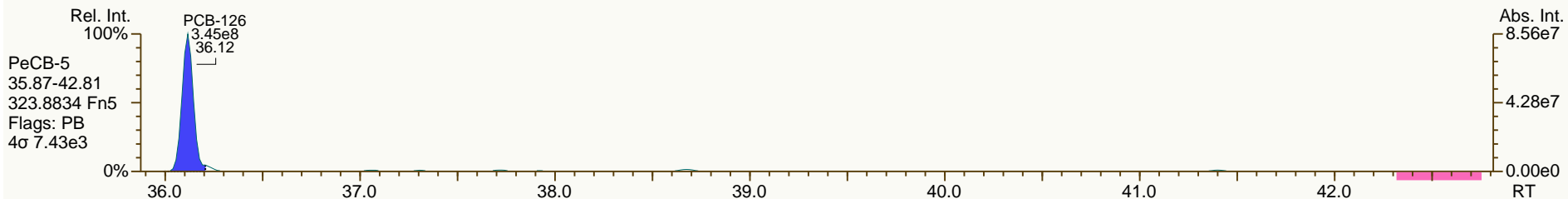
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

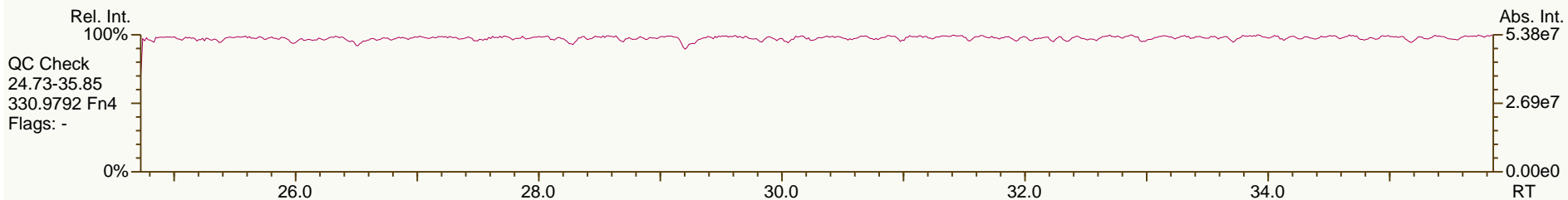
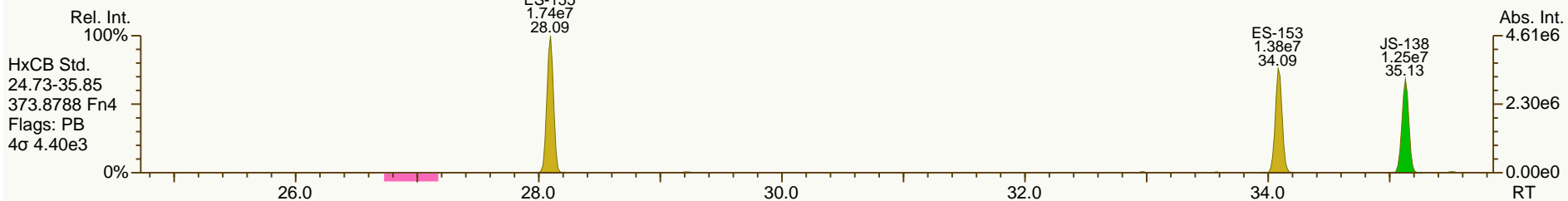
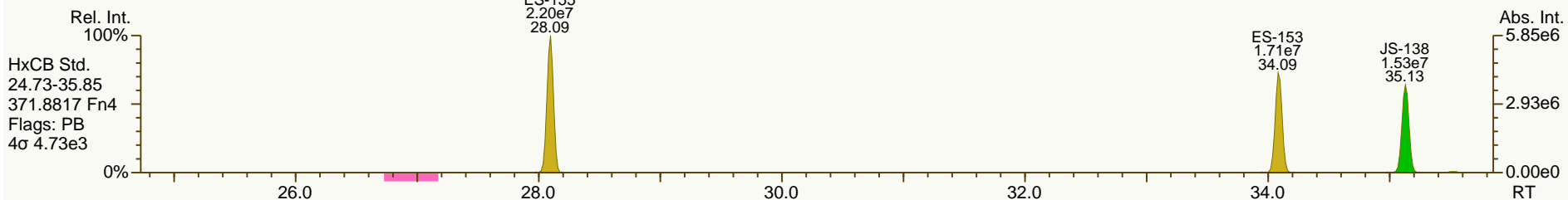
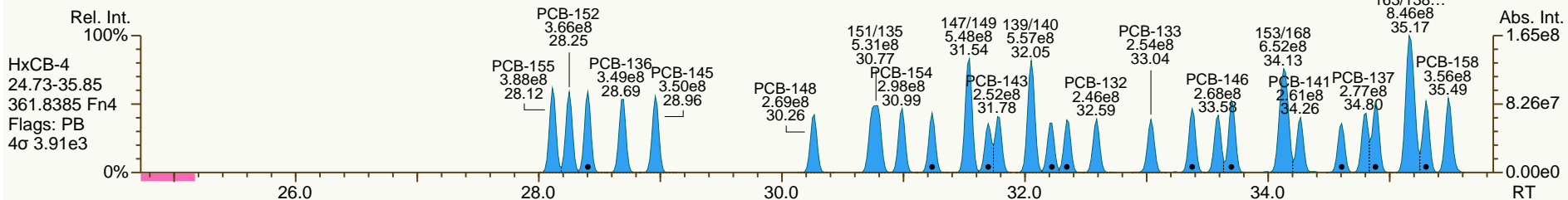
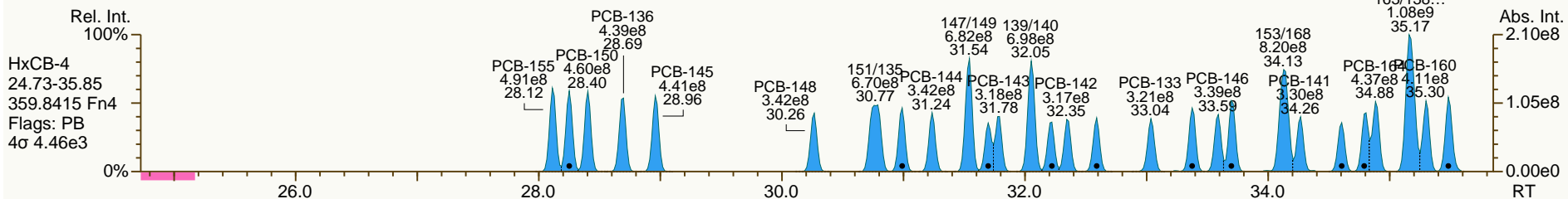
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

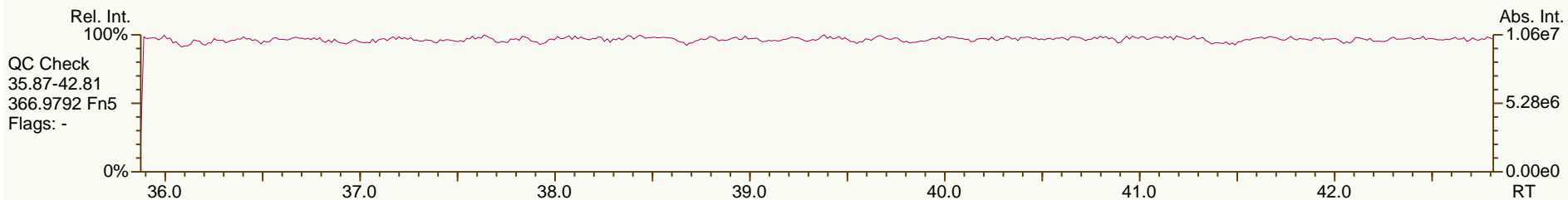
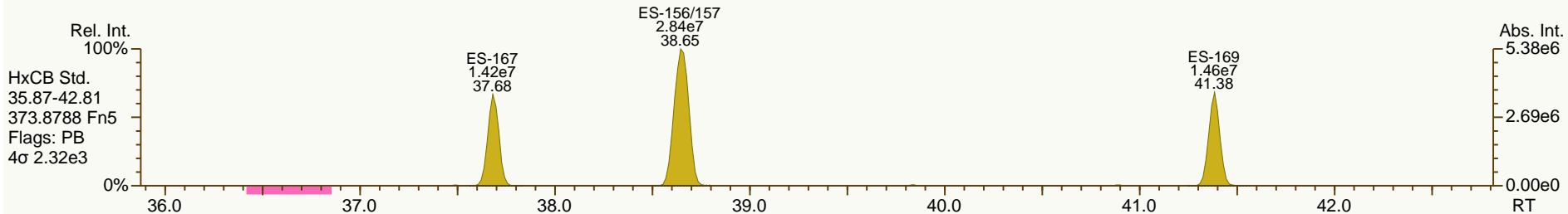
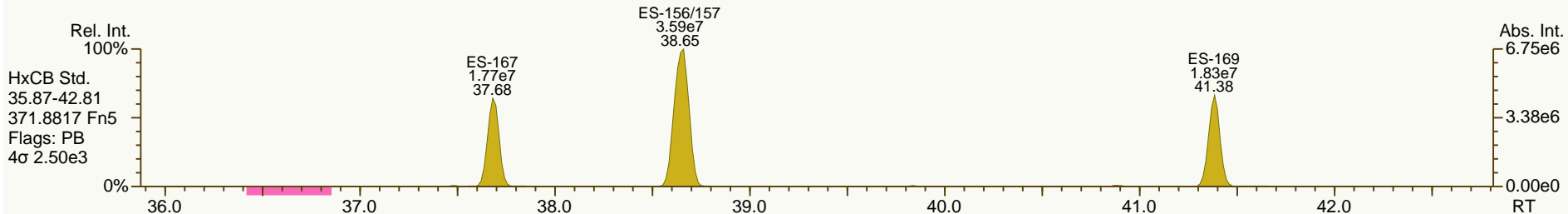
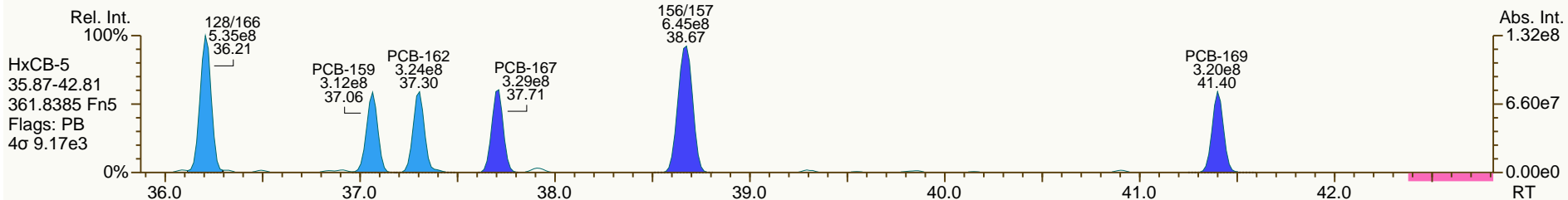
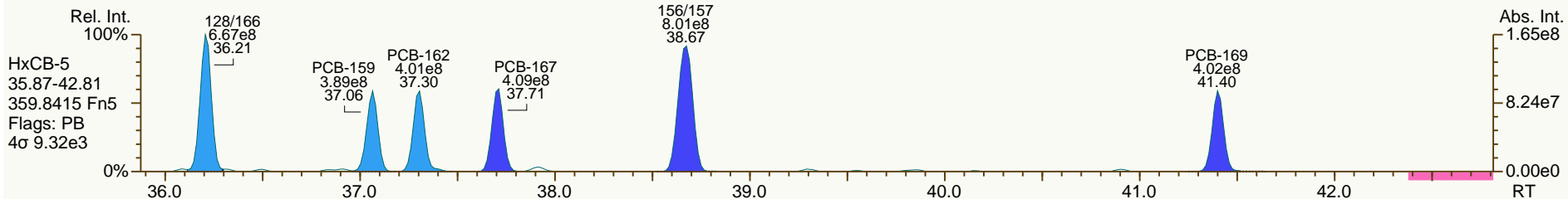
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

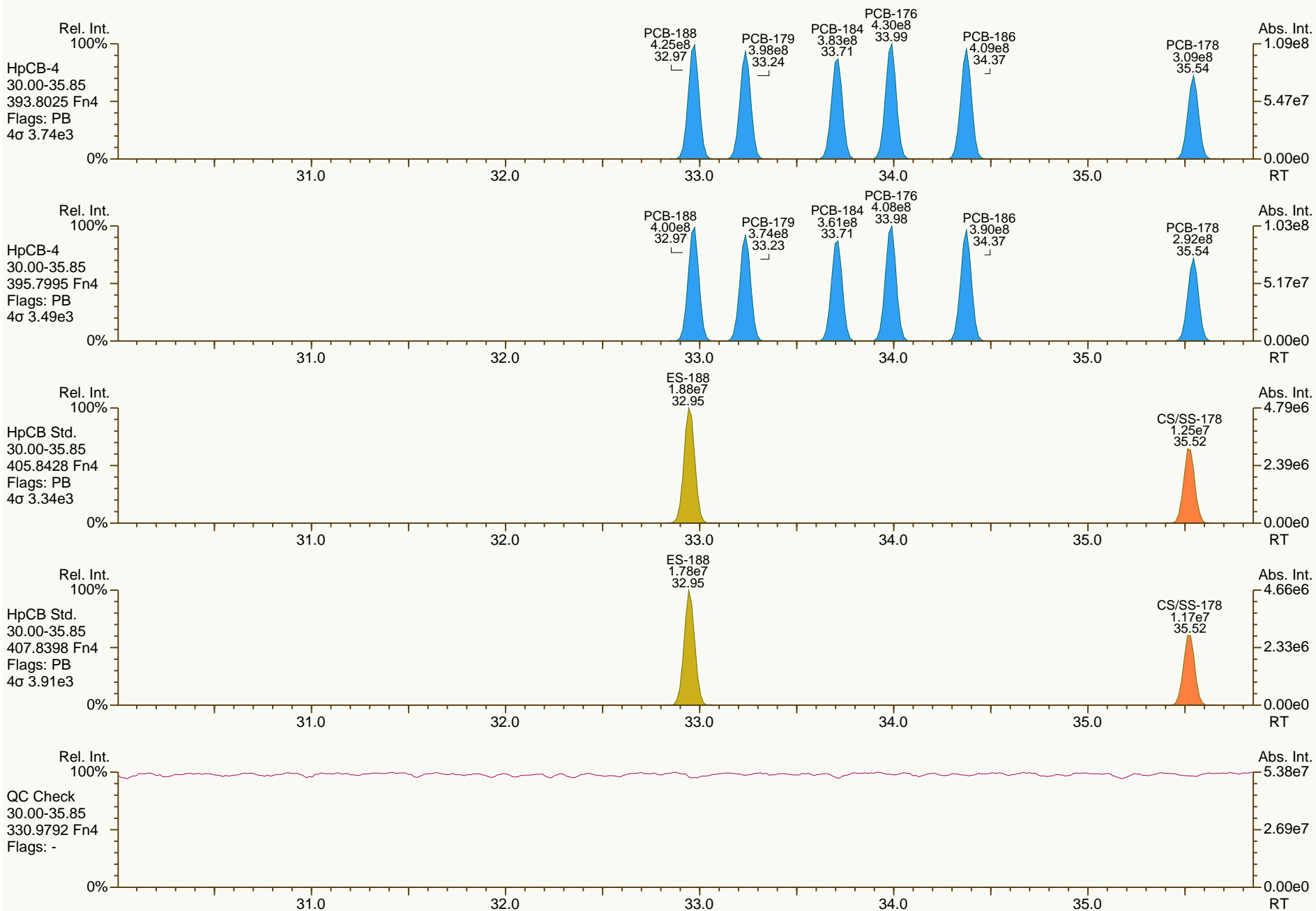
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

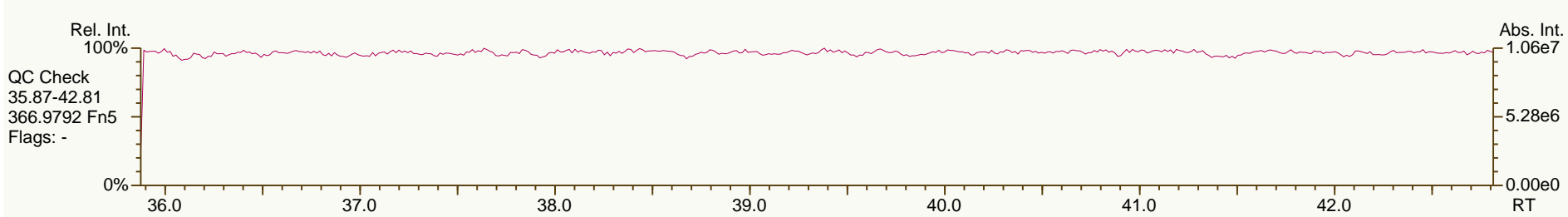
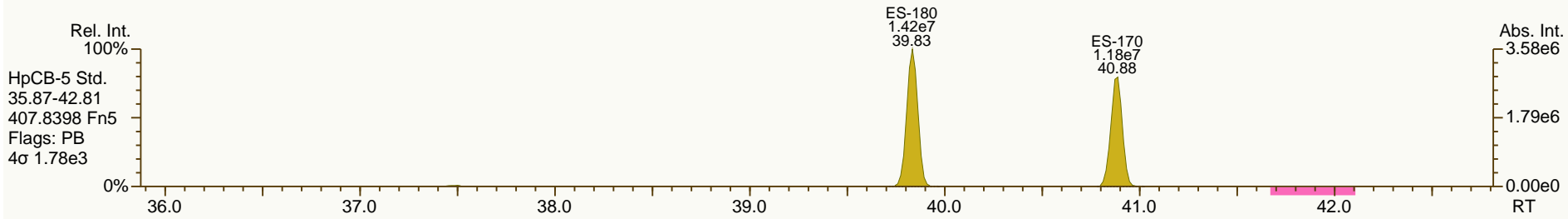
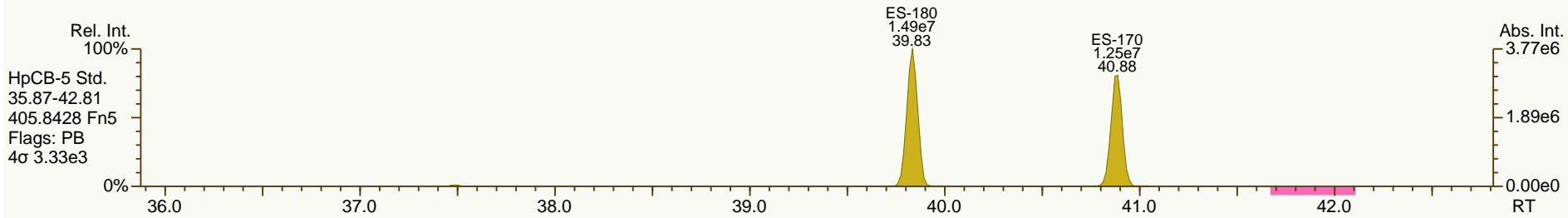
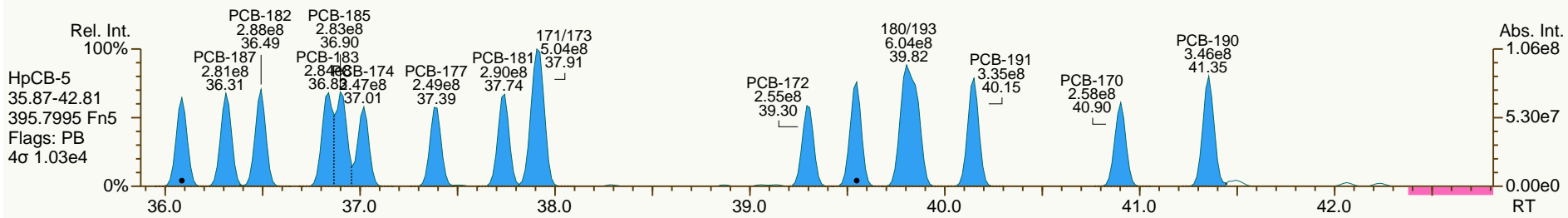
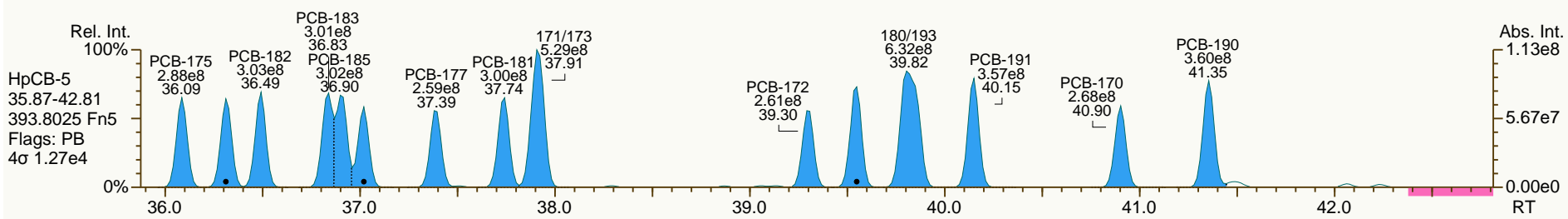
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

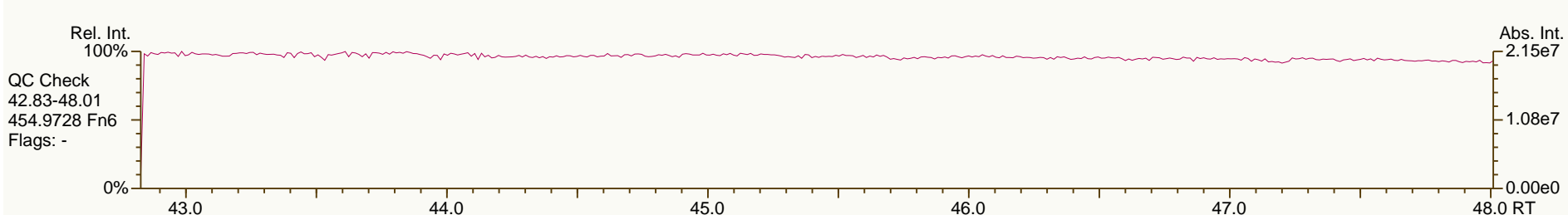
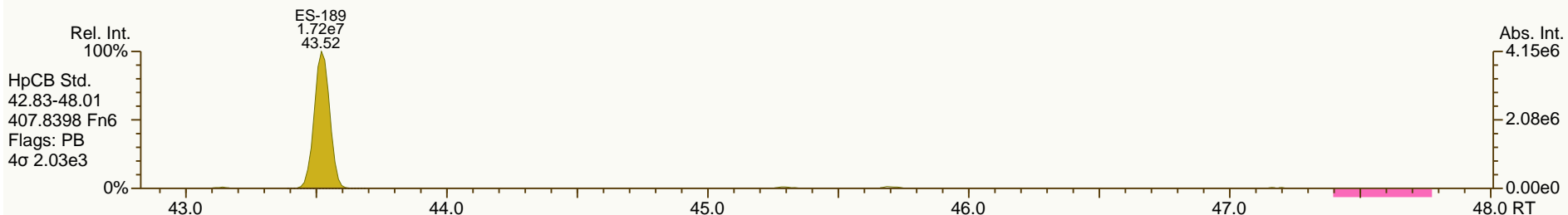
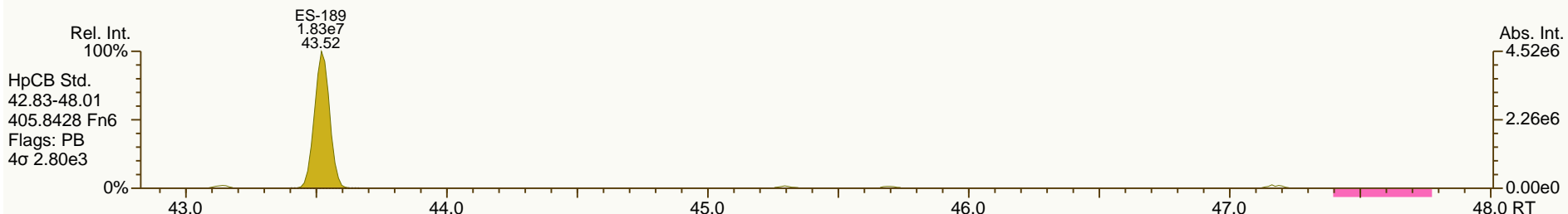
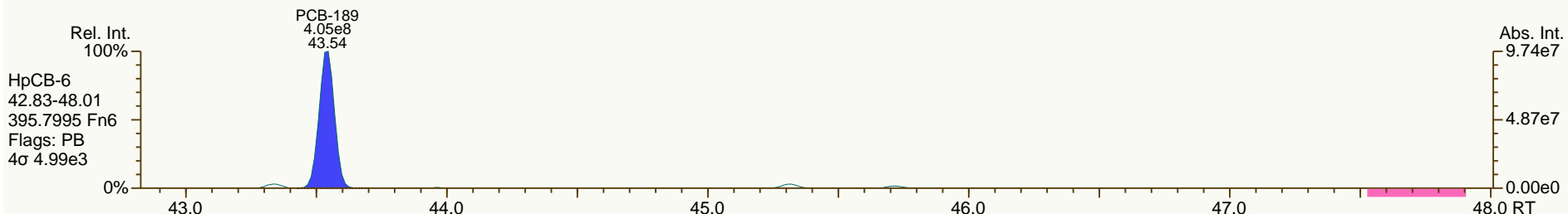
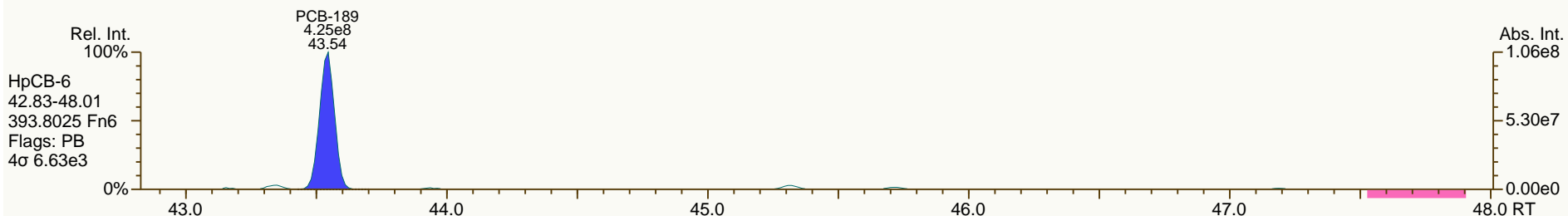
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

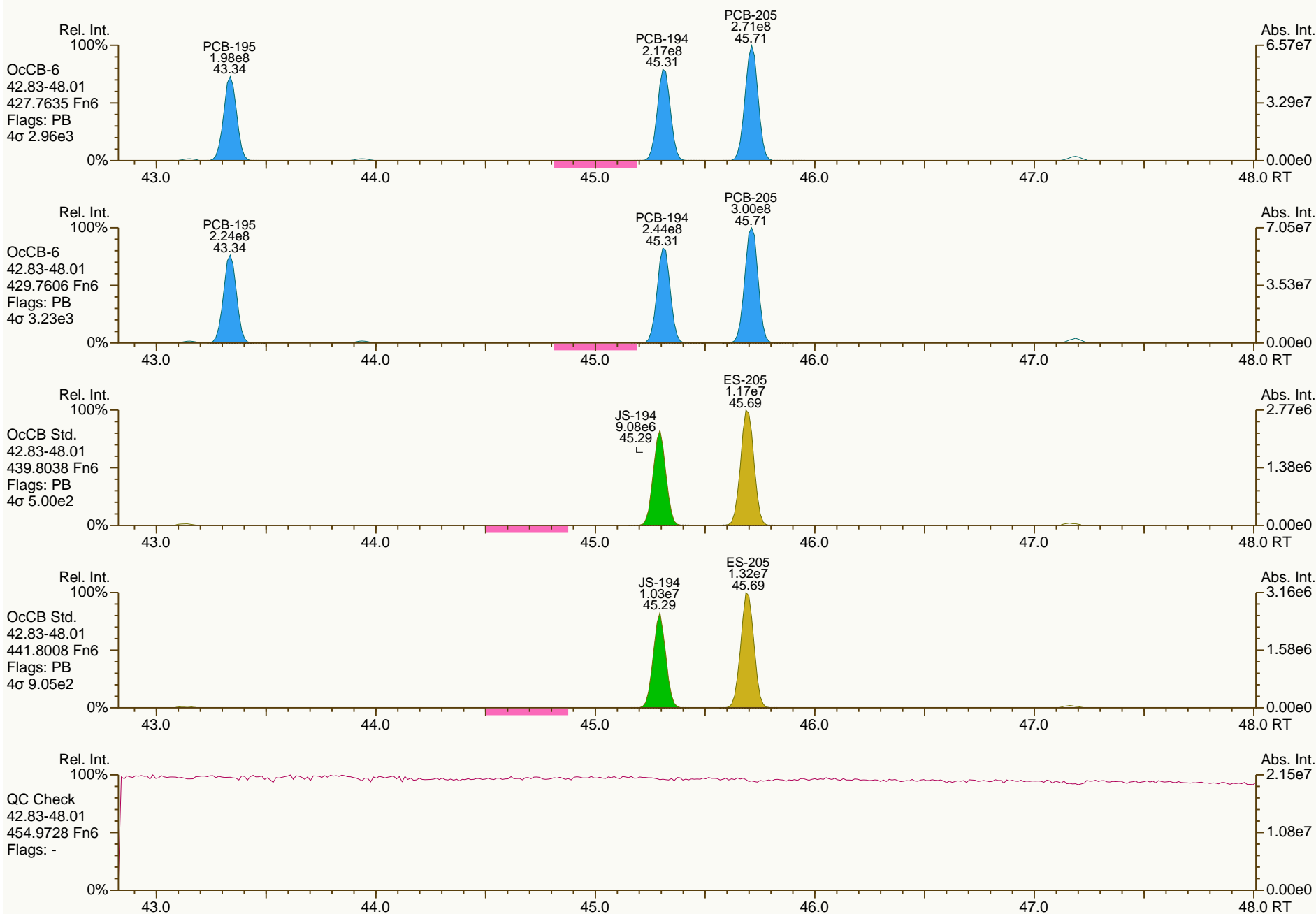
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

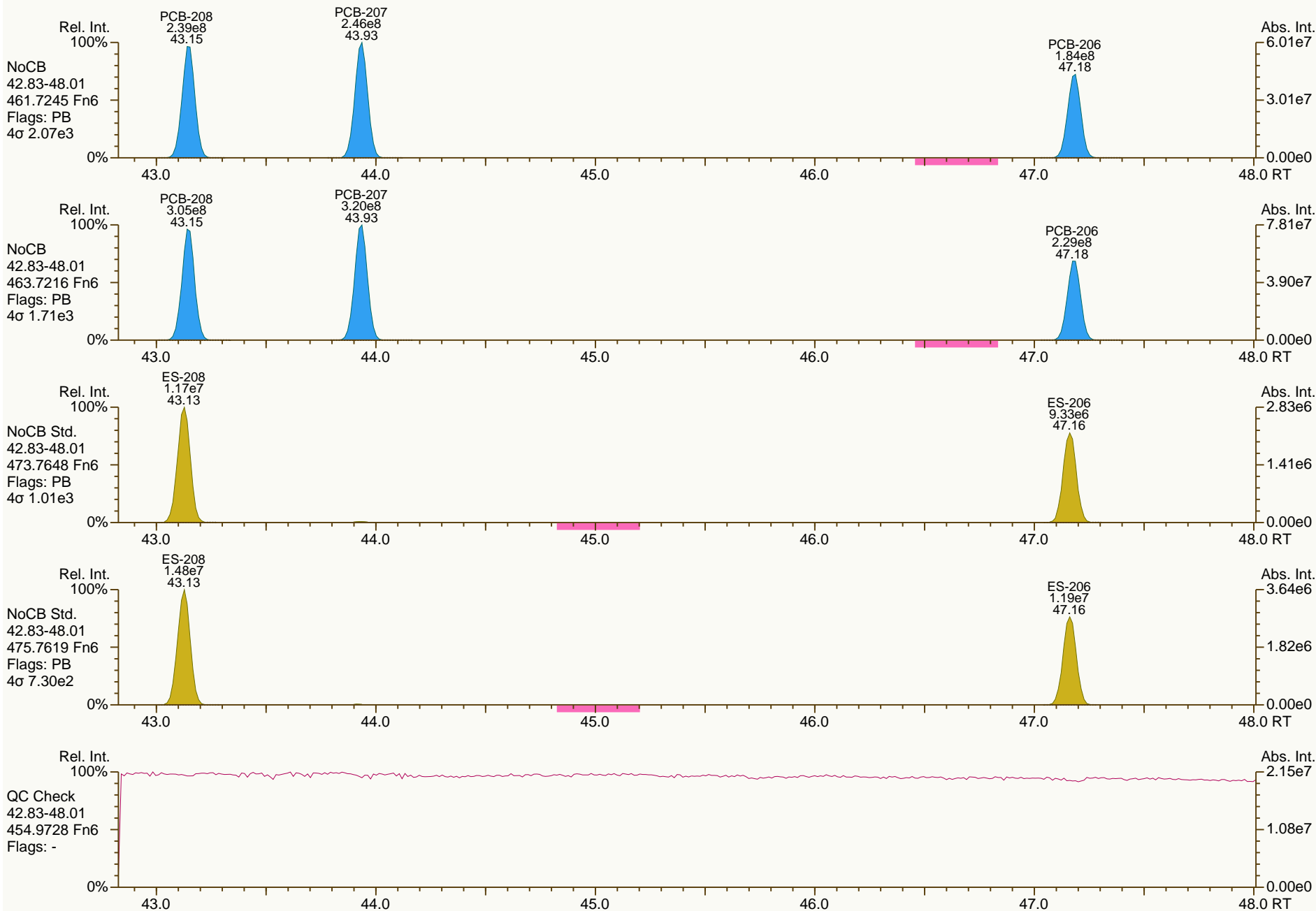
Acq: 26-Jan-2012 20:44:52
User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

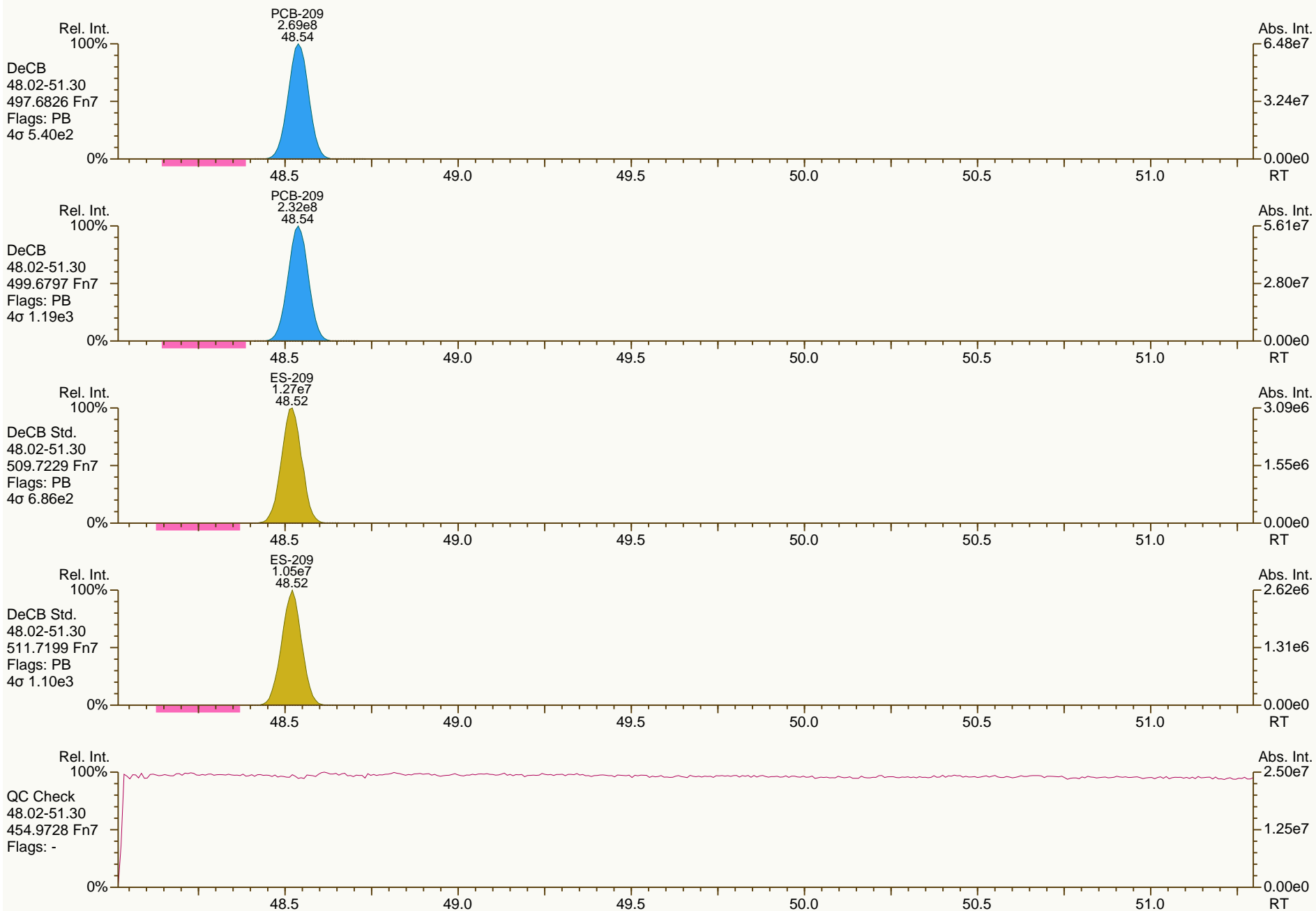
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

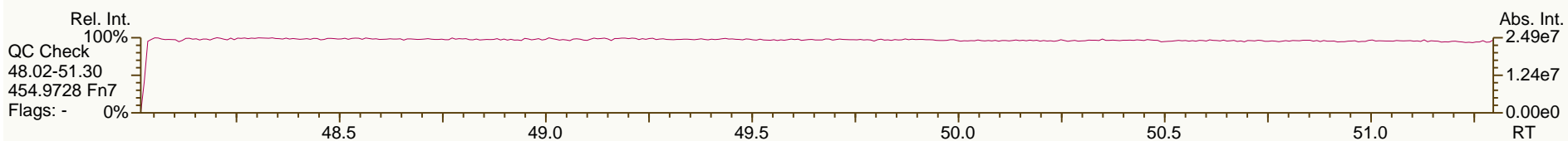
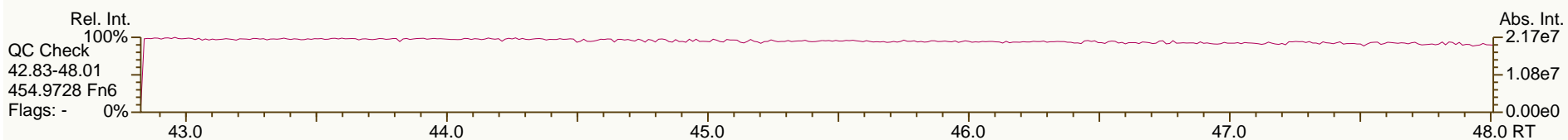
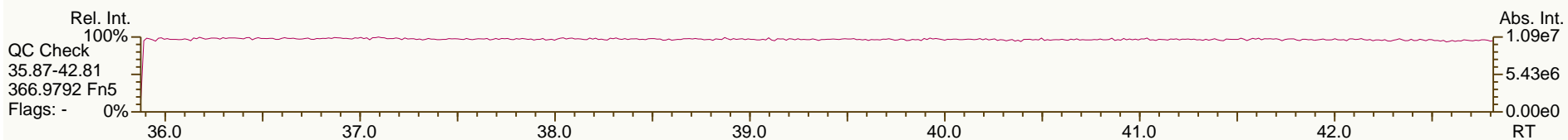
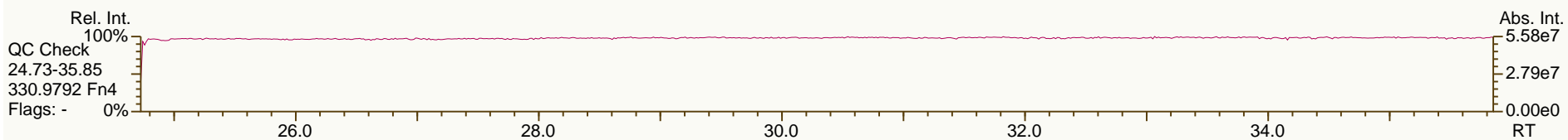
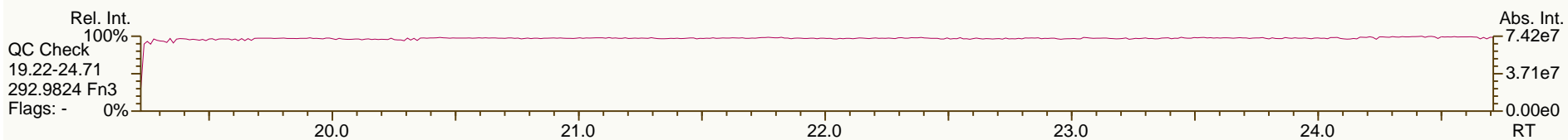
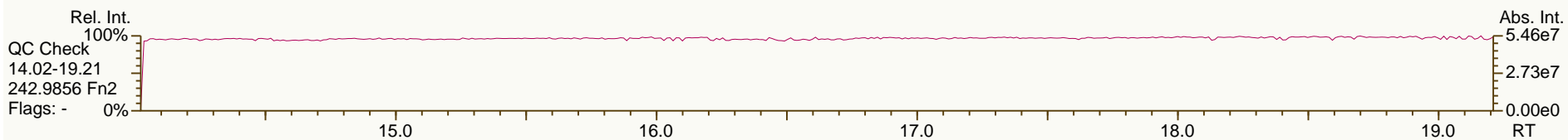
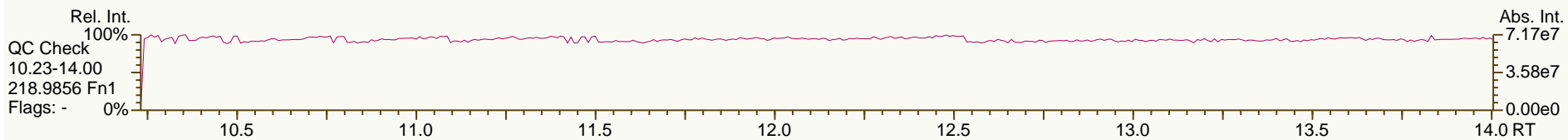
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

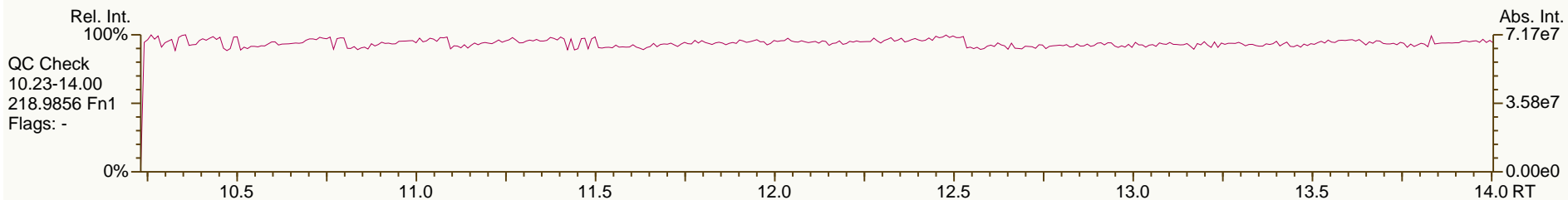
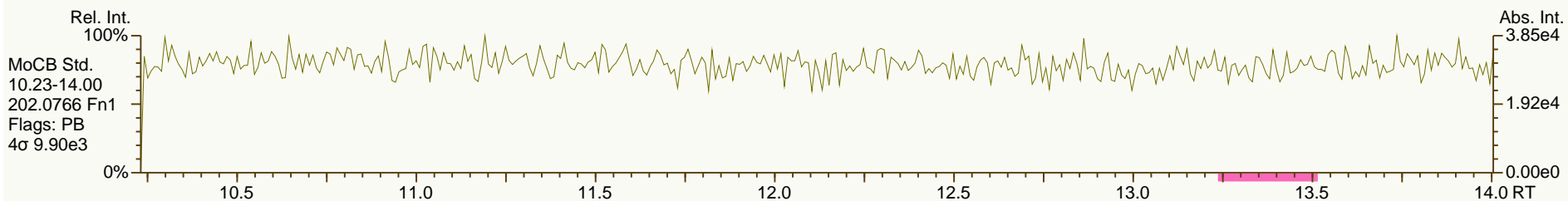
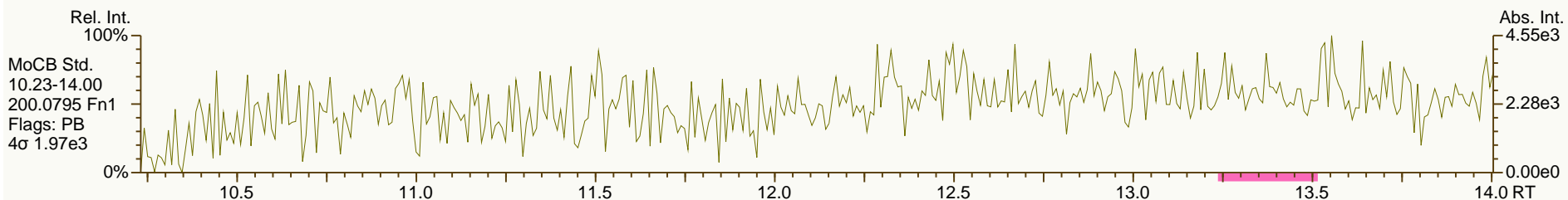
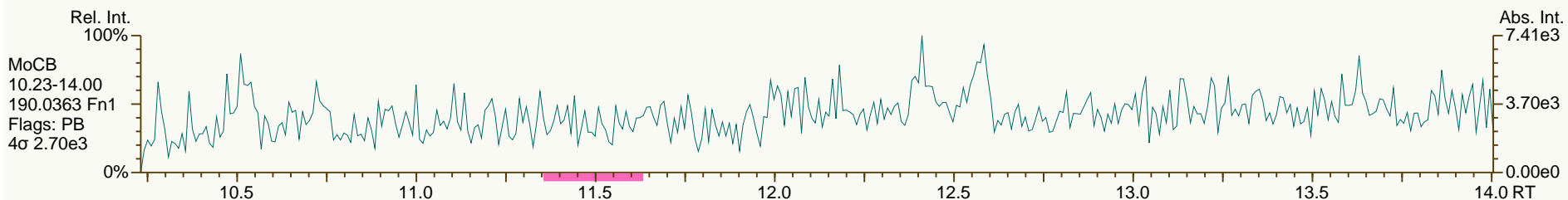
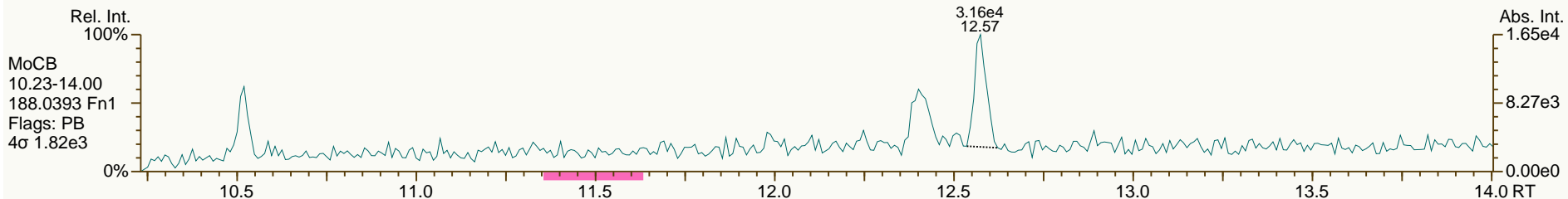
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

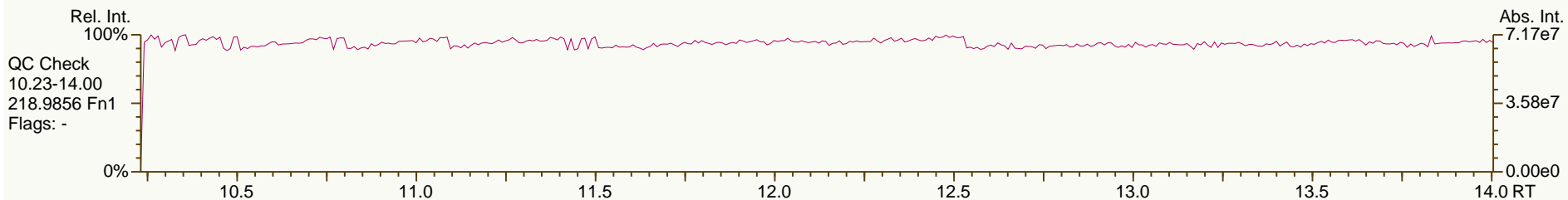
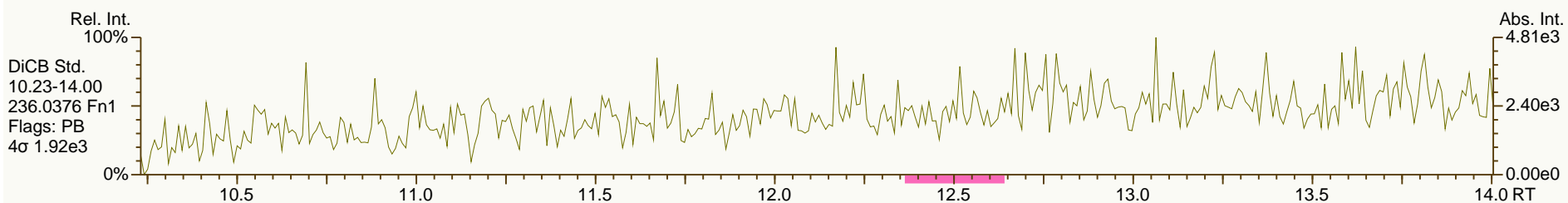
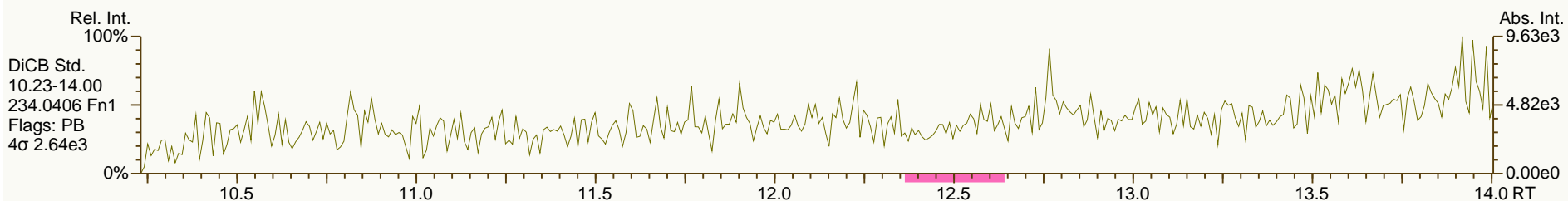
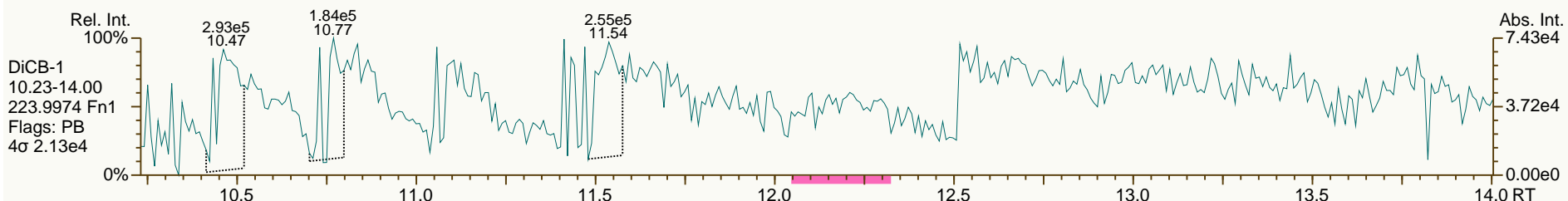
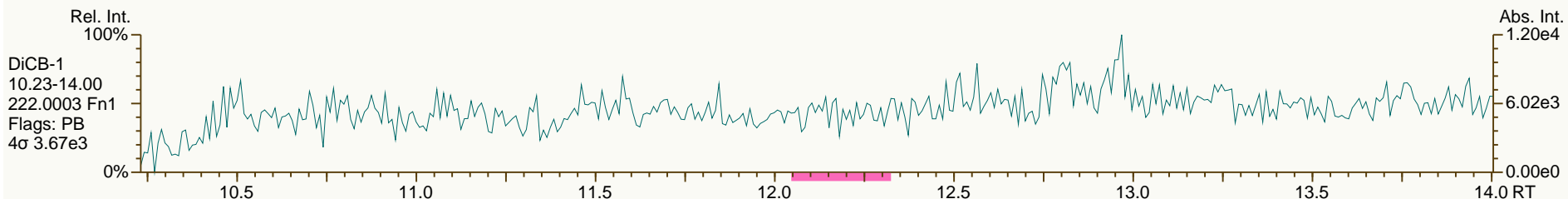
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

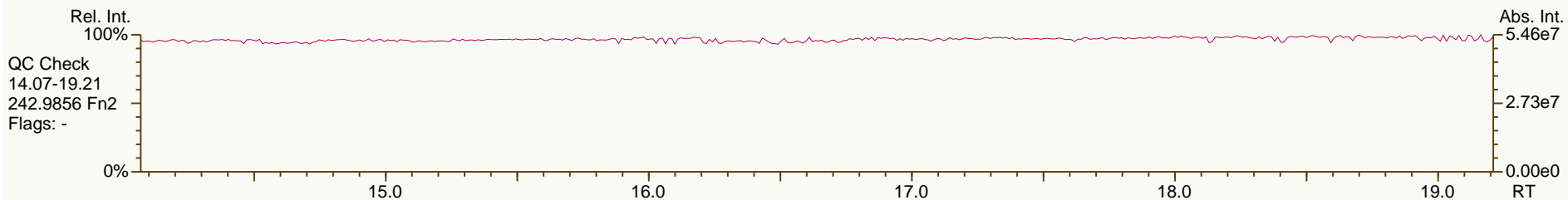
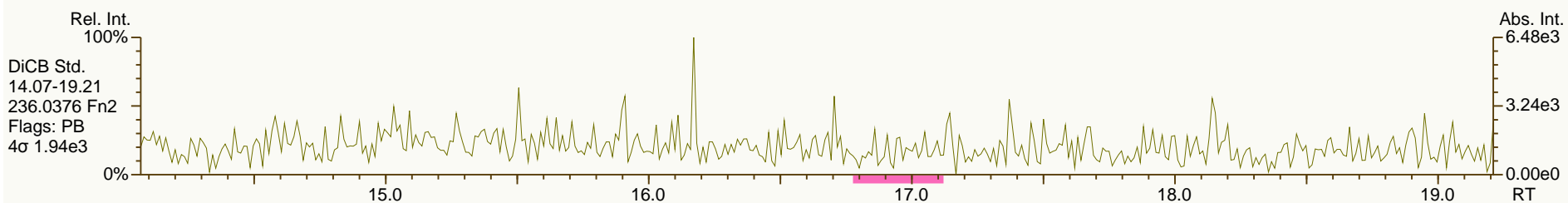
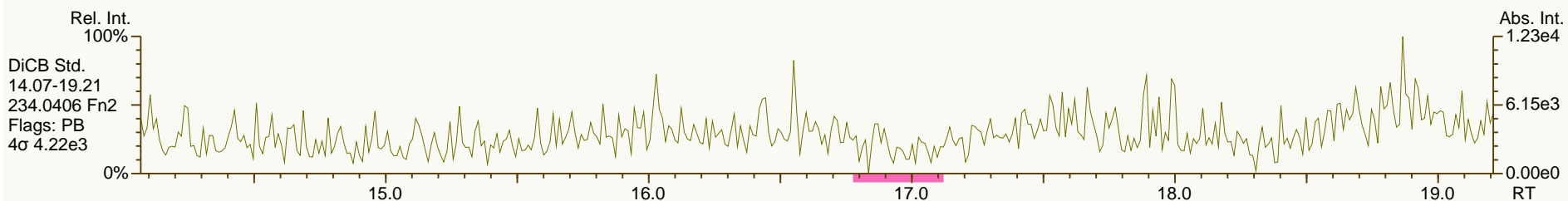
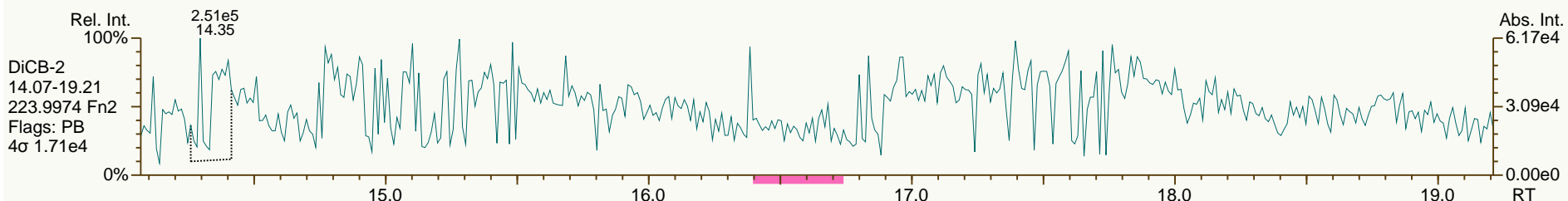
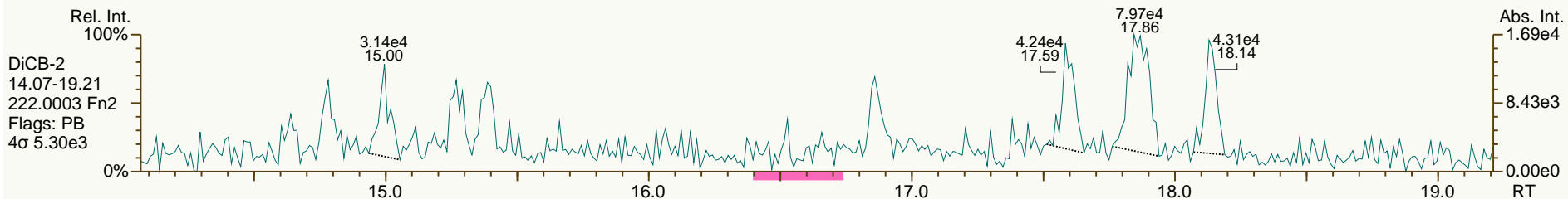
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

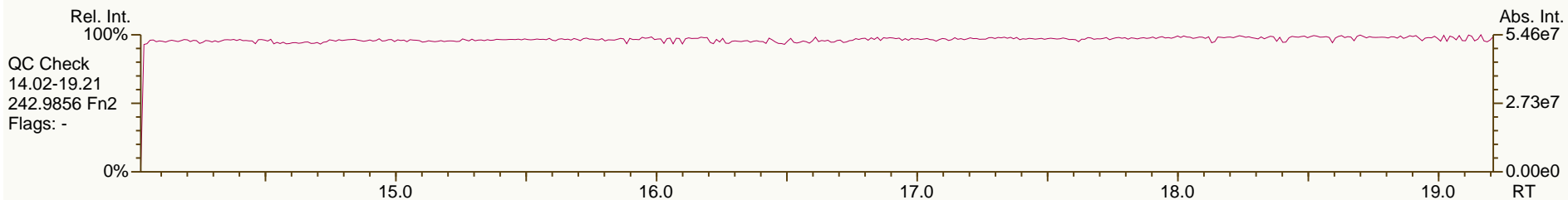
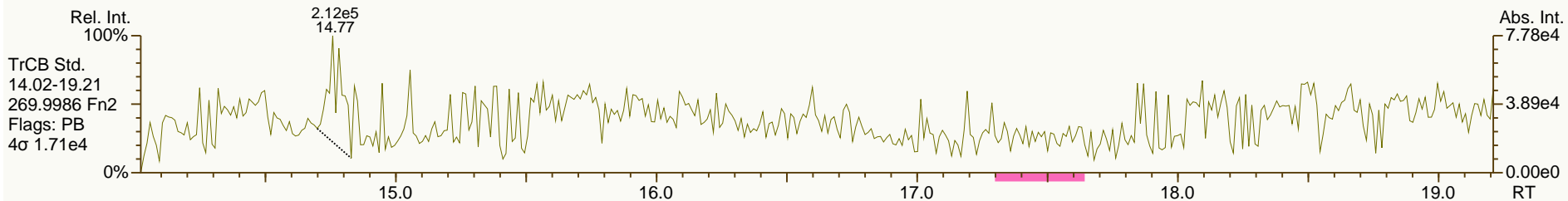
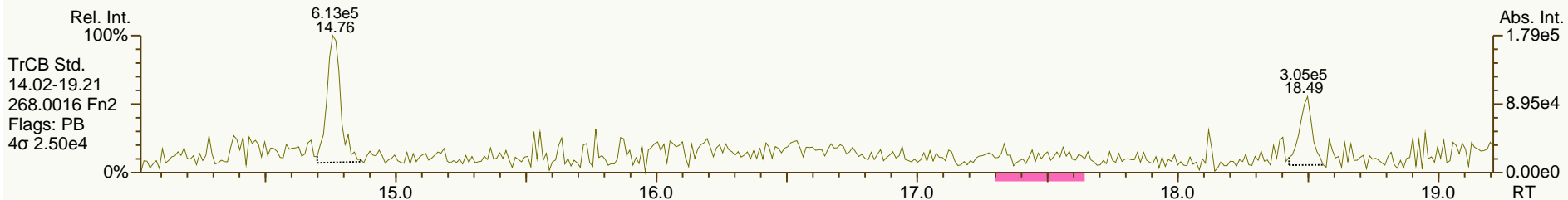
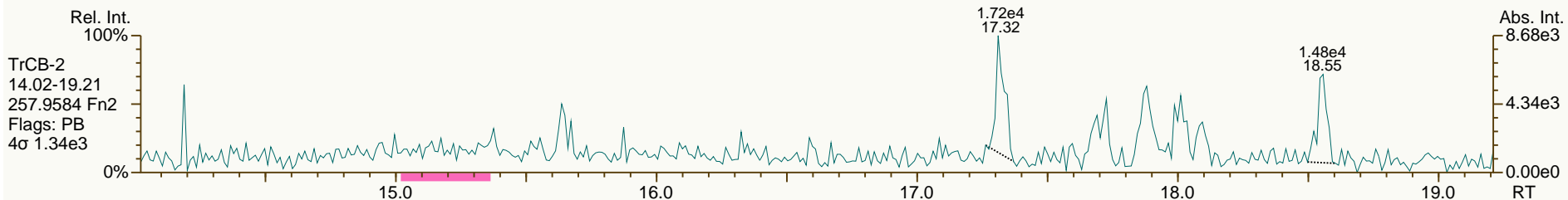
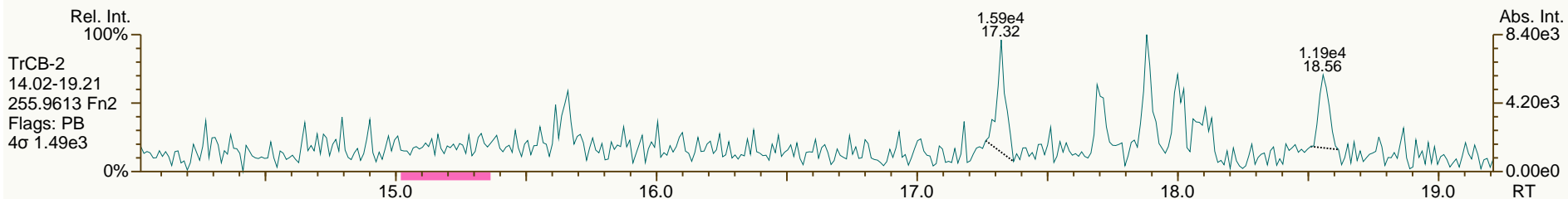
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

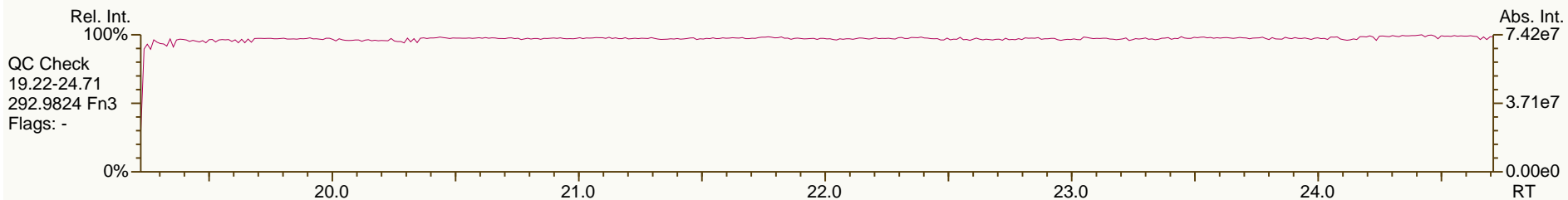
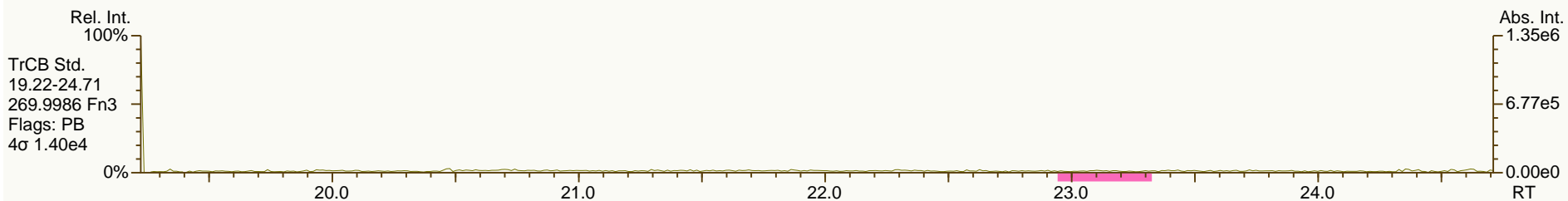
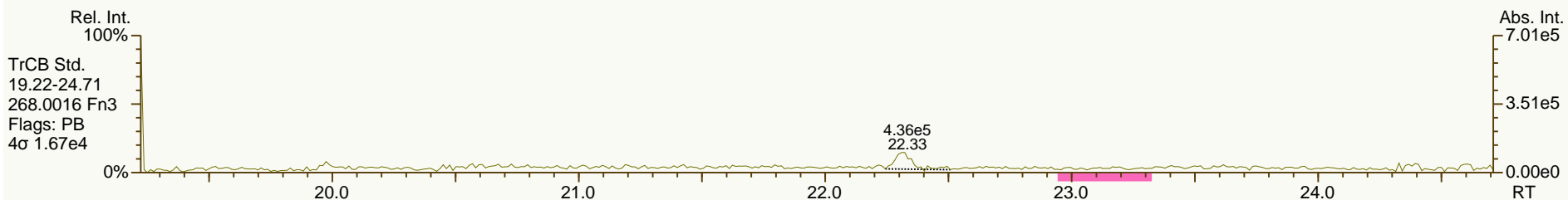
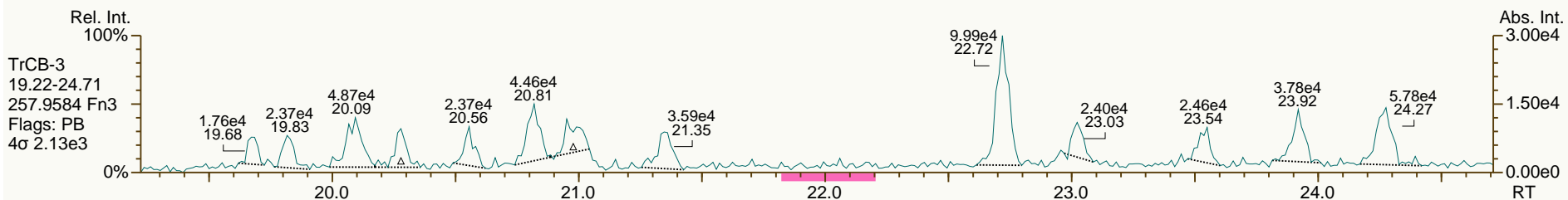
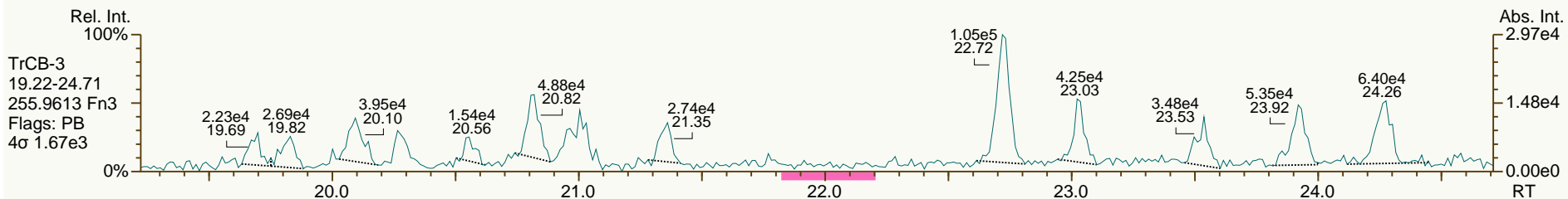
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

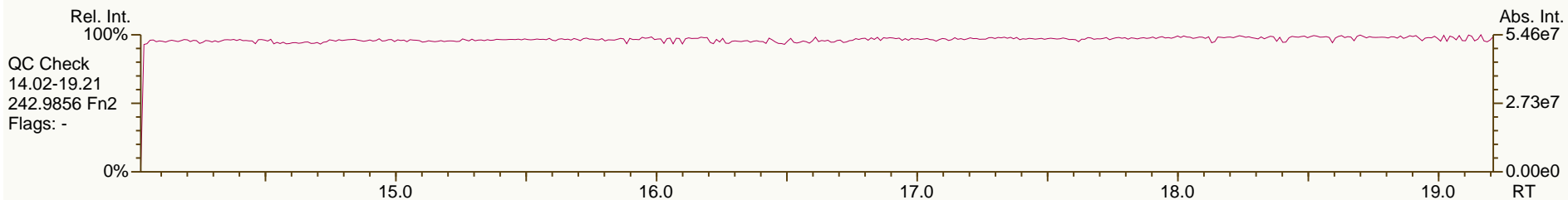
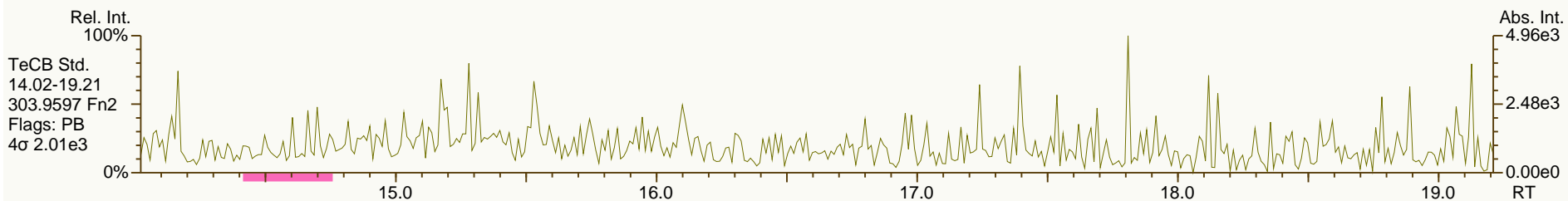
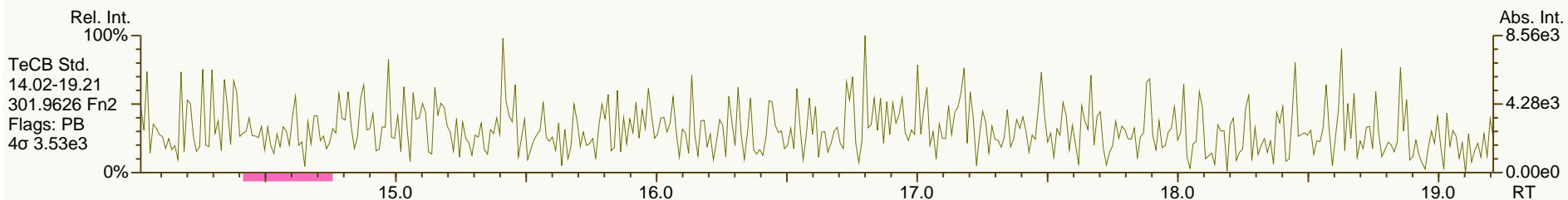
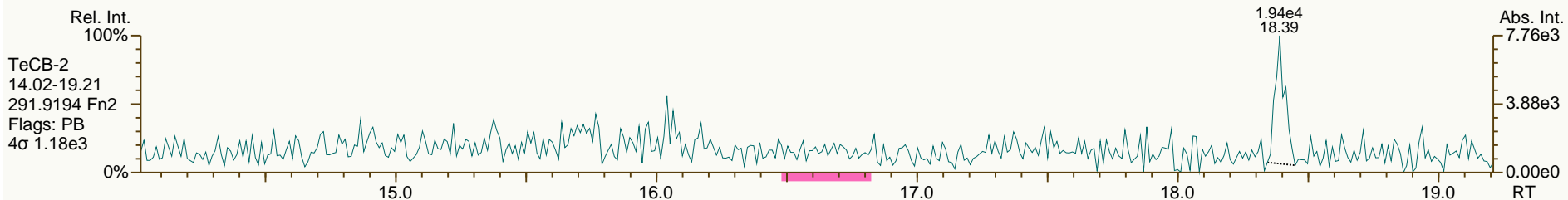
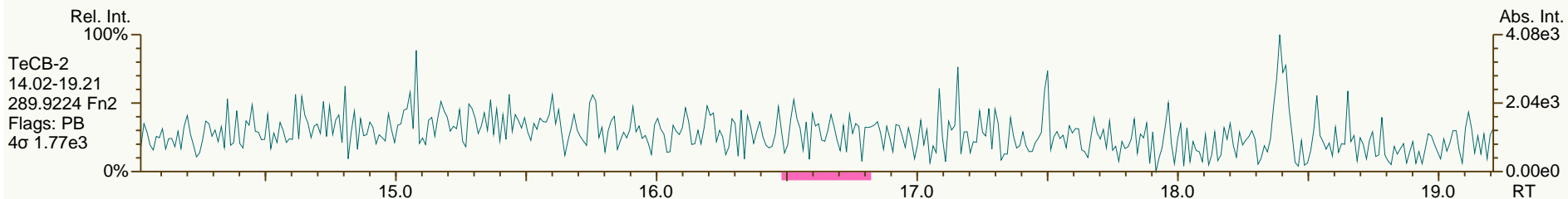
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

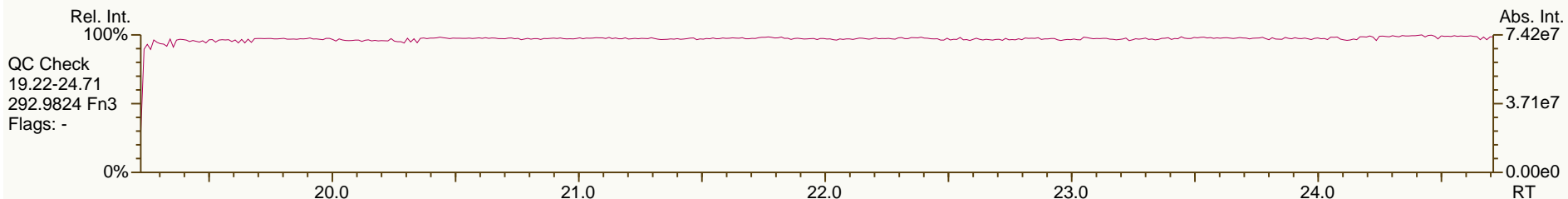
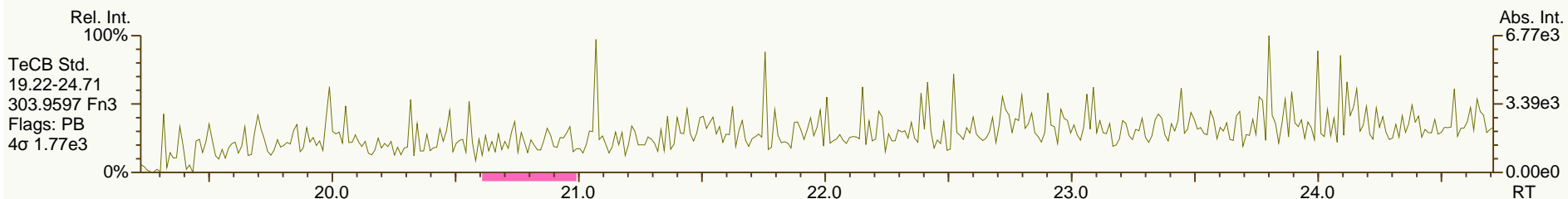
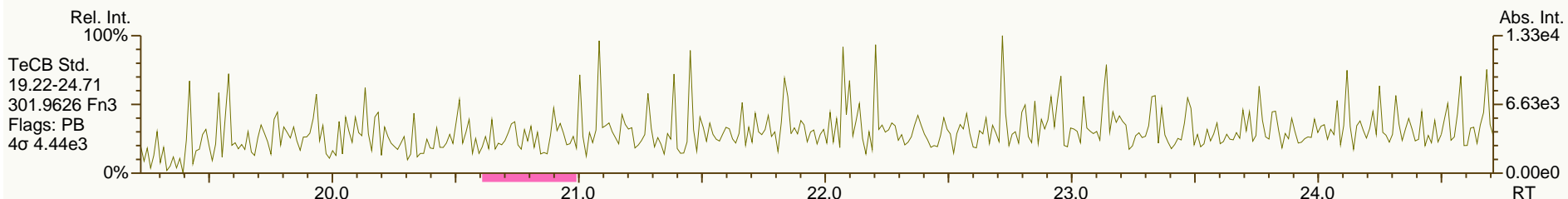
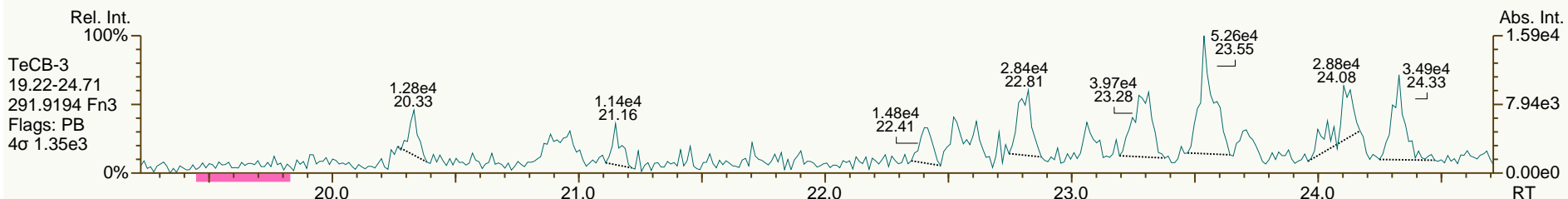
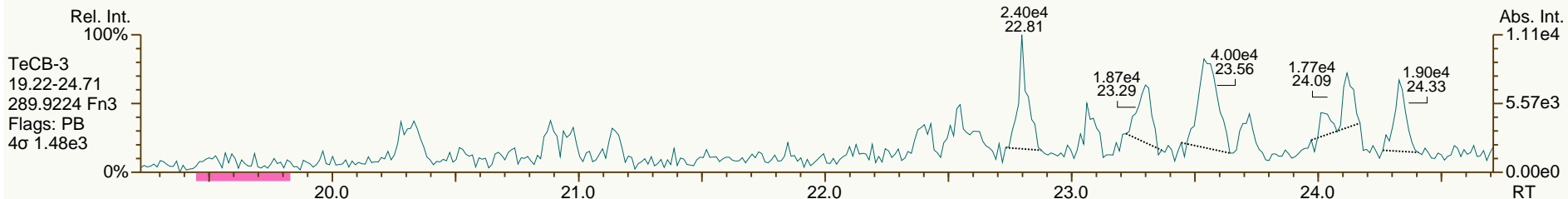
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

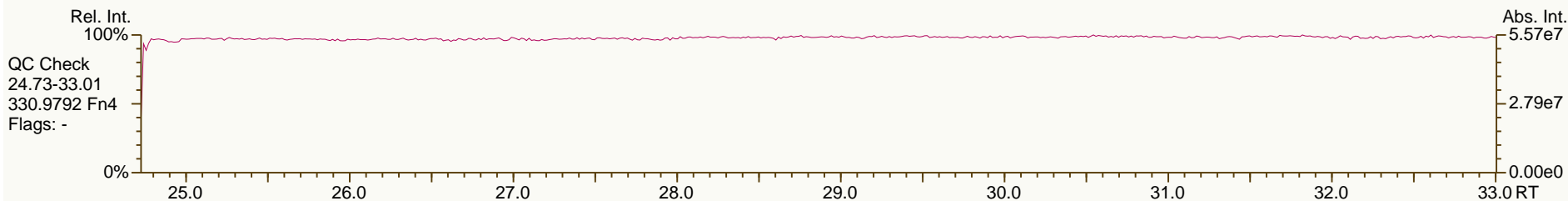
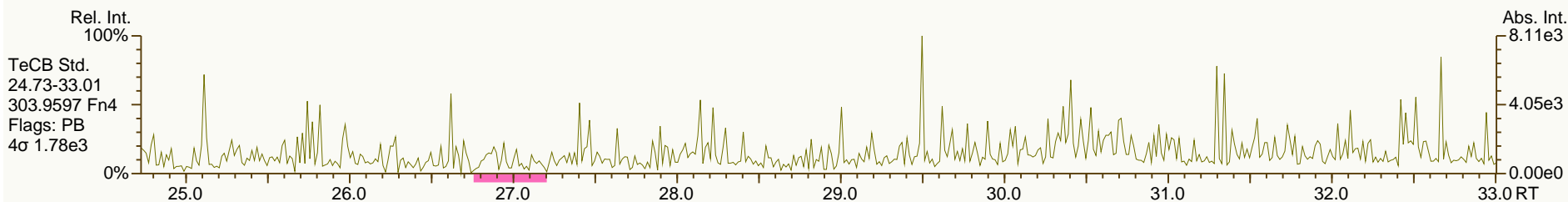
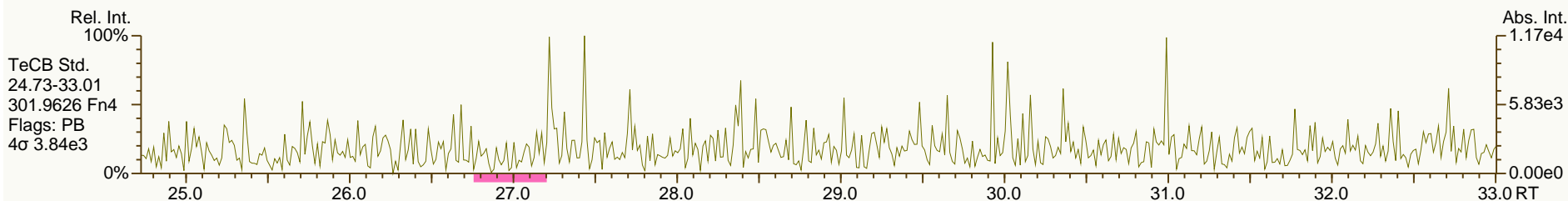
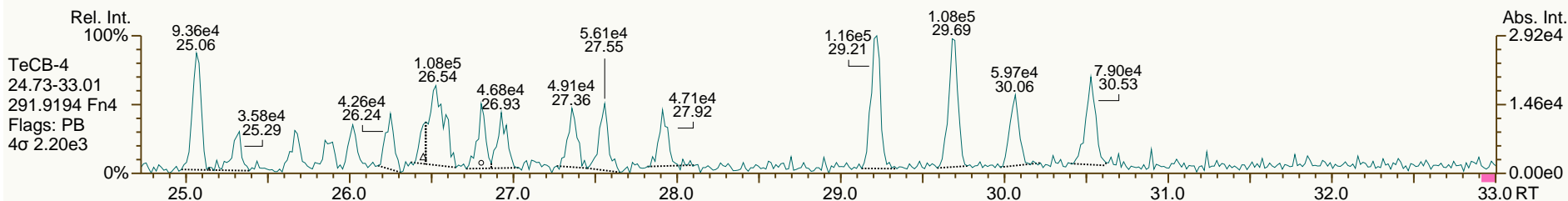
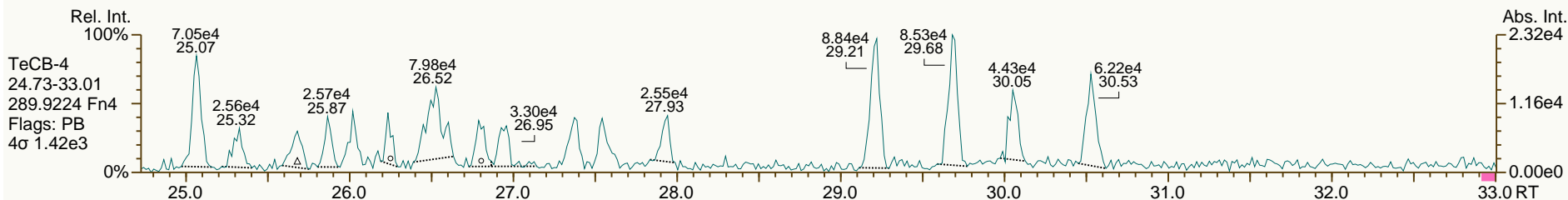
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

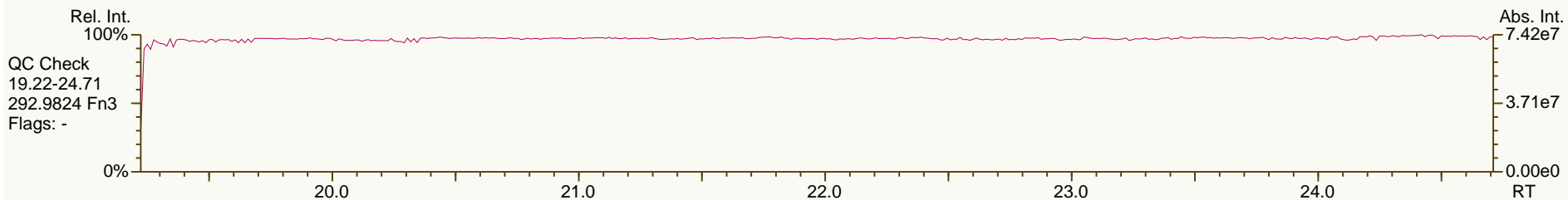
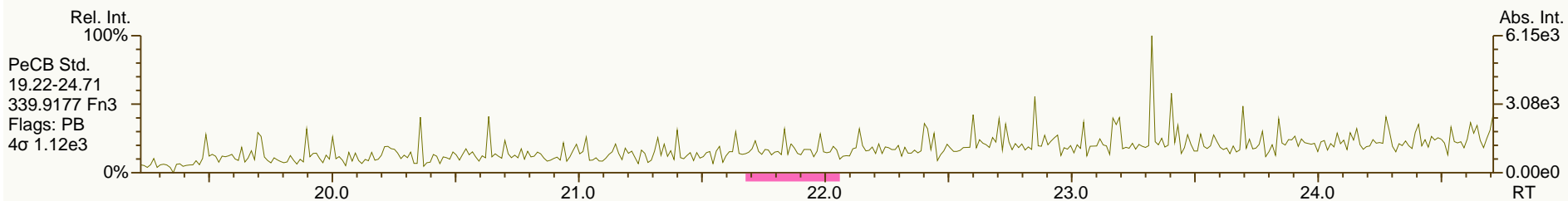
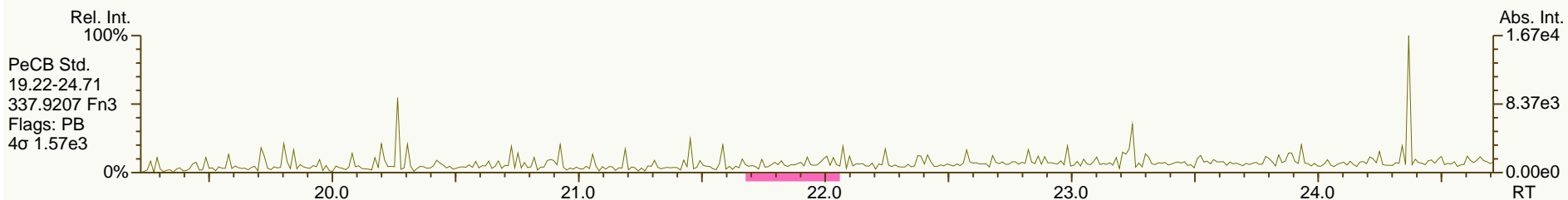
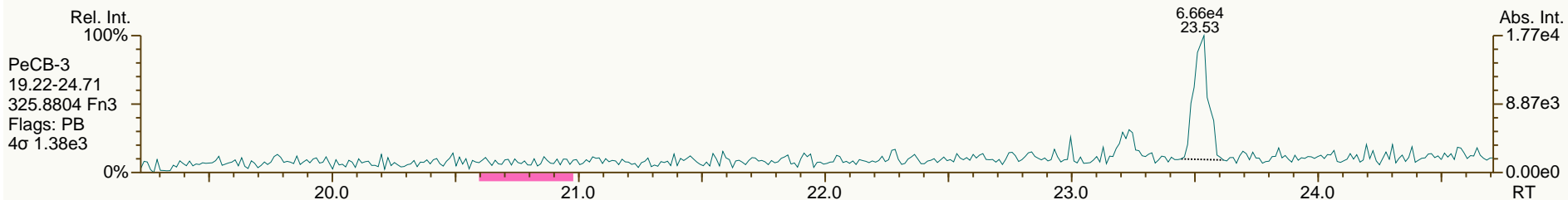
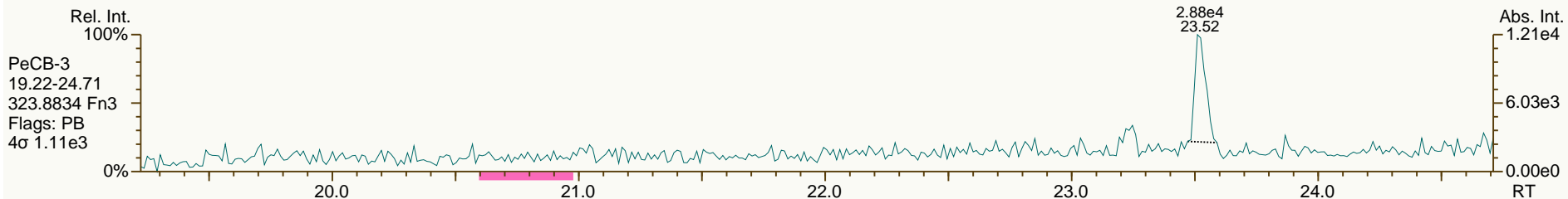
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

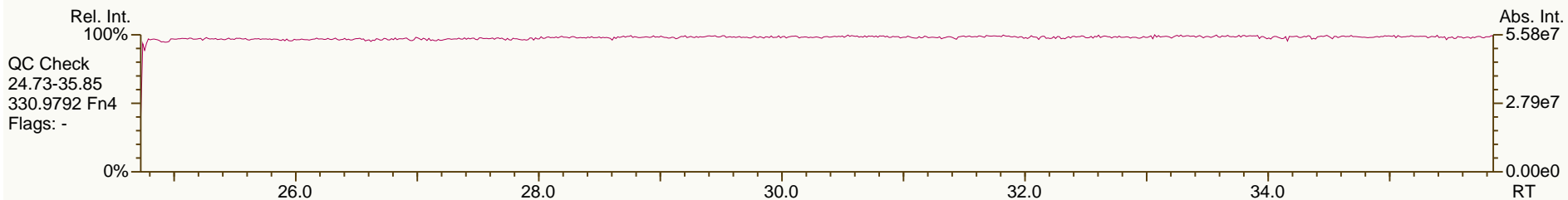
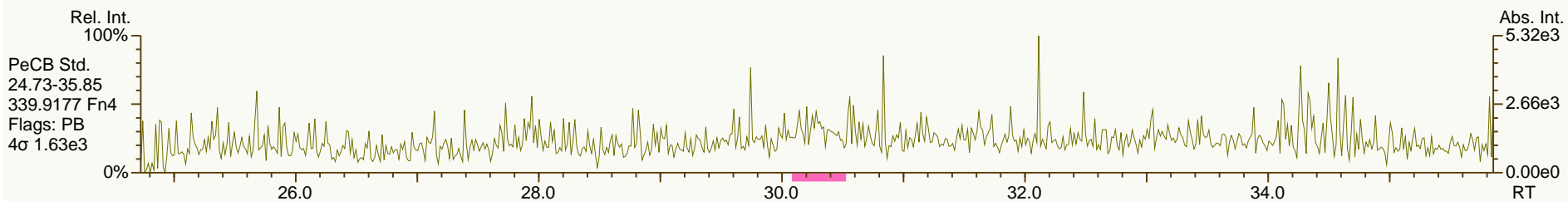
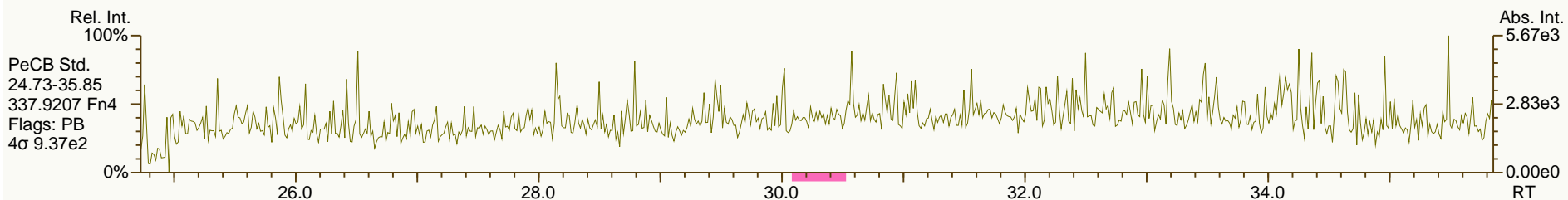
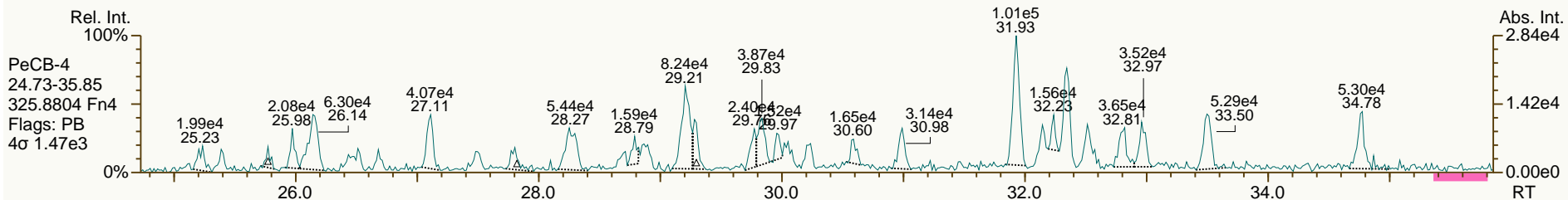
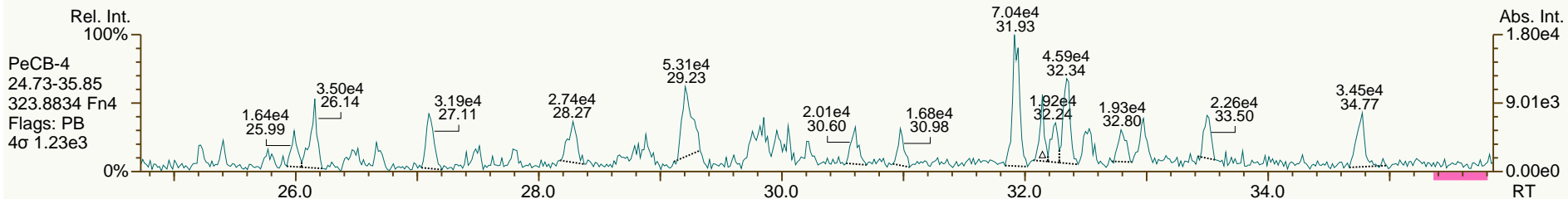
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

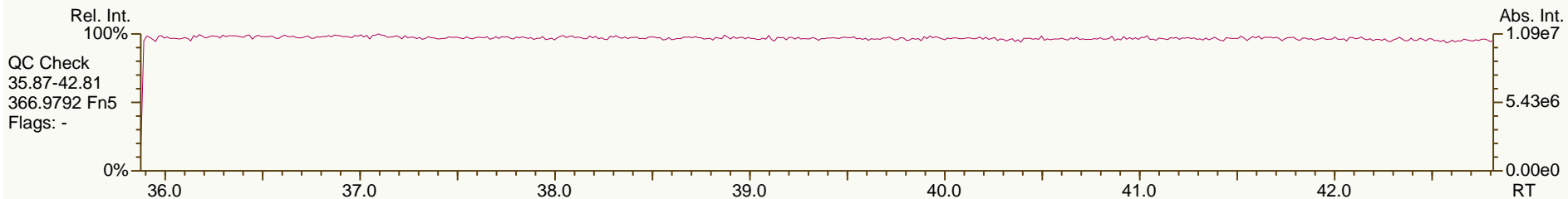
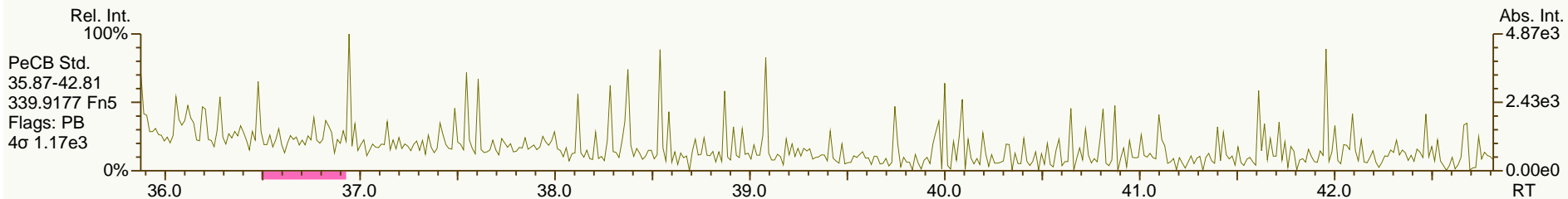
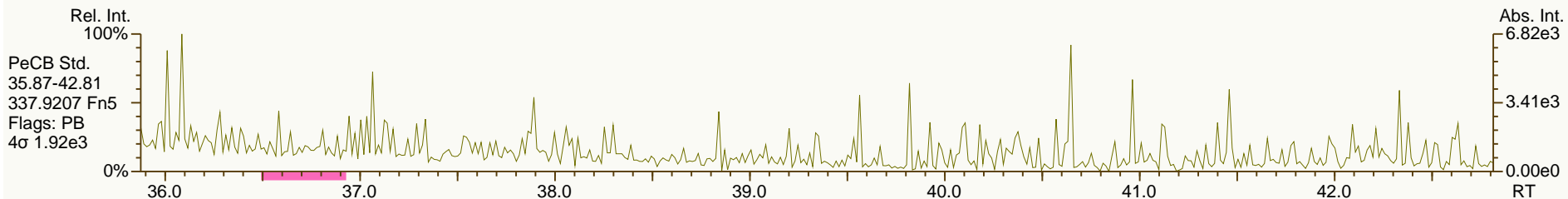
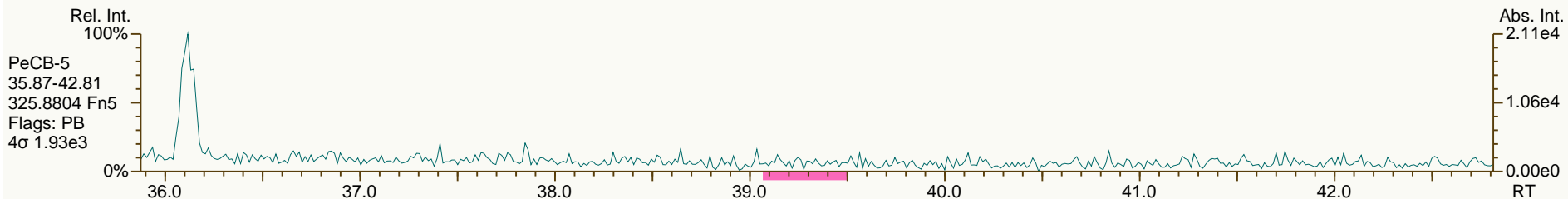
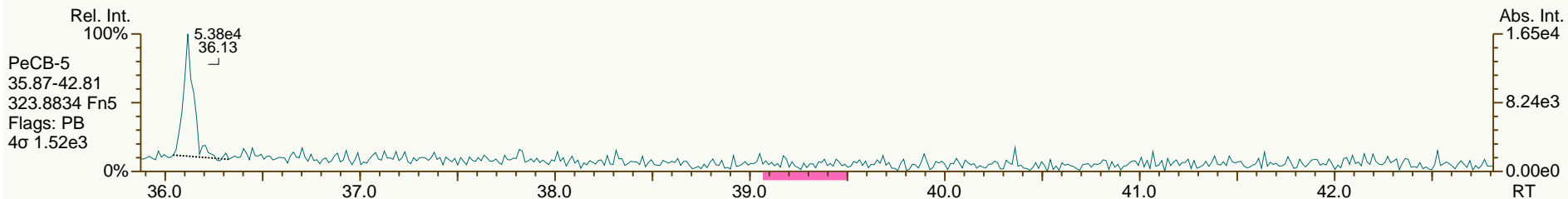
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

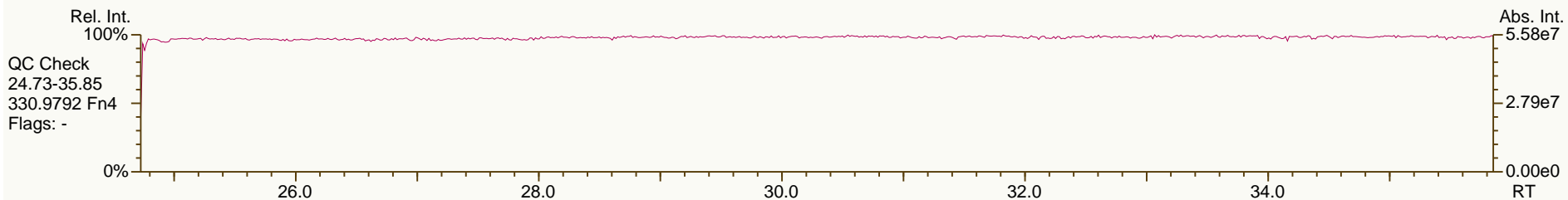
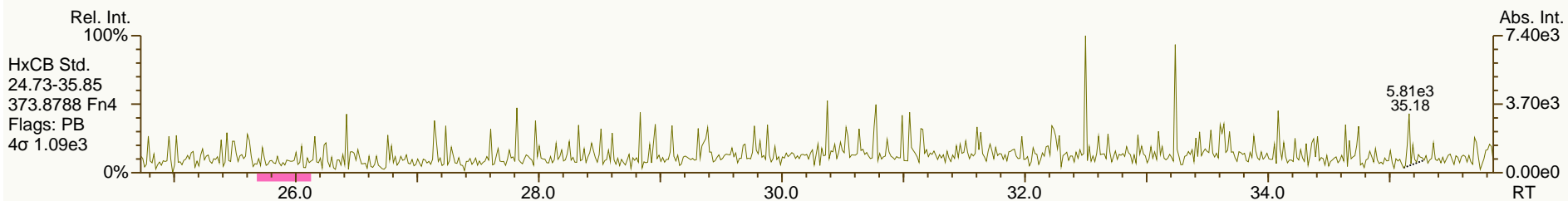
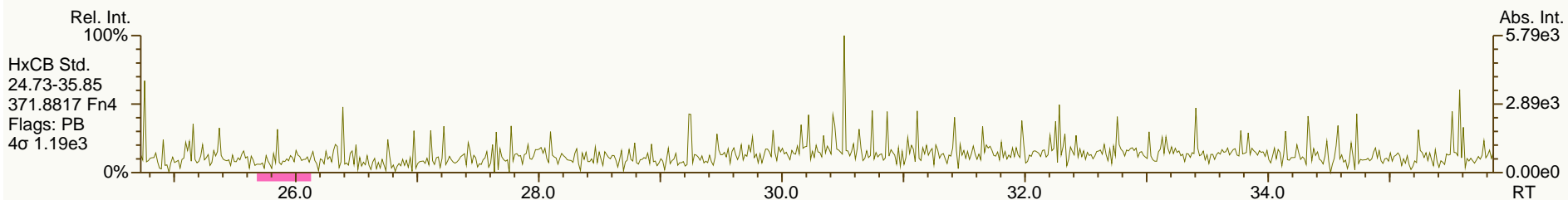
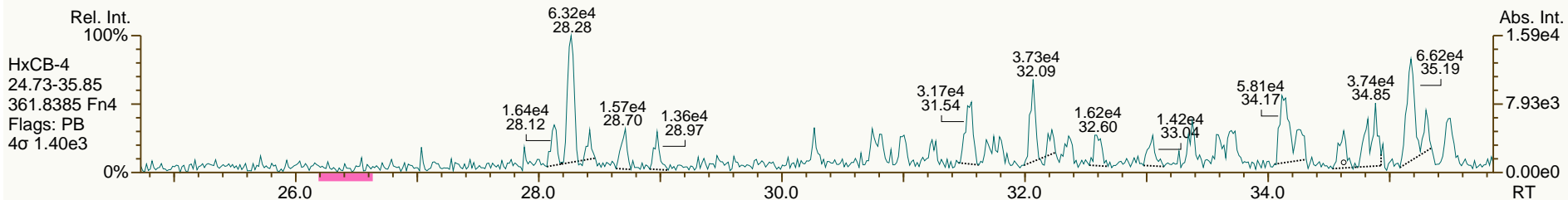
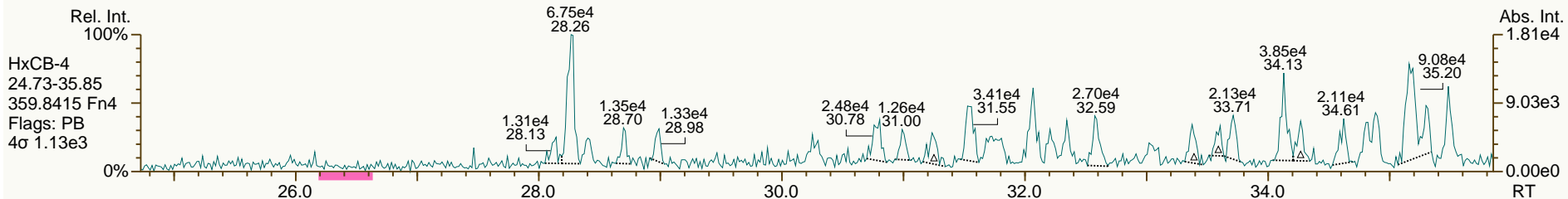
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

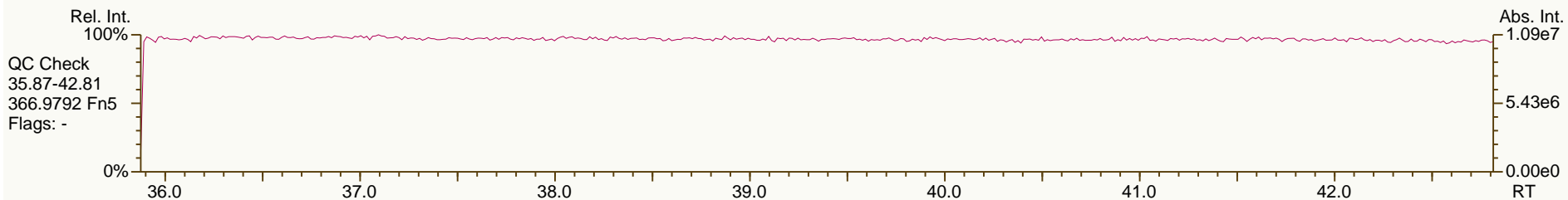
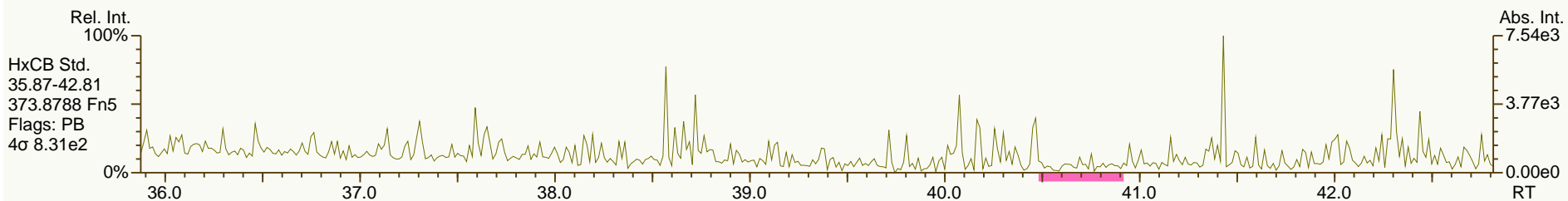
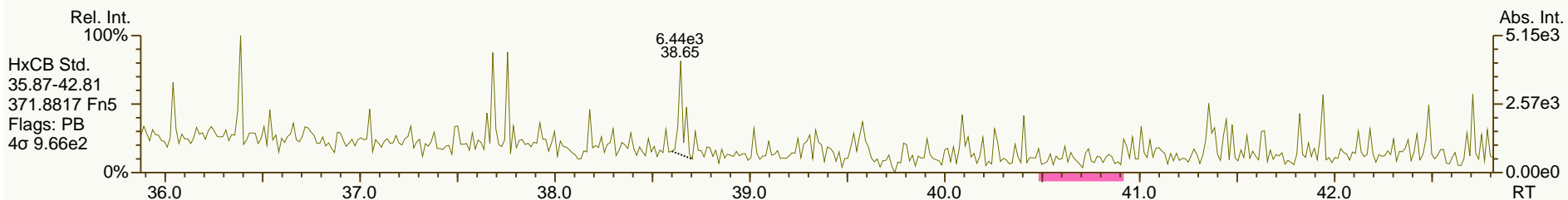
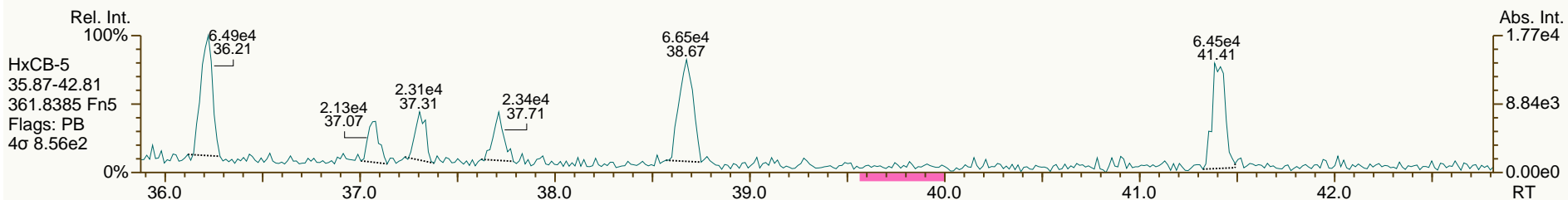
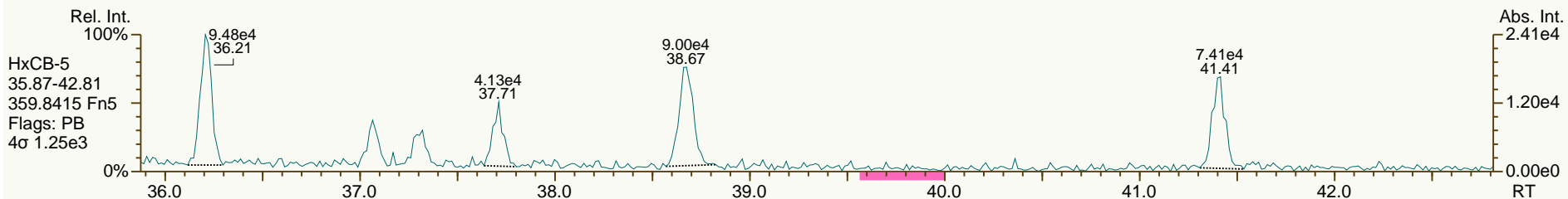
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

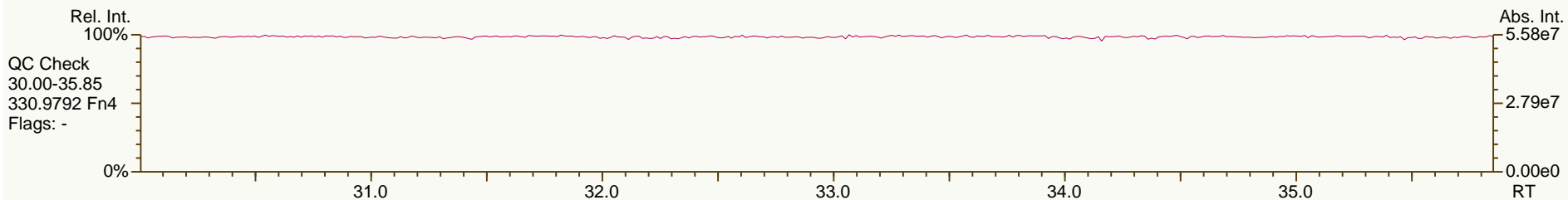
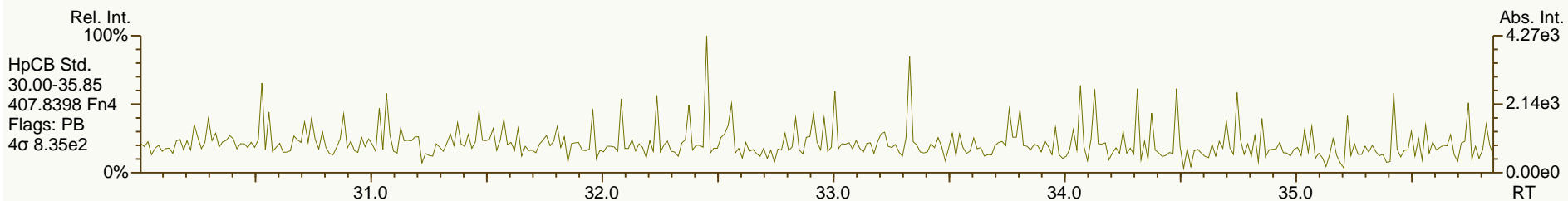
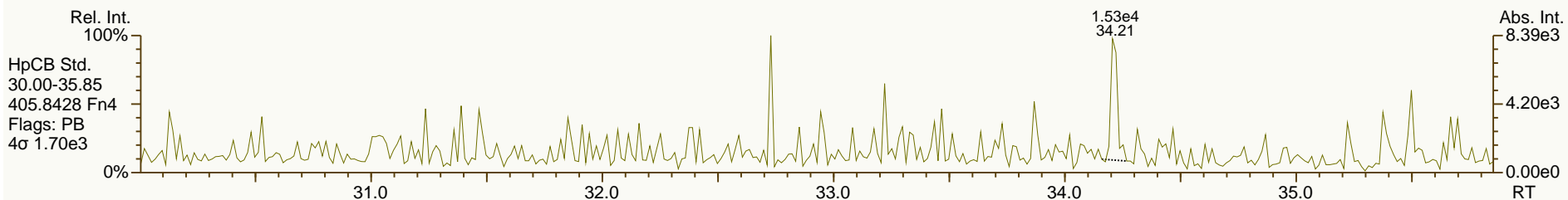
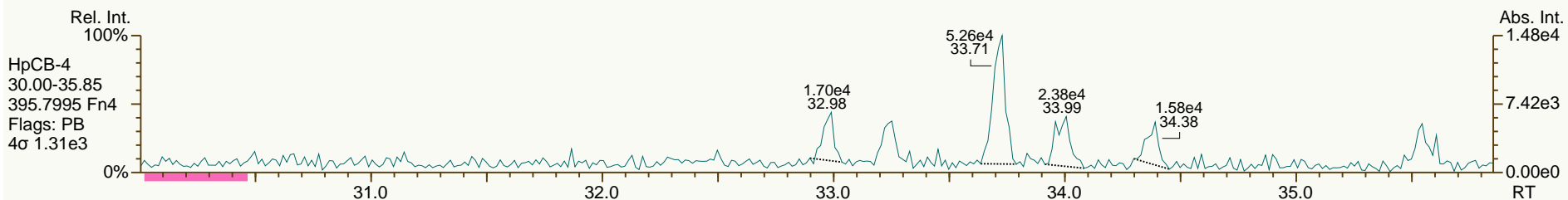
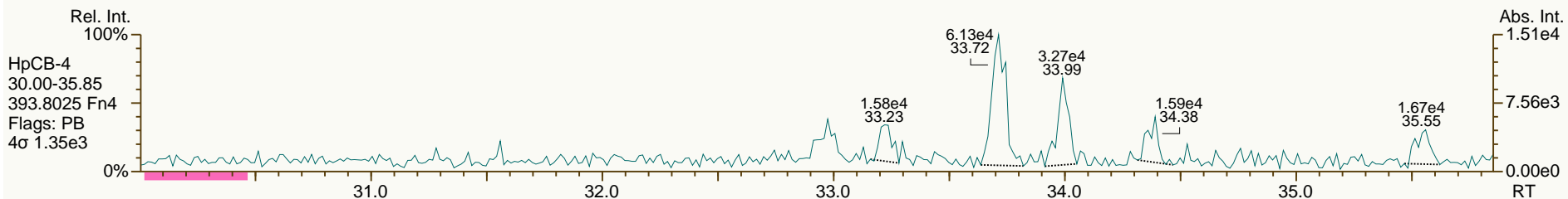
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

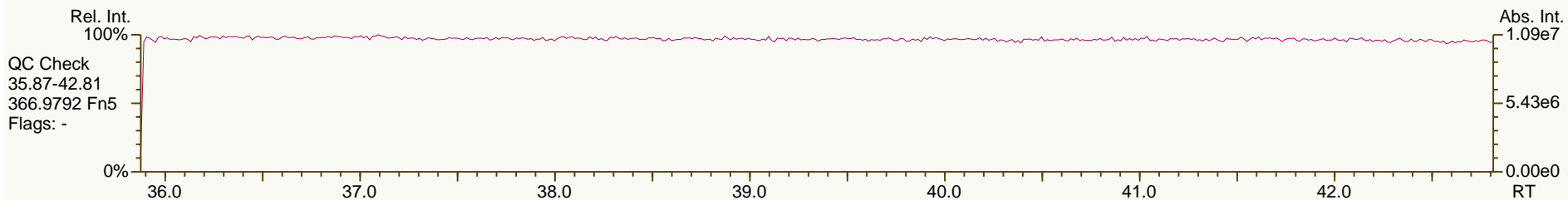
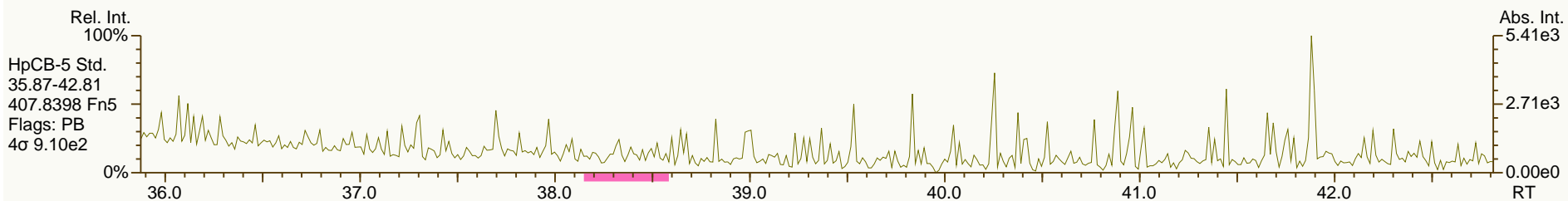
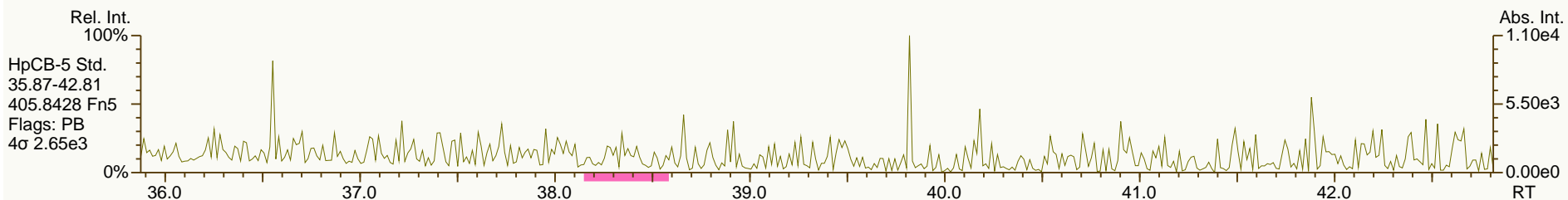
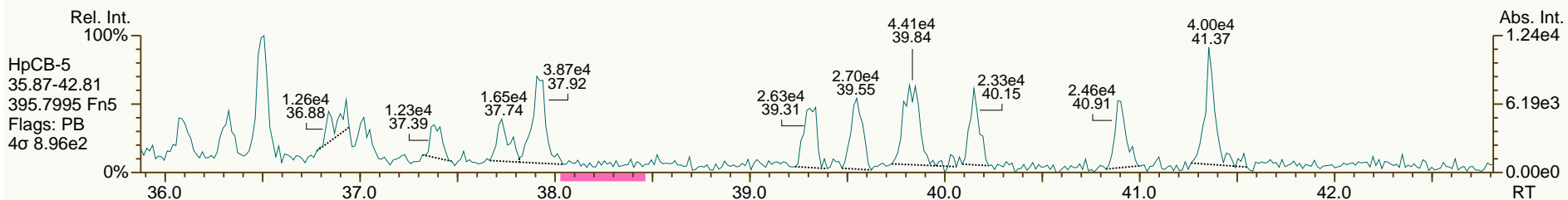
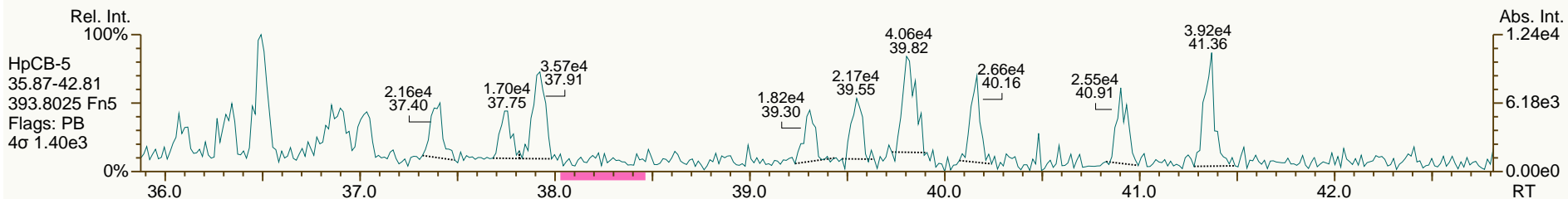
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

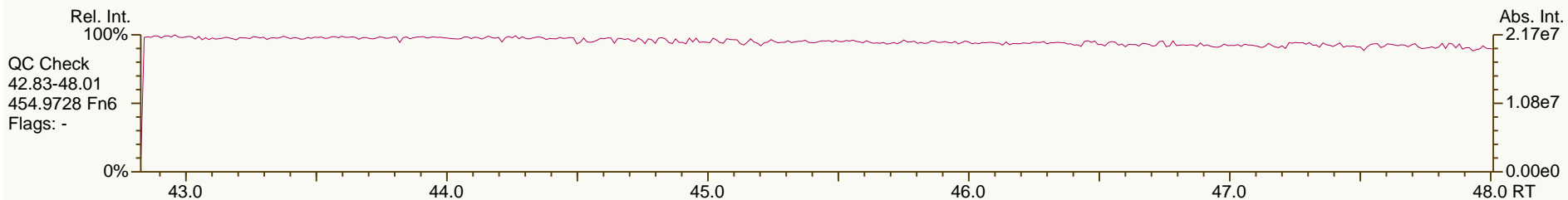
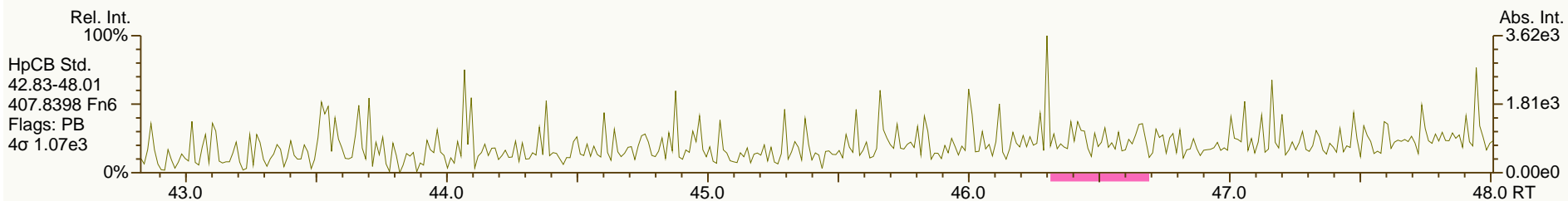
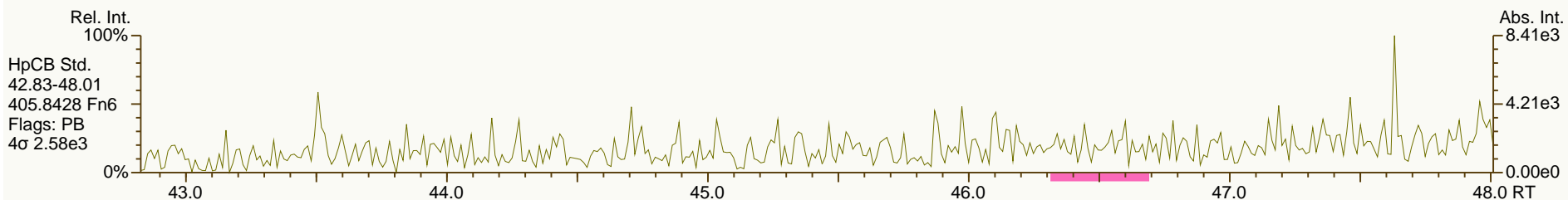
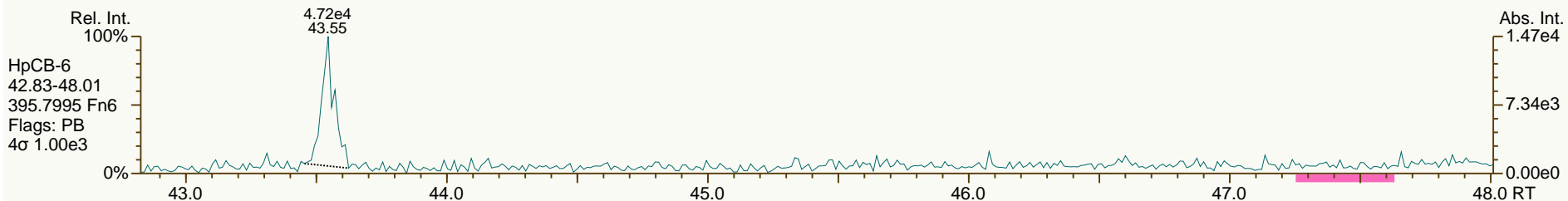
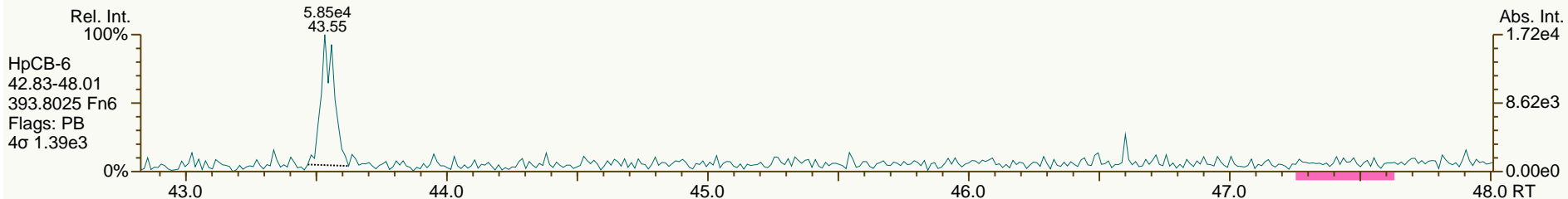
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

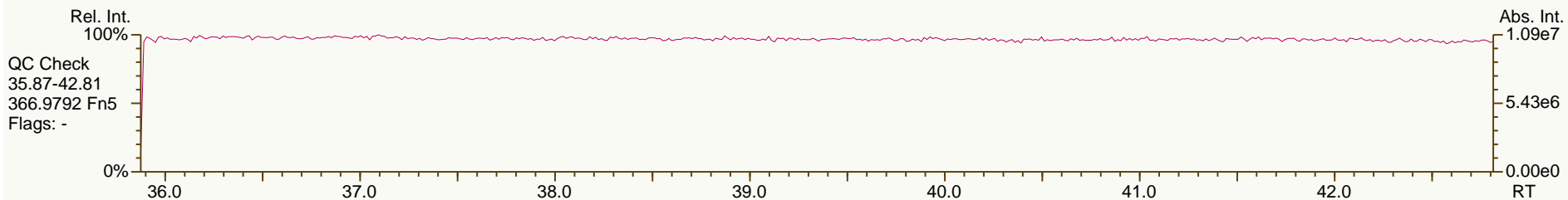
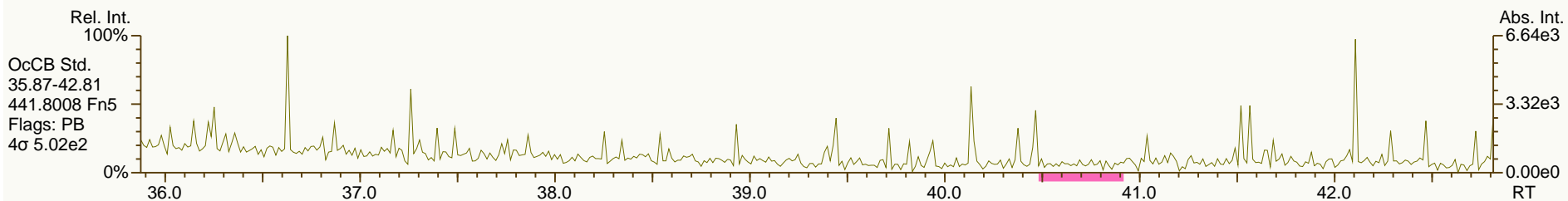
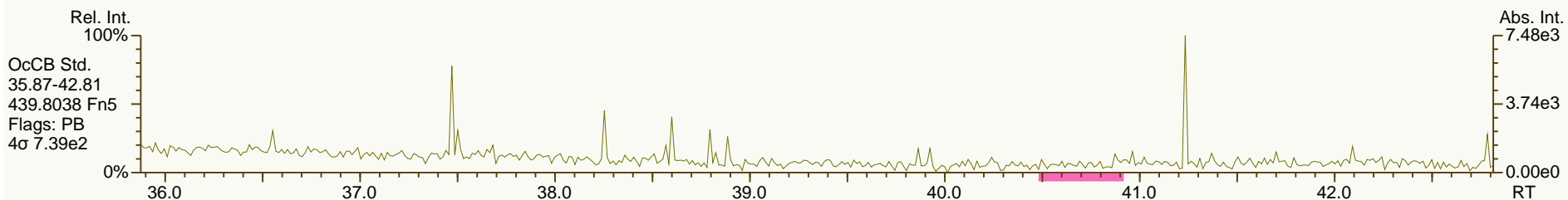
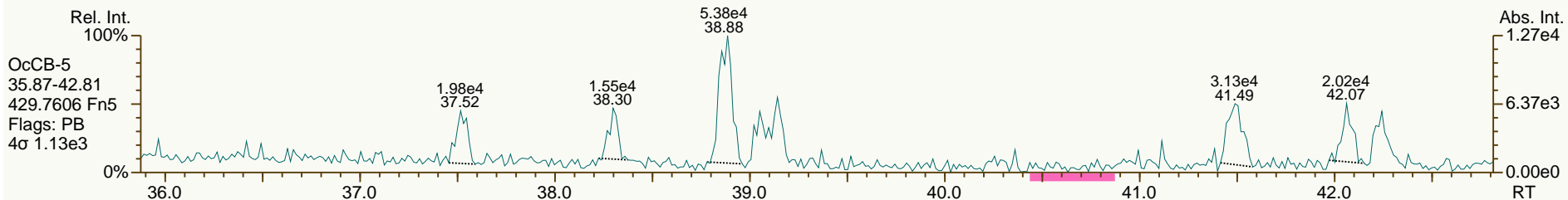
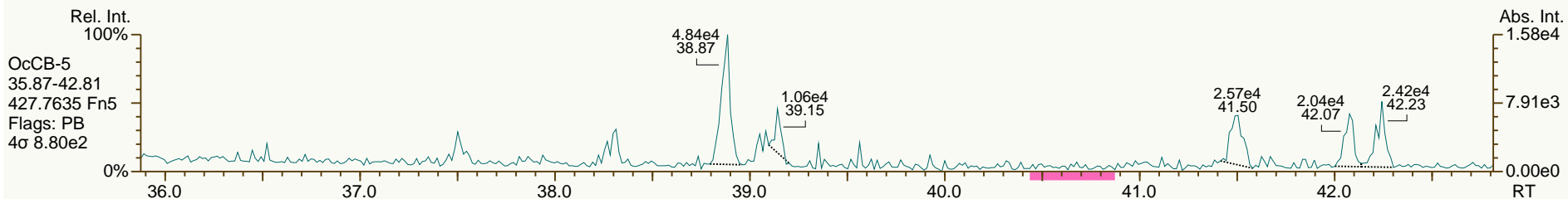
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

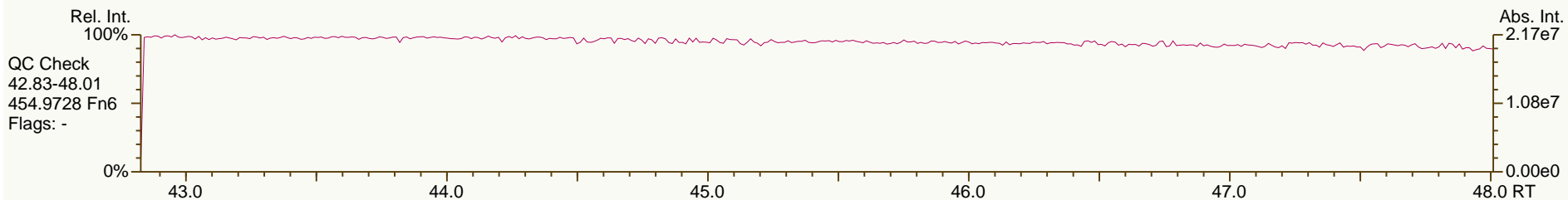
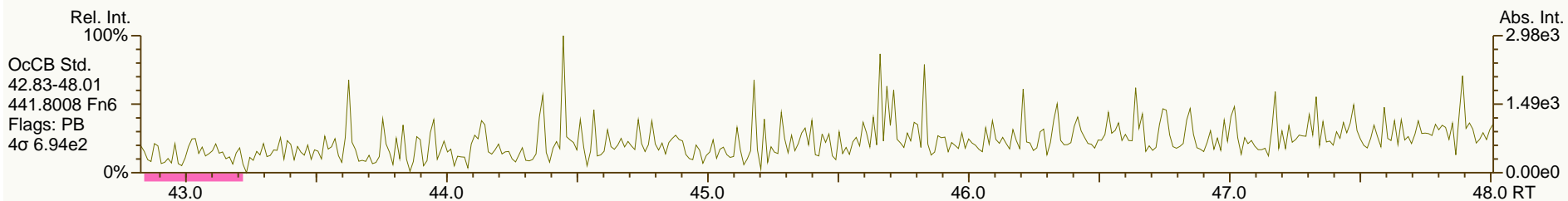
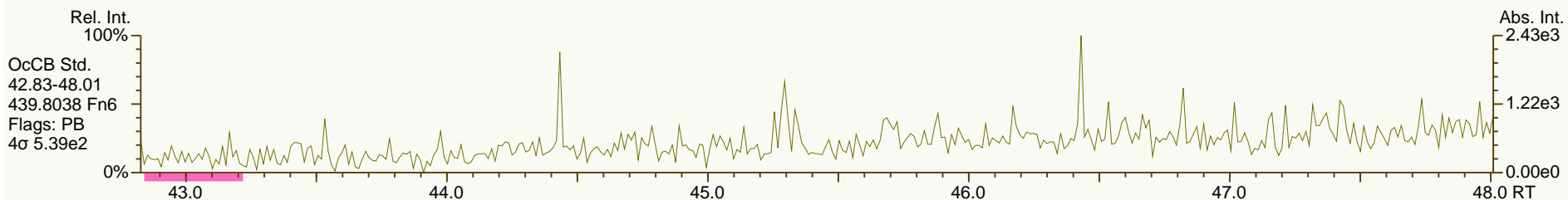
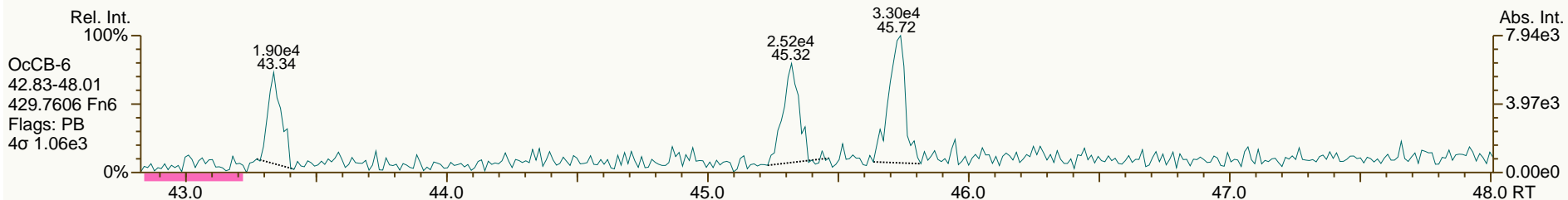
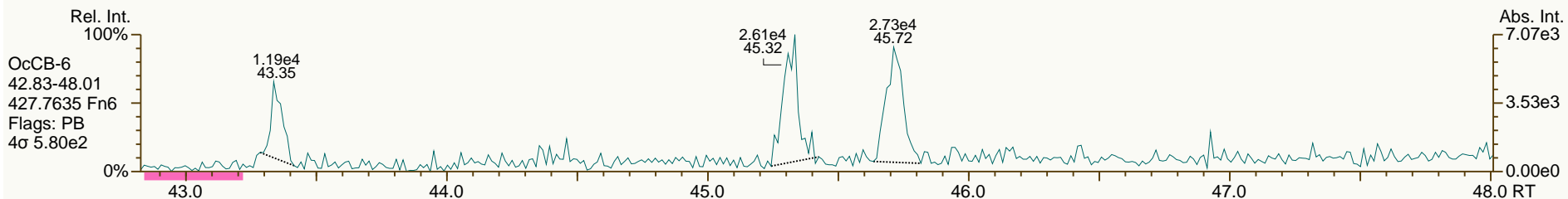
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

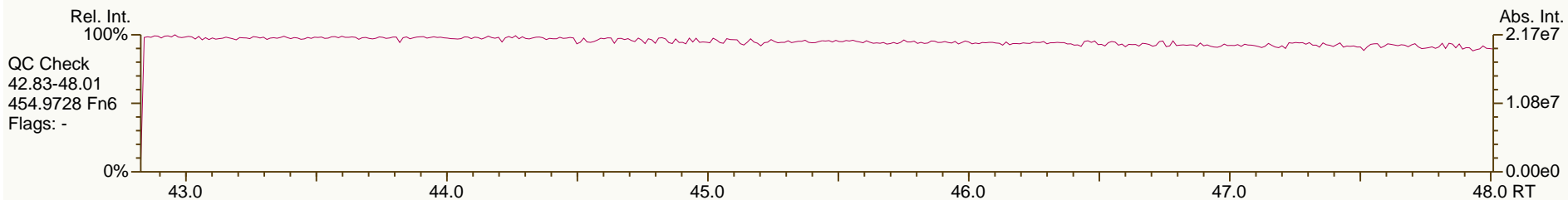
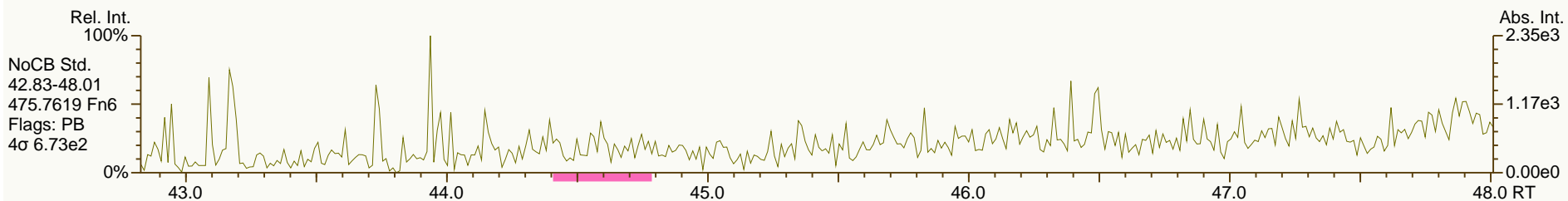
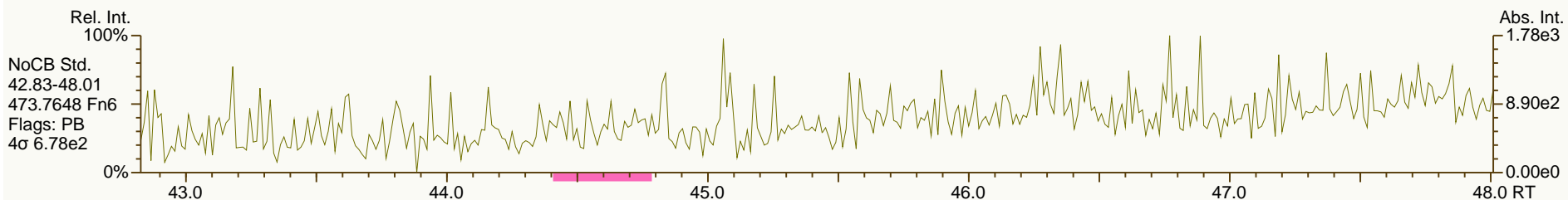
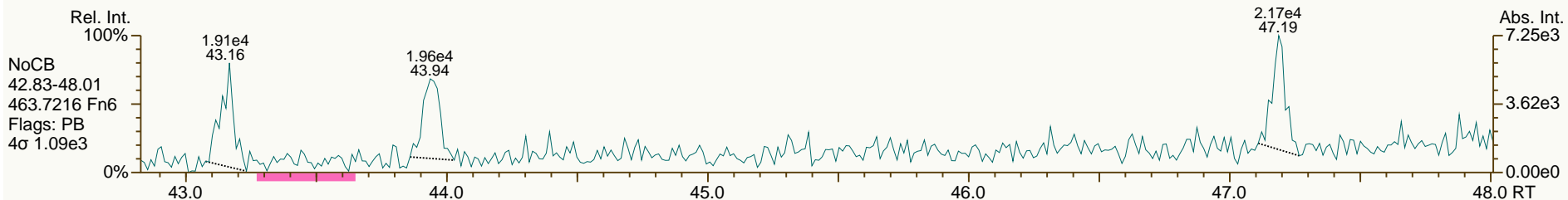
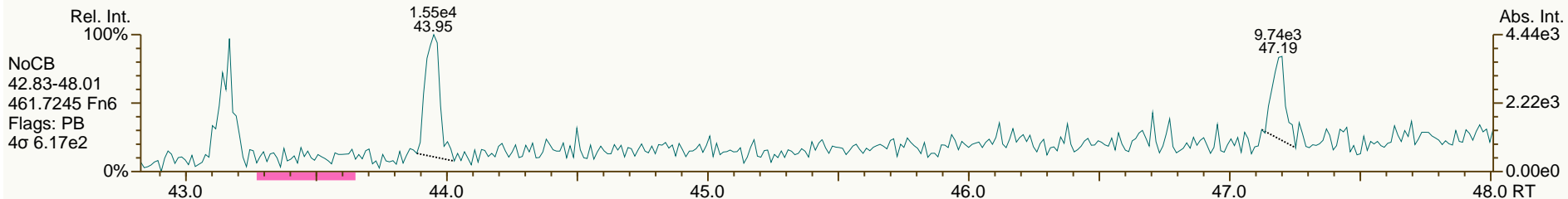
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

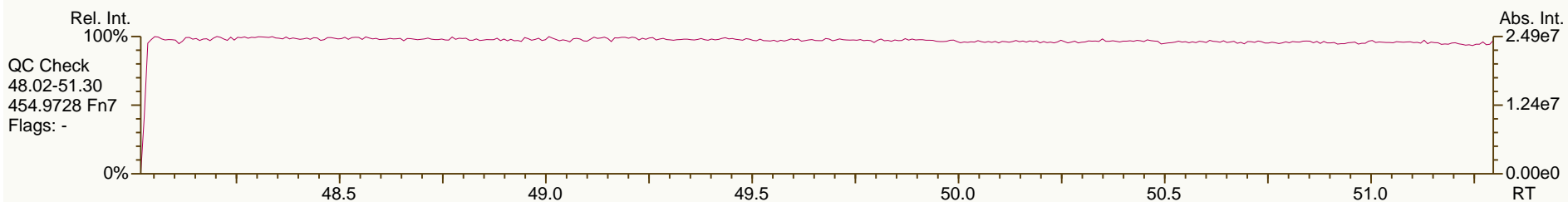
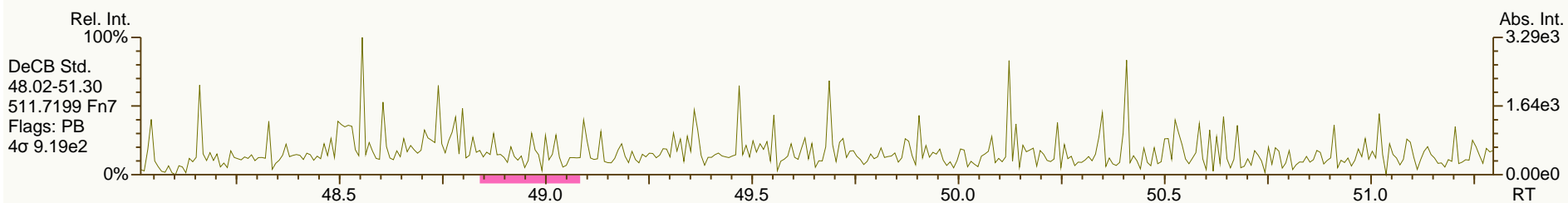
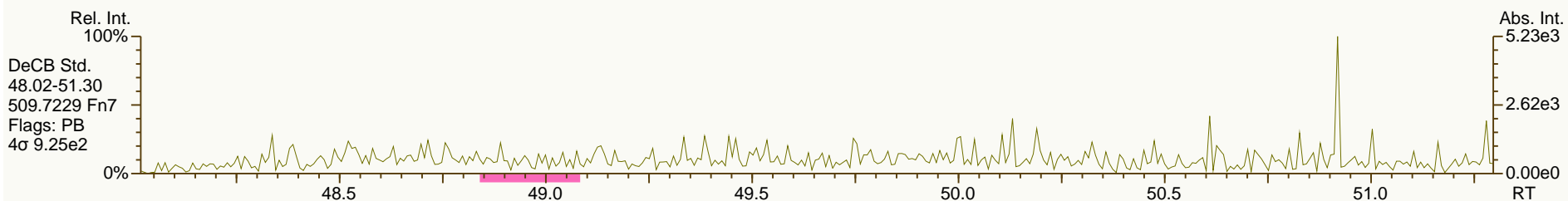
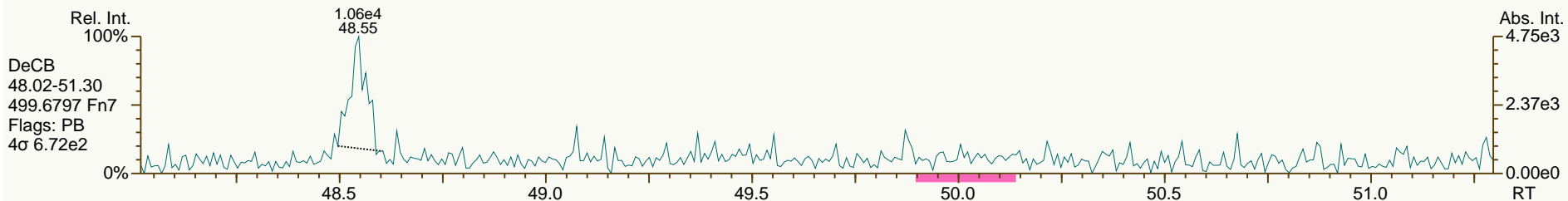
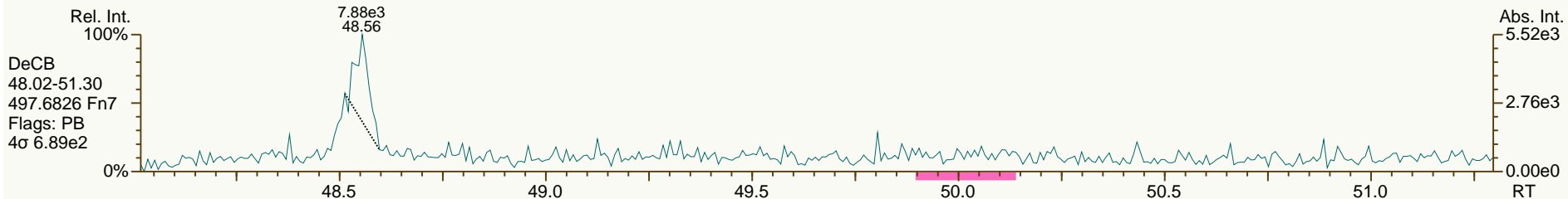
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

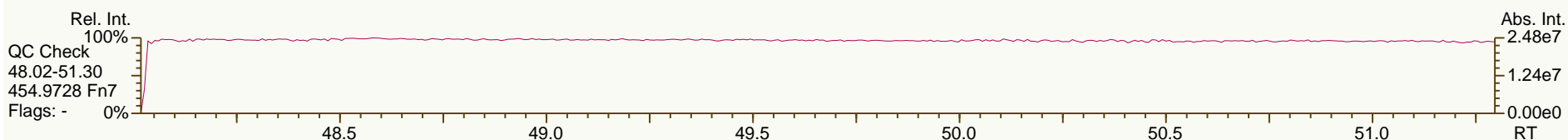
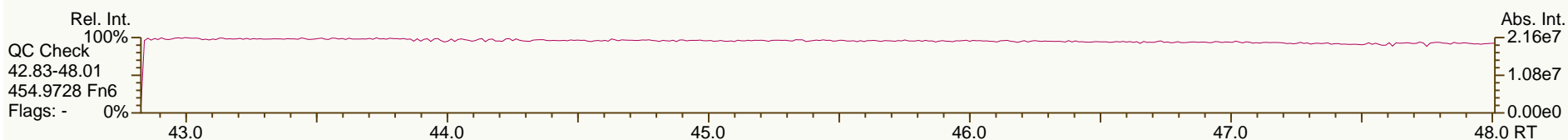
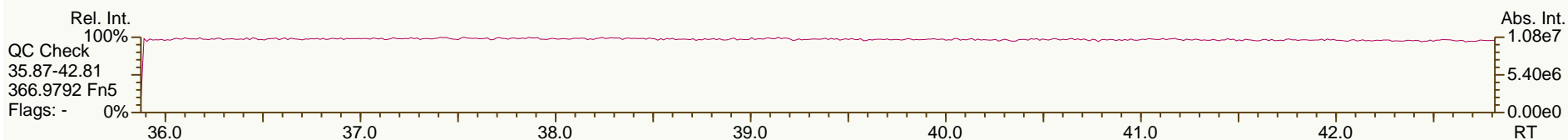
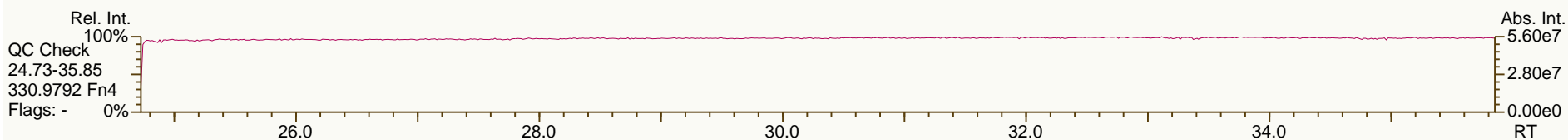
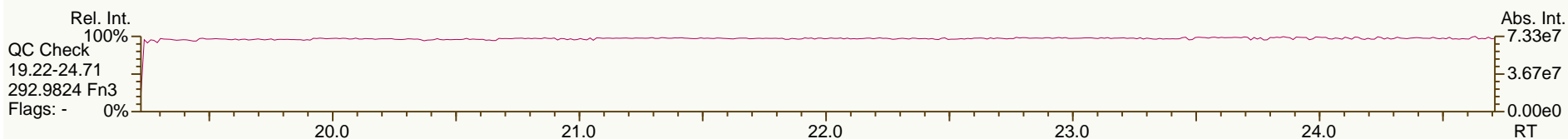
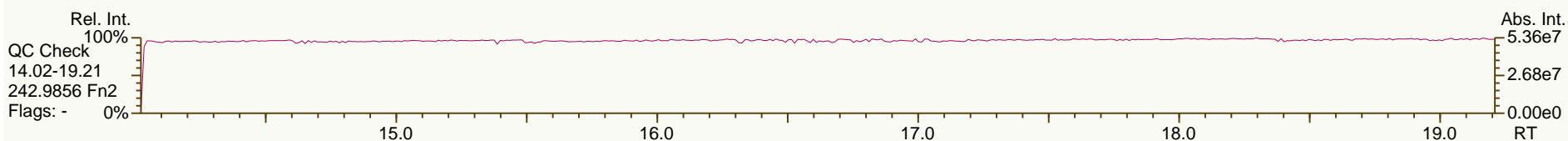
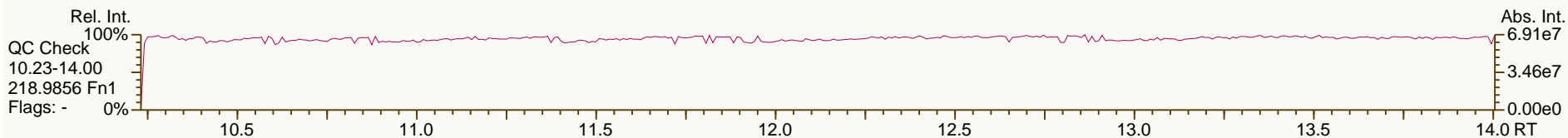
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SC
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

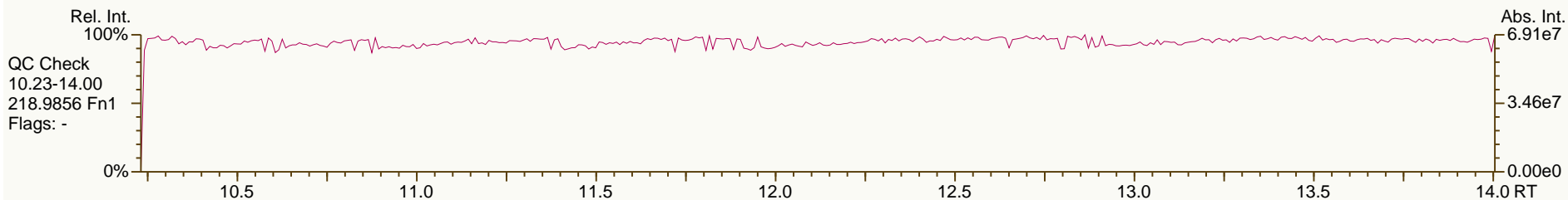
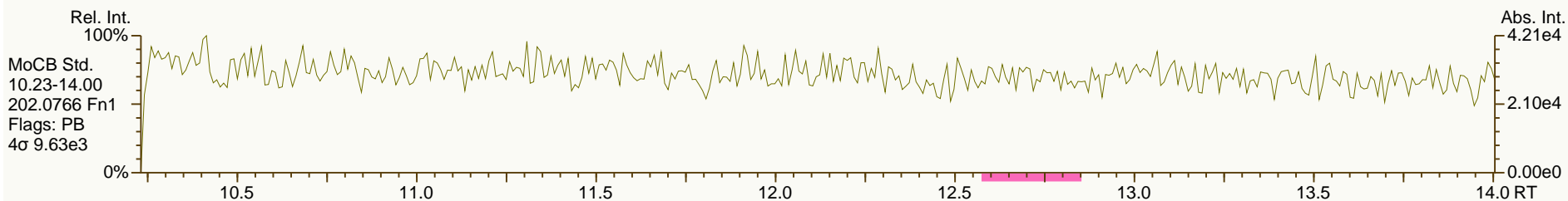
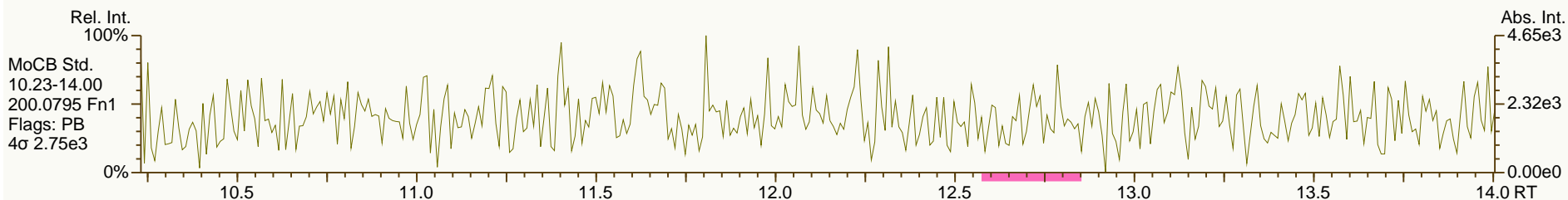
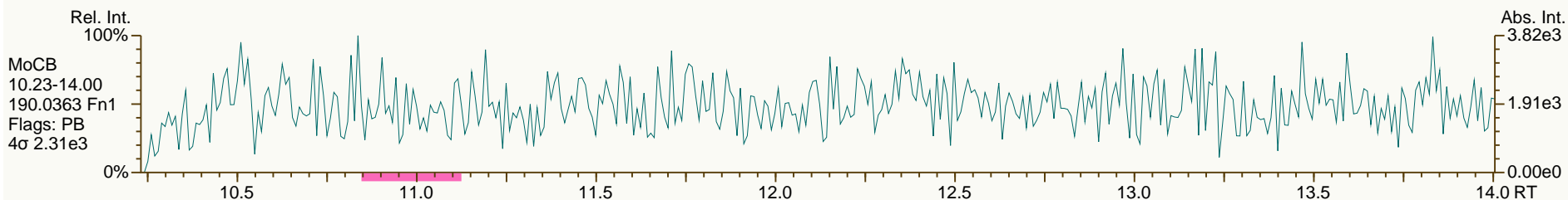
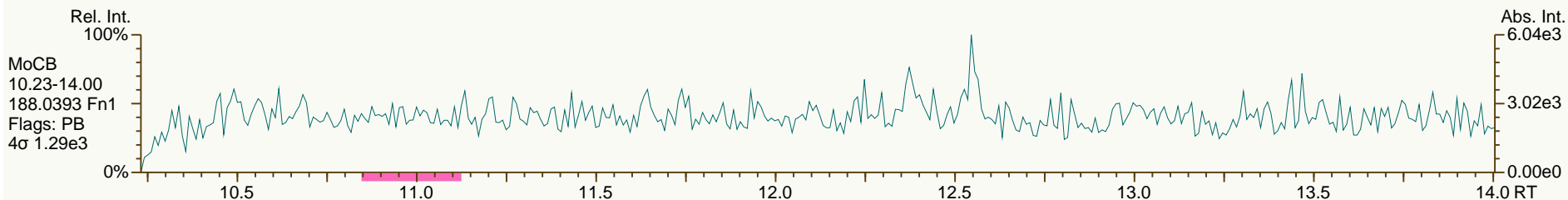
Acq: 26-Jan-2012 22:45:51
User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

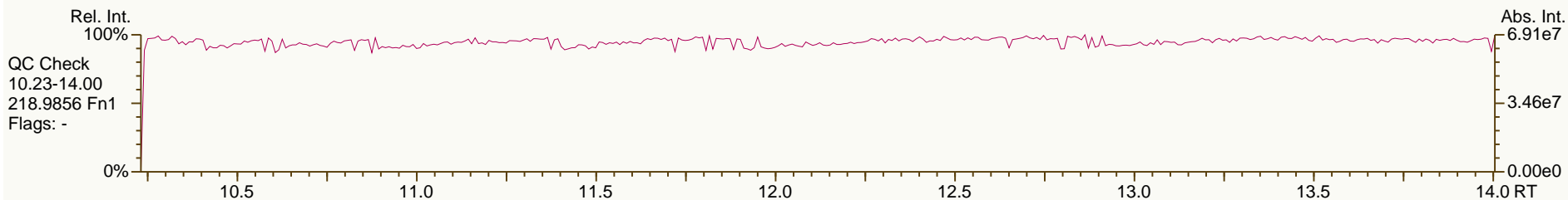
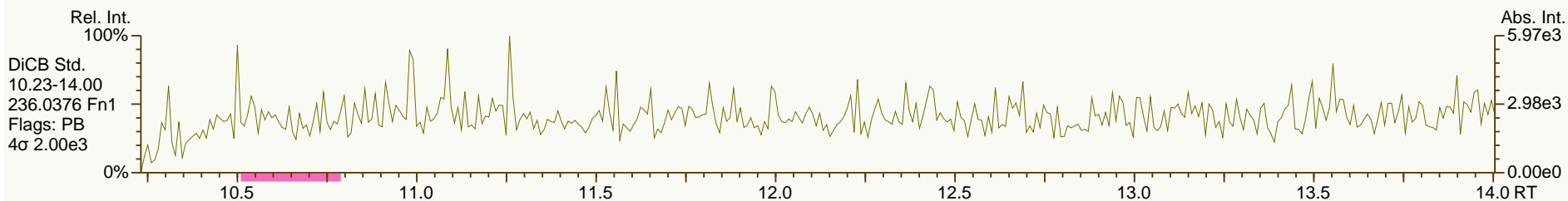
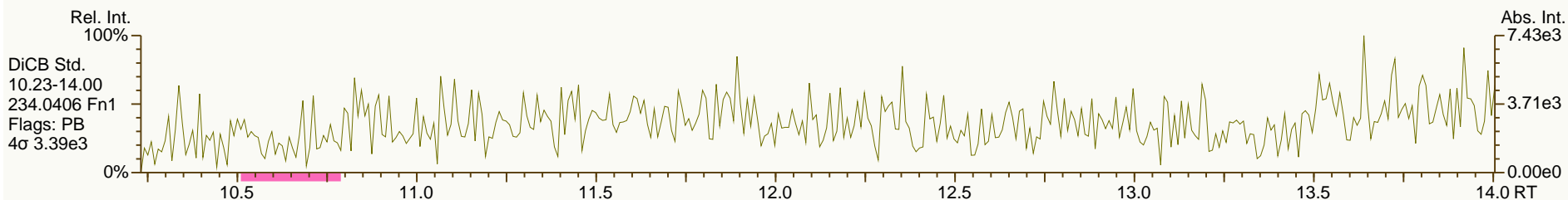
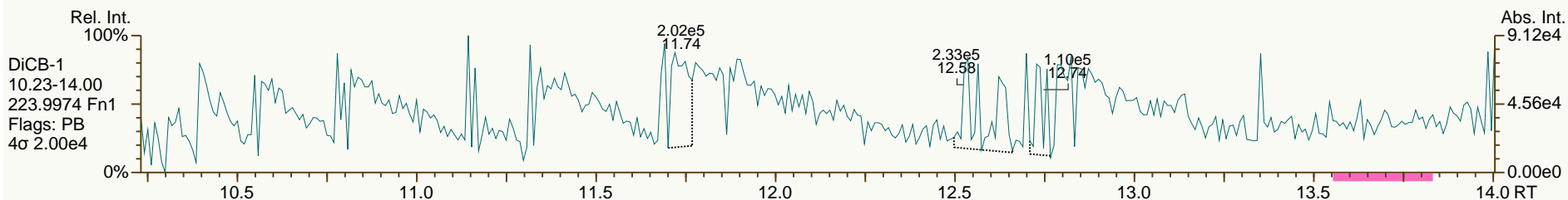
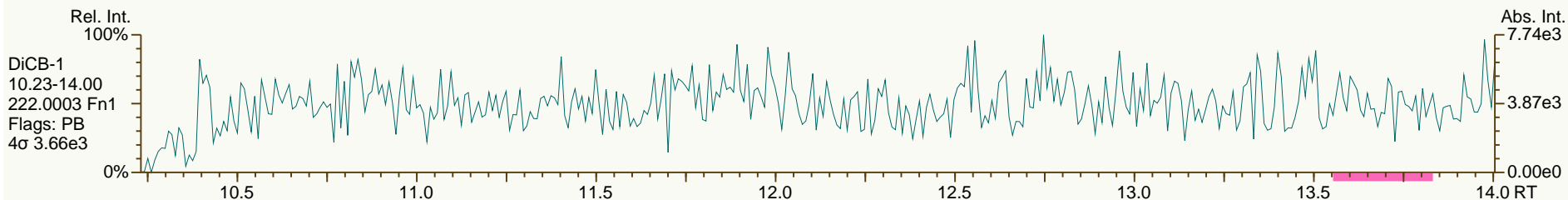
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

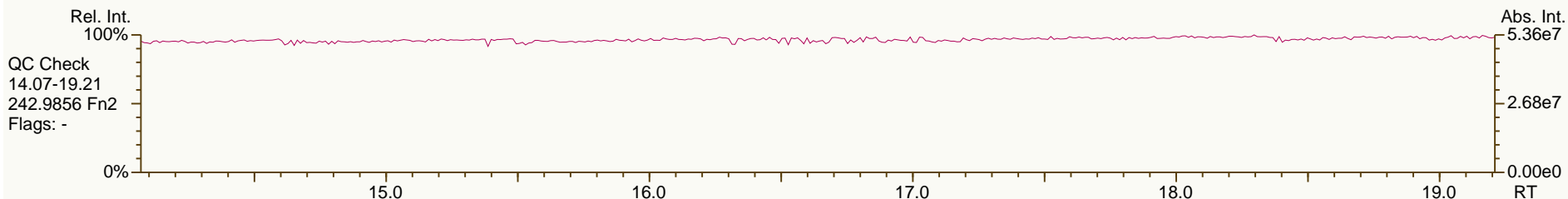
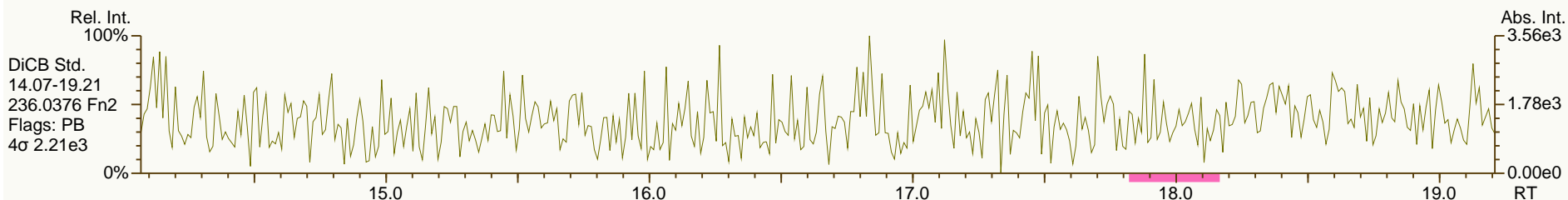
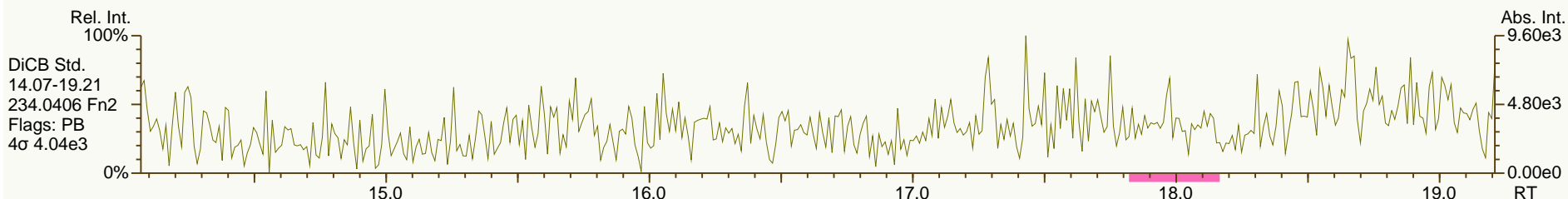
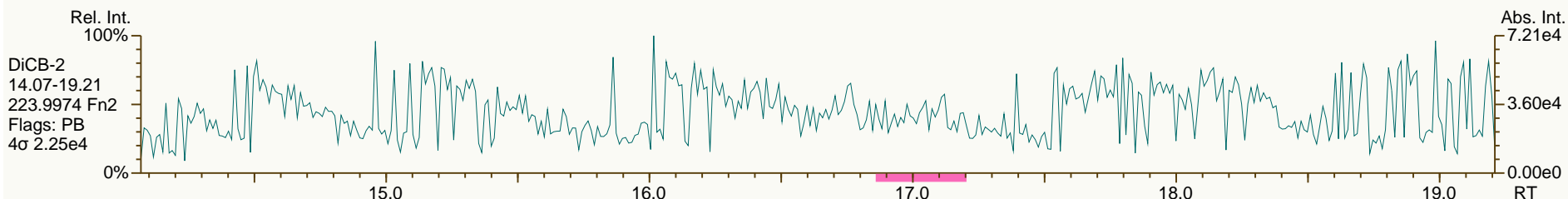
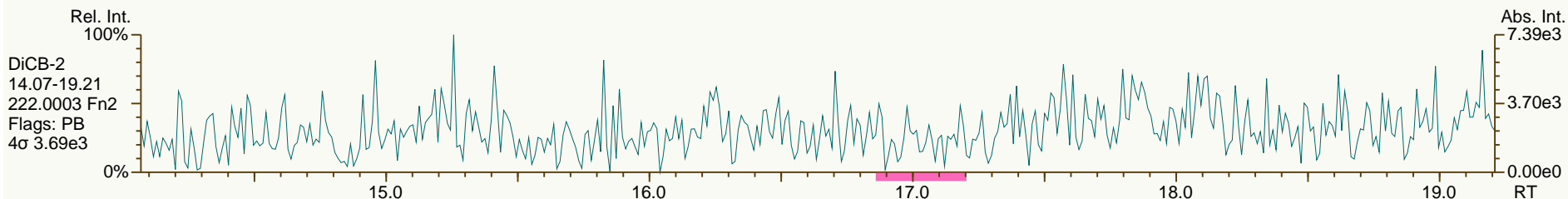
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

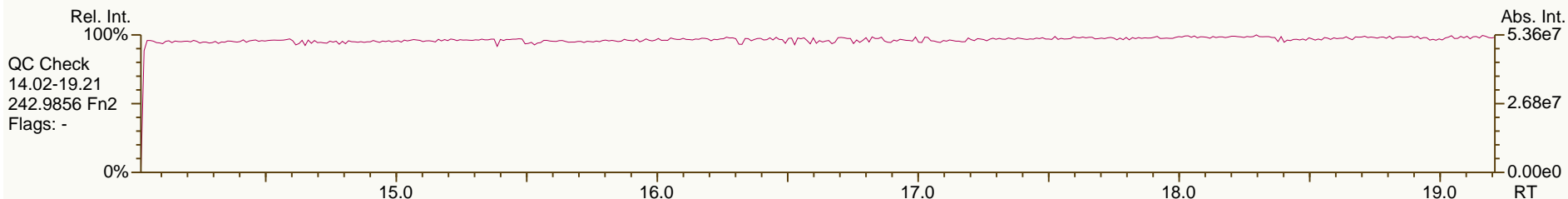
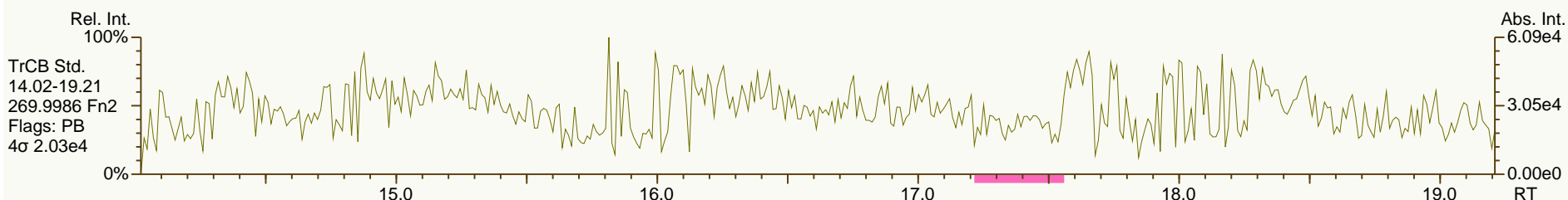
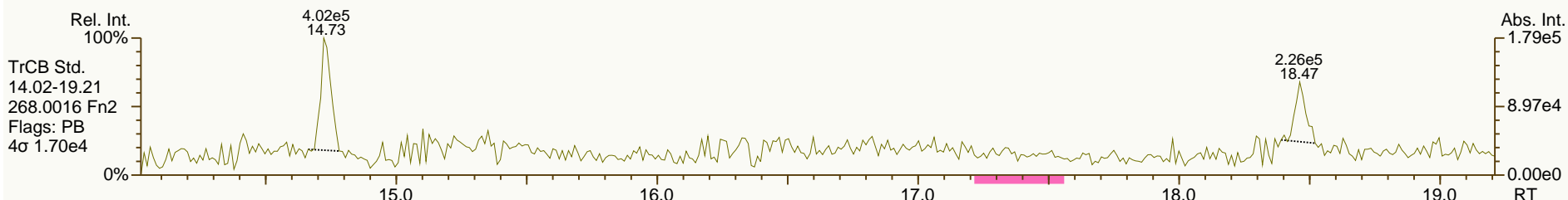
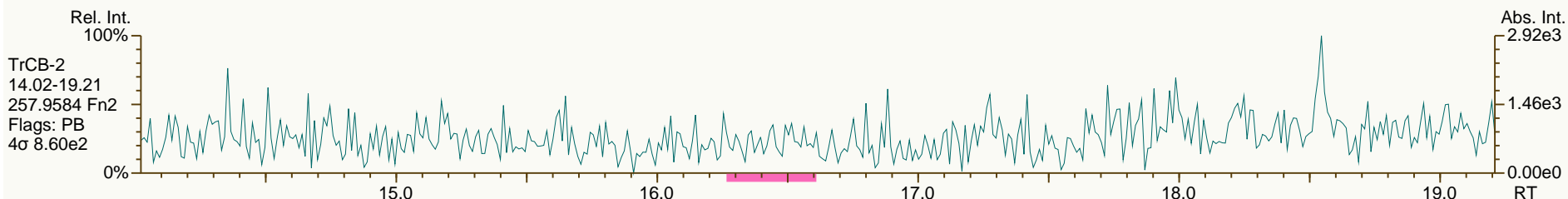
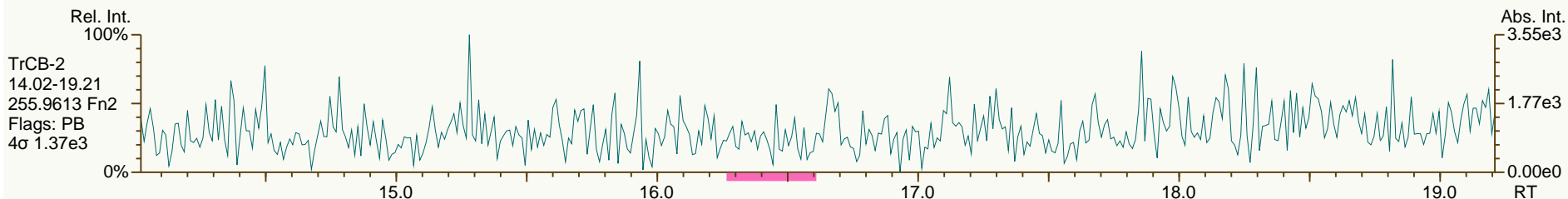
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

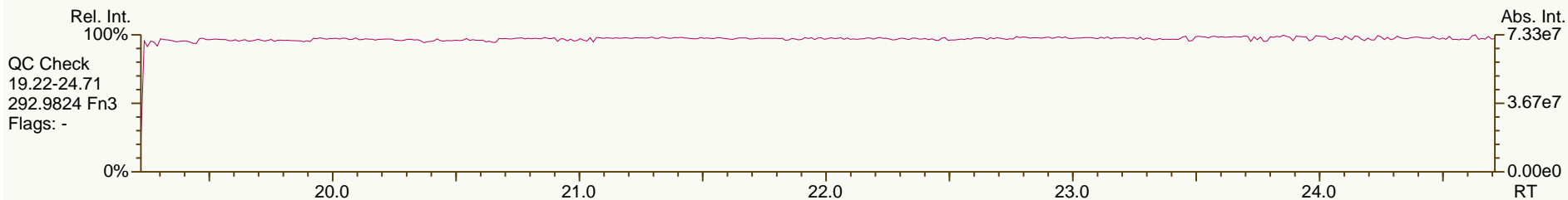
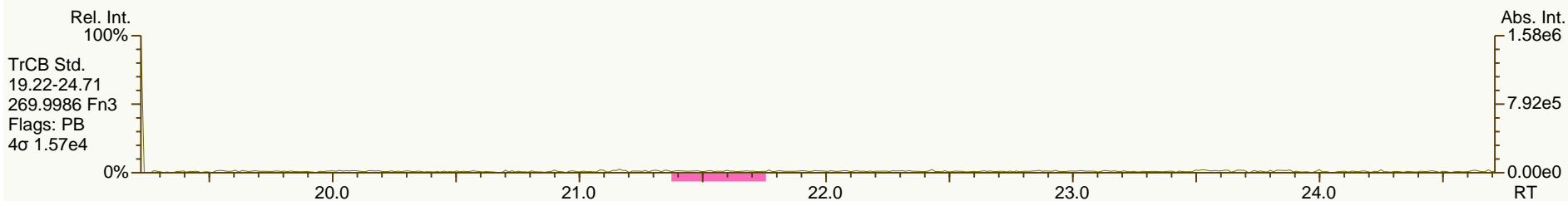
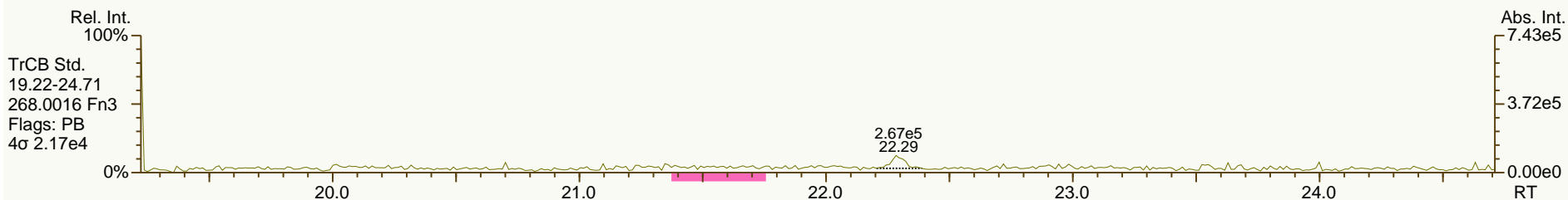
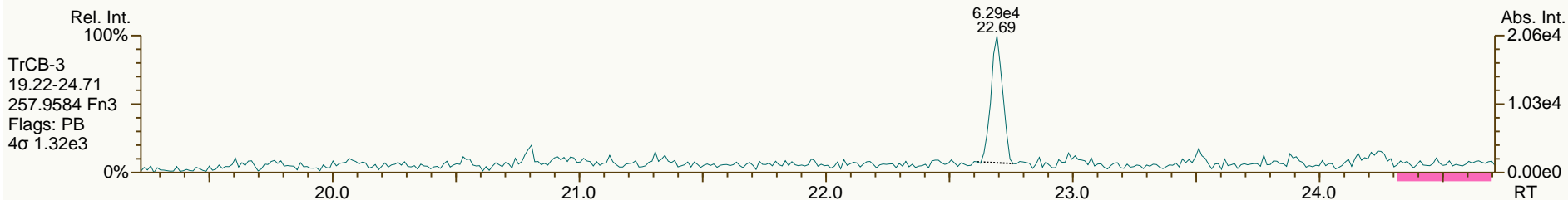
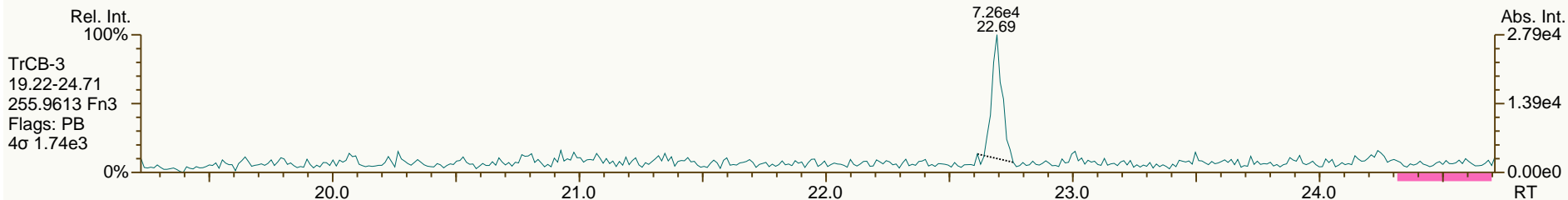
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

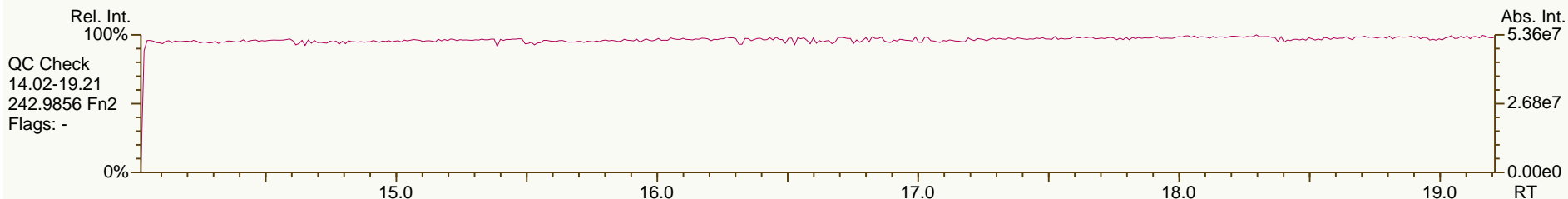
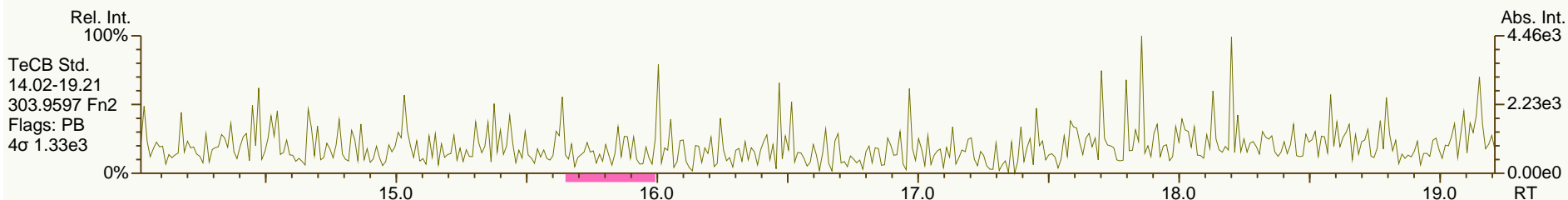
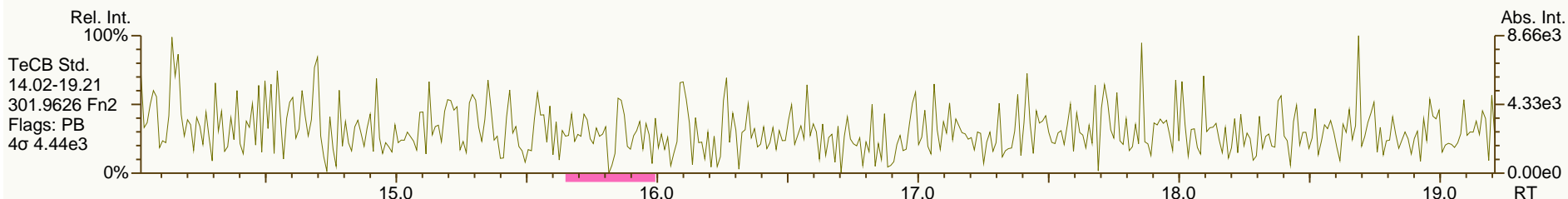
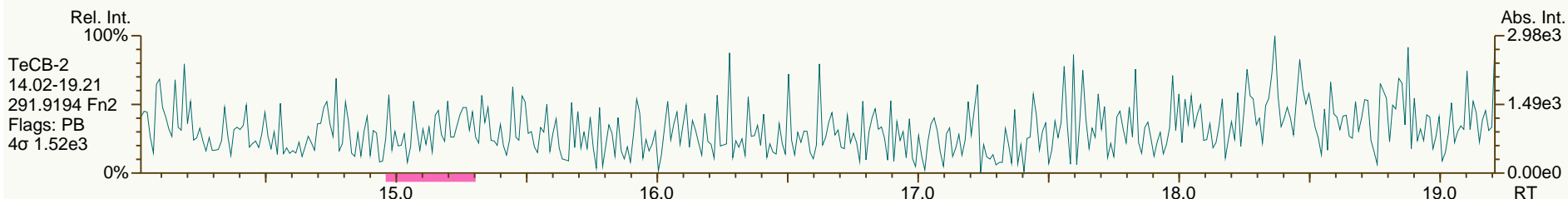
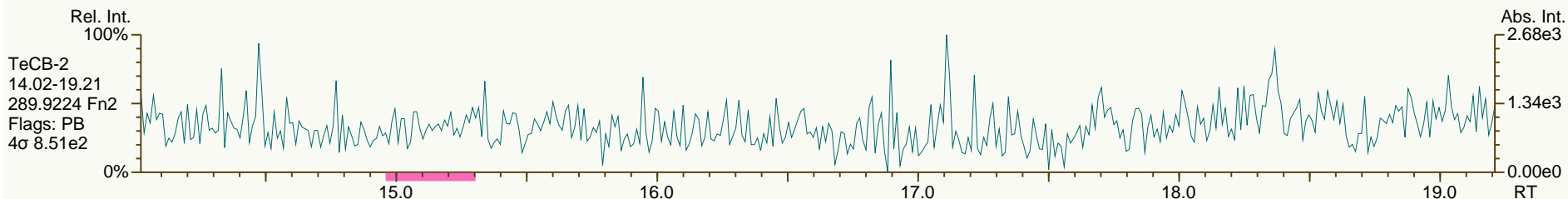
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

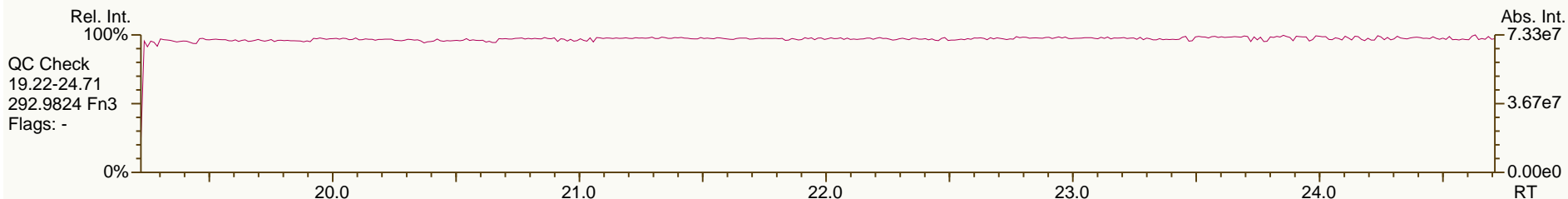
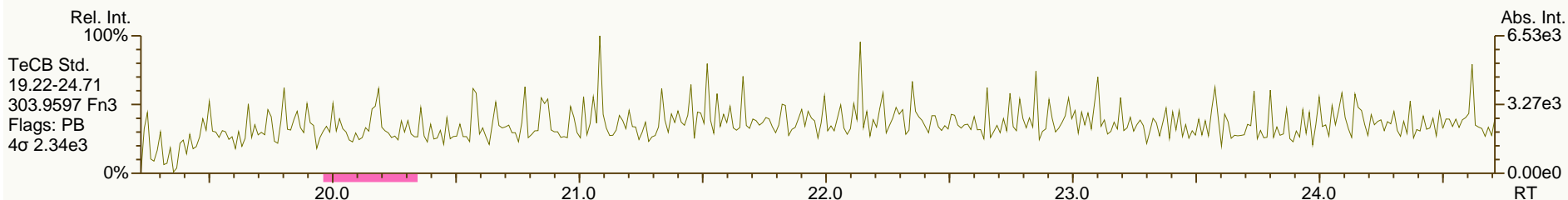
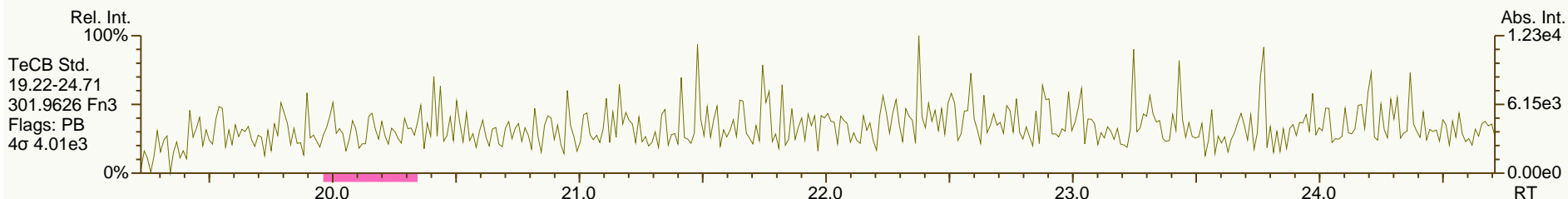
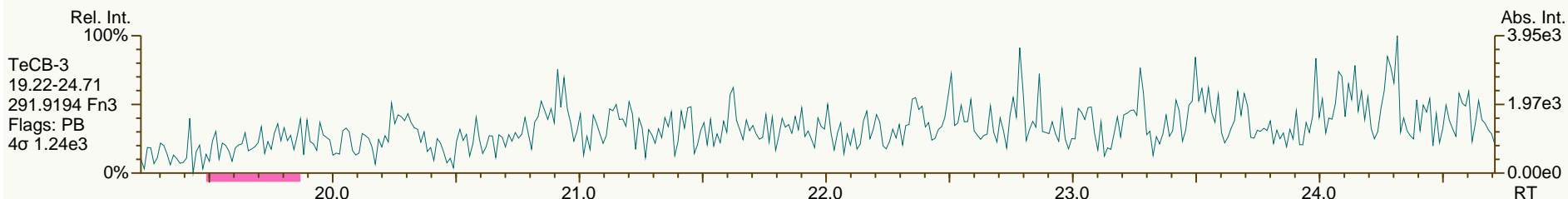
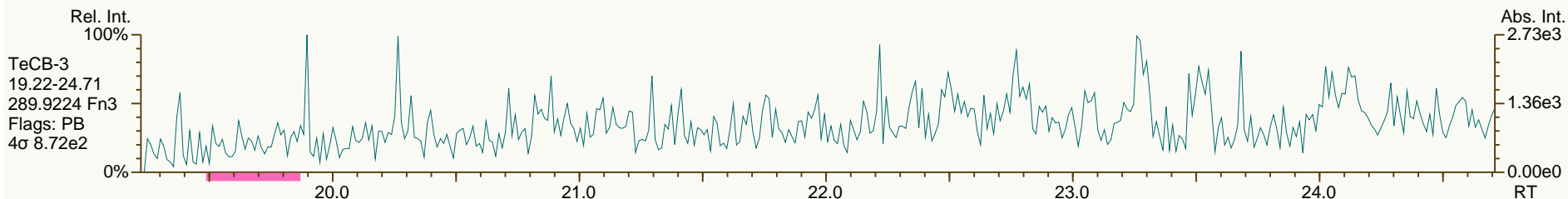
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

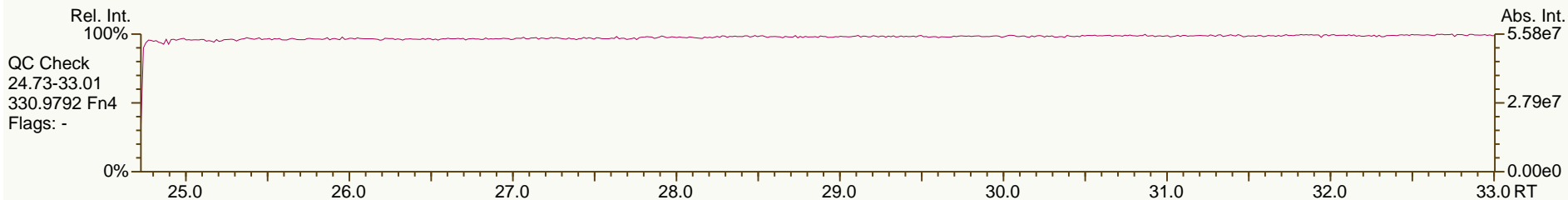
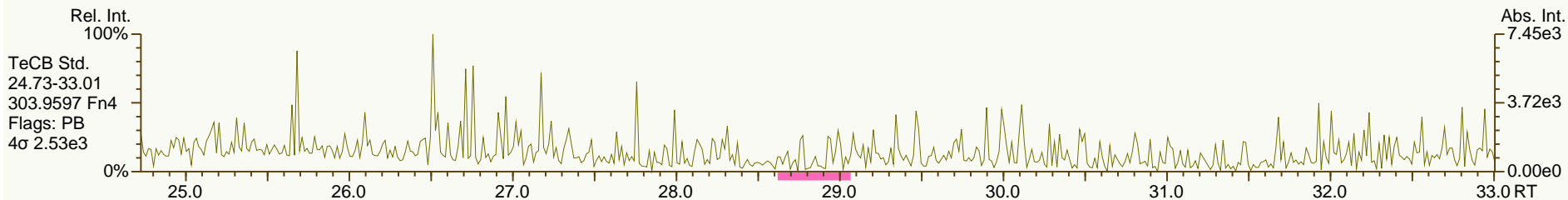
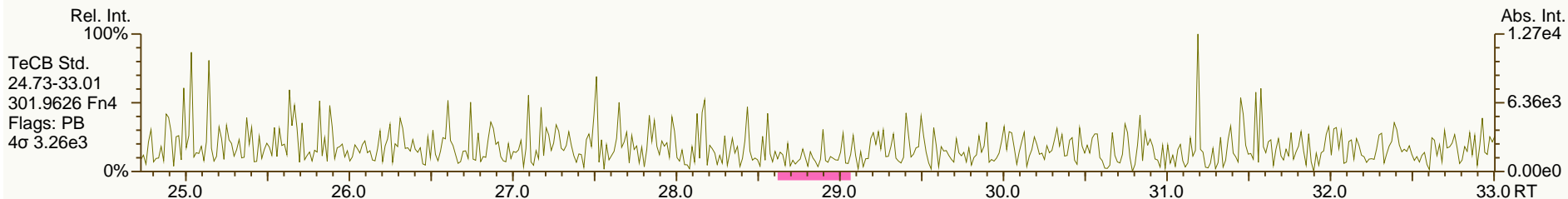
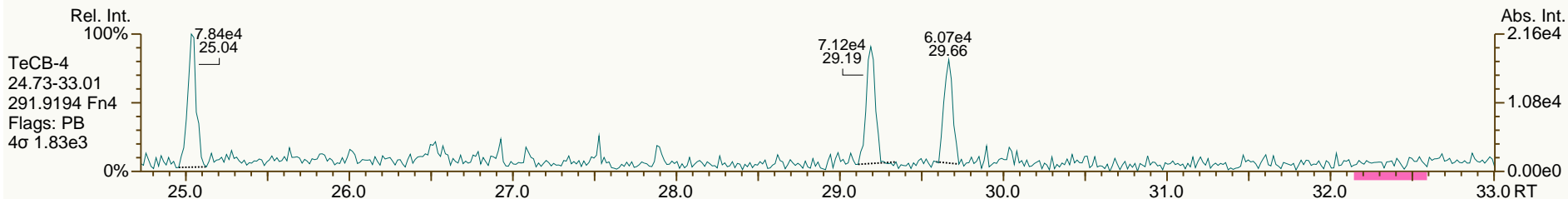
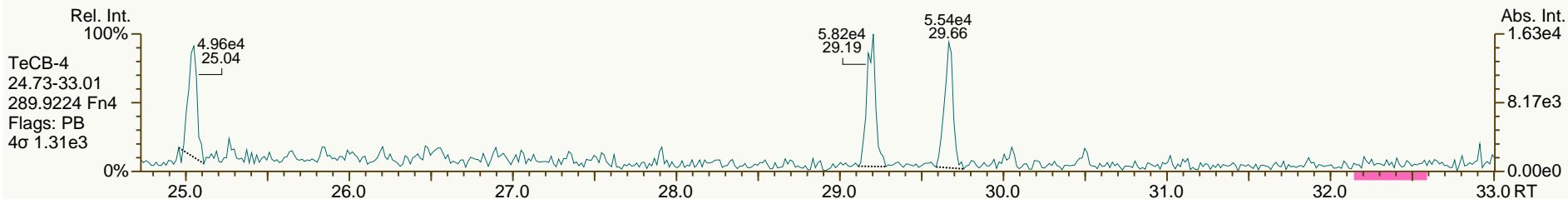
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

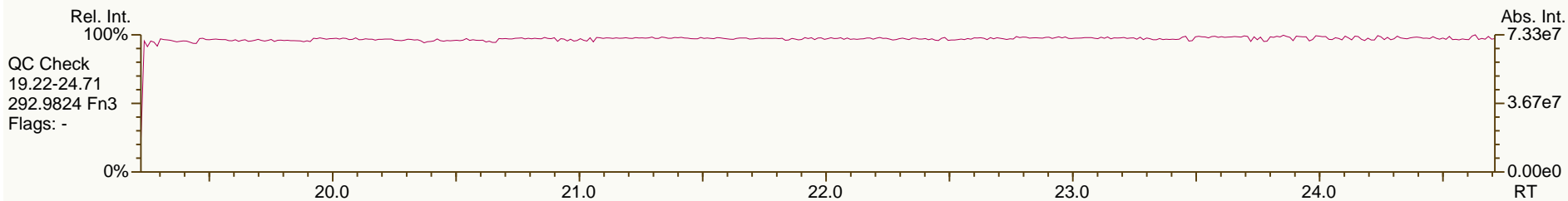
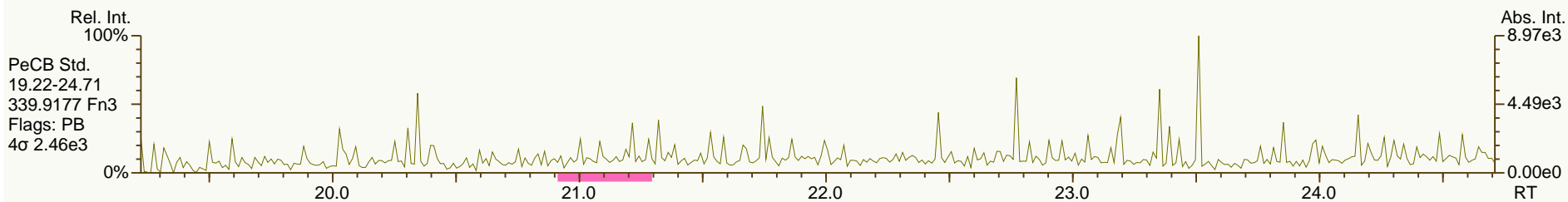
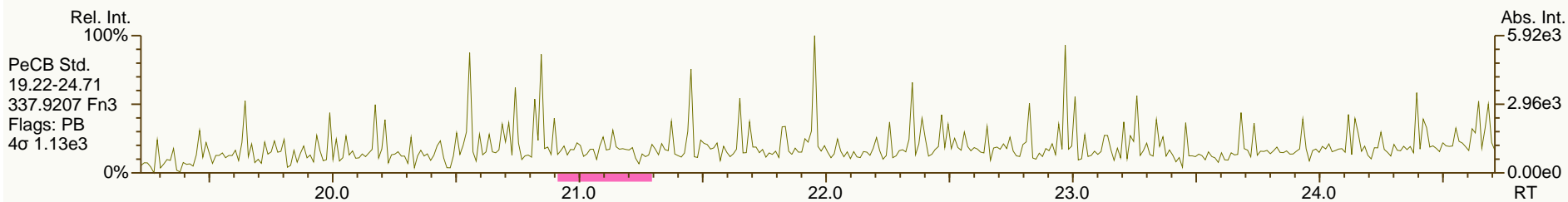
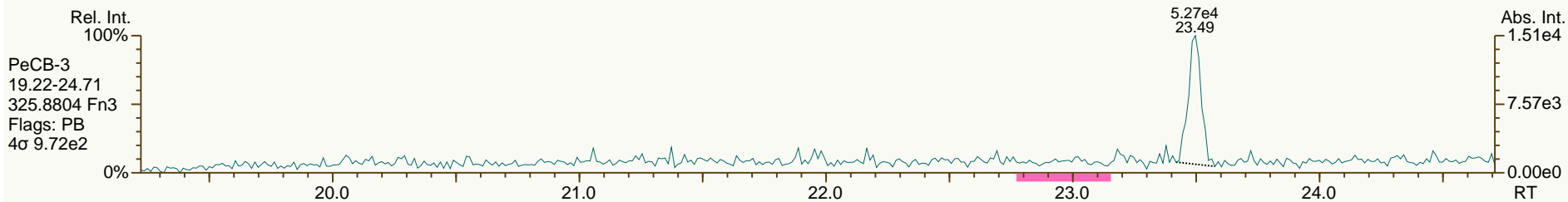
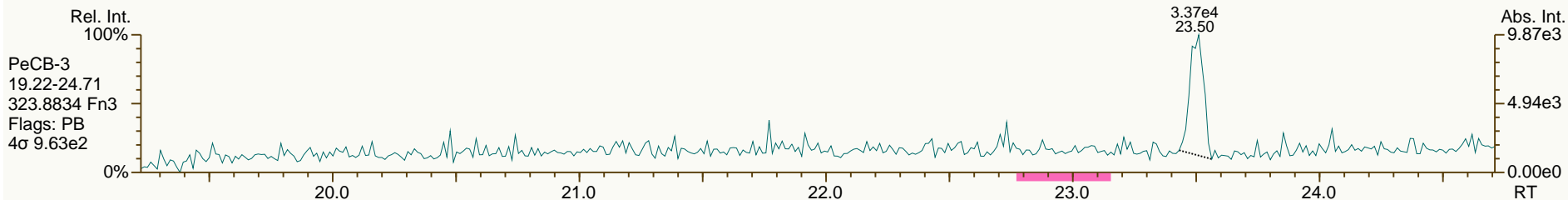
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

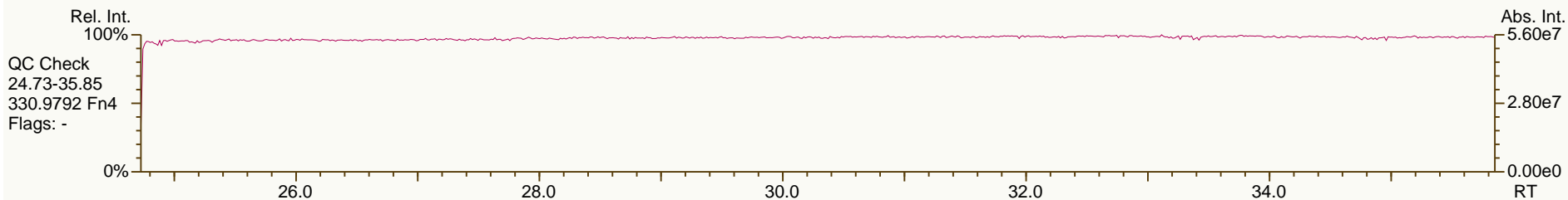
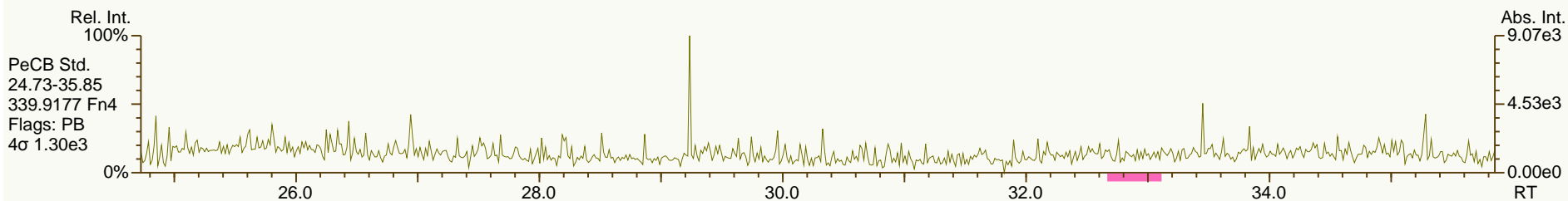
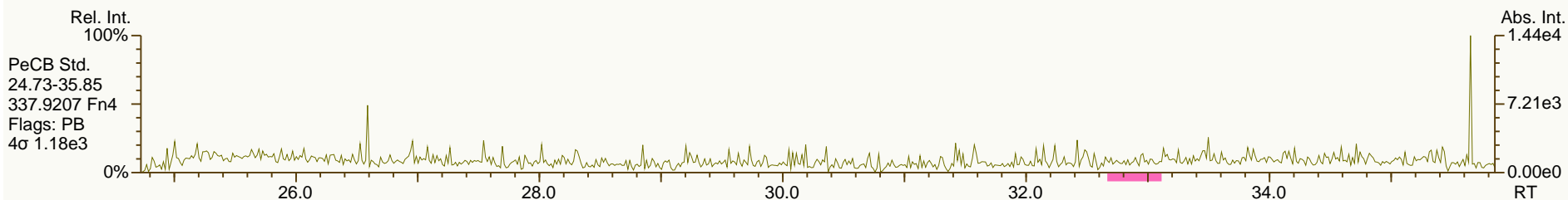
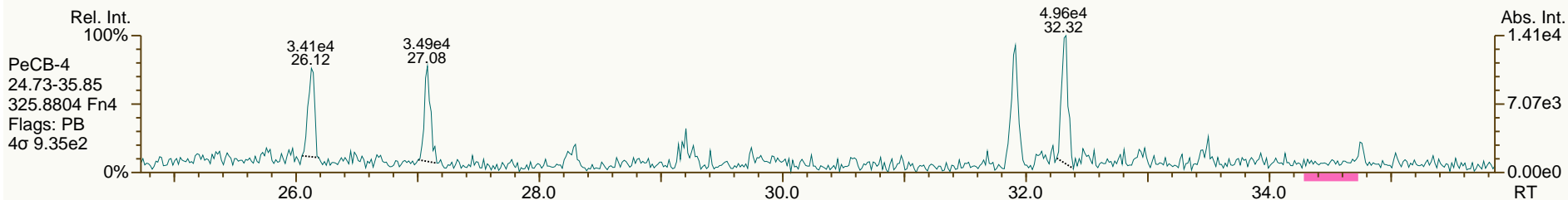
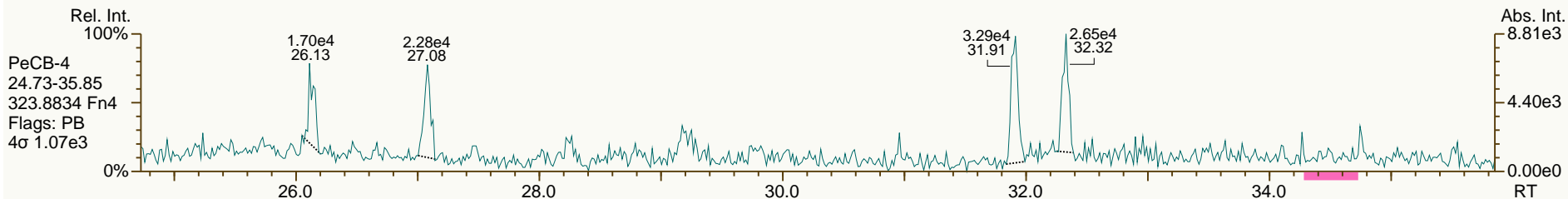
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

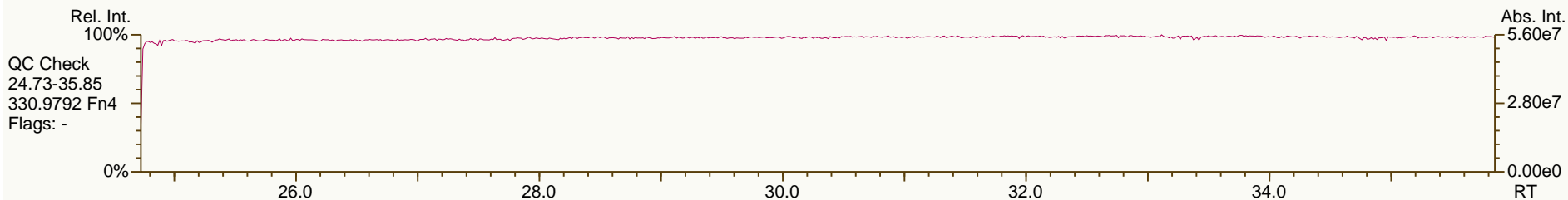
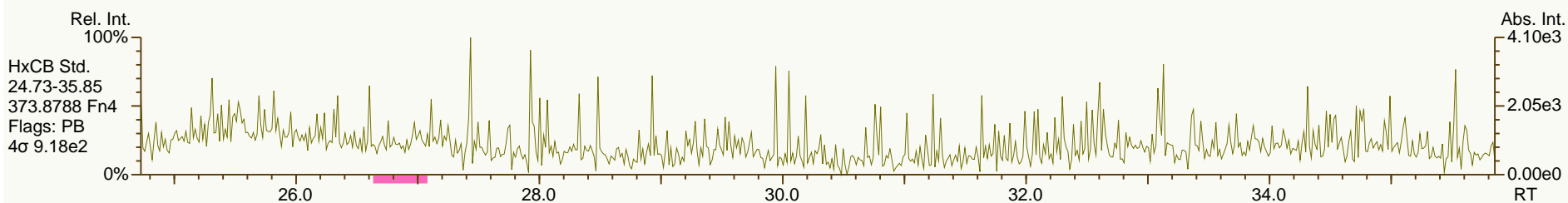
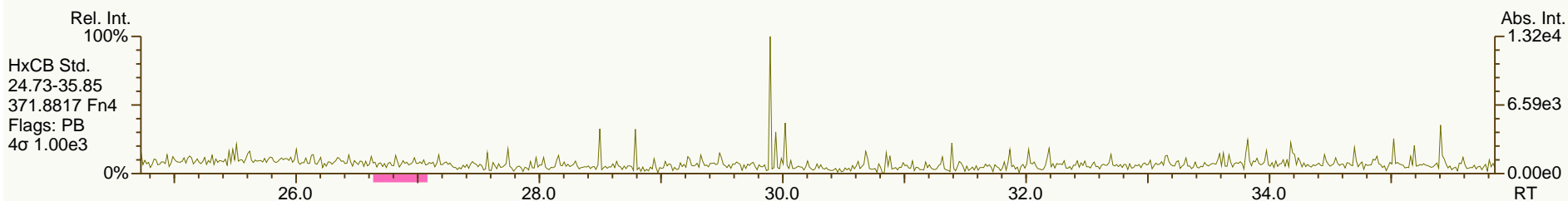
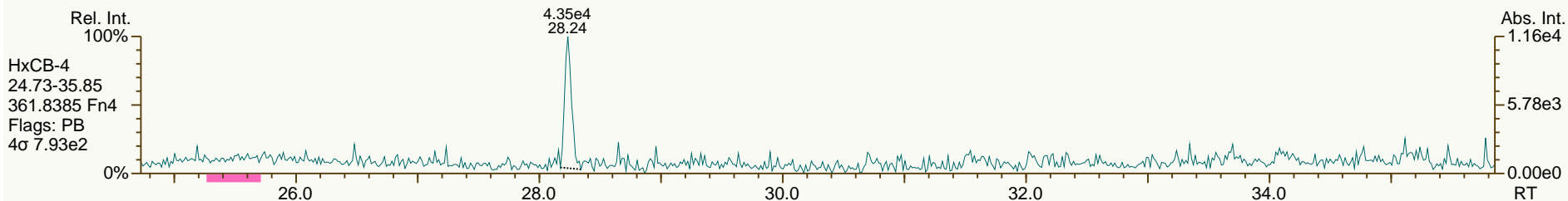
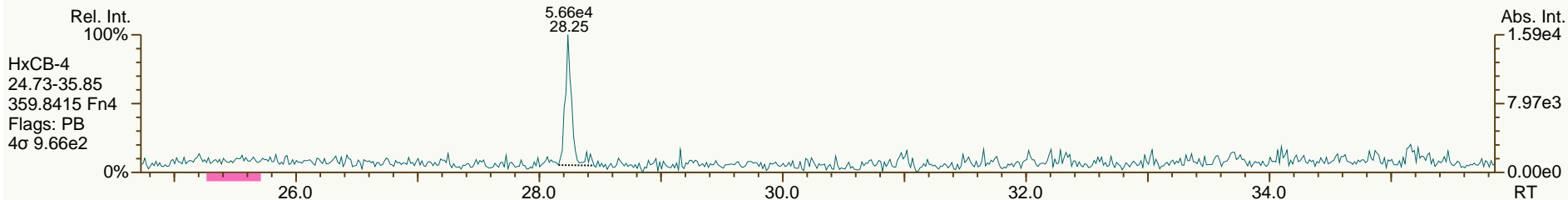
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

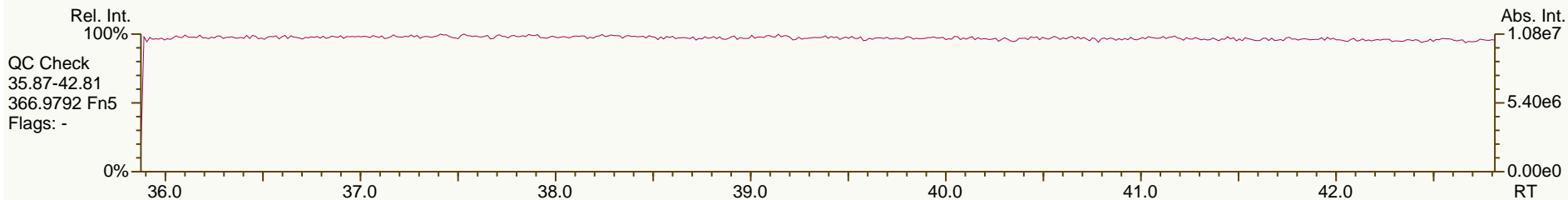
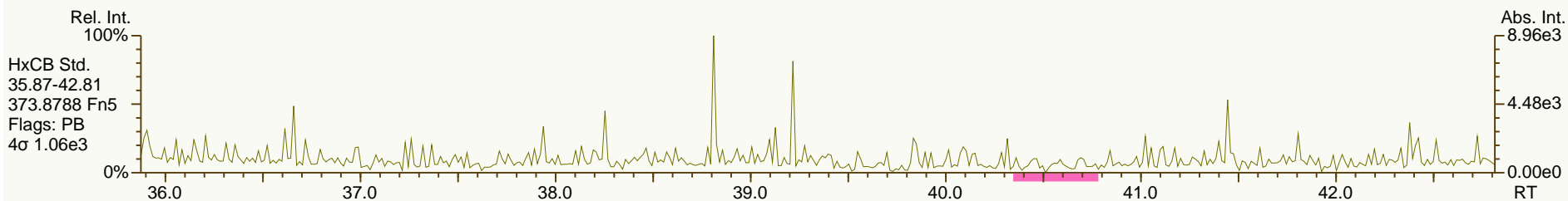
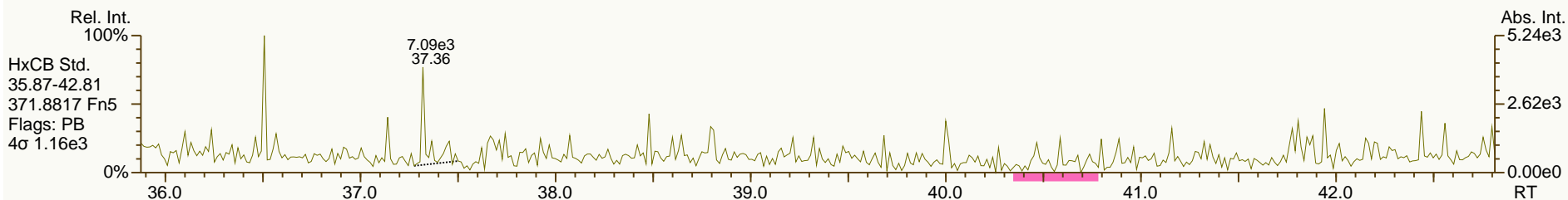
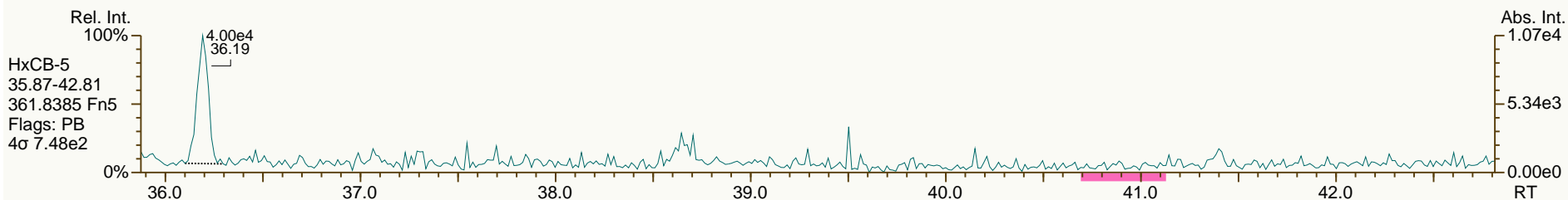
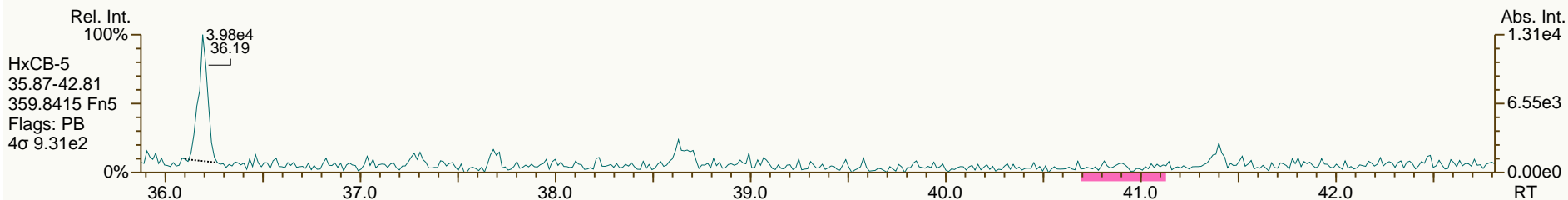
Acq: 26-Jan-2012 22:45:51
User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

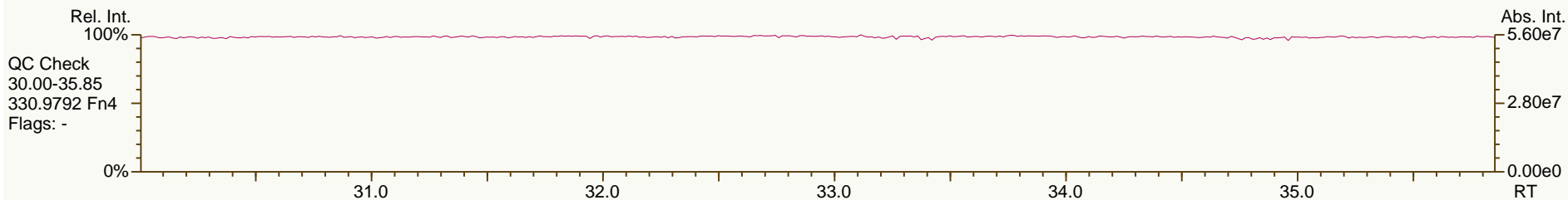
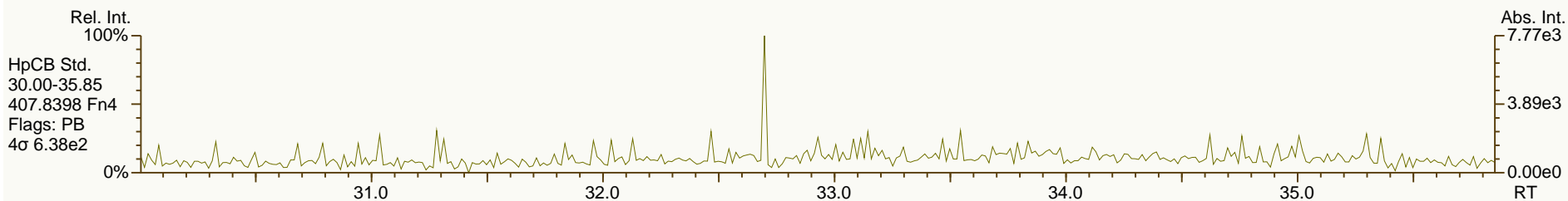
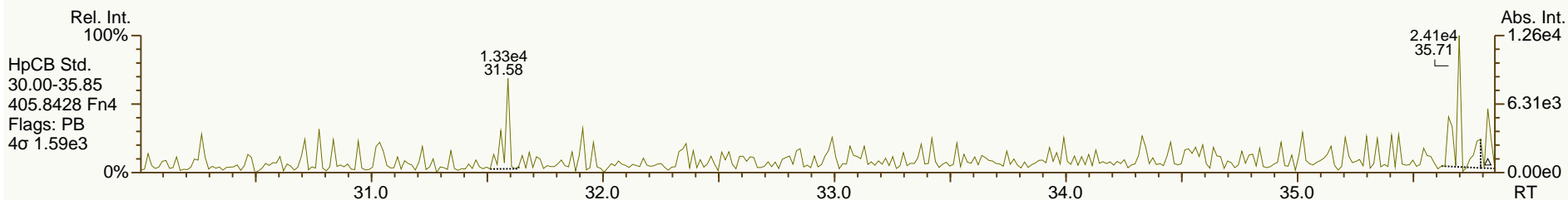
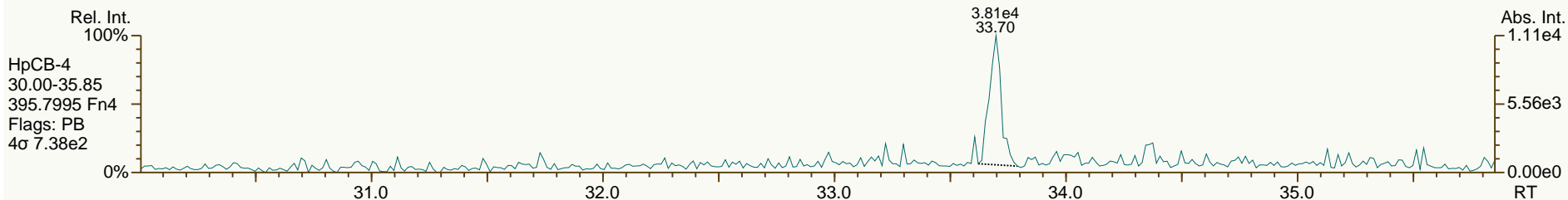
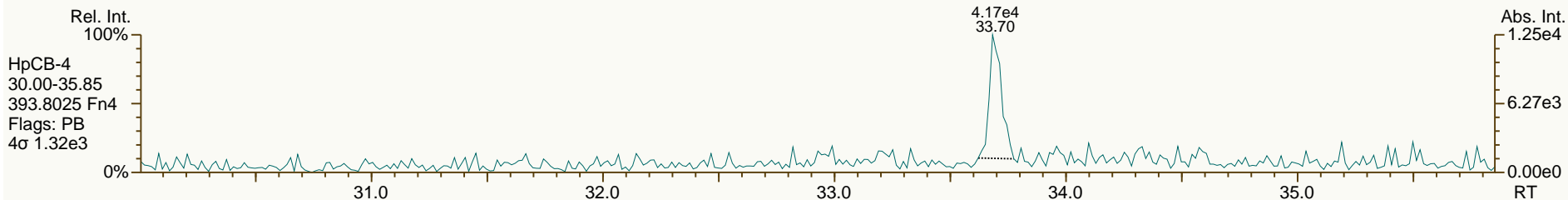
Acq: 26-Jan-2012 22:45:51
User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

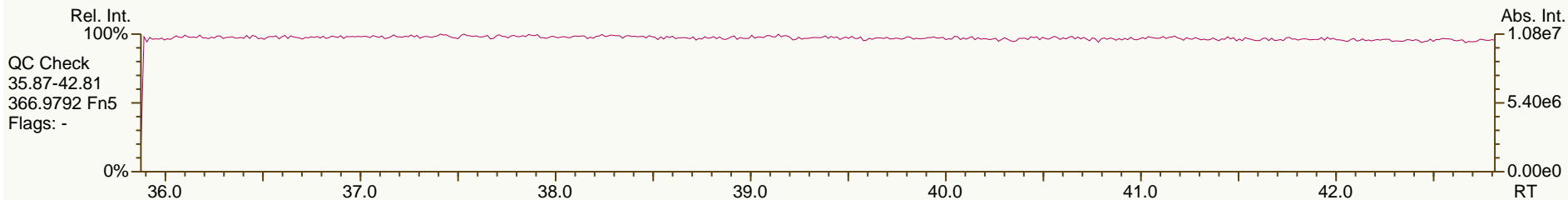
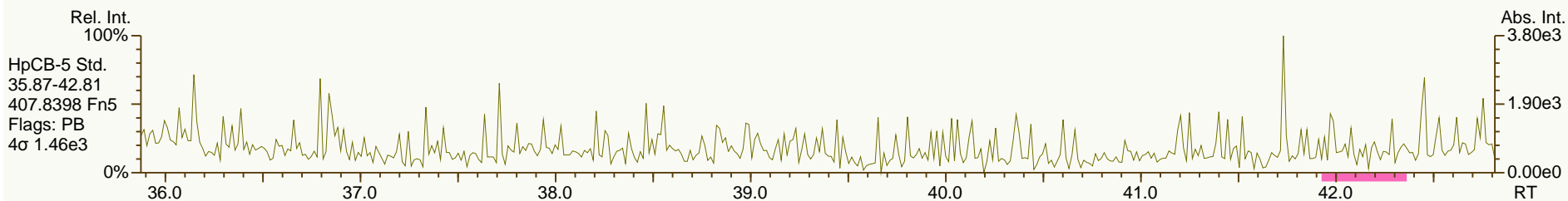
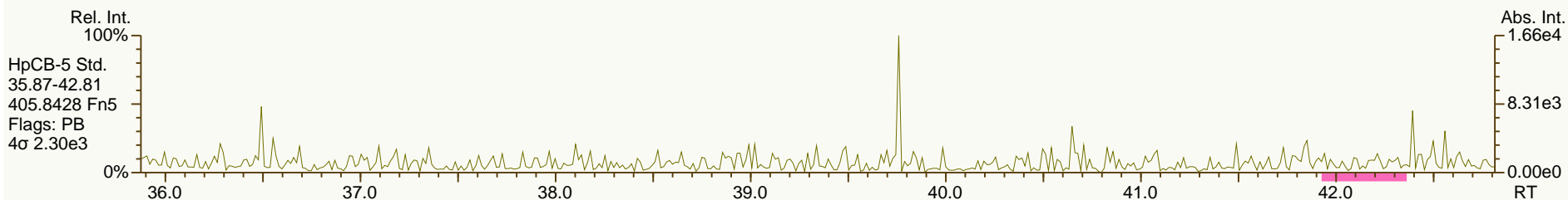
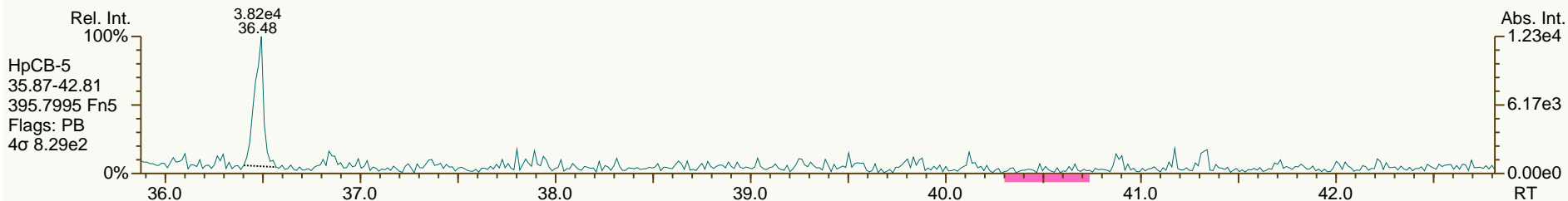
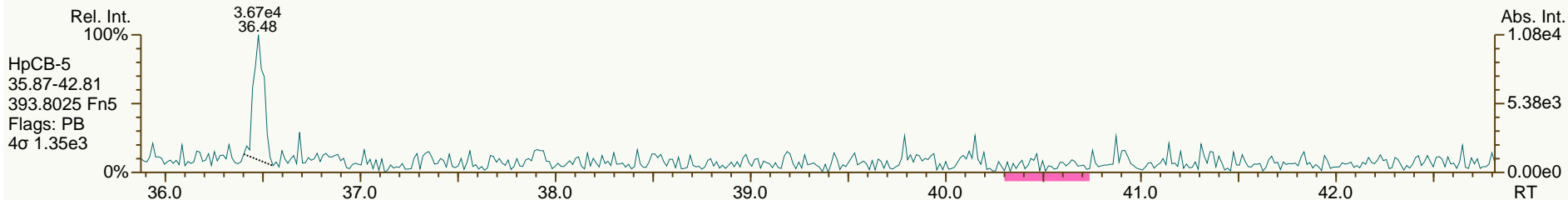
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

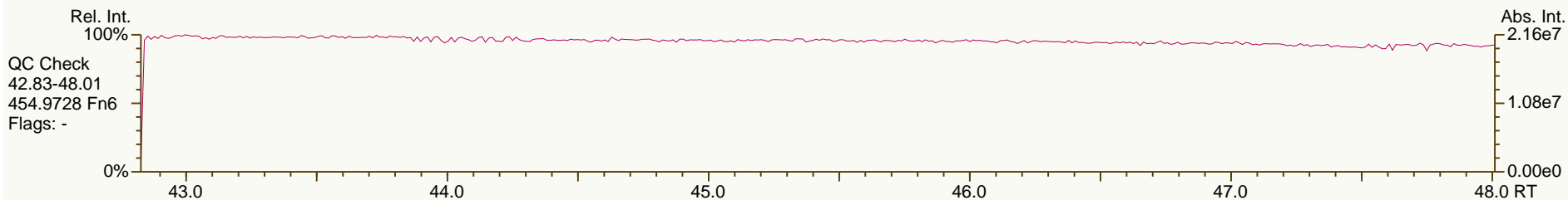
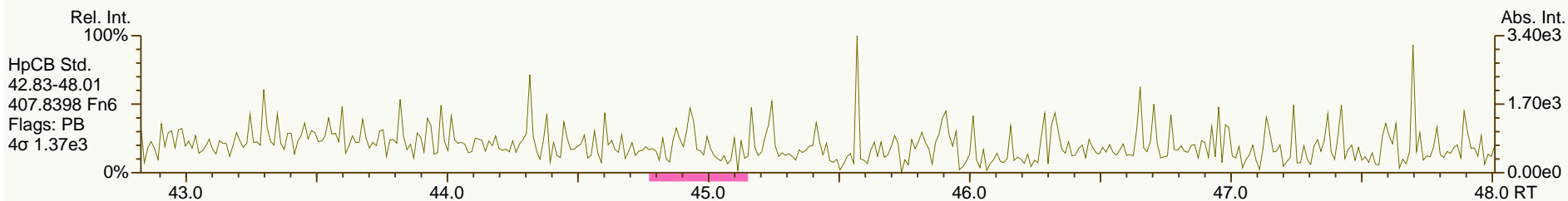
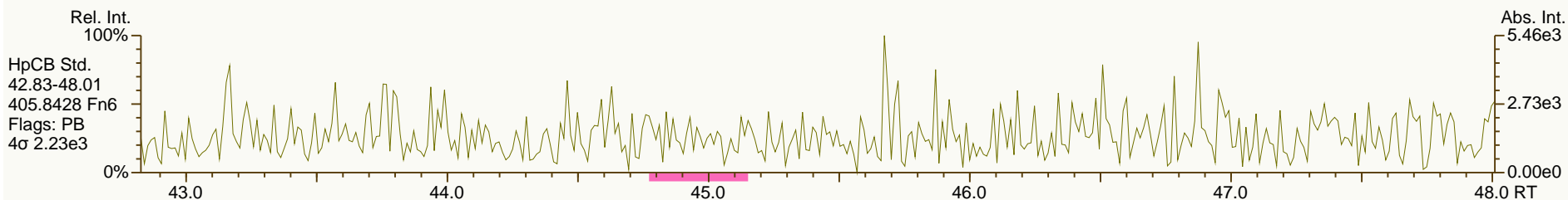
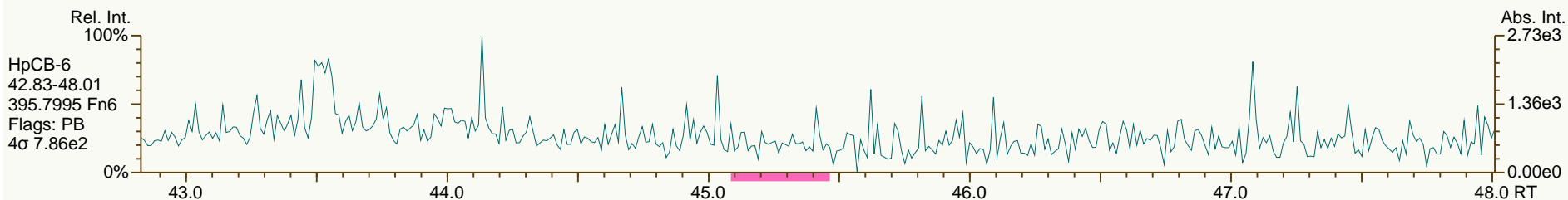
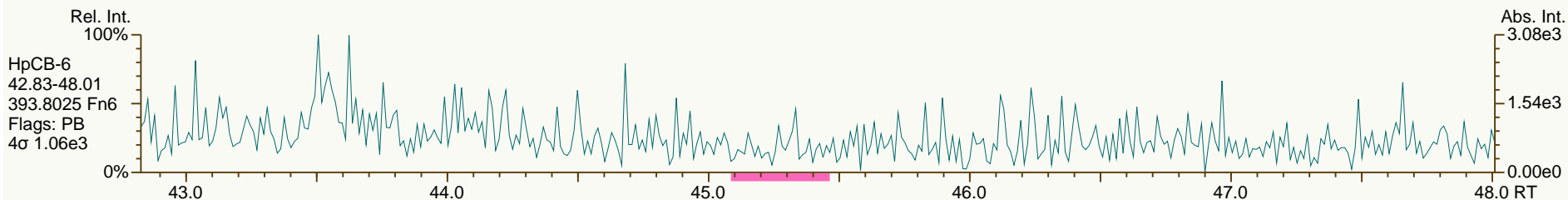
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

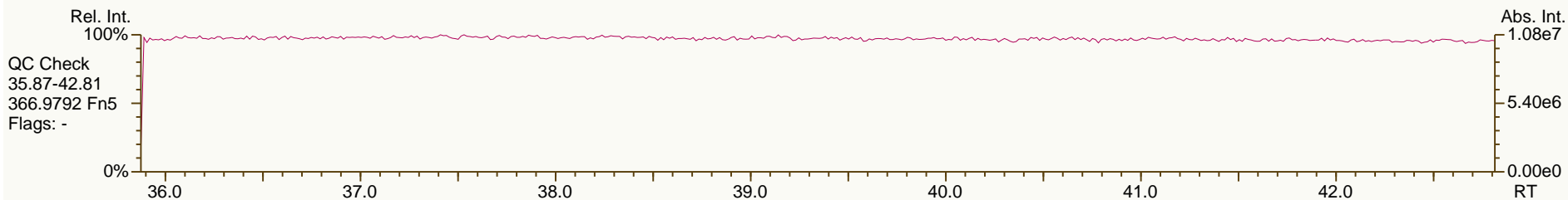
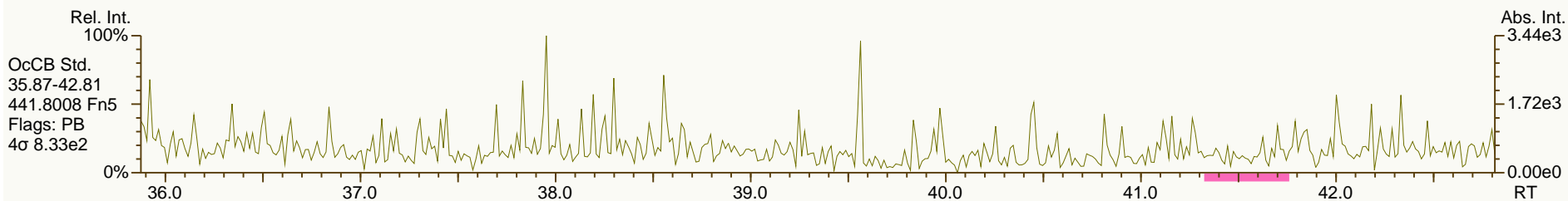
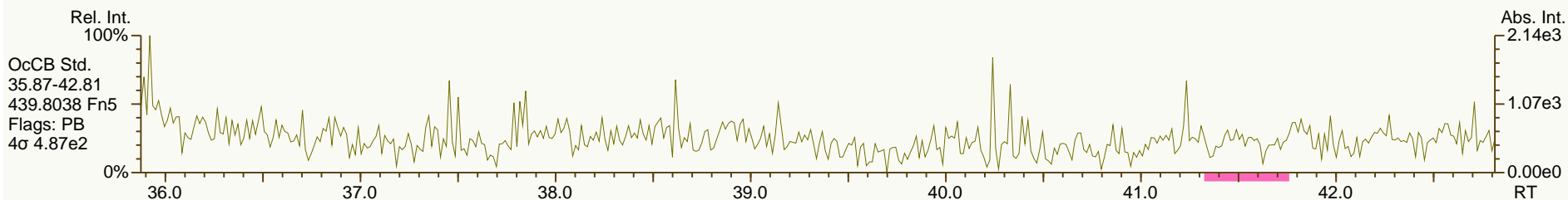
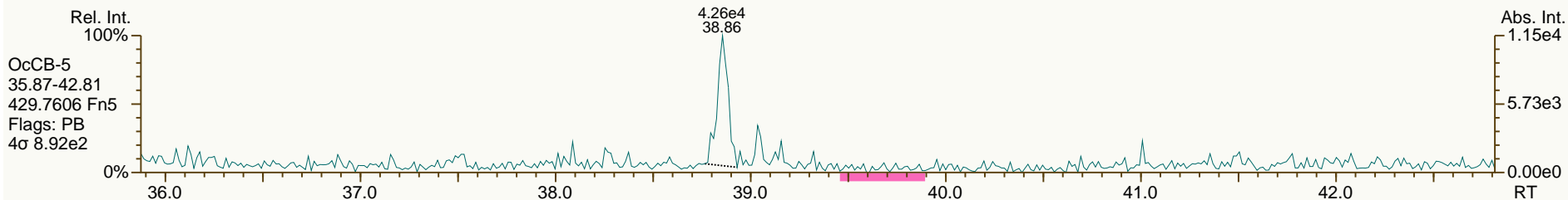
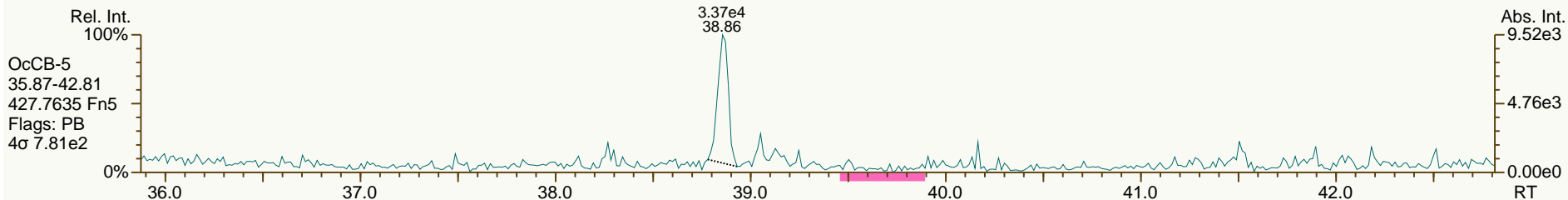
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

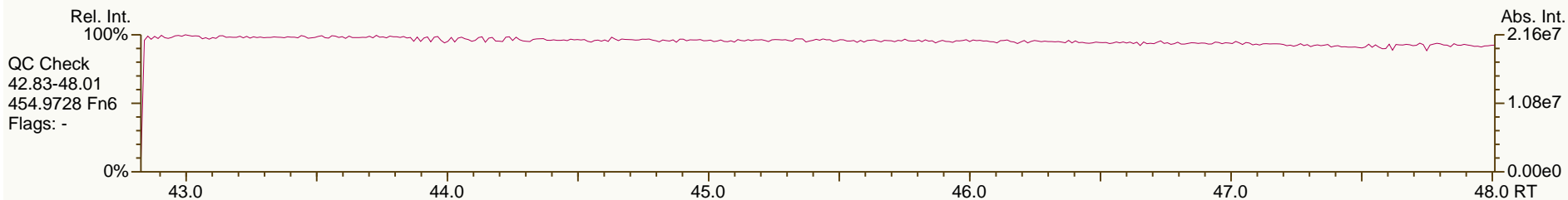
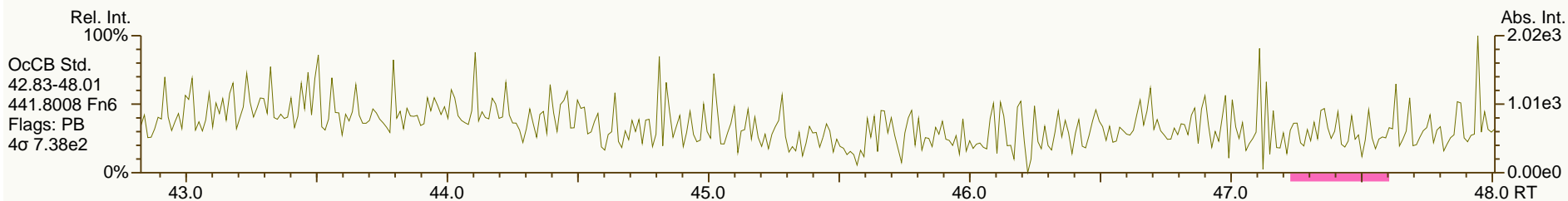
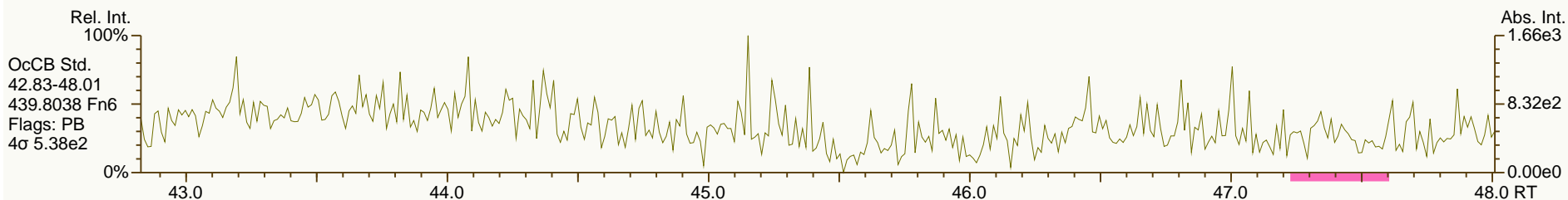
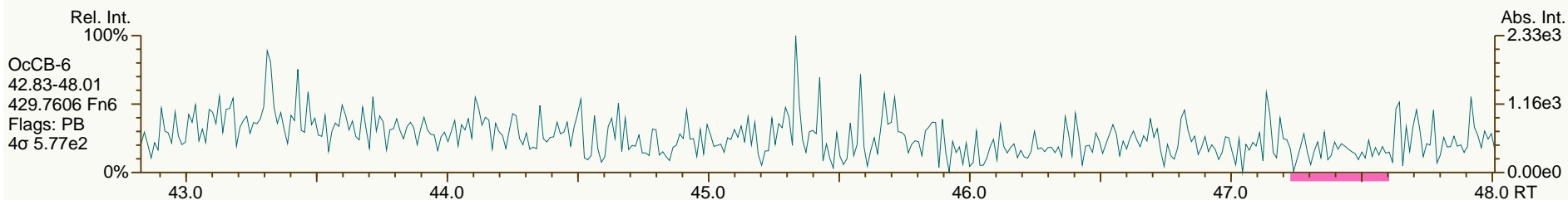
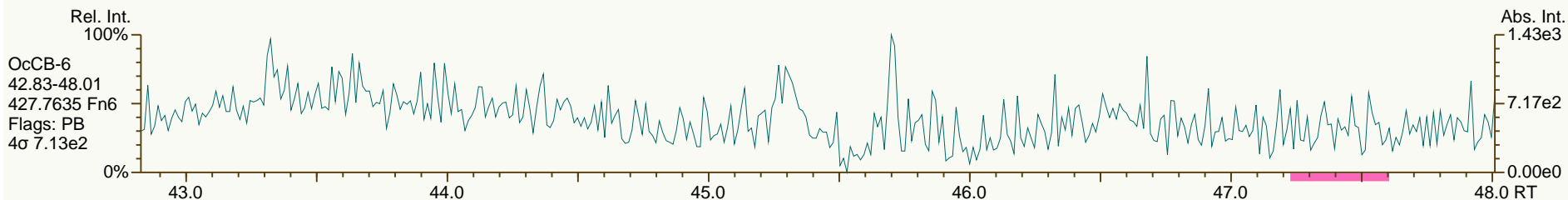
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

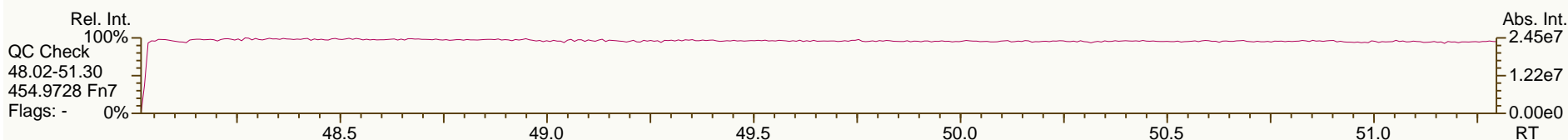
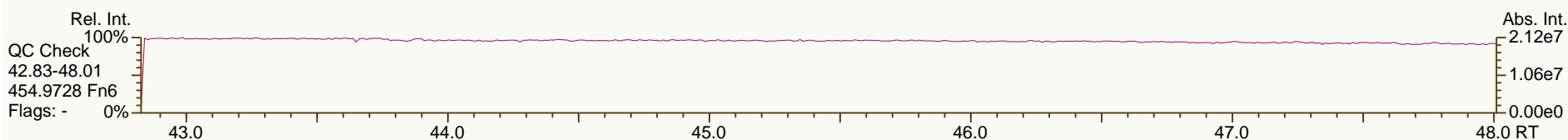
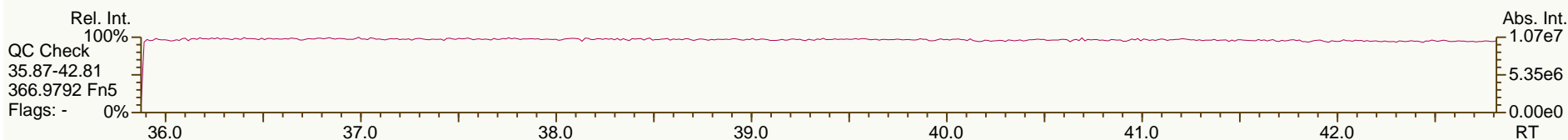
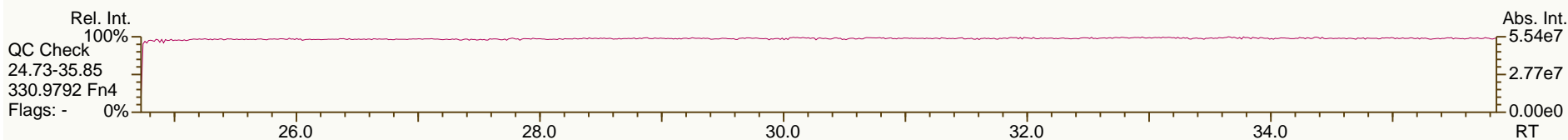
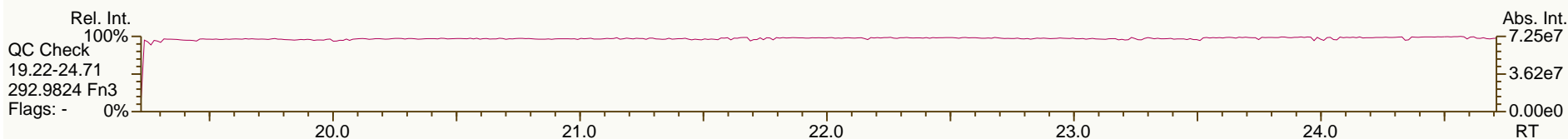
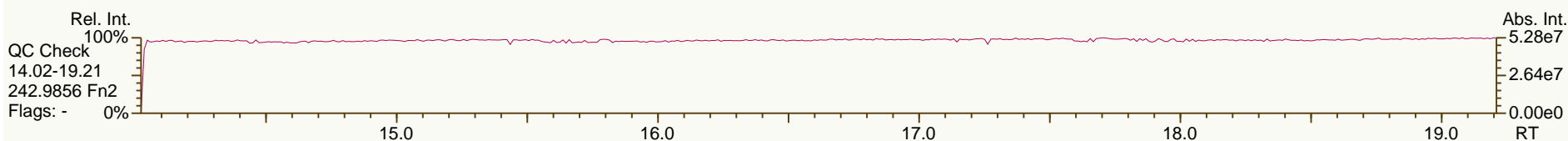
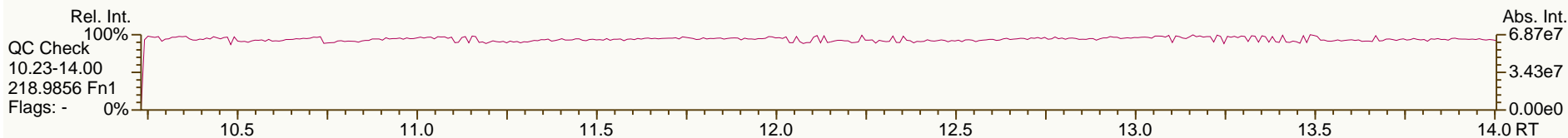
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SD
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

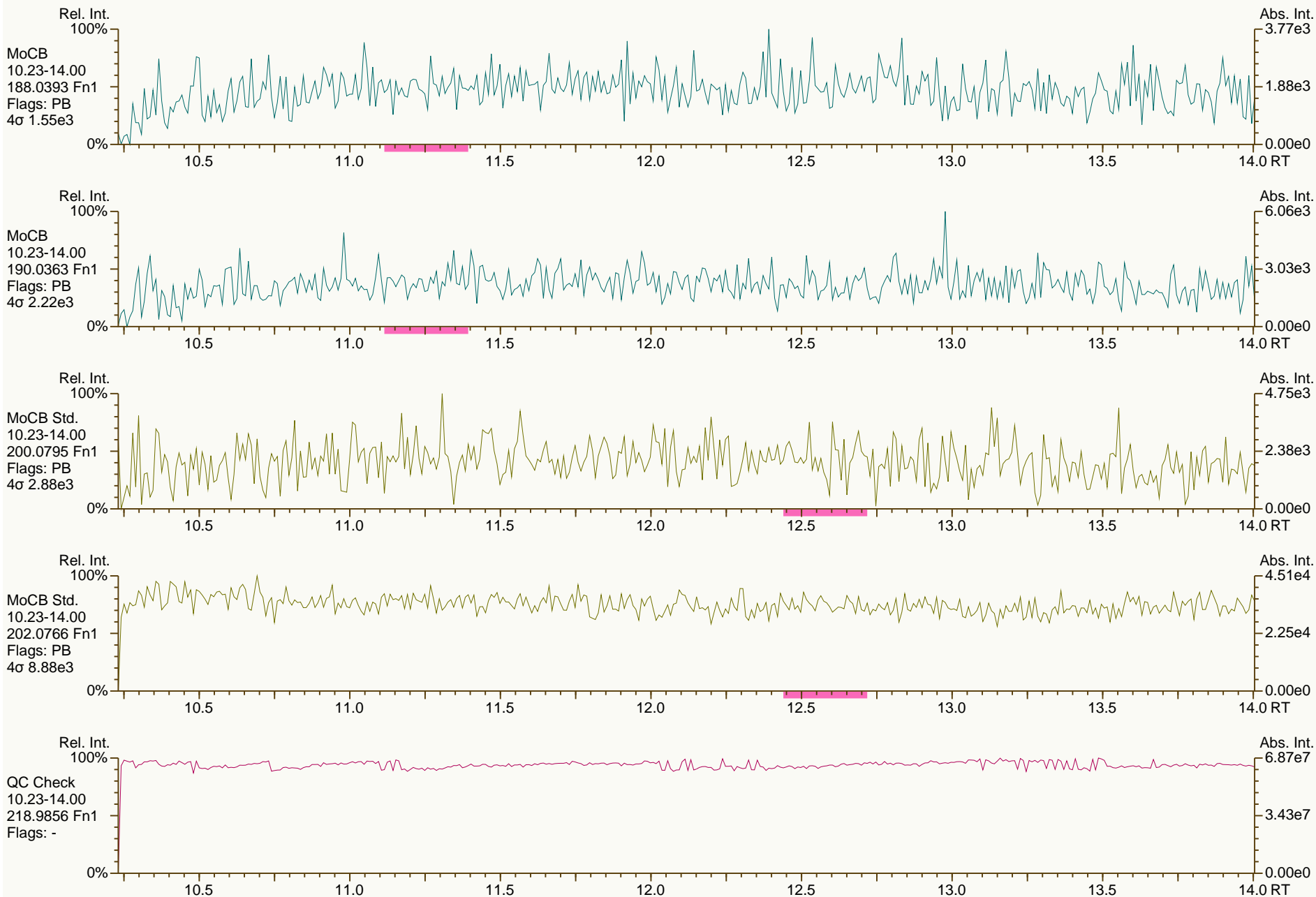
Acq: 26-Jan-2012 23:40:57
User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

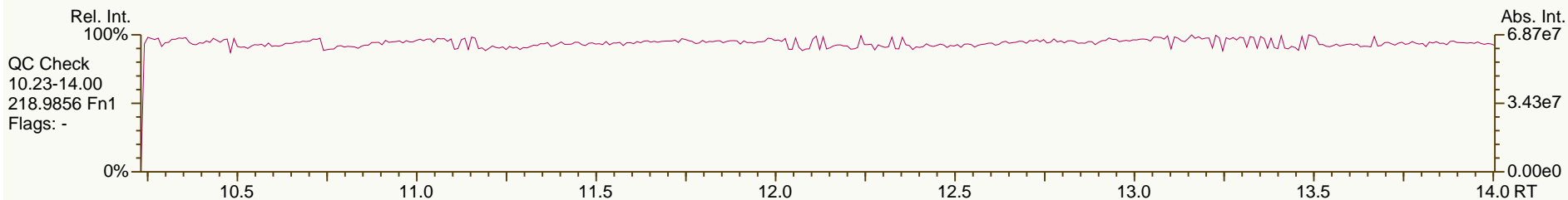
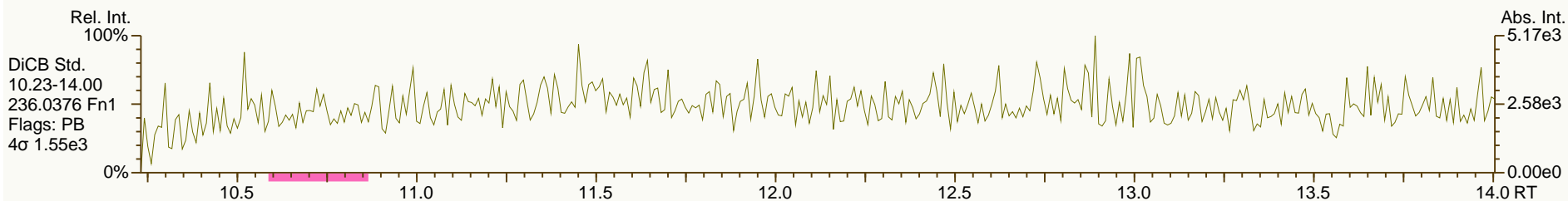
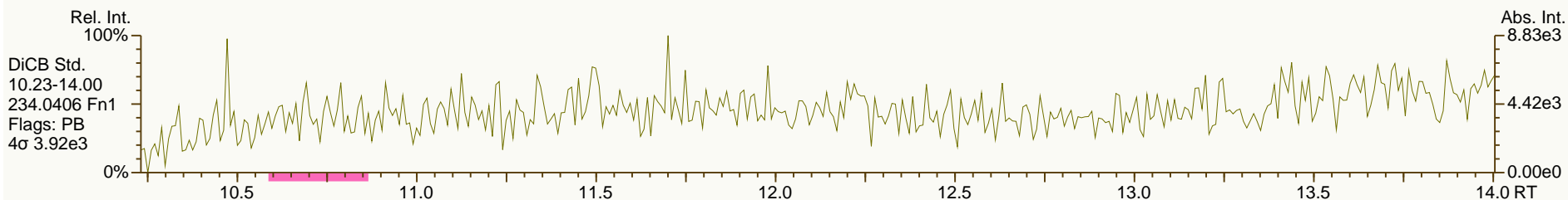
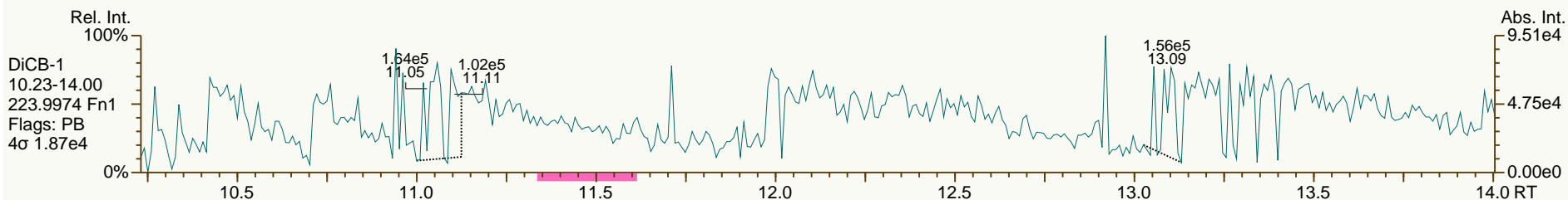
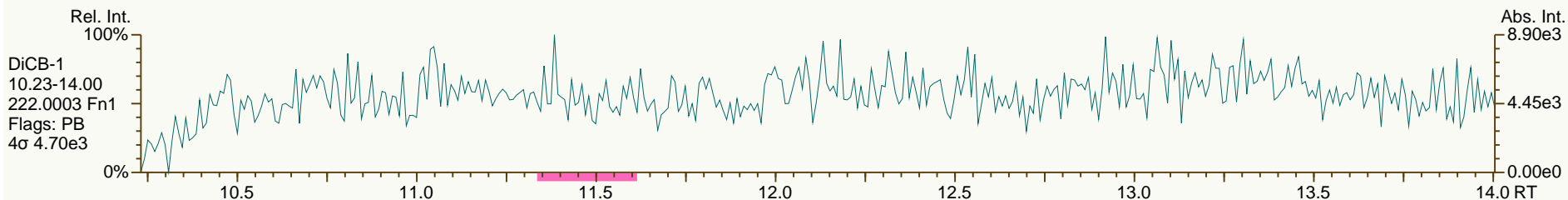
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

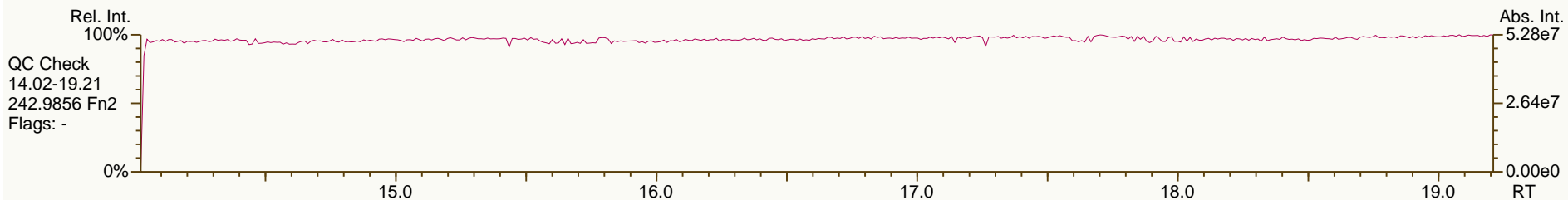
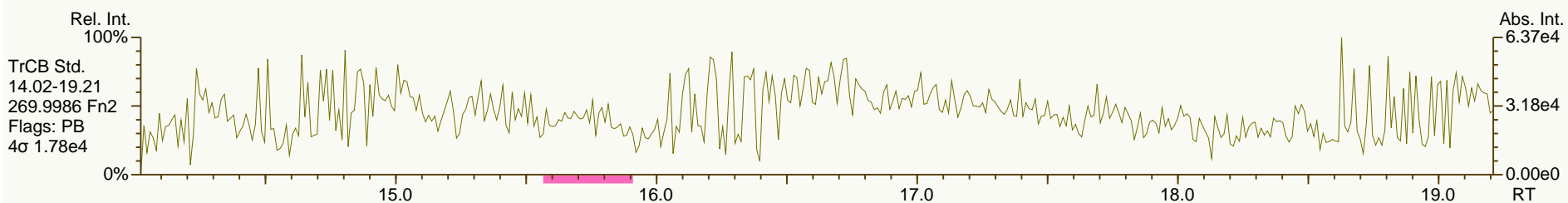
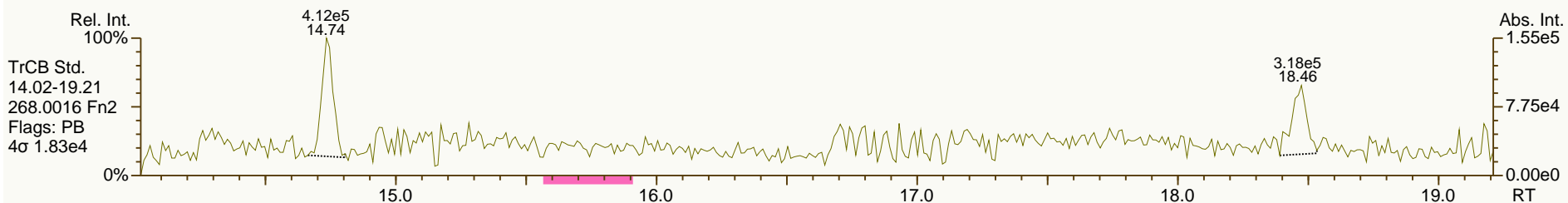
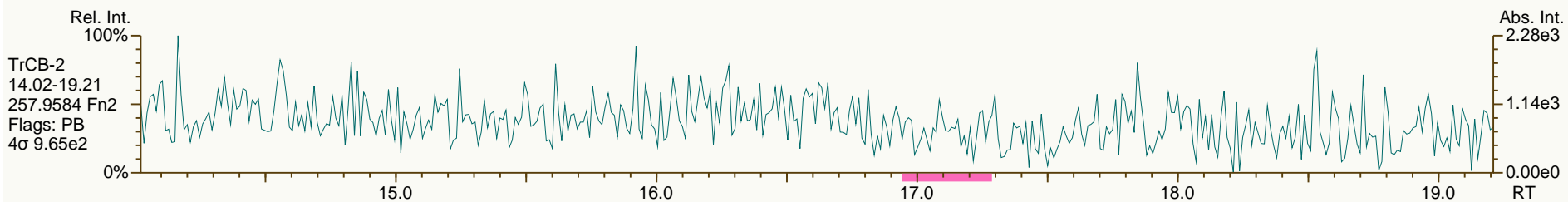
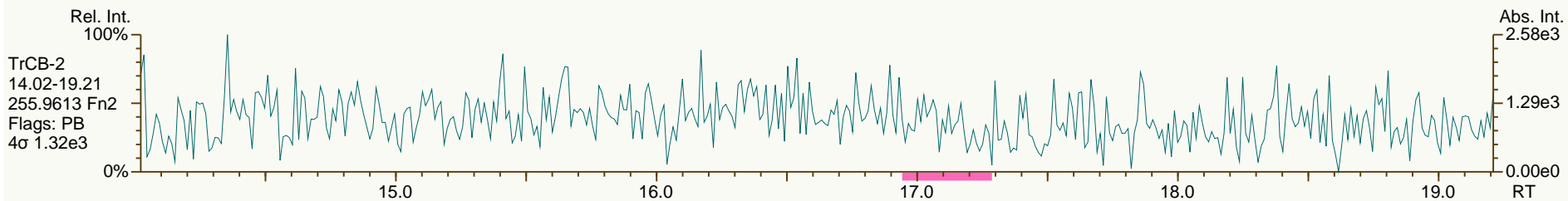
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

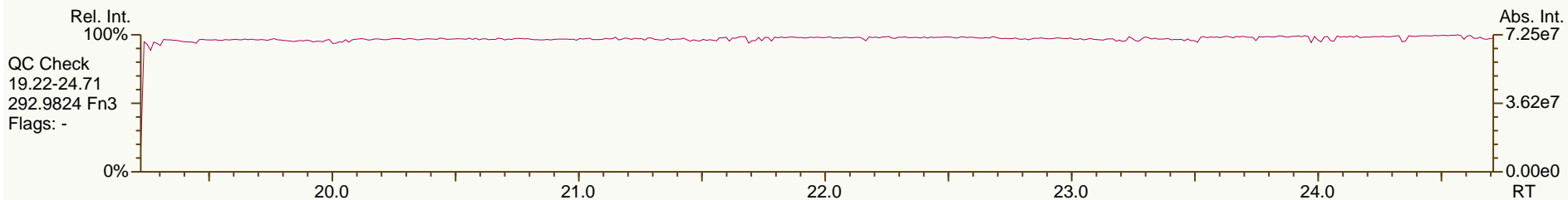
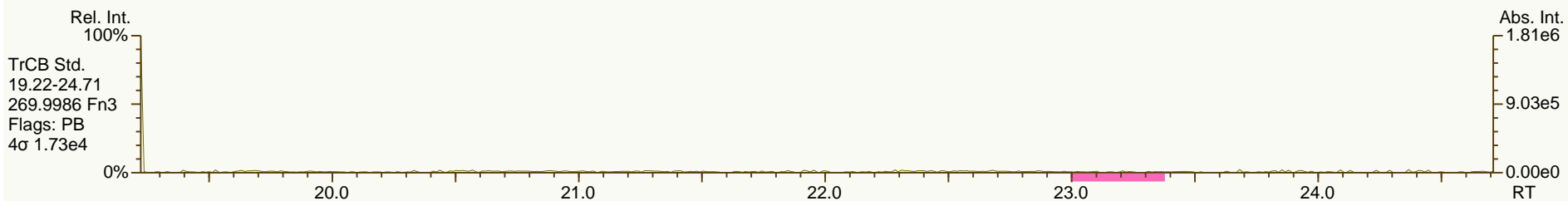
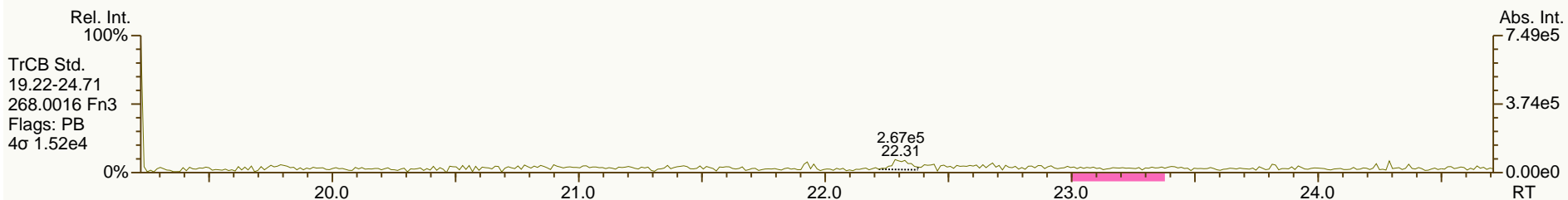
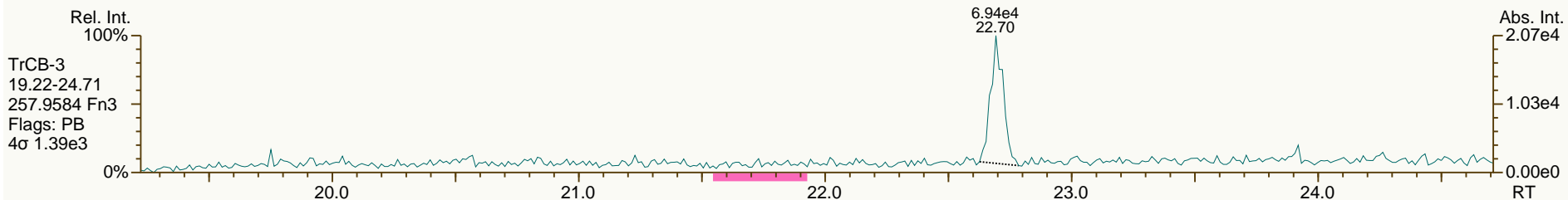
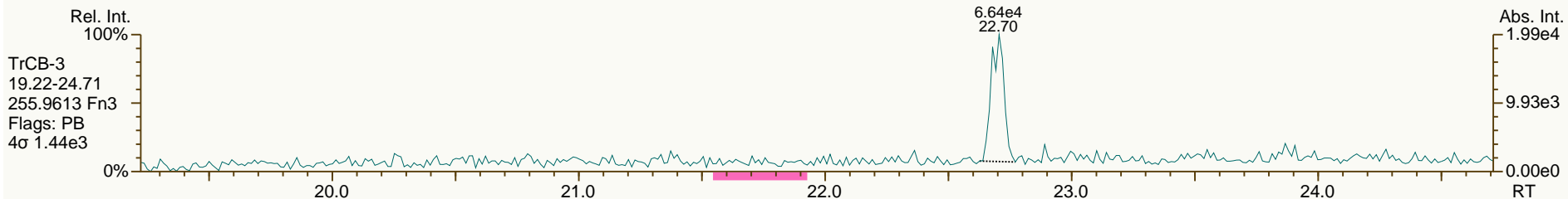
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

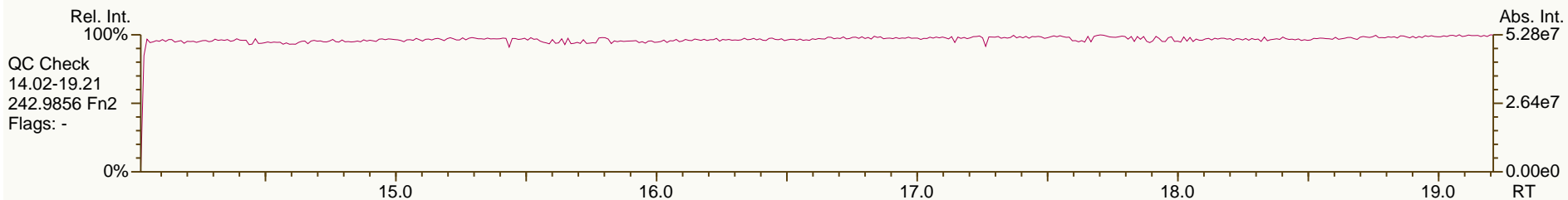
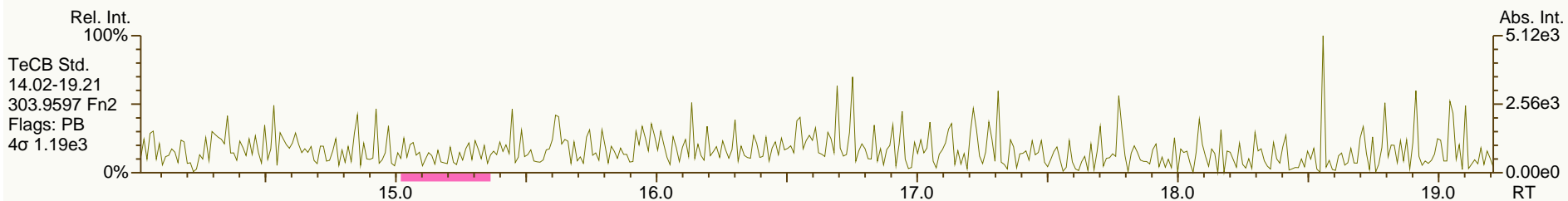
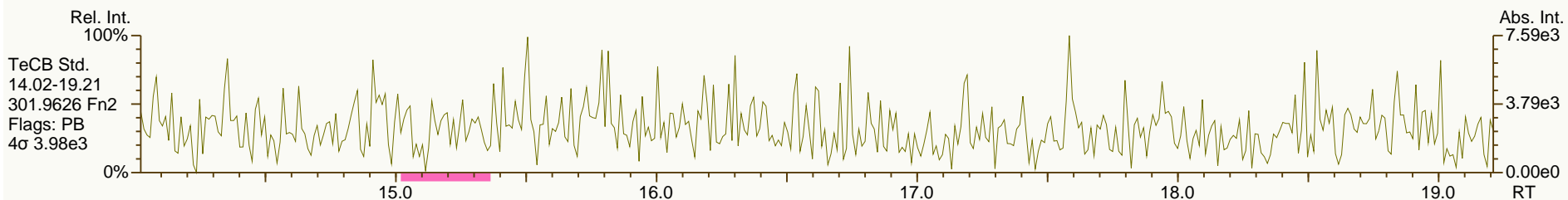
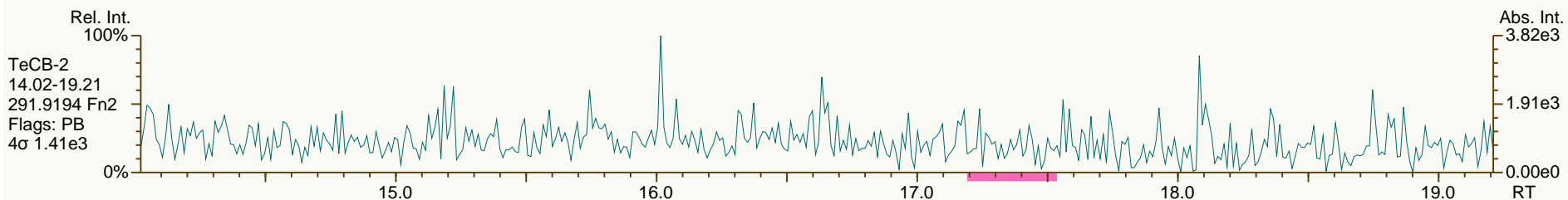
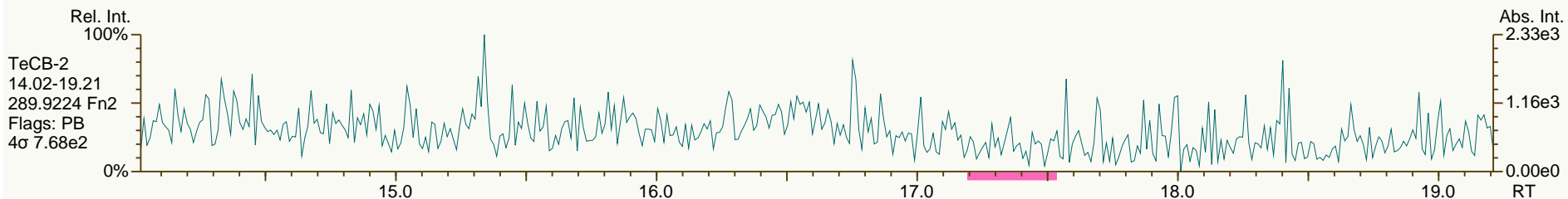
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

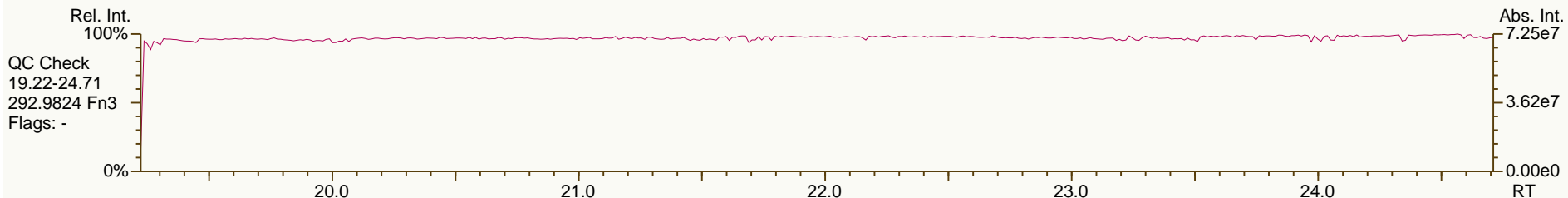
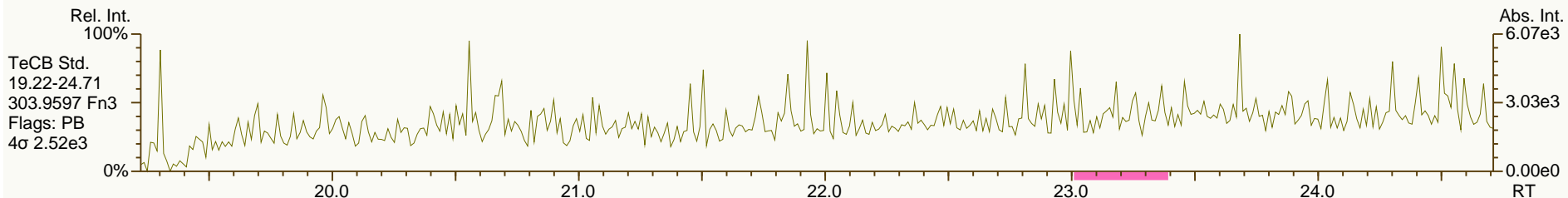
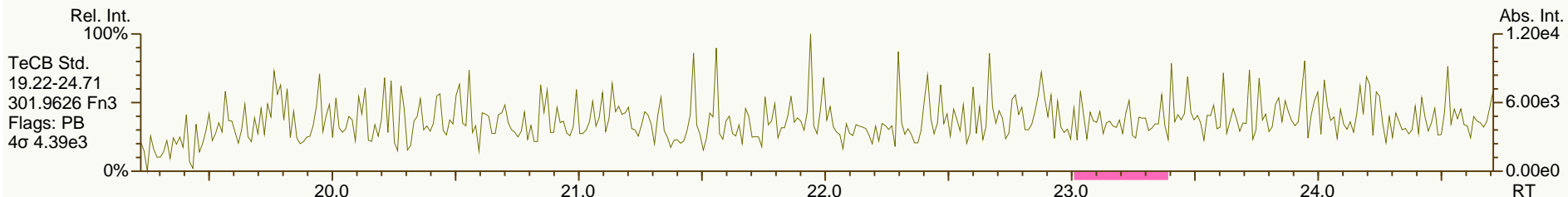
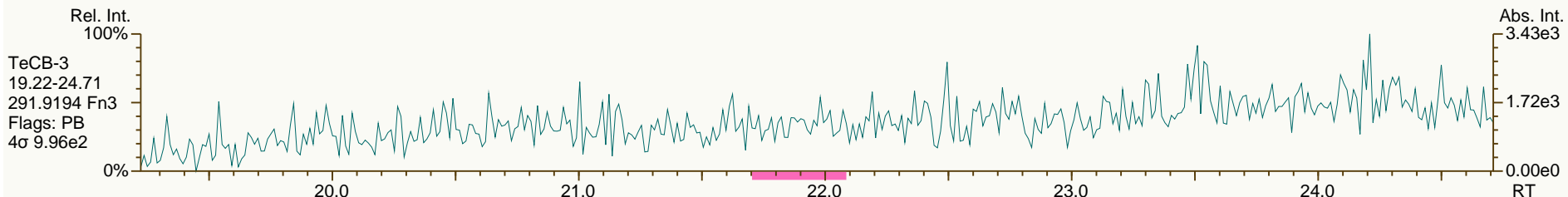
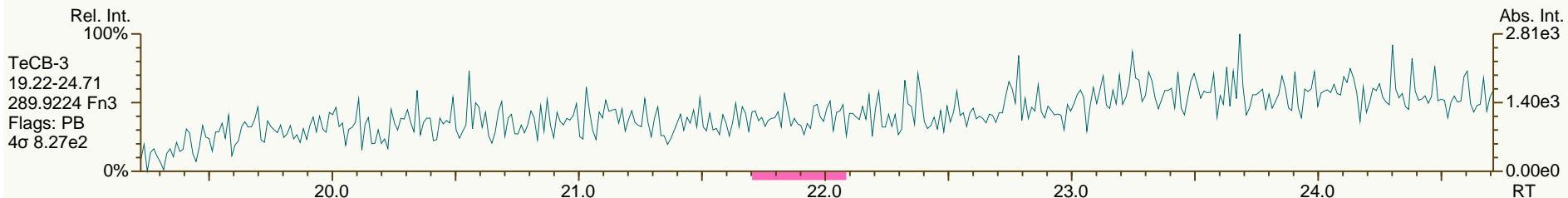
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

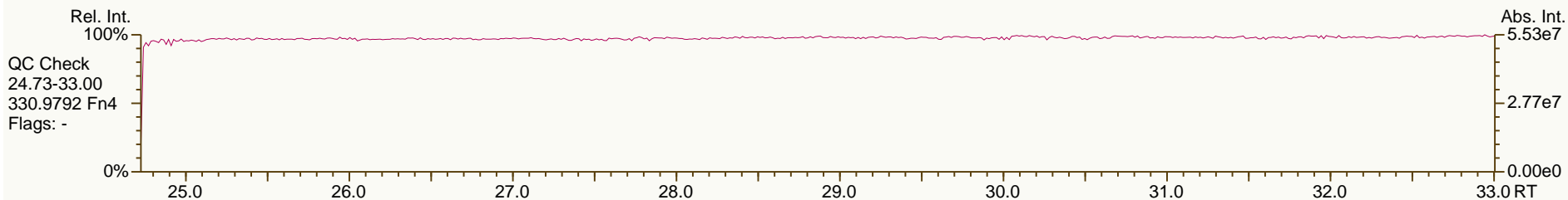
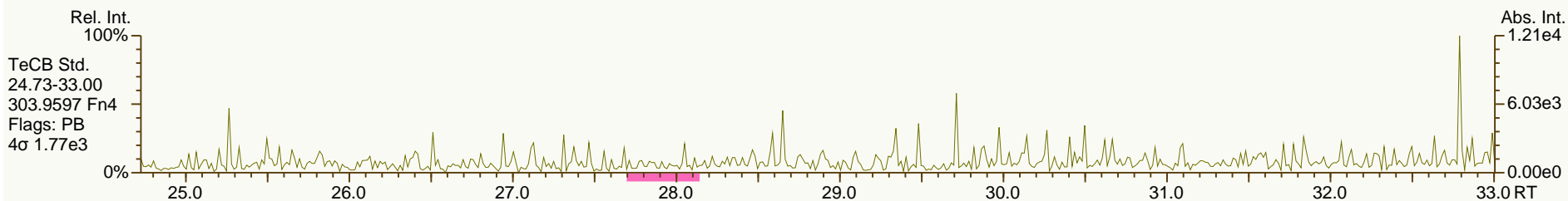
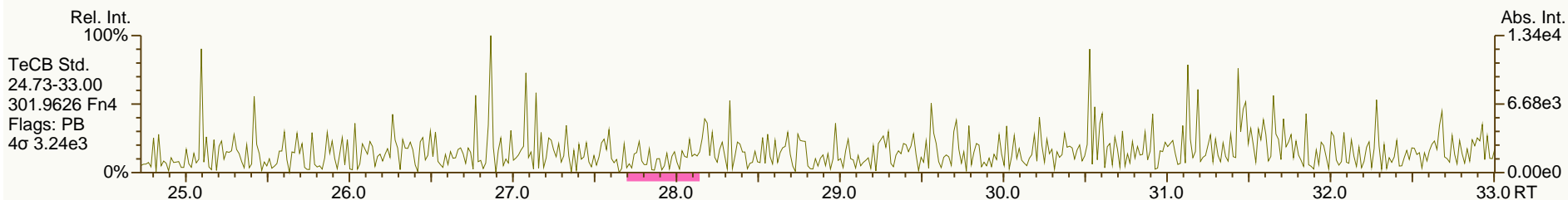
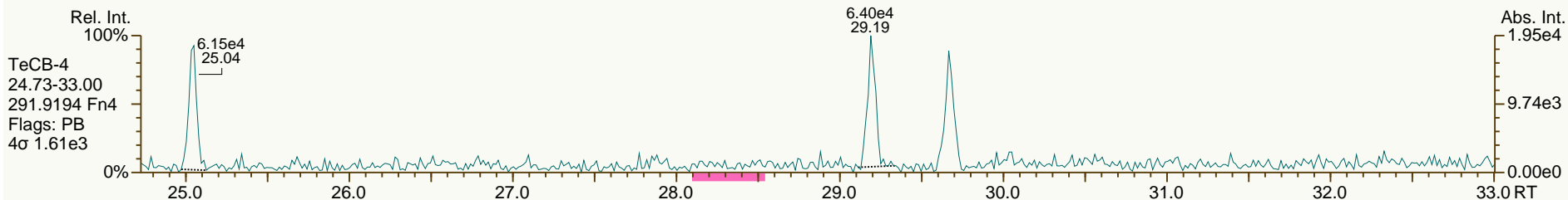
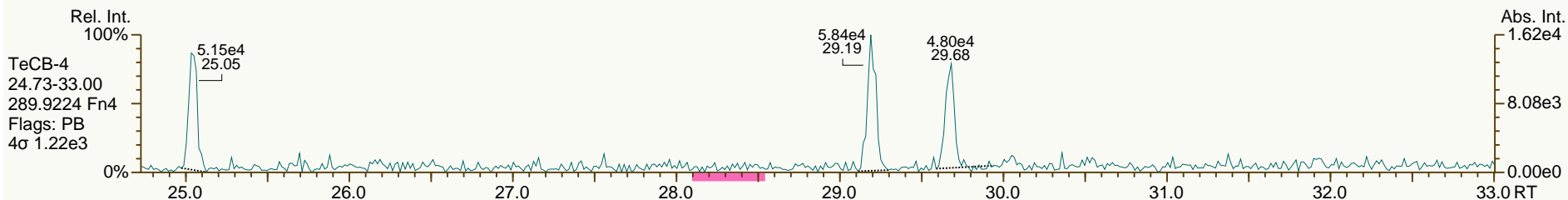
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

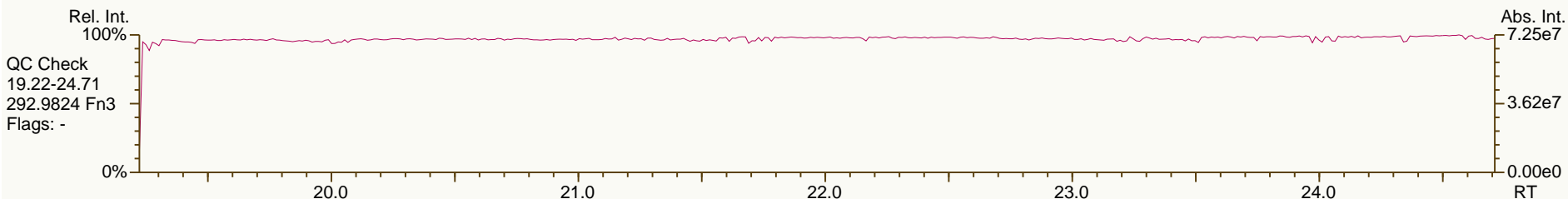
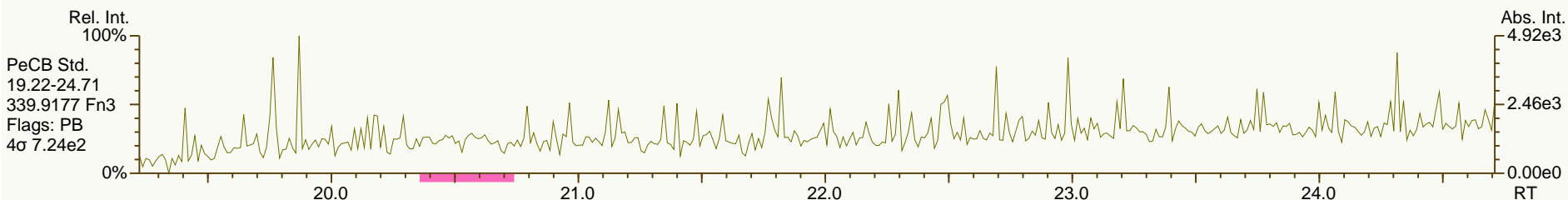
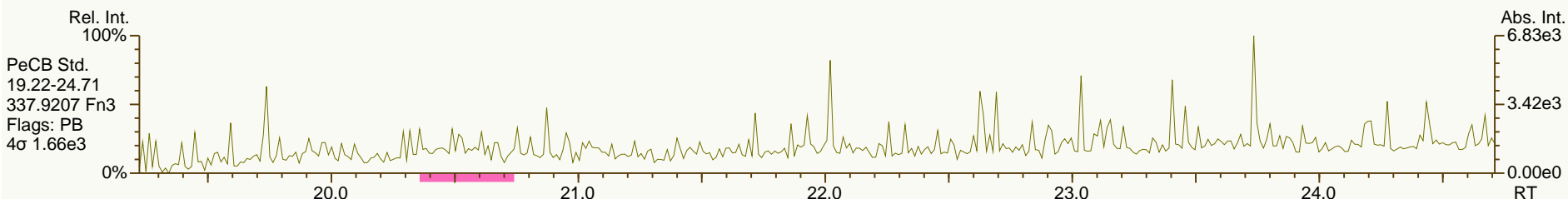
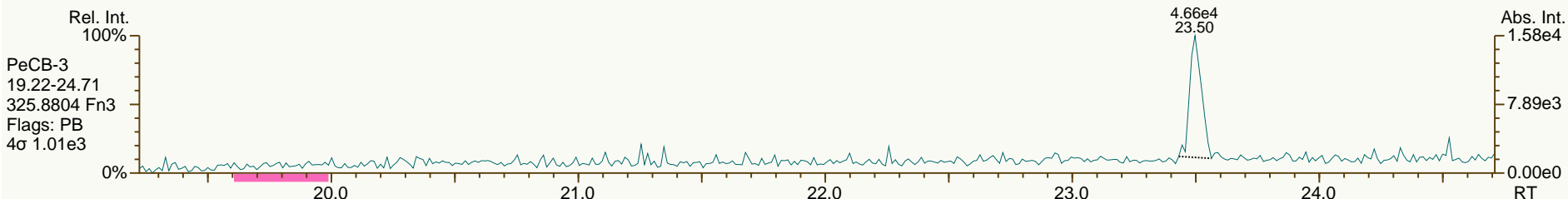
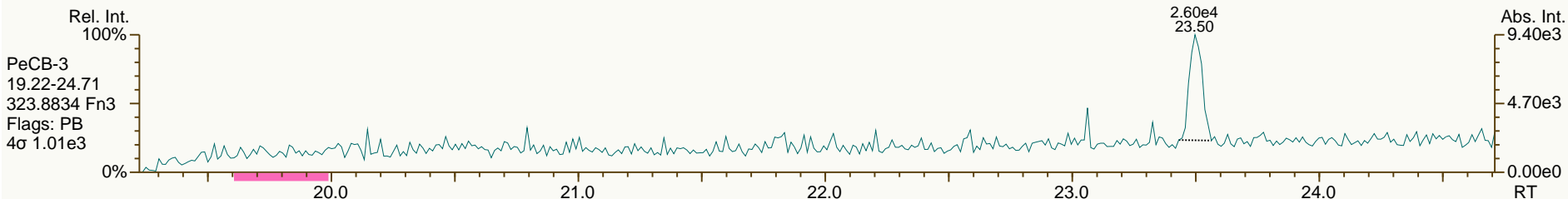
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

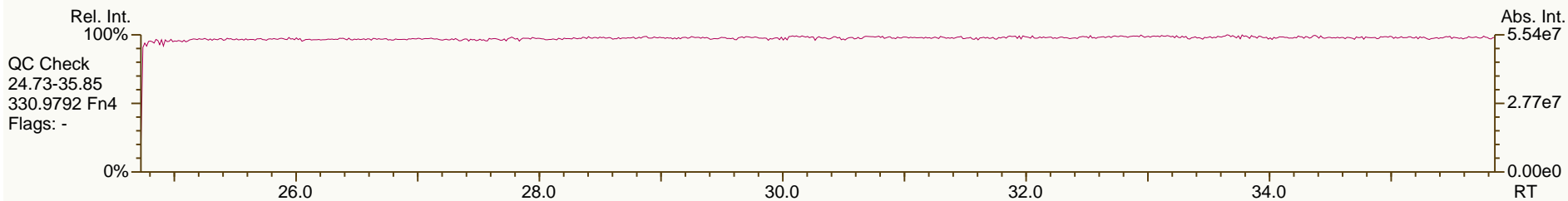
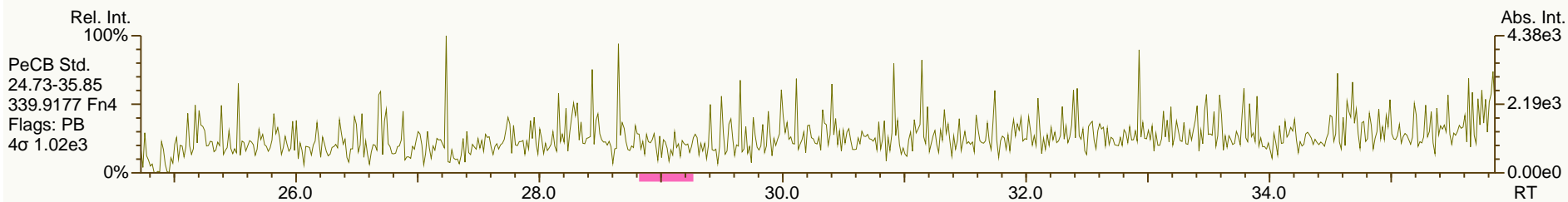
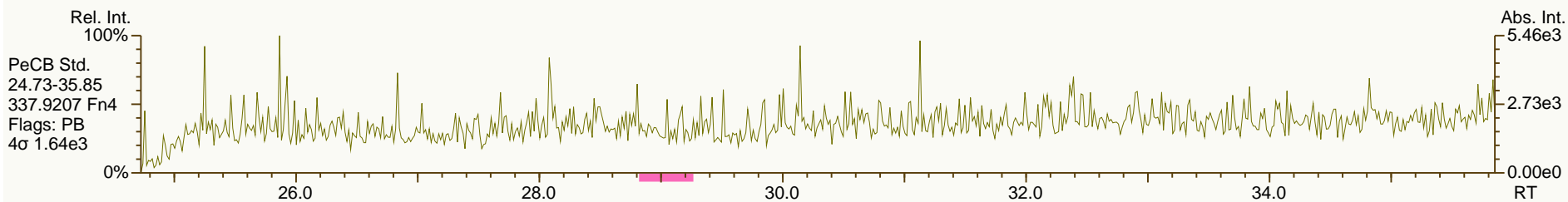
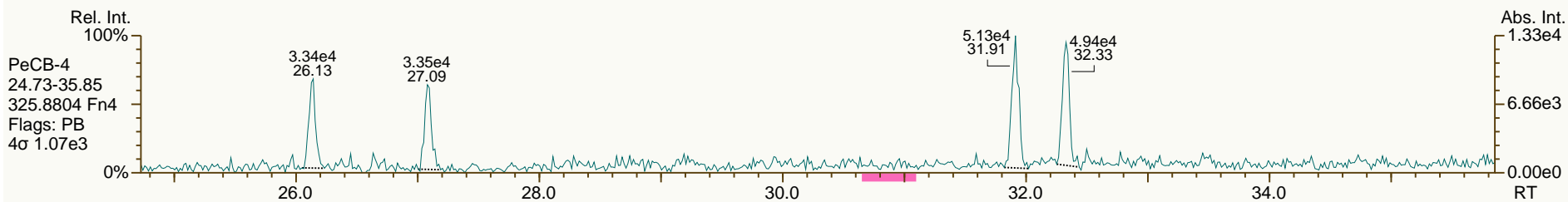
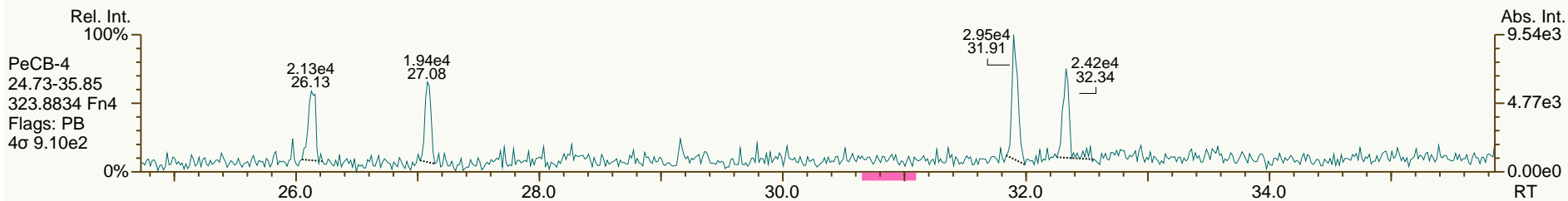
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

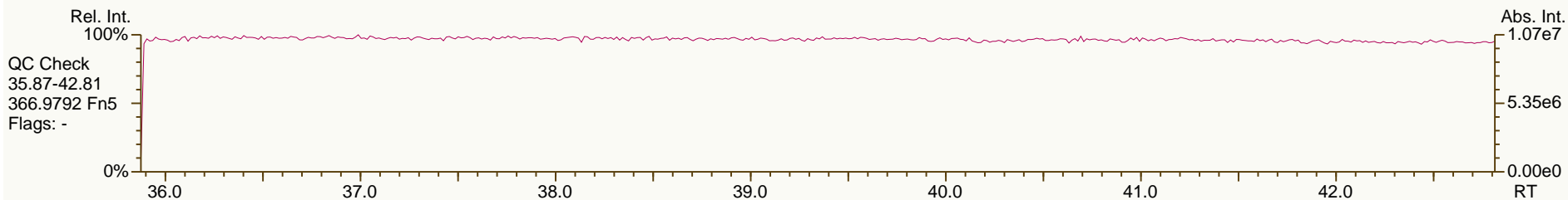
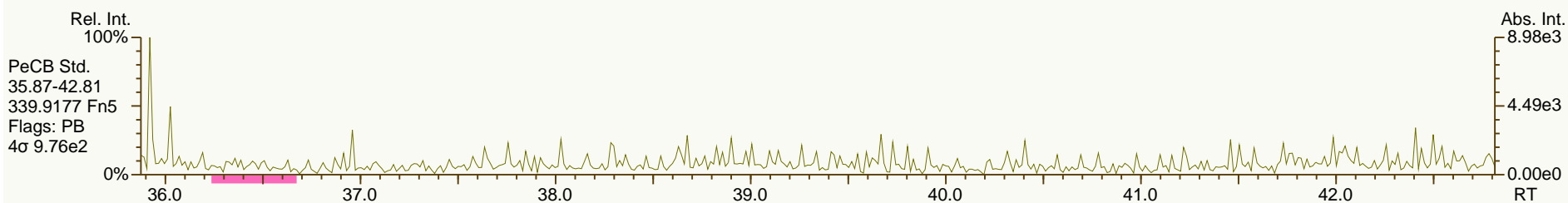
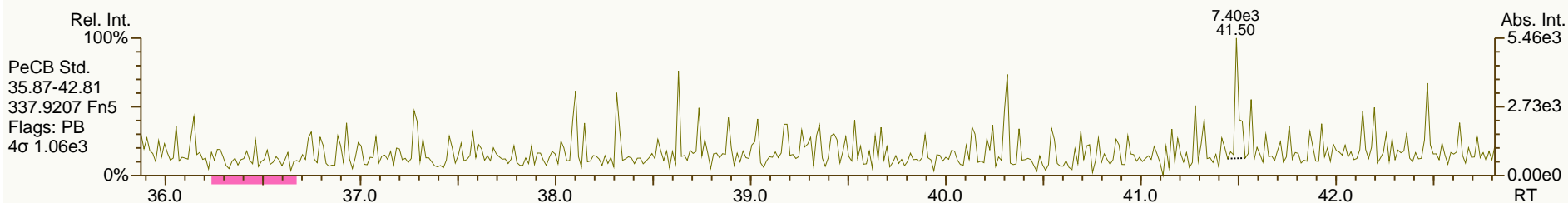
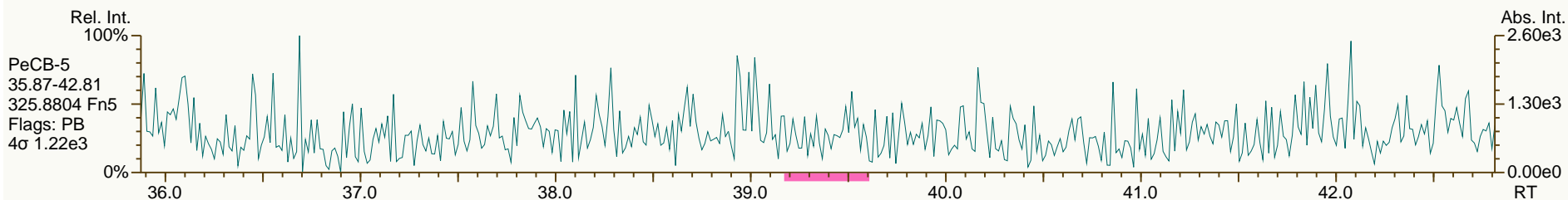
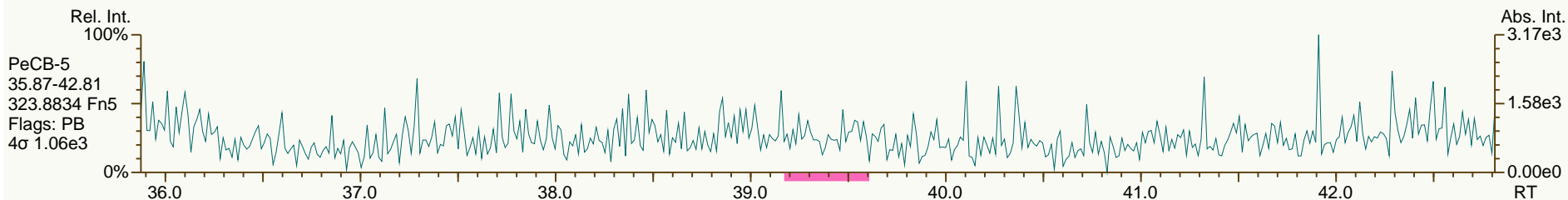
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

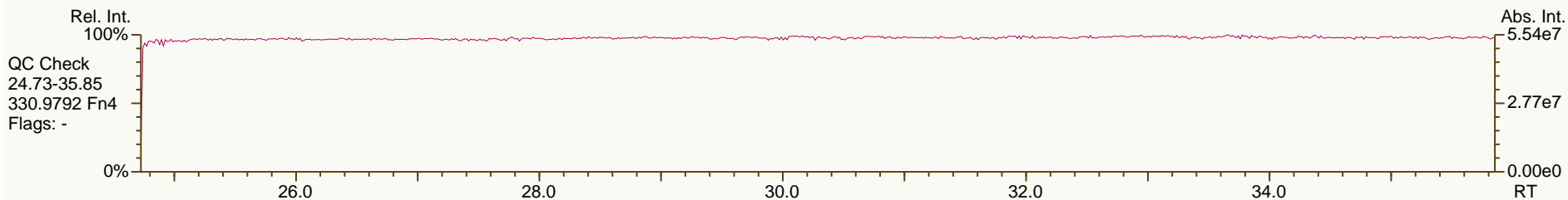
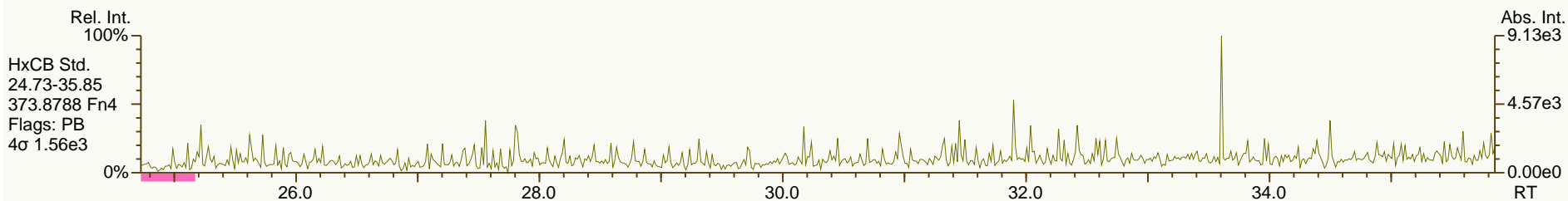
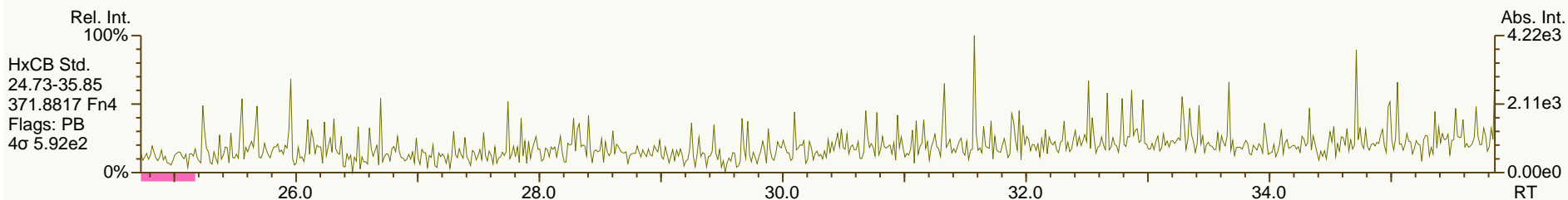
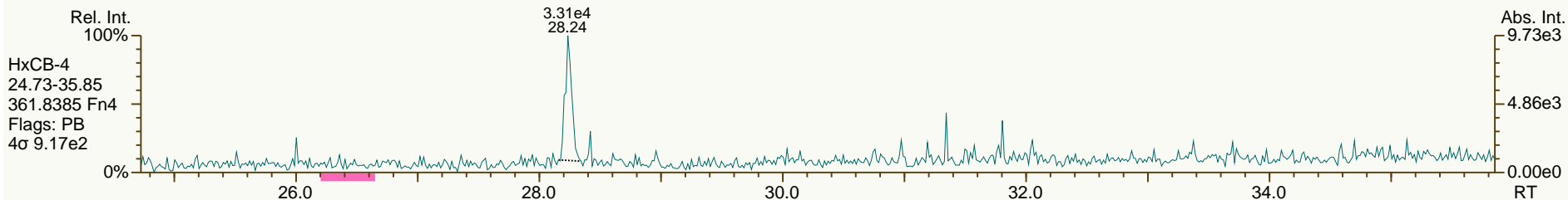
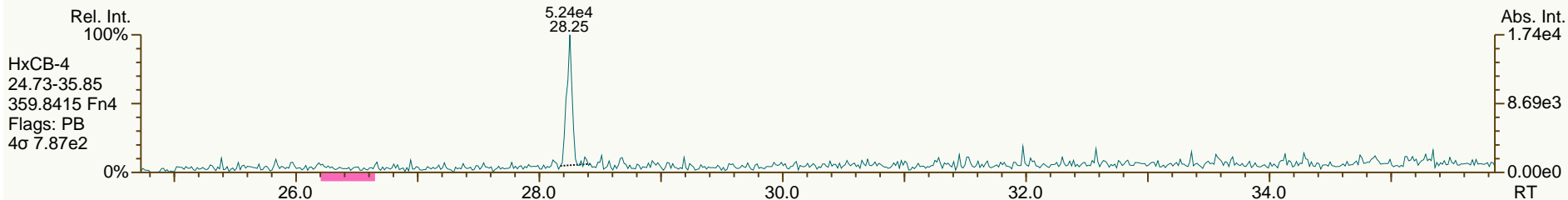
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

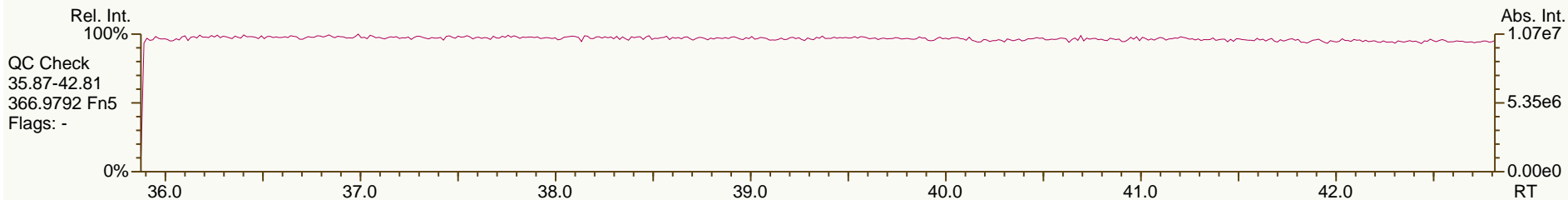
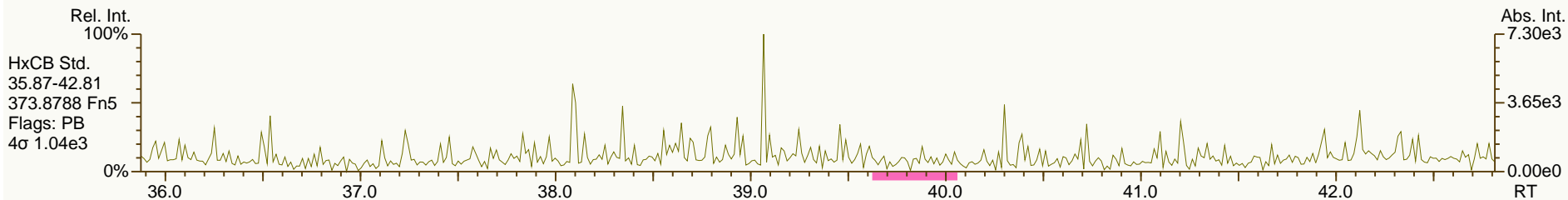
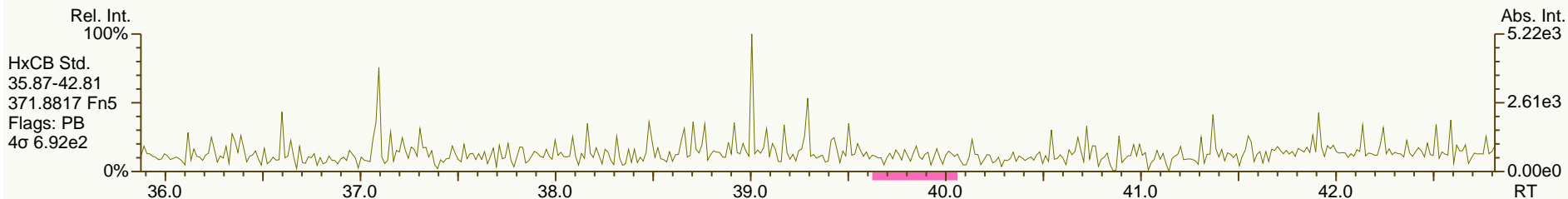
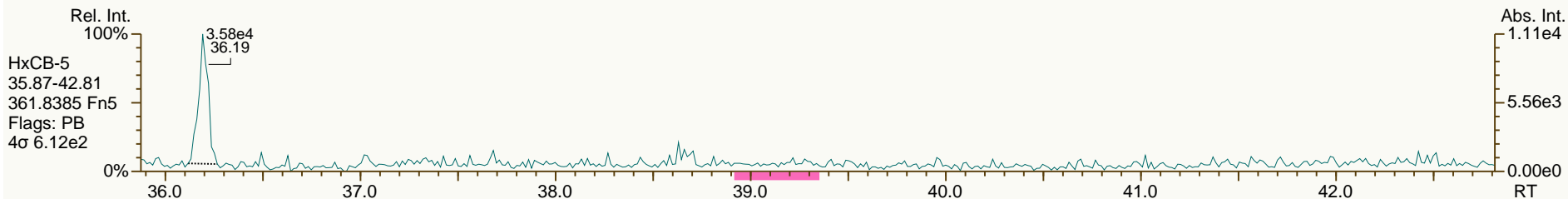
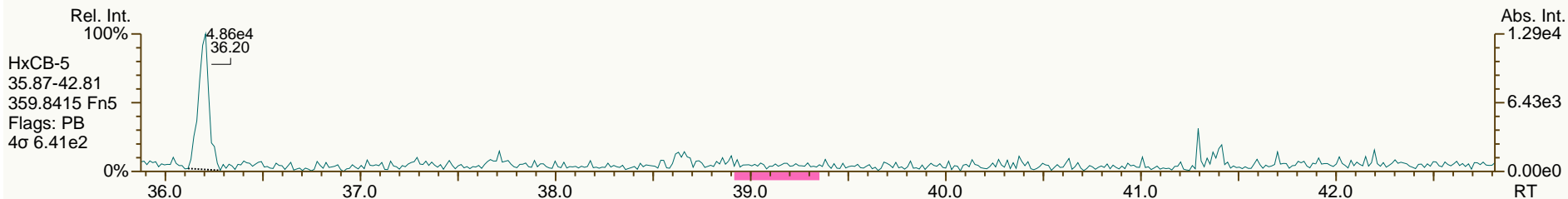
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

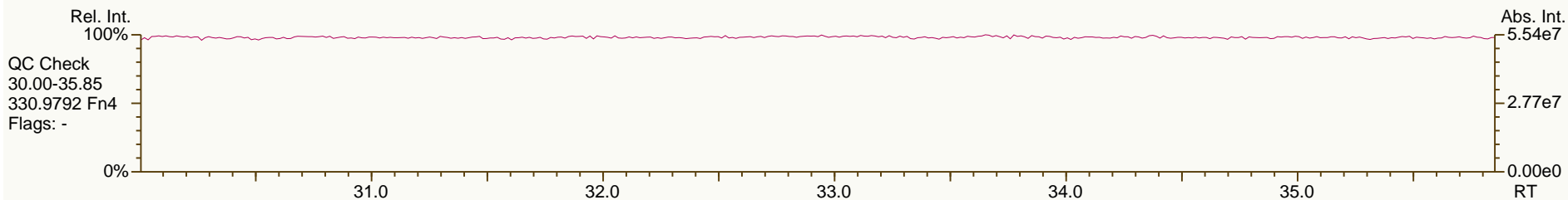
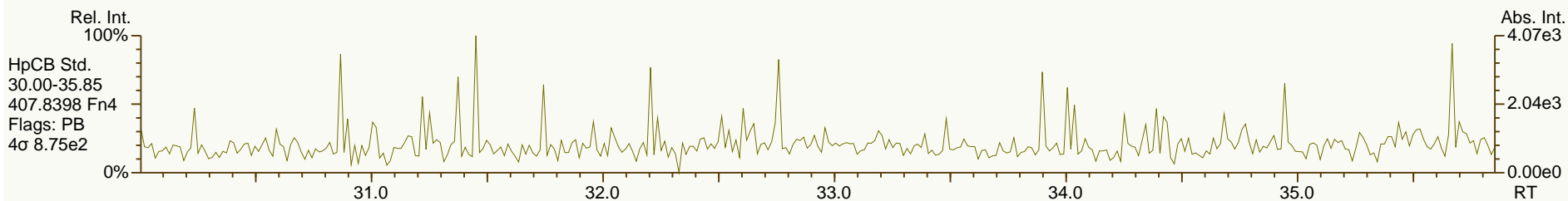
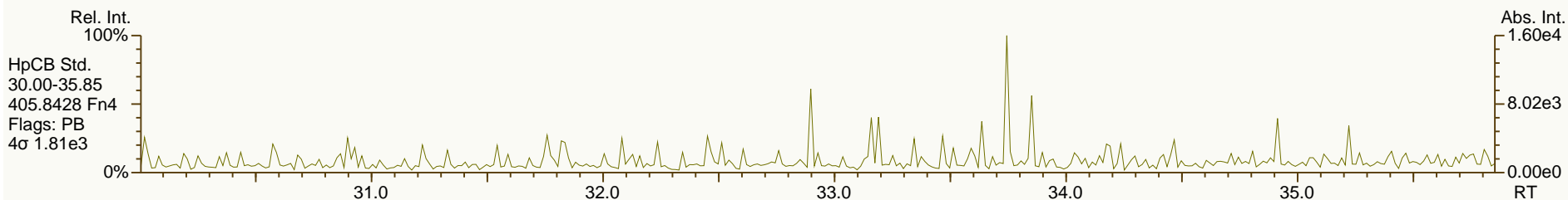
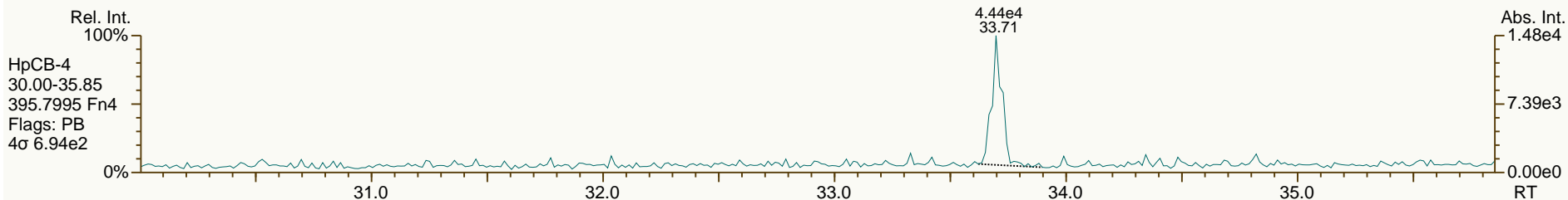
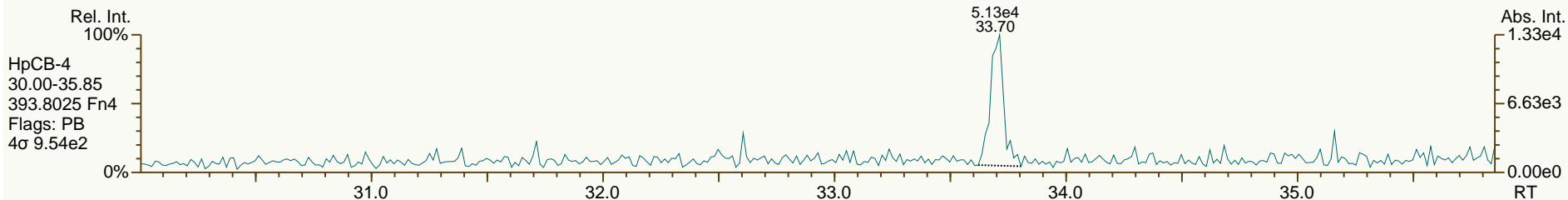
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

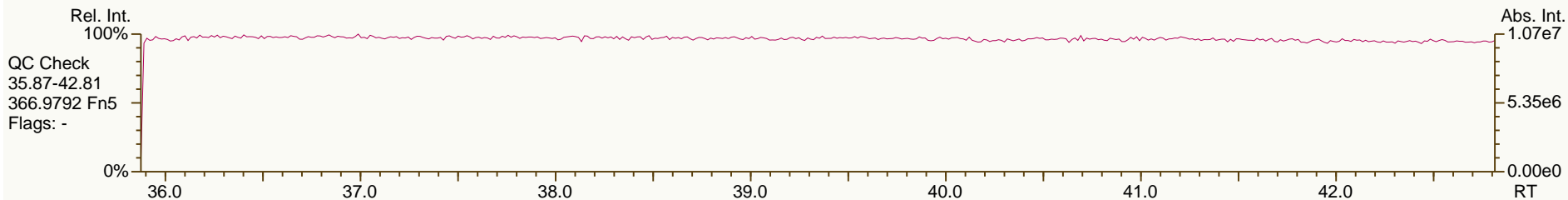
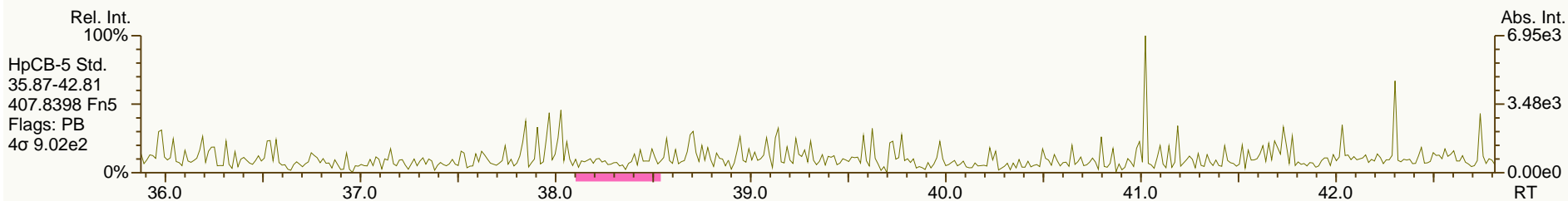
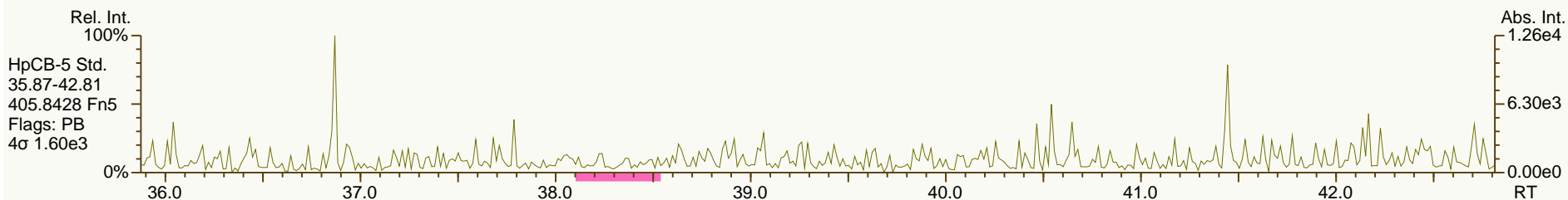
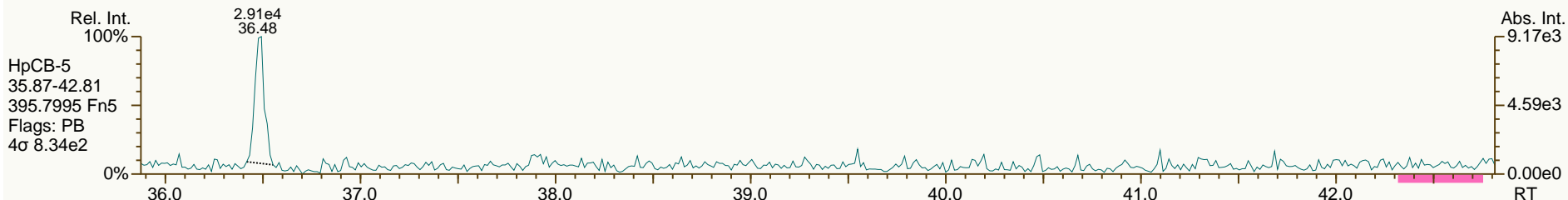
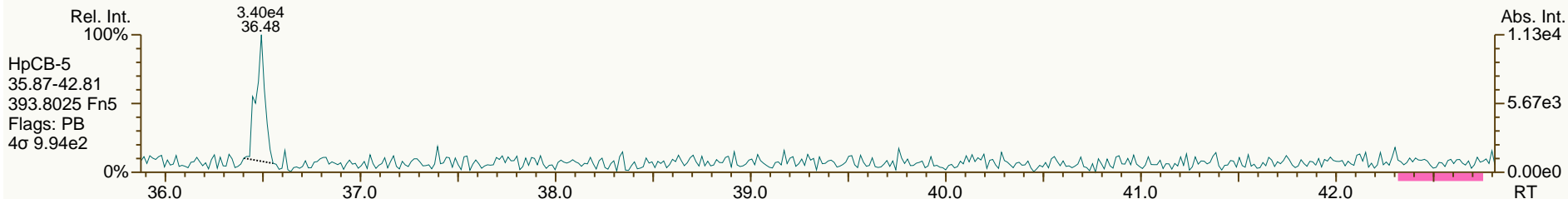
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

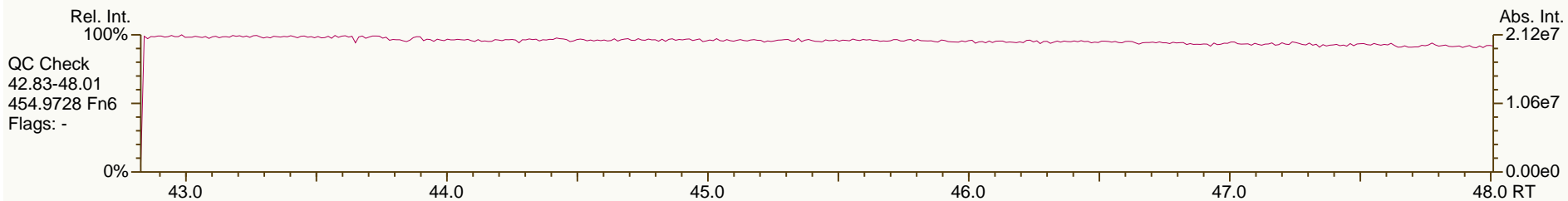
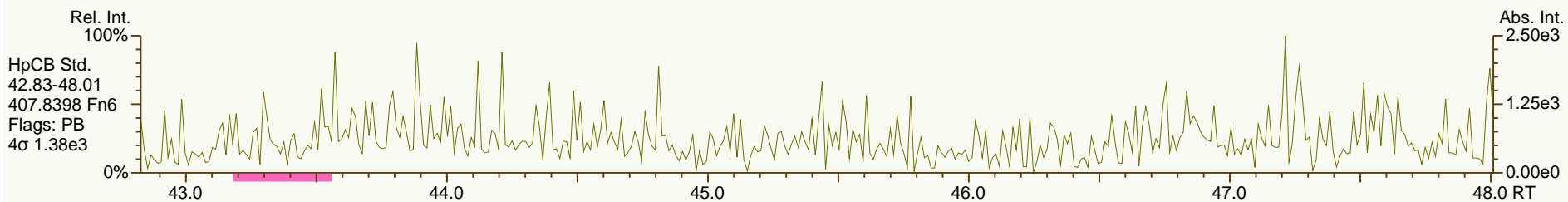
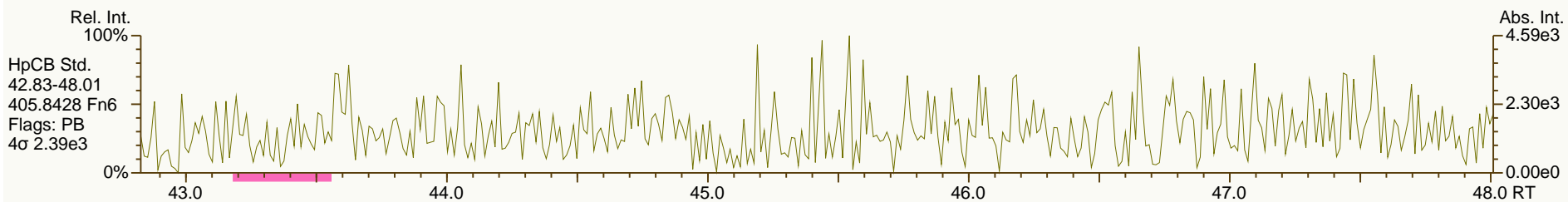
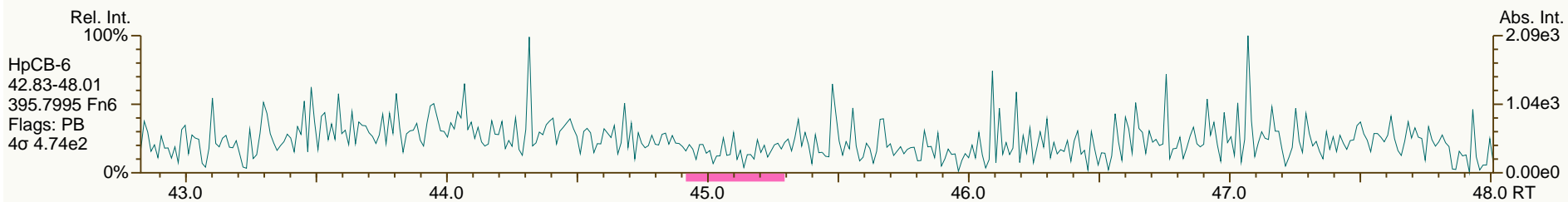
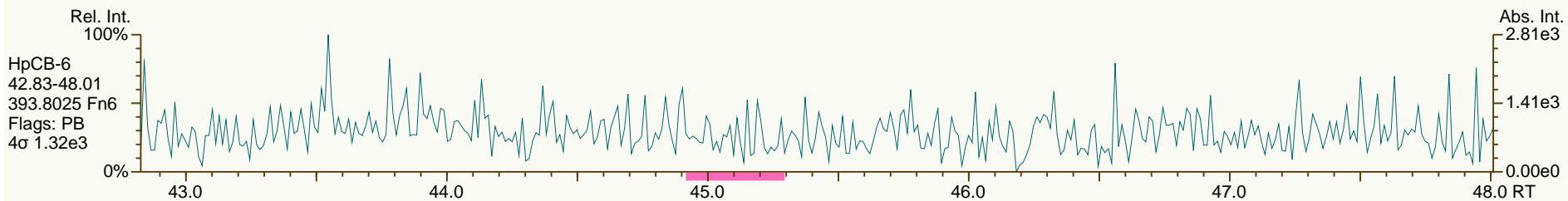
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

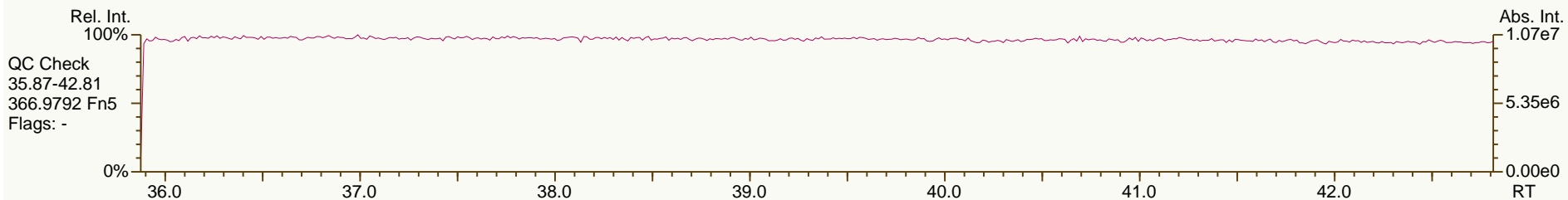
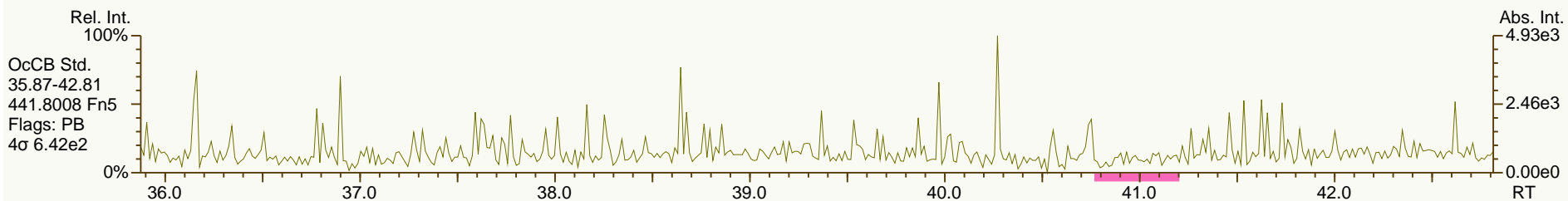
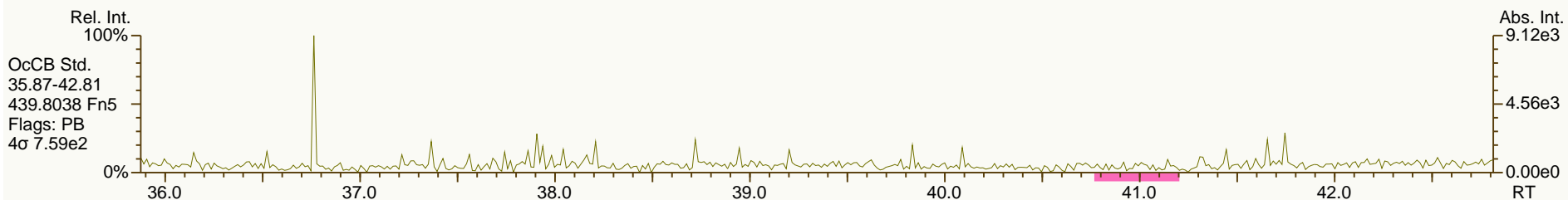
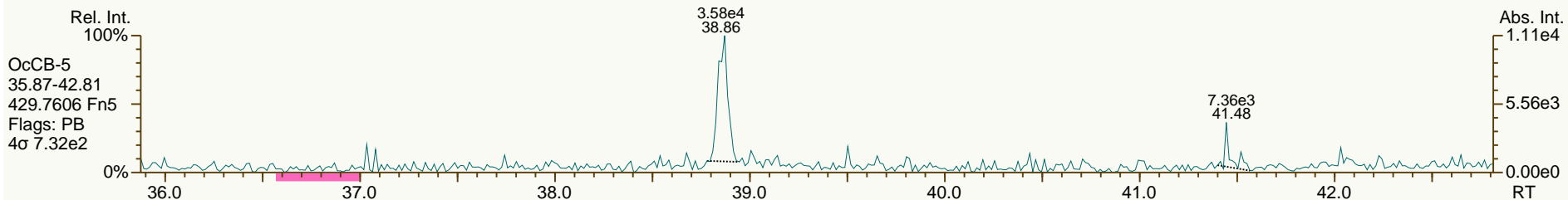
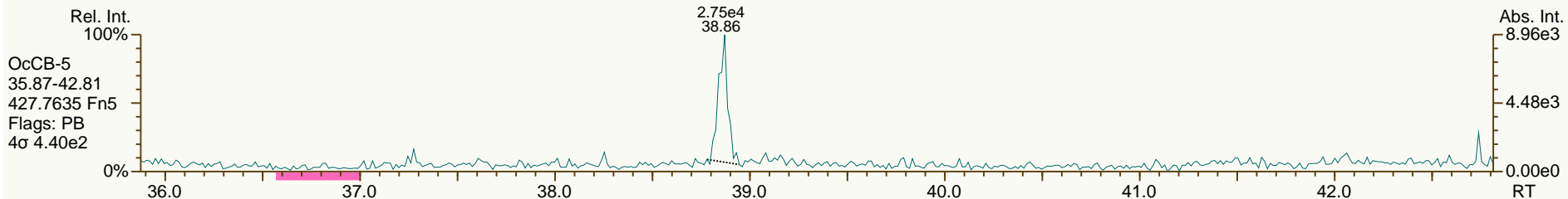
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

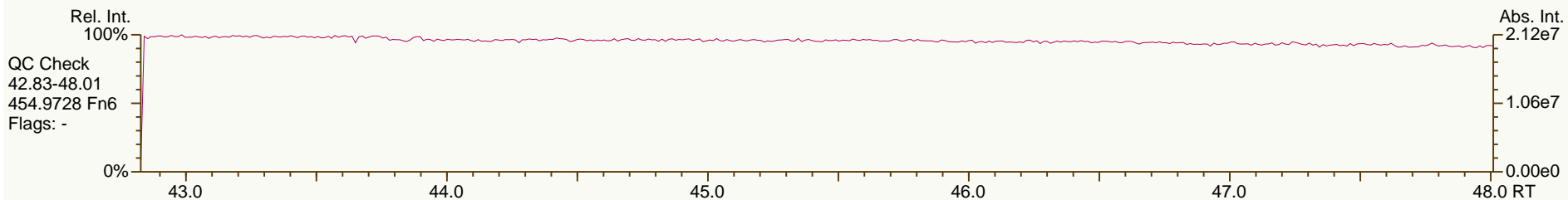
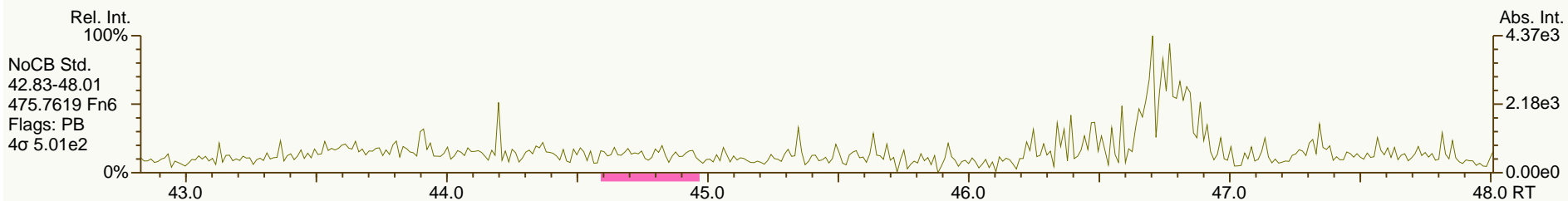
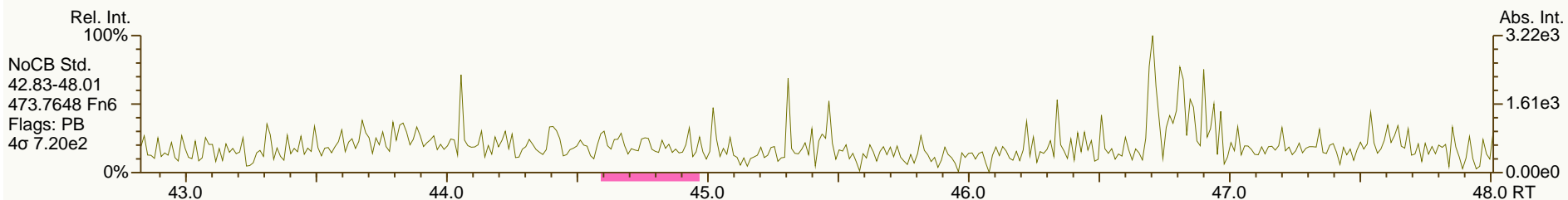
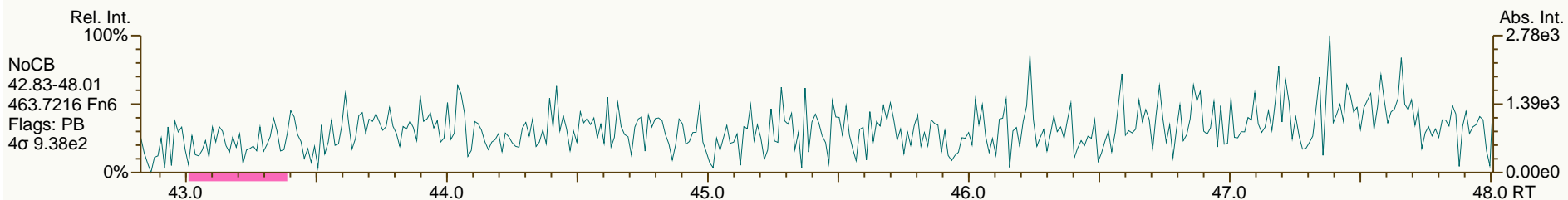
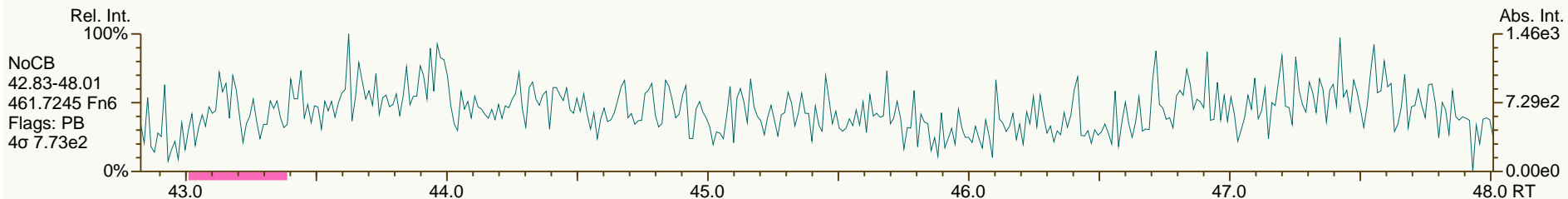
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



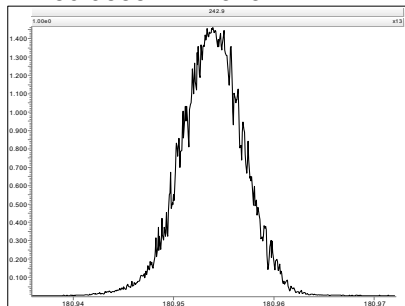
Experiment Calibration Report

MassLynx 4.1

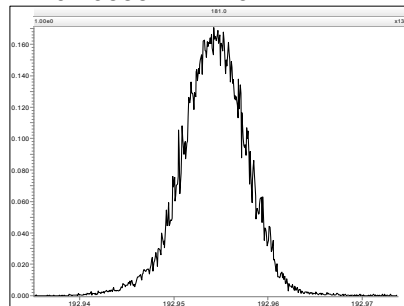
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 1 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:11:21 Eastern Standard Time

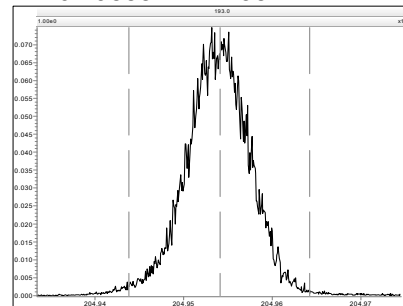
M 180.9888 R 12375



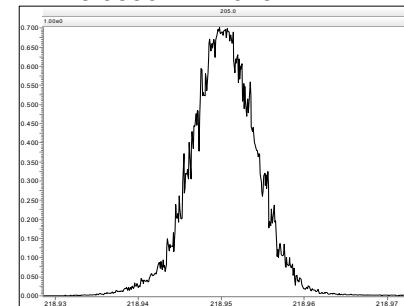
M 192.9888 R 12131



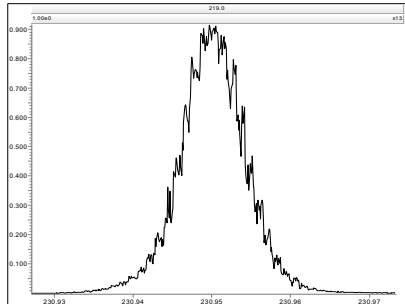
M 204.9888 R 11738



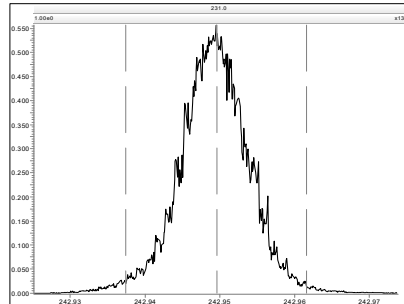
M 218.9856 R 12018



M 230.9856 R 11261



M 242.9856 R 10636



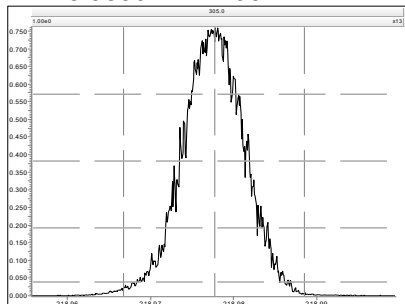
Experiment Calibration Report

MassLynx 4.1

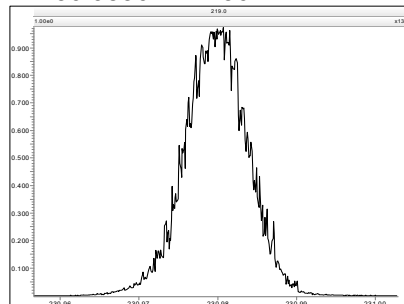
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 2 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:11:50 Eastern Standard Time

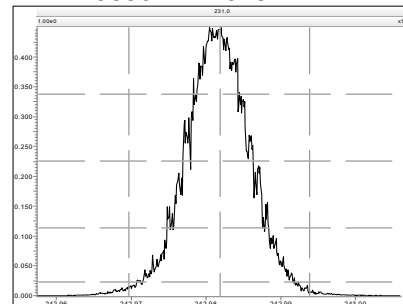
M 218.9856 R 12195



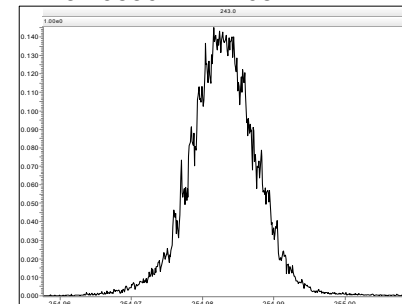
M 230.9856 R 12564



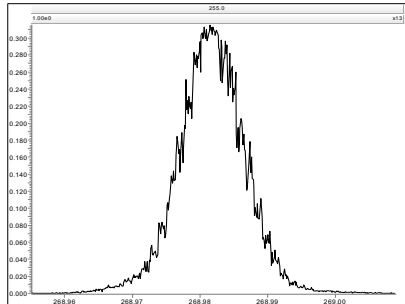
M 242.9856 R 12018



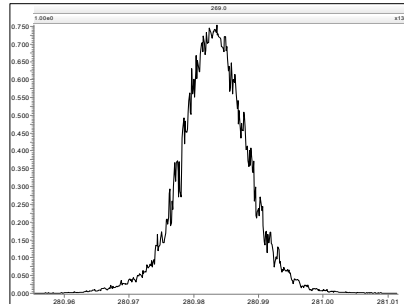
M 254.9856 R 11468



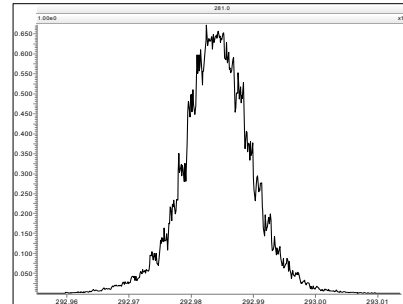
M 268.9824 R 11626



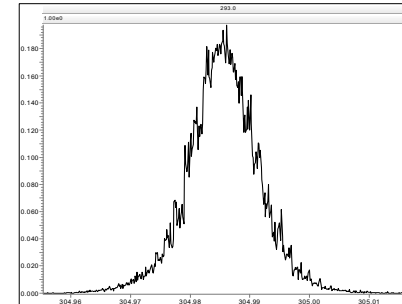
M 280.9824 R 11678



M 292.9824 R 10730



M 304.9824 R 10502



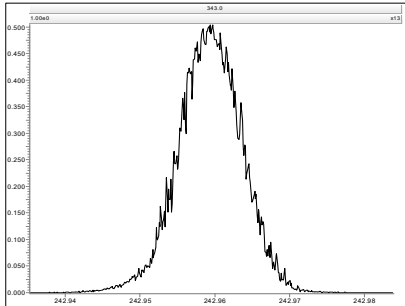
Experiment Calibration Report

MassLynx 4.1

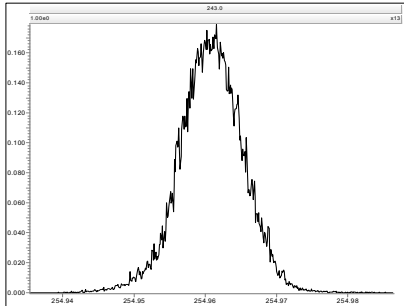
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 3 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:12:17 Eastern Standard Time

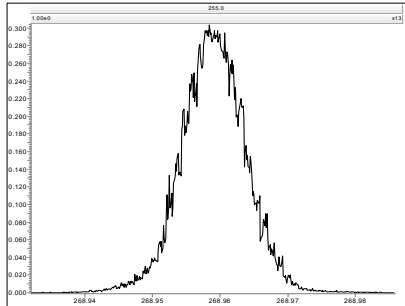
M 242.9856 R 12624



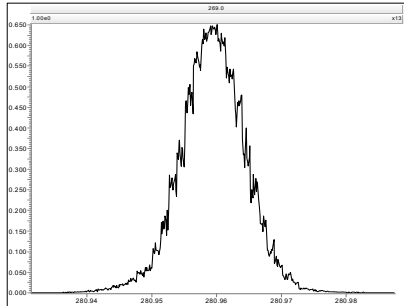
M 254.9856 R 12135



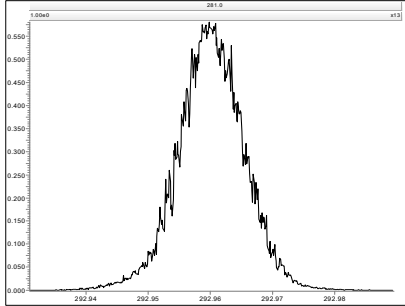
M 268.9824 R 12252



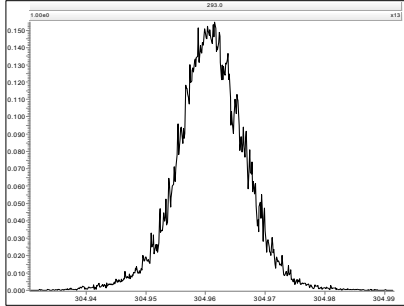
M 280.9824 R 11684



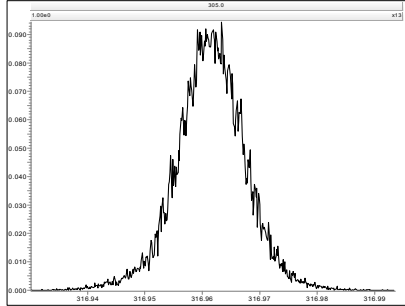
M 292.9824 R 11311



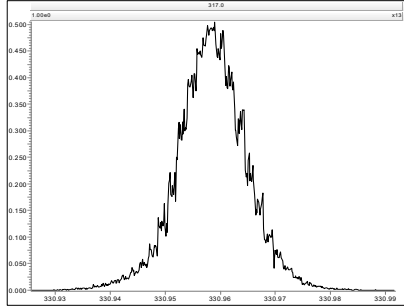
M 304.9824 R 11309



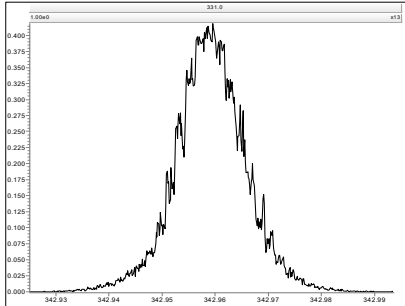
M 316.9824 R 11416



M 330.9792 R 11110



M 342.9792 R 10596



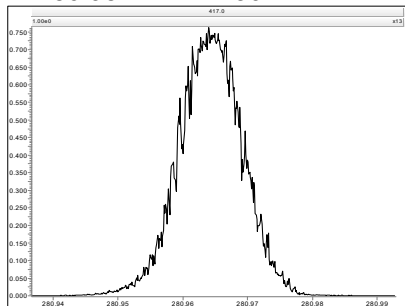
Experiment Calibration Report

MassLynx 4.1

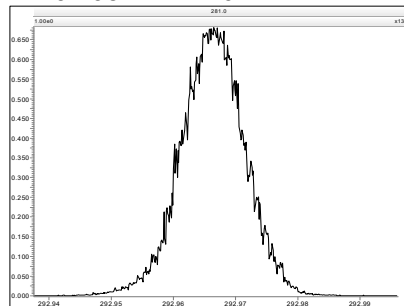
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 4 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:12:58 Eastern Standard Time

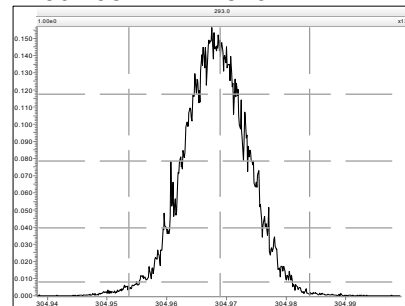
M 280.9824 R 12250



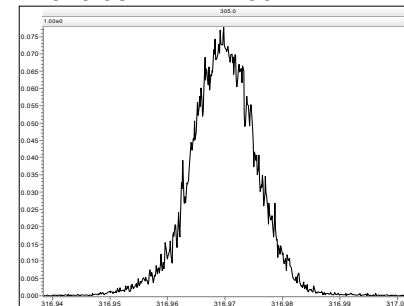
M 292.9824 R 12077



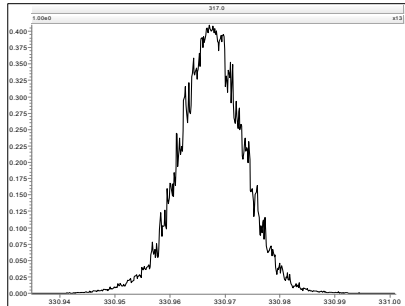
M 304.9824 R 11846



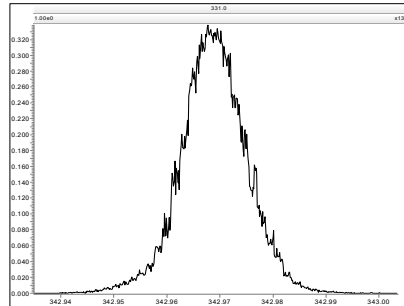
M 316.9824 R 12756



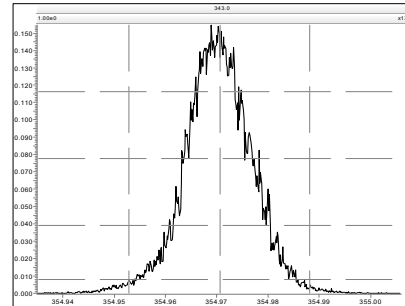
M 330.9792 R 11961



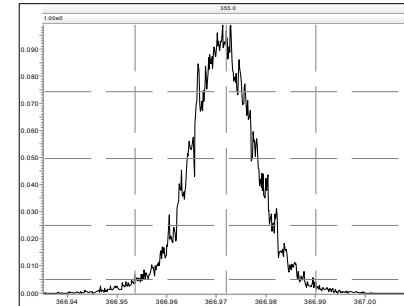
M 342.9792 R 11572



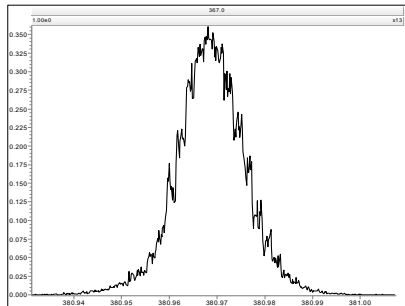
M 354.9792 R 11365



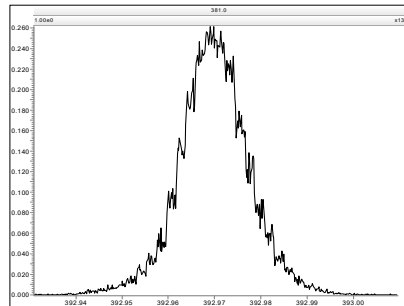
M 366.9792 R 11467



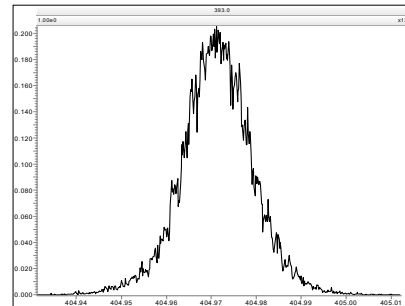
M 380.9760 R 11159



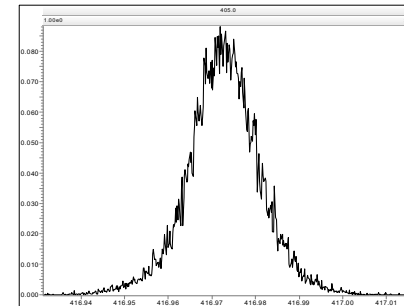
M 392.9760 R 11313



M 404.9760 R 10504



M 416.9760 R 10821



Experiment Calibration Report

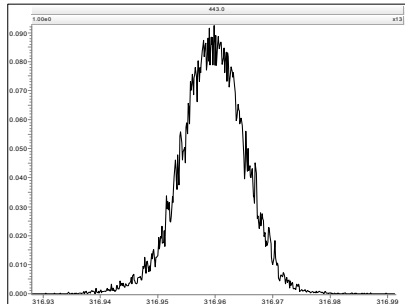
MassLynx 4.1

Page 1 of 1

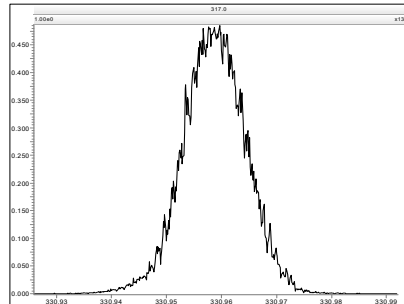
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 5 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:13:39 Eastern Standard Time

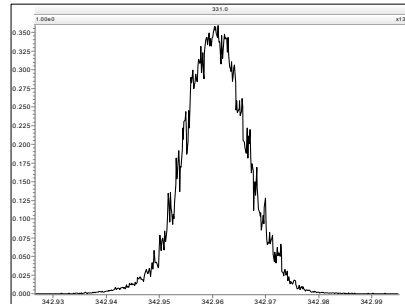
M 316.9824 R 12821



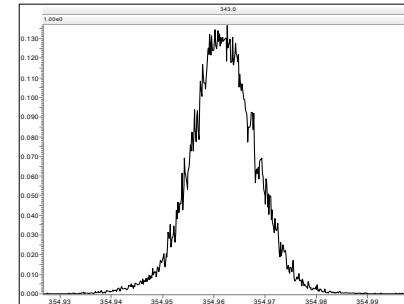
M 330.9792 R 12254



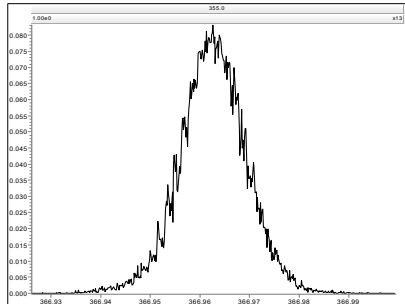
M 342.9792 R 12497



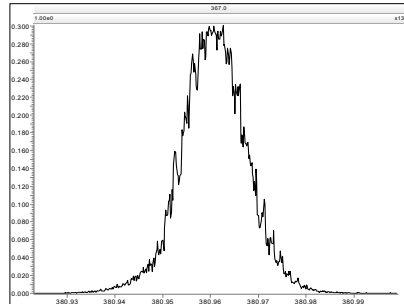
M 354.9792 R 11629



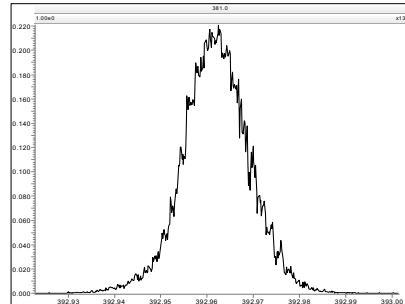
M 366.9792 R 11627



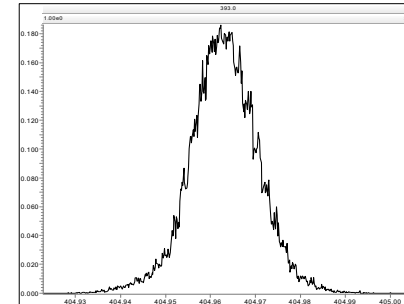
M 380.9760 R 11790



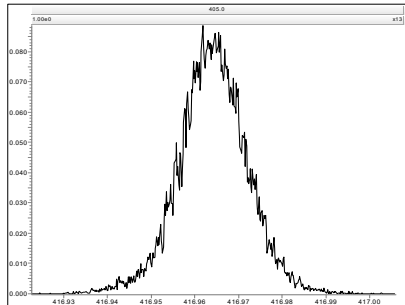
M 392.9760 R 11624



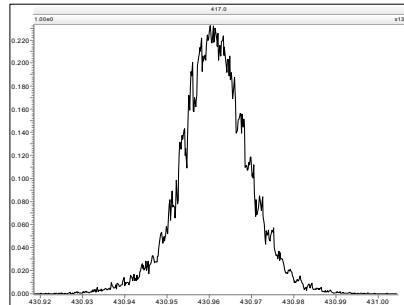
M 404.9760 R 11736



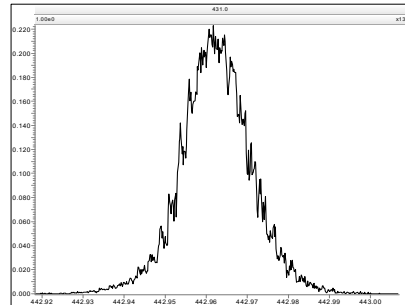
M 416.9760 R 11576



M 430.9728 R 11063



M 442.9728 R 11160



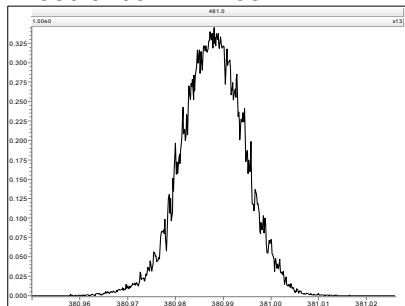
Experiment Calibration Report

MassLynx 4.1

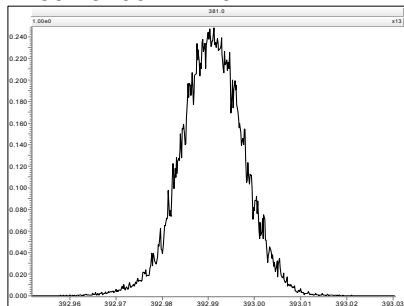
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 6 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:14:09 Eastern Standard Time

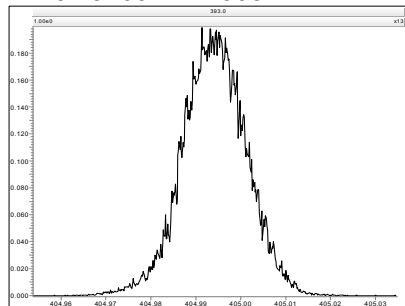
M 380.9760 R 12499



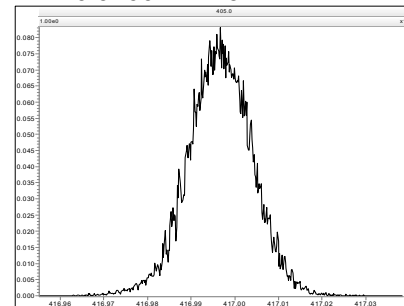
M 392.9760 R 12021



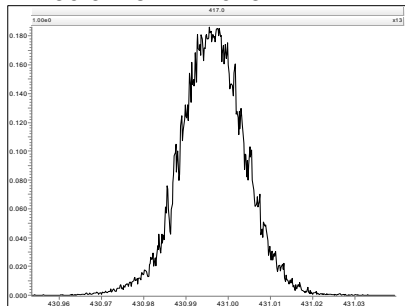
M 404.9760 R 11905



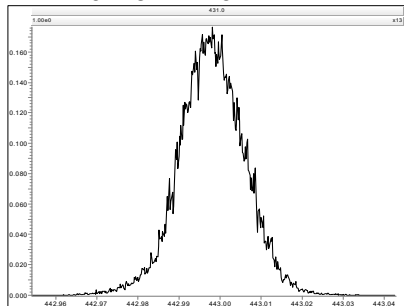
M 416.9760 R 12314



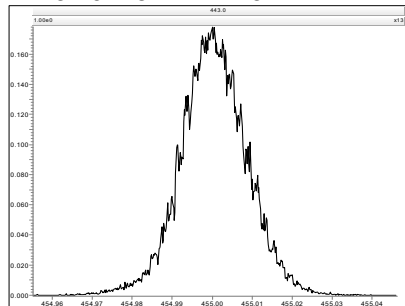
M 430.9728 R 12075



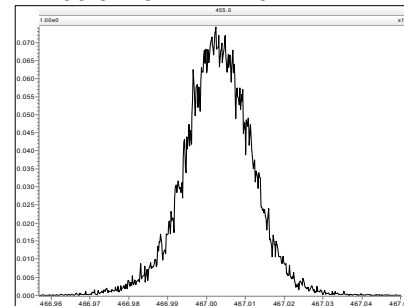
M 442.9728 R 11574



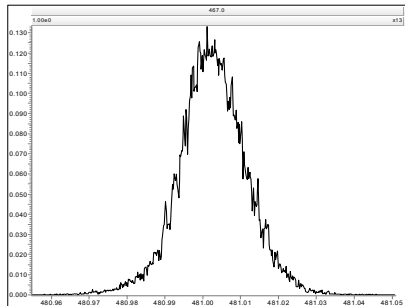
M 454.9728 R 11415



M 466.9728 R 11413



M 480.9696 R 11313



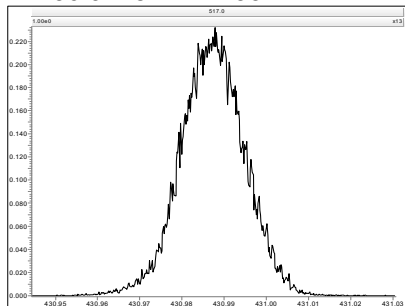
Experiment Calibration Report

MassLynx 4.1

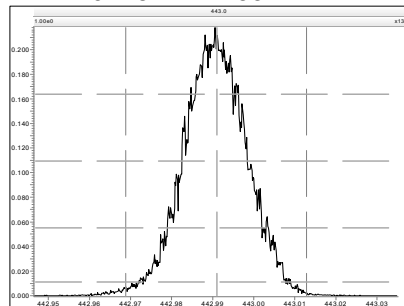
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 7 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:14:39 Eastern Standard Time

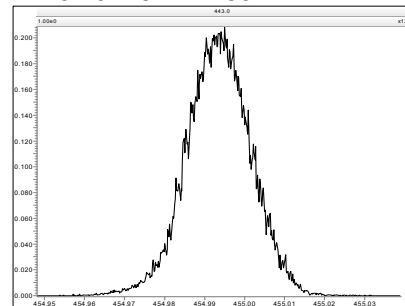
M 430.9728 R 12133



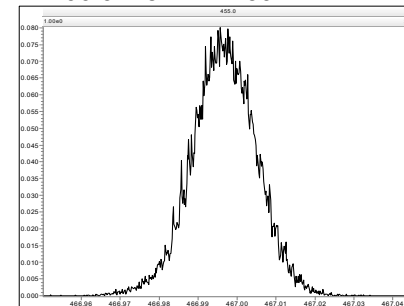
M 442.9728 R 12755



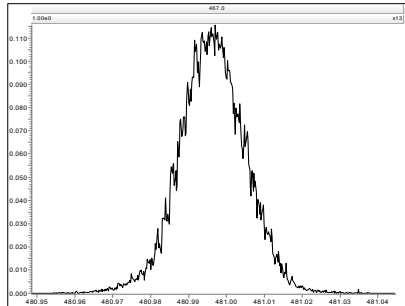
M 454.9728 R 11851



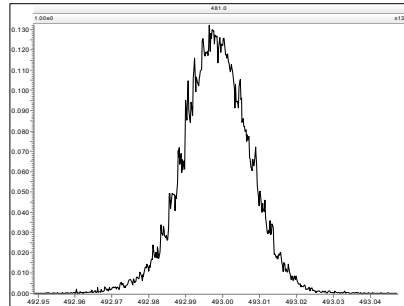
M 466.9728 R 12439



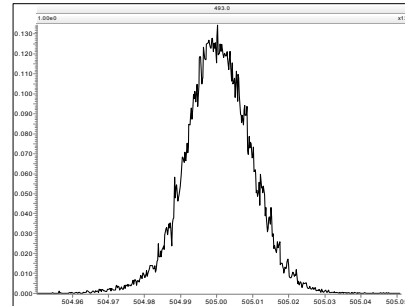
M 480.9696 R 11849



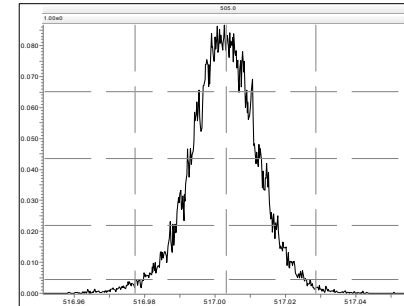
M 492.9696 R 11792



M 504.9696 R 11469



M 516.9697 R 11306

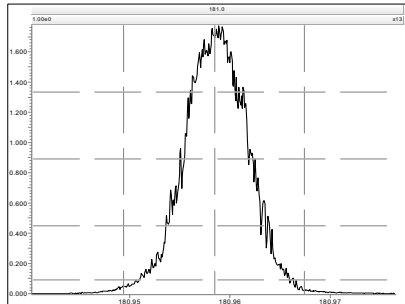


Resolution Check Report

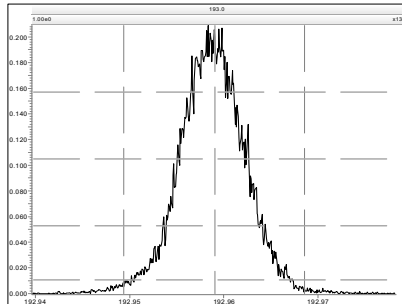
MassLynx 4.1

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

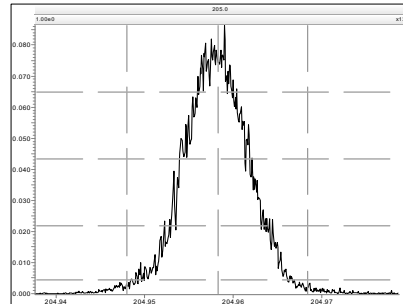
M 180.9888 R 12165



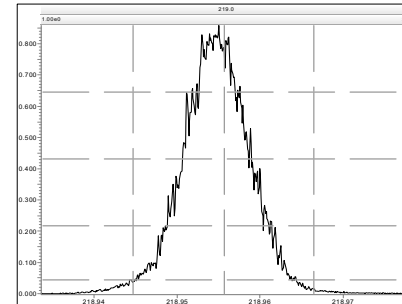
M 192.9888 R 11627



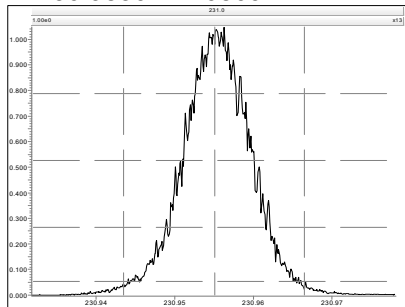
M 204.9888 R 11926



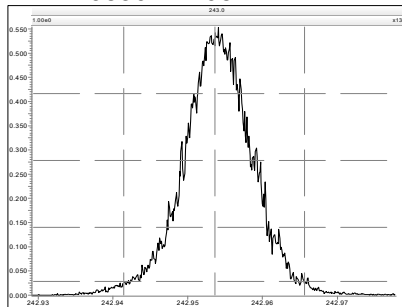
M 218.9856 R 11547



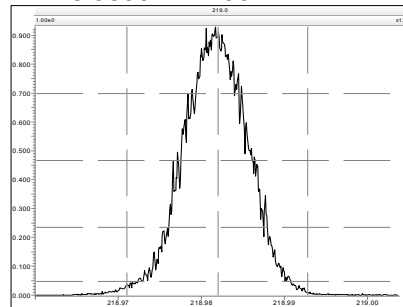
M 230.9856 R 10869



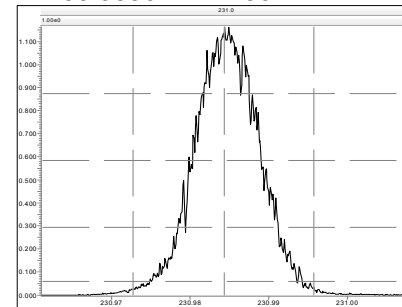
M 242.9856 R 10827



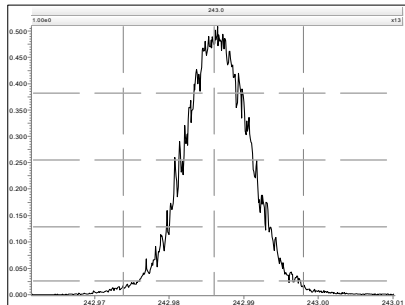
M 218.9856 R 11962



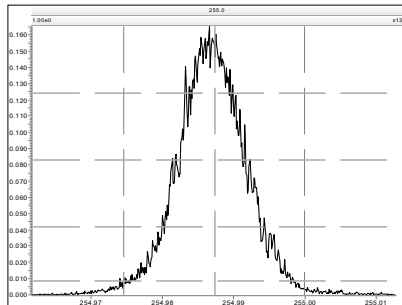
M 230.9856 R 12136



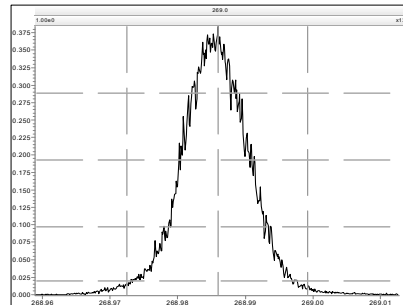
M 242.9856 R 11691



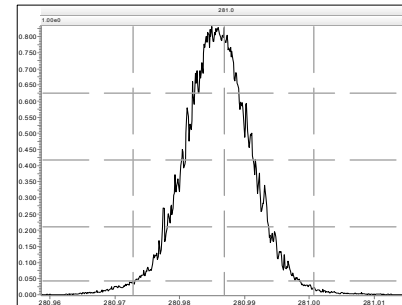
M 254.9856 R 11186



M 268.9824 R 11135



M 280.9824 R 10869



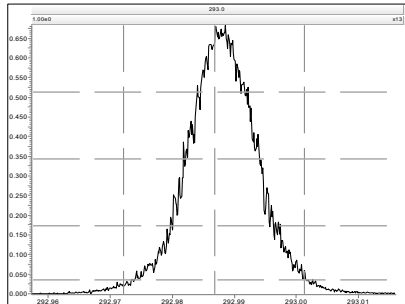
Resolution Check Report

MassLynx 4.1

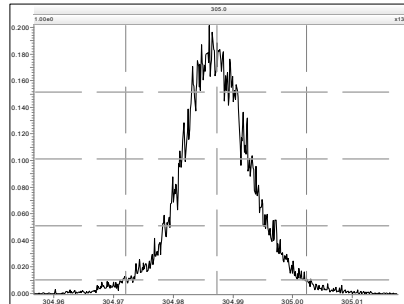
Page 2 of 6

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

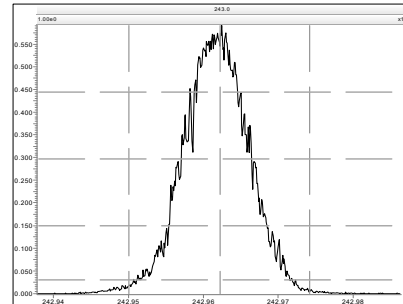
M 292.9824 R 10482



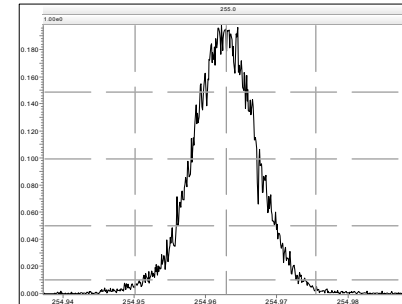
M 304.9824 R 10289



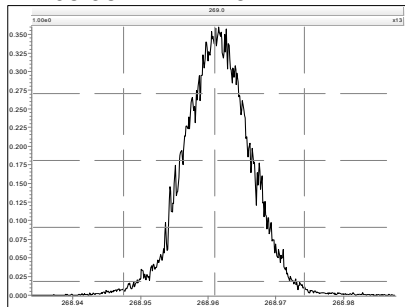
M 242.9856 R 11881



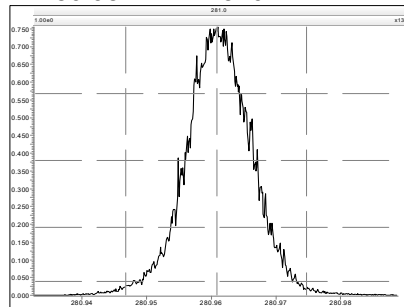
M 254.9856 R 12136



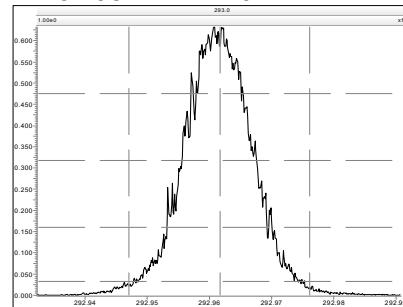
M 268.9824 R 11737



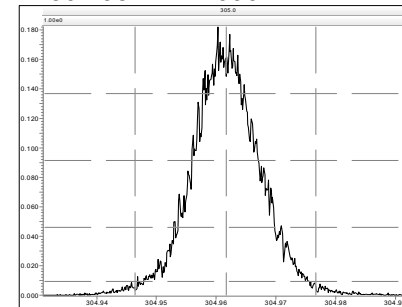
M 280.9824 R 11576



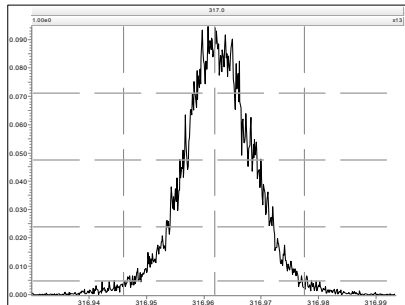
M 292.9824 R 11264



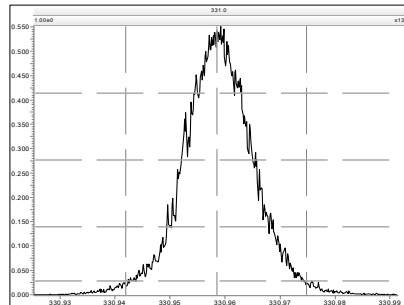
M 304.9824 R 10964



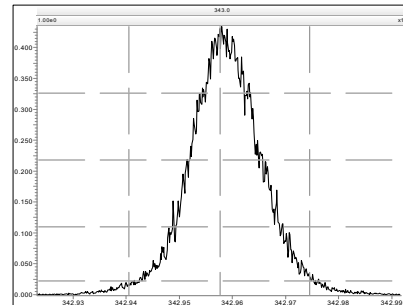
M 316.9824 R 11557



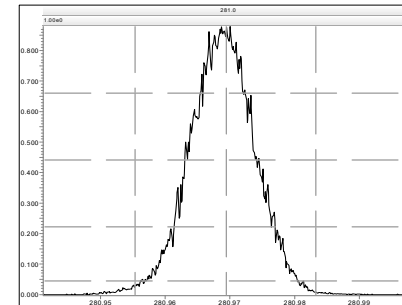
M 330.9792 R 10623



M 342.9792 R 10351



M 280.9824 R 11793



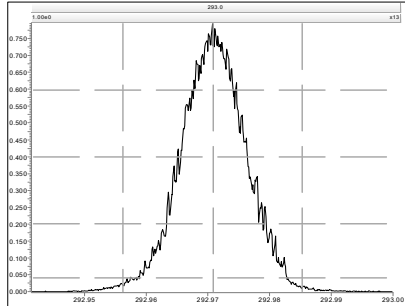
Resolution Check Report

MassLynx 4.1

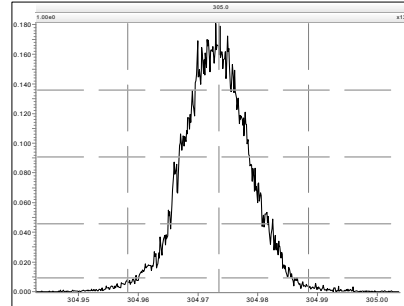
Page 3 of 6

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

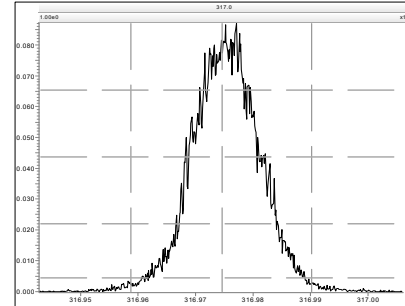
M 292.9824 R 11415



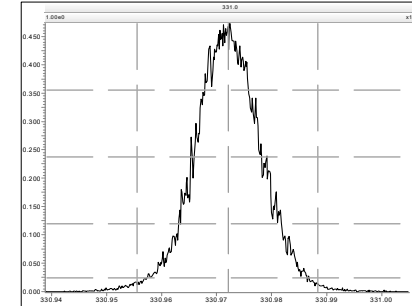
M 304.9824 R 11876



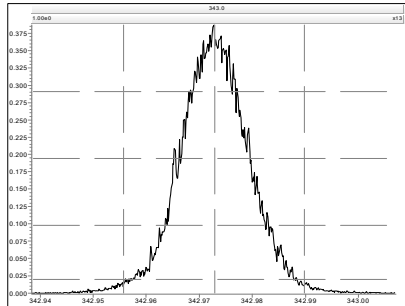
M 316.9824 R 11911



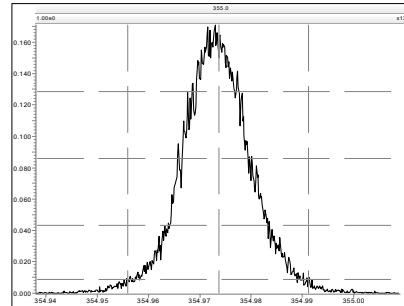
M 330.9792 R 11236



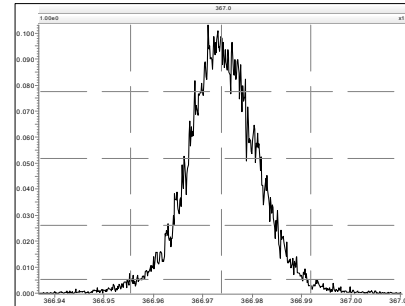
M 342.9792 R 10822



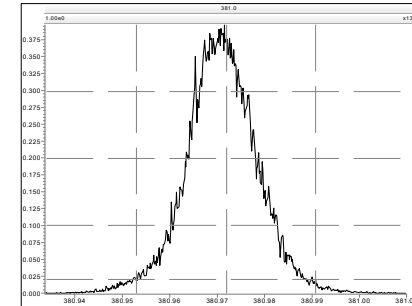
M 354.9792 R 10899



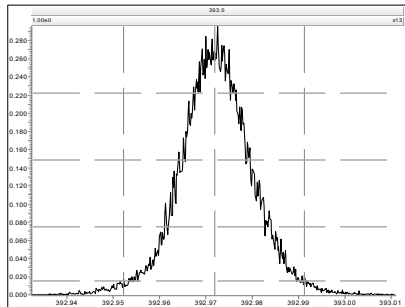
M 366.9792 R 10753



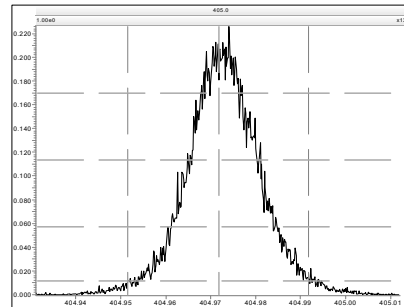
M 380.9760 R 10484



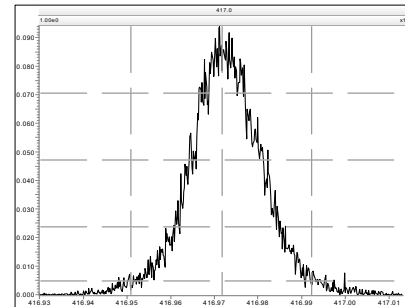
M 392.9760 R 10483



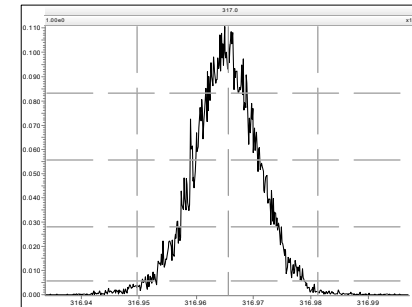
M 404.9760 R 10483



M 416.9760 R 10810



M 316.9824 R 12136



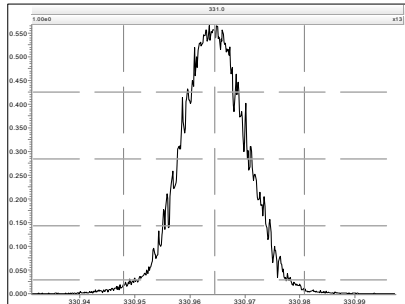
Resolution Check Report

MassLynx 4.1

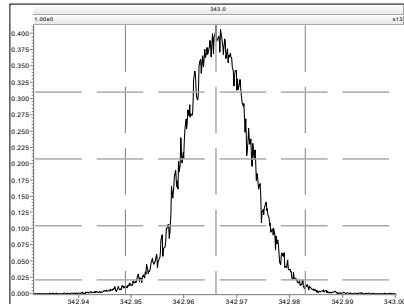
Page 4 of 6

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

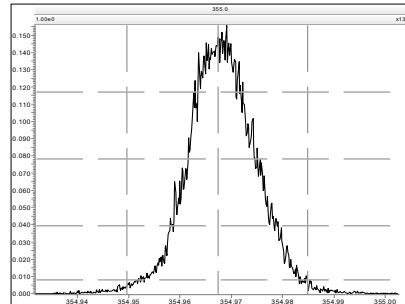
M 330.9792 R 12226



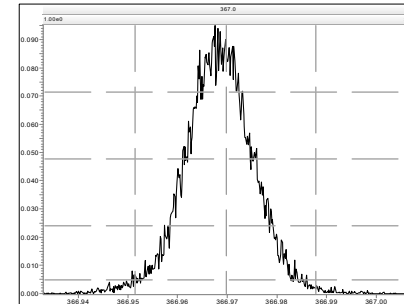
M 342.9792 R 11682



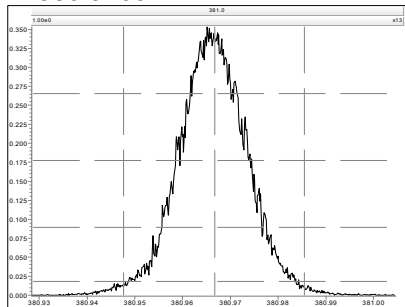
M 354.9792 R 11792



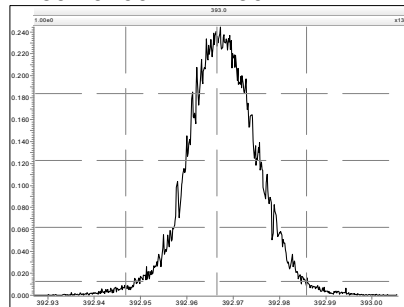
M 366.9792 R 11367



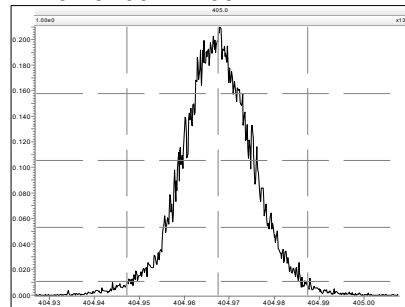
M 380.9760 R 11121



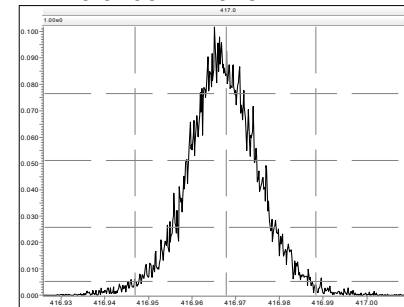
M 392.9760 R 11236



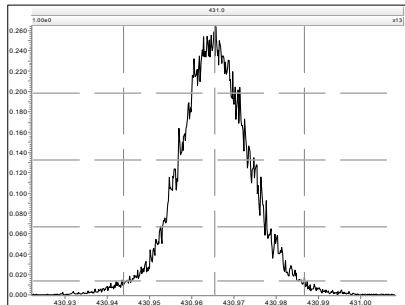
M 404.9760 R 10941



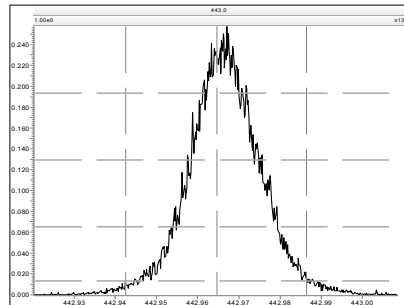
M 416.9760 R 10752



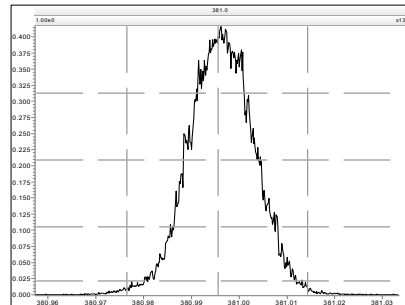
M 430.9728 R 10949



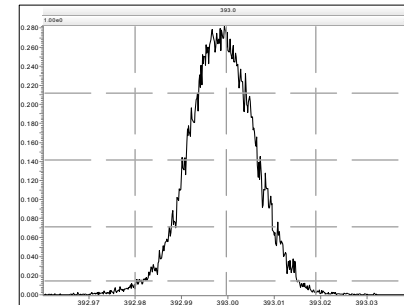
M 442.9728 R 10309



M 380.9760 R 11876



M 392.9760 R 11764

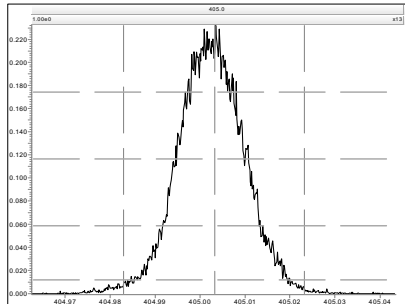


Resolution Check Report

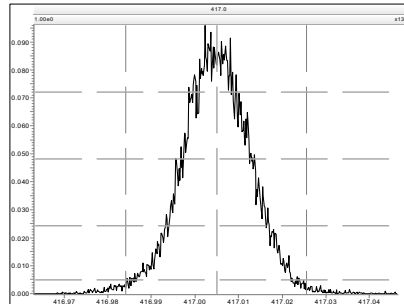
MassLynx 4.1

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

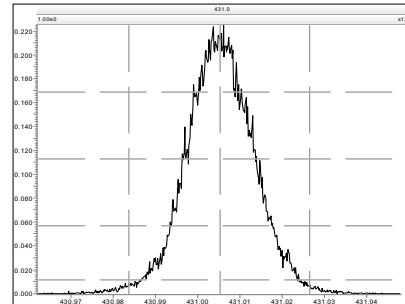
M 404.9760 R 11848



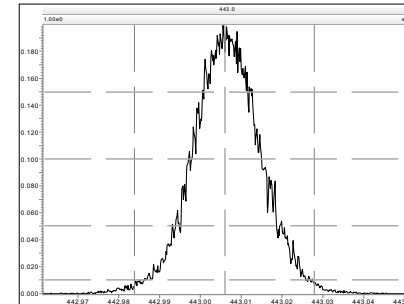
M 416.9760 R 11210



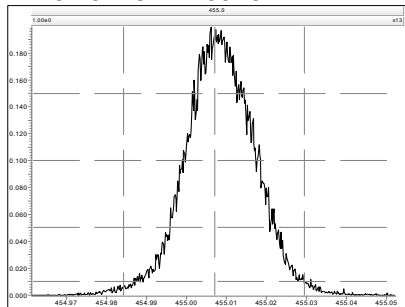
M 430.9728 R 11520



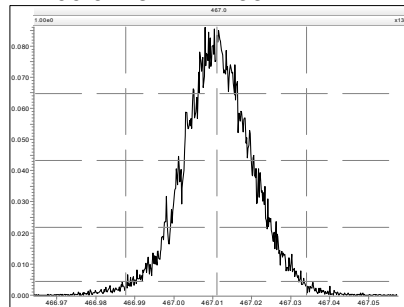
M 442.9728 R 11214



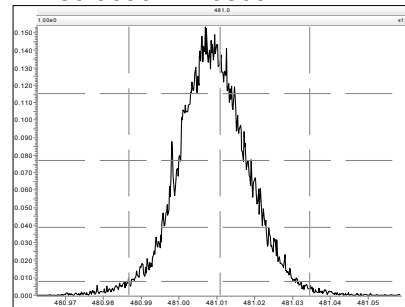
M 454.9728 R 10918



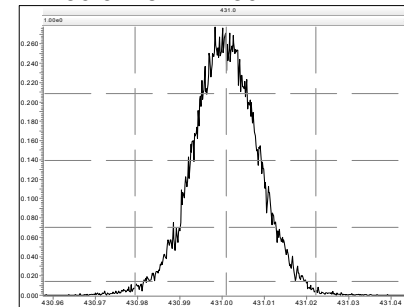
M 466.9728 R 11135



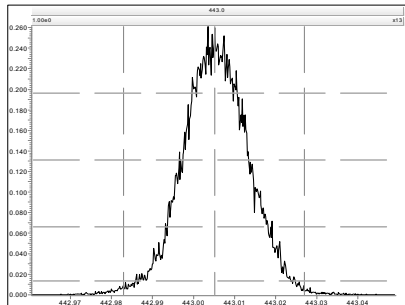
M 480.9696 R 10869



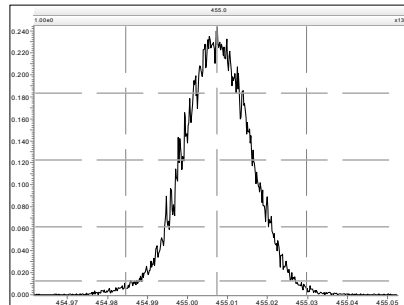
M 430.9728 R 11501



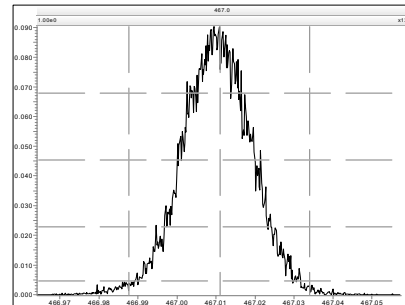
M 442.9728 R 11876



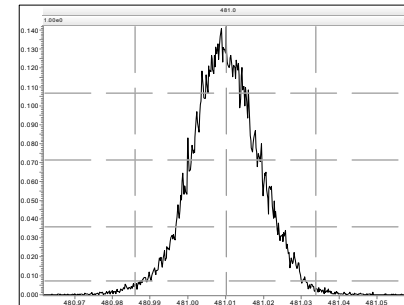
M 454.9728 R 11552



M 466.9728 R 11603



M 480.9696 R 11441



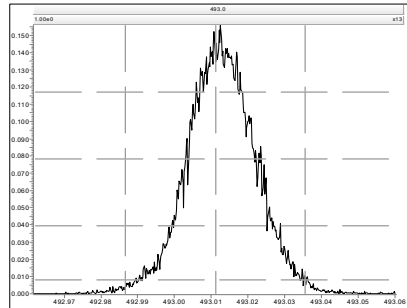
Resolution Check Report

MassLynx 4.1

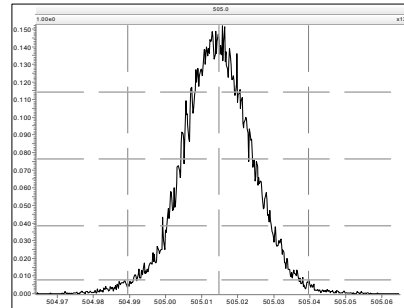
Page 6 of 6

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

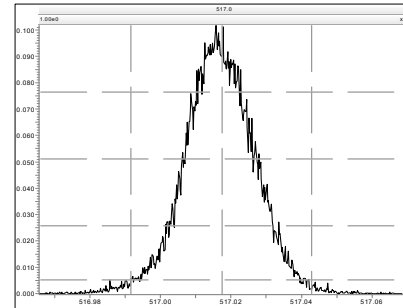
M 492.9696 R 11138



M 504.9696 R 10846



M 516.9697 R 11415



REVIEWED*By Todd Vilen at 8:08 am, Jul 06, 2012***METHOD 1668B****PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_01102012_26JAN12
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 120629S06 Analysis Date: 29-JUN-2012 13:36:22
 Lab ID: OPR1_9888_PCB-RJ

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)		OK
PCB-1 2-MoCB	25	95	71	- 132	Y
PCB-3 4-MoCB	25	105	72	- 123	Y
PCB-4 22'-DiCB	25	96.8	73	- 114	Y
PCB-15 44'-DiCB	25	101	76	- 116	Y
PCB-19 22'6'-TrCB	25	90.2	79	- 109	Y
PCB-37 344'-TrCB	25	86.5	64	- 122	Y
PCB-54 22'66'-TeCB	25	95.2	76	- 114	Y
PCB-77 33'44'-TeCB	25	86.1	71	- 116	Y
PCB-81 344'5'-TeCB	25	84	70	- 116	Y
PCB-104 22'466'-PeCB	25	92.8	74	- 117	Y
PCB-105 233'44'-PeCB	25	85.7	73	- 117	Y
PCB-114 2344'5'-PeCB	25	84.7	74	- 113	Y
PCB-118 23'44'5'-PeCB	25	89.4	81	- 112	Y
PCB-123 23'44'5'-PeCB	25	93	74	- 109	Y
PCB-126 33'44'5'-PeCB	25	82.7	74	- 113	Y
PCB-155 22'44'66'-HxCB	25	88.6	79	- 112	Y
PCB-156/157 ...-HxCB	50	85.4	78	- 117	Y
PCB-167 23'44'55'-HxCB	25	83.6	79	- 107	Y
PCB-169 33'44'55'-HxCB	25	83.5	73	- 108	Y
PCB-188 22'34'566'-HpCB	25	94.5	81	- 113	Y
PCB-189 233'44'55'-HpCB	25	81.9	77	- 114	Y
PCB-202 22'33'55'66'-OcCB	25	102	74	- 112	Y
PCB-205 233'44'55'6-OcCB	25	78.3	79	- 115	N
PCB-206 22'33'44'55'6-NoCB	25	85.8	76	- 115	Y
PCB-208 22'33'455'66'-NoCB	25	88.7	77	- 116	Y
PCB-209 DeCB	25	85.1	71	- 116	Y

Contract-required recovery limits for OPR as specified in Table 6,
 Method 1668B. 11/08

Processed: 03 Jul 2012 14:54 Analyst: LB

METHOD 1668B

PCB ONGOING PRECISION AND RECOVERY (OPR)

FORM 8B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_01102012_26JAN12
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 120629S06 Analysis Date: 29-JUN-2012 13:36:22
 Lab ID: OPR1_9888_PCB-RJ

LABELED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)			OK
ES PCB-1	100	60.5	2	-	100	Y
ES PCB-3	100	56.4	13	-	100	Y
ES PCB-4	100	52.3	18	-	100	Y
ES PCB-15	100	64.1	10	-	118	Y
ES PCB-19	100	61.4	10	-	106	Y
ES PCB-37	100	81.5	24	-	128	Y
ES PCB-54	100	54.4	16	-	111	Y
ES PCB-77	100	120	43	-	105	N
ES PCB-81	100	124	44	-	102	N
ES PCB-104	100	46	30	-	115	Y
ES PCB-105	100	90.6	52	-	116	Y
ES PCB-114	100	79.6	39	-	117	Y
ES PCB-118	100	88.2	51	-	117	Y
ES PCB-123	100	80.9	52	-	118	Y
ES PCB-126	100	100	54	-	113	Y
ES PCB-153	100	-	40	-	120	-
ES PCB-155	100	69.7	40	-	121	Y
ES PCB-156/157	200	95.6	46	-	115	Y
ES PCB-167	100	94	63	-	115	Y
ES PCB-169	100	88.6	51	-	117	Y
ES PCB-170	100	-	40	-	120	-
ES PCB-180	100	-	40	-	120	-
ES PCB-188	100	73.3	33	-	121	Y
ES PCB-189	100	93.6	55	-	112	Y
ES PCB-202	100	80.6	33	-	136	Y
ES PCB-205	100	103	61	-	103	Y
ES PCB-206	100	96.1	51	-	107	Y
ES PCB-208	100	85.2	48	-	111	Y
ES PCB-209	100	96.3	52	-	111	Y
CLEANUP STANDARDS						
CS PCB-28	100	74.2	18	-	131	Y
CS PCB-111	100	92.7	64	-	113	Y
CS PCB-178	100	85.1	62	-	133	Y

Processed: 03 Jul 2012 14:54 Analyst: LB

Lab ID: OPR1_9888_PCB-RJ

ACQ: 29-Jun-2012 13:36:22 LKB Wt/Vol: 1 µL

ICAL: MM4_PCB_01102012_26JAN12

Client ID: OPR #71971

UTP: 03-Jul-2012 12:58 LKB

J-level: 10 pg/uL Split: 1

Checkcode: 702-147-SLP

Datafile: 120629S06

RPT: 03-Jul-2012 14:54 LB

Stds (pg): JS: 100 ES: 100 CS/SS: 100

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.24		1.0006	1.0007	+0.2	1.28E+06	0.78	1.22	21.5	9.44E+02	0.166
PCB-81 344'5'-TeCB	28.77		1.0006	1.0006	0	1.25E+06	0.79	1.24	21	9.44E+02	0.165
PCB-105 233'44'-PeCB	32.18		1.0007	1.0007	0	9.09E+05	0.62	1.03	21.4	8.07E+02	0.2
PCB-114 2344'5'-PeCB	31.65		1.0007	1.0007	0	8.62E+05	0.62	1.10	21.2	8.07E+02	0.186
PCB-118 23'44'5'-PeCB	31.21		1.0008	1.0007	-0.2	9.60E+05	0.63	1.03	22.3	8.07E+02	0.184
PCB-123 23'44'5'-PeCB	30.93		1.0007	1.0007	0	8.72E+05	0.60	0.93	23.2	8.07E+02	0.202
PCB-126 33'44'5'-PeCB	34.79		1.0005	1.0005	0	1.18E+06	0.59	1.11	20.7	1.13E+03	0.216
PCB-156/157 ...-HxCB	37.33	C	1.0005	1.0005	0	1.85E+06	1.30	1.05	42.7	7.24E+02	0.233
PCB-167 23'44'55'-HxCB	36.37		1.0006	1.0006	0	9.17E+05	1.29	1.08	20.9	7.24E+02	0.174
PCB-169 33'44'55'-HxCB	40.06		1.0005	1.0005	0	8.43E+05	1.19	1.04	20.9	7.24E+02	0.206
PCB-189 233'44'55'-HpCB	42.18		1.0005	1.0004	-0.3	1.17E+06	1.06	1.11	20.5	1.03E+03	0.188
PCB-209 DeCB	47.17		1.0004	1.0004	0	7.96E+05	1.20	1.05	21.3	4.50E+02	0.189
ES PCB-1	9.83		0.7181	0.7174	-0.4	2.83E+06	3.42	1.01	60.5 %	2%	100%
ES PCB-3	11.76		0.8583	0.8582	-0.1	2.74E+06	3.33	1.05	56.4 %	13%	100%
ES PCB-4	11.96		0.8732	0.8728	-0.3	1.69E+06	1.68	0.70	52.3 %	18%	100%
ES PCB-15	17.07		1.2453	1.2461	+0.8	3.47E+06	1.65	1.17	64.1 %	10%	118%
ES PCB-19	14.66		1.0698	1.0698	0	1.61E+06	0.95	0.57	61.4 %	10%	106%
ES PCB-37	23.05		1.0865	1.0870	+0.7	3.83E+06	1.11	1.41	81.5 %	24%	128%
ES PCB-54	17.29		0.8157	0.8156	-0.1	2.39E+06	0.81	1.32	54.4 %	16%	111%
ES PCB-77	29.22	V	1.3777	1.3782	+0.9	4.86E+06	0.78	1.22	120 %	43%	105%
ES PCB-81	28.75	V	1.3557	1.3562	+0.9	4.77E+06	0.81	1.15	124 %	44%	102%
ES PCB-104	22.00		0.8147	0.8147	0	2.93E+06	1.54	1.69	46 %	30%	115%
ES PCB-105	32.16		1.1906	1.1908	+0.4	4.13E+06	1.67	1.21	90.6 %	52%	116%
ES PCB-114	31.63		1.1709	1.1712	+0.6	3.71E+06	1.63	1.23	79.6 %	39%	117%
ES PCB-118	31.19		1.1547	1.1548	+0.2	4.15E+06	1.66	1.25	88.2 %	51%	117%
ES PCB-123	30.91		1.1444	1.1446	+0.4	4.06E+06	1.61	1.33	80.9 %	52%	118%
ES PCB-126	34.77		1.2871	1.2876	+1.0	5.13E+06	1.54	1.36	100 %	54%	113%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.83		0.7939	0.7937	-0.3	3.74E+06	1.29	1.40	69.7 %	40%	121%
ES PCB-156/157	37.31		1.1035	1.1037	+0.4	8.27E+06	1.29	1.13	95.6 %	46%	115%
ES PCB-167	36.35		1.0753	1.0754	+0.2	4.06E+06	1.23	1.13	94 %	63%	115%
ES PCB-169	40.04		1.1842	1.1845	+0.7	3.87E+06	1.33	1.14	88.6 %	51%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.64		0.7204	0.7201	-0.6	3.75E+06	1.07	1.34	73.3 %	33%	121%
ES PCB-189	42.16		0.9598	0.9598	0	5.16E+06	1.07	1.77	93.6 %	55%	112%
ES PCB-202	36.15		0.8230	0.8228	-0.4	3.92E+06	0.87	1.27	80.6 %	33%	136%
ES PCB-205	44.33		1.0090	1.0090	0	4.03E+06	0.91	1.25	103 %	61%	103%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.80		1.0424	1.0425	+0.3	3.21E+06	0.78	1.07	96.1 %	51%	107%
ES PCB-208	41.76		0.9508	0.9507	-0.3	3.56E+06	0.78	1.34	85.2 %	48%	111%
ES PCB-209	47.15		1.0732	1.0733	+0.3	3.57E+06	1.19	1.18	96.3 %	52%	111%
CS/SS PCB-28	19.65		0.9269	0.9270	+0.1	3.42E+06	1.07	0.98	91 %	18%	131%
CS/SS PCB-111	29.28	V	1.0843	1.0844	+0.2	4.17E+06	1.65	0.90	115 %	64%	113%
CS/SS PCB-178	34.20		1.0118	1.0118	0	2.82E+06	1.14	0.65	116 %	62%	133%
CS PCB-28	19.65		0.9269	0.9270	+0.1	3.42E+06	1.07	1.39	74.2 %	18%	131%
CS PCB-111	29.28		1.0843	1.0844	+0.2	4.17E+06	1.65	1.19	92.7 %	64%	113%
CS PCB-178	34.20		1.0118	1.0118	0	2.82E+06	1.14	0.87	85.1 %	62%	133%
JS PCB-9	13.70					4.62E+06	1.66				
JS PCB-52	21.20					3.33E+06	0.76				
JS PCB-101	27.01					3.78E+06	1.50				
JS PCB-138	33.80					3.82E+06	1.27				
JS PCB-194	43.93					3.13E+06	0.89				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	50.1	50.1	0.364		
						Di-CBs	49.4	49.4	5.7		
						Tri-CBs	44.2	44.2	0.452		
						Tetra-CBs	66.3	66.3	0.205		
						Penta-CBs	132	132	0.22		
						Hexa-CBs	107	107	0.199		
						Hepta-CBs	44.1	44.1	0.239		
						Octa-CBs	45.2	45.2	0.205		
						Nona-CBs	43.6	43.6	0.234		
PCB-1 2-MoCB	9.84		1.0011	1.0012	+0.1	8.05E+05	3.12	1.20	23.7	2.06E+03	0.309
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00		1.13	ND	2.06E+03	0.419
PCB-3 4-MoCB	11.77		1.0010	1.0010	0	8.16E+05	3.24	1.13	26.4	2.06E+03	0.419
PCB-4 22'-DiCB	11.97		1.0012	1.0012	0	3.86E+05	1.48	0.94	24.2	1.75E+04	6.83
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.43	ND	1.75E+04	4.5
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.87	ND	1.81E+04	5.29
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.00	ND	1.81E+04	4.58
PCB-6 23'-DiCB	NotFnd		1.0261	-		0.00E+00		0.94	ND	1.81E+04	4.9
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.92	ND	1.81E+04	4.99
PCB-8 24'-DiCB	NotFnd		1.0533	-		0.00E+00		0.95	ND	1.81E+04	4.84
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.09	ND	1.81E+04	4.2
PCB-11 33'-DiCB	NotFnd		0.9701	-		0.00E+00		0.98	ND	1.81E+04	4.7
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00		0.97	ND	1.81E+04	4.74
PCB-15 44'-DiCB	17.08		1.0008	1.0009	+0.1	8.80E+05	1.34	1.01	25.2	1.81E+04	4.57

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.67		1.0011	1.0011	0	3.66E+05	1.02	1.01	22.5	1.25E+03	0.526
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1110	-		0.00E+00		1.29	ND	1.25E+03	0.411
PCB-17 22'4-TrCB	NotFnd		1.1357	-		0.00E+00		1.14	ND	1.25E+03	0.468
PCB-27 23'6-TrCB	NotFnd		1.1479	-		0.00E+00		1.48	ND	1.25E+03	0.358
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.43	ND	1.25E+03	0.371
PCB-16 22'3-TrCB	NotFnd		1.1612	-		0.00E+00		0.89	ND	1.25E+03	0.595
PCB-32 24'6-TrCB	NotFnd		1.1923	-		0.00E+00		1.56	ND	1.25E+03	0.341
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.18	ND	1.68E+03	0.385
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.19	ND	1.68E+03	0.383
PCB-26/29 23'5/245-TrCB	NotFnd	C	0.8236	-		0.00E+00		1.20	ND	1.68E+03	0.378
PCB-25 23'4-TrCB	NotFnd		0.8315	-		0.00E+00		1.19	ND	1.68E+03	0.38
PCB-31 24'5-TrCB	NotFnd		0.8430	-		0.00E+00		1.23	ND	1.68E+03	0.37
PCB-28/20 244' /233' -TrCB	NotFnd	C	0.8542	-		0.00E+00		1.18	ND	1.68E+03	0.384
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8612	-		0.00E+00		1.21	ND	1.68E+03	0.373
PCB-22 234' -TrCB	NotFnd		0.8766	-		0.00E+00		1.11	ND	1.68E+03	0.407
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.21	ND	1.68E+03	0.374
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.32	ND	1.68E+03	0.344
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.15	ND	1.68E+03	0.393
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00		1.13	ND	1.68E+03	0.4
PCB-37 344' -TrCB	23.06		1.0008	1.0007	-0.1	9.93E+05	1.12	1.20	21.6	1.68E+03	0.378
PCB-54 22'66'-TeCB	17.31		1.0010	1.0011	+0.1	5.31E+05	0.77	0.93	23.8	7.29E+02	0.276
PCB-50/53 22'46/22'56' -TeCB	NotFnd	C	0.9051	-		0.00E+00		0.83	ND	7.92E+02	0.207
PCB-45 22'36-TeCB	NotFnd		0.9304	-		0.00E+00		0.71	ND	7.92E+02	0.244
PCB-51 22'46' -TeCB	NotFnd		0.9340	-		0.00E+00		0.88	ND	7.92E+02	0.196
PCB-46 22'36' -TeCB	NotFnd		0.9429	-		0.00E+00		0.69	ND	7.92E+02	0.248
PCB-52 22'55' -TeCB	NotFnd		1.0010	-		0.00E+00		0.80	ND	7.92E+02	0.214
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		1.03	ND	7.92E+02	0.167
PCB-43 22'35-TeCB	NotFnd		1.0106	-		0.00E+00		0.71	ND	7.92E+02	0.244
PCB-69/49 23'46/22'45' -TeCB	NotFnd	C	1.0198	-		0.00E+00		0.96	ND	7.92E+02	0.179
PCB-48 22'45-TeCB	NotFnd		1.0319	-		0.00E+00		0.84	ND	7.92E+02	0.206
PCB-44/47/65 ... -TeCB	NotFnd	C	1.0416	-		0.00E+00		0.86	ND	7.92E+02	0.2
PCB-59/62/75 ... -TeCB	NotFnd	C	1.0541	-		0.00E+00		1.09	ND	7.92E+02	0.157
PCB-42 22'34' -TeCB	NotFnd		1.0612	-		0.00E+00		0.77	ND	7.92E+02	0.225
PCB-41 22'34-TeCB	NotFnd		1.0759	-		0.00E+00		0.73	ND	7.92E+02	0.237
PCB-71/40 23'4'6/22'33' -TeCB	NotFnd	C	1.0806	-		0.00E+00		0.81	ND	7.92E+02	0.211
PCB-64 234'6-TeCB	NotFnd		1.0899	-		0.00E+00		1.17	ND	7.92E+02	0.147
PCB-72 23'55' -TeCB	NotFnd		0.8295	-		0.00E+00		1.25	ND	9.44E+02	0.164
PCB-68 23'45' -TeCB	NotFnd		0.8379	-		0.00E+00		1.36	ND	9.44E+02	0.15
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.22	ND	9.44E+02	0.167
PCB-58 233'5' -TeCB	NotFnd		0.8568	-		0.00E+00		1.26	ND	9.44E+02	0.163
PCB-67 23'45-TeCB	NotFnd		0.8620	-		0.00E+00		1.27	ND	9.44E+02	0.161
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00		1.34	ND	9.44E+02	0.153
PCB-61/70/74/76 ... -TeCB	NotFnd	C	0.8792	-		0.00E+00		1.24	ND	9.44E+02	0.165
PCB-66 23'44' -TeCB	NotFnd		0.8888	-		0.00E+00		1.19	ND	9.44E+02	0.173
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.22	ND	9.44E+02	0.168

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9080	-		0.00E+00		1.18	ND	9.44E+02	0.174
PCB-60 2344'-TeCB	NotFnd		0.9144	-		0.00E+00		1.24	ND	9.44E+02	0.166
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.37	ND	9.44E+02	0.149
PCB-79 33'45'-TeCB	NotFnd		0.9718	-		0.00E+00		1.37	ND	9.44E+02	0.15
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.19	ND	9.44E+02	0.172
PCB-104 22'466'-PeCB	22.02		1.0010	1.0009	-0.1	6.24E+05	0.62	0.92	23.2	9.53E+02	0.332
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.81	ND	9.53E+02	0.375
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.78	ND	8.07E+02	0.241
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.71	ND	8.07E+02	0.262
PCB-95 22'35'6'-PeCB	NotFnd		0.9082	-		0.00E+00		0.74	ND	8.07E+02	0.251
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.75	ND	8.07E+02	0.25
PCB-102 22'456'-PeCB	NotFnd		0.9198	-		0.00E+00		0.75	ND	8.07E+02	0.249
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.71	ND	8.07E+02	0.262
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.66	ND	8.07E+02	0.281
PCB-91 22'34'6'-PeCB	NotFnd		0.9352	-		0.00E+00		0.84	ND	8.07E+02	0.223
PCB-84 22'33'6'-PeCB	NotFnd		0.9416	-		0.00E+00		0.65	ND	8.07E+02	0.287
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.69	ND	8.07E+02	0.272
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		0.98	ND	8.07E+02	0.19
PCB-92 22'355'-PeCB	NotFnd		0.9825	-		0.00E+00		0.72	ND	8.07E+02	0.261
PCB-113/90/101 ...-PeCB	NotFnd	C	0.9999	-		0.00E+00		0.81	ND	8.07E+02	0.231
PCB-83 22'33'5'-PeCB	NotFnd		1.0150	-		0.00E+00		0.62	ND	8.07E+02	0.3
PCB-99 22'44'5'-PeCB	NotFnd		1.0190	-		0.00E+00		0.76	ND	8.07E+02	0.244
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		0.96	ND	8.07E+02	0.194
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0347	-		0.00E+00		0.83	ND	8.07E+02	0.226
PCB-117 234'56'-PeCB	NotFnd		1.0539	-		0.00E+00		0.94	ND	8.07E+02	0.198
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0566	-		0.00E+00		0.81	ND	8.07E+02	0.231
PCB-110 233'4'6'-PeCB	NotFnd		1.0615	-		0.00E+00		0.92	ND	8.07E+02	0.203
PCB-115 2344'6'-PeCB	NotFnd		1.0644	-		0.00E+00		0.95	ND	8.07E+02	0.197
PCB-82 22'33'4'-PeCB	NotFnd		1.0711	-		0.00E+00		0.62	ND	8.07E+02	0.303
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		0.98	ND	8.07E+02	0.189
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		0.99	ND	8.07E+02	0.188
PCB-107/124 ...-PeCB	NotFnd	C	0.9909	-		0.00E+00		0.92	ND	8.07E+02	0.203
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		1.00	ND	8.07E+02	0.188
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.96	ND	8.07E+02	0.194
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.93	ND	8.07E+02	0.22
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		1.04	ND	8.07E+02	0.197
PCB-155 22'44'66'-HxCB	26.85		1.0008	1.0008	0	8.75E+05	1.24	1.06	22.2	7.42E+02	0.183
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.98	ND	7.42E+02	0.197
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		0.99	ND	7.42E+02	0.196
PCB-136 22'33'66'-HxCB	NotFnd		1.0216	-		0.00E+00		0.92	ND	7.42E+02	0.21
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.94	ND	7.42E+02	0.206
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.73	ND	7.42E+02	0.264
PCB-151/135 ...-HxCB	NotFnd	C	1.0986	-		0.00E+00		0.71	ND	7.42E+02	0.272
PCB-154 22'44'56'-HxCB	NotFnd		1.1067	-		0.00E+00		0.78	ND	7.42E+02	0.246
PCB-144 22'345'6'-HxCB	NotFnd		1.1158	-		0.00E+00		0.72	ND	7.42E+02	0.269

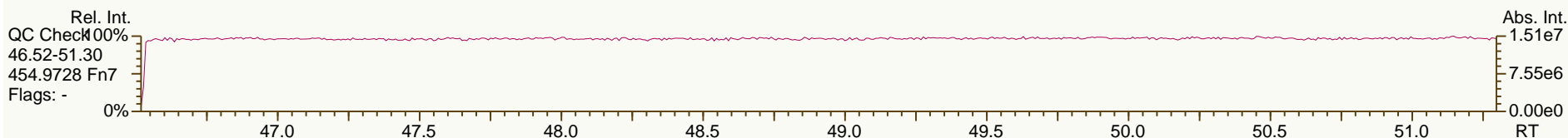
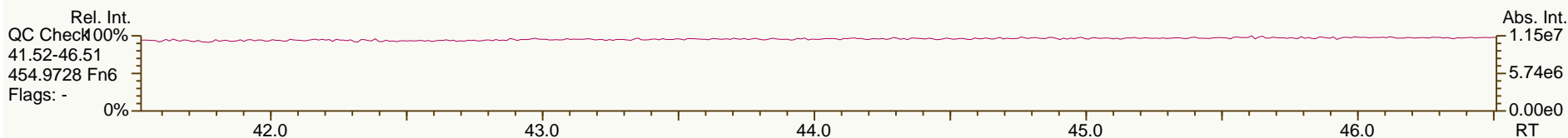
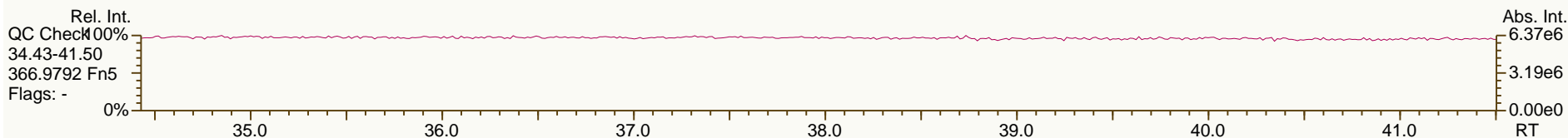
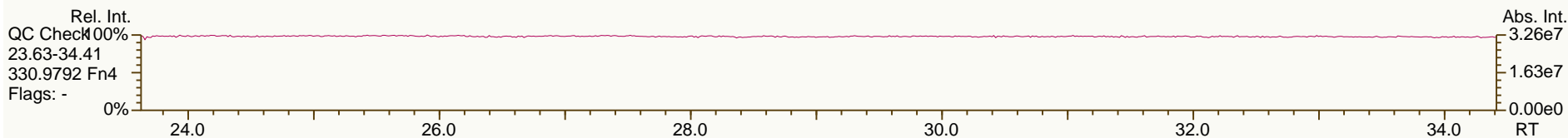
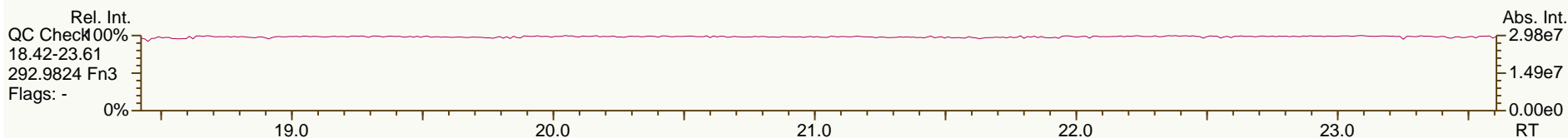
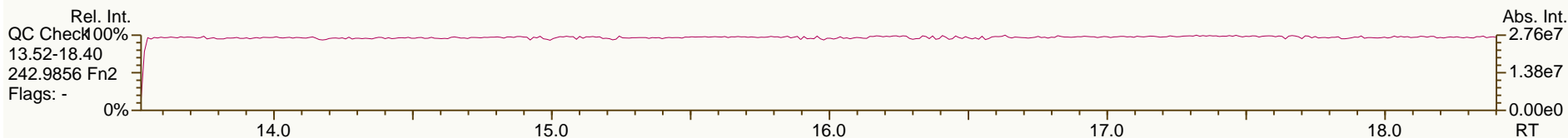
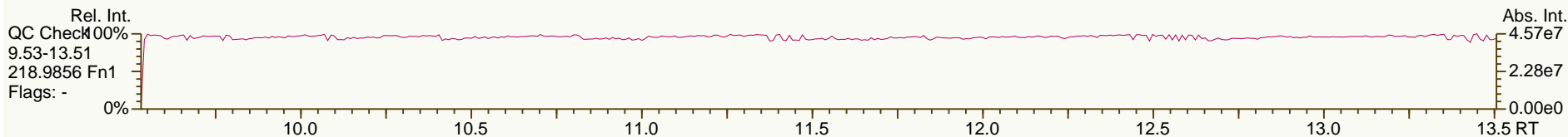
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	NotFnd	C	1.1269	-		0.00E+00		0.72	ND	7.42E+02	0.267
PCB-134 22'33'56"-HxCB	NotFnd		1.1326	-		0.00E+00		0.61	ND	7.42E+02	0.319
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00		0.69	ND	7.42E+02	0.279
PCB-139/140 ...-HxCB	NotFnd	C	1.1458	-		0.00E+00		0.73	ND	7.42E+02	0.263
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00		0.65	ND	7.42E+02	0.299
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.67	ND	7.42E+02	0.287
PCB-132 22'33'46"-HxCB	NotFnd		1.1655	-		0.00E+00		0.68	ND	7.42E+02	0.285
PCB-133 22'33'55"-HxCB	NotFnd		1.1826	-		0.00E+00		0.69	ND	7.42E+02	0.281
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.82	ND	7.42E+02	0.235
PCB-146 22'34'55"-HxCB	NotFnd		0.9550	-		0.00E+00		0.73	ND	7.42E+02	0.265
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.93	ND	7.42E+02	0.209
PCB-153/168 ...-HxCB	NotFnd	C	0.9709	-		0.00E+00		0.89	ND	7.42E+02	0.218
PCB-141 22'34'55"-HxCB	NotFnd		0.9746	-		0.00E+00		0.71	ND	7.42E+02	0.274
PCB-130 22'33'45"-HxCB	NotFnd		0.9847	-		0.00E+00		0.64	ND	7.42E+02	0.304
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9904	-		0.00E+00		0.78	ND	7.42E+02	0.249
PCB-164 233'4'5'6"-HxCB	NotFnd		0.9930	-		0.00E+00		0.88	ND	7.42E+02	0.22
PCB-163/138/129 ...-HxCB	NotFnd	C	1.0012	-		0.00E+00		0.76	ND	7.42E+02	0.254
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.88	ND	7.42E+02	0.219
PCB-158 233'44'6"-HxCB	NotFnd		1.0106	-		0.00E+00		0.96	ND	7.42E+02	0.201
PCB-128/166 ...-HxCB	NotFnd	C	0.9593	-		0.00E+00		0.86	ND	7.24E+02	0.218
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.03	ND	7.24E+02	0.183
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.04	ND	7.24E+02	0.181
PCB-188 22'34'566"-HpCB	31.66		1.0007	1.0007	0	9.45E+05	1.05	1.07	23.6	8.89E+02	0.211
PCB-179 22'33'566"-HpCB	NotFnd		1.0089	-		0.00E+00		0.98	ND	8.89E+02	0.23
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00		0.97	ND	8.89E+02	0.232
PCB-176 22'33'466"-HpCB	NotFnd		1.0324	-		0.00E+00		1.06	ND	8.89E+02	0.211
PCB-186 22'34'566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.02	ND	8.89E+02	0.221
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0816	-		0.00E+00		0.77	ND	8.89E+02	0.292
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00		0.70	ND	8.44E+02	0.306
PCB-187 22'34'55'6"-HpCB	NotFnd		1.1057	-		0.00E+00		0.73	ND	8.44E+02	0.292
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.74	ND	8.44E+02	0.287
PCB-183 22'34'4'5'6"-HpCB	NotFnd		1.1219	-		0.00E+00		0.75	ND	8.44E+02	0.285
PCB-185 22'34'55'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.73	ND	8.44E+02	0.293
PCB-174 22'33'456"-HpCB	NotFnd		1.1276	-		0.00E+00		0.63	ND	8.44E+02	0.341
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1393	-		0.00E+00		0.64	ND	8.44E+02	0.334
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.72	ND	8.44E+02	0.299
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00		0.64	ND	8.44E+02	0.336
PCB-172 22'33'455"-HpCB	NotFnd		0.9003	-		0.00E+00		0.69	ND	8.44E+02	0.249
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.91	ND	8.44E+02	0.189
PCB-180/193 ...-HpCB	NotFnd	C	0.9127	-		0.00E+00		0.84	ND	8.44E+02	0.204
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00		0.94	ND	8.44E+02	0.182
PCB-170 22'33'44'5"-HpCB	NotFnd		0.9380	-		0.00E+00		0.70	ND	8.44E+02	0.246
PCB-190 233'44'56"-HpCB	NotFnd		0.9486	-		0.00E+00		0.94	ND	8.44E+02	0.182
PCB-202 22'33'55'66"-OoCB	36.17		1.0006	1.0006	0	8.29E+05	0.90	0.83	25.6	6.86E+02	0.259
PCB-201 22'33'45'66"-OoCB	NotFnd		1.0221	-		0.00E+00		0.93	ND	6.86E+02	0.231

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.89	ND	6.86E+02	0.24
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		0.91	ND	6.86E+02	0.235
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.93	ND	6.86E+02	0.231
PCB-198/199 ...-OcCB	NotFnd	C	1.1102	-		0.00E+00		0.68	ND	6.86E+02	0.313
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1260	-		0.00E+00		0.72	ND	6.86E+02	0.299
PCB-203 22'344'55'6-OcCB	NotFnd		1.1306	-		0.00E+00		0.74	ND	6.86E+02	0.291
PCB-195 22'33'44'56-OcCB	NotFnd		0.9469	-		0.00E+00		0.81	ND	6.35E+02	0.203
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9915	-		0.00E+00		0.86	ND	6.35E+02	0.192
PCB-205 233'44'55'6-OcCB	44.35		1.0004	1.0004	0	8.63E+05	0.91	1.09	19.6	6.35E+02	0.151
PCB-208 22'33'455'66'-NoCB	41.79		1.0005	1.0005	0	7.71E+05	0.78	0.98	22.2	6.01E+02	0.236
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		1.02	ND	6.01E+02	0.227
PCB-206 22'33'44'55'6-NoCB	45.82		1.0004	1.0005	+0.3	6.42E+05	0.82	0.93	21.4	6.01E+02	0.232

AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

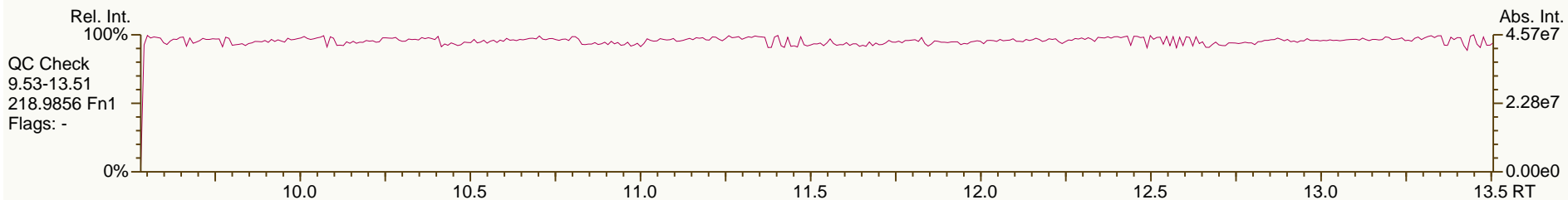
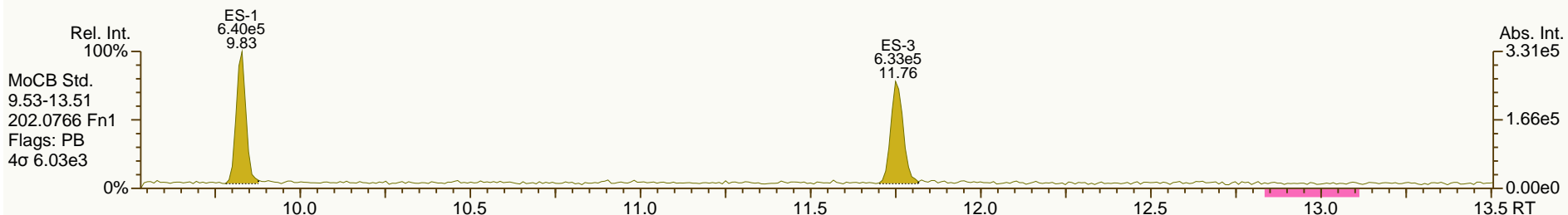
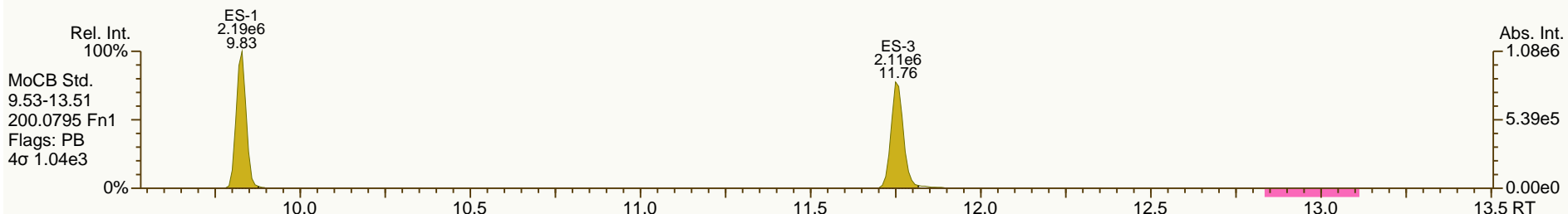
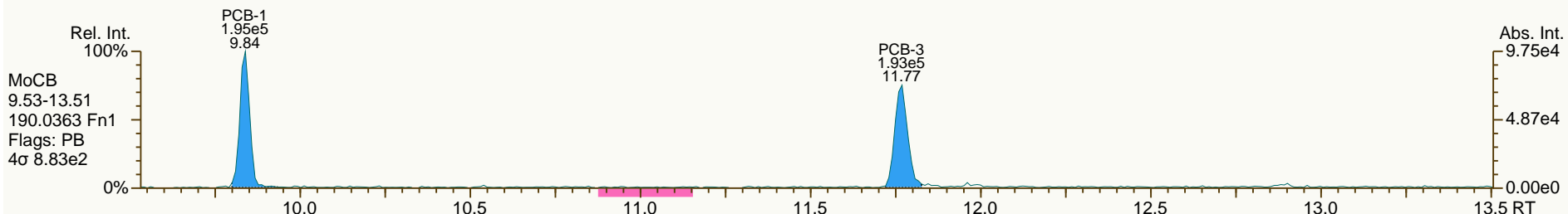
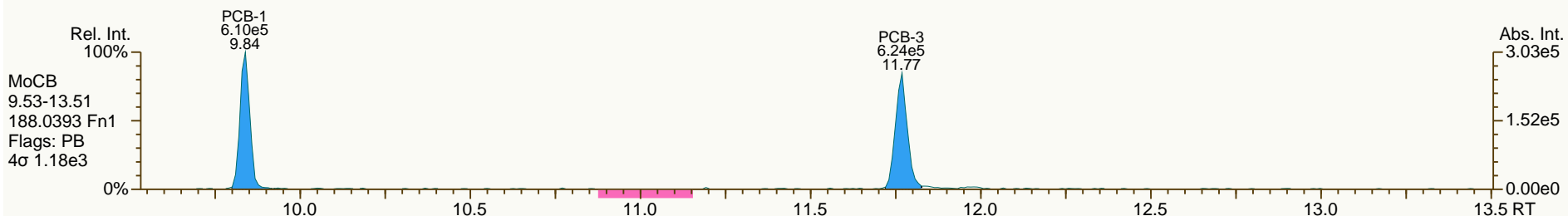
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

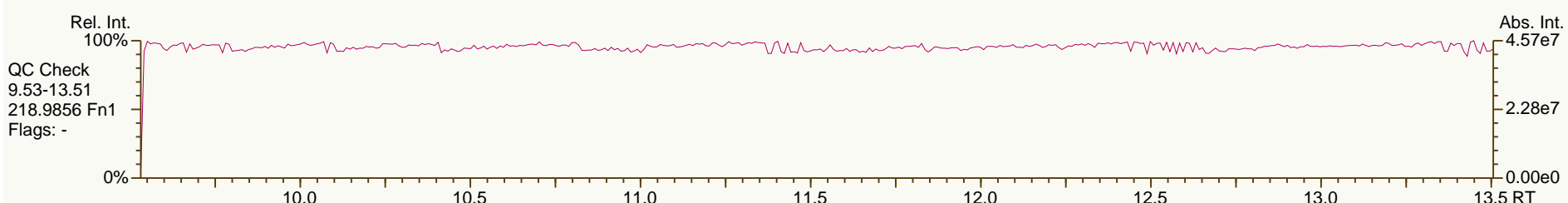
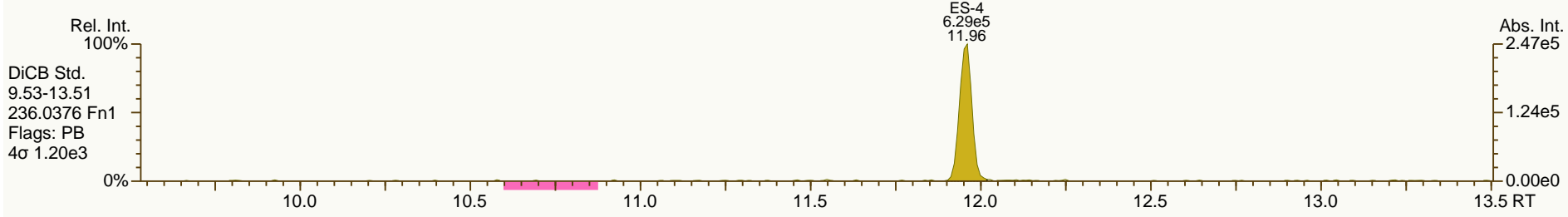
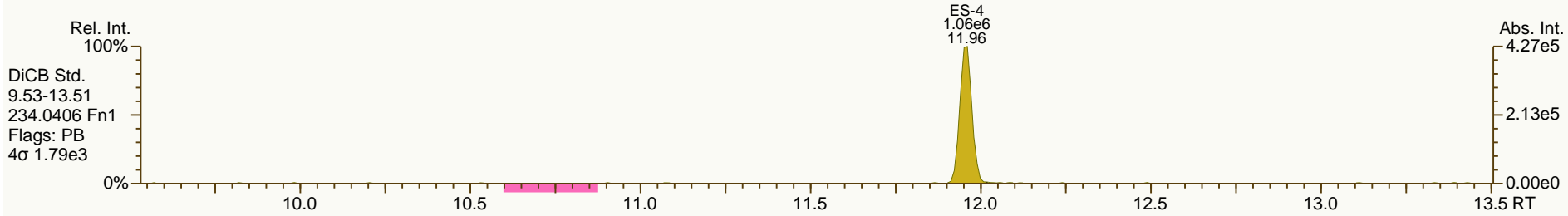
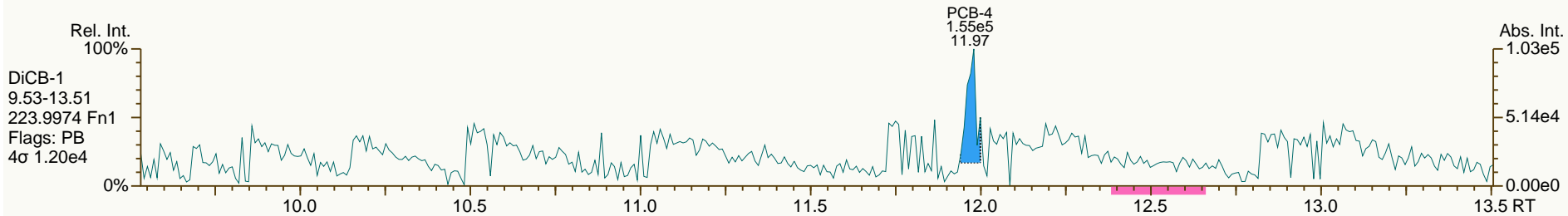
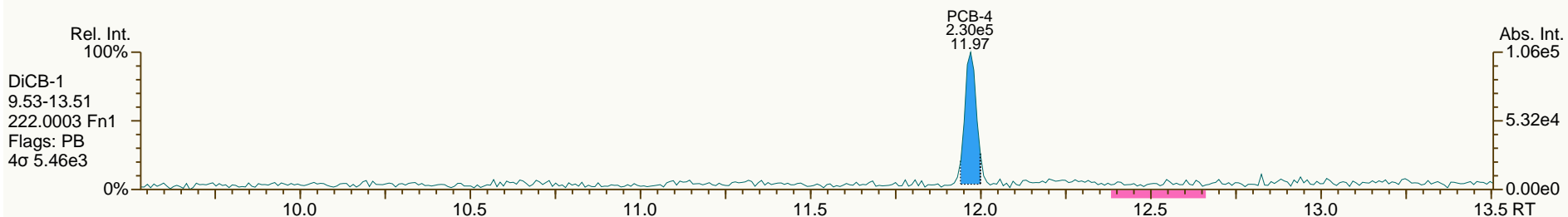
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

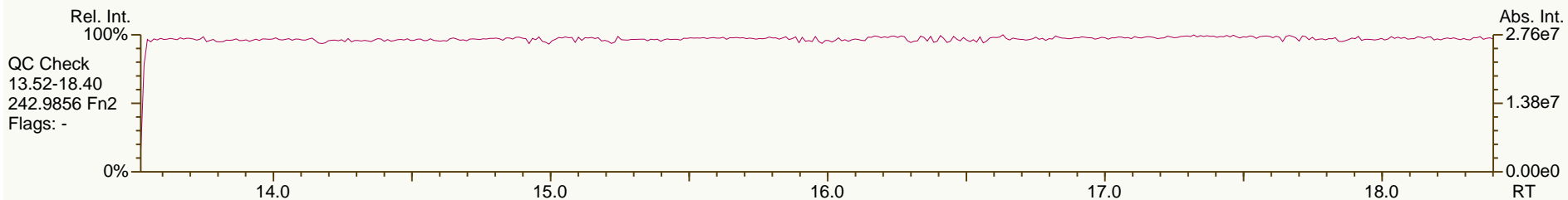
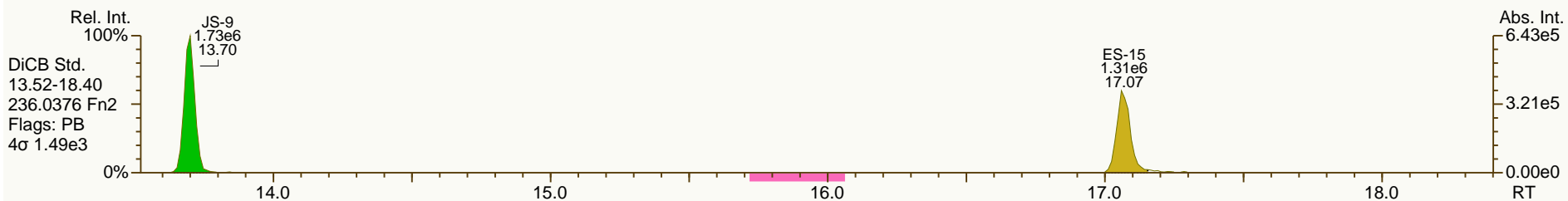
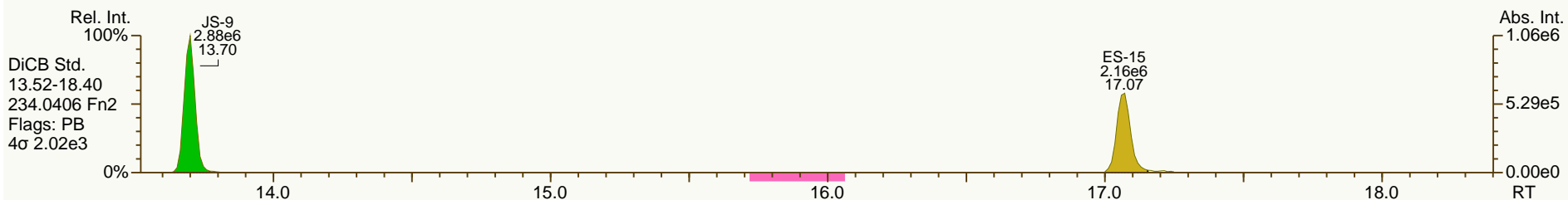
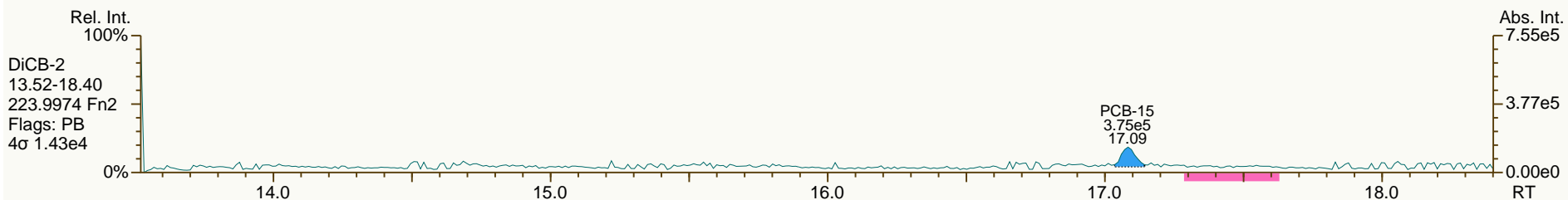
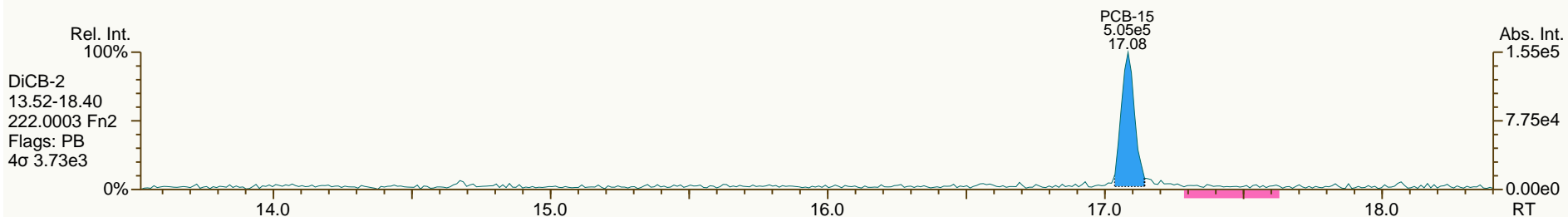
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

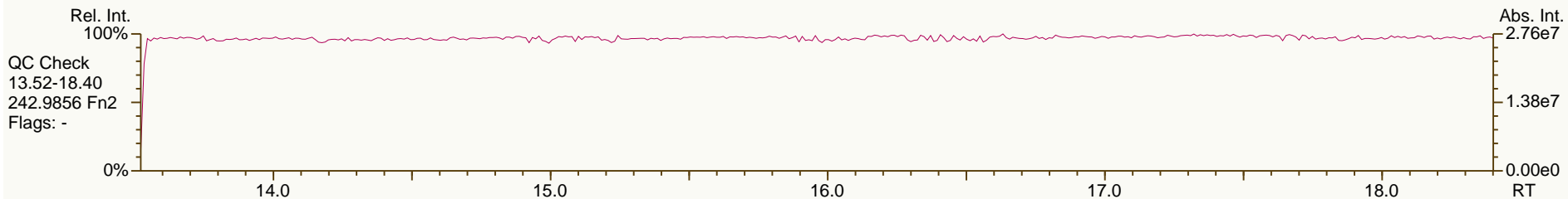
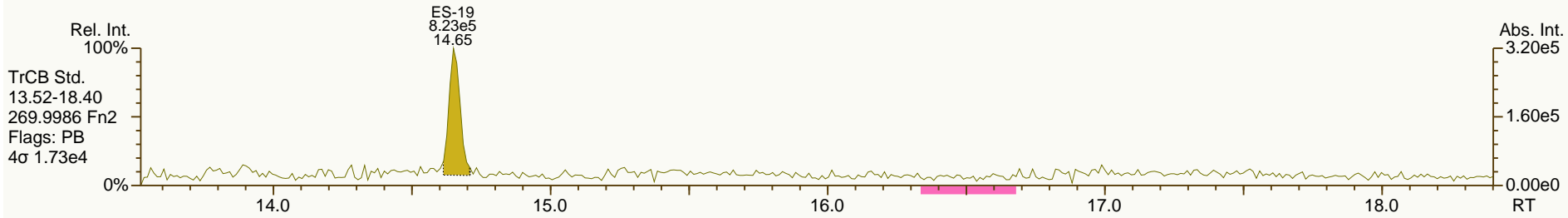
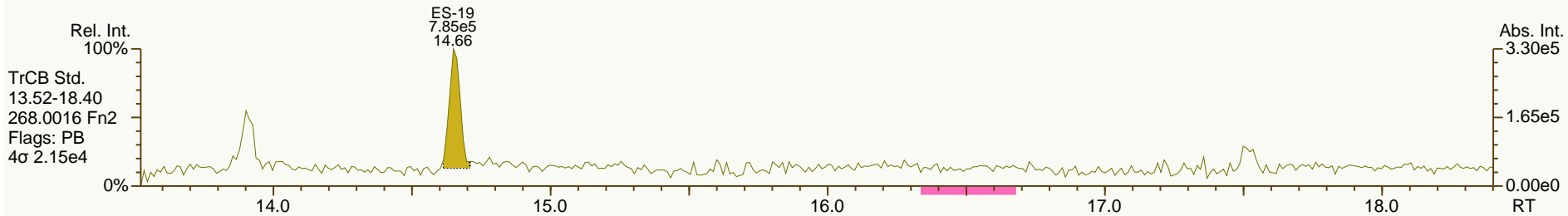
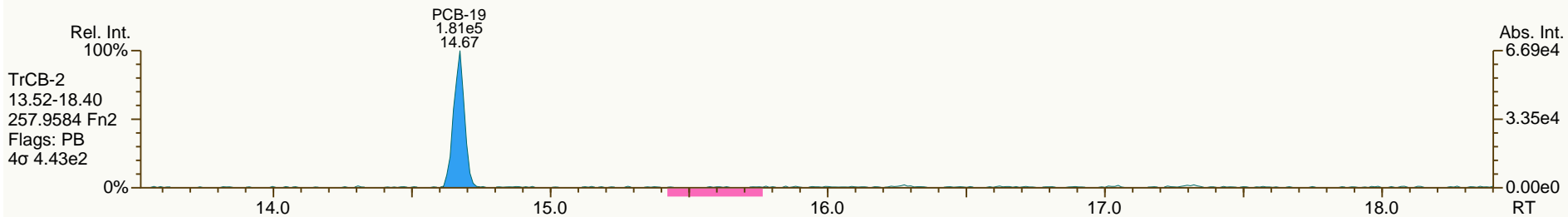
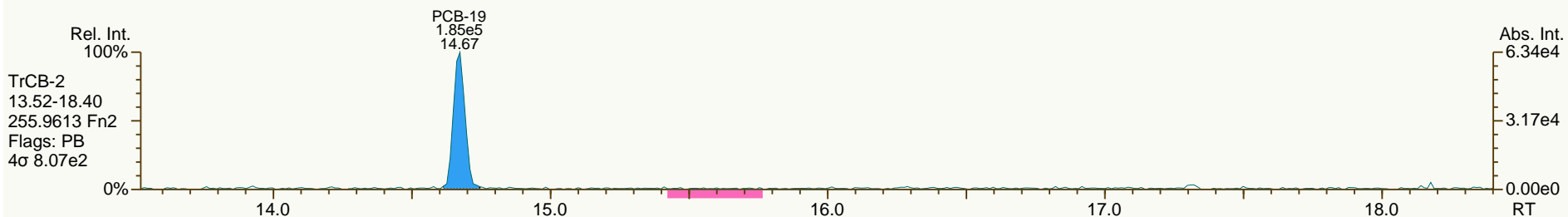
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

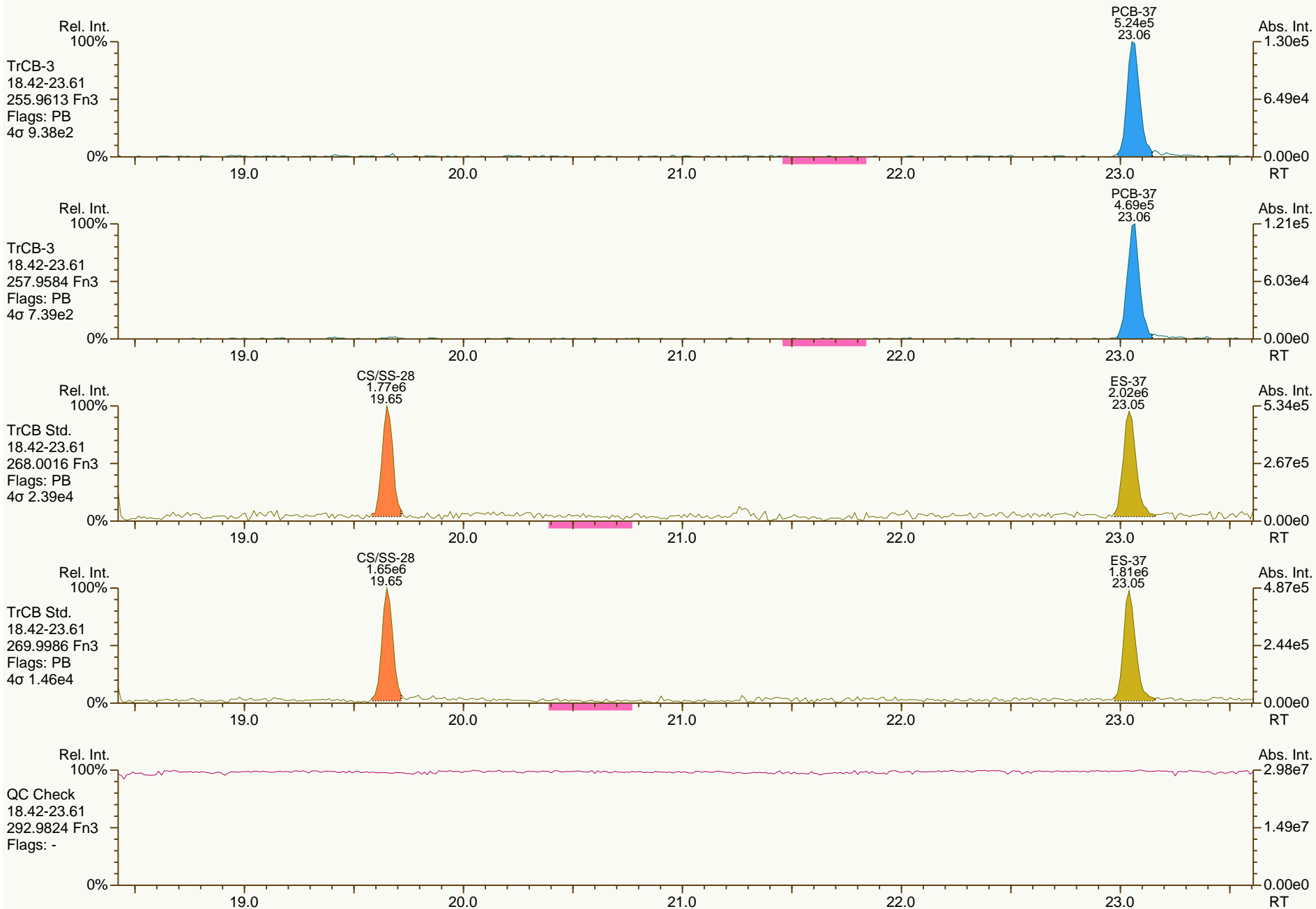
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

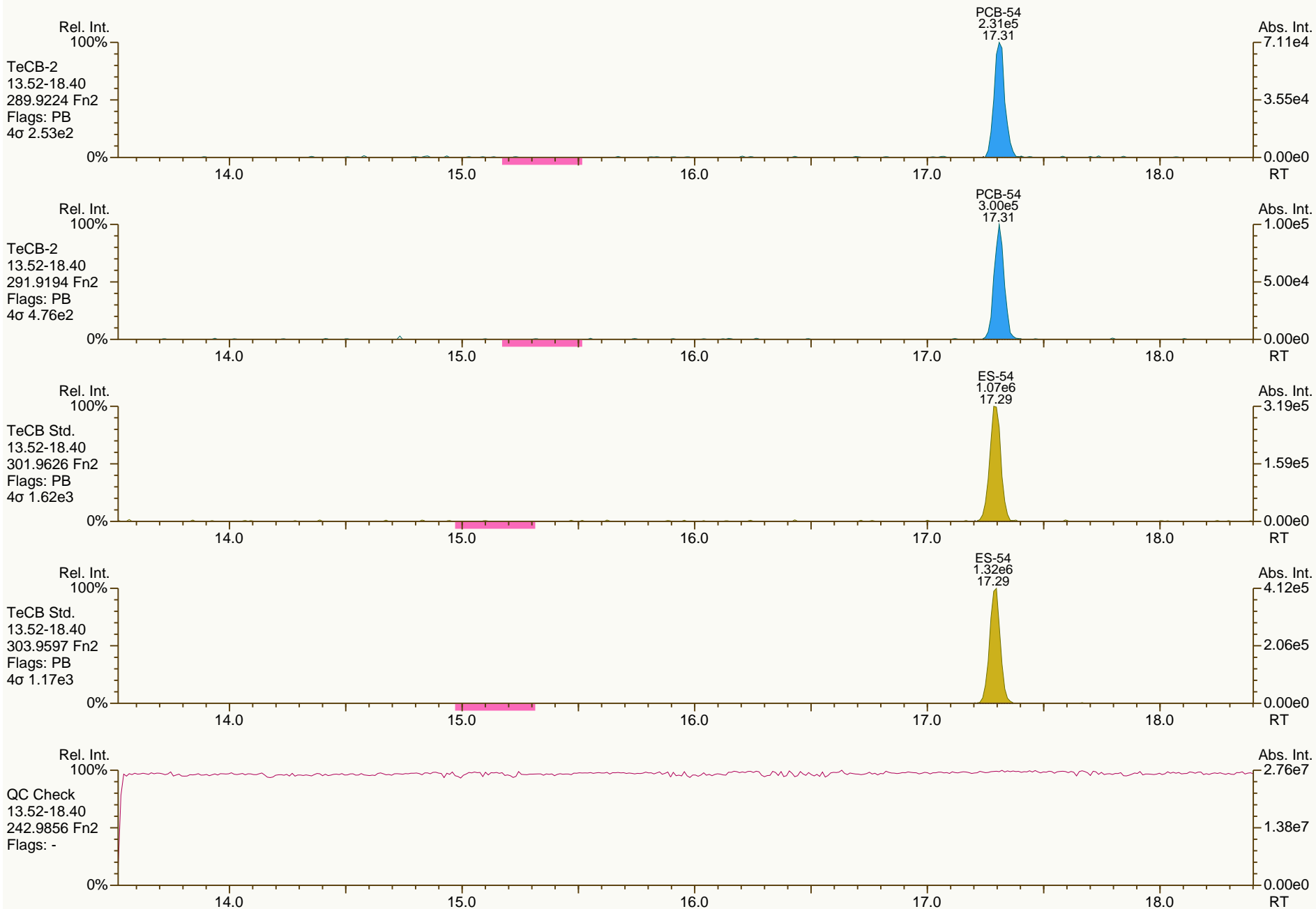
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

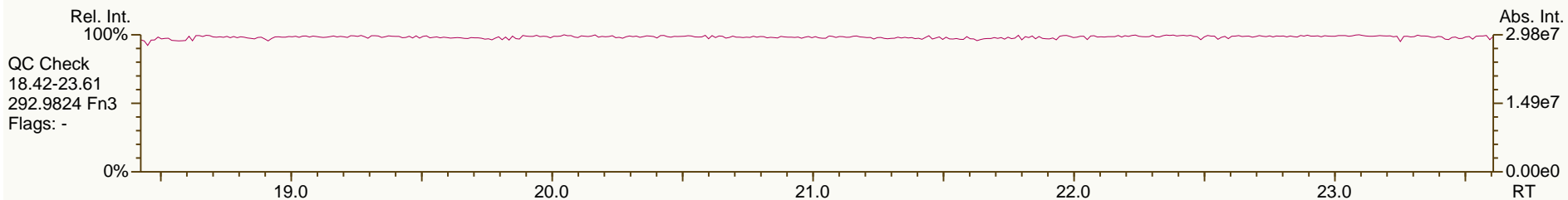
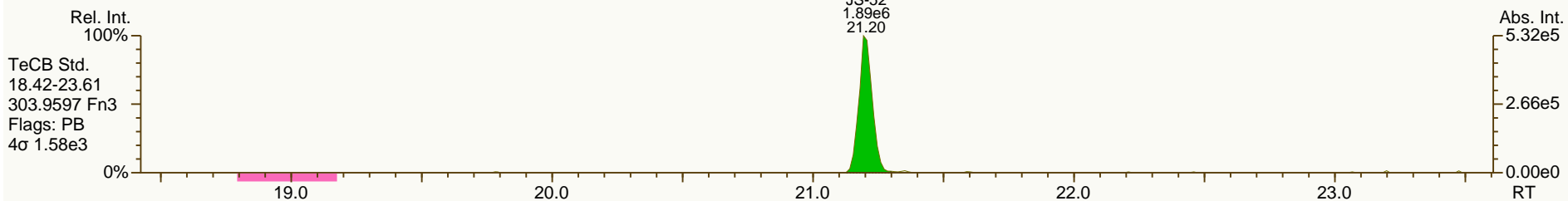
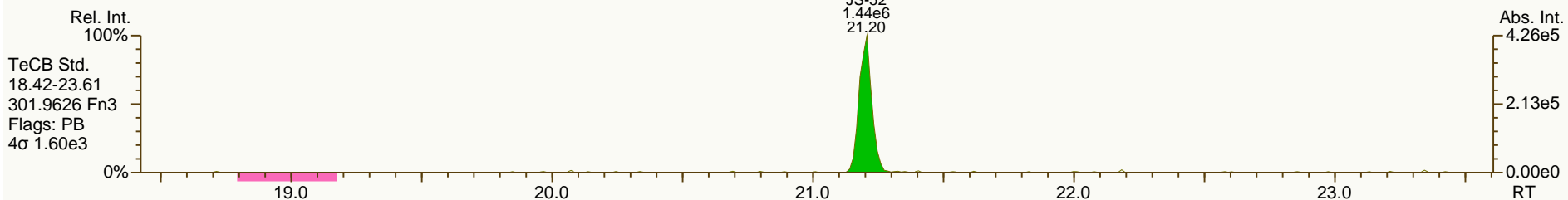
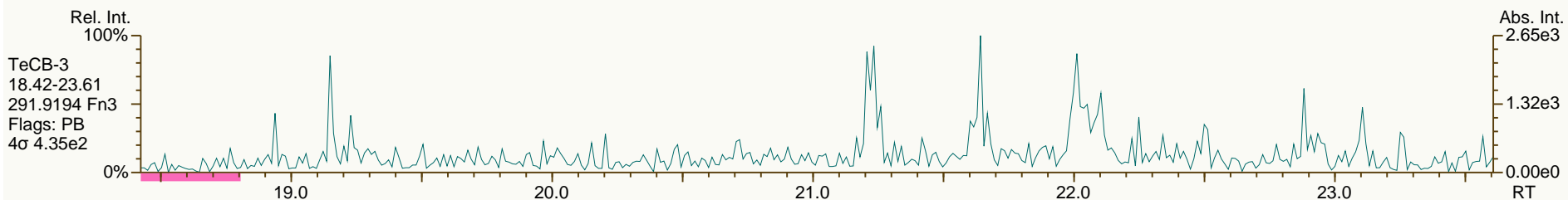
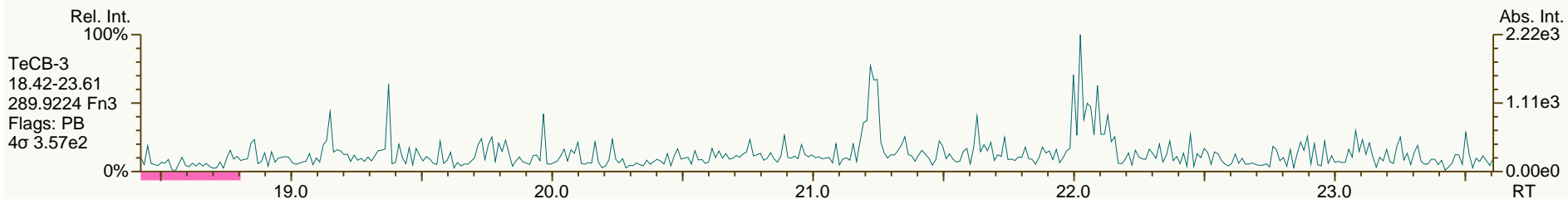
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

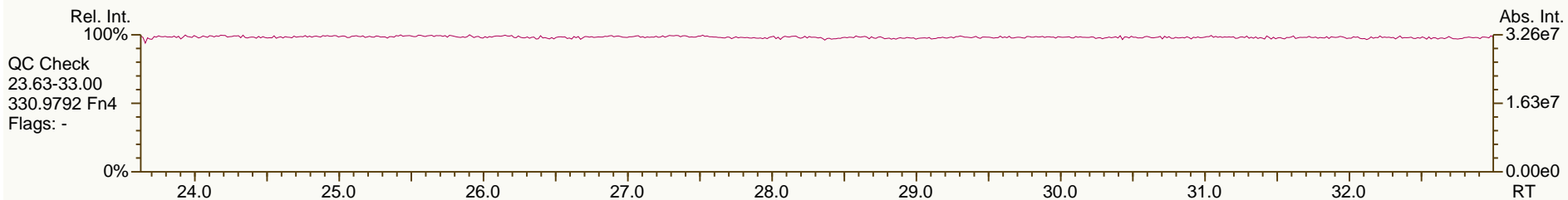
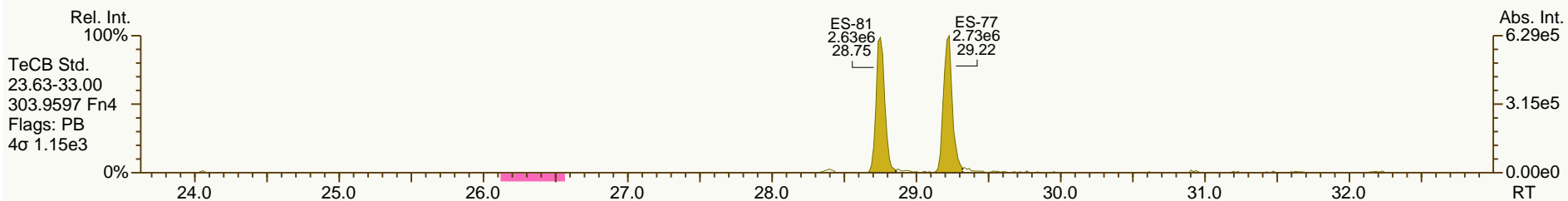
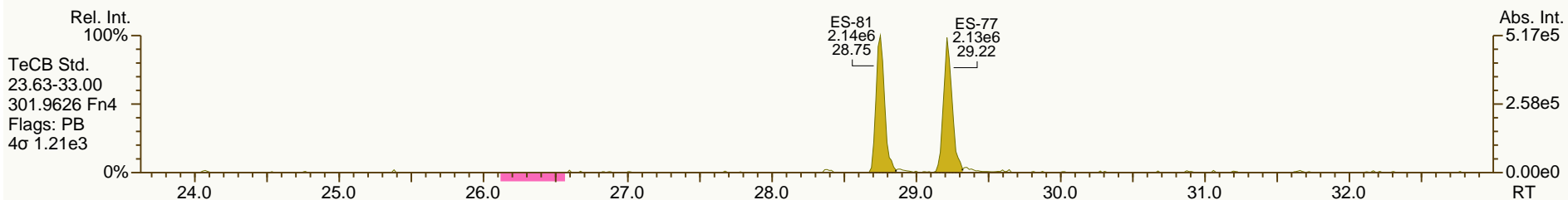
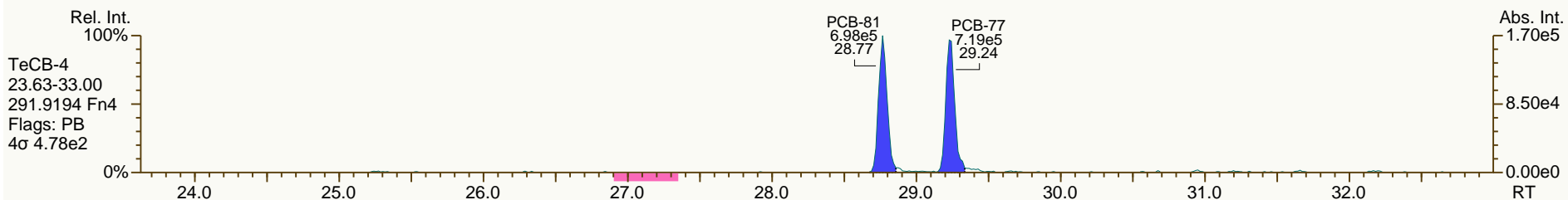
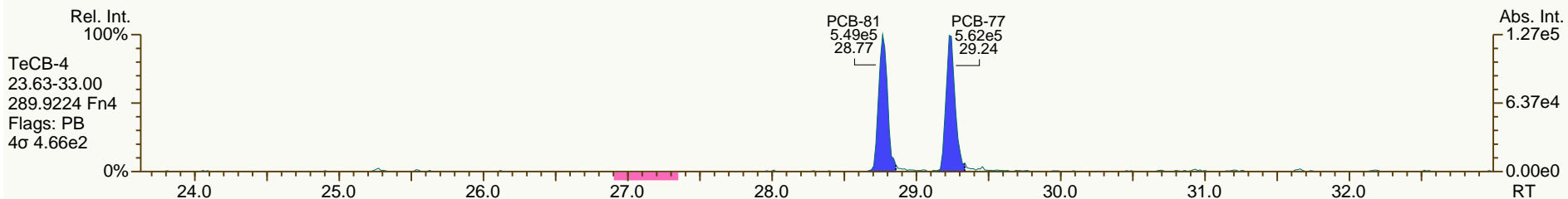
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

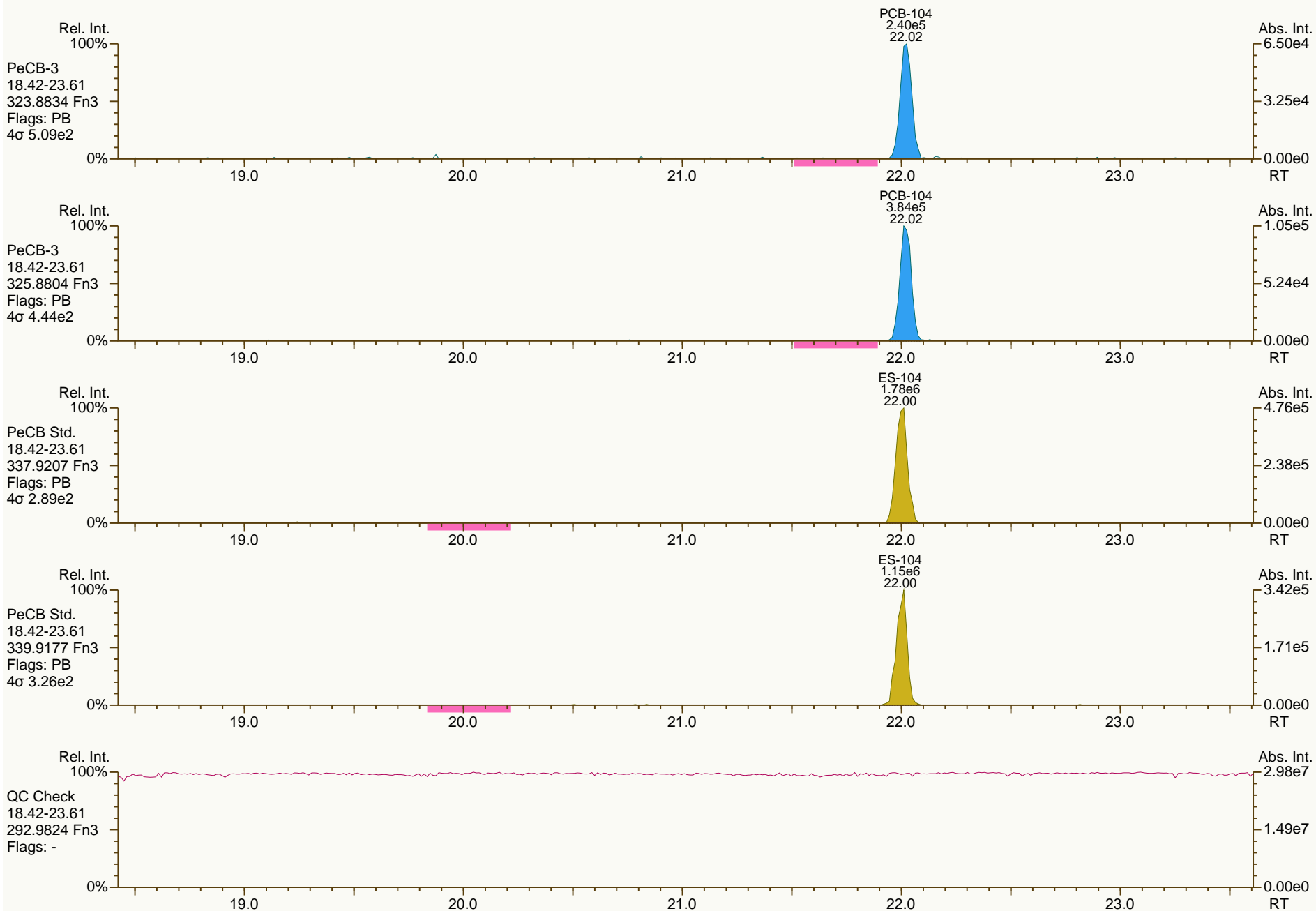
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

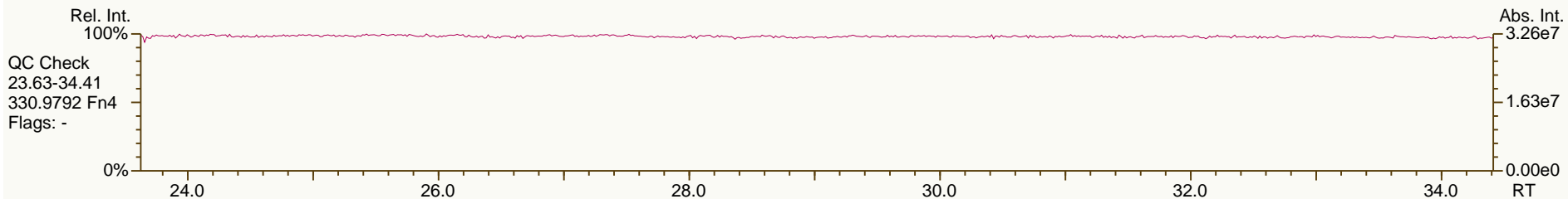
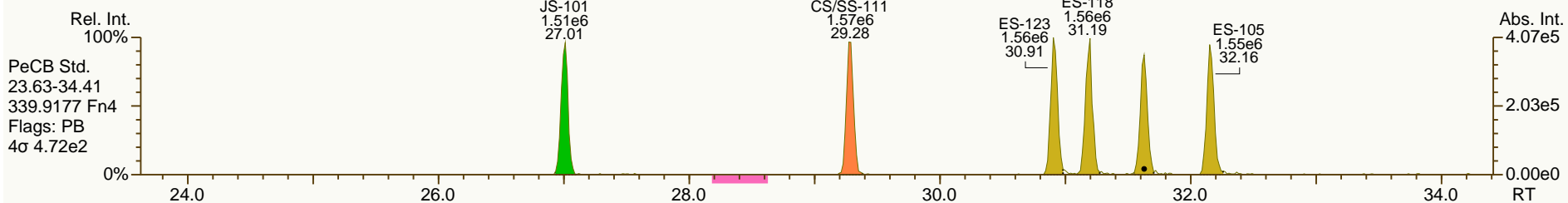
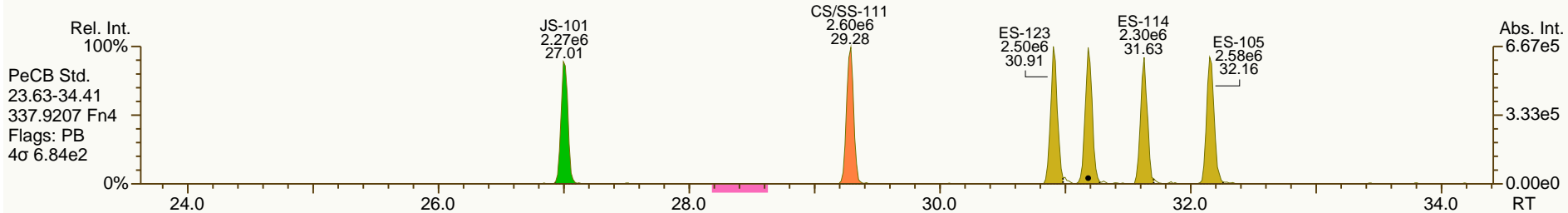
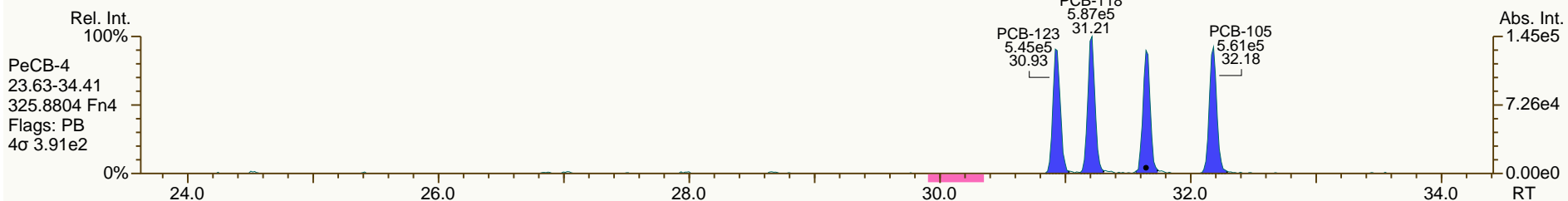
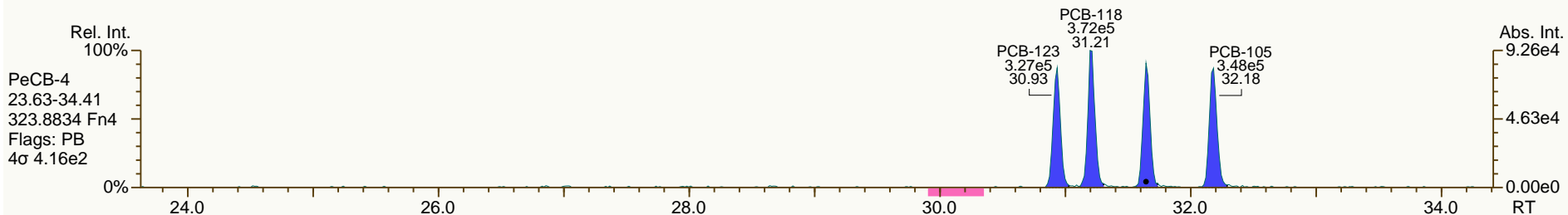
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

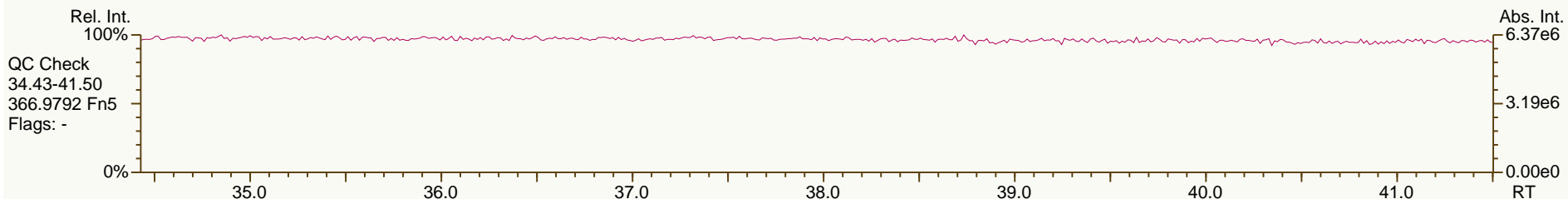
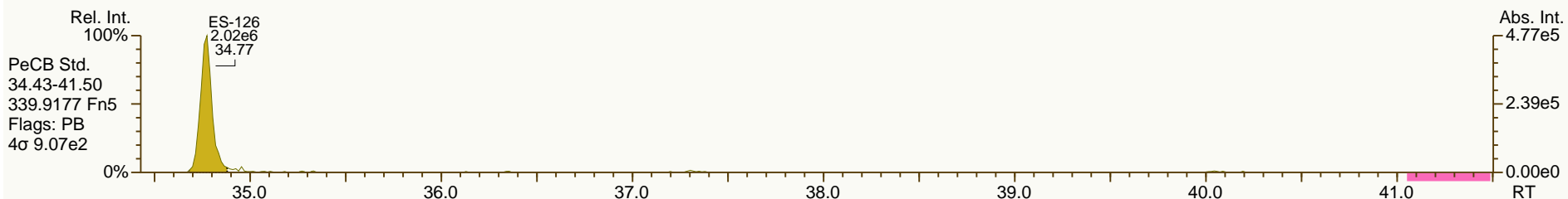
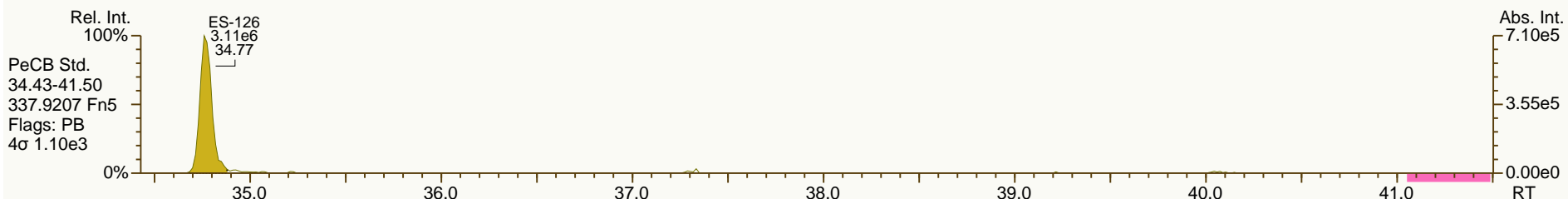
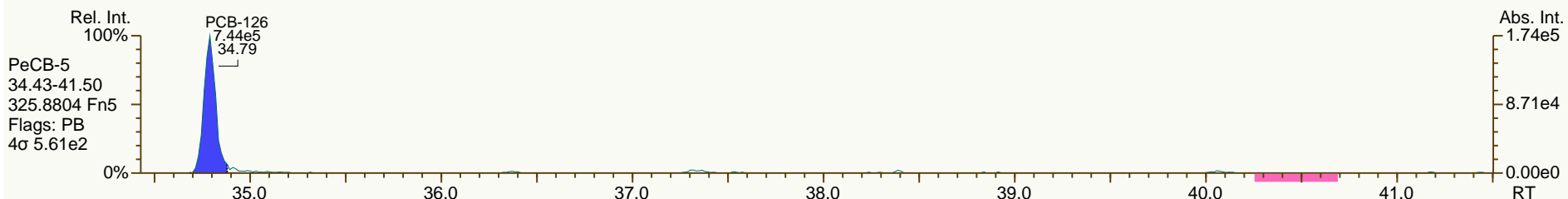
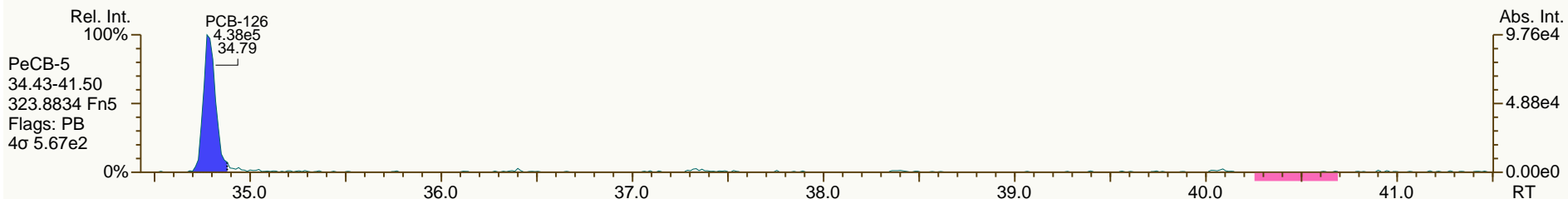
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

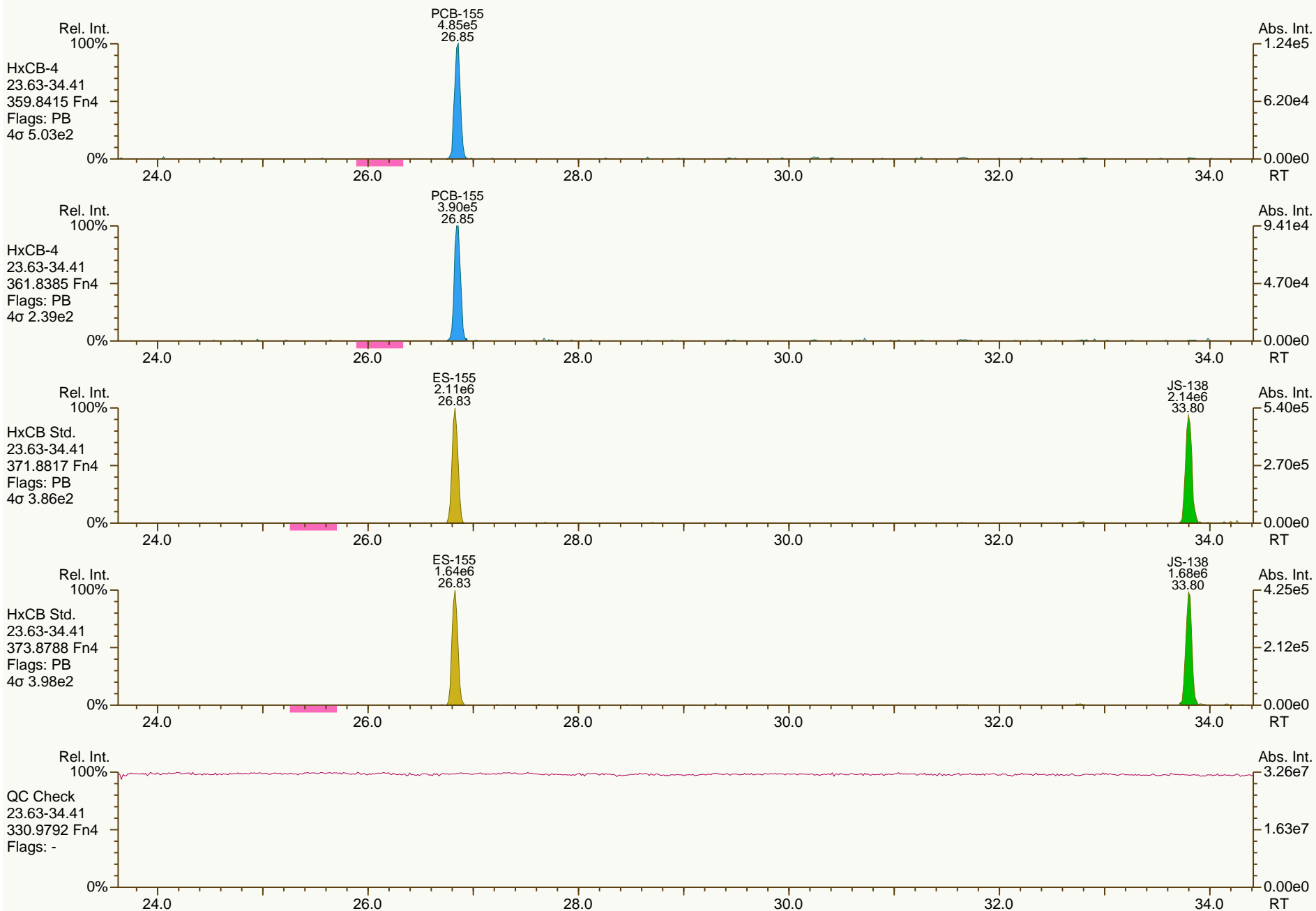
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

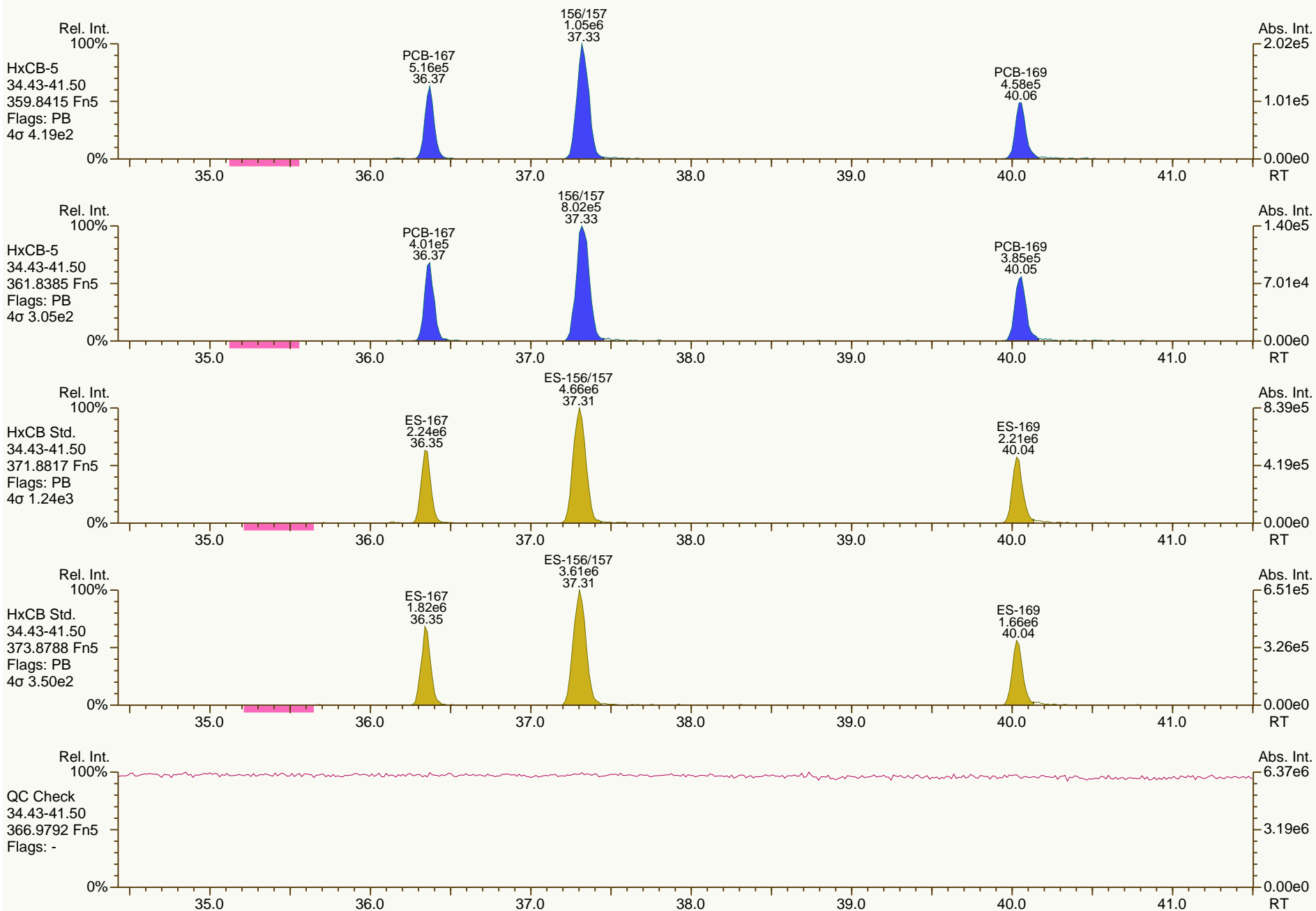
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

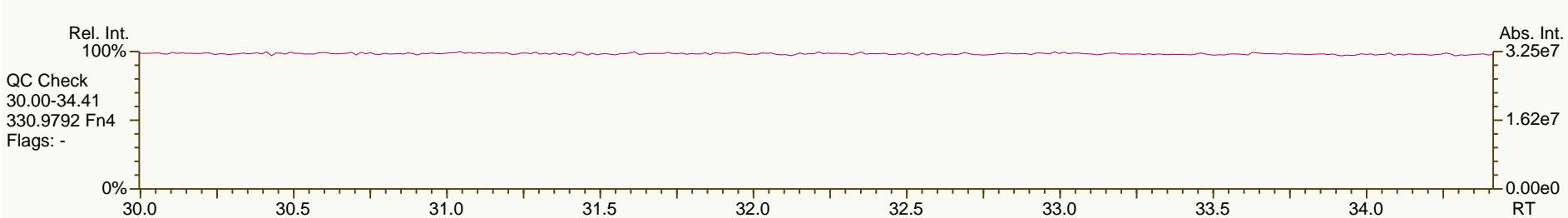
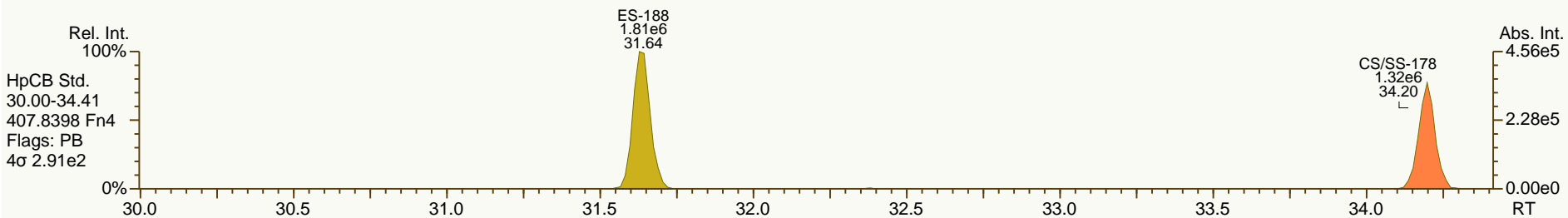
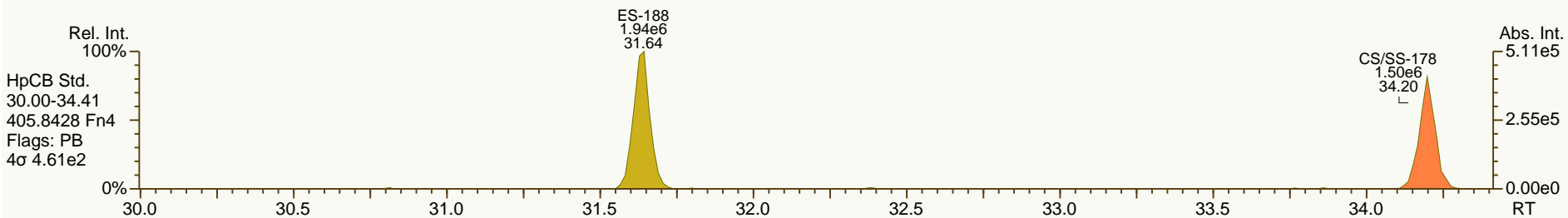
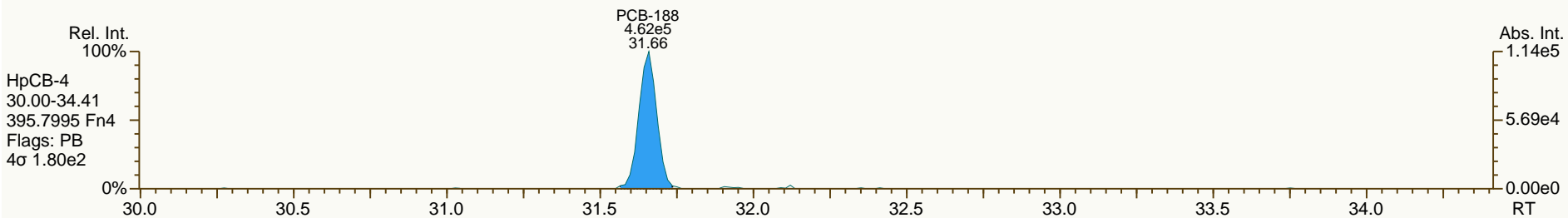
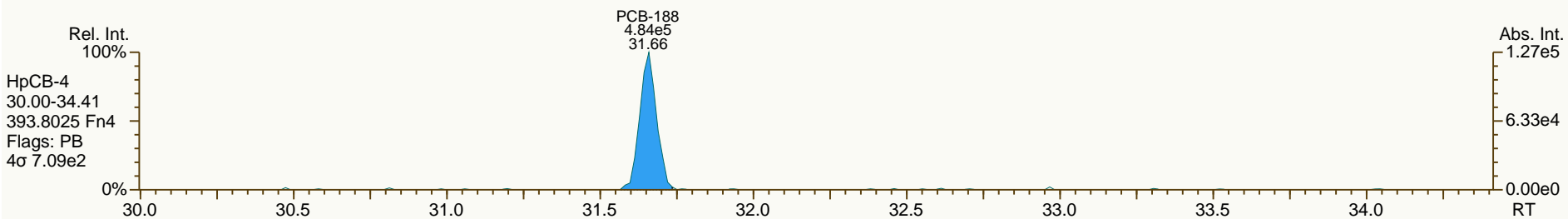
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

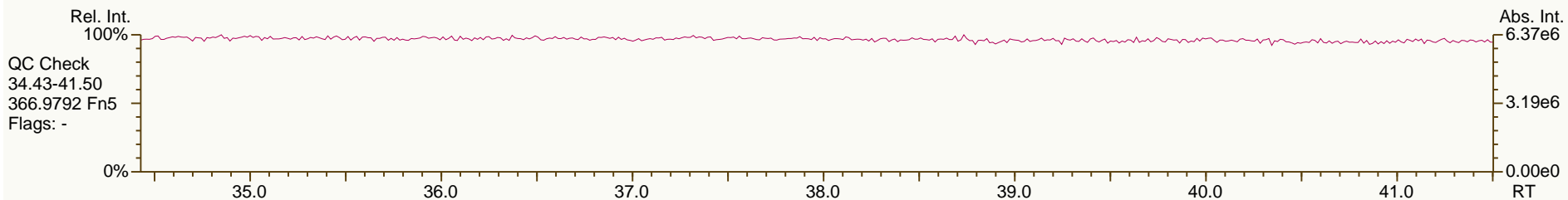
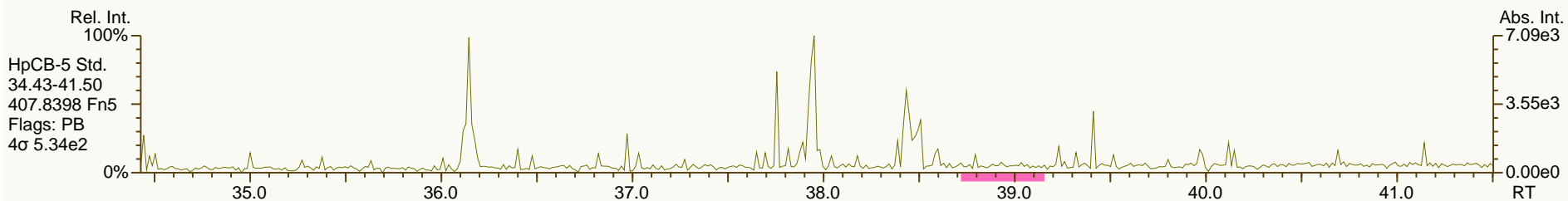
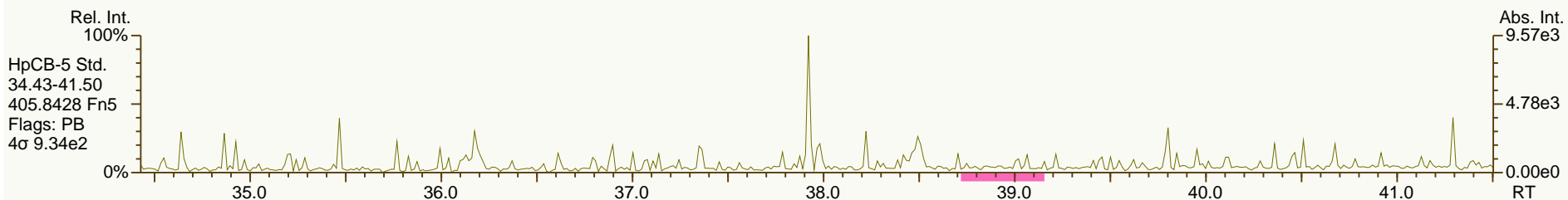
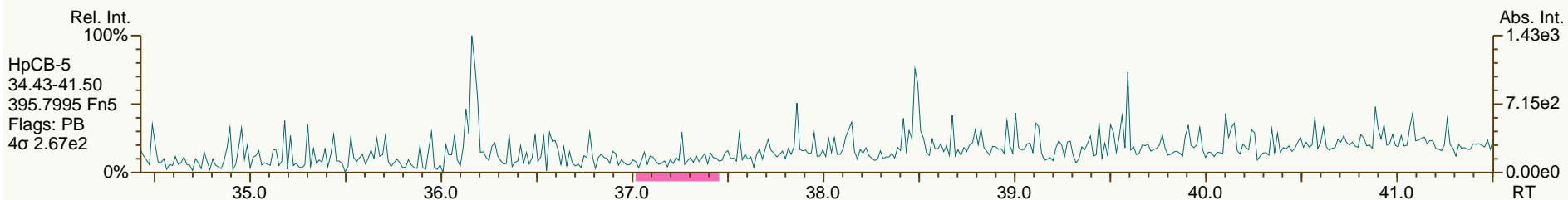
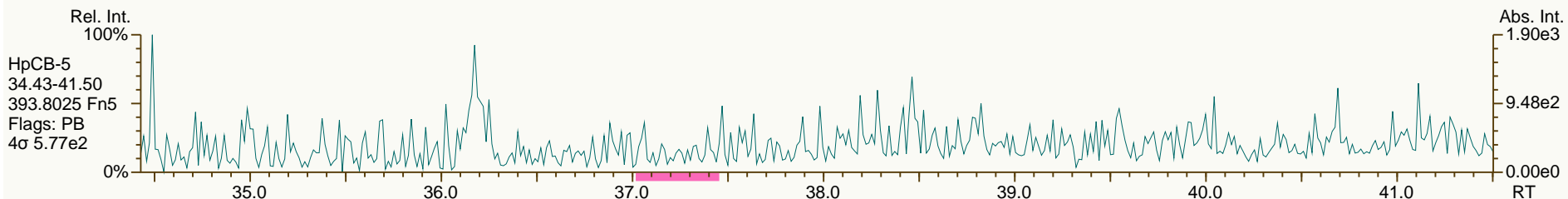
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

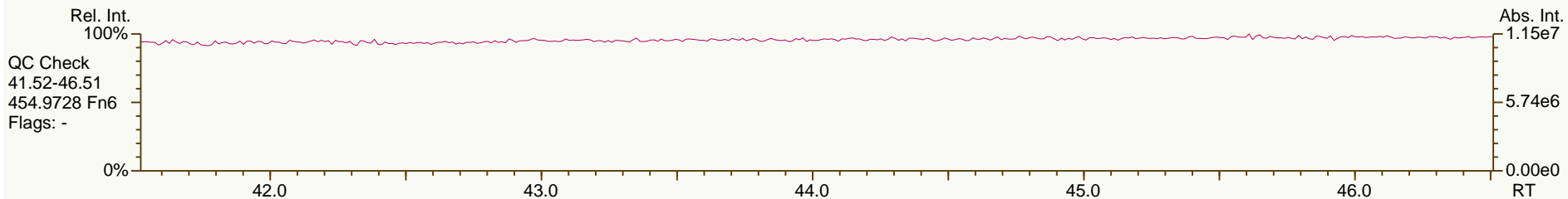
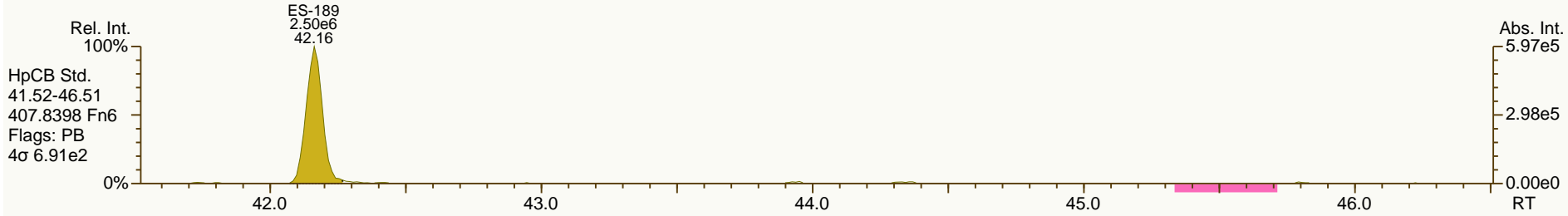
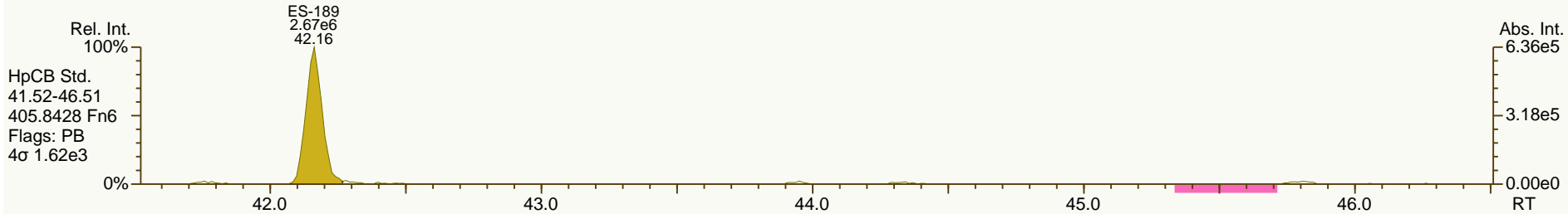
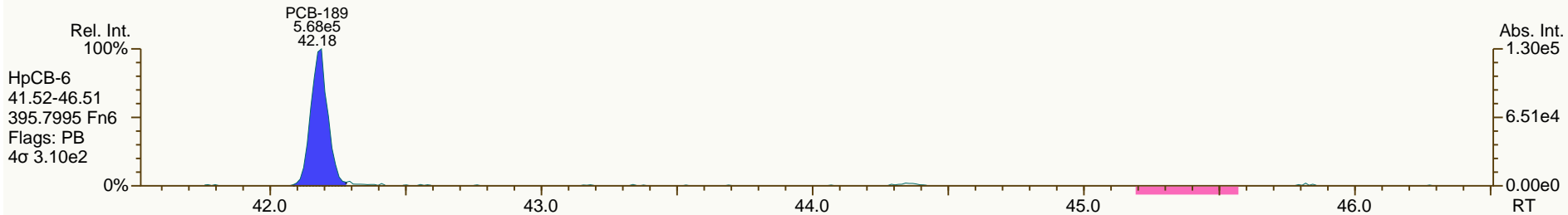
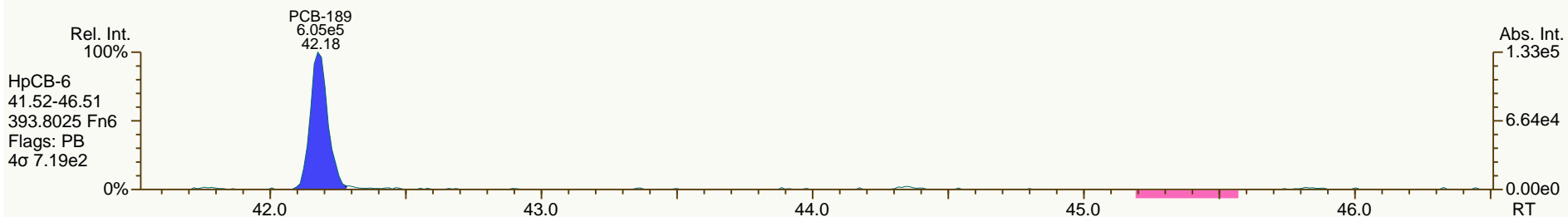
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

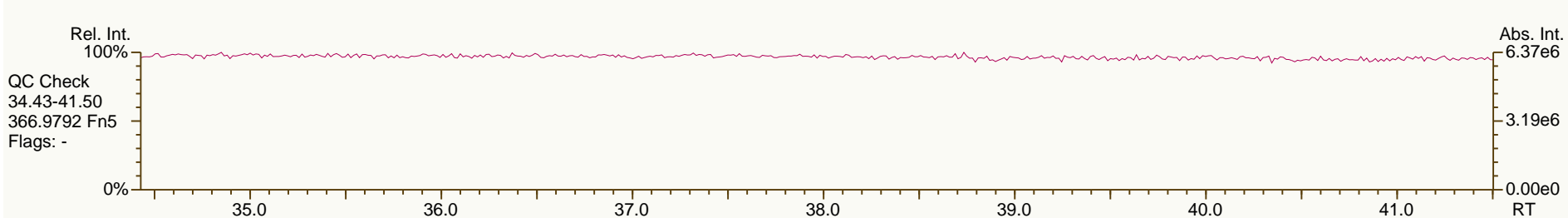
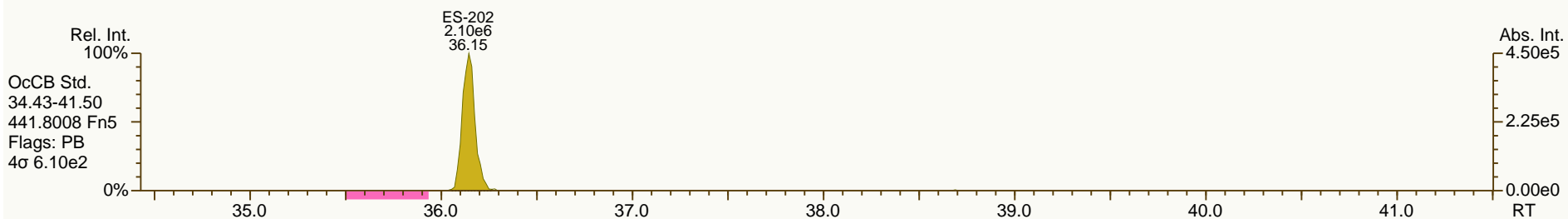
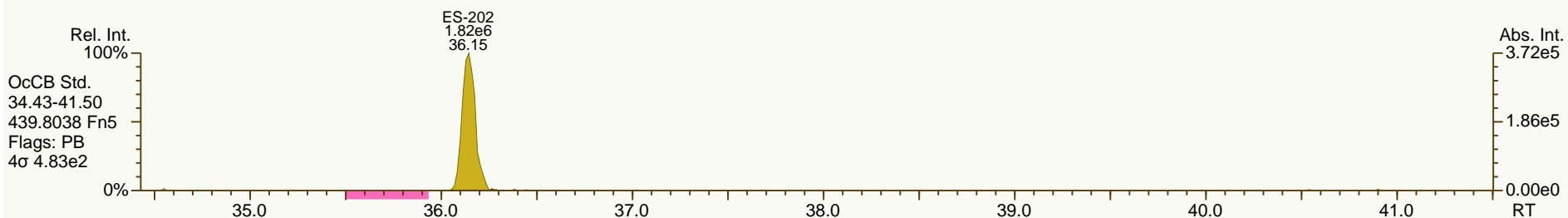
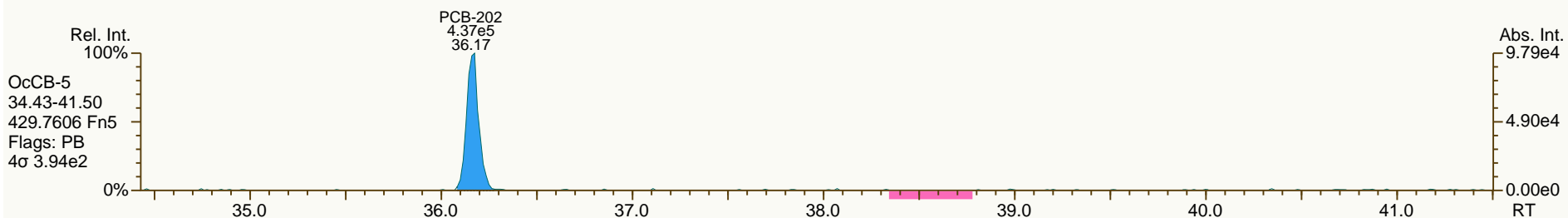
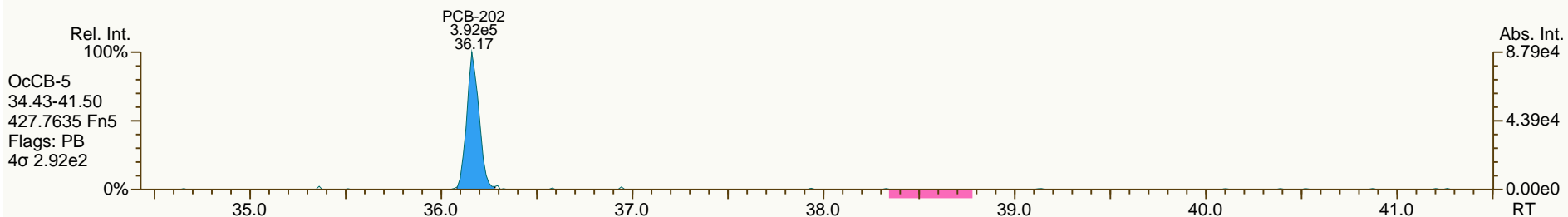
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

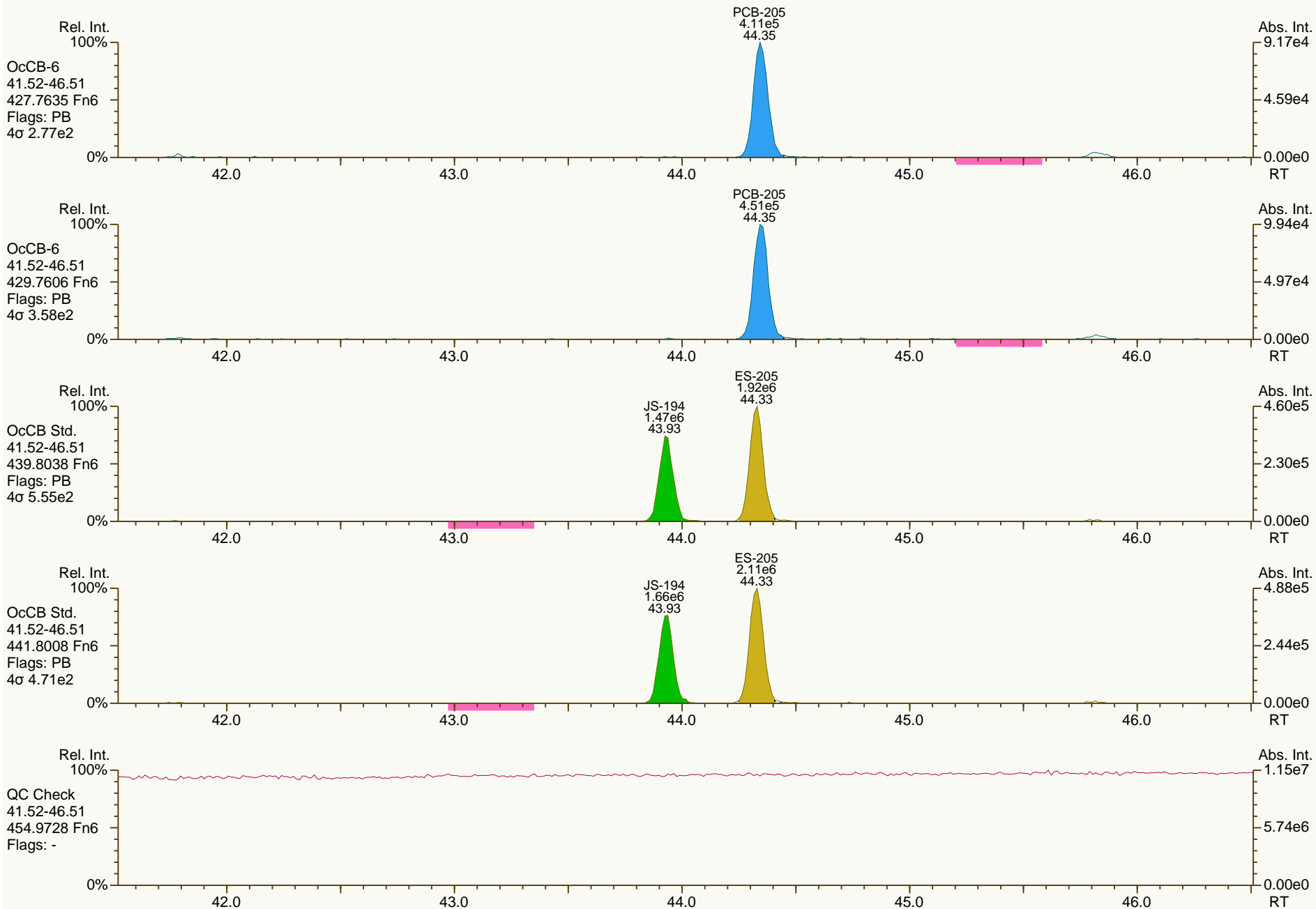
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

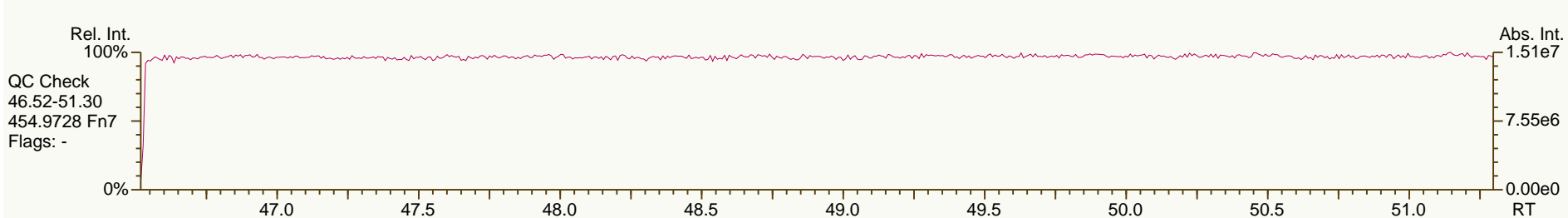
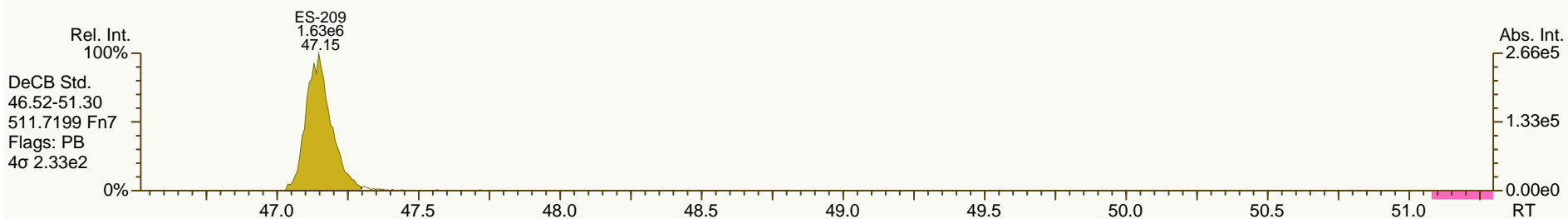
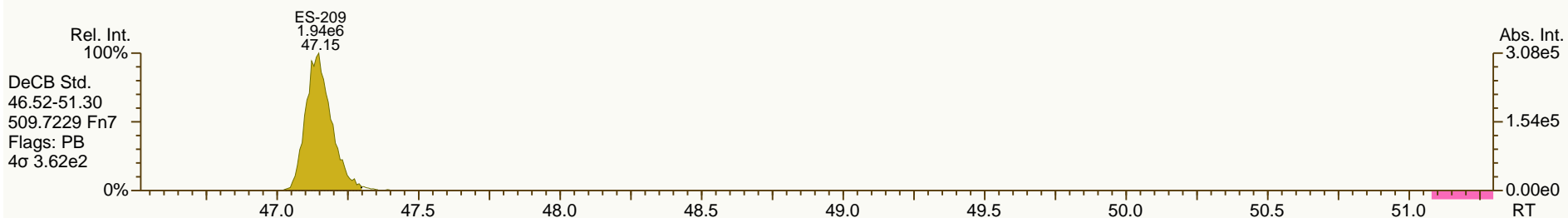
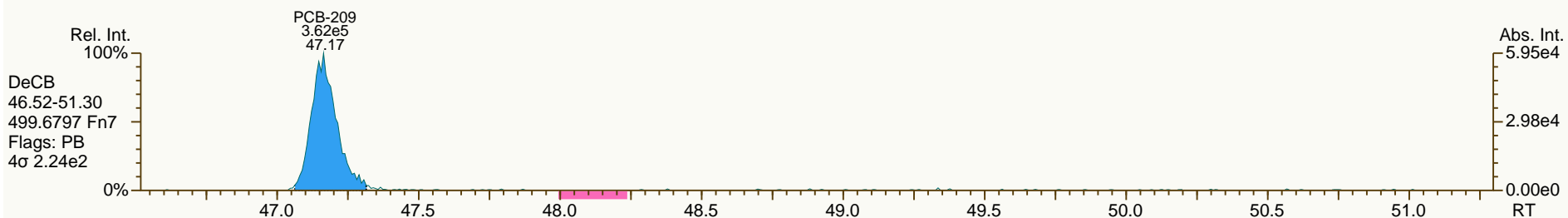
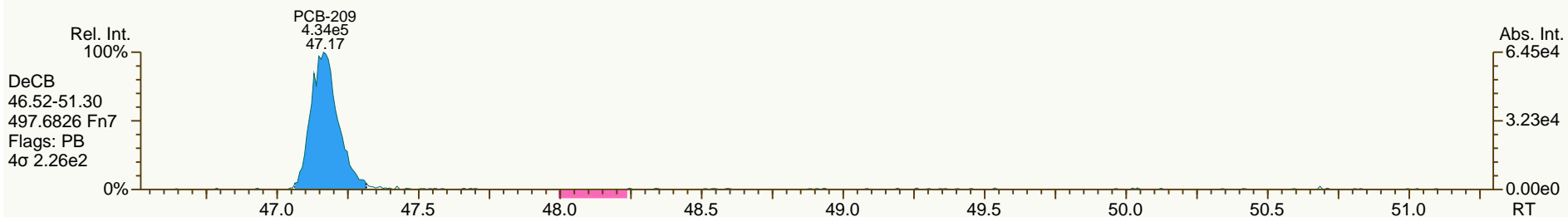
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

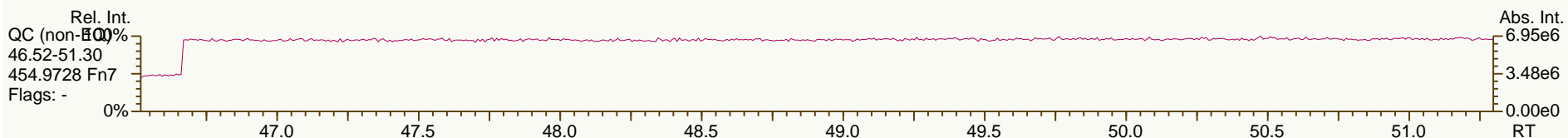
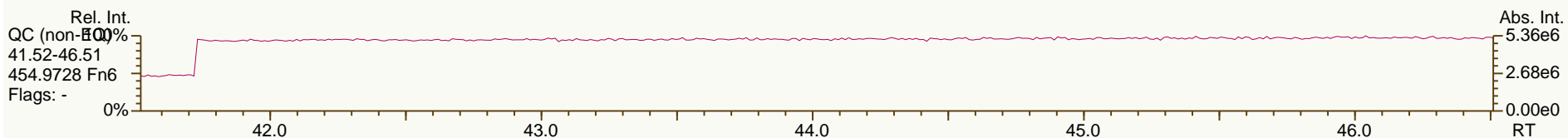
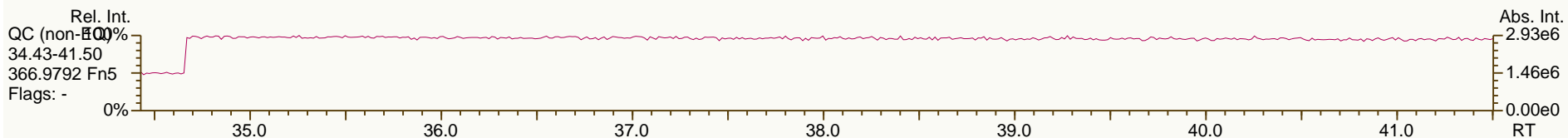
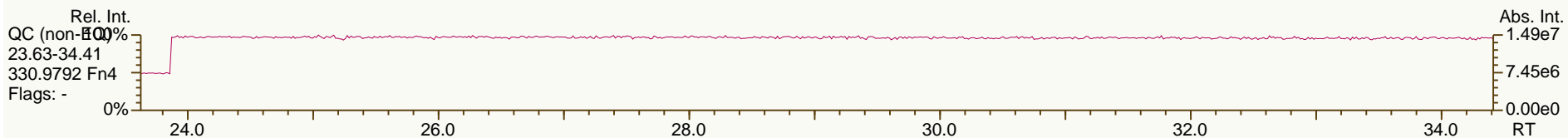
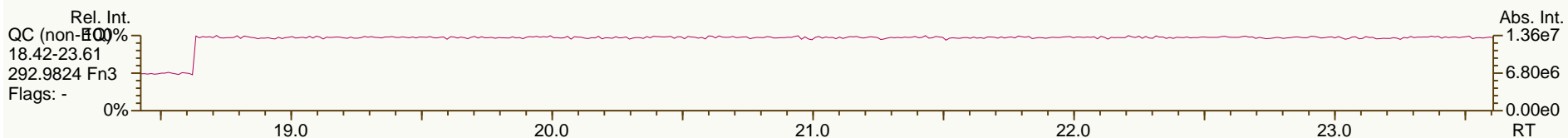
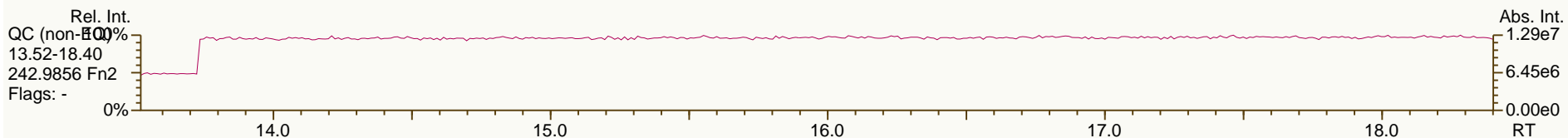
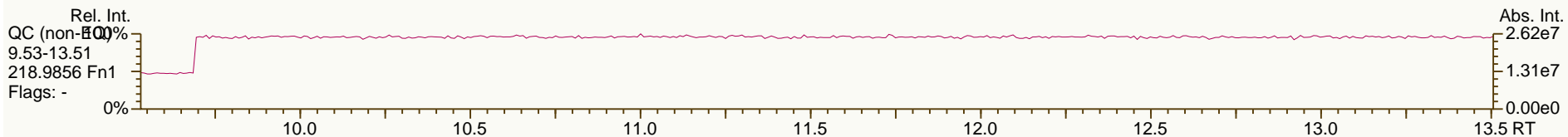
Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06



AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06





9 July 2012

Delaney Peterson
 Anchor QEA
 720 Olive Way, Suite 1900
 Seattle WA 98101

Ph.: 206-287-9130

Subject: Certificate of Results

Dear Delaney

Attached to this narrative are the analytical results you requested on the sample submitted for the determination of polychlorinated biphenyl congeners . The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project Name	Jeld_Wen Surface Sediments
AP Project #	A4369
Analytical Protocol	EPA 1668B
No. Samples Submitted	n/a
No. Samples Analyzed	5 Tissues (this project number)
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	05 11 2012, 5/18/2012
Condition Received	good
Temperature upon Receipt (C)	3.5, 6
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

**QC Annotations:**

1. See Appendix A & B for data qualifier, data attribute, and lab identifier information.

SGS-Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS-Analytical Perspectives welcome customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS-Analytical Perspectives.

Sincerely,

A handwritten signature in black ink that reads "Todd Vilen". The signature is written in a cursive style.

Todd Vilen
Project Scientist



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
*	The reported concentration exceeds the calibration range (upper point of the calibration curve). ¹
>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte is found in the method blank, at a level that is $\leq 10x$ the sample concentration.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), where there is a co-eluting interference, or where a single ion is utilized for quantitation due to PFK interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
Ra	The new ratio – [Ra] -- for 2,3,7,8-TCDD following the ³⁷ Cl ₄ -2,3,7,8-TCDD correction is shown between squared brackets in the DL column. ¹
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time



Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

Project ID: Jeld-Wen Surface Sediment

Sample Summary		SGS		ANALYTICAL PERSPECTIVES		1668B	
		Analyte	MB #73562	JW-UR-TISSUE-120508	JW-DR-TISSUE-120508	JW-RG-TISSUE-120508	JW-E10-TISSUE-120516
		Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g
PCB-77	(0.172)	1.92	[1.29]	1.32	2.36	1.38	
PCB-81	(0.172)	(0.175)	(0.329)	(0.176)	(0.308)	(0.276)	
PCB-105	0.409	17.1	15.9	10.2	40.5	16.4	
PCB-114	(0.205)	1.09	0.821	[0.704]	2.07	0.834	
PCB-118	1.20	42.3	39.5	26.2	98.8	41.2	
PCB-123	(0.259)	1.14	1.15	[0.606]	1.84	[1.21]	
PCB-126	(0.146)	(0.239)	(0.382)	(0.256)	(0.402)	(0.322)	
PCB-156/157	(0.215)	5.14	5.01	3.31	11.6	6.00	
PCB-167	(0.17)	2.59	2.38	1.71	5.42	2.87	
PCB-169	(0.183)	(0.144)	(0.324)	(0.209)	(0.479)	(0.292)	
PCB-189	(0.133)	(0.141)	(0.262)	(0.165)	0.628	(0.204)	
Total Mono-CBs	(0.258)	4.94	6.69	4.06	5.36	4.36	
Total Di-CBs	7.82	69.2	144	67.1	148	157	
Total Tri-CBs	2.50	72.2	58.5	43.7	204	1460	
Total Tetra-CBs	4.72	204	161	127	422	1600	
Total Penta-CBs	6.98	390	343	236	883	476	
Total Hexa-CBs	5.19	388	384	276	890	413	
Total Hepta-CBs	(0.233)	135	137	95.5	265	101	
Total Octa-CBs	(0.196)	26.1	25.5	23.0	71.5	17.0	
Total Nona-CBs	(0.243)	1.01	(0.404)	(0.331)	0.641	(0.389)	
PCB-209	(0.216)	(0.139)	(0.247)	(0.246)	(0.381)	(0.362)	
TEQs (WHO 2005 M/H)							
ND = 0; EMPC = 0	0.0000483	0.00227	0.00194	0.00138	0.00506	0.00216	
ND = 0; EMPC = EMPC	0.0000483	0.00227	0.00207	0.00142	0.00506	0.00219	
ND = DL/2; EMPC = 0	0.0101	0.0164	0.0259	0.0174	0.0324	0.0227	
ND = DL/2; EMPC = EMPC	0.0101	0.0164	0.0261	0.0174	0.0324	0.0227	
ND = DL; EMPC = 0	0.0202	0.0306	0.0500	0.0333	0.0597	0.0433	
ND = DL; EMPC = EMPC	0.0202	0.0306	0.0500	0.0334	0.0597	0.0433	

Checkcode

749-048-MGJ

869-474-PHP

012-099-BQG

181-066-NFQ

719-616-NVW

962-167-BHP

() = DL

[] = EMPC

Project ID: Jeld-Wen Surface Sediment

Analyte	MB #73562	JW-UR-TISSUE-120508	JW-DR-TISSUE-120508	JW-RG-TISSUE-120508	JW-E10-TISSUE-120516	JW-EA01-TISSUE-120516
	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g
PCB-77	(0.172)	320	[323]	264	472	275
PCB-81	(0.172)	(29.1)	(82.3)	(35.3)	(61.6)	(55.1)
PCB-105	0.409	2850	3970	2050	8110	3280
PCB-114	(0.205)	182	205	[141]	414	167
PCB-118	1.20	7060	9870	5240	19800	8240
PCB-123	(0.259)	190	289	[121]	367	[242]
PCB-126	(0.146)	(39.9)	(95.4)	(51.2)	(80.3)	(64.5)
PCB-156/157	(0.215)	856	1250	662	2320	1200
PCB-167	(0.17)	431	596	341	1080	574
PCB-169	(0.183)	(24)	(80.9)	(41.9)	(95.9)	(58.4)
PCB-189	(0.133)	(23.5)	(65.4)	(33.1)	126	(40.8)
Total Mono-CBs	(0.258)	823	1670	813	1070	872
Total Di-CBs	7.82	11500	35900	13400	29600	31400
Total Tri-CBs	2.50	12000	14600	8750	40800	292000
Total Tetra-CBs	4.72	33900	40200	25400	84400	319000
Total Penta-CBs	6.98	65000	85800	47300	177000	95100
Total Hexa-CBs	5.19	64700	96100	55300	178000	82500
Total Hepta-CBs	(0.233)	22400	34300	19100	53000	20300
Total Octa-CBs	(0.196)	4350	6370	4590	14300	3400
Total Nona-CBs	(0.243)	169	(101)	(66.2)	128	(77.8)
PCB-209	(0.216)	(23.2)	(61.9)	(49.2)	(76.2)	(72.4)
TEQs (WHO 2005 M/H)						
ND = 0; EMPC = 0	0.0000483	0.379	0.485	0.275	1.01	0.431
ND = 0; EMPC = EMPC	0.0000483	0.379	0.518	0.283	1.01	0.439
ND = DL/2; EMPC = 0	0.0101	2.74	6.49	3.47	6.48	4.54
ND = DL/2; EMPC = EMPC	0.0101	2.74	6.51	3.48	6.48	4.55
ND = DL; EMPC = 0	0.0202	5.10	12.5	6.67	11.9	8.65
ND = DL; EMPC = EMPC	0.0202	5.10	12.5	6.67	11.9	8.66

Checkcode

749-048-MGJ

869-474-PHP

012-099-BQG

181-066-NFQ


719-616-NVW

962-167-BHP

() = DL

[] = EMPC

Project ID: Jeld-Wen Surface Sediment

PCB Recoveries				1668B		
Standard	MB #73562	JW-UR-TISSUE-120508	JW-DR-TISSUE-120508	JW-RG-TISSUE-120508	JW-E10-TISSUE-120516	JW-EA01-TISSUE-120516
ES PCB-1	48.0	60.3	56.5	57.2	56.2	57.3
ES PCB-3	46.4	62.2	56.9	56.8	55.2	53.6
ES PCB-4	42.5	56.4	52.4	52.3	51.7	51.0
ES PCB-15	50.5	69.9	64.8	63.5	61.8	58.0
ES PCB-19	49.3	66.9	61.8	62.2	59.9	57.2
ES PCB-37	69.9	89.4	86.5	80.3	81.4	80.8
ES PCB-54	49.7	66.1	64.2	62.5	61.5	57.5
ES PCB-77	92.9	105	103	96.4	102	93.5
ES PCB-81	90.3	107	108	101	107	99.0
ES PCB-104	42.9	57.9	55.9	57.2	57.9	53.7
ES PCB-105	81.9	86.3	86.8	87.3	91.1	83.2
ES PCB-114	75.1	82.1	86.6	86.1	85.8	80.8
ES PCB-118	74.0	85.2	87.5	85.8	92.6	84.1
ES PCB-123	67.4	74.6	77.7	77.5	81.9	74.6
ES PCB-126	85.3	90.5	92.7	86.9	89.0	82.3
ES PCB-155	62.8	84.0	83.2	80.1	83.7	73.9
ES PCB-156/157	92.9	106	94.8	103	105	92.1
ES PCB-167	92.2	104	105	101	103	90.6
ES PCB-169	87.3	92.6	95.3	89.1	91.5	74.3
ES PCB-188	61.6	72.0	75.3	70.9	73.0	65.0
ES PCB-189	85.5	96.9	97.0	94.7	98.3	89.7
ES PCB-202	77.3	85.4	88.3	83.6	86.3	73.9
ES PCB-205	88.8	91.1	93.3	91.0	93.5	84.0
ES PCB-206	88.3	84.2	76.2	82.6	87.8	82.3
ES PCB-208	85.9	92.4	92.9	90.8	93.0	83.9
ES PCB-209	83.6	81.6	80.1	81.6	81.6	73.4

Checkcode

749-048-MGJ

869-474-PHP

012-099-BQG

181-066-NFQ

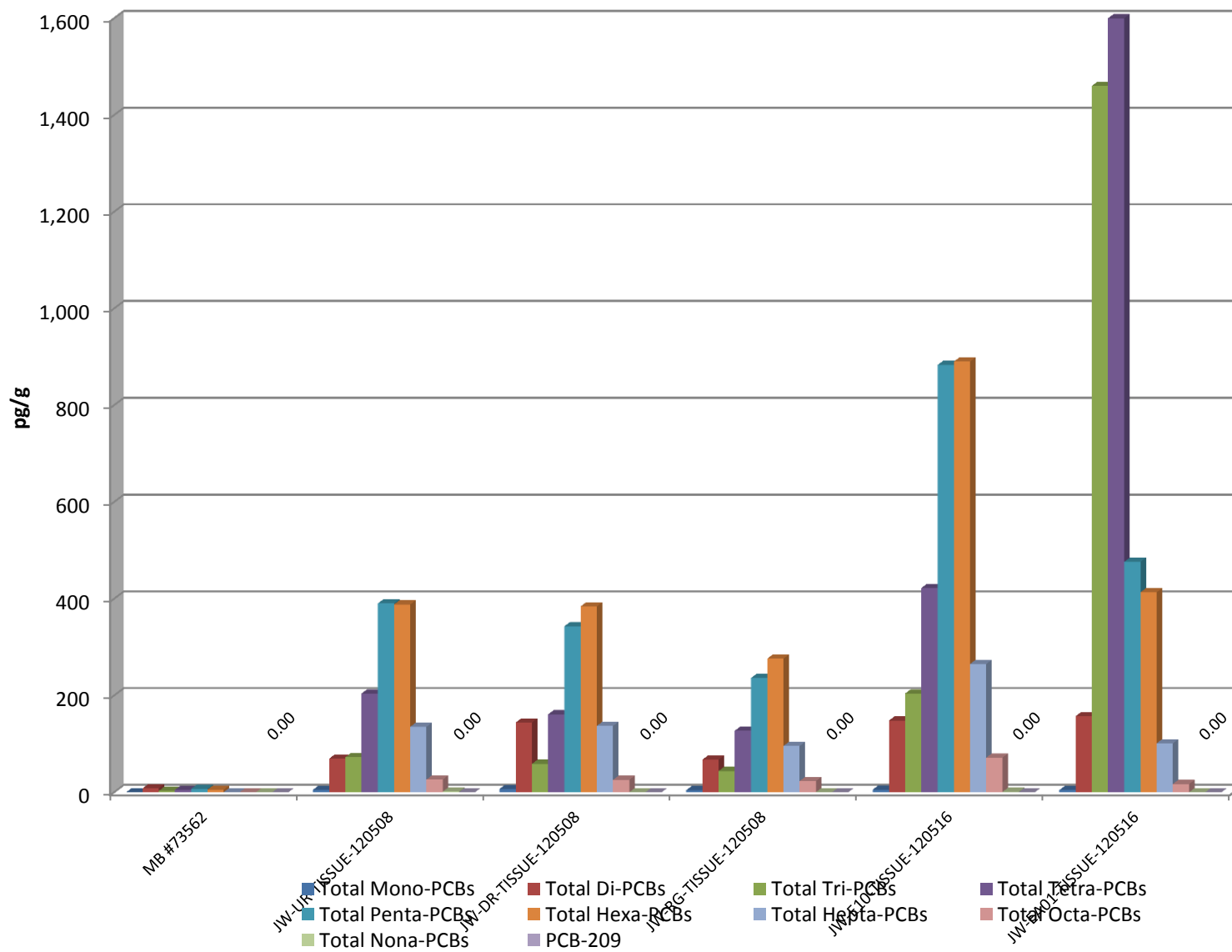
719-616-NVW

962-167-BHP

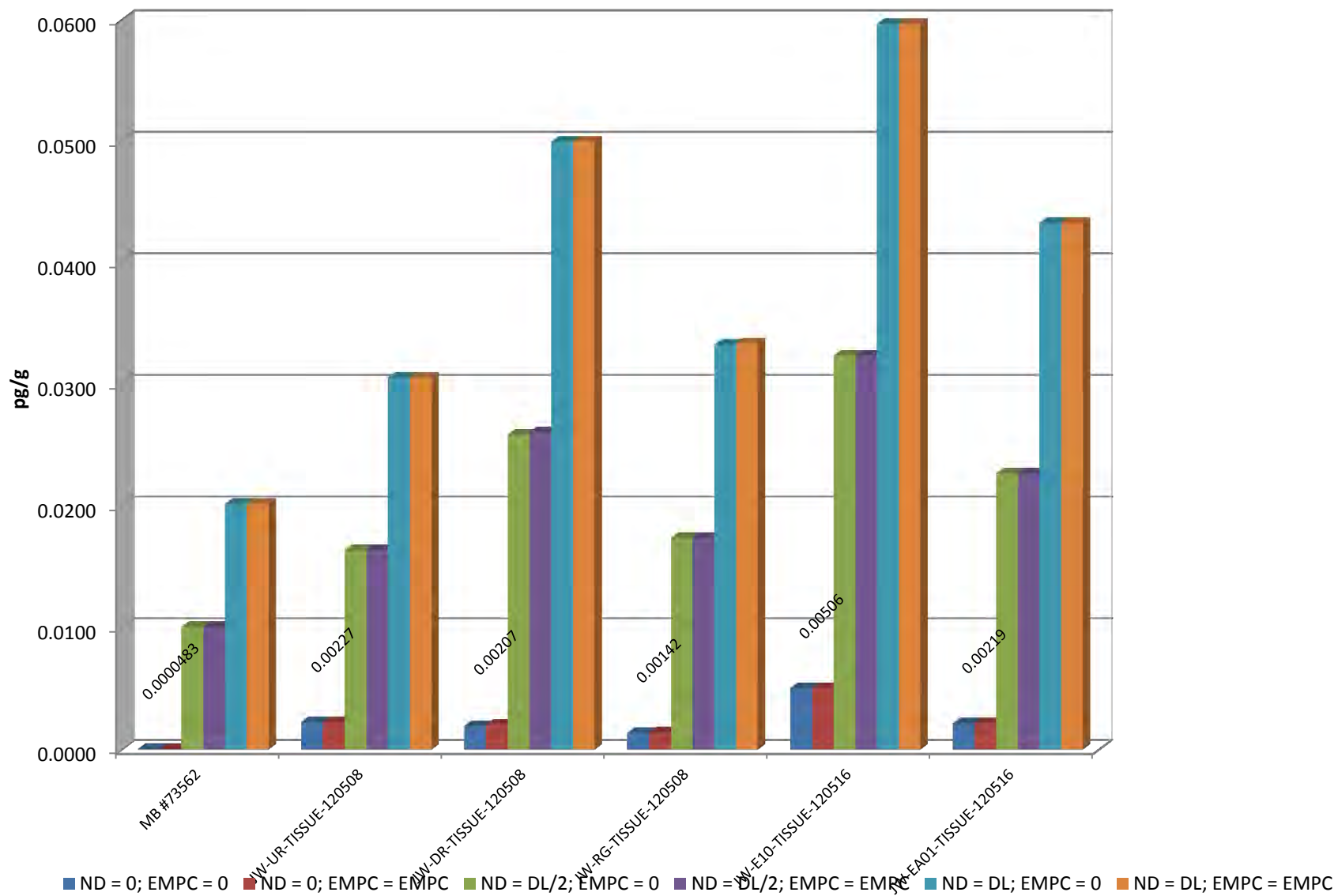
() = DL

[] = EMPC

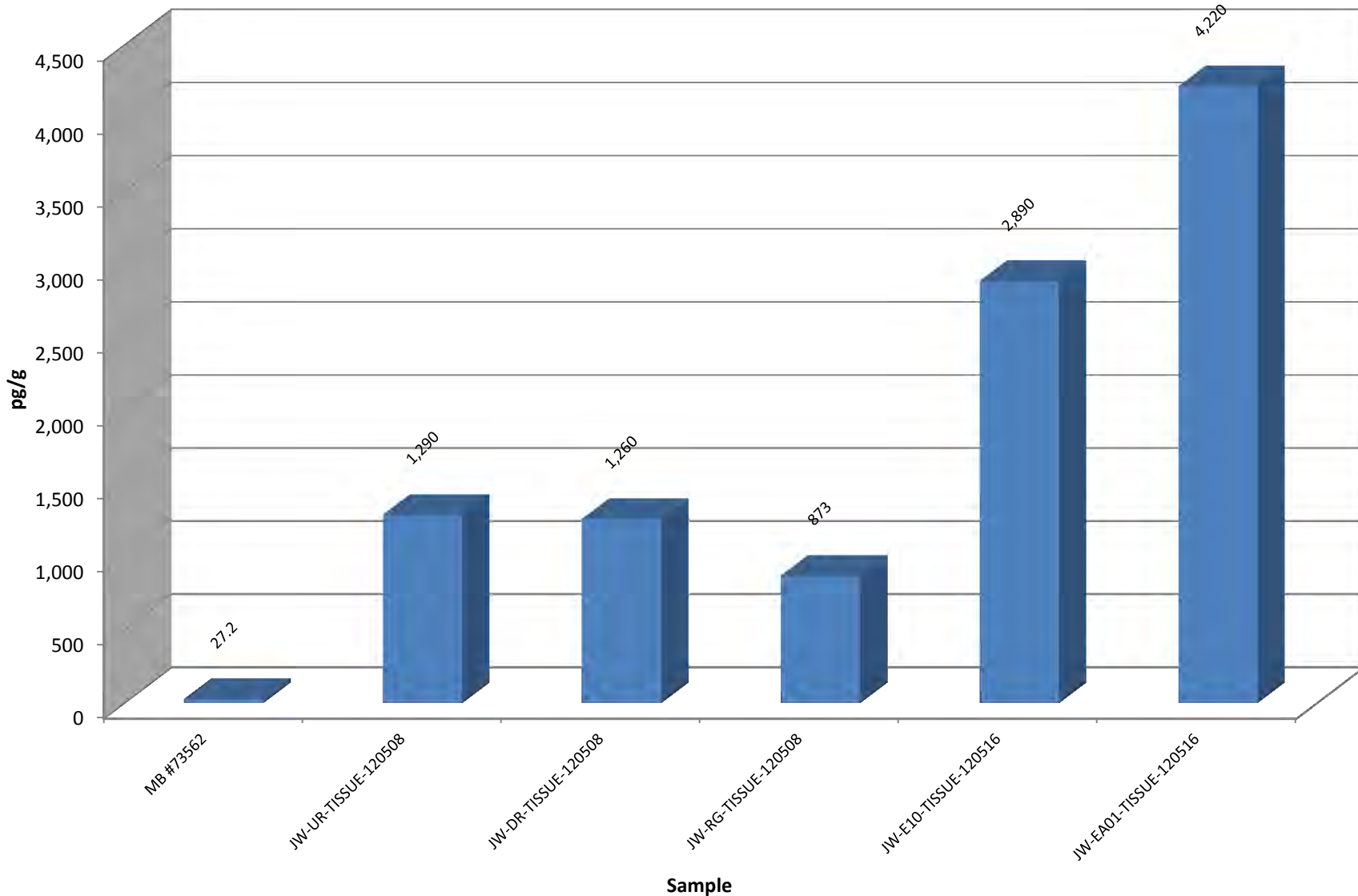
PCB Homologues
Project ID: Jeld-Wen Surface Sediment
A4369



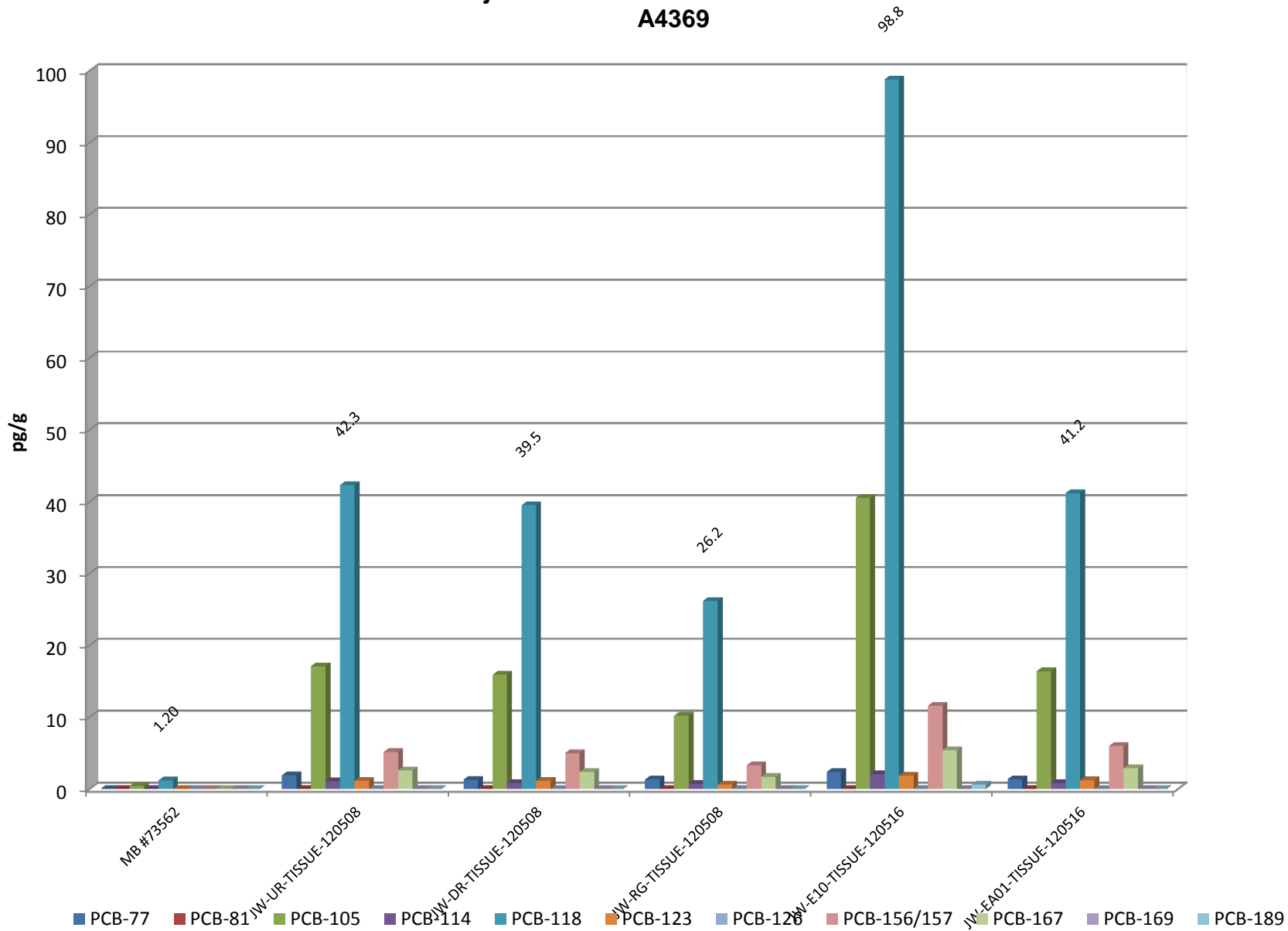
PCB TEQ
Project ID: Jeld-Wen Surface Sediment
A4369



PCB Totals
Project ID: Jeld-Wen Surface Sediment
A4369



PCB WHO
Project ID: Jeld-Wen Surface Sediment
A4369



Sample ID: MB #73562**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369	Date Received:	n/a
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	10.00 g	Sample ID:	MB1_9892_PCB_SDS	Date Extracted:	31-May-2012
Date Collected:	n/a	% Lipids	n/a	QC Batch No.:	9892	Date Analyzed:	03-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	ND	0.172			ES PCB-1	48	
PCB-81 344'5'-TeCB	ND	0.172			ES PCB-3	46.4	
PCB-105 233'44'-PeCB	0.409			J	ES PCB-4	42.5	
PCB-114 2344'5'-PeCB	ND	0.205			ES PCB-15	50.5	
PCB-118 23'44'5'-PeCB	1.2				ES PCB-19	49.3	
PCB-123 23'44'5'-PeCB	ND	0.259			ES PCB-37	69.9	
PCB-126 33'44'5'-PeCB	ND	0.146			ES PCB-54	49.7	
PCB-156/157 233'44'5'/233'44'5'-HxCB	ND	0.215		C	ES PCB-77	92.9	
PCB-167 23'44'55'-HxCB	ND	0.17			ES PCB-81	90.3	
PCB-169 33'44'55'-HxCB	ND	0.183			ES PCB-104	42.9	
PCB-189 233'44'55'-HpCB	ND	0.133			ES PCB-105	81.9	
					ES PCB-114	75.1	
TEQs (WHO M/H)					ES PCB-118	74	
					ES PCB-123	67.4	
ND = 0	0.0000483		0.0000483		ES PCB-126	85.3	
ND = 0.5 x DL	0.0101		0.0101				
					ES PCB-155	62.8	
Totals					ES PCB-156/157	92.9	
					ES PCB-167	92.2	
Mono-CBs	ND	0.258			ES PCB-169	87.3	
Di-CBs	7.82						
Tri-CBs	2.5						
Tetra-CBs	4.72				ES PCB-188	61.6	
Penta-CBs	6.98				ES PCB-189	85.5	
Hexa-CBs	5.19				ES PCB-202	77.3	
Hepta-CBs	ND	0.233			ES PCB-205	88.8	
Octa-CBs	ND	0.196			ES PCB-206	88.3	
Nona-CBs	ND	0.243			ES PCB-208	85.9	
Deca-CB	ND	0.216			ES PCB-209	83.6	
					CS PCB-28	79.9	
Total PCB (Mono-Deca)	27.2		27.2		CS PCB-111	82.8	
					CS PCB-178	73.8	

Checkcode: 749-048-MGJ

SGS AP PCB 2012 Rev. 1.4

Report Created: 06-Jul-2012 13:31 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: MB #73562 Method 1668B

Client Data		Sample Data			Laboratory Data					
Name:	JELD-WEN, Inc.	Matrix:		Tissue	Project No.:	A4369	Date Received:	n/a		
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	10.00 g		Sample ID:	MB1_9892_PCB_SDS	Date Extracted:	31-May-2012		
Date Collected:	n/a	% Lipids	n/a		QC Batch No.:	9892	Date Analyzed:	03-Jul-2012		
		Units	pg/g		Checkcode:	749-048-MGJ	Time Analyzed:	17:07:28		

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	(0.221)		PCB-19	(0.407)		PCB-54	(0.269)		PCB-72	(0.191)	
PCB-2	(0.291)		PCB-30/18	0.674	J C	PCB-50/53	(0.216)	C	PCB-68	(0.175)	
PCB-3	(0.295)		PCB-17	(0.393)		PCB-45	(0.262)		PCB-57	(0.195)	
			PCB-27	(0.299)		PCB-51	(0.212)		PCB-58	(0.192)	
Conc.	0		PCB-24	(0.316)		PCB-46	(0.263)		PCB-67	(0.182)	
EMPC	0		PCB-16	(0.482)		PCB-52	1.57		PCB-63	(0.175)	
			PCB-32	(0.281)		PCB-73	(0.183)		PCB-61/70/74/76	1.1	J C
Di	Conc.	Qualifiers	PCB-34	(0.271)		PCB-43	(0.253)		PCB-66	0.555	J
PCB-4	(5.4)		PCB-23	(0.263)		PCB-69/49	0.575	J C	PCB-55	(0.195)	
PCB-10	(3.06)		PCB-26/29	(0.26)	C	PCB-48	(0.233)		PCB-56	(0.201)	
PCB-9	(4.04)		PCB-25	(0.26)		PCB-44/47/65	0.923	J C	PCB-60	(0.196)	
PCB-7	(3.43)		PCB-31	0.611	J	PCB-59/62/75	(0.168)	C	PCB-80	(0.174)	
PCB-6	(3.75)		PCB-28/20	0.866	J C	PCB-42	(0.248)		PCB-79	(0.177)	
PCB-5	(3.82)		PCB-21/33	0.349	J C	PCB-41	(0.279)		PCB-78	(0.21)	
PCB-8	(3.56)		PCB-22	(0.276)		PCB-71/40	(0.223)	C	PCB-81	(0.172)	
PCB-14	(3.26)		PCB-36	(0.267)		PCB-64	(0.163)		PCB-77	(0.172)	
PCB-11	7.82		PCB-39	(0.254)							
PCB-13/12	(3.81)	C	PCB-38	(0.284)							
PCB-15	(3.57)		PCB-35	(0.291)							
			PCB-37	(0.28)							
Conc.	7.82		Conc.	2.5					Conc.	4.72	
EMPC	7.82		EMPC	2.5					EMPC	4.72	

SGS 
 2714 Exchange Drive
 Wilmington, NC 28405, USA

Tel: +1 910 794-1613
 Fax: +1 910 794-3919
 www.us.sgs.com

Totals	Conc.	EMPC
Mono-Tri	10.3	10.3
Tetra-Hexa	16.9	16.9
Hepta-Deca	0	0
Mono-Deca	27.2	27.2

Sample ID: MB #73562						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.285)		PCB-109/119/86...	0.979	J C	PCB-155	(0.185)		PCB-165	(0.237)	
PCB-96	(0.293)		PCB-117	(0.341)		PCB-152	(0.199)		PCB-146	(0.27)	
PCB-103	(0.29)		PCB-116/85	(0.243)	C	PCB-150	(0.196)		PCB-161	(0.207)	
PCB-94	(0.332)		PCB-110	1.56		PCB-136	(0.213)		PCB-153/168	1.37	J C
PCB-95	1.52		PCB-115	(0.239)		PCB-145	(0.21)		PCB-141	(0.293)	
PCB-100/93	(0.312)	C	PCB-82	(0.381)		PCB-148	(0.271)		PCB-130	(0.318)	
PCB-102	(0.272)		PCB-111	(0.238)		PCB-151/135	(0.274)	C	PCB-137	(0.271)	
PCB-98	(0.353)		PCB-120	(0.235)		PCB-154	(0.247)		PCB-164	(0.21)	
PCB-88	(0.354)		PCB-108/124	(0.251)	C	PCB-144	(0.273)		PCB-163/138/129	1.99	J C
PCB-91	(0.283)		PCB-107	(0.228)		PCB-147/149	1.84	J C	PCB-160	(0.214)	
PCB-84	(0.365)		PCB-123	(0.259)		PCB-134	(0.325)		PCB-158	(0.204)	
PCB-89	(0.35)		PCB-106	(0.246)		PCB-143	(0.281)		PCB-128/166	(0.204)	C
PCB-121	(0.238)		PCB-118	1.2		PCB-139/140	(0.261)	C	PCB-159	(0.174)	
PCB-92	(0.337)		PCB-122	(0.246)		PCB-131	(0.314)		PCB-162	(0.168)	
PCB-113/90/101	1.31	J C	PCB-114	(0.205)		PCB-142	(0.29)		PCB-167	(0.17)	
PCB-83	(0.387)		PCB-105	0.409	J	PCB-132	(0.292)		PCB-156/157	(0.215)	C
PCB-99	(0.313)		PCB-127	(0.229)		PCB-133	(0.294)		PCB-169	(0.183)	
PCB-112	(0.232)		PCB-126	(0.146)							
			Conc.	6.98					Conc.	5.19	
			EMPC	6.98					EMPC	5.19	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.245)		PCB-174	(0.35)		PCB-202	(0.232)		PCB-208	(0.221)	
PCB-179	(0.238)		PCB-177	(0.35)		PCB-201	(0.203)		PCB-207	(0.218)	
PCB-184	(0.248)		PCB-181	(0.3)		PCB-204	(0.212)		PCB-206	(0.265)	
PCB-176	(0.222)		PCB-171/173	(0.335)	C	PCB-197	(0.217)				
PCB-186	(0.231)		PCB-172	(0.242)		PCB-200	(0.229)		Conc.	0	
PCB-178	(0.318)		PCB-192	(0.191)		PCB-198/199	(0.284)	C	EMPC	0	
PCB-175	(0.312)		PCB-180/193	(0.206)	C	PCB-196	(0.28)				
PCB-187	(0.296)		PCB-191	(0.185)		PCB-203	(0.266)		Deca	Conc.	Qualifiers
PCB-182	(0.289)		PCB-170	(0.249)		PCB-195	(0.267)		PCB-209	(0.216)	
PCB-183	(0.269)		PCB-190	(0.19)		PCB-194	(0.242)				
PCB-185	(0.321)		PCB-189	(0.133)		PCB-205	(0.161)				
			Conc.	0		Conc.	0				
			EMPC	0		EMPC	0				

Sample ID: JW-UR-TISSUE-120508**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369	Date Received:	11-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	11.02 g	Sample ID:	A4369_9892_PCB_001	Date Extracted:	31-May-2012
Date Collected:	08-May-2012	% Lipids	0.6 %	QC Batch No.:	9892	Date Analyzed:	03-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44'-TeCB	1.92				ES PCB-1	60.3	
PCB-81 344'5'-TeCB	ND	0.175			ES PCB-3	62.2	
PCB-105 233'44'-PeCB	17.1				ES PCB-4	56.4	
PCB-114 2344'5'-PeCB	1.09				ES PCB-15	69.9	
PCB-118 23'44'5'-PeCB	42.3				ES PCB-19	66.9	
PCB-123 23'44'5'-PeCB	1.14				ES PCB-37	89.4	
PCB-126 33'44'5'-PeCB	ND	0.239			ES PCB-54	66.1	
PCB-156/157 233'44'5'/233'44'5'-HxCB	5.14			C	ES PCB-77	105	
PCB-167 23'44'55'-HxCB	2.59				ES PCB-81	107	
PCB-169 33'44'55'-HxCB	ND	0.144			ES PCB-104	57.9	
PCB-189 233'44'55'-HpCB	ND	0.141			ES PCB-105	86.3	
					ES PCB-114	82.1	
TEQs (WHO M/H)					ES PCB-118	85.2	
					ES PCB-123	74.6	
ND = 0	0.00227			0.00227	ES PCB-126	90.5	
ND = 0.5 x DL	0.0164			0.0164			
					ES PCB-155	84	
Totals					ES PCB-156/157	106	
					ES PCB-167	104	
Mono-CBs	4.94				ES PCB-169	92.6	
Di-CBs	69.2						
Tri-CBs	72.2						
Tetra-CBs	204			205	ES PCB-188	72	
Penta-CBs	390			391	ES PCB-189	96.9	
Hexa-CBs	388			389	ES PCB-202	85.4	
Hepta-CBs	135			137	ES PCB-205	91.1	
Octa-CBs	26.1				ES PCB-206	84.2	
Nona-CBs	1.01				ES PCB-208	92.4	
Deca-CB	ND	0.139			ES PCB-209	81.6	
					CS PCB-28	92.1	
Total PCB (Mono-Deca)	1,290			1,290	CS PCB-111	93.1	
					CS PCB-178	82.1	

Checkcode: 869-474-PHP

SGS AP PCB 2012 Rev. 1.4

Report Created: 06-Jul-2012 13:55 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-UR-TISSUE-120508						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.2)		PCB-109/119/86...	34.3	C	PCB-155	[0.231]	J EMPC	PCB-165	(0.136)	
PCB-96	0.297	J	PCB-117	3.13		PCB-152	(0.115)		PCB-146	26.7	
PCB-103	0.928		PCB-116/85	9.45	C	PCB-150	[0.225]	J EMPC	PCB-161	(0.119)	
PCB-94	(0.639)		PCB-110	63.8		PCB-136	8.36		PCB-153/168	81	C
PCB-95	45.4		PCB-115	1.5		PCB-145	(0.121)		PCB-141	6.37	
PCB-100/93	[0.948]	J EMPC C	PCB-82	6.48		PCB-148	0.614	J	PCB-130	9.28	
PCB-102	1.67		PCB-111	(0.458)		PCB-151/135	37.2	C	PCB-137	5.03	
PCB-98	(0.679)		PCB-120	0.652	J	PCB-154	2		PCB-164	5.74	
PCB-88	(0.681)		PCB-108/124	2.27	C	PCB-144	3.14		PCB-163/138/129	83.4	C
PCB-91	7.39		PCB-107	4.87		PCB-147/149	63.8	C	PCB-160	(0.123)	
PCB-84	11.2		PCB-123	1.14		PCB-134	4.95		PCB-158	7.7	
PCB-89	(0.673)		PCB-106	(0.473)		PCB-143	(0.162)		PCB-128/166	10.3	C
PCB-121	(0.458)		PCB-118	42.3		PCB-139/140	1.82	C	PCB-159	(0.121)	
PCB-92	22.6		PCB-122	(0.448)		PCB-131	0.935		PCB-162	[0.331]	J EMPC
PCB-113/90/101	66.1	C	PCB-114	1.09		PCB-142	(0.167)		PCB-167	2.59	
PCB-83	5.51		PCB-105	17.1		PCB-132	17.3		PCB-156/157	5.14	C
PCB-99	40.8		PCB-127	(0.438)		PCB-133	4.83		PCB-169	(0.144)	
PCB-112	(0.445)		PCB-126	(0.239)							
			Conc.	390					Conc.	388	
			EMPC	391					EMPC	389	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.158)		PCB-174	7.72		PCB-202	6.5		PCB-208	0.269	J
PCB-179	9.5		PCB-177	16.7		PCB-201	1.97		PCB-207	(0.171)	
PCB-184	(0.161)		PCB-181	(0.215)		PCB-204	(0.138)		PCB-206	0.745	J
PCB-176	1.83		PCB-171/173	5.21	C	PCB-197	0.647	J			
PCB-186	(0.15)		PCB-172	[0.8]	J EMPC	PCB-200	(0.148)		Conc.	1.01	
PCB-178	11.9		PCB-192	(0.157)		PCB-198/199	9.23	C	EMPC	1.01	
PCB-175	1.26		PCB-180/193	23.1	C	PCB-196	2.66				
PCB-187	40.8		PCB-191	0.599	J	PCB-203	2.47		Deca	Conc.	Qualifiers
PCB-182	(0.208)		PCB-170	4.82		PCB-195	0.797	J	PCB-209	(0.139)	
PCB-183	11.2		PCB-190	[1.49]	EMPC	PCB-194	1.84				
PCB-185	(0.23)		PCB-189	(0.141)		PCB-205	(0.125)				
			Conc.	135		Conc.	26.1				
			EMPC	137		EMPC	26.1				

Sample ID: JW-DR-TISSUE-120508**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369	Date Received:	11-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	10.70 g	Sample ID:	A4369_9892_PCB_002	Date Extracted:	31-May-2012
Date Collected:	08-May-2012	% Lipids	0.4 %	QC Batch No.:	9892	Date Analyzed:	03-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44'-TeCB	EMPC		1.29		ES PCB-1	56.5	
PCB-81 344'5'-TeCB	ND	0.329			ES PCB-3	56.9	
PCB-105 233'44'-PeCB	15.9				ES PCB-4	52.4	
PCB-114 2344'5'-PeCB	0.821			J	ES PCB-15	64.8	
PCB-118 23'44'5'-PeCB	39.5				ES PCB-19	61.8	
PCB-123 23'44'5'-PeCB	1.15				ES PCB-37	86.5	
PCB-126 33'44'5'-PeCB	ND	0.382			ES PCB-54	64.2	
PCB-156/157 233'44'5'/233'44'5'-HxCB	5.01			C	ES PCB-77	103	
PCB-167 23'44'55'-HxCB	2.38				ES PCB-81	108	
PCB-169 33'44'55'-HxCB	ND	0.324			ES PCB-104	55.9	
PCB-189 233'44'55'-HpCB	ND	0.262			ES PCB-105	86.8	
					ES PCB-114	86.6	
TEQs (WHO M/H)					ES PCB-118	87.5	
					ES PCB-123	77.7	
ND = 0	0.00194		0.00207		ES PCB-126	92.7	
ND = 0.5 x DL	0.0259		0.0261				
					ES PCB-155	83.2	
Totals					ES PCB-156/157	94.8	
					ES PCB-167	105	
Mono-CBs	6.69				ES PCB-169	95.3	
Di-CBs	144						
Tri-CBs	58.5		62.5				
Tetra-CBs	161		164		ES PCB-188	75.3	
Penta-CBs	343		344		ES PCB-189	97	
Hexa-CBs	384		389		ES PCB-202	88.3	
Hepta-CBs	137		139		ES PCB-205	93.3	
Octa-CBs	25.5		30.3		ES PCB-206	76.2	
Nona-CBs	ND	0.404			ES PCB-208	92.9	
Deca-CB	ND	0.247			ES PCB-209	80.1	
					CS PCB-28	90.7	
Total PCB (Mono-Deca)	1,260		1,280		CS PCB-111	94.5	
					CS PCB-178	81.7	

Checkcode: 012-099-BQG

SGS AP PCB 2012 Rev. 1.4

Report Created: 06-Jul-2012 13:55 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-DR-TISSUE-120508 Method 1668B

Client Data		Sample Data		Laboratory Data	
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	10.70 g	Sample ID:	A4369_9892_PCB_002
Date Collected:	08-May-2012	% Lipids	0.4 %	QC Batch No.:	9892
		Units	pg/g	Checkcode:	012-099-BQG
				Date Received:	11-May-2012
				Date Extracted:	31-May-2012
				Date Analyzed:	03-Jul-2012
				Time Analyzed:	18:57:31

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	1.97		PCB-19	1.15		PCB-54	(0.263)		PCB-72	0.65	J
PCB-2	2.95		PCB-30/18	8.73	C	PCB-50/53	2.23	C	PCB-68	[0.394]	J EMPC
PCB-3	1.78		PCB-17	4.65		PCB-45	1.81		PCB-57	(0.374)	
			PCB-27	1.23		PCB-51	1.04		PCB-58	(0.368)	
Conc.	6.69		PCB-24	(0.4)		PCB-46	0.692	J	PCB-67	2.12	
EMPC	6.69		PCB-16	[3.93]	EMPC	PCB-52	27.8		PCB-63	0.952	
			PCB-32	3.18		PCB-73	(0.254)		PCB-61/70/74/76	33.5	C
Di	Conc.	Qualifiers	PCB-34	(0.59)		PCB-43	[0.563]	J EMPC	PCB-66	19.1	
PCB-4	3.03		PCB-23	(0.573)		PCB-69/49	12.2	C	PCB-55	(0.374)	
PCB-10	(3.84)		PCB-26/29	2.83	C	PCB-48	3.23		PCB-56	8.23	
PCB-9	(5.09)		PCB-25	1.5		PCB-44/47/65	19.8	C	PCB-60	4.19	
PCB-7	(4.32)		PCB-31	10		PCB-59/62/75	2.83	C	PCB-80	(0.334)	
PCB-6	1.94		PCB-28/20	12.6	C	PCB-42	5.03		PCB-79	0.64	J
PCB-5	(4.82)		PCB-21/33	4.04	C	PCB-41	[1.01]	EMPC	PCB-78	(0.404)	
PCB-8	5.96		PCB-22	4.08		PCB-71/40	7.3	C	PCB-81	(0.329)	
PCB-14	(4.11)		PCB-36	(0.581)		PCB-64	7.43		PCB-77	[1.29]	EMPC
PCB-11	130		PCB-39	(0.554)							
PCB-13/12	(4.8)	C	PCB-38	(0.619)							
PCB-15	2.21		PCB-35	1.31							
			PCB-37	3.21							
Conc.	144		Conc.	58.5					Conc.	161	
EMPC	144		EMPC	62.5					EMPC	164	

SGS 
 2714 Exchange Drive
 Wilmington, NC 28405, USA

Tel: +1 910 794-1613
 Fax: +1 910 794-3919
 www.us.sgs.com

Totals	Conc.	EMPC
Mono-Tri	209	213
Tetra-Hexa	888	898
Hepta-Deca	163	169
Mono-Deca	1,260	1,280

Sample ID: JW-DR-TISSUE-120508						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.342)		PCB-109/119/86...	31.6	C	PCB-155	(0.208)		PCB-165	(0.266)	
PCB-96	(0.352)		PCB-117	2.87		PCB-152	(0.224)		PCB-146	25.7	
PCB-103	(0.505)		PCB-116/85	8.97	C	PCB-150	(0.221)		PCB-161	(0.233)	
PCB-94	(0.579)		PCB-110	57.1		PCB-136	7.65		PCB-153/168	83	C
PCB-95	38.6		PCB-115	1.52		PCB-145	(0.236)		PCB-141	6.61	
PCB-100/93	(0.542)	C	PCB-82	5.88		PCB-148	(0.305)		PCB-130	9.43	
PCB-102	[1.26]	EMPC	PCB-111	(0.414)		PCB-151/135	34.2	C	PCB-137	4.2	
PCB-98	(0.615)		PCB-120	(0.409)		PCB-154	2.02		PCB-164	6.58	
PCB-88	(0.616)		PCB-108/124	1.98	C	PCB-144	3.06		PCB-163/138/129	85.8	C
PCB-91	6.95		PCB-107	4.51		PCB-147/149	64.9	C	PCB-160	(0.241)	
PCB-84	9.92		PCB-123	1.15		PCB-134	[5.15]	EMPC	PCB-158	7.25	
PCB-89	(0.609)		PCB-106	(0.428)		PCB-143	(0.316)		PCB-128/166	11.1	C
PCB-121	(0.414)		PCB-118	39.5		PCB-139/140	1.83	J C	PCB-159	(0.296)	
PCB-92	17.2		PCB-122	(0.442)		PCB-131	(0.354)		PCB-162	(0.286)	
PCB-113/90/101	57.3	C	PCB-114	0.821	J	PCB-142	(0.326)		PCB-167	2.38	
PCB-83	4.87		PCB-105	15.9		PCB-132	19.5		PCB-156/157	5.01	C
PCB-99	36.6		PCB-127	(0.415)		PCB-133	4.11		PCB-169	(0.324)	
PCB-112	(0.403)		PCB-126	(0.382)							
			Conc.	343					Conc.	384	
			EMPC	344					EMPC	389	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.325)		PCB-174	8.28		PCB-202	8.33		PCB-208	(0.304)	
PCB-179	9.72		PCB-177	17.3		PCB-201	2.26		PCB-207	(0.299)	
PCB-184	(0.33)		PCB-181	(0.451)		PCB-204	(0.221)		PCB-206	(0.503)	
PCB-176	2.22		PCB-171/173	5.28	C	PCB-197	0.928	J			
PCB-186	(0.307)		PCB-172	[0.974]	EMPC	PCB-200	(0.238)		Conc.	0	
PCB-178	11.9		PCB-192	(0.351)		PCB-198/199	9.73	C	EMPC	0	
PCB-175	[0.958]	EMPC	PCB-180/193	23.7	C	PCB-196	[3.15]	EMPC			
PCB-187	40.7		PCB-191	(0.34)		PCB-203	3.27		Deca	Conc.	Qualifiers
PCB-182	(0.435)		PCB-170	5.53		PCB-195	0.984		PCB-209	(0.247)	
PCB-183	10.5		PCB-190	1.97		PCB-194	[1.69]	EMPC			
PCB-185	(0.482)		PCB-189	(0.262)		PCB-205	(0.294)				
			Conc.	137		Conc.	25.5				
			EMPC	139		EMPC	30.3				

Sample ID: JW-RG-TISSUE-120508**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369	Date Received:	11-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	10.78 g	Sample ID:	A4369_9892_PCB_003	Date Extracted:	31-May-2012
Date Collected:	08-May-2012	% Lipids	0.5 %	QC Batch No.:	9892	Date Analyzed:	03-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44"-TeCB	1.32				ES PCB-1	57.2	
PCB-81 344'5"-TeCB	ND	0.176			ES PCB-3	56.8	
PCB-105 233'44"-PeCB	10.2				ES PCB-4	52.3	
PCB-114 2344'5"-PeCB	EMPC		0.704	J	ES PCB-15	63.5	
PCB-118 23'44'5"-PeCB	26.2				ES PCB-19	62.2	
PCB-123 23'44'5"-PeCB	EMPC		0.606	J	ES PCB-37	80.3	
PCB-126 33'44'5"-PeCB	ND	0.256			ES PCB-54	62.5	
PCB-156/157 233'44'5"/233'44'5"-HxCB	3.31			C	ES PCB-77	96.4	
PCB-167 23'44'55"-HxCB	1.71				ES PCB-81	101	
PCB-169 33'44'55"-HxCB	ND	0.209			ES PCB-104	57.2	
PCB-189 233'44'55"-HpCB	ND	0.165			ES PCB-105	87.3	
					ES PCB-114	86.1	
TEQs (WHO M/H)					ES PCB-118	85.8	
					ES PCB-123	77.5	
ND = 0	0.00138		0.00142		ES PCB-126	86.9	
ND = 0.5 x DL	0.0174		0.0174				
					ES PCB-155	80.1	
Totals					ES PCB-156/157	103	
					ES PCB-167	101	
Mono-CBs	4.06				ES PCB-169	89.1	
Di-CBs	67.1						
Tri-CBs	43.7		46.7				
Tetra-CBs	127		129		ES PCB-188	70.9	
Penta-CBs	236		238		ES PCB-189	94.7	
Hexa-CBs	276		278		ES PCB-202	83.6	
Hepta-CBs	95.5		103		ES PCB-205	91	
Octa-CBs	23				ES PCB-206	82.6	
Nona-CBs	ND	0.331			ES PCB-208	90.8	
Deca-CB	ND	0.246			ES PCB-209	81.6	
					CS PCB-28	89.7	
Total PCB (Mono-Deca)	873		888		CS PCB-111	93	
					CS PCB-178	82.5	

Checkcode: 181-066-NFQ

SGS AP PCB 2012 Rev. 1.4

Report Created: 06-Jul-2012 13:57 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-RG-TISSUE-120508 Method 1668B

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369	Date Received:	11-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	10.78 g	Sample ID:	A4369_9892_PCB_003	Date Extracted:	31-May-2012
Date Collected:	08-May-2012	% Lipids	0.5 %	QC Batch No.:	9892	Date Analyzed:	03-Jul-2012
		Units	pg/g	Checkcode:	181-066-NFQ	Time Analyzed:	19:52:35

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	1.15		PCB-19	0.787	J	PCB-54	(0.137)		PCB-72	[0.567]	J EMPC
PCB-2	1.76		PCB-30/18	6.25	B C	PCB-50/53	1.74	J C	PCB-68	[0.327]	J EMPC
PCB-3	1.15		PCB-17	[2.97]	EMPC	PCB-45	1.37		PCB-57	(0.201)	
			PCB-27	0.805	J	PCB-51	[0.677]	J EMPC	PCB-58	(0.197)	
Conc.	4.06		PCB-24	(0.245)		PCB-46	0.638	J	PCB-67	1.4	
EMPC	4.06		PCB-16	2.86		PCB-52	22.9		PCB-63	0.629	J
			PCB-32	2.16		PCB-73	(0.142)		PCB-61/70/74/76	24.8	C
Di	Conc.	Qualifiers	PCB-34	(0.314)		PCB-43	0.482	J	PCB-66	15.9	
PCB-4	2.68		PCB-23	(0.306)		PCB-69/49	9.88	C	PCB-55	(0.201)	
PCB-10	(2.95)		PCB-26/29	2.29	C	PCB-48	2.36		PCB-56	6.07	
PCB-9	(2.93)		PCB-25	1.22		PCB-44/47/65	16.1	C	PCB-60	3.08	
PCB-7	(2.49)		PCB-31	7.89		PCB-59/62/75	2.02	J C	PCB-80	(0.179)	
PCB-6	1.18		PCB-28/20	10	C	PCB-42	4.02		PCB-79	[0.318]	J EMPC
PCB-5	(2.77)		PCB-21/33	3.17	B C	PCB-41	1.04		PCB-78	(0.216)	
PCB-8	3.68		PCB-22	2.94		PCB-71/40	5.36	C	PCB-81	(0.176)	
PCB-14	(2.37)		PCB-36	0.32	J	PCB-64	5.8		PCB-77	1.32	
PCB-11	58.3	B	PCB-39	(0.295)							
PCB-13/12	(2.77)	C	PCB-38	(0.33)							
PCB-15	1.32		PCB-35	0.735	J						
			PCB-37	2.3							
Conc.	67.1		Conc.	43.7					Conc.	127	
EMPC	67.1		EMPC	46.7					EMPC	129	

SGS 
 2714 Exchange Drive
 Wilmington, NC 28405, USA

Tel: +1 910 794-1613
 Fax: +1 910 794-3919
 www.us.sgs.com

Totals	Conc.	EMPC
Mono-Tri	115	118
Tetra-Hexa	640	644
Hepta-Deca	118	126
Mono-Deca	873	888

Sample ID: JW-RG-TISSUE-120508						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.239)		PCB-109/119/86...	21	C	PCB-155	(0.15)		PCB-165	(0.192)	
PCB-96	(0.246)		PCB-117	2.05		PCB-152	(0.162)		PCB-146	20.8	
PCB-103	(0.345)		PCB-116/85	5.67	C	PCB-150	(0.159)		PCB-161	(0.168)	
PCB-94	(0.395)		PCB-110	36.8		PCB-136	5.46		PCB-153/168	60.5	C
PCB-95	28.5		PCB-115	0.877	J	PCB-145	(0.17)		PCB-141	4.53	
PCB-100/93	0.596	J C	PCB-82	3.82		PCB-148	(0.22)		PCB-130	6.69	
PCB-102	0.875	J	PCB-111	(0.283)		PCB-151/135	25.6	C	PCB-137	2.98	
PCB-98	(0.419)		PCB-120	(0.279)		PCB-154	1.53		PCB-164	4.55	
PCB-88	(0.421)		PCB-108/124	1.41	J C	PCB-144	2.1		PCB-163/138/129	59	C
PCB-91	4.38		PCB-107	2.86		PCB-147/149	46.1	C	PCB-160	(0.174)	
PCB-84	6.24		PCB-123	[0.606]	J EMPC	PCB-134	3.51		PCB-158	5.12	
PCB-89	(0.415)		PCB-106	(0.292)		PCB-143	(0.228)		PCB-128/166	7.02	C
PCB-121	(0.283)		PCB-118	26.2		PCB-139/140	[1.21]	J EMPC C	PCB-159	(0.188)	
PCB-92	14.1		PCB-122	(0.313)		PCB-131	(0.255)		PCB-162	(0.182)	
PCB-113/90/101	41.5	C	PCB-114	[0.704]	J EMPC	PCB-142	(0.235)		PCB-167	1.71	
PCB-83	3.2		PCB-105	10.2		PCB-132	12.1		PCB-156/157	3.31	C
PCB-99	26.2		PCB-127	(0.283)		PCB-133	3.76		PCB-169	(0.209)	
PCB-112	(0.275)		PCB-126	(0.256)							
			Conc.	236					Conc.	276	
			EMPC	238					EMPC	278	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.237)		PCB-174	5.52		PCB-202	6.41		PCB-208	(0.282)	
PCB-179	[6.05]	EMPC	PCB-177	12.4		PCB-201	1.58		PCB-207	(0.278)	
PCB-184	(0.24)		PCB-181	(0.388)		PCB-204	(0.249)		PCB-206	(0.379)	
PCB-176	[1.37]	EMPC	PCB-171/173	3.29	C	PCB-197	0.494	J			
PCB-186	(0.223)		PCB-172	0.68	J	PCB-200	(0.269)		Conc.	0	
PCB-178	9.68		PCB-192	(0.271)		PCB-198/199	7.67	C	EMPC	0	
PCB-175	0.968		PCB-180/193	18.2	C	PCB-196	2.3				
PCB-187	31.1		PCB-191	0.499	J	PCB-203	2.29		Deca	Conc.	Qualifiers
PCB-182	(0.374)		PCB-170	4.05		PCB-195	0.778	J	PCB-209	(0.246)	
PCB-183	7.74		PCB-190	1.44		PCB-194	1.45				
PCB-185	(0.415)		PCB-189	(0.165)		PCB-205	(0.196)				
			Conc.	95.5		Conc.	23				
			EMPC	103		EMPC	23				

Sample ID: JW-E10-TISSUE-120516**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369	Date Received:	18-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	11.04 g	Sample ID:	A4369_9892_PCB_004	Date Extracted:	31-May-2012
Date Collected:	16-May-2012	% Lipids	0.5 %	QC Batch No.:	9892	Date Analyzed:	03-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44'-TeCB	2.36				ES PCB-1	56.2	
PCB-81 344'5'-TeCB	ND	0.308			ES PCB-3	55.2	
PCB-105 233'44'-PeCB	40.5				ES PCB-4	51.7	
PCB-114 2344'5'-PeCB	2.07				ES PCB-15	61.8	
PCB-118 23'44'5'-PeCB	98.8				ES PCB-19	59.9	
PCB-123 23'44'5'-PeCB	1.84				ES PCB-37	81.4	
PCB-126 33'44'5'-PeCB	ND	0.402			ES PCB-54	61.5	
PCB-156/157 233'44'5'/233'44'5'-HxCB	11.6			C	ES PCB-77	102	
PCB-167 23'44'55'-HxCB	5.42				ES PCB-81	107	
PCB-169 33'44'55'-HxCB	ND	0.479			ES PCB-104	57.9	
PCB-189 233'44'55'-HpCB	0.628			J	ES PCB-105	91.1	
					ES PCB-114	85.8	
TEQs (WHO M/H)					ES PCB-118	92.6	
					ES PCB-123	81.9	
ND = 0	0.00506			0.00506	ES PCB-126	89	
ND = 0.5 x DL	0.0324			0.0324			
					ES PCB-155	83.7	
Totals					ES PCB-156/157	105	
					ES PCB-167	103	
Mono-CBs	5.36				ES PCB-169	91.5	
Di-CBs	148						
Tri-CBs	204						
Tetra-CBs	422			423	ES PCB-188	73	
Penta-CBs	883				ES PCB-189	98.3	
Hexa-CBs	890			896	ES PCB-202	86.3	
Hepta-CBs	265			282	ES PCB-205	93.5	
Octa-CBs	71.5				ES PCB-206	87.8	
Nona-CBs	0.641			2.69	ES PCB-208	93	
Deca-CB	ND	0.381			ES PCB-209	81.6	
					CS PCB-28	86.1	
Total PCB (Mono-Deca)	2,890			2,920	CS PCB-111	94.6	
					CS PCB-178	80.8	

Checkcode: 719-616-NVW

SGS AP PCB 2012 Rev. 1.4

Report Created: 06-Jul-2012 13:59 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-E10-TISSUE-120516 Method 1668B

Client Data		Sample Data		Laboratory Data	
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	11.04 g	Sample ID:	A4369_9892_PCB_004
Date Collected:	16-May-2012	% Lipids	0.5 %	QC Batch No.:	9892
		Units	pg/g	Checkcode:	719-616-NVW
				Date Received:	18-May-2012
				Date Extracted:	31-May-2012
				Date Analyzed:	03-Jul-2012
				Time Analyzed:	20:47:34

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	1.46		PCB-19	4.84		PCB-54	0.661	J	PCB-72	1.41	
PCB-2	2.34		PCB-30/18	24.5	C	PCB-50/53	11.1	C	PCB-68	1.53	
PCB-3	1.56		PCB-17	15.2		PCB-45	5.28		PCB-57	(0.35)	
			PCB-27	8.07		PCB-51	4.22		PCB-58	0.396	J
Conc.	5.36		PCB-24	0.781	J	PCB-46	2.57		PCB-67	2.59	
EMPC	5.36		PCB-16	12.6		PCB-52	96.3		PCB-63	1.55	
			PCB-32	12.3		PCB-73	[0.355]	J EMPC	PCB-61/70/74/76	69.4	C
Di	Conc.	Qualifiers	PCB-34	(0.523)		PCB-43	1.63		PCB-66	33.7	
PCB-4	7.56		PCB-23	(0.509)		PCB-69/49	39.2	C	PCB-55	0.894	J
PCB-10	(4.93)		PCB-26/29	14.2	C	PCB-48	8.85		PCB-56	12.3	
PCB-9	(4.77)		PCB-25	6.16		PCB-44/47/65	55.9	C	PCB-60	5.87	
PCB-7	(4.05)		PCB-31	31		PCB-59/62/75	5.35	C	PCB-80	(0.312)	
PCB-6	3.96		PCB-28/20	41.5	C	PCB-42	12.2		PCB-79	[0.897]	J EMPC
PCB-5	(4.51)		PCB-21/33	9.21	C	PCB-41	3.45		PCB-78	(0.377)	
PCB-8	8.66		PCB-22	14.5		PCB-71/40	24	C	PCB-81	(0.308)	
PCB-14	(3.85)		PCB-36	0.71	J	PCB-64	19.1		PCB-77	2.36	
PCB-11	121		PCB-39	(0.492)							
PCB-13/12	(4.5)	C	PCB-38	(0.55)							
PCB-15	6.22		PCB-35	1.66							
			PCB-37	6.87							
Conc.	148		Conc.	204					Conc.	422	
EMPC	148		EMPC	204					EMPC	423	

SGS 
 2714 Exchange Drive
 Wilmington, NC 28405, USA

Tel: +1 910 794-1613
 Fax: +1 910 794-3919
 www.us.sgs.com

Totals	Conc.	EMPC
Mono-Tri	357	357
Tetra-Hexa	2,190	2,200
Hepta-Deca	337	356
Mono-Deca	2,890	2,920

Sample ID: JW-E10-TISSUE-120516						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.439)		PCB-109/119/86...	78.1	C	PCB-155	(0.195)		PCB-165	(0.249)	
PCB-96	0.994		PCB-117	4.07		PCB-152	(0.21)		PCB-146	50.5	
PCB-103	1.42		PCB-116/85	21.7	C	PCB-150	(0.206)		PCB-161	(0.218)	
PCB-94	(0.858)		PCB-110	150		PCB-136	19.3		PCB-153/168	185	C
PCB-95	112		PCB-115	3.46		PCB-145	(0.221)		PCB-141	18.3	
PCB-100/93	1.71	J C	PCB-82	14.7		PCB-148	(0.286)		PCB-130	19.9	
PCB-102	3.95		PCB-111	(0.614)		PCB-151/135	74.7	C	PCB-137	10.1	
PCB-98	(0.911)		PCB-120	(0.606)		PCB-154	4.41		PCB-164	14.7	
PCB-88	(0.914)		PCB-108/124	4.84	C	PCB-144	7.93		PCB-163/138/129	202	C
PCB-91	17.8		PCB-107	9.92		PCB-147/149	148	C	PCB-160	(0.225)	
PCB-84	28.1		PCB-123	1.84		PCB-134	12.3		PCB-158	19.5	
PCB-89	(0.902)		PCB-106	(0.634)		PCB-143	(0.295)		PCB-128/166	27.8	C
PCB-121	(0.614)		PCB-118	98.8		PCB-139/140	[3.93]	EMPC C	PCB-159	(0.366)	
PCB-92	41.5		PCB-122	(0.736)		PCB-131	[2.06]	EMPC	PCB-162	0.662	J
PCB-113/90/101	147	C	PCB-114	2.07		PCB-142	(0.305)		PCB-167	5.42	
PCB-83	11		PCB-105	40.5		PCB-132	50		PCB-156/157	11.6	C
PCB-99	88		PCB-127	(0.691)		PCB-133	8.11		PCB-169	(0.479)	
PCB-112	(0.597)		PCB-126	(0.402)							
			Conc.	883					Conc.	890	
			EMPC	883					EMPC	896	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.396)		PCB-174	21.2		PCB-202	15.8		PCB-208	0.641	J
PCB-179	19.3		PCB-177	31.8		PCB-201	4.5		PCB-207	(0.511)	
PCB-184	(0.401)		PCB-181	(0.651)		PCB-204	(0.312)		PCB-206	[2.05]	EMPC
PCB-176	4.47		PCB-171/173	11	C	PCB-197	1.78				
PCB-186	(0.374)		PCB-172	2.39		PCB-200	(0.337)		Conc.	0.641	
PCB-178	[16.8]	EMPC	PCB-192	(0.448)		PCB-198/199	23.9	C	EMPC	2.69	
PCB-175	2.15		PCB-180/193	52.6	C	PCB-196	9.23				
PCB-187	77		PCB-191	1.32		PCB-203	7.92		Deca	Conc.	Qualifiers
PCB-182	(0.628)		PCB-170	12.9		PCB-195	2.51		PCB-209	(0.381)	
PCB-183	23.3		PCB-190	3.73		PCB-194	5.81				
PCB-185	1.51		PCB-189	0.628	J	PCB-205	(0.313)				
			Conc.	265		Conc.	71.5				
			EMPC	282		EMPC	71.5				

Sample ID: JW-EA01-TISSUE-120516**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369	Date Received:	18-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	11.75 g	Sample ID:	A4369_9892_PCB_005	Date Extracted:	31-May-2012
Date Collected:	16-May-2012	% Lipids	0.5 %	QC Batch No.:	9892	Date Analyzed:	03-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44'-TeCB	1.38				ES PCB-1	57.3	
PCB-81 344'5'-TeCB	ND	0.276			ES PCB-3	53.6	
PCB-105 233'44'-PeCB	16.4				ES PCB-4	51	
PCB-114 2344'5'-PeCB	0.834			J	ES PCB-15	58	
PCB-118 23'44'5'-PeCB	41.2				ES PCB-19	57.2	
PCB-123 23'44'5'-PeCB	EMPC		1.21		ES PCB-37	80.8	
PCB-126 33'44'5'-PeCB	ND	0.322			ES PCB-54	57.5	
PCB-156/157 233'44'5'/233'44'5'-HxCB	6			C	ES PCB-77	93.5	
PCB-167 23'44'55'-HxCB	2.87				ES PCB-81	99	
PCB-169 33'44'55'-HxCB	ND	0.292			ES PCB-104	53.7	
PCB-189 233'44'55'-HpCB	ND	0.204			ES PCB-105	83.2	
					ES PCB-114	80.8	
TEQs (WHO M/H)					ES PCB-118	84.1	
					ES PCB-123	74.6	
ND = 0	0.00216		0.00219		ES PCB-126	82.3	
ND = 0.5 x DL	0.0227		0.0227				
					ES PCB-155	73.9	
Totals					ES PCB-156/157	92.1	
					ES PCB-167	90.6	
Mono-CBs	4.36				ES PCB-169	74.3	
Di-CBs	157						
Tri-CBs	1,460						
Tetra-CBs	1,600		1,600		ES PCB-188	65	
Penta-CBs	476		481		ES PCB-189	89.7	
Hexa-CBs	413		415		ES PCB-202	73.9	
Hepta-CBs	101		103		ES PCB-205	84	
Octa-CBs	17		18.9		ES PCB-206	82.3	
Nona-CBs	ND	0.389			ES PCB-208	83.9	
Deca-CB	ND	0.362			ES PCB-209	73.4	
					CS PCB-28	86.9	
Total PCB (Mono-Deca)	4,220		4,240		CS PCB-111	90.9	
					CS PCB-178	73.3	

Checkcode: 962-167-BHP


SGS AP PCB 2012 Rev. 1.4

Report Created: 06-Jul-2012 14:00 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA01-TISSUE-120516**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Tissue		Project No.:	A4369		Date Received:	18-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	11.75 g		Sample ID:	A4369_9892_PCB_005		Date Extracted:	31-May-2012							
Date Collected:	16-May-2012		% Lipids	0.5 %		QC Batch No.:	9892		Date Analyzed:	03-Jul-2012							
			Units	pg/g		Checkcode:	962-167-BHP		Time Analyzed:	21:42:38							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	1.65		PCB-19	18.4		PCB-54	0.818	J	PCB-72	2.42							
PCB-2	1.48		PCB-30/18	115	C	PCB-50/53	33.6	C	PCB-68	1.29							
PCB-3	1.24		PCB-17	104		PCB-45	40.6		PCB-57	[1.34]	EMPC						
			PCB-27	21.1		PCB-51	10.9		PCB-58	0.705	J						
Conc.	4.36		PCB-24	4.33		PCB-46	14.4		PCB-67	7.9							
EMPC	4.36		PCB-16	92.8		PCB-52	283		PCB-63	5.92							
			PCB-32	72.7		PCB-73	0.99		PCB-61/70/74/76	157	C						
Di	Conc.	Qualifiers	PCB-34	(0.691)		PCB-43	14.1		PCB-66	75.2							
PCB-4	24.9		PCB-23	(0.672)		PCB-69/49	162	C	PCB-55	1.96							
PCB-10	1.61		PCB-26/29	50.5	C	PCB-48	77.2		PCB-56	14.9							
PCB-9	2.1		PCB-25	24.8		PCB-44/47/65	282	C	PCB-60	7.45							
PCB-7	1.64		PCB-31	298		PCB-59/62/75	37	C	PCB-80	(0.279)							
PCB-6	8.5		PCB-28/20	389	C	PCB-42	83.2		PCB-79	0.686	J						
PCB-5	(3.72)		PCB-21/33	67.3	C	PCB-41	37.7		PCB-78	(0.338)							
PCB-8	26.2		PCB-22	134		PCB-71/40	118	C	PCB-81	(0.276)							
PCB-14	(3.17)		PCB-36	(0.681)		PCB-64	124		PCB-77	1.38							
PCB-11	52.9	B	PCB-39	1.81													
PCB-13/12	5.04	C	PCB-38	(0.726)													
PCB-15	34.1		PCB-35	3.87													
			PCB-37	62.9													
Conc.	157		Conc.	1,460					Conc.	1,600							
EMPC	157		EMPC	1,460					EMPC	1,600							
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC					
						Mono-Tri						1,620			1,620		
						Tetra-Hexa						2,480			2,490		
						Hepta-Deca						118			122		
						Mono-Deca						4,220			4,240		

Sample ID: JW-EA01-TISSUE-120516						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.27)		PCB-109/119/86...	35.1	C	PCB-155	(0.166)		PCB-165	(0.212)	
PCB-96	2.54		PCB-117	1.86		PCB-152	(0.178)		PCB-146	26.2	
PCB-103	[1.39]	EMPC	PCB-116/85	10.7	C	PCB-150	(0.176)		PCB-161	(0.185)	
PCB-94	[1.3]	EMPC	PCB-110	72.2		PCB-136	8.32		PCB-153/168	82.5	C
PCB-95	91.4		PCB-115	0.922		PCB-145	(0.188)		PCB-141	8.99	
PCB-100/93	2.7	C	PCB-82	5.74		PCB-148	(0.243)		PCB-130	9.77	
PCB-102	5.26		PCB-111	(0.376)		PCB-151/135	36.1	C	PCB-137	5.73	
PCB-98	(0.558)		PCB-120	(0.371)		PCB-154	1.74		PCB-164	7.09	
PCB-88	(0.56)		PCB-108/124	2.68	C	PCB-144	3.15		PCB-163/138/129	92.9	C
PCB-91	15.5		PCB-107	4.09		PCB-147/149	65.8	C	PCB-160	(0.191)	
PCB-84	15.3		PCB-123	[1.21]	EMPC	PCB-134	6.31		PCB-158	8.49	
PCB-89	[1.01]	EMPC	PCB-106	(0.388)		PCB-143	(0.251)		PCB-128/166	13	C
PCB-121	(0.376)		PCB-118	41.2		PCB-139/140	[2.14]	EMPC C	PCB-159	(0.236)	
PCB-92	26.1		PCB-122	0.747	J	PCB-131	0.93		PCB-162	(0.228)	
PCB-113/90/101	76.8	C	PCB-114	0.834	J	PCB-142	(0.26)		PCB-167	2.87	
PCB-83	5.02		PCB-105	16.4		PCB-132	22		PCB-156/157	6	C
PCB-99	42.6		PCB-127	(0.378)		PCB-133	4.59		PCB-169	(0.292)	
PCB-112	(0.366)		PCB-126	(0.322)							
			Conc.	476					Conc.	413	
			EMPC	481					EMPC	415	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.291)		PCB-174	6.88		PCB-202	4.78		PCB-208	(0.338)	
PCB-179	6.87		PCB-177	11.9		PCB-201	1.42		PCB-207	(0.332)	
PCB-184	(0.295)		PCB-181	(0.41)		PCB-204	(0.26)		PCB-206	(0.441)	
PCB-176	1.59		PCB-171/173	3.98	C	PCB-197	(0.266)				
PCB-186	(0.275)		PCB-172	0.84	J	PCB-200	(0.28)		Conc.	0	
PCB-178	8.3		PCB-192	(0.287)		PCB-198/199	6.67	C	EMPC	0	
PCB-175	[0.625]	J EMPC	PCB-180/193	19.2	C	PCB-196	2.42				
PCB-187	28		PCB-191	[0.507]	J EMPC	PCB-203	[1.94]	EMPC	Deca	Conc.	Qualifiers
PCB-182	(0.396)		PCB-170	4.09		PCB-195	0.579	J	PCB-209	(0.362)	
PCB-183	8.38		PCB-190	1.45		PCB-194	1.14				
PCB-185	(0.439)		PCB-189	(0.204)		PCB-205	(0.239)				
			Conc.	101		Conc.	17				
			EMPC	103		EMPC	18.9				



A4369 = AG_SGS project number

[] = samples this project

Anchor QEA 31 of 548
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Chain of Custody Record & Laboratory Analysis Request

Turnaround Requested:

Anchor Contact:

Page 1 of 4

Lab Contact: Amy Boehm		Project: Jeld Wen		Analyses Requested							Notes/ Comments:	
Lab: SGS		Surface Sediment		Archive for D/F & PCB	Archive	D/F & PCB						
Address: 5500 Business Drive		Proj. No.: 120909-01-01										
City, etc.: Wilmington NC 28405		Sampler: KC/NS										
Phone: (910) 350-1903		Shipping Method: Overnight										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-EAS8-SS29-120S	5/7/12	11:00	Sed	1	X							
JW-EAS8-SS30-120S	5/7/12	11:10	Sed	1		X						
JW-EAS8-SS31-120S	5/7/12	11:15	Sed	1		X						
JW-EAS8-SS32-120S	5/7/12	12:25	Sed	1		X						
JW-EAS8-WMP-120S	5/7/12	14:26	Sed	1			X					
JW-EA08-SS29-120S	5/7/12	11:00	Sed	1		X						
JW-EA08-SS30-120S	5/7/12	11:10	Sed	1		X						
JW-EA08-SS31-120S	5/7/12	11:15	Sed	1		X						
JW-EA08-SS32-120S	5/7/12	12:25	Sed	1		X						
JW-EA08-WMP-120S	5/7/12	15:28	Sed	1			X					
JW-EA06-SS22-120S	5/7/12	11:17	Sed	1		X						
JW-EA06-SS22-120S	5/7/12	11:12	Sed	1		X						
JW-EA06-SS23-120S	5/7/12	11:30	Sed	1		X						
JW-EA06-SS24-120S	5/7/12	11:40	Sed	1		X						
JW-EA06-WMP-120S	5/7/12	16:00	Sed	1			X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Julie Johnson</i>	Received By:	Received By:	# of Coolers: 2	Cooler 3, Temp(s): 3.2°C
Printed Name: Julie Johnson	Printed Name:	Printed Name:		
Company: SGS	Company:	Company:	COC Seals Intact? NA	Bottles Intact?
Date/Time: 5/9/12 1015	Date/Time:	Date/Time:		

no seals



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA 32 of 548
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 2 of 4

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>		Analyses Requested								Notes/ Comments:
Lab: <i>SGS</i>		Surface Sediment		PCB	Arochlor	Dioxin	D/F PCB					
Address: <i>5500 Business Drive</i>		Proj. No.: <i>120909-01.01</i>										
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>KL/NS</i>										
Phone: <i>910.350.1903</i>		Shipping Method: <i>Overnight</i>										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-EA10-SS39-1205	5/7/12	10:25	Sed	2	X	X						
JW-EA10-SS43-1205	5/7/12	12:20	Sed	2	X	X						
JW-EA10-SS41-1205	5/7/12	12:44	Sed	2	X	X						
JW-EA10-SS42-1205	5/7/12	09:03	Sed	2	X	X						
JW-EA10-SS40-1205	5/7/12	12:34	Sed	2	X	X						
JW-EA10-SS90-1205	5/7/12	12:34	Sed	1	X							
JW-EA10-Comp-1205	5/7/12	16:14	Sed	1		X						
JW-EA07-SS28-1205	5/7/12	12:00	Sed	1		X						
JW-EA07-SS25-1205	5/7/12	11:44	Sed	1		X						
JW-EA07-SS27-1205	5/7/12	12:14	Sed	1		X						
JW-EA07-SS26-1205	5/7/12	11:50	Sed	1		X						
JW-EA07-Comp-1205	5/7/12	16:33	Sed	1	X		X					<i>JB</i> 5/15/12
JW-EA03-SS12-1205	5/7/12	13:00	Sed	1		X						
JW-EA03-SS11-1205	5/7/12	14:00	Sed	1		X						
JW-EA03-Comp-1205	5/7/12	16:53	Sed	1			X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Jolie Johnson</i>	Received By:	Received By:		
Printed Name: <i>Jolie Johnson</i>	Printed Name:	Printed Name:	# of Coolers: <u>2</u> Cooler <u>3.6</u> Temp(s): <u>3.00</u> COC Seals Intact? <u>MA</u> Bottles Intact?	
Company: <u>SGS</u>	Company:	Company:		
Date/Time: <u>5/9/12 1015</u>	Date/Time:	Date/Time:		

no leads



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA 33 of 548
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 3 of 4

Lab Contact: Amy Boehm		Project: Jeld Wen		Analyses Requested							Notes/ Comments:
Lab: SGS		Surface Sediment		Archive for D/F 3 PCB	Archive	D/F 4 PCB	DIOXINS	D/F			
Address: 5500 Business Drive		Proj. No.: 120909-0101									
City, etc.: Wilmington NC 28405		Sampler: KCONS									
Phone: 910-350-1903		Shipping Method: Overnight									
Fax:		AirBill #:									
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers							
JW-EA03-SS10-1205	5/7/12	13:30	Sed	1	X						
JW-EA03-SS09-1205	5/7/12	13:45	Sed	1		X					
JW-EA02-SS05-1205	5/7/12	15:05	Sed	1	X						
JW-EA02-SS06-1205	5/7/12	14:56	Sed	1	X						
JW-EA02-SS08-1205	5/7/12	14:47	Sed	1	X						
JW-EA02-SS07-1205	5/7/12	14:47	Sed	1	X						
JW-EA02-Comp-1205	5/7/12	17:10	Sed	1		X					
JW-EA04-SS13-1205	5/7/12	12:55	Sed	1	X						
JW-EA04-SS16-1205	5/7/12	12:40	Sed	1	X						
JW-EA04-SS14-1205	5/7/12	12:50	Sed	1	X						
JW-EA04-SS15-1205	5/7/12	12:30	Sed	1	X						
JW-EA04-Comp-1205	5/7/12	17:25	Sed	1		X					
JW-EA01-SS04-1205	5/7/12	15:00	Sed	2	X		X				
JW-EA01-SS01-1205	5/7/12	15:22	Sed	2	X		X	X			
JW-EA01-SS02-1205	5/7/12	15:15	Sed	2	X			X			

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:		
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:	# of Coolers:	Cooler Temp(s):
			2	3.1, 3.20
			COC Seals Intact?	Bottles Intact?
			NA	

no seals



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

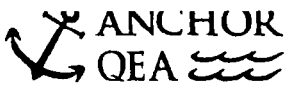
Turnaround Requested:

Anchor Contact:

Page 4 of 4

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>		Analyses Requested							Notes/ Comments:
Lab: <i>SGS</i>		Surface Sediment		Archive	Dioxins	D/F	PCBs	D/F & PCBs			
Address: <i>5500 Business Drive</i>		Proj. No.: <i>120909-01-01</i>									
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>KC/NS</i>									
Phone: <i>910.350.7903</i>		Shipping Method: <i>Overnight</i>									
Fax:		AirBill #:									
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers							
<i>JW-EA01-SS03-1205</i>	<i>5/7/12</i>	<i>15:10</i>	<i>Sed</i>	<i>2</i>	<i>X</i>	<i>X</i>					
<i>JW-EA01-SS51-1205</i>	<i>5/7/12</i>	<i>15:22</i>	<i>Sed</i>	<i>1</i>			<i>X</i>				
<i>JW-EA01-COMP-1205</i>	<i>5/7/12</i>	<i>17:39</i>	<i>Sed</i>	<i>1</i>			<i>X</i>				
<i>JW-EA09-SS34-1205</i>	<i>5/7/12</i>	<i>14:11</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS37-1205</i>	<i>5/7/12</i>	<i>13:46</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS35-1205</i>	<i>5/7/12</i>	<i>13:36</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS38-1205</i>	<i>5/7/12</i>	<i>13:50</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS33-1205</i>	<i>5/7/12</i>	<i>13:24</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS36-1205</i>	<i>5/7/12</i>	<i>14:01</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-RB-1205</i>	<i>5/7/12</i>	<i>17:58</i>	<i>Sed</i>	<i>2</i>		<i>X</i>	<i>X</i>				
<i>JW-EA09-COMP-1205</i>	<i>5/7/12</i>	<i>18:03</i>	<i>Sed</i>	<i>1</i>			<i>X</i>	<i>X</i>			
<i>JW-FB-1205</i>	<i>5/7/12</i>	<i>19:00</i>		<i>1</i>			<i>X</i>				

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:	<i>Signature from JW-EA01-COMP-1205</i>	
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Julie Johnson</i>	Received By:	Received By:		
Printed Name: <i>Julie Johnson</i>	Printed Name:	Printed Name:	# of Coolers:	Cooler <i>3, 1, 3, 2</i>
Company: <i>SGS</i>	Company:	Company:	CO2 Seals Intact? <i>N/A</i>	Bottles Intact?
Date/Time: <i>5/4/12 1015</i>	Date/Time:	Date/Time:	<i>No Seals</i>	



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1300 of 548
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact: Nathan Succovsky Page 1 of 1

Lab Contact: <u>Amy Boehm</u>		Project: <u>Jeld Wen</u>		Analyses Requested							Notes/ Comments:
Lab: <u>SGS</u>		Surface Sediment		Archive	D/F PCB	PUB/D/F/PAHS					
Address: <u>5500 Business Drive</u>		Proj. No.: <u>120909-01.01</u>									
City, etc.: <u>Wilmington NC 28405</u>		Sampler: <u>NS/KC</u>									
Phone: <u>910-350-1903</u>		Shipping Method: <u>Overnight</u>									
Fax:		AirBill #:									
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers							
<u>JW-UR-TISSUE-120508</u>	<u>5/8/12</u>	<u>11:00</u>	<u>TISSUE</u>	<u>3</u>							
<u>JW-DT-TISSUE-120508</u>	<u>5/8/12</u>	<u>11:30</u>	<u>TISSUE</u>	<u>2</u>							
<u>JW-TISSUE-120508</u>	<u>5/8/12</u>	<u>12:30</u>	<u>TISSUE</u>	<u>5</u>							
<u>JW-EA05-SS19-1205</u>	<u>5/9/12</u>	<u>11:32</u>	<u>Sed</u>	<u>1</u>	X						
<u>JW-EA05-SS20-1205</u>	<u>5/9/12</u>	<u>11:55</u>	<u>Sed</u>	<u>1</u>	X					@ 11°C	
<u>JW-EA05-SS18-1205</u>	<u>5/9/12</u>	<u>10:55</u>	<u>Sed</u>	<u>1</u>	X						
<u>JW-EA05-SS17-1205</u>	<u>5/9/12</u>	<u>10:10</u>	<u>Sed</u>	<u>1</u>	X						
<u>JW-EA05-COMP-1205</u>	<u>5/9/12</u>	<u>14:14</u>	<u>Sed</u>	<u>1</u>		X					

D/C. Proceed begin

Relinquished: (Signature) <u>C Fields</u>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: <u>Cindy Fields</u>	Printed Name:	Printed Name:		
Company: <u>Anchor QEA</u>	Company:	Company:		
Date/Time: <u>5/10/12 10:37am</u>	Date/Time:	Date/Time:		
Received By: <u>Johanna</u>	Received By:	Received By:		
Printed Name: <u>Julie Schwiser</u>	Printed Name:	Printed Name:		
Company: <u>SGS Analytical Business</u>	Company:	Company:	# of Coolers: <u>2</u>	Cooler Temp(s): <u>5°C</u>
Date/Time: <u>5/11/12 1300</u>	Date/Time:	Date/Time:	COC Seals Intact? <u>Yes</u>	Bottles Intact? <u>Yes</u>

NO Seals

31236/01548



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 1 of 2

Lab Contact: Amy Boehm		Project: Jeld Wen Surface Sediment			Analyses Requested							Notes/ Comments:	
Lab: SGS		Proj. No.: 120909-01.01			Archive	D/F & PCB							
Address: 5500 Business Drive		Sampler: NS/KC											
City, etc: Wilmington NC 28405		Shipping Method: Overnight											
Phone: 910 350-1903		AirBill #:											
Fax:													
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Archive	D/F & PCB							
JW-UR-SS47-1205	5/8/12	11:34	Sed	1	X								
JW-UR-SS46-1205	5/8/12	11:26	Sed	1	X								
JW-UR-SS45-1205	5/8/12	11:11	Sed	1	X								
JW-UR-SS44-1205	5/8/12	10:57	Sed	1	X								
JW-UR-COMP-1205	5/8/12	14:12	Sed	1		X							
JW-DR-SS48-1205	5/8/12	10:16	Sed	1	X								
JW-DR-SS49-1205	5/8/12	11:20	Sed	1	X								
JW-DR-SS50-1205	5/8/12	11:40	Sed	1	X								
JW-DR-SS51-1205	5/8/12	11:50	Sed	1	X								
JW-DR-COMP-1205	5/8/12	14:32	Sed	1		X							
JW-RG-SS52-1205	5/8/12	12:05	Sed	1	X								
JW-RG-SS55-1205	5/8/12	12:21	Sed	1	X								
JW-RG-SS53-1205	5/8/12	12:10	Sed	1	X								
JW-RG-SS54-1205	5/8/12	12:22	Sed	1	X								
JW-RG-COMP-1205	5/8/12	17:28	Sed	1		X							

Relinquished: (Signature) <i>C Fields</i>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes
Printed Name: <i>Cindy Fields</i>	Printed Name:	Printed Name:	
Company: <i>Anchor QEA</i>	Company:	Company:	
Date/Time: <i>5/9/12 11:30am</i>	Date/Time:	Date/Time:	
Received By:	Received By:	Received By:	
Printed Name:	Printed Name:	Printed Name:	
Company:	Company:	Company: <i>Amy Boehm</i>	# of Coolers: <i>1</i>
Date/Time:	Date/Time:	Date/Time: <i>5/11/12-0915</i>	Cooler Temp(s): <i>1.3</i>
			COC Seals Intact? <i>n/a</i>
			Bottles Intact? <i>Y</i>

1015

3762548/50



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 2 of 2

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>			Analyses Requested							Notes/ Comments:	
Lab: <i>SGS</i>		Site: <i>Seaf Surface Sediment</i>			PCB/DIF/PAHs								
Address: <i>5500 Business Drive</i>		Proj. No.: <i>120909-01.01</i>											
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>NS/KC</i>											
Phone: <i>910 350-1903</i>		Shipping Method: <i>Overnight</i>											
Fax:		AirBill #:											
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers									
<i>JW-EA10-Tissue</i>	<i>5/11/12 12:00</i>	<i>12:00</i>	<i>Tissue</i>	<i>3</i>	<i>X</i>								
<i>JW-EA01-Tissue</i>	<i>5/11/12 12:00</i>	<i>12:00</i>	<i>Tissue</i>	<i>5</i>	<i>X</i>								

Relinquished: (Signature) <i>C Fields</i>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: <i>Cindy Fields</i>	Printed Name:	Printed Name:		
Company: <i>Anchor QEA</i>	Company:	Company:		
Date/Time: <i>5/9/12 11:30am</i>	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:	# of Coolers: <i>1</i>	Cooler Temp(s): <i>1.3°C</i>
Printed Name:	Printed Name:	Printed Name: <i>Amy Boehm</i>		
Company:	Company:	Company: <i>SGS</i>		
Date/Time:	Date/Time:	Date/Time: <i>5/11/12 10:15</i>		
			COC Seals Intact? <i>2/4</i>	Bottles Intact? <i>4</i>

Analytical Perspectives — Run Log

Project: A4369_9892_PCB

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
3	120703S03	15	CS3_120703_PCB_SC	1.00	M1668-RETCO S40-51	LKB	727-130	03-Jul-2012	14:13:08
4	120703S04	18	OPR1_9892_PCB	1.00	OPR #73563	LKB	544-407	03-Jul-2012	15:19:13
5	120703S05	3	SBS_120703_PCB_SA	1.00	SIL9-41-1	LKB	950-576	03-Jul-2012	16:12:21
6	120703S06	19	✓ MB1_9892_PCB_SDS	10.00	MB #73562	LKB	749-048	03-Jul-2012	17:07:28
7	120703S07	20	A4369_9892_PCB_001	11.02	JW-UR-TISSUE-120508	LKB	869-474	03-Jul-2012	18:02:27
8	120703S08	21	A4369_9892_PCB_002	10.70	JW-DR-TISSUE-120508	LKB	012-099	03-Jul-2012	18:57:31
9	120703S09	22	✓ A4369_9892_PCB_003	10.78	JW-RG-TISSUE-120508	LKB	181-066	03-Jul-2012	19:52:35
10	120703S10	23	A4369_9892_PCB_004	11.04	JW-E10-TISSUE-120516	LKB	719-616	03-Jul-2012	20:47:34
11	120703S11	24	A4369_9892_PCB_005	11.75	JW-EA01-TISSUE-120516	LKB	962-167	03-Jul-2012	21:42:38



= manual calculation

REVIEWED*By Laura Boivin at 2:23 pm, Jul 06, 2012***REVIEWED***By Todd Vilen at 2:52 pm, Jul 09, 2012*

Lab ID: MB1_9892_PCB_SDS

ACQ: 03-Jul-2012 17:07:28 LKB Wt/Vol: 10.00 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120703_PCB_SC

Client ID: MB #73562

UTP: 05-Jul-2012 15:16 LKB

J-level: 1 pg/g Split: 1

Checkcode: 749-048-MGJ

Datafile: 120703S06

RPT: 06-Jul-2012 13:31 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.22	ND	1.14E+03	0.172
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.14E+03	0.172
PCB-105 233'44'-PeCB	32.20	J	1.0007	1.0008	+0.2	1.99E+04	0.55	1.03	0.409	1.01E+03	0.219
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.10	ND	1.01E+03	0.205
PCB-118 23'44'5'-PeCB	31.22		1.0008	1.0007	-0.2	5.50E+04	0.60	1.03	1.2	1.01E+03	0.222
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		0.93	ND	1.01E+03	0.259
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	8.41E+02	0.146
PCB-156/157 ...-HxCB	NotFnd	C	1.0005	-		0.00E+00		1.05	ND	8.21E+02	0.215
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	8.21E+02	0.17
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	8.21E+02	0.183
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	7.96E+02	0.133
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	5.30E+02	0.216
ES PCB-1	9.83		0.7181	0.7173	-0.5	9.82E+06	3.28	1.01	48 %	4%	100%
ES PCB-3	11.76		0.8583	0.8582	-0.1	9.87E+06	3.27	1.05	46.4 %	11%	106%
ES PCB-4	11.96		0.8732	0.8728	-0.3	6.00E+06	1.61	0.70	42.5 %	14%	107%
ES PCB-15	17.07		1.2453	1.2461	+0.8	1.20E+07	1.62	1.17	50.5 %	19%	107%
ES PCB-19	14.66		1.0698	1.0697	-0.1	5.65E+06	1.09	0.57	49.3 %	1%	108%
ES PCB-37	23.05		1.0865	1.0870	+0.7	1.01E+07	1.10	1.41	69.9 %	25%	123%
ES PCB-54	17.29		0.8157	0.8154	-0.3	6.73E+06	0.81	1.32	49.7 %	13%	105%
ES PCB-77	29.23		1.3777	1.3783	+1.1	1.16E+07	0.77	1.22	92.9 %	31%	109%
ES PCB-81	28.76		1.3557	1.3563	+1.0	1.06E+07	0.82	1.15	90.3 %	14%	127%
ES PCB-104	22.01		0.8147	0.8146	-0.1	6.96E+06	1.56	1.69	42.9 %	36%	115%
ES PCB-105	32.17		1.1906	1.1909	+0.6	9.50E+06	1.58	1.21	81.9 %	50%	111%
ES PCB-114	31.64		1.1709	1.1712	+0.6	8.89E+06	1.59	1.23	75.1 %	41%	121%
ES PCB-118	31.20		1.1547	1.1549	+0.4	8.86E+06	1.62	1.25	74 %	49%	111%
ES PCB-123	30.92		1.1444	1.1446	+0.4	8.60E+06	1.59	1.33	67.4 %	49%	116%
ES PCB-126	34.78		1.2871	1.2876	+1.0	1.11E+07	1.71	1.36	85.3 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.84		0.7939	0.7936	-0.5	7.99E+06	1.26	1.40	62.8 %	25%	124%
ES PCB-156/157	37.32		1.1035	1.1037	+0.4	1.90E+07	1.27	1.13	92.9 %	40%	120%
ES PCB-167	36.36		1.0753	1.0754	+0.2	9.43E+06	1.31	1.13	92.2 %	45%	118%
ES PCB-169	40.05		1.1842	1.1844	+0.5	9.04E+06	1.26	1.14	87.3 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.65		0.7204	0.7201	-0.6	7.47E+06	1.04	1.34	61.6 %	23%	125%
ES PCB-189	42.18		0.9598	0.9598	0	1.18E+07	1.09	1.77	85.5 %	47%	116%
ES PCB-202	36.16		0.8230	0.8228	-0.4	8.90E+06	0.89	1.27	77.3 %	31%	134%
ES PCB-205	44.35		1.0090	1.0091	+0.3	8.70E+06	0.89	1.25	88.8 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.82		1.0424	1.0425	+0.3	7.40E+06	0.77	1.07	88.3 %	38%	122%
ES PCB-208	41.78		0.9508	0.9507	-0.3	9.02E+06	0.78	1.34	85.9 %	31%	126%
ES PCB-209	47.17		1.0732	1.0734	+0.6	7.77E+06	1.22	1.18	83.6 %	43%	115%
CS/SS PCB-28	19.66		0.9269	0.9270	+0.1	1.13E+07	1.09	0.98	114 %	14%	131%
CS/SS PCB-111	29.29	V	1.0843	1.0844	+0.2	9.48E+06	1.62	0.90	123 %	57%	112%
CS/SS PCB-178	34.21		1.0118	1.0118	0	5.80E+06	1.07	0.65	120 %	57%	125%
CS PCB-28	19.66		0.9269	0.9270	+0.1	1.13E+07	1.09	1.39	79.9 %	14%	131%
CS PCB-111	29.29		1.0843	1.0844	+0.2	9.48E+06	1.62	1.19	82.8 %	57%	112%
CS PCB-178	34.21		1.0118	1.0118	0	5.80E+06	1.07	0.87	73.8 %	57%	125%
JS PCB-9	13.70					2.02E+07	1.60				
JS PCB-52	21.21					1.02E+07	0.77				
JS PCB-101	27.01					9.61E+06	1.62				
JS PCB-138	33.81					9.06E+06	1.26				
JS PCB-194	43.95					7.84E+06	0.88				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	0	0	0.258		
						Di-CBs	7.82	7.82	4.48		
						Tri-CBs	2.5	2.5	0.343		
						Tetra-CBs	4.72	4.72	0.213		
						Penta-CBs	6.98	6.98	0.223		
						Hexa-CBs	5.19	5.19	0.188		
						Hepta-CBs	0	0	0.233		
						Octa-CBs	0	0	0.196		
						Nona-CBs	0	0	0.243		
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00	1.20	ND	2.53E+03	0.221	
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00	1.14	ND	2.53E+03	0.291	
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00	1.13	ND	2.53E+03	0.295	
PCB-4 22'-DiCB	NotFnd		1.0012	-		0.00E+00	0.94	ND	2.53E+04	5.4	
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00	1.67	ND	2.53E+04	3.06	
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00	0.89	ND	2.46E+04	4.04	
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00	1.05	ND	2.46E+04	3.43	
PCB-6 23'-DiCB	NotFnd		1.0261	-		0.00E+00	0.96	ND	2.46E+04	3.75	
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00	0.94	ND	2.46E+04	3.82	
PCB-8 24'-DiCB	NotFnd		1.0533	-		0.00E+00	1.01	ND	2.46E+04	3.56	
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00	1.10	ND	2.46E+04	3.26	
PCB-11 33'-DiCB	16.56		0.9701	0.9701	0	4.39E+05	SI	0.94	7.82	8.37E+03	1.3
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00	0.94	ND	2.46E+04	3.81	
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00	1.01	ND	2.46E+04	3.57	

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00	1.01		ND	1.60E+03	0.407
PCB-30/18 246/22'5-TrCB	16.29	J C	1.1110	1.1112	+0.2	2.34E+04	0.98	1.23	0.674	1.60E+03	0.335
PCB-17 22'4-TrCB	NotFnd		1.1357	-		0.00E+00		1.05	ND	1.60E+03	0.393
PCB-27 23'6-TrCB	NotFnd		1.1479	-		0.00E+00		1.38	ND	1.60E+03	0.299
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.30	ND	1.60E+03	0.316
PCB-16 22'3-TrCB	NotFnd		1.1612	-		0.00E+00		0.85	ND	1.60E+03	0.482
PCB-32 24'6-TrCB	NotFnd		1.1923	-		0.00E+00		1.46	ND	1.60E+03	0.281
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.24	ND	1.72E+03	0.271
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.27	ND	1.72E+03	0.263
PCB-26/29 23'5/245-TrCB	NotFnd	C	0.8236	-		0.00E+00		1.29	ND	1.72E+03	0.26
PCB-25 23'4-TrCB	NotFnd		0.8315	-		0.00E+00		1.29	ND	1.72E+03	0.26
PCB-31 24'5-TrCB	19.42	J	0.8430	0.8424	-0.7	4.09E+04	1.12	1.33	0.611	1.72E+03	0.253
PCB-28/20 244'/233'-TrCB	19.68	J C	0.8542	0.8537	-0.6	5.50E+04	1.17	1.26	0.866	1.72E+03	0.267
PCB-21/33 234/23'4'-TrCB	19.87	J C	0.8612	0.8620	+1.0	2.30E+04	1.02	1.31	0.349	1.72E+03	0.257
PCB-22 234'-TrCB	NotFnd		0.8766	-		0.00E+00		1.21	ND	1.72E+03	0.276
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.26	ND	1.72E+03	0.267
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.32	ND	1.72E+03	0.254
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.18	ND	1.72E+03	0.284
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00		1.15	ND	1.72E+03	0.291
PCB-37 344'-TrCB	NotFnd		1.0008	-		0.00E+00		1.20	ND	1.72E+03	0.28
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	1.01E+03	0.269
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9051	-		0.00E+00		0.83	ND	9.53E+02	0.216
PCB-45 22'36-TeCB	NotFnd		0.9304	-		0.00E+00		0.68	ND	9.53E+02	0.262
PCB-51 22'46'-TeCB	NotFnd		0.9340	-		0.00E+00		0.84	ND	9.53E+02	0.212
PCB-46 22'36'-TeCB	NotFnd		0.9429	-		0.00E+00		0.68	ND	9.53E+02	0.263
PCB-52 22'55'-TeCB	21.23		1.0010	1.0010	0	6.30E+04	0.85	0.76	1.57	9.53E+02	0.236
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.97	ND	9.53E+02	0.183
PCB-43 22'35-TeCB	NotFnd		1.0106	-		0.00E+00		0.70	ND	9.53E+02	0.253
PCB-69/49 23'46/22'45'-TeCB	21.65	J C	1.0198	1.0208	+1.3	2.86E+04	0.70	0.94	0.575	9.53E+02	0.191
PCB-48 22'45-TeCB	NotFnd		1.0319	-		0.00E+00		0.77	ND	9.53E+02	0.233
PCB-44/47/65 ...-TeCB	22.07	J C	1.0416	1.0409	-0.9	4.08E+04	0.75	0.83	0.923	9.53E+02	0.215
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0541	-		0.00E+00		1.06	ND	9.53E+02	0.168
PCB-42 22'34'-TeCB	NotFnd		1.0612	-		0.00E+00		0.72	ND	9.53E+02	0.248
PCB-41 22'34-TeCB	NotFnd		1.0759	-		0.00E+00		0.64	ND	9.53E+02	0.279
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0806	-		0.00E+00		0.80	ND	9.53E+02	0.223
PCB-64 234'6-TeCB	NotFnd		1.0899	-		0.00E+00		1.10	ND	9.53E+02	0.163
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00		1.12	ND	1.14E+03	0.191
PCB-68 23'45'-TeCB	NotFnd		0.8379	-		0.00E+00		1.22	ND	1.14E+03	0.175
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.09	ND	1.14E+03	0.195
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.11	ND	1.14E+03	0.192
PCB-67 23'45-TeCB	NotFnd		0.8620	-		0.00E+00		1.17	ND	1.14E+03	0.182
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00		1.22	ND	1.14E+03	0.175
PCB-61/70/74/76 ...-TeCB	25.29	J C	0.8792	0.8794	+0.3	6.63E+04	0.83	1.13	1.1	1.14E+03	0.189
PCB-66 23'44'-TeCB	25.56	J	0.8888	0.8885	-0.5	3.13E+04	0.71	1.06	0.555	1.14E+03	0.201
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.09	ND	1.14E+03	0.195

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9080	-		0.00E+00		1.06	ND	1.14E+03	0.201
PCB-60 2344'-TeCB	NotFnd		0.9144	-		0.00E+00		1.09	ND	1.14E+03	0.196
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	1.14E+03	0.174
PCB-79 33'45'-TeCB	NotFnd		0.9718	-		0.00E+00		1.21	ND	1.14E+03	0.177
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.02	ND	1.14E+03	0.21
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	1.06E+03	0.285
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.89	ND	1.06E+03	0.293
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.83	ND	1.01E+03	0.29
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.72	ND	1.01E+03	0.332
PCB-95 22'35'6'-PeCB	24.54		0.9082	0.9082	0	4.91E+04	0.53	0.75	1.52	1.01E+03	0.318
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.77	ND	1.01E+03	0.312
PCB-102 22'456'-PeCB	NotFnd		0.9198	-		0.00E+00		0.88	ND	1.01E+03	0.272
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.68	ND	1.01E+03	0.353
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.68	ND	1.01E+03	0.354
PCB-91 22'34'6'-PeCB	NotFnd		0.9352	-		0.00E+00		0.85	ND	1.01E+03	0.283
PCB-84 22'33'6'-PeCB	NotFnd		0.9416	-		0.00E+00		0.66	ND	1.01E+03	0.365
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.68	ND	1.01E+03	0.35
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.01	ND	1.01E+03	0.238
PCB-92 22'355'-PeCB	NotFnd		0.9825	-		0.00E+00		0.71	ND	1.01E+03	0.337
PCB-113/90/101 ...-PeCB	27.04	J C	0.9999	1.0009	+1.6	4.84E+04	0.61	0.86	1.31	1.01E+03	0.279
PCB-83 22'33'5'-PeCB	NotFnd		1.0150	-		0.00E+00		0.62	ND	1.01E+03	0.387
PCB-99 22'44'5'-PeCB	NotFnd		1.0190	-		0.00E+00		0.77	ND	1.01E+03	0.313
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	1.01E+03	0.232
PCB-108/119/86/97/125...-PeCB	27.97	J C	1.0347	1.0355	+1.3	3.74E+04	0.67	0.89	0.979	1.01E+03	0.27
PCB-117 234'56'-PeCB	NotFnd		1.0539	-		0.00E+00		0.70	ND	1.01E+03	0.341
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0566	-		0.00E+00		0.98	ND	1.01E+03	0.243
PCB-110 233'4'6'-PeCB	28.68		1.0615	1.0619	+0.7	6.51E+04	0.62	0.97	1.56	1.01E+03	0.247
PCB-115 2344'6'-PeCB	NotFnd		1.0644	-		0.00E+00		1.00	ND	1.01E+03	0.239
PCB-82 22'33'4'-PeCB	NotFnd		1.0711	-		0.00E+00		0.63	ND	1.01E+03	0.381
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.01	ND	1.01E+03	0.238
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.02	ND	1.01E+03	0.235
PCB-107/124 ...-PeCB	NotFnd	C	0.9909	-		0.00E+00		0.95	ND	1.01E+03	0.251
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		1.05	ND	1.01E+03	0.228
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.97	ND	1.01E+03	0.246
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.91	ND	1.01E+03	0.246
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.98	ND	1.01E+03	0.229
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	8.40E+02	0.185
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.98	ND	8.40E+02	0.199
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.00	ND	8.40E+02	0.196
PCB-136 22'33'66'-HxCB	NotFnd		1.0216	-		0.00E+00		0.92	ND	8.40E+02	0.213
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.93	ND	8.40E+02	0.21
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.72	ND	8.40E+02	0.271
PCB-151/135 ...-HxCB	NotFnd	C	1.0986	-		0.00E+00		0.71	ND	8.40E+02	0.274
PCB-154 22'44'56'-HxCB	NotFnd		1.1067	-		0.00E+00		0.79	ND	8.40E+02	0.247
PCB-144 22'345'6'-HxCB	NotFnd		1.1158	-		0.00E+00		0.72	ND	8.40E+02	0.273

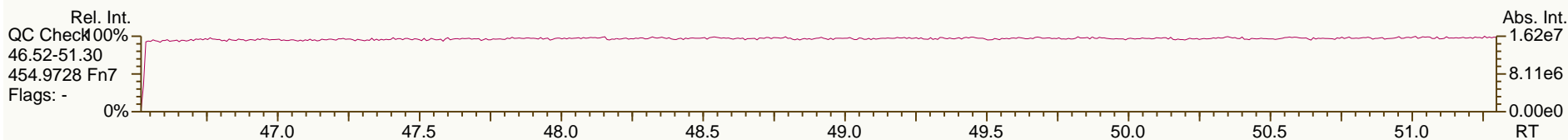
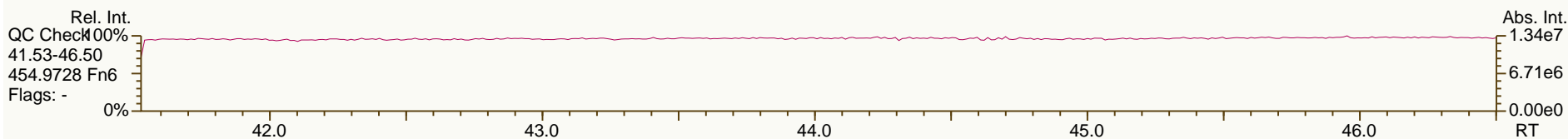
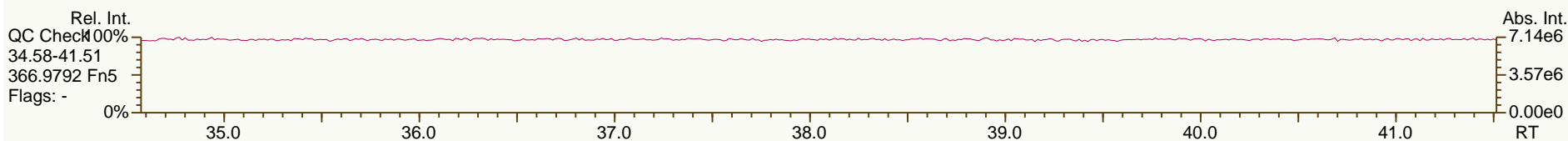
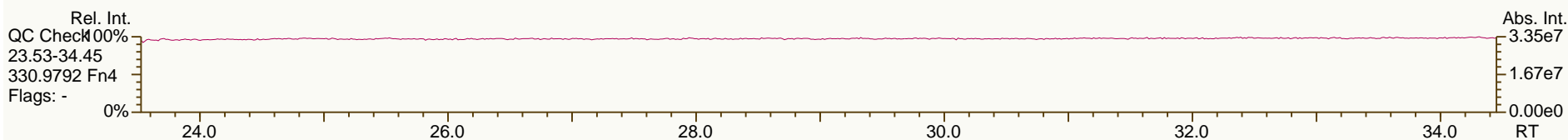
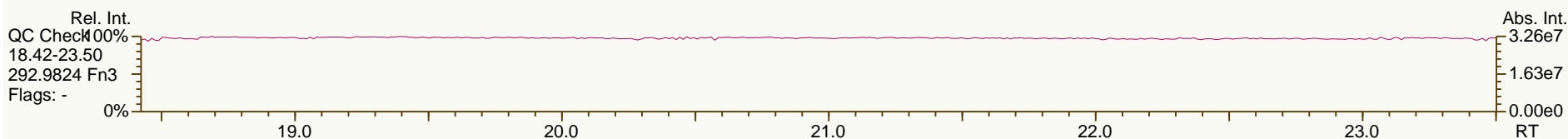
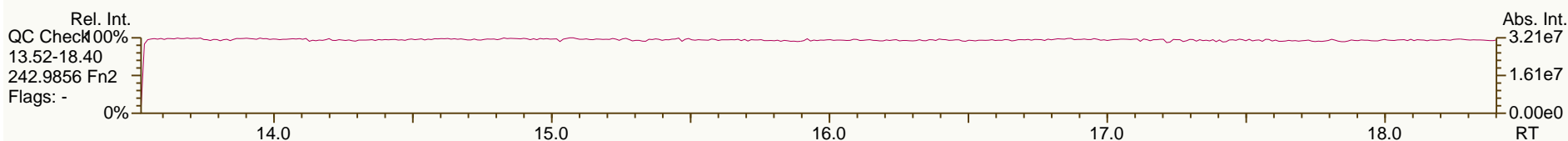
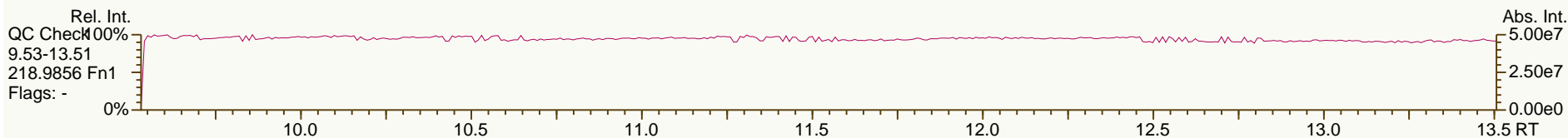
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.24	J C	1.1269	1.1268	-0.2	5.39E+04	1.26	0.73	1.84	8.40E+02	0.267
PCB-134 22'33'56"-HxCB	NotFnd		1.1326	-		0.00E+00		0.60	ND	8.40E+02	0.325
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00		0.70	ND	8.40E+02	0.281
PCB-139/140 ...-HxCB	NotFnd	C	1.1458	-		0.00E+00		0.75	ND	8.40E+02	0.261
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00		0.62	ND	8.40E+02	0.314
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.67	ND	8.40E+02	0.29
PCB-132 22'33'46"-HxCB	NotFnd		1.1655	-		0.00E+00		0.67	ND	8.40E+02	0.292
PCB-133 22'33'55"-HxCB	NotFnd		1.1826	-		0.00E+00		0.66	ND	8.40E+02	0.294
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.83	ND	8.40E+02	0.237
PCB-146 22'34'55"-HxCB	NotFnd		0.9550	-		0.00E+00		0.72	ND	8.40E+02	0.27
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.95	ND	8.40E+02	0.207
PCB-153/168 ...-HxCB	32.81	J C	0.9709	0.9702	-1.4	4.85E+04	1.31	0.89	1.37	8.40E+02	0.22
PCB-141 22'34'55"-HxCB	NotFnd		0.9746	-		0.00E+00		0.67	ND	8.40E+02	0.293
PCB-130 22'33'45"-HxCB	NotFnd		0.9847	-		0.00E+00		0.61	ND	8.40E+02	0.318
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9904	-		0.00E+00		0.72	ND	8.40E+02	0.271
PCB-164 233'4'5'6"-HxCB	NotFnd		0.9930	-		0.00E+00		0.93	ND	8.40E+02	0.21
PCB-163/138/129 ...-HxCB	33.84	J C	1.0012	1.0008	-0.8	6.02E+04	1.44	0.76	1.99	8.40E+02	0.258
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.91	ND	8.40E+02	0.214
PCB-158 233'44'6"-HxCB	NotFnd		1.0106	-		0.00E+00		0.96	ND	8.40E+02	0.204
PCB-128/166 ...-HxCB	NotFnd	C	0.9593	-		0.00E+00		0.90	ND	8.21E+02	0.204
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.06	ND	8.21E+02	0.174
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.09	ND	8.21E+02	0.168
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	9.04E+02	0.245
PCB-179 22'33'566"-HpCB	NotFnd		1.0089	-		0.00E+00		1.09	ND	9.04E+02	0.238
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.05	ND	9.04E+02	0.248
PCB-176 22'33'466"-HpCB	NotFnd		1.0324	-		0.00E+00		1.17	ND	9.04E+02	0.222
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.13	ND	9.04E+02	0.231
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0816	-		0.00E+00		0.82	ND	9.04E+02	0.318
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00		0.86	ND	9.34E+02	0.312
PCB-187 22'34'55'6"-HpCB	NotFnd		1.1057	-		0.00E+00		0.91	ND	9.34E+02	0.296
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.93	ND	9.34E+02	0.289
PCB-183 22'344'5'6"-HpCB	NotFnd		1.1219	-		0.00E+00		1.00	ND	9.34E+02	0.269
PCB-185 22'3455'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.84	ND	9.34E+02	0.321
PCB-174 22'33'456"-HpCB	NotFnd		1.1276	-		0.00E+00		0.77	ND	9.34E+02	0.35
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1393	-		0.00E+00		0.77	ND	9.34E+02	0.35
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.90	ND	9.34E+02	0.3
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00		0.80	ND	9.34E+02	0.335
PCB-172 22'33'455"-HpCB	NotFnd		0.9003	-		0.00E+00		0.72	ND	9.34E+02	0.242
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.91	ND	9.34E+02	0.191
PCB-180/193 ...-HpCB	NotFnd	C	0.9127	-		0.00E+00		0.84	ND	9.34E+02	0.206
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00		0.94	ND	9.34E+02	0.185
PCB-170 22'33'44'5"-HpCB	NotFnd		0.9380	-		0.00E+00		0.70	ND	9.34E+02	0.249
PCB-190 233'44'56"-HpCB	NotFnd		0.9486	-		0.00E+00		0.91	ND	9.34E+02	0.19
PCB-202 22'33'55'66"-OocCB	NotFnd		1.0006	-		0.00E+00		0.83	ND	7.79E+02	0.232
PCB-201 22'33'45'66"-OocCB	NotFnd		1.0221	-		0.00E+00		0.95	ND	7.79E+02	0.203

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	7.79E+02	0.212
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		0.88	ND	7.79E+02	0.217
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.84	ND	7.79E+02	0.229
PCB-198/199 ...-OcCB	NotFnd	C	1.1102	-		0.00E+00		0.67	ND	7.79E+02	0.284
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1260	-		0.00E+00		0.68	ND	7.79E+02	0.28
PCB-203 22'344'55'6-OcCB	NotFnd		1.1306	-		0.00E+00		0.72	ND	7.79E+02	0.266
PCB-195 22'33'44'56-OcCB	NotFnd		0.9469	-		0.00E+00		0.66	ND	7.06E+02	0.267
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9915	-		0.00E+00		0.72	ND	7.06E+02	0.242
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	7.06E+02	0.161
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.98	ND	7.55E+02	0.221
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		0.99	ND	7.55E+02	0.218
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.93	ND	7.55E+02	0.265

AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

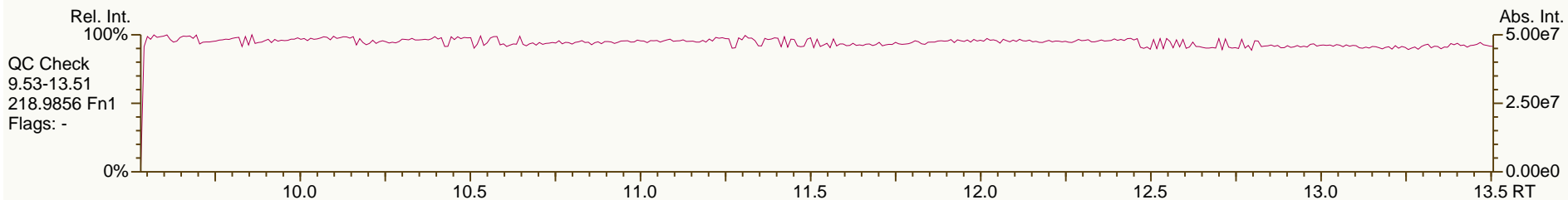
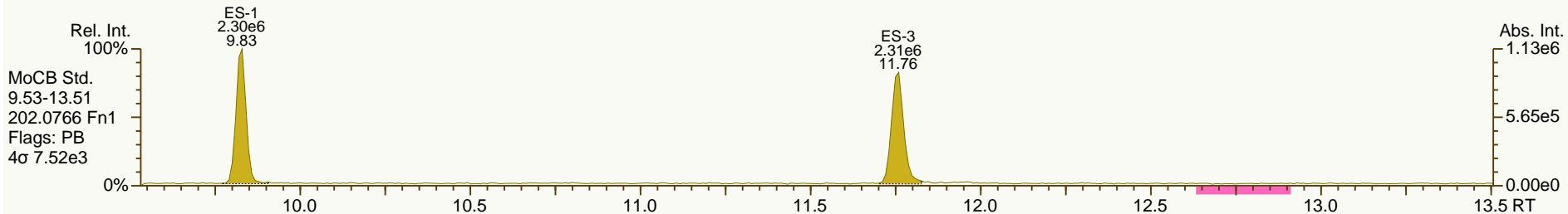
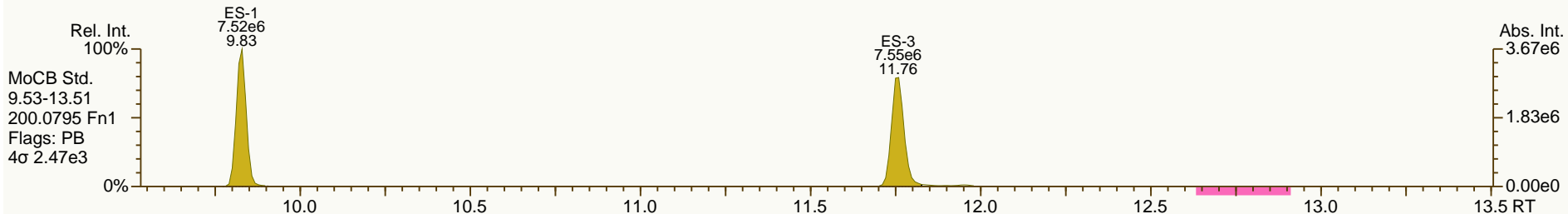
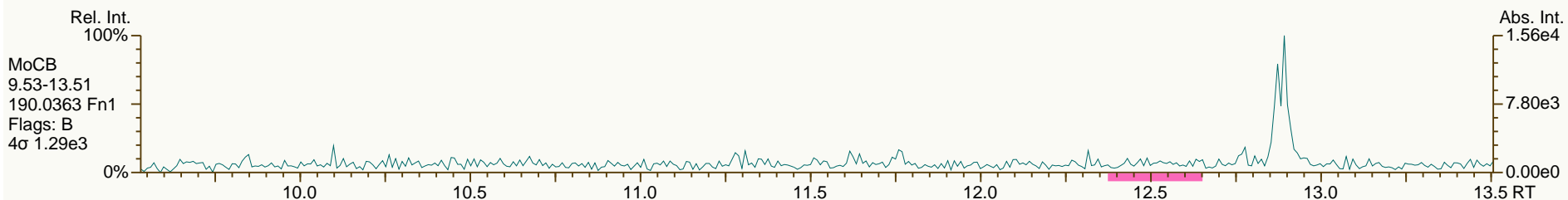
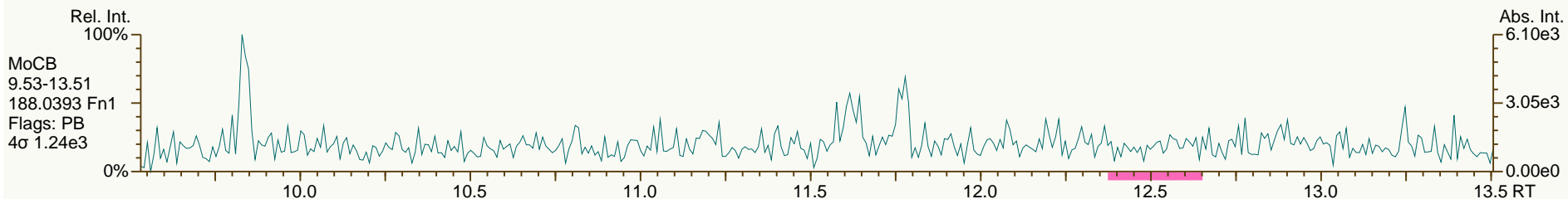
Acq: 03-Jul-2012 17:07:28
User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

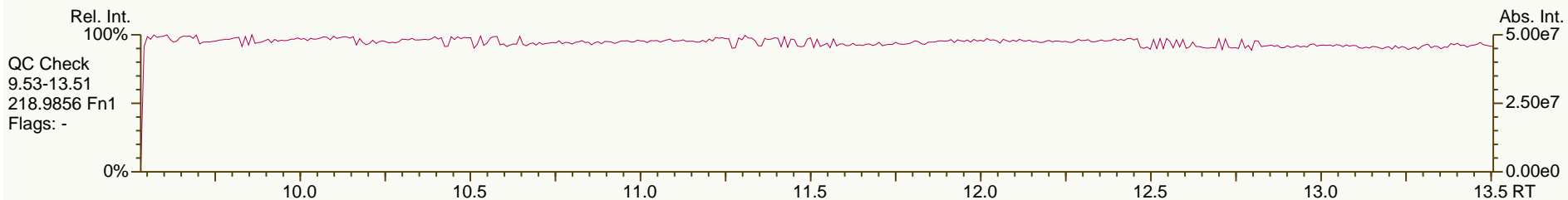
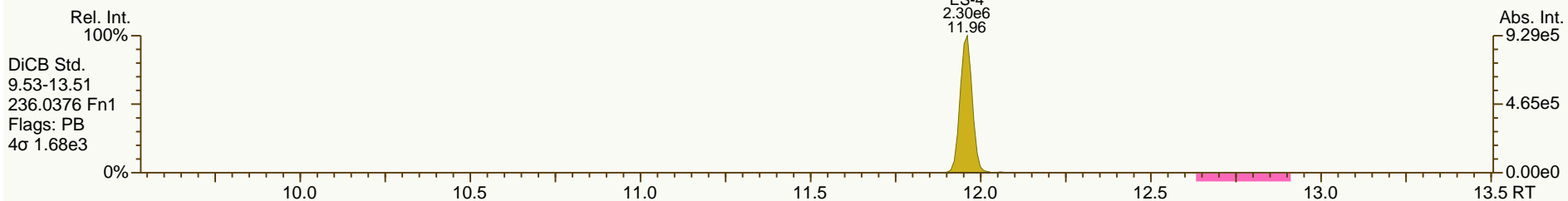
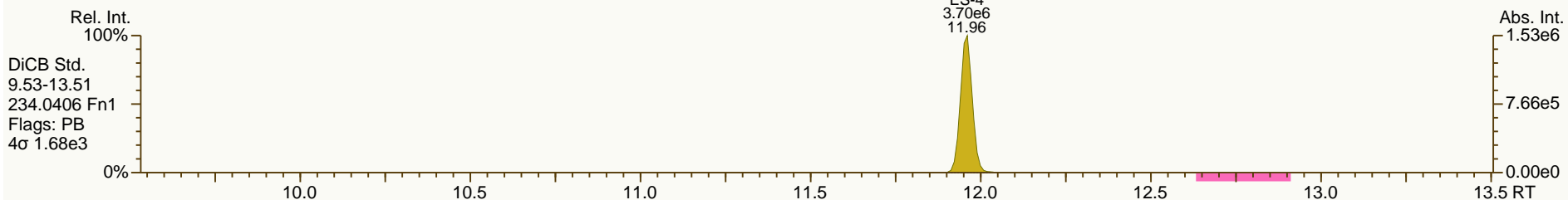
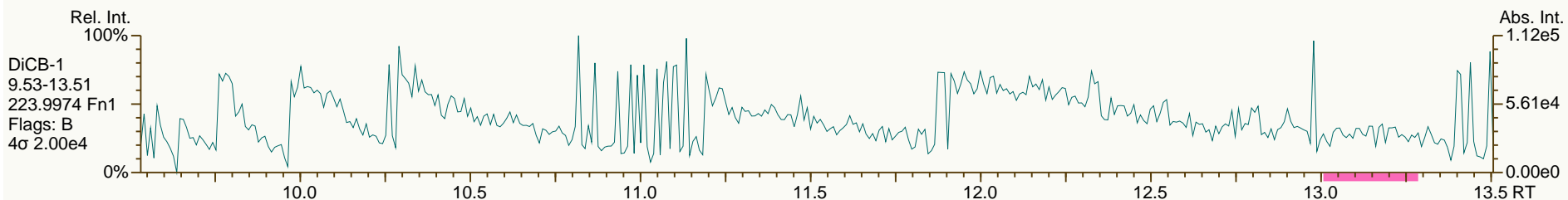
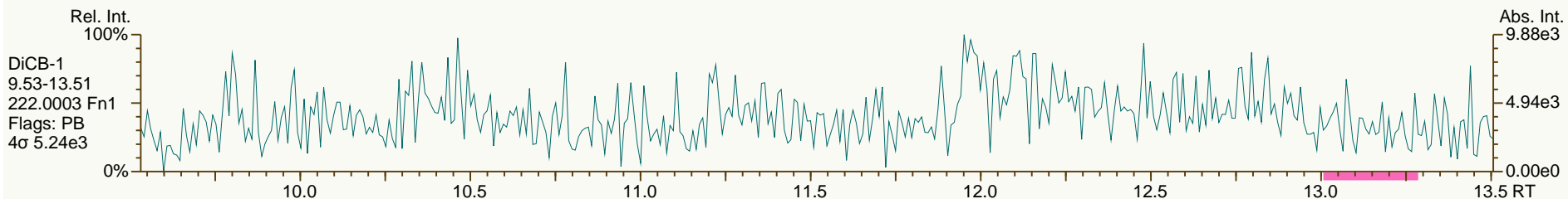
Acq: 03-Jul-2012 17:07:28
 User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

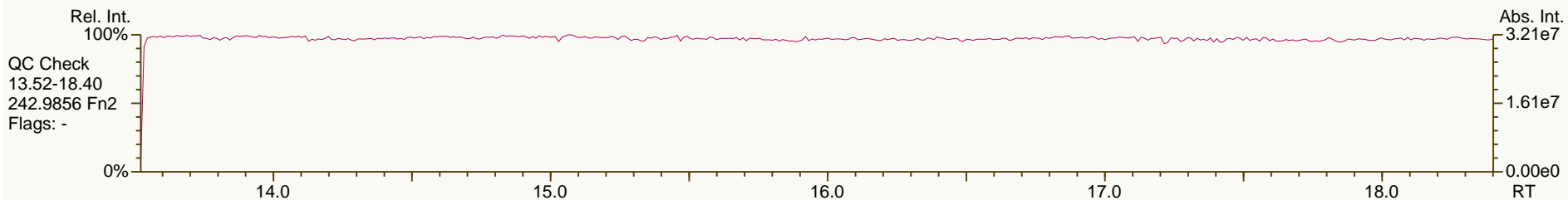
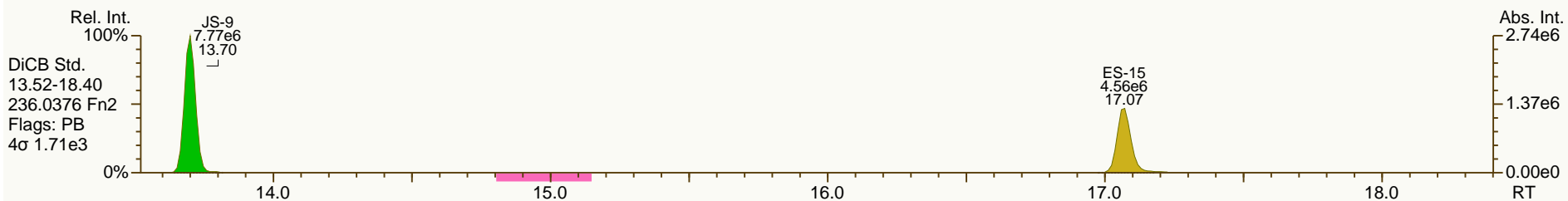
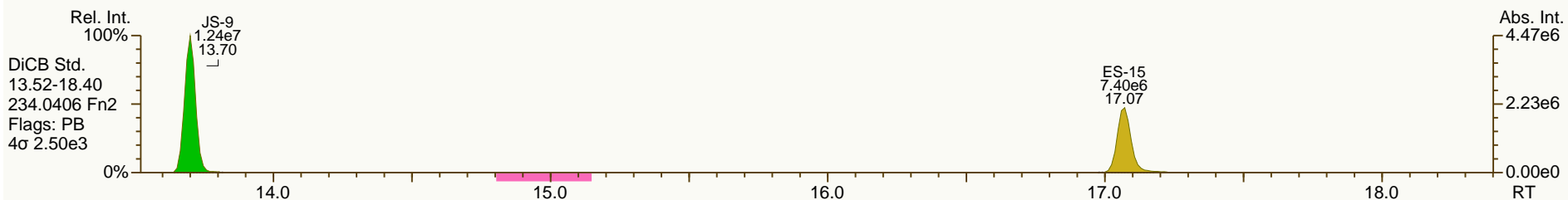
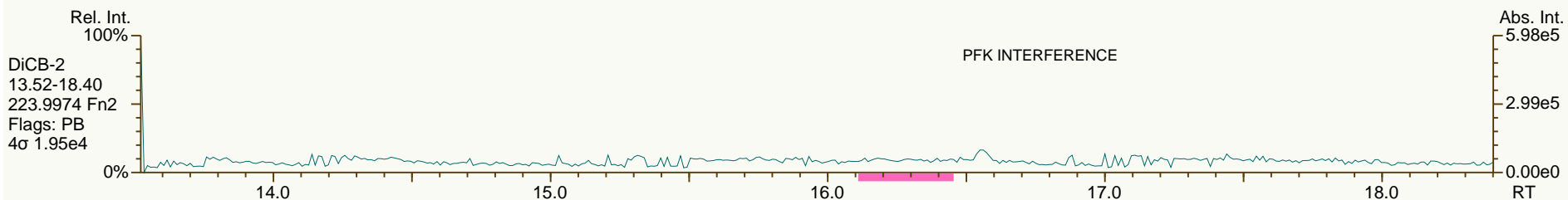
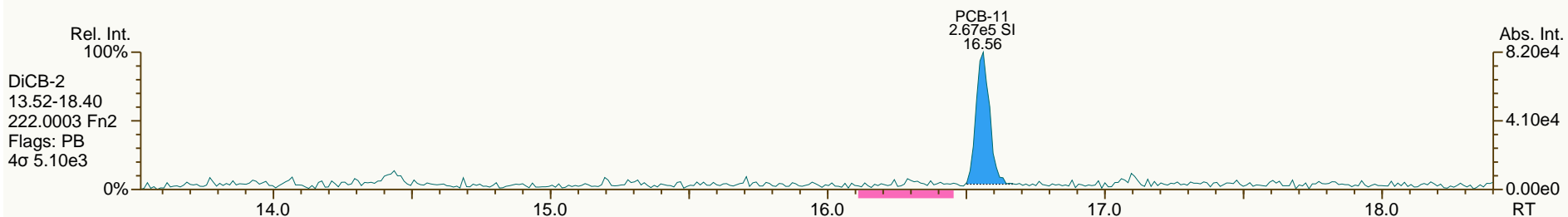
Acq: 03-Jul-2012 17:07:28
 User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

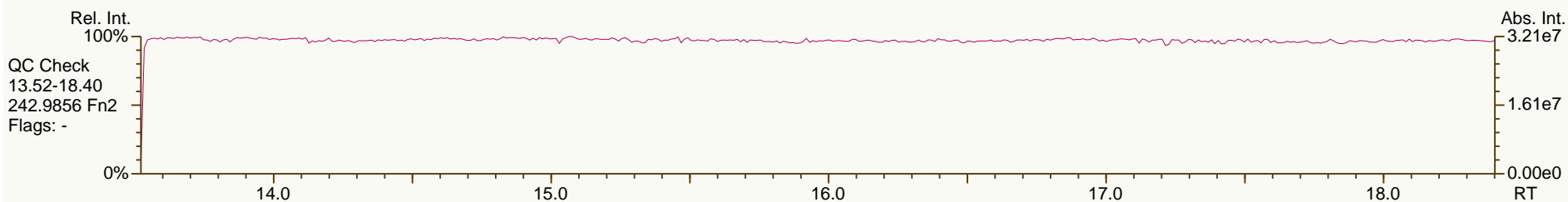
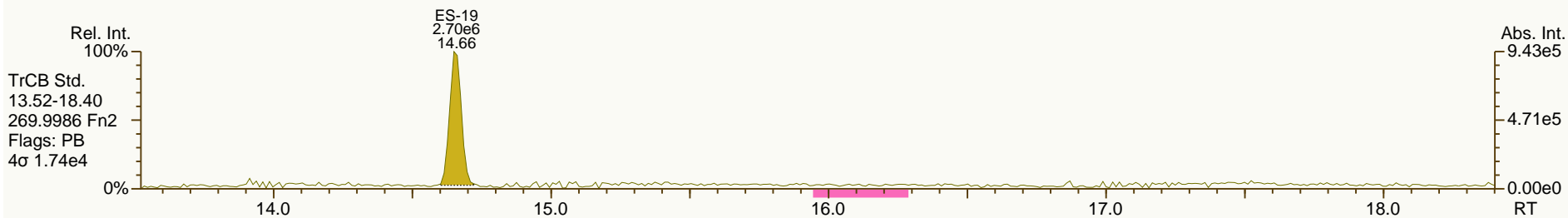
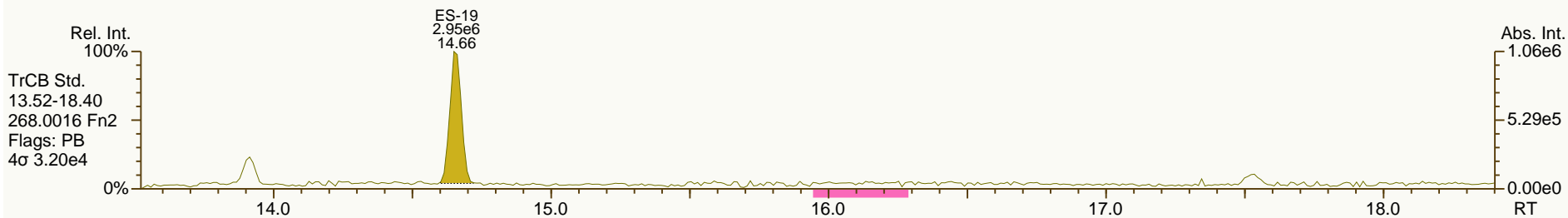
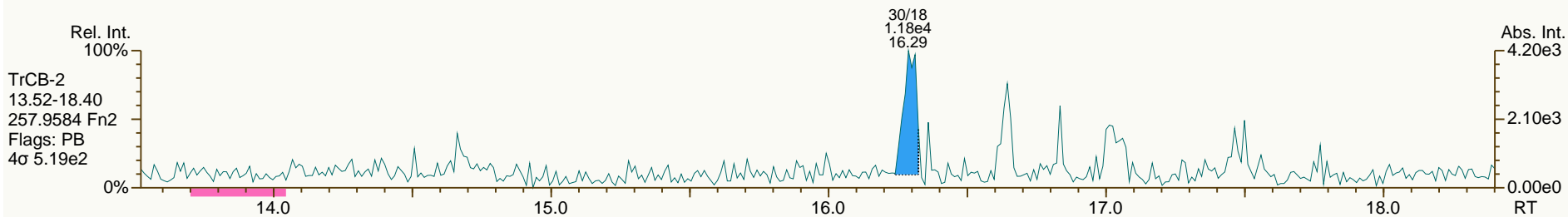
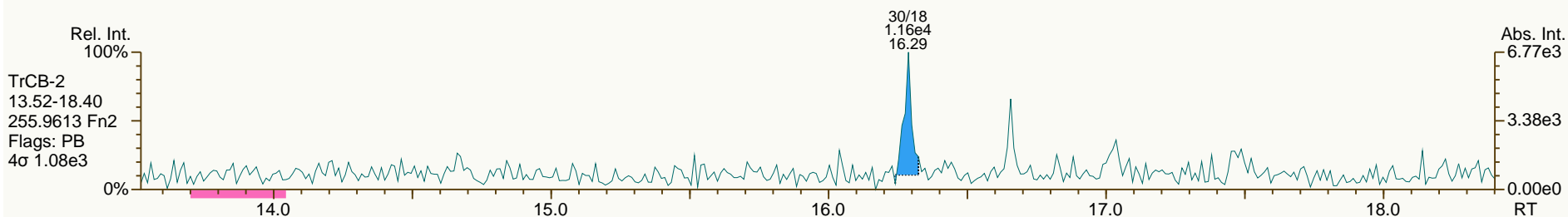
Acq: 03-Jul-2012 17:07:28
 User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

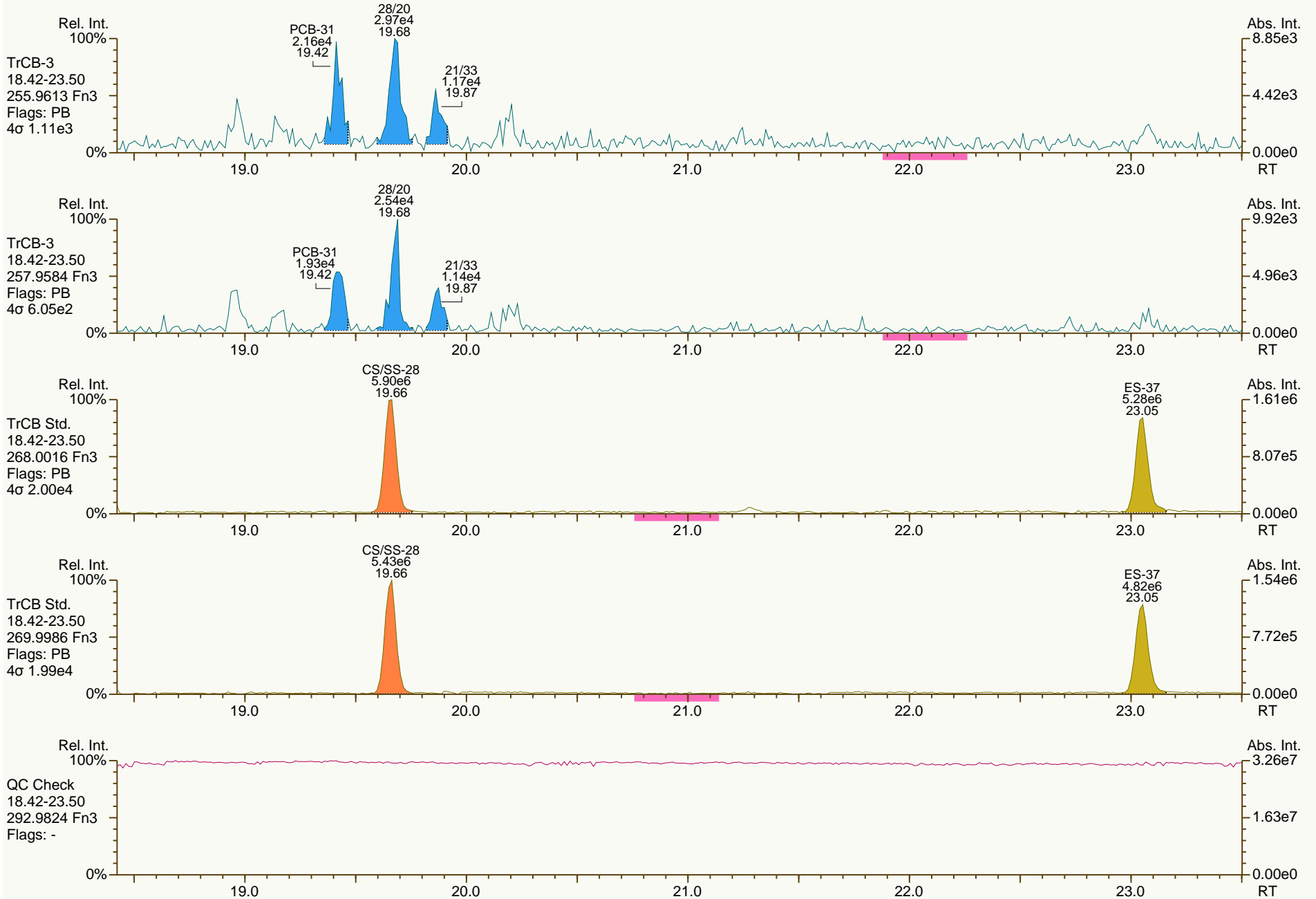
Acq: 03-Jul-2012 17:07:28
User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

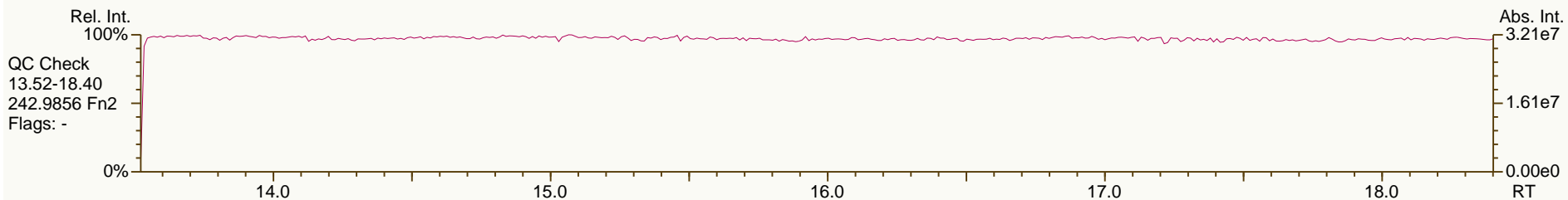
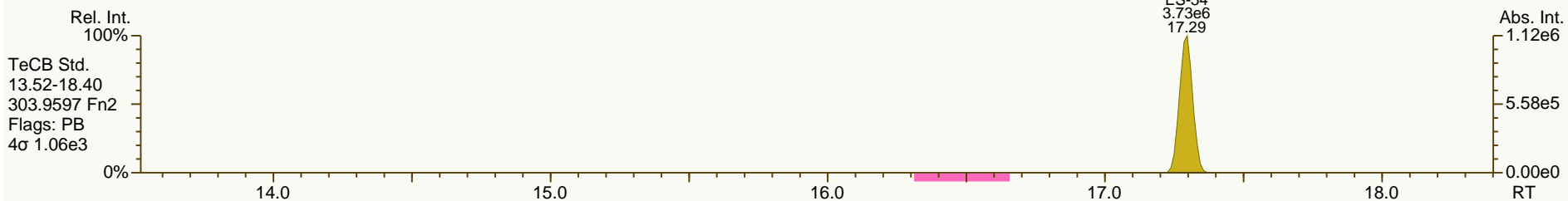
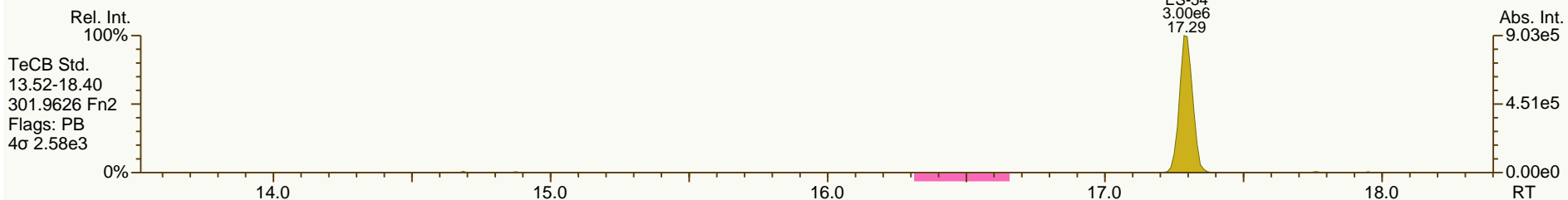
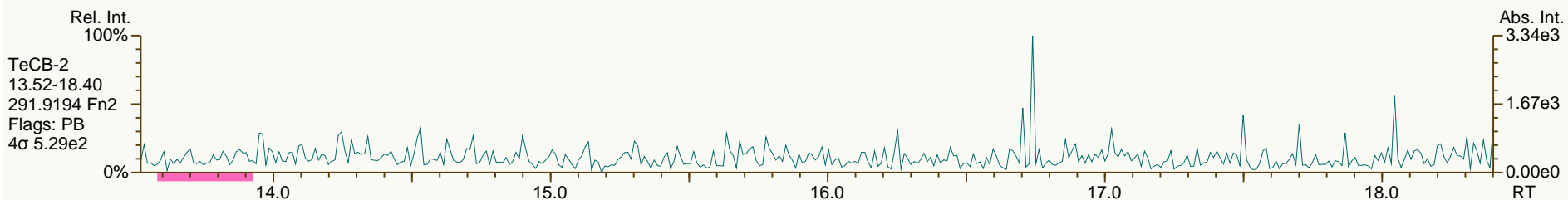
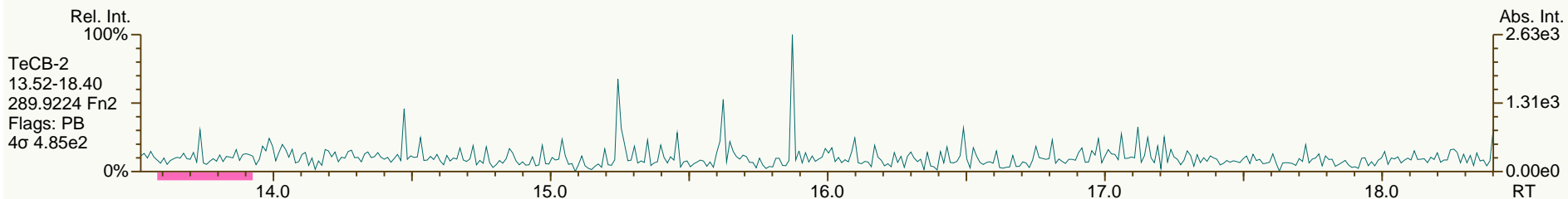
Acq: 03-Jul-2012 17:07:28
 User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

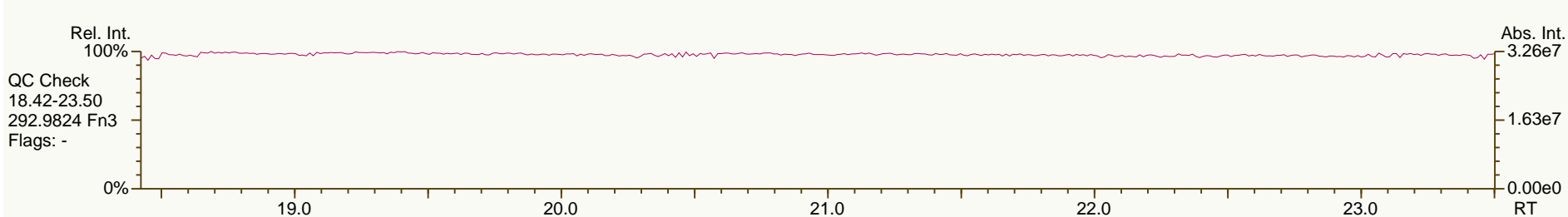
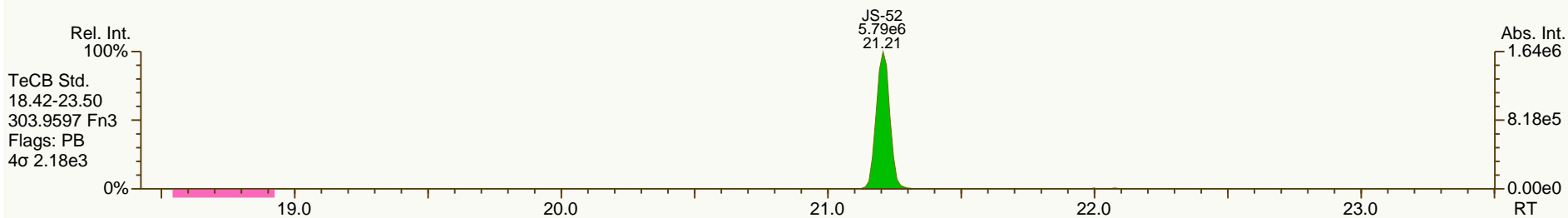
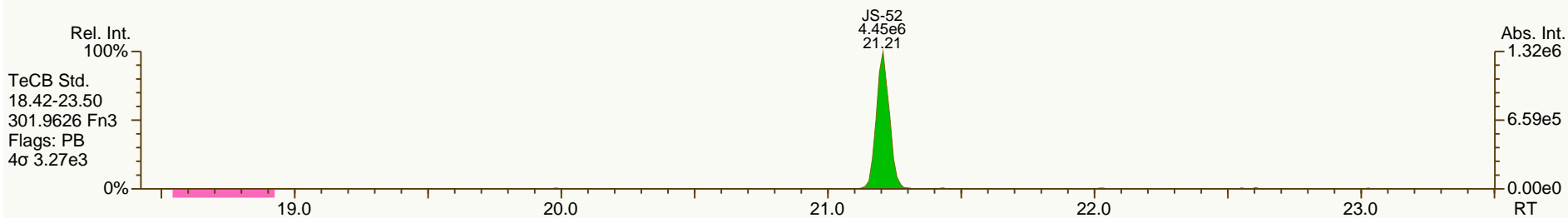
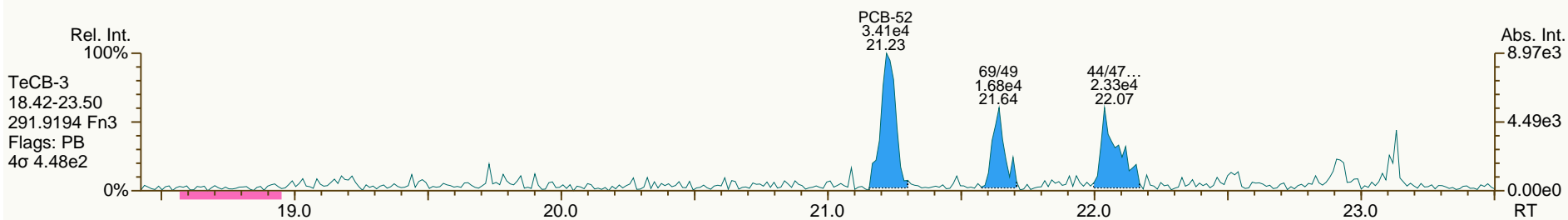
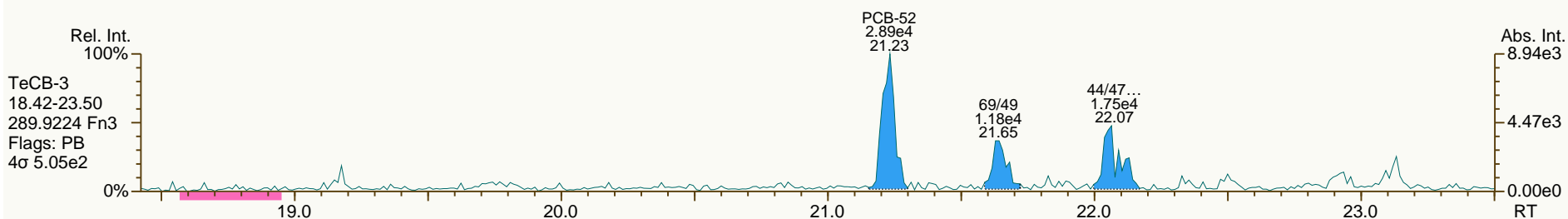
Acq: 03-Jul-2012 17:07:28
 User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

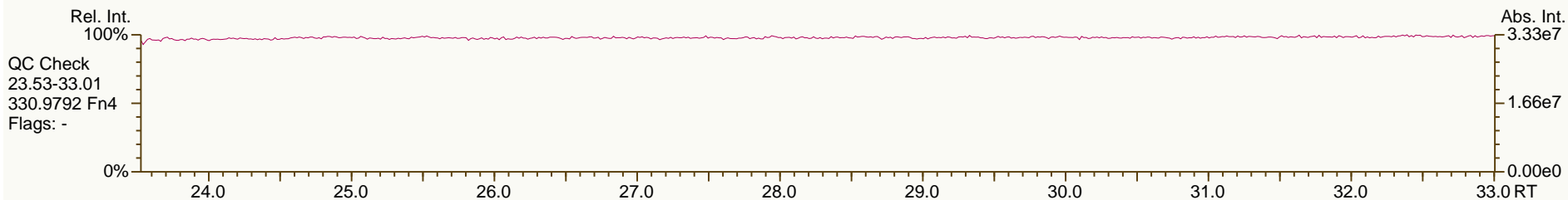
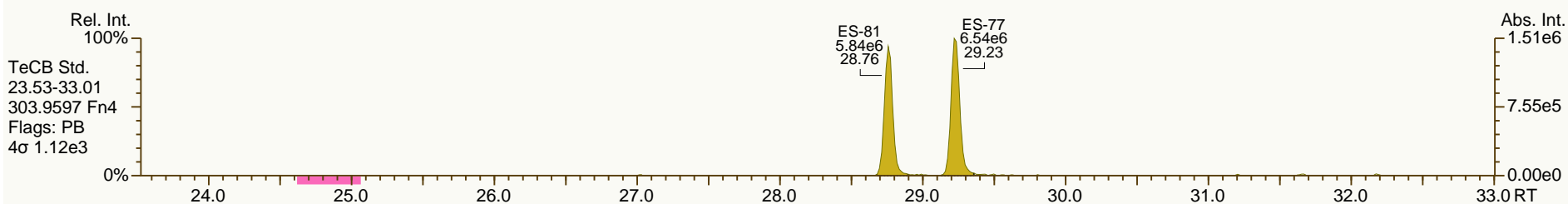
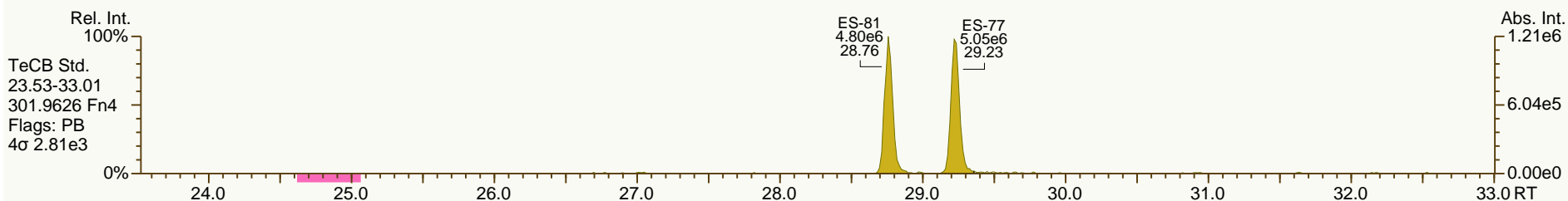
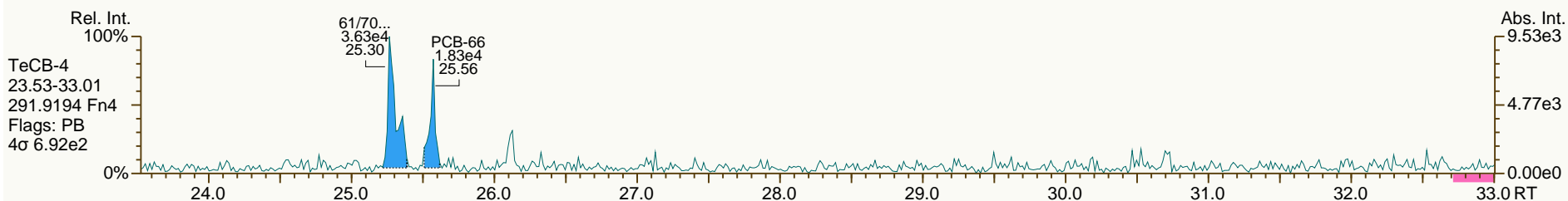
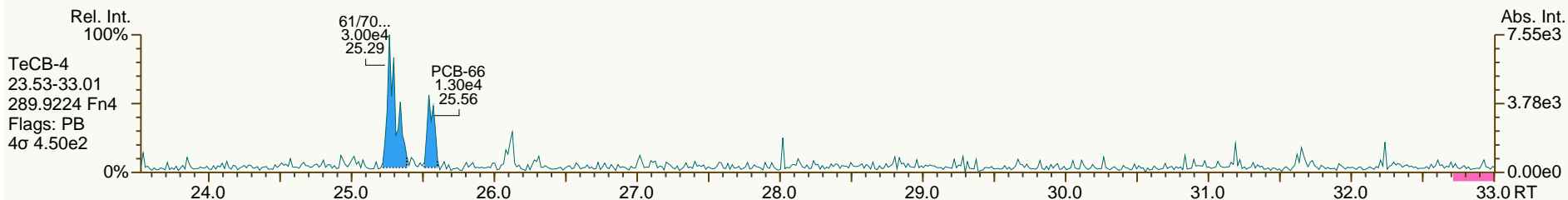
Acq: 03-Jul-2012 17:07:28
User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

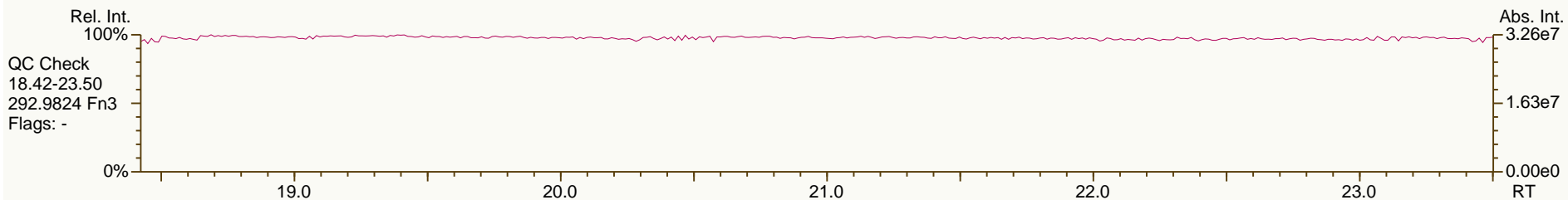
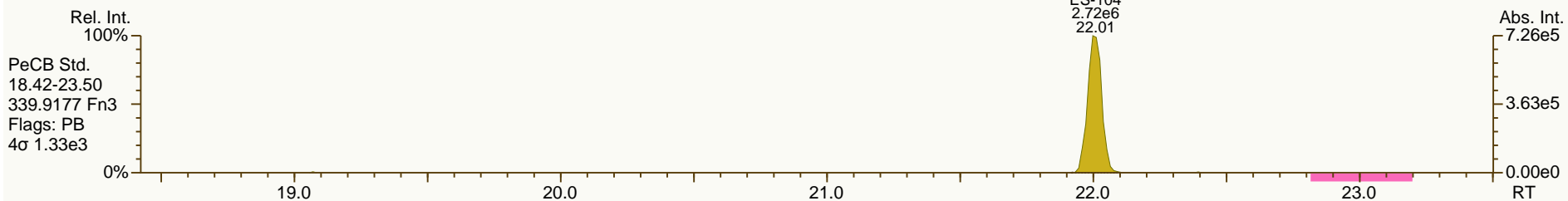
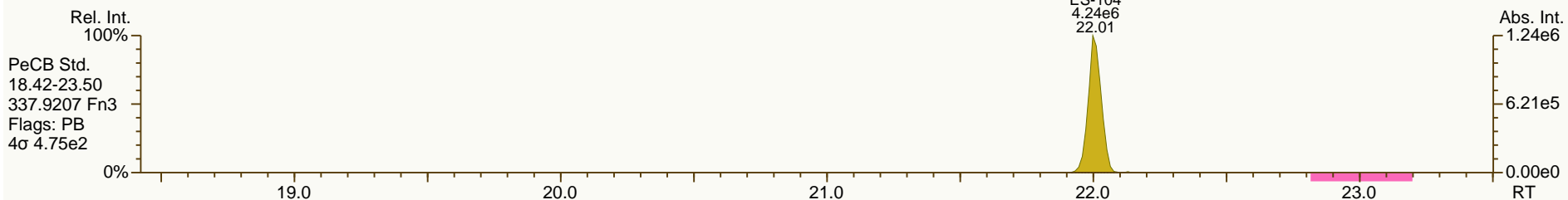
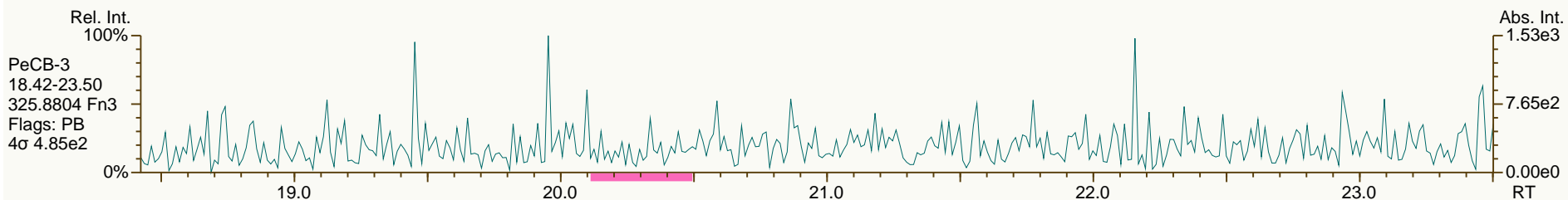
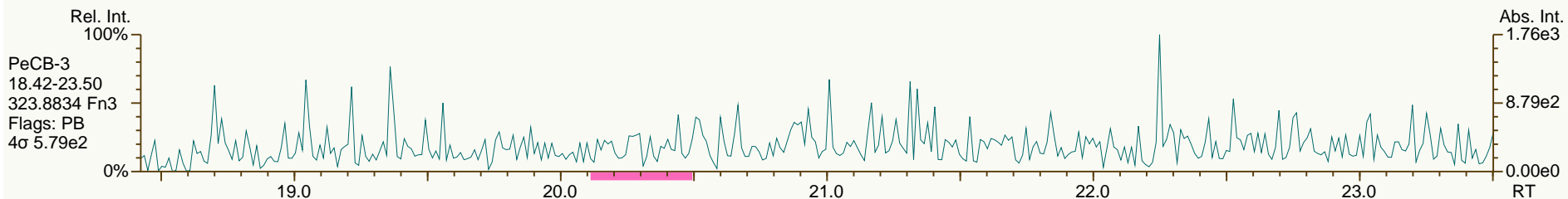
Acq: 03-Jul-2012 17:07:28
User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

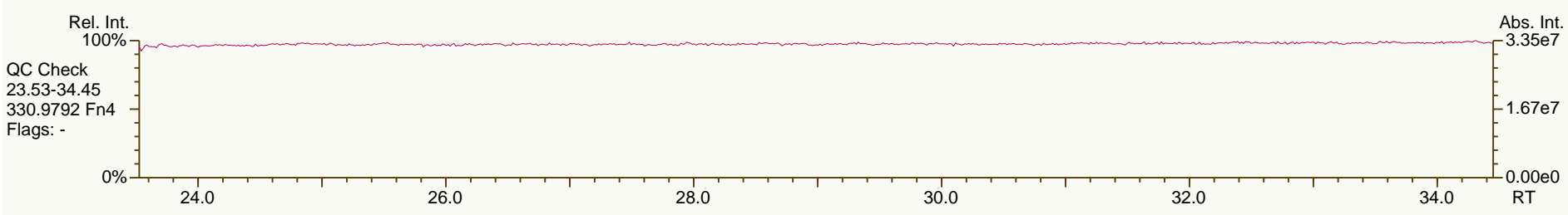
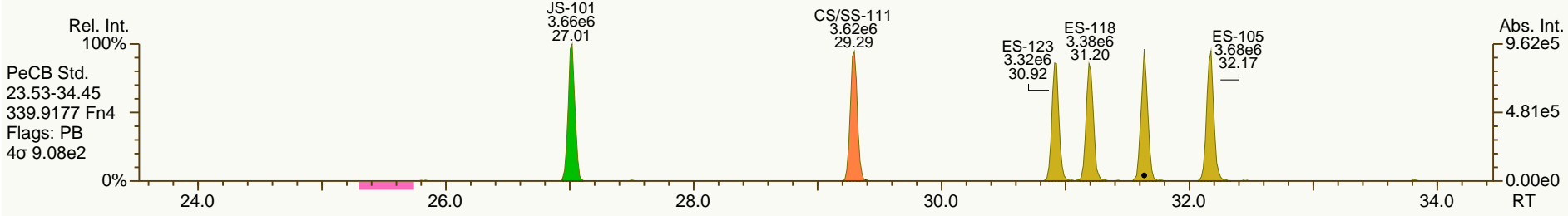
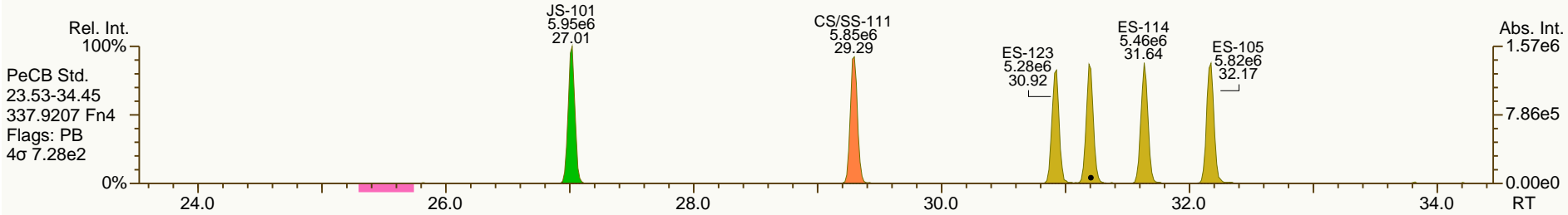
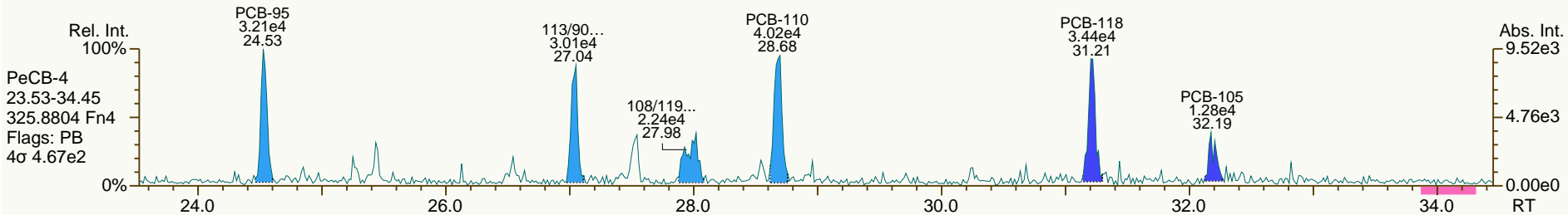
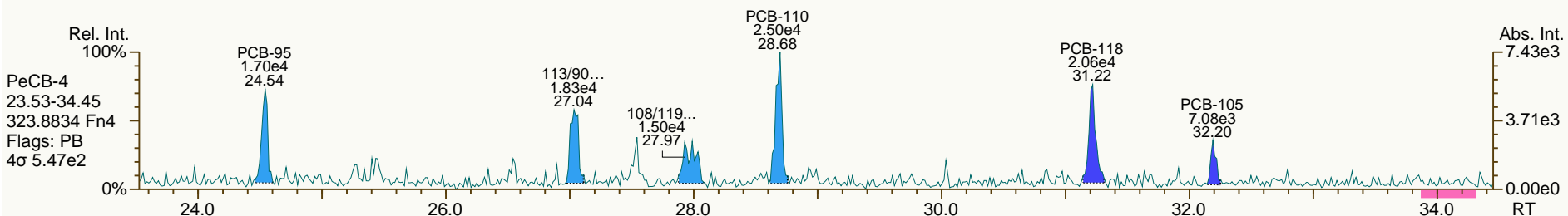
Acq: 03-Jul-2012 17:07:28
 User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
 VSIR El+: pcb-2011-08 GC: pcb90_b Vial: 19

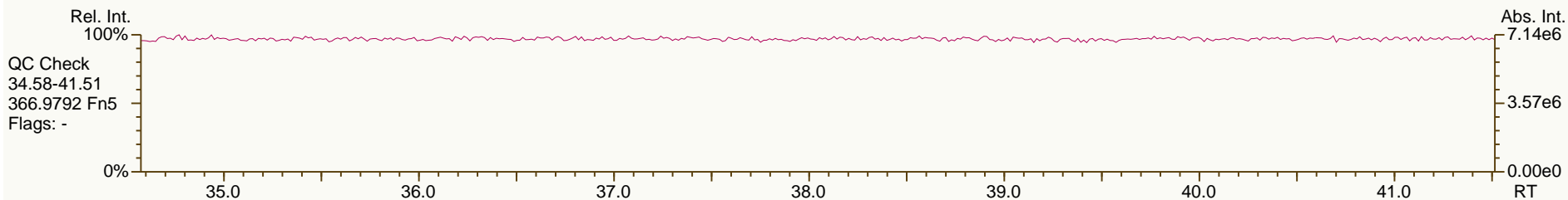
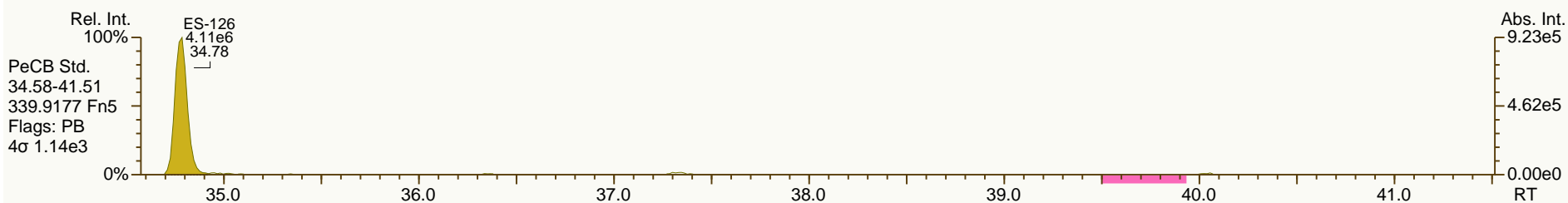
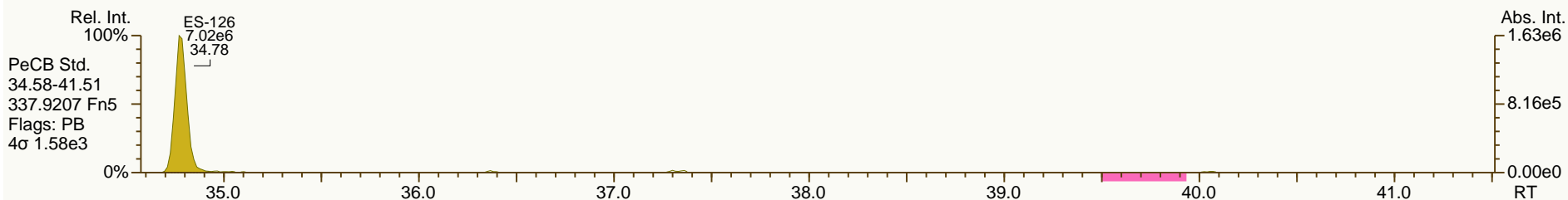
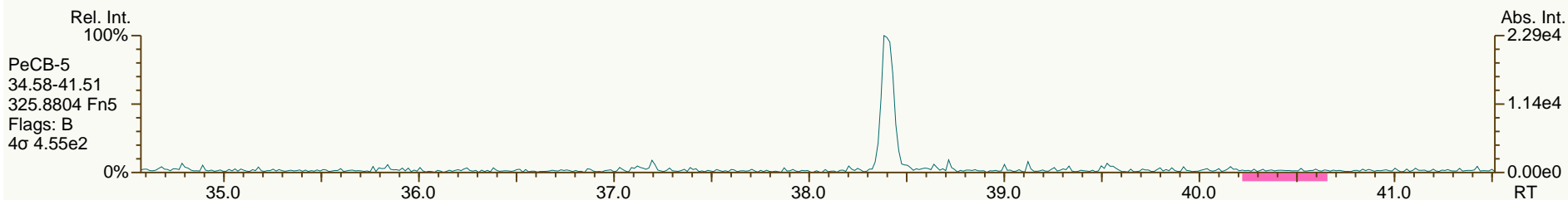
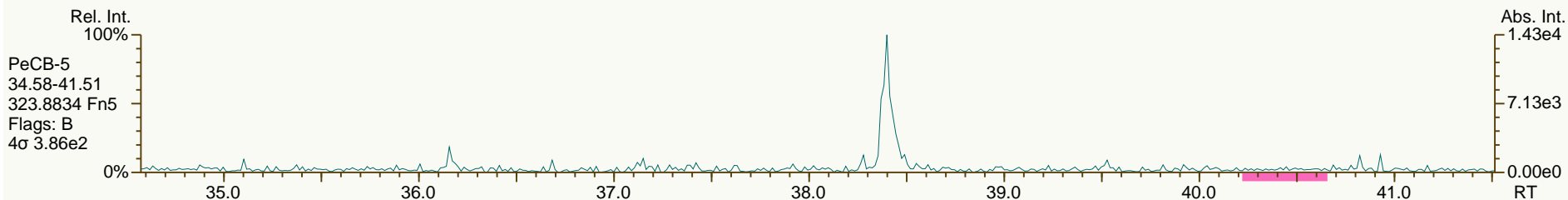
Acq: 03-Jul-2012 17:07:28
 User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

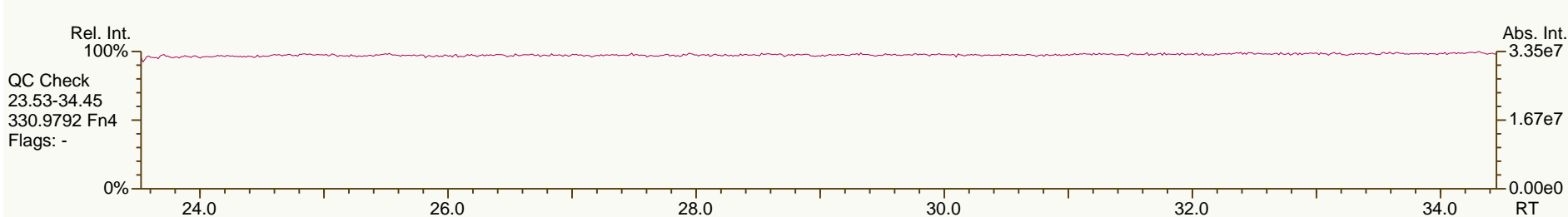
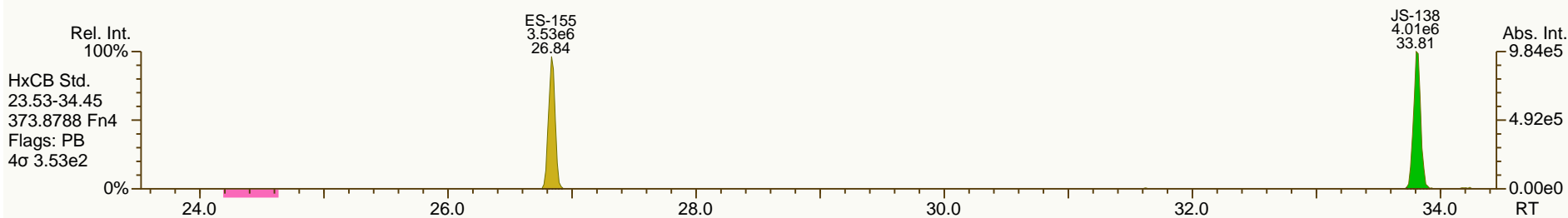
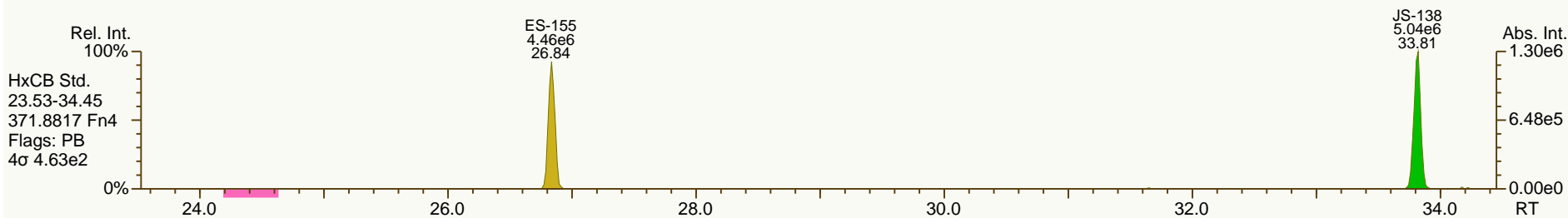
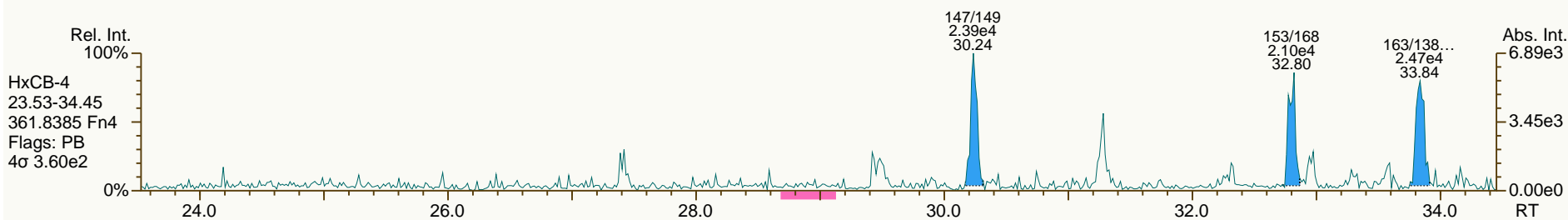
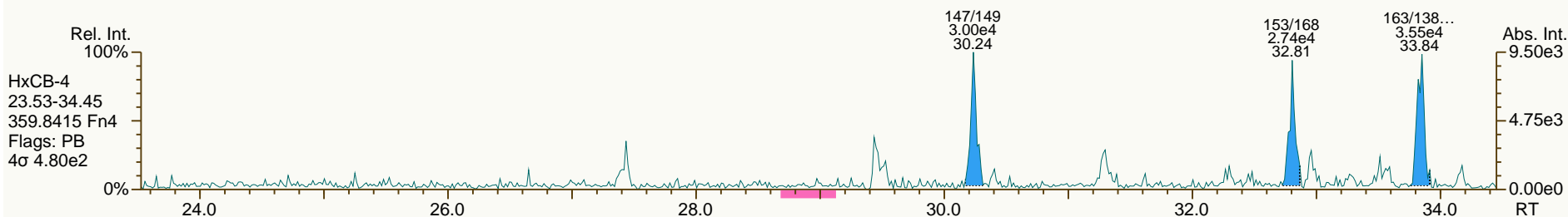
Acq: 03-Jul-2012 17:07:28
User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

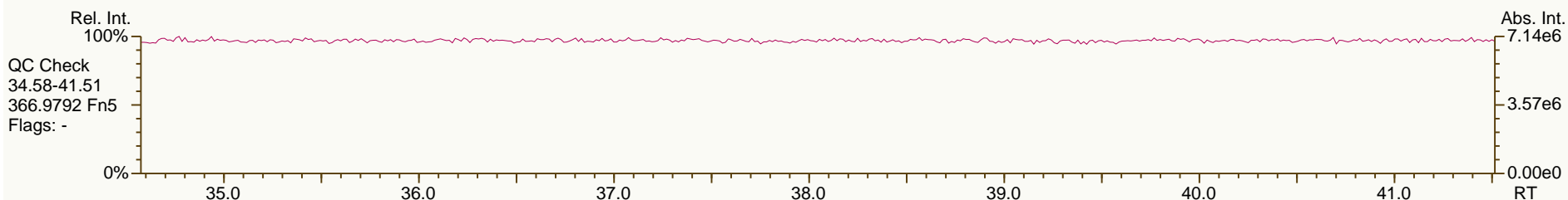
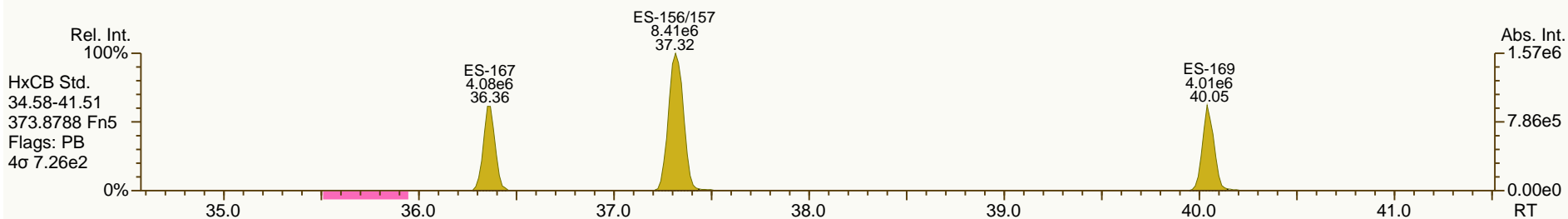
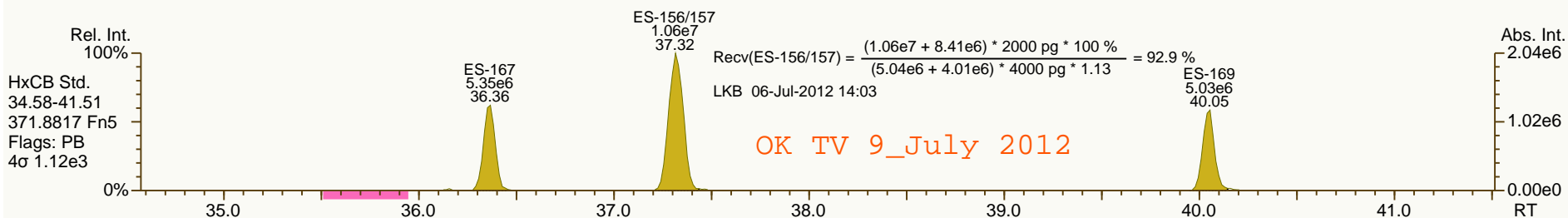
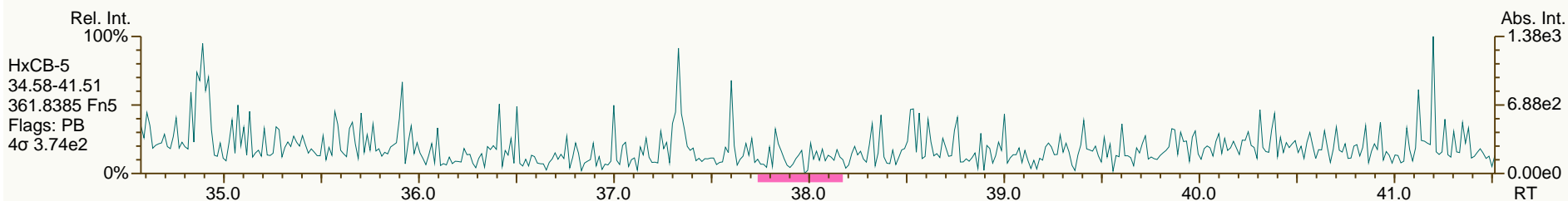
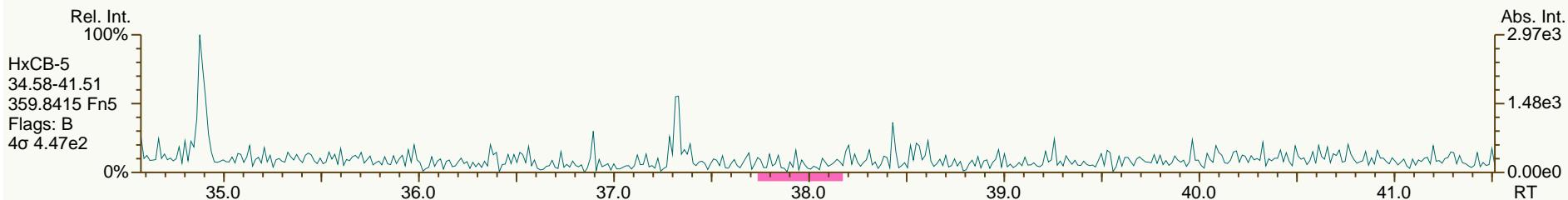
Acq: 03-Jul-2012 17:07:28
User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

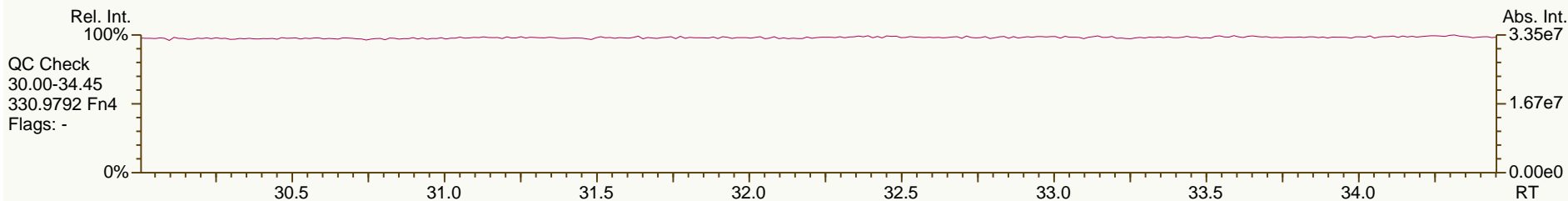
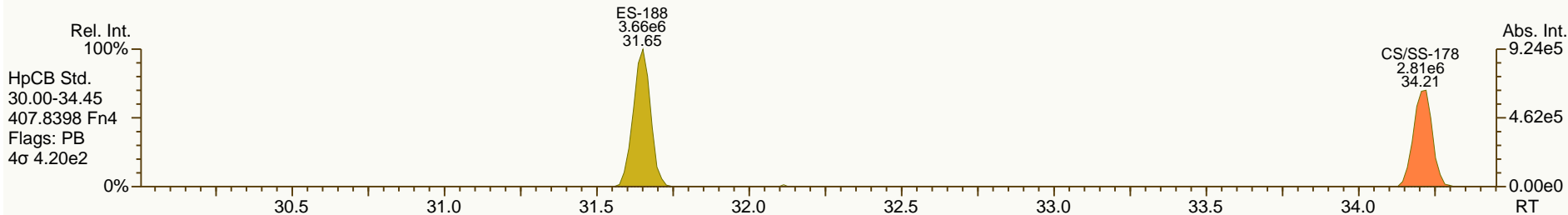
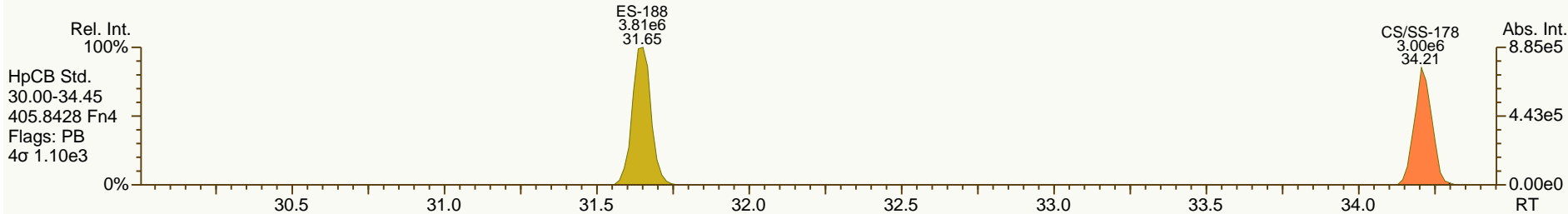
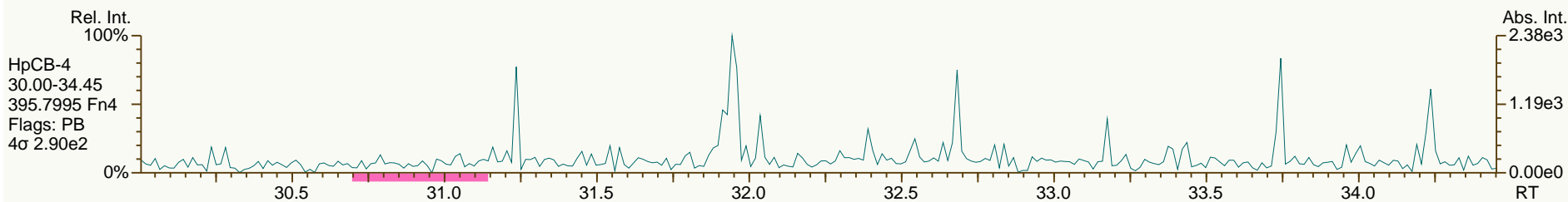
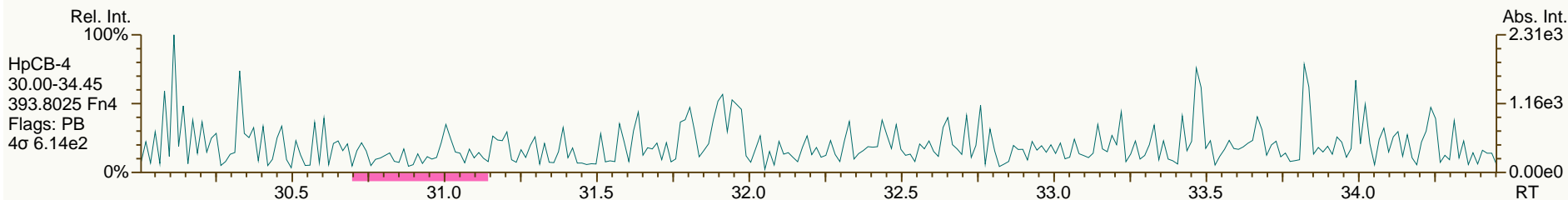
Acq: 03-Jul-2012 17:07:28
User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

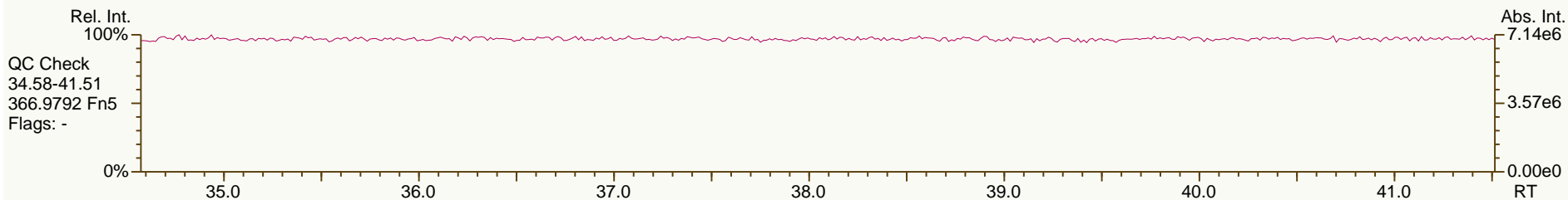
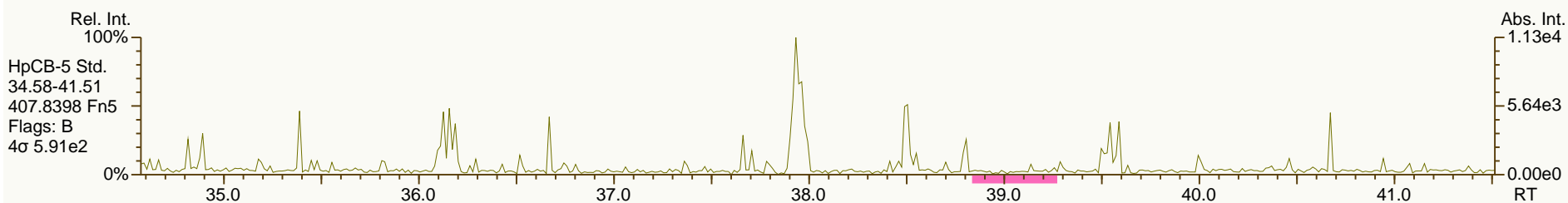
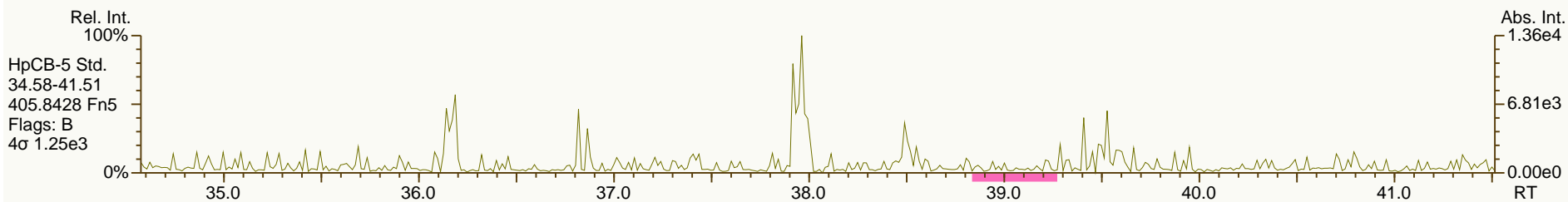
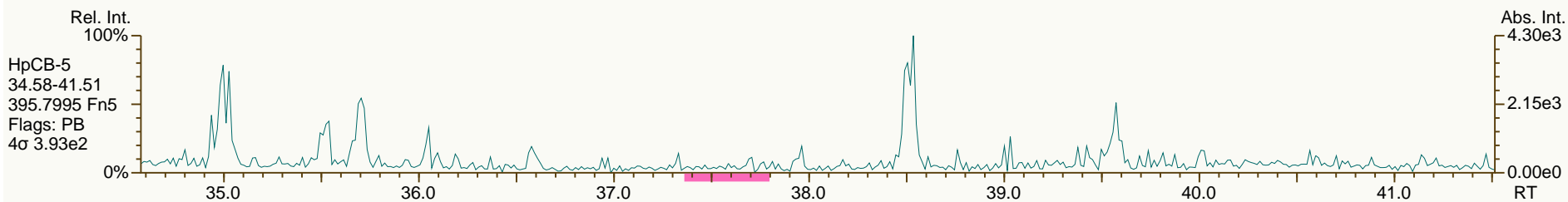
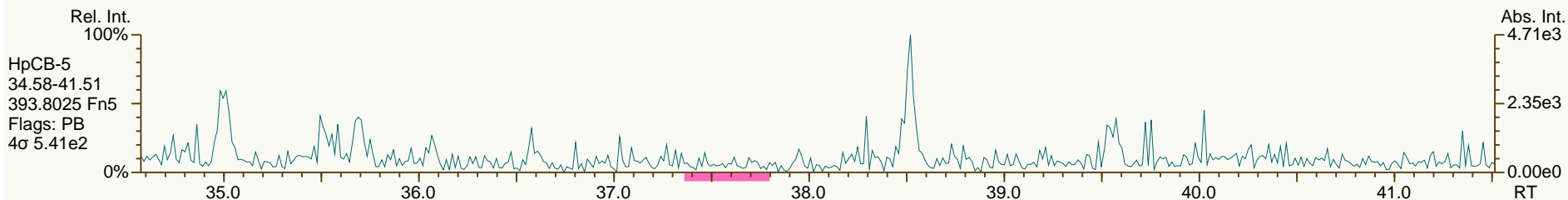
Acq: 03-Jul-2012 17:07:28
User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

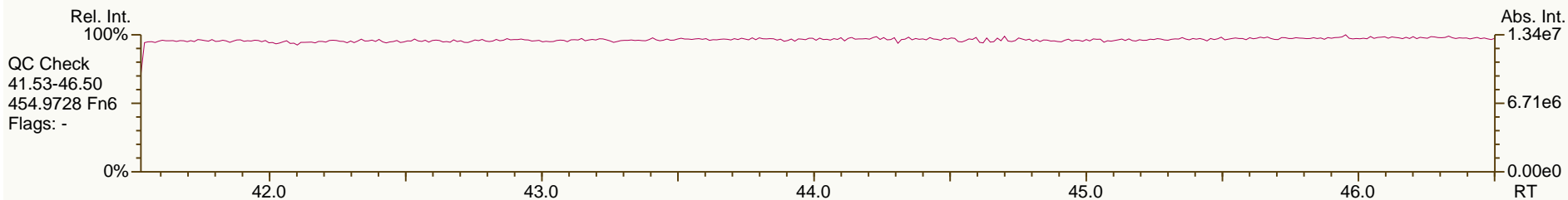
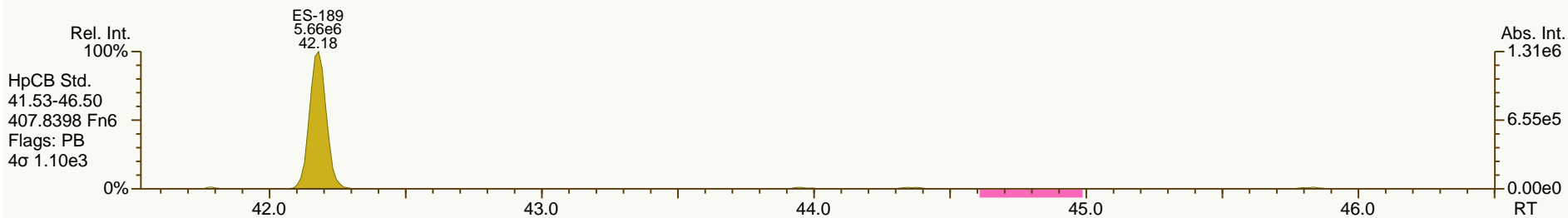
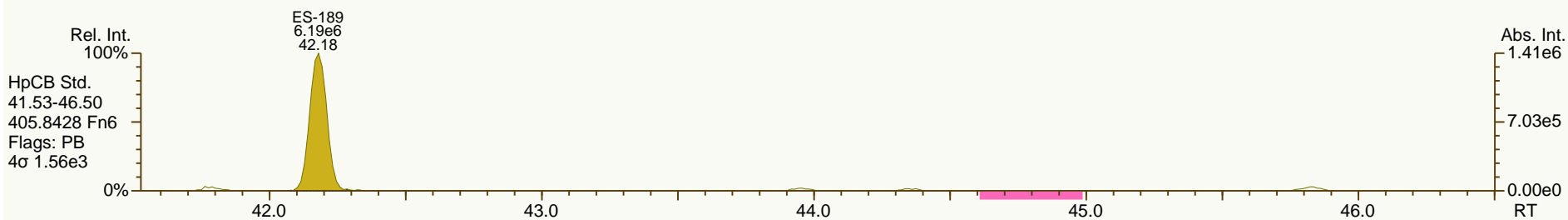
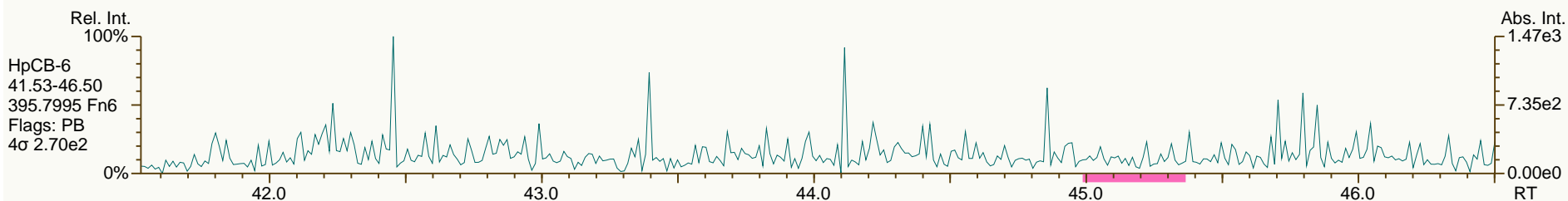
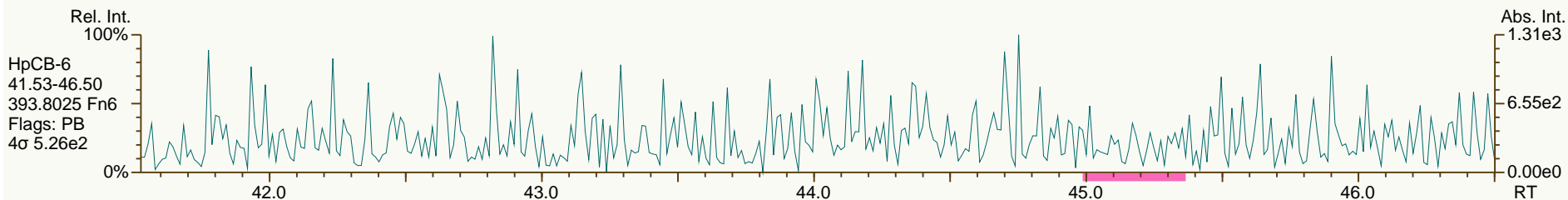
Acq: 03-Jul-2012 17:07:28
User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

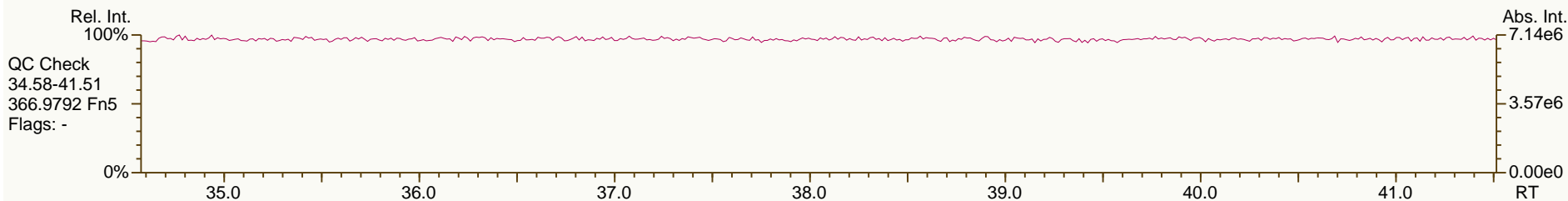
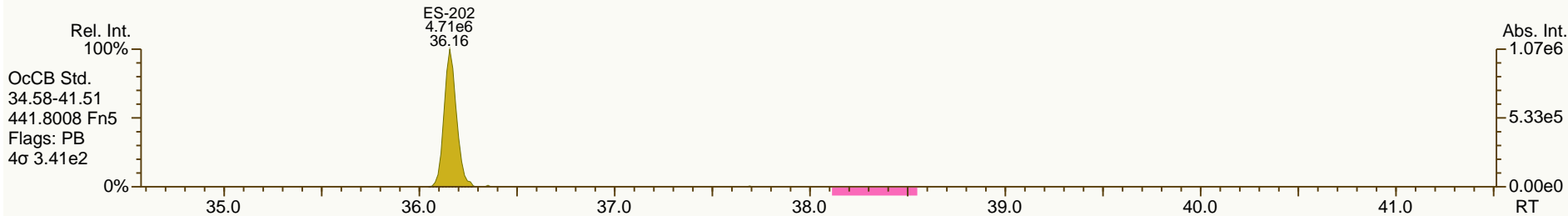
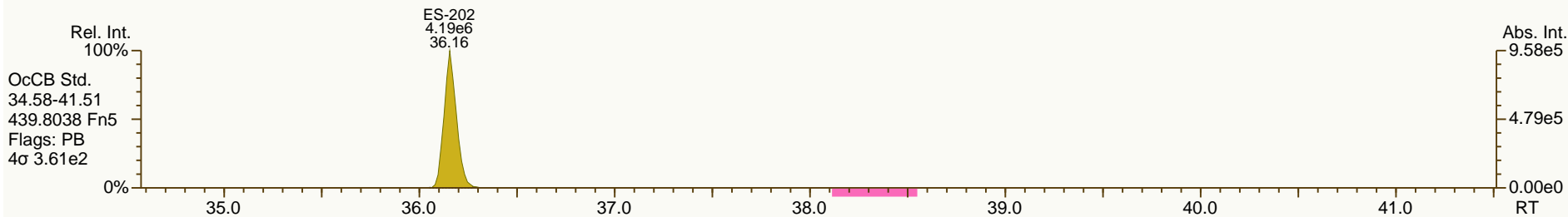
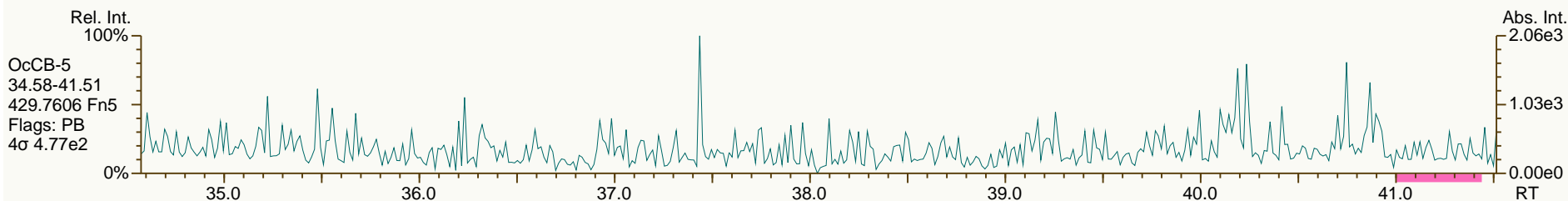
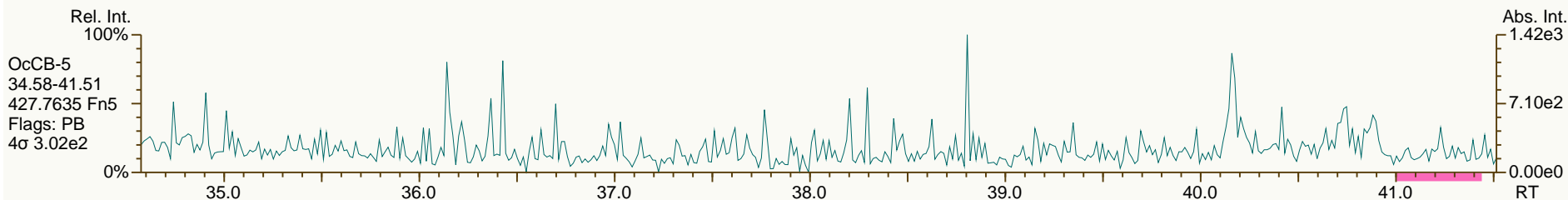
Acq: 03-Jul-2012 17:07:28
User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

Acq: 03-Jul-2012 17:07:28
User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

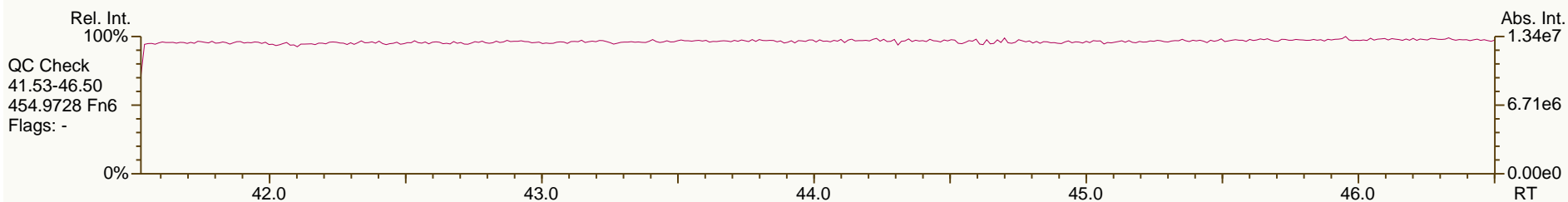
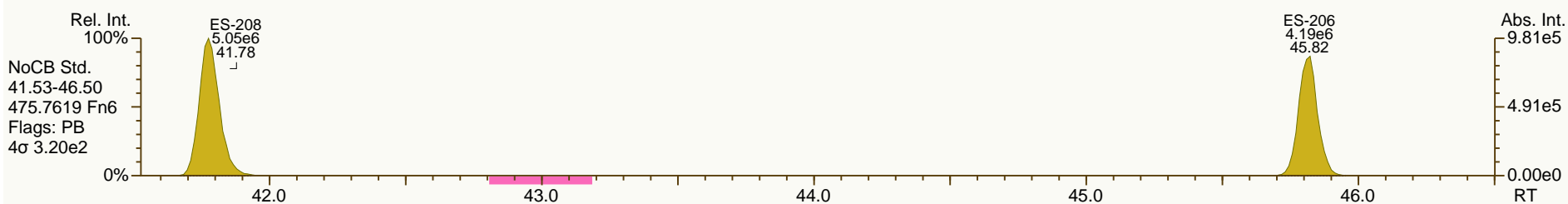
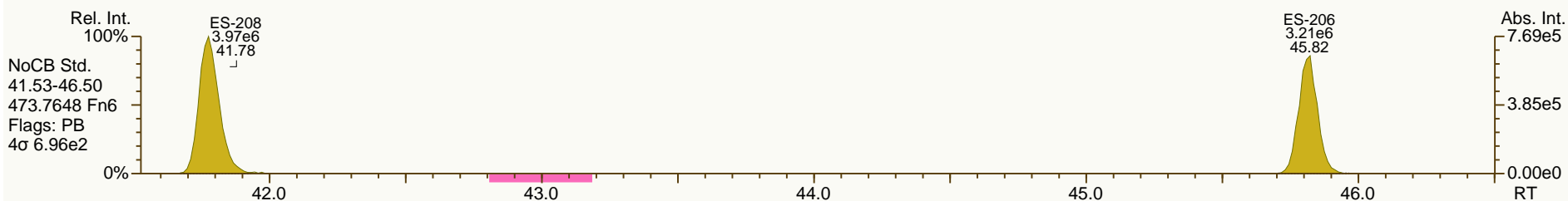
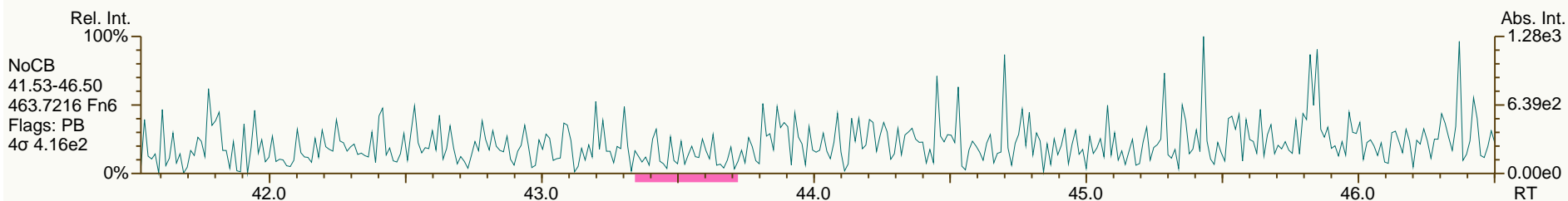
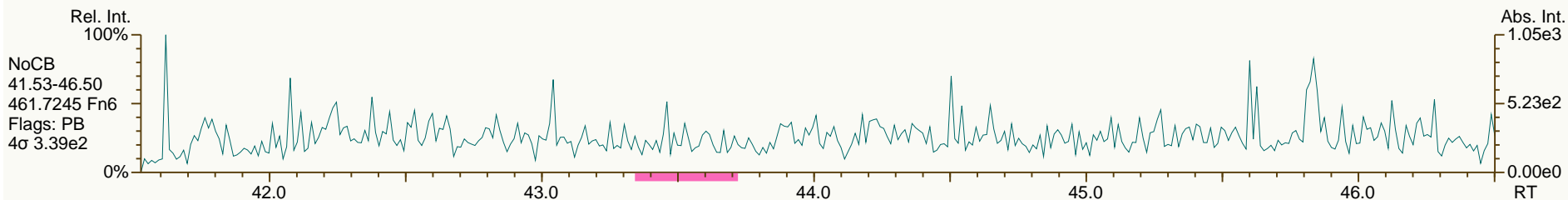
Acq: 03-Jul-2012 17:07:28
User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

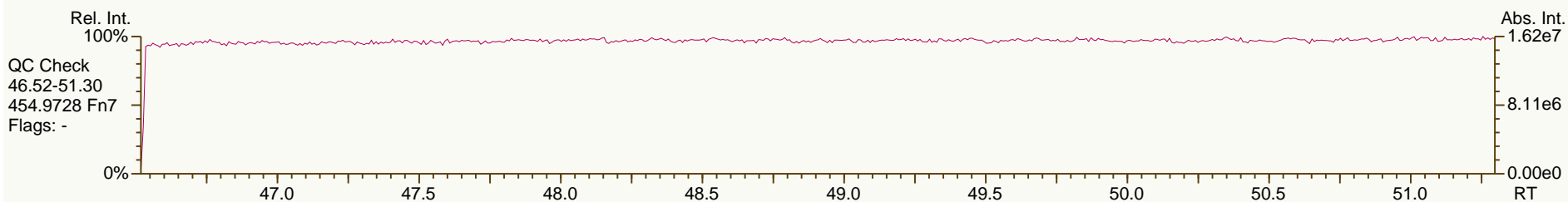
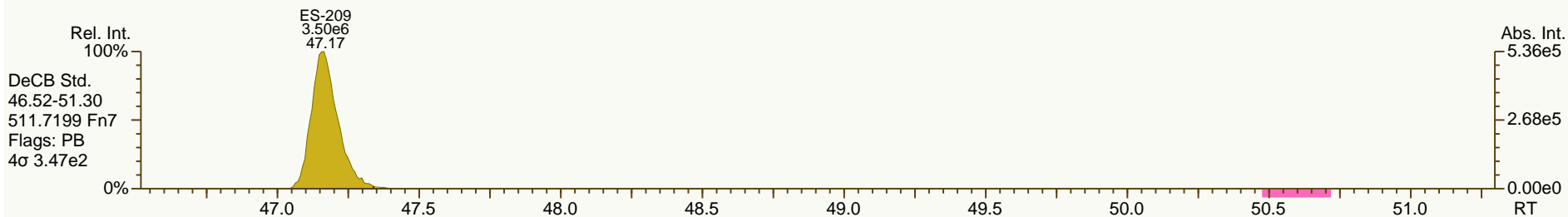
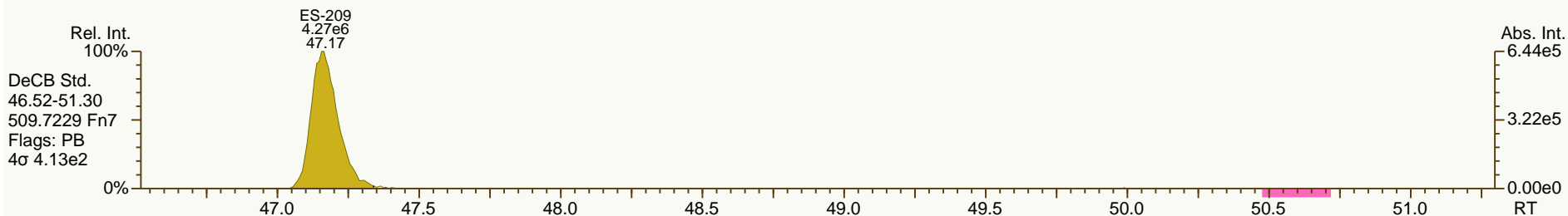
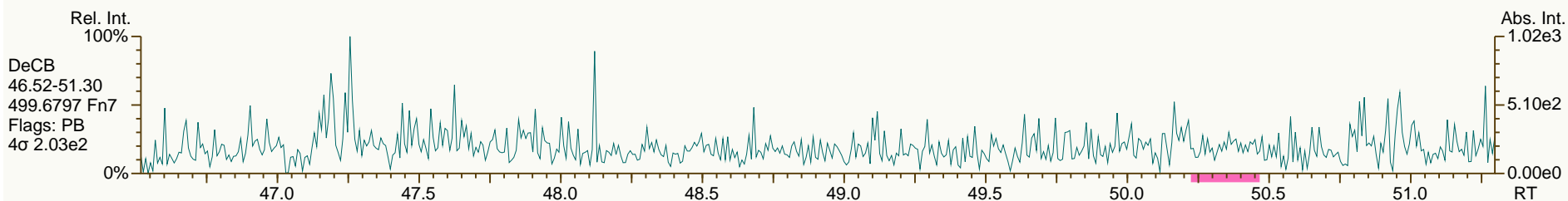
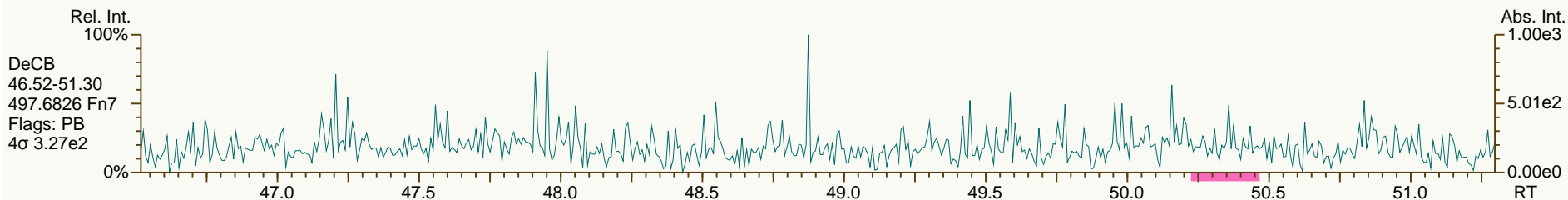
Acq: 03-Jul-2012 17:07:28
User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

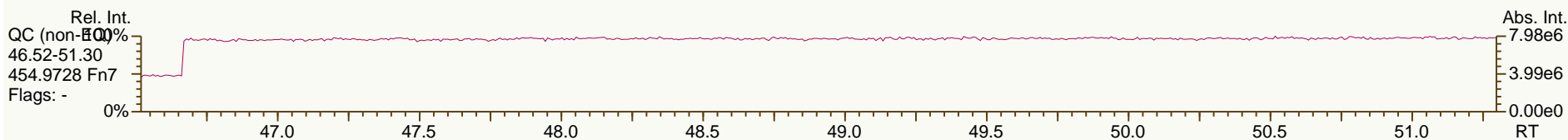
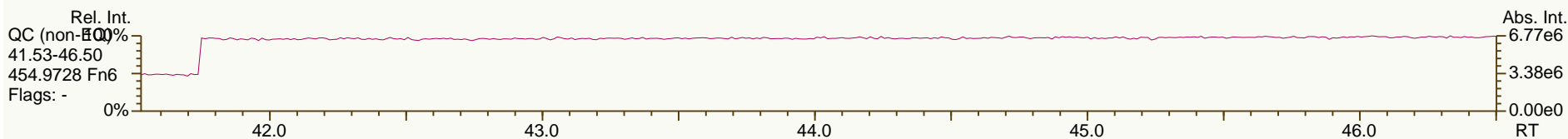
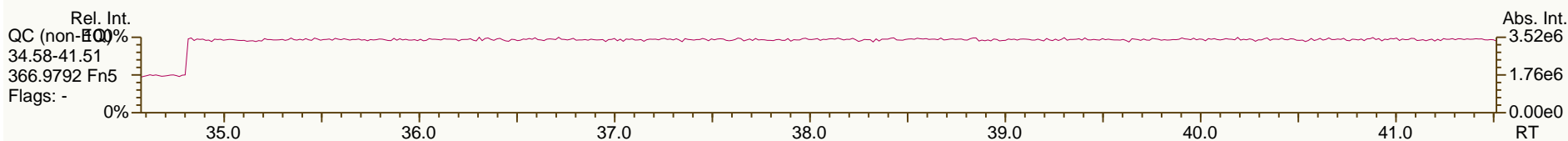
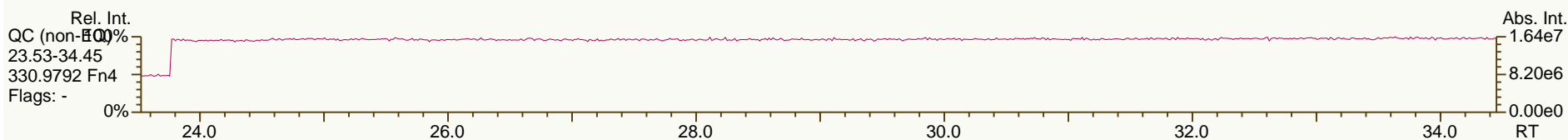
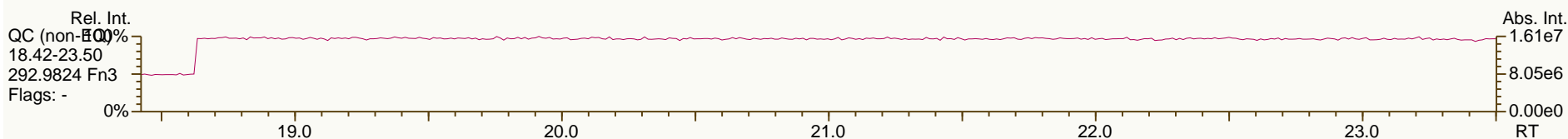
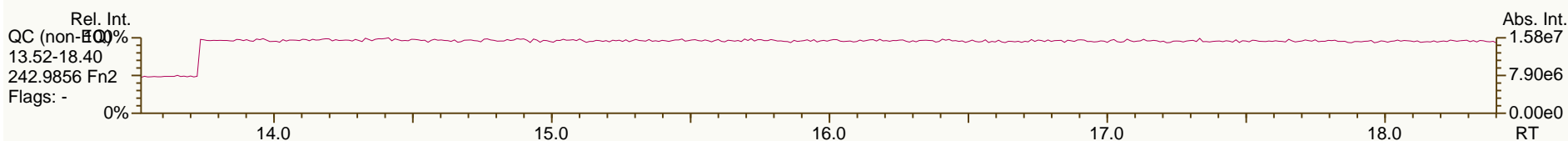
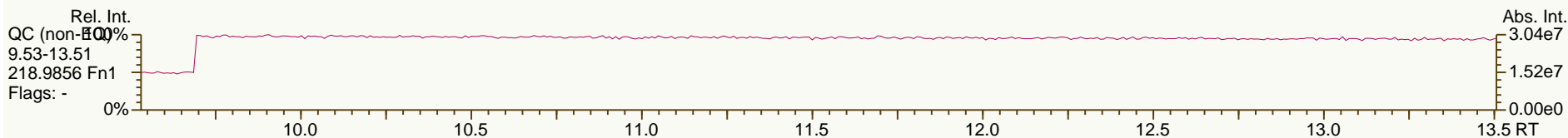
Acq: 03-Jul-2012 17:07:28
User: LKB Datafile: 120703S06



AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

Acq: 03-Jul-2012 17:07:28
User: LKB Datafile: 120703S06



Lab ID: A4369_9892_PCB_001
 Client ID: JW-UR-TISSUE-120508
 Datafile: 120703S07

ACQ: 03-Jul-2012 18:02:27 LKB Wt/Vol: 11.02 g
 UTP: 06-Jul-2012 13:52 LKB J-level: 0.907 pg/g Split: 1
 RPT: 06-Jul-2012 13:55 LB Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

ICAL: MM4_PCB_01102012_26JAN12 CS3_120703_PCB_SC
 Checkcode: 869-474-PHP
 Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.26		1.0006	1.0006	0	2.06E+05	0.75	1.22	1.92	1.79E+03	0.176
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.79E+03	0.175
PCB-105 233'44'-PeCB	32.20		1.0007	1.0007	0	1.16E+06	0.60	1.03	17.1	2.79E+03	0.42
PCB-114 2344'5'-PeCB	31.67		1.0007	1.0007	0	7.69E+04	0.54	1.10	1.09	2.79E+03	0.373
PCB-118 23'44'5'-PeCB	31.23		1.0008	1.0007	-0.2	2.95E+06	0.61	1.03	42.3	2.79E+03	0.415
PCB-123 23'44'5'-PeCB	30.96		1.0007	1.0010	+0.6	6.62E+04	0.55	0.93	1.14	2.79E+03	0.498
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	2.03E+03	0.239
PCB-156/157 ...-HxCB	37.34	C	1.0005	1.0003	-0.4	3.69E+05	1.23	1.05	5.14	8.76E+02	0.162
PCB-167 23'44'55'-HxCB	36.39		1.0006	1.0006	0	1.87E+05	1.25	1.08	2.59	8.76E+02	0.119
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	8.76E+02	0.144
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.18E+03	0.141
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	3.87E+02	0.139
ES PCB-1	9.83		0.7181	0.7173	-0.5	1.48E+07	3.23	1.01	60.3 %	4%	100%
ES PCB-3	11.76		0.8583	0.8581	-0.1	1.58E+07	3.28	1.05	62.2 %	11%	106%
ES PCB-4	11.96		0.8732	0.8728	-0.3	9.53E+06	1.64	0.70	56.4 %	14%	107%
ES PCB-15	17.08		1.2453	1.2459	+0.6	1.98E+07	1.63	1.17	69.9 %	19%	107%
ES PCB-19	14.66		1.0698	1.0698	0	9.18E+06	1.02	0.57	66.9 %	1%	108%
ES PCB-37	23.06		1.0865	1.0869	+0.6	1.57E+07	1.08	1.41	89.4 %	25%	123%
ES PCB-54	17.30		0.8157	0.8155	-0.2	1.09E+07	0.80	1.32	66.1 %	13%	105%
ES PCB-77	29.24		1.3777	1.3783	+1.1	1.59E+07	0.81	1.22	105 %	31%	109%
ES PCB-81	28.77		1.3557	1.3562	+0.9	1.54E+07	0.80	1.15	107 %	14%	127%
ES PCB-104	22.01		0.8147	0.8146	-0.1	1.13E+07	1.65	1.69	57.9 %	36%	115%
ES PCB-105	32.18		1.1906	1.1908	+0.4	1.20E+07	1.66	1.21	86.3 %	50%	111%
ES PCB-114	31.65		1.1709	1.1711	+0.4	1.17E+07	1.64	1.23	82.1 %	41%	121%
ES PCB-118	31.21		1.1547	1.1548	+0.2	1.22E+07	1.57	1.25	85.2 %	49%	111%
ES PCB-123	30.93		1.1444	1.1446	+0.4	1.14E+07	1.58	1.33	74.6 %	49%	116%
ES PCB-126	34.79		1.2871	1.2875	+0.8	1.42E+07	1.64	1.36	90.5 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.84		0.7939	0.7937	-0.3	1.22E+07	1.32	1.40	84 %	25%	124%
ES PCB-156/157	37.33		1.1035	1.1036	+0.2	2.49E+07	1.26	1.13	106 %	40%	120%
ES PCB-167	36.37		1.0753	1.0753	0	1.22E+07	1.30	1.13	104 %	45%	118%
ES PCB-169	40.06		1.1842	1.1843	+0.2	1.10E+07	1.25	1.14	92.6 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.66		0.7204	0.7201	-0.6	1.00E+07	1.09	1.34	72 %	23%	125%
ES PCB-189	42.19		0.9598	0.9597	-0.3	1.45E+07	1.07	1.77	96.9 %	47%	116%
ES PCB-202	36.17		0.8230	0.8228	-0.4	1.12E+07	0.90	1.27	85.4 %	31%	134%
ES PCB-205	44.36		1.0090	1.0090	0	9.63E+06	0.91	1.25	91.1 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.83		1.0424	1.0425	+0.3	7.60E+06	0.78	1.07	84.2 %	38%	122%
ES PCB-208	41.79		0.9508	0.9507	-0.3	1.05E+07	0.80	1.34	92.4 %	31%	126%
ES PCB-209	47.19		1.0732	1.0734	+0.6	8.17E+06	1.21	1.18	81.6 %	43%	115%
CS/SS PCB-28	19.66		0.9269	0.9269	0	1.59E+07	1.10	0.98	103 %	14%	131%
CS/SS PCB-111	29.30	V	1.0843	1.0844	+0.2	1.28E+07	1.60	0.90	125 %	57%	112%
CS/SS PCB-178	34.22		1.0118	1.0118	0	7.38E+06	1.09	0.65	114 %	57%	125%
CS PCB-28	19.66		0.9269	0.9269	0	1.59E+07	1.10	1.39	92.1 %	14%	131%
CS PCB-111	29.30		1.0843	1.0844	+0.2	1.28E+07	1.60	1.19	93.1 %	57%	112%
CS PCB-178	34.22		1.0118	1.0118	0	7.38E+06	1.09	0.87	82.1 %	57%	125%
JS PCB-9	13.71					2.42E+07	1.60				
JS PCB-52	21.21					1.25E+07	0.78				
JS PCB-101	27.02					1.15E+07	1.59				
JS PCB-138	33.82					1.04E+07	1.30				
JS PCB-194	43.96					8.46E+06	0.90				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	4.94	4.94	0.175		
						Di-CBs	69.2	69.2	0.735		
						Tri-CBs	72.2	72.2	0.256		
						Tetra-CBs	204	205	0.165		
						Penta-CBs	390	391	0.357		
						Hexa-CBs	388	389	0.133		
						Hepta-CBs	135	137	0.18		
						Octa-CBs	26.1	26.1	0.138		
						Nona-CBs	1.01	1.01	0.207		
PCB-1 2-MoCB	9.84		1.0011	1.0011	0	1.42E+05	3.06	1.20	1.45	3.06E+03	0.155
PCB-2 3-MoCB	11.62		0.9878	0.9878	0	2.07E+05	3.25	1.14	2.08	3.06E+03	0.192
PCB-3 4-MoCB	11.77		1.0010	1.0011	+0.1	1.39E+05	2.77	1.13	1.41	3.06E+03	0.195
PCB-4 22'-DiCB	11.98		1.0012	1.0012	0	1.21E+05	SI	0.94	2.44	8.00E+03	0.958
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.67	ND	2.98E+04	2.02
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.89	ND	1.57E+04	1.37
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.05	ND	1.57E+04	1.16
PCB-6 23'-DiCB	14.06		1.0261	1.0261	0	1.47E+05	SI	0.96	1.41	6.60E+03	0.537
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.94	ND	1.57E+04	1.3
PCB-8 24'-DiCB	14.44		1.0533	1.0535	+0.2	3.91E+05	SI	1.01	3.55	6.60E+03	0.51
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.10	ND	1.57E+04	1.11
PCB-11 33'-DiCB	16.56	B	0.9701	0.9700	-0.1	6.03E+06	1.42	0.94	59	1.57E+04	1.3
PCB-13/12 34'/34-DiCB	16.80	J C	0.9855	0.9839	-1.6	8.58E+04	SI	0.94	0.834	6.60E+03	0.545
PCB-15 44'-DiCB	17.09		1.0008	1.0007	-0.1	2.16E+05	SI	1.01	1.97	6.60E+03	0.511

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.68		1.0011	1.0011	0	5.47E+04	1.12	1.01	1.07	1.86E+03	0.265
PCB-30/18 246/22'5-TrCB	16.30	C	1.1110	1.1115	+0.5	5.56E+05	1.10	1.23	8.95	1.86E+03	0.219
PCB-17 22'4-TrCB	16.65		1.1357	1.1359	+0.2	2.50E+05	1.11	1.05	4.72	1.86E+03	0.256
PCB-27 23'6-TrCB	16.83		1.1479	1.1481	+0.2	9.20E+04	1.06	1.38	1.32	1.86E+03	0.195
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.30	ND	1.86E+03	0.206
PCB-16 22'3-TrCB	17.03		1.1612	1.1616	+0.4	1.69E+05	1.03	0.85	3.91	1.86E+03	0.314
PCB-32 24'6-TrCB	17.48		1.1923	1.1926	+0.3	2.55E+05	1.12	1.46	3.44	1.86E+03	0.183
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.24	ND	2.72E+03	0.239
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.27	ND	2.72E+03	0.233
PCB-26/29 23'5/245-TrCB	18.96	C	0.8236	0.8224	-1.4	4.06E+05	1.08	1.29	3.64	2.72E+03	0.23
PCB-25 23'4-TrCB	19.17		0.8315	0.8313	-0.2	2.65E+05	0.94	1.29	2.38	2.72E+03	0.23
PCB-31 24'5-TrCB	19.43		0.8430	0.8427	-0.3	1.41E+06	1.07	1.33	12.3	2.72E+03	0.224
PCB-28/20 244'/233'-TrCB	19.68	C	0.8542	0.8537	-0.6	1.79E+06	1.04	1.26	16.4	2.72E+03	0.236
PCB-21/33 234/23'4'-TrCB	19.88	C	0.8612	0.8621	+1.1	4.28E+05	0.97	1.31	3.79	2.72E+03	0.227
PCB-22 234'-TrCB	20.21		0.8766	0.8765	-0.1	5.19E+05	1.02	1.21	4.94	2.72E+03	0.244
PCB-36 33'5-TrCB	21.56	J	0.9351	0.9349	-0.3	3.31E+04	0.90	1.26	0.304	2.72E+03	0.236
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.32	ND	2.72E+03	0.225
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.18	ND	2.72E+03	0.251
PCB-35 33'4-TrCB	22.73		0.9860	0.9859	-0.1	9.38E+04	0.93	1.15	0.942	2.72E+03	0.258
PCB-37 344'-TrCB	23.08		1.0008	1.0008	0	4.17E+05	1.07	1.20	4.02	2.72E+03	0.248
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	7.92E+02	0.114
PCB-50/53 22'46/22'56'-TeCB	19.18	C	0.9051	0.9040	-1.3	1.97E+05	0.78	0.83	2.81	1.18E+03	0.173
PCB-45 22'36-TeCB	19.74		0.9304	0.9305	+0.1	1.27E+05	0.75	0.68	2.2	1.18E+03	0.21
PCB-51 22'46'-TeCB	19.82		0.9340	0.9341	+0.1	9.47E+04	0.73	0.84	1.33	1.18E+03	0.17
PCB-46 22'36'-TeCB	20.00		0.9429	0.9427	-0.2	5.39E+04	0.71	0.68	0.935	1.18E+03	0.211
PCB-52 22'55'-TeCB	21.23		1.0010	1.0010	0	2.24E+06	0.77	0.76	34.8	1.18E+03	0.189
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.97	ND	1.18E+03	0.147
PCB-43 22'35-TeCB	21.44	J	1.0106	1.0105	-0.1	5.38E+04	0.72	0.70	0.9	1.18E+03	0.203
PCB-69/49 23'46/22'45'-TeCB	21.65	C	1.0198	1.0206	+1.0	1.21E+06	0.75	0.94	15.2	1.18E+03	0.153
PCB-48 22'45-TeCB	21.89		1.0319	1.0319	0	2.65E+05	0.70	0.77	4.07	1.18E+03	0.186
PCB-44/47/65 ...-TeCB	22.08	C	1.0416	1.0410	-0.8	1.75E+06	0.79	0.83	24.8	1.18E+03	0.172
PCB-59/62/75 ...-TeCB	22.36	C	1.0541	1.0540	-0.1	2.82E+05	0.80	1.06	3.13	1.18E+03	0.135
PCB-42 22'34'-TeCB	22.51		1.0612	1.0613	+0.1	3.92E+05	0.83	0.72	6.42	1.18E+03	0.199
PCB-41 22'34-TeCB	22.82		1.0759	1.0759	0	8.34E+04	0.73	0.64	1.54	1.18E+03	0.224
PCB-71/40 23'4'6/22'33'-TeCB	22.93	C	1.0806	1.0809	+0.4	5.95E+05	0.78	0.80	8.76	1.18E+03	0.178
PCB-64 234'6-TeCB	23.12		1.0899	1.0900	+0.1	8.42E+05	0.79	1.10	9.04	1.18E+03	0.13
PCB-72 23'55'-TeCB	23.86		0.8295	0.8293	-0.3	9.76E+04	0.83	1.12	1.03	1.79E+03	0.194
PCB-68 23'45'-TeCB	24.10	J	0.8379	0.8377	-0.3	6.17E+04	0.72	1.22	0.596	1.79E+03	0.178
PCB-57 233'5-TeCB	24.45	J EMPC	0.8501	0.8499	-0.3	2.89E+04	1.17	1.09	0.311	1.79E+03	0.199
PCB-58 233'5'-TeCB	24.66	J	0.8568	0.8570	+0.3	2.54E+04	0.90	1.11	0.27	1.79E+03	0.196
PCB-67 23'45-TeCB	24.80		0.8620	0.8619	-0.1	3.43E+05	0.83	1.17	3.44	1.79E+03	0.185
PCB-63 234'5-TeCB	25.02		0.8697	0.8695	-0.3	1.09E+05	0.81	1.22	1.05	1.79E+03	0.178
PCB-61/70/74/76 ...-TeCB	25.31	C	0.8792	0.8797	+0.8	3.92E+06	0.77	1.13	40.8	1.79E+03	0.192
PCB-66 23'44'-TeCB	25.57		0.8888	0.8887	-0.2	2.10E+06	0.76	1.06	23.3	1.79E+03	0.205
PCB-55 233'4-TeCB	25.69	J	0.8932	0.8931	-0.2	7.20E+04	0.78	1.09	0.775	1.79E+03	0.199

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.12		0.9080	0.9079	-0.2	8.70E+05	0.79	1.06	9.65	1.79E+03	0.205
PCB-60 2344'-TeCB	26.31		0.9144	0.9143	-0.2	4.55E+05	0.84	1.09	4.91	1.79E+03	0.199
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	1.79E+03	0.177
PCB-79 33'45'-TeCB	27.95	J EMPC	0.9718	0.9716	-0.3	5.48E+04	0.91	1.21	0.535	1.79E+03	0.18
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.02	ND	1.79E+03	0.214
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	1.25E+03	0.2
PCB-96 22'366'-PeCB	22.32	J	1.0141	1.0142	+0.1	1.64E+04	0.62	0.89	0.297	1.25E+03	0.206
PCB-103 22'45'6'-PeCB	24.01		0.8883	0.8884	+0.1	4.82E+04	0.62	0.83	0.928	2.79E+03	0.558
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.72	ND	2.79E+03	0.639
PCB-95 22'35'6'-PeCB	24.54		0.9082	0.9082	0	2.15E+06	0.60	0.75	45.4	2.79E+03	0.612
PCB-100/93 22'44'6'/22'356'-PeCB	24.75	J EMPC C	0.9158	0.9158	0	4.58E+04	0.48	0.77	0.948	2.79E+03	0.599
PCB-102 22'456'-PeCB	24.86		0.9198	0.9201	+0.4	9.22E+04	0.64	0.88	1.67	2.79E+03	0.523
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.68	ND	2.79E+03	0.679
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.68	ND	2.79E+03	0.681
PCB-91 22'34'6'-PeCB	25.27		0.9352	0.9353	+0.2	3.94E+05	0.66	0.85	7.39	2.79E+03	0.544
PCB-84 22'33'6'-PeCB	25.44		0.9416	0.9416	0	4.61E+05	0.58	0.66	11.2	2.79E+03	0.702
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.68	ND	2.79E+03	0.673
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.01	ND	2.79E+03	0.458
PCB-92 22'355'-PeCB	26.55		0.9825	0.9825	0	1.01E+06	0.60	0.71	22.6	2.79E+03	0.648
PCB-113/90/101 ...-PeCB	27.04	C	0.9999	1.0008	+1.5	3.57E+06	0.60	0.86	66.1	2.79E+03	0.536
PCB-83 22'33'5'-PeCB	27.43		1.0150	1.0150	0	2.15E+05	0.63	0.62	5.51	2.79E+03	0.744
PCB-99 22'44'5'-PeCB	27.54		1.0190	1.0190	0	1.96E+06	0.62	0.77	40.8	2.79E+03	0.602
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	2.79E+03	0.445
PCB-108/119/86/97/125...-PeCB	27.98	C	1.0347	1.0354	+1.2	1.91E+06	0.60	0.89	34.3	2.79E+03	0.519
PCB-117 234'56'-PeCB	28.49		1.0539	1.0542	+0.5	1.38E+05	0.63	0.70	3.13	2.79E+03	0.656
PCB-116/85 23456/22'344'-PeCB	28.55	C	1.0566	1.0566	0	5.85E+05	0.63	0.98	9.45	2.79E+03	0.468
PCB-110 233'4'6'-PeCB	28.69		1.0615	1.0616	+0.2	3.89E+06	0.60	0.97	63.8	2.79E+03	0.475
PCB-115 2344'6'-PeCB	28.77		1.0644	1.0648	+0.7	9.47E+04	0.67	1.00	1.5	2.79E+03	0.459
PCB-82 22'33'4'-PeCB	28.94		1.0711	1.0710	-0.2	2.56E+05	0.64	0.63	6.48	2.79E+03	0.733
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.01	ND	2.79E+03	0.458
PCB-120 23'455'-PeCB	29.72	J	1.0994	1.0996	+0.4	4.18E+04	0.56	1.02	0.652	2.79E+03	0.451
PCB-107/124 ...-PeCB	30.65	C	0.9909	0.9910	+0.2	1.36E+05	0.65	0.95	2.27	2.79E+03	0.484
PCB-109 233'46'-PeCB	30.86		0.9976	0.9977	+0.2	3.21E+05	0.59	1.05	4.87	2.79E+03	0.439
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.97	ND	2.79E+03	0.473
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.91	ND	2.79E+03	0.448
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.98	ND	2.79E+03	0.438
PCB-155 22'44'66'-HxCB	26.87	J EMPC	1.0008	1.0009	+0.2	1.64E+04	1.54	1.06	0.231	7.95E+02	0.107
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.98	ND	7.95E+02	0.115
PCB-150 22'34'66'-HxCB	27.15	J EMPC	1.0112	1.0115	+0.5	1.51E+04	1.46	1.00	0.225	7.95E+02	0.113
PCB-136 22'33'66'-HxCB	27.43		1.0216	1.0217	+0.2	5.17E+05	1.24	0.92	8.36	7.95E+02	0.123
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.93	ND	7.95E+02	0.121
PCB-148 22'34'56'-HxCB	28.99	J	1.0801	1.0800	-0.2	2.98E+04	1.26	0.72	0.614	7.95E+02	0.156
PCB-151/135 ...-HxCB	29.49	C	1.0986	1.0985	-0.2	1.78E+06	1.33	0.71	37.2	7.95E+02	0.158
PCB-154 22'44'56'-HxCB	29.72		1.1067	1.1069	+0.4	1.07E+05	1.42	0.79	2	7.95E+02	0.142
PCB-144 22'345'6'-HxCB	29.96		1.1158	1.1160	+0.4	1.51E+05	1.35	0.72	3.14	7.95E+02	0.157

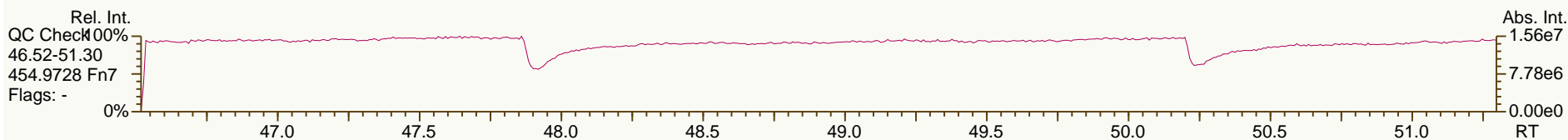
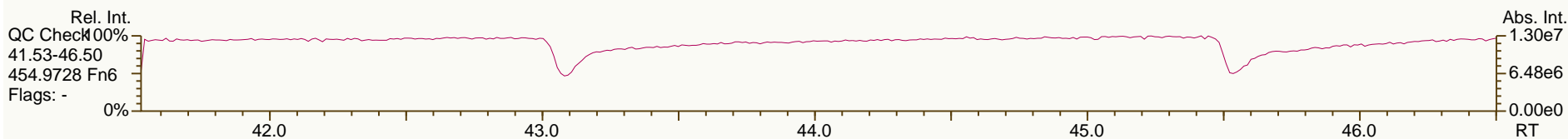
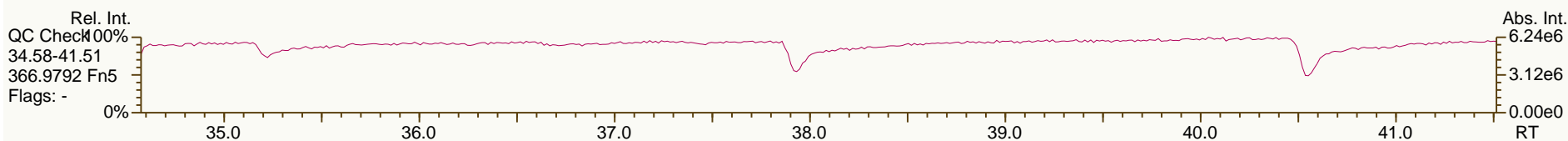
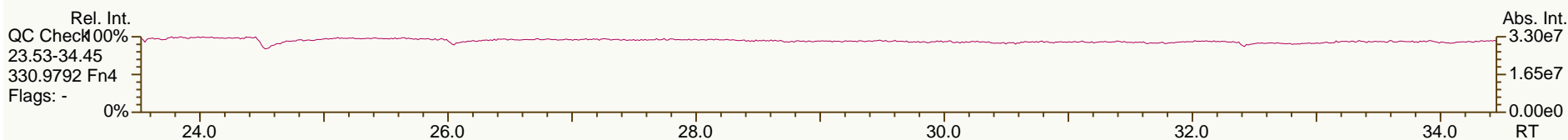
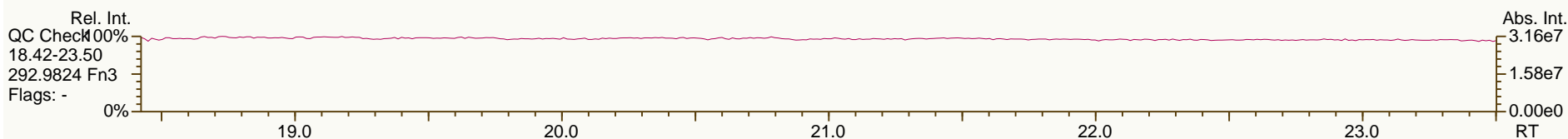
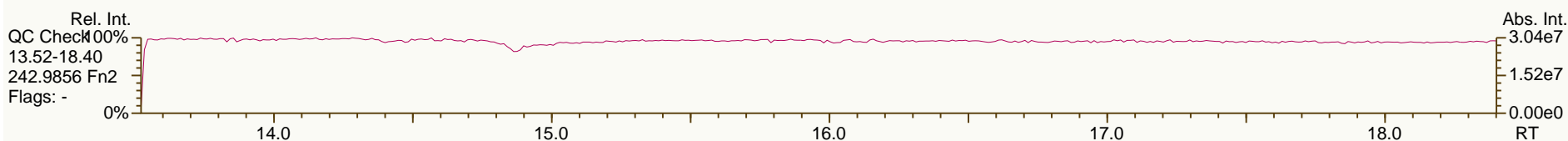
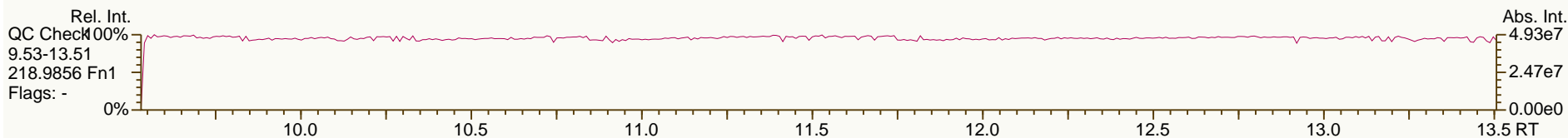
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.25	C	1.1269	1.1270	+0.2	3.15E+06	1.29	0.73	63.8	7.95E+02	0.154
PCB-134 22'33'56"-HxCB	30.41		1.1326	1.1328	+0.4	2.00E+05	1.39	0.60	4.95	7.95E+02	0.187
PCB-143 22'3456"-HxCB	NotFnd		1.1356	-		0.00E+00		0.70	ND	7.95E+02	0.162
PCB-139/140 ...-HxCB	30.76	C	1.1458	1.1457	-0.2	9.19E+04	1.15	0.75	1.82	7.95E+02	0.15
PCB-131 22'33'46"-HxCB	30.92		1.1516	1.1518	+0.4	3.92E+04	1.29	0.62	0.935	7.95E+02	0.181
PCB-142 22'3456"-HxCB	NotFnd		1.1564	-		0.00E+00		0.67	ND	7.95E+02	0.167
PCB-132 22'33'46"-HxCB	31.29		1.1655	1.1657	+0.4	7.80E+05	1.22	0.67	17.3	7.95E+02	0.168
PCB-133 22'33'55"-HxCB	31.75		1.1826	1.1829	+0.6	2.16E+05	1.25	0.66	4.83	7.95E+02	0.17
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.83	ND	7.95E+02	0.136
PCB-146 22'34'55"-HxCB	32.30		0.9550	0.9549	-0.2	1.31E+06	1.26	0.72	26.7	7.95E+02	0.155
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.95	ND	7.95E+02	0.119
PCB-153/168 ...-HxCB	32.81	C	0.9709	0.9702	-1.4	4.85E+06	1.26	0.89	81	7.95E+02	0.127
PCB-141 22'3455"-HxCB	32.96		0.9746	0.9746	0	2.87E+05	1.39	0.67	6.37	7.95E+02	0.169
PCB-130 22'33'45"-HxCB	33.30		0.9847	0.9846	-0.2	3.84E+05	1.27	0.61	9.28	7.95E+02	0.183
PCB-137 22'344'5"-HxCB	33.50		0.9904	0.9905	+0.2	2.44E+05	1.36	0.72	5.03	7.95E+02	0.156
PCB-164 233'4'5'6"-HxCB	33.59		0.9930	0.9930	0	3.61E+05	1.21	0.93	5.74	7.95E+02	0.121
PCB-163/138/129 ...-HxCB	33.85	C	1.0012	1.0008	-0.8	4.26E+06	1.27	0.76	83.4	7.95E+02	0.148
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.91	ND	7.95E+02	0.123
PCB-158 233'44'6"-HxCB	34.18		1.0106	1.0107	+0.2	4.98E+05	1.38	0.96	7.7	7.95E+02	0.117
PCB-128/166 ...-HxCB	34.89	C	0.9593	0.9594	+0.2	6.24E+05	1.26	0.90	10.3	8.76E+02	0.143
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.06	ND	8.76E+02	0.121
PCB-162 233'4'55"-HxCB	35.99	J EMPC	0.9896	0.9896	0	2.43E+04	1.67	1.09	0.331	8.76E+02	0.117
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	9.36E+02	0.158
PCB-179 22'33'566"-HpCB	31.94		1.0089	1.0089	0	5.72E+05	1.13	1.09	9.5	9.36E+02	0.154
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.05	ND	9.36E+02	0.161
PCB-176 22'33'466"-HpCB	32.69		1.0324	1.0325	+0.2	1.18E+05	0.91	1.17	1.83	9.36E+02	0.144
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.13	ND	9.36E+02	0.15
PCB-178 22'33'55'6"-HpCB	34.24		1.0816	1.0818	+0.4	5.36E+05	1.17	0.82	11.9	9.36E+02	0.206
PCB-175 22'33'45'6"-HpCB	34.78		1.0985	1.0986	+0.2	5.98E+04	1.00	0.86	1.26	1.07E+03	0.224
PCB-187 22'34'55'6"-HpCB	35.01		1.1057	1.1059	+0.4	2.05E+06	1.05	0.91	40.8	1.07E+03	0.212
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.93	ND	1.07E+03	0.208
PCB-183 22'344'5'6"-HpCB	35.52		1.1219	1.1222	+0.6	6.16E+05	1.01	1.00	11.2	1.07E+03	0.193
PCB-185 22'3455'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.84	ND	1.07E+03	0.23
PCB-174 22'33'456"-HpCB	35.70		1.1276	1.1277	+0.2	3.27E+05	1.04	0.77	7.72	1.07E+03	0.251
PCB-177 22'33'45'6"-HpCB	36.07		1.1393	1.1394	+0.2	7.09E+05	0.97	0.77	16.7	1.07E+03	0.251
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.90	ND	1.07E+03	0.215
PCB-171/173 ...-HpCB	36.60	C	1.1556	1.1562	+1.3	2.31E+05	0.97	0.80	5.21	1.07E+03	0.241
PCB-172 22'33'455"-HpCB	37.98	J EMPC	0.9003	0.9003	0	4.56E+04	1.24	0.72	0.8	1.07E+03	0.199
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.91	ND	1.07E+03	0.157
PCB-180/193 ...-HpCB	38.52	C	0.9127	0.9131	+0.9	1.55E+06	1.01	0.84	23.1	1.07E+03	0.169
PCB-191 233'44'5'6"-HpCB	38.82	J	0.9203	0.9202	-0.2	4.47E+04	0.95	0.94	0.599	1.07E+03	0.152
PCB-170 22'33'44'5"-HpCB	39.57		0.9380	0.9380	0	2.68E+05	1.07	0.70	4.82	1.07E+03	0.204
PCB-190 233'44'56"-HpCB	40.02	EMPC	0.9486	0.9486	0	1.08E+05	1.28	0.91	1.49	1.07E+03	0.156
PCB-202 22'33'55'66"-OoCB	36.19		1.0006	1.0006	0	3.33E+05	0.92	0.83	6.5	7.17E+02	0.15
PCB-201 22'33'45'66"-OoCB	36.97		1.0221	1.0221	0	1.15E+05	0.81	0.95	1.97	7.17E+02	0.131

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	7.17E+02	0.138
PCB-197 22'33'44'66'-OcCB	37.74	J	1.0431	1.0434	+0.7	3.54E+04	0.89	0.88	0.647	7.17E+02	0.141
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.84	ND	7.17E+02	0.148
PCB-198/199 ...-OcCB	40.18	C	1.1102	1.1109	+1.7	3.85E+05	0.93	0.67	9.23	7.17E+02	0.184
PCB-196 22'33'44'56'-OcCB	40.73		1.1260	1.1261	+0.2	1.13E+05	0.81	0.68	2.66	7.17E+02	0.182
PCB-203 22'344'55'6-OcCB	40.90		1.1306	1.1307	+0.2	1.10E+05	0.99	0.72	2.47	7.17E+02	0.173
PCB-195 22'33'44'56-OcCB	42.00	J	0.9469	0.9468	-0.3	2.78E+04	0.90	0.66	0.797	6.63E+02	0.207
PCB-194 22'33'44'55'-OcCB	43.98		0.9915	0.9915	0	7.09E+04	0.79	0.72	1.84	6.63E+02	0.188
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	6.63E+02	0.125
PCB-208 22'33'455'66'-NoCB	41.81	J	1.0005	1.0005	0	1.51E+04	0.77	0.98	0.269	7.47E+02	0.174
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		0.99	ND	7.47E+02	0.171
PCB-206 22'33'44'55'6-NoCB	45.85	J	1.0004	1.0004	0	2.91E+04	0.80	0.93	0.745	7.47E+02	0.24

AP Lab ID: A4369_9892_PCB_001
Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

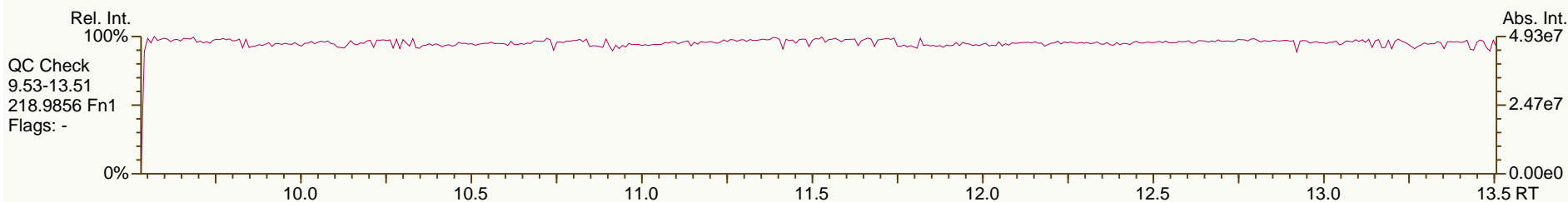
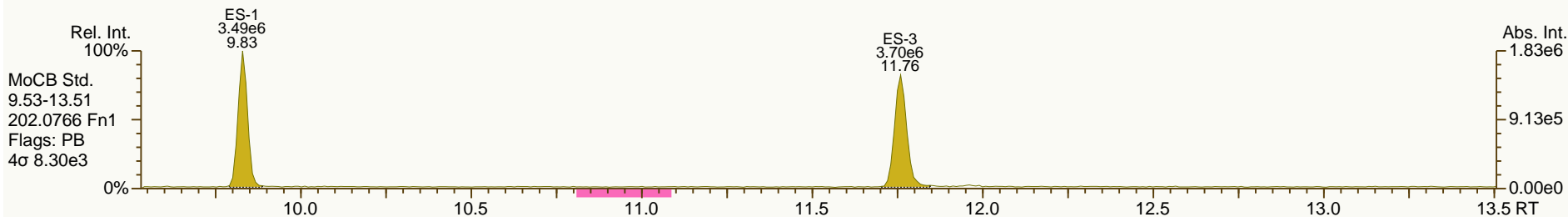
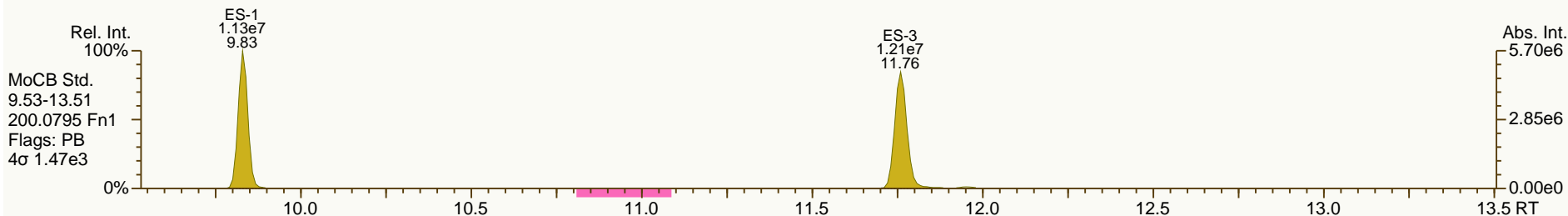
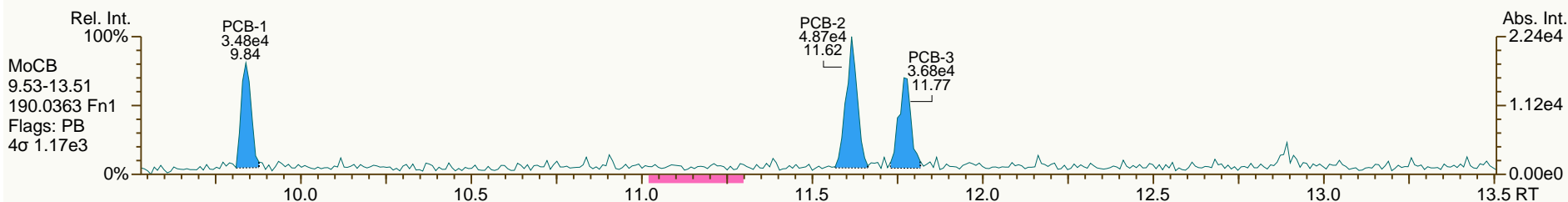
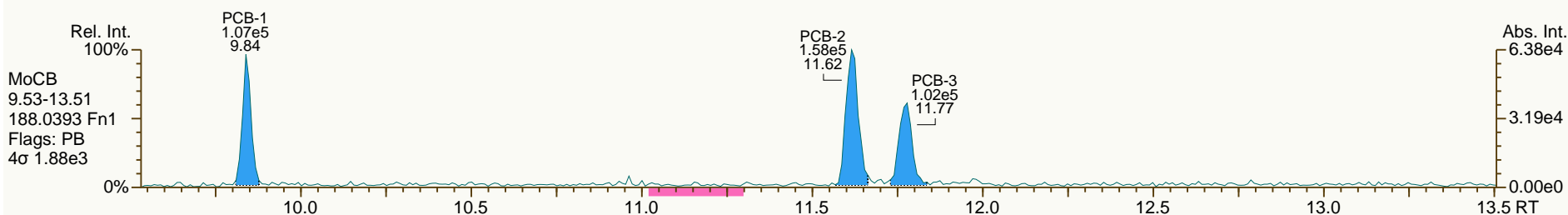
Acq: 03-Jul-2012 18:02:27
User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

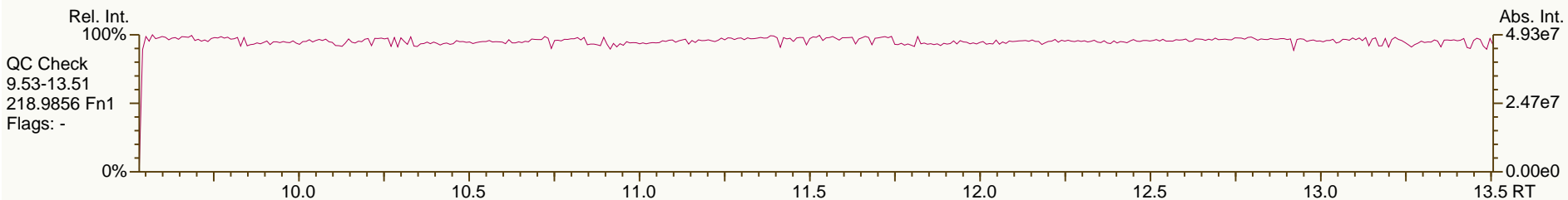
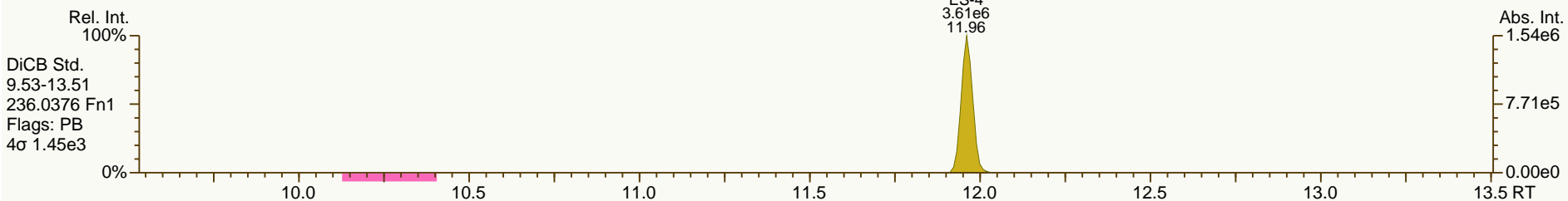
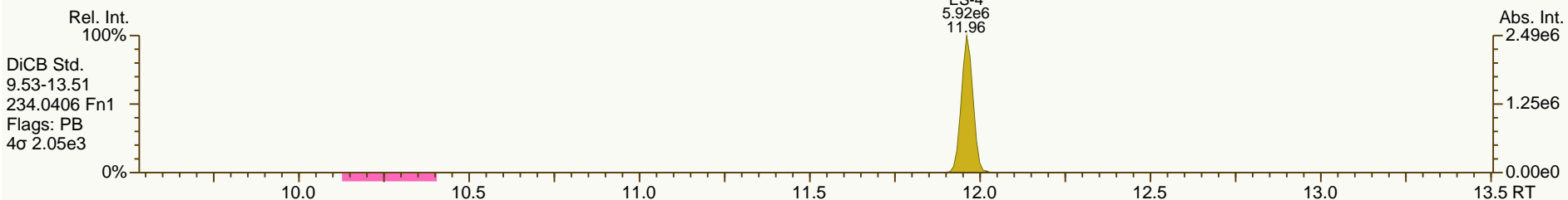
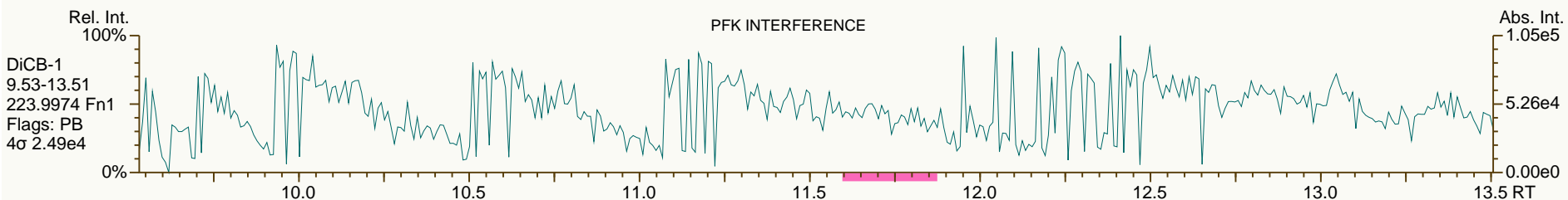
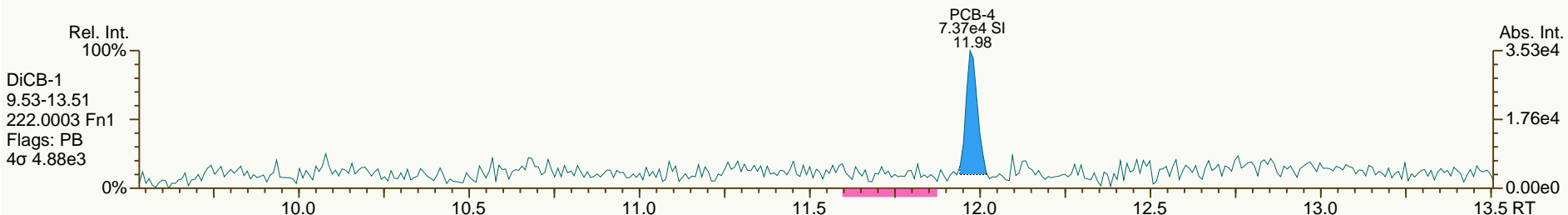
Acq: 03-Jul-2012 18:02:27
User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

Acq: 03-Jul-2012 18:02:27
 User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

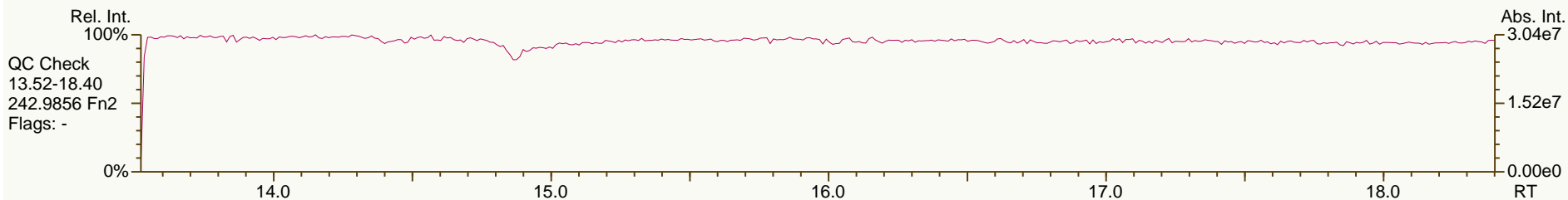
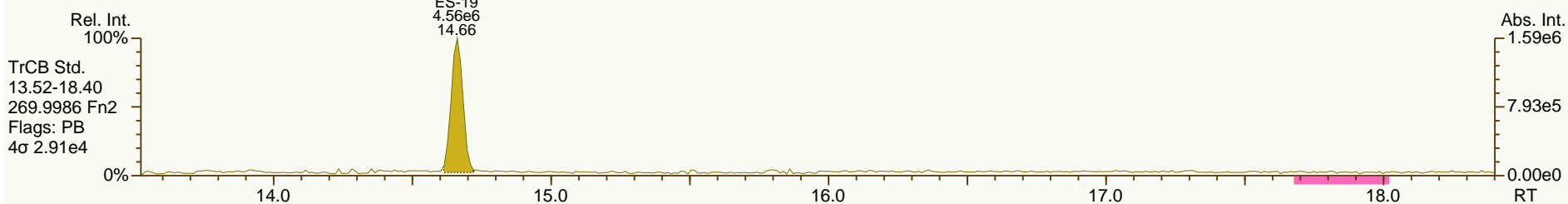
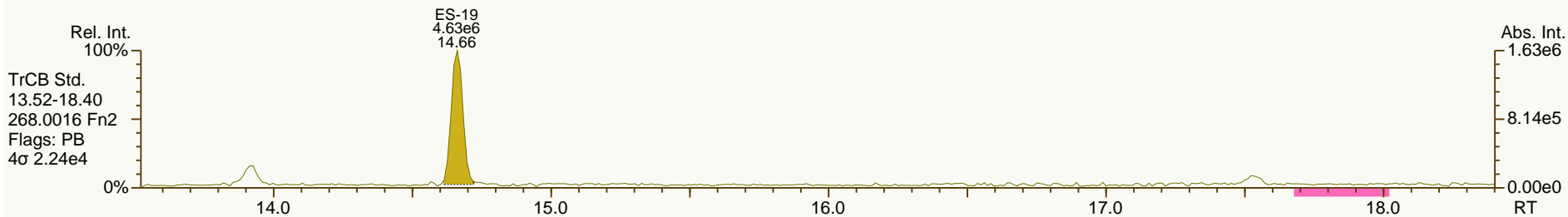
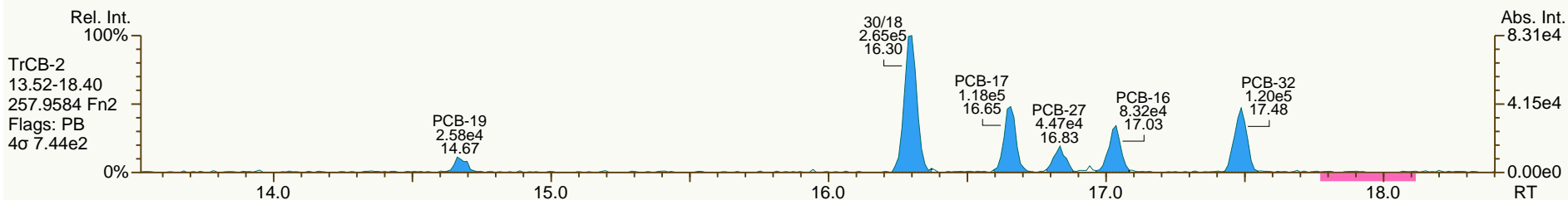
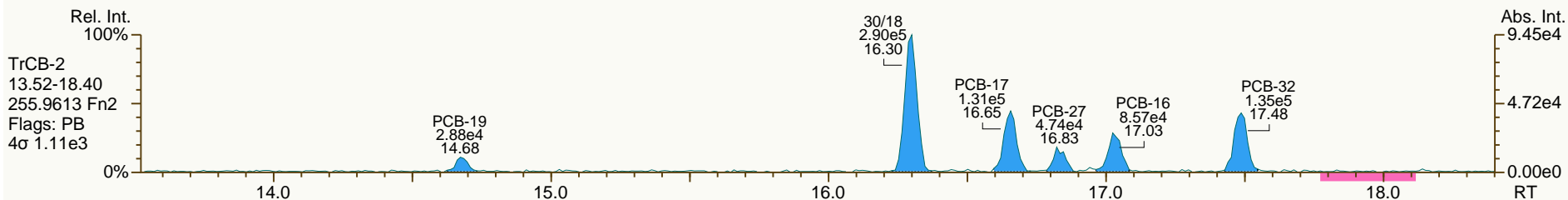
Acq: 03-Jul-2012 18:02:27
User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

Acq: 03-Jul-2012 18:02:27
User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

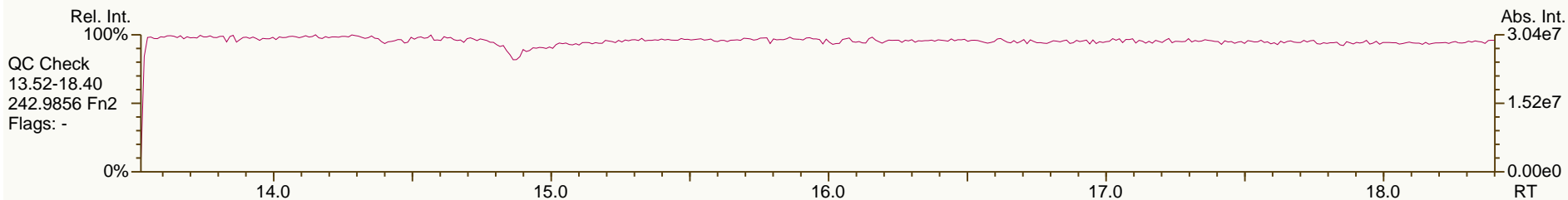
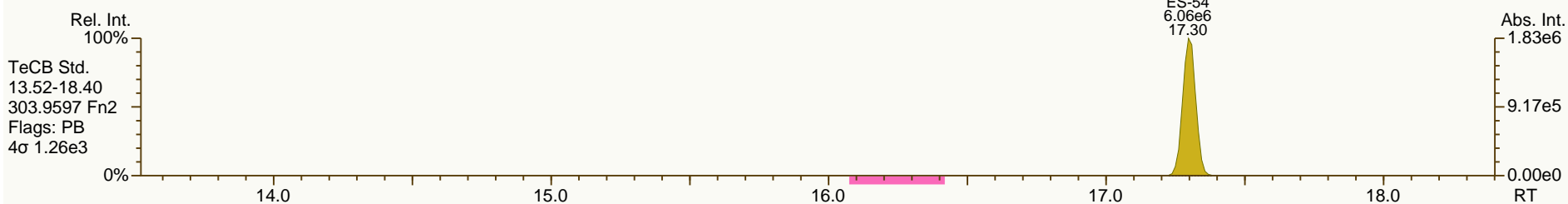
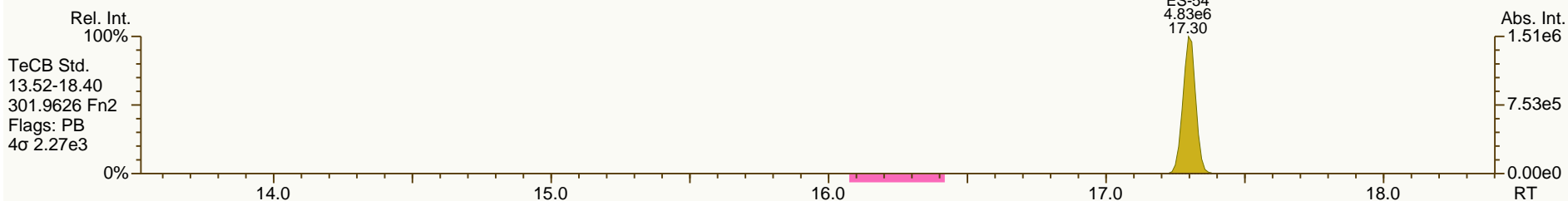
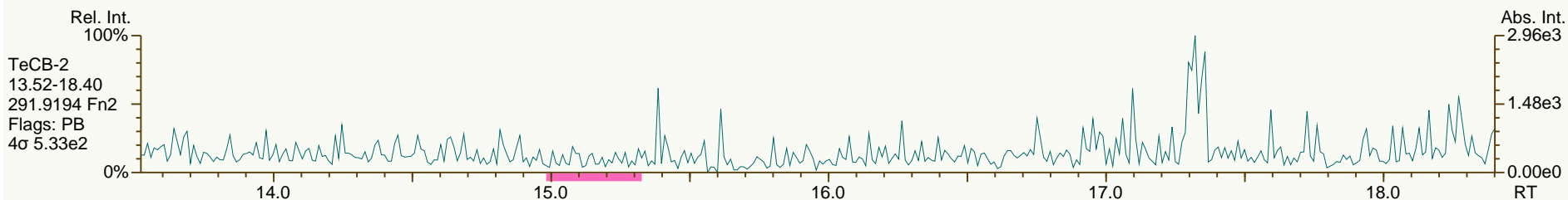
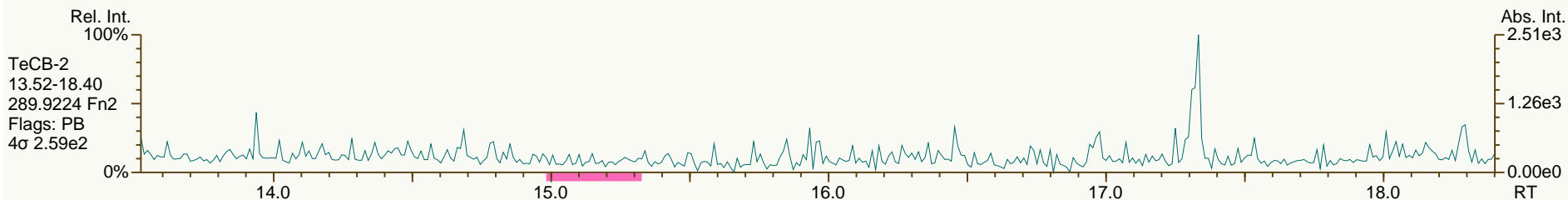
Acq: 03-Jul-2012 18:02:27
 User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

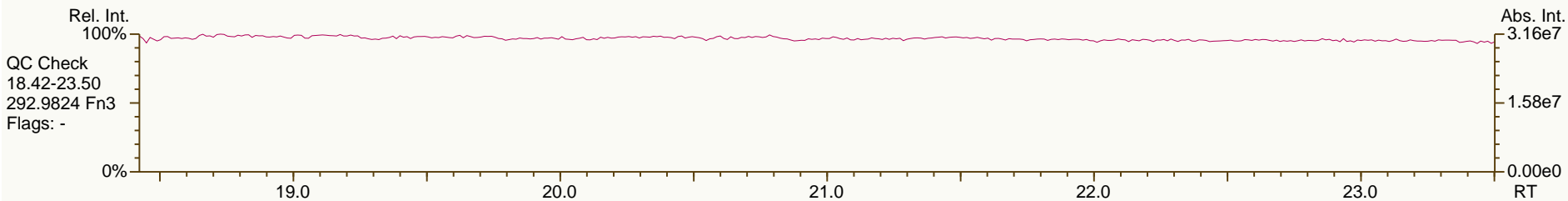
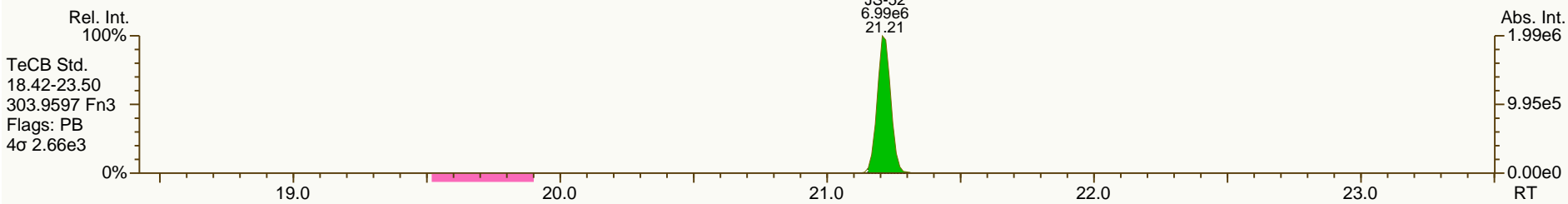
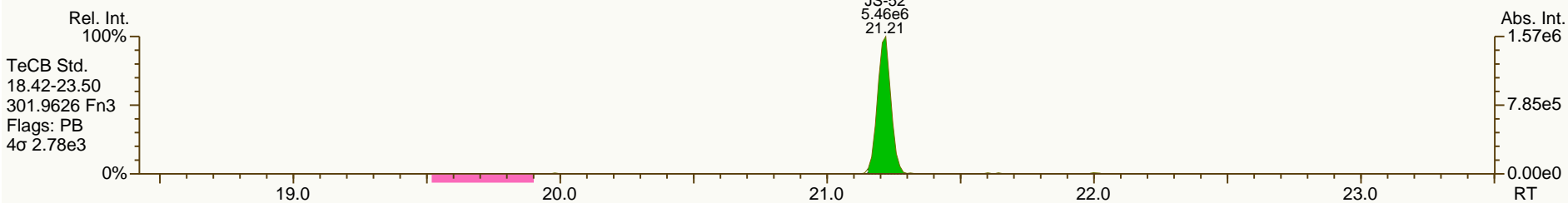
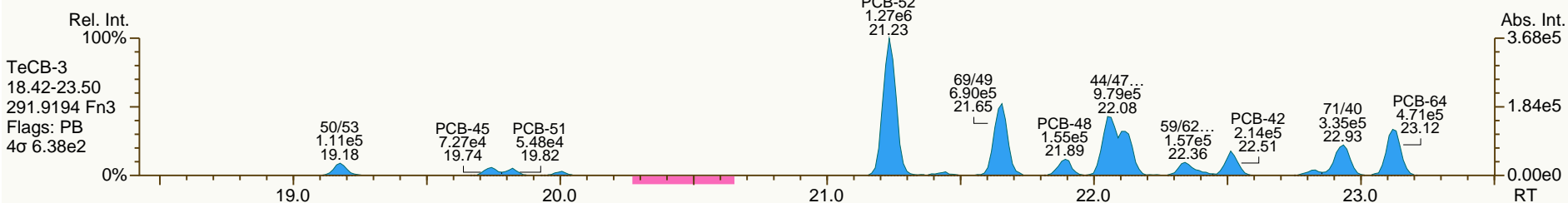
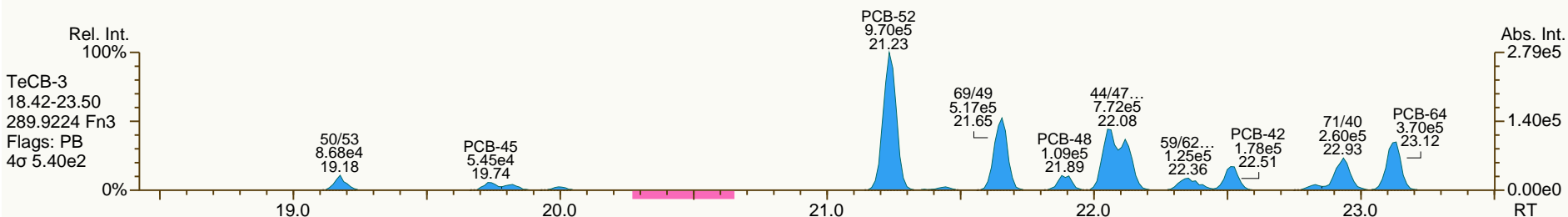
Acq: 03-Jul-2012 18:02:27
User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

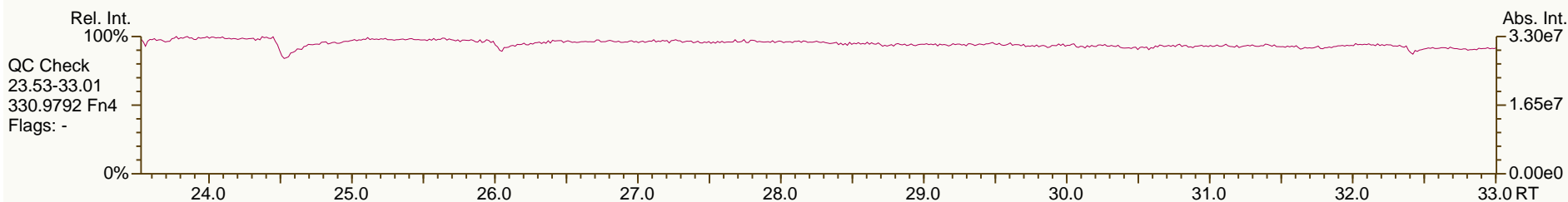
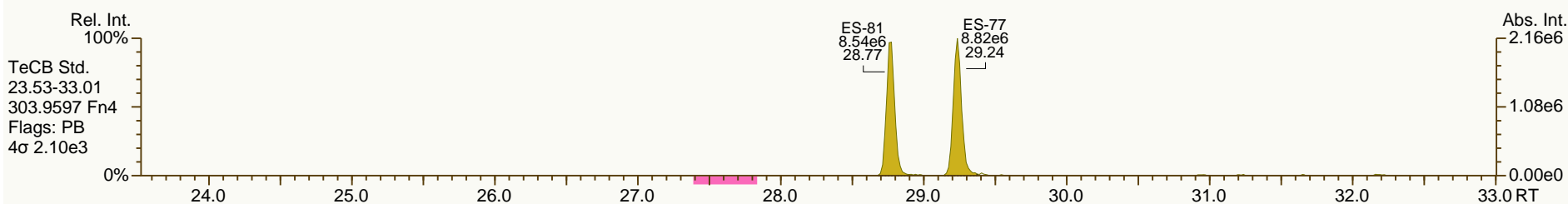
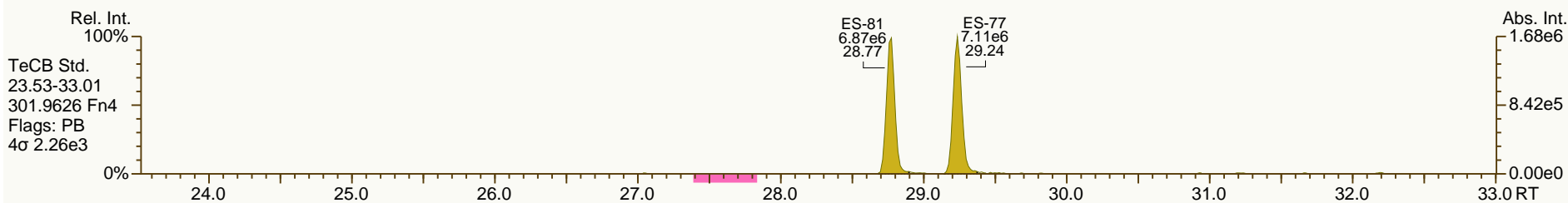
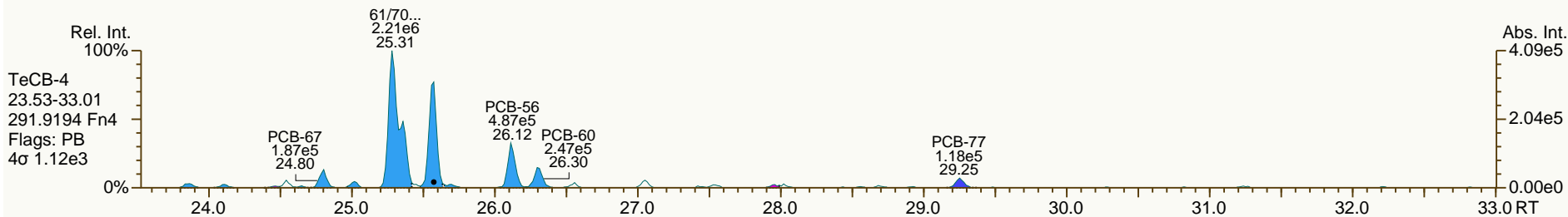
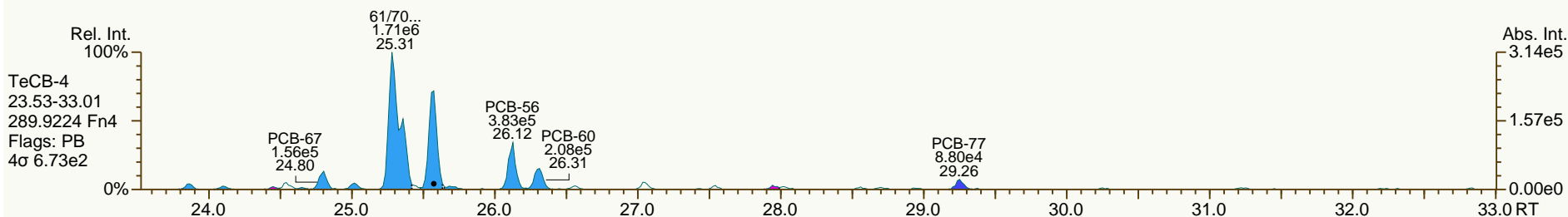
Acq: 03-Jul-2012 18:02:27
 User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

Acq: 03-Jul-2012 18:02:27
User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

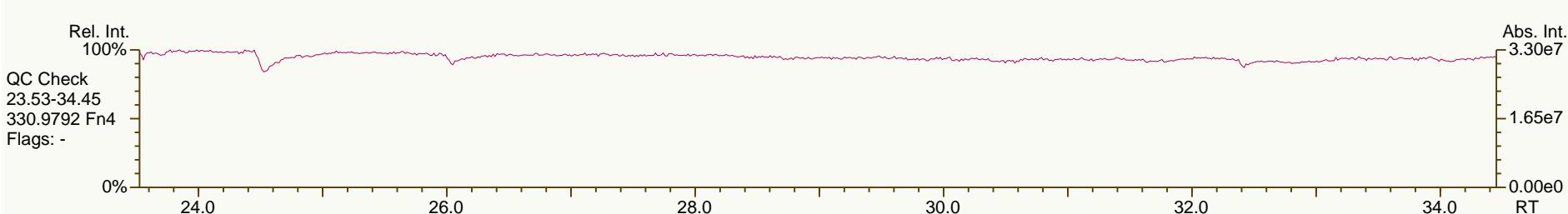
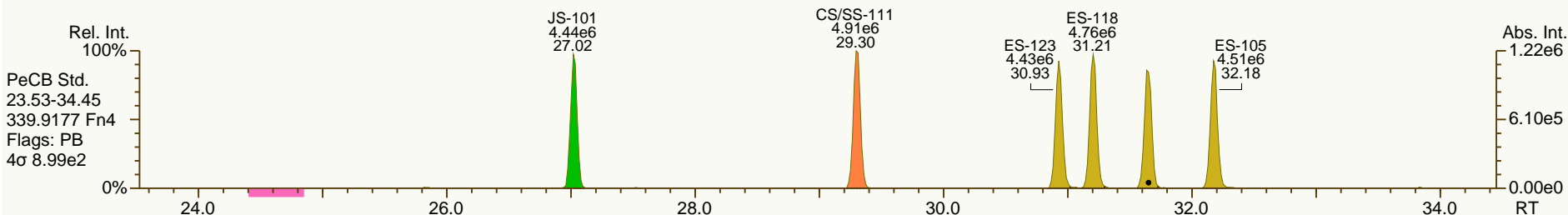
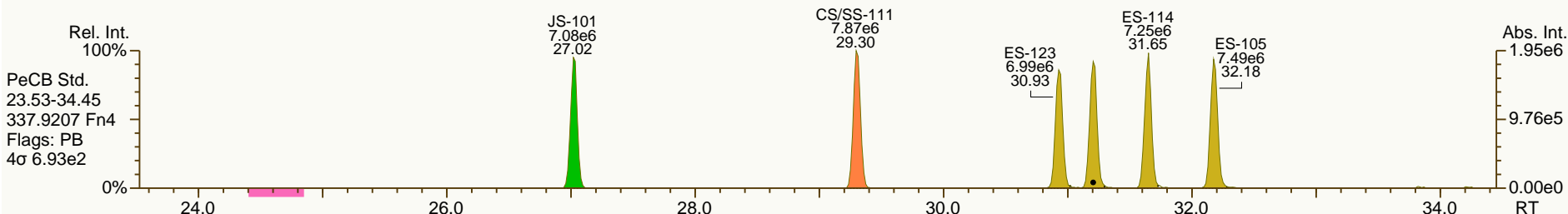
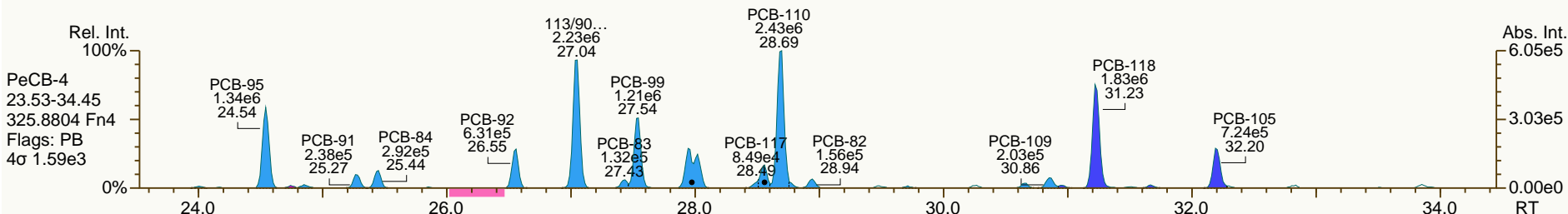
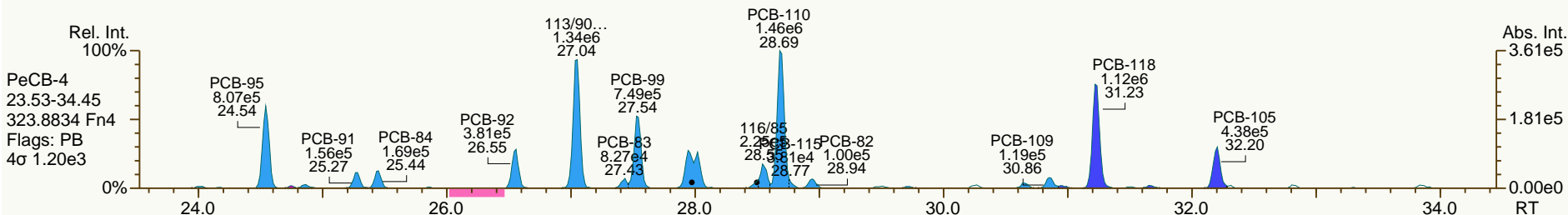
Acq: 03-Jul-2012 18:02:27
User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

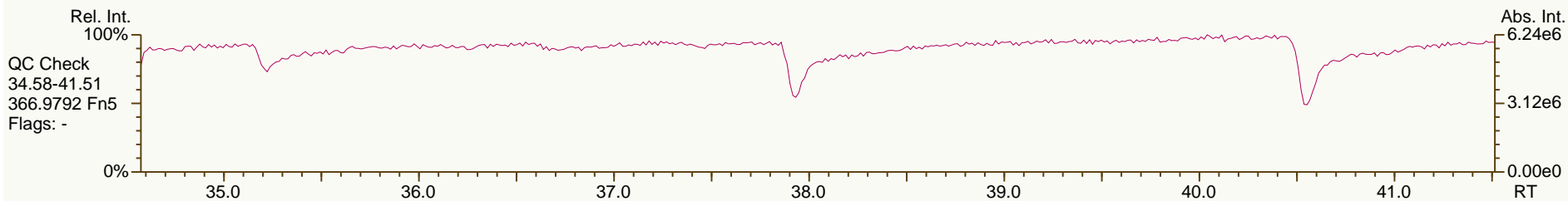
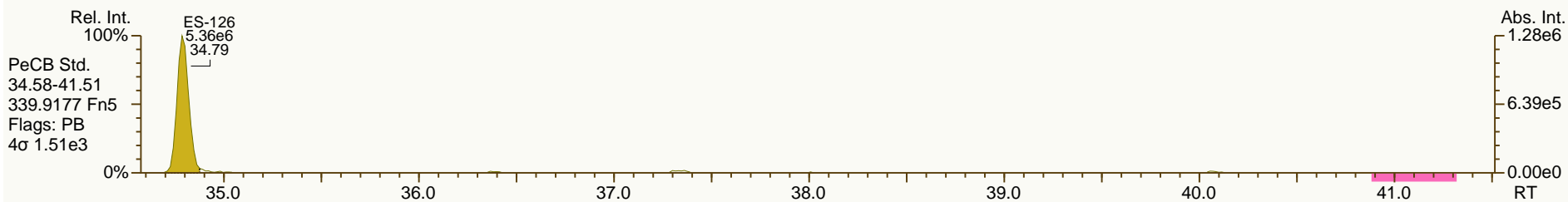
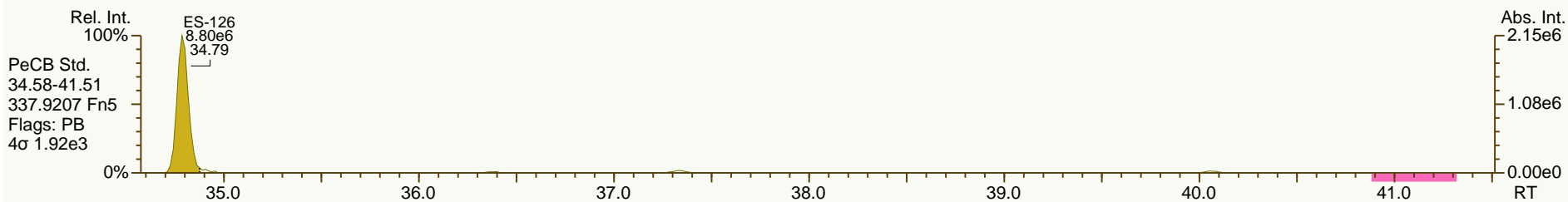
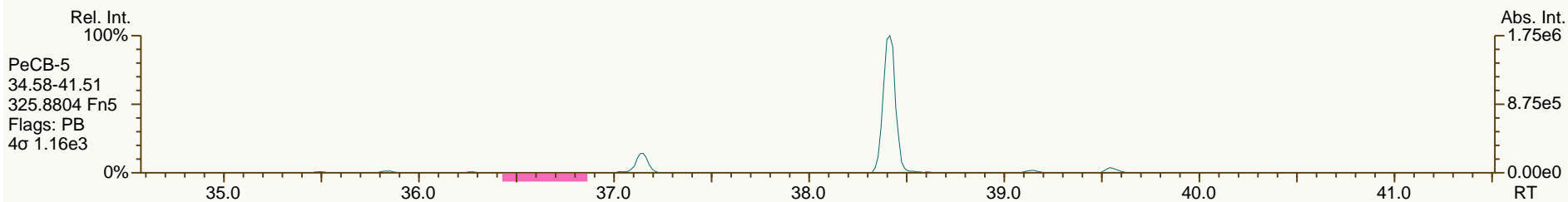
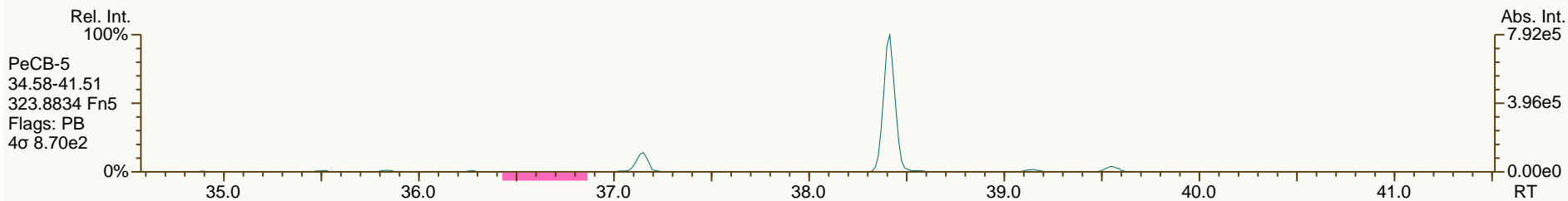
Acq: 03-Jul-2012 18:02:27
 User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

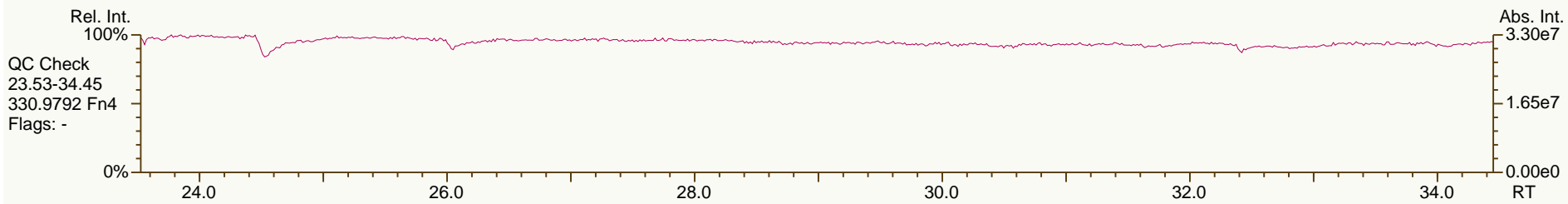
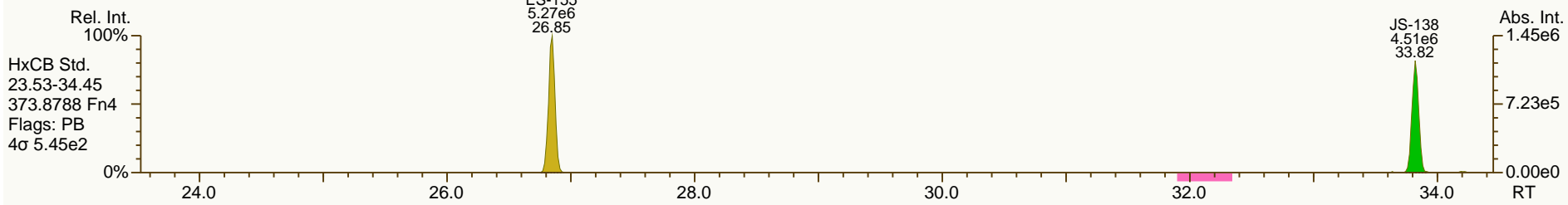
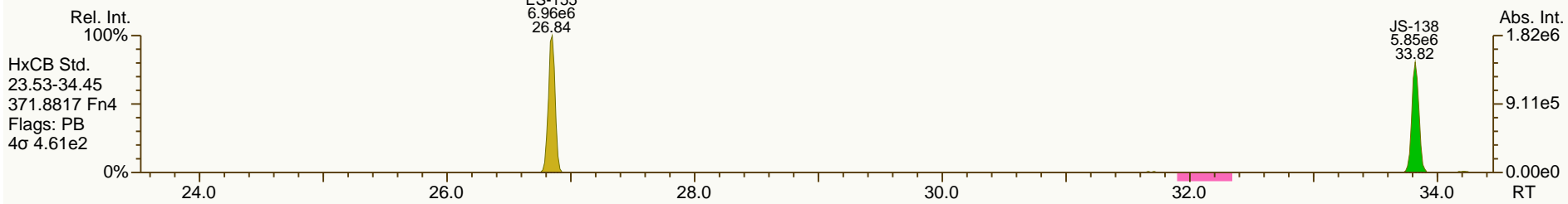
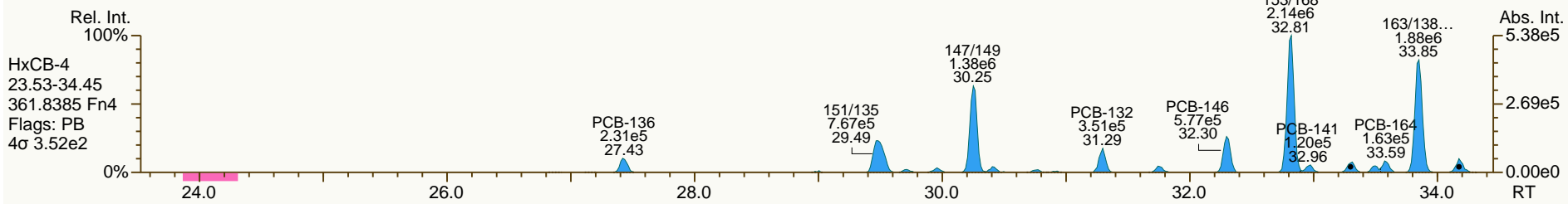
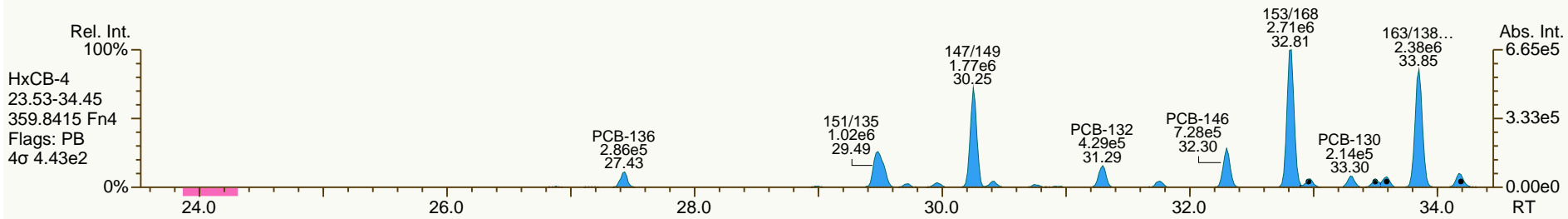
Acq: 03-Jul-2012 18:02:27
User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

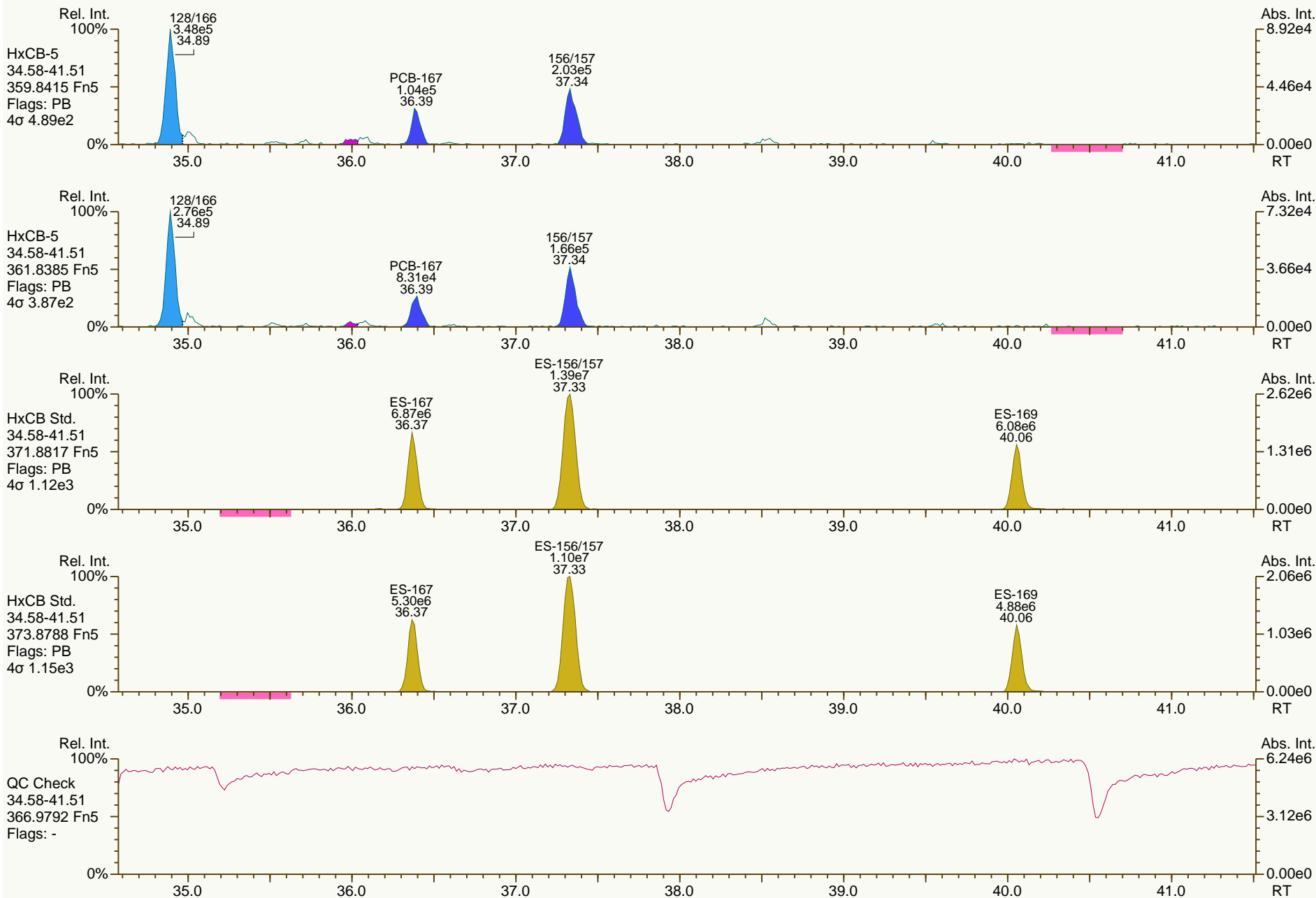
Acq: 03-Jul-2012 18:02:27
 User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
VSIR El+: pcb-2011-08 GC: pcb90_b Vial: 20

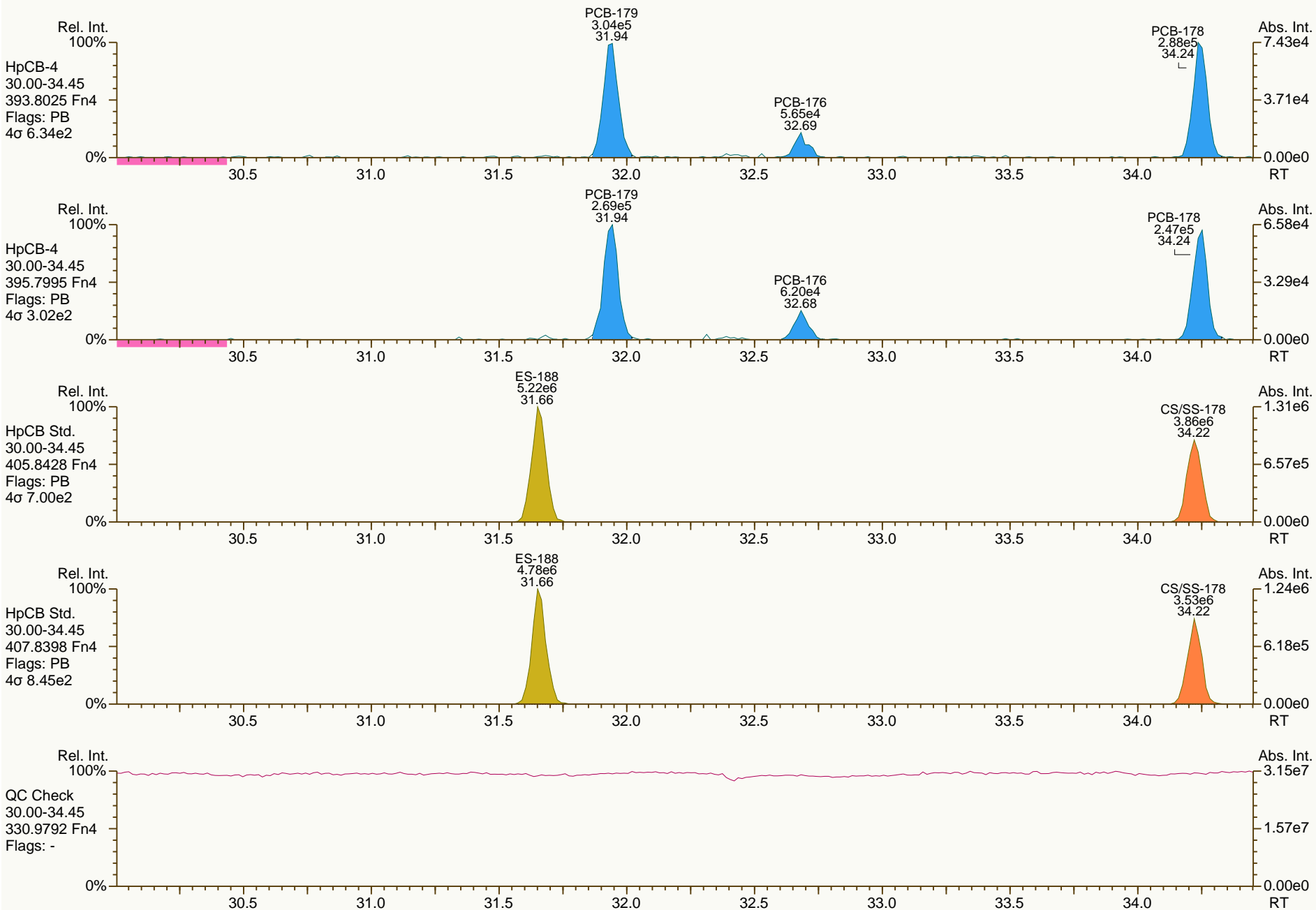
Acq: 03-Jul-2012 18:02:27
User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

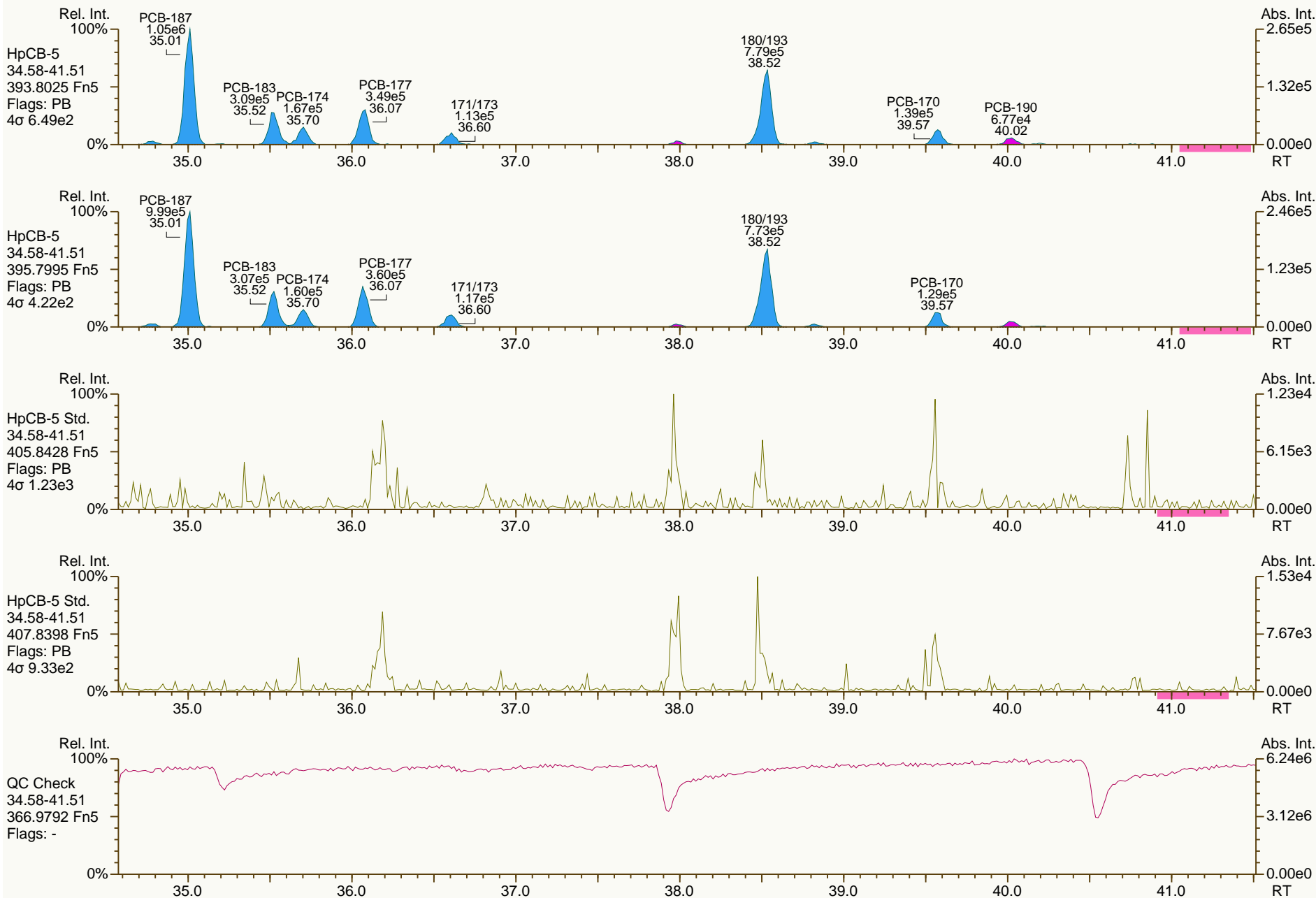
Acq: 03-Jul-2012 18:02:27
 User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

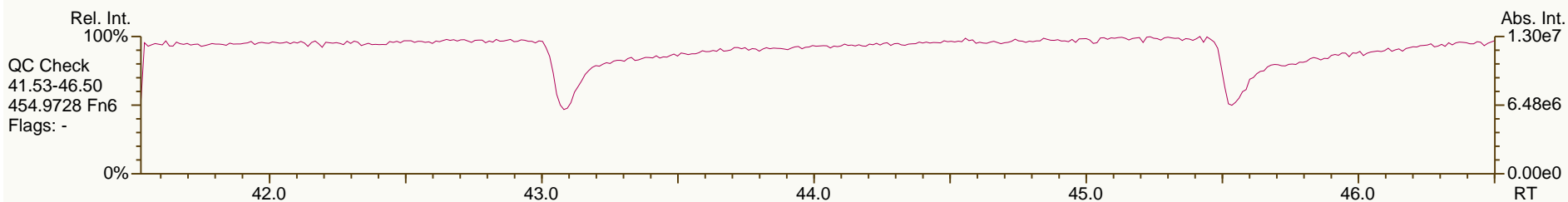
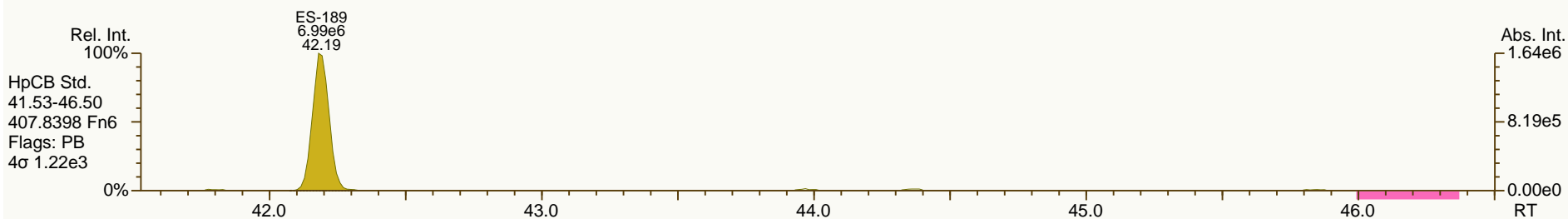
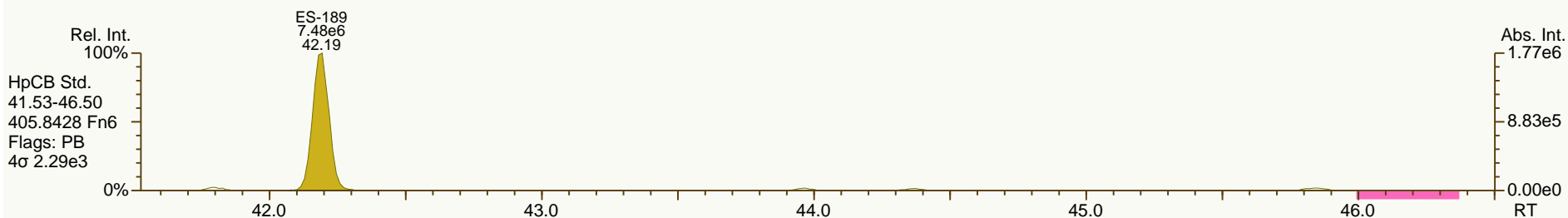
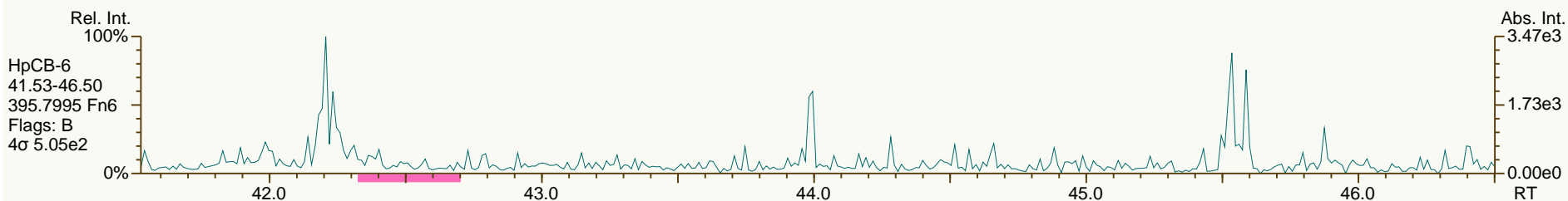
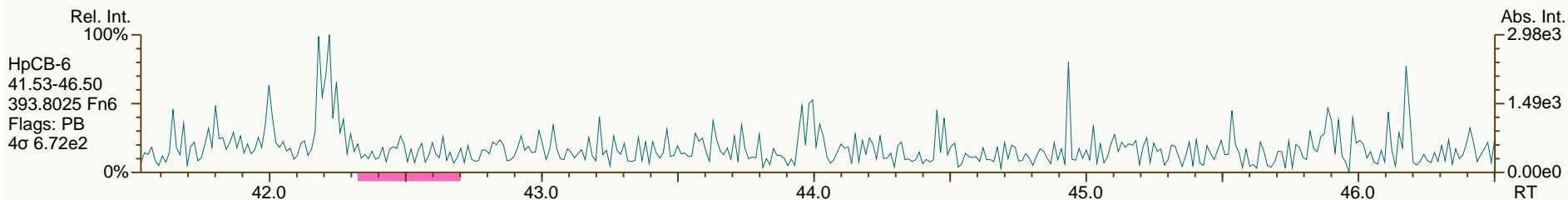
Acq: 03-Jul-2012 18:02:27
User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

Acq: 03-Jul-2012 18:02:27
User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

Acq: 03-Jul-2012 18:02:27
 User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

Acq: 03-Jul-2012 18:02:27
 User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

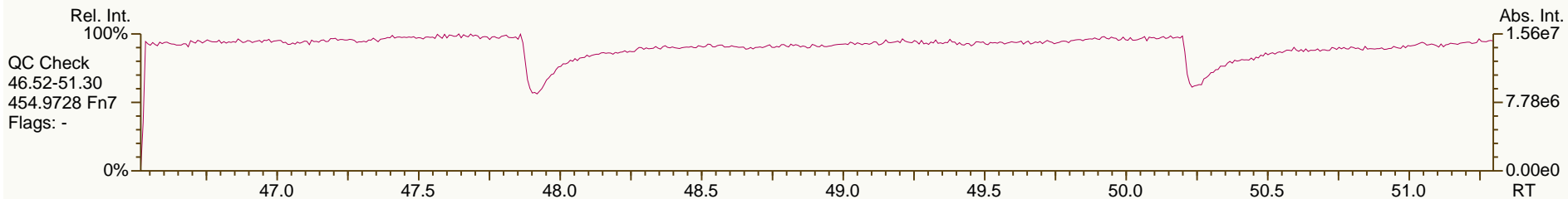
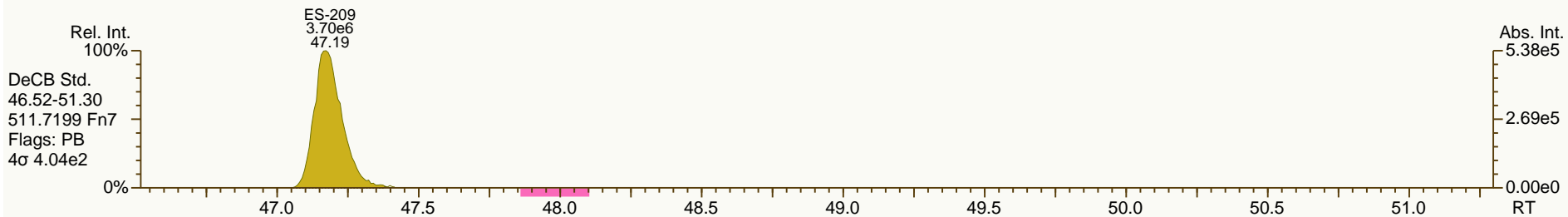
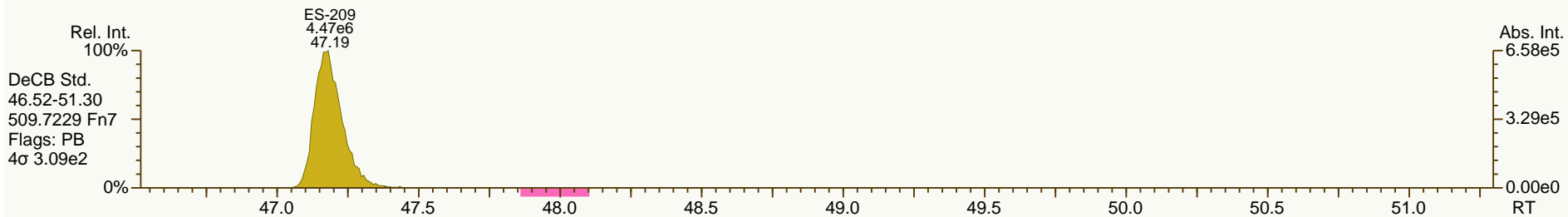
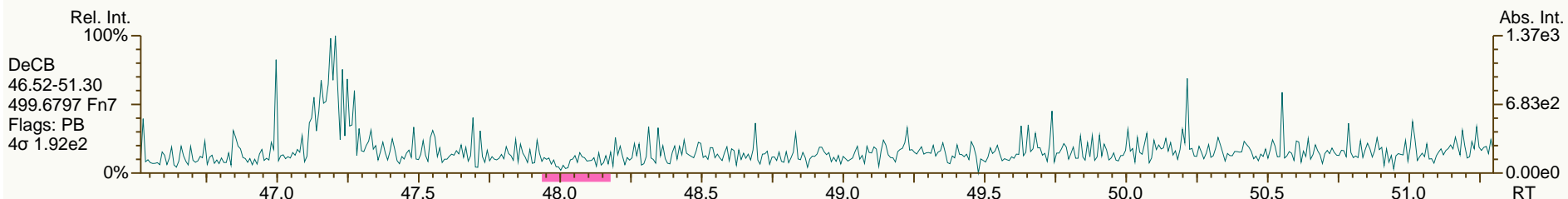
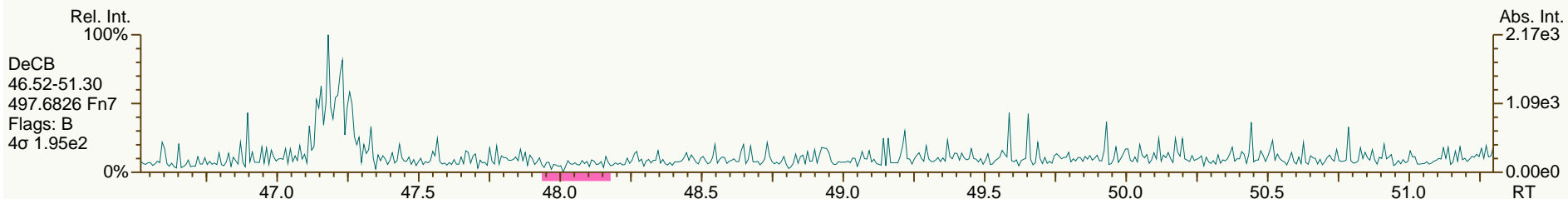
Acq: 03-Jul-2012 18:02:27
 User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

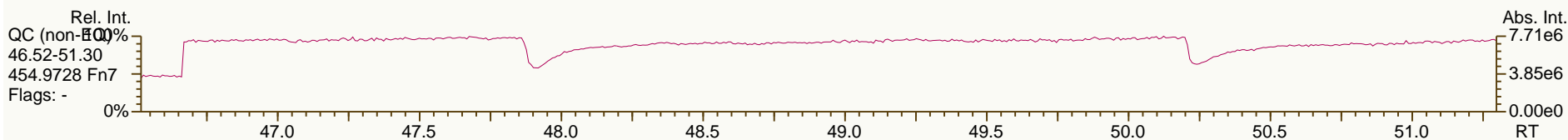
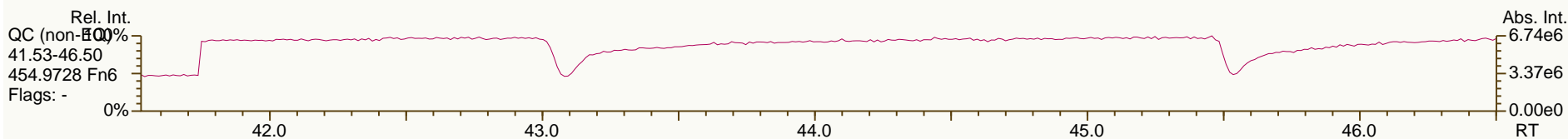
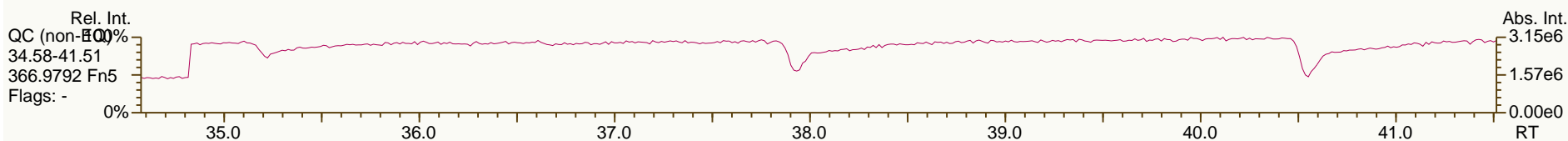
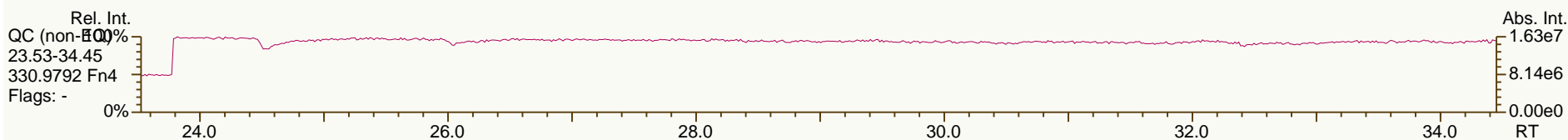
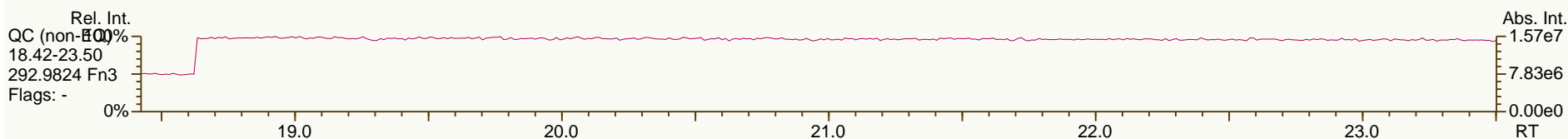
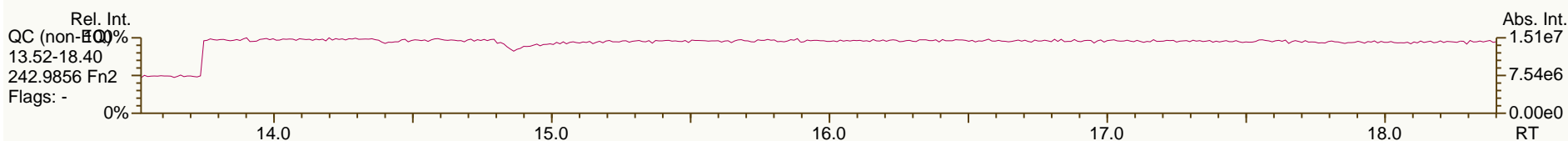
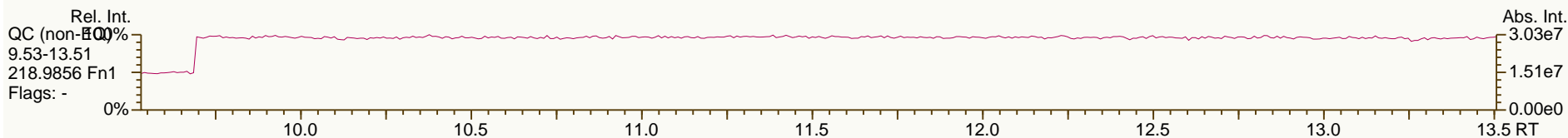
Acq: 03-Jul-2012 18:02:27
 User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

Acq: 03-Jul-2012 18:02:27
User: LKB Datafile: 120703S07



Lab ID: A4369_9892_PCB_002
 Client ID: JW-DR-TISSUE-120508
 Datafile: 120703S08

ACQ: 03-Jul-2012 18:57:31 LKB Wt/Vol: 10.70 g
 UTP: 06-Jul-2012 13:53 LKB J-level: 0.935 pg/g Split: 1
 RPT: 06-Jul-2012 13:55 LB Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

ICAL: MM4_PCB_01102012_26JAN12 CS3_120703_PCB_SC
 Checkcode: 012-099-BQG
 Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.26	EMPC	1.0006	1.0005	-0.2	6.52E+04	0.61	1.22	1.29	1.67E+03	0.338
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.67E+03	0.329
PCB-105 233'44'-PeCB	32.20		1.0007	1.0007	0	5.28E+05	0.61	1.03	15.9	1.33E+03	0.398
PCB-114 2344'5'-PeCB	31.67	J	1.0007	1.0007	0	2.98E+04	0.66	1.10	0.821	1.33E+03	0.368
PCB-118 23'44'5'-PeCB	31.23		1.0008	1.0008	0	1.38E+06	0.61	1.03	39.5	1.33E+03	0.385
PCB-123 23'44'5'-PeCB	30.95		1.0007	1.0005	-0.4	3.41E+04	0.69	0.93	1.15	1.33E+03	0.451
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.56E+03	0.382
PCB-156/157 ...-HxCB	37.34	C	1.0005	1.0003	-0.4	1.58E+05	1.29	1.05	5.01	9.96E+02	0.423
PCB-167 23'44'55'-HxCB	36.39		1.0006	1.0006	0	8.61E+04	1.11	1.08	2.38	9.96E+02	0.29
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	9.96E+02	0.324
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.04E+03	0.262
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	3.72E+02	0.247
ES PCB-1	9.83		0.7181	0.7174	-0.4	6.98E+06	3.28	1.01	56.5 %	4%	100%
ES PCB-3	11.77		0.8583	0.8583	0	7.31E+06	3.32	1.05	56.9 %	11%	106%
ES PCB-4	11.97		0.8732	0.8729	-0.2	4.46E+06	1.63	0.70	52.4 %	14%	107%
ES PCB-15	17.08		1.2453	1.2459	+0.6	9.27E+06	1.64	1.17	64.8 %	19%	107%
ES PCB-19	14.66		1.0698	1.0696	-0.2	4.28E+06	1.09	0.57	61.8 %	1%	108%
ES PCB-37	23.06		1.0865	1.0869	+0.6	7.52E+06	1.09	1.41	86.5 %	25%	123%
ES PCB-54	17.30		0.8157	0.8155	-0.2	5.23E+06	0.77	1.32	64.2 %	13%	105%
ES PCB-77	29.24		1.3777	1.3781	+0.7	7.71E+06	0.82	1.22	103 %	31%	109%
ES PCB-81	28.77		1.3557	1.3561	+0.7	7.65E+06	0.81	1.15	108 %	14%	127%
ES PCB-104	22.02		0.8147	0.8147	0	5.45E+06	1.57	1.69	55.9 %	36%	115%
ES PCB-105	32.18		1.1906	1.1908	+0.4	6.05E+06	1.59	1.21	86.8 %	50%	111%
ES PCB-114	31.65		1.1709	1.1711	+0.4	6.17E+06	1.57	1.23	86.6 %	41%	121%
ES PCB-118	31.21		1.1547	1.1548	+0.2	6.30E+06	1.63	1.25	87.5 %	49%	111%
ES PCB-123	30.93		1.1444	1.1446	+0.4	5.96E+06	1.57	1.33	77.7 %	49%	116%
ES PCB-126	34.79		1.2871	1.2875	+0.8	7.27E+06	1.66	1.36	92.7 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.85		0.7939	0.7937	-0.3	6.13E+06	1.25	1.40	83.2 %	25%	124%
ES PCB-156/157	37.33		1.1035	1.1036	+0.2	1.13E+07	1.29	1.13	94.8 %	40%	120%
ES PCB-167	36.37		1.0753	1.0754	+0.2	6.24E+06	1.24	1.13	105 %	45%	118%
ES PCB-169	40.06		1.1842	1.1843	+0.2	5.71E+06	1.24	1.14	95.3 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.66		0.7204	0.7201	-0.6	5.29E+06	1.04	1.34	75.3 %	23%	125%
ES PCB-189	42.19		0.9598	0.9597	-0.3	7.29E+06	1.06	1.77	97 %	47%	116%
ES PCB-202	36.17		0.8230	0.8228	-0.4	5.89E+06	0.90	1.27	88.3 %	31%	134%
ES PCB-205	44.36		1.0090	1.0090	0	4.96E+06	0.87	1.25	93.3 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.83		1.0424	1.0425	+0.3	3.46E+06	0.75	1.07	76.2 %	38%	122%
ES PCB-208	41.79		0.9508	0.9507	-0.3	5.29E+06	0.82	1.34	92.9 %	31%	126%
ES PCB-209	47.18		1.0732	1.0733	+0.3	4.04E+06	1.20	1.18	80.1 %	43%	115%
CS/SS PCB-28	19.67		0.9269	0.9269	0	7.73E+06	1.11	0.98	105 %	14%	131%
CS/SS PCB-111	29.31	V	1.0843	1.0844	+0.2	6.51E+06	1.63	0.90	122 %	57%	112%
CS/SS PCB-178	34.22		1.0118	1.0118	0	3.72E+06	1.17	0.65	109 %	57%	125%
CS PCB-28	19.67		0.9269	0.9269	0	7.73E+06	1.11	1.39	90.7 %	14%	131%
CS PCB-111	29.31		1.0843	1.0844	+0.2	6.51E+06	1.63	1.19	94.5 %	57%	112%
CS PCB-178	34.22		1.0118	1.0118	0	3.72E+06	1.17	0.87	81.7 %	57%	125%
JS PCB-9	13.71					1.22E+07	1.62				
JS PCB-52	21.22					6.16E+06	0.74				
JS PCB-101	27.02					5.78E+06	1.57				
JS PCB-138	33.82					5.24E+06	1.27				
JS PCB-194	43.96					4.26E+06	0.90				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	6.69	6.69	0.38		
						Di-CBs	144	144	1.6		
						Tri-CBs	58.5	62.5	0.563		
						Tetra-CBs	161	164	0.311		
						Penta-CBs	343	344	0.388		
						Hexa-CBs	384	389	0.311		
						Hepta-CBs	137	139	0.375		
						Octa-CBs	25.5	30.3	0.268		
						Nona-CBs	0	0	0.404		
PCB-1 2-MoCB	9.85		1.0011	1.0011	0	8.81E+04	3.02	1.20	1.97	2.87E+03	0.334
PCB-2 3-MoCB	11.62		0.9878	0.9879	+0.1	1.32E+05	3.21	1.14	2.95	2.87E+03	0.421
PCB-3 4-MoCB	11.78		1.0010	1.0008	-0.1	7.85E+04	2.79	1.13	1.78	2.87E+03	0.426
PCB-4 22'-DiCB	11.98		1.0012	1.0010	-0.1	6.84E+04	SI	0.94	3.03	7.84E+03	2.23
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.67	ND	2.39E+04	3.84
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.89	ND	2.69E+04	5.09
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.05	ND	2.69E+04	4.32
PCB-6 23'-DiCB	14.07		1.0261	1.0261	0	9.19E+04	SI	0.96	1.94	5.79E+03	1.02
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.94	ND	2.69E+04	4.82
PCB-8 24'-DiCB	14.44		1.0533	1.0535	+0.2	2.98E+05	SI	1.01	5.96	5.79E+03	0.964
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.10	ND	2.69E+04	4.11
PCB-11 33'-DiCB	16.57		0.9701	0.9700	-0.1	6.07E+06	1.44	0.94	130	2.69E+04	4.83
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00		0.94	ND	2.69E+04	4.8
PCB-15 44'-DiCB	17.09		1.0008	1.0005	-0.3	1.10E+05	SI	1.01	2.21	5.79E+03	0.967

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.68		1.0011	1.0012	+0.1	2.66E+04	1.00	1.01	1.15	1.64E+03	0.515
PCB-30/18 246/22'5-TrCB	16.30	C	1.1110	1.1116	+0.6	2.45E+05	1.01	1.23	8.73	1.64E+03	0.425
PCB-17 22'4-TrCB	16.66		1.1357	1.1359	+0.2	1.11E+05	1.11	1.05	4.65	1.64E+03	0.498
PCB-27 23'6-TrCB	16.83		1.1479	1.1478	-0.1	3.89E+04	0.99	1.38	1.23	1.64E+03	0.378
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.30	ND	1.64E+03	0.4
PCB-16 22'3-TrCB	17.04	EMPC	1.1612	1.1618	+0.6	7.68E+04	1.29	0.85	3.93	1.64E+03	0.611
PCB-32 24'6-TrCB	17.49		1.1923	1.1927	+0.4	1.07E+05	0.99	1.46	3.18	1.64E+03	0.356
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.24	ND	3.04E+03	0.59
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.27	ND	3.04E+03	0.573
PCB-26/29 23'5/245-TrCB	18.97	C	0.8236	0.8225	-1.3	1.47E+05	1.04	1.29	2.83	3.04E+03	0.568
PCB-25 23'4-TrCB	19.17		0.8315	0.8312	-0.3	7.76E+04	0.95	1.29	1.5	3.04E+03	0.567
PCB-31 24'5-TrCB	19.43		0.8430	0.8427	-0.3	5.33E+05	1.09	1.33	10	3.04E+03	0.551
PCB-28/20 244'/233'-TrCB	19.69	C	0.8542	0.8537	-0.6	6.38E+05	1.03	1.26	12.6	3.04E+03	0.581
PCB-21/33 234/23'4'-TrCB	19.88	C	0.8612	0.8621	+1.1	2.13E+05	1.04	1.31	4.04	3.04E+03	0.559
PCB-22 234'-TrCB	20.21		0.8766	0.8764	-0.2	2.00E+05	1.04	1.21	4.08	3.04E+03	0.602
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.26	ND	3.04E+03	0.581
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.32	ND	3.04E+03	0.554
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.18	ND	3.04E+03	0.619
PCB-35 33'4-TrCB	22.73		0.9860	0.9856	-0.5	6.06E+04	1.11	1.15	1.31	3.04E+03	0.635
PCB-37 344'-TrCB	23.08		1.0008	1.0008	0	1.55E+05	1.06	1.20	3.21	3.04E+03	0.61
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	8.62E+02	0.263
PCB-50/53 22'46/22'56'-TeCB	19.18	C	0.9051	0.9040	-1.3	7.53E+04	0.71	0.83	2.23	1.00E+03	0.299
PCB-45 22'36-TeCB	19.75		0.9304	0.9306	+0.2	5.04E+04	0.88	0.68	1.81	1.00E+03	0.363
PCB-51 22'46'-TeCB	19.82		0.9340	0.9341	+0.1	3.58E+04	0.78	0.84	1.04	1.00E+03	0.294
PCB-46 22'36'-TeCB	20.00	J	0.9429	0.9428	-0.1	1.92E+04	0.68	0.68	0.692	1.00E+03	0.364
PCB-52 22'55'-TeCB	21.24		1.0010	1.0010	0	8.60E+05	0.78	0.76	27.8	1.00E+03	0.326
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.97	ND	1.00E+03	0.254
PCB-43 22'35-TeCB	21.44	J EMPC	1.0106	1.0106	0	1.62E+04	0.62	0.70	0.563	1.00E+03	0.351
PCB-69/49 23'46/22'45'-TeCB	21.66	C	1.0198	1.0206	+1.0	4.66E+05	0.77	0.94	12.2	1.00E+03	0.264
PCB-48 22'45-TeCB	21.89		1.0319	1.0319	0	1.01E+05	0.76	0.77	3.23	1.00E+03	0.322
PCB-44/47/65 ...-TeCB	22.09	C	1.0416	1.0410	-0.8	6.75E+05	0.83	0.83	19.8	1.00E+03	0.297
PCB-59/62/75 ...-TeCB	22.36	C	1.0541	1.0537	-0.5	1.23E+05	0.80	1.06	2.83	1.00E+03	0.233
PCB-42 22'34'-TeCB	22.52		1.0612	1.0613	+0.1	1.48E+05	0.72	0.72	5.03	1.00E+03	0.344
PCB-41 22'34-TeCB	22.83	EMPC	1.0759	1.0758	-0.1	2.63E+04	1.04	0.64	1.01	1.00E+03	0.386
PCB-71/40 23'4'6/22'33'-TeCB	22.94	C	1.0806	1.0810	+0.6	2.39E+05	0.85	0.80	7.3	1.00E+03	0.308
PCB-64 234'6-TeCB	23.13		1.0899	1.0900	+0.1	3.34E+05	0.84	1.10	7.43	1.00E+03	0.225
PCB-72 23'55'-TeCB	23.87	J	0.8295	0.8295	0	2.98E+04	0.78	1.12	0.65	1.67E+03	0.366
PCB-68 23'45'-TeCB	24.11	J EMPC	0.8379	0.8379	0	1.97E+04	0.66	1.22	0.394	1.67E+03	0.336
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.09	ND	1.67E+03	0.374
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.11	ND	1.67E+03	0.368
PCB-67 23'45-TeCB	24.80		0.8620	0.8619	-0.1	1.02E+05	0.70	1.17	2.12	1.67E+03	0.349
PCB-63 234'5-TeCB	25.02		0.8697	0.8697	0	4.76E+04	0.85	1.22	0.952	1.67E+03	0.335
PCB-61/70/74/76 ...-TeCB	25.31	C	0.8792	0.8797	+0.8	1.55E+06	0.75	1.13	33.5	1.67E+03	0.362
PCB-66 23'44'-TeCB	25.57		0.8888	0.8887	-0.2	8.31E+05	0.80	1.06	19.1	1.67E+03	0.386
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.09	ND	1.67E+03	0.374

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.12		0.9080	0.9080	0	3.58E+05	0.73	1.06	8.23	1.67E+03	0.386
PCB-60 2344'-TeCB	26.31		0.9144	0.9143	-0.2	1.87E+05	0.82	1.09	4.19	1.67E+03	0.376
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	1.67E+03	0.334
PCB-79 33'45'-TeCB	27.96	J	0.9718	0.9717	-0.2	3.16E+04	0.79	1.21	0.64	1.67E+03	0.34
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.02	ND	1.67E+03	0.404
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	1.01E+03	0.342
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.89	ND	1.01E+03	0.352
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.83	ND	1.33E+03	0.505
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.72	ND	1.33E+03	0.579
PCB-95 22'35'6'-PeCB	24.55		0.9082	0.9083	+0.1	9.26E+05	0.62	0.75	38.6	1.33E+03	0.554
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.77	ND	1.33E+03	0.542
PCB-102 22'456'-PeCB	24.86	EMPC	0.9198	0.9201	+0.4	3.54E+04	0.50	0.88	1.26	1.33E+03	0.474
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.68	ND	1.33E+03	0.615
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.68	ND	1.33E+03	0.616
PCB-91 22'34'6'-PeCB	25.28		0.9352	0.9354	+0.3	1.88E+05	0.60	0.85	6.95	1.33E+03	0.492
PCB-84 22'33'6'-PeCB	25.45		0.9416	0.9416	0	2.08E+05	0.60	0.66	9.92	1.33E+03	0.636
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.68	ND	1.33E+03	0.609
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.01	ND	1.33E+03	0.414
PCB-92 22'355'-PeCB	26.55		0.9825	0.9825	0	3.90E+05	0.59	0.71	17.2	1.33E+03	0.586
PCB-113/90/101 ...-PeCB	27.05	C	0.9999	1.0008	+1.5	1.57E+06	0.60	0.86	57.3	1.33E+03	0.485
PCB-83 22'33'5'-PeCB	27.43		1.0150	1.0149	-0.2	9.62E+04	0.66	0.62	4.87	1.33E+03	0.673
PCB-99 22'44'5'-PeCB	27.54		1.0190	1.0189	-0.2	8.94E+05	0.57	0.77	36.6	1.33E+03	0.544
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	1.33E+03	0.403
PCB-108/119/86/97/125...-PeCB	27.98	C	1.0347	1.0355	+1.3	8.96E+05	0.62	0.89	31.6	1.33E+03	0.469
PCB-117 234'56'-PeCB	28.49		1.0539	1.0541	+0.3	6.43E+04	0.63	0.70	2.87	1.33E+03	0.594
PCB-116/85 23456/22'344'-PeCB	28.56	C	1.0566	1.0567	+0.2	2.81E+05	0.60	0.98	8.97	1.33E+03	0.424
PCB-110 233'4'6'-PeCB	28.69		1.0615	1.0617	+0.3	1.77E+06	0.61	0.97	57.1	1.33E+03	0.43
PCB-115 2344'6'-PeCB	28.78		1.0644	1.0648	+0.7	4.88E+04	0.60	1.00	1.52	1.33E+03	0.416
PCB-82 22'33'4'-PeCB	28.95		1.0711	1.0711	0	1.18E+05	0.63	0.63	5.88	1.33E+03	0.663
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.01	ND	1.33E+03	0.414
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.02	ND	1.33E+03	0.409
PCB-107/124 ...-PeCB	30.66	C	0.9909	0.9911	+0.4	6.03E+04	0.53	0.95	1.98	1.33E+03	0.438
PCB-109 233'46'-PeCB	30.86		0.9976	0.9976	0	1.51E+05	0.70	1.05	4.51	1.33E+03	0.397
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.97	ND	1.33E+03	0.428
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.91	ND	1.33E+03	0.442
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.98	ND	1.33E+03	0.415
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	7.53E+02	0.208
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.98	ND	7.53E+02	0.224
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.00	ND	7.53E+02	0.221
PCB-136 22'33'66'-HxCB	27.43		1.0216	1.0217	+0.2	2.30E+05	1.32	0.92	7.65	7.53E+02	0.24
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.93	ND	7.53E+02	0.236
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.72	ND	7.53E+02	0.305
PCB-151/135 ...-HxCB	29.49	C	1.0986	1.0985	-0.2	7.99E+05	1.26	0.71	34.2	7.53E+02	0.309
PCB-154 22'44'56'-HxCB	29.72		1.1067	1.1069	+0.4	5.24E+04	1.30	0.79	2.02	7.53E+02	0.278
PCB-144 22'345'6'-HxCB	29.96		1.1158	1.1160	+0.4	7.19E+04	1.23	0.72	3.06	7.53E+02	0.307

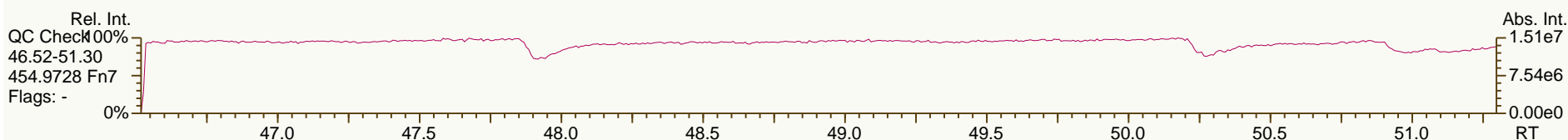
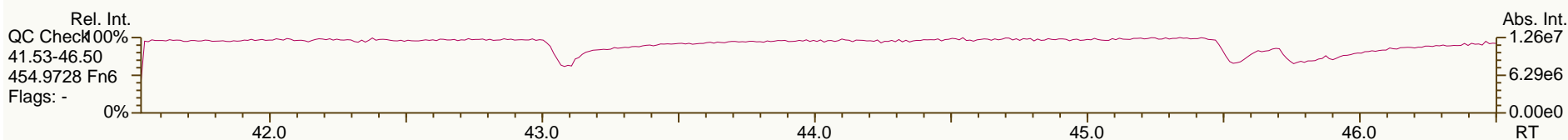
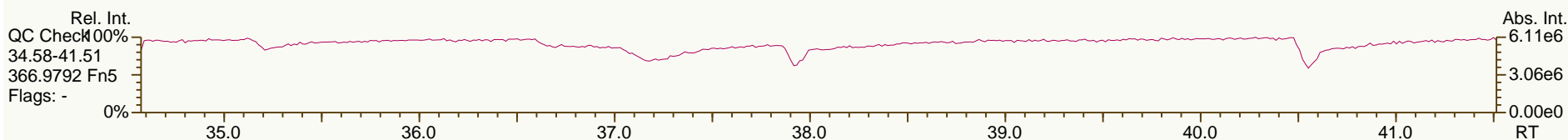
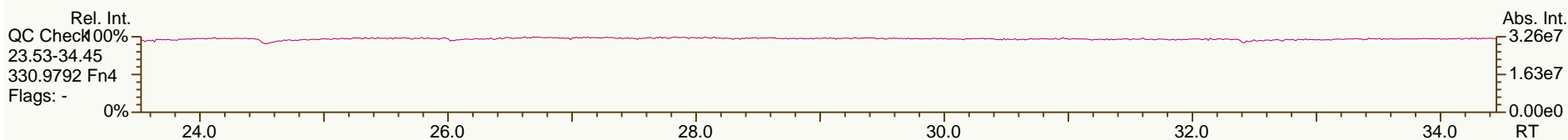
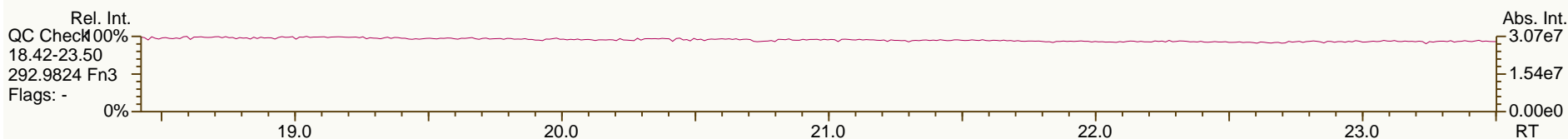
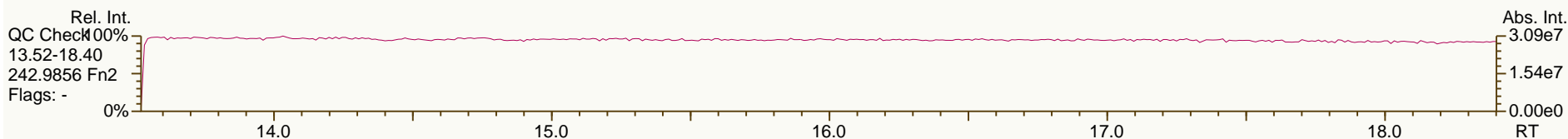
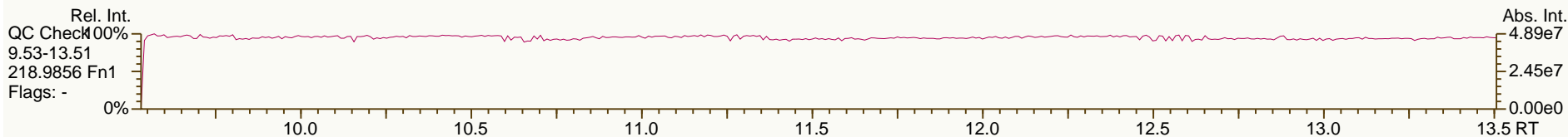
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.25	C	1.1269	1.1269	0	1.56E+06	1.19	0.73	64.9	7.53E+02	0.3
PCB-134 22'33'56"-HxCB	30.41	EMPC	1.1326	1.1327	+0.2	1.02E+05	1.05	0.60	5.15	7.53E+02	0.366
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00		0.70	ND	7.53E+02	0.316
PCB-139/140 ...-HxCB	30.76	J C	1.1458	1.1458	0	4.49E+04	1.17	0.75	1.83	7.53E+02	0.294
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00		0.62	ND	7.53E+02	0.354
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.67	ND	7.53E+02	0.326
PCB-132 22'33'46"-HxCB	31.29		1.1655	1.1657	+0.4	4.27E+05	1.30	0.67	19.5	7.53E+02	0.328
PCB-133 22'33'55"-HxCB	31.76		1.1826	1.1829	+0.6	8.95E+04	1.40	0.66	4.11	7.53E+02	0.331
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.83	ND	7.53E+02	0.266
PCB-146 22'34'55"-HxCB	32.30		0.9550	0.9549	-0.2	6.11E+05	1.30	0.72	25.7	7.53E+02	0.303
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.95	ND	7.53E+02	0.233
PCB-153/168 ...-HxCB	32.82	C	0.9709	0.9702	-1.4	2.42E+06	1.25	0.89	83	7.53E+02	0.248
PCB-141 22'34'55"-HxCB	32.97		0.9746	0.9747	+0.2	1.45E+05	1.31	0.67	6.61	7.53E+02	0.329
PCB-130 22'33'45"-HxCB	33.30		0.9847	0.9846	-0.2	1.90E+05	1.35	0.61	9.43	7.53E+02	0.358
PCB-137 22'34'4'5"-HxCB	33.49		0.9904	0.9902	-0.4	9.91E+04	1.29	0.72	4.2	7.53E+02	0.305
PCB-164 233'4'5'6"-HxCB	33.58		0.9930	0.9929	-0.2	2.01E+05	1.25	0.93	6.58	7.53E+02	0.236
PCB-163/138/129 ...-HxCB	33.85	C	1.0012	1.0008	-0.8	2.13E+06	1.21	0.76	85.8	7.53E+02	0.29
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.91	ND	7.53E+02	0.241
PCB-158 233'44'6"-HxCB	34.18		1.0106	1.0106	0	2.28E+05	1.20	0.96	7.25	7.53E+02	0.229
PCB-128/166 ...-HxCB	34.90	C	0.9593	0.9594	+0.2	3.34E+05	1.23	0.90	11.1	9.96E+02	0.347
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.06	ND	9.96E+02	0.296
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.09	ND	9.96E+02	0.286
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	9.76E+02	0.325
PCB-179 22'33'566"-HpCB	31.94		1.0089	1.0088	-0.2	3.01E+05	1.03	1.09	9.72	9.76E+02	0.317
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.05	ND	9.76E+02	0.33
PCB-176 22'33'466"-HpCB	32.69		1.0324	1.0325	+0.2	7.39E+04	0.91	1.17	2.22	9.76E+02	0.296
PCB-186 22'34'566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.13	ND	9.76E+02	0.307
PCB-178 22'33'55'6"-HpCB	34.24		1.0816	1.0817	+0.2	2.77E+05	0.98	0.82	11.9	9.76E+02	0.423
PCB-175 22'33'45'6"-HpCB	34.77	EMPC	1.0985	1.0984	-0.2	2.34E+04	1.29	0.86	0.958	1.14E+03	0.469
PCB-187 22'34'55'6"-HpCB	35.01		1.1057	1.1058	+0.2	1.05E+06	1.09	0.91	40.7	1.14E+03	0.444
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.93	ND	1.14E+03	0.435
PCB-183 22'34'4'5'6"-HpCB	35.53		1.1219	1.1222	+0.6	2.98E+05	1.03	1.00	10.5	1.14E+03	0.404
PCB-185 22'34'55'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.84	ND	1.14E+03	0.482
PCB-174 22'33'456"-HpCB	35.70		1.1276	1.1277	+0.2	1.80E+05	1.06	0.77	8.28	1.14E+03	0.526
PCB-177 22'33'45'6"-HpCB	36.07		1.1393	1.1394	+0.2	3.76E+05	1.09	0.77	17.3	1.14E+03	0.526
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.90	ND	1.14E+03	0.451
PCB-171/173 ...-HpCB	36.61	C	1.1556	1.1562	+1.3	1.20E+05	0.94	0.80	5.28	1.14E+03	0.504
PCB-172 22'33'455"-HpCB	37.99	EMPC	0.9003	0.9003	0	2.72E+04	0.88	0.72	0.974	1.14E+03	0.446
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.91	ND	1.14E+03	0.351
PCB-180/193 ...-HpCB	38.52	C	0.9127	0.9131	+0.9	7.79E+05	1.03	0.84	23.7	1.14E+03	0.379
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00		0.94	ND	1.14E+03	0.34
PCB-170 22'33'44'5"-HpCB	39.57		0.9380	0.9380	0	1.50E+05	0.96	0.70	5.53	1.14E+03	0.458
PCB-190 233'44'56"-HpCB	40.02		0.9486	0.9485	-0.2	6.99E+04	1.19	0.91	1.97	1.14E+03	0.35
PCB-202 22'33'55'66"-OoCB	36.19		1.0006	1.0006	0	2.17E+05	0.94	0.83	8.33	5.78E+02	0.242
PCB-201 22'33'45'66"-OoCB	36.97		1.0221	1.0221	0	6.73E+04	0.96	0.95	2.26	5.78E+02	0.211

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	5.78E+02	0.221
PCB-197 22'33'44'66'-OcCB	37.75	J	1.0431	1.0435	+0.9	2.58E+04	0.98	0.88	0.928	5.78E+02	0.226
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.84	ND	5.78E+02	0.238
PCB-198/199 ...-OcCB	40.18	C	1.1102	1.1109	+1.7	2.06E+05	0.88	0.67	9.73	5.78E+02	0.296
PCB-196 22'33'44'56'-OcCB	40.74	EMPC	1.1260	1.1262	+0.5	6.78E+04	0.74	0.68	3.15	5.78E+02	0.292
PCB-203 22'344'55'6-OcCB	40.90		1.1306	1.1309	+0.7	7.40E+04	0.97	0.72	3.27	5.78E+02	0.277
PCB-195 22'33'44'56-OcCB	42.00		0.9469	0.9469	0	1.72E+04	0.92	0.66	0.984	7.85E+02	0.488
PCB-194 22'33'44'55'-OcCB	43.98	EMPC	0.9915	0.9915	0	3.26E+04	0.70	0.72	1.69	7.85E+02	0.443
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	7.85E+02	0.294
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.98	ND	6.56E+02	0.304
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		0.99	ND	6.56E+02	0.299
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.93	ND	6.56E+02	0.503

AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

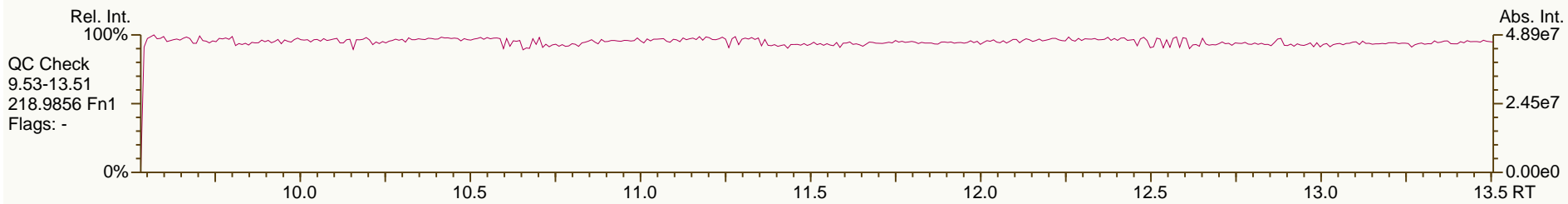
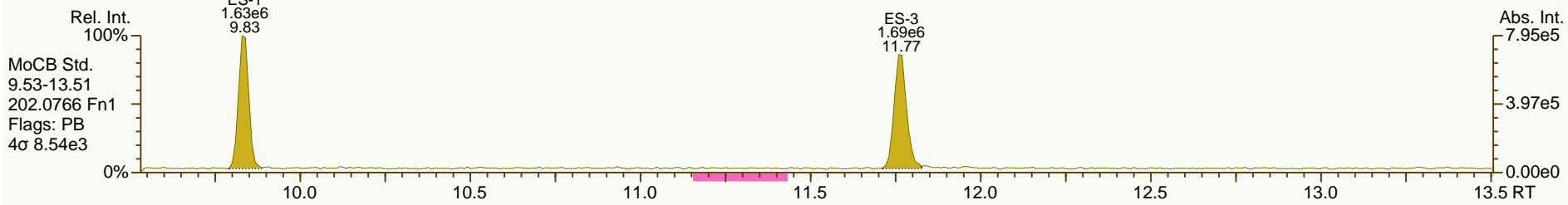
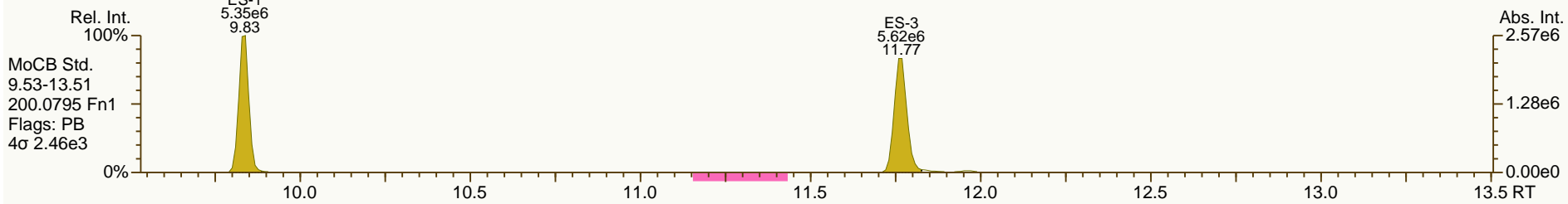
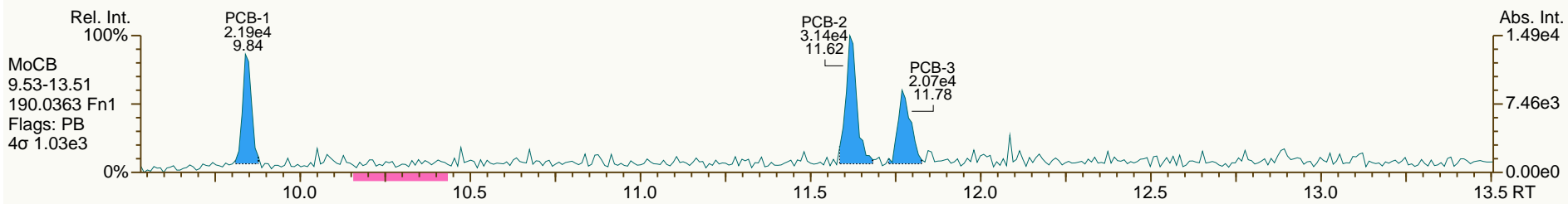
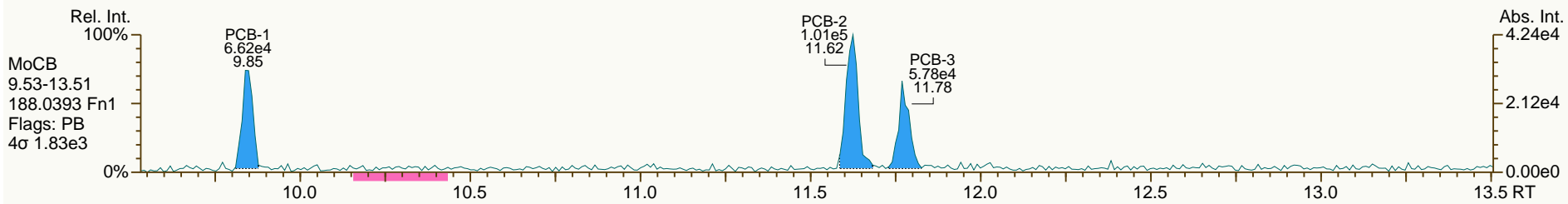
Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

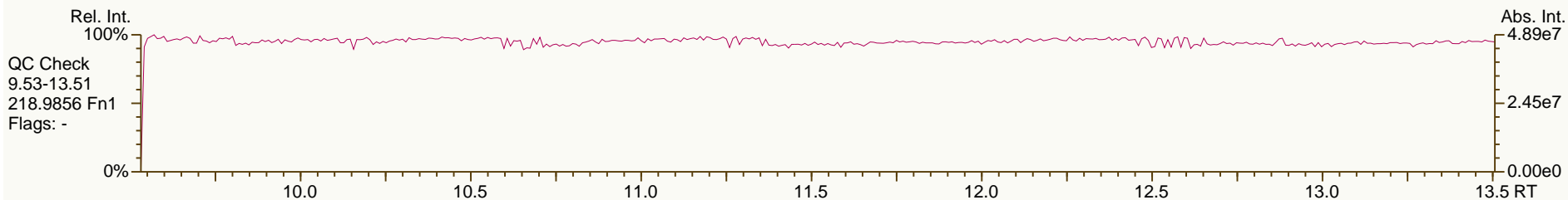
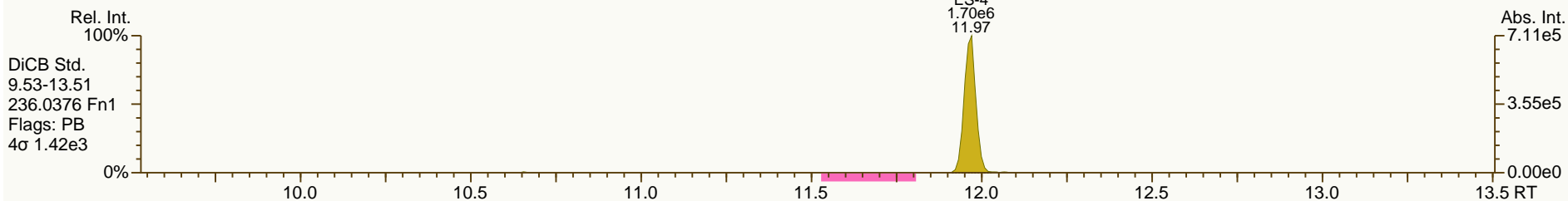
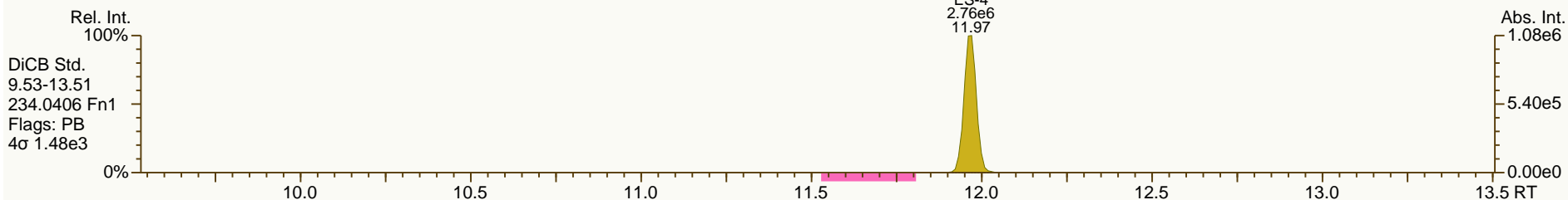
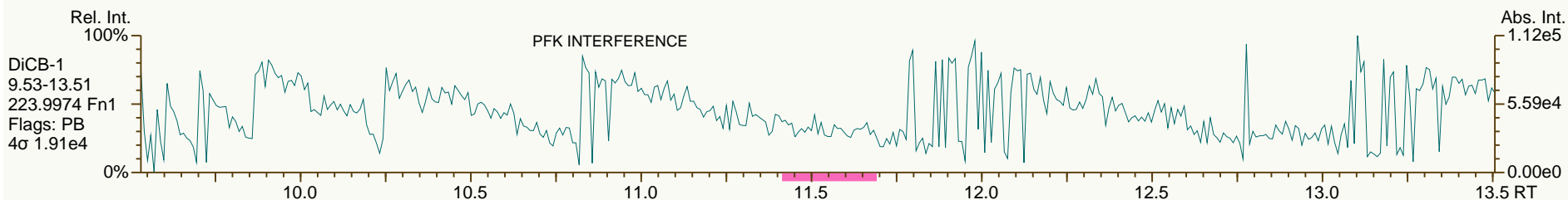
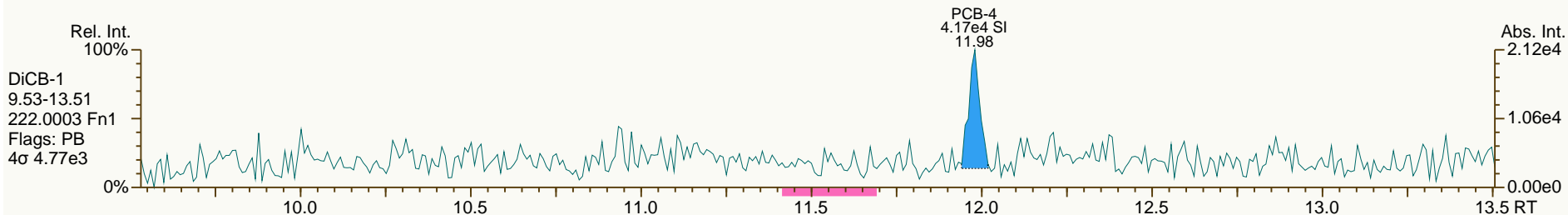
Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

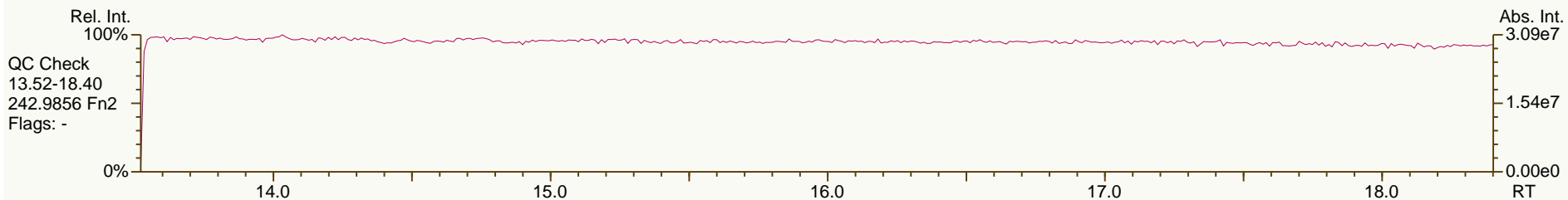
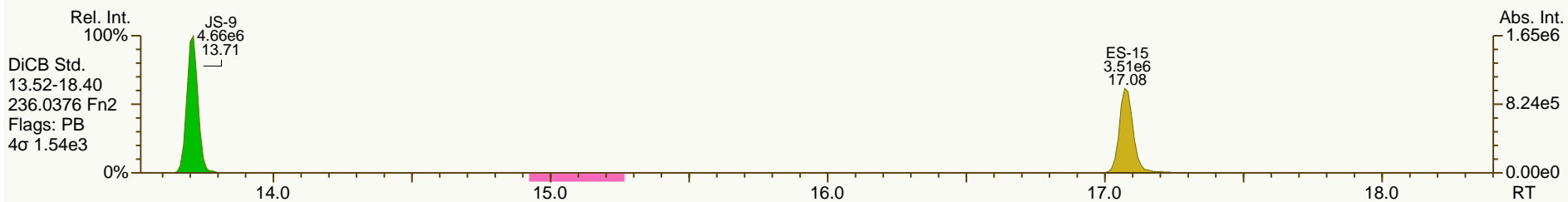
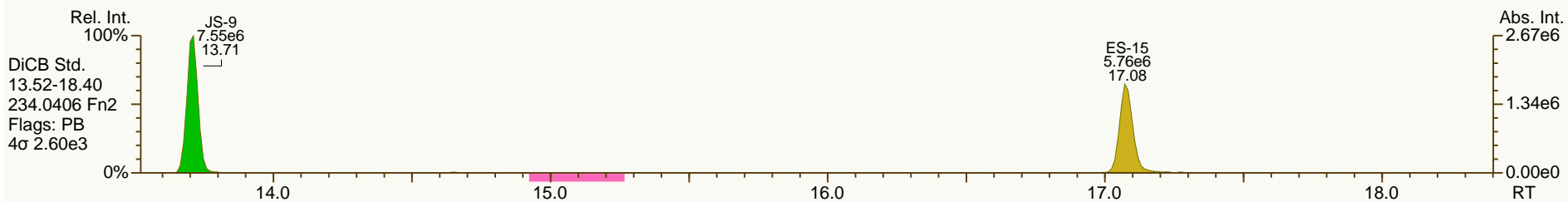
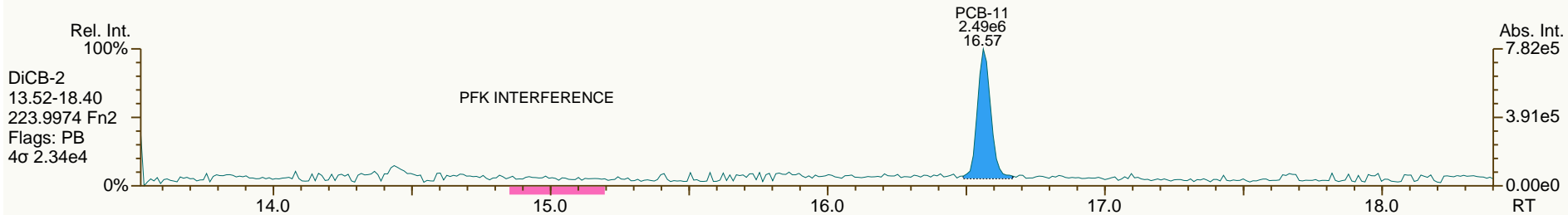
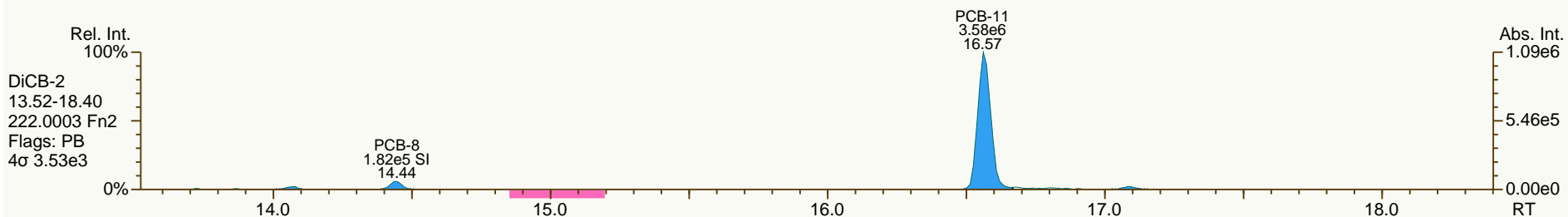
Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TOISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

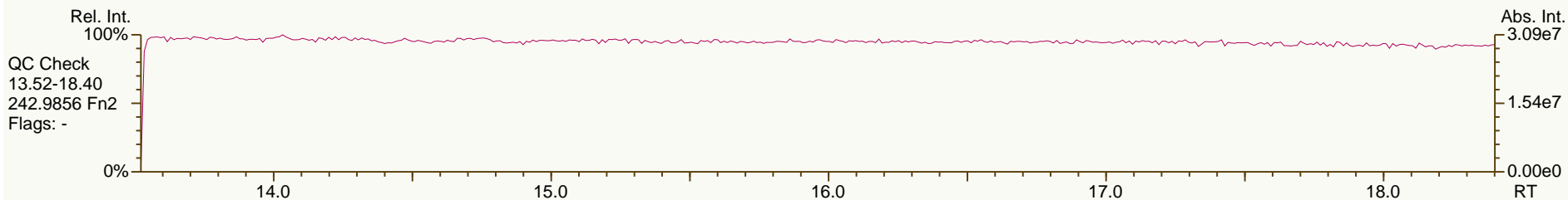
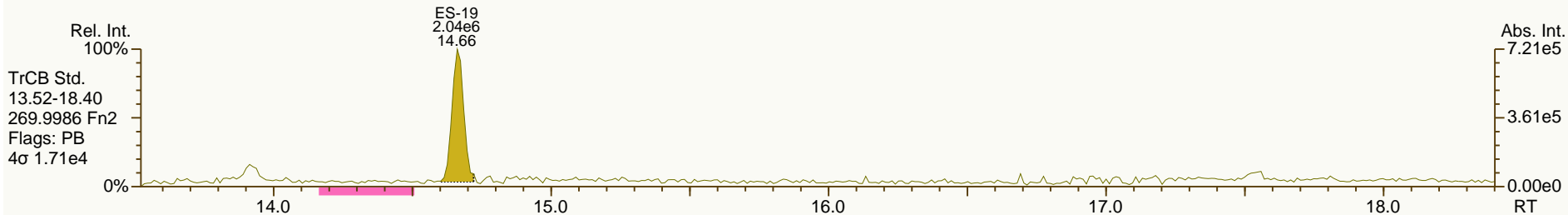
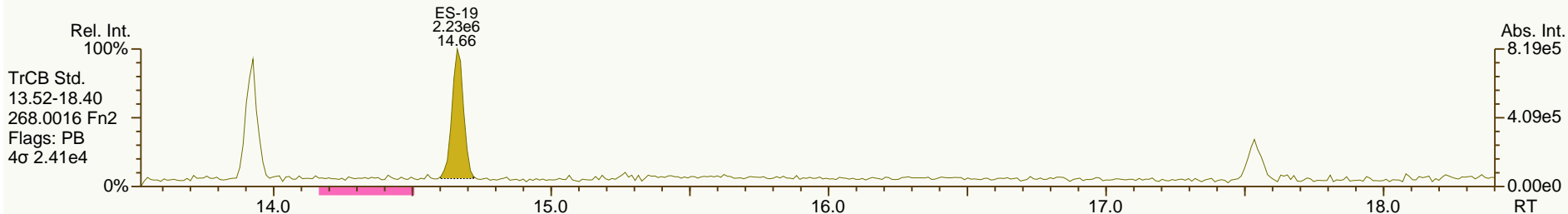
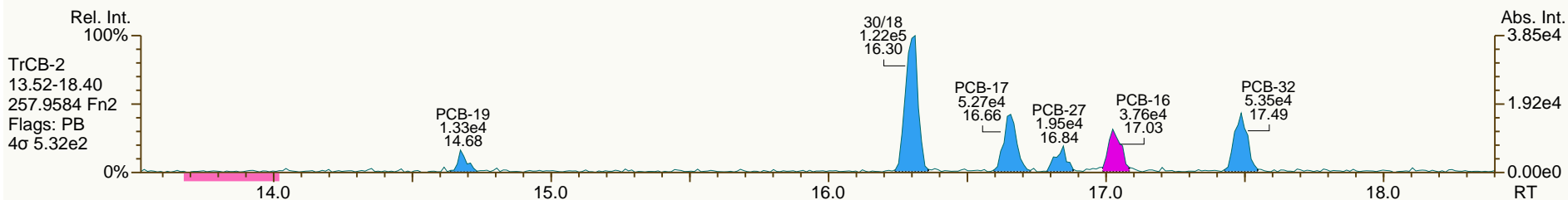
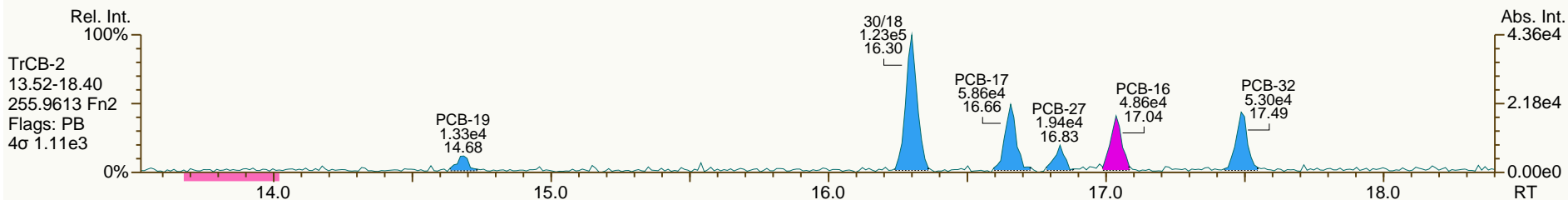
Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

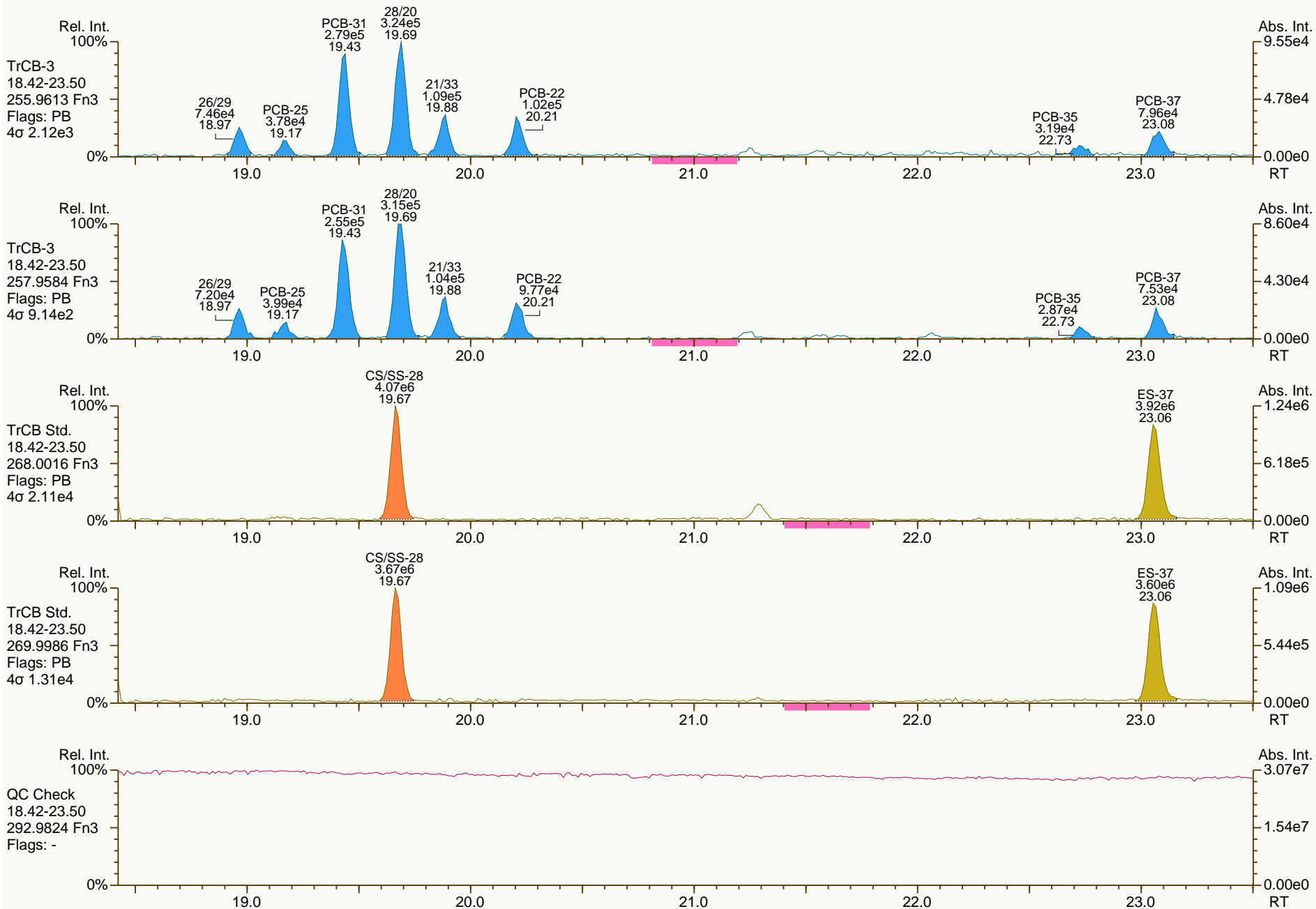
Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TOISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

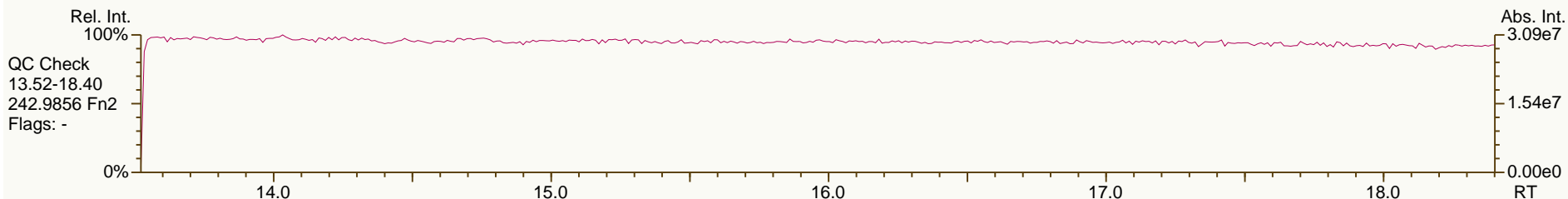
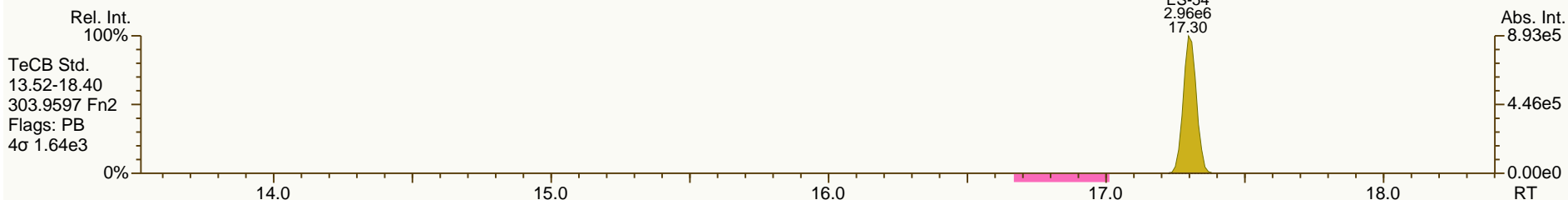
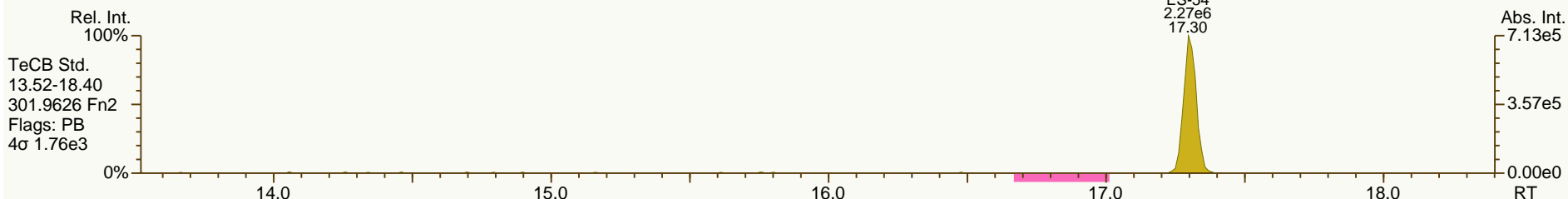
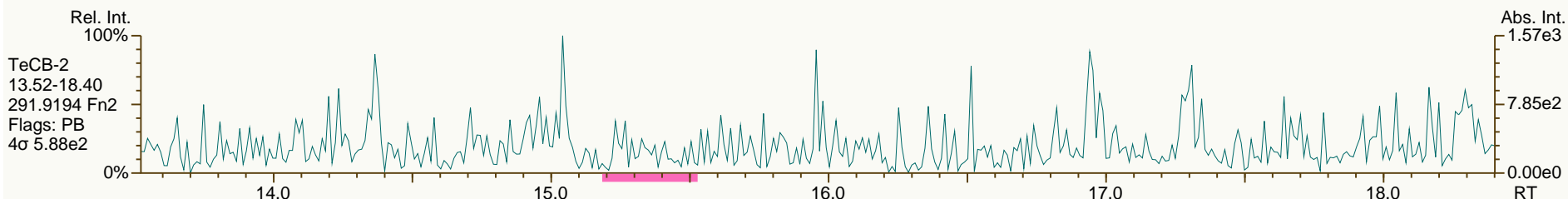
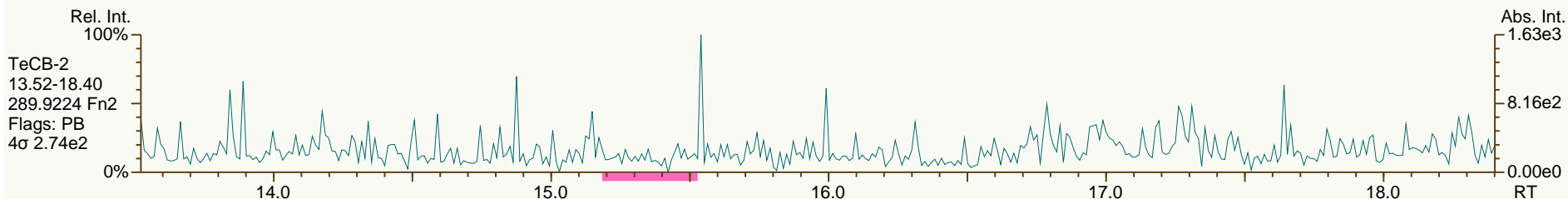
Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

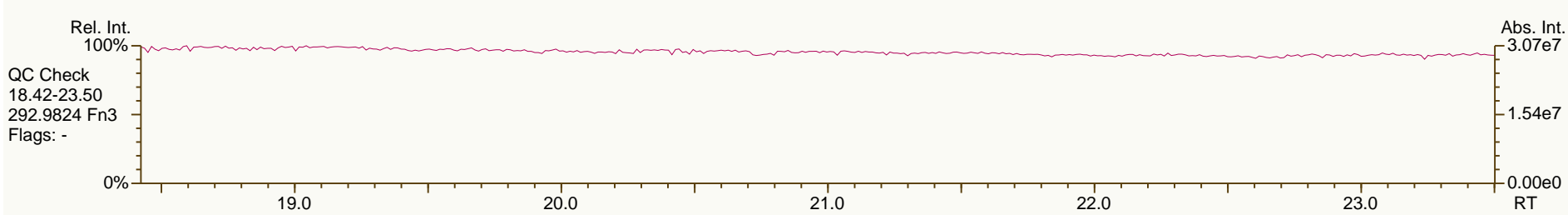
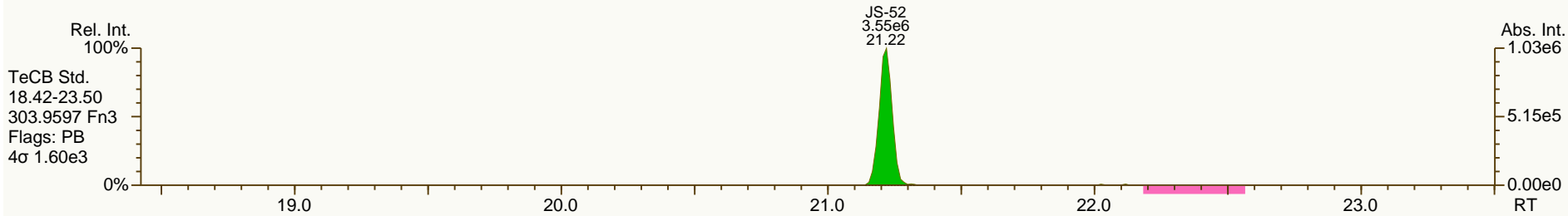
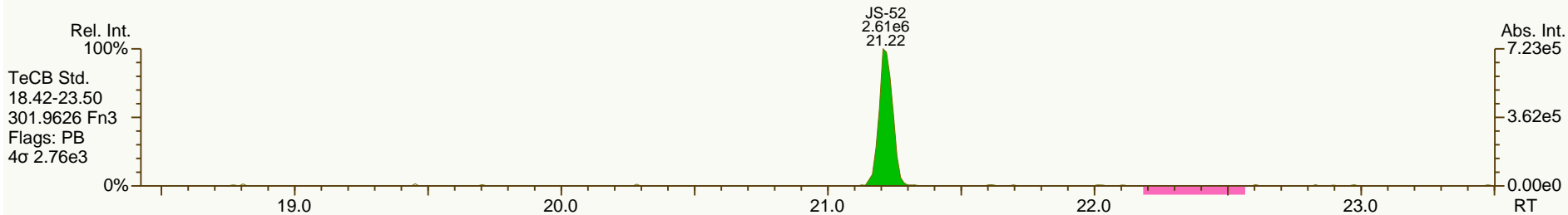
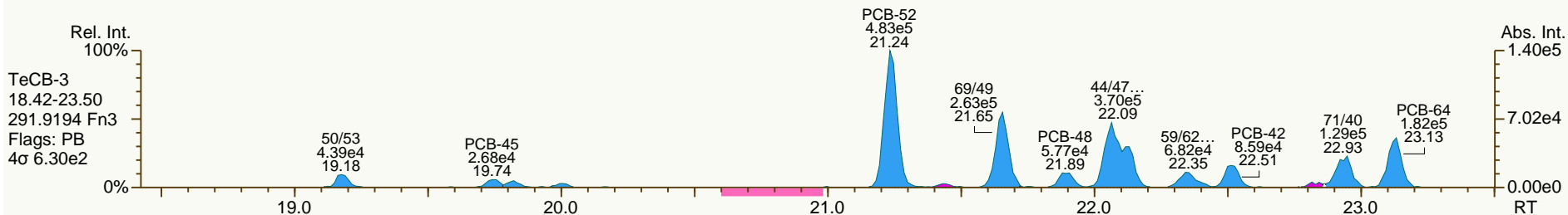
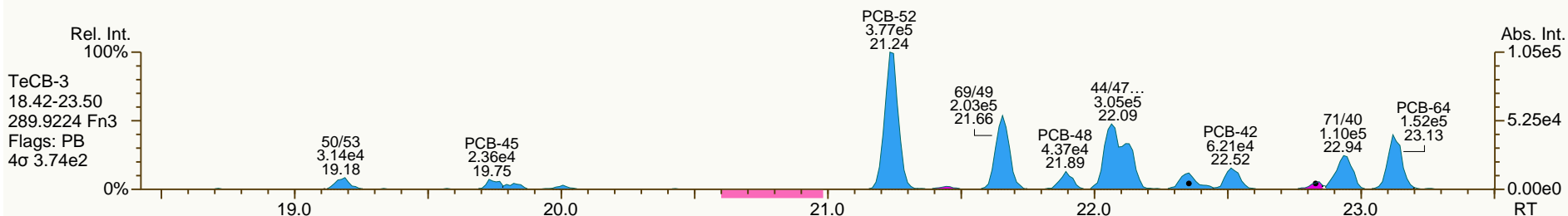
Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TOISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

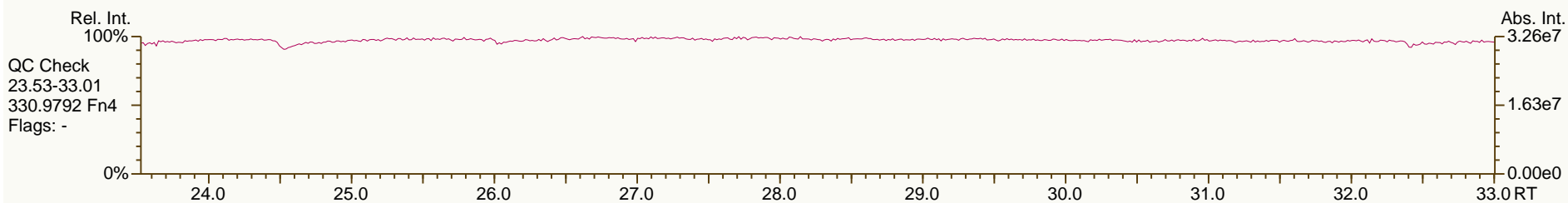
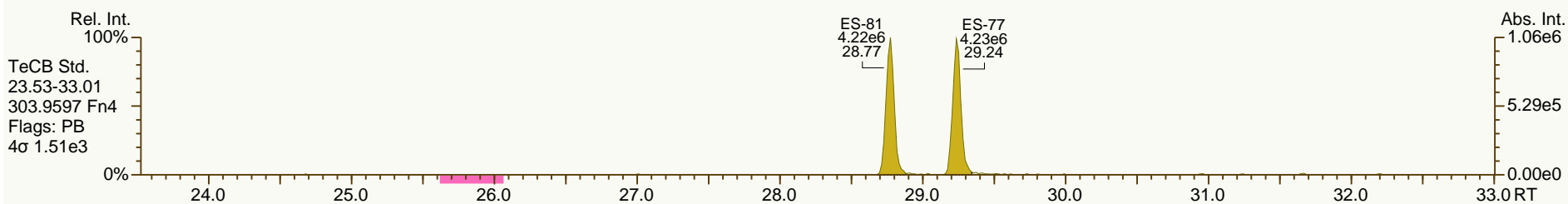
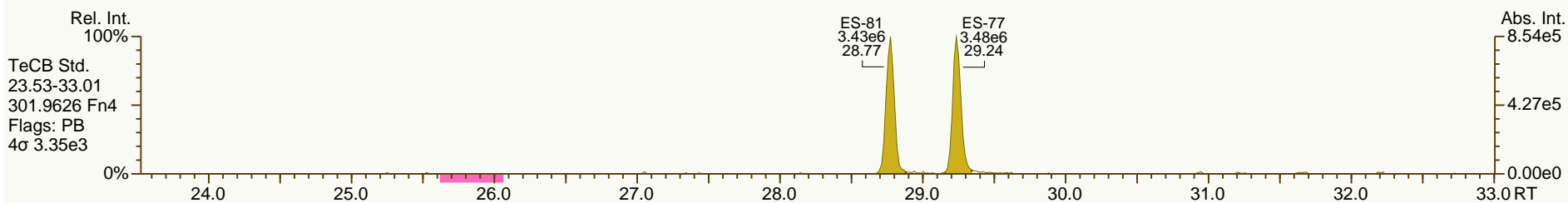
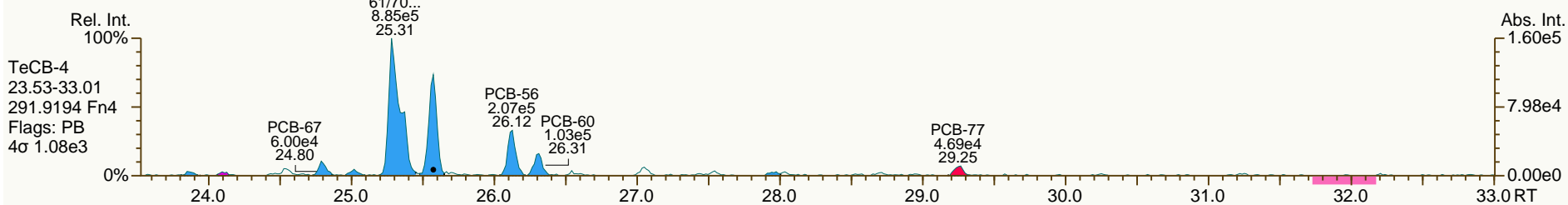
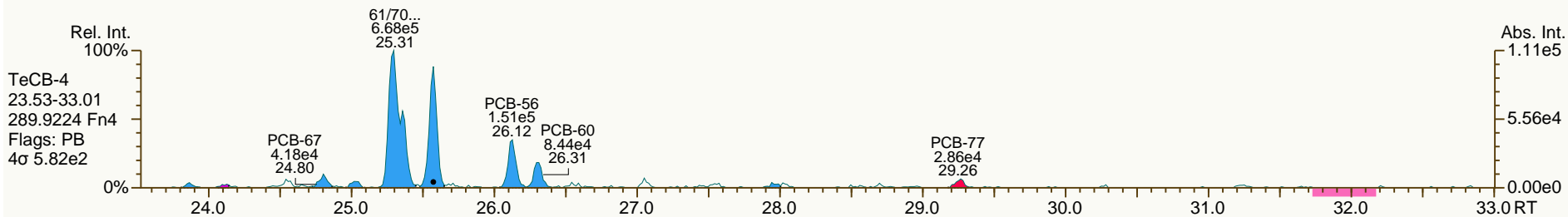
Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TOSSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

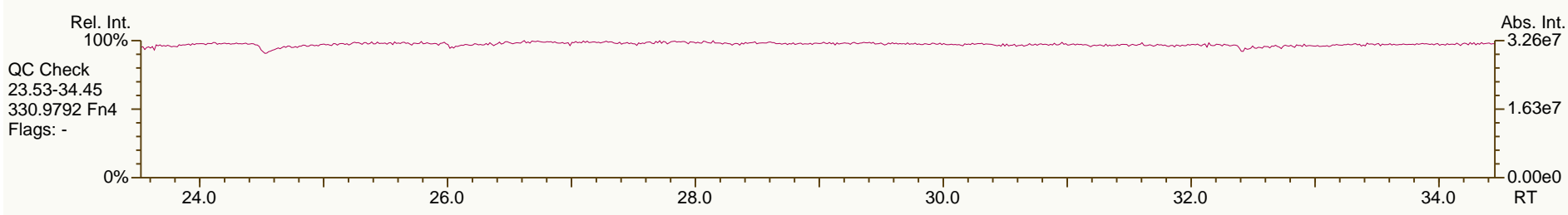
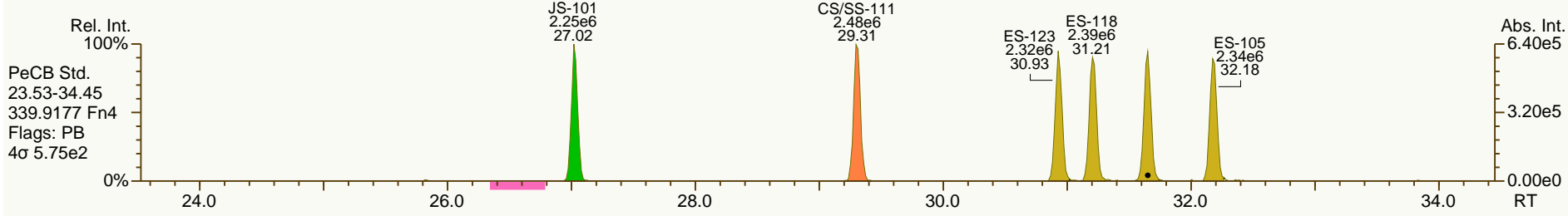
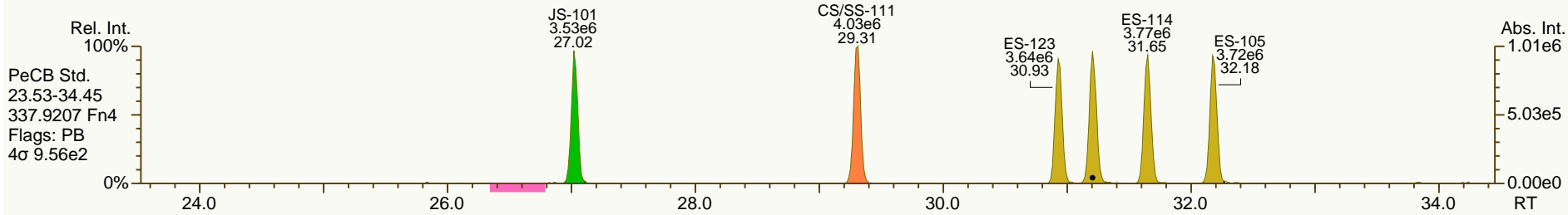
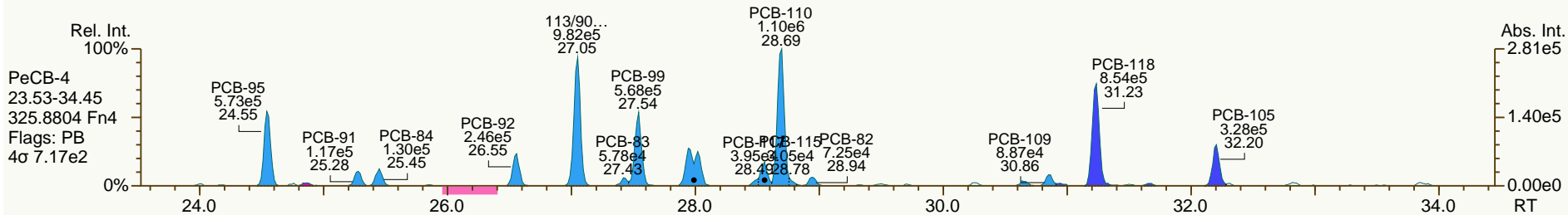
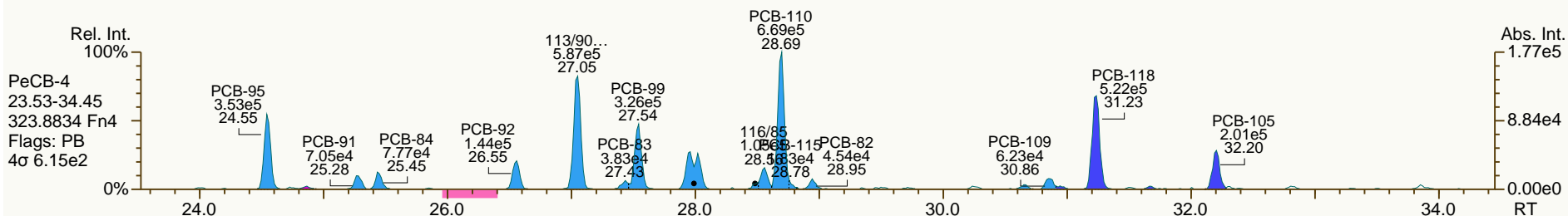
Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TOISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

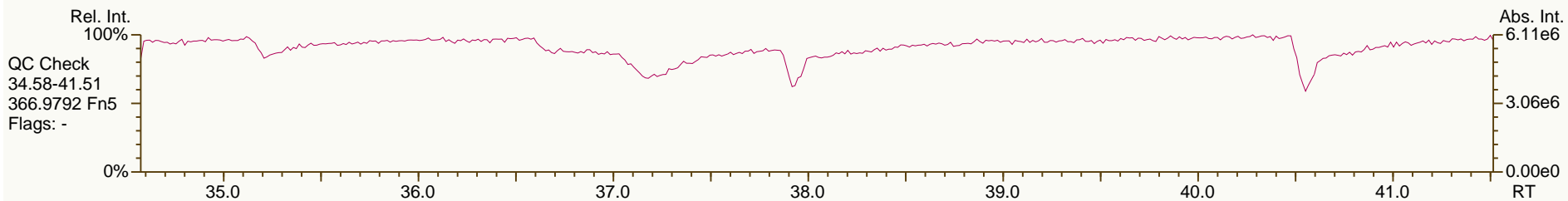
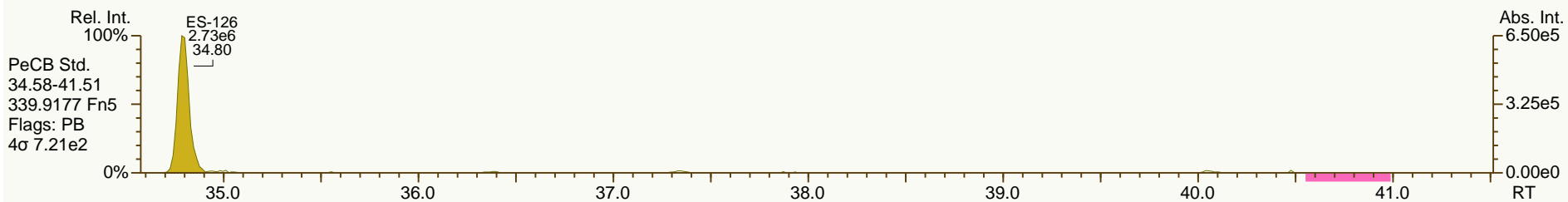
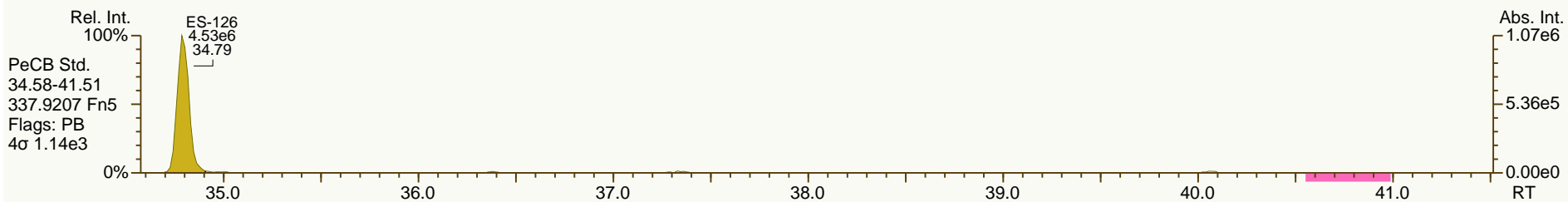
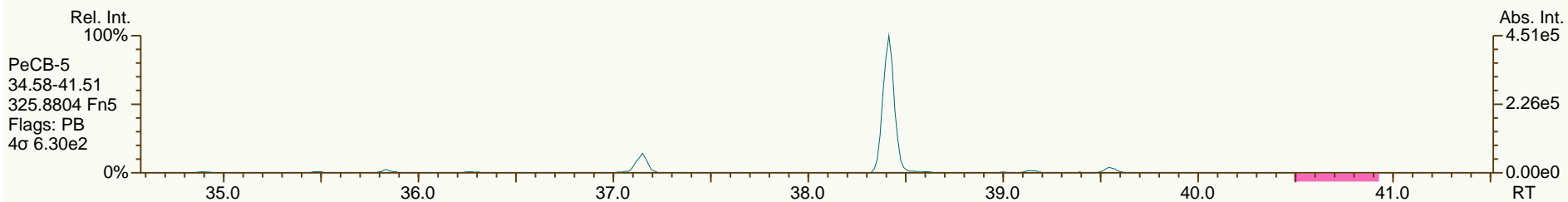
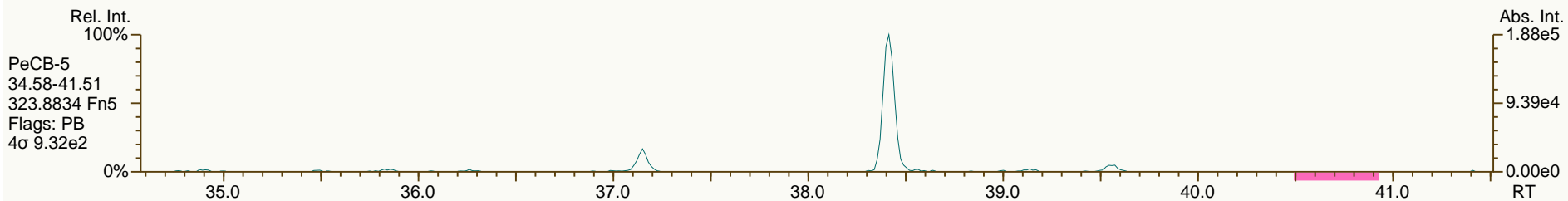
Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

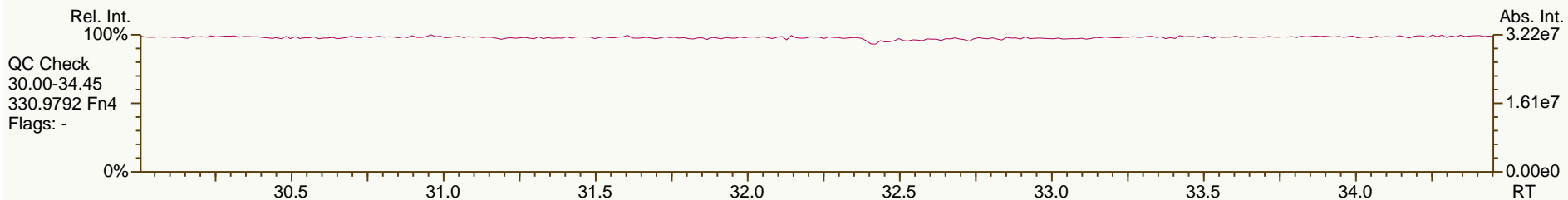
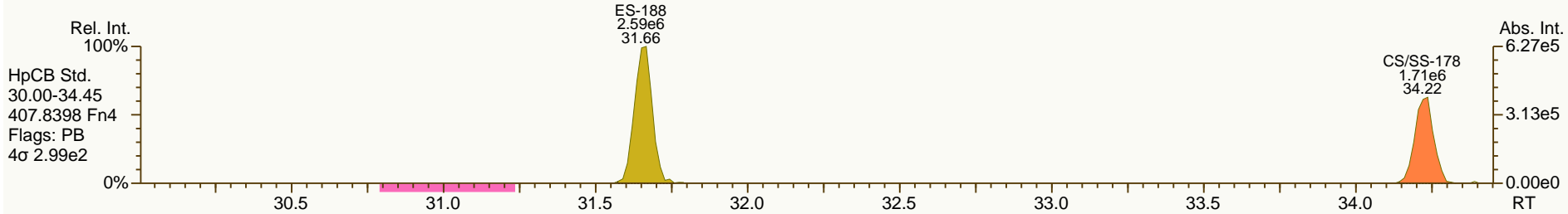
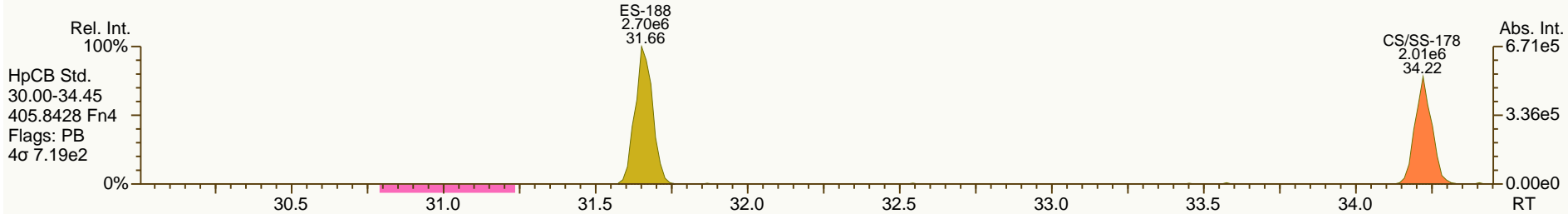
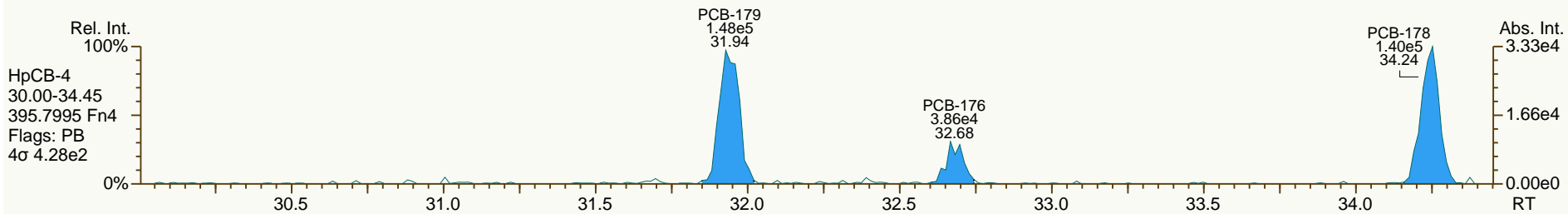
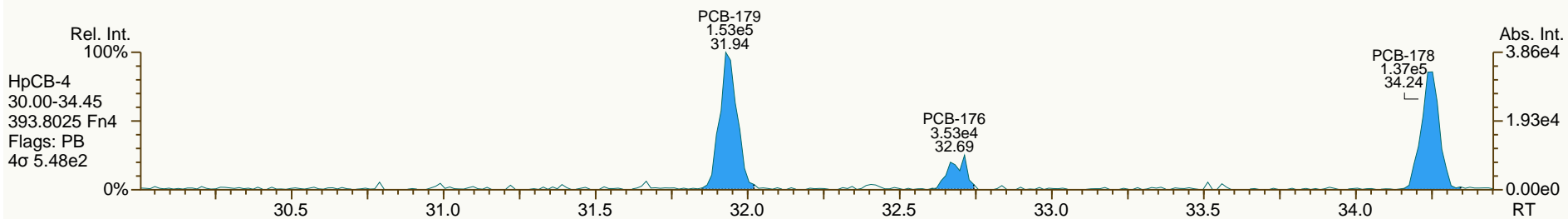
Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TOSSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

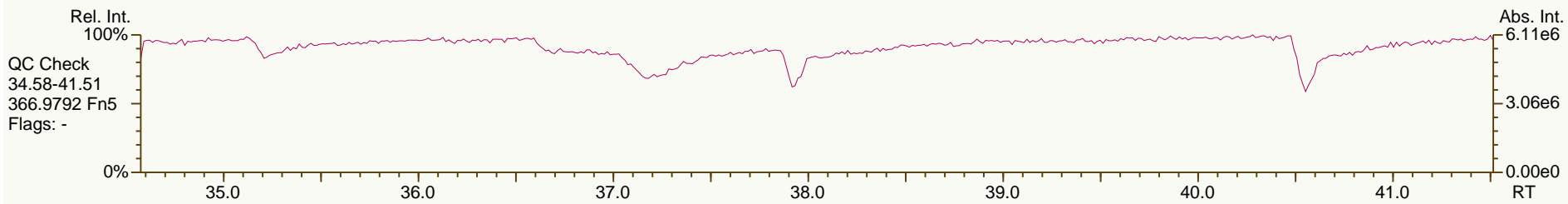
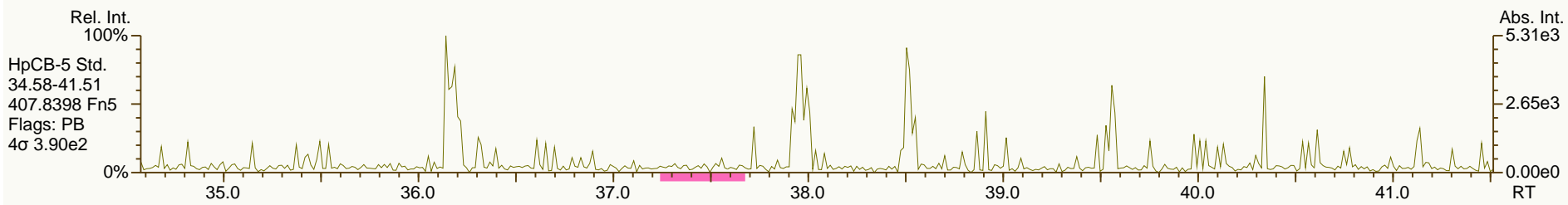
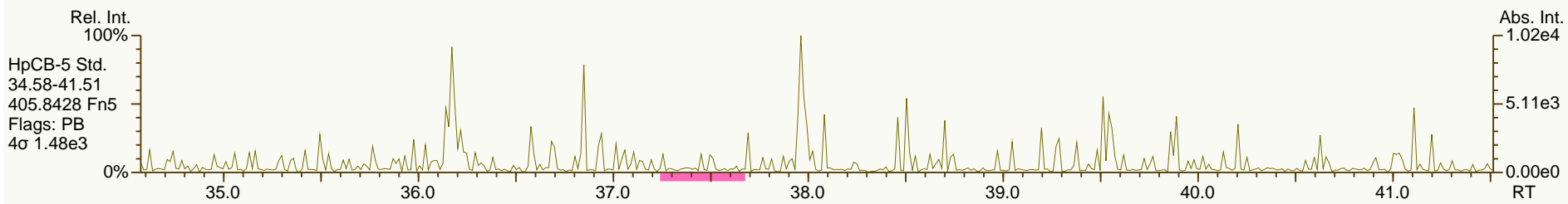
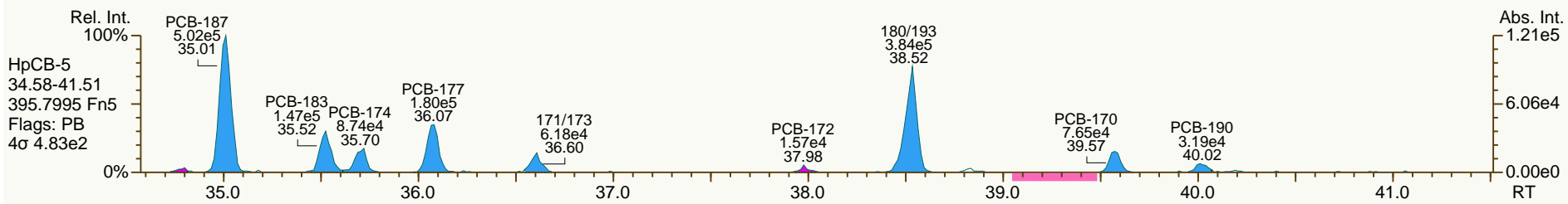
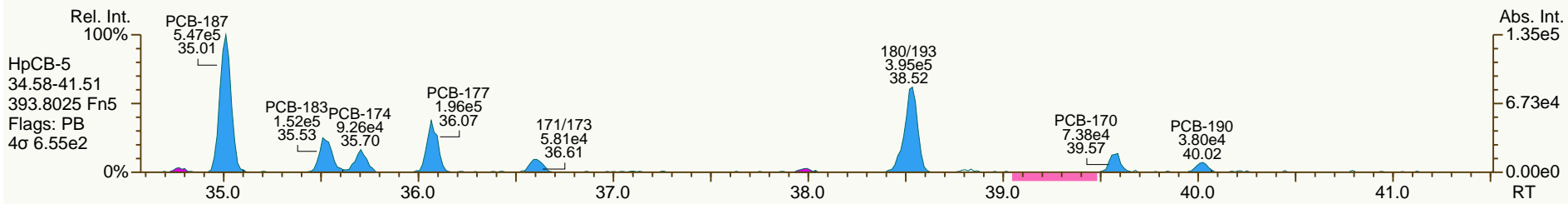
Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

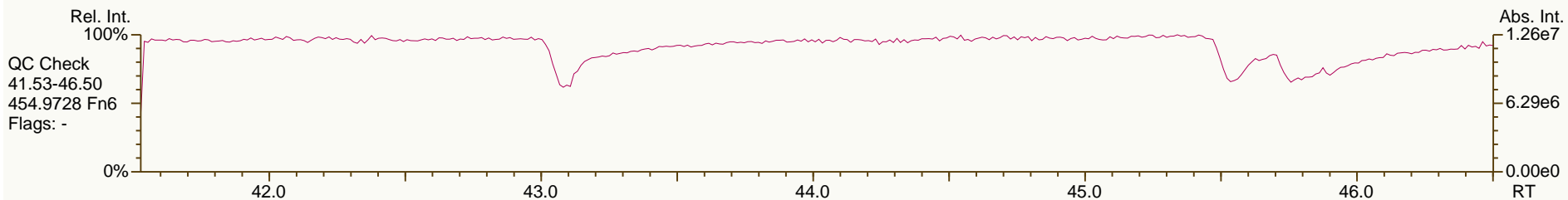
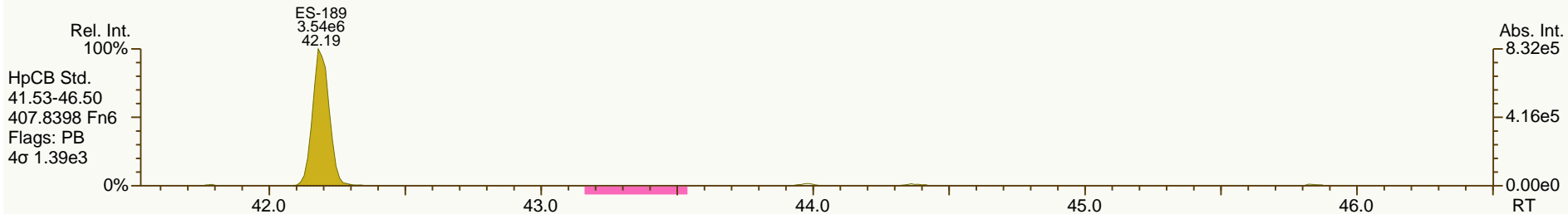
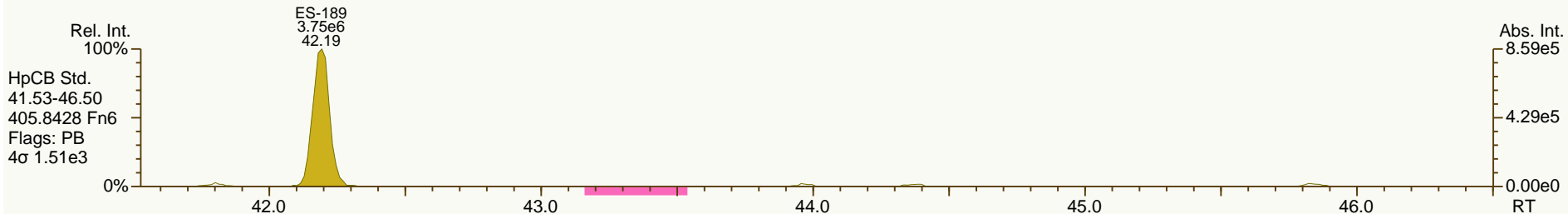
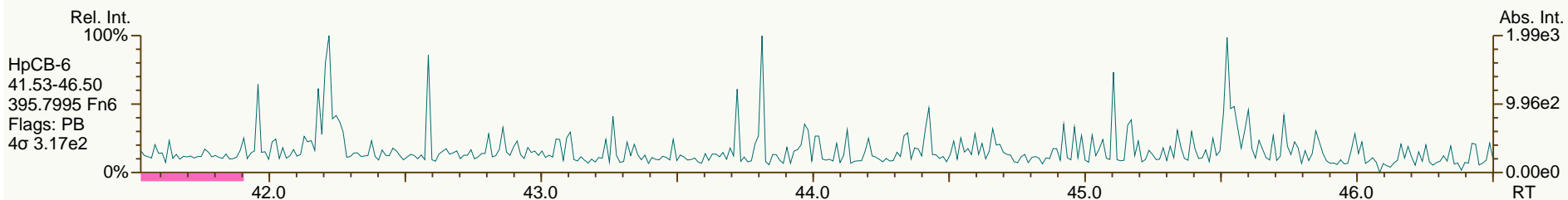
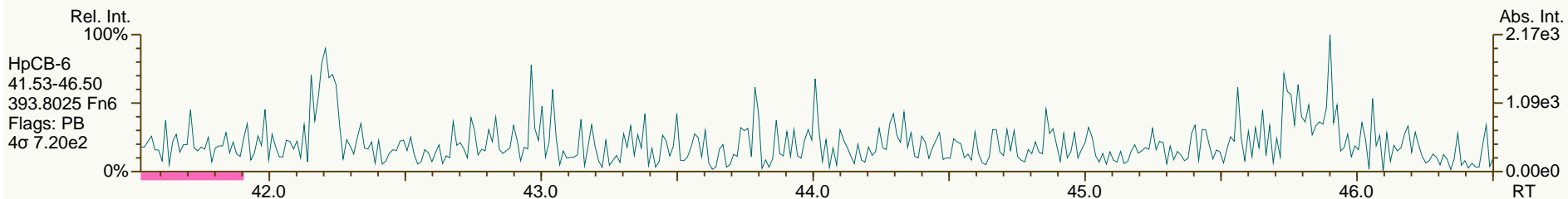
Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TOISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

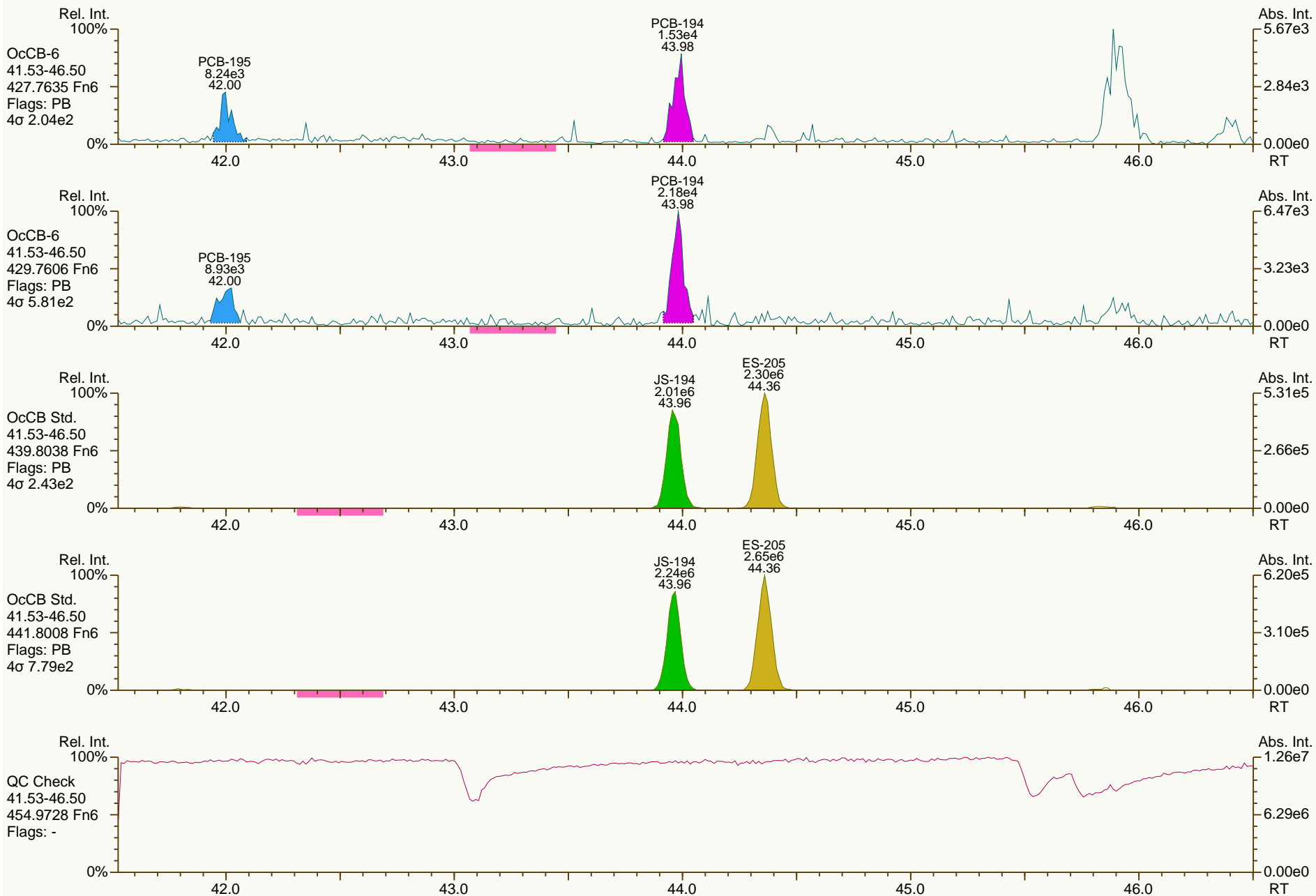
Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

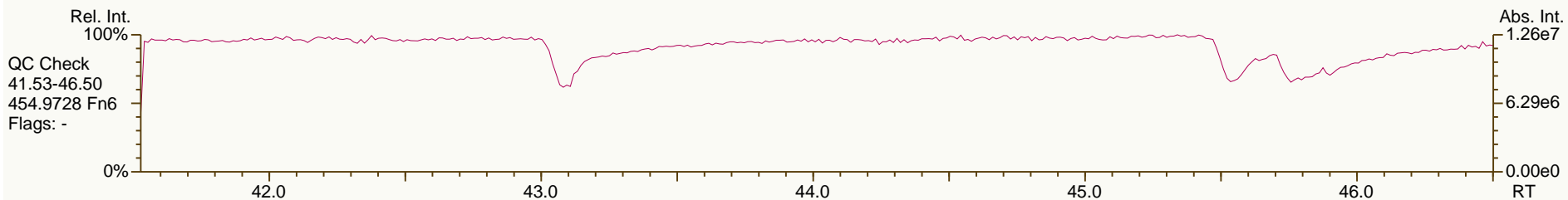
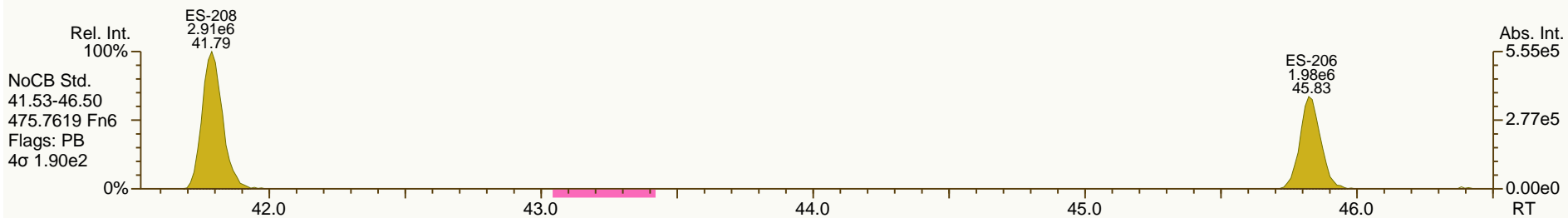
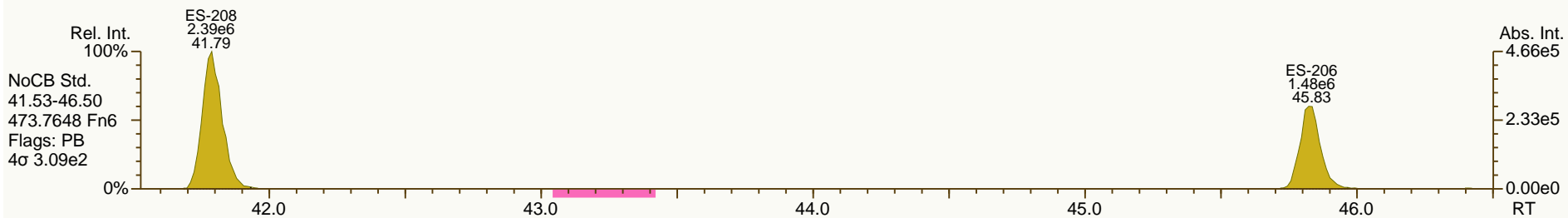
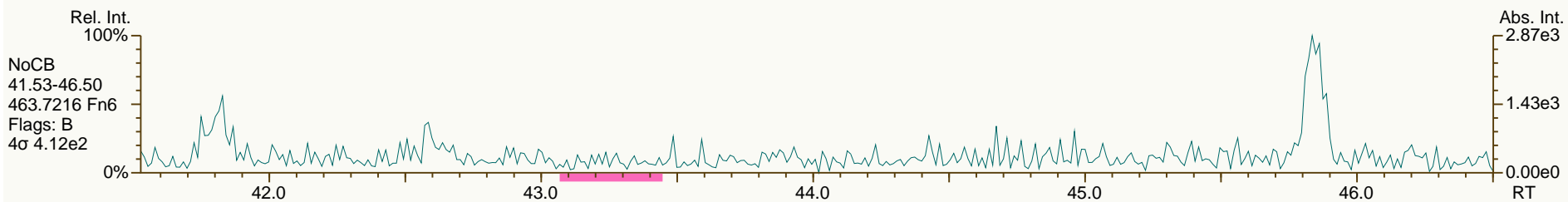
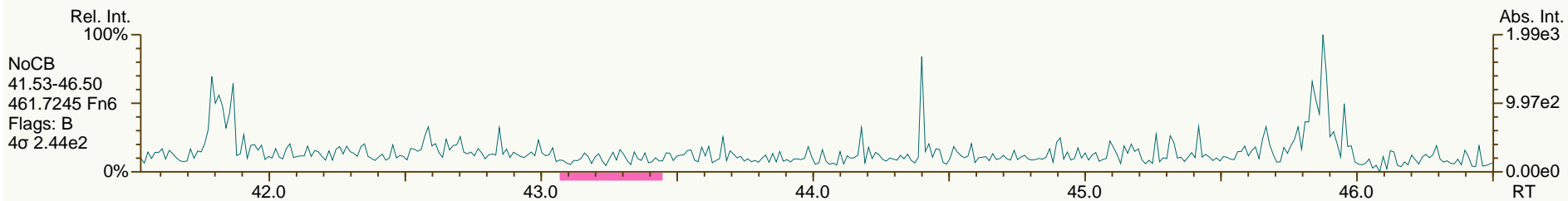
Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

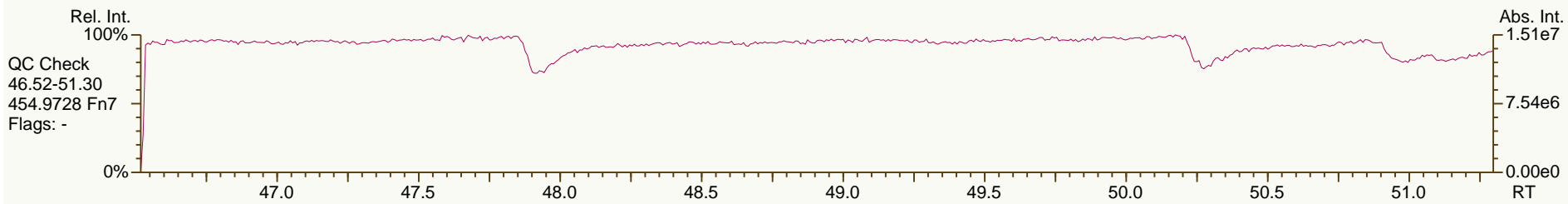
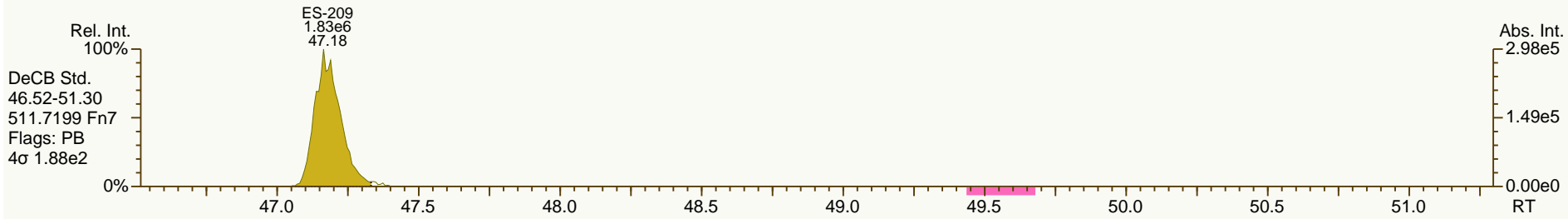
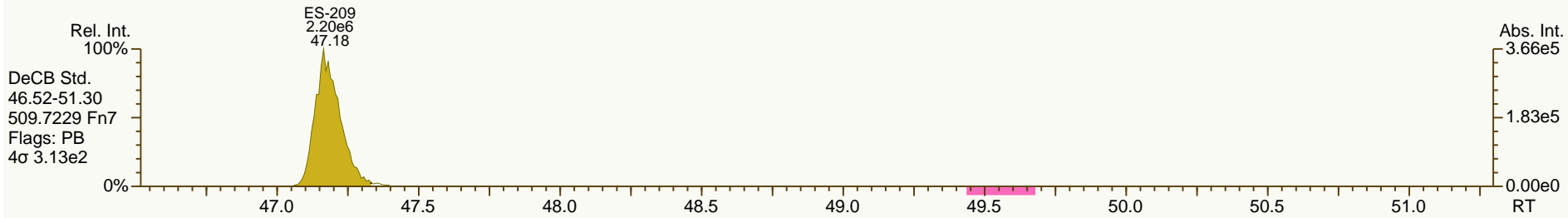
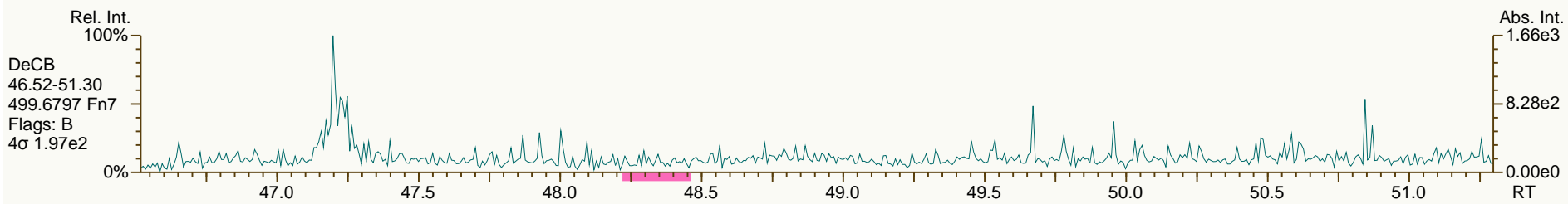
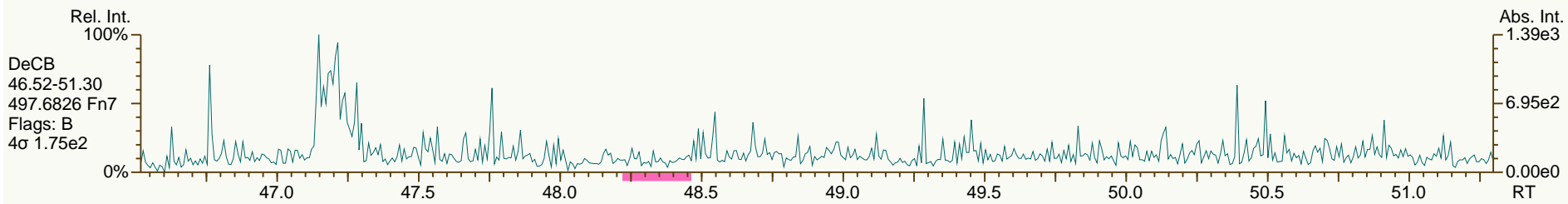
Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

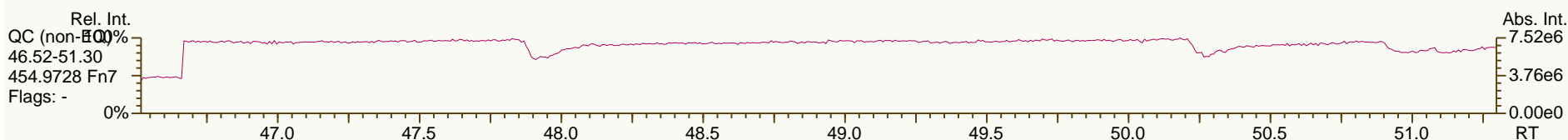
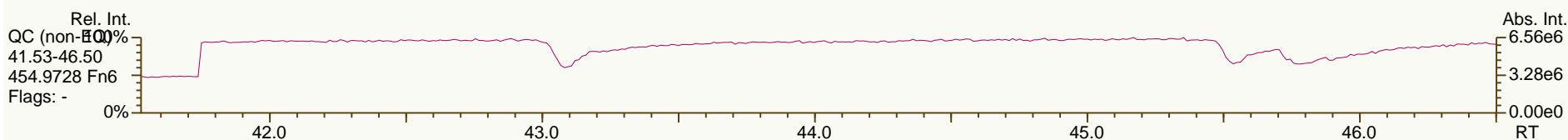
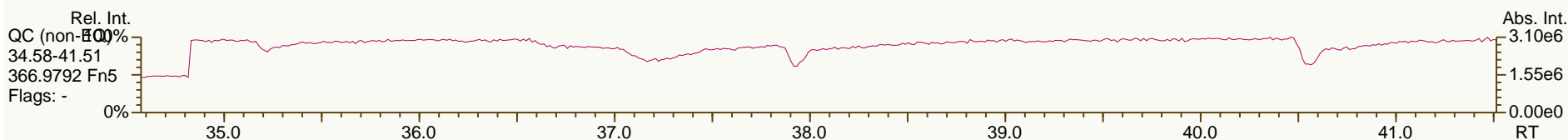
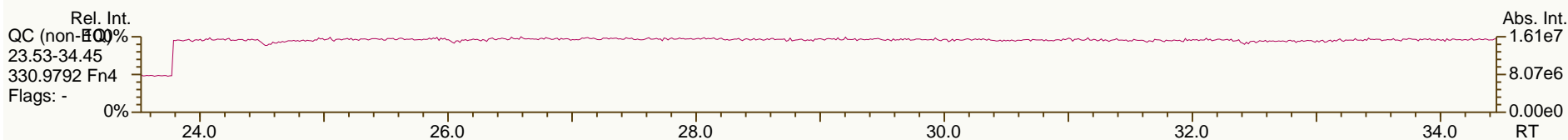
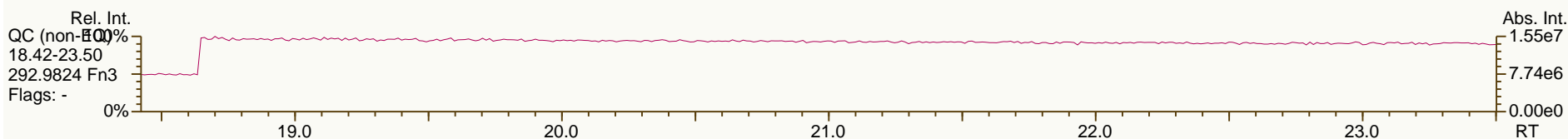
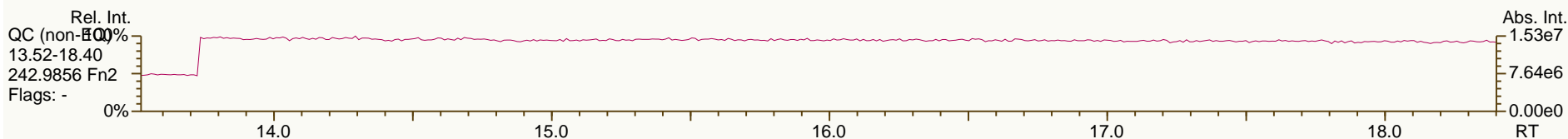
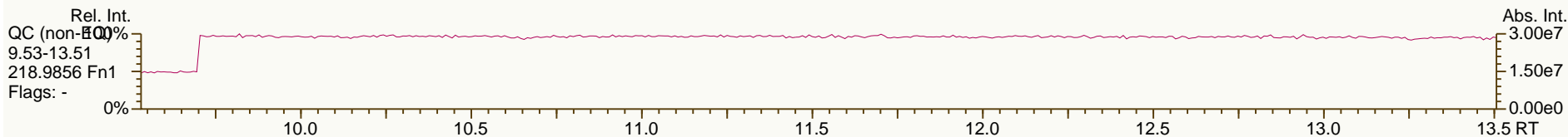
Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



Lab ID: A4369_9892_PCB_003
 Client ID: JW-RG-TISSUE-120508
 Datafile: 120703S09

ACQ: 03-Jul-2012 19:52:35 LKB Wt/Vol: 10.78 g
 UTP: 06-Jul-2012 13:56 LKB J-level: 0.928 pg/g Split: 1
 RPT: 06-Jul-2012 13:57 LB Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

ICAL: MM4_PCB_01102012_26JAN12 CS3_120703_PCB_SC
 Checkcode: 181-066-NFQ
 Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.26		1.0006	1.0006	0	1.03E+05	0.82	1.22	1.32	1.39E+03	0.18
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.39E+03	0.176
PCB-105 233'44'-PeCB	32.20		1.0007	1.0007	0	5.43E+05	0.62	1.03	10.2	1.44E+03	0.271
PCB-114 2344'5'-PeCB	31.67	J EMPC	1.0007	1.0008	+0.2	4.02E+04	0.78	1.10	0.704	1.44E+03	0.261
PCB-118 23'44'5'-PeCB	31.23		1.0008	1.0007	-0.2	1.42E+06	0.60	1.03	26.2	1.44E+03	0.261
PCB-123 23'44'5'-PeCB	30.96	J EMPC	1.0007	1.0009	+0.4	2.83E+04	0.42	0.93	0.606	1.44E+03	0.307
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.59E+03	0.256
PCB-156/157 ...-HxCB	37.34	C	1.0005	1.0003	-0.4	1.78E+05	1.36	1.05	3.31	9.70E+02	0.244
PCB-167 23'44'55'-HxCB	36.39		1.0006	1.0006	0	9.32E+04	1.35	1.08	1.71	9.70E+02	0.184
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	9.70E+02	0.209
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	9.92E+02	0.165
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	5.63E+02	0.246
ES PCB-1	9.84		0.7181	0.7175	-0.4	1.16E+07	3.30	1.01	57.2 %	4%	100%
ES PCB-3	11.77		0.8583	0.8583	0	1.20E+07	3.29	1.05	56.8 %	11%	106%
ES PCB-4	11.97		0.8732	0.8729	-0.2	7.32E+06	1.59	0.70	52.3 %	14%	107%
ES PCB-15	17.08		1.2453	1.2459	+0.6	1.49E+07	1.59	1.17	63.5 %	19%	107%
ES PCB-19	14.66		1.0698	1.0697	-0.1	7.07E+06	0.99	0.57	62.2 %	1%	108%
ES PCB-37	23.06		1.0865	1.0869	+0.6	1.13E+07	1.08	1.41	80.3 %	25%	123%
ES PCB-54	17.30		0.8157	0.8156	-0.1	8.27E+06	0.81	1.32	62.5 %	13%	105%
ES PCB-77	29.24		1.3777	1.3782	+0.9	1.18E+07	0.82	1.22	96.4 %	31%	109%
ES PCB-81	28.77		1.3557	1.3561	+0.7	1.16E+07	0.82	1.15	101 %	14%	127%
ES PCB-104	22.01		0.8147	0.8146	-0.1	8.79E+06	1.55	1.69	57.2 %	36%	115%
ES PCB-105	32.18		1.1906	1.1908	+0.4	9.58E+06	1.62	1.21	87.3 %	50%	111%
ES PCB-114	31.65		1.1709	1.1711	+0.4	9.66E+06	1.68	1.23	86.1 %	41%	121%
ES PCB-118	31.21		1.1547	1.1548	+0.2	9.72E+06	1.62	1.25	85.8 %	49%	111%
ES PCB-123	30.93		1.1444	1.1446	+0.4	9.36E+06	1.62	1.33	77.5 %	49%	116%
ES PCB-126	34.79		1.2871	1.2875	+0.8	1.07E+07	1.66	1.36	86.9 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.84		0.7939	0.7937	-0.3	9.25E+06	1.28	1.40	80.1 %	25%	124%
ES PCB-156/157	37.33		1.1035	1.1036	+0.2	1.91E+07	1.26	1.13	103 %	40%	120%
ES PCB-167	36.37		1.0753	1.0753	0	9.38E+06	1.22	1.13	101 %	45%	118%
ES PCB-169	40.06		1.1842	1.1843	+0.2	8.38E+06	1.26	1.14	89.1 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.66		0.7204	0.7202	-0.4	7.83E+06	1.11	1.34	70.9 %	23%	125%
ES PCB-189	42.19		0.9598	0.9597	-0.3	1.09E+07	1.03	1.77	94.7 %	47%	116%
ES PCB-202	36.17		0.8230	0.8228	-0.4	8.75E+06	0.87	1.27	83.6 %	31%	134%
ES PCB-205	44.35		1.0090	1.0090	0	7.43E+06	0.90	1.25	91 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.82		1.0424	1.0425	+0.3	5.76E+06	0.78	1.07	82.6 %	38%	122%
ES PCB-208	41.79		0.9508	0.9507	-0.3	7.93E+06	0.79	1.34	90.8 %	31%	126%
ES PCB-209	47.18		1.0732	1.0733	+0.3	6.31E+06	1.20	1.18	81.6 %	43%	115%
CS/SS PCB-28	19.67		0.9269	0.9270	+0.1	1.24E+07	1.06	0.98	112 %	14%	131%
CS/SS PCB-111	29.30	V	1.0843	1.0844	+0.2	1.01E+07	1.59	0.90	120 %	57%	112%
CS/SS PCB-178	34.22		1.0118	1.0118	0	5.89E+06	1.09	0.65	116 %	57%	125%
CS PCB-28	19.67		0.9269	0.9270	+0.1	1.24E+07	1.06	1.39	89.7 %	14%	131%
CS PCB-111	29.30		1.0843	1.0844	+0.2	1.01E+07	1.59	1.19	93 %	57%	112%
CS PCB-178	34.22		1.0118	1.0118	0	5.89E+06	1.09	0.87	82.5 %	57%	125%
JS PCB-9	13.71					2.00E+07	1.61				
JS PCB-52	21.21					1.00E+07	0.80				
JS PCB-101	27.02					9.10E+06	1.60				
JS PCB-138	33.82					8.23E+06	1.31				
JS PCB-194	43.96					6.53E+06	0.89				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	4.06	4.06	0.2		
						Di-CBs	67.1	67.1	0.986		
						Tri-CBs	43.7	46.7	0.32		
						Tetra-CBs	127	129	0.169		
						Penta-CBs	236	238	0.266		
						Hexa-CBs	276	278	0.197		
						Hepta-CBs	95.5	103	0.287		
						Octa-CBs	23	23	0.234		
						Nona-CBs	0	0	0.331		
PCB-1 2-MoCB	9.85		1.0011	1.0011	0	8.65E+04	3.24	1.20	1.15	2.50E+03	0.176
PCB-2 3-MoCB	11.62		0.9878	0.9879	+0.1	1.30E+05	3.28	1.14	1.76	2.50E+03	0.221
PCB-3 4-MoCB	11.77		1.0010	1.0008	-0.1	8.42E+04	3.57	1.13	1.15	2.50E+03	0.224
PCB-4 22'-DiCB	11.98		1.0012	1.0011	-0.1	9.98E+04	SI	0.94	2.68	8.28E+03	1.4
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.67	ND	3.08E+04	2.95
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.89	ND	2.48E+04	2.93
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.05	ND	2.48E+04	2.49
PCB-6 23'-DiCB	14.07		1.0261	1.0262	+0.1	9.09E+04	SI	0.96	1.18	5.49E+03	0.603
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.94	ND	2.48E+04	2.77
PCB-8 24'-DiCB	14.44		1.0533	1.0536	+0.3	2.99E+05	SI	1.01	3.68	5.49E+03	0.572
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.10	ND	2.48E+04	2.37
PCB-11 33'-DiCB	16.57	B	0.9701	0.9701	0	4.39E+06	1.50	0.94	58.3	2.48E+04	2.78
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00		0.94	ND	2.48E+04	2.77
PCB-15 44'-DiCB	17.09		1.0008	1.0008	0	1.06E+05	SI	1.01	1.32	5.49E+03	0.574

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.68	J	1.0011	1.0013	+0.2	3.03E+04	1.12	1.01	0.787	1.76E+03	0.315
PCB-30/18 246/22'5-TrCB	16.30	B C	1.1110	1.1115	+0.5	2.92E+05	1.14	1.23	6.25	1.76E+03	0.26
PCB-17 22'4-TrCB	16.66	EMPC	1.1357	1.1359	+0.2	1.18E+05	1.20	1.05	2.97	1.76E+03	0.304
PCB-27 23'6-TrCB	16.83	J	1.1479	1.1479	0	4.22E+04	1.04	1.38	0.805	1.76E+03	0.231
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.30	ND	1.76E+03	0.245
PCB-16 22'3-TrCB	17.03		1.1612	1.1615	+0.3	9.31E+04	1.01	0.85	2.86	1.76E+03	0.373
PCB-32 24'6-TrCB	17.49		1.1923	1.1925	+0.2	1.21E+05	0.95	1.46	2.16	1.76E+03	0.217
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.24	ND	2.55E+03	0.314
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.27	ND	2.55E+03	0.306
PCB-26/29 23'5/245-TrCB	18.97	C	0.8236	0.8225	-1.3	1.80E+05	1.03	1.29	2.29	2.55E+03	0.303
PCB-25 23'4-TrCB	19.17		0.8315	0.8313	-0.2	9.60E+04	1.05	1.29	1.22	2.55E+03	0.303
PCB-31 24'5-TrCB	19.44		0.8430	0.8429	-0.1	6.40E+05	1.11	1.33	7.89	2.55E+03	0.294
PCB-28/20 244'/233'-TrCB	19.69	C	0.8542	0.8538	-0.5	7.70E+05	1.06	1.26	10	2.55E+03	0.31
PCB-21/33 234/23'4'-TrCB	19.88	B C	0.8612	0.8621	+1.1	2.53E+05	1.06	1.31	3.17	2.55E+03	0.298
PCB-22 234'-TrCB	20.21		0.8766	0.8765	-0.1	2.18E+05	1.08	1.21	2.94	2.55E+03	0.321
PCB-36 33'5-TrCB	21.56	J	0.9351	0.9351	0	2.46E+04	0.99	1.26	0.32	2.55E+03	0.31
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.32	ND	2.55E+03	0.295
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.18	ND	2.55E+03	0.33
PCB-35 33'4-TrCB	22.73	J	0.9860	0.9859	-0.1	5.17E+04	0.94	1.15	0.735	2.55E+03	0.339
PCB-37 344'-TrCB	23.08		1.0008	1.0008	0	1.69E+05	0.99	1.20	2.3	2.55E+03	0.325
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	7.20E+02	0.137
PCB-50/53 22'46/22'56'-TeCB	19.18	J C	0.9051	0.9041	-1.2	8.97E+04	0.74	0.83	1.74	8.73E+02	0.167
PCB-45 22'36-TeCB	19.74		0.9304	0.9306	+0.2	5.83E+04	0.78	0.68	1.37	8.73E+02	0.204
PCB-51 22'46'-TeCB	19.82	J EMPC	0.9340	0.9341	+0.1	3.55E+04	0.94	0.84	0.677	8.73E+02	0.165
PCB-46 22'36'-TeCB	20.01	J	0.9429	0.9430	+0.1	2.71E+04	0.85	0.68	0.638	8.73E+02	0.204
PCB-52 22'55'-TeCB	21.24		1.0010	1.0010	0	1.08E+06	0.79	0.76	22.9	8.73E+02	0.183
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.97	ND	8.73E+02	0.142
PCB-43 22'35-TeCB	21.44	J	1.0106	1.0105	-0.1	2.12E+04	0.89	0.70	0.482	8.73E+02	0.196
PCB-69/49 23'46/22'45'-TeCB	21.65	C	1.0198	1.0206	+1.0	5.78E+05	0.75	0.94	9.88	8.73E+02	0.148
PCB-48 22'45-TeCB	21.89		1.0319	1.0319	0	1.13E+05	0.83	0.77	2.36	8.73E+02	0.18
PCB-44/47/65 ...-TeCB	22.09	C	1.0416	1.0411	-0.7	8.39E+05	0.75	0.83	16.1	8.73E+02	0.166
PCB-59/62/75 ...-TeCB	22.36	J C	1.0541	1.0541	0	1.34E+05	0.74	1.06	2.02	8.73E+02	0.13
PCB-42 22'34'-TeCB	22.52		1.0612	1.0614	+0.3	1.80E+05	0.72	0.72	4.02	8.73E+02	0.193
PCB-41 22'34-TeCB	22.83		1.0759	1.0762	+0.4	4.15E+04	0.86	0.64	1.04	8.73E+02	0.216
PCB-71/40 23'4'6/22'33'-TeCB	22.93	C	1.0806	1.0809	+0.4	2.69E+05	0.76	0.80	5.36	8.73E+02	0.173
PCB-64 234'6-TeCB	23.12		1.0899	1.0900	+0.1	3.98E+05	0.79	1.10	5.8	8.73E+02	0.126
PCB-72 23'55'-TeCB	23.86	J EMPC	0.8295	0.8293	-0.3	3.97E+04	1.04	1.12	0.567	1.39E+03	0.196
PCB-68 23'45'-TeCB	24.11	J EMPC	0.8379	0.8381	+0.3	2.49E+04	0.58	1.22	0.327	1.39E+03	0.18
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.09	ND	1.39E+03	0.201
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.11	ND	1.39E+03	0.197
PCB-67 23'45-TeCB	24.80		0.8620	0.8619	-0.1	1.02E+05	0.73	1.17	1.4	1.39E+03	0.187
PCB-63 234'5-TeCB	25.02	J	0.8697	0.8695	-0.3	4.81E+04	0.67	1.22	0.629	1.39E+03	0.18
PCB-61/70/74/76 ...-TeCB	25.31	C	0.8792	0.8797	+0.8	1.76E+06	0.77	1.13	24.8	1.39E+03	0.194
PCB-66 23'44'-TeCB	25.57		0.8888	0.8887	-0.2	1.05E+06	0.73	1.06	15.9	1.39E+03	0.207
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.09	ND	1.39E+03	0.201

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.12		0.9080	0.9078	-0.3	4.03E+05	0.75	1.06	6.07	1.39E+03	0.207
PCB-60 2344'-TeCB	26.30		0.9144	0.9143	-0.2	2.10E+05	0.78	1.09	3.08	1.39E+03	0.201
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	1.39E+03	0.179
PCB-79 33'45'-TeCB	27.95	J EMPC	0.9718	0.9715	-0.5	2.40E+04	0.57	1.21	0.318	1.39E+03	0.182
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.02	ND	1.39E+03	0.216
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	1.15E+03	0.239
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.89	ND	1.15E+03	0.246
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.83	ND	1.44E+03	0.345
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.72	ND	1.44E+03	0.395
PCB-95 22'35'6'-PeCB	24.54		0.9082	0.9082	0	1.08E+06	0.58	0.75	28.5	1.44E+03	0.378
PCB-100/93 22'44'6'/22'356'-PeCB	24.75	J C	0.9158	0.9161	+0.4	2.31E+04	0.66	0.77	0.596	1.44E+03	0.37
PCB-102 22'456'-PeCB	24.86	J	0.9198	0.9199	+0.1	3.89E+04	0.61	0.88	0.875	1.44E+03	0.323
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.68	ND	1.44E+03	0.419
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.68	ND	1.44E+03	0.421
PCB-91 22'34'6'-PeCB	25.28		0.9352	0.9354	+0.3	1.87E+05	0.68	0.85	4.38	1.44E+03	0.336
PCB-84 22'33'6'-PeCB	25.45		0.9416	0.9416	0	2.06E+05	0.60	0.66	6.24	1.44E+03	0.434
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.68	ND	1.44E+03	0.415
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.01	ND	1.44E+03	0.283
PCB-92 22'355'-PeCB	26.55		0.9825	0.9826	+0.2	5.04E+05	0.64	0.71	14.1	1.44E+03	0.4
PCB-113/90/101 ...-PeCB	27.04	C	0.9999	1.0008	+1.5	1.80E+06	0.61	0.86	41.5	1.44E+03	0.331
PCB-83 22'33'5'-PeCB	27.43		1.0150	1.0150	0	1.00E+05	0.65	0.62	3.2	1.44E+03	0.459
PCB-99 22'44'5'-PeCB	27.54		1.0190	1.0190	0	1.01E+06	0.62	0.77	26.2	1.44E+03	0.371
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	1.44E+03	0.275
PCB-108/119/86/97/125...-PeCB	27.98	C	1.0347	1.0354	+1.2	9.42E+05	0.60	0.89	21	1.44E+03	0.32
PCB-117 234'56'-PeCB	28.49		1.0539	1.0542	+0.5	7.25E+04	0.67	0.70	2.05	1.44E+03	0.405
PCB-116/85 23456/22'344'-PeCB	28.55	C	1.0566	1.0566	0	2.81E+05	0.64	0.98	5.67	1.44E+03	0.289
PCB-110 233'4'6'-PeCB	28.69		1.0615	1.0616	+0.2	1.80E+06	0.62	0.97	36.8	1.44E+03	0.294
PCB-115 2344'6'-PeCB	28.78	J	1.0644	1.0649	+0.9	4.44E+04	0.55	1.00	0.877	1.44E+03	0.284
PCB-82 22'33'4'-PeCB	28.94		1.0711	1.0710	-0.2	1.21E+05	0.65	0.63	3.82	1.44E+03	0.452
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.01	ND	1.44E+03	0.283
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.02	ND	1.44E+03	0.279
PCB-107/124 ...-PeCB	30.66	J C	0.9909	0.9911	+0.4	6.77E+04	0.55	0.95	1.41	1.44E+03	0.299
PCB-109 233'46'-PeCB	30.86		0.9976	0.9977	+0.2	1.51E+05	0.60	1.05	2.86	1.44E+03	0.271
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.97	ND	1.44E+03	0.292
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.91	ND	1.44E+03	0.313
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.98	ND	1.44E+03	0.283
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	8.00E+02	0.15
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.98	ND	8.00E+02	0.162
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.00	ND	8.00E+02	0.159
PCB-136 22'33'66'-HxCB	27.43		1.0216	1.0217	+0.2	2.50E+05	1.27	0.92	5.46	8.00E+02	0.173
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.93	ND	8.00E+02	0.17
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.72	ND	8.00E+02	0.22
PCB-151/135 ...-HxCB	29.49	C	1.0986	1.0985	-0.2	9.09E+05	1.21	0.71	25.6	8.00E+02	0.222
PCB-154 22'44'56'-HxCB	29.72		1.1067	1.1070	+0.5	6.04E+04	1.28	0.79	1.53	8.00E+02	0.2
PCB-144 22'345'6'-HxCB	29.96		1.1158	1.1159	+0.2	7.52E+04	1.15	0.72	2.1	8.00E+02	0.221

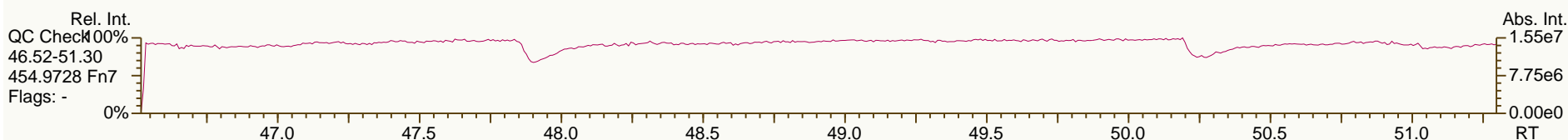
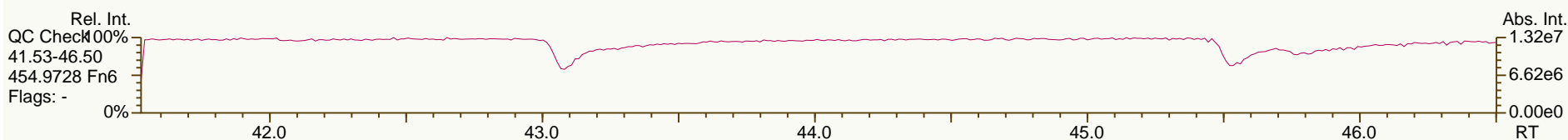
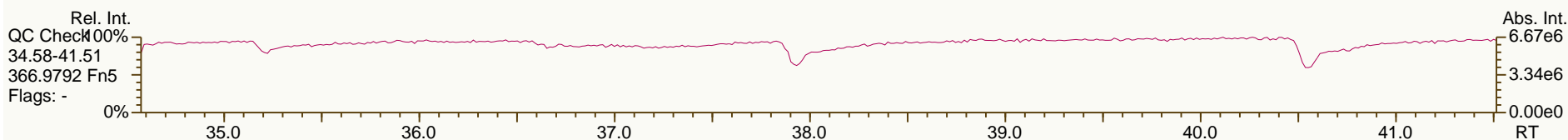
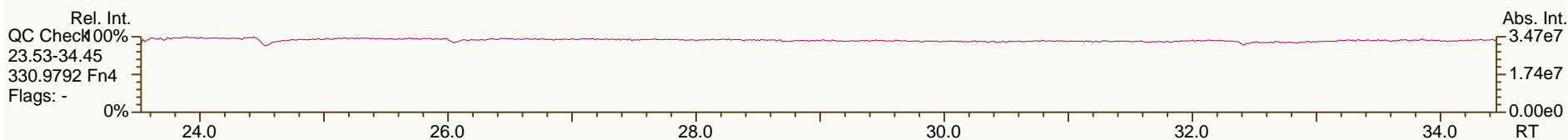
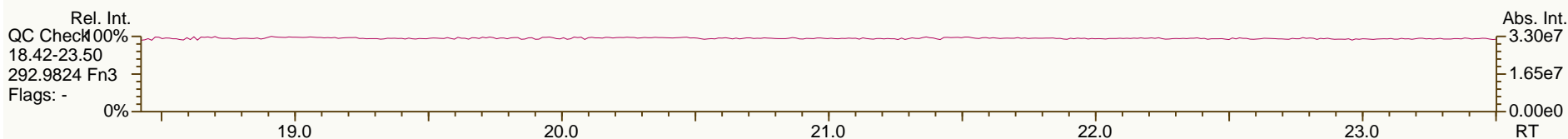
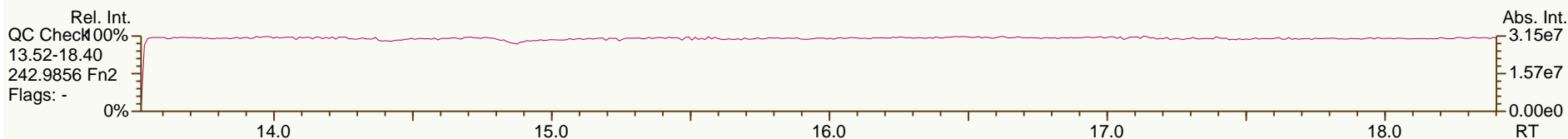
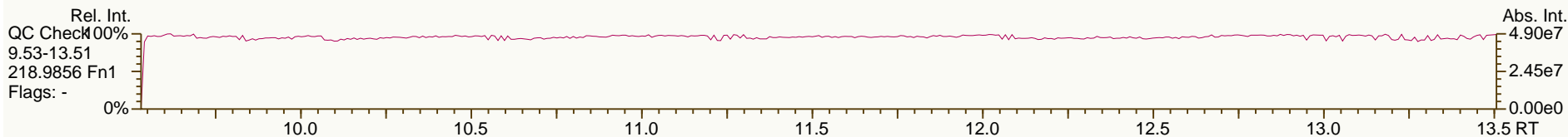
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.25	C	1.1269	1.1270	+0.2	1.69E+06	1.32	0.73	46.1	8.00E+02	0.216
PCB-134 22'33'56"-HxCB	30.41		1.1326	1.1329	+0.5	1.05E+05	1.23	0.60	3.51	8.00E+02	0.264
PCB-143 22'3456"-HxCB	NotFnd		1.1356	-		0.00E+00		0.70	ND	8.00E+02	0.228
PCB-139/140 ...-HxCB	30.76	J EMPC C	1.1458	1.1460	+0.4	4.50E+04	1.03	0.75	1.21	8.00E+02	0.212
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00		0.62	ND	8.00E+02	0.255
PCB-142 22'3456"-HxCB	NotFnd		1.1564	-		0.00E+00		0.67	ND	8.00E+02	0.235
PCB-132 22'33'46"-HxCB	31.29		1.1655	1.1657	+0.4	4.06E+05	1.28	0.67	12.1	8.00E+02	0.237
PCB-133 22'33'55"-HxCB	31.76		1.1826	1.1830	+0.8	1.24E+05	1.23	0.66	3.76	8.00E+02	0.239
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.83	ND	8.00E+02	0.192
PCB-146 22'34'55"-HxCB	32.30		0.9550	0.9549	-0.2	7.52E+05	1.26	0.72	20.8	8.00E+02	0.219
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.95	ND	8.00E+02	0.168
PCB-153/168 ...-HxCB	32.81	C	0.9709	0.9702	-1.4	2.68E+06	1.33	0.89	60.5	8.00E+02	0.178
PCB-141 22'3455"-HxCB	32.96		0.9746	0.9746	0	1.51E+05	1.23	0.67	4.53	8.00E+02	0.237
PCB-130 22'33'45"-HxCB	33.30		0.9847	0.9847	0	2.05E+05	1.12	0.61	6.69	8.00E+02	0.258
PCB-137 22'344'5"-HxCB	33.49		0.9904	0.9903	-0.2	1.07E+05	1.38	0.72	2.98	8.00E+02	0.22
PCB-164 233'4'5'6"-HxCB	33.58		0.9930	0.9930	0	2.12E+05	1.17	0.93	4.55	8.00E+02	0.17
PCB-163/138/129 ...-HxCB	33.85	C	1.0012	1.0008	-0.8	2.23E+06	1.23	0.76	59	8.00E+02	0.209
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.91	ND	8.00E+02	0.174
PCB-158 233'44'6"-HxCB	34.18		1.0106	1.0107	+0.2	2.45E+05	1.27	0.96	5.12	8.00E+02	0.165
PCB-128/166 ...-HxCB	34.89	C	0.9593	0.9594	+0.2	3.20E+05	1.29	0.90	7.02	9.70E+02	0.221
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.06	ND	9.70E+02	0.188
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.09	ND	9.70E+02	0.182
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	9.64E+02	0.237
PCB-179 22'33'566"-HpCB	31.94	EMPC	1.0089	1.0089	0	2.79E+05	1.24	1.09	6.05	9.64E+02	0.23
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.05	ND	9.64E+02	0.24
PCB-176 22'33'466"-HpCB	32.68	EMPC	1.0324	1.0324	0	6.79E+04	1.50	1.17	1.37	9.64E+02	0.215
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.13	ND	9.64E+02	0.223
PCB-178 22'33'55'6"-HpCB	34.24		1.0816	1.0816	0	3.35E+05	1.13	0.82	9.68	9.64E+02	0.308
PCB-175 22'33'45'6"-HpCB	34.78		1.0985	1.0986	+0.2	3.52E+04	1.17	0.86	0.968	1.33E+03	0.404
PCB-187 22'34'55'6"-HpCB	35.01		1.1057	1.1058	+0.2	1.19E+06	1.06	0.91	31.1	1.33E+03	0.382
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.93	ND	1.33E+03	0.374
PCB-183 22'344'5'6"-HpCB	35.52		1.1219	1.1222	+0.6	3.26E+05	0.99	1.00	7.74	1.33E+03	0.348
PCB-185 22'3455'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.84	ND	1.33E+03	0.415
PCB-174 22'33'456"-HpCB	35.70		1.1276	1.1277	+0.2	1.79E+05	1.05	0.77	5.52	1.33E+03	0.453
PCB-177 22'33'45'6"-HpCB	36.07		1.1393	1.1394	+0.2	4.02E+05	1.03	0.77	12.4	1.33E+03	0.453
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.90	ND	1.33E+03	0.388
PCB-171/173 ...-HpCB	36.60	C	1.1556	1.1562	+1.3	1.11E+05	0.95	0.80	3.29	1.33E+03	0.434
PCB-172 22'33'455"-HpCB	37.98	J	0.9003	0.9003	0	2.86E+04	1.09	0.72	0.68	1.33E+03	0.344
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.91	ND	1.33E+03	0.271
PCB-180/193 ...-HpCB	38.52	C	0.9127	0.9131	+0.9	9.00E+05	1.13	0.84	18.2	1.33E+03	0.293
PCB-191 233'44'5'6"-HpCB	38.82	J	0.9203	0.9202	-0.2	2.75E+04	1.08	0.94	0.499	1.33E+03	0.263
PCB-170 22'33'44'5"-HpCB	39.57		0.9380	0.9379	-0.2	1.66E+05	1.02	0.70	4.05	1.33E+03	0.354
PCB-190 233'44'56"-HpCB	40.02		0.9486	0.9487	+0.2	7.70E+04	1.05	0.91	1.44	1.33E+03	0.27
PCB-202 22'33'55'66"-OoCB	36.19		1.0006	1.0006	0	2.50E+05	0.88	0.83	6.41	9.36E+02	0.272
PCB-201 22'33'45'66"-OoCB	36.96		1.0221	1.0220	-0.2	7.04E+04	0.85	0.95	1.58	9.36E+02	0.238

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	9.36E+02	0.249
PCB-197 22'33'44'66'-OcCB	37.73	J	1.0431	1.0431	0	2.06E+04	0.77	0.88	0.494	9.36E+02	0.255
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.84	ND	9.36E+02	0.269
PCB-198/199 ...-OcCB	40.18	C	1.1102	1.1108	+1.4	2.44E+05	0.90	0.67	7.67	9.36E+02	0.334
PCB-196 22'33'44'56'-OcCB	40.73		1.1260	1.1260	0	7.41E+04	1.02	0.68	2.3	9.36E+02	0.329
PCB-203 22'344'55'6-OcCB	40.90		1.1306	1.1308	+0.5	7.78E+04	0.85	0.72	2.29	9.36E+02	0.313
PCB-195 22'33'44'56-OcCB	41.99	J	0.9469	0.9468	-0.3	2.05E+04	0.91	0.66	0.778	7.79E+02	0.326
PCB-194 22'33'44'55'-OcCB	43.98		0.9915	0.9915	0	4.20E+04	0.97	0.72	1.45	7.79E+02	0.296
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	7.79E+02	0.196
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.98	ND	9.28E+02	0.282
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		0.99	ND	9.28E+02	0.278
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.93	ND	9.28E+02	0.379

AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

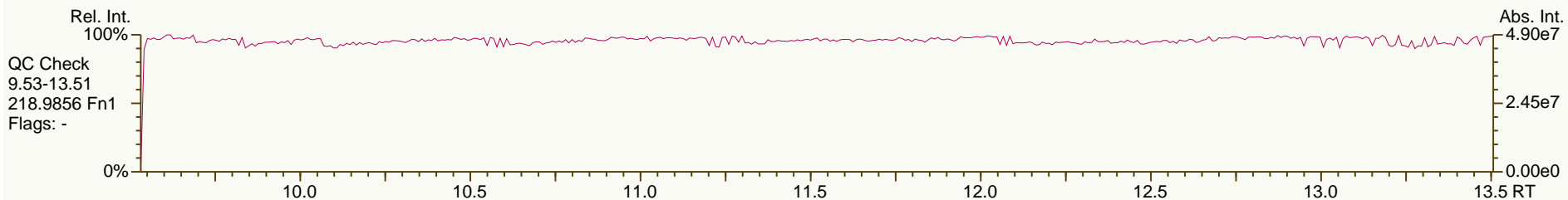
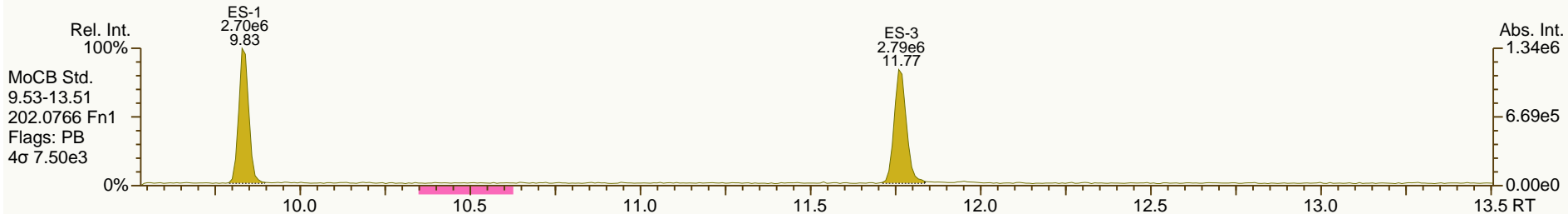
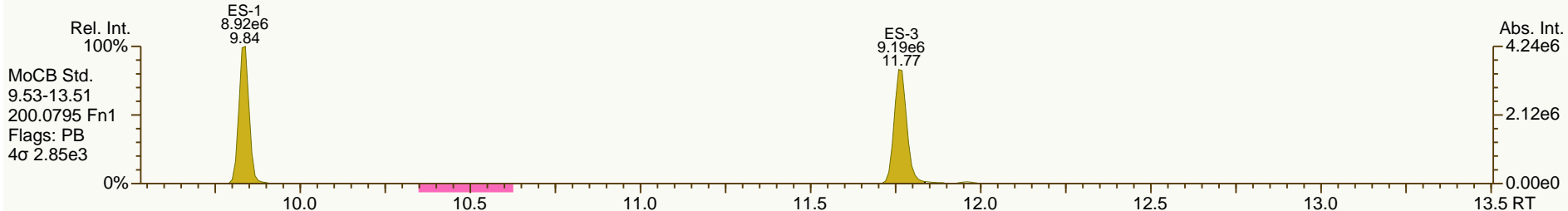
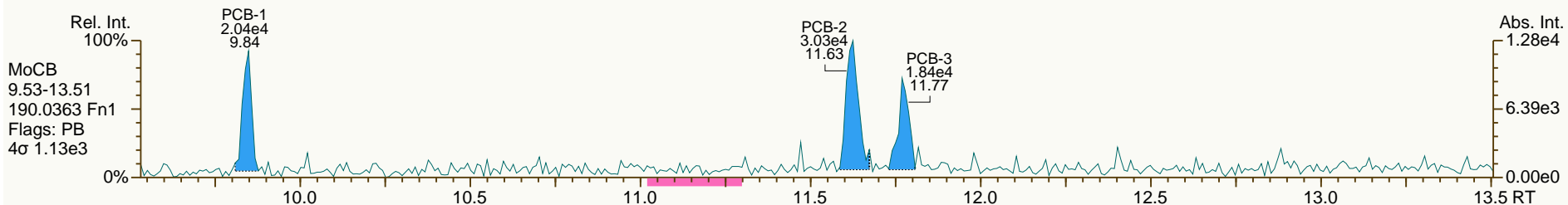
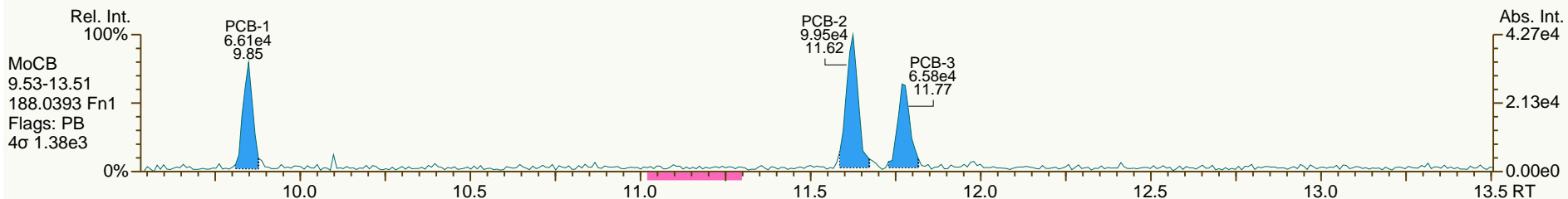
Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

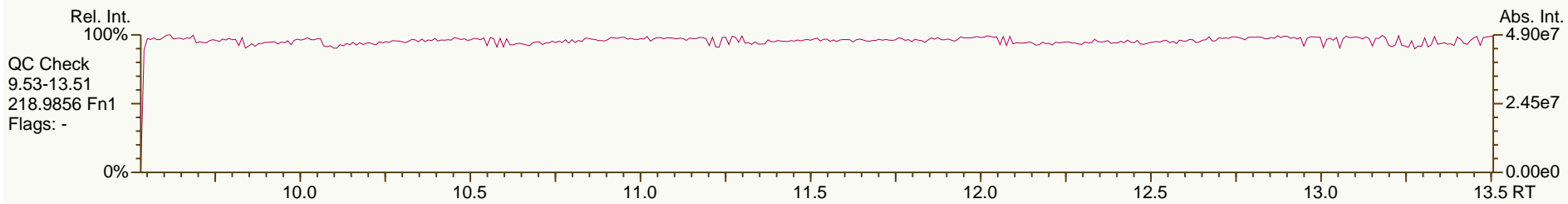
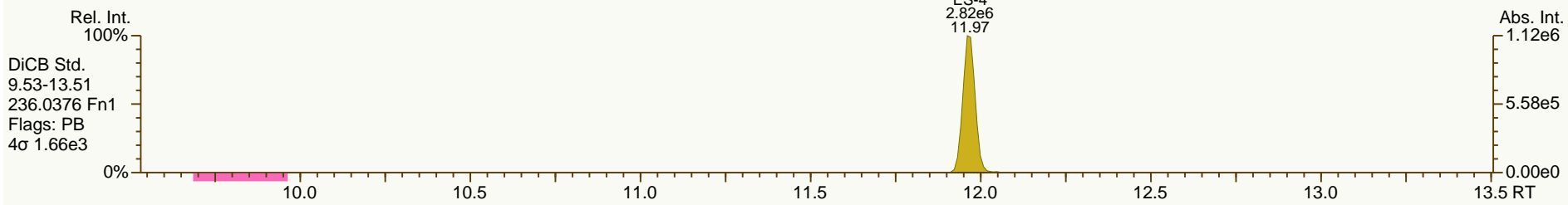
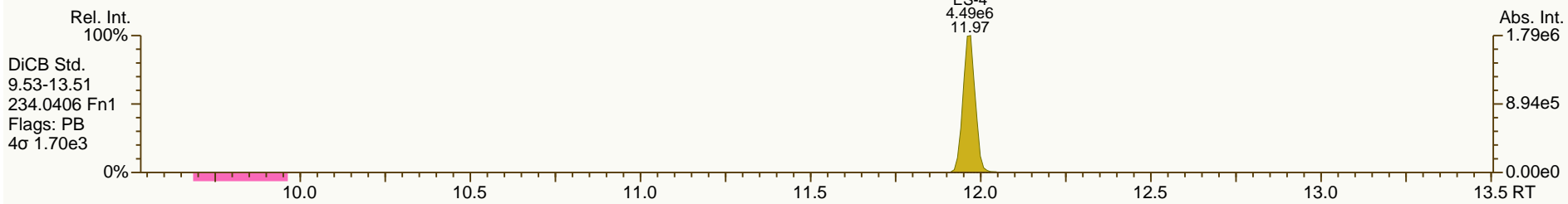
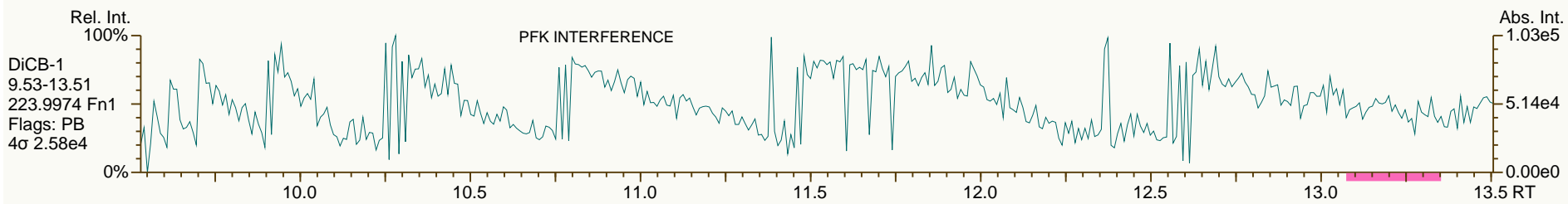
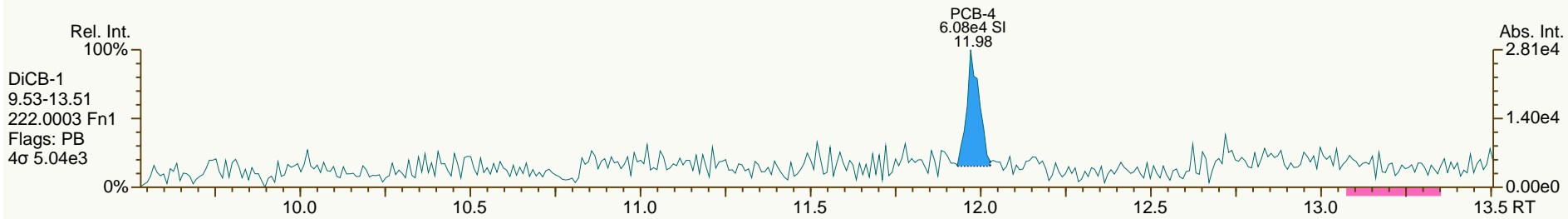
Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

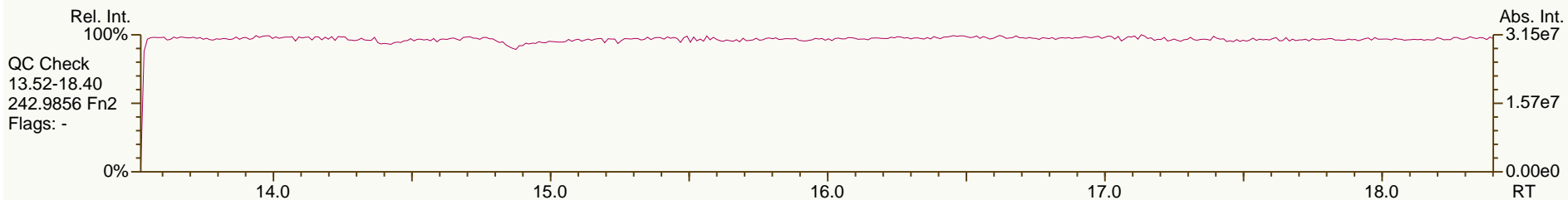
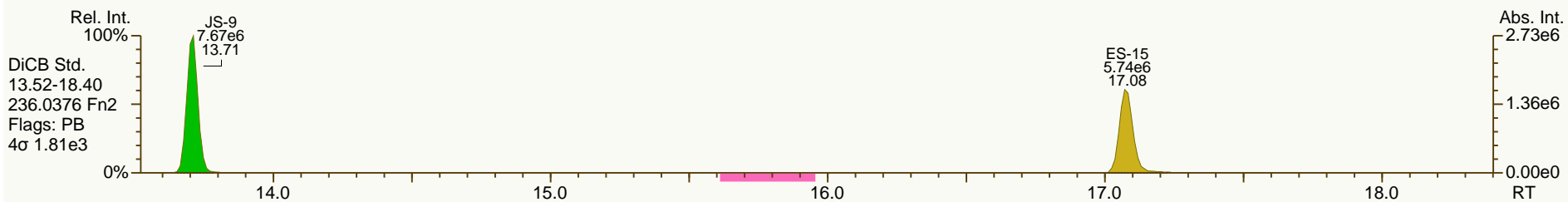
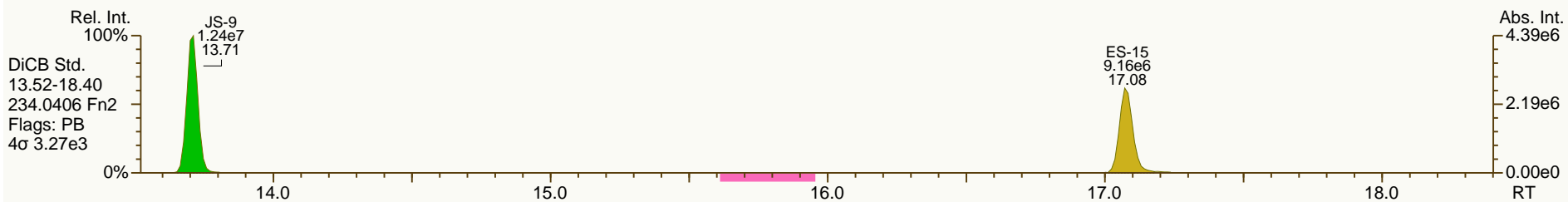
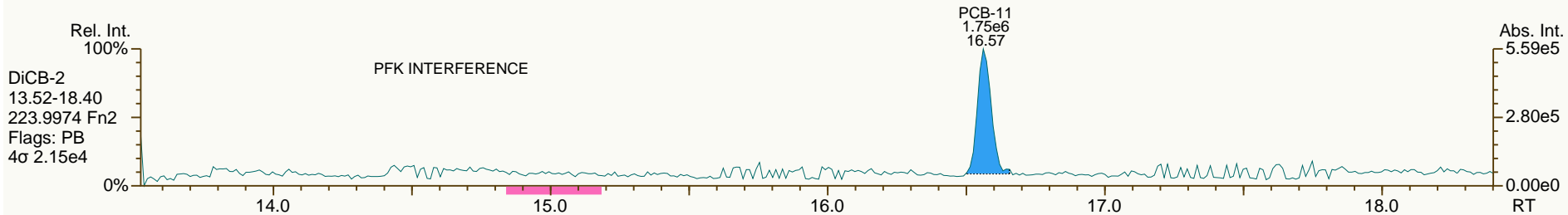
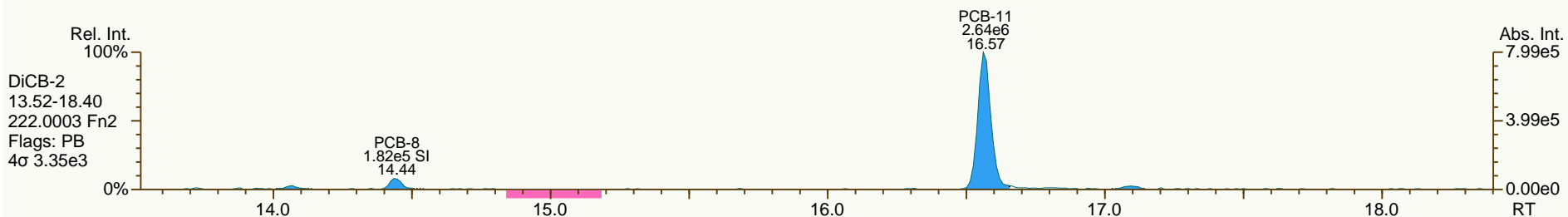
Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

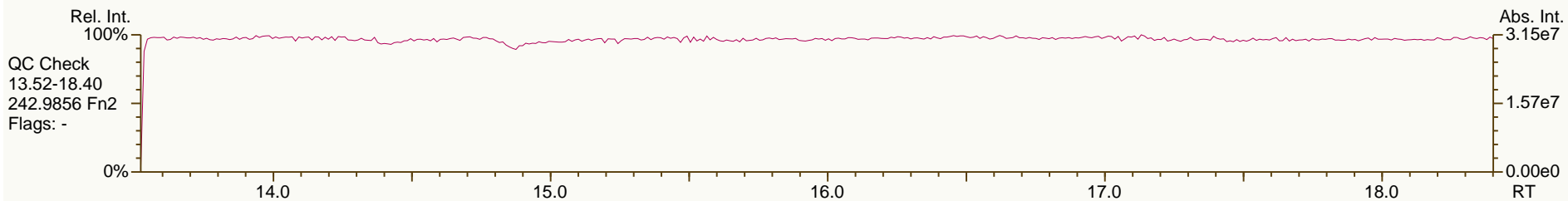
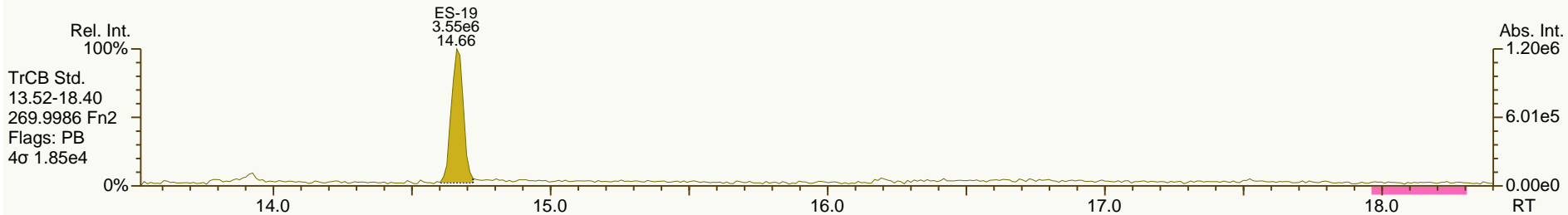
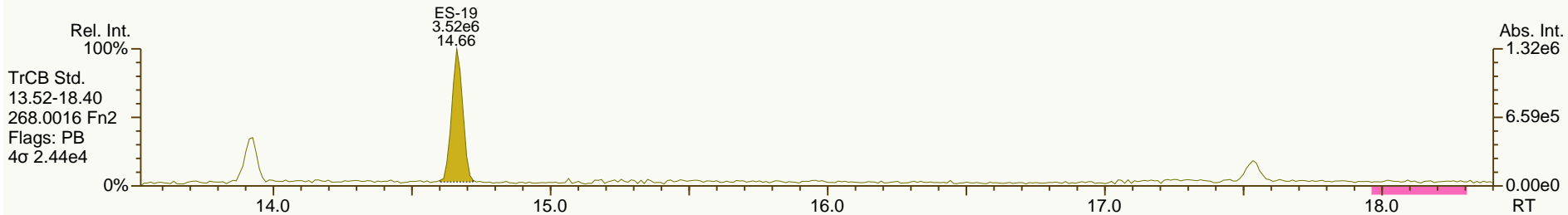
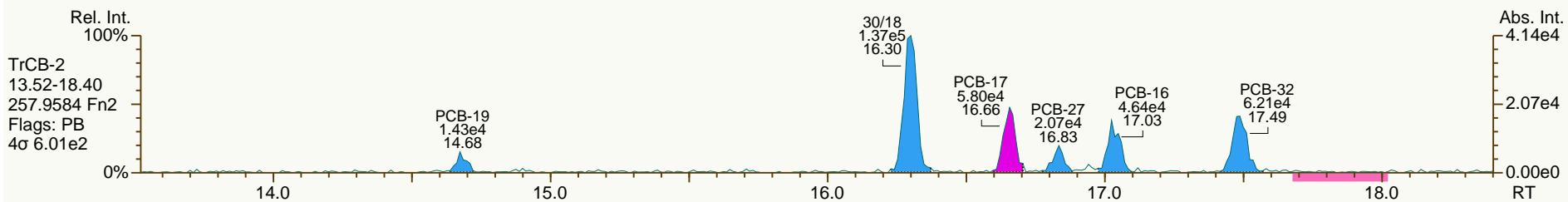
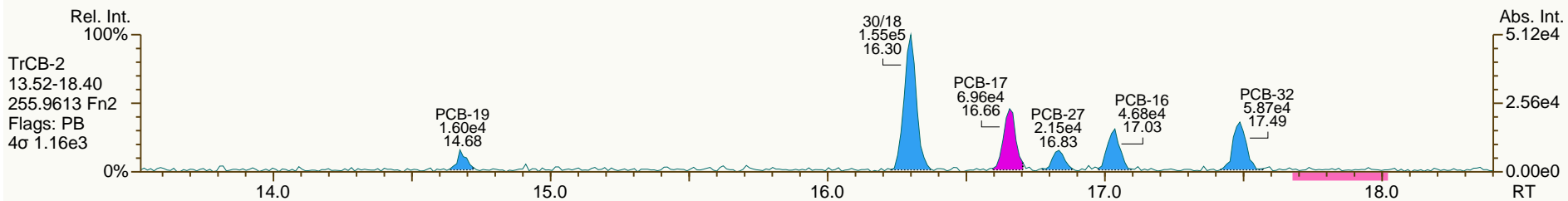
Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

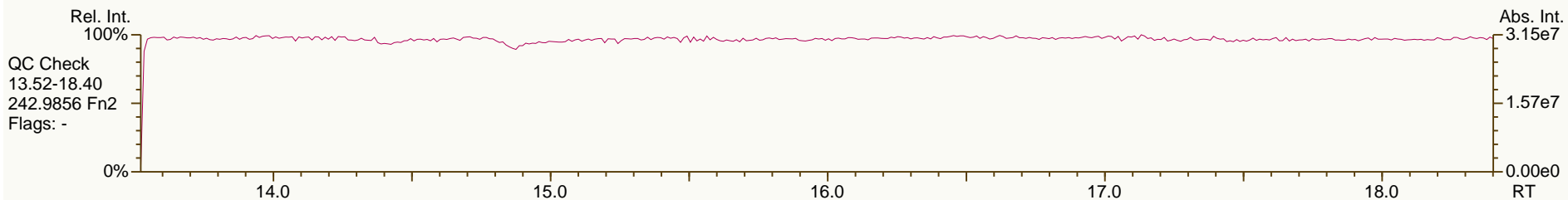
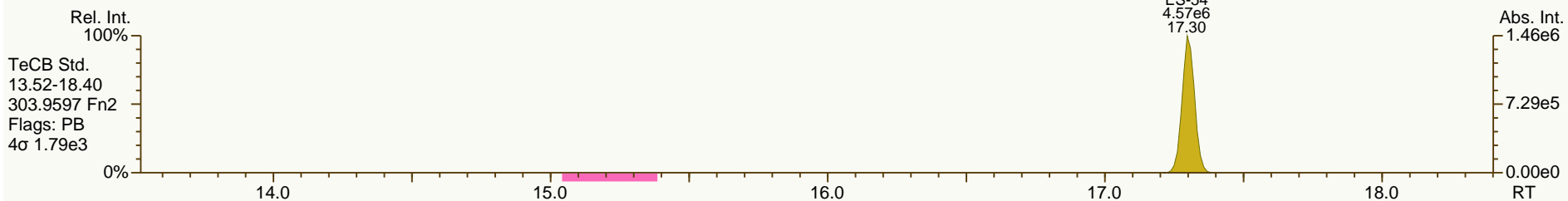
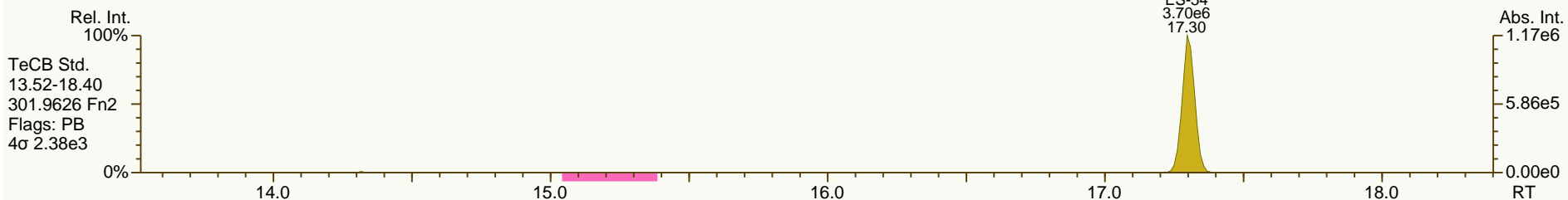
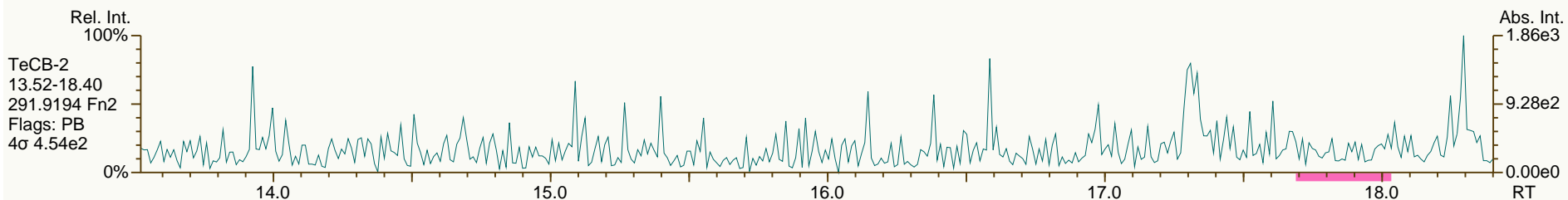
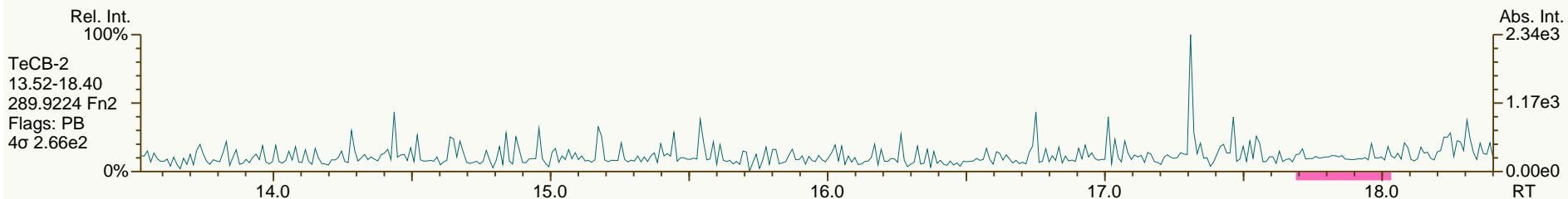
Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

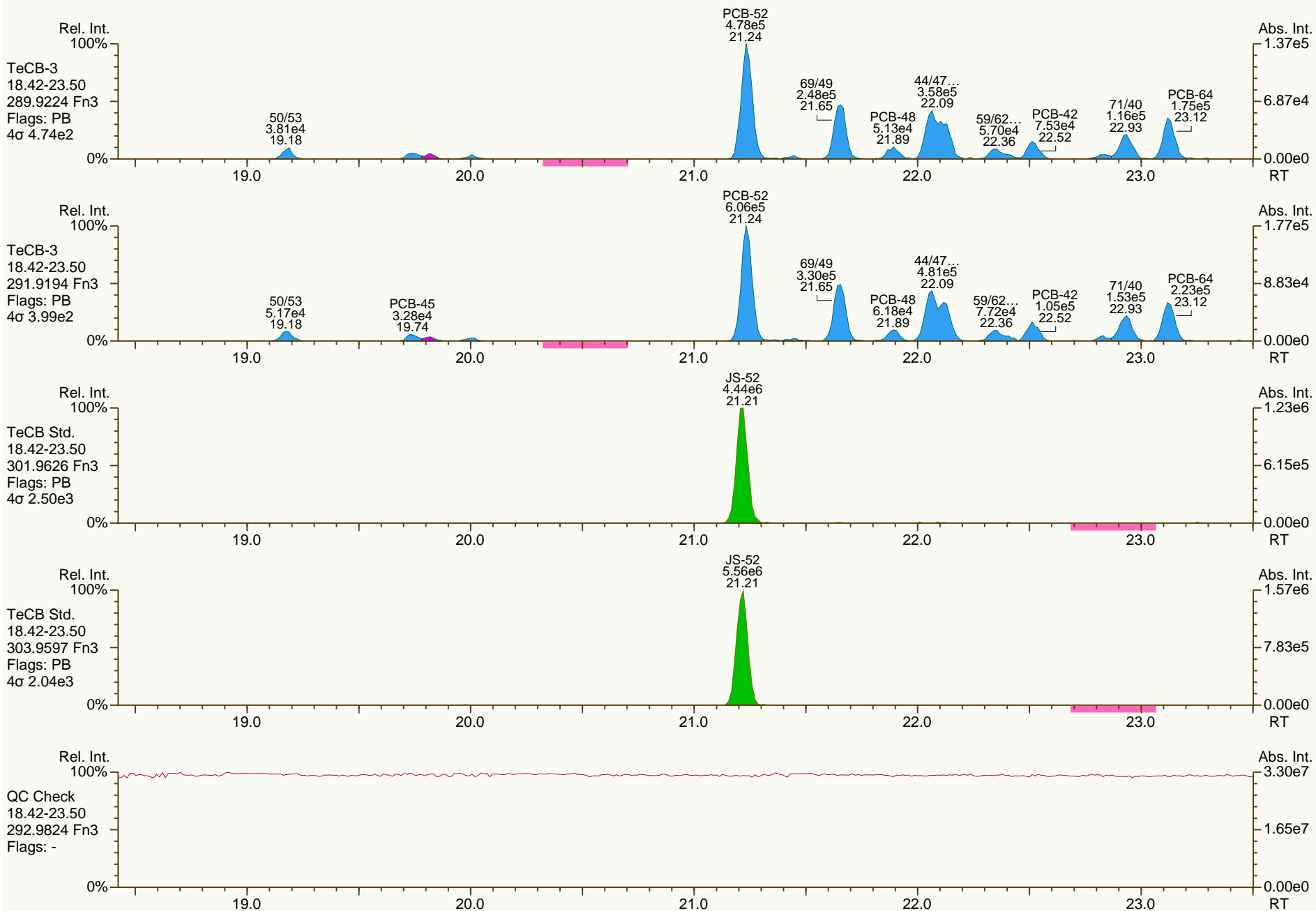
Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

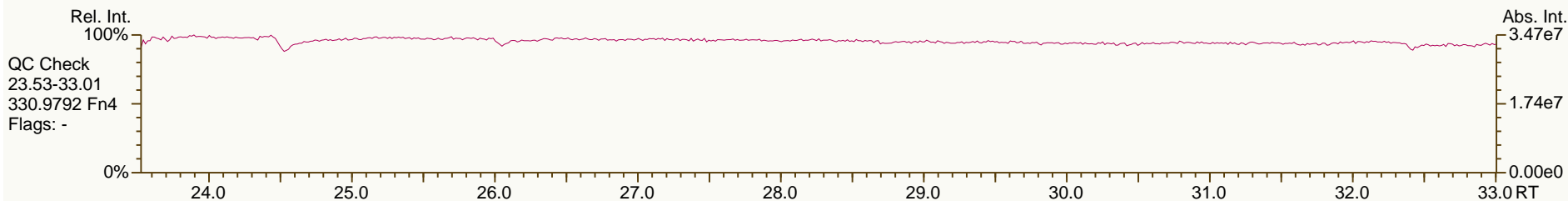
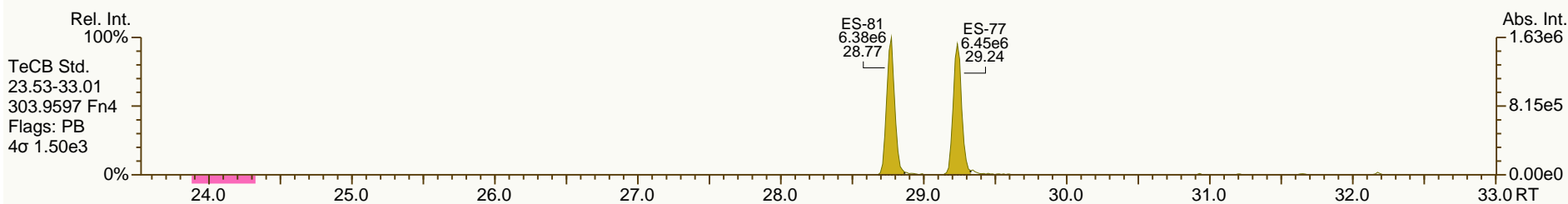
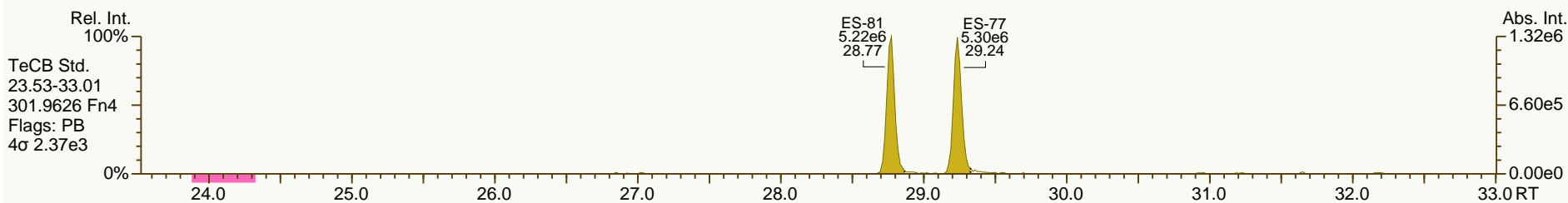
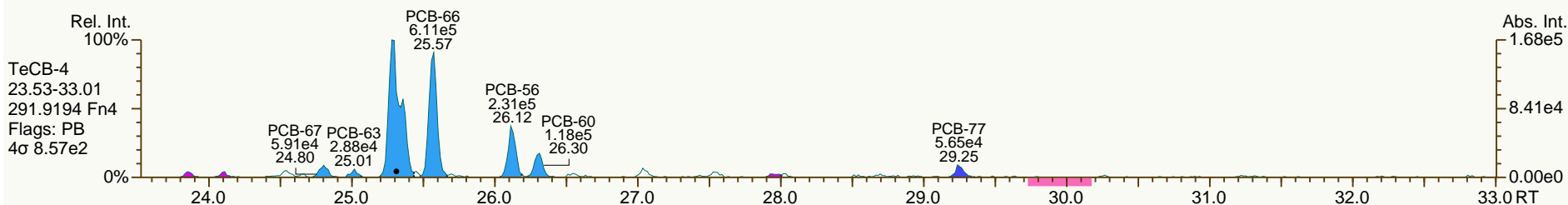
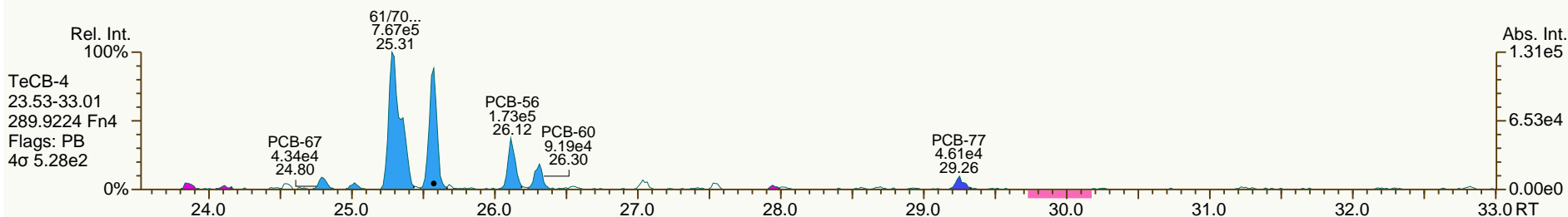
Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

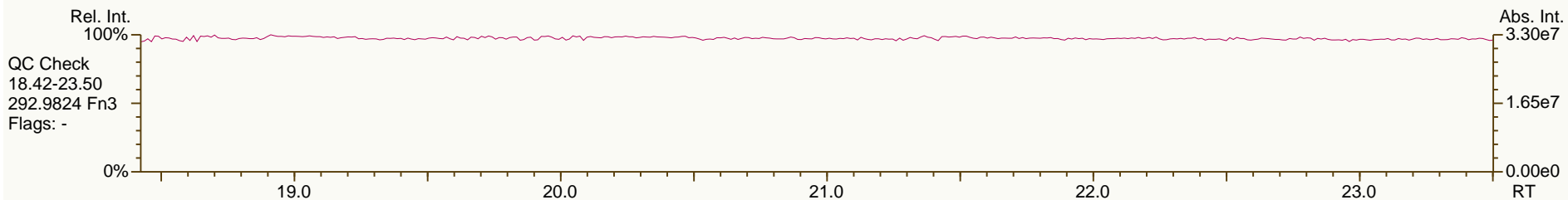
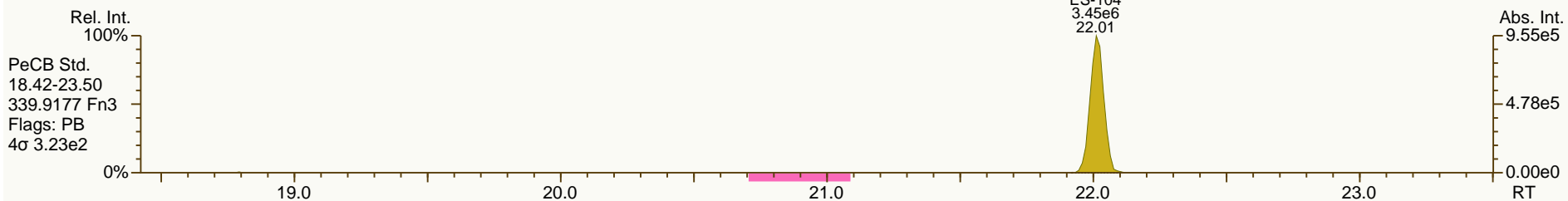
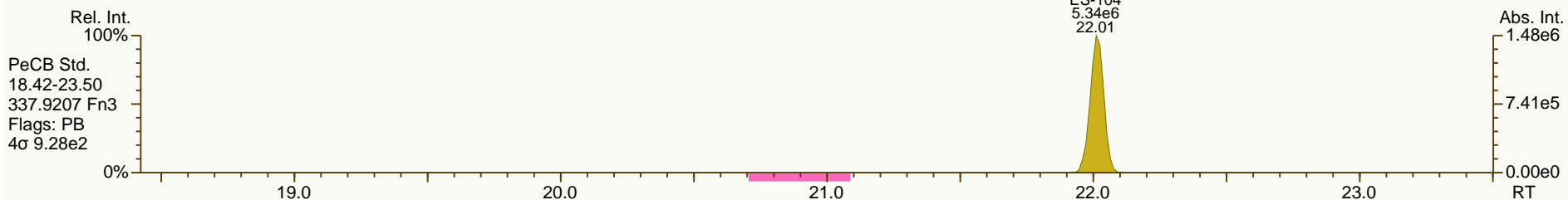
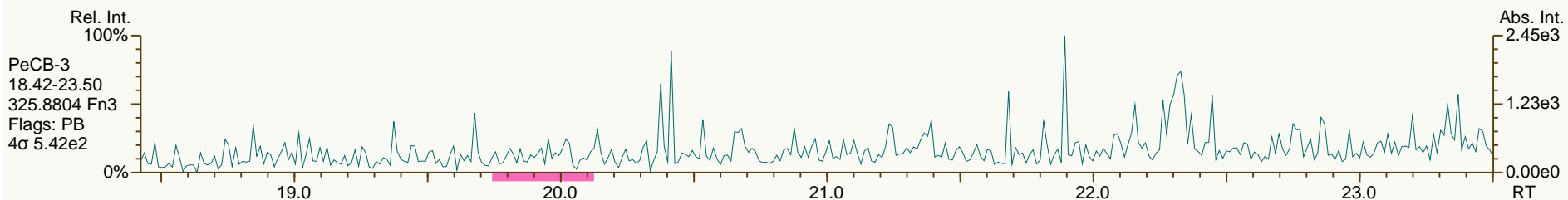
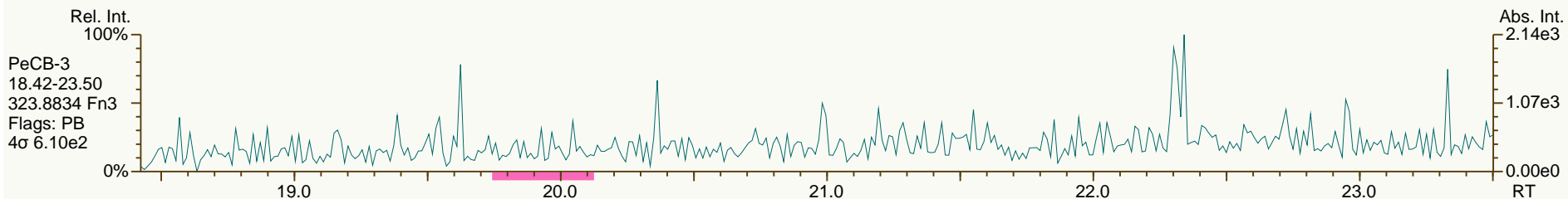
Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

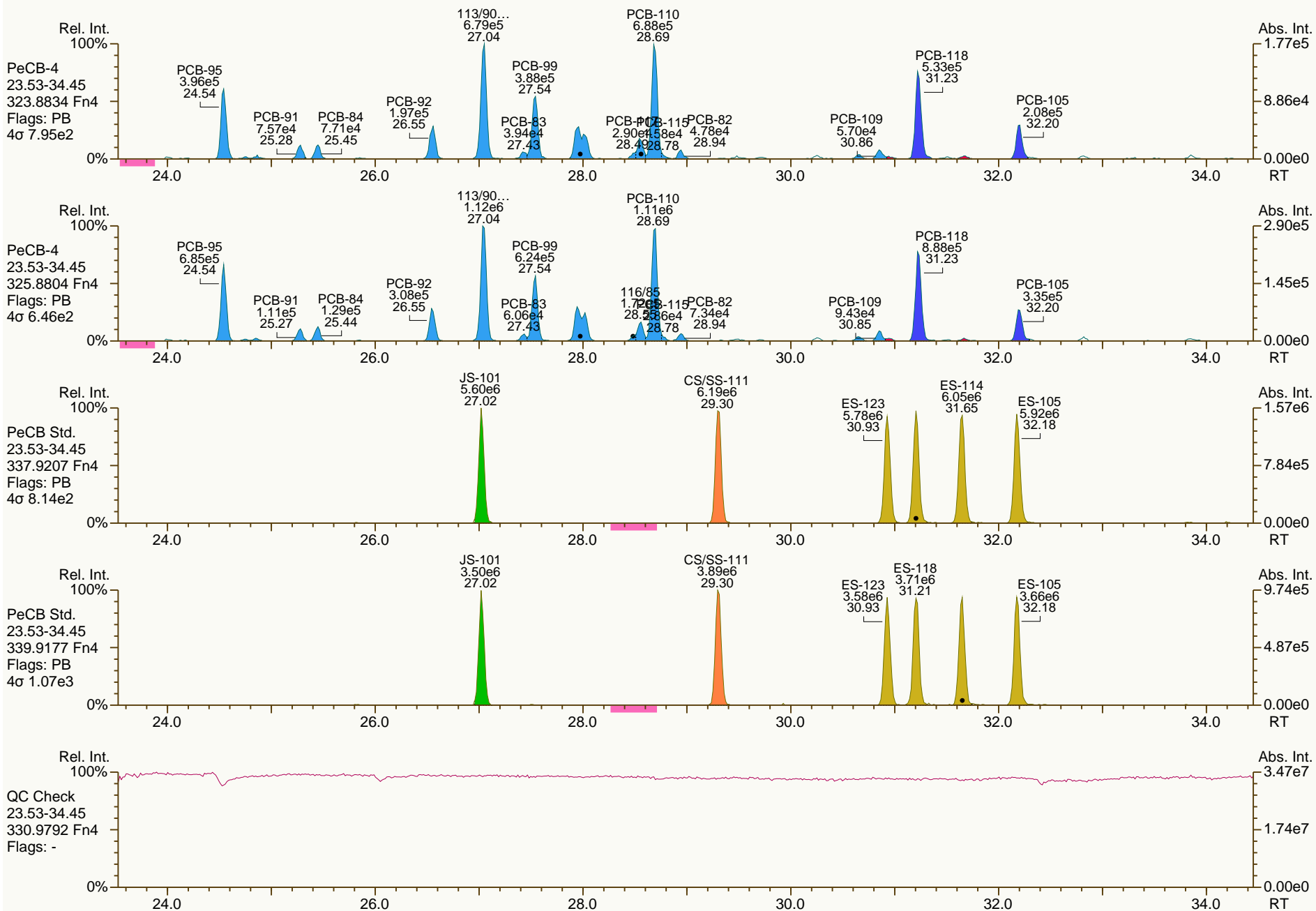
Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

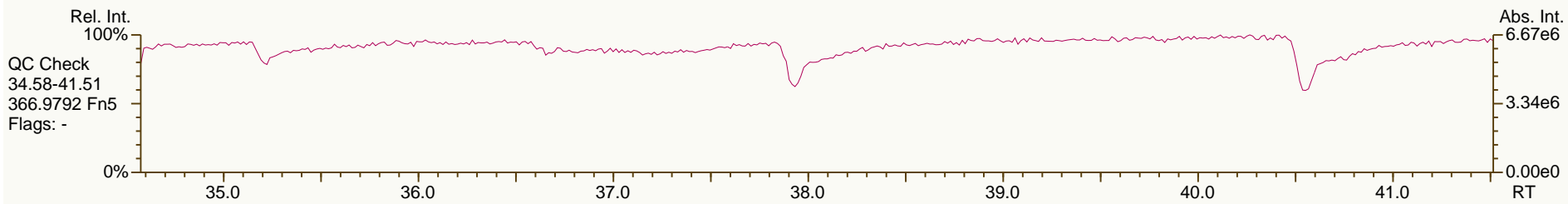
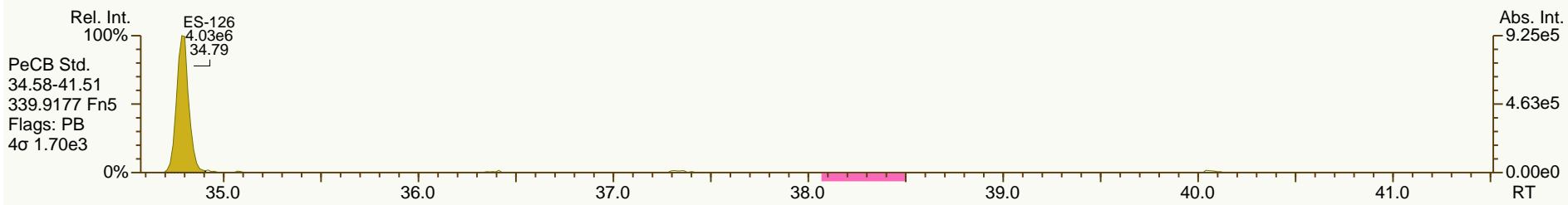
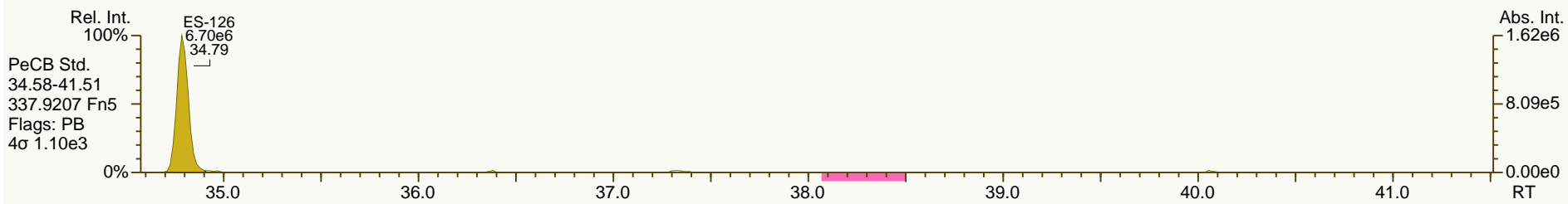
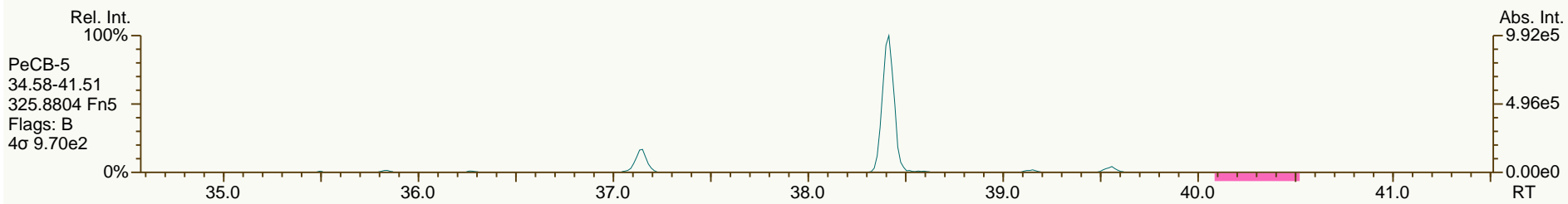
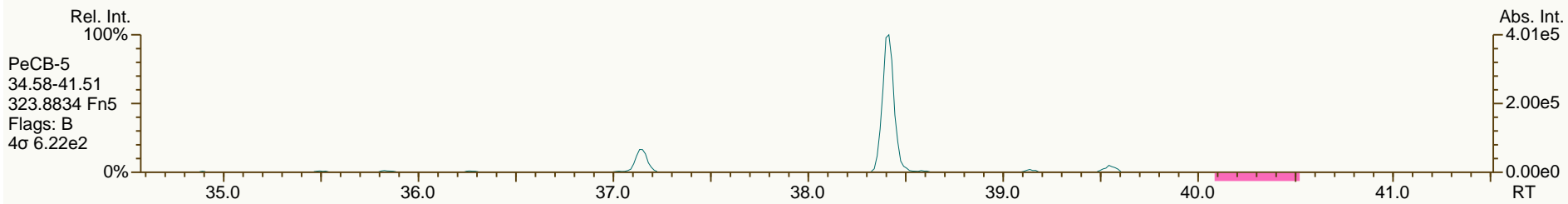
Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

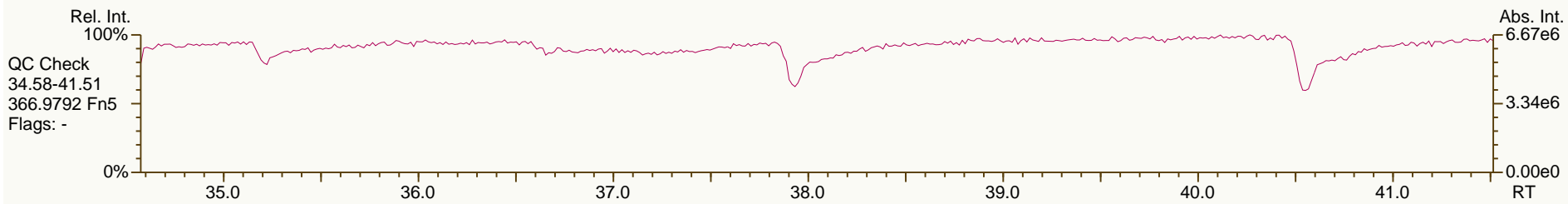
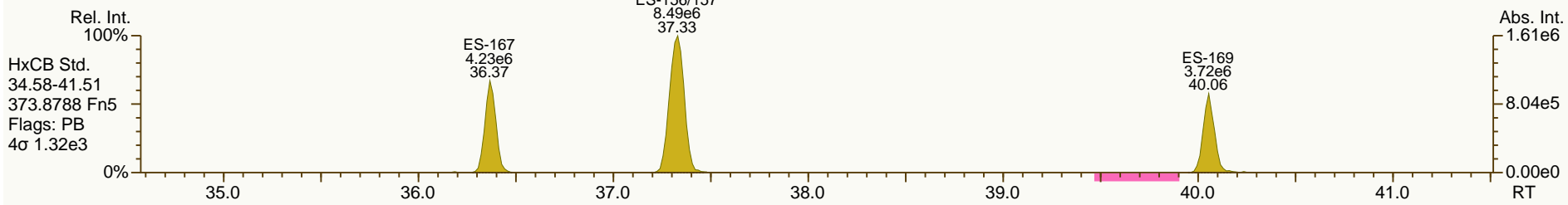
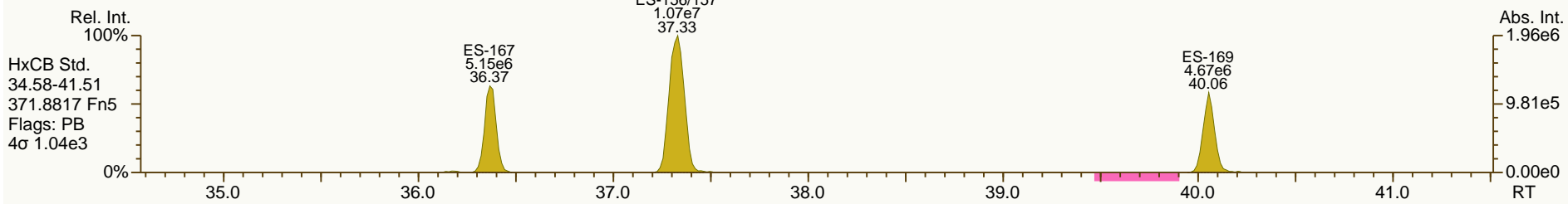
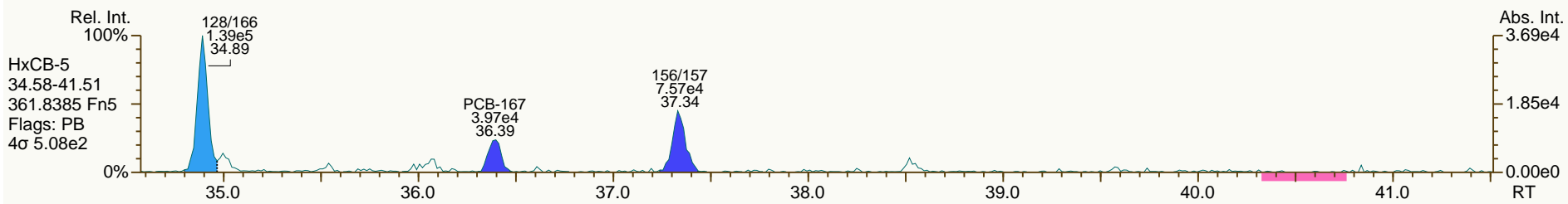
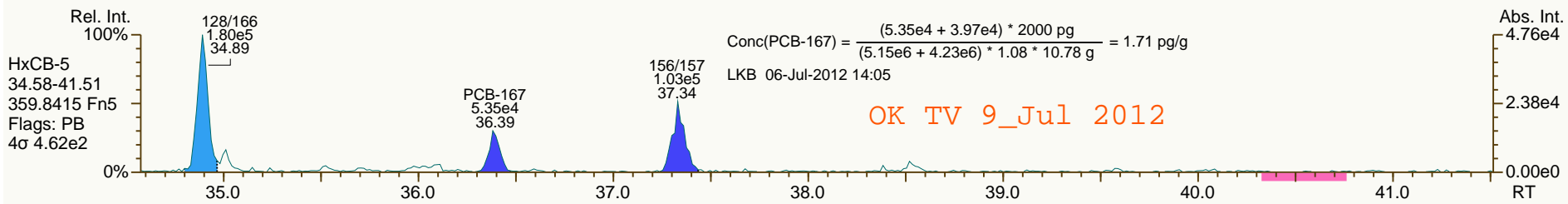
Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

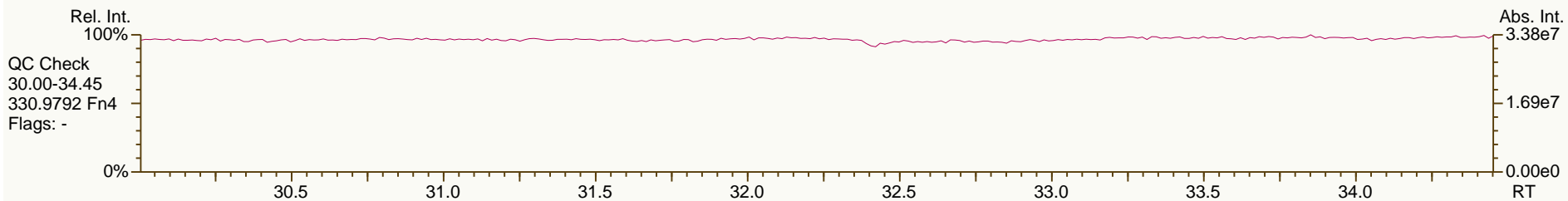
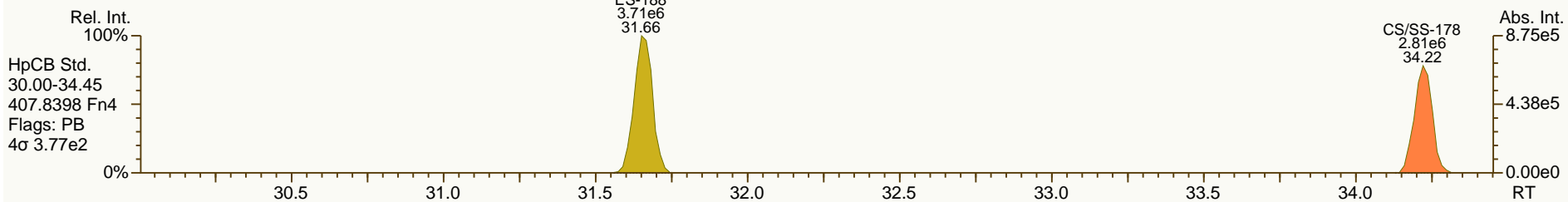
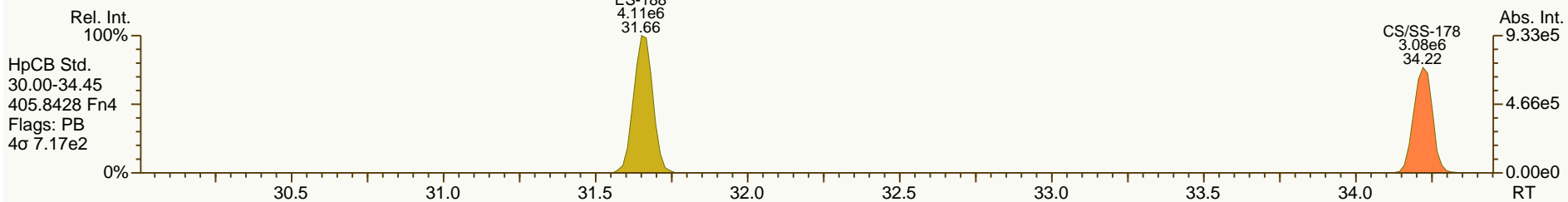
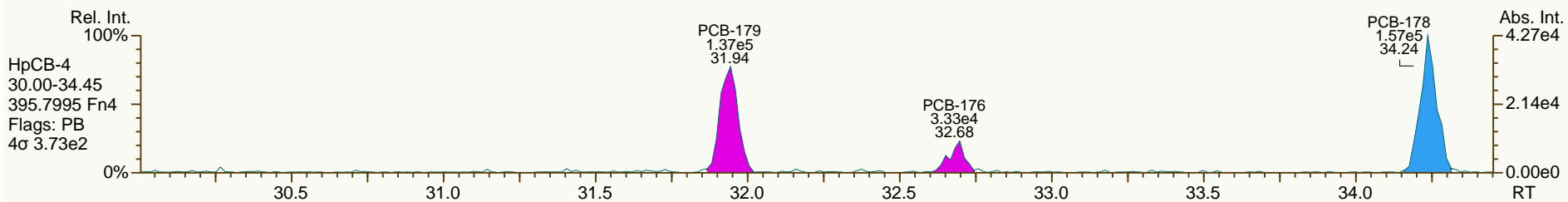
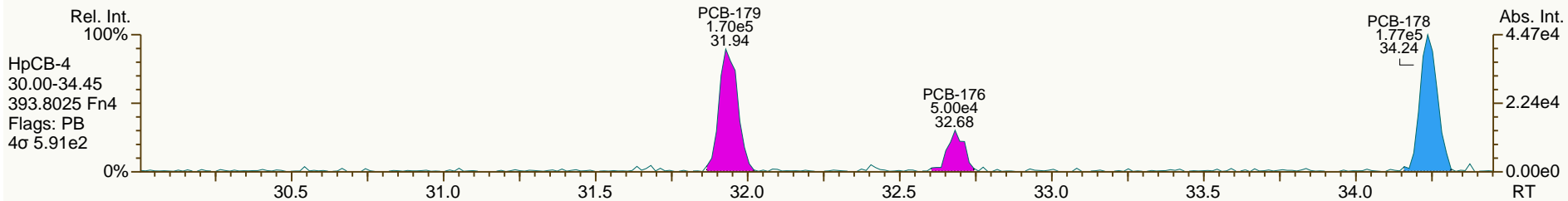
Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

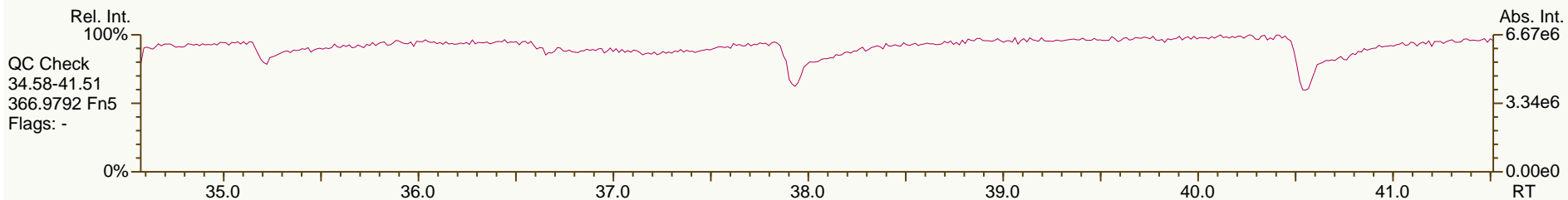
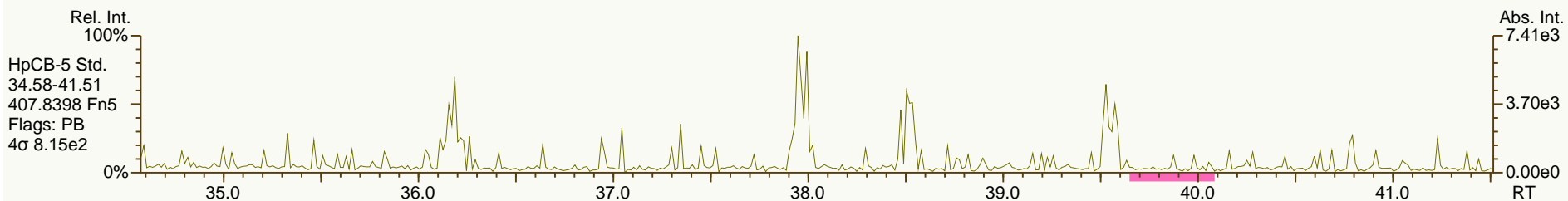
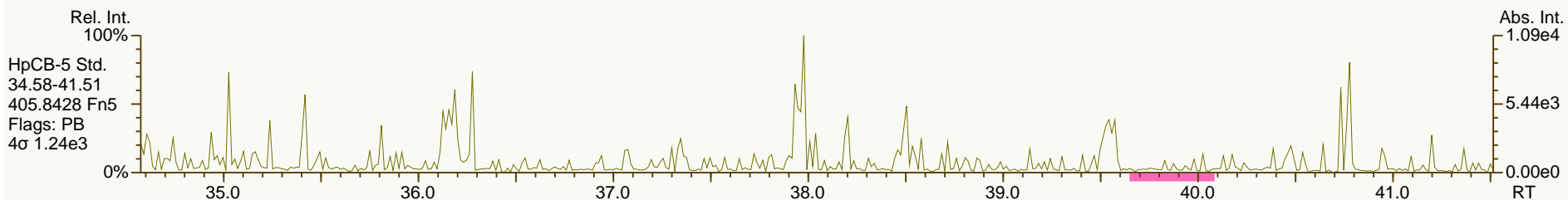
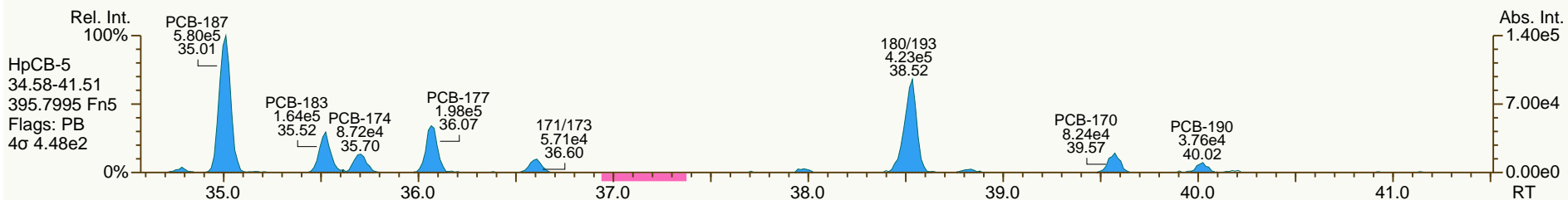
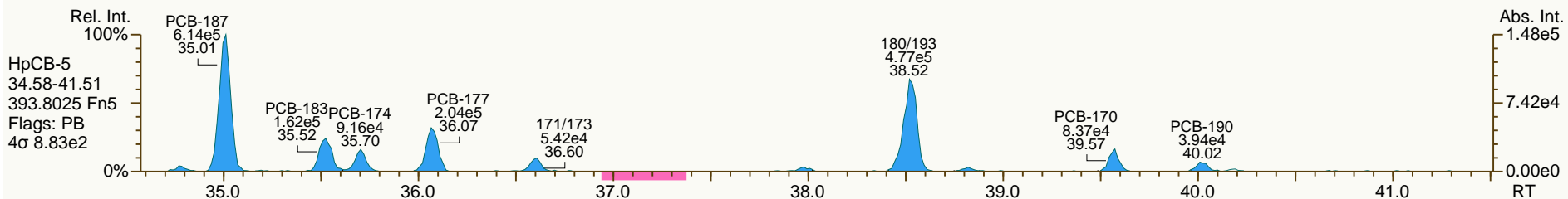
Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

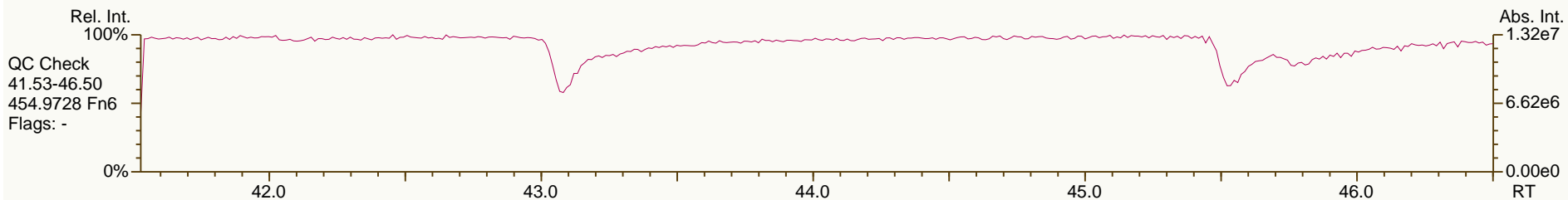
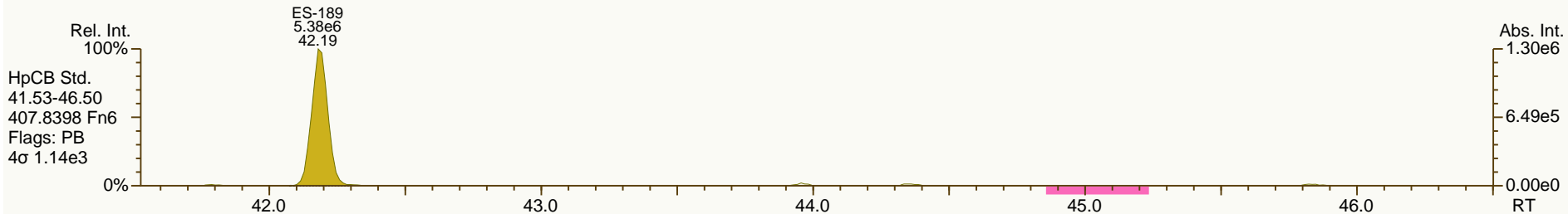
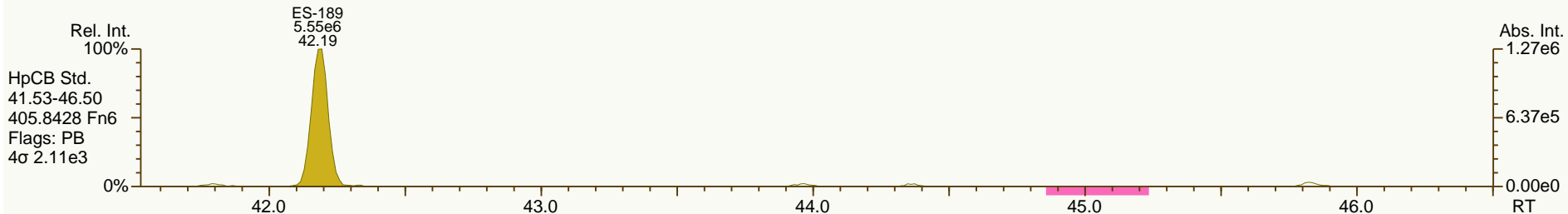
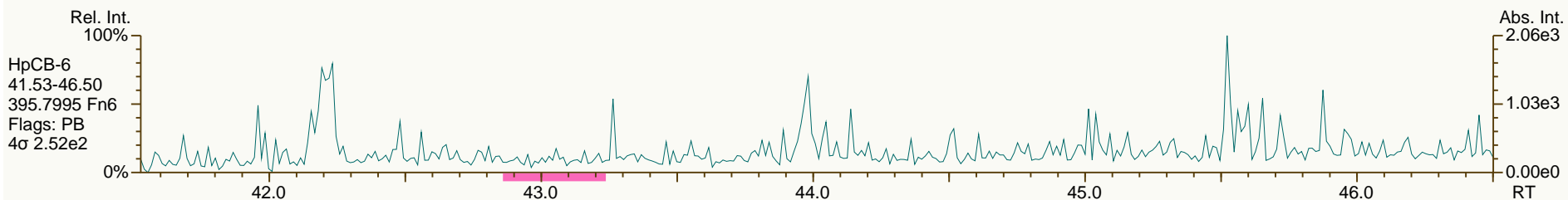
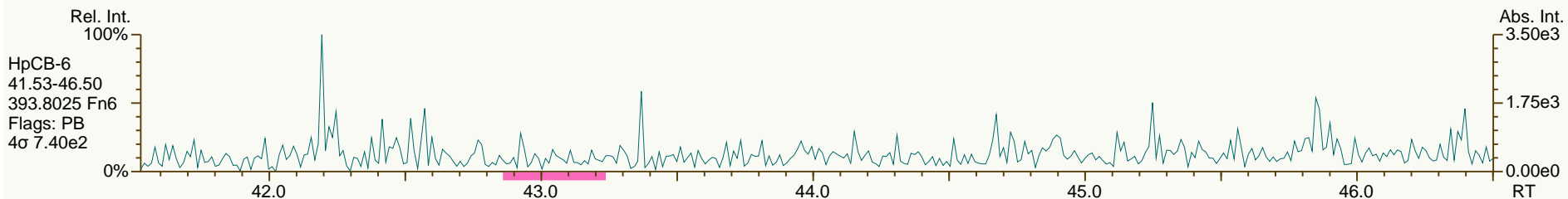
Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

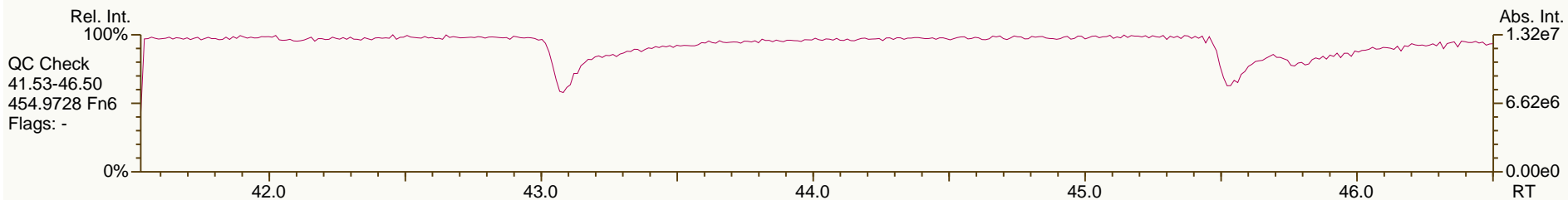
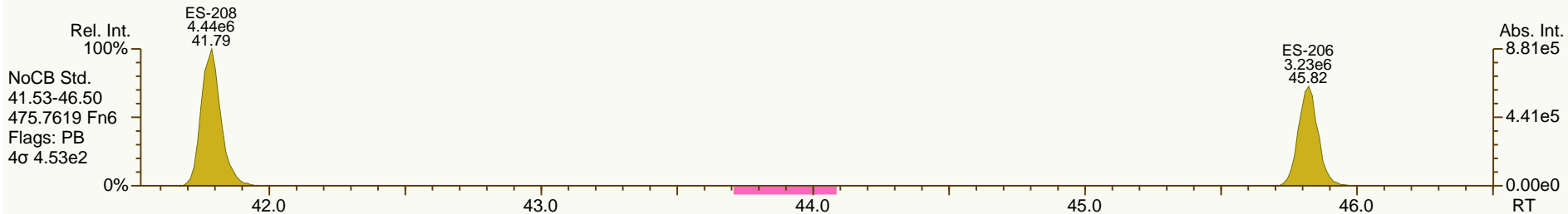
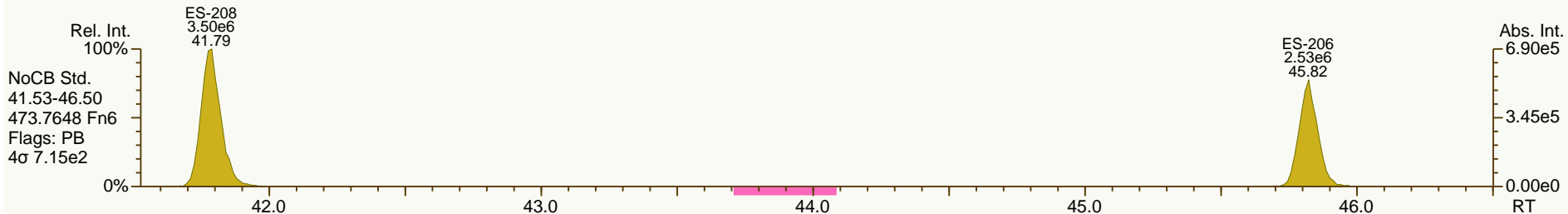
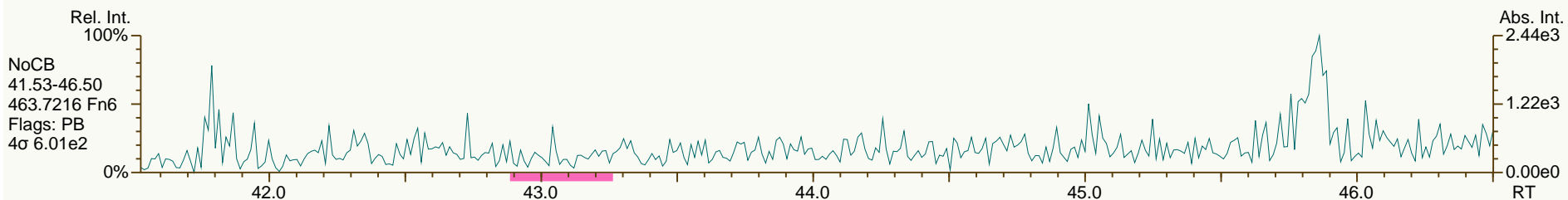
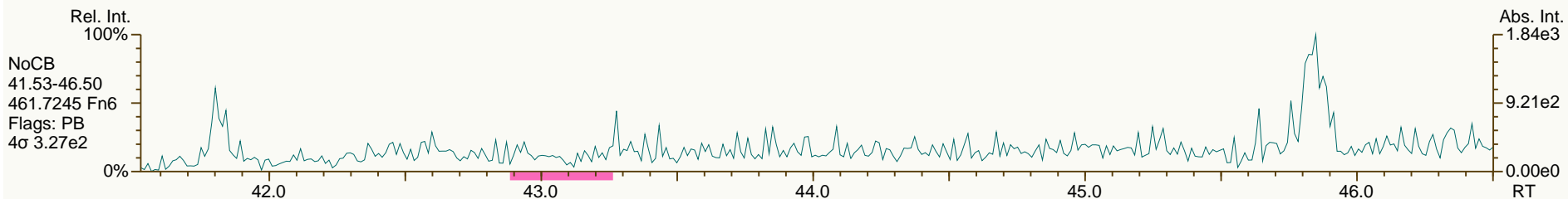
Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

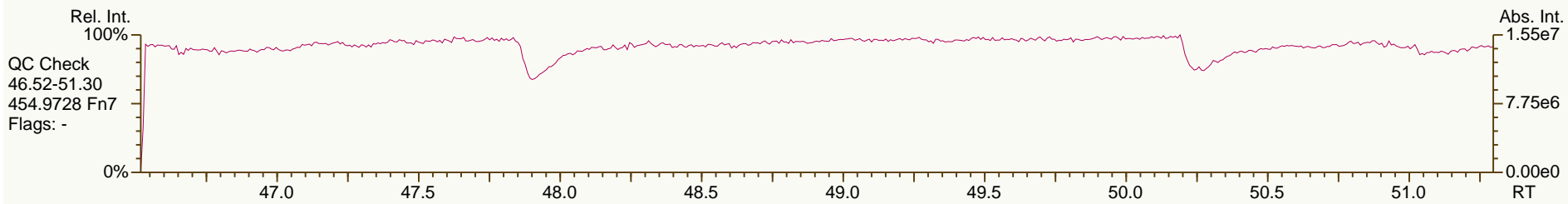
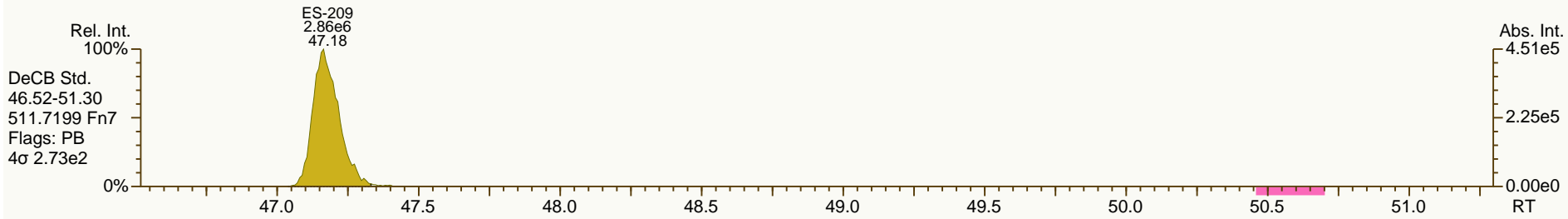
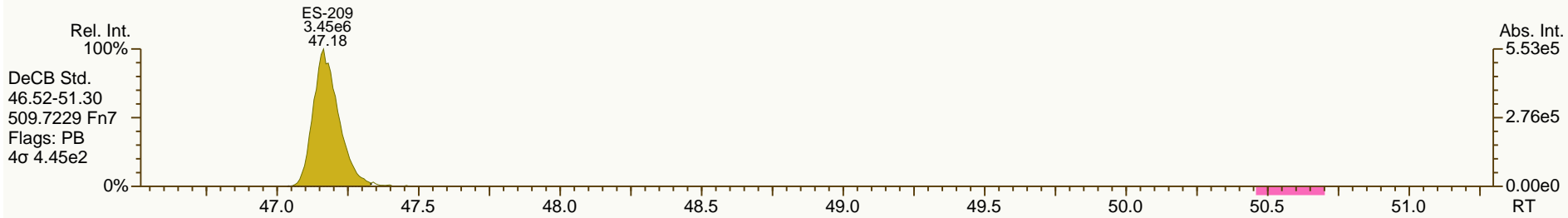
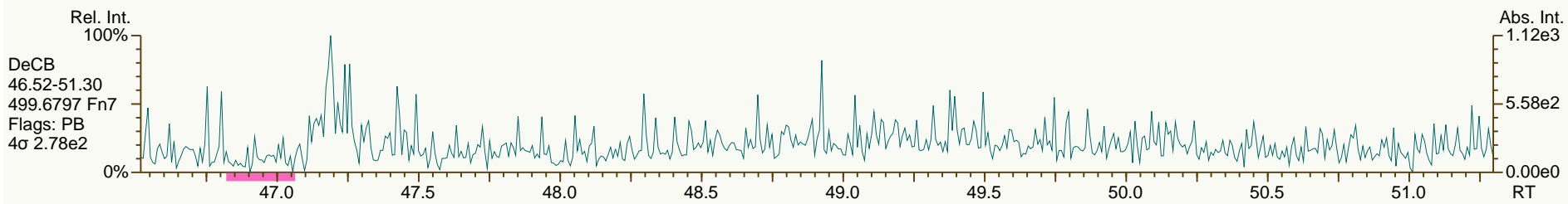
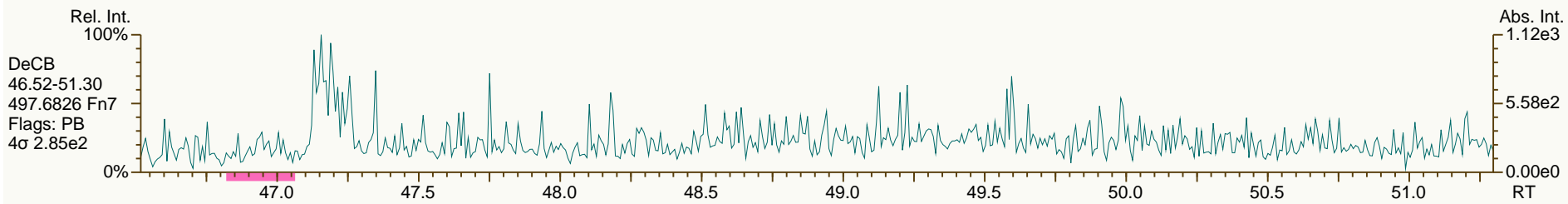
Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

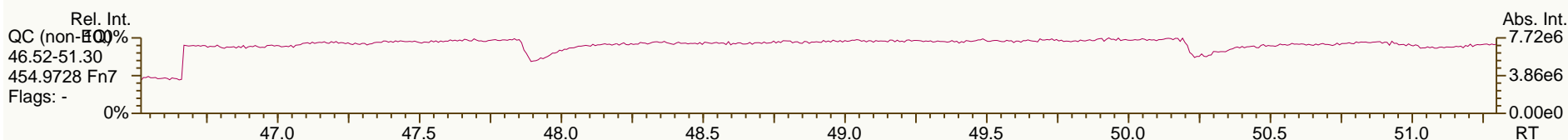
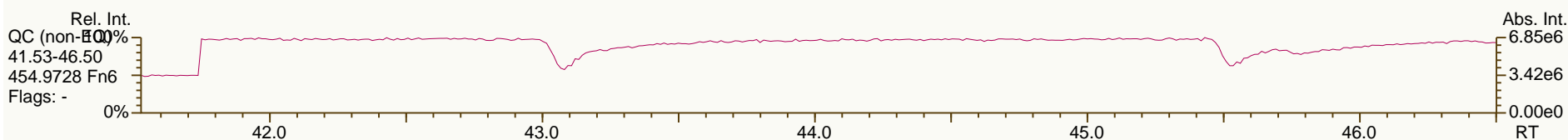
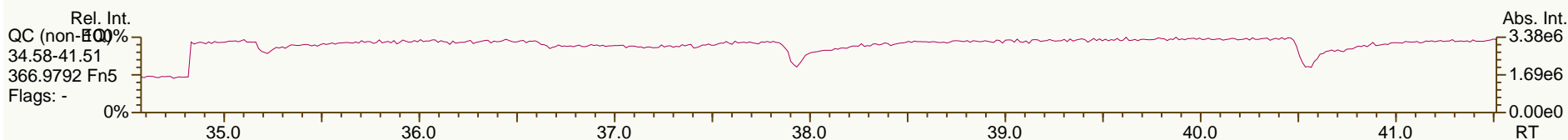
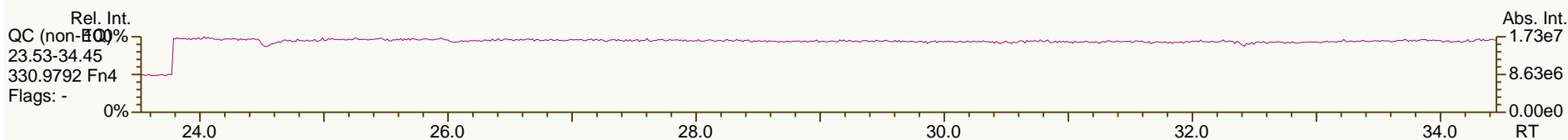
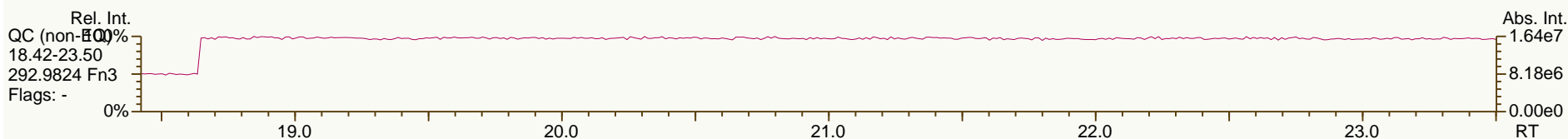
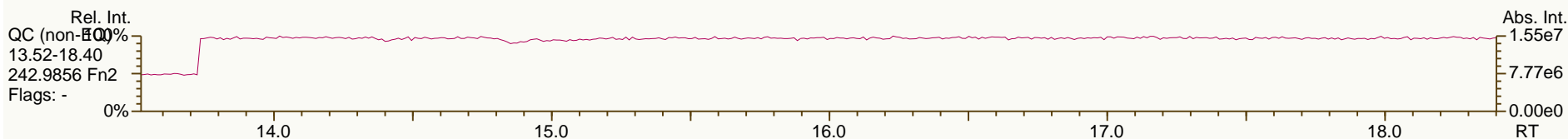
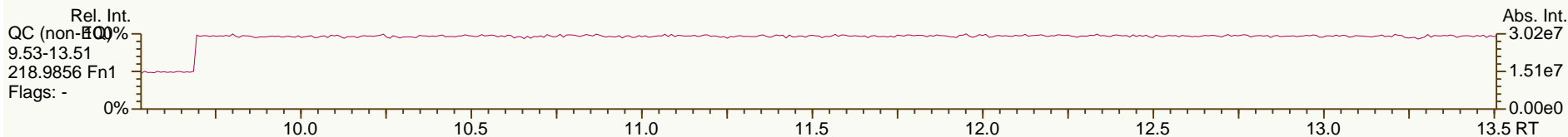
Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

Acq: 03-Jul-2012 19:52:35
 User: LKB Datafile: 120703S09



Lab ID: A4369_9892_PCB_004
 Client ID: JW-E10-TISSUE-120516
 Datafile: 120703S10

ACQ: 03-Jul-2012 20:47:34 LKB Wt/Vol: 11.04 g
 UTP: 06-Jul-2012 13:58 LKB J-level: 0.906 pg/g Split: 1
 RPT: 06-Jul-2012 13:59 LB Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

ICAL: MM4_PCB_01102012_26JAN12 CS3_120703_PCB_SC
 Checkcode: 719-616-NVW
 Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.26		1.0006	1.0008	+0.4	1.13E+05	0.84	1.22	2.36	1.57E+03	0.356
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.57E+03	0.308
PCB-105 233'44'-PeCB	32.20		1.0007	1.0007	0	1.32E+06	0.62	1.03	40.5	1.99E+03	0.662
PCB-114 2344'5'-PeCB	31.67		1.0007	1.0007	0	6.93E+04	0.60	1.10	2.07	1.99E+03	0.613
PCB-118 23'44'5'-PeCB	31.23		1.0008	1.0007	-0.2	3.40E+06	0.60	1.03	98.8	1.99E+03	0.556
PCB-123 23'44'5'-PeCB	30.96		1.0007	1.0009	+0.4	5.32E+04	0.56	0.93	1.84	1.99E+03	0.668
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.55E+03	0.402
PCB-156/157 ...-HxCB	37.34	C	1.0005	1.0003	-0.4	3.82E+05	1.21	1.05	11.6	1.26E+03	0.519
PCB-167 23'44'55'-HxCB	36.39		1.0006	1.0006	0	1.82E+05	1.38	1.08	5.42	1.26E+03	0.358
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.26E+03	0.479
PCB-189 233'44'55'-HpCB	42.20	J	1.0005	1.0003	-0.5	2.54E+04	1.07	1.11	0.628	1.09E+03	0.272
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	5.13E+02	0.381
ES PCB-1	9.84		0.7181	0.7175	-0.4	6.40E+06	3.30	1.01	56.2 %	4%	100%
ES PCB-3	11.77		0.8583	0.8583	0	6.54E+06	3.34	1.05	55.2 %	11%	106%
ES PCB-4	11.97		0.8732	0.8729	-0.2	4.06E+06	1.61	0.70	51.7 %	14%	107%
ES PCB-15	17.08		1.2453	1.2458	+0.5	8.15E+06	1.62	1.17	61.8 %	19%	107%
ES PCB-19	14.67		1.0698	1.0696	-0.2	3.82E+06	1.09	0.57	59.9 %	1%	108%
ES PCB-37	23.06		1.0865	1.0869	+0.6	6.59E+06	1.08	1.41	81.4 %	25%	123%
ES PCB-54	17.30		0.8157	0.8156	-0.1	4.66E+06	0.82	1.32	61.5 %	13%	105%
ES PCB-77	29.24		1.3777	1.3783	+1.1	7.11E+06	0.83	1.22	102 %	31%	109%
ES PCB-81	28.77		1.3557	1.3562	+0.9	7.05E+06	0.80	1.15	107 %	14%	127%
ES PCB-104	22.01		0.8147	0.8146	-0.1	5.10E+06	1.65	1.69	57.9 %	36%	115%
ES PCB-105	32.18		1.1906	1.1908	+0.4	5.74E+06	1.65	1.21	91.1 %	50%	111%
ES PCB-114	31.65		1.1709	1.1711	+0.4	5.53E+06	1.66	1.23	85.8 %	41%	121%
ES PCB-118	31.21		1.1547	1.1548	+0.2	6.02E+06	1.69	1.25	92.6 %	49%	111%
ES PCB-123	30.93		1.1444	1.1445	+0.2	5.67E+06	1.66	1.33	81.9 %	49%	116%
ES PCB-126	34.79		1.2871	1.2874	+0.6	6.31E+06	1.72	1.36	89 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.84		0.7939	0.7937	-0.3	5.65E+06	1.34	1.40	83.7 %	25%	124%
ES PCB-156/157	37.33		1.1035	1.1036	+0.2	1.14E+07	1.25	1.13	105 %	40%	120%
ES PCB-167	36.37		1.0753	1.0753	0	5.62E+06	1.34	1.13	103 %	45%	118%
ES PCB-169	40.06		1.1842	1.1843	+0.2	5.03E+06	1.28	1.14	91.5 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.66		0.7204	0.7202	-0.4	4.70E+06	1.07	1.34	73 %	23%	125%
ES PCB-189	42.18		0.9598	0.9597	-0.3	6.61E+06	1.08	1.77	98.3 %	47%	116%
ES PCB-202	36.17		0.8230	0.8229	-0.2	5.27E+06	0.90	1.27	86.3 %	31%	134%
ES PCB-205	44.35		1.0090	1.0091	+0.3	4.45E+06	0.90	1.25	93.5 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.83		1.0424	1.0425	+0.3	3.57E+06	0.79	1.07	87.8 %	38%	122%
ES PCB-208	41.79		0.9508	0.9507	-0.3	4.74E+06	0.81	1.34	93 %	31%	126%
ES PCB-209	47.18		1.0732	1.0733	+0.3	3.68E+06	1.17	1.18	81.6 %	43%	115%
CS/SS PCB-28	19.67		0.9269	0.9270	+0.1	6.83E+06	1.10	0.98	106 %	14%	131%
CS/SS PCB-111	29.30	V	1.0843	1.0843	0	5.89E+06	1.66	0.90	116 %	57%	112%
CS/SS PCB-178	34.22		1.0118	1.0118	0	3.37E+06	1.02	0.65	111 %	57%	125%
CS PCB-28	19.67		0.9269	0.9270	+0.1	6.83E+06	1.10	1.39	86.1 %	14%	131%
CS PCB-111	29.30		1.0843	1.0843	0	5.89E+06	1.66	1.19	94.6 %	57%	112%
CS PCB-178	34.22		1.0118	1.0118	0	3.37E+06	1.02	0.87	80.8 %	57%	125%
JS PCB-9	13.71					1.12E+07	1.64				
JS PCB-52	21.22					5.73E+06	0.80				
JS PCB-101	27.02					5.22E+06	1.64				
JS PCB-138	33.82					4.81E+06	1.40				
JS PCB-194	43.95					3.81E+06	0.90				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	5.36	5.36	0.358		
						Di-CBs	148	148	1.67		
						Tri-CBs	204	204	0.564		
						Tetra-CBs	422	423	0.313		
						Penta-CBs	883	883	0.557		
						Hexa-CBs	890	896	0.388		
						Hepta-CBs	265	282	0.479		
						Octa-CBs	71.5	71.5	0.327		
						Nona-CBs	0.641	2.69	0.609		
PCB-1 2-MoCB	9.85		1.0011	1.0010	-0.1	6.19E+04	3.14	1.20	1.46	2.62E+03	0.314
PCB-2 3-MoCB	11.62		0.9878	0.9878	0	9.68E+04	3.21	1.14	2.34	2.62E+03	0.396
PCB-3 4-MoCB	11.78		1.0010	1.0009	-0.1	6.36E+04	2.88	1.13	1.56	2.62E+03	0.401
PCB-4 22'-DiCB	11.98		1.0012	1.0011	-0.1	1.60E+05	SI	0.94	7.56	7.34E+03	2.15
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.67	ND	2.97E+04	4.93
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.89	ND	2.20E+04	4.77
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.05	ND	2.20E+04	4.05
PCB-6 23'-DiCB	14.07		1.0261	1.0262	+0.1	1.71E+05	SI	0.96	3.96	6.25E+03	1.26
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.94	ND	2.20E+04	4.51
PCB-8 24'-DiCB	14.44		1.0533	1.0534	+0.1	3.93E+05	SI	1.01	8.66	6.25E+03	1.19
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.10	ND	2.20E+04	3.85
PCB-11 33'-DiCB	16.57		0.9701	0.9700	-0.1	5.12E+06	1.40	0.94	121	2.20E+04	4.52
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00		0.94	ND	2.20E+04	4.5
PCB-15 44'-DiCB	17.09		1.0008	1.0008	0	2.81E+05	SI	1.01	6.22	6.25E+03	1.2

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.68		1.0011	1.0010	-0.1	1.03E+05	0.95	1.01	4.84	1.67E+03	0.587
PCB-30/18 246/22'5-TrCB	16.30	C	1.1110	1.1115	+0.5	6.35E+05	1.05	1.23	24.5	1.67E+03	0.484
PCB-17 22'4-TrCB	16.66		1.1357	1.1358	+0.1	3.36E+05	1.01	1.05	15.2	1.67E+03	0.567
PCB-27 23'6-TrCB	16.84		1.1479	1.1480	+0.1	2.34E+05	1.07	1.38	8.07	1.67E+03	0.431
PCB-24 236-TrCB	16.96	J	1.1558	1.1568	+1.0	2.15E+04	1.04	1.30	0.781	1.67E+03	0.456
PCB-16 22'3-TrCB	17.04		1.1612	1.1616	+0.4	2.27E+05	1.05	0.85	12.6	1.67E+03	0.696
PCB-32 24'6-TrCB	17.49		1.1923	1.1925	+0.2	3.79E+05	1.15	1.46	12.3	1.67E+03	0.405
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.24	ND	2.46E+03	0.523
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.27	ND	2.46E+03	0.509
PCB-26/29 23'5/245-TrCB	18.97	C	0.8236	0.8225	-1.3	6.64E+05	1.04	1.29	14.2	2.46E+03	0.504
PCB-25 23'4-TrCB	19.17		0.8315	0.8314	-0.1	2.88E+05	1.05	1.29	6.16	2.46E+03	0.503
PCB-31 24'5-TrCB	19.44		0.8430	0.8428	-0.2	1.49E+06	1.08	1.33	31	2.46E+03	0.489
PCB-28/20 244'/233'-TrCB	19.69	C	0.8542	0.8538	-0.5	1.90E+06	1.06	1.26	41.5	2.46E+03	0.516
PCB-21/33 234/23'4'-TrCB	19.88	C	0.8612	0.8622	+1.2	4.38E+05	1.03	1.31	9.21	2.46E+03	0.496
PCB-22 234'-TrCB	20.21		0.8766	0.8765	-0.1	6.41E+05	1.04	1.21	14.5	2.46E+03	0.534
PCB-36 33'5-TrCB	21.56	J	0.9351	0.9350	-0.1	3.25E+04	1.02	1.26	0.71	2.46E+03	0.516
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.32	ND	2.46E+03	0.492
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.18	ND	2.46E+03	0.55
PCB-35 33'4-TrCB	22.74		0.9860	0.9860	0	6.93E+04	1.11	1.15	1.66	2.46E+03	0.564
PCB-37 344'-TrCB	23.08		1.0008	1.0008	0	2.99E+05	0.99	1.20	6.87	2.46E+03	0.541
PCB-54 22'66'-TeCB	17.32	J	1.0010	1.0011	+0.1	1.58E+04	0.80	0.93	0.661	9.62E+02	0.327
PCB-50/53 22'46/22'56'-TeCB	19.18	C	0.9051	0.9040	-1.3	3.57E+05	0.71	0.83	11.1	9.26E+02	0.273
PCB-45 22'36-TeCB	19.74		0.9304	0.9306	+0.2	1.40E+05	0.87	0.68	5.28	9.26E+02	0.333
PCB-51 22'46'-TeCB	19.82		0.9340	0.9341	+0.1	1.38E+05	0.73	0.84	4.22	9.26E+02	0.269
PCB-46 22'36'-TeCB	20.01		0.9429	0.9430	+0.1	6.79E+04	0.74	0.68	2.57	9.26E+02	0.333
PCB-52 22'55'-TeCB	21.24		1.0010	1.0010	0	2.83E+06	0.76	0.76	96.3	9.26E+02	0.299
PCB-73 23'5'6-TeCB	21.35	J EMPC	1.0069	1.0065	-0.5	1.34E+04	1.18	0.97	0.355	9.26E+02	0.233
PCB-43 22'35-TeCB	21.43		1.0106	1.0102	-0.5	4.47E+04	0.77	0.70	1.63	9.26E+02	0.321
PCB-69/49 23'46/22'45'-TeCB	21.65	C	1.0198	1.0207	+1.2	1.43E+06	0.76	0.94	39.2	9.26E+02	0.242
PCB-48 22'45-TeCB	21.89		1.0319	1.0319	0	2.64E+05	0.72	0.77	8.85	9.26E+02	0.295
PCB-44/47/65 ...-TeCB	22.08	C	1.0416	1.0409	-0.9	1.81E+06	0.77	0.83	55.9	9.26E+02	0.272
PCB-59/62/75 ...-TeCB	22.36	C	1.0541	1.0541	0	2.21E+05	0.83	1.06	5.35	9.26E+02	0.213
PCB-42 22'34'-TeCB	22.52		1.0612	1.0613	+0.1	3.42E+05	0.75	0.72	12.2	9.26E+02	0.315
PCB-41 22'34-TeCB	22.82		1.0759	1.0758	-0.1	8.57E+04	0.70	0.64	3.45	9.26E+02	0.354
PCB-71/40 23'4'6/22'33'-TeCB	22.93	C	1.0806	1.0809	+0.4	7.46E+05	0.77	0.80	24	9.26E+02	0.282
PCB-64 234'6-TeCB	23.13		1.0899	1.0900	+0.1	8.17E+05	0.74	1.10	19.1	9.26E+02	0.206
PCB-72 23'55'-TeCB	23.86		0.8295	0.8293	-0.3	6.14E+04	0.75	1.12	1.41	1.57E+03	0.342
PCB-68 23'45'-TeCB	24.10		0.8379	0.8377	-0.3	7.25E+04	0.86	1.22	1.53	1.57E+03	0.314
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.09	ND	1.57E+03	0.35
PCB-58 233'5'-TeCB	24.64	J	0.8568	0.8565	-0.4	1.71E+04	0.82	1.11	0.396	1.57E+03	0.344
PCB-67 23'45-TeCB	24.80		0.8620	0.8619	-0.1	1.18E+05	0.69	1.17	2.59	1.57E+03	0.326
PCB-63 234'5-TeCB	25.02		0.8697	0.8695	-0.3	7.37E+04	0.72	1.22	1.55	1.57E+03	0.313
PCB-61/70/74/76 ...-TeCB	25.31	C	0.8792	0.8796	+0.6	3.05E+06	0.76	1.13	69.4	1.57E+03	0.339
PCB-66 23'44'-TeCB	25.57		0.8888	0.8887	-0.2	1.39E+06	0.76	1.06	33.7	1.57E+03	0.361
PCB-55 233'4-TeCB	25.69	J	0.8932	0.8928	-0.6	3.80E+04	0.76	1.09	0.894	1.57E+03	0.35

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.12		0.9080	0.9079	-0.2	5.08E+05	0.79	1.06	12.3	1.57E+03	0.361
PCB-60 2344'-TeCB	26.30		0.9144	0.9142	-0.3	2.49E+05	0.79	1.09	5.87	1.57E+03	0.351
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	1.57E+03	0.312
PCB-79 33'45'-TeCB	27.95	J EMPC	0.9718	0.9713	-0.8	4.21E+04	0.63	1.21	0.897	1.57E+03	0.317
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.02	ND	1.57E+03	0.377
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	1.27E+03	0.439
PCB-96 22'366'-PeCB	22.32		1.0141	1.0139	-0.3	2.49E+04	0.58	0.89	0.994	1.27E+03	0.452
PCB-103 22'45'6'-PeCB	24.01		0.8883	0.8885	+0.3	3.67E+04	0.54	0.83	1.42	1.99E+03	0.748
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.72	ND	1.99E+03	0.858
PCB-95 22'35'6'-PeCB	24.54		0.9082	0.9082	0	2.64E+06	0.62	0.75	112	1.99E+03	0.822
PCB-100/93 22'44'6'/22'356'-PeCB	24.75	J C	0.9158	0.9160	+0.3	4.13E+04	0.59	0.77	1.71	1.99E+03	0.804
PCB-102 22'456'-PeCB	24.86		0.9198	0.9200	+0.3	1.09E+05	0.61	0.88	3.95	1.99E+03	0.702
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.68	ND	1.99E+03	0.911
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.68	ND	1.99E+03	0.914
PCB-91 22'34'6'-PeCB	25.28		0.9352	0.9353	+0.2	4.71E+05	0.60	0.85	17.8	1.99E+03	0.73
PCB-84 22'33'6'-PeCB	25.45		0.9416	0.9416	0	5.78E+05	0.60	0.66	28.1	1.99E+03	0.942
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.68	ND	1.99E+03	0.902
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.01	ND	1.99E+03	0.614
PCB-92 22'355'-PeCB	26.55		0.9825	0.9825	0	9.24E+05	0.60	0.71	41.5	1.99E+03	0.869
PCB-113/90/101 ...-PeCB	27.05	C	0.9999	1.0008	+1.5	3.95E+06	0.60	0.86	147	1.99E+03	0.719
PCB-83 22'33'5'-PeCB	27.43		1.0150	1.0150	0	2.13E+05	0.60	0.62	11	1.99E+03	0.998
PCB-99 22'44'5'-PeCB	27.54		1.0190	1.0190	0	2.11E+06	0.62	0.77	88	1.99E+03	0.807
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	1.99E+03	0.597
PCB-108/119/86/97/125...-PeCB	27.98	C	1.0347	1.0356	+1.5	2.17E+06	0.60	0.89	78.1	1.99E+03	0.696
PCB-117 234'56'-PeCB	28.48		1.0539	1.0539	0	8.96E+04	0.55	0.70	4.07	1.99E+03	0.88
PCB-116/85 23456/22'344'-PeCB	28.55	C	1.0566	1.0564	-0.3	6.69E+05	0.59	0.98	21.7	1.99E+03	0.628
PCB-110 233'4'6'-PeCB	28.69		1.0615	1.0616	+0.2	4.54E+06	0.61	0.97	150	1.99E+03	0.638
PCB-115 2344'6'-PeCB	28.77		1.0644	1.0648	+0.7	1.09E+05	0.56	1.00	3.46	1.99E+03	0.616
PCB-82 22'33'4'-PeCB	28.94		1.0711	1.0710	-0.2	2.89E+05	0.59	0.63	14.7	1.99E+03	0.983
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.01	ND	1.99E+03	0.614
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.02	ND	1.99E+03	0.606
PCB-107/124 ...-PeCB	30.65	C	0.9909	0.9910	+0.2	1.44E+05	0.60	0.95	4.84	1.99E+03	0.649
PCB-109 233'46'-PeCB	30.86		0.9976	0.9976	0	3.26E+05	0.57	1.05	9.92	1.99E+03	0.589
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.97	ND	1.99E+03	0.634
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.91	ND	1.99E+03	0.736
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.98	ND	1.99E+03	0.691
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	7.24E+02	0.195
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.98	ND	7.24E+02	0.21
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.00	ND	7.24E+02	0.206
PCB-136 22'33'66'-HxCB	27.43		1.0216	1.0217	+0.2	5.52E+05	1.27	0.92	19.3	7.24E+02	0.224
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.93	ND	7.24E+02	0.221
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.72	ND	7.24E+02	0.286
PCB-151/135 ...-HxCB	29.49	C	1.0986	1.0985	-0.2	1.66E+06	1.18	0.71	74.7	7.24E+02	0.289
PCB-154 22'44'56'-HxCB	29.71		1.1067	1.1068	+0.2	1.09E+05	1.25	0.79	4.41	7.24E+02	0.26
PCB-144 22'345'6'-HxCB	29.96		1.1158	1.1161	+0.5	1.77E+05	1.29	0.72	7.93	7.24E+02	0.287

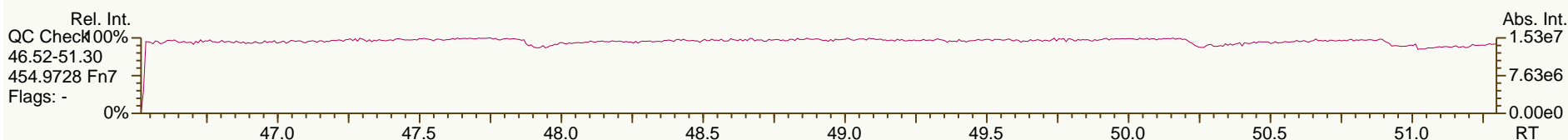
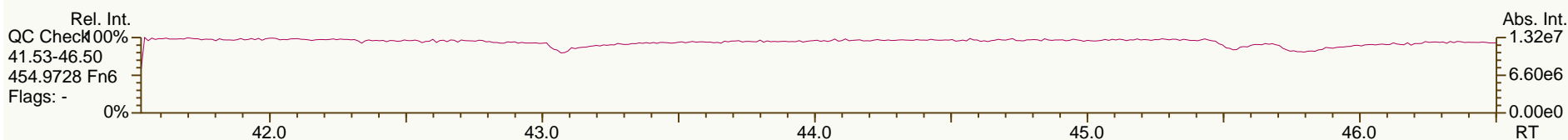
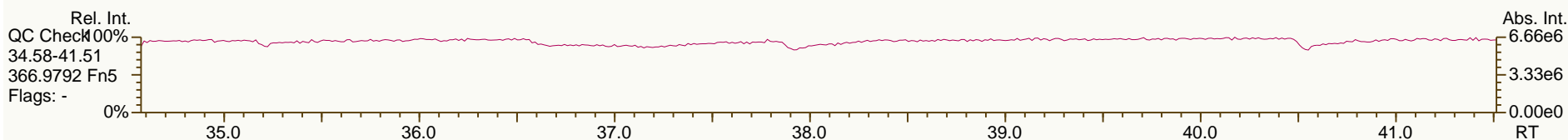
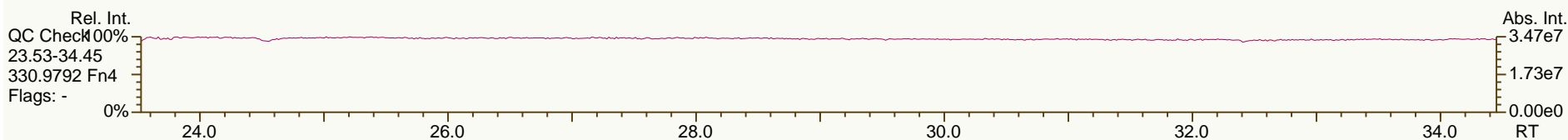
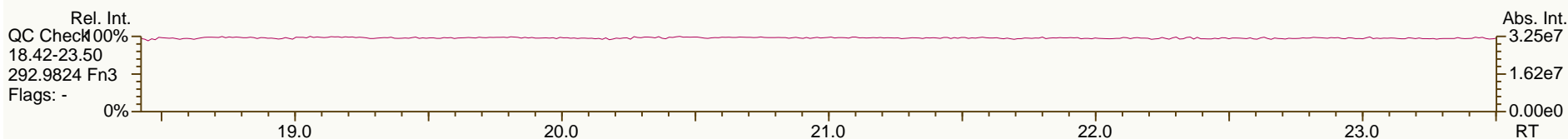
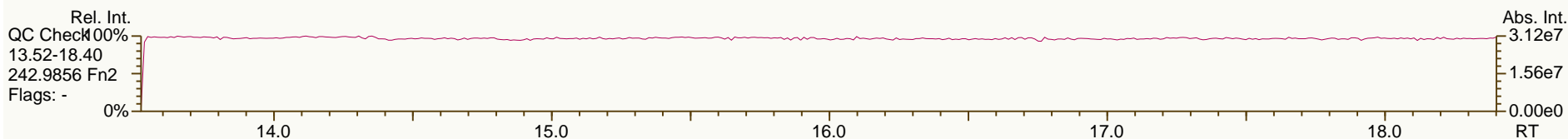
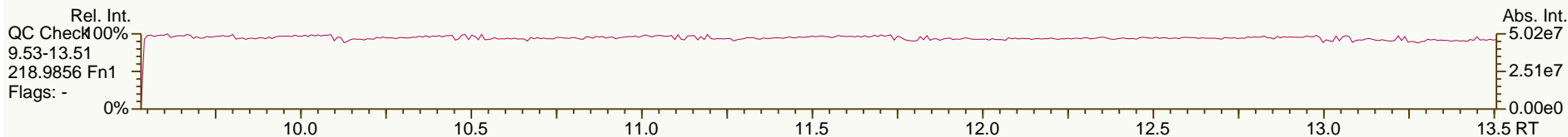
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.25	C	1.1269	1.1270	+0.2	3.38E+06	1.22	0.73	148	7.24E+02	0.28
PCB-134 22'33'56"-HxCB	30.41		1.1326	1.1329	+0.5	2.31E+05	1.28	0.60	12.3	7.24E+02	0.342
PCB-143 22'3456"-HxCB	NotFnd		1.1356	-		0.00E+00		0.70	ND	7.24E+02	0.295
PCB-139/140 ...-HxCB	30.76	EMPC C	1.1458	1.1458	0	9.17E+04	1.45	0.75	3.93	7.24E+02	0.275
PCB-131 22'33'46"-HxCB	30.92	EMPC	1.1516	1.1519	+0.6	4.00E+04	1.46	0.62	2.06	7.24E+02	0.331
PCB-142 22'3456"-HxCB	NotFnd		1.1564	-		0.00E+00		0.67	ND	7.24E+02	0.305
PCB-132 22'33'46"-HxCB	31.29		1.1655	1.1658	+0.6	1.04E+06	1.27	0.67	50	7.24E+02	0.307
PCB-133 22'33'55"-HxCB	31.75		1.1826	1.1829	+0.6	1.68E+05	1.21	0.66	8.11	7.24E+02	0.31
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.83	ND	7.24E+02	0.249
PCB-146 22'34'55"-HxCB	32.30		0.9550	0.9549	-0.2	1.14E+06	1.25	0.72	50.5	7.24E+02	0.284
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.95	ND	7.24E+02	0.218
PCB-153/168 ...-HxCB	32.81	C	0.9709	0.9702	-1.4	5.12E+06	1.29	0.89	185	7.24E+02	0.231
PCB-141 22'3455"-HxCB	32.97		0.9746	0.9747	+0.2	3.82E+05	1.36	0.67	18.3	7.24E+02	0.308
PCB-130 22'33'45"-HxCB	33.30		0.9847	0.9847	0	3.82E+05	1.38	0.61	19.9	7.24E+02	0.335
PCB-137 22'344'5"-HxCB	33.49		0.9904	0.9902	-0.4	2.27E+05	1.43	0.72	10.1	7.24E+02	0.285
PCB-164 233'4'5'6"-HxCB	33.58		0.9930	0.9929	-0.2	4.26E+05	1.33	0.93	14.7	7.24E+02	0.221
PCB-163/138/129 ...-HxCB	33.85	C	1.0012	1.0008	-0.8	4.78E+06	1.27	0.76	202	7.24E+02	0.271
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.91	ND	7.24E+02	0.225
PCB-158 233'44'6"-HxCB	34.18		1.0106	1.0106	0	5.83E+05	1.28	0.96	19.5	7.24E+02	0.214
PCB-128/166 ...-HxCB	34.89	C	0.9593	0.9594	+0.2	7.75E+05	1.33	0.90	27.8	1.26E+03	0.43
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.06	ND	1.26E+03	0.366
PCB-162 233'4'55"-HxCB	35.99	J	0.9896	0.9895	-0.2	2.25E+04	1.37	1.09	0.662	1.26E+03	0.354
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	1.06E+03	0.396
PCB-179 22'33'566"-HpCB	31.94		1.0089	1.0089	0	5.47E+05	1.09	1.09	19.3	1.06E+03	0.386
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.05	ND	1.06E+03	0.401
PCB-176 22'33'466"-HpCB	32.68		1.0324	1.0323	-0.2	1.36E+05	1.01	1.17	4.47	1.06E+03	0.36
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.13	ND	1.06E+03	0.374
PCB-178 22'33'55'6"-HpCB	34.24	EMPC	1.0816	1.0817	+0.2	3.59E+05	1.23	0.82	16.8	1.06E+03	0.515
PCB-175 22'33'45'6"-HpCB	34.78		1.0985	1.0986	+0.2	4.82E+04	1.02	0.86	2.15	1.47E+03	0.677
PCB-187 22'34'55'6"-HpCB	35.01		1.1057	1.1058	+0.2	1.82E+06	1.07	0.91	77	1.47E+03	0.642
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.93	ND	1.47E+03	0.628
PCB-183 22'344'5'6"-HpCB	35.52		1.1219	1.1220	+0.2	6.04E+05	1.01	1.00	23.3	1.47E+03	0.584
PCB-185 22'3455'6"-HpCB	35.60		1.1241	1.1246	+1.1	3.29E+04	0.94	0.84	1.51	1.47E+03	0.696
PCB-174 22'33'456"-HpCB	35.70		1.1276	1.1277	+0.2	4.23E+05	1.00	0.77	21.2	1.47E+03	0.76
PCB-177 22'33'45'6"-HpCB	36.07		1.1393	1.1393	0	6.34E+05	0.99	0.77	31.8	1.47E+03	0.76
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.90	ND	1.47E+03	0.651
PCB-171/173 ...-HpCB	36.60	C	1.1556	1.1562	+1.3	2.29E+05	1.00	0.80	11	1.47E+03	0.728
PCB-172 22'33'455"-HpCB	37.98		0.9003	0.9003	0	6.25E+04	0.90	0.72	2.39	1.47E+03	0.569
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.91	ND	1.47E+03	0.448
PCB-180/193 ...-HpCB	38.52	C	0.9127	0.9132	+1.2	1.61E+06	1.04	0.84	52.6	1.47E+03	0.484
PCB-191 233'44'5'6"-HpCB	38.82		0.9203	0.9203	0	4.51E+04	0.94	0.94	1.32	1.47E+03	0.434
PCB-170 22'33'44'5"-HpCB	39.57		0.9380	0.9380	0	3.28E+05	1.06	0.70	12.9	1.47E+03	0.584
PCB-190 233'44'56"-HpCB	40.02		0.9486	0.9487	+0.2	1.24E+05	1.00	0.91	3.73	1.47E+03	0.447
PCB-202 22'33'55'66"-OoCB	36.19		1.0006	1.0005	-0.2	3.79E+05	0.86	0.83	15.8	6.92E+02	0.341
PCB-201 22'33'45'66"-OoCB	36.97		1.0221	1.0221	0	1.24E+05	0.81	0.95	4.5	6.92E+02	0.298

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	6.92E+02	0.312
PCB-197 22'33'44'66'-OcCB	37.75		1.0431	1.0437	+1.4	4.58E+04	0.80	0.88	1.78	6.92E+02	0.319
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.84	ND	6.92E+02	0.337
PCB-198/199 ...-OcCB	40.18	C	1.1102	1.1109	+1.7	4.69E+05	0.86	0.67	23.9	6.92E+02	0.419
PCB-196 22'33'44'56'-OcCB	40.73		1.1260	1.1260	0	1.83E+05	0.95	0.68	9.23	6.92E+02	0.413
PCB-203 22'344'55'6-OcCB	40.90		1.1306	1.1307	+0.2	1.66E+05	0.92	0.72	7.92	6.92E+02	0.392
PCB-195 22'33'44'56-OcCB	42.00		0.9469	0.9469	0	4.05E+04	0.84	0.66	2.51	7.67E+02	0.519
PCB-194 22'33'44'55'-OcCB	43.98		0.9915	0.9915	0	1.03E+05	0.84	0.72	5.81	7.67E+02	0.471
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	7.67E+02	0.313
PCB-208 22'33'455'66'-NoCB	41.81	J	1.0005	1.0004	-0.3	1.64E+04	0.79	0.98	0.641	9.88E+02	0.519
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		0.99	ND	9.88E+02	0.511
PCB-206 22'33'44'55'6-NoCB	45.84	EMPC	1.0004	1.0004	0	3.77E+04	0.66	0.93	2.05	9.88E+02	0.698

AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

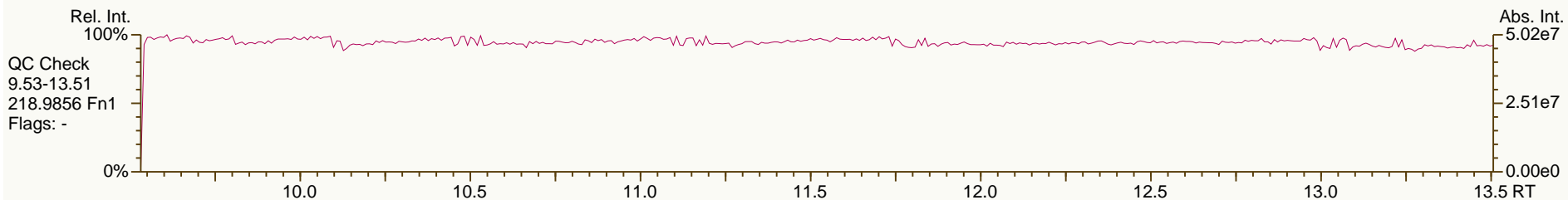
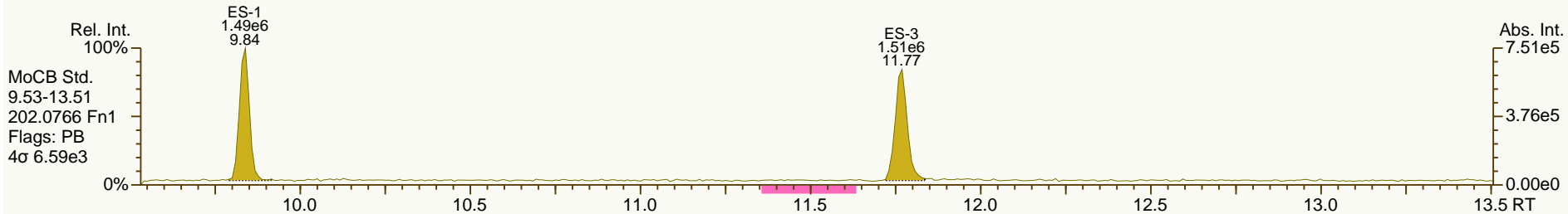
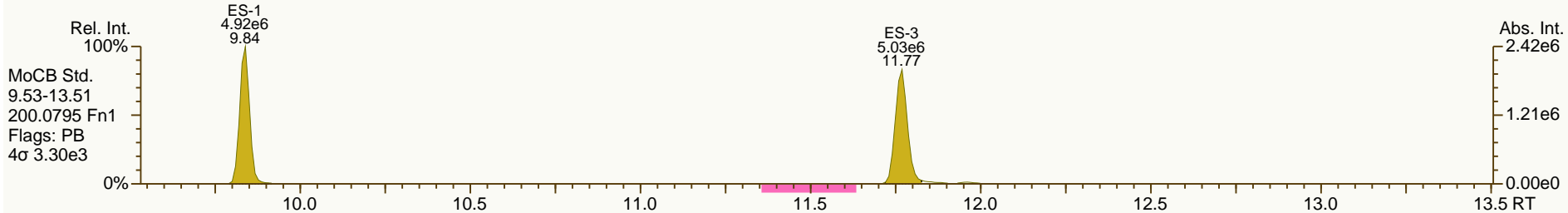
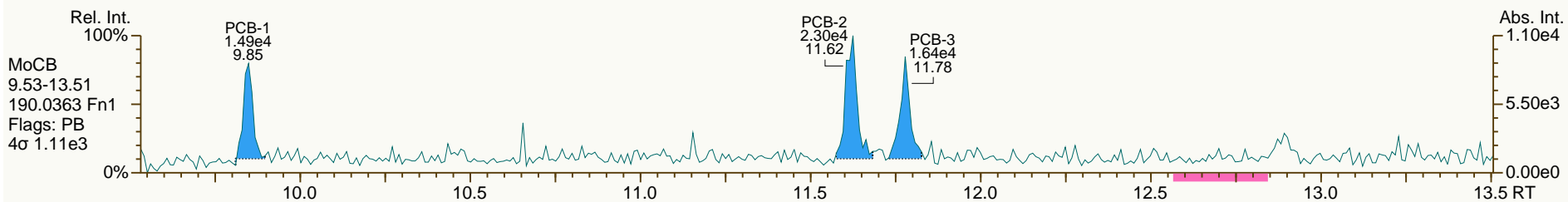
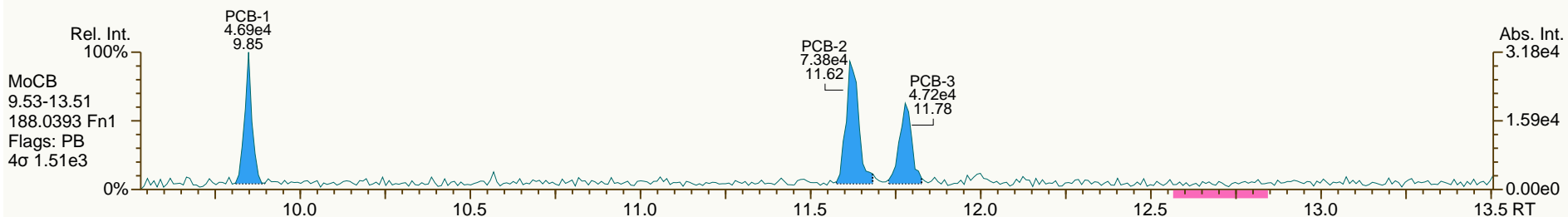
Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

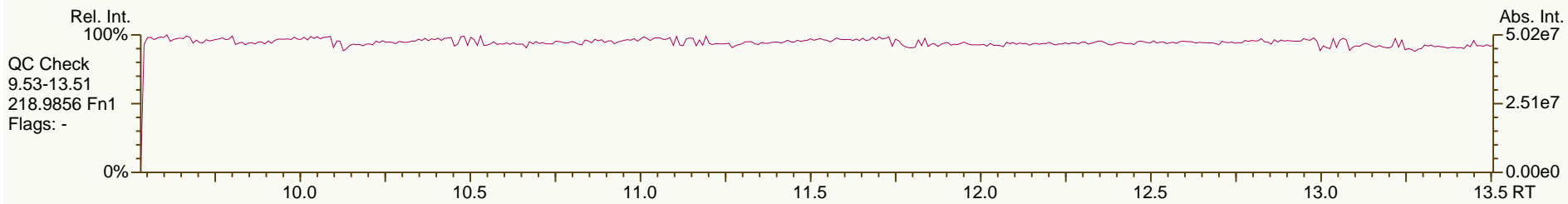
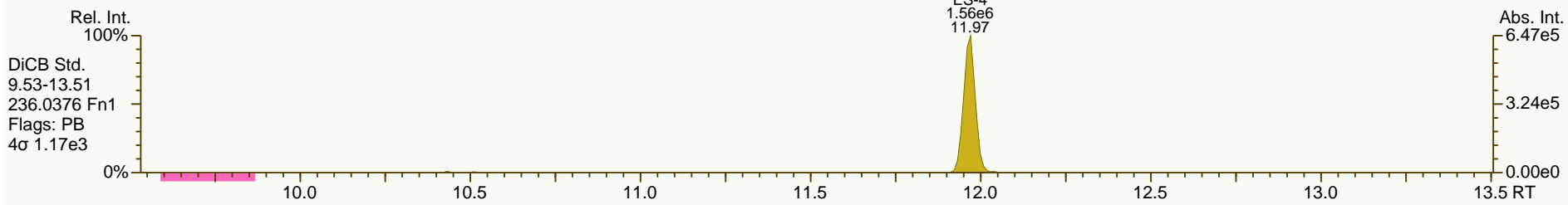
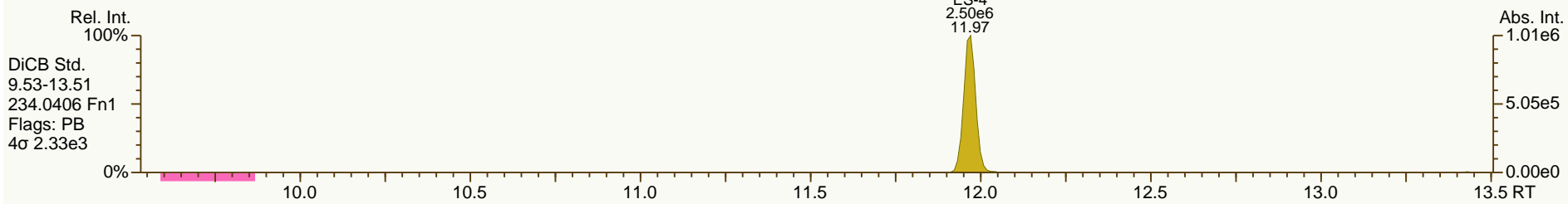
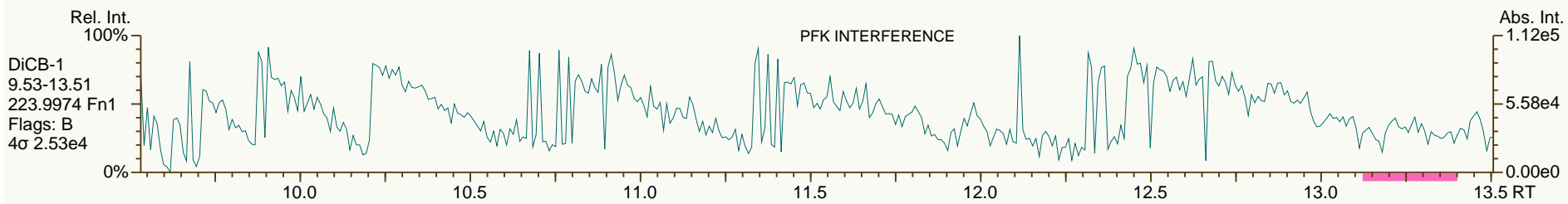
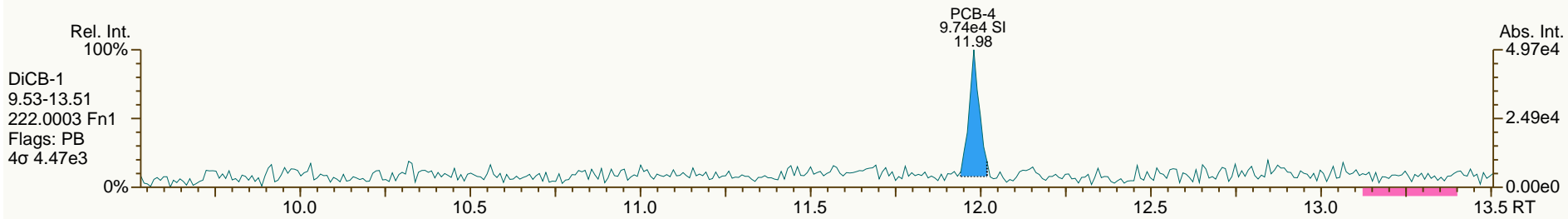
Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

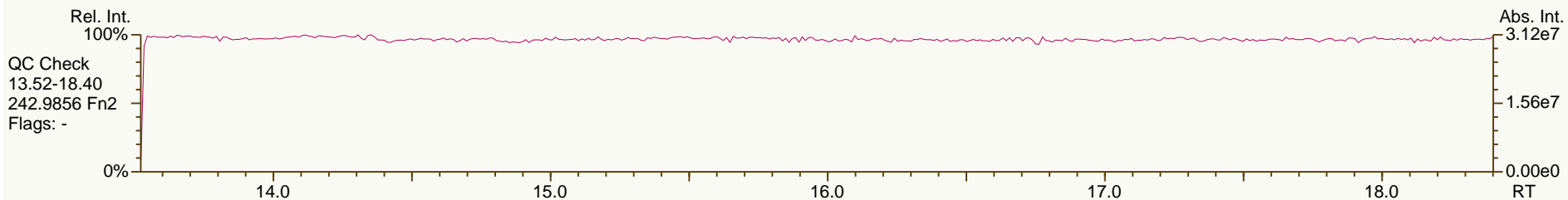
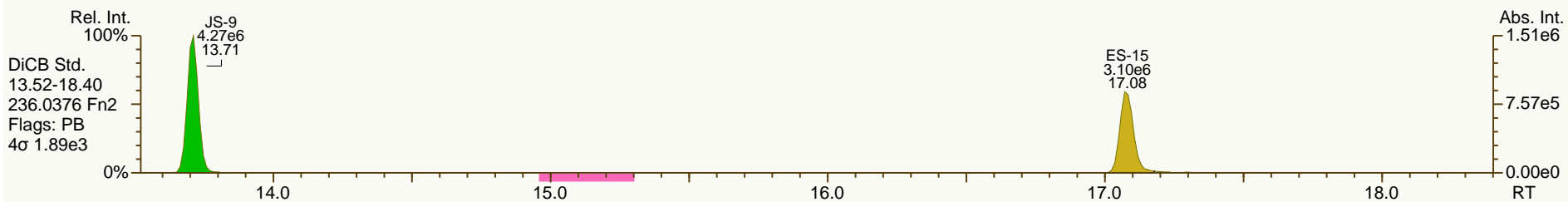
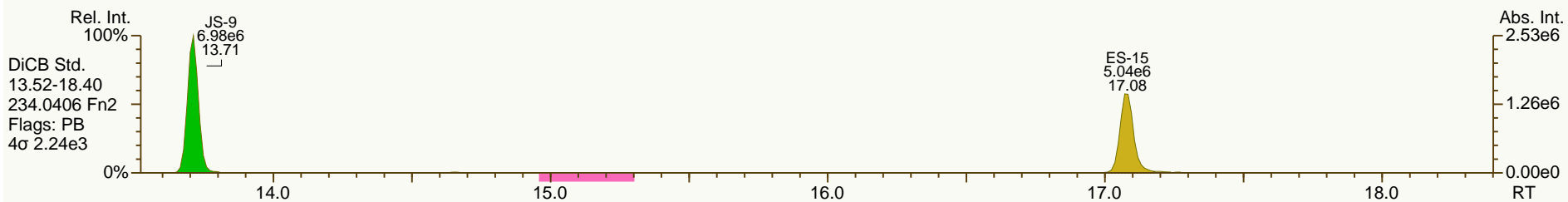
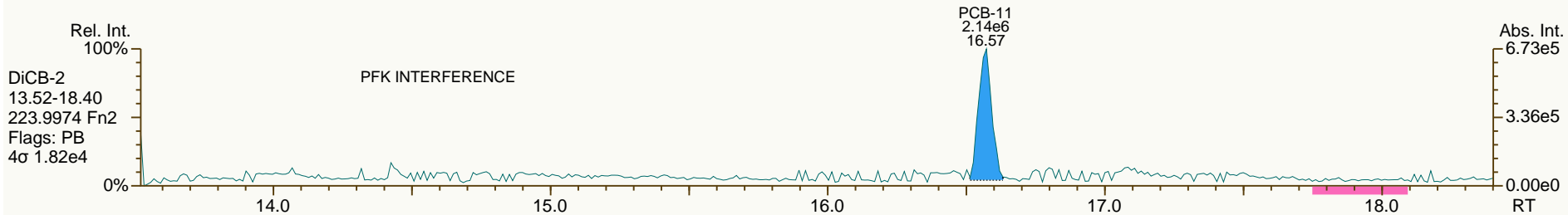
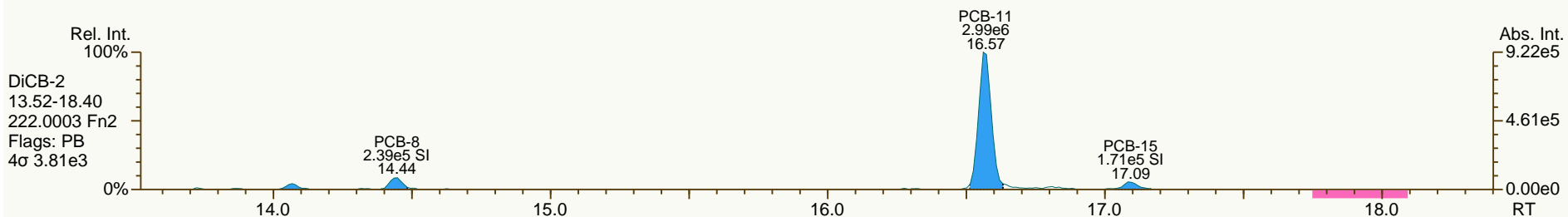
Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

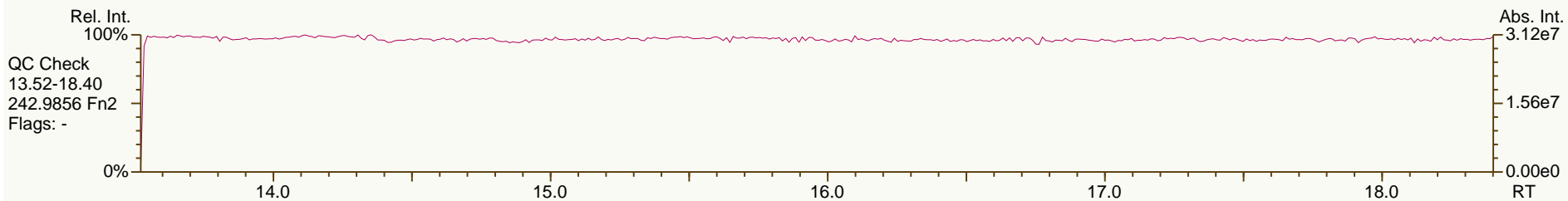
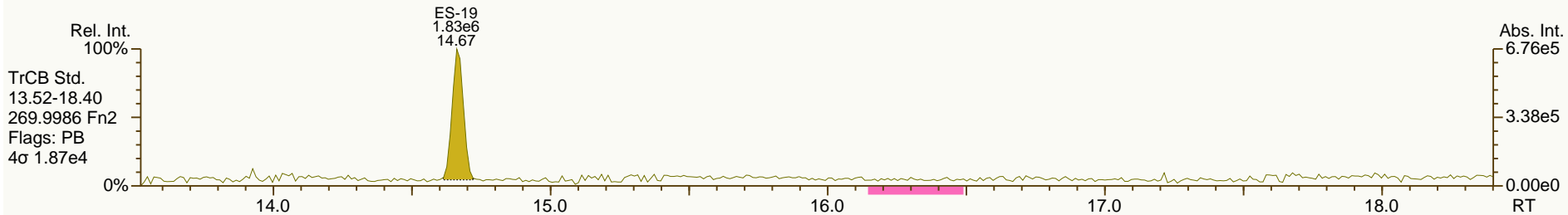
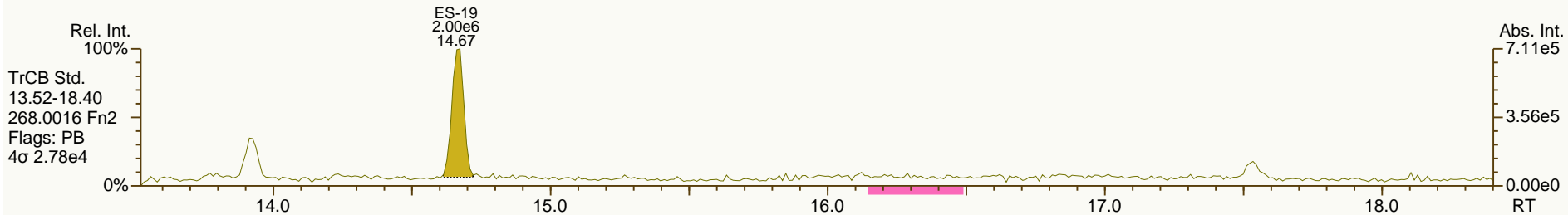
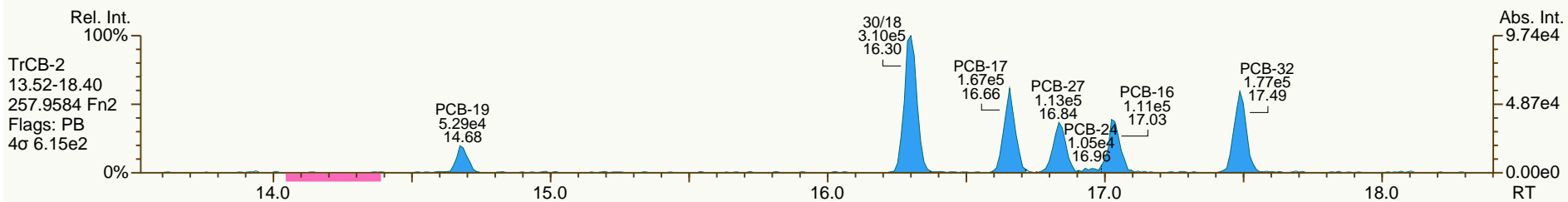
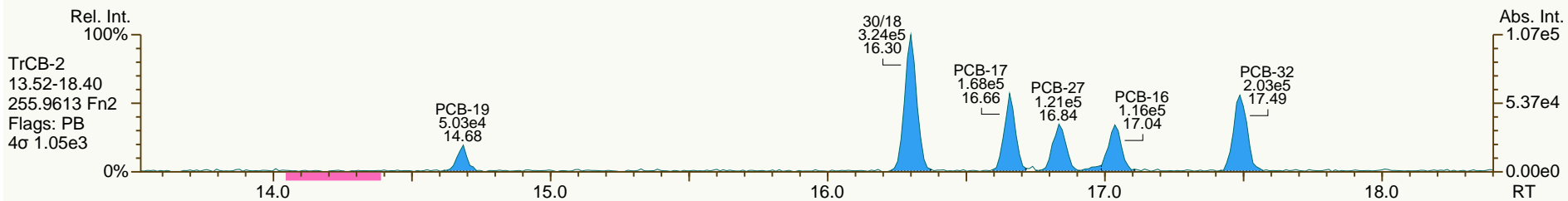
Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

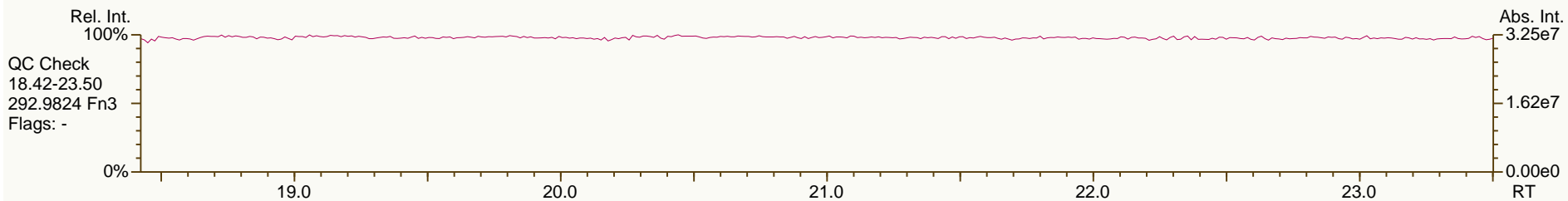
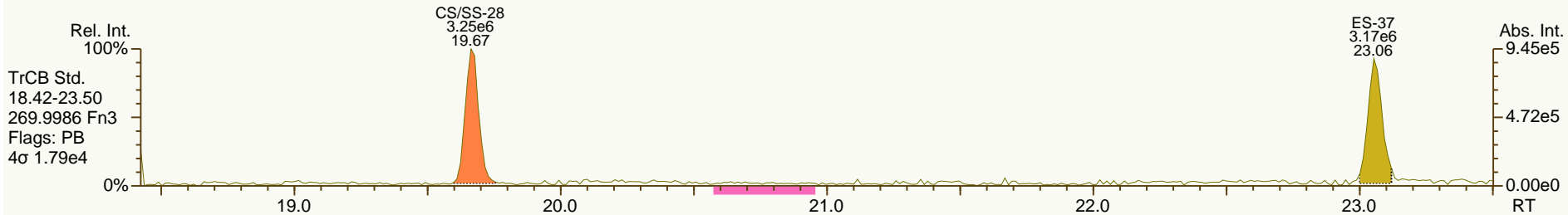
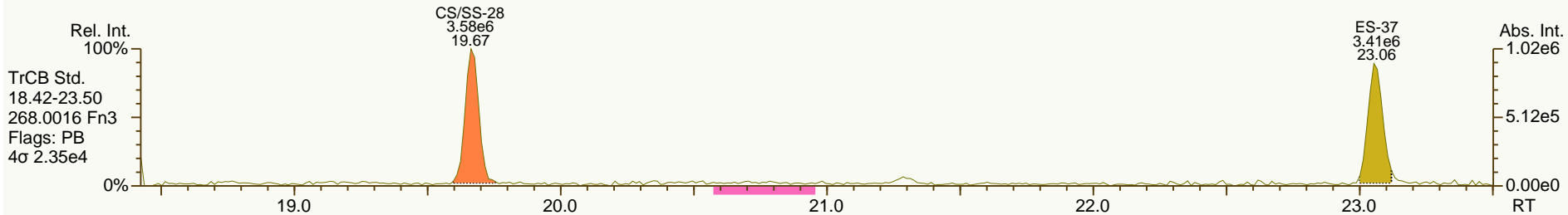
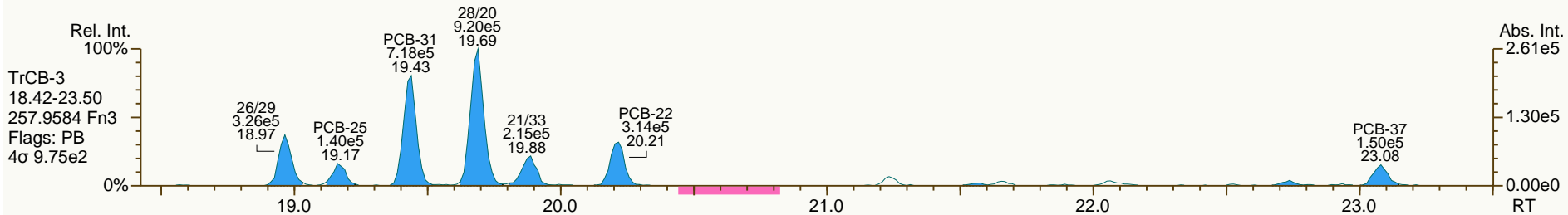
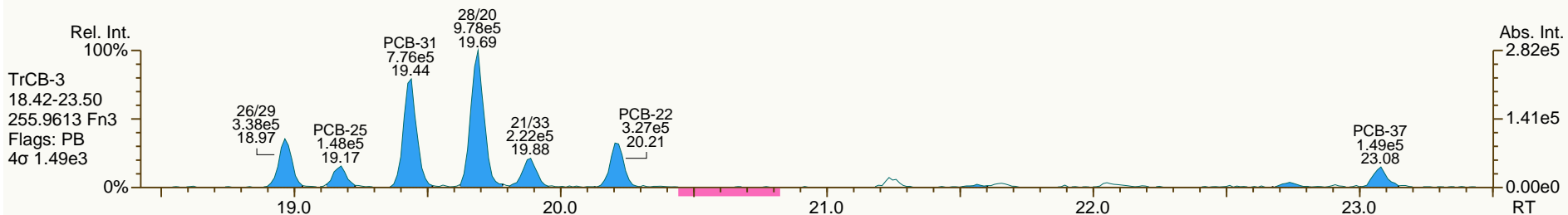
Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

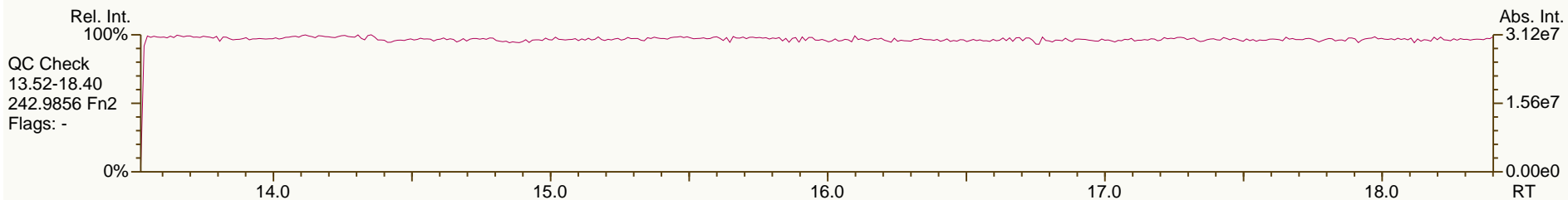
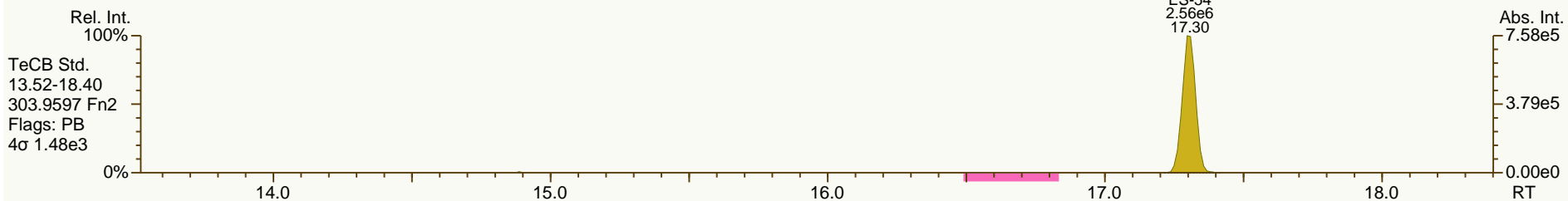
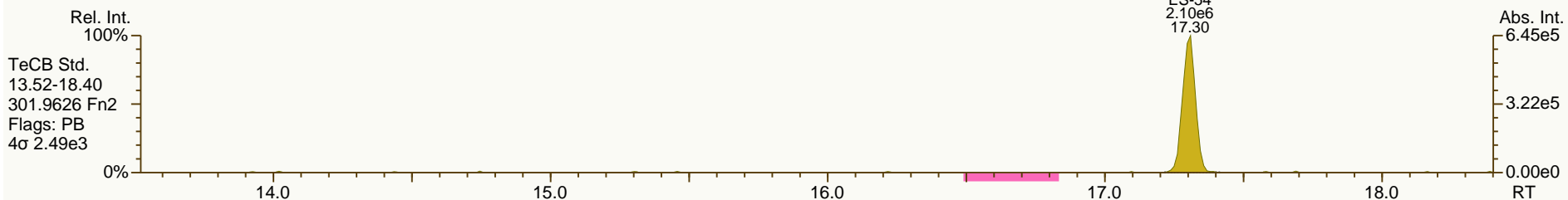
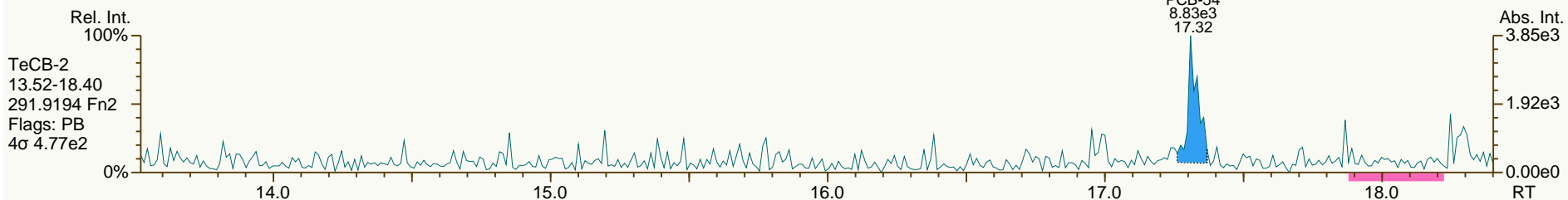
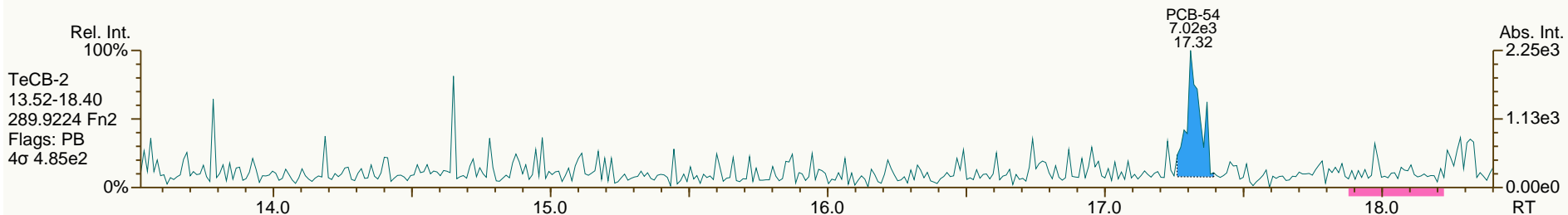
Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

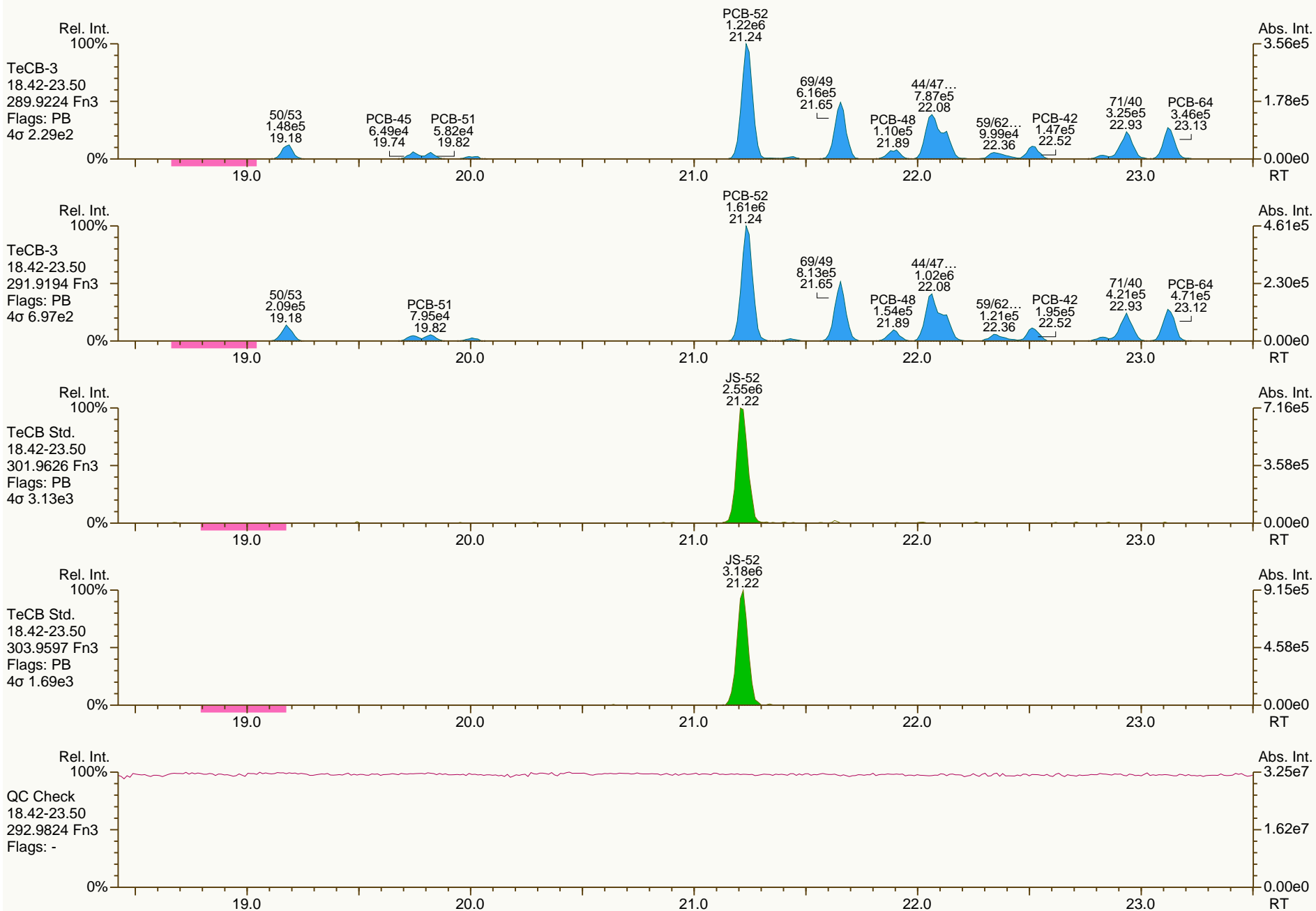
Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

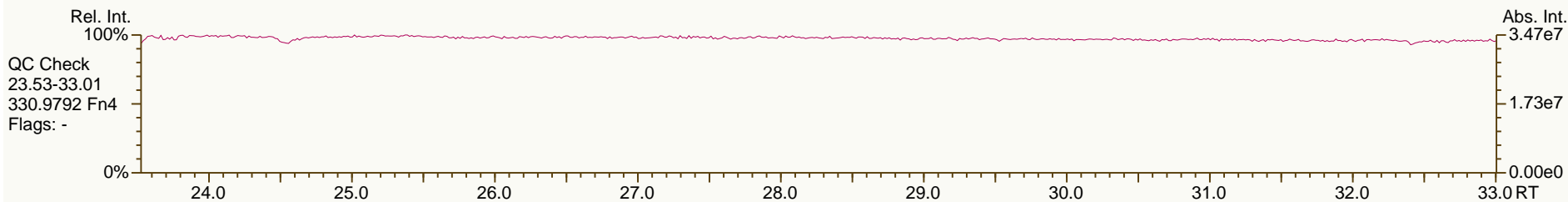
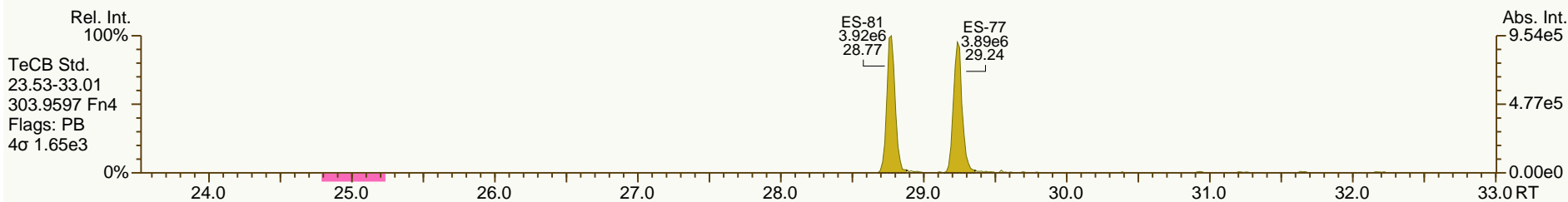
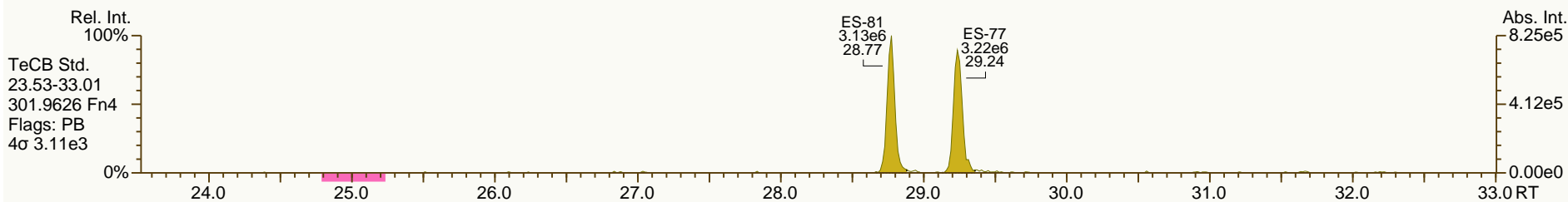
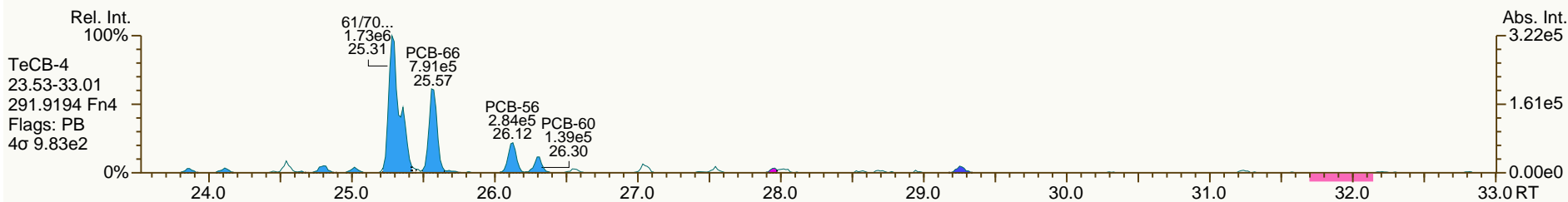
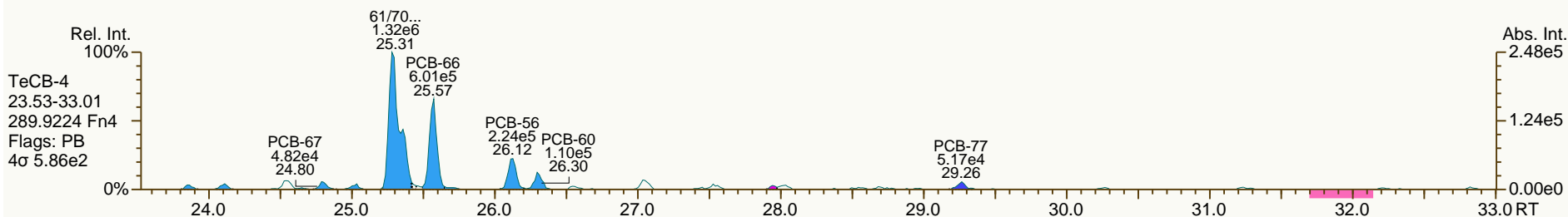
Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

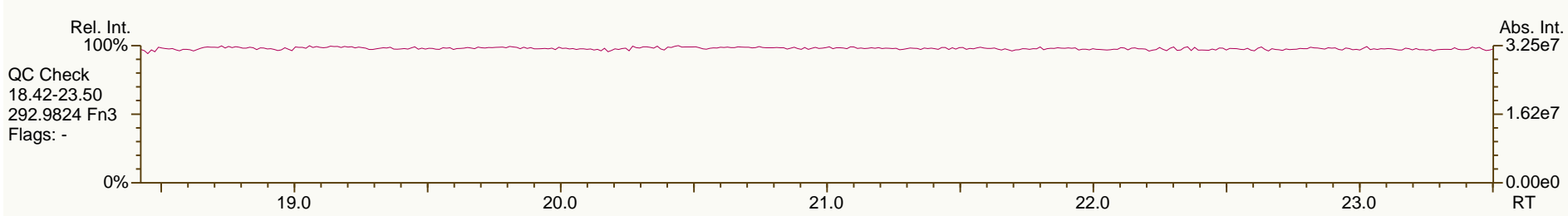
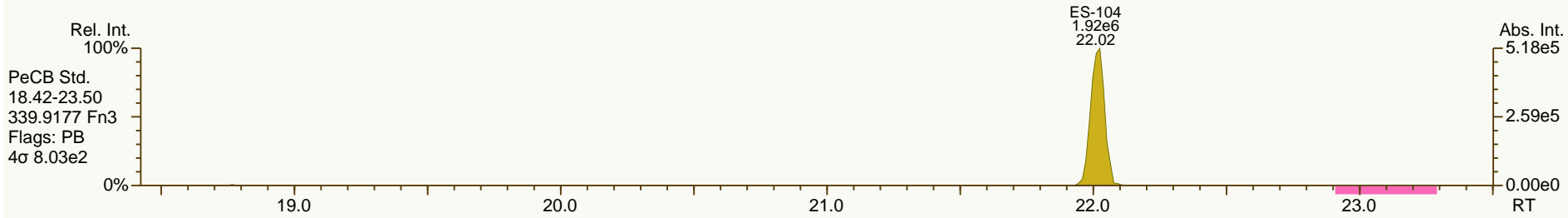
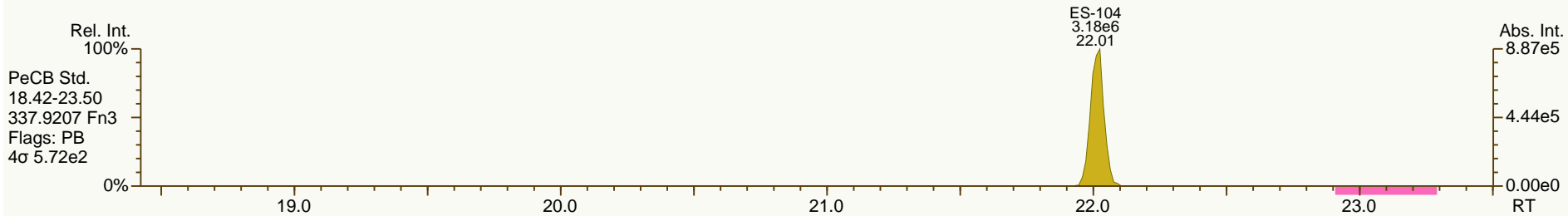
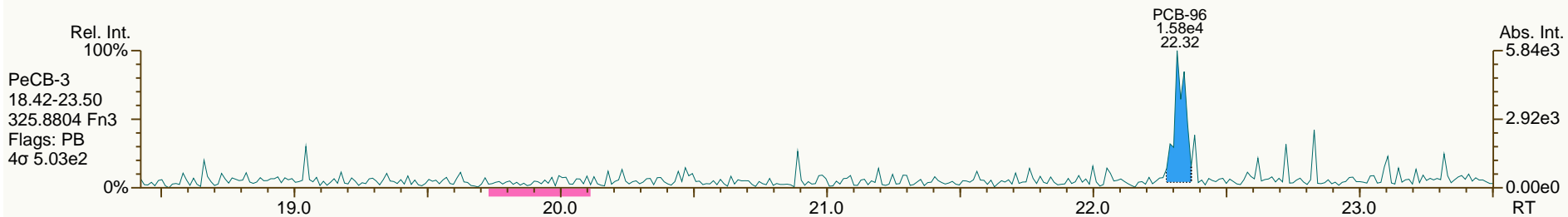
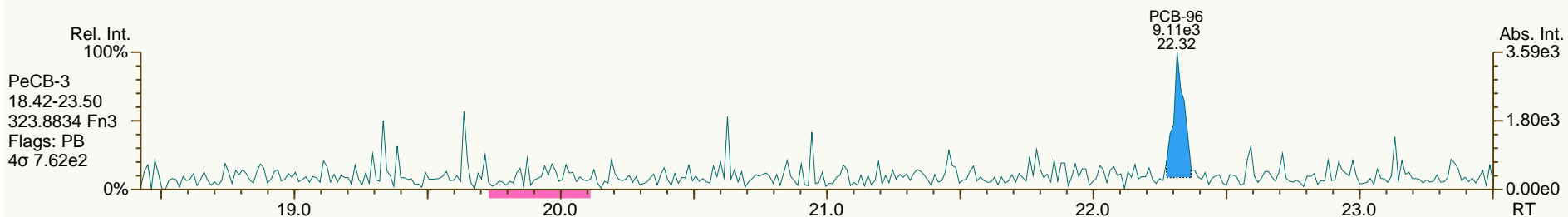
Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

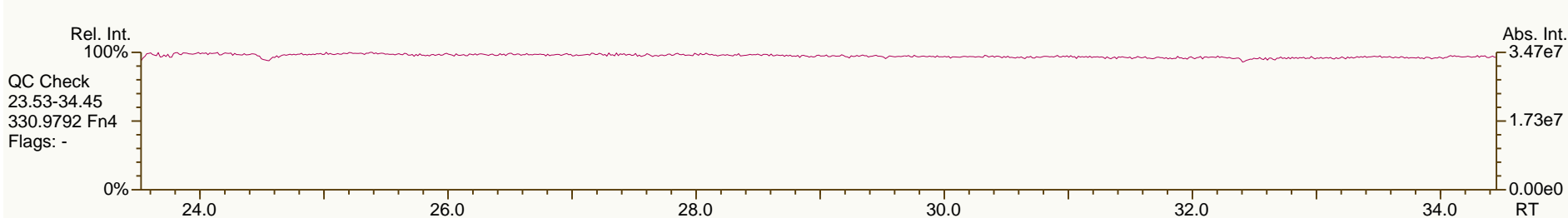
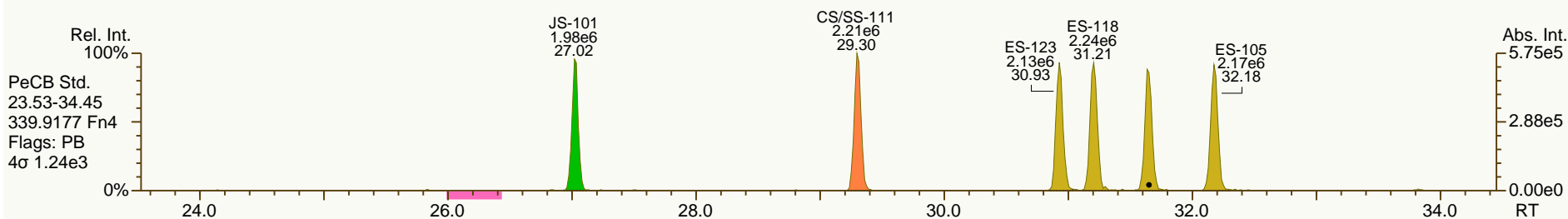
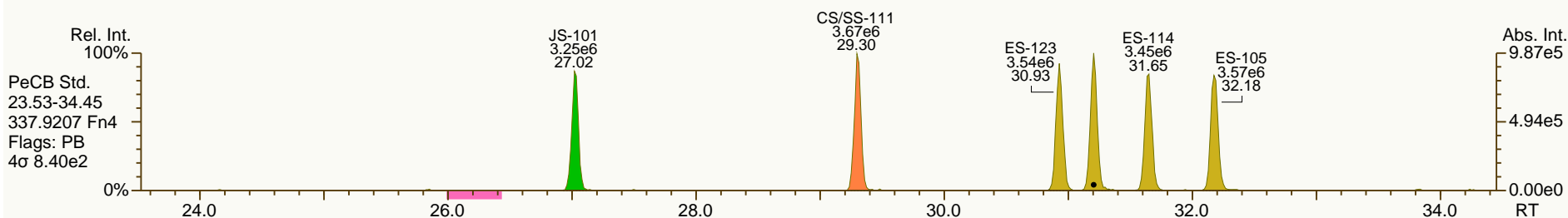
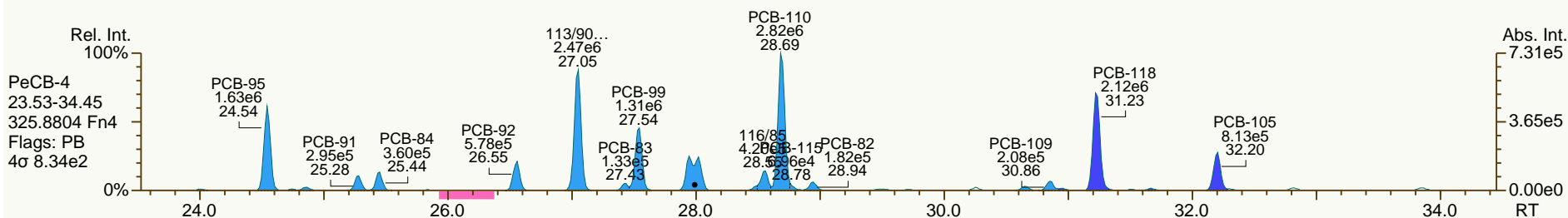
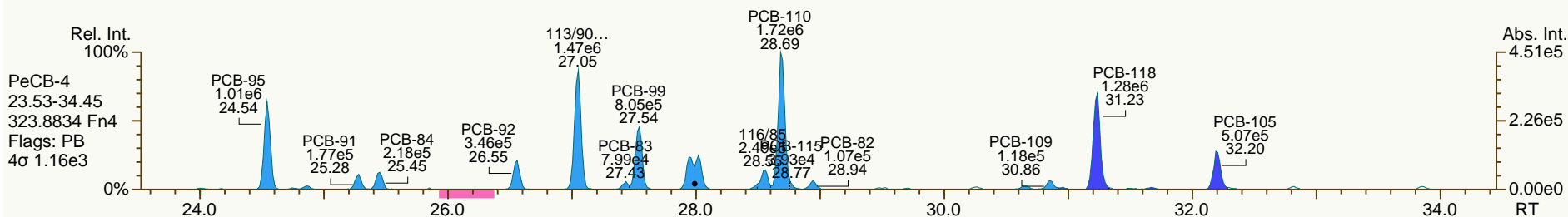
Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

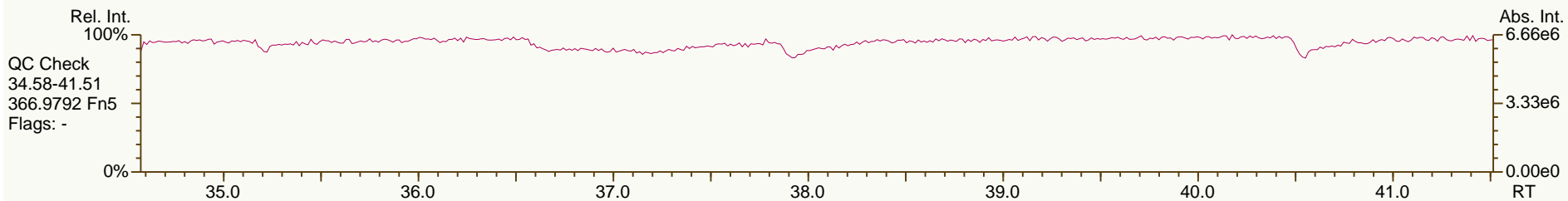
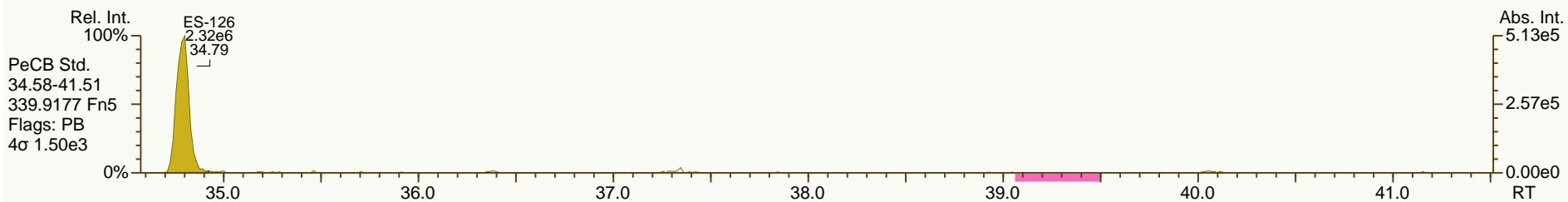
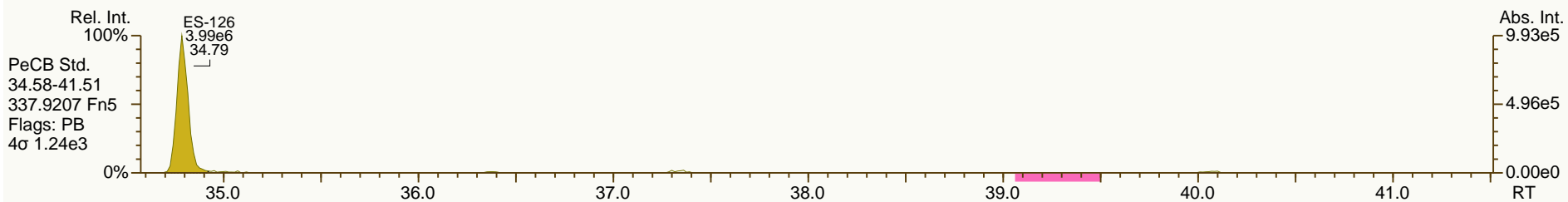
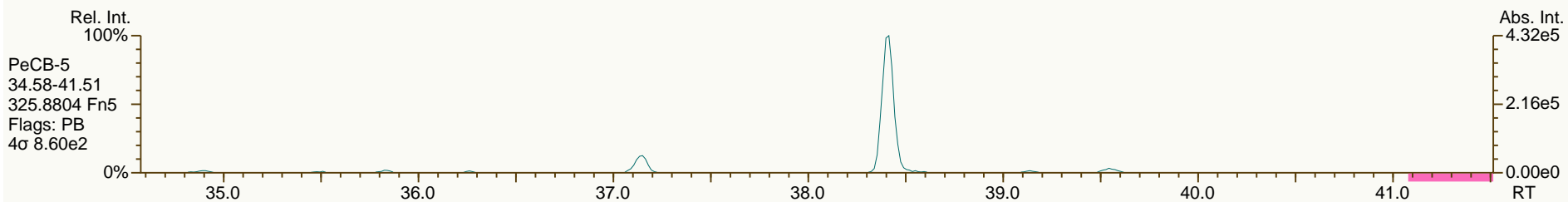
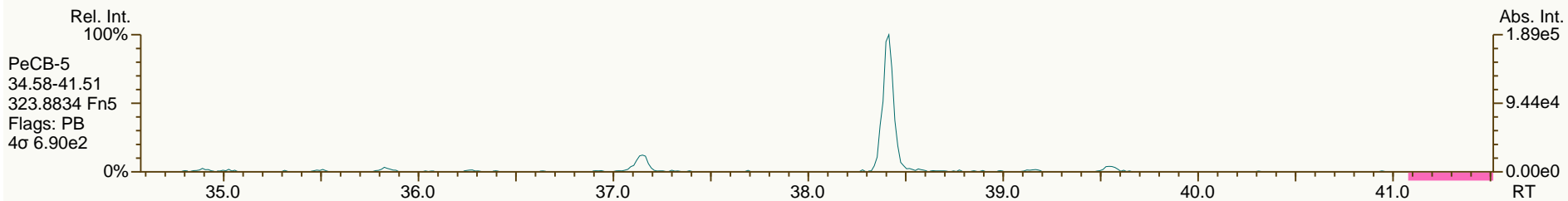
Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

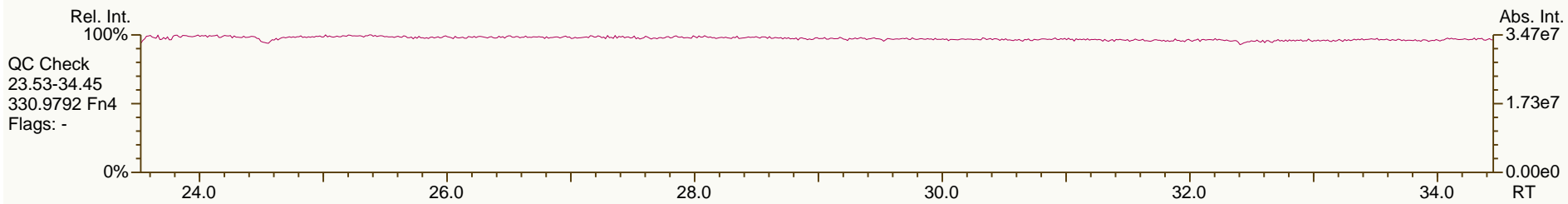
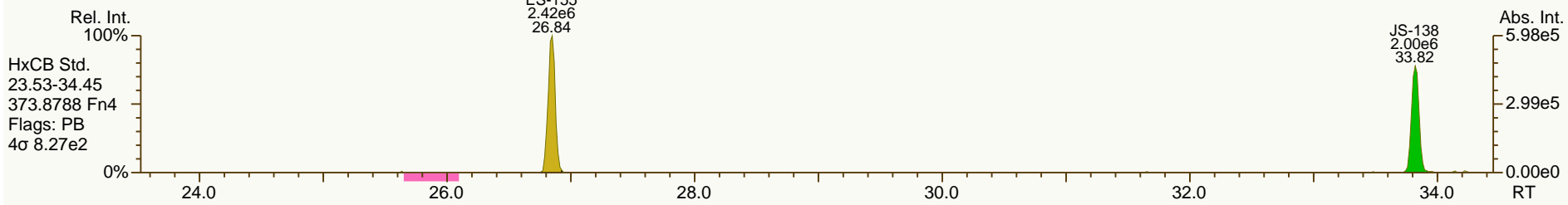
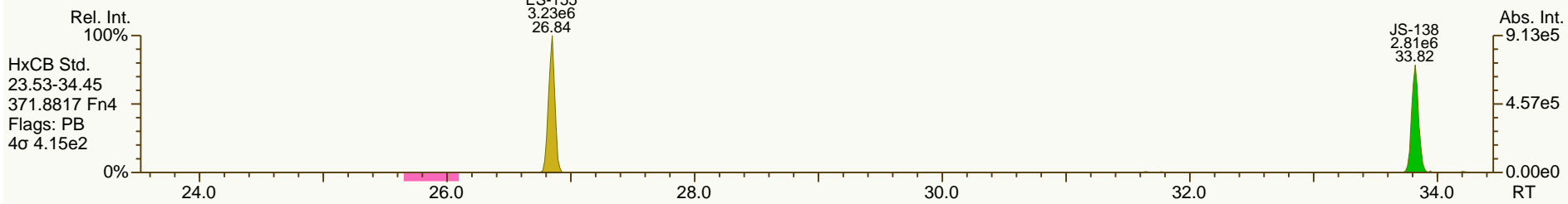
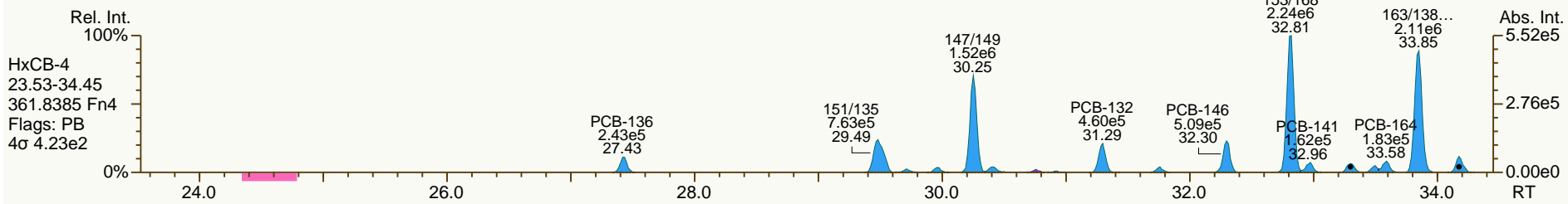
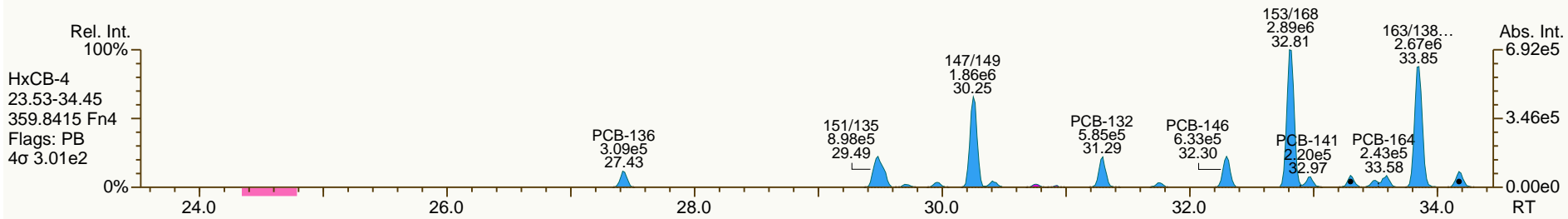
Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

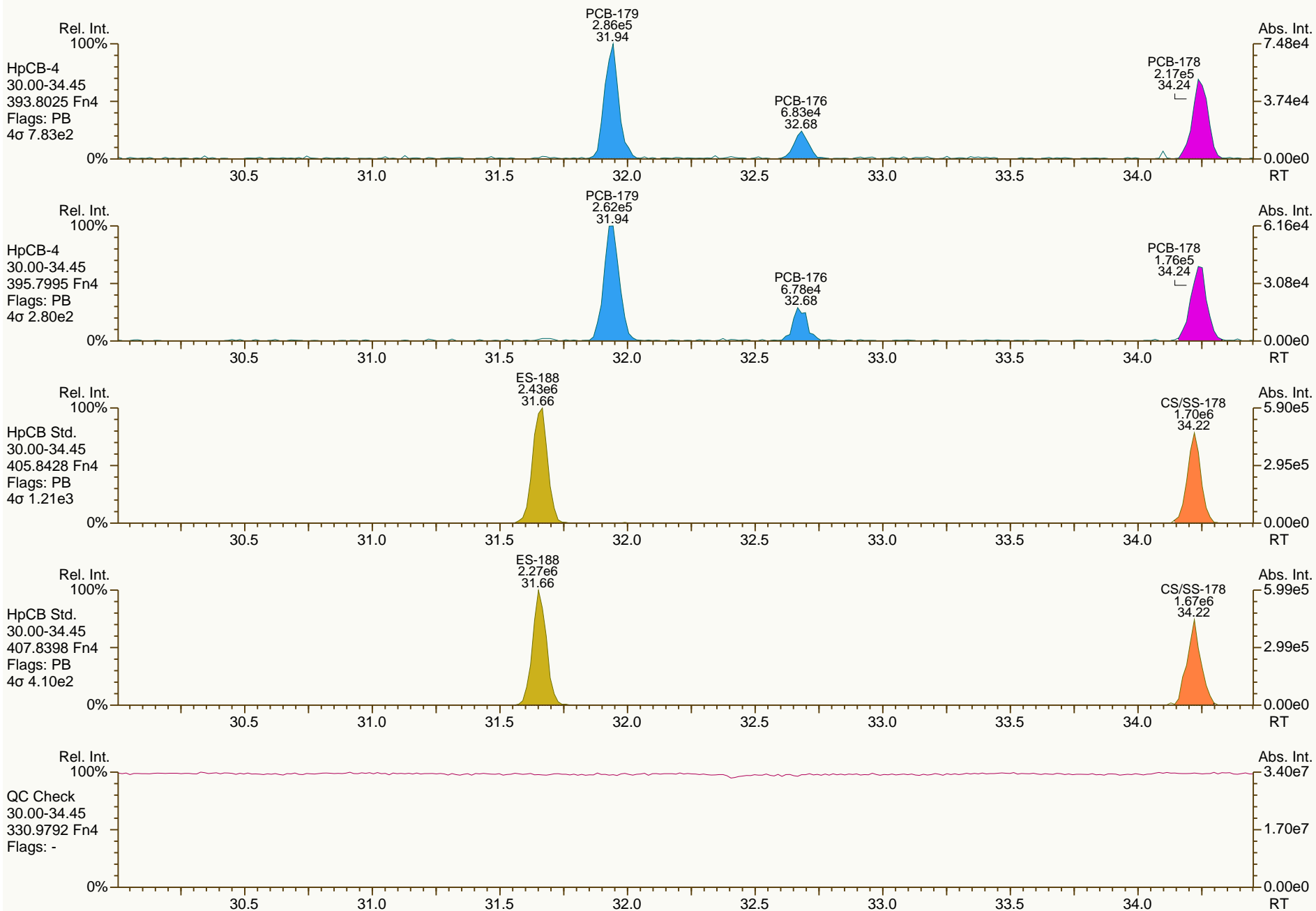
Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

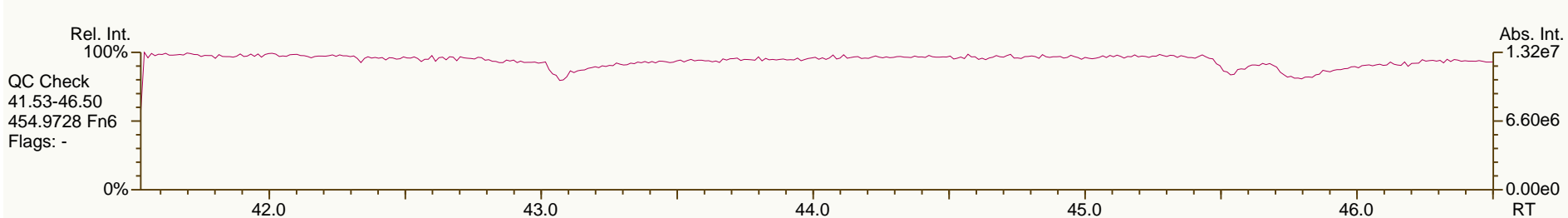
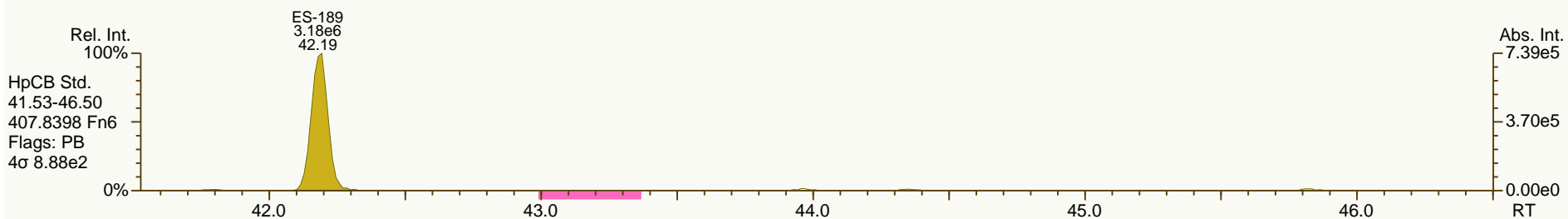
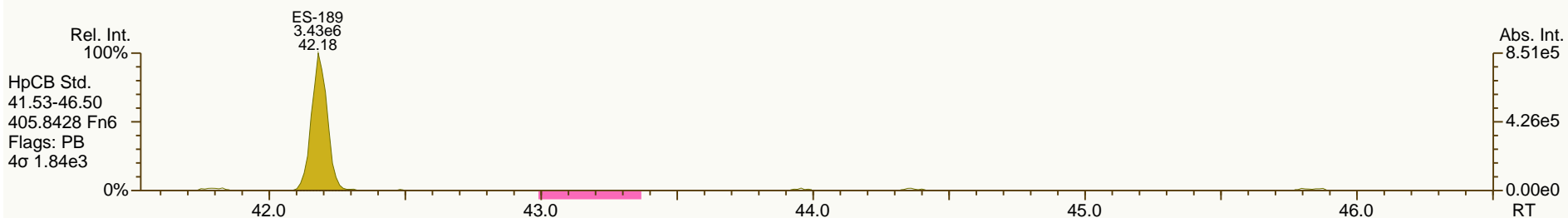
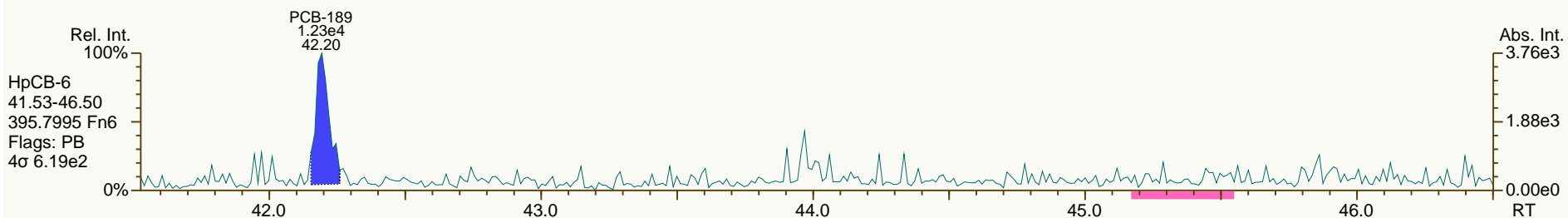
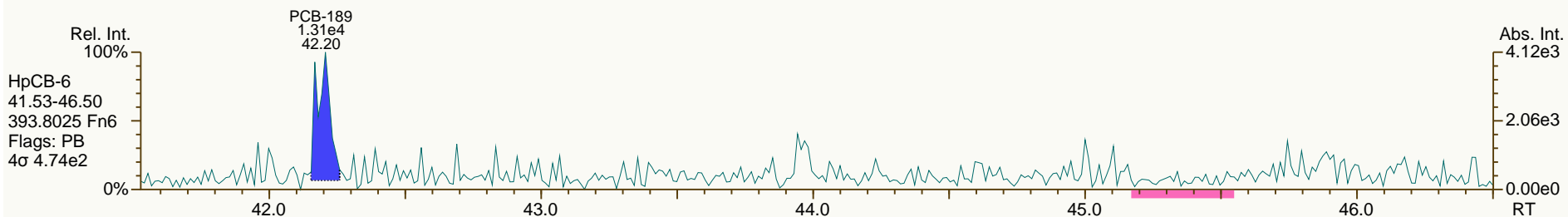
Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

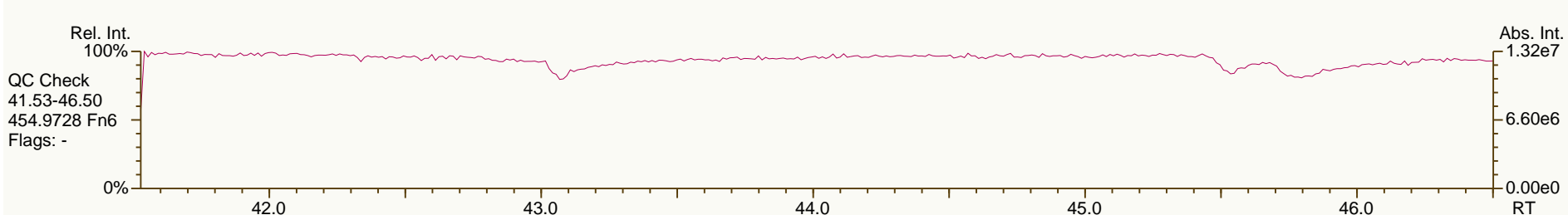
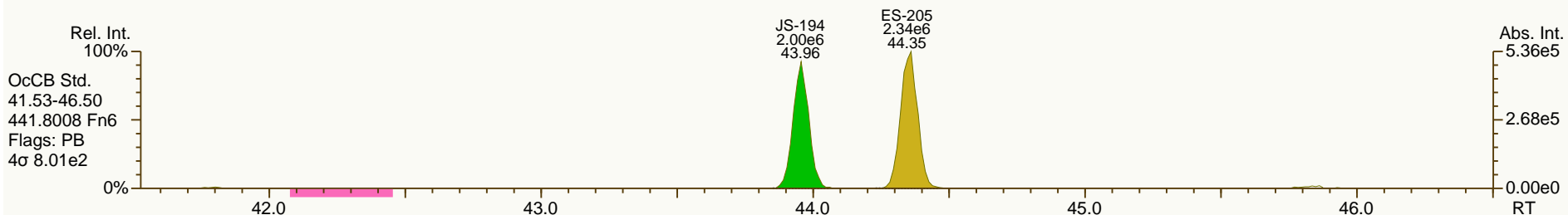
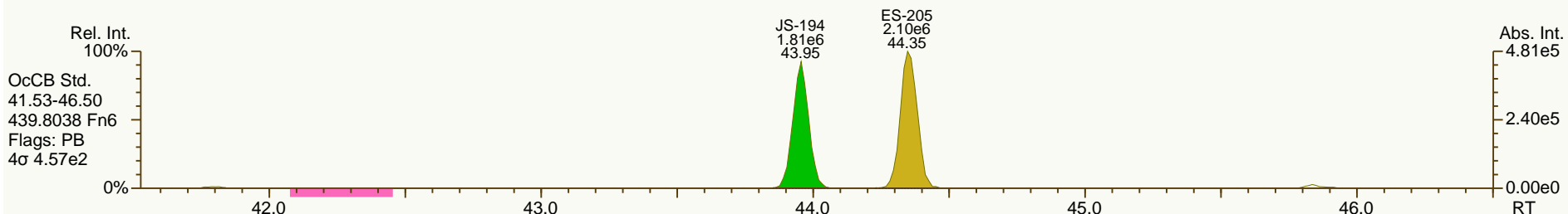
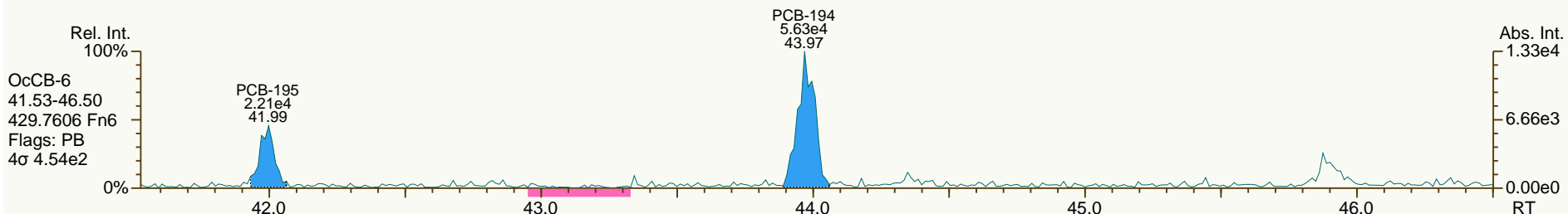
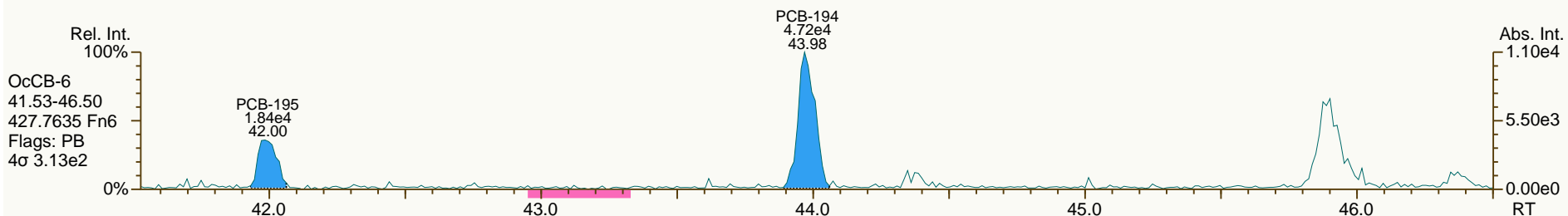
Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

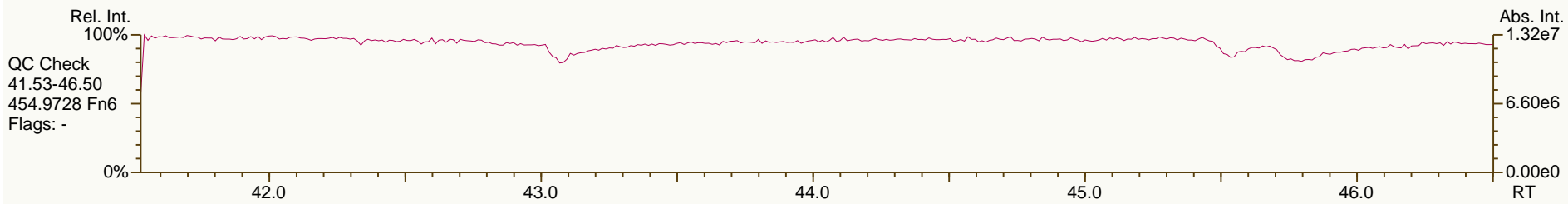
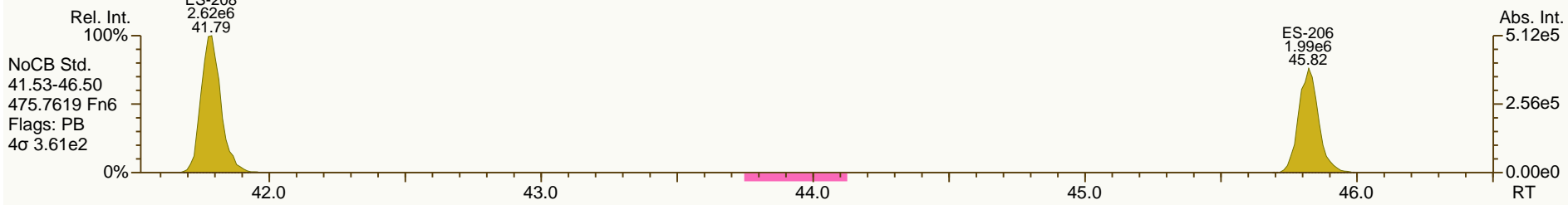
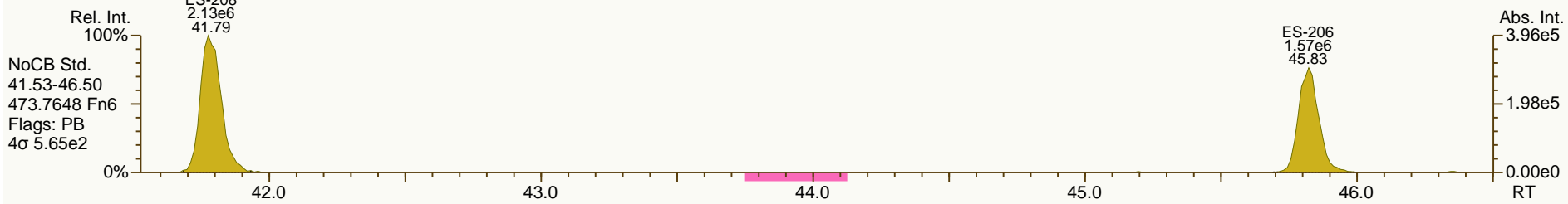
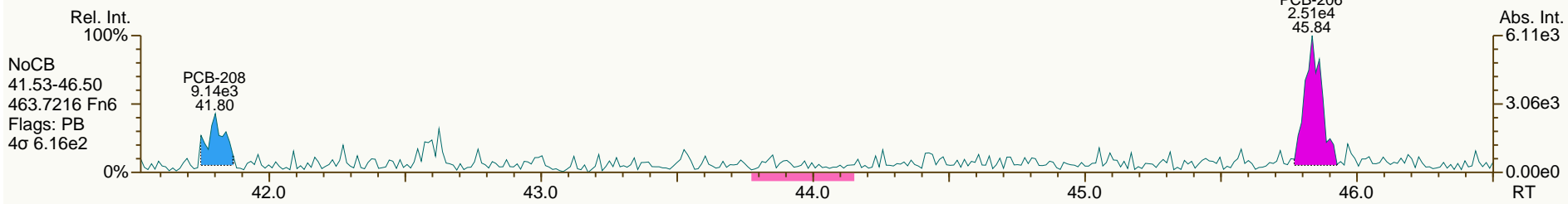
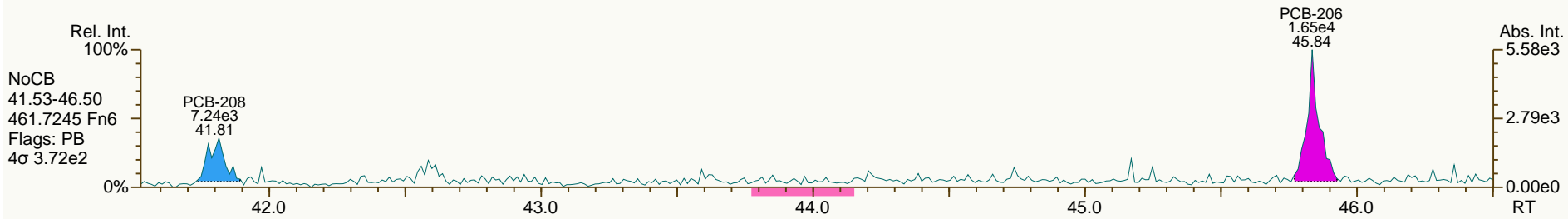
Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

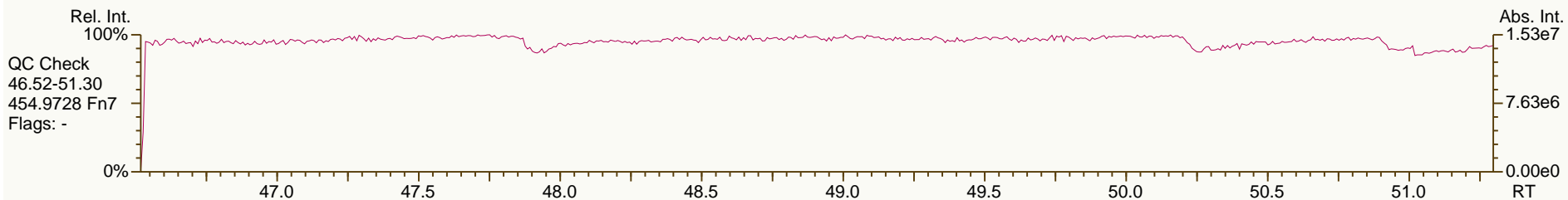
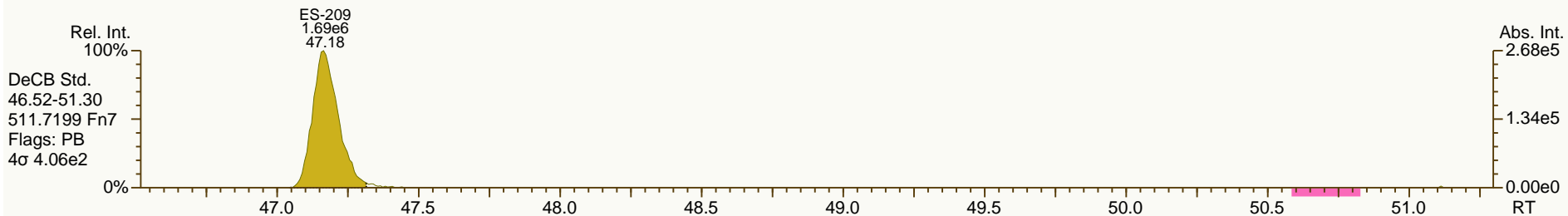
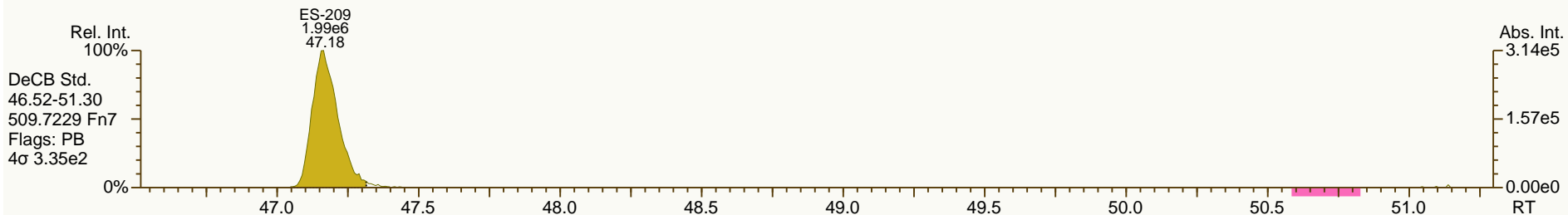
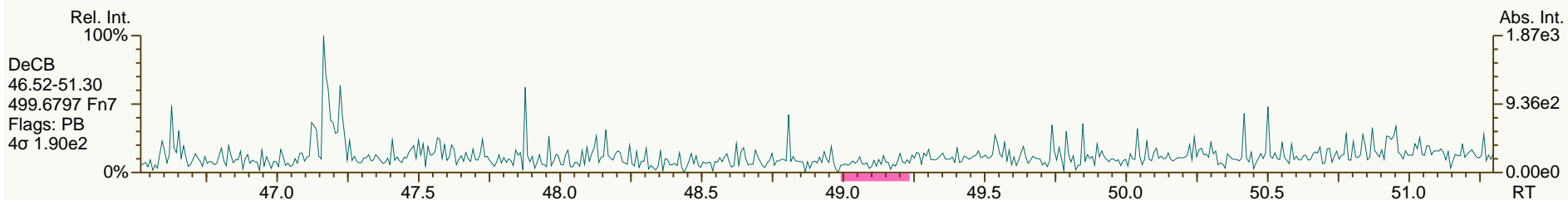
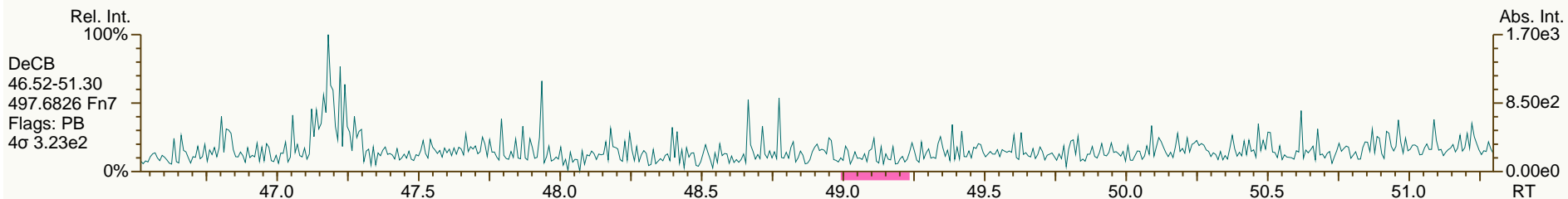
Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

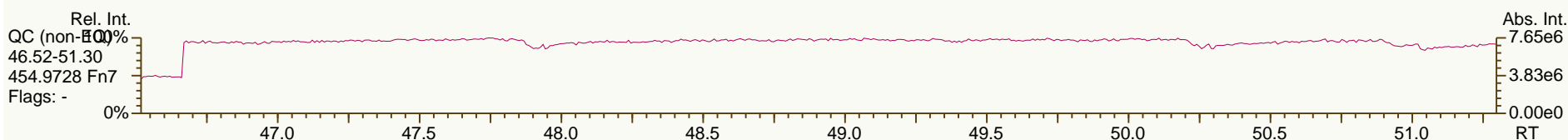
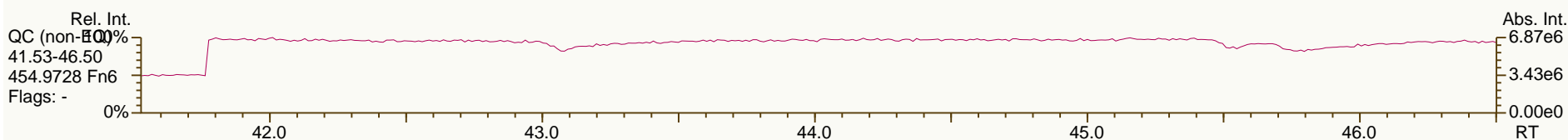
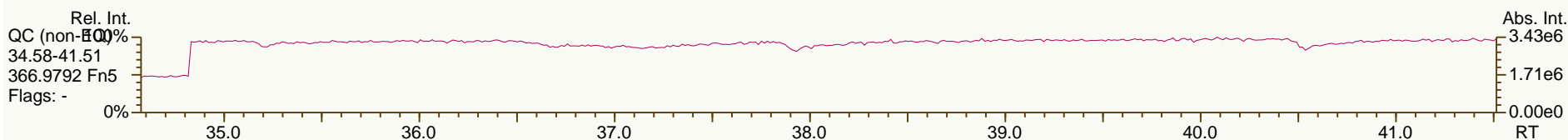
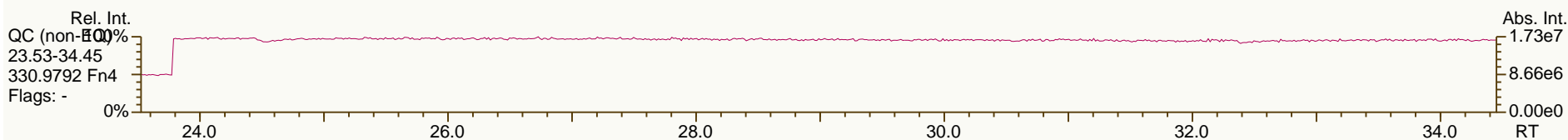
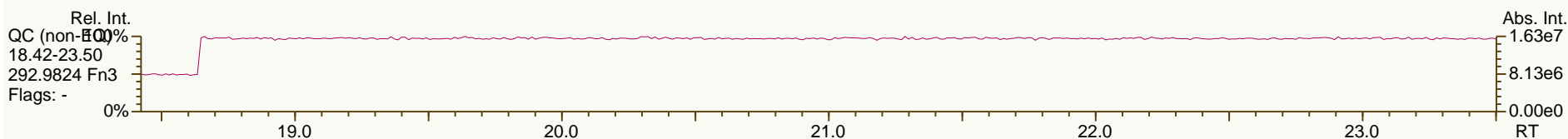
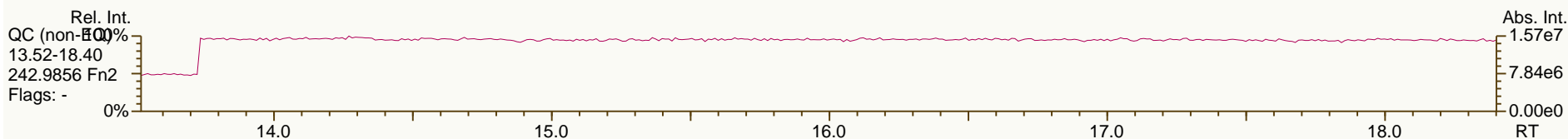
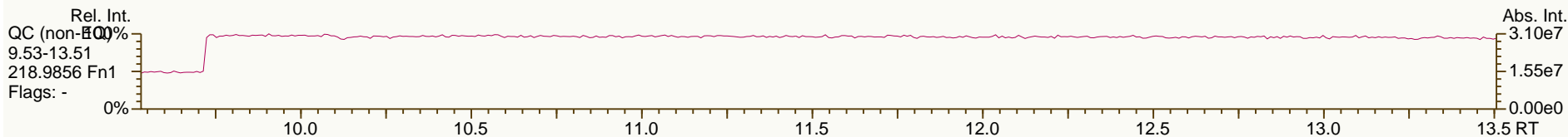
Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

Acq: 03-Jul-2012 20:47:34
 User: LKB Datafile: 120703S10



Lab ID: A4369_9892_PCB_005
 Client ID: JW-EA01-TISSUE-120516
 Datafile: 120703S11

ACQ: 03-Jul-2012 21:42:38 LKB Wt/Vol: 11.75 g
 UTP: 06-Jul-2012 13:59 LKB J-level: 0.851 pg/g Split: 1
 RPT: 06-Jul-2012 14:00 LB Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

ICAL: MM4_PCB_01102012_26JAN12 CS3_120703_PCB_SC
 Checkcode: 962-167-BHP
 Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.26		1.0006	1.0007	+0.2	8.90E+04	0.78	1.22	1.38	1.86E+03	0.299
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.86E+03	0.276
PCB-105 233'44'-PeCB	32.20		1.0007	1.0007	0	7.17E+05	0.60	1.03	16.4	1.58E+03	0.363
PCB-114 2344'5'-PeCB	31.67	J	1.0007	1.0008	+0.2	3.87E+04	0.60	1.10	0.834	1.58E+03	0.345
PCB-118 23'44'5'-PeCB	31.23		1.0008	1.0007	-0.2	1.89E+06	0.59	1.03	41.2	1.58E+03	0.334
PCB-123 23'44'5'-PeCB	30.95	EMPC	1.0007	1.0007	0	4.69E+04	0.44	0.93	1.21	1.58E+03	0.409
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.54E+03	0.322
PCB-156/157 ...-HxCB	37.34	C	1.0005	1.0003	-0.4	2.64E+05	1.24	1.05	6	1.02E+03	0.318
PCB-167 23'44'55'-HxCB	36.39		1.0006	1.0005	-0.2	1.28E+05	1.27	1.08	2.87	1.02E+03	0.231
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.02E+03	0.292
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.04E+03	0.204
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	6.35E+02	0.362
ES PCB-1	9.84		0.7181	0.7175	-0.4	9.18E+06	3.26	1.01	57.3 %	4%	100%
ES PCB-3	11.77		0.8583	0.8583	0	8.92E+06	3.34	1.05	53.6 %	11%	106%
ES PCB-4	11.97		0.8732	0.8730	-0.1	5.62E+06	1.57	0.70	51 %	14%	107%
ES PCB-15	17.08		1.2453	1.2457	+0.4	1.07E+07	1.64	1.17	58 %	19%	107%
ES PCB-19	14.67		1.0698	1.0697	-0.1	5.14E+06	1.04	0.57	57.2 %	1%	108%
ES PCB-37	23.06		1.0865	1.0869	+0.6	9.00E+06	1.10	1.41	80.8 %	25%	123%
ES PCB-54	17.31		0.8157	0.8156	-0.1	6.01E+06	0.78	1.32	57.5 %	13%	105%
ES PCB-77	29.24		1.3777	1.3780	+0.5	8.99E+06	0.80	1.22	93.5 %	31%	109%
ES PCB-81	28.77		1.3557	1.3560	+0.5	9.00E+06	0.80	1.15	99 %	14%	127%
ES PCB-104	22.02		0.8147	0.8147	0	6.54E+06	1.66	1.69	53.7 %	36%	115%
ES PCB-105	32.18		1.1906	1.1907	+0.2	7.25E+06	1.67	1.21	83.2 %	50%	111%
ES PCB-114	31.65		1.1709	1.1711	+0.4	7.19E+06	1.61	1.23	80.8 %	41%	121%
ES PCB-118	31.21		1.1547	1.1548	+0.2	7.55E+06	1.66	1.25	84.1 %	49%	111%
ES PCB-123	30.93		1.1444	1.1445	+0.2	7.14E+06	1.66	1.33	74.6 %	49%	116%
ES PCB-126	34.79		1.2871	1.2873	+0.4	8.06E+06	1.61	1.36	82.3 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.85		0.7939	0.7938	-0.2	7.12E+06	1.31	1.40	73.9 %	25%	124%
ES PCB-156/157	37.33		1.1035	1.1036	+0.2	1.43E+07	1.25	1.13	92.1 %	40%	120%
ES PCB-167	36.37		1.0753	1.0753	0	7.03E+06	1.29	1.13	90.6 %	45%	118%
ES PCB-169	40.06		1.1842	1.1843	+0.2	5.82E+06	1.23	1.14	74.3 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.66		0.7204	0.7203	-0.2	5.98E+06	1.06	1.34	65 %	23%	125%
ES PCB-189	42.18		0.9598	0.9597	-0.3	8.36E+06	1.06	1.77	89.7 %	47%	116%
ES PCB-202	36.17		0.8230	0.8229	-0.2	6.44E+06	0.90	1.27	73.9 %	31%	134%
ES PCB-205	44.35		1.0090	1.0090	0	5.54E+06	0.89	1.25	84 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.82		1.0424	1.0424	0	4.64E+06	0.77	1.07	82.3 %	38%	122%
ES PCB-208	41.79		0.9508	0.9507	-0.3	5.93E+06	0.81	1.34	83.9 %	31%	126%
ES PCB-209	47.18		1.0732	1.0733	+0.3	4.59E+06	1.23	1.18	73.4 %	43%	115%
CS/SS PCB-28	19.67		0.9269	0.9269	0	9.50E+06	1.06	0.98	108 %	14%	131%
CS/SS PCB-111	29.30	V	1.0843	1.0843	0	7.81E+06	1.62	0.90	122 %	57%	112%
CS/SS PCB-178	34.22		1.0118	1.0118	0	4.36E+06	1.18	0.65	113 %	57%	125%
CS PCB-28	19.67		0.9269	0.9269	0	9.50E+06	1.06	1.39	86.9 %	14%	131%
CS PCB-111	29.30		1.0843	1.0843	0	7.81E+06	1.62	1.19	90.9 %	57%	112%
CS PCB-178	34.22		1.0118	1.0118	0	4.36E+06	1.18	0.87	73.3 %	57%	125%
JS PCB-9	13.71					1.58E+07	1.59				
JS PCB-52	21.22					7.89E+06	0.78				
JS PCB-101	27.02					7.21E+06	1.65				
JS PCB-138	33.82					6.86E+06	1.28				
JS PCB-194	43.95					5.28E+06	0.90				
Totals						NON-EMPC	EMPC	DL			
Mono-CBs						4.36	4.36	0.249			
Di-CBs						157	157	4.04			
Tri-CBs						1,460	1,460	0.589			
Tetra-CBs						1,600	1,600	0.251			
Penta-CBs						476	481	0.341			
Hexa-CBs						413	415	0.252			
Hepta-CBs						101	103	0.322			
Octa-CBs						17	18.9	0.262			
Nona-CBs						0	0	0.389			
PCB-1 2-MoCB	9.85		1.0011	1.0011	0	1.06E+05	3.09	1.20	1.65	2.73E+03	0.21
PCB-2 3-MoCB	11.62		0.9878	0.9878	0	8.86E+04	2.86	1.14	1.48	2.73E+03	0.286
PCB-3 4-MoCB	11.78		1.0010	1.0009	-0.1	7.32E+04	3.00	1.13	1.24	2.73E+03	0.289
PCB-4 22'-DiCB	11.98		1.0012	1.0012	0	7.77E+05	1.55	0.94	24.9	2.44E+04	4.6
PCB-10 26-DiCB	12.13		1.0142	1.0137	-0.4	8.86E+04	SI	1.67	1.61	1.07E+04	1.14
PCB-9 25-DiCB	13.73		1.0011	1.0012	+0.1	1.18E+05	SI	0.89	2.1	6.32E+03	0.951
PCB-7 24-DiCB	13.87		1.0116	1.0117	+0.1	1.08E+05	SI	1.05	1.64	6.32E+03	0.807
PCB-6 23'-DiCB	14.07		1.0261	1.0260	-0.1	5.13E+05	SI	0.96	8.5	6.32E+03	0.883
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.94	ND	2.61E+04	3.72
PCB-8 24'-DiCB	14.44		1.0533	1.0534	+0.1	1.67E+06	1.68	1.01	26.2	2.61E+04	3.46
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.10	ND	2.61E+04	3.17
PCB-11 33'-DiCB	16.57	B	0.9701	0.9700	-0.1	3.13E+06	1.62	0.94	52.9	2.61E+04	3.73
PCB-13/12 34'/34-DiCB	16.82	C	0.9855	0.9846	-0.9	3.00E+05	SI	0.94	5.04	6.32E+03	0.897
PCB-15 44'-DiCB	17.09		1.0008	1.0007	-0.1	2.16E+06	1.61	1.01	34.1	2.61E+04	3.47

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.68		1.0011	1.0012	+0.1	5.61E+05	1.06	1.01	18.4	1.96E+03	0.463
PCB-30/18 246/22'5-TrCB	16.30	C	1.1110	1.1115	+0.5	4.24E+06	1.05	1.23	115	1.96E+03	0.381
PCB-17 22'4-TrCB	16.66		1.1357	1.1358	+0.1	3.28E+06	1.04	1.05	104	1.96E+03	0.447
PCB-27 23'6-TrCB	16.84		1.1479	1.1480	+0.1	8.78E+05	1.06	1.38	21.1	1.96E+03	0.34
PCB-24 236-TrCB	16.95		1.1558	1.1557	-0.1	1.70E+05	0.96	1.30	4.33	1.96E+03	0.359
PCB-16 22'3-TrCB	17.04		1.1612	1.1615	+0.3	2.39E+06	1.05	0.85	92.8	1.96E+03	0.549
PCB-32 24'6-TrCB	17.49		1.1923	1.1924	+0.1	3.21E+06	1.05	1.46	72.7	1.96E+03	0.319
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.24	ND	4.64E+03	0.691
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.27	ND	4.64E+03	0.672
PCB-26/29 23'5/245-TrCB	18.97	C	0.8236	0.8226	-1.1	3.44E+06	1.05	1.29	50.5	4.64E+03	0.665
PCB-25 23'4-TrCB	19.17		0.8315	0.8313	-0.2	1.69E+06	0.98	1.29	24.8	4.64E+03	0.665
PCB-31 24'5-TrCB	19.44		0.8430	0.8428	-0.2	2.09E+07	1.05	1.33	298	4.64E+03	0.646
PCB-28/20 244'/233'-TrCB	19.69	C	0.8542	0.8537	-0.6	2.58E+07	1.05	1.26	389	4.64E+03	0.681
PCB-21/33 234/23'4'-TrCB	19.88	C	0.8612	0.8621	+1.1	4.65E+06	1.04	1.31	67.3	4.64E+03	0.655
PCB-22 234'-TrCB	20.21		0.8766	0.8765	-0.1	8.60E+06	1.04	1.21	134	4.64E+03	0.705
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.26	ND	4.64E+03	0.681
PCB-39 34'5-TrCB	21.90		0.9481	0.9494	+1.7	1.26E+05	0.96	1.32	1.81	4.64E+03	0.649
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.18	ND	4.64E+03	0.726
PCB-35 33'4-TrCB	22.74		0.9860	0.9861	+0.1	2.36E+05	1.05	1.15	3.87	4.64E+03	0.745
PCB-37 344'-TrCB	23.08		1.0008	1.0008	0	3.99E+06	1.03	1.20	62.9	4.64E+03	0.715
PCB-54 22'66'-TeCB	17.32	J	1.0010	1.0011	+0.1	2.69E+04	0.88	0.93	0.818	1.01E+03	0.254
PCB-50/53 22'46/22'56'-TeCB	19.18	C	0.9051	0.9040	-1.3	1.47E+06	0.76	0.83	33.6	9.13E+02	0.204
PCB-45 22'36-TeCB	19.75		0.9304	0.9306	+0.2	1.46E+06	0.73	0.68	40.6	9.13E+02	0.248
PCB-51 22'46'-TeCB	19.82		0.9340	0.9343	+0.4	4.82E+05	0.78	0.84	10.9	9.13E+02	0.201
PCB-46 22'36'-TeCB	20.01		0.9429	0.9428	-0.1	5.15E+05	0.80	0.68	14.4	9.13E+02	0.249
PCB-52 22'55'-TeCB	21.24		1.0010	1.0009	-0.1	1.13E+07	0.78	0.76	283	9.13E+02	0.223
PCB-73 23'5'6-TeCB	21.35		1.0069	1.0062	-0.9	5.09E+04	0.86	0.97	0.99	9.13E+02	0.174
PCB-43 22'35-TeCB	21.44		1.0106	1.0104	-0.3	5.24E+05	0.76	0.70	14.1	9.13E+02	0.24
PCB-69/49 23'46/22'45'-TeCB	21.66	C	1.0198	1.0206	+1.0	7.99E+06	0.77	0.94	162	9.13E+02	0.18
PCB-48 22'45-TeCB	21.90		1.0319	1.0319	0	3.13E+06	0.78	0.77	77.2	9.13E+02	0.22
PCB-44/47/65 ...-TeCB	22.08	C	1.0416	1.0407	-1.2	1.24E+07	0.78	0.83	282	9.13E+02	0.203
PCB-59/62/75 ...-TeCB	22.36	C	1.0541	1.0537	-0.5	2.07E+06	0.79	1.06	37	9.13E+02	0.159
PCB-42 22'34'-TeCB	22.52		1.0612	1.0612	0	3.16E+06	0.78	0.72	83.2	9.13E+02	0.235
PCB-41 22'34-TeCB	22.83		1.0759	1.0759	0	1.27E+06	0.77	0.64	37.7	9.13E+02	0.264
PCB-71/40 23'4'6/22'33'-TeCB	22.93	C	1.0806	1.0808	+0.3	5.00E+06	0.78	0.80	118	9.13E+02	0.211
PCB-64 234'6-TeCB	23.13		1.0899	1.0899	0	7.20E+06	0.78	1.10	124	9.13E+02	0.154
PCB-72 23'55'-TeCB	23.86		0.8295	0.8293	-0.3	1.43E+05	0.76	1.12	2.42	1.86E+03	0.306
PCB-68 23'45'-TeCB	24.11		0.8379	0.8378	-0.1	8.30E+04	0.76	1.22	1.29	1.86E+03	0.281
PCB-57 233'5-TeCB	24.45	EMPC	0.8501	0.8498	-0.4	7.73E+04	0.62	1.09	1.34	1.86E+03	0.313
PCB-58 233'5'-TeCB	24.65	J	0.8568	0.8566	-0.3	4.14E+04	0.85	1.11	0.705	1.86E+03	0.308
PCB-67 23'45-TeCB	24.80		0.8620	0.8620	0	4.90E+05	0.85	1.17	7.9	1.86E+03	0.292
PCB-63 234'5-TeCB	25.02		0.8697	0.8696	-0.2	3.82E+05	0.77	1.22	5.92	1.86E+03	0.281
PCB-61/70/74/76 ...-TeCB	25.32	C	0.8792	0.8799	+1.1	9.36E+06	0.78	1.13	157	1.86E+03	0.303
PCB-66 23'44'-TeCB	25.57		0.8888	0.8887	-0.2	4.22E+06	0.78	1.06	75.2	1.86E+03	0.323
PCB-55 233'4-TeCB	25.71		0.8932	0.8934	+0.3	1.13E+05	0.72	1.09	1.96	1.86E+03	0.313

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.12		0.9080	0.9079	-0.2	8.35E+05	0.76	1.06	14.9	1.86E+03	0.323
PCB-60 2344'-TeCB	26.31		0.9144	0.9143	-0.2	4.29E+05	0.72	1.09	7.45	1.86E+03	0.314
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	1.86E+03	0.279
PCB-79 33'45'-TeCB	27.96	J	0.9718	0.9717	-0.2	4.38E+04	0.70	1.21	0.686	1.86E+03	0.284
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.02	ND	1.86E+03	0.338
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	1.07E+03	0.27
PCB-96 22'366'-PeCB	22.33		1.0141	1.0141	0	8.69E+04	0.64	0.89	2.54	1.07E+03	0.278
PCB-103 22'45'6'-PeCB	24.01	EMPC	0.8883	0.8883	0	4.80E+04	0.76	0.83	1.39	1.58E+03	0.458
PCB-94 22'356'-PeCB	24.18	EMPC	0.8946	0.8946	0	3.94E+04	0.52	0.72	1.3	1.58E+03	0.525
PCB-95 22'35'6'-PeCB	24.54		0.9082	0.9082	0	2.89E+06	0.59	0.75	91.4	1.58E+03	0.503
PCB-100/93 22'44'6'/22'356'-PeCB	24.75	C	0.9158	0.9159	+0.1	8.72E+04	0.56	0.77	2.7	1.58E+03	0.492
PCB-102 22'456'-PeCB	24.86		0.9198	0.9199	+0.1	1.94E+05	0.64	0.88	5.26	1.58E+03	0.43
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.68	ND	1.58E+03	0.558
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.68	ND	1.58E+03	0.56
PCB-91 22'34'6'-PeCB	25.28		0.9352	0.9353	+0.2	5.50E+05	0.61	0.85	15.5	1.58E+03	0.447
PCB-84 22'33'6'-PeCB	25.45		0.9416	0.9416	0	4.21E+05	0.61	0.66	15.3	1.58E+03	0.577
PCB-89 22'346'-PeCB	25.85	EMPC	0.9567	0.9566	-0.2	2.91E+04	0.72	0.68	1.01	1.58E+03	0.553
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.01	ND	1.58E+03	0.376
PCB-92 22'355'-PeCB	26.55		0.9825	0.9825	0	7.80E+05	0.61	0.71	26.1	1.58E+03	0.532
PCB-113/90/101 ...-PeCB	27.05	C	0.9999	1.0008	+1.5	2.77E+06	0.60	0.86	76.8	1.58E+03	0.441
PCB-83 22'33'5'-PeCB	27.43		1.0150	1.0149	-0.2	1.30E+05	0.60	0.62	5.02	1.58E+03	0.611
PCB-99 22'44'5'-PeCB	27.54		1.0190	1.0190	0	1.37E+06	0.62	0.77	42.6	1.58E+03	0.494
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	1.58E+03	0.366
PCB-108/119/86/97/125...-PeCB	27.99	C	1.0347	1.0355	+1.3	1.31E+06	0.60	0.89	35.1	1.58E+03	0.426
PCB-117 234'56'-PeCB	28.48		1.0539	1.0538	-0.2	5.49E+04	0.65	0.70	1.86	1.58E+03	0.539
PCB-116/85 23456/22'344'-PeCB	28.55	C	1.0566	1.0565	-0.2	4.42E+05	0.63	0.98	10.7	1.58E+03	0.385
PCB-110 233'4'6'-PeCB	28.69		1.0615	1.0616	+0.2	2.94E+06	0.60	0.97	72.2	1.58E+03	0.391
PCB-115 2344'6'-PeCB	28.79		1.0644	1.0653	+1.6	3.88E+04	0.63	1.00	0.922	1.58E+03	0.377
PCB-82 22'33'4'-PeCB	28.95		1.0711	1.0711	0	1.51E+05	0.58	0.63	5.74	1.58E+03	0.602
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.01	ND	1.58E+03	0.376
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.02	ND	1.58E+03	0.371
PCB-107/124 ...-PeCB	30.66	C	0.9909	0.9911	+0.4	1.07E+05	0.55	0.95	2.68	1.58E+03	0.397
PCB-109 233'46'-PeCB	30.86		0.9976	0.9975	-0.2	1.80E+05	0.60	1.05	4.09	1.58E+03	0.361
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.97	ND	1.58E+03	0.388
PCB-122 233'4'5'-PeCB	31.51	J	1.0095	1.0097	+0.4	2.88E+04	0.55	0.91	0.747	1.58E+03	0.414
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.98	ND	1.58E+03	0.378
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	7.77E+02	0.166
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.98	ND	7.77E+02	0.178
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.00	ND	7.77E+02	0.176
PCB-136 22'33'66'-HxCB	27.43		1.0216	1.0216	0	3.19E+05	1.28	0.92	8.32	7.77E+02	0.191
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.93	ND	7.77E+02	0.188
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.72	ND	7.77E+02	0.243
PCB-151/135 ...-HxCB	29.49	C	1.0986	1.0985	-0.2	1.08E+06	1.20	0.71	36.1	7.77E+02	0.245
PCB-154 22'44'56'-HxCB	29.71		1.1067	1.1068	+0.2	5.75E+04	1.38	0.79	1.74	7.77E+02	0.221
PCB-144 22'345'6'-HxCB	29.96		1.1158	1.1159	+0.2	9.44E+04	1.11	0.72	3.15	7.77E+02	0.244

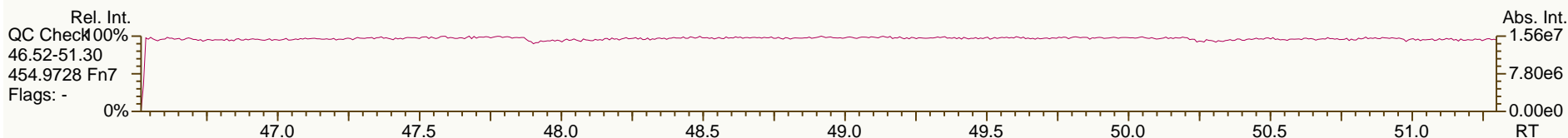
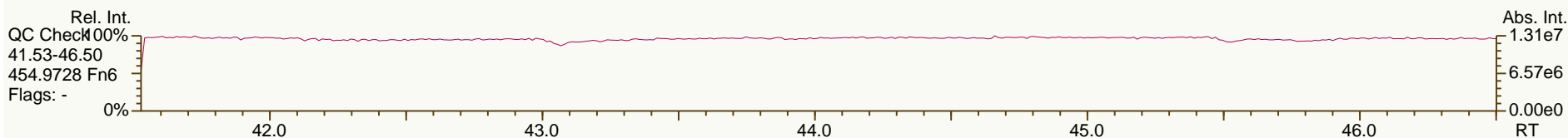
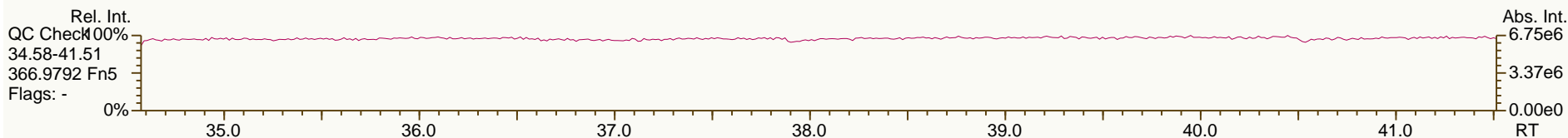
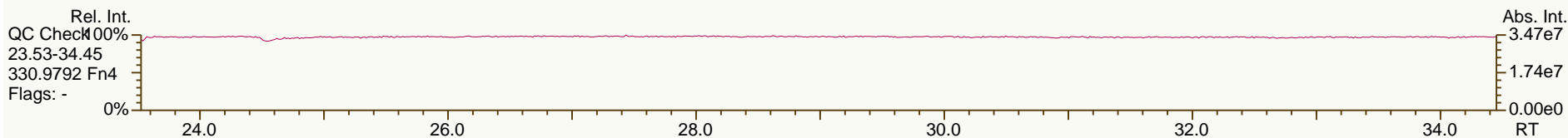
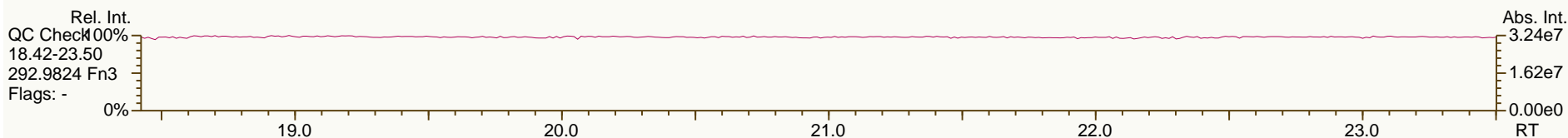
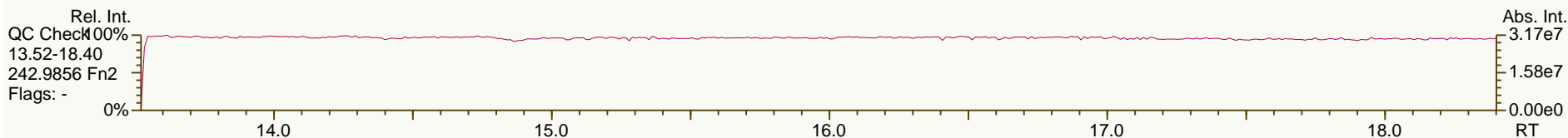
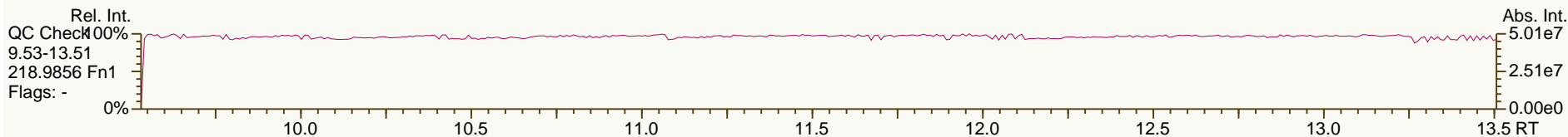
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.25	C	1.1269	1.1269	0	2.02E+06	1.24	0.73	65.8	7.77E+02	0.239
PCB-134 22'33'56"-HxCB	30.42		1.1326	1.1330	+0.7	1.59E+05	1.33	0.60	6.31	7.77E+02	0.291
PCB-143 22'3456"-HxCB	NotFnd		1.1356	-		0.00E+00		0.70	ND	7.77E+02	0.251
PCB-139/140 ...-HxCB	30.76	EMPC C	1.1458	1.1457	-0.2	6.69E+04	1.53	0.75	2.14	7.77E+02	0.234
PCB-131 22'33'46"-HxCB	30.91		1.1516	1.1515	-0.2	2.42E+04	1.42	0.62	0.93	7.77E+02	0.281
PCB-142 22'3456"-HxCB	NotFnd		1.1564	-		0.00E+00		0.67	ND	7.77E+02	0.26
PCB-132 22'33'46"-HxCB	31.29		1.1655	1.1657	+0.4	6.17E+05	1.20	0.67	22	7.77E+02	0.261
PCB-133 22'33'55"-HxCB	31.76		1.1826	1.1829	+0.6	1.27E+05	1.20	0.66	4.59	7.77E+02	0.263
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.83	ND	7.77E+02	0.212
PCB-146 22'34'55"-HxCB	32.30		0.9550	0.9550	0	7.94E+05	1.29	0.72	26.2	7.77E+02	0.241
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.95	ND	7.77E+02	0.185
PCB-153/168 ...-HxCB	32.82	C	0.9709	0.9702	-1.4	3.06E+06	1.28	0.89	82.5	7.77E+02	0.197
PCB-141 22'3455"-HxCB	32.96		0.9746	0.9746	0	2.51E+05	1.24	0.67	8.99	7.77E+02	0.262
PCB-130 22'33'45"-HxCB	33.30		0.9847	0.9846	-0.2	2.51E+05	1.21	0.61	9.77	7.77E+02	0.285
PCB-137 22'344'5"-HxCB	33.49		0.9904	0.9903	-0.2	1.73E+05	1.41	0.72	5.73	7.77E+02	0.243
PCB-164 233'4'5'6"-HxCB	33.58		0.9930	0.9929	-0.2	2.76E+05	1.31	0.93	7.09	7.77E+02	0.188
PCB-163/138/129 ...-HxCB	33.85	C	1.0012	1.0008	-0.8	2.95E+06	1.29	0.76	92.9	7.77E+02	0.231
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.91	ND	7.77E+02	0.191
PCB-158 233'44'6"-HxCB	34.18		1.0106	1.0106	0	3.41E+05	1.30	0.96	8.49	7.77E+02	0.182
PCB-128/166 ...-HxCB	34.89	C	0.9593	0.9594	+0.2	4.82E+05	1.30	0.90	13	1.02E+03	0.277
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.06	ND	1.02E+03	0.236
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.09	ND	1.02E+03	0.228
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	1.01E+03	0.291
PCB-179 22'33'566"-HpCB	31.94		1.0089	1.0090	+0.2	2.64E+05	1.01	1.09	6.87	1.01E+03	0.284
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.05	ND	1.01E+03	0.295
PCB-176 22'33'466"-HpCB	32.69		1.0324	1.0325	+0.2	6.54E+04	1.04	1.17	1.59	1.01E+03	0.265
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.13	ND	1.01E+03	0.275
PCB-178 22'33'55'6"-HpCB	34.24		1.0816	1.0817	+0.2	2.39E+05	1.16	0.82	8.3	1.01E+03	0.379
PCB-175 22'33'45'6"-HpCB	34.79	J EMPC	1.0985	1.0988	+0.6	1.89E+04	0.69	0.86	0.625	1.20E+03	0.427
PCB-187 22'34'55'6"-HpCB	35.01		1.1057	1.1058	+0.2	8.94E+05	1.07	0.91	28	1.20E+03	0.405
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.93	ND	1.20E+03	0.396
PCB-183 22'344'5'6"-HpCB	35.52		1.1219	1.1220	+0.2	2.94E+05	0.99	1.00	8.38	1.20E+03	0.368
PCB-185 22'3455'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.84	ND	1.20E+03	0.439
PCB-174 22'33'456"-HpCB	35.70		1.1276	1.1277	+0.2	1.85E+05	0.90	0.77	6.88	1.20E+03	0.48
PCB-177 22'33'45'6"-HpCB	36.07		1.1393	1.1394	+0.2	3.21E+05	1.00	0.77	11.9	1.20E+03	0.479
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.90	ND	1.20E+03	0.41
PCB-171/173 ...-HpCB	36.60	C	1.1556	1.1562	+1.3	1.12E+05	1.03	0.80	3.98	1.20E+03	0.459
PCB-172 22'33'455"-HpCB	37.99	J	0.9003	0.9005	+0.5	2.95E+04	1.07	0.72	0.84	1.20E+03	0.364
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.91	ND	1.20E+03	0.287
PCB-180/193 ...-HpCB	38.52	C	0.9127	0.9132	+1.2	7.95E+05	1.07	0.84	19.2	1.20E+03	0.31
PCB-191 233'44'5'6"-HpCB	38.82	J EMPC	0.9203	0.9203	0	2.33E+04	0.79	0.94	0.507	1.20E+03	0.278
PCB-170 22'33'44'5"-HpCB	39.57		0.9380	0.9380	0	1.40E+05	0.93	0.70	4.09	1.20E+03	0.374
PCB-190 233'44'56"-HpCB	40.02		0.9486	0.9486	0	6.49E+04	1.05	0.91	1.45	1.20E+03	0.286
PCB-202 22'33'55'66"-OoCB	36.19		1.0006	1.0007	+0.2	1.49E+05	0.83	0.83	4.78	8.31E+02	0.284
PCB-201 22'33'45'66"-OoCB	36.97		1.0221	1.0221	0	5.07E+04	0.81	0.95	1.42	8.31E+02	0.249

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	8.31E+02	0.26
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		0.88	ND	8.31E+02	0.266
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.84	ND	8.31E+02	0.28
PCB-198/199 ...-OcCB	40.18	C	1.1102	1.1110	+1.9	1.70E+05	0.97	0.67	6.67	8.31E+02	0.349
PCB-196 22'33'44'56'-OcCB	40.73		1.1260	1.1262	+0.5	6.26E+04	0.86	0.68	2.42	8.31E+02	0.344
PCB-203 22'344'55'6-OcCB	40.89	EMPC	1.1306	1.1306	0	5.29E+04	1.18	0.72	1.94	8.31E+02	0.327
PCB-195 22'33'44'56-OcCB	42.00	J	0.9469	0.9469	0	1.24E+04	1.02	0.66	0.579	7.88E+02	0.398
PCB-194 22'33'44'55'-OcCB	43.97		0.9915	0.9915	0	2.68E+04	0.94	0.72	1.14	7.88E+02	0.361
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	7.88E+02	0.239
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.98	ND	9.36E+02	0.338
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		0.99	ND	9.36E+02	0.332
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.93	ND	9.36E+02	0.441

AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

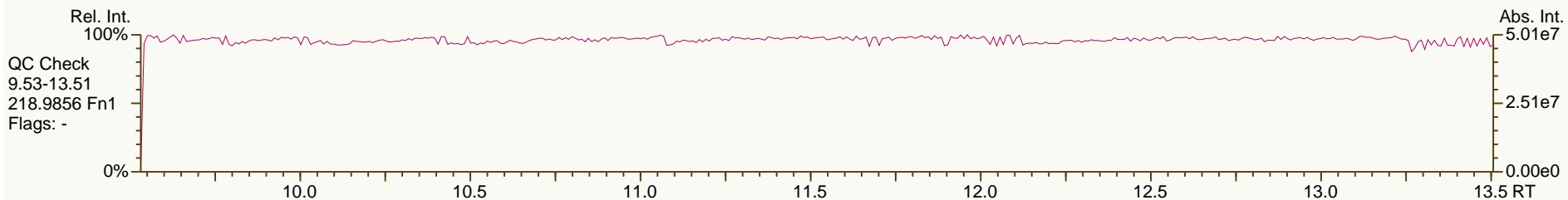
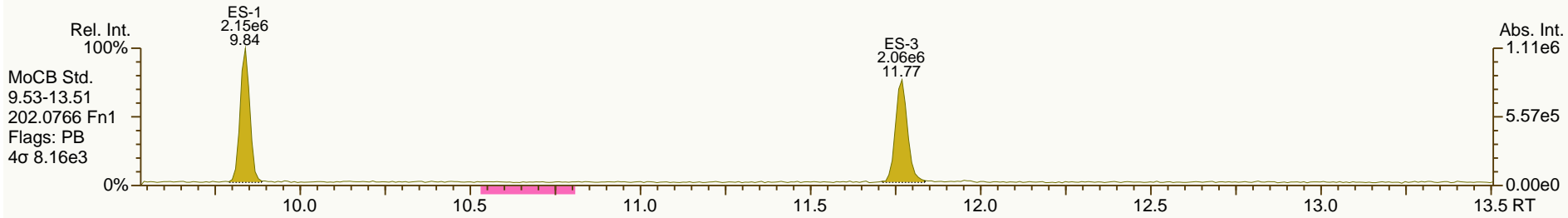
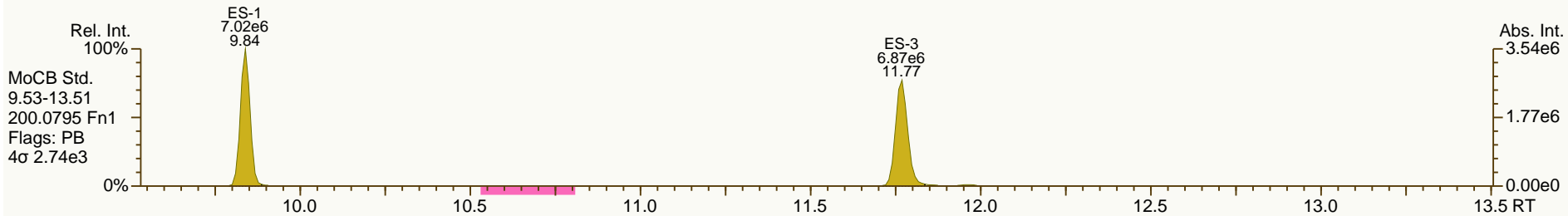
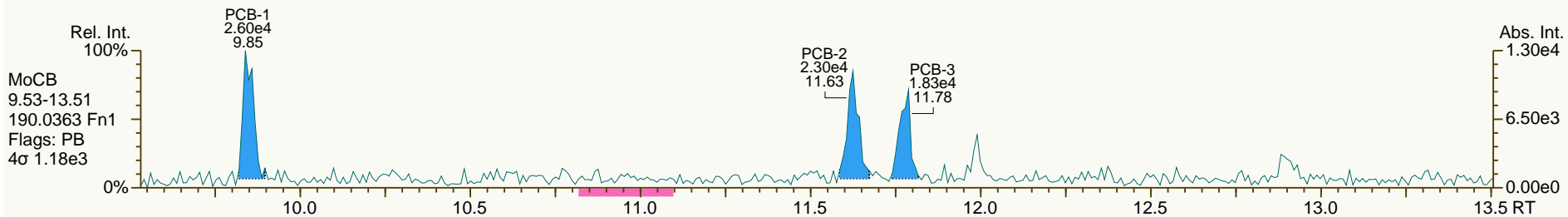
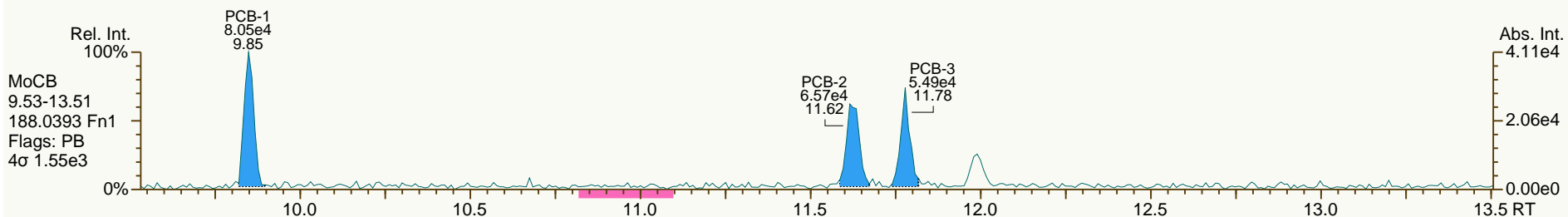
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

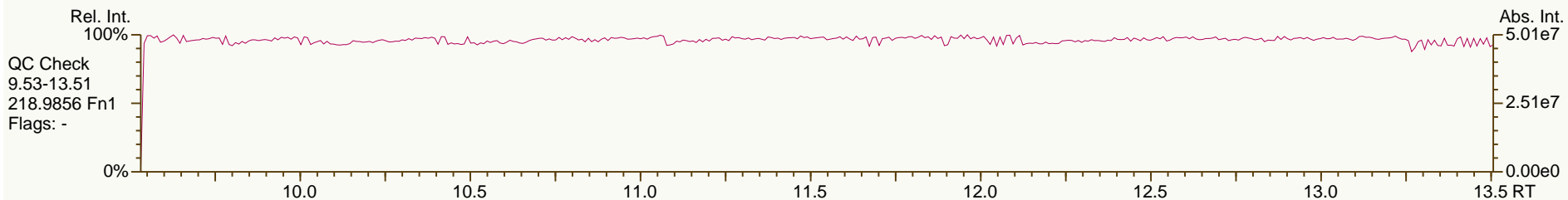
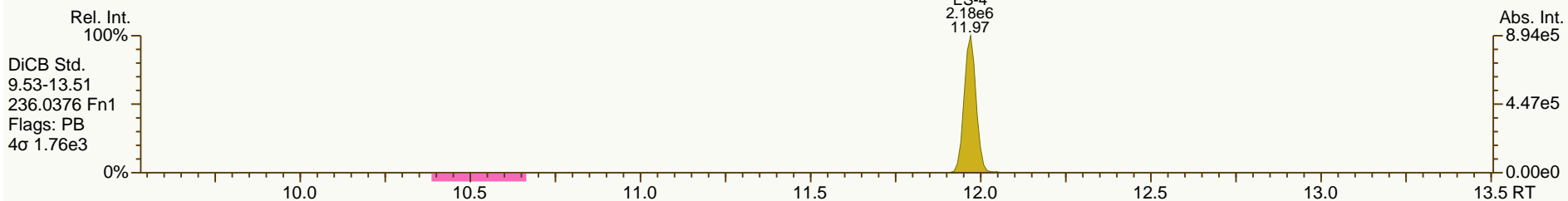
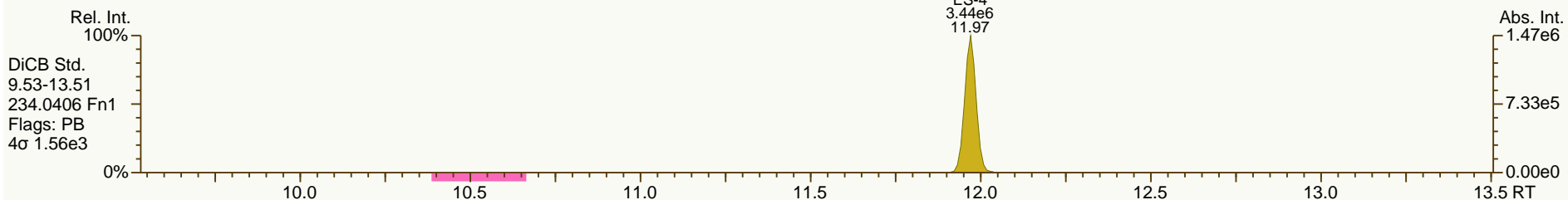
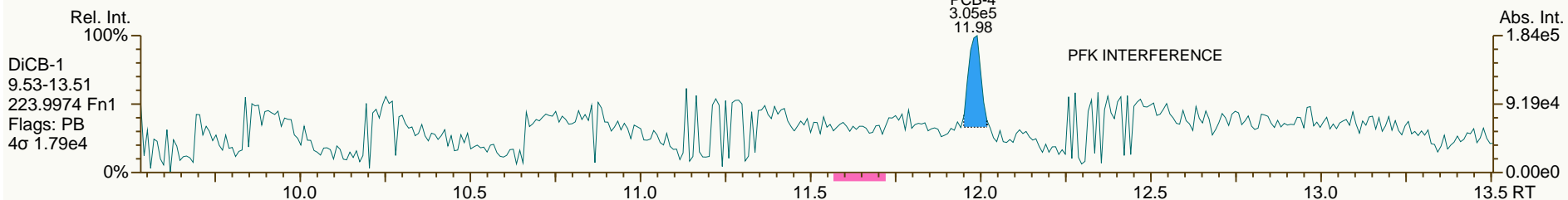
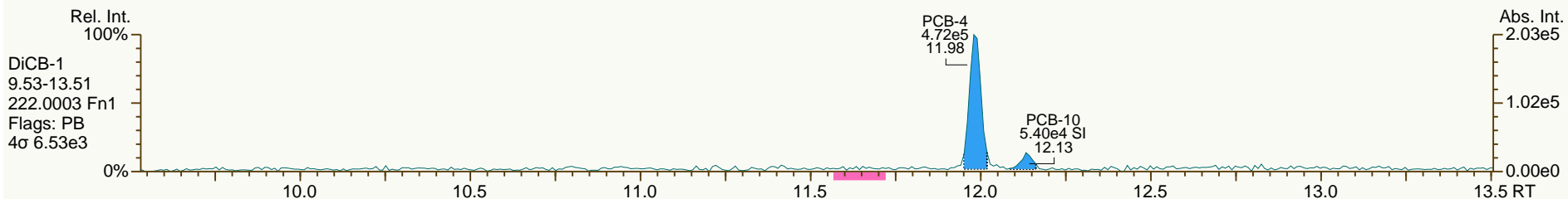
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

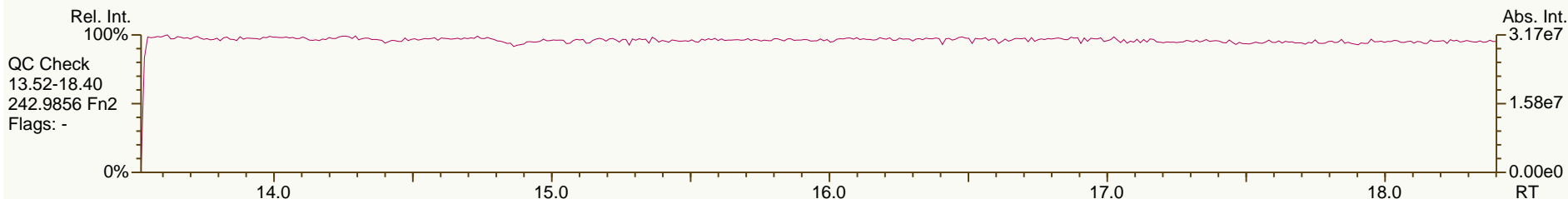
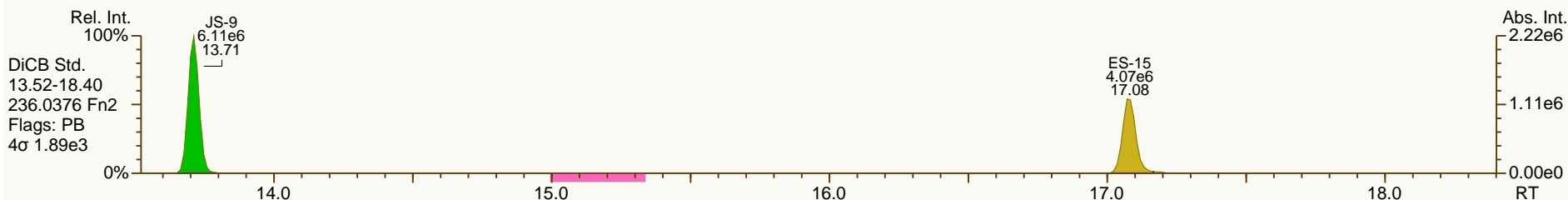
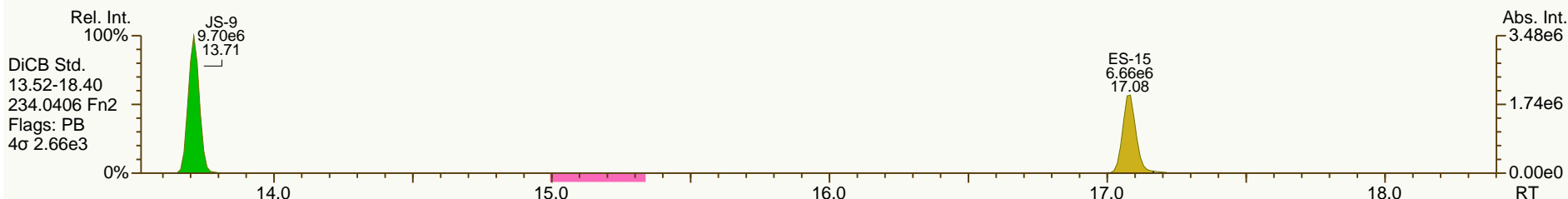
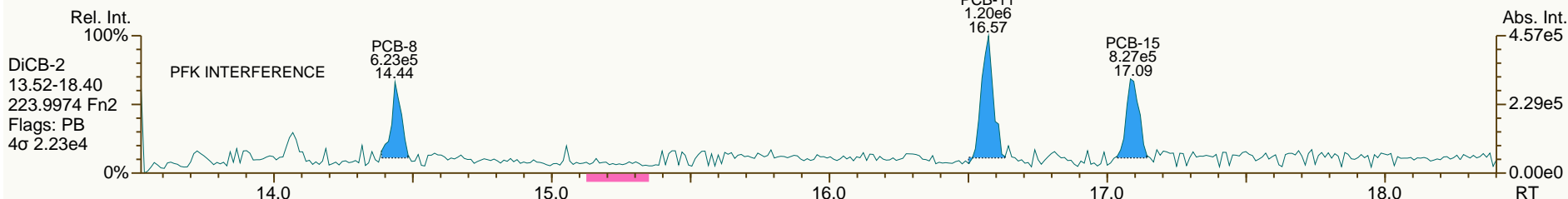
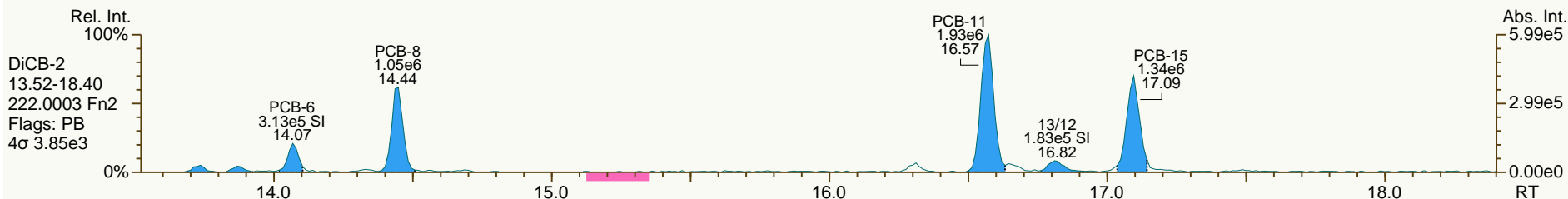
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

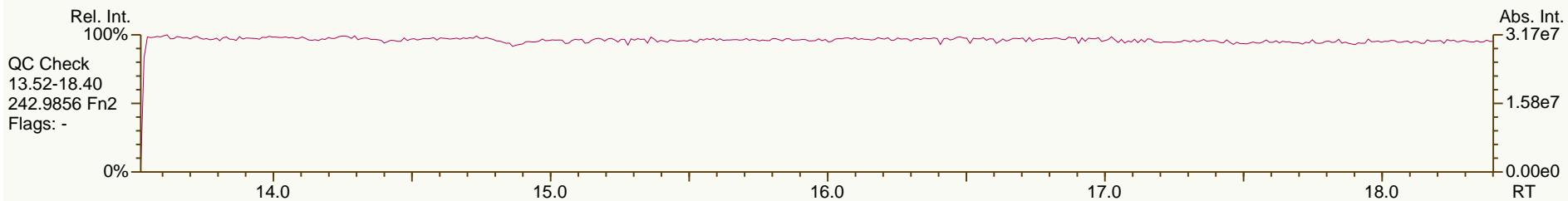
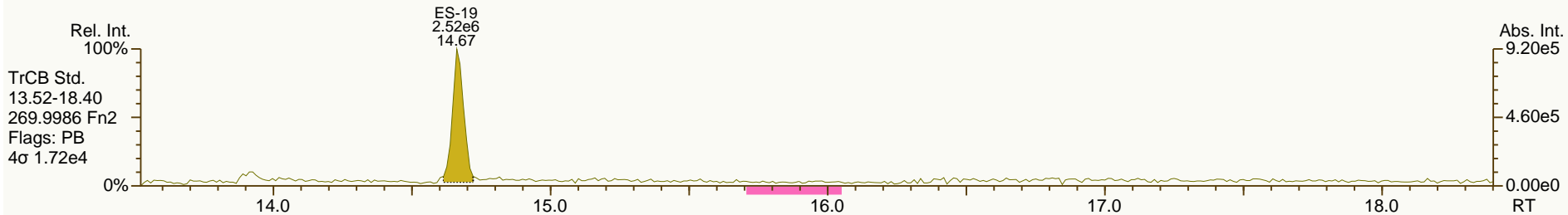
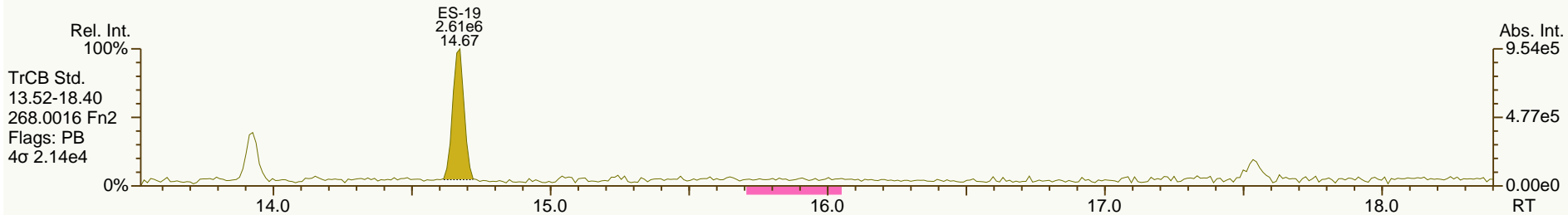
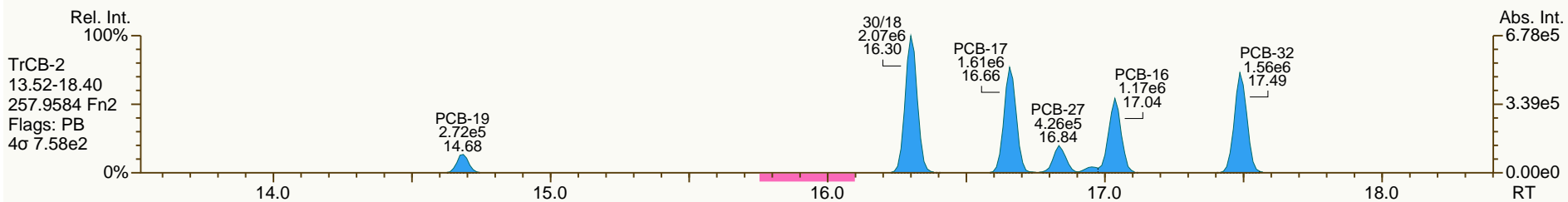
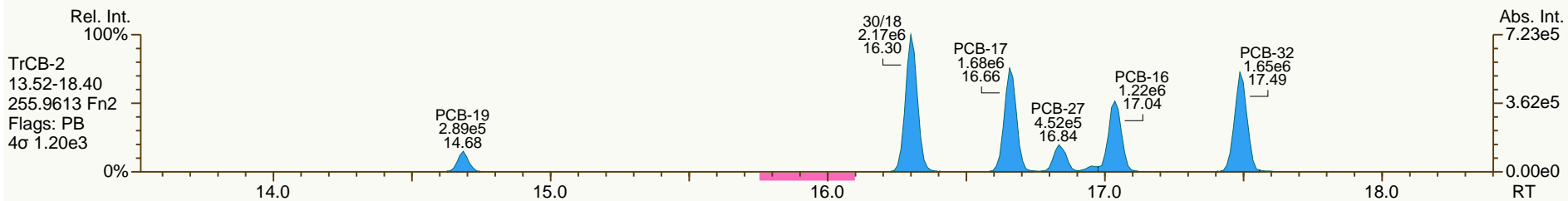
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

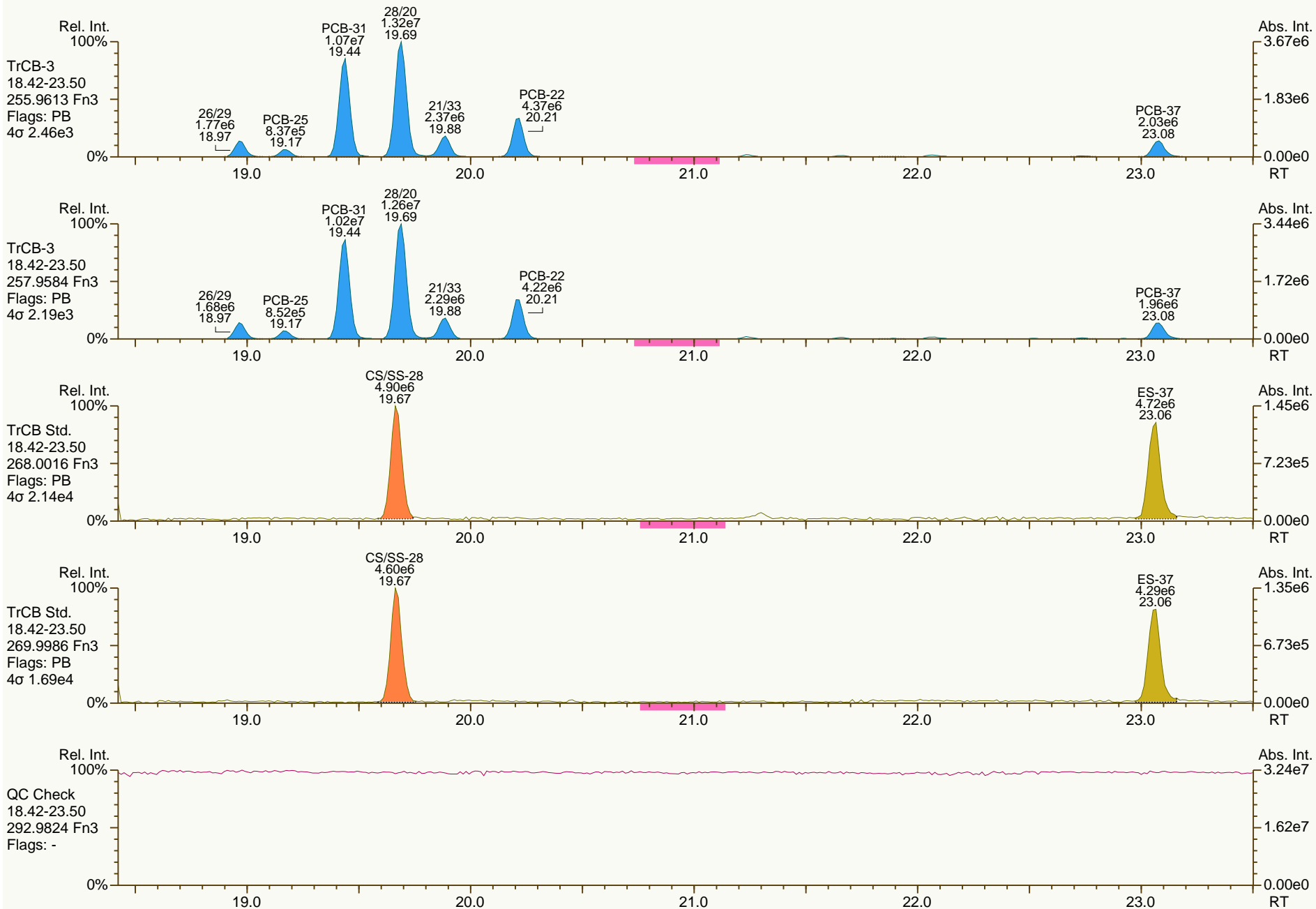
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

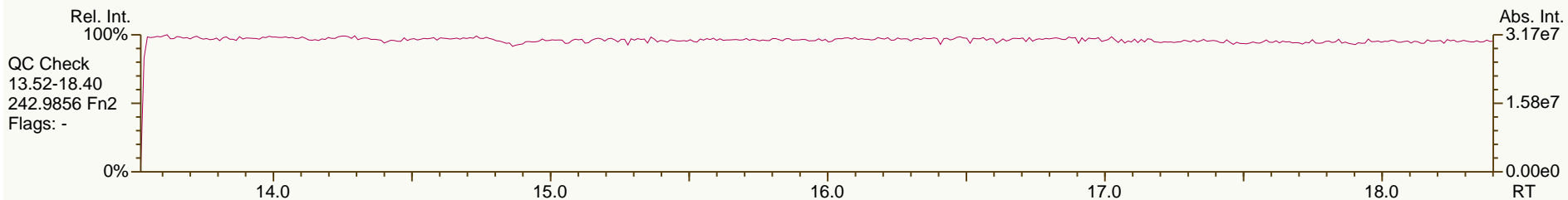
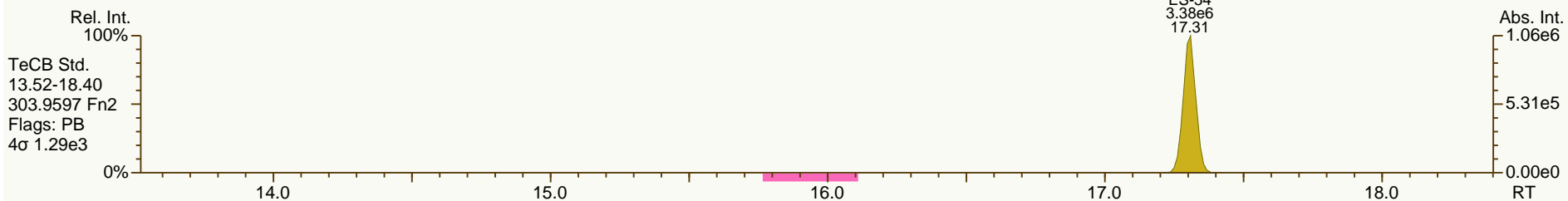
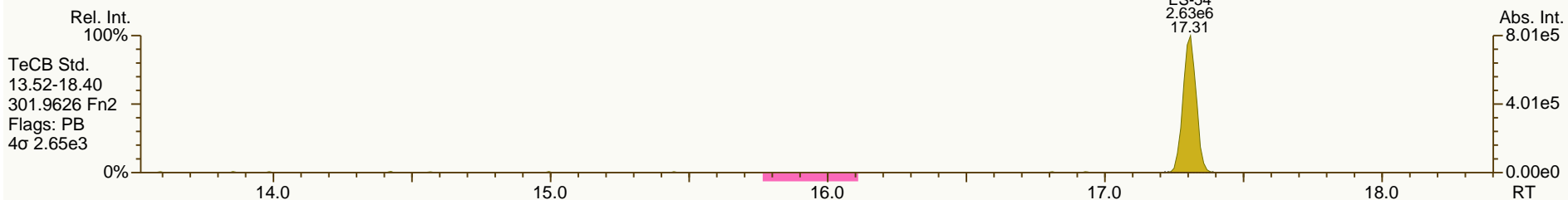
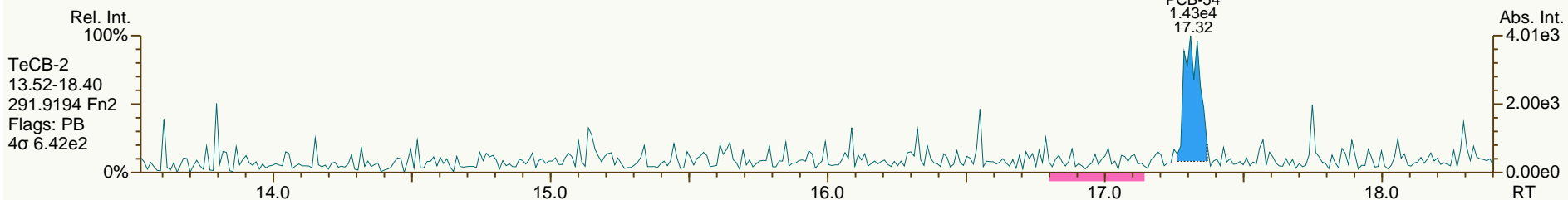
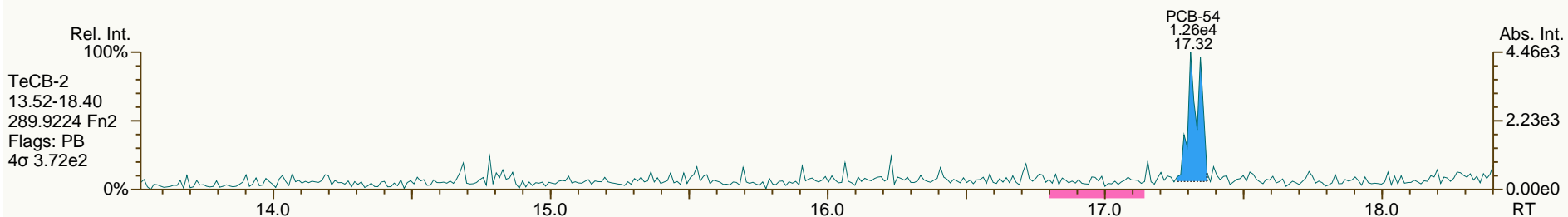
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

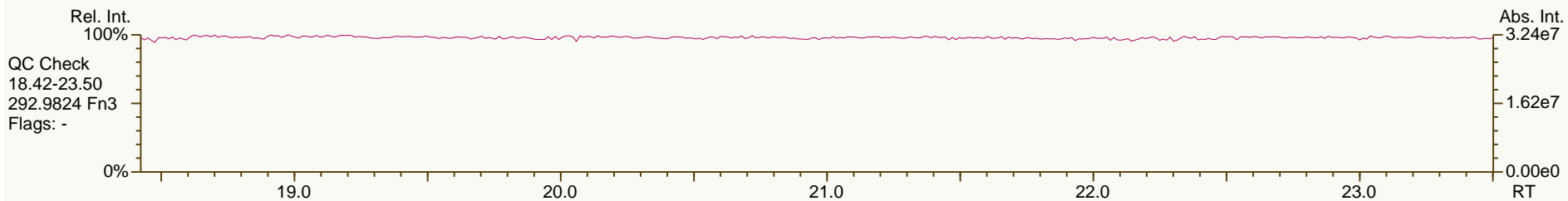
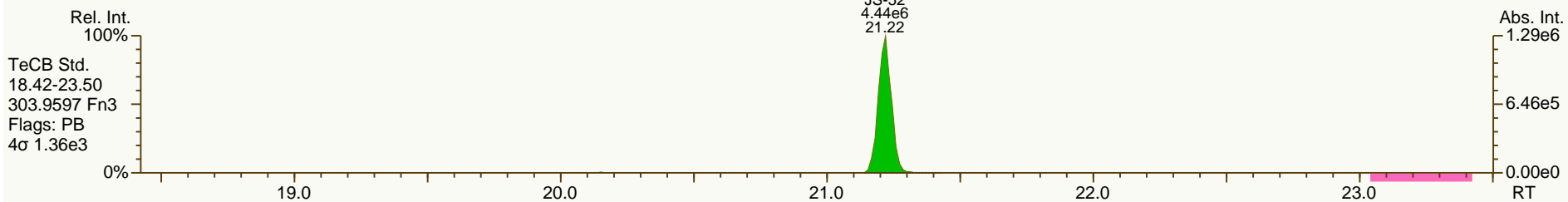
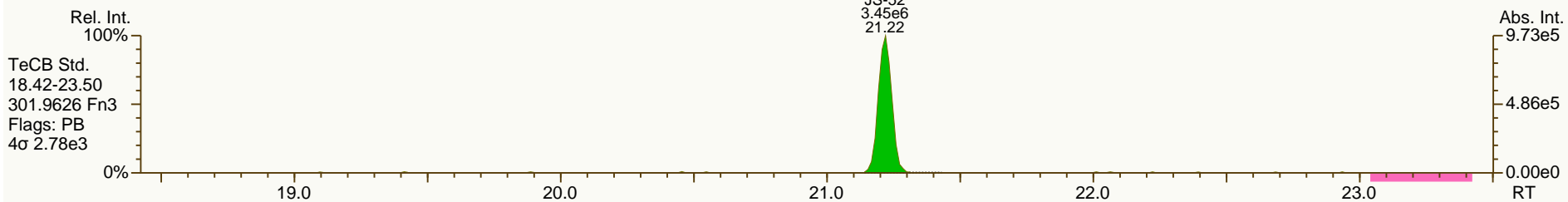
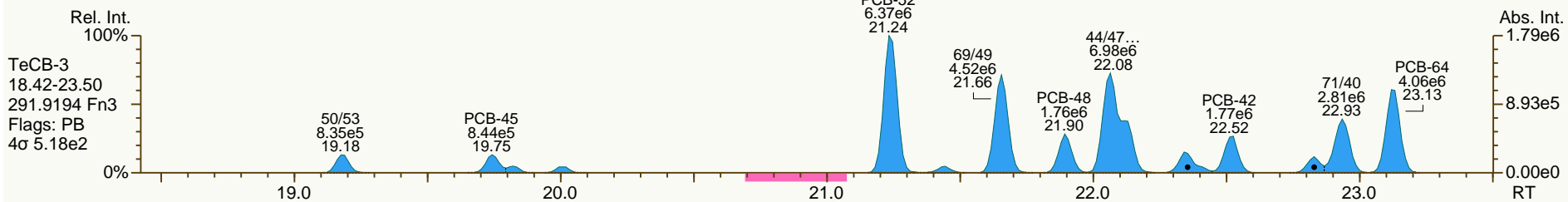
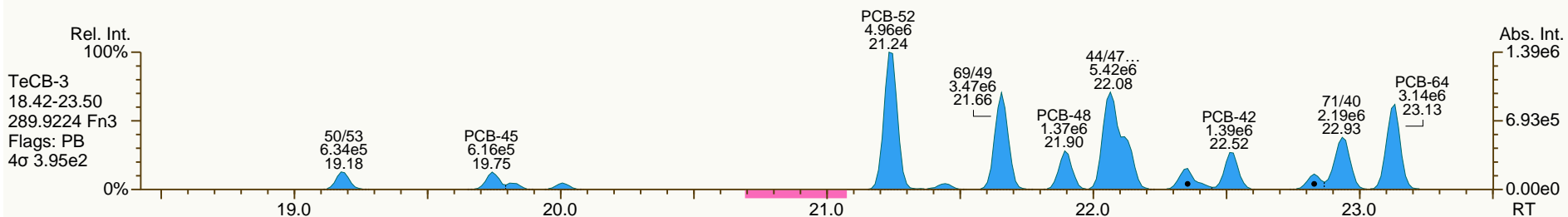
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

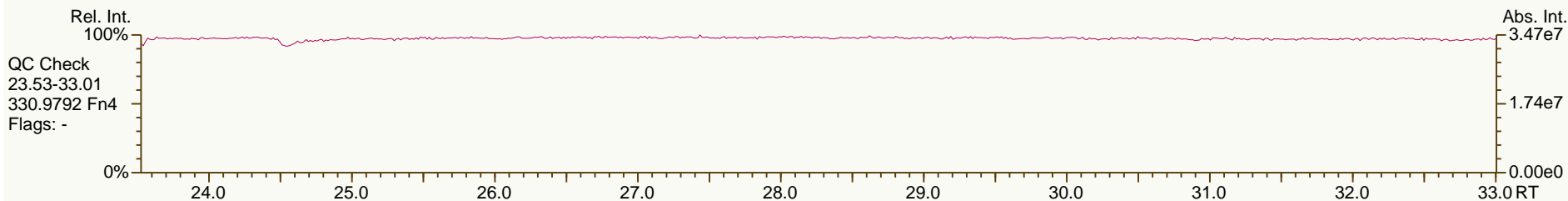
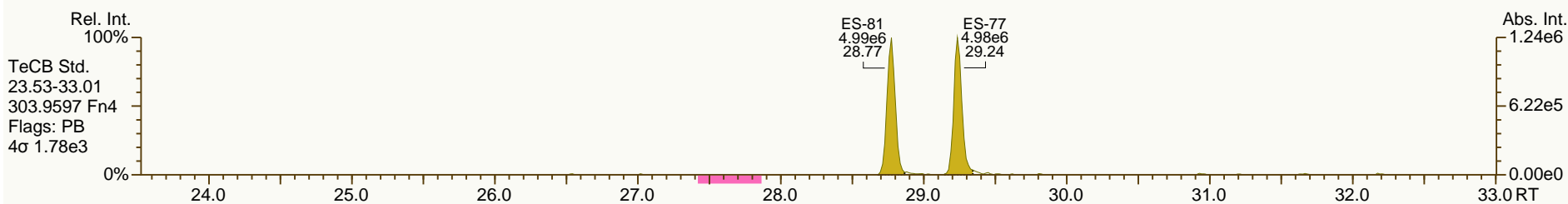
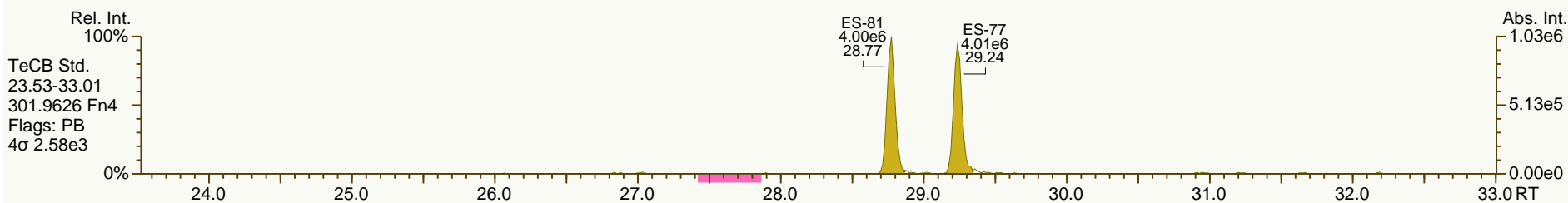
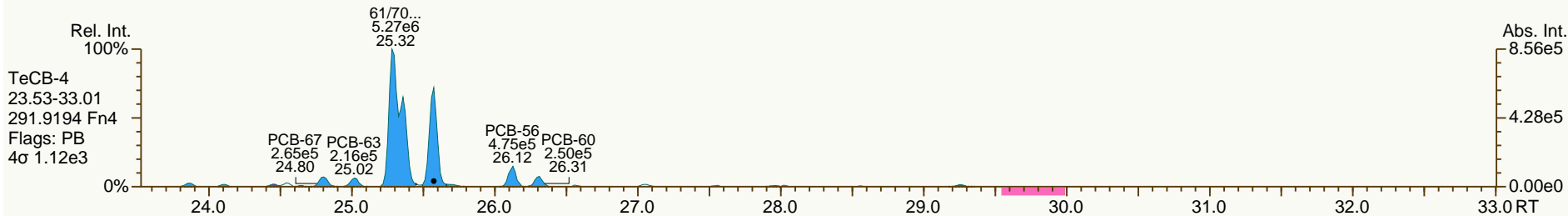
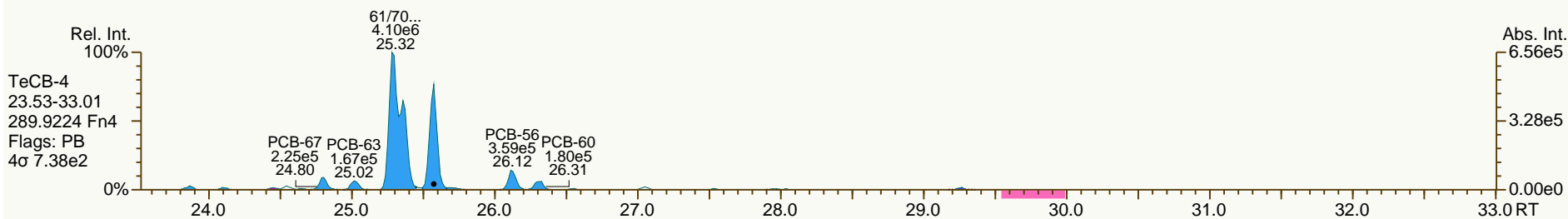
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

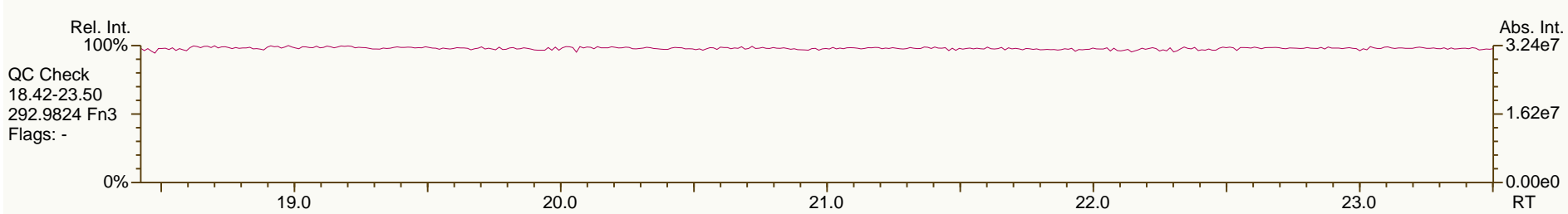
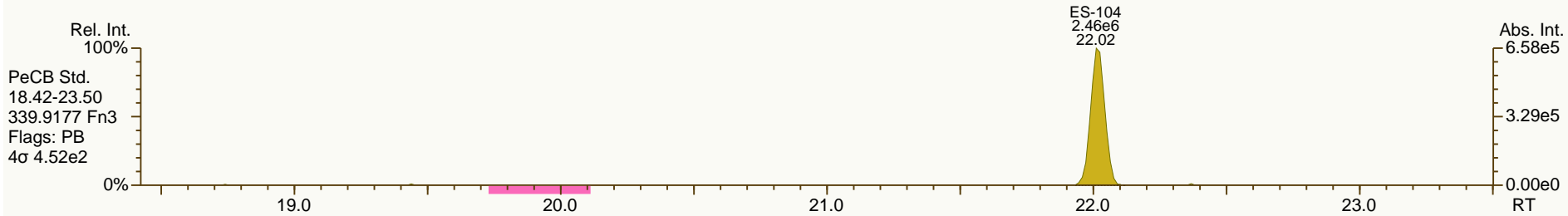
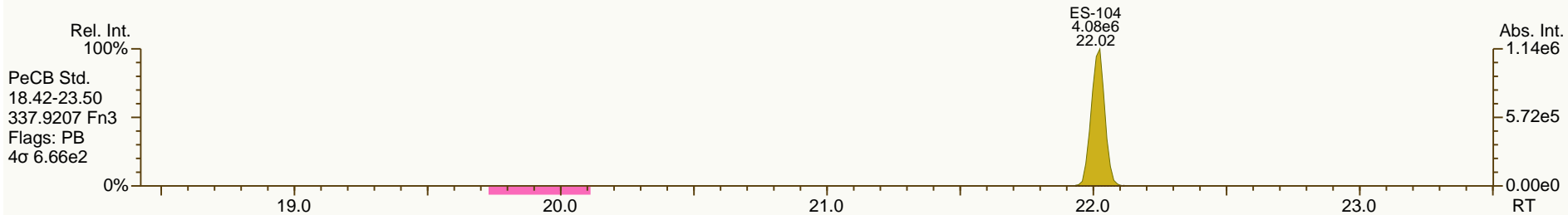
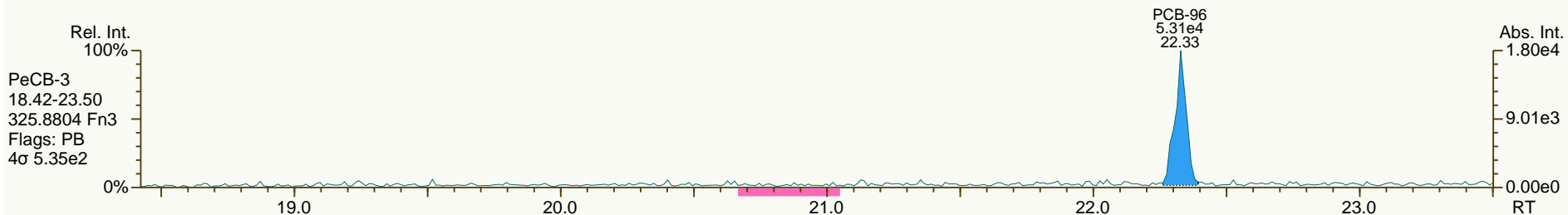
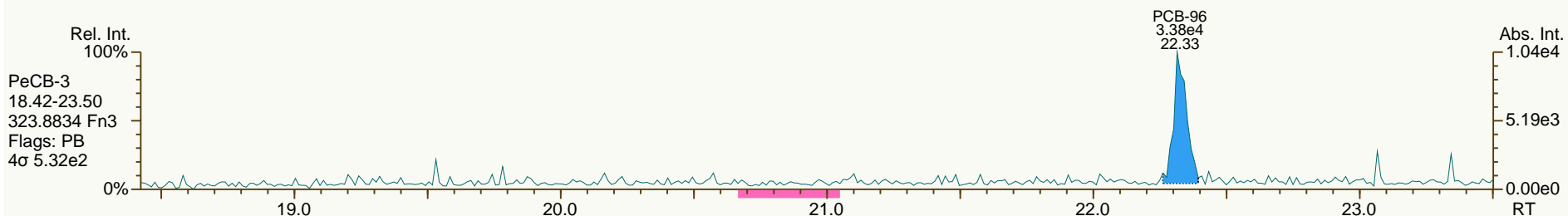
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

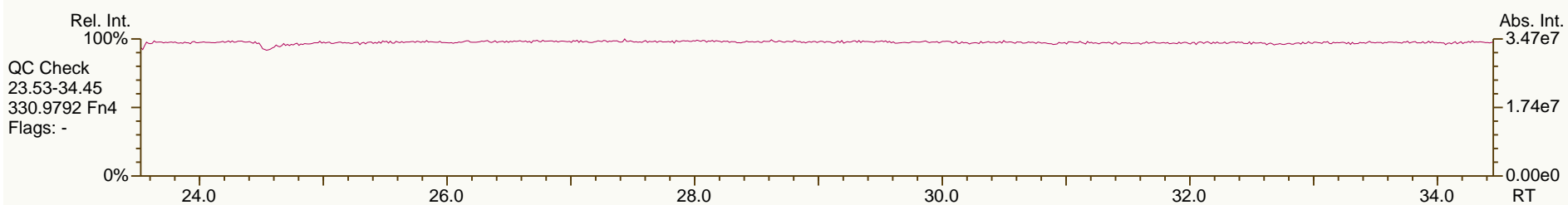
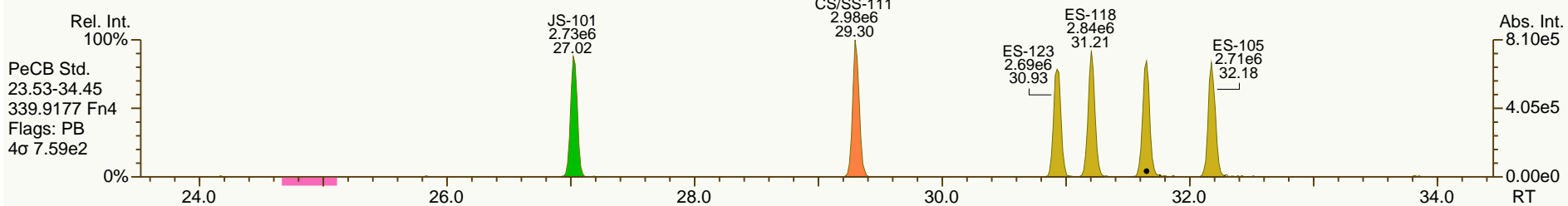
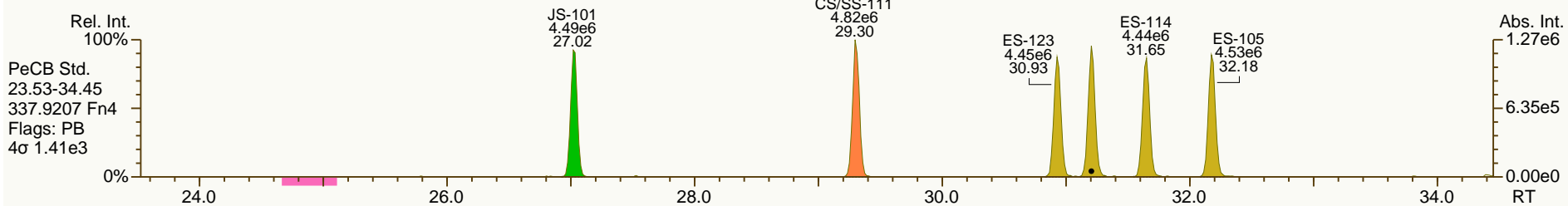
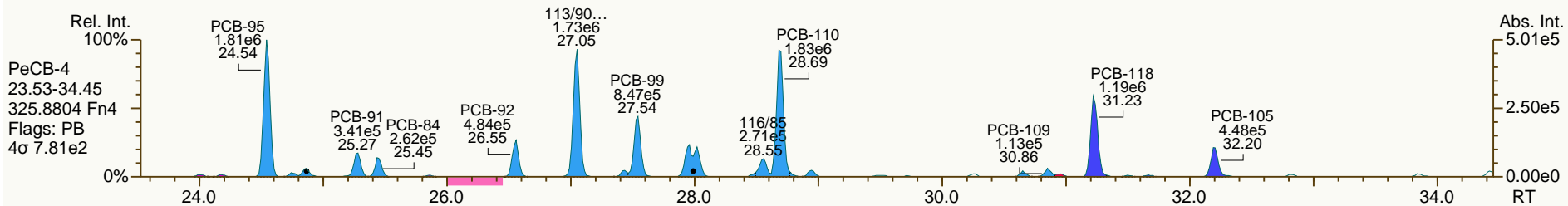
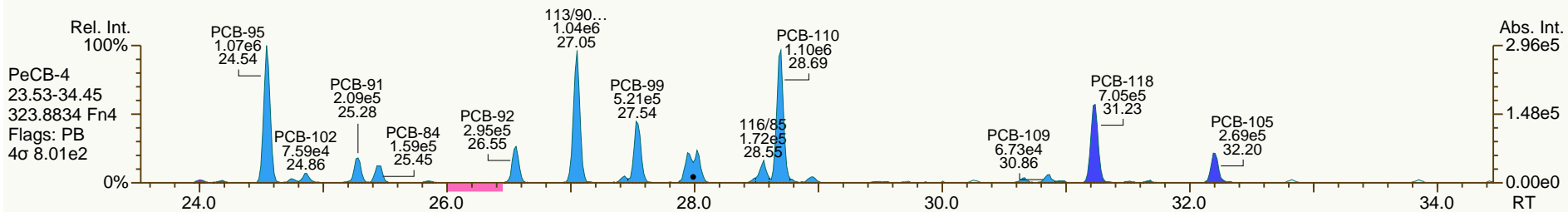
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

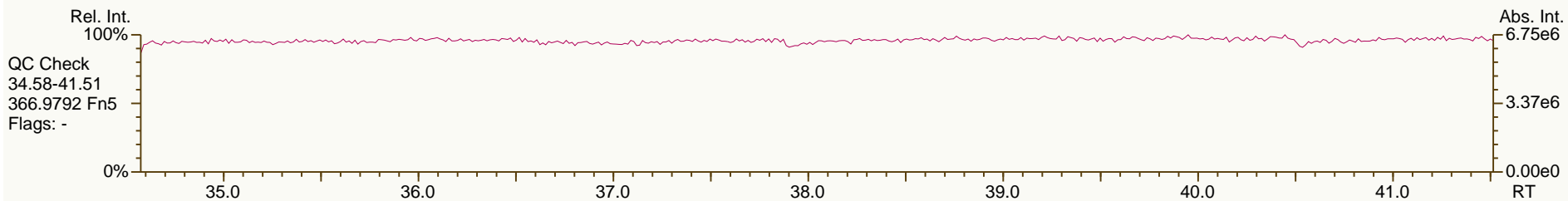
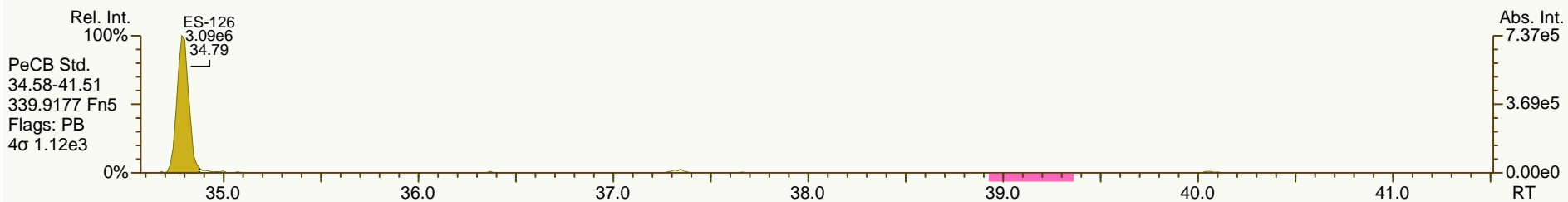
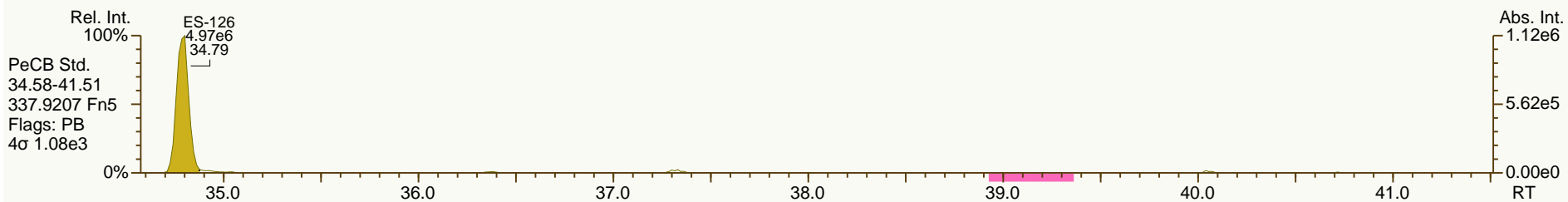
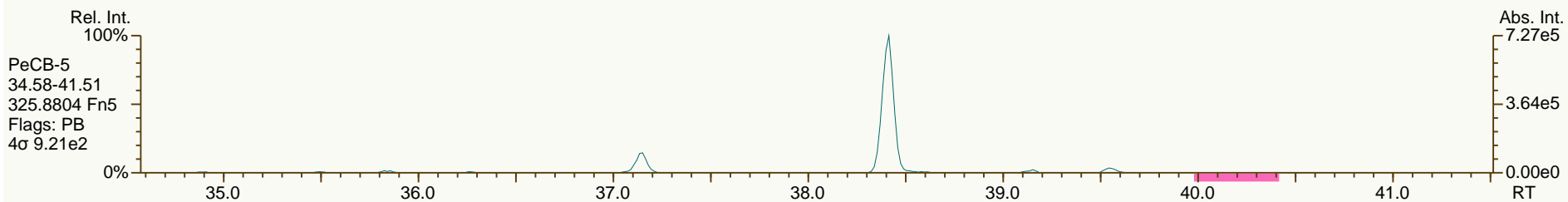
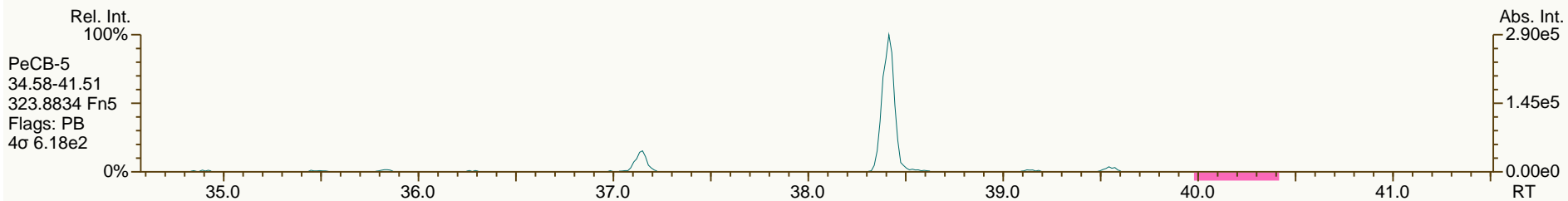
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

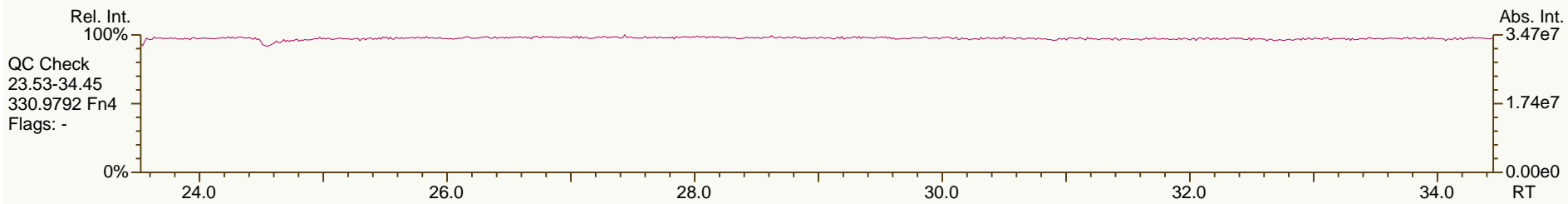
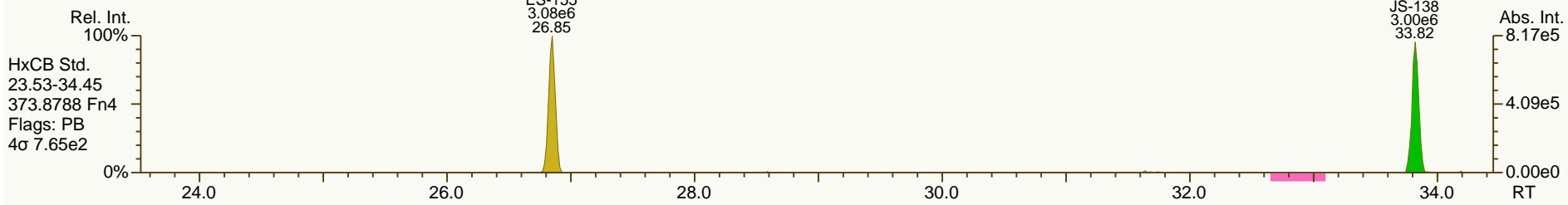
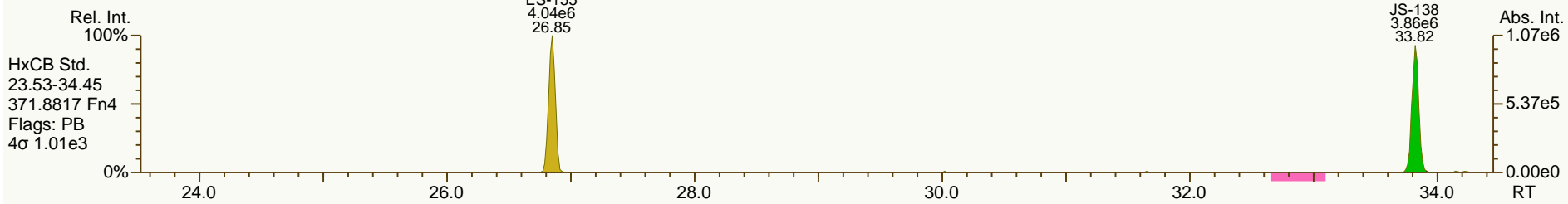
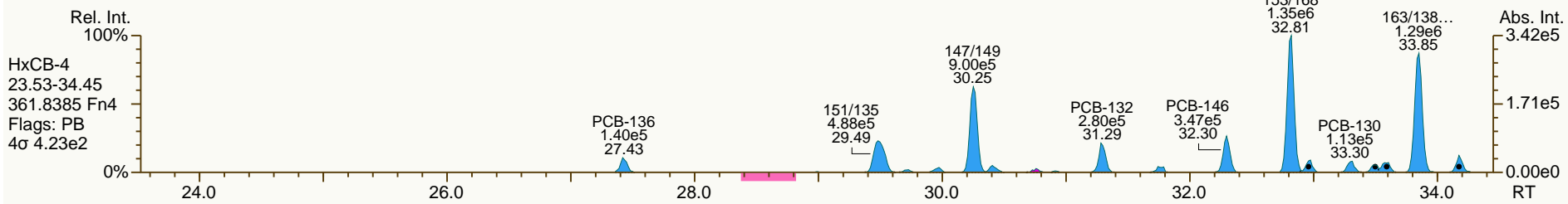
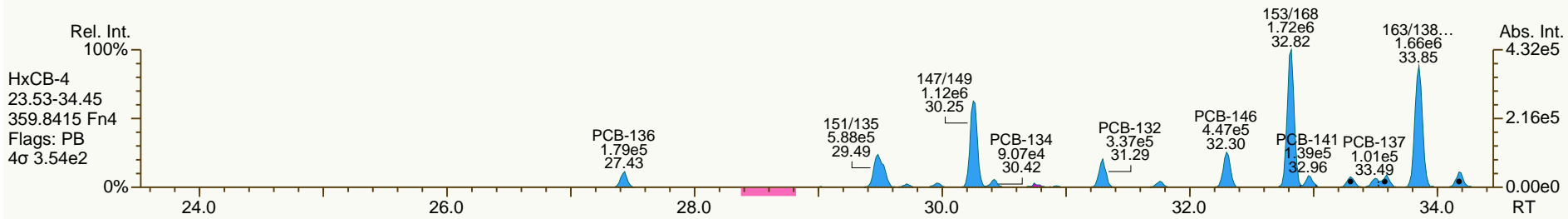
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

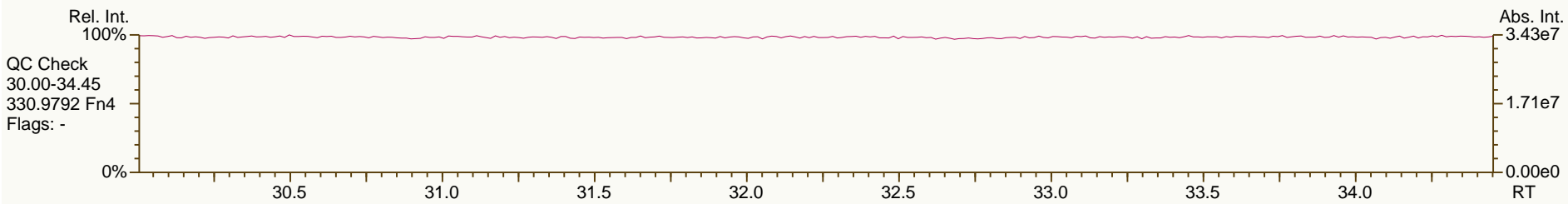
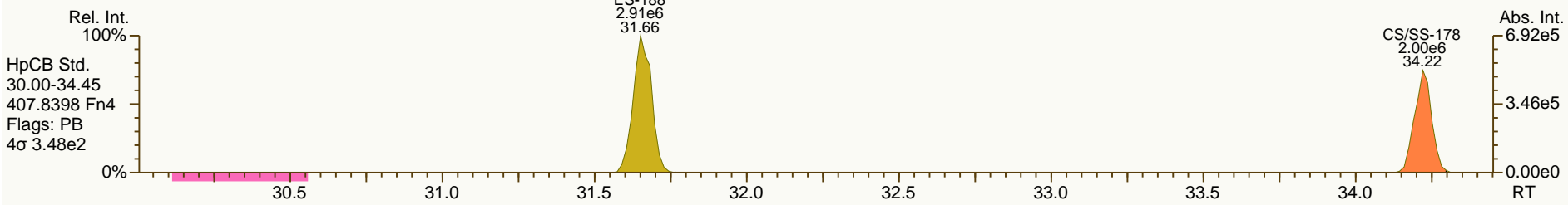
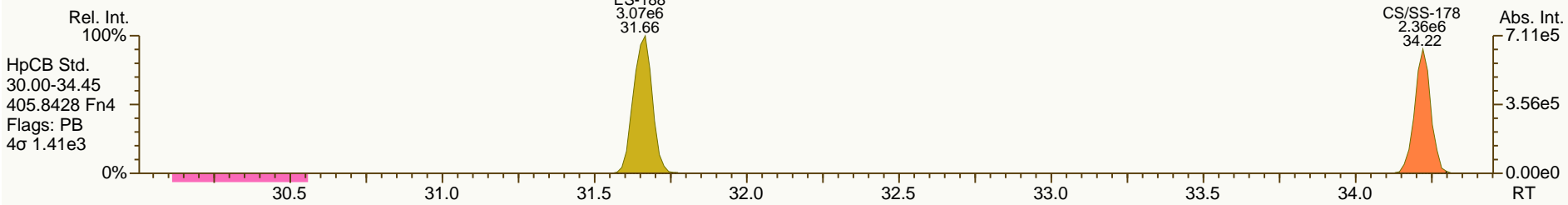
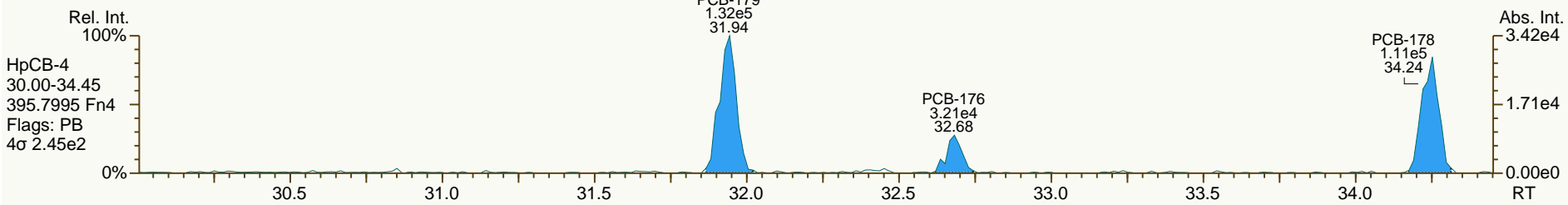
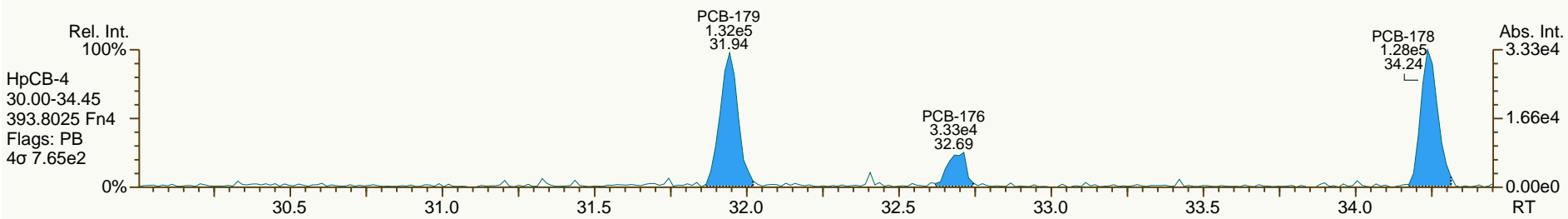
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

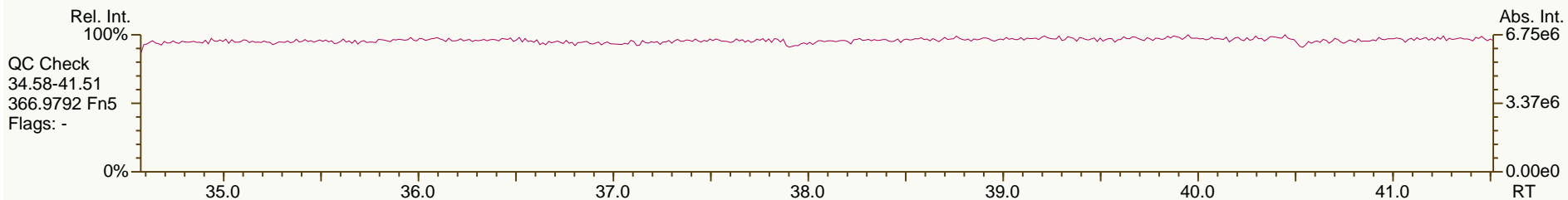
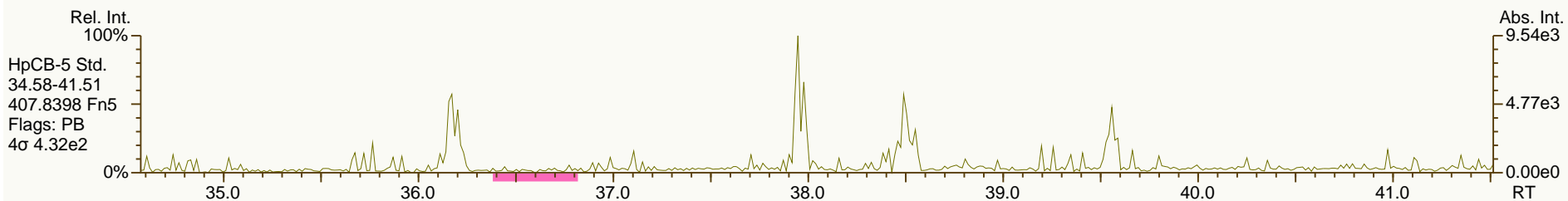
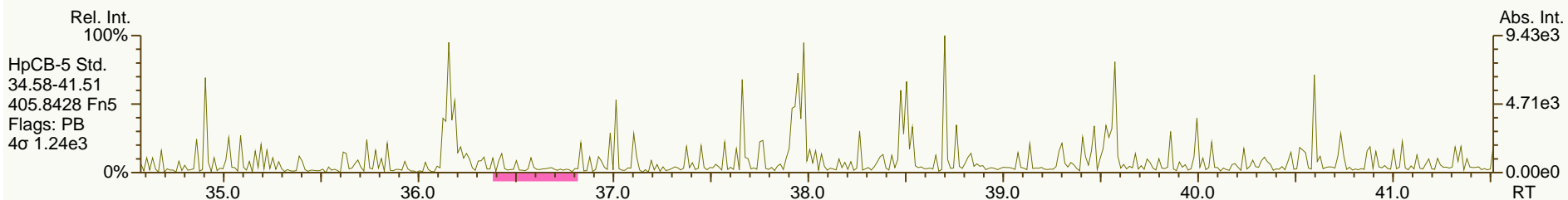
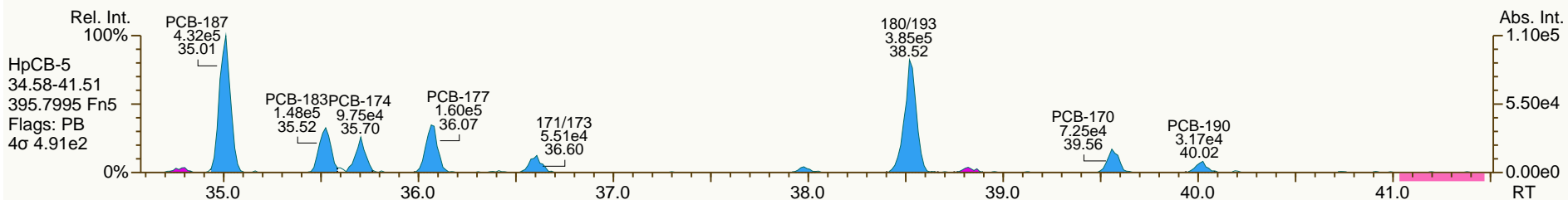
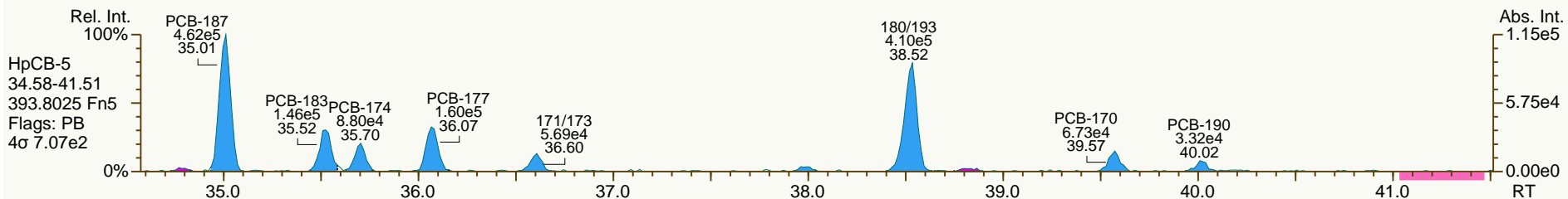
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

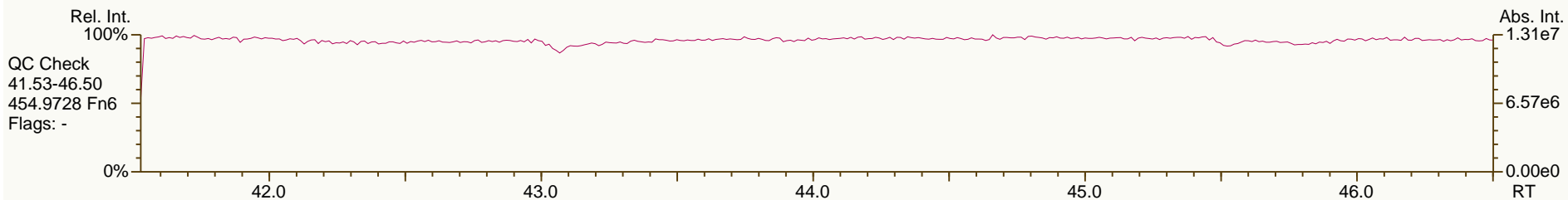
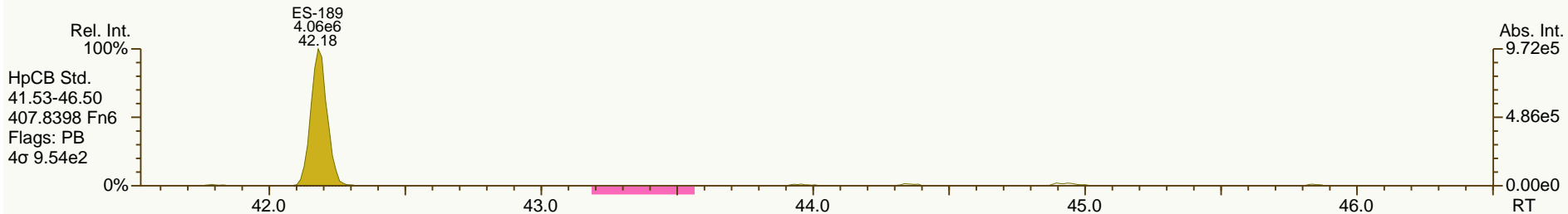
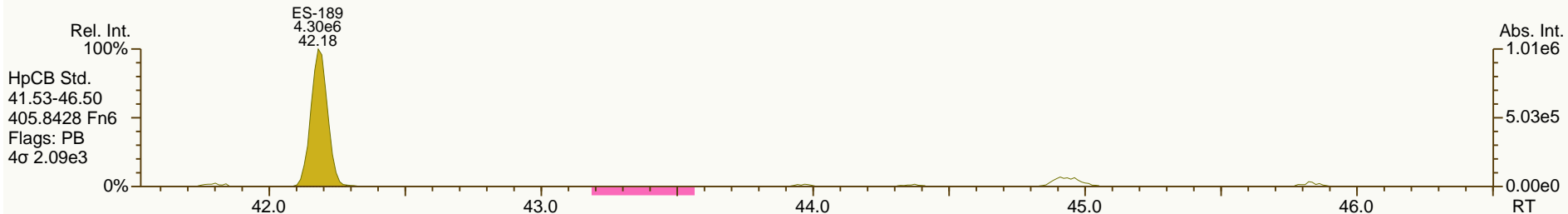
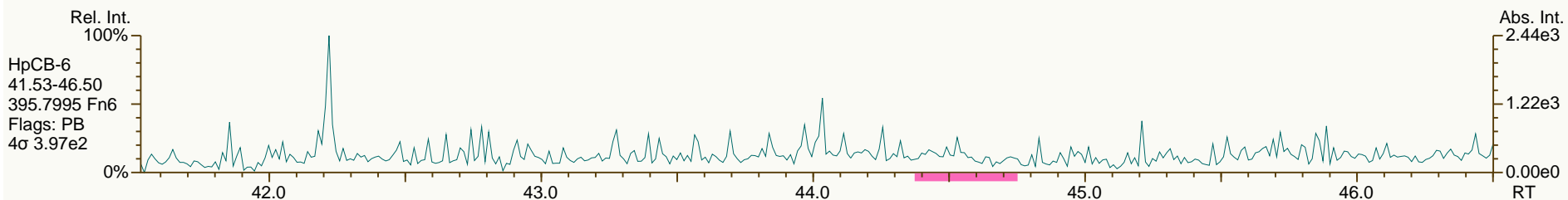
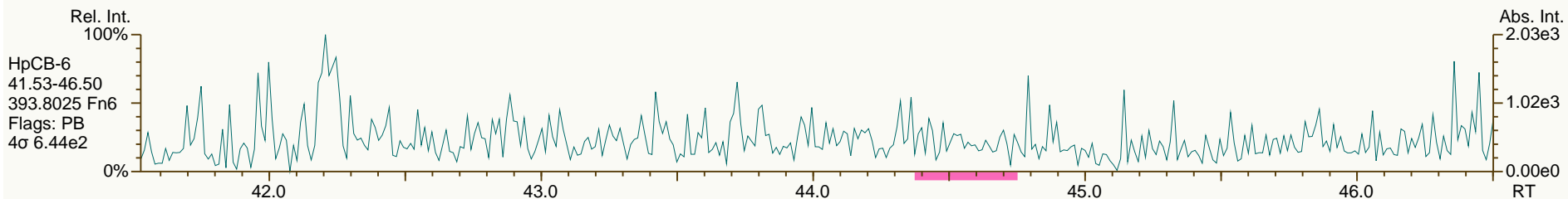
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

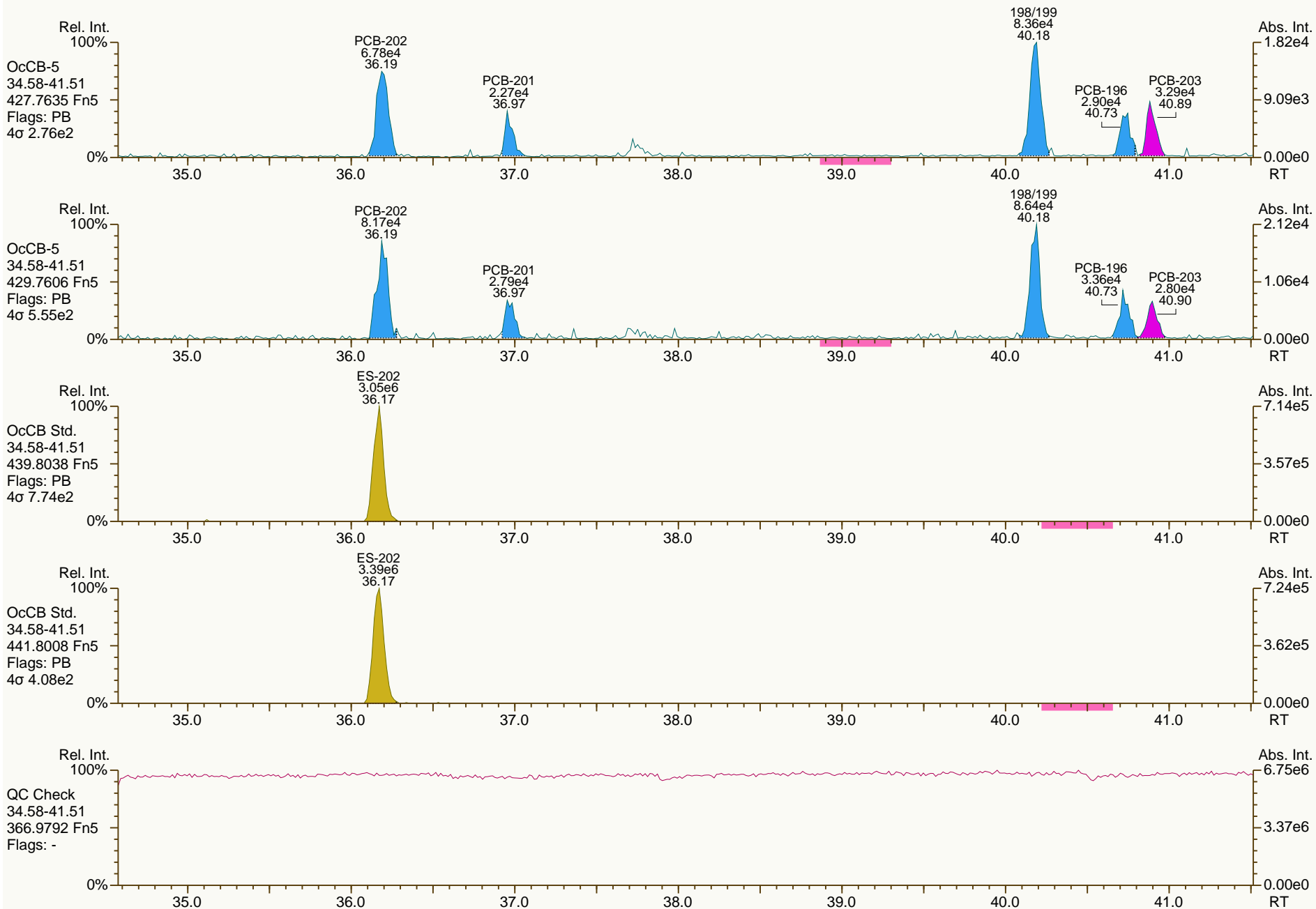
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

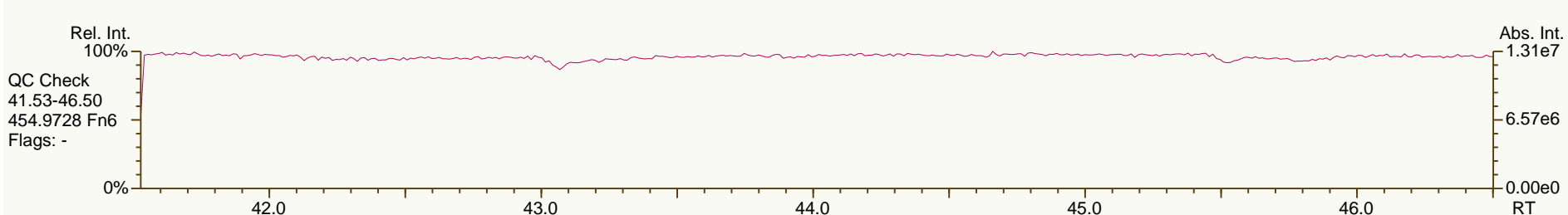
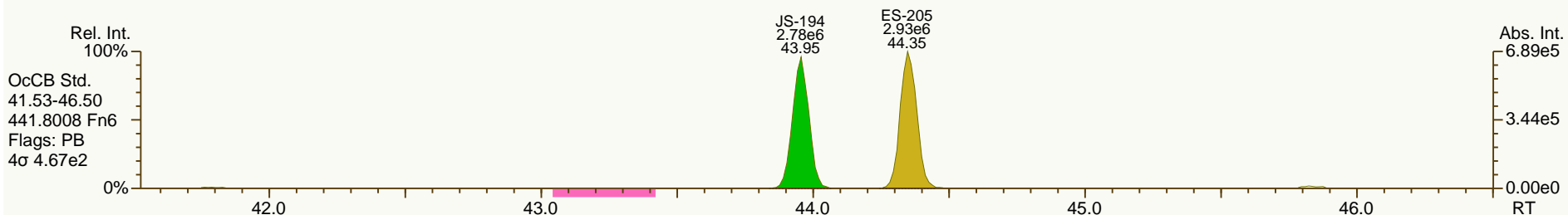
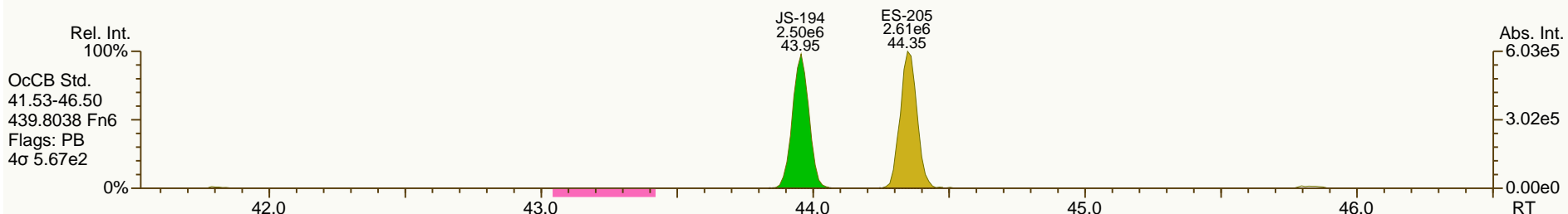
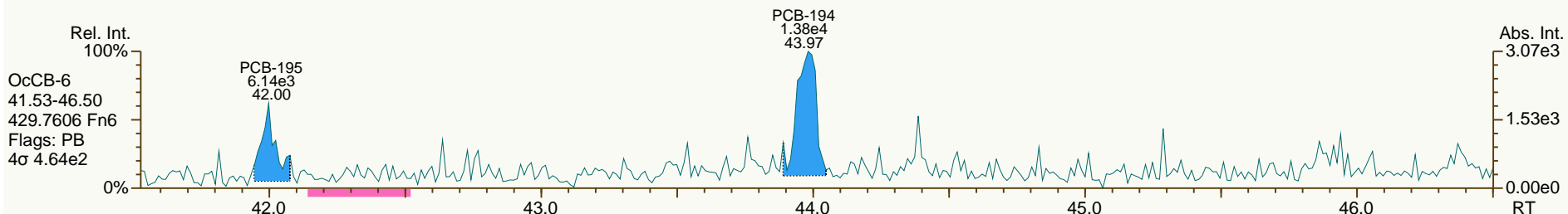
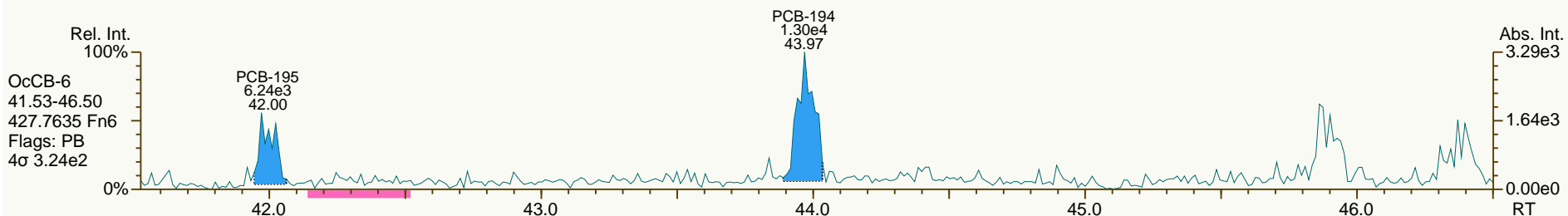
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

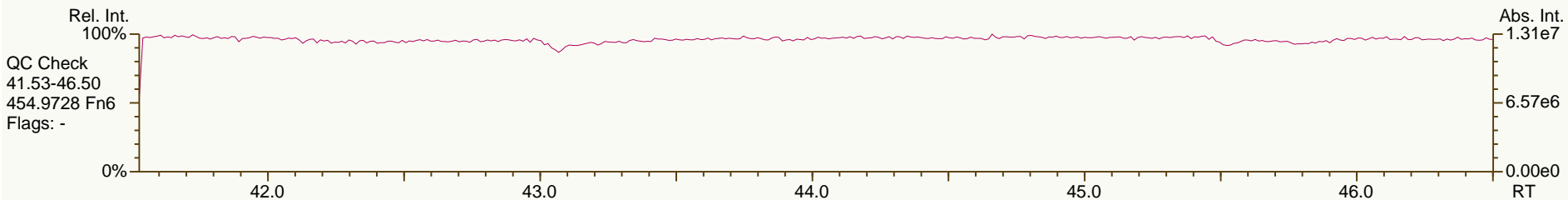
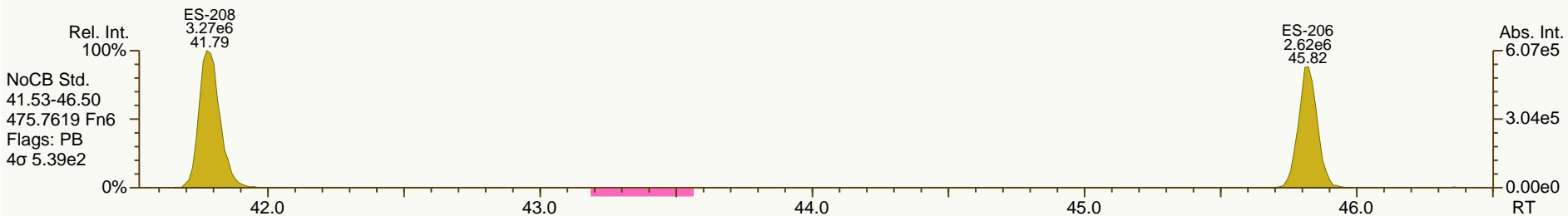
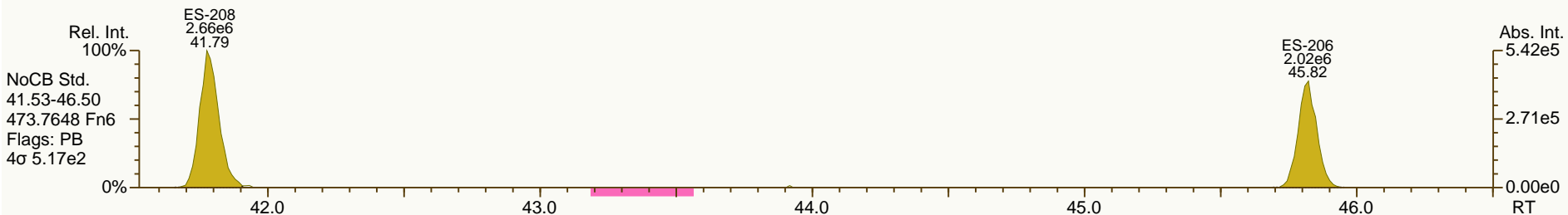
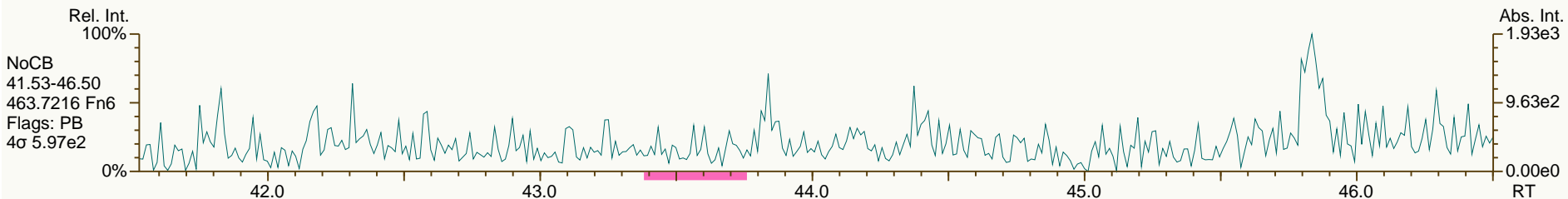
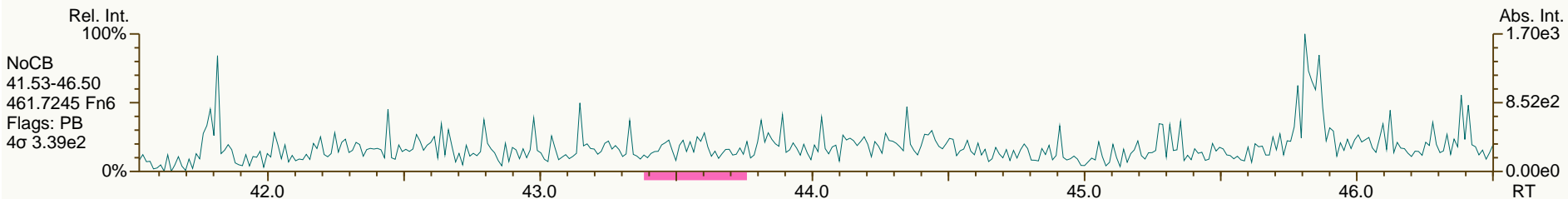
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

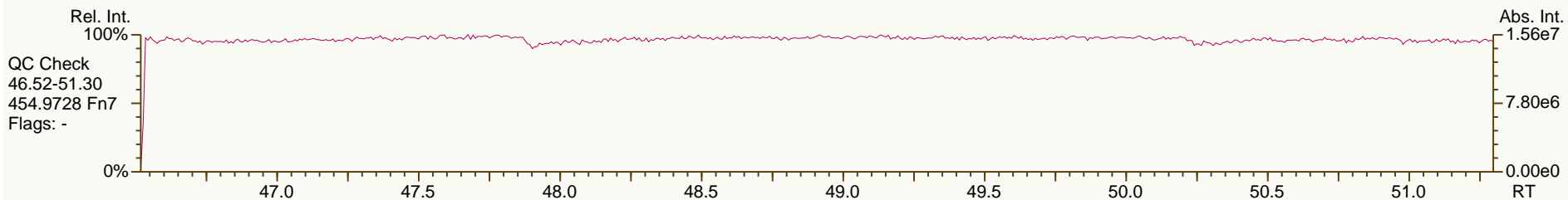
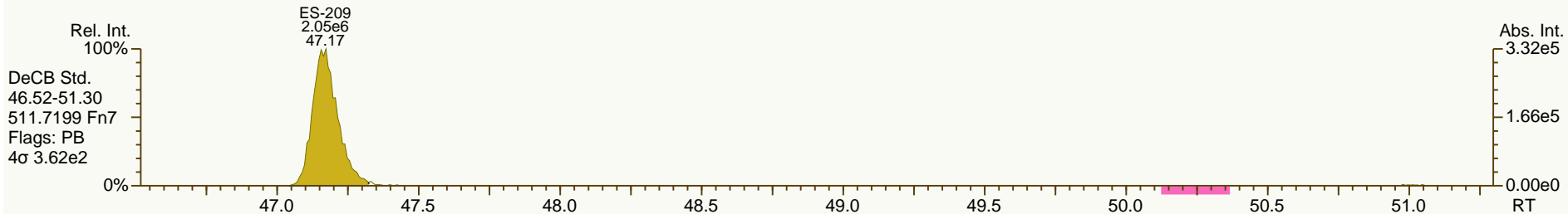
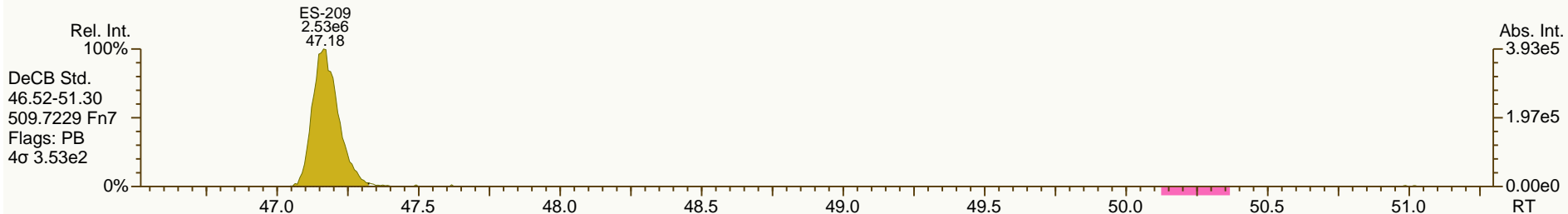
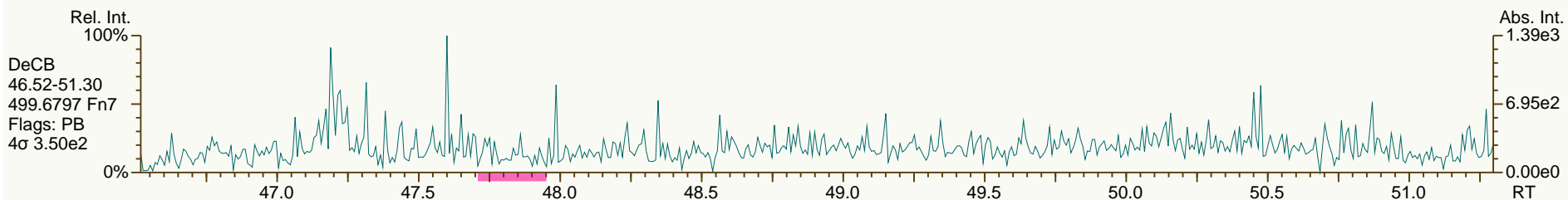
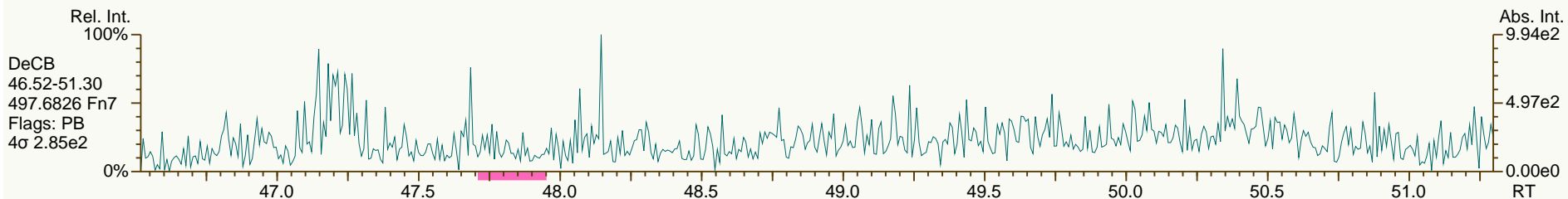
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

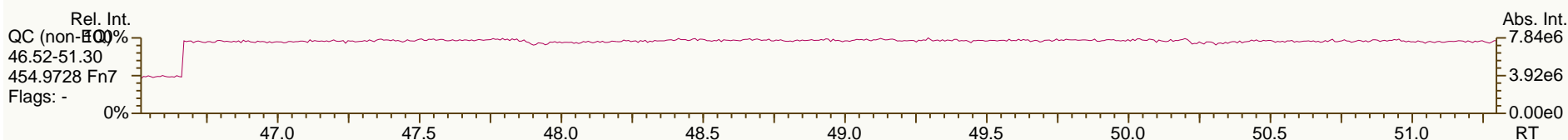
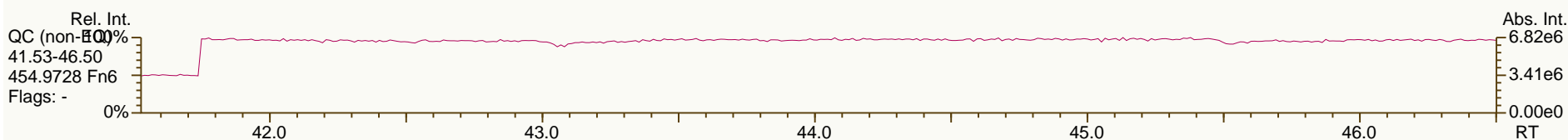
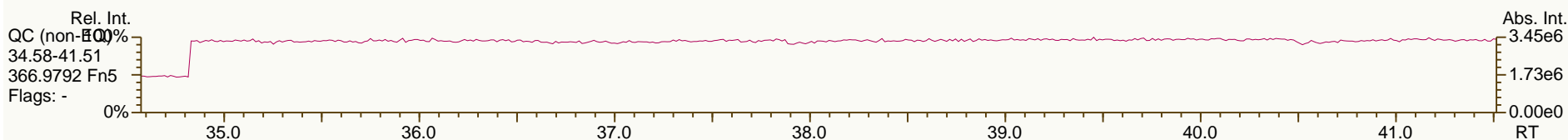
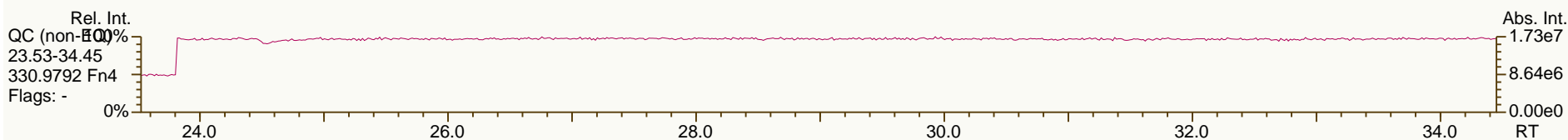
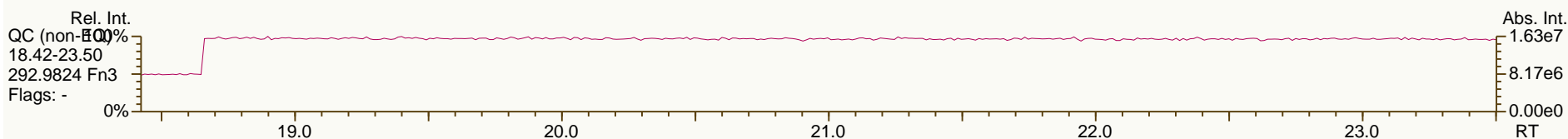
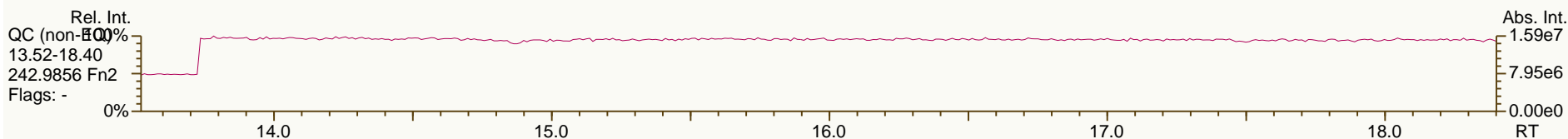
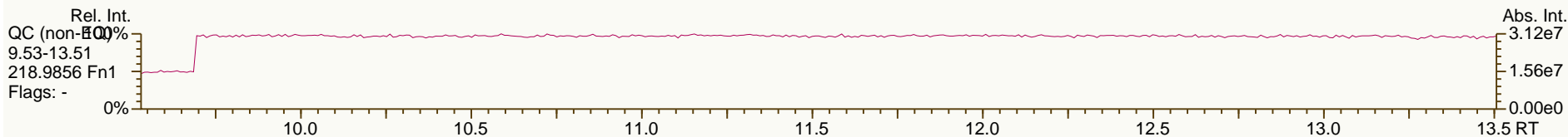
Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



Analytical Perspectives — Run Log

Project: A4369_9892_PCB

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
3	120703S03	15	CS3_120703_PCB_SC	1.00	M1668-RETCON S40-51	LKB	727-130	03-Jul-2012	14:13:08
4	120703S04	18	OPR1_9892_PCB	1.00	OPR #73563	LKB	544-407	03-Jul-2012	15:19:13
5	120703S05	3	SBS_120703_PCB_SA	1.00	SIL9-41-1	LKB	950-576	03-Jul-2012	16:12:21
6	120703S06	19	✓ MB1_9892_PCB_SDS	10.00	MB #73562	LKB	749-048	03-Jul-2012	17:07:28
7	120703S07	20	A4369_9892_PCB_001	11.02	JW-UR-TISSUE-120508	LKB	869-474	03-Jul-2012	18:02:27
8	120703S08	21	A4369_9892_PCB_002	10.70	JW-DR-TISSUE-120508	LKB	012-099	03-Jul-2012	18:57:31
9	120703S09	22	✓ A4369_9892_PCB_003	10.78	JW-RG-TISSUE-120508	LKB	181-066	03-Jul-2012	19:52:35
10	120703S10	23	A4369_9892_PCB_004	11.04	JW-E10-TISSUE-120516	LKB	719-616	03-Jul-2012	20:47:34
11	120703S11	24	A4369_9892_PCB_005	11.75	JW-EA01-TISSUE-120516	LKB	962-167	03-Jul-2012	21:42:38

✓ = manual calculation

REVIEWED

By Laura Boivin at 2:23 pm, Jul 06, 2012

REVIEWED

By Todd Vilen at 2:30 pm, Jul 09, 2012

PCB QC Summary		SGS Analytical Perspectives			Processed: 6-Jul-2012 13:28		
Lab ID:	CS3_120703_PCB_SC						
Acquired:	03-JUL-2012 14:13		ICAL: MM4_PCB_01102012_26JAN12				
Datafile:	120703S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.27	4.56E+06	0.75 Y	1.22	1.10	-9.8%	
PCB-81 344'5'-TeCB	28.80	4.45E+06	0.74 Y	1.24	1.08	-13.4%	
PCB-105 233'44'-PeCB	32.21	3.11E+06	0.61 Y	1.03	0.99	-3.8%	
PCB-114 2344'5'-PeCB	31.68	3.48E+06	0.62 Y	1.10	1.09	-0.2%	
PCB-118 23'44'5'-PeCB	31.24	3.42E+06	0.60 Y	1.03	1.01	-2.5%	
PCB-123 2'344'5'-PeCB	30.96	3.25E+06	0.62 Y	0.93	0.99	6.8%	
PCB-126 33'44'5'-PeCB	34.82	3.47E+06	0.60 Y	1.11	0.98	-12.1%	
PCB-156/157 233'44'5'/233'44'5'	37.36	6.11E+06	1.27 Y	1.05	1.05	0.7%	
PCB-167 23'44'55'-HxCB	36.40	3.22E+06	1.27 Y	1.08	1.11	3.0%	
PCB-169 33'44'55'-HxCB	40.08	2.79E+06	1.28 Y	1.04	0.97	-7.2%	
PCB-189 233'44'55'-HpCB	42.21	3.41E+06	1.03 Y	1.11	1.07	-3.2%	
PCB-209 DeCB	47.21	2.42E+06	1.17 Y	1.05	1.00	-5.1%	
ES PCB-1	9.85	1.37E+07	3.24 Y	1.01	1.01	-0.1%	
ES PCB-3	11.78	1.30E+07	3.33 Y	1.05	0.96	-8.8%	
ES PCB-4	11.99	8.07E+06	1.63 Y	0.70	0.60	-14.4%	
ES PCB-15	17.10	1.32E+07	1.63 Y	1.17	0.98	-16.5%	
ES PCB-19	14.69	7.38E+06	1.00 Y	0.57	0.55	-3.7%	
ES PCB-37	23.08	9.15E+06	1.04 Y	1.41	1.44	2.3%	
ES PCB-54	17.32	8.84E+06	0.78 Y	1.32	1.40	5.4%	
ES PCB-77	29.25	8.26E+06	0.81 Y	1.22	1.30	7.0%	
ES PCB-81	28.78	8.26E+06	0.78 Y	1.15	1.30	13.3%	
ES PCB-104	22.03	7.15E+06	1.63 Y	1.69	1.36	-19.5%	
ES PCB-105	32.19	6.30E+06	1.56 Y	1.21	1.20	-0.8%	
ES PCB-114	31.66	6.36E+06	1.56 Y	1.23	1.21	-2.0%	
ES PCB-118	31.22	6.78E+06	1.57 Y	1.25	1.29	3.4%	
ES PCB-123	30.94	6.59E+06	1.60 Y	1.33	1.25	-5.7%	
ES PCB-126	34.80	7.08E+06	1.64 Y	1.36	1.35	-0.9%	
ES PCB-153	-	-	-	-	-	-	
ES PCB-155	26.86	7.33E+06	1.28 Y	1.40	1.47	4.5%	
ES PCB-156/157	37.34	1.16E+07	1.32 Y	1.13	1.16	2.6%	
ES PCB-167	36.38	5.78E+06	1.29 Y	1.13	1.16	2.3%	
ES PCB-169	40.07	5.76E+06	1.30 Y	1.14	1.15	0.8%	
ES PCB-170	-	-	-	-	-	-	
ES PCB-180	-	-	-	-	-	-	
ES PCB-188	31.67	5.63E+06	1.05 Y	1.34	1.13	-16.0%	
ES PCB-189	42.20	6.34E+06	1.07 Y	1.77	1.65	-6.6%	
ES PCB-202	36.18	5.88E+06	0.89 Y	1.27	1.18	-7.5%	
ES PCB-205	44.36	5.43E+06	0.89 Y	1.25	1.41	13.0%	
ES PCB-206	45.83	4.44E+06	0.78 Y	1.07	1.15	8.0%	
ES PCB-208	41.80	5.14E+06	0.75 Y	1.34	1.34	-0.1%	
ES PCB-209	47.19	4.86E+06	1.16 Y	1.18	1.26	6.7%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 6-Jul-2012 13:28		
Lab ID:	CS3_120703_PCB_SC	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	03-JUL-2012 14:13						
Datafile:	120703S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.69	1.06E+07	1.08 Y	0.98	1.16	18.4%	
SS PCB-111	29.32	7.13E+06	1.63 Y	0.90	1.08	20.5%	
SS PCB-178	34.23	4.17E+06	1.08 Y	0.65	0.74	14.3%	
CS PCB-28	19.69	1.06E+07	1.08 Y	1.39	1.68	21.2%	
CS PCB-111	29.32	7.13E+06	1.63 Y	1.19	1.35	13.7%	
CS PCB-178	34.23	4.17E+06	1.08 Y	0.87	0.83	-4.0%	
JS PCB-9	13.73	1.35E+07	1.62 Y		-	-	
JS PCB-52	21.24	6.34E+06	0.75 Y		-	-	
JS PCB-101	27.04	5.27E+06	1.56 Y		-	-	
JS PCB-138	33.83	5.00E+06	1.30 Y		-	-	
JS PCB-194	43.96	3.85E+06	0.87 Y		-	-	
PCB-1 2-MoCB	9.86	7.82E+06	3.21 Y	1.20	1.14	-4.5%	
PCB-3 4-MoCB	11.80	7.35E+06	3.19 Y	1.13	1.13	0.2%	
PCB-4 22'-DiCB	12.00	4.32E+06	1.47 Y	0.94	1.07	13.2%	
PCB-15 44'-DiCB	17.11	6.70E+06	1.46 Y	1.01	1.01	0.8%	
PCB-19 22'6'-TrCB	14.70	3.52E+06	1.01 Y	1.01	0.95	-5.6%	
PCB-37 344'-TrCB	23.10	5.37E+06	1.02 Y	1.20	1.17	-2.0%	
PCB-54 22'66'-TeCB	17.34	4.02E+06	0.77 Y	0.93	0.91	-2.4%	
PCB-104 22'466'-PeCB	22.05	3.71E+06	0.65 Y	0.92	1.04	13.2%	
PCB-155 22'44'66'-HxCB	26.88	3.90E+06	1.23 Y	1.06	1.06	0.8%	
PCB-188 22'34'566'-HpCB	31.69	3.29E+06	1.06 Y	1.07	1.17	9.6%	
PCB-202 22'33'55'66'-OcCB	36.20	2.49E+06	0.92 Y	0.83	0.85	2.4%	
PCB-205 233'44'55'6'-OcCB	44.38	2.50E+06	0.89 Y	1.09	0.92	-15.7%	
PCB-208 22'33'455'66'-NoCB	41.82	2.38E+06	0.77 Y	0.98	0.93	-5.1%	
PCB-206 22'33'44'55'6'-NoCB	45.85	1.91E+06	0.76 Y	0.93	0.86	-7.7%	

PCB QC Summary - Ax2 Detail				Processed: 6-Jul-2012 13:28			
Lab ID:	CS3_120703_PCB_SC	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	03-JUL-2012 14:13						
Datafile:	120703S03						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	9.86	7.82E+06	3.21 Y	1.20	-	-	
PCB-2 3-MoCB	11.64	7.42E+06	3.18 Y	1.13	1.14	1.2%	
PCB-3 4-MoCB	11.80	7.35E+06	3.19 Y	1.13	-	-	
PCB-4 22'-DiCB	12.00	4.32E+06	1.47 Y	0.94	-	-	
PCB-10 26'-DiCB	12.16	6.73E+06	1.41 Y	1.43	1.67	16.5%	
PCB-9 25'-DiCB	13.74	5.88E+06	1.48 Y	0.87	0.89	2.4%	
PCB-7 24'-DiCB	13.89	6.92E+06	1.43 Y	1.00	1.05	4.4%	
PCB-6 23'-DiCB	14.09	6.33E+06	1.49 Y	0.94	0.96	2.0%	
PCB-5 23'-DiCB	14.35	6.21E+06	1.48 Y	0.92	0.94	2.0%	
PCB-8 24'-DiCB	14.46	6.67E+06	1.46 Y	0.95	1.01	6.3%	
PCB-14 35'-DiCB	15.88	7.28E+06	1.48 Y	1.09	1.10	0.6%	
PCB-11 33'-DiCB	16.59	6.20E+06	1.46 Y	0.98	0.94	-3.9%	
PCB-13/12 34'-/34'-DiCB	16.85	1.25E+07	1.51 Y	0.97	0.94	-2.8%	
PCB-15 44'-DiCB	17.11	6.70E+06	1.46 Y	1.01	-	-	
PCB-19 22'6'-TrCB	14.70	3.52E+06	1.01 Y	1.01	-	-	
PCB-30/18 246-/22'5'-TrCB	16.32	9.05E+06	1.04 Y	1.29	1.23	-5.1%	
PCB-17 22'4'-TrCB	16.68	3.86E+06	1.05 Y	1.14	1.05	-7.9%	
PCB-27 23'6'-TrCB	16.86	5.08E+06	1.04 Y	1.48	1.38	-7.2%	
PCB-24 236'-TrCB	16.97	4.81E+06	1.02 Y	1.43	1.30	-9.0%	
PCB-16 22'3'-TrCB	17.05	3.15E+06	1.03 Y	0.89	0.85	-4.6%	
PCB-32 24'6'-TrCB	17.51	5.41E+06	1.05 Y	1.56	1.46	-6.0%	
PCB-34 2'35'-TrCB	18.60	5.67E+06	1.04 Y	1.18	1.24	5.2%	
PCB-23 235'-TrCB	18.74	5.84E+06	1.03 Y	1.19	1.27	7.6%	
PCB-26/29 23'5'-/245'-TrCB	19.01	1.18E+07	1.02 Y	1.20	1.29	7.4%	
PCB-25 23'4'-TrCB	19.19	5.89E+06	1.03 Y	1.19	1.29	8.1%	
PCB-31 24'5'-TrCB	19.45	6.07E+06	1.05 Y	1.23	1.33	8.2%	
PCB-28/20 244'-/233'-TrCB	19.71	1.15E+07	1.04 Y	1.18	1.26	6.6%	
PCB-21/33 234'-/2'34'-TrCB	19.87	1.20E+07	1.04 Y	1.21	1.31	7.6%	
PCB-22 234'-TrCB	20.23	5.56E+06	1.04 Y	1.11	1.21	8.9%	
PCB-36 33'5'-TrCB	21.58	5.76E+06	1.05 Y	1.21	1.26	3.7%	
PCB-39 34'5'-TrCB	21.88	6.04E+06	1.05 Y	1.32	1.32	0.1%	
PCB-38 345'-TrCB	22.37	5.40E+06	1.04 Y	1.15	1.18	2.2%	
PCB-35 33'4'-TrCB	22.75	5.26E+06	1.06 Y	1.13	1.15	1.4%	
PCB-37 344'-TrCB	23.10	5.37E+06	1.02 Y	1.20	-	-	
PCB-54 22'66'-TeCB	17.34	4.02E+06	0.77 Y	0.93	-	-	
PCB-50/53 22'46-/22'56'-TeCB	19.22	6.83E+06	0.76 Y	0.83	0.83	-0.7%	
PCB-45 22'36'-TeCB	19.76	2.81E+06	0.79 Y	0.71	0.68	-3.7%	
PCB-51 22'46'-TeCB	19.84	3.47E+06	0.77 Y	0.88	0.84	-4.5%	
PCB-46 22'36'-TeCB	20.02	2.80E+06	0.77 Y	0.69	0.68	-2.3%	
PCB-52 22'55'-TeCB	21.26	3.13E+06	0.76 Y	0.80	0.76	-5.7%	
PCB-73 23'5'6TeCB	21.38	4.02E+06	0.76 Y	1.03	0.97	-5.9%	

Lab ID: - Ax2 Detail		Processed: 6-Jul-2012 13:28					
Lab ID:	CS3_120703_PCB_SC	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	03-JUL-2012 14:13						
Datafile:	120703S03						
Name	RT	Response	RA		RRF		
PCB-43 22'35'-TeCB	21.46	2.91E+06	0.78 Y	0.71	0.70	-0.2%	
PCB-69/49 23'46'-/22'45'TeCB	21.65	7.73E+06	0.77 Y	0.96	0.94	-2.5%	
PCB-48 22'45'-TeCB	21.91	3.17E+06	0.77 Y	0.84	0.77	-8.3%	
PCB-44/47/65 22'35'-/22'44'-	22.12	1.03E+07	0.78 Y	0.86	0.83	-3.3%	
PCB-59/62/75 233'6-/2346-/24	22.38	1.31E+07	0.77 Y	1.09	1.06	-2.9%	
PCB-42 22'34'-TeCB	22.54	2.97E+06	0.75 Y	0.77	0.72	-6.2%	
PCB-41 22'34'-TeCB	22.84	2.64E+06	0.77 Y	0.73	0.64	-11.9%	
PCB-71/40 23'4'6/22'33'-TeCB	22.94	6.62E+06	0.80 Y	0.81	0.80	-1.6%	
PCB-64 234'6'-TeCB	23.14	4.53E+06	0.77 Y	1.17	1.10	-6.0%	
PCB-72 23'55'-TeCB	23.88	4.63E+06	0.78 Y	1.25	1.12	-10.5%	
PCB-68 23'45'-TeCB	24.12	5.04E+06	0.74 Y	1.36	1.22	-10.5%	
PCB-57 233'5'-TeCB	24.47	4.52E+06	0.75 Y	1.22	1.09	-10.6%	
PCB-58 233'5'-TeCB	24.66	4.59E+06	0.76 Y	1.26	1.11	-11.5%	
PCB-67 23'45'-TeCB	24.81	4.85E+06	0.77 Y	1.27	1.17	-7.8%	
PCB-63 234'5'-TeCB	25.03	5.05E+06	0.75 Y	1.34	1.22	-8.5%	
PCB-61/70/74/76 2345-/23'4'5	25.31	1.87E+07	0.75 Y	1.24	1.13	-9.0%	
PCB-66 23'44'-TeCB	25.58	4.38E+06	0.75 Y	1.19	1.06	-10.7%	
PCB-55 233'4'-TeCB	25.71	4.52E+06	0.76 Y	1.22	1.09	-10.2%	
PCB-56 233'4'-TeCB	26.14	4.39E+06	0.75 Y	1.18	1.06	-9.9%	
PCB-60 2344'-TeCB	26.32	4.51E+06	0.76 Y	1.24	1.09	-11.9%	
PCB-80 33'55'-TeCB	26.70	5.07E+06	0.76 Y	1.37	1.23	-10.6%	
PCB-79 33'45'-TeCB	27.97	4.99E+06	0.77 Y	1.37	1.21	-11.9%	
PCB-78 33'45'-TeCB	28.44	4.20E+06	0.76 Y	1.19	1.02	-14.9%	
PCB-104 22'466'-PeCB	22.05	3.71E+06	0.65 Y	0.92	-	-	
PCB-96 22'366'-PeCB	22.34	3.18E+06	0.65 Y	0.81	0.89	10.0%	
PCB-103 22'45'6'-PeCB	24.02	2.72E+06	0.61 Y	0.78	0.83	6.5%	
PCB-94 22'356'-PeCB	24.19	2.37E+06	0.61 Y	0.71	0.72	1.2%	
PCB-95 22'35'6'-PeCB	24.56	2.48E+06	0.60 Y	0.74	0.75	1.4%	
PCB-100/93 22'44'6-/22'356-P	24.76	5.07E+06	0.60 Y	0.75	0.77	3.1%	
PCB-102 22'456'-PeCB	24.87	2.90E+06	0.60 Y	0.75	0.88	17.5%	
PCB-98 22'3'46'-PeCB	24.94	2.23E+06	0.61 Y	0.71	0.68	-4.6%	
PCB-88 22'346'-PeCB	25.22	2.23E+06	0.59 Y	0.66	0.68	1.8%	
PCB-91 22'34'6'-PeCB	25.29	2.79E+06	0.61 Y	0.84	0.85	1.0%	
PCB-84 22'33'6'-PeCB	25.46	2.16E+06	0.60 Y	0.65	0.66	1.0%	
PCB-89 22'346'-PeCB	25.87	2.26E+06	0.60 Y	0.69	0.68	-0.3%	
PCB-121 23'45'6'-PeCB	26.27	3.32E+06	0.60 Y	0.98	1.01	2.4%	
PCB-92 22'355'-PeCB	26.57	2.34E+06	0.61 Y	0.72	0.71	-0.6%	
PCB-113/90/101 233'5'6-/22'3	27.04	8.49E+06	0.61 Y	0.81	0.86	6.3%	
PCB-83 22'33'5'-PeCB	27.44	2.04E+06	0.61 Y	0.62	0.62	-0.5%	

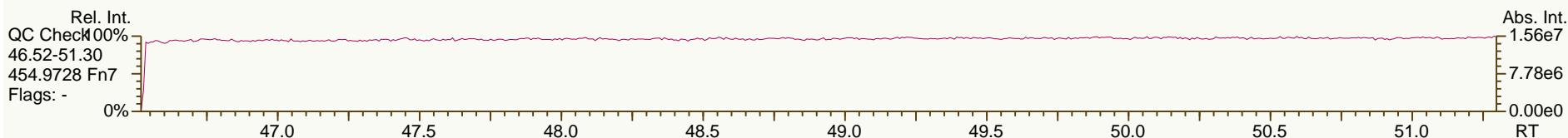
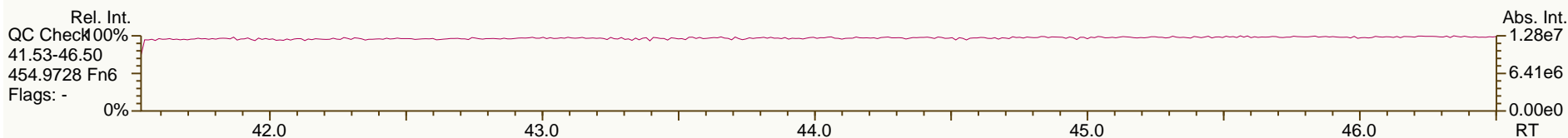
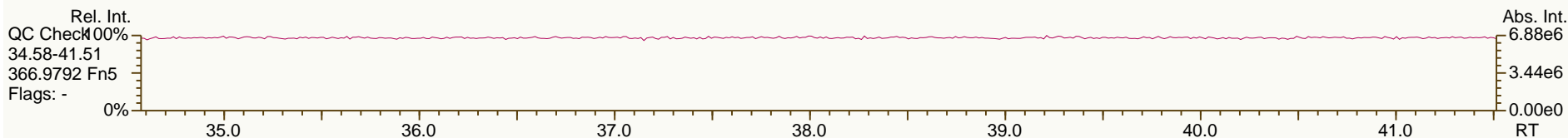
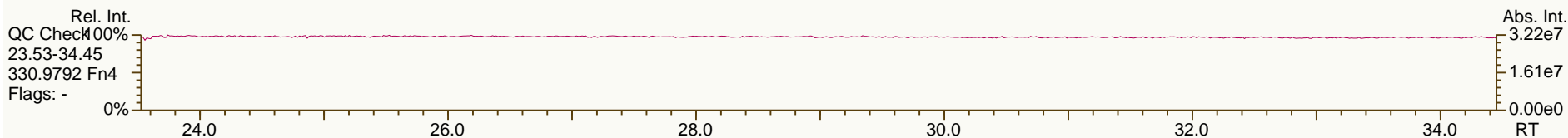
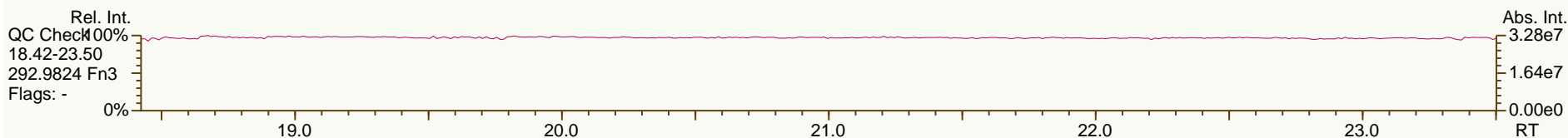
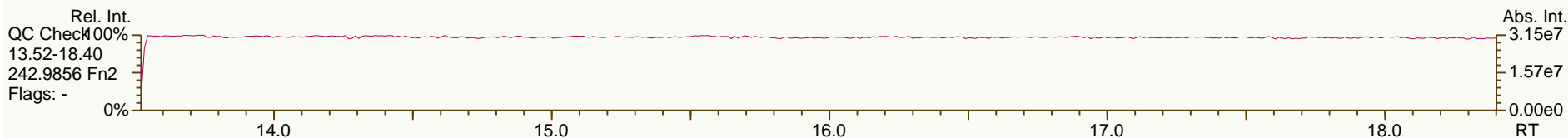
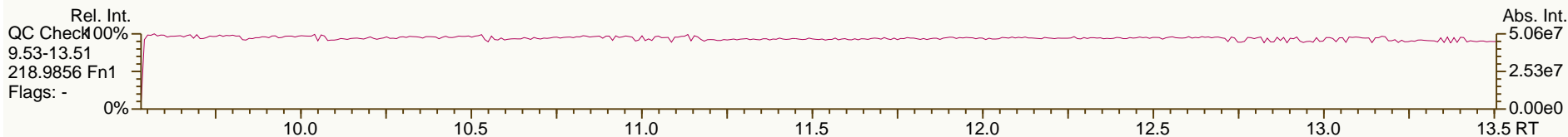
Lab ID: - Ax2 Detail			Processed: 6-Jul-2012 13:28				
Lab ID:	CS3_120703_PCB_SC	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	03-JUL-2012 14:13						
Datafile:	120703S03						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	27.55	2.52E+06	0.62 Y	0.76	0.77	0.2%	
PCB-112 233'56-PeCB	27.64	3.41E+06	0.62 Y	0.96	1.03	7.4%	
PCB-109/119/86/97/125...-PeCB	27.98	1.76E+07	0.61 Y	0.83	0.89	7.6%	
PCB-117 234'56-PeCB	28.49	2.31E+06	0.58 Y	0.94	0.70	-25.3%	
PCB-116/85 23456-/22'344'-Pe	28.56	6.48E+06	0.61 Y	0.81	0.98	21.7%	
PCB-110 233'46-PeCB	28.70	3.19E+06	0.61 Y	0.92	0.97	5.3%	
PCB-115 2344'6-PeCB	28.78	3.30E+06	0.59 Y	0.95	1.00	5.8%	
PCB-82 22'33'4-PeCB	28.96	2.07E+06	0.61 Y	0.62	0.63	2.0%	
PCB-111 233'55'-PeCB	29.34	3.32E+06	0.59 Y	0.98	1.01	2.2%	
PCB-120 23'455'-PeCB	29.72	3.36E+06	0.59 Y	0.99	1.02	2.8%	
PCB-108/124 ...-PeCB	30.66	6.28E+06	0.61 Y	0.92	0.95	3.6%	
PCB-107 233'45-PeCB	30.86	3.46E+06	0.61 Y	1.00	1.05	5.4%	
PCB-106 233'45-PeCB	31.06	3.21E+06	0.62 Y	0.96	0.97	1.3%	
PCB-122 2'33'45-PeCB	31.51	2.91E+06	0.60 Y	0.93	0.91	-1.3%	
PCB-127 33'455'-PeCB	33.48	3.10E+06	0.59 Y	1.04	0.98	-5.4%	
PCB-155 22'44'66'-HxCB	26.88	3.90E+06	1.23 Y	1.06	-	-	
PCB-152 22'3566'-HxCB	27.01	3.60E+06	1.29 Y	0.98	0.98	0.0%	
PCB-150 22'34'66'-HxCB	27.16	3.65E+06	1.25 Y	0.99	1.00	1.1%	
PCB-136 22'33'66'-HxCB	27.44	3.37E+06	1.31 Y	0.92	0.92	-0.1%	
PCB-145 22'3466'HxCB	27.71	3.41E+06	1.24 Y	0.94	0.93	-0.8%	
PCB-148 22'34'56'-HxCB	29.01	2.64E+06	1.25 Y	0.73	0.72	-1.7%	
PCB-151/135 22'355'6-/22'33'	29.51	5.23E+06	1.24 Y	0.71	0.71	0.3%	
PCB-154 22'44'5'6'-HxCB	29.73	2.90E+06	1.31 Y	0.78	0.79	0.9%	
PCB-144 22'345'6'-HxCB	29.97	2.62E+06	1.26 Y	0.72	0.72	-0.5%	
PCB-147/149 22'34'56-/22'34'	30.27	5.38E+06	1.27 Y	0.72	0.73	1.3%	
PCB-134 22'33'56'-HxCB	30.42	2.21E+06	1.23 Y	0.61	0.60	-0.8%	
PCB-143 22'3456'-HxCB	30.51	2.55E+06	1.23 Y	0.69	0.70	0.6%	
PCB-139/140 22'344'6-/22'344'	30.77	5.49E+06	1.30 Y	0.73	0.75	2.0%	
PCB-131 22'33'46'-HxCB	30.93	2.28E+06	1.26 Y	0.65	0.62	-3.9%	
PCB-142 22'3456'-HxCB	31.06	2.47E+06	1.28 Y	0.67	0.67	0.1%	
PCB-132 22'33'46'-HxCB	31.30	2.46E+06	1.27 Y	0.68	0.67	-1.3%	
PCB-133 22'33'55'-HxCB	31.76	2.43E+06	1.24 Y	0.69	0.66	-3.5%	
PCB-165 233'55'6'-HxCB	32.10	3.03E+06	1.22 Y	0.82	0.83	0.3%	
PCB-146 22'34'55'-HxCB	32.31	2.66E+06	1.27 Y	0.73	0.72	-0.7%	
PCB-161 233'45'6'-HxCB	32.42	3.46E+06	1.29 Y	0.93	0.95	2.0%	
PCB-153/168 22'44'55'-/23'44'	32.85	6.56E+06	1.27 Y	0.89	0.89	0.6%	
PCB-141 22'3455'-HxCB	32.98	2.45E+06	1.34 Y	0.71	0.67	-5.5%	
PCB-130 22'33'45'-HxCB	33.31	2.25E+06	1.28 Y	0.64	0.61	-3.4%	
PCB-137 22'344'5'-HxCB	33.50	2.64E+06	1.27 Y	0.78	0.72	-7.3%	
PCB-164 233'4'5'6'-HxCB	33.59	3.42E+06	1.27 Y	0.88	0.93	6.1%	
PCB-163/138/129 233'4'56-/22'	33.87	8.34E+06	1.30 Y	0.76	0.76	-0.4%	

Lab ID: - Ax2 Detail				Processed: 6-Jul-2012 13:28			
Lab ID:	CS3_120703_PCB_SC	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	03-JUL-2012 14:13						
Datafile:	120703S03						
Name	RT	Response	RA		RRF		
PCB-160 233'456-HxCB	34.00	3.35E+06	1.26 Y	0.88	0.91		3.3%
PCB-158 233'44'6-HxCB	34.19	3.52E+06	1.24 Y	0.96	0.96		-0.2%
PCB-128/166 22'33'44'-/2344'5	34.90	5.20E+06	1.21 Y	0.86	0.90		4.3%
PCB-159 233'455'-HxCB	35.76	3.06E+06	1.25 Y	1.03	1.06		3.1%
PCB-162 233'4'55'-HxCB	36.00	3.16E+06	1.26 Y	1.04	1.09		5.3%
PCB-188 22'34'566'-HpCB	31.69	3.29E+06	1.06 Y	1.07	-		-
PCB-179 22'33'566'-HpCB	31.95	3.08E+06	1.09 Y	0.98	1.09		11.8%
PCB-184 22'344'66'-HpCB	32.42	2.96E+06	1.04 Y	0.97	1.05		8.1%
PCB-176 22'33'466'-HpCB	32.69	3.30E+06	1.08 Y	1.06	1.17		10.2%
PCB-186 22'34566'-HpCB	33.07	3.18E+06	1.09 Y	1.02	1.13		11.0%
PCB-178 22'33'55'6-HpCB	34.25	2.31E+06	1.03 Y	0.77	0.82		6.2%
PCB-175 22'33'45'6-HpCB	34.79	2.43E+06	1.02 Y	0.70	0.86		23.3%
PCB-187 22'34'55'6-HpCB	35.02	2.56E+06	1.01 Y	0.73	0.91		24.3%
PCB-182 22'344'56'-HpCB	35.19	2.62E+06	1.06 Y	0.74	0.93		25.1%
PCB-183 22'344'5'6-HpCB	35.53	2.82E+06	0.99 Y	0.75	1.00		33.5%
PCB-185 22'3455'6-HpCB	35.60	2.36E+06	1.06 Y	0.73	0.84		15.1%
PCB-174 22'33'456'-HpCB	35.71	2.16E+06	1.02 Y	0.63	0.77		22.4%
PCB-177 22'33'4'56-HpCB	36.08	2.16E+06	1.03 Y	0.64	0.77		20.2%
PCB-181 22'344'56-HpCB	36.42	2.53E+06	1.02 Y	0.72	0.90		25.5%
PCB-171/173 22'33'44'6-/22'3	36.59	4.52E+06	1.05 Y	0.64	0.80		26.0%
PCB-172 22'33'455'-HpCB	37.99	2.27E+06	1.04 Y	0.69	0.72		4.2%
PCB-192 233'455'6-HpCB	38.23	2.88E+06	1.08 Y	0.91	0.91		0.2%
PCB-180/193 22'344'55'-/233'	38.51	5.46E+06	1.06 Y	0.84	0.86		2.4%
PCB-191 233'44'5'6-HpCB	38.83	2.97E+06	1.04 Y	0.94	0.94		-0.4%
PCB-170 22'33'44'5-HpCB	39.58	2.14E+06	1.01 Y	0.70	0.68		-2.9%
PCB-190 233'44'56-HpCB	40.03	2.89E+06	1.02 Y	0.94	0.91		-3.5%
PCB-202 22'33'55'66'-OcCB	36.20	2.49E+06	0.92 Y	0.83	-		-
PCB-201 22'33'45'66'-OcCB	36.98	2.78E+06	0.87 Y	0.93	0.95		2.1%
PCB-204 22'344'566'-OcCB	37.55	2.65E+06	0.90 Y	0.89	0.90		1.2%
PCB-197 22'33'44'66'-OcCB	37.73	2.59E+06	0.88 Y	0.91	0.88		-3.3%
PCB-200 22'33'4566'-OcCB	37.82	2.46E+06	0.88 Y	0.93	0.84		-9.7%
PCB-198/199 22'33'455'6-/22'	40.17	3.96E+06	0.88 Y	0.68	0.67		-1.4%
PCB-196 22'33'44'56'-OcCB	40.74	2.01E+06	0.87 Y	0.72	0.68		-4.7%
PCB-203 22'344'55'6-OcCB	40.90	2.11E+06	0.88 Y	0.74	0.72		-2.4%
PCB-195 22'33'44'56-OcCB	42.01	1.79E+06	0.92 Y	0.81	0.66		-18.9%
PCB-194 22'33'44'55'-OcCB	43.98	1.97E+06	0.92 Y	0.86	0.72		-15.5%
PCB-205 233'44'55'6-OcCB	44.38	2.50E+06	0.89 Y	1.09	-		-
PCB-208 22'33'455'66'-NoCB	41.82	2.38E+06	0.77 Y	0.98	-		-
PCB-207 22'33'44'566'-NoCB	42.60	2.55E+06	0.78 Y	1.02	0.99		-2.3%
PCB-206 22'33'44'55'6-NoCB	45.85	1.91E+06	0.76 Y	0.93	-		-

AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

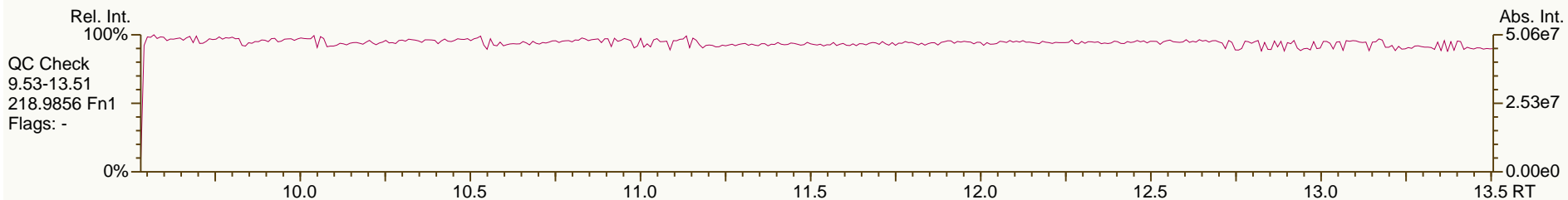
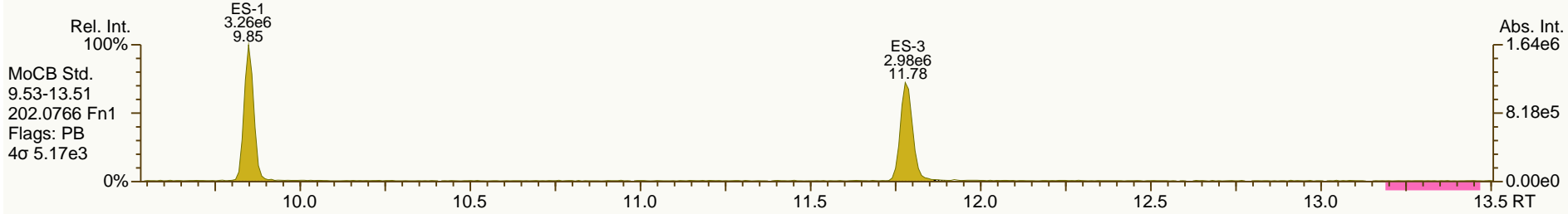
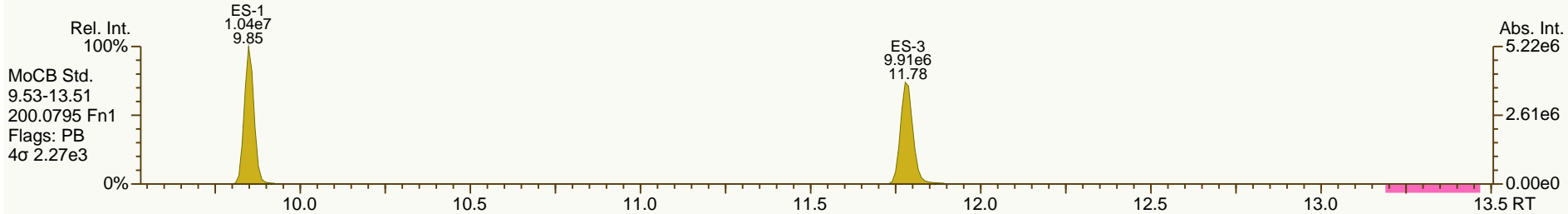
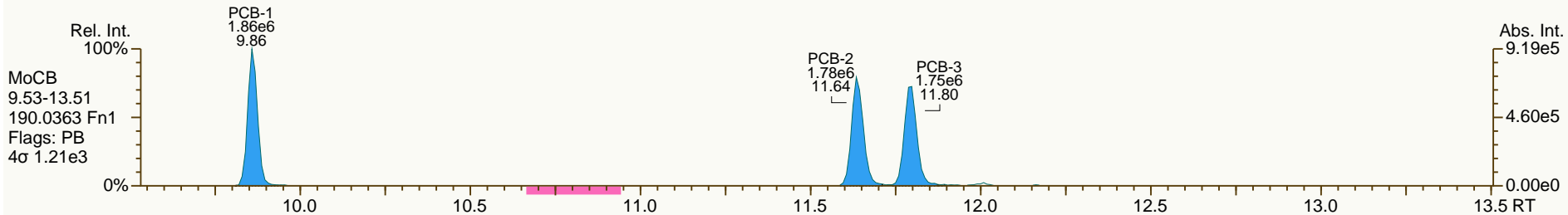
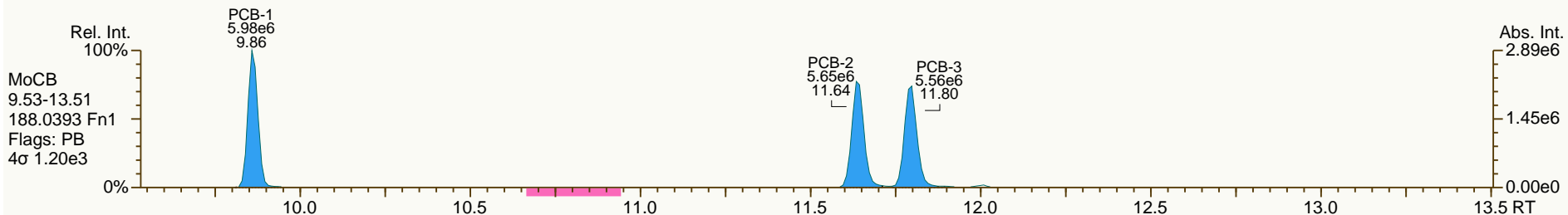
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

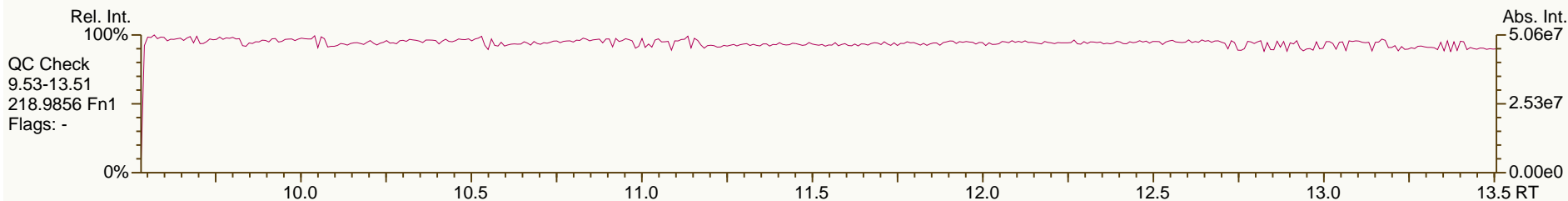
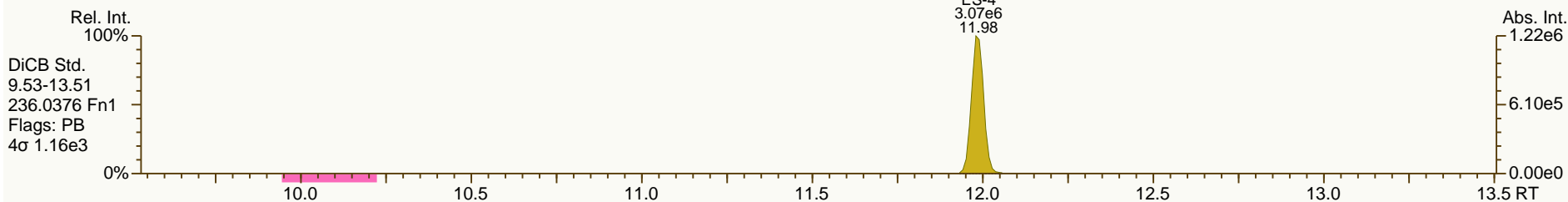
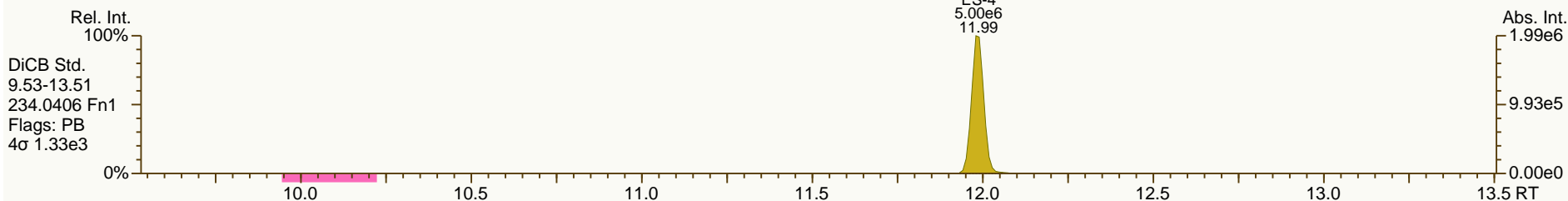
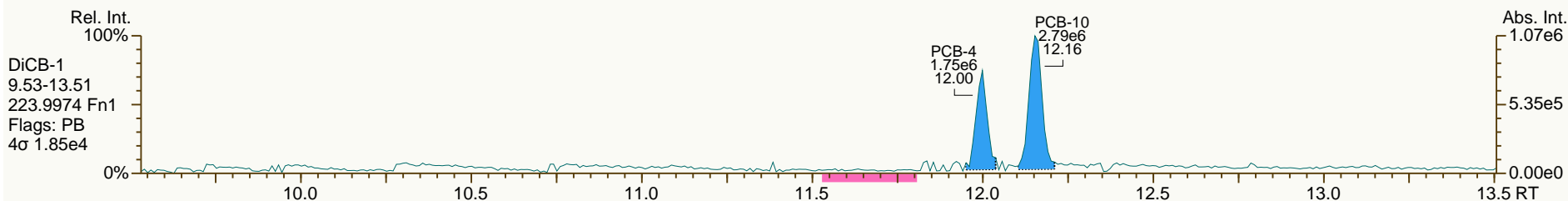
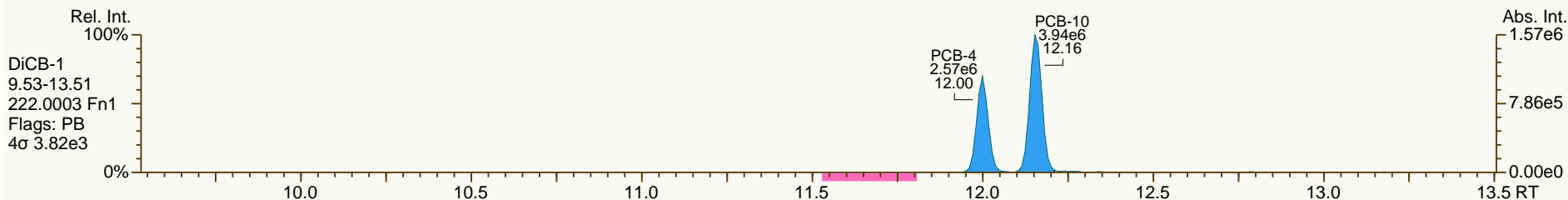
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

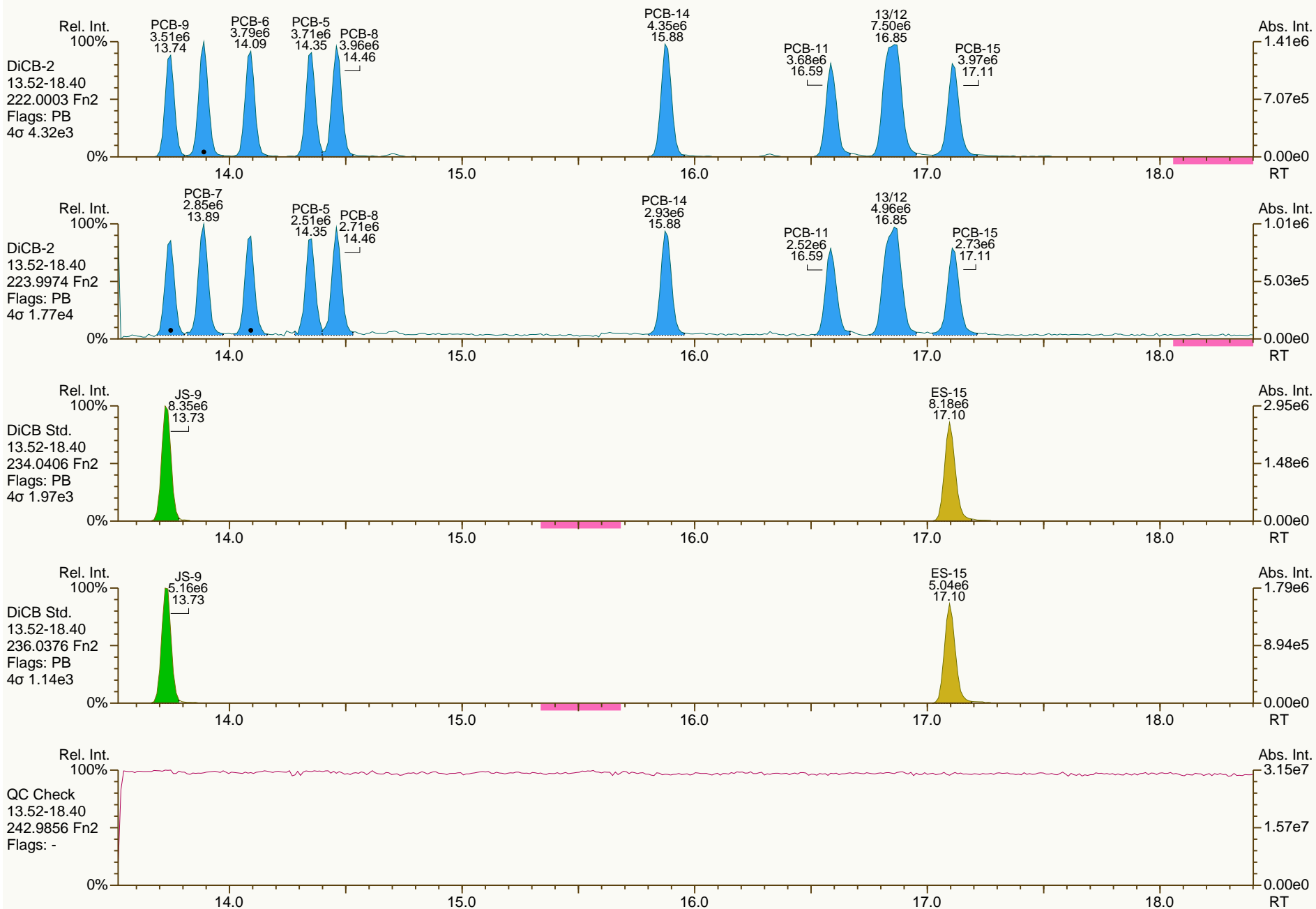
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

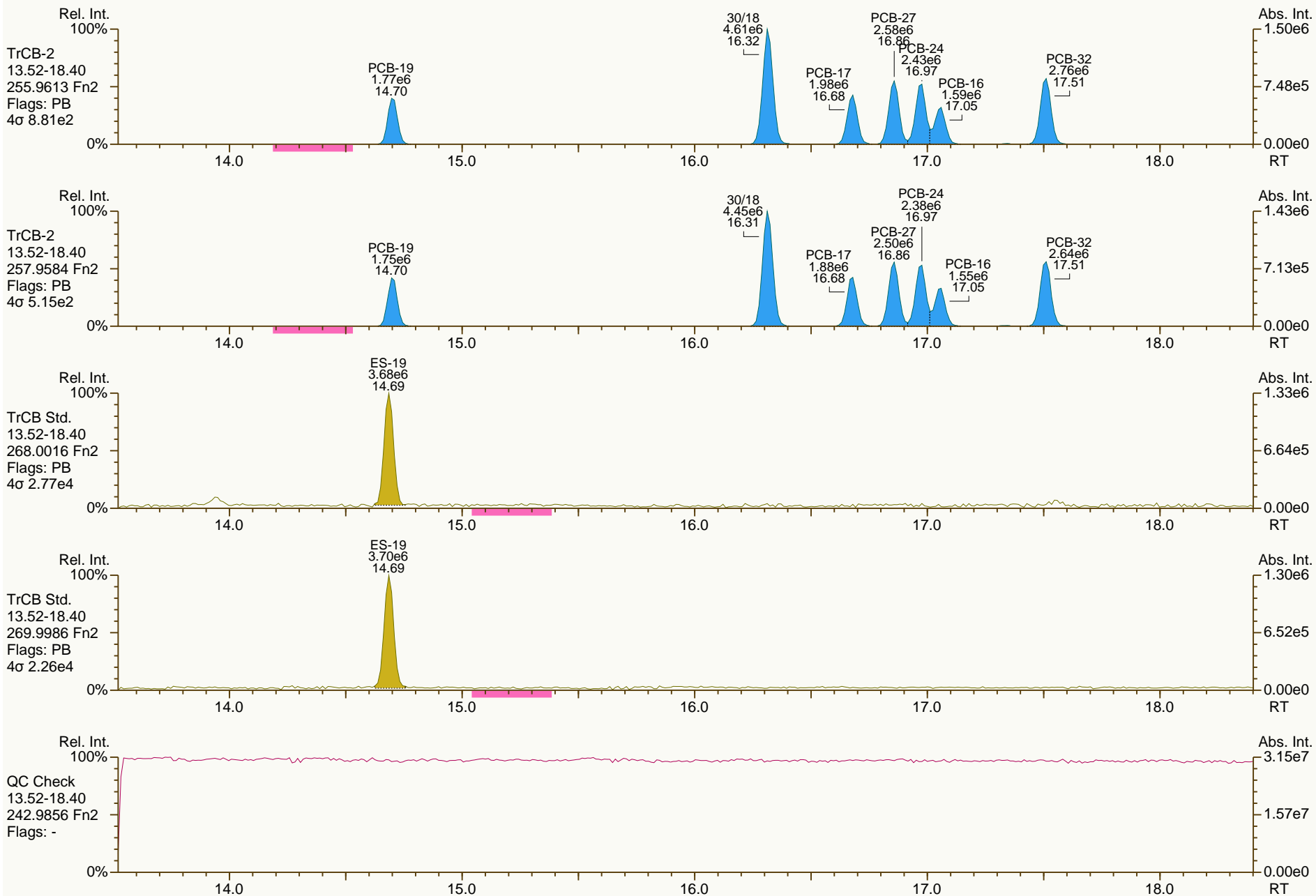
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

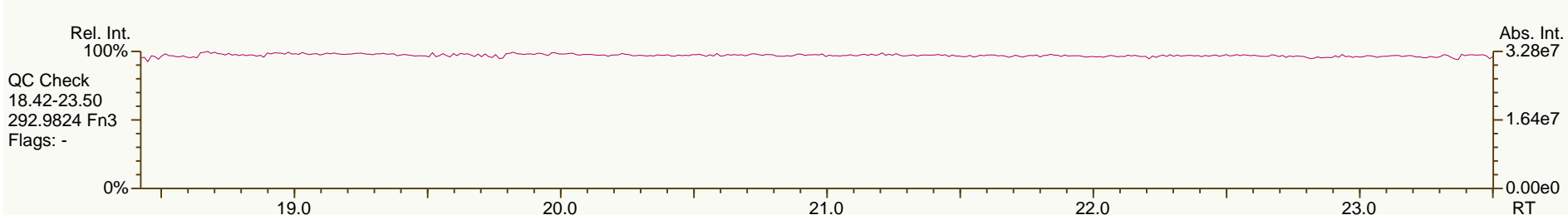
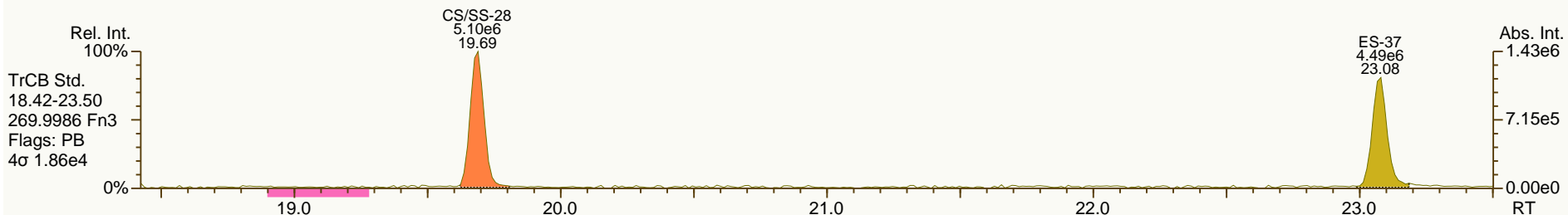
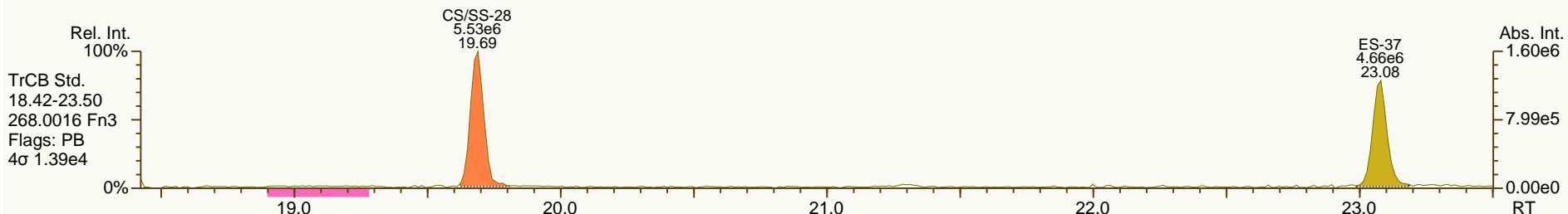
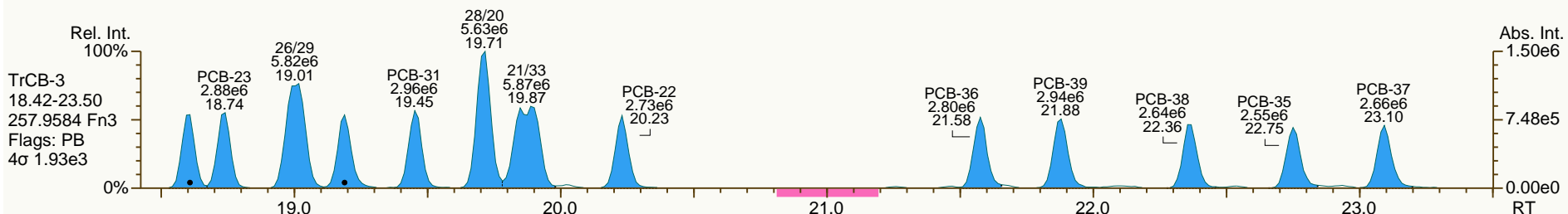
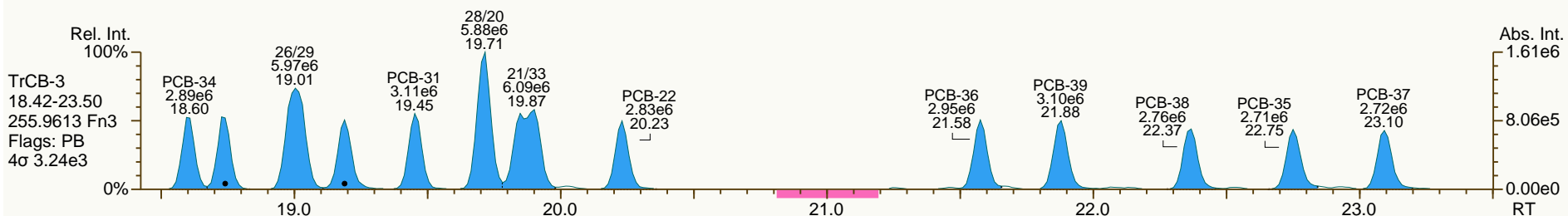
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

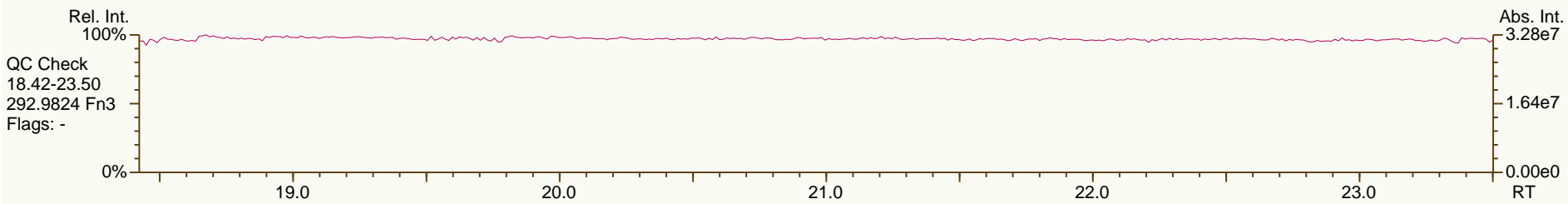
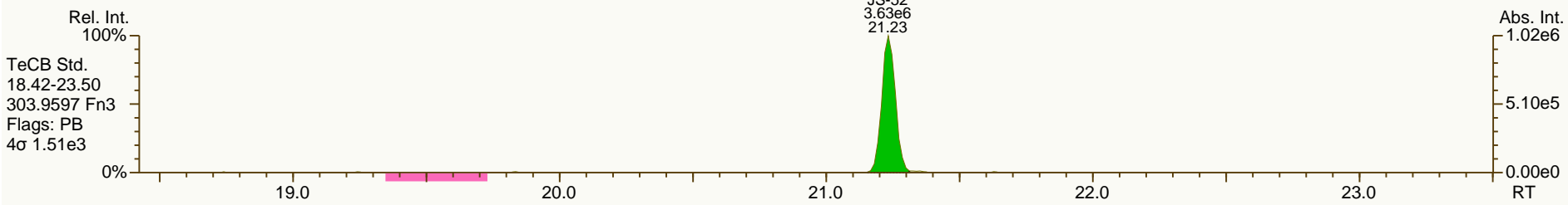
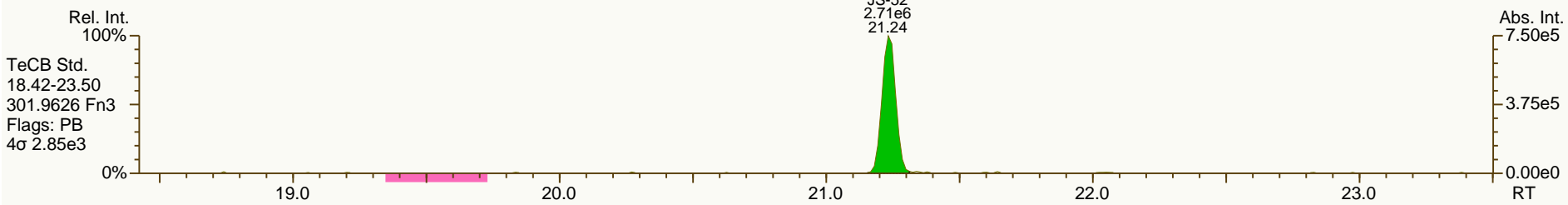
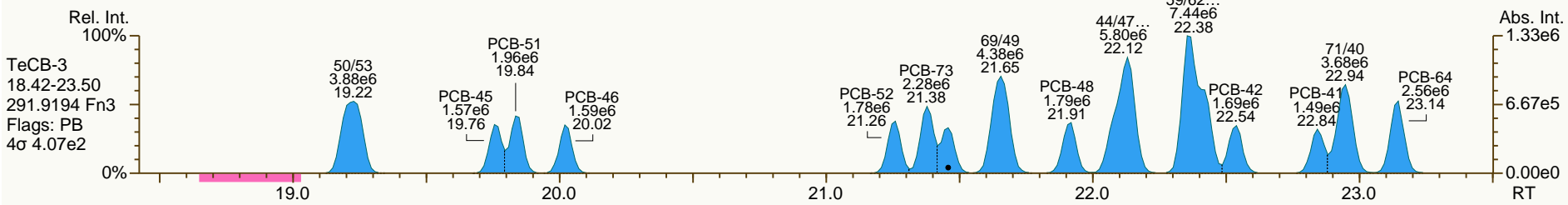
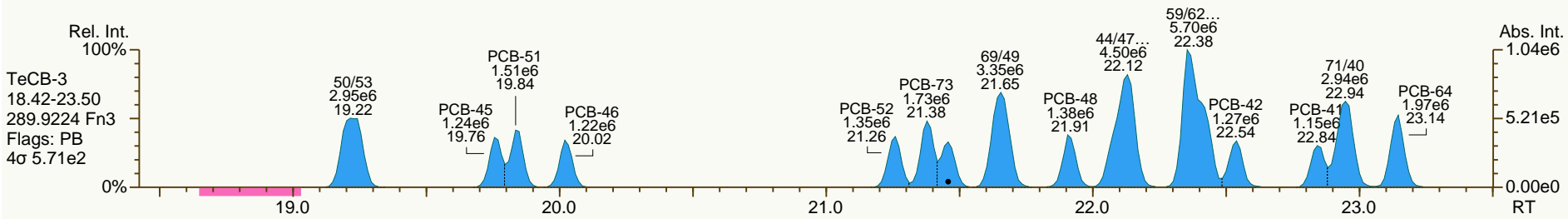
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

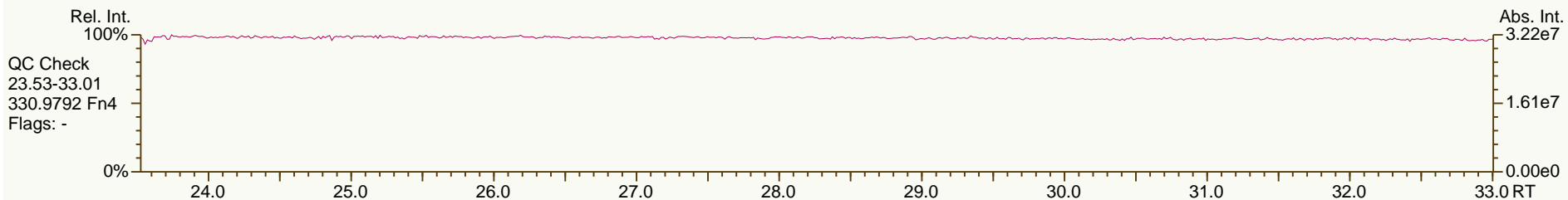
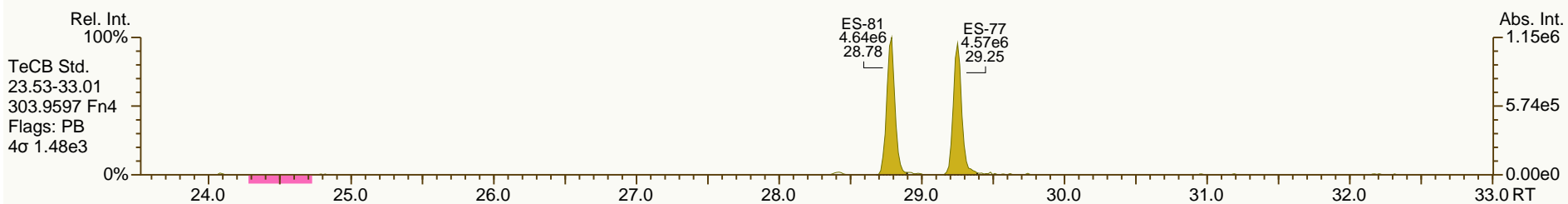
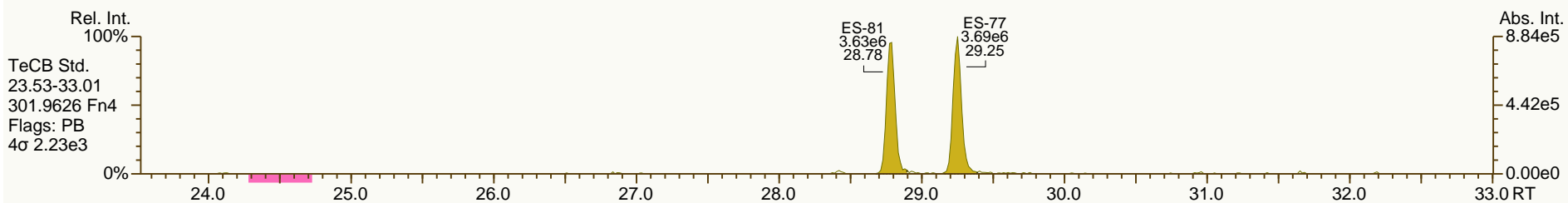
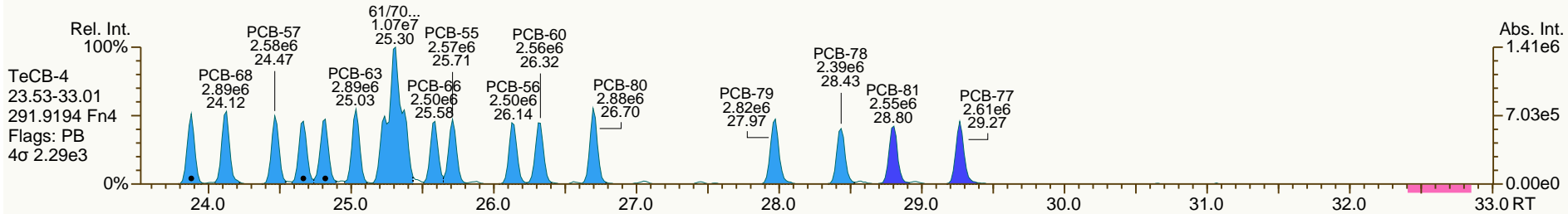
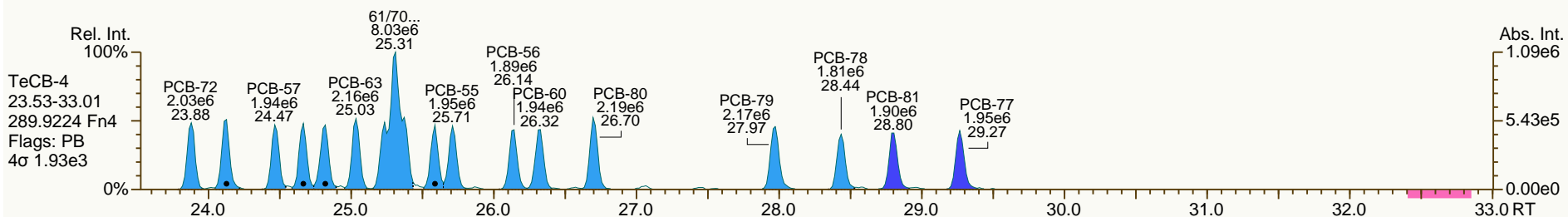
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

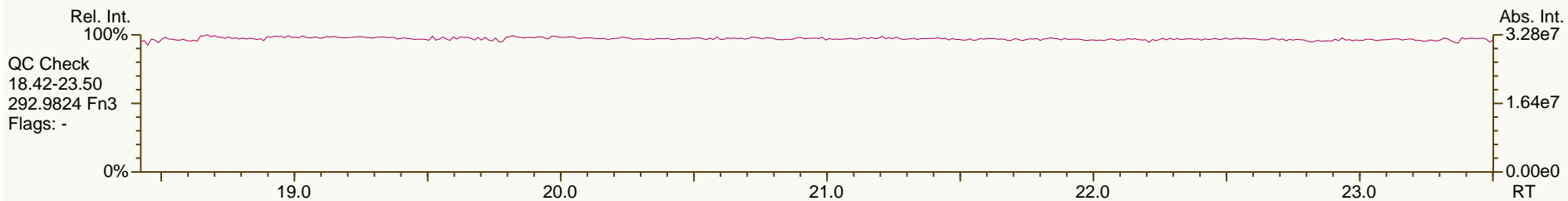
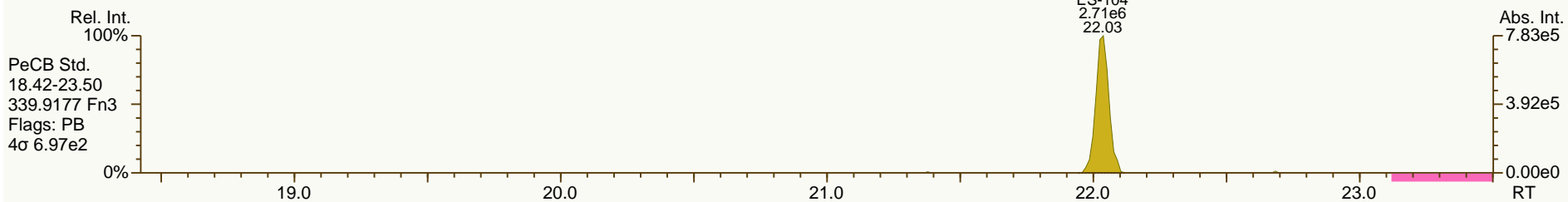
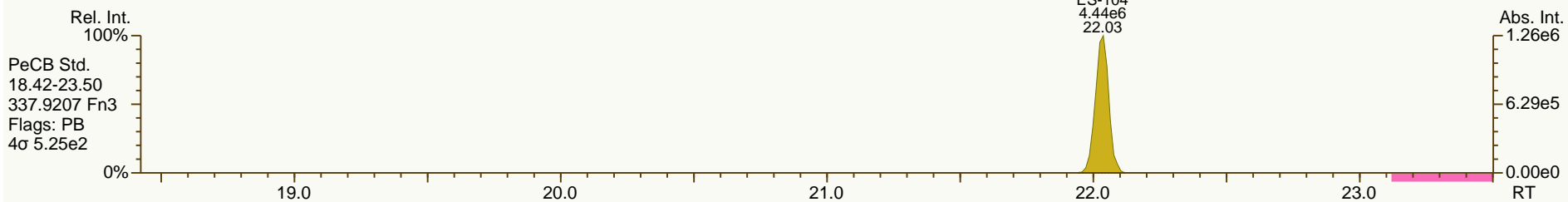
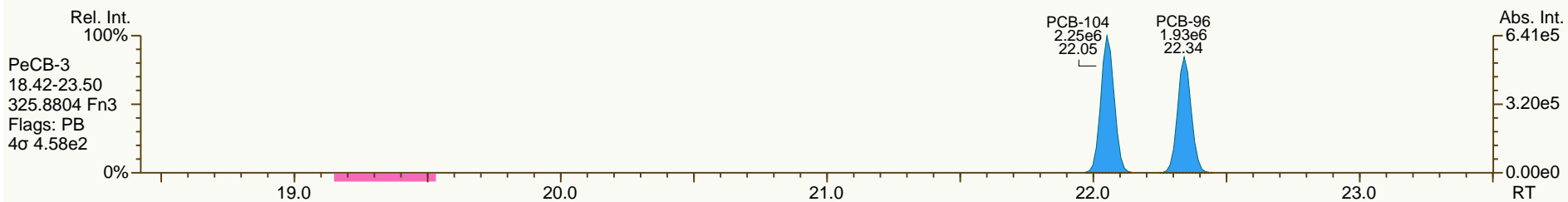
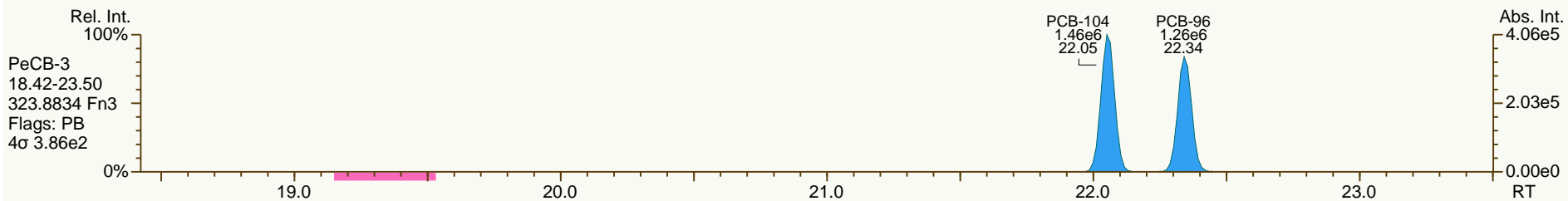
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

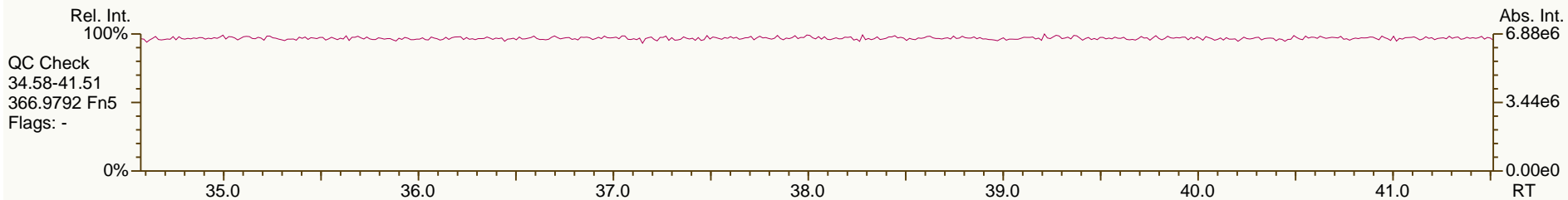
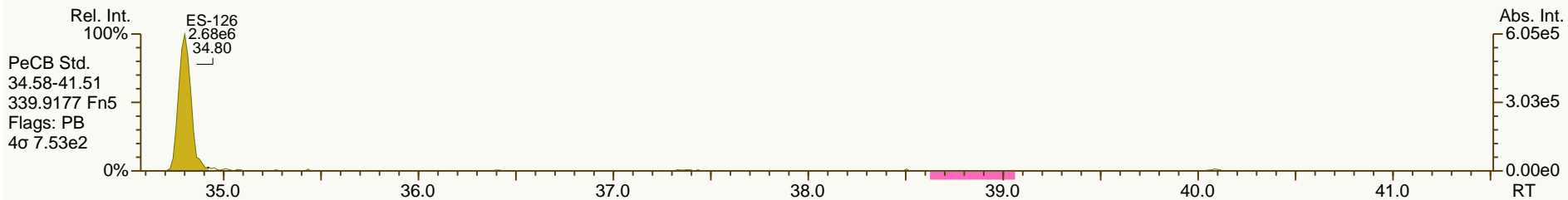
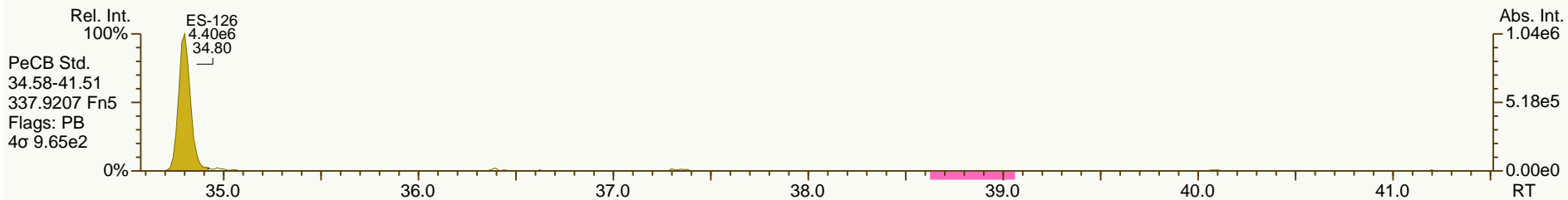
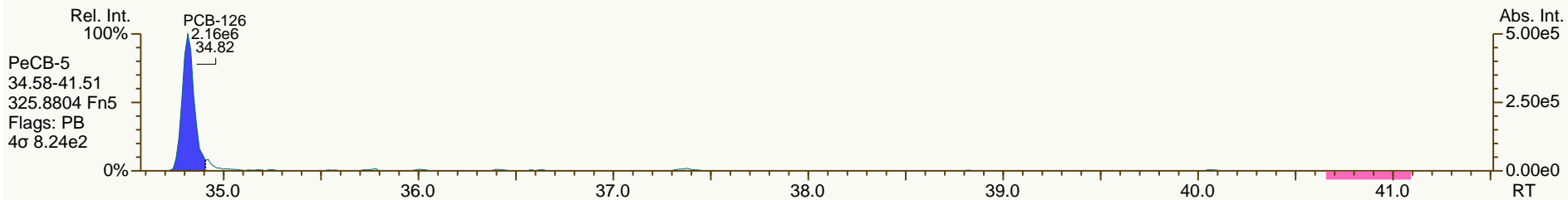
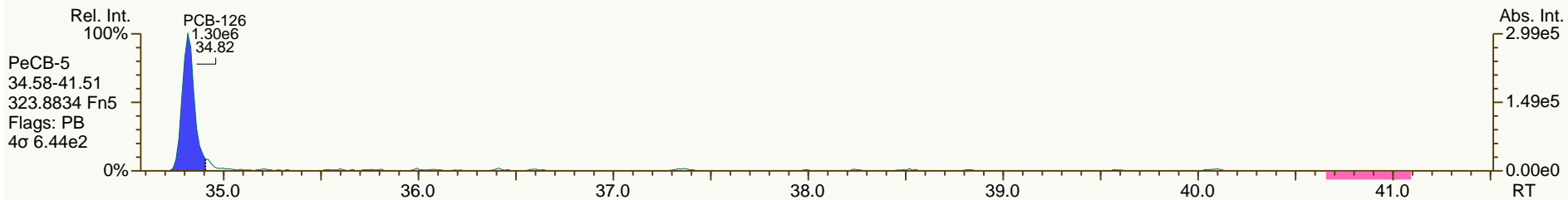
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

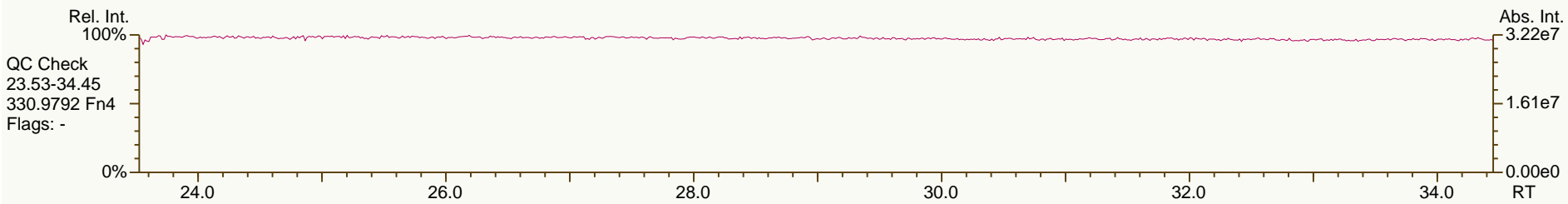
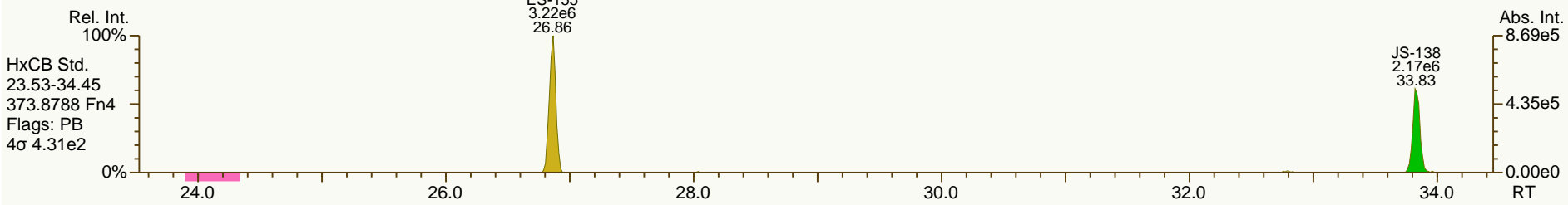
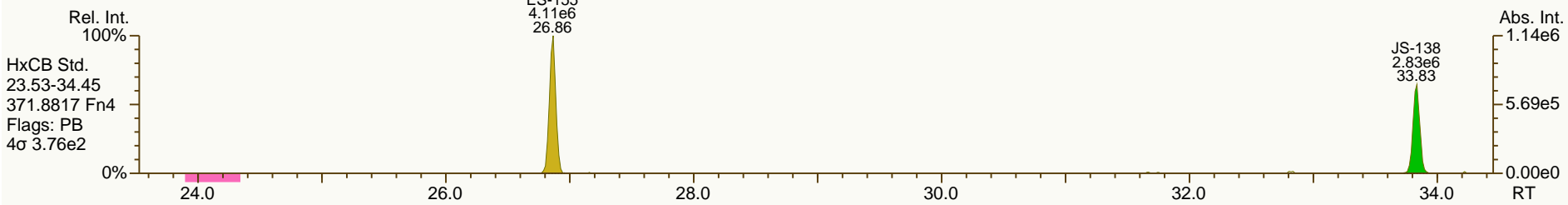
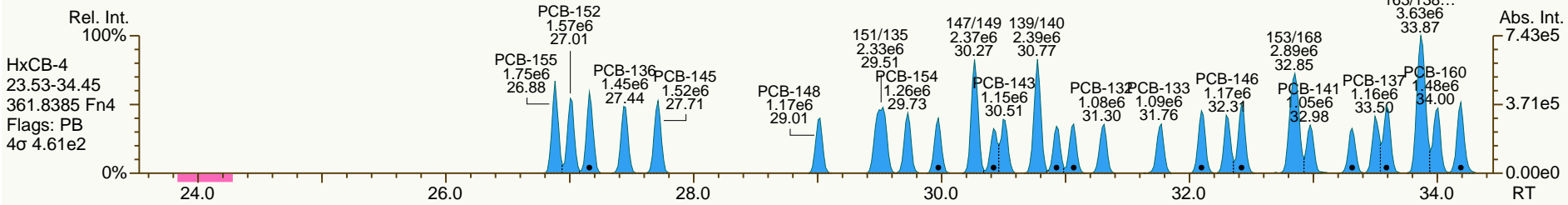
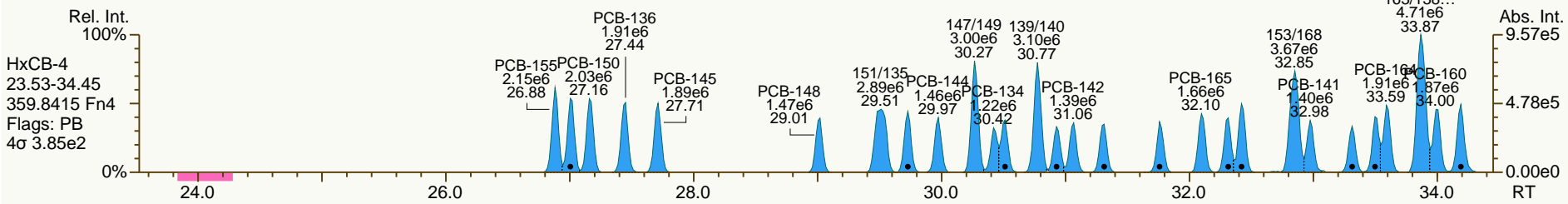
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

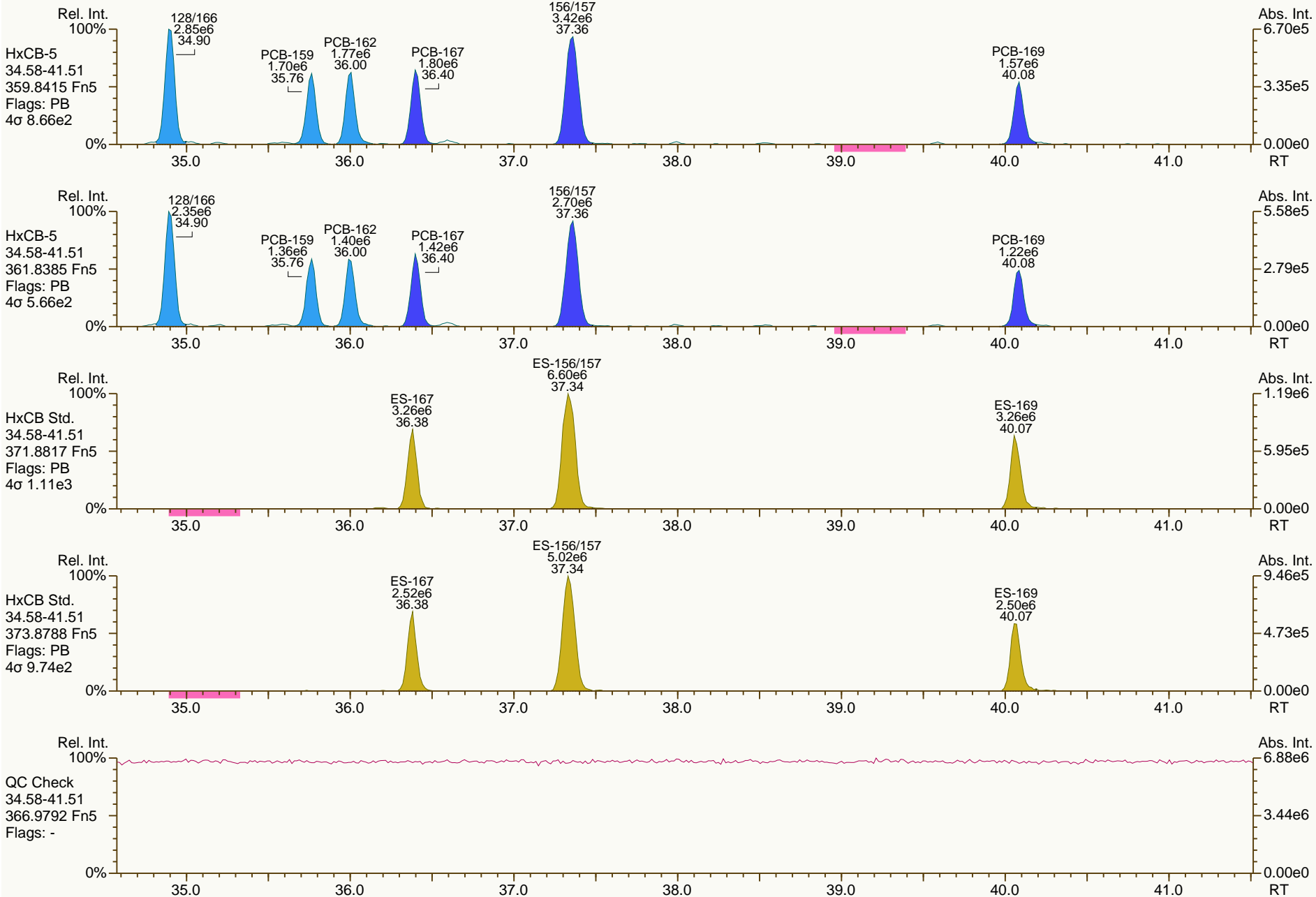
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

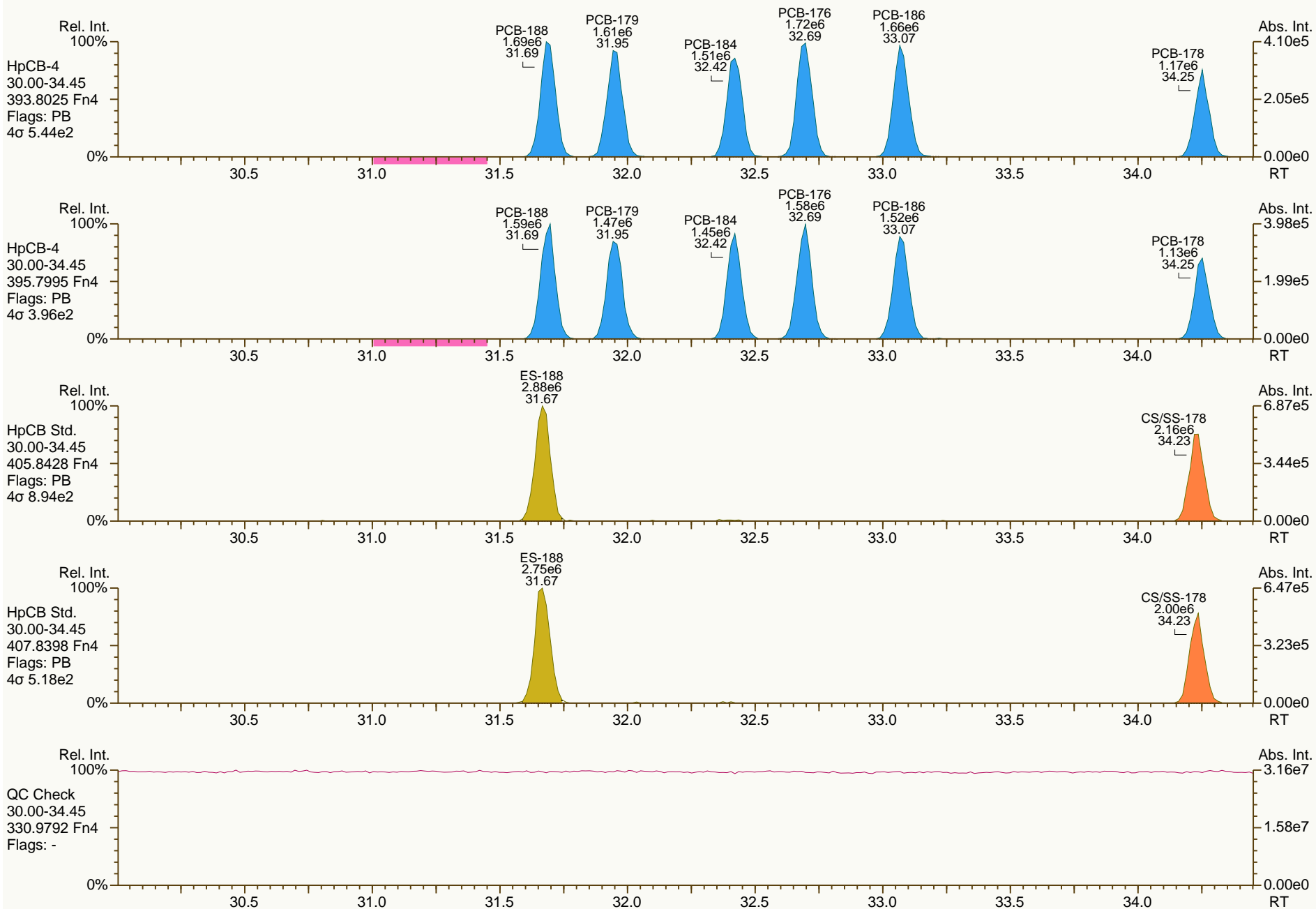
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

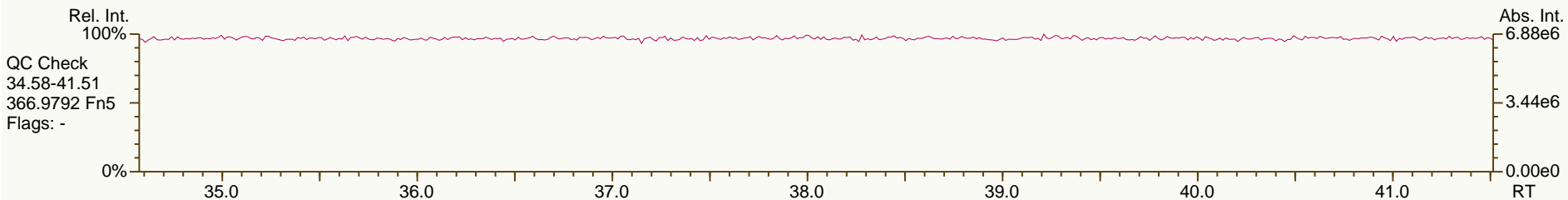
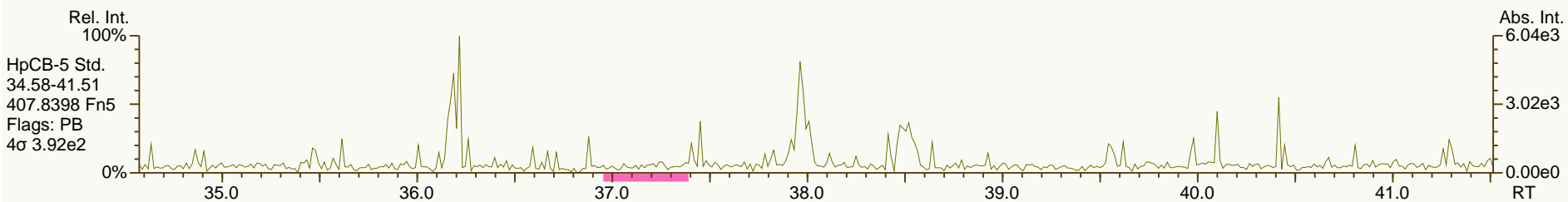
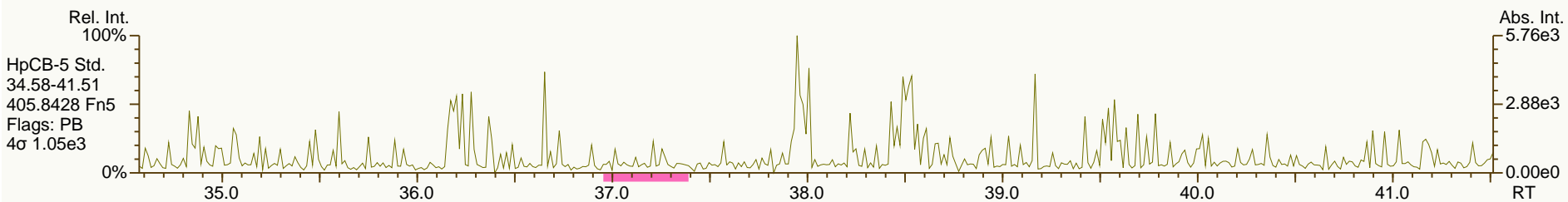
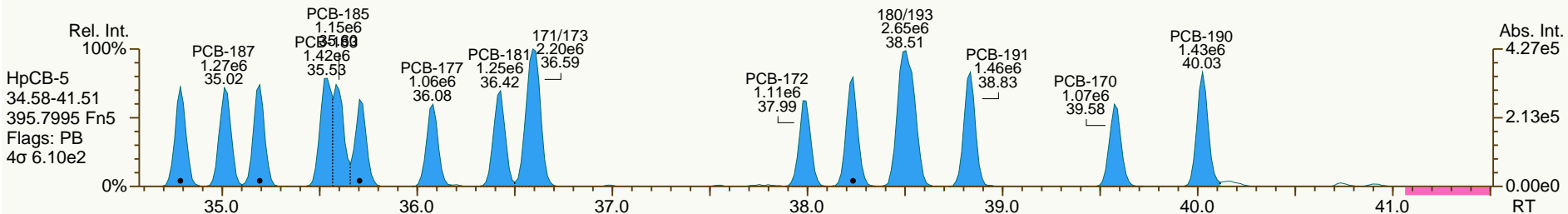
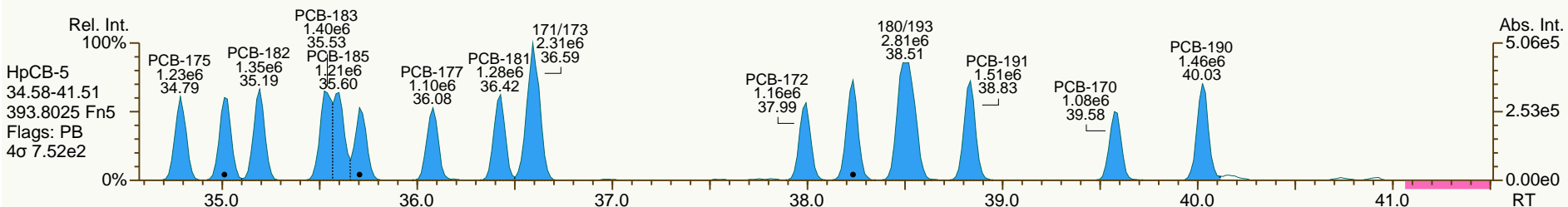
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

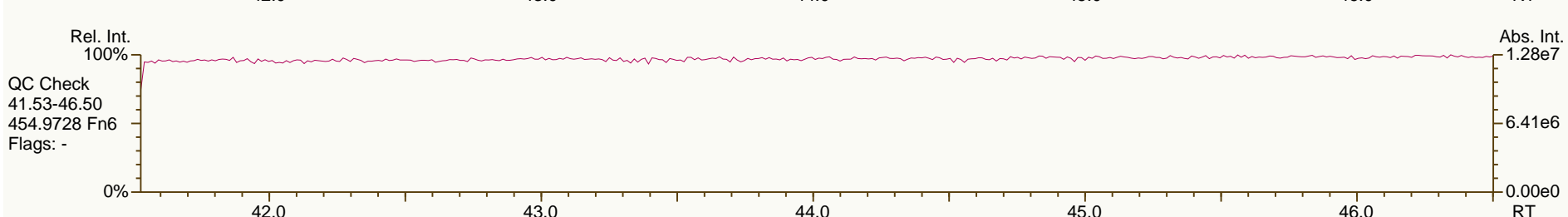
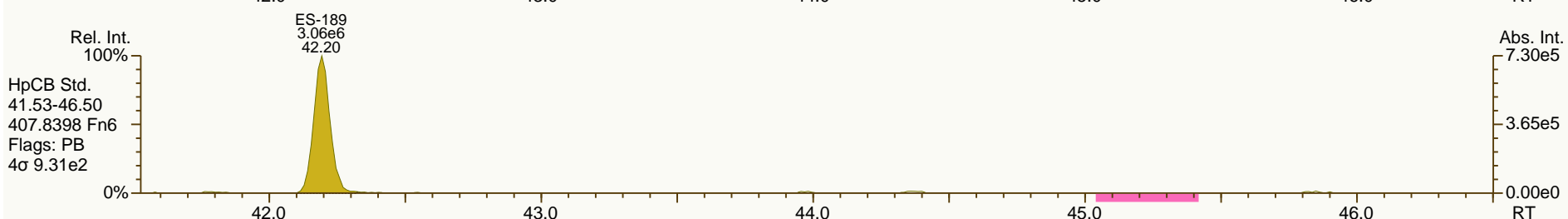
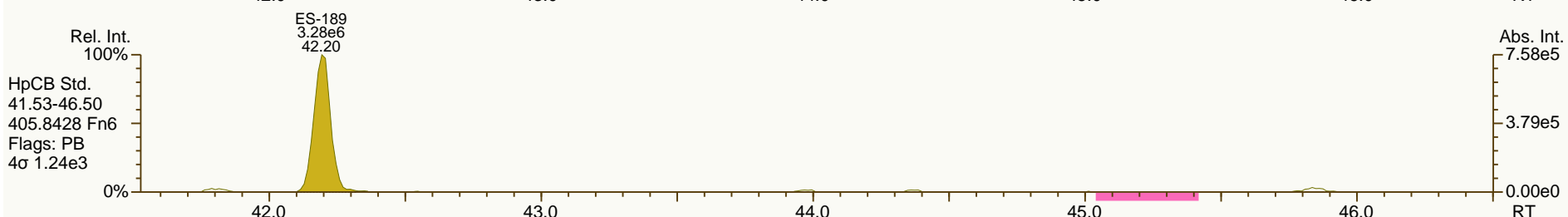
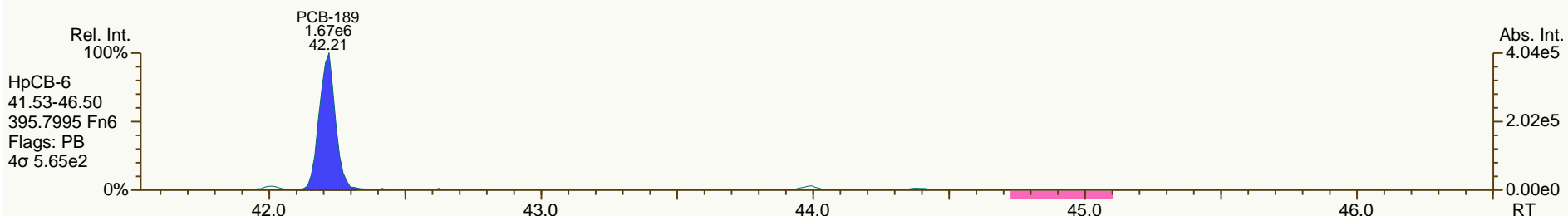
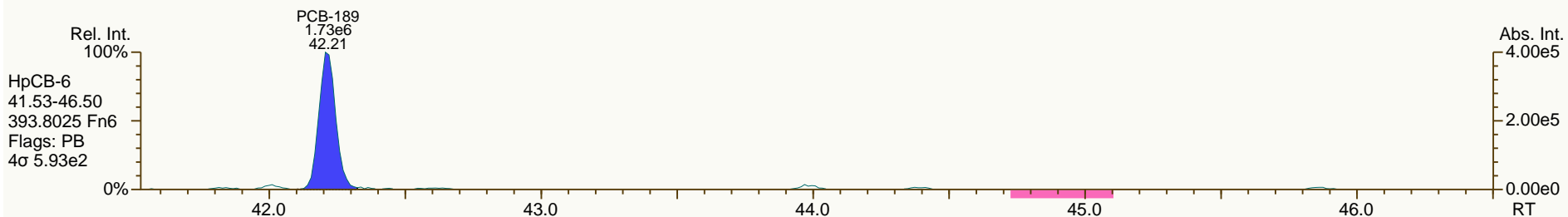
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

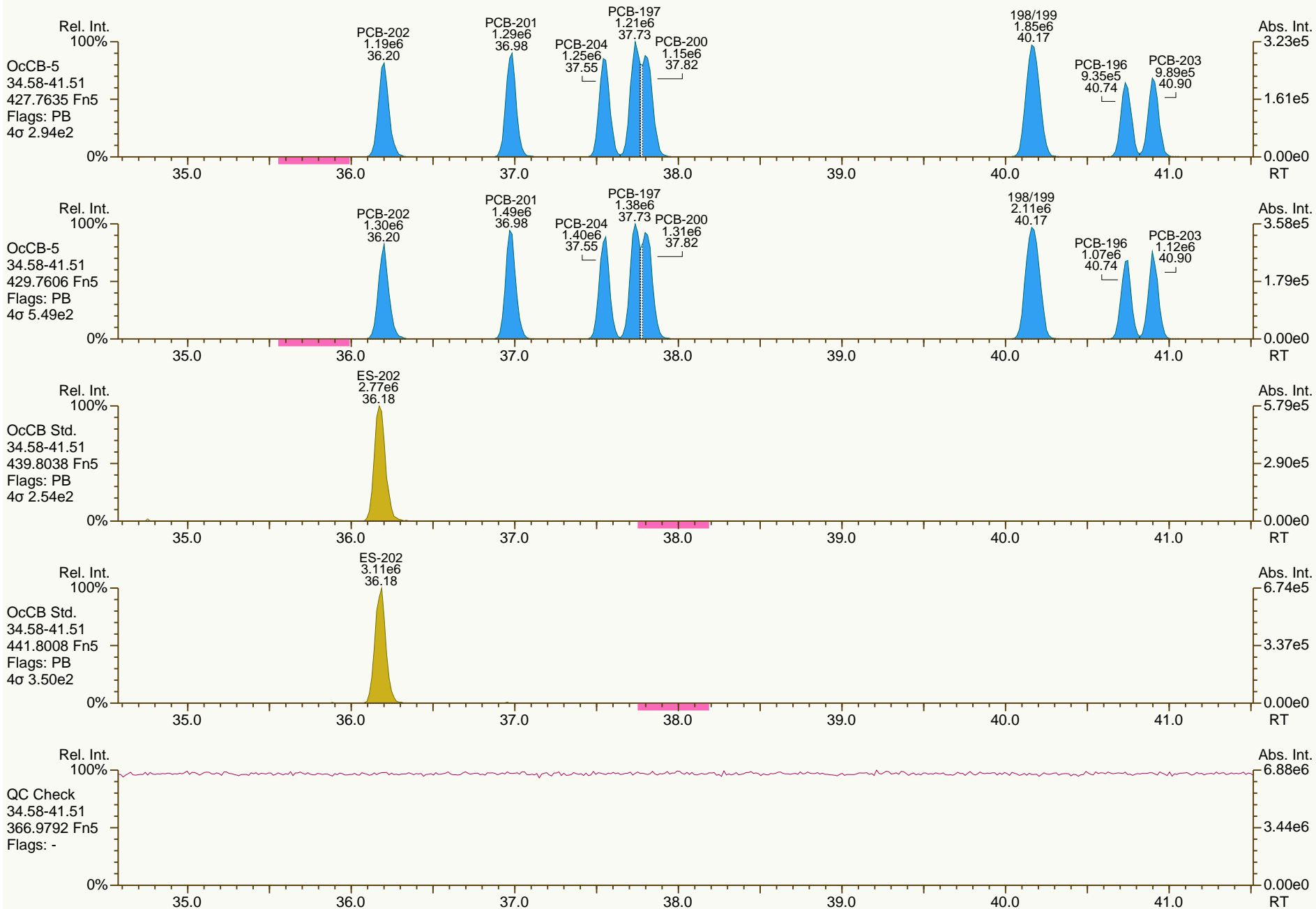
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

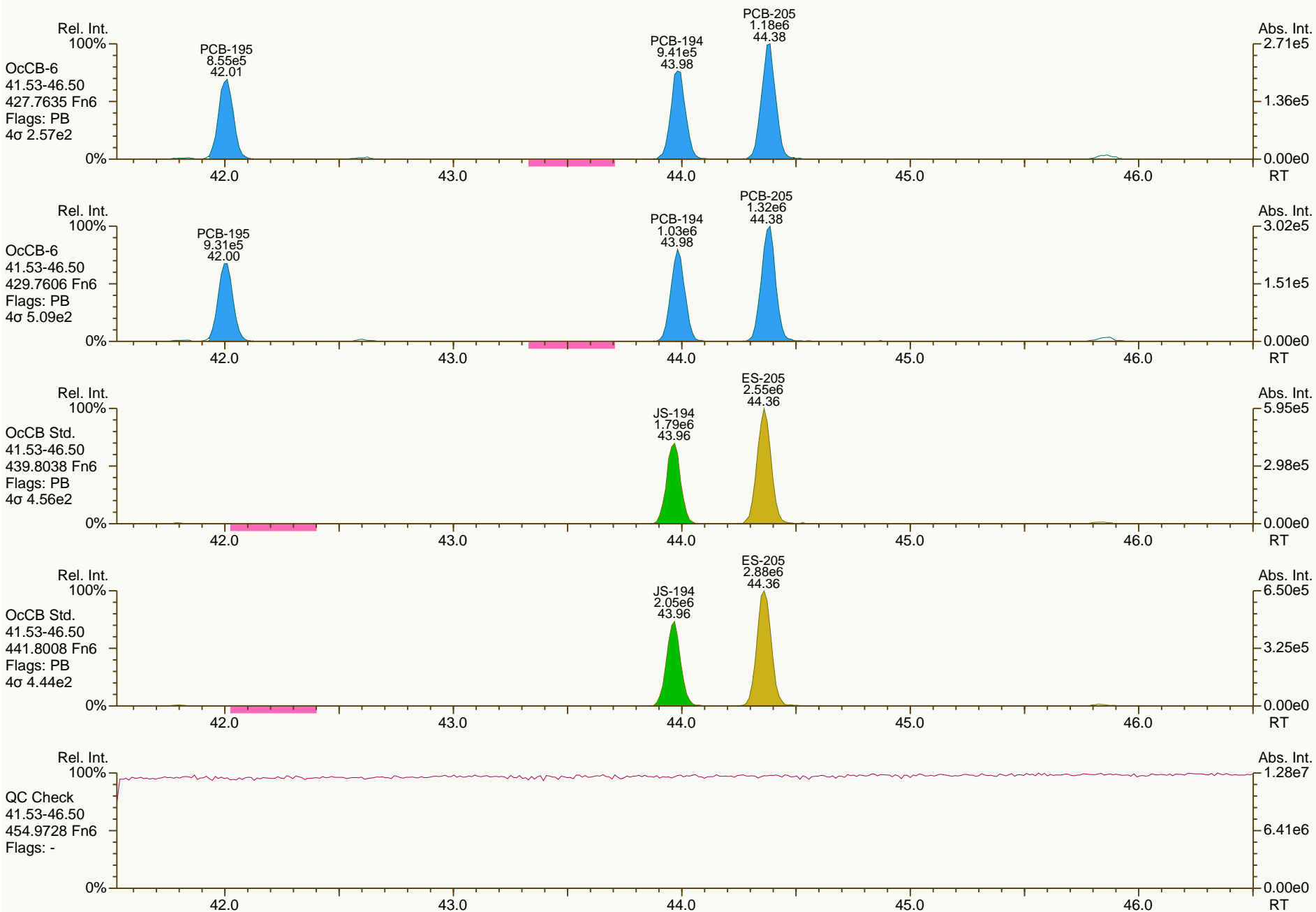
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

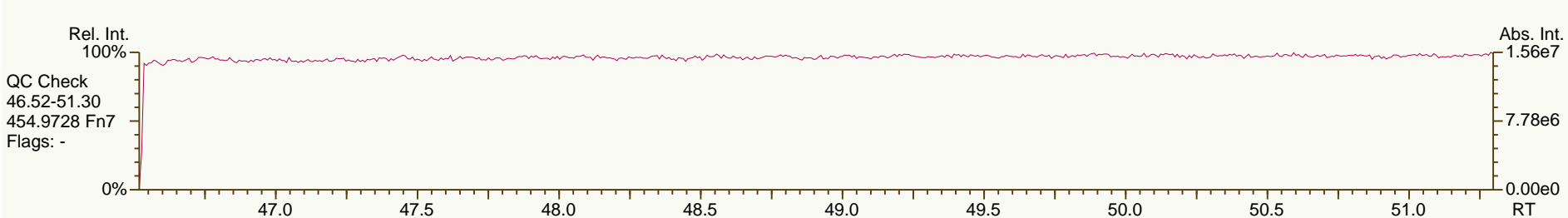
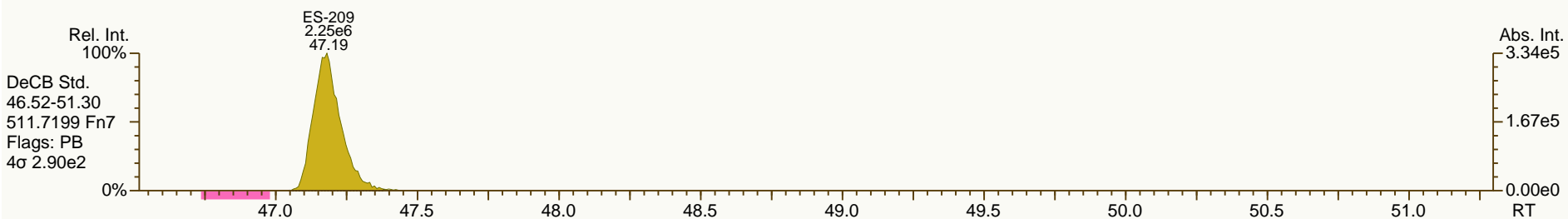
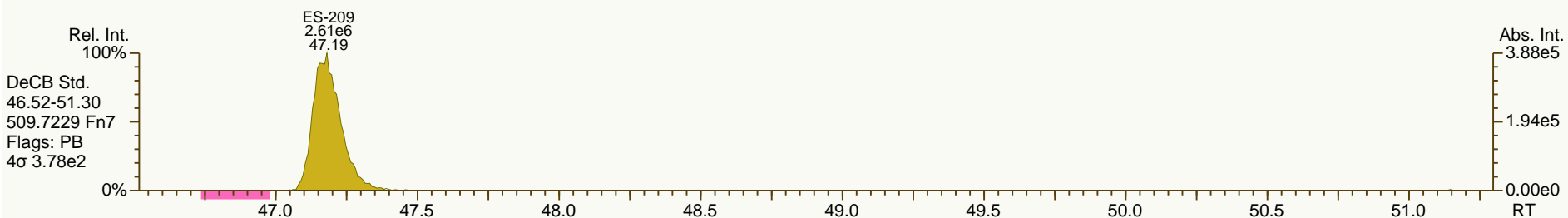
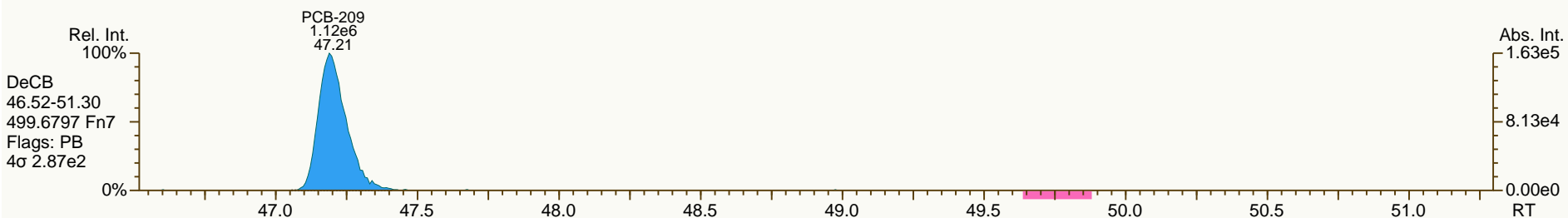
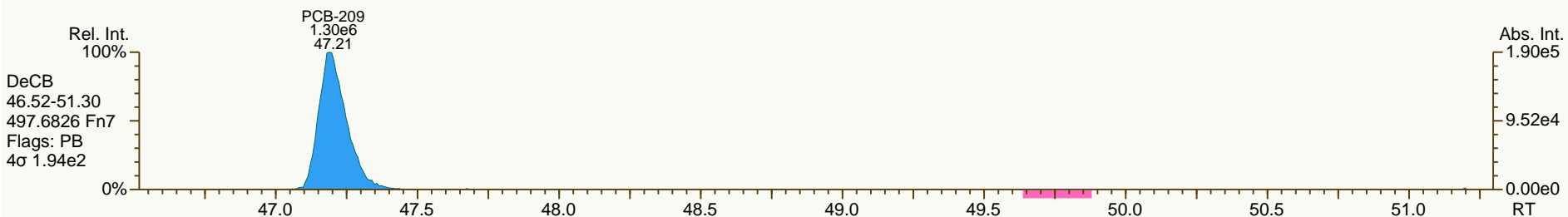
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

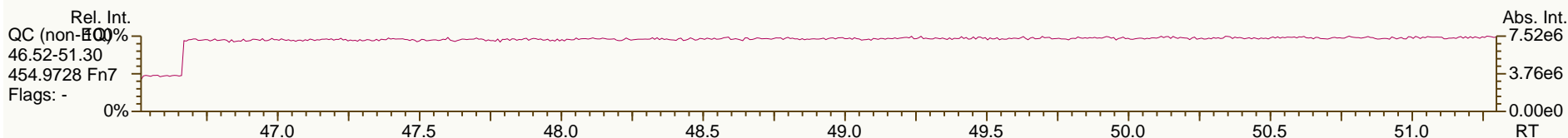
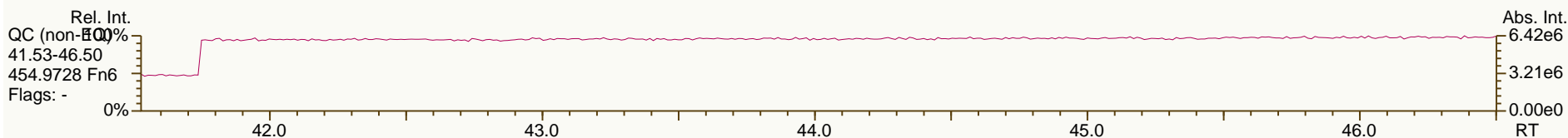
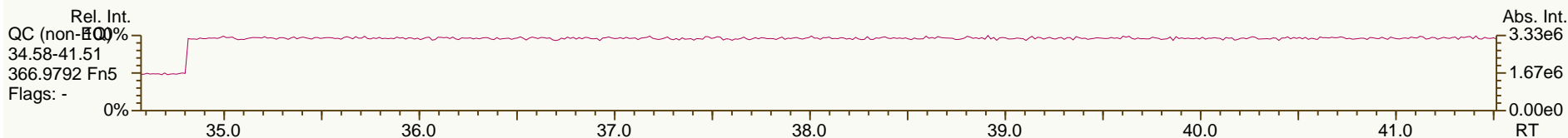
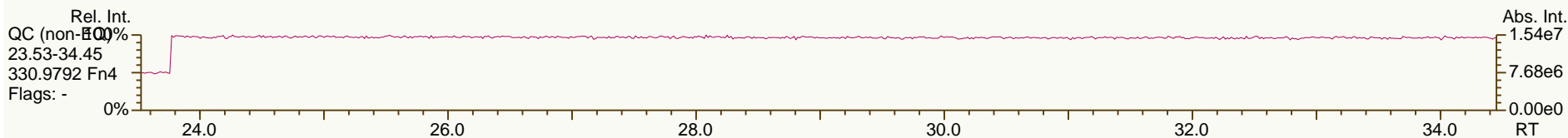
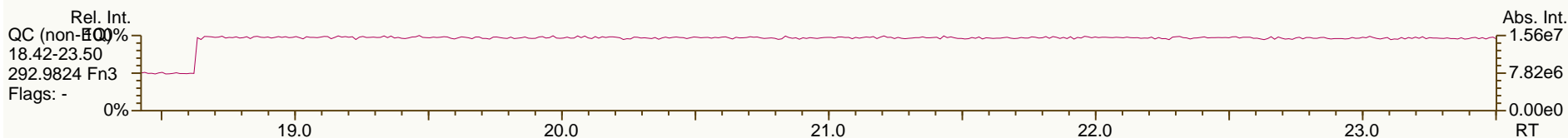
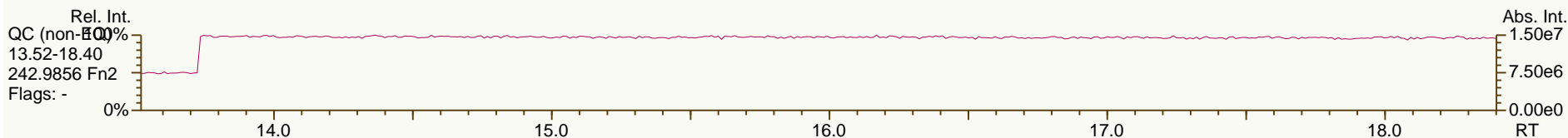
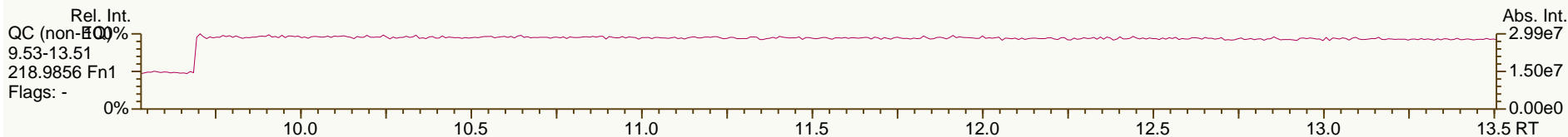
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

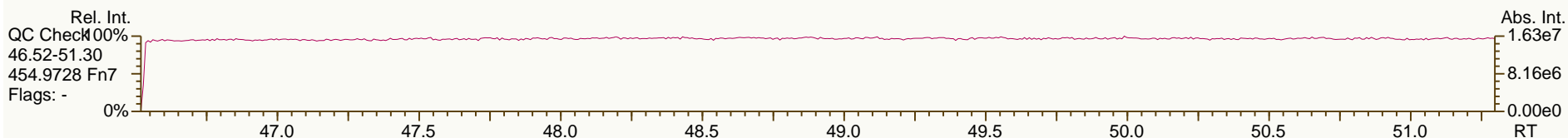
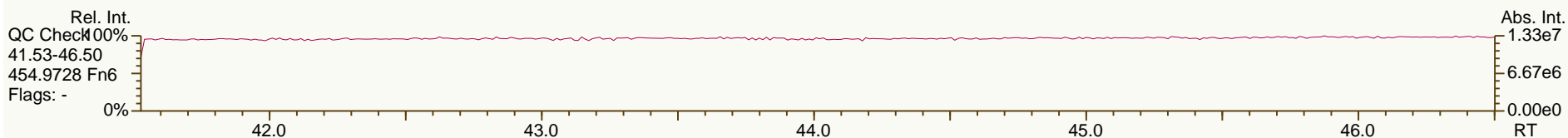
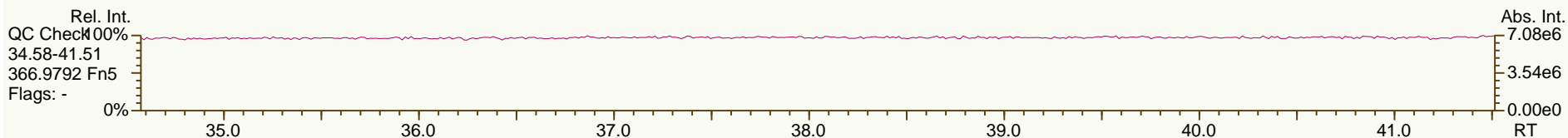
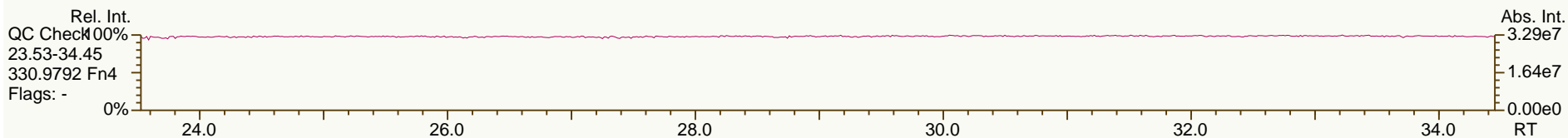
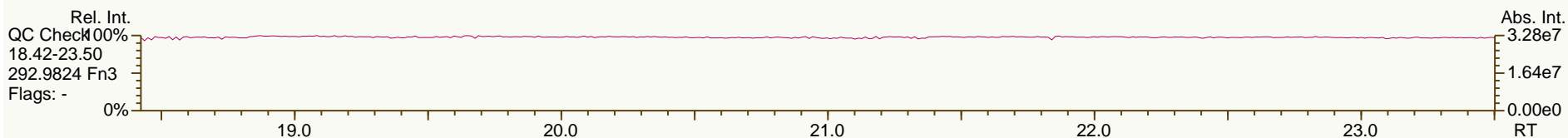
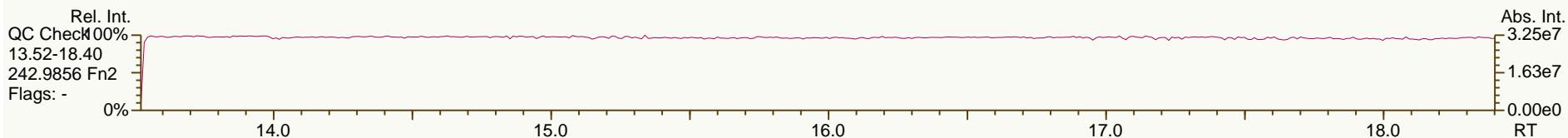
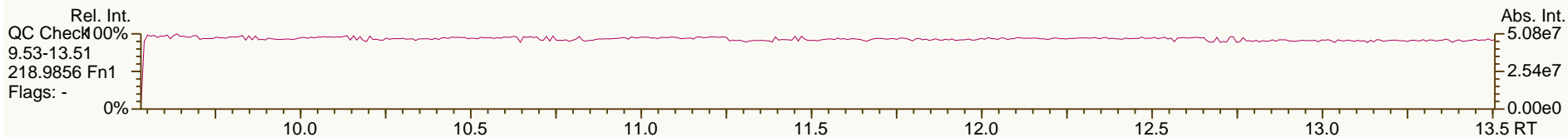
Acq: 03-Jul-2012 14:13:08
 User: LKB Datafile: 120703S03



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

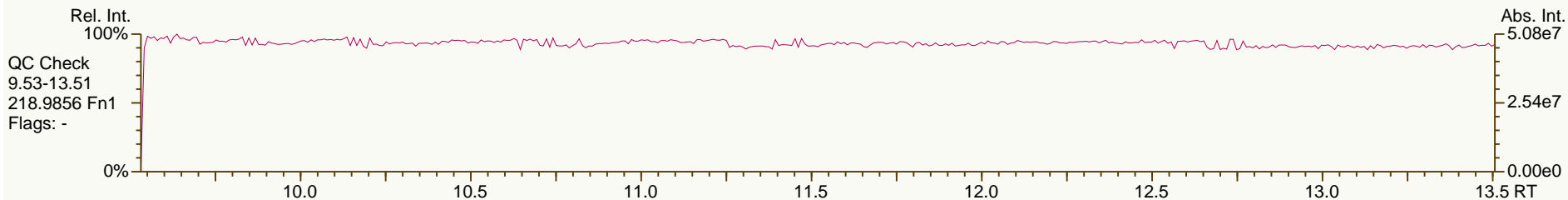
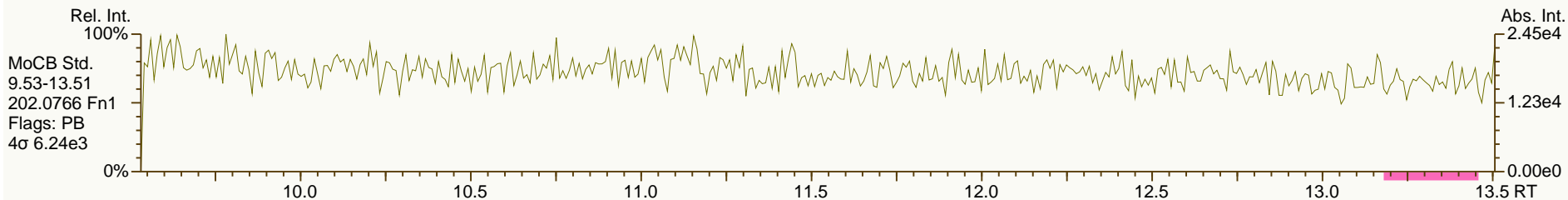
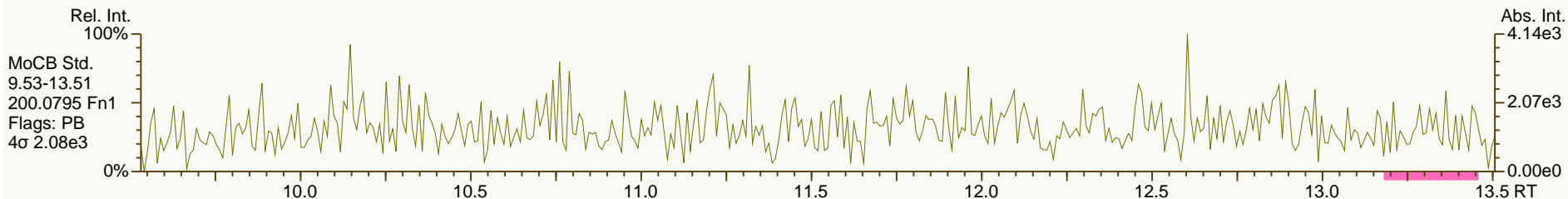
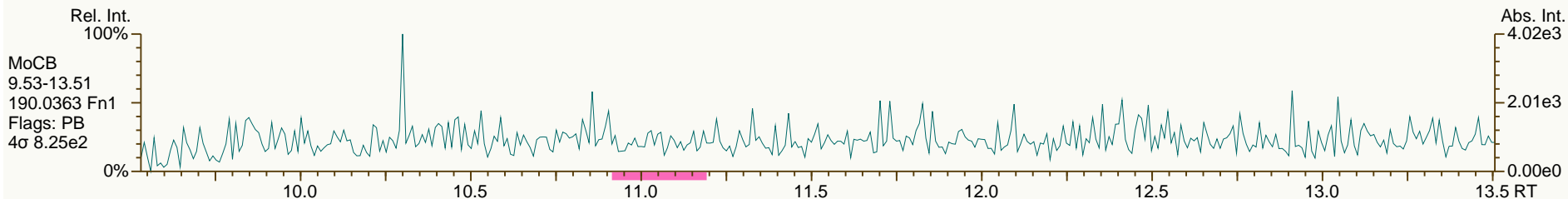
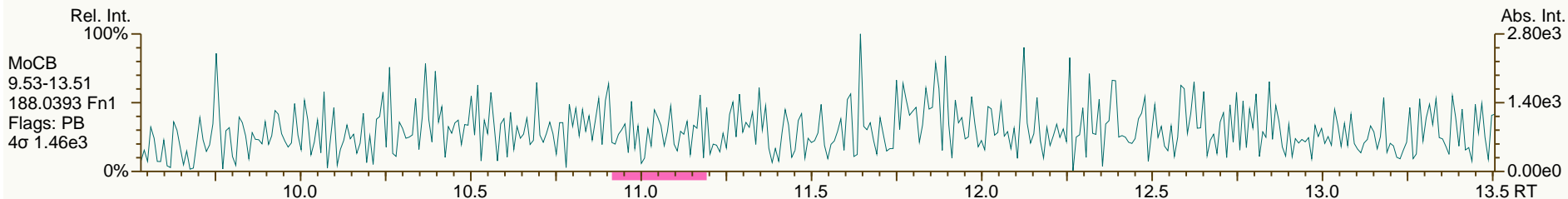
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

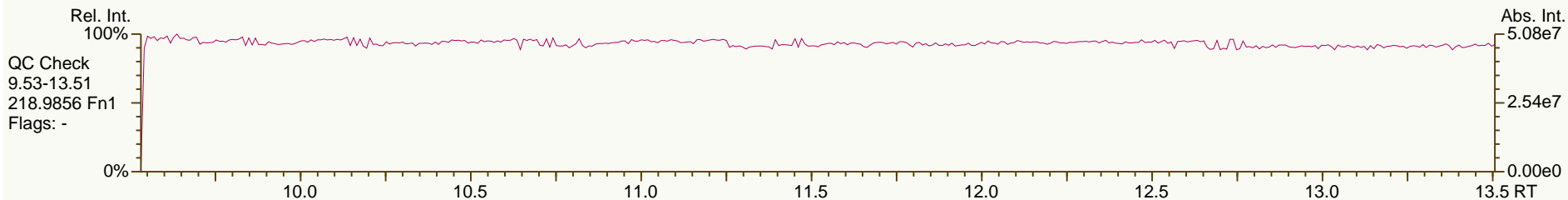
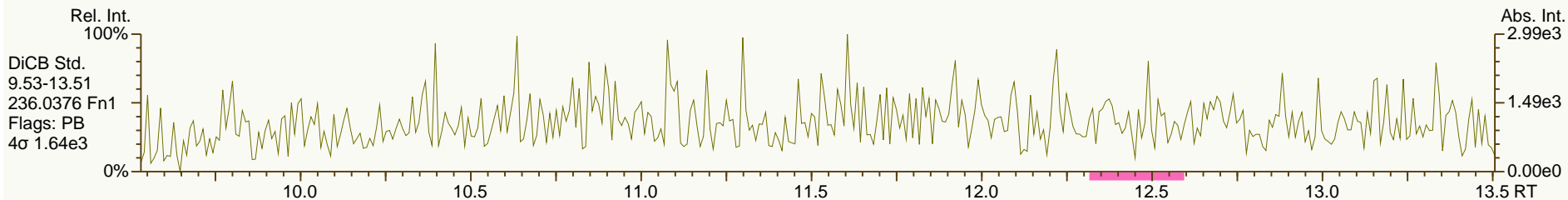
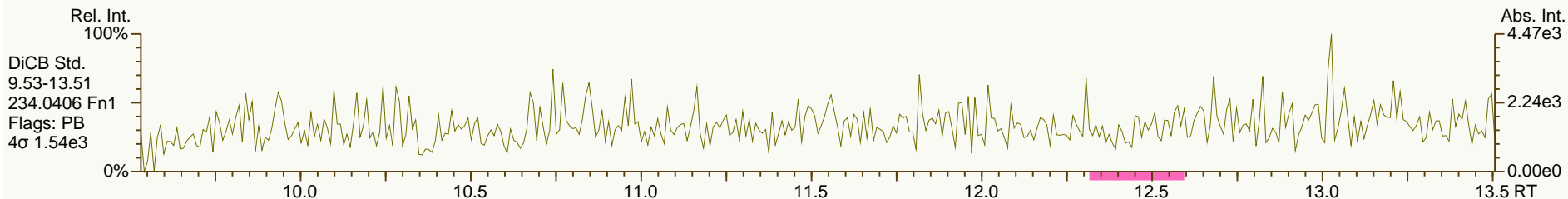
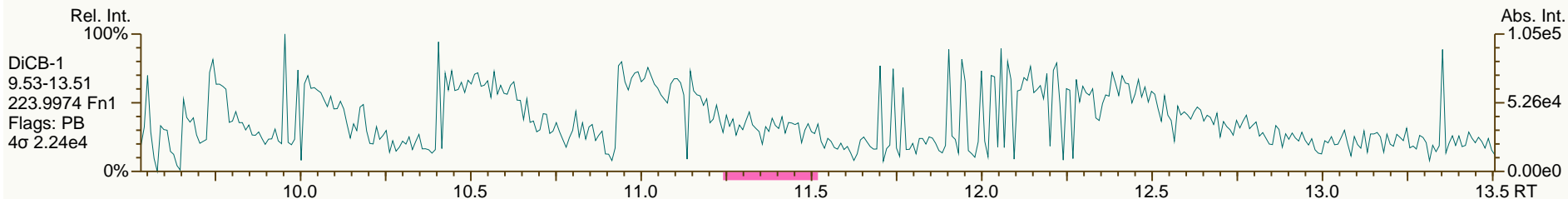
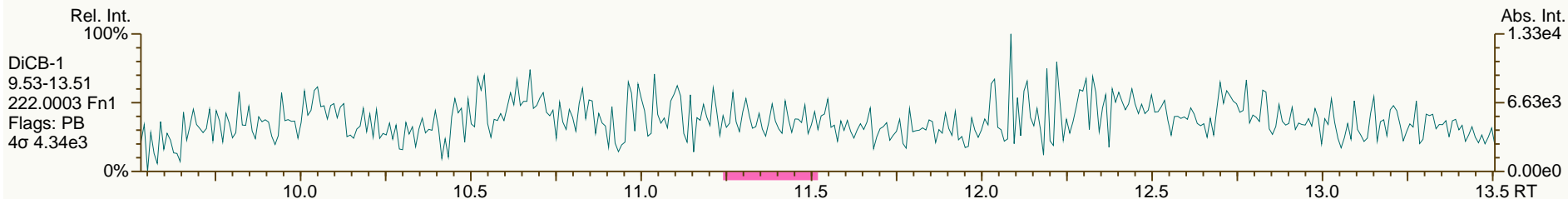
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

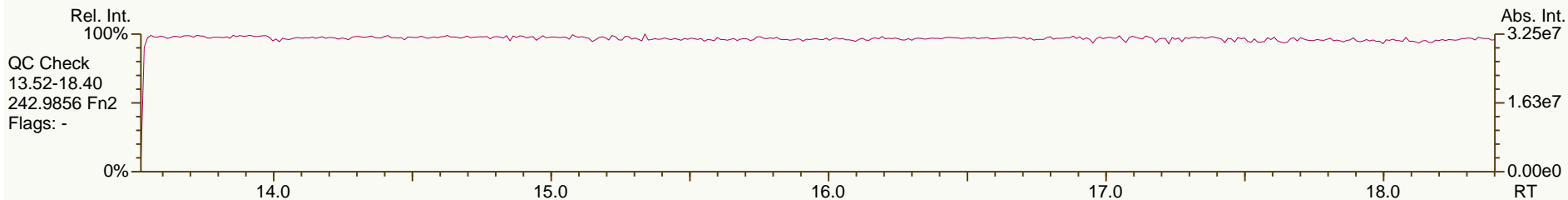
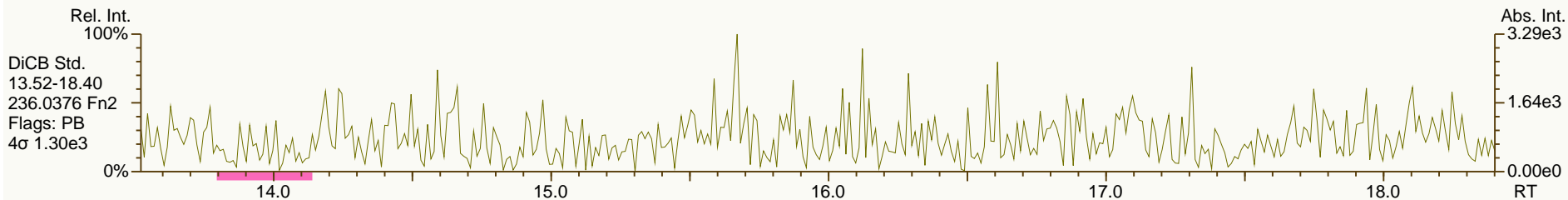
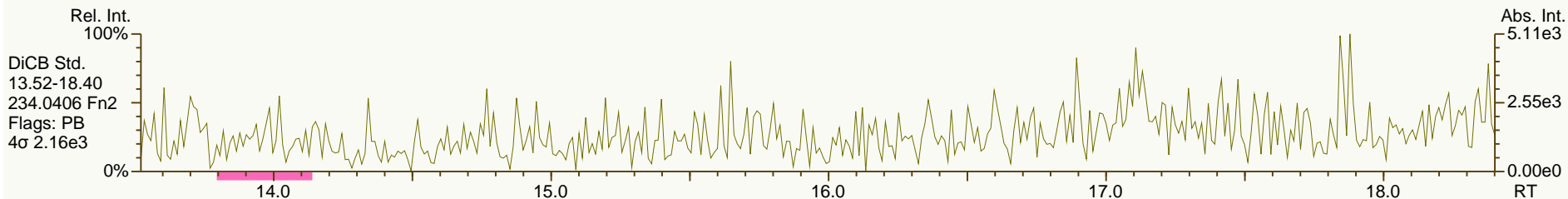
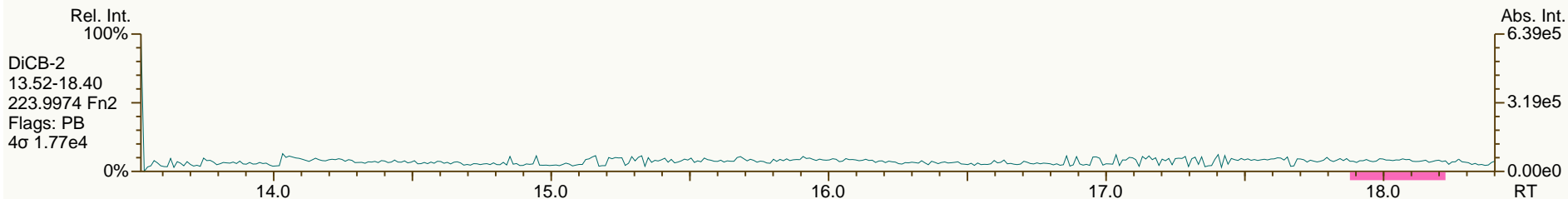
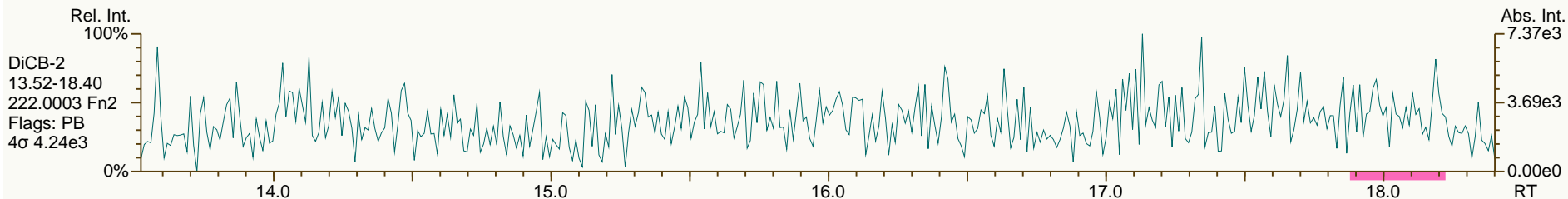
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

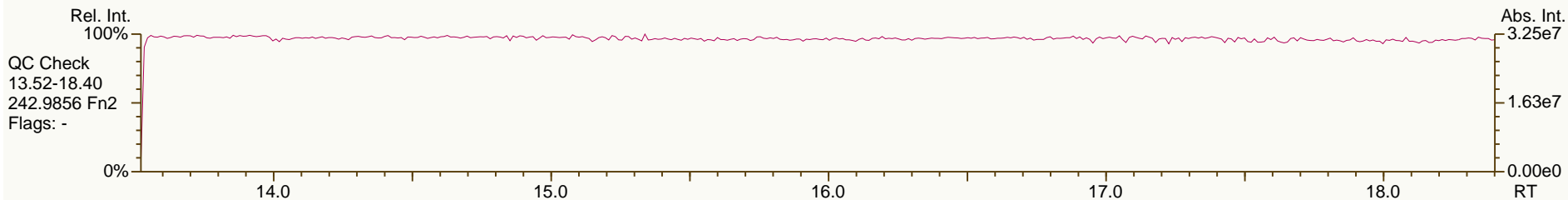
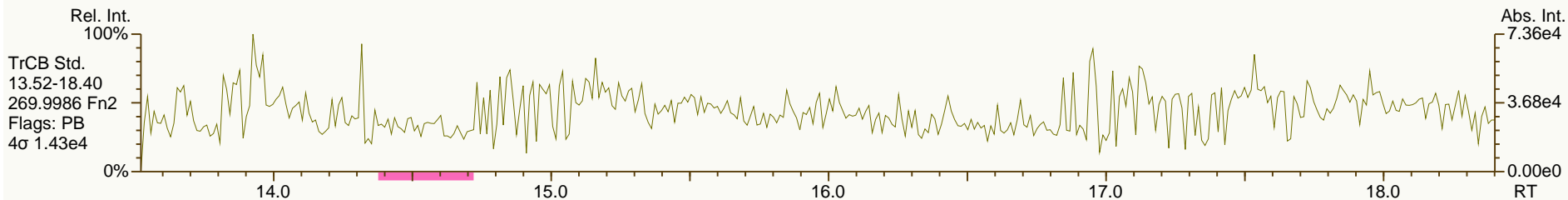
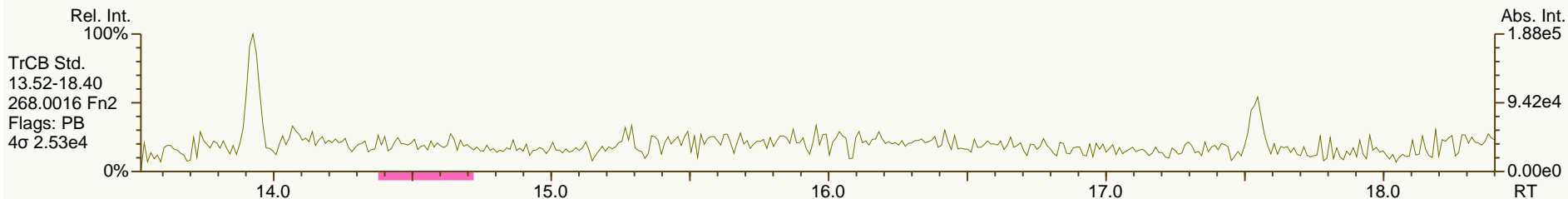
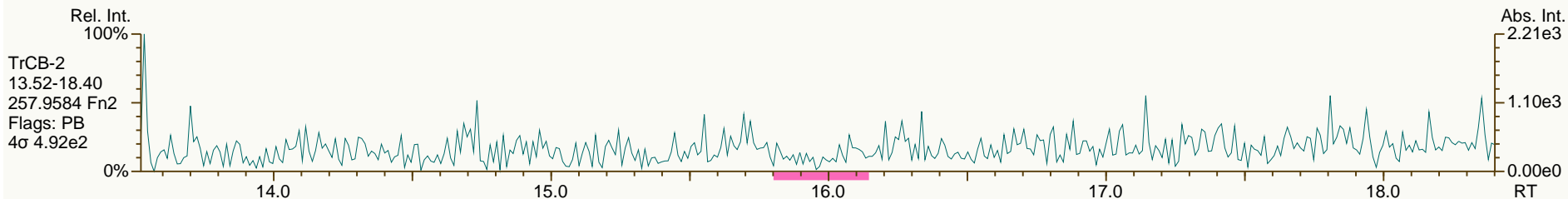
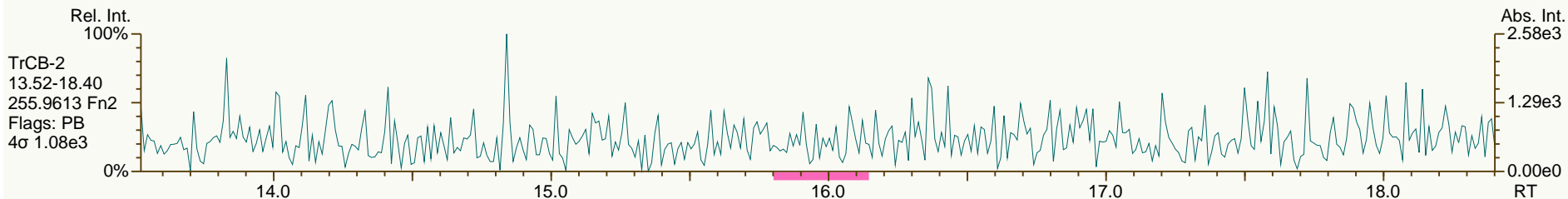
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

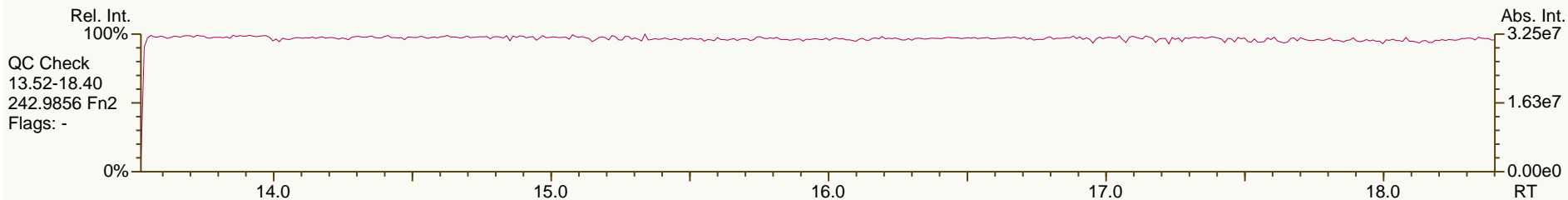
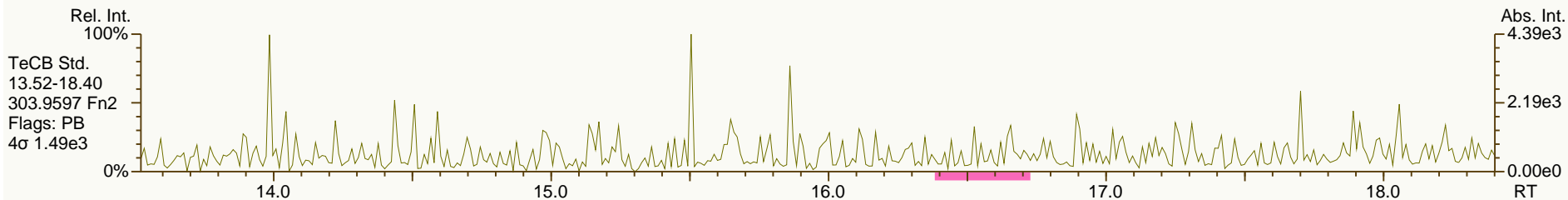
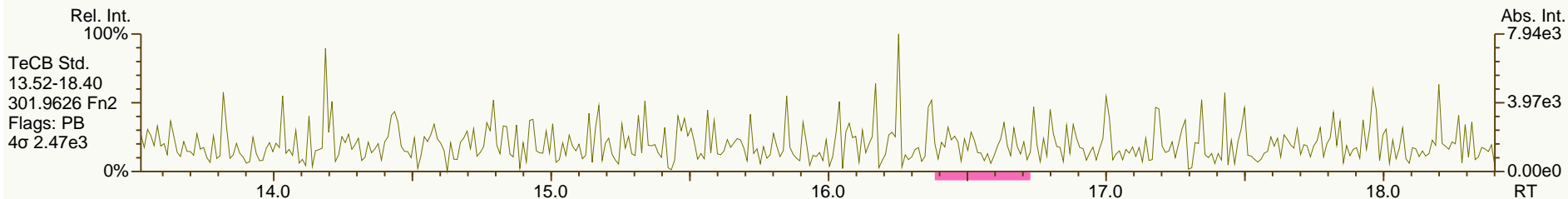
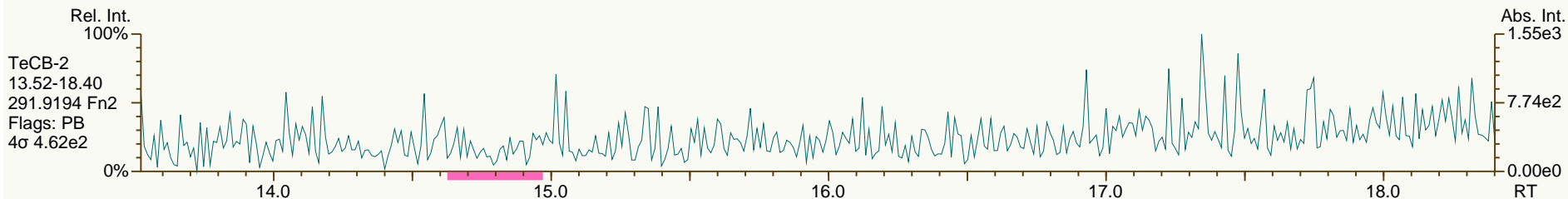
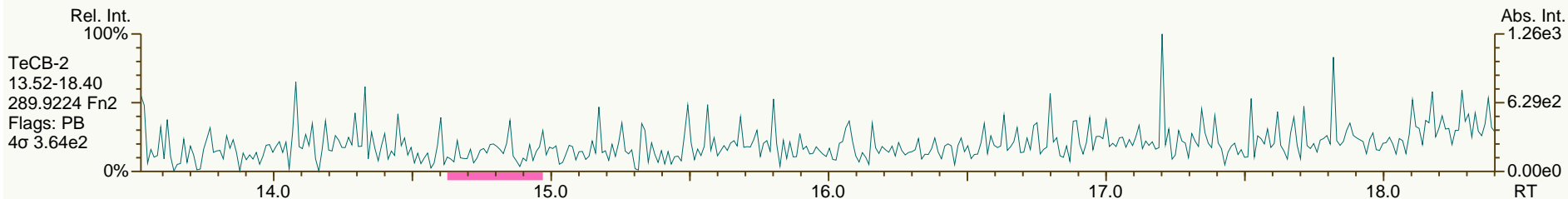
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

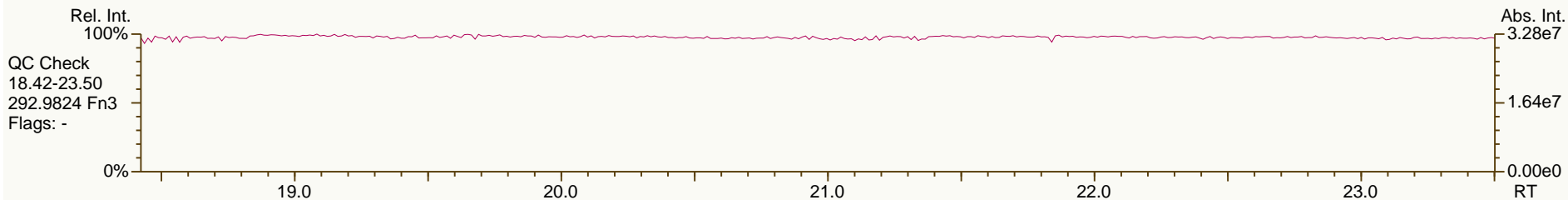
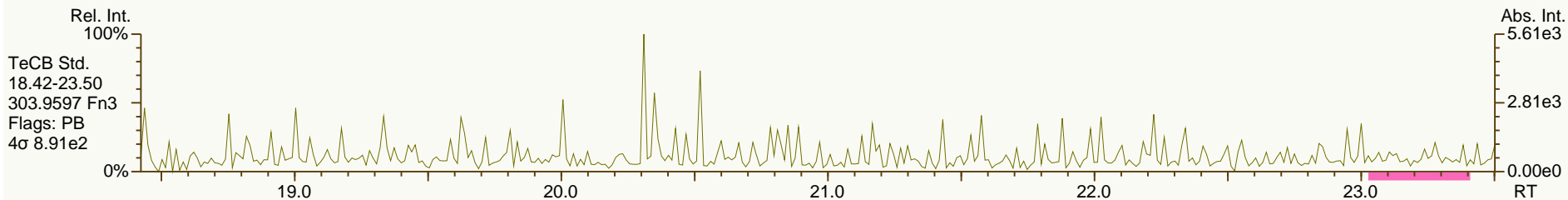
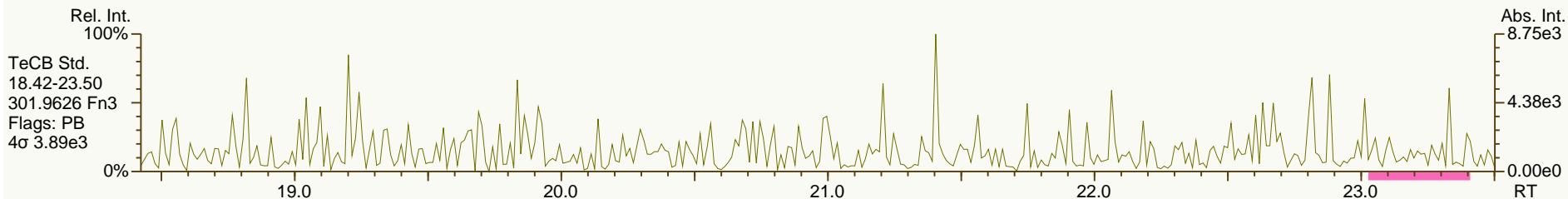
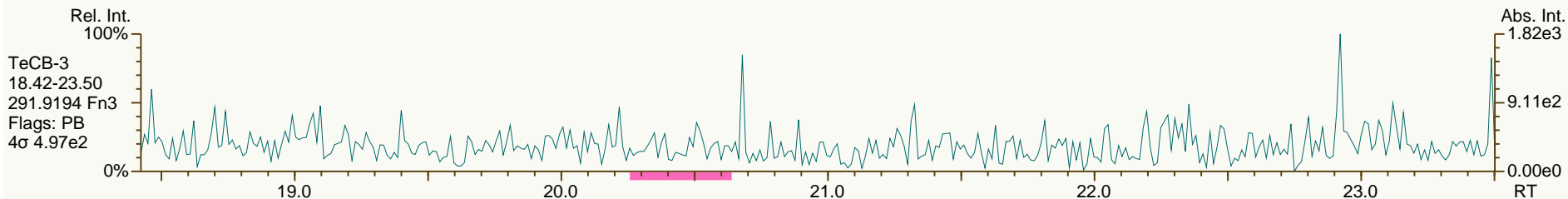
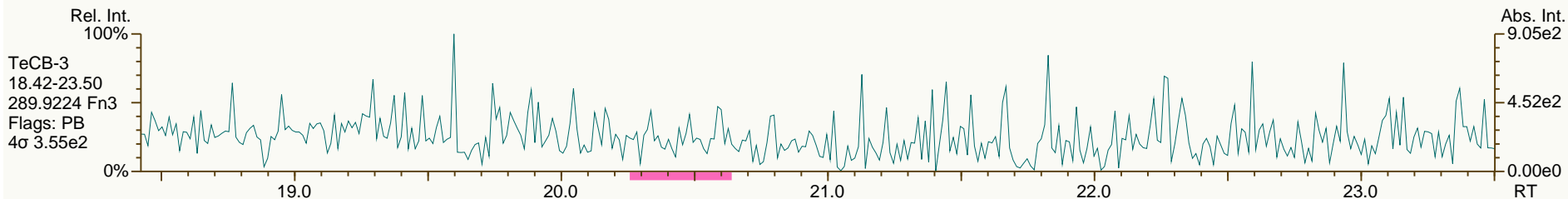
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

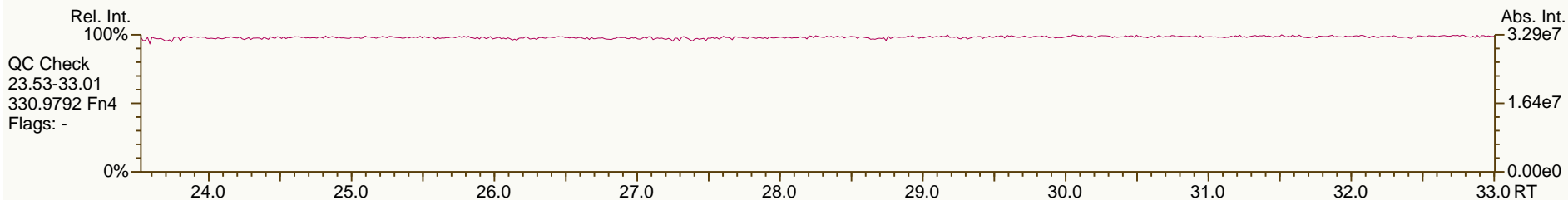
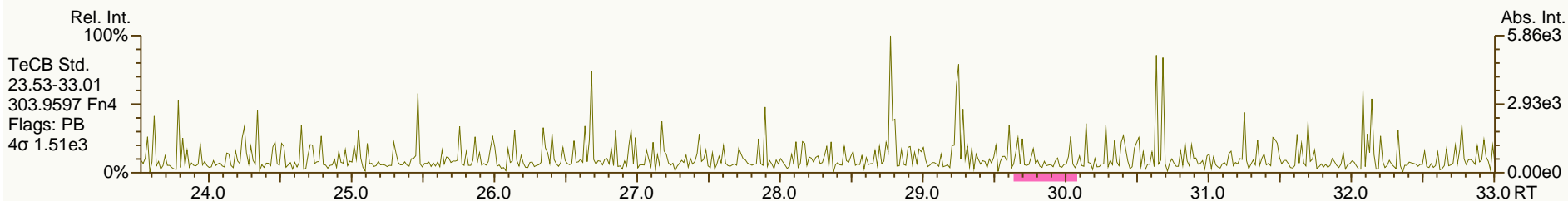
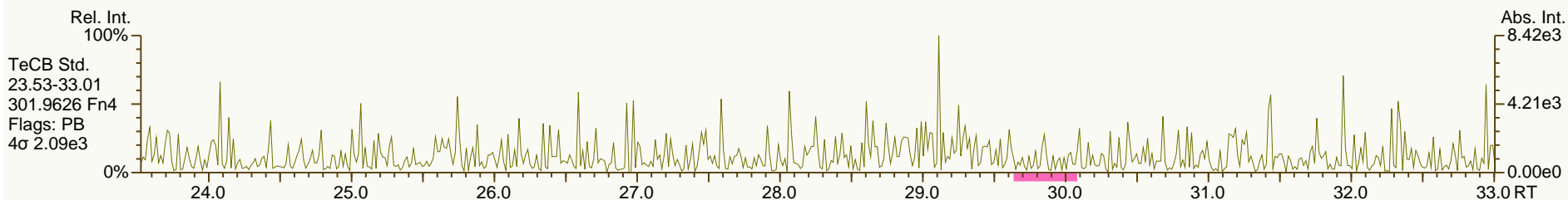
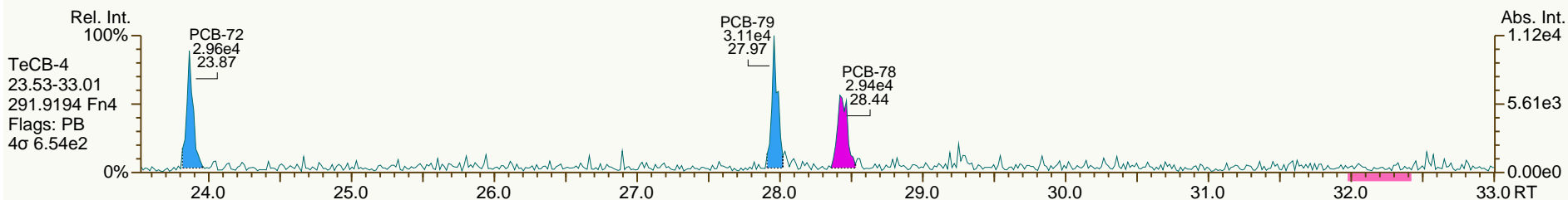
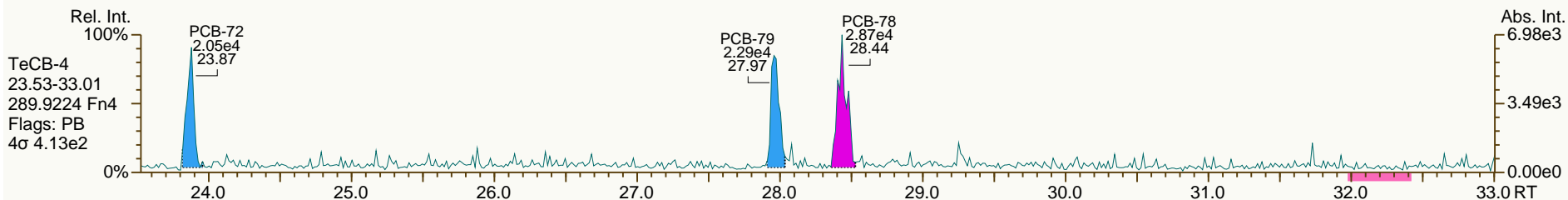
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

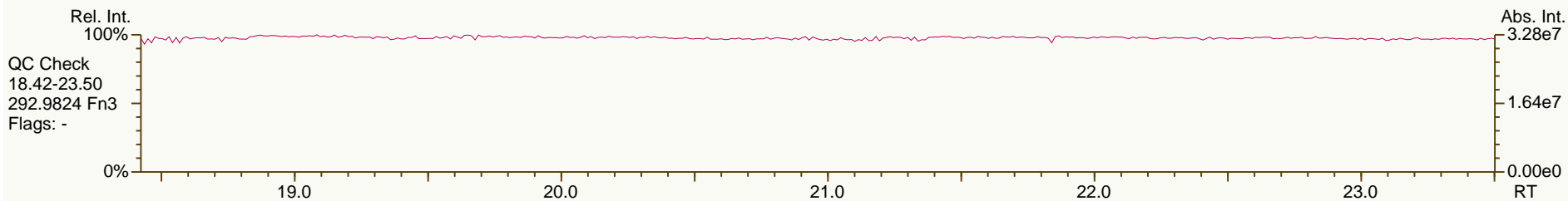
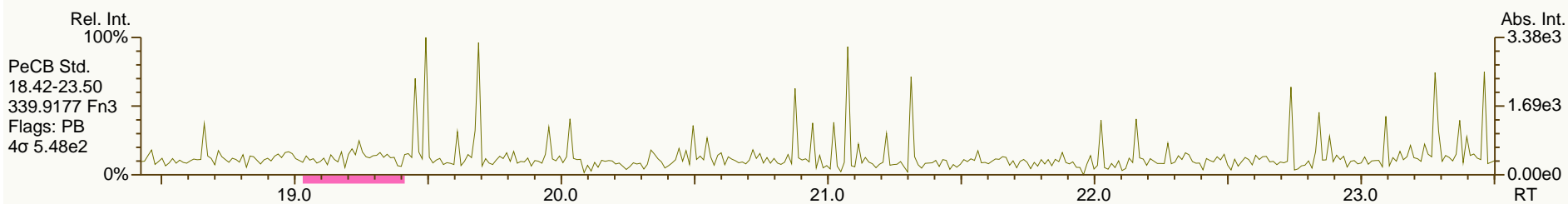
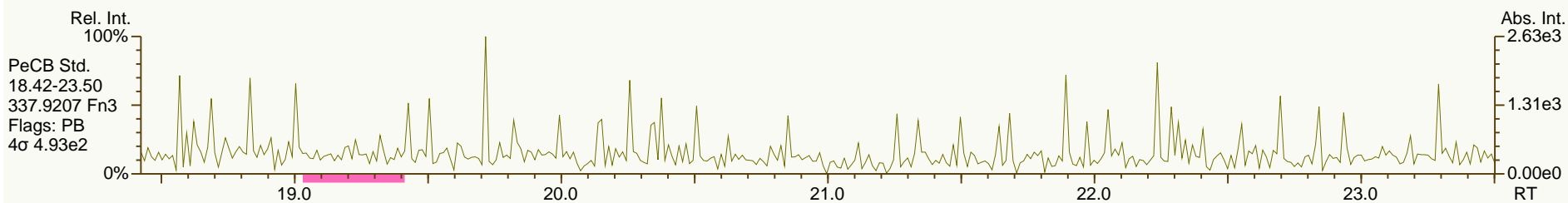
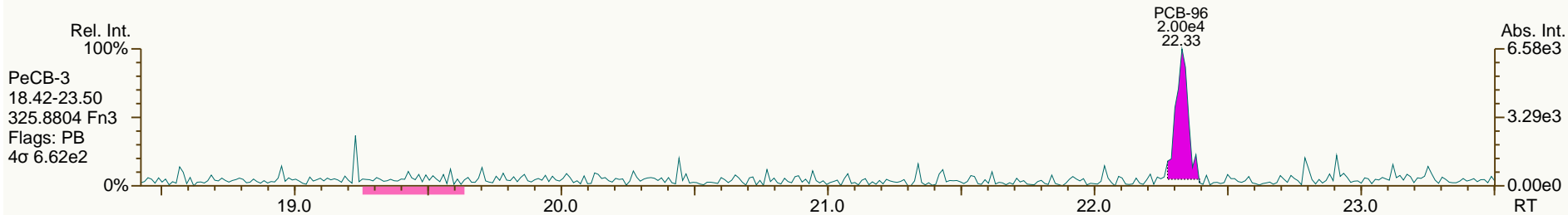
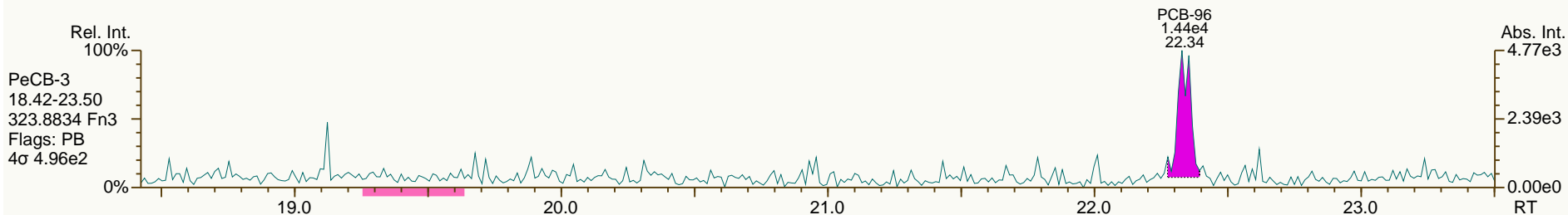
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

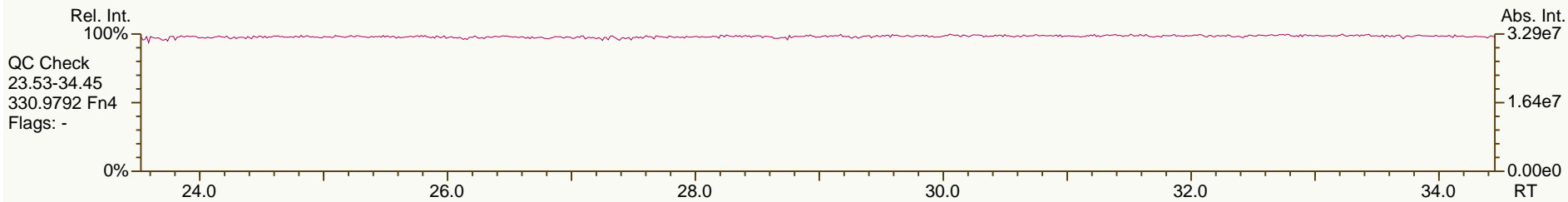
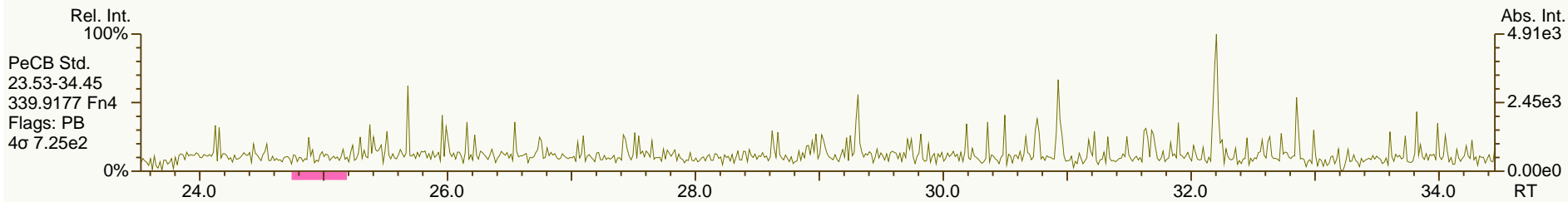
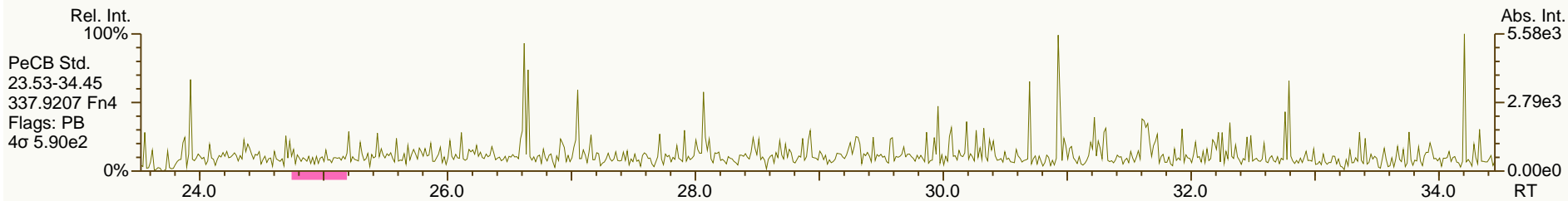
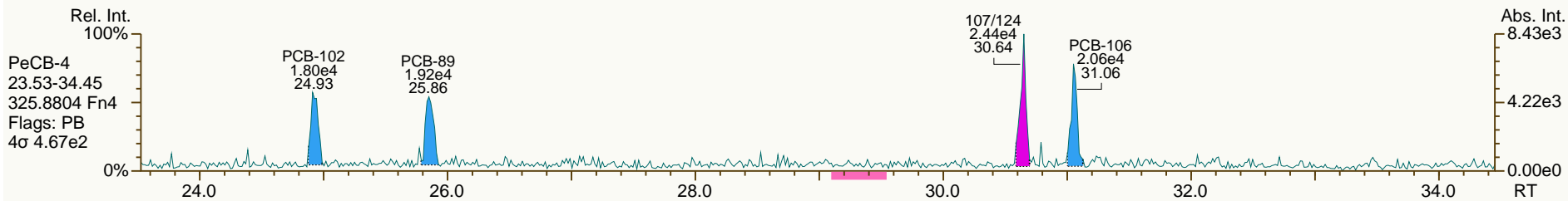
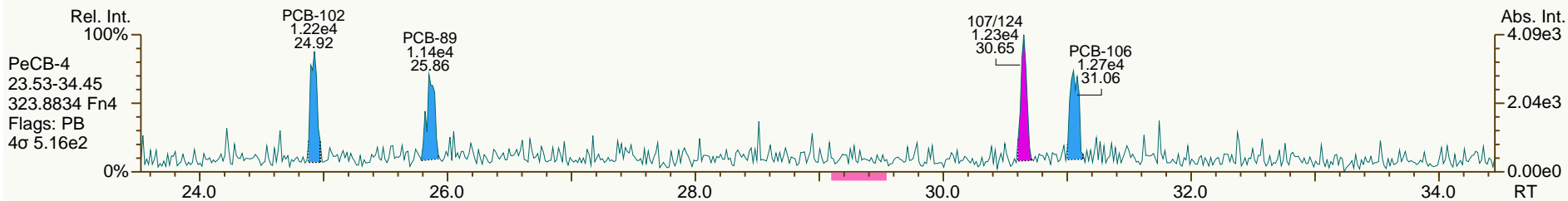
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

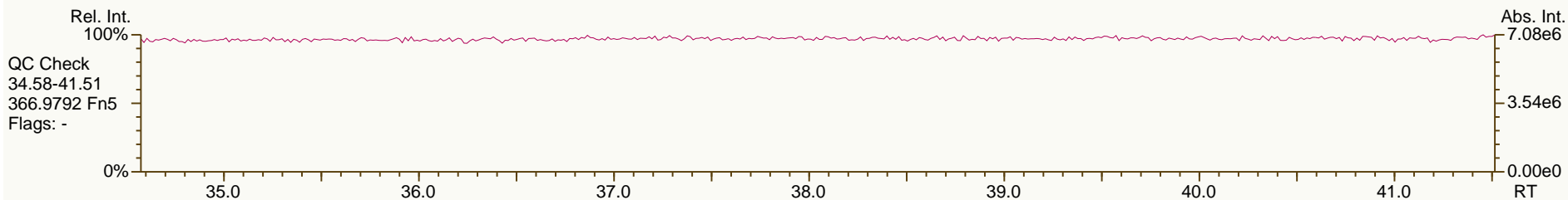
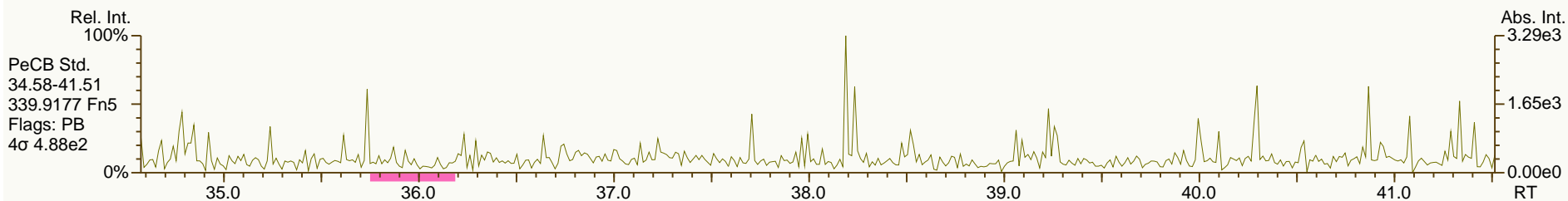
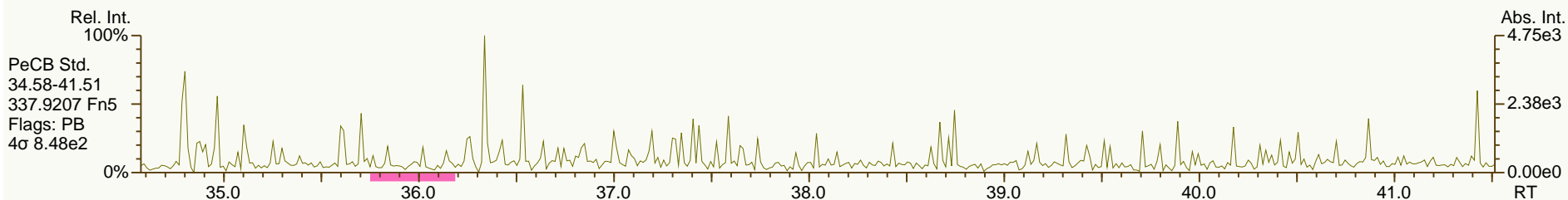
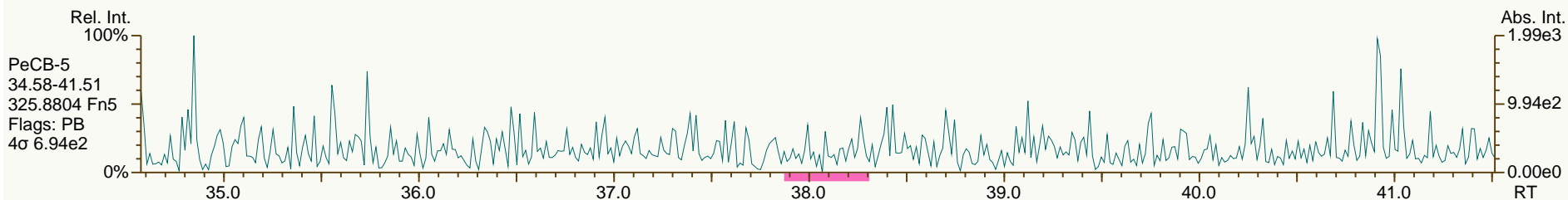
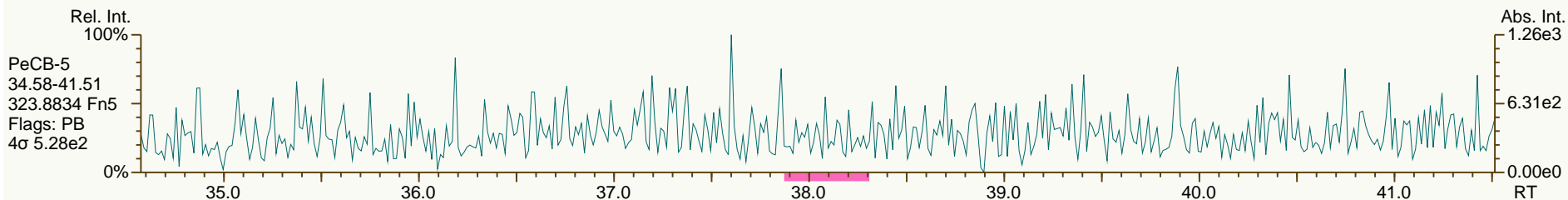
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

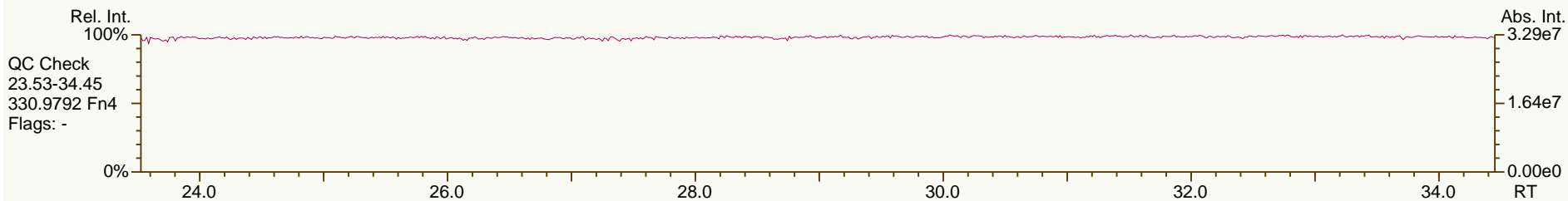
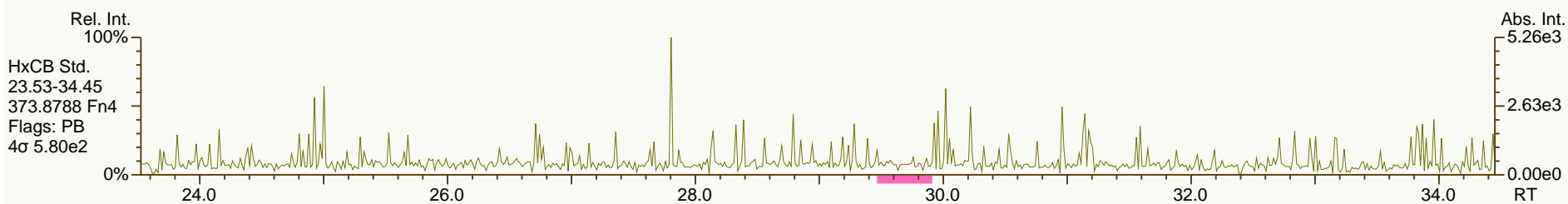
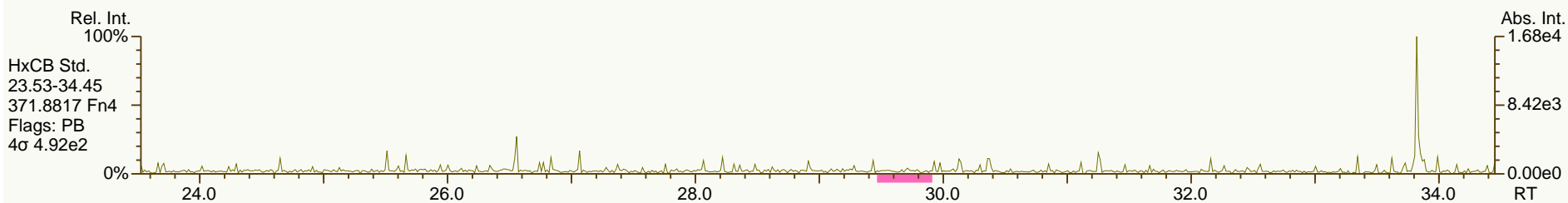
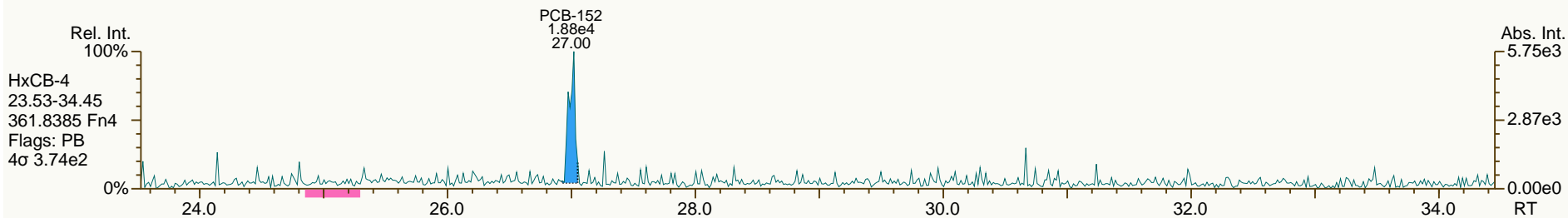
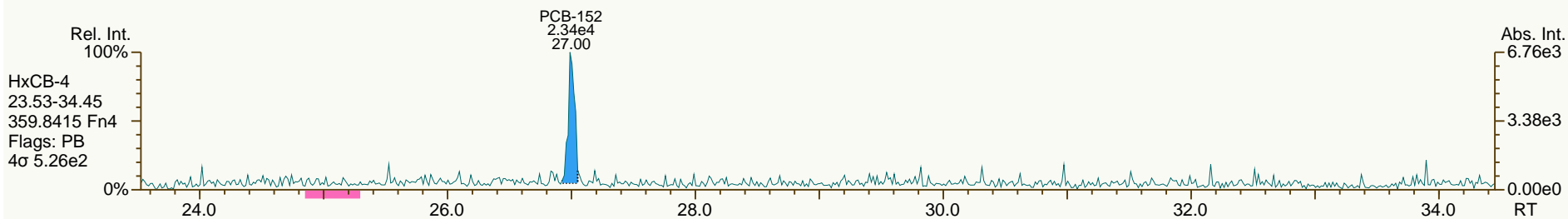
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

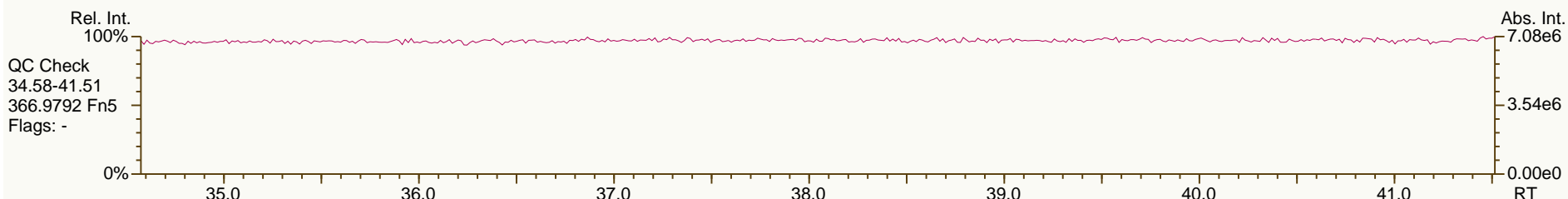
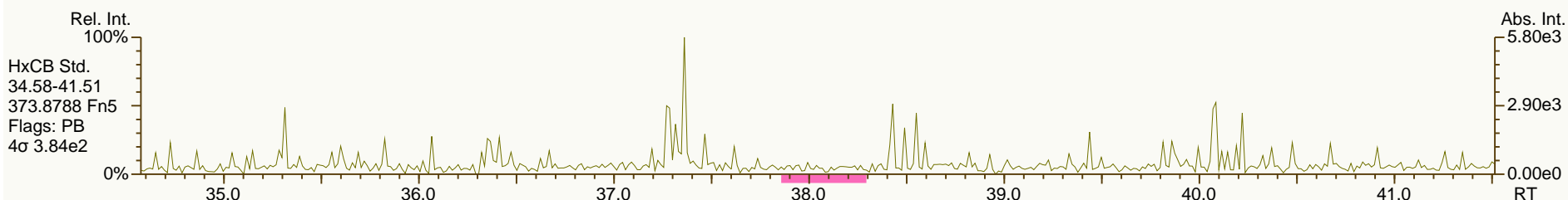
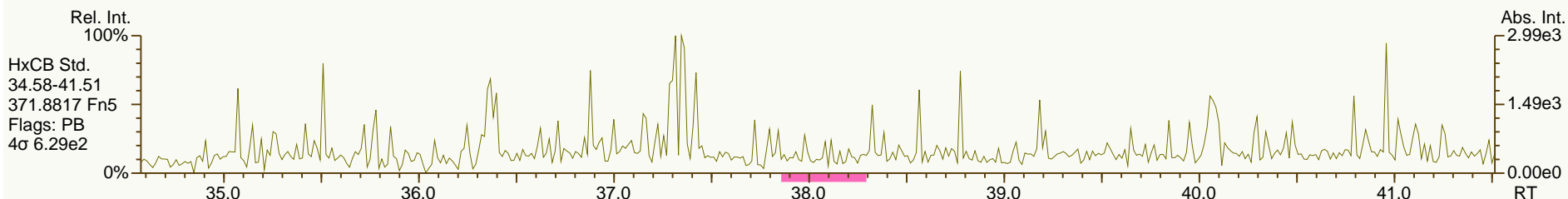
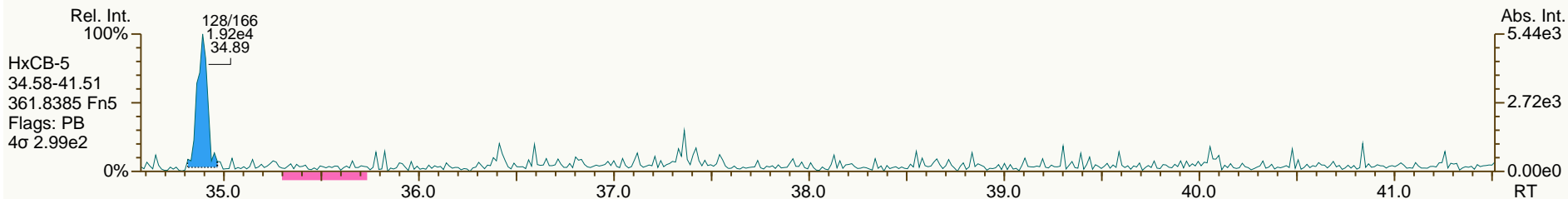
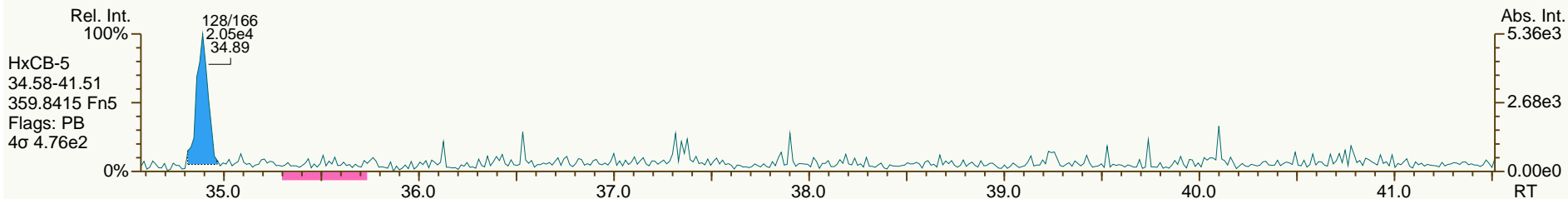
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

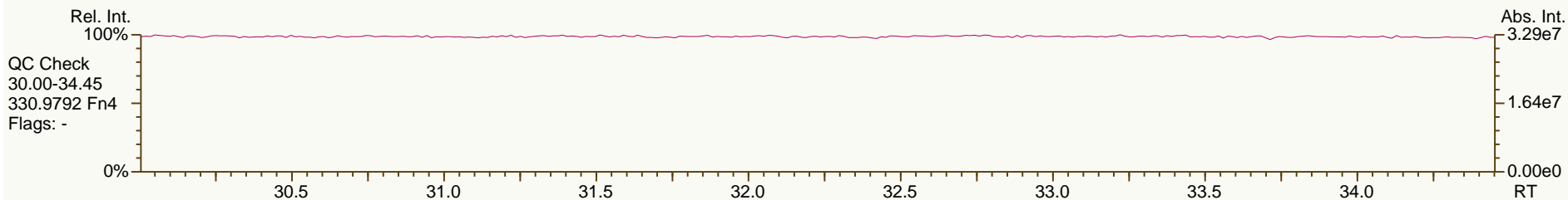
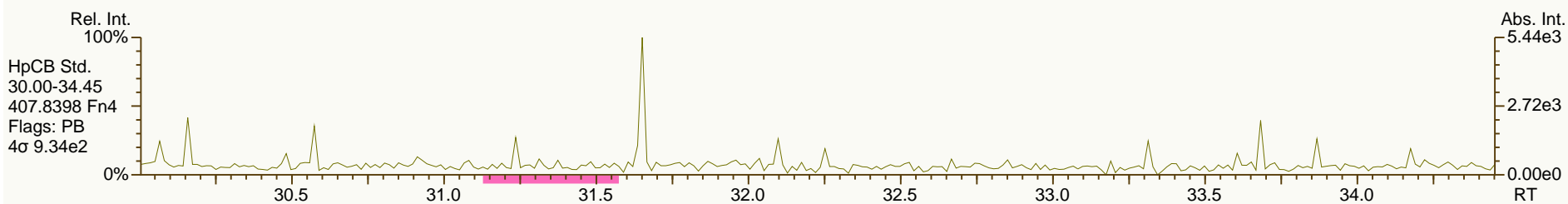
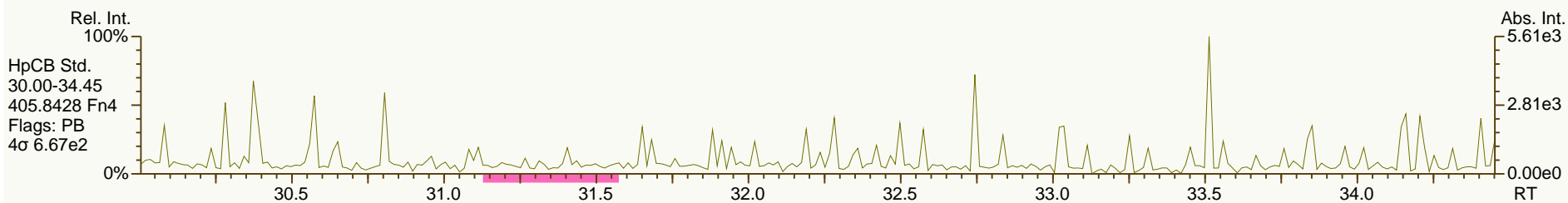
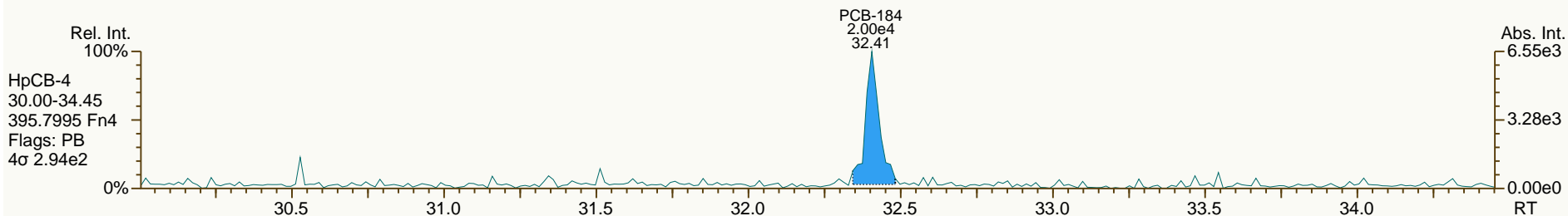
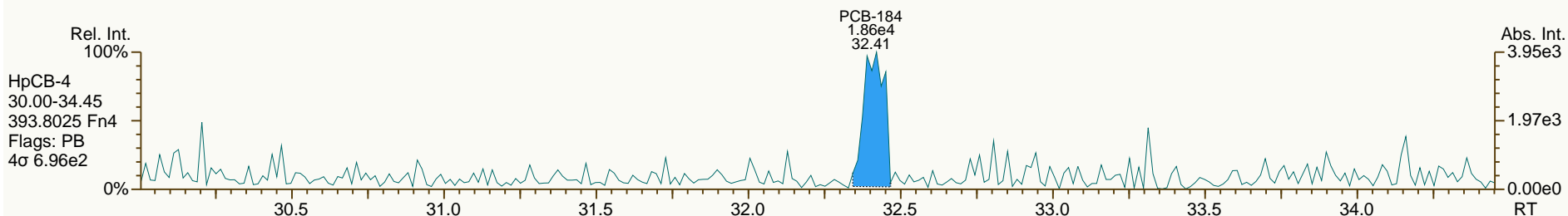
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

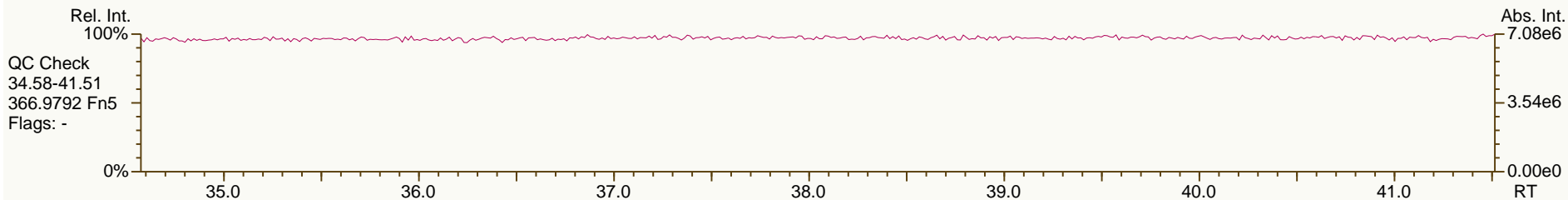
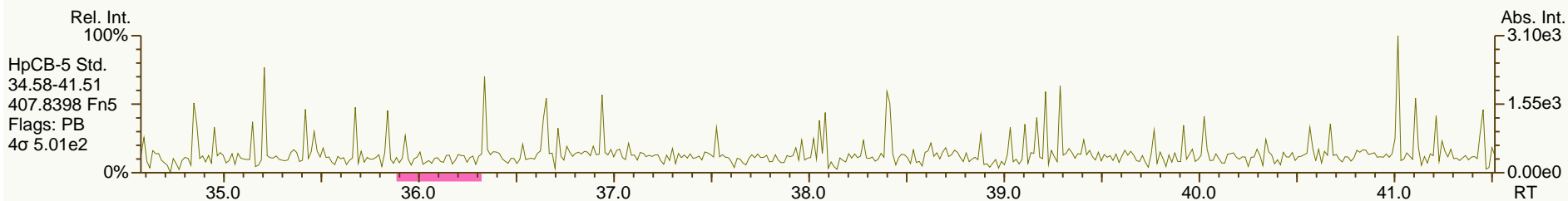
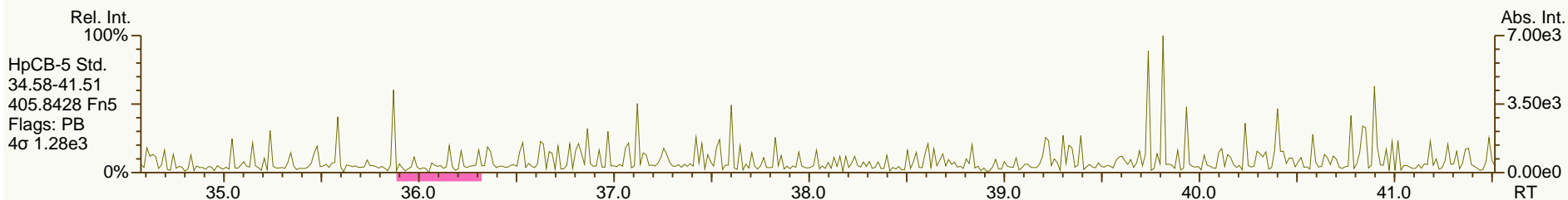
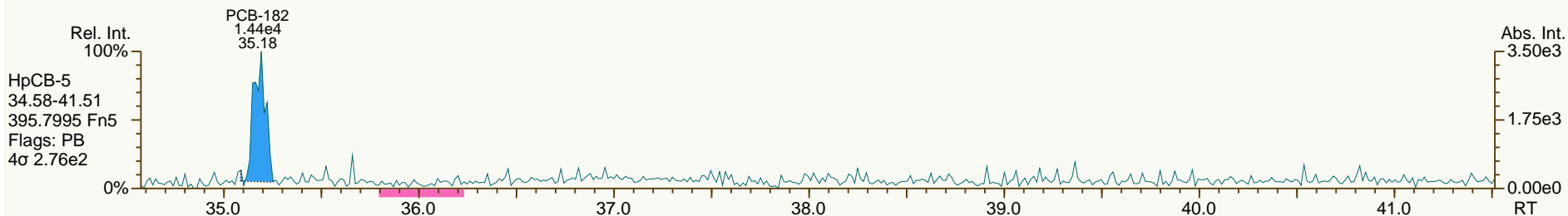
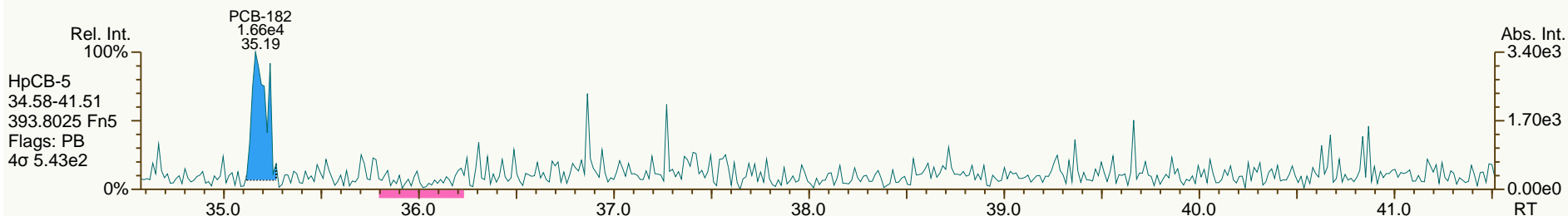
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

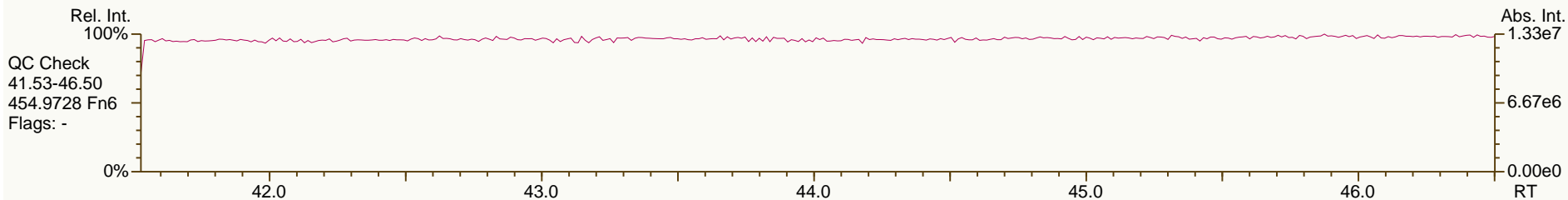
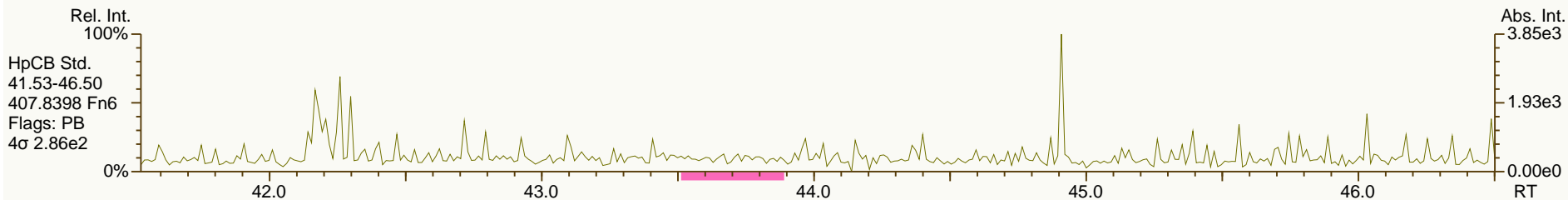
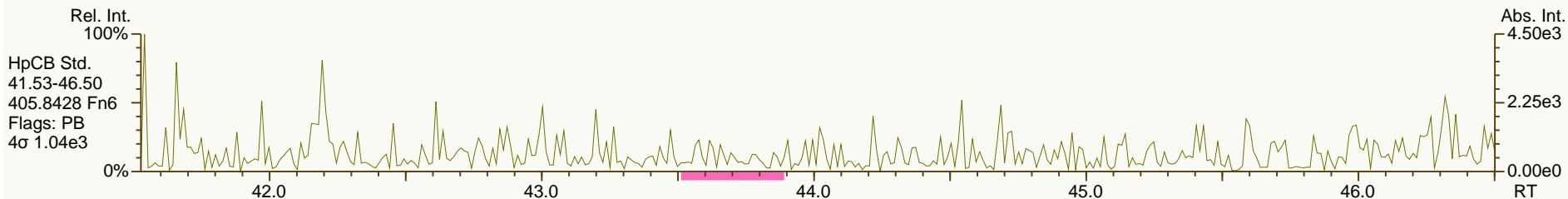
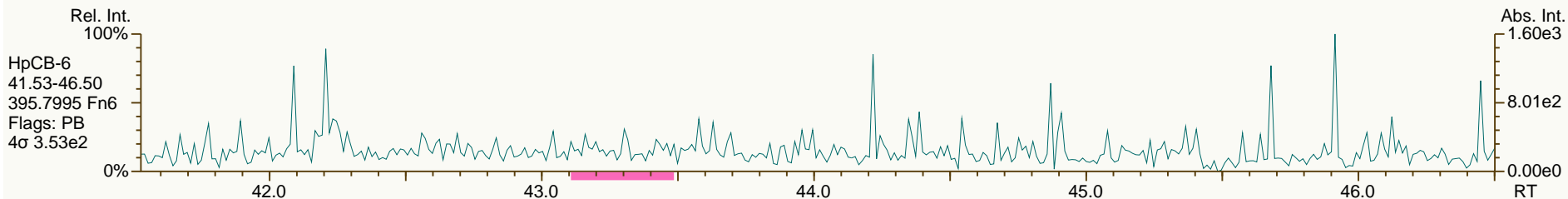
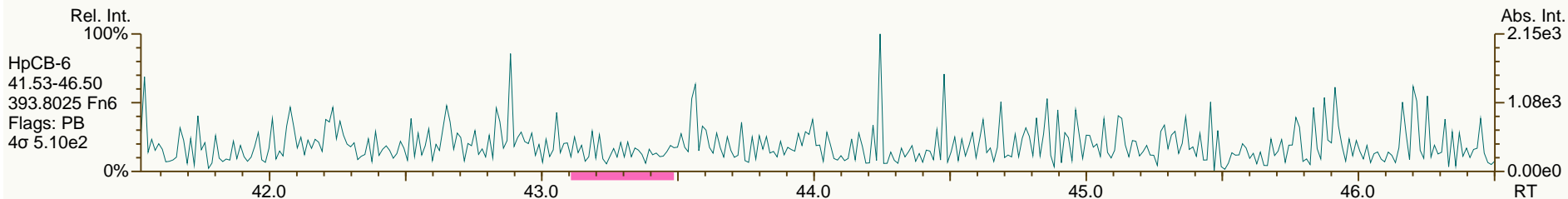
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

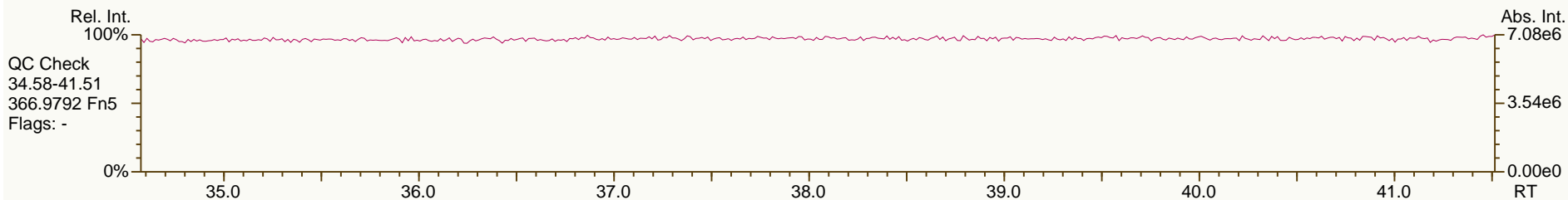
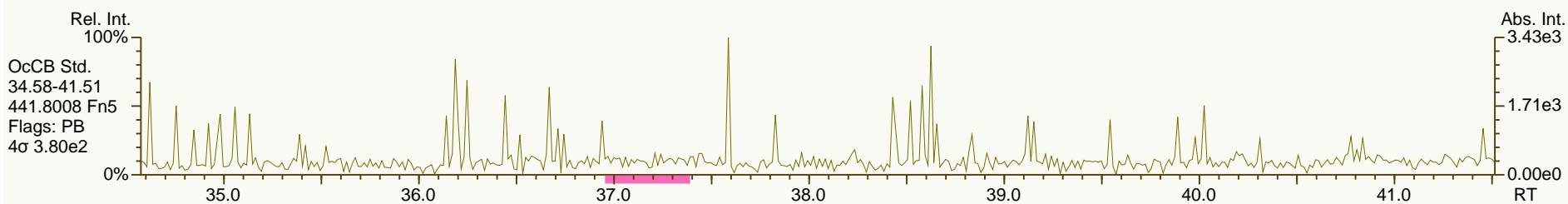
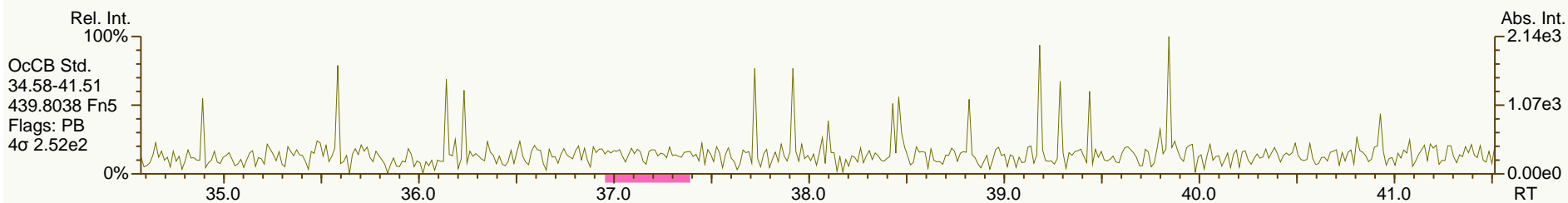
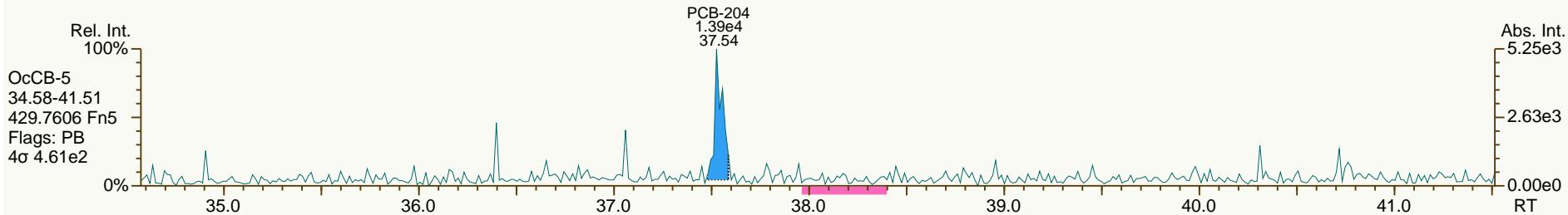
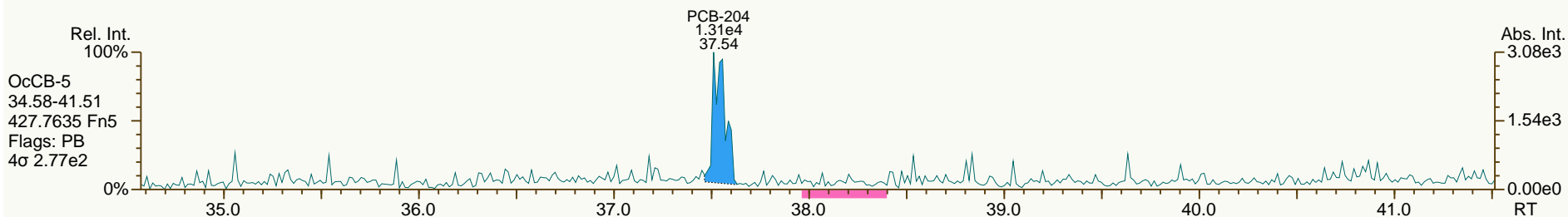
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

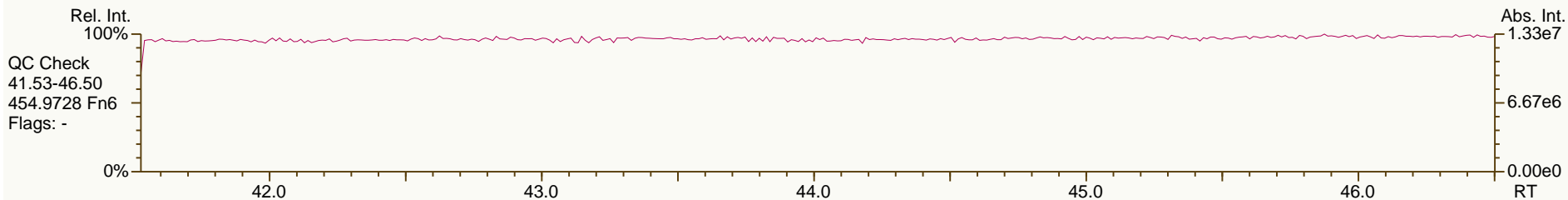
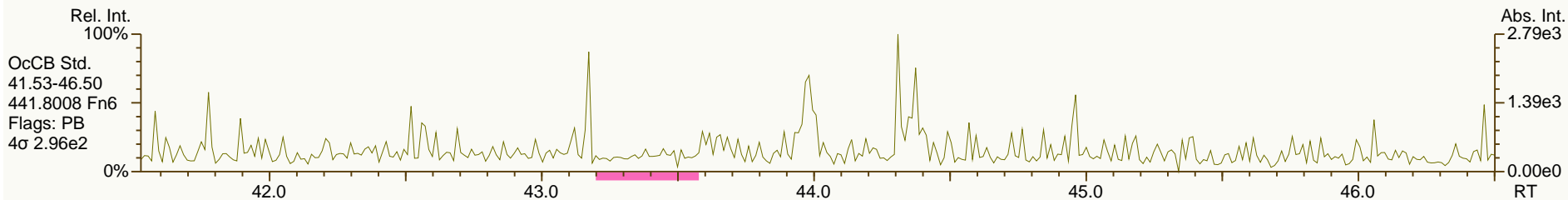
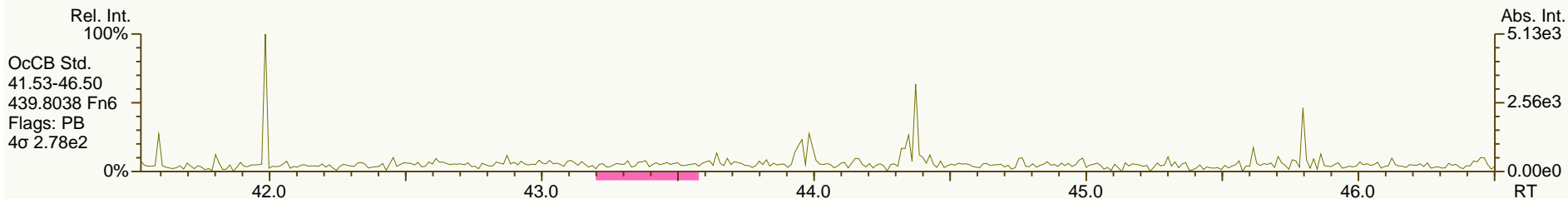
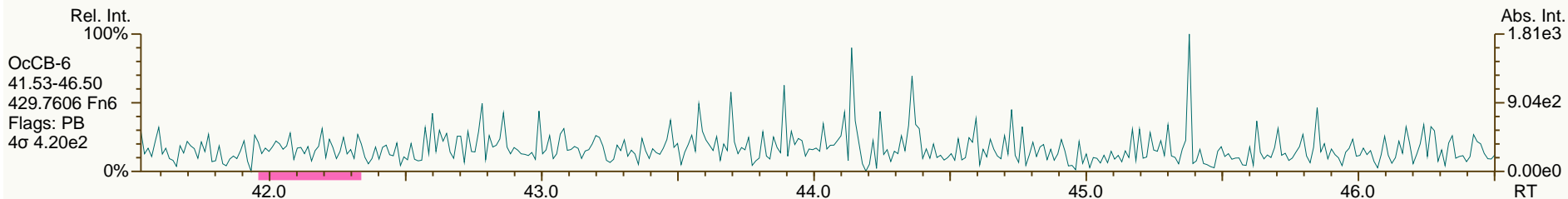
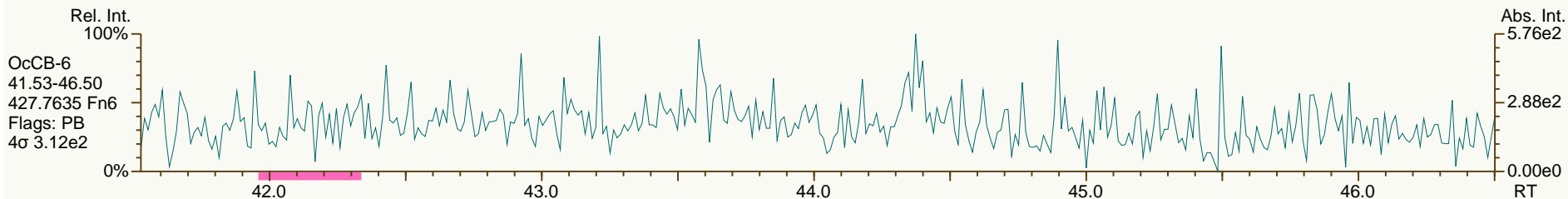
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

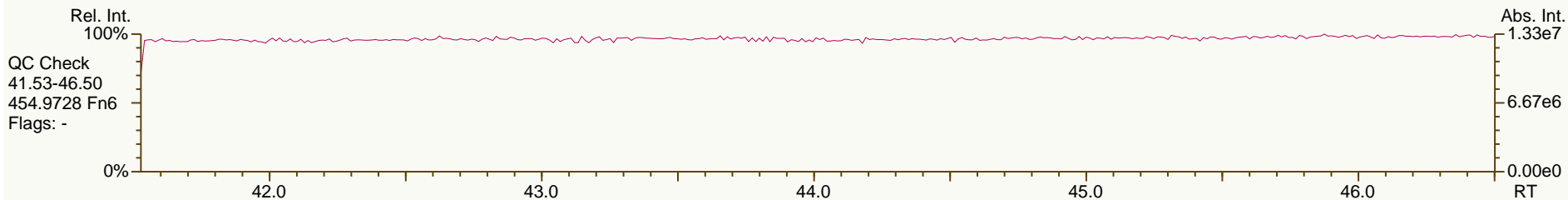
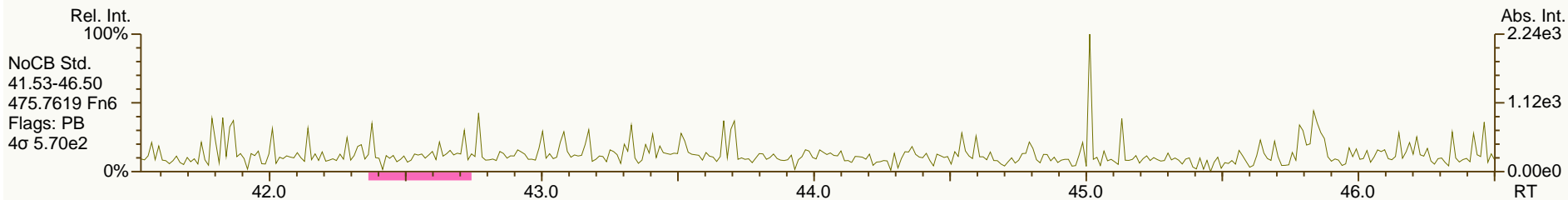
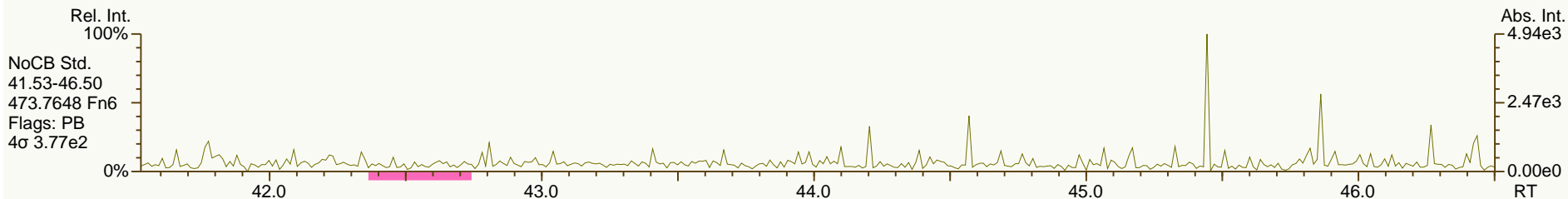
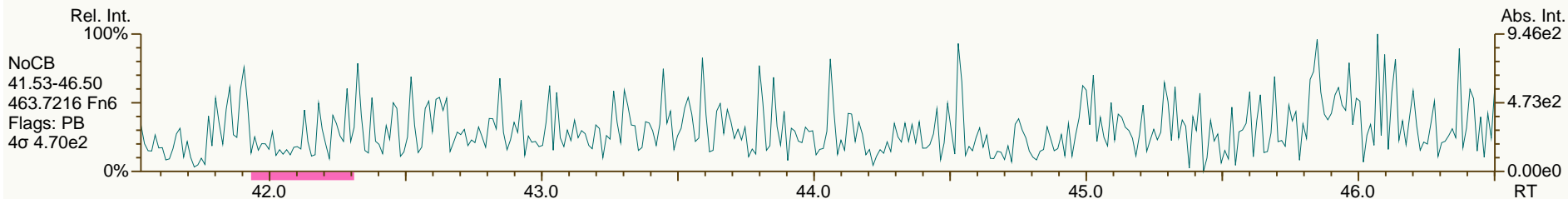
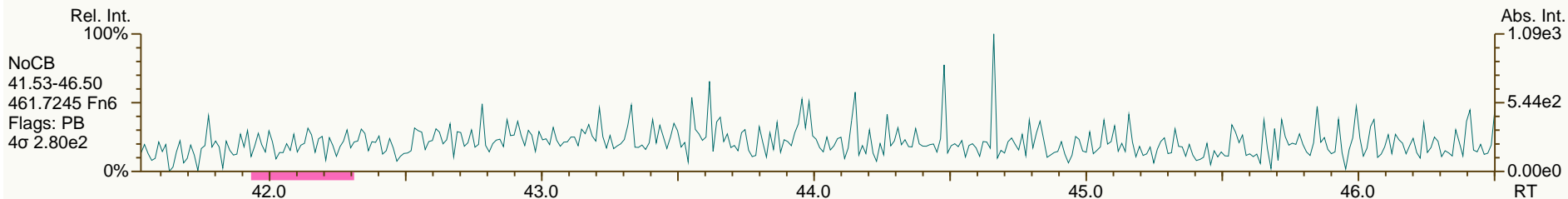
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

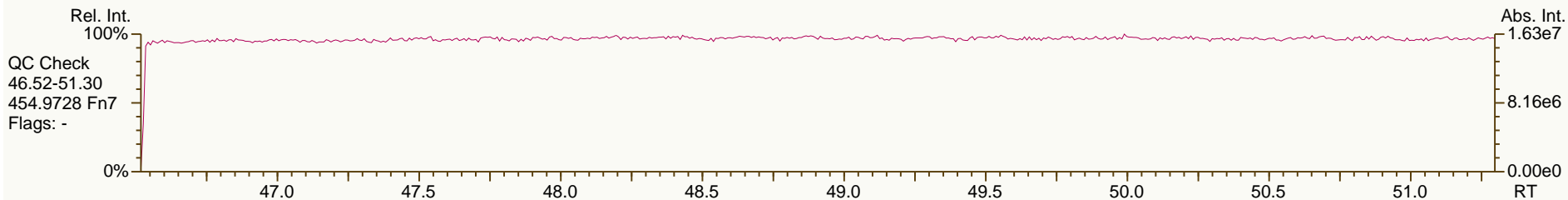
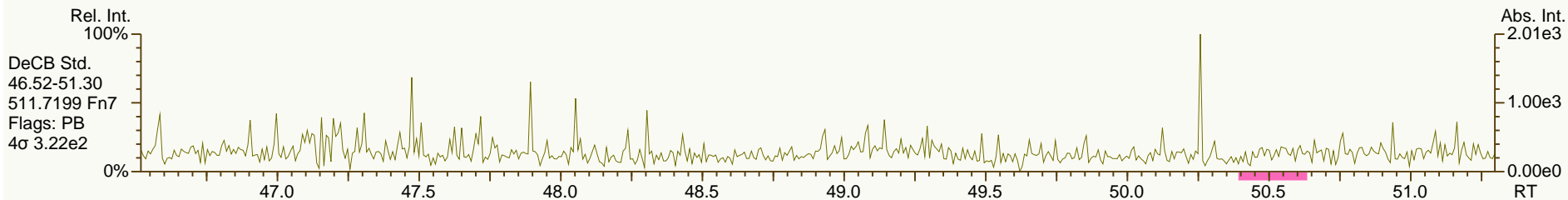
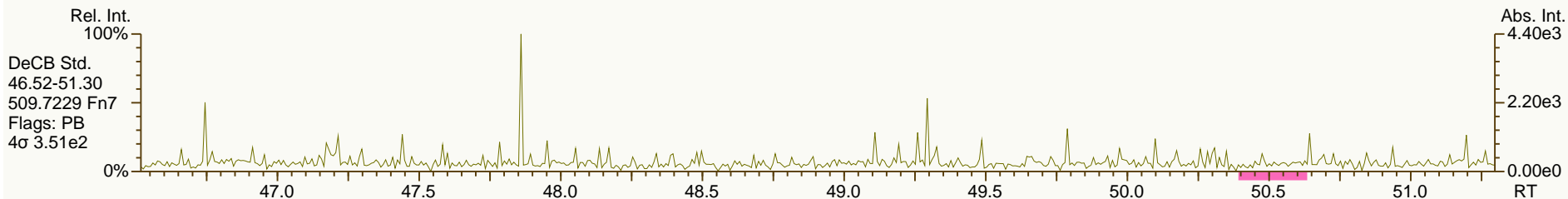
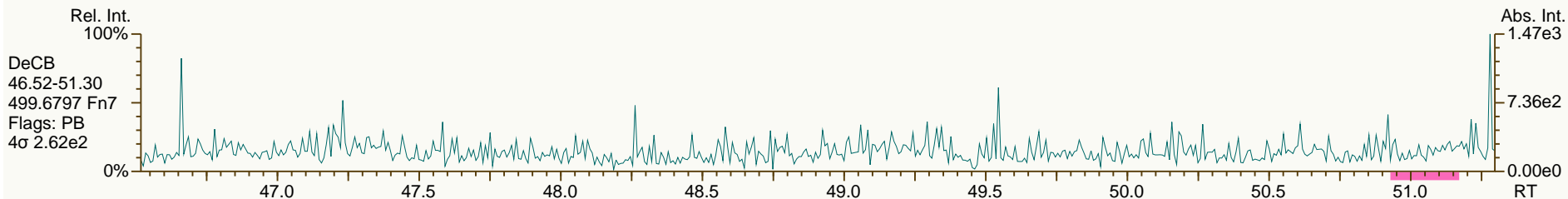
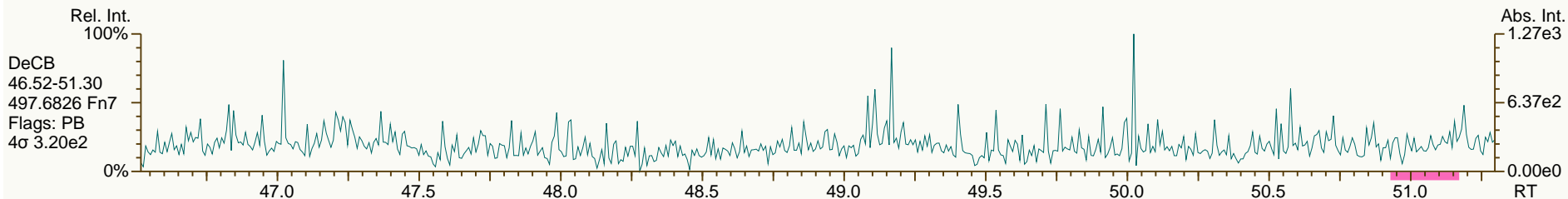
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

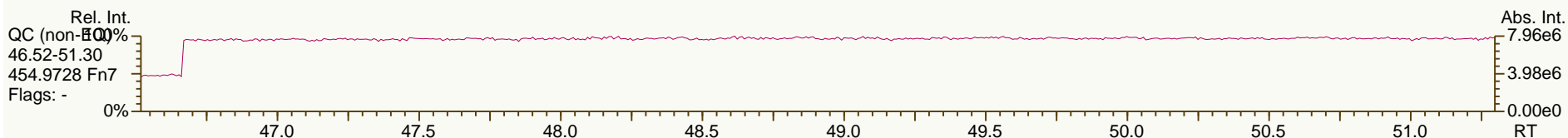
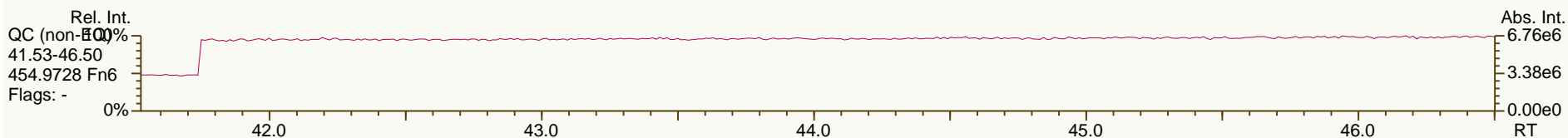
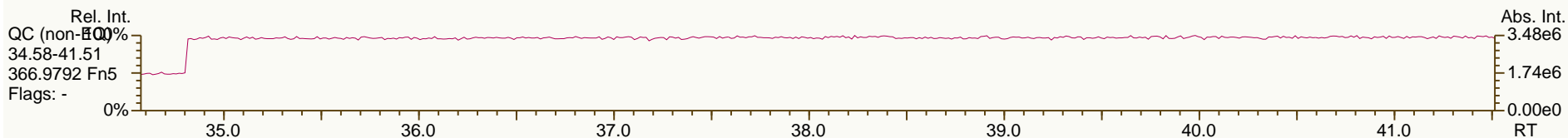
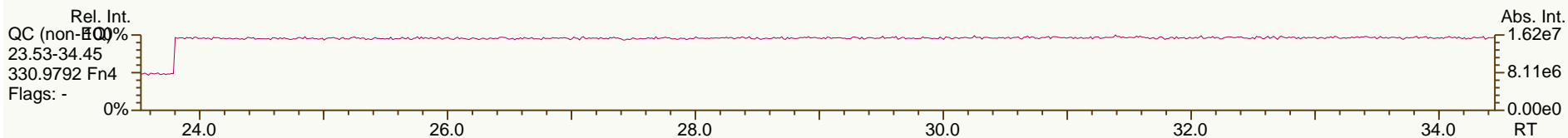
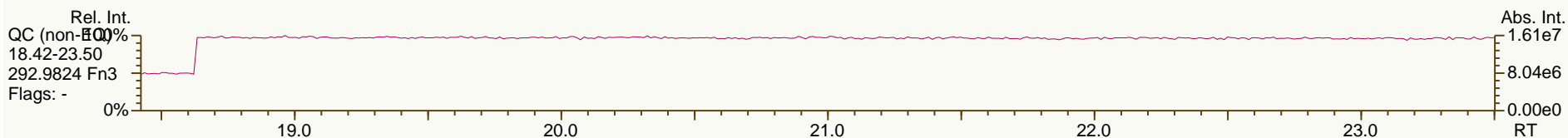
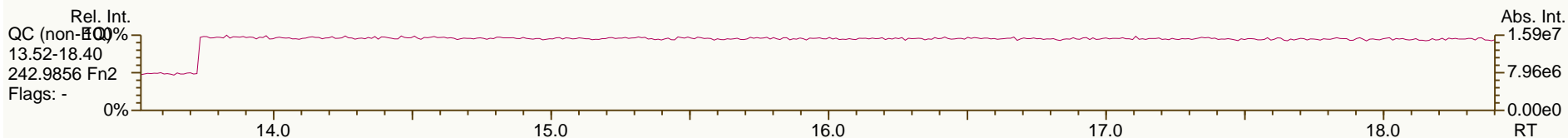
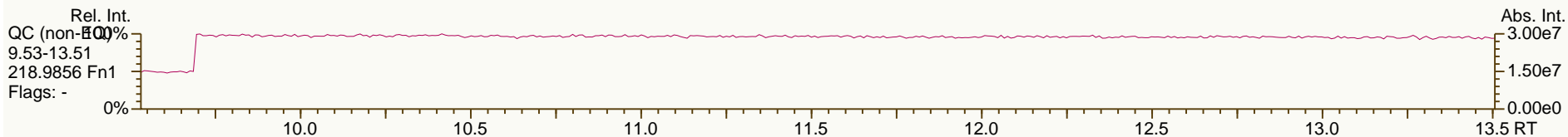
Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



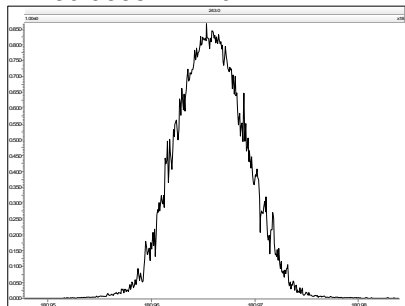
Experiment Calibration Report

MassLynx 4.1

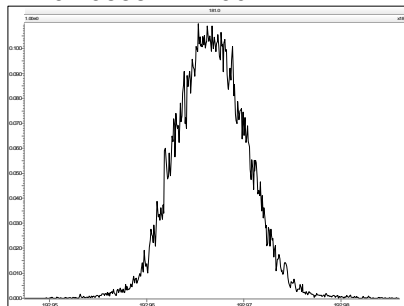
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, July 03, 2012 14:09:57 Eastern Daylight Time

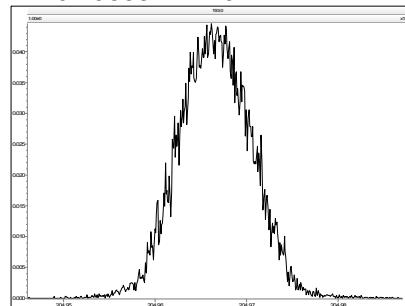
M 180.9888 R 12077



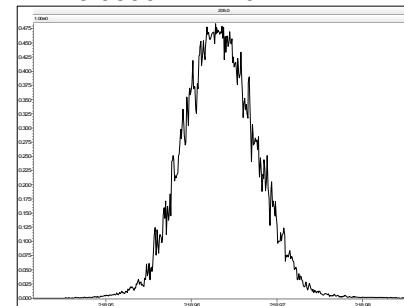
M 192.9888 R 11901



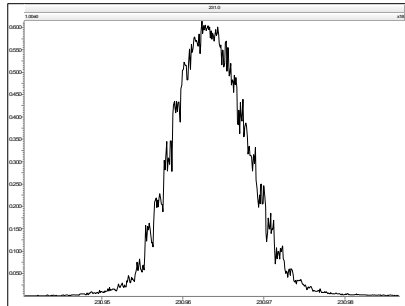
M 204.9888 R 12317



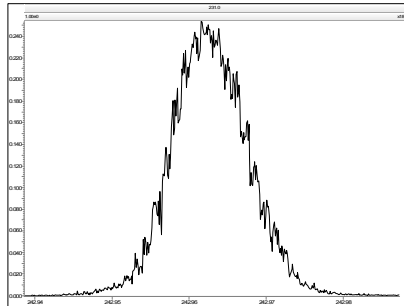
M 218.9856 R 11792



M 230.9856 R 11309



M 242.9856 R 11212



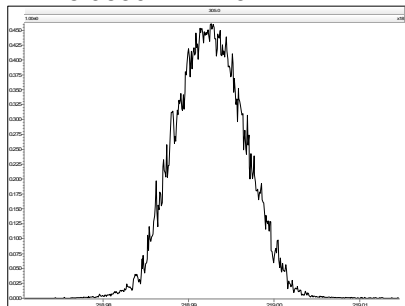
Experiment Calibration Report

MassLynx 4.1

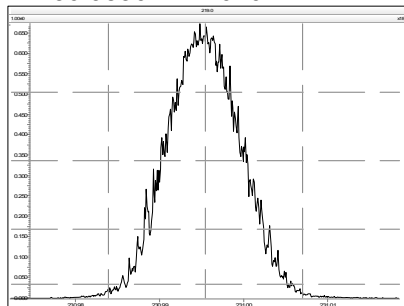
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, July 03, 2012 14:10:20 Eastern Daylight Time

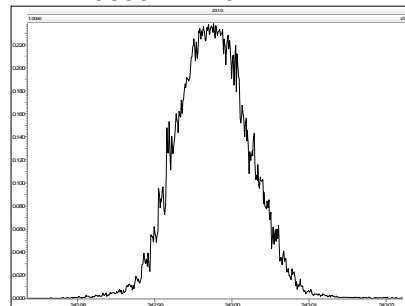
M 218.9856 R 12137



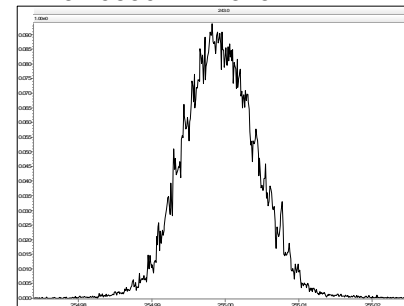
M 230.9856 R 12076



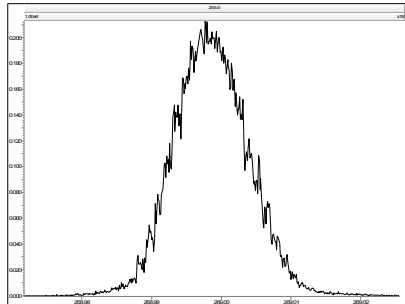
M 242.9856 R 11627



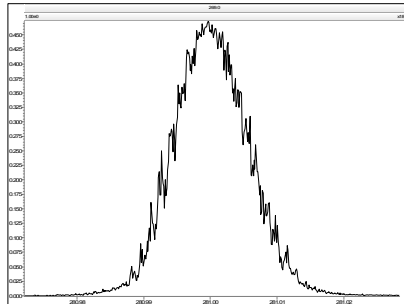
M 254.9856 R 11575



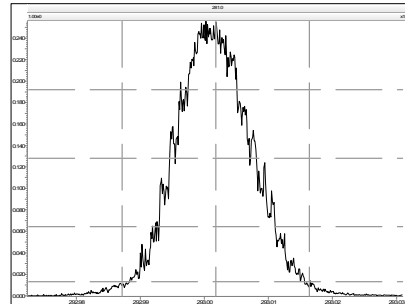
M 268.9824 R 11061



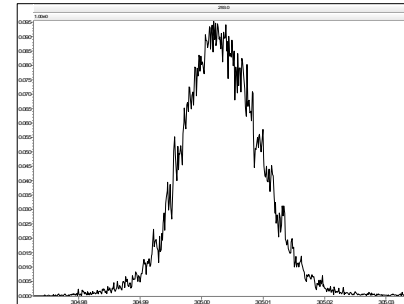
M 280.9824 R 11059



M 292.9824 R 10639



M 304.9824 R 10245



Experiment Calibration Report

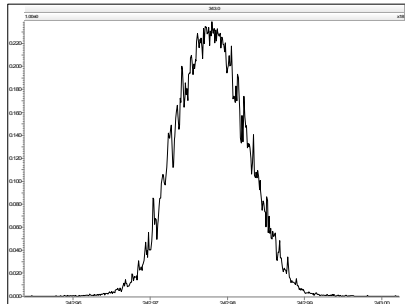
MassLynx 4.1

Page 1 of 1

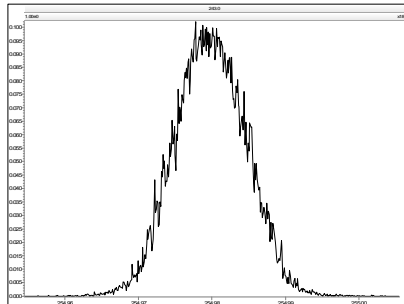
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, July 03, 2012 14:10:43 Eastern Daylight Time

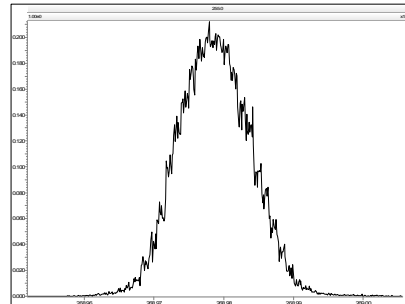
M 242.9856 R 11418



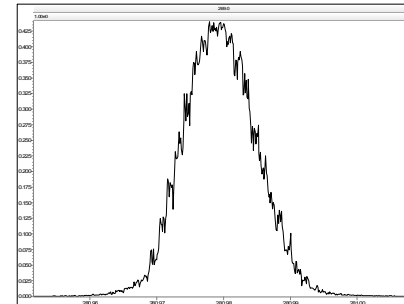
M 254.9856 R 11904



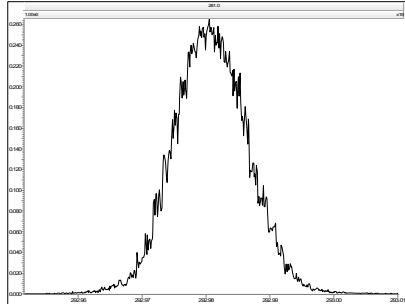
M 268.9824 R 12134



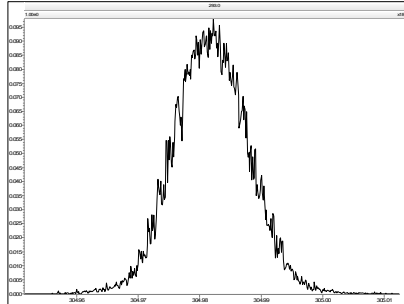
M 280.9824 R 11624



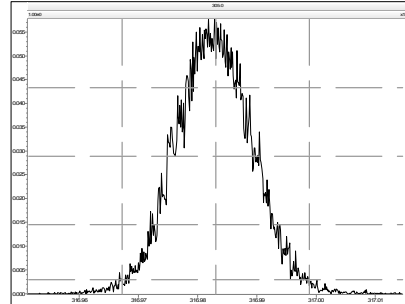
M 292.9824 R 11013



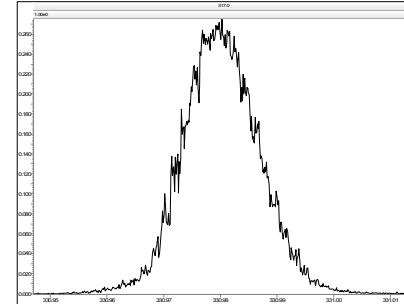
M 304.9824 R 10963



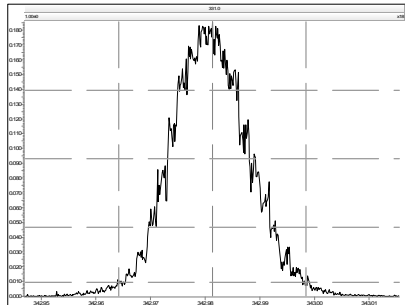
M 316.9824 R 10919



M 330.9792 R 10965



M 342.9792 R 10547



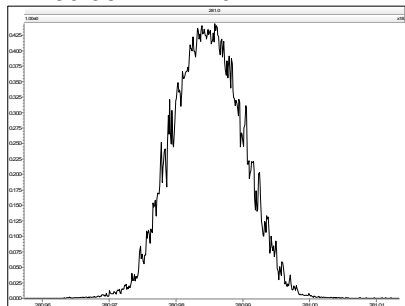
Experiment Calibration Report

MassLynx 4.1

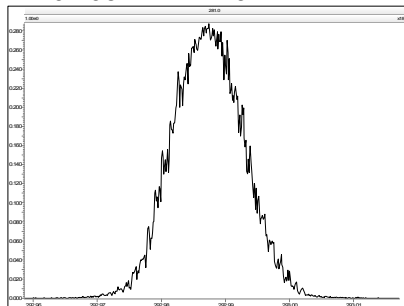
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, July 03, 2012 14:11:13 Eastern Daylight Time

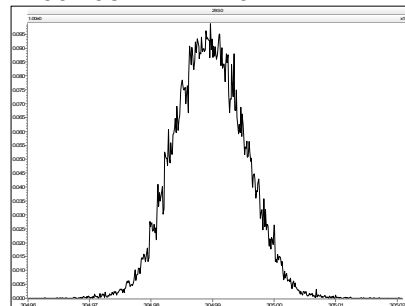
M 280.9824 R 12022



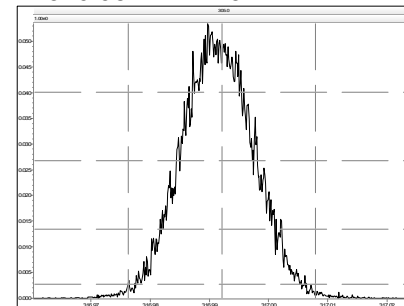
M 292.9824 R 11737



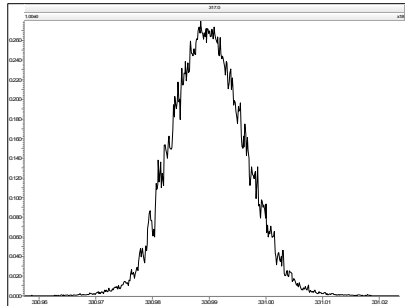
M 304.9824 R 11791



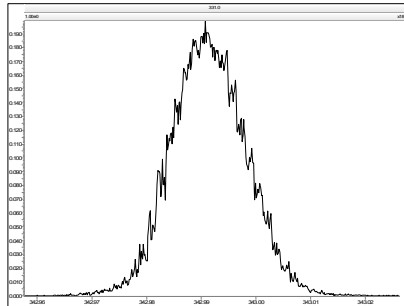
M 316.9824 R 11314



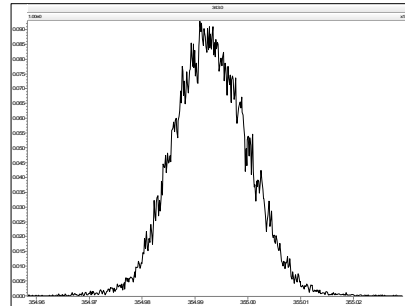
M 330.9792 R 11211



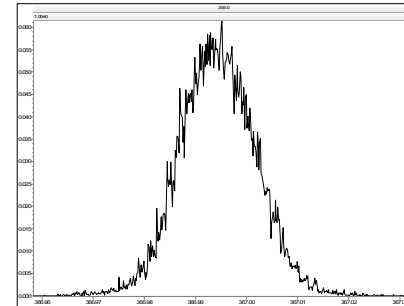
M 342.9792 R 11061



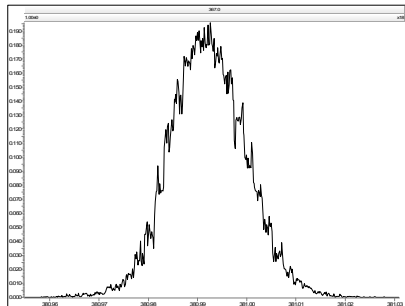
M 354.9792 R 10681



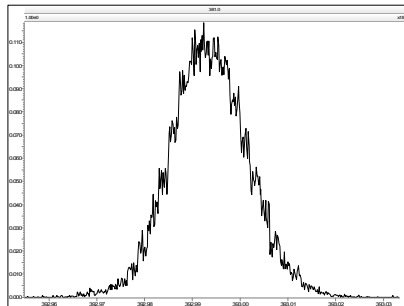
M 366.9792 R 10823



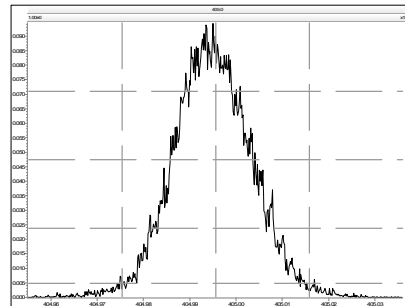
M 380.9760 R 11012



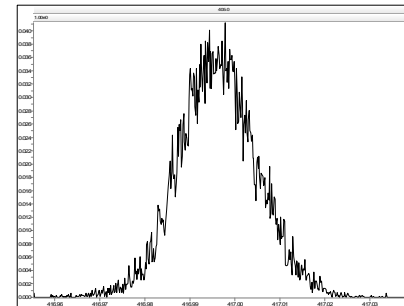
M 392.9760 R 10546



M 404.9760 R 10819



M 416.9760 R 10551



Experiment Calibration Report

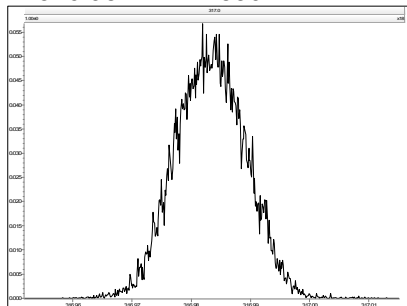
MassLynx 4.1

Page 1 of 1

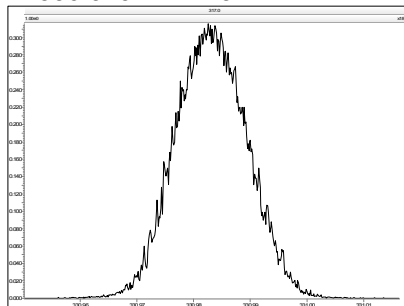
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 5 @ 200 (ppm)

Printed: Tuesday, July 03, 2012 14:11:42 Eastern Daylight Time

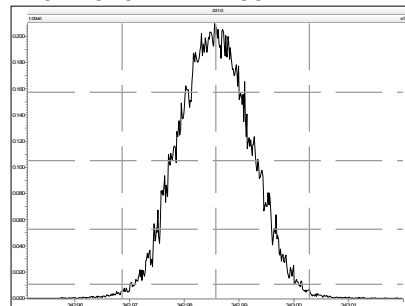
M 316.9824 R 11850



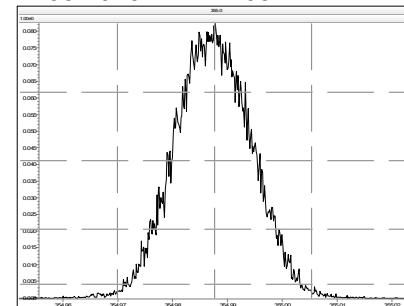
M 330.9792 R 11574



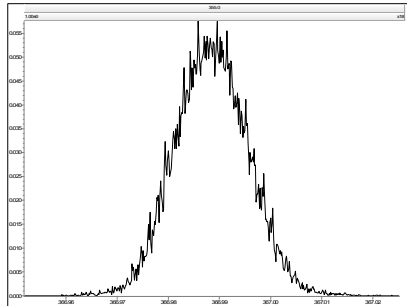
M 342.9792 R 11209



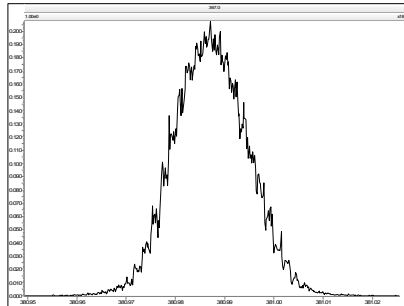
M 354.9792 R 11465



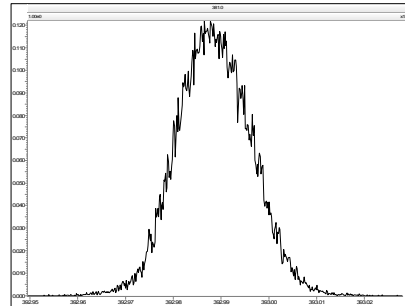
M 366.9792 R 11312



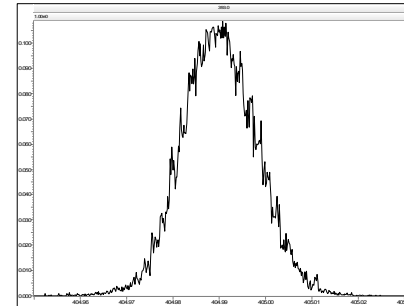
M 380.9760 R 11847



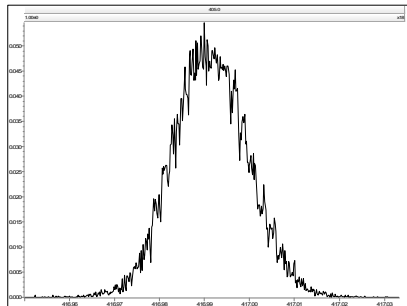
M 392.9760 R 11314



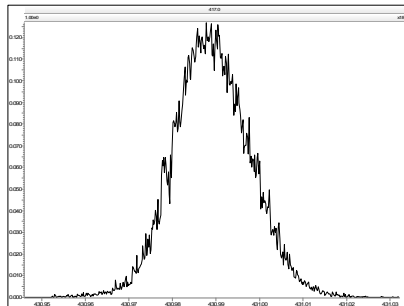
M 404.9760 R 11161



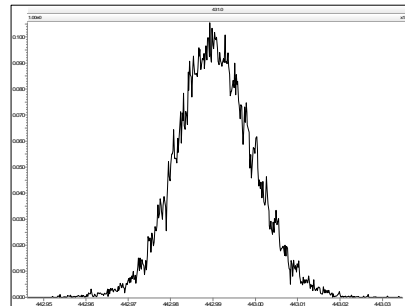
M 416.9760 R 11012



M 430.9728 R 10915



M 442.9728 R 10638



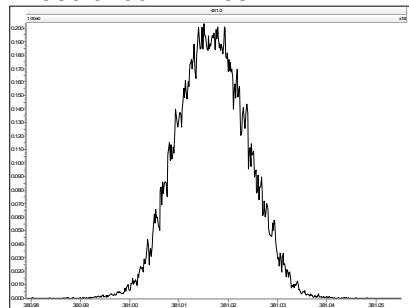
Experiment Calibration Report

MassLynx 4.1

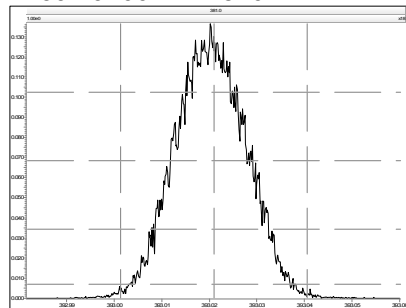
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 6 @ 200 (ppm)

Printed: Tuesday, July 03, 2012 14:12:07 Eastern Daylight Time

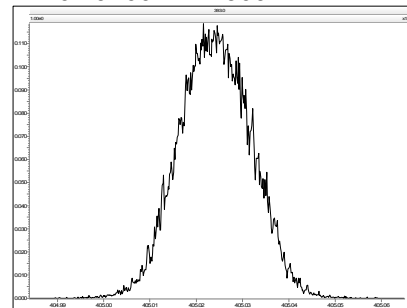
M 380.9760 R 11682



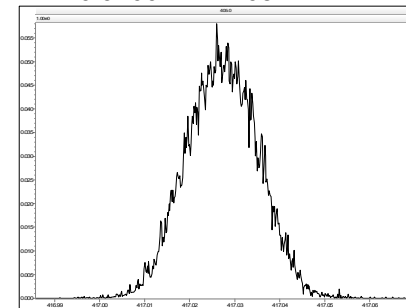
M 392.9760 R 11846



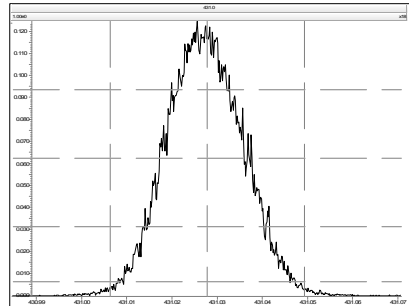
M 404.9760 R 11309



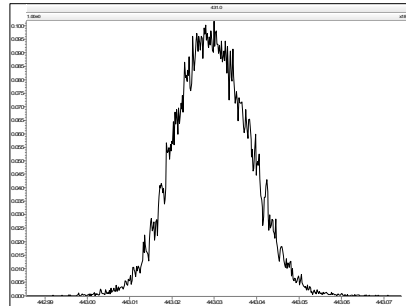
M 416.9760 R 11468



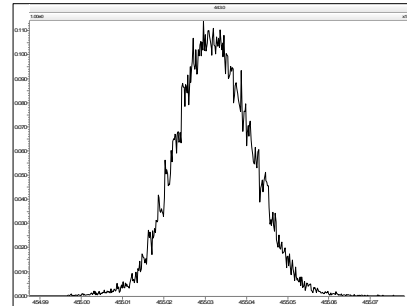
M 430.9728 R 11366



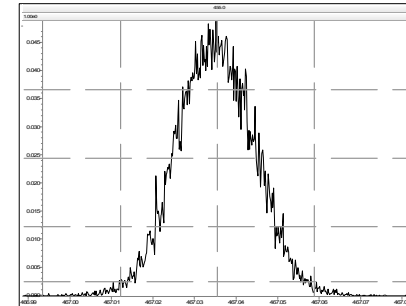
M 442.9728 R 11162



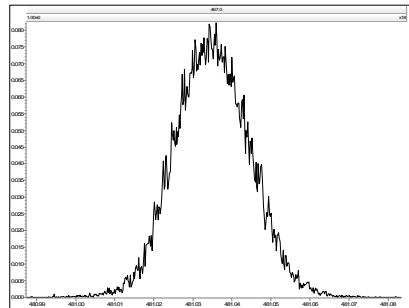
M 454.9728 R 11521



M 466.9728 R 11012



M 480.9696 R 11162



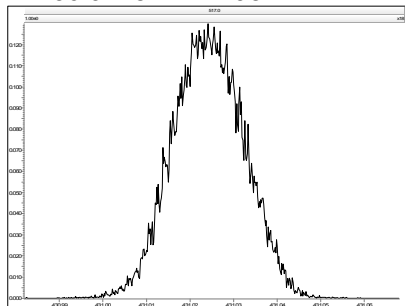
Experiment Calibration Report

MassLynx 4.1

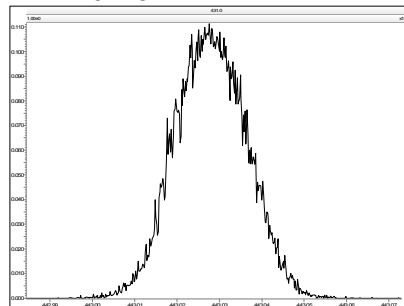
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 7 @ 200 (ppm)

Printed: Tuesday, July 03, 2012 14:12:28 Eastern Daylight Time

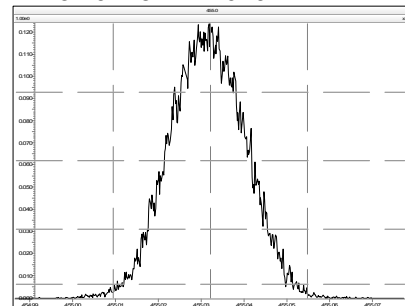
M 430.9728 R 12198



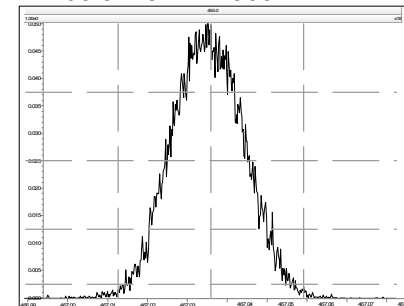
M 442.9728 R 11417



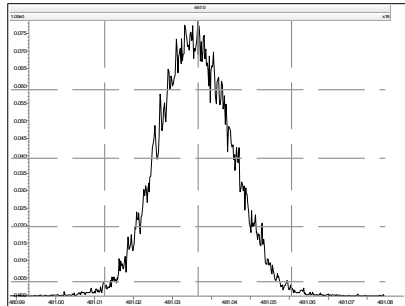
M 454.9728 R 12019



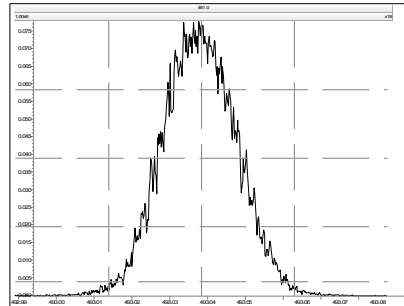
M 466.9728 R 11960



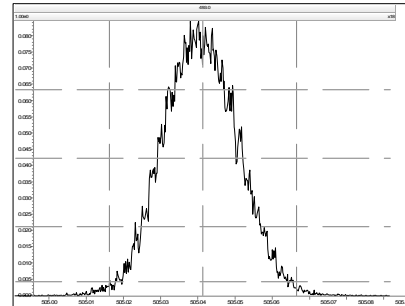
M 480.9696 R 11060



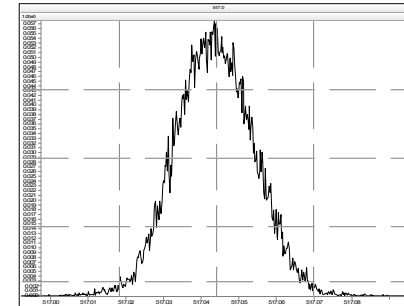
M 492.9696 R 11789



M 504.9696 R 11311



M 516.9697 R 11622

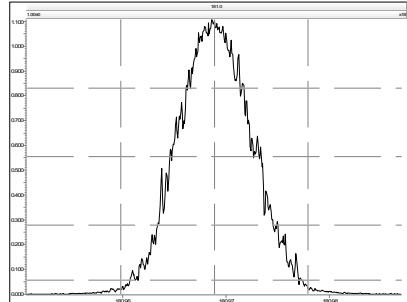


Resolution Check Report

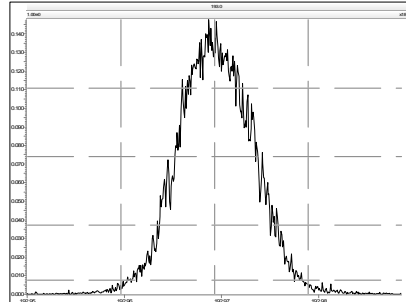
MassLynx 4.1

Printed: Tuesday, July 03, 2012 22:50:32 Eastern Daylight Time

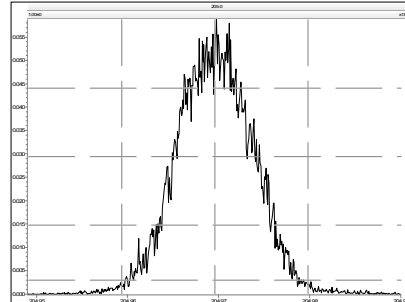
M 180.9888 R 11369



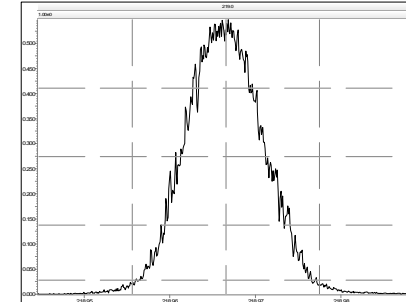
M 192.9888 R 10941



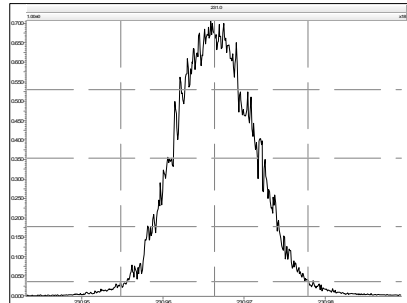
M 204.9888 R 11289



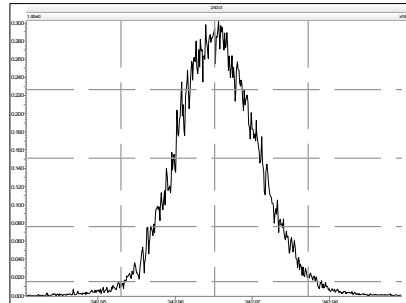
M 218.9856 R 10753



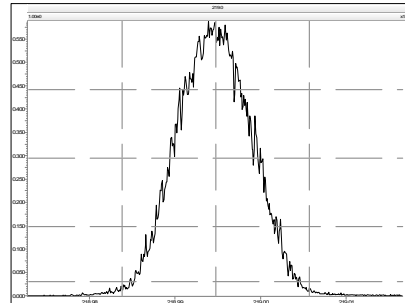
M 230.9856 R 10124



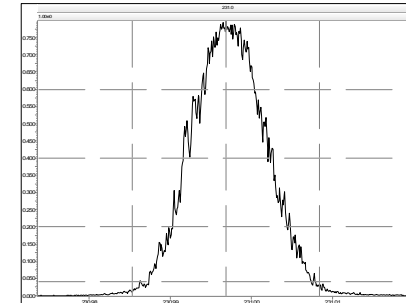
M 242.9856 R 9988



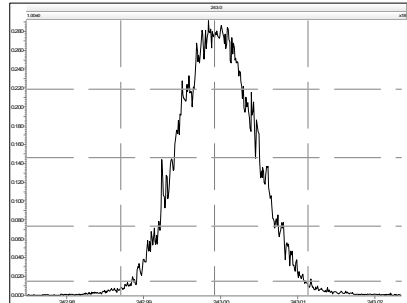
M 218.9856 R 11312



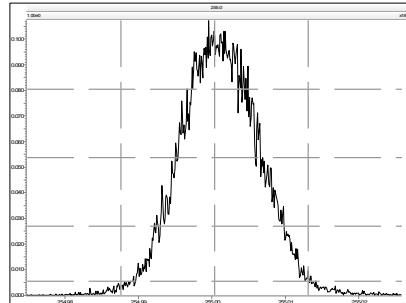
M 230.9856 R 11520



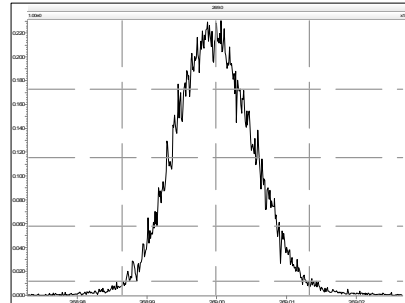
M 242.9856 R 10991



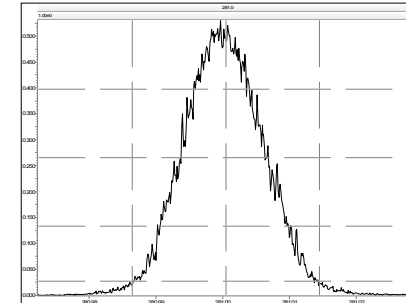
M 254.9856 R 11132



M 268.9824 R 10571



M 280.9824 R 10351

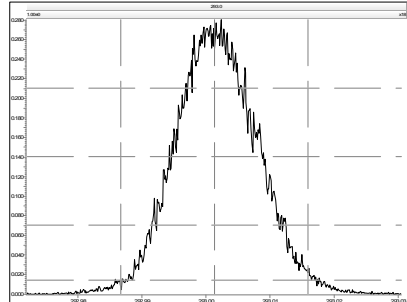


Resolution Check Report

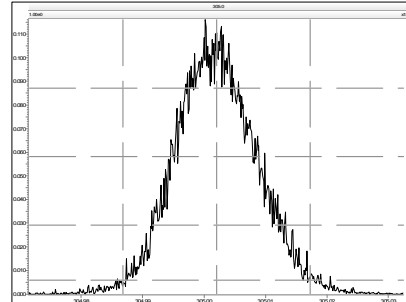
MassLynx 4.1

Printed: Tuesday, July 03, 2012 22:50:32 Eastern Daylight Time

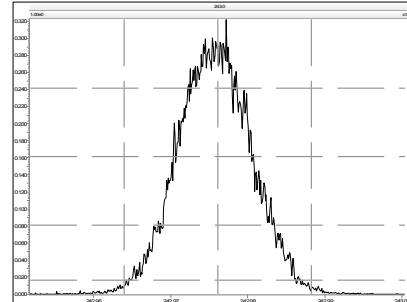
M 292.9824 R 10062



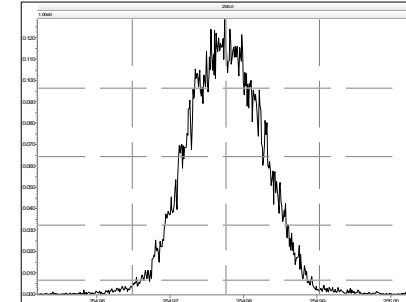
M 304.9824 R 10074



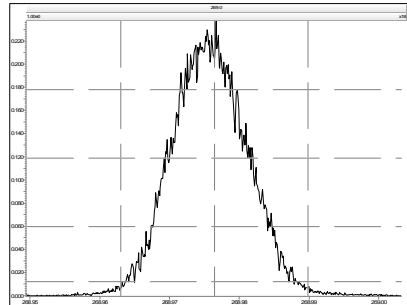
M 242.9856 R 11039



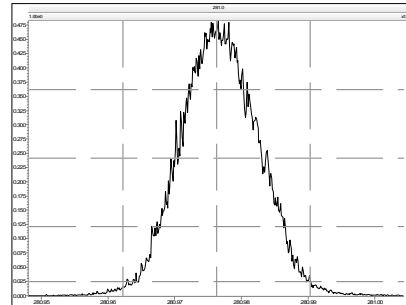
M 254.9856 R 11712



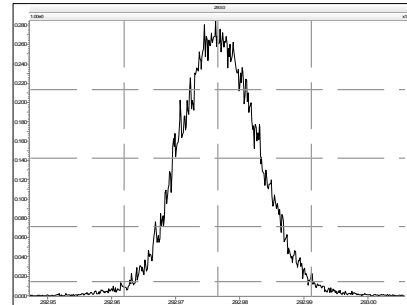
M 268.9824 R 11086



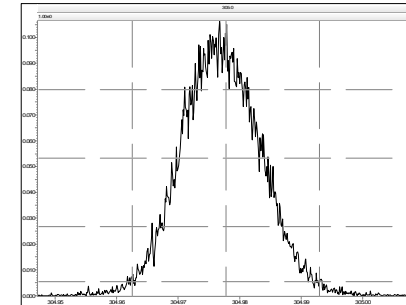
M 280.9824 R 10639



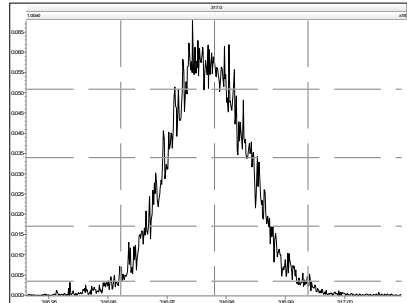
M 292.9824 R 10468



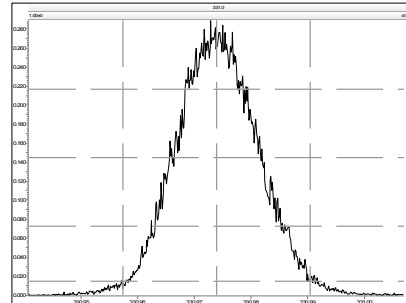
M 304.9824 R 10638



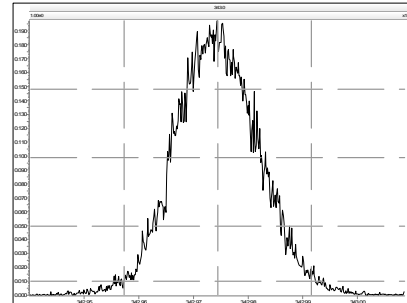
M 316.9824 R 10526



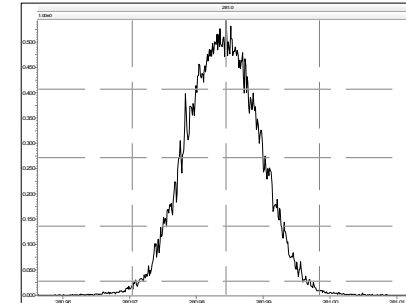
M 330.9792 R 10121



M 342.9792 R 9823



M 280.9824 R 11342



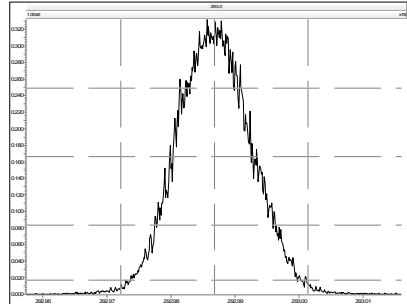
Resolution Check Report

MassLynx 4.1

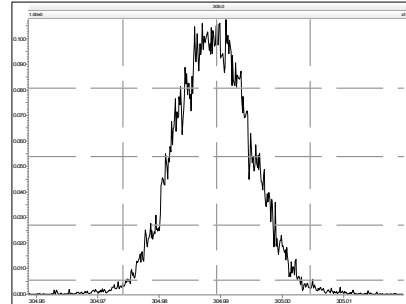
Page 3 of 6

Printed: Tuesday, July 03, 2012 22:50:32 Eastern Daylight Time

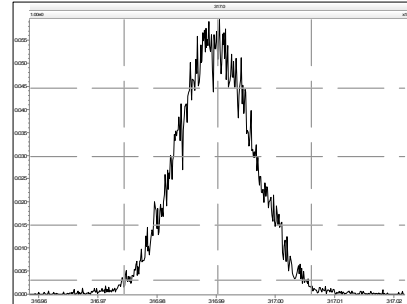
M 292.9824 R 10776



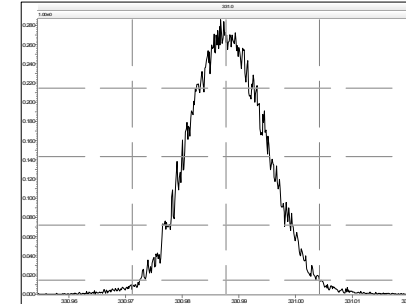
M 304.9824 R 11012



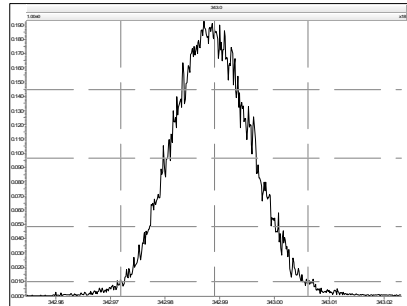
M 316.9824 R 11137



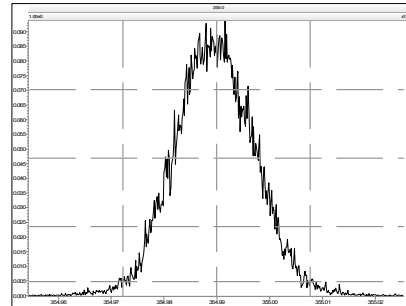
M 330.9792 R 10536



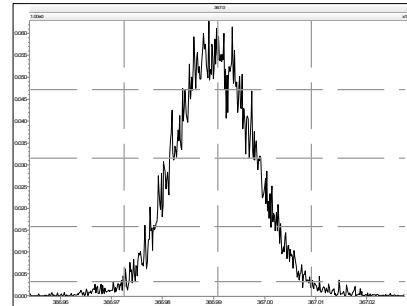
M 342.9792 R 10394



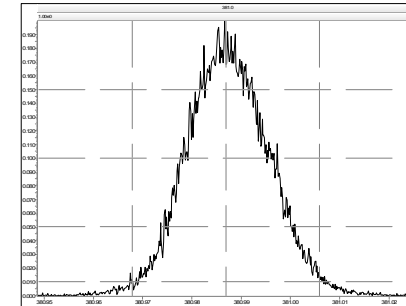
M 354.9792 R 10584



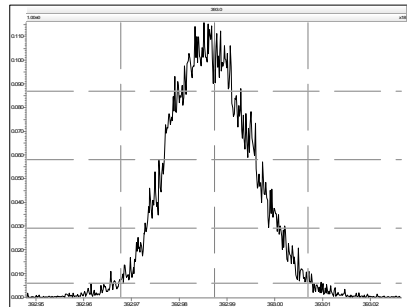
M 366.9792 R 10510



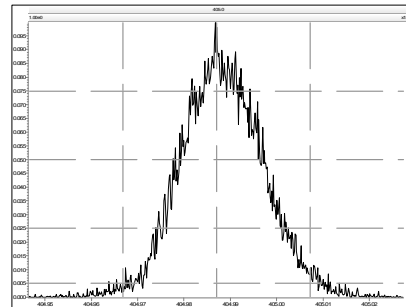
M 380.9760 R 10040



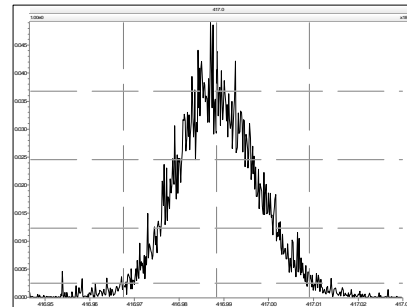
M 392.9760 R 9967



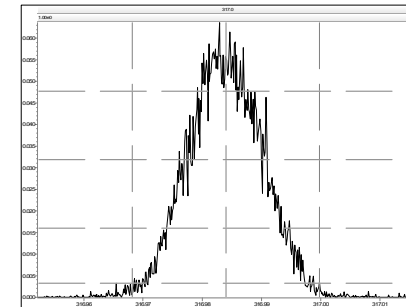
M 404.9760 R 10466



M 416.9760 R 10373



M 316.9824 R 11520

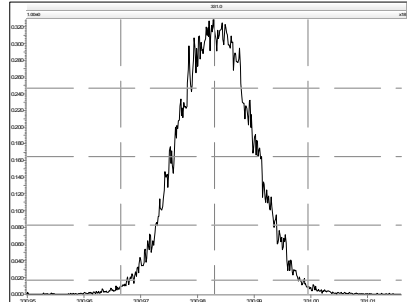


Resolution Check Report

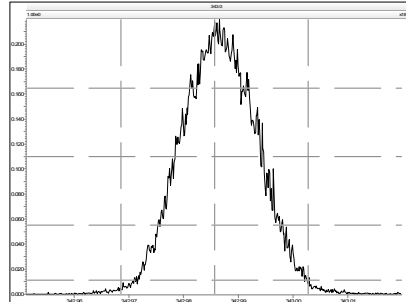
MassLynx 4.1

Printed: Tuesday, July 03, 2012 22:50:32 Eastern Daylight Time

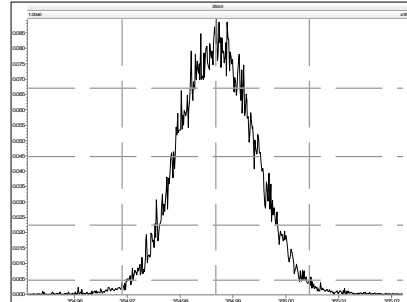
M 330.9792 R 11186



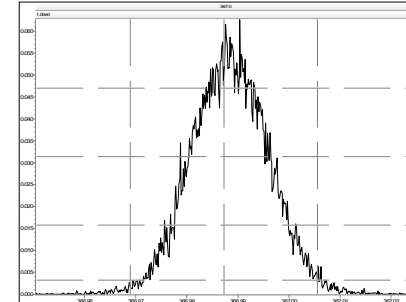
M 342.9792 R 11062



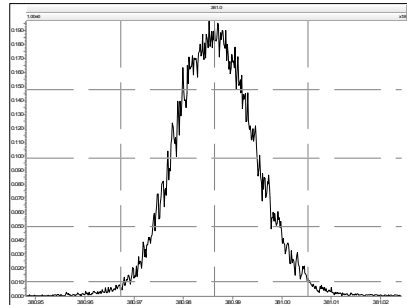
M 354.9792 R 11016



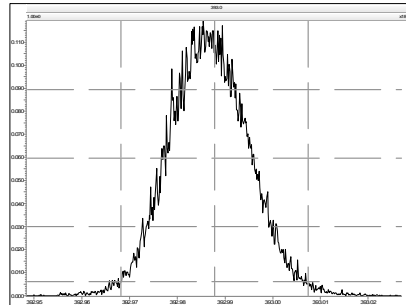
M 366.9792 R 10872



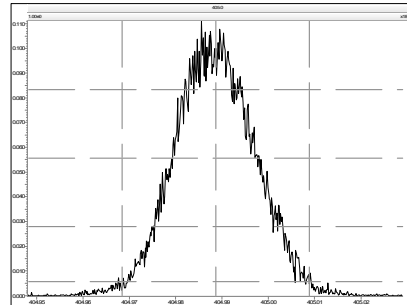
M 380.9760 R 10460



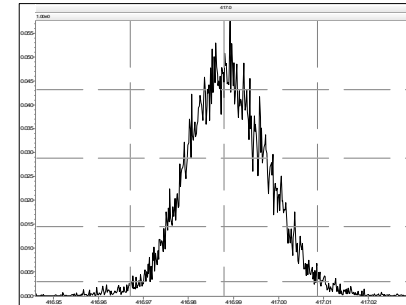
M 392.9760 R 10224



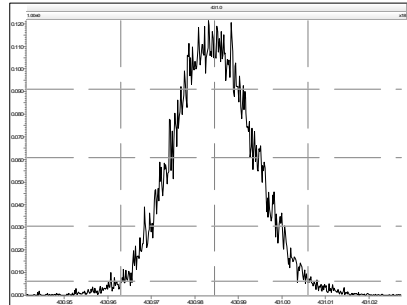
M 404.9760 R 10311



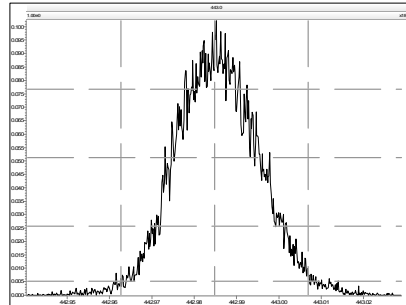
M 416.9760 R 10482



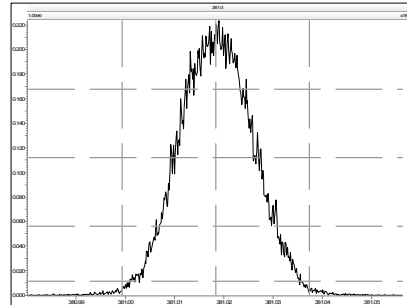
M 430.9728 R 10721



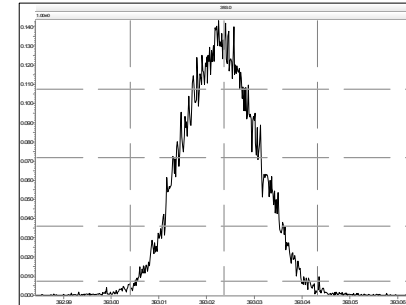
M 442.9728 R 10314



M 380.9760 R 11327



M 392.9760 R 11389

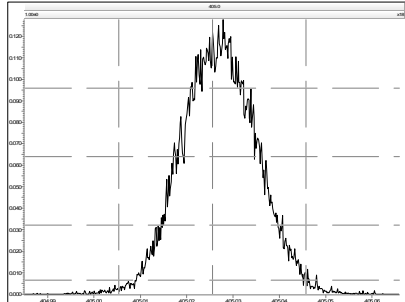


Resolution Check Report

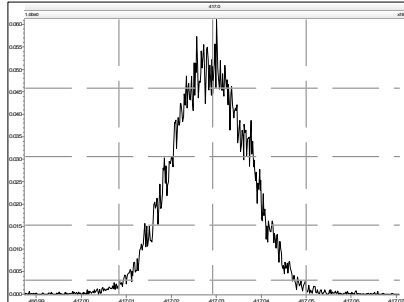
MassLynx 4.1

Printed: Tuesday, July 03, 2012 22:50:32 Eastern Daylight Time

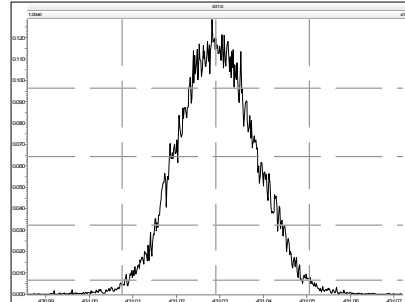
M 404.9760 R 11210



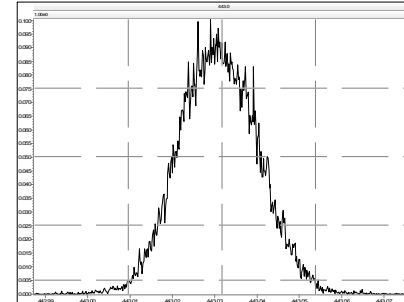
M 416.9760 R 11186



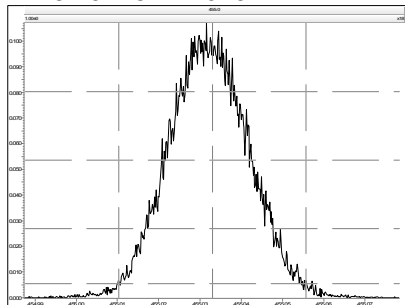
M 430.9728 R 10846



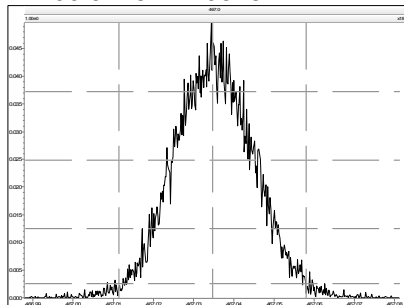
M 442.9728 R 10398



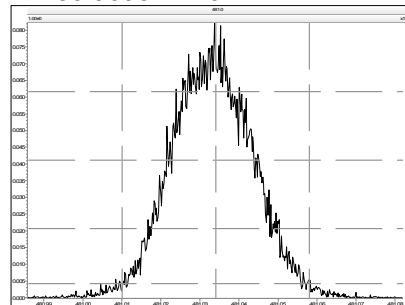
M 454.9728 R 10431



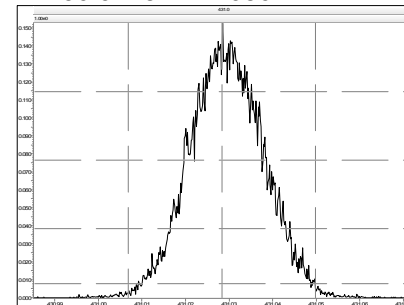
M 466.9728 R 10528



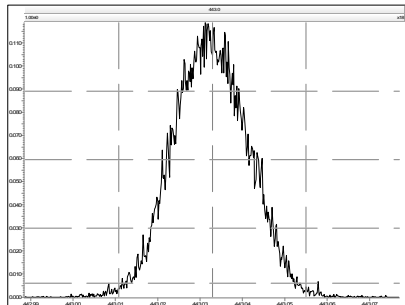
M 480.9696 R 10427



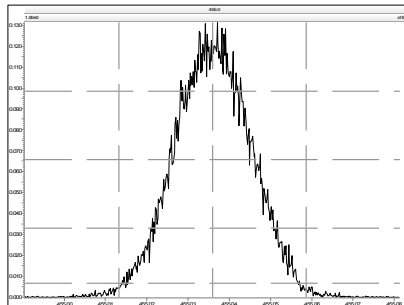
M 430.9728 R 11086



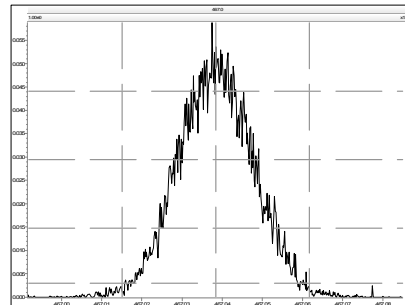
M 442.9728 R 11016



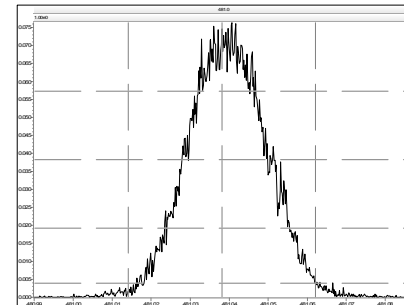
M 454.9728 R 10775



M 466.9728 R 10940



M 480.9696 R 10482



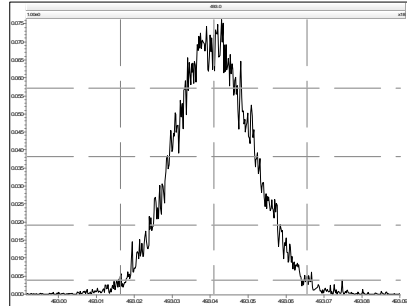
Resolution Check Report

MassLynx 4.1

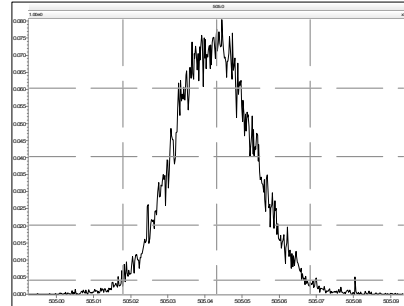
Page 6 of 6

Printed: Tuesday, July 03, 2012 22:50:32 Eastern Daylight Time

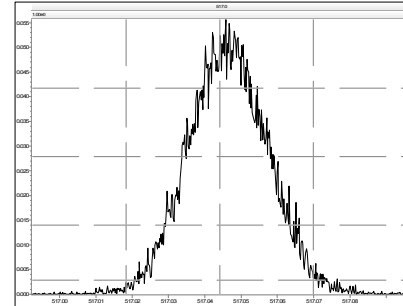
M 492.9696 R 10549



M 504.9696 R 10549



M 516.9697 R 10619



PCB ICAL Summary			Analytical Perspectives						Printed: 30 Jan 2012 11:35	
ICAL: MM4_PCB_01102012_26JAN12										
Acquired: 26 Jan 2012										
Date Processed: 30 Jan 2012 11:15										
Name	Mean	% RSD	120126S03 0.5	120126S03 1	120126S04 5	120126S05 50	120126S06 400	120126S07 2000		
			CS0	CS1	CS2	CS3	CS4	CS5		
PCB-77 33'44'-TeCB	1.22	4.2%	1.16	1.21	1.20	1.23	1.27 ✓	1.29		
PCB-81 344'5'-TeCB	1.24	4.9%	1.15	1.23	1.20	1.29	1.29	1.31 ✓		
PCB-105 233'44'-PeCB	1.03	6.2%	0.94	1.01	0.97	1.09	1.08	1.07		
PCB-114 2344'5'-PeCB	1.10	5.5%	1.05	1.01	1.07	1.16	1.14	1.15		
PCB-118 23'44'5'-PeCB	1.03	6.8%	0.97	0.99	0.95	1.09	1.11	1.09		
PCB-123 2'344'5'-PeCB	0.93	7.4%	0.85	0.85	0.90	0.98	0.99	0.99		
PCB-126 33'44'5'-PeCB	1.11	4.0%	1.13	1.04	1.09 ✓	1.11	1.12	1.18		
PCB-156/157 233'44'5'/233'44'5'	1.05	6.1%	0.99	1.02	0.97	1.06	1.11	1.13		
PCB-167 23'44'55'-HxCB	1.08	6.4%	1.01	1.01 ✓	1.06	1.10	1.15	1.16		
PCB-169 33'44'55'-HxCB	1.04	4.7%	1.00 ✓	0.99 ✓	1.01	1.09	1.08	1.10		
PCB-189 233'44'55'-HpCB	1.11	6.1%	1.10 ✓	1.00	1.07	1.14 ✓	1.18	1.17		
PCB-209 DeCB	1.05	4.9%	1.12	1.00	0.99	1.04 ✓	1.07	1.08		
ES PCB-1	1.01	0.6%	1.01	1.01	1.02	1.00	1.02	1.02		
ES PCB-3	1.05	1.5%	1.05	1.04	1.04	1.04	1.06	1.08		
ES PCB-4	0.70	1.0%	0.70	0.70	0.69	0.69	0.71	0.70		
ES PCB-15	1.17	3.4%	1.19	1.17	1.10	1.16	1.19	1.22		
ES PCB-19	0.57	1.6%	0.57	0.57	0.55	0.57	0.58	0.56		
ES PCB-37	1.41	4.0%	1.42	1.44	1.32	1.39	1.41	1.49		
ES PCB-54	1.32	2.8%	1.28	1.31	1.35	1.30	1.31	1.38 ✓		
ES PCB-77	1.22	5.9%	1.25	1.31	1.09	1.20	1.22 ✓	1.23		
ES PCB-81	1.15	5.6%	1.19	1.21	1.04	1.12	1.16	1.19		
ES PCB-104	1.69	3.6%	1.67	1.68	1.80	1.66	1.63	1.68		
ES PCB-105	1.21	3.3%	1.25	1.25	1.16	1.17 ✓	1.19	1.21		
ES PCB-114	1.23	3.4%	1.29	1.28	1.19	1.19	1.23	1.22		
ES PCB-118	1.25	3.9%	1.30	1.31	1.21	1.20	1.23	1.22		
ES PCB-123	1.33	2.8%	1.37	1.37	1.28	1.31	1.31	1.32		
ES PCB-126	1.36	4.3%	1.40	1.44	1.28 ✓	1.34	1.34	1.35		
ES PCB-153	1.09	1.0%	1.09	1.08	1.08 ✓	1.09	1.07	1.10		
ES PCB-155	1.40	3.0%	1.36	1.37	1.48	1.41	1.40	1.41		
ES PCB-156/157	1.13	1.0%	1.14	1.13	1.13	1.12	1.13	1.15		
ES PCB-167	1.13	1.2%	1.14	1.14 ✓	1.12	1.11	1.12	1.14		
ES PCB-169	1.14	2.9%	1.17	1.15 ✓	1.10	1.10	1.14	1.18		
ES PCB-170	1.23	1.5%	1.23	1.25	1.21	1.21	1.23	1.26		
ES PCB-180	1.46	1.4%	1.45	1.47	1.46	1.46	1.46	1.50		
ES PCB-188	1.34	1.6%	1.35	1.32	1.35	1.37	1.34	1.31		
ES PCB-189	1.77	2.8%	1.77	1.81	1.75	1.72	1.71	1.84		
ES PCB-202	1.27	0.5%	1.28	1.27	1.27	1.28	1.27	1.27		
ES PCB-205	1.25	2.1%	1.24 ✓	1.27	1.22	1.23	1.24	1.29		
ES PCB-206	1.07	1.4%	1.06 ✓	1.06	1.06	1.06	1.07	1.10		

REVIEWED
By cwood at 2:15 pm, Jan 30, 2012

Reviewed by
JK 15-Feb-2012

APPROVED
By Bryan Vining at 1:56 pm, Feb 15, 2012

PCB ICAL Summary			Analytical Perspectives						Printed: 30 Jan 2012 11:35	
ICAL: MM4_PCB_01102012_26JAN12										
Acquired: 26 Jan 2012										
			120126S03	120126S03	120126S04	120126S05	120126S06	120126S07		
			0.5	1	5	50	400	2000		
Name	Mean	% RSD	CS0	CS1	CS2	CS3	CS4	CS5		
ES PCB-208	1.34	1.3%	1.32	1.35	1.34	1.33	1.33	1.37		
ES PCB-209	1.18	1.3%	1.18	1.21	1.17	1.17	1.18	1.20		
SS PCB-28	0.98	2.9%	0.97	0.95	1.03	0.98	0.98	0.99		
SS PCB-111	0.90	2.3%	0.89	0.88	0.92	0.93	0.88	0.89		
SS PCB-178	0.65	2.0%	0.64	0.66	0.65	0.65	0.63	0.66		
CS PCB-28	1.39	2.9%	1.38	1.37	1.36	1.36	1.38	1.47		
CS PCB-111	1.19	2.3%	1.22	1.21	1.18	1.21	1.15	1.18		
CS PCB-178	0.87	1.8%	0.86	0.88	0.87	0.89	0.84	0.87		
PCB-1 2-MoCB	1.20	2.5%	1.19	1.19	1.15	1.20	1.22	1.24		
PCB-3 4-MoCB	1.13	2.5%	1.11	1.10	1.11	1.13	1.16	1.17		
PCB-4 22'-DiCB	0.94	4.9%	0.94	0.86	0.94	0.98	0.95	0.99		
PCB-15 44'-DiCB	1.01	4.1%	0.98	0.94	1.02	1.02	1.04	1.04		
PCB-19 22'6'-TrCB	1.01	3.6%	0.96	1.02	0.98	1.01	1.04	1.06		
PCB-37 344'-TrCB	1.20	3.6%	1.16	1.16	1.17	1.20	1.24	1.26		
PCB-54 22'66'-TeCB	0.93	4.1%	0.88	0.90	0.93	0.94	0.97	0.98		
PCB-104 22'466'-PeCB	0.92	4.5%	0.91	0.87	0.87	0.92	0.97	0.96		
PCB-153 22'44'55' -HxCB	1.15	4.0%	1.11	1.13	1.09	1.16	1.20	1.19		
PCB-155 22'44'66'-HxCB	1.06	3.9%	1.04	1.00	1.03	1.08	1.07	1.11		
PCB-170 22'33'44'5'-HpCB	1.00	6.3%	0.91	0.97	0.96	1.02	1.05	1.08		
PCB-180 22'344'55'-HpCB	1.01	5.1%	0.97	0.95	0.98	1.04	1.07	1.06		
PCB-188 22'34'566'-HpCB	1.07	3.7%	1.04	1.01	1.06	1.07	1.09	1.13		
PCB-202 22'33'55'66'-OcCB	0.83	5.1%	0.86	0.75	0.80	0.83	0.86	0.85		
PCB-205 233'44'55'6'-OcCB	1.09	3.5%	1.06	1.08	1.04	1.09	1.13	1.15		
PCB-208 22'33'455'66'-NoCB	0.98	4.2%	0.95	0.96	0.92	0.98	1.02	1.03		
PCB-206 22'33'44'55'6'-NoCB	0.93	4.1%	0.89	0.90	0.91	0.95	0.98	0.97		

1668A/B ICALs											
Ax	RSD	Mean	sd	MM4_PCB_07192011_28SEP11		MM4_PCB_01102012_26JAN1		RSD	Mean	sd	PD from Mean
77	7.6	1.04	0.08	1.20	1.22	1.3	1.21	0.02			0.9%
81	9.8	1.09	0.11	1.08	1.24	9.5	1.16	0.11			6.7%
105	8.6	0.98	0.08	0.89	1.03	10.1	0.96	0.10			7.2%
114	8.5	0.97	0.08	0.94	1.1	10.8	1.02	0.11			7.6%
118	7.2	0.98	0.07	0.88	1.03	10.8	0.96	0.10			7.7%
123	6.4	0.97	0.06	1.00	0.93	5.1	0.96	0.05			-3.6%
126	8.2	0.98	0.08	0.96	1.11	10.0	1.04	0.10			7.1%
156/157	4.6	0.97	0.05	1.05	1.05	0.3	1.05	0.00			-0.2%
167	5.2	0.96	0.05	1.11	1.08	1.7	1.09	0.02			-1.2%
169	4.6	0.93	0.04	1.06	1.04	1.5	1.05	0.02			-1.1%
189	9.8	0.93	0.09	1.19	1.11	5.0	1.15	0.06			-3.5%
1	10.9	1.18	0.13	1.18	1.2	1.2	1.19	0.01			0.9%
3	9.5	1.18	0.11	1.13	1.13	0.1	1.13	0.00			0.0%
4	10.4	0.97	0.10	0.89	0.94	4.1	0.91	0.04			2.9%
15	7.2	0.99	0.07	1.08	1.01	4.8	1.05	0.05			-3.4%
19	5.3	1.04	0.06	0.95	1.01	4.3	0.98	0.04			3.0%
37	8.1	1.05	0.08	1.18	1.2	1.4	1.19	0.02			1.0%
54	9.1	1.02	0.09	0.88	0.93	3.8	0.91	0.03			2.7%
104	9.0	1.00	0.09	0.87	0.92	4.2	0.89	0.04			3.0%
153											
155	5.1	1.02	0.05	1.00	1.06	4.5	1.03	0.05			3.2%
170											
180											
188	6.5	1.06	0.07	1.02	1.07	3.4	1.05	0.04			2.4%
202	7.6	0.87	0.07	0.78	0.83	4.5	0.80	0.04			3.2%
205	5.8	1.02	0.06	1.03	1.09	3.9	1.06	0.04			2.7%
208	4.5	0.94	0.04	0.88	0.98	7.6	0.93	0.07			5.4%
206	7.1	0.98	0.07	0.91	0.93	1.6	0.92	0.01			1.1%
209	6.4	0.94	0.06	1.02	1.05	1.8	1.04	0.02			1.3%
ES						#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!
						#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!
						#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!
1	10.8	0.98	0.11	1.07	1.01						
3	10.3	0.98	0.10	1.07	1.05						
4	8.3	0.71	0.06	0.84	0.7						
15	6.3	1.05	0.07	1.12	1.17	3.1	1.15	0.04			2.2%
19	8.4	0.58	0.05	0.63	0.57	7.3	0.60	0.04			-5.2%
37	7.8	1.40	0.11	1.17	1.41	13.0	1.29	0.17			9.2%
54	13.1	1.35	0.18	1.59	1.32	13.2	1.46	0.19			-9.3%
77	7.9	1.20	0.10	1.05	1.22	10.9	1.13	0.12			7.7%
81	7.0	1.17	0.08	1.11	1.15	2.6	1.13	0.03			1.9%
104	12.1	1.48	0.18	1.97	1.69	10.9	1.83	0.20			-7.7%
105	5.1	1.18	0.06	1.18	1.21	1.9	1.19	0.02			1.3%
114	4.2	1.23	0.05	1.24	1.23	0.7	1.24	0.01			-0.5%
118	5.2	1.24	0.07	1.27	1.25	1.3	1.26	0.02			-0.9%
123	5.4	1.20	0.06	1.15	1.33	10.1	1.24	0.13			7.1%
126	8.5	1.29	0.11	1.16	1.36	11.1	1.26	0.14			7.8%
153											
155	5.0	1.51	0.08	1.56	1.4	7.5	1.48	0.11			-5.3%
156/157	15.9	1.15	0.18	0.92	1.13	14.8	1.02	0.15			10.5%
167	14.1	1.18	0.17	0.94	1.13	12.8	1.04	0.13			9.0%
169	19.8	1.10	0.22	0.80	1.14	25.0	0.97	0.24			17.7%
170											
180											
188	12.9	1.39	0.18	1.66	1.34	15.0	1.50	0.23			-10.6%
189	9.1	1.70	0.15	1.55	1.77	9.4	1.66	0.16			6.6%
202	9.7	1.32	0.13	1.46	1.27	9.7	1.36	0.13			-6.9%

205	4.3	1.26	0.05	1.21	1.25	2.6	1.23	0.03	1.8%
206	7.4	0.94	0.07	1.12	1.07	3.1	1.09	0.03	-2.2%
208	8.5	1.31	0.11	1.61	1.34	12.9	1.47	0.19	-9.1%
209	6.3	1.21	0.08	1.19	1.18	0.9	1.19	0.01	-0.6%
SS									
28	7.1	1.11	0.08	1.05	0.98	5.0	1.02	0.05	-3.5%
111	6.3	1.07	0.07	1.02	0.90	8.6	0.96	0.08	-6.1%
178	4.6	0.68	0.03	0.66	0.65	1.6	0.66	0.01	-1.1%

Additional Ax						RSD	Mean	sd	PD from Historical Mean
PCB-1 2-MoCB	0.88					#DIV/0!	0.88	#DIV/0!	-100.0%
PCB-2 3-MoCB	0.84					#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-3 4-MoCB	0.83					#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-4 22-DiCB	0.86					#DIV/0!	0.86	#DIV/0!	-100.0%
PCB-10 26-DiCB	1.33					#DIV/0!	1.33	#DIV/0!	-100.0%
PCB-9 25-DiCB	0.73					#DIV/0!	0.73	#DIV/0!	-100.0%
PCB-7 24-DiCB	0.81					#DIV/0!	0.81	#DIV/0!	-100.0%
PCB-6 23-DiCB	0.76					#DIV/0!	0.76	#DIV/0!	-100.0%
PCB-5 23-DiCB	0.76					#DIV/0!	0.76	#DIV/0!	-100.0%
PCB-8 24-DiCB	0.77					#DIV/0!	0.77	#DIV/0!	-100.0%
PCB-14 35-DiCB	0.89					#DIV/0!	0.89	#DIV/0!	-100.0%
PCB-11 33-DiCB	0.78					#DIV/0!	0.78	#DIV/0!	-100.0%
PCB-13/12 34-/34-DiCB	0.79					#DIV/0!	0.79	#DIV/0!	-100.0%
PCB-15 44-DiCB	0.83					#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-19 226-TrCB	0.95					#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-30/18 246-/225-TrCB	1.21					#DIV/0!	1.21	#DIV/0!	-100.0%
PCB-17 224-TrCB	1.04					#DIV/0!	1.04	#DIV/0!	-100.0%
PCB-27 236-TrCB	1.41					#DIV/0!	1.41	#DIV/0!	-100.0%
PCB-24 236-TrCB	1.34					#DIV/0!	1.34	#DIV/0!	-100.0%
PCB-16 223-TrCB	0.84					#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-32 246-TrCB	1.46					#DIV/0!	1.46	#DIV/0!	-100.0%
PCB-34 235-TrCB	0.98					#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-23 235-TrCB	0.99					#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-26/29 235-/245-TrCB	1.02					#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-25 234-TrCB	1.02					#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-31 245-TrCB	1.04					#DIV/0!	1.04	#DIV/0!	-100.0%
PCB-28/20 244-/233-TrCB	1.00					#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-21/33 234-/234-TrCB	1.02					#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-22 234-TrCB	0.93					#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-36 335-TrCB	1.05					#DIV/0!	1.05	#DIV/0!	-100.0%
PCB-39 345-TrCB	1.09					#DIV/0!	1.09	#DIV/0!	-100.0%
PCB-38 345-TrCB	0.96					#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-35 334-TrCB	0.96					#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-37 344-TrCB	0.98					#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-54 2266-TeCB	1.17					#DIV/0!	1.17	#DIV/0!	-100.0%
PCB-50/53 2246-/2256TeCB	0.59					#DIV/0!	0.59	#DIV/0!	-100.0%
PCB-45 2236-TeCB	0.50					#DIV/0!	0.50	#DIV/0!	-100.0%
PCB-51 2246-TeCB	0.60					#DIV/0!	0.60	#DIV/0!	-100.0%
PCB-46 2236-TeCB	0.46					#DIV/0!	0.46	#DIV/0!	-100.0%
PCB-52 2255-TeCB	0.54					#DIV/0!	0.54	#DIV/0!	-100.0%
PCB-73 2356TeCB	0.69					#DIV/0!	0.69	#DIV/0!	-100.0%
PCB-43 2235-TeCB	0.45					#DIV/0!	0.45	#DIV/0!	-100.0%
PCB-69/49 2346-/2245TeCB	0.66					#DIV/0!	0.66	#DIV/0!	-100.0%
PCB-48 2245-TeCB	0.54					#DIV/0!	0.54	#DIV/0!	-100.0%
PCB-44/47/65 2235-/2244'	0.58					#DIV/0!	0.58	#DIV/0!	-100.0%
PCB-59/62/75 2336-/2346-/24	0.75					#DIV/0!	0.75	#DIV/0!	-100.0%
PCB-42 2234-TeCB	0.50					#DIV/0!	0.50	#DIV/0!	-100.0%
PCB-41 2234-TeCB	0.46					#DIV/0!	0.46	#DIV/0!	-100.0%

PCB-71/40 23'4'6/22'33'-TeCB	0.55	#DIV/0!	0.55	#DIV/0!	-100.0%
PCB-64 23'4'-TeCB	0.77	#DIV/0!	0.77	#DIV/0!	-100.0%
PCB-72 23'55'-TeCB	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-68 23'45'-TeCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-57 23'35'-TeCB	0.88	#DIV/0!	0.88	#DIV/0!	-100.0%
PCB-58 23'35'-TeCB	0.86	#DIV/0!	0.86	#DIV/0!	-100.0%
PCB-67 23'45'-TeCB	0.89	#DIV/0!	0.89	#DIV/0!	-100.0%
PCB-63 23'45'-TeCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-61/70/74/76 23'45'-/23'4'5'	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-66 23'44'-TeCB	0.83	#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-55 23'3'4'-TeCB	0.83	#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-56 23'3'4'-TeCB	0.80	#DIV/0!	0.80	#DIV/0!	-100.0%
PCB-60 23'44'-TeCB	0.82	#DIV/0!	0.82	#DIV/0!	-100.0%
PCB-80 33'55'-TeCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-79 33'45'-TeCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-78 33'45'-TeCB	0.80	#DIV/0!	0.80	#DIV/0!	-100.0%
PCB-104 22'4'66'-PeCB	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-96 22'3'66'-PeCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-103 22'45'6'-PeCB	0.78	#DIV/0!	0.78	#DIV/0!	-100.0%
PCB-94 22'3'56'-PeCB	0.66	#DIV/0!	0.66	#DIV/0!	-100.0%
PCB-95 22'3'5'6'-PeCB	0.71	#DIV/0!	0.71	#DIV/0!	-100.0%
PCB-100/93 22'4'4'6'-/22'3'56'-P	0.70	#DIV/0!	0.70	#DIV/0!	-100.0%
PCB-102 22'4'56'-PeCB	0.82	#DIV/0!	0.82	#DIV/0!	-100.0%
PCB-98 22'3'46'-PeCB	0.66	#DIV/0!	0.66	#DIV/0!	-100.0%
PCB-88 22'3'46'-PeCB	0.67	#DIV/0!	0.67	#DIV/0!	-100.0%
PCB-91 22'3'4'6'-PeCB	0.78	#DIV/0!	0.78	#DIV/0!	-100.0%
PCB-84 22'3'3'6'-PeCB	0.63	#DIV/0!	0.63	#DIV/0!	-100.0%
PCB-89 22'3'46'-PeCB	0.67	#DIV/0!	0.67	#DIV/0!	-100.0%
PCB-121 23'45'6'-PeCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-92 22'3'55'-PeCB	0.71	#DIV/0!	0.71	#DIV/0!	-100.0%
PCB-113/90/101 23'3'5'6'-/22'3'	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-83 22'3'3'5'-PeCB	0.61	#DIV/0!	0.61	#DIV/0!	-100.0%
PCB-99 22'4'4'5'-PeCB	0.75	#DIV/0!	0.75	#DIV/0!	-100.0%
PCB-112 23'3'5'6'-PeCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-108/119/86/97/125/87 233	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-117 23'4'56'-PeCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-116/85 23'45'6'-/22'3'44'-Pe	0.81	#DIV/0!	0.81	#DIV/0!	-100.0%
PCB-110 23'3'4'6'-PeCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-115 23'44'6'-PeCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-82 22'3'3'4'-PeCB	0.61	#DIV/0!	0.61	#DIV/0!	-100.0%
PCB-111 23'3'55'-PeCB	1.05	#DIV/0!	1.05	#DIV/0!	-100.0%
PCB-120 23'4'55'-PeCB	1.02	#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-107/124 23'3'4'5'-/2'3'455'	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-109 23'3'46'-PeCB	1.01	#DIV/0!	1.01	#DIV/0!	-100.0%
PCB-106 23'3'45'-PeCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-122 2'3'3'45'-PeCB	0.80	#DIV/0!	0.80	#DIV/0!	-100.0%
PCB-127 33'4'55'-PeCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-155 22'4'4'66'-HxCB	1.06	#DIV/0!	1.06	#DIV/0!	-100.0%
PCB-152 22'3'566'-HxCB	0.99	#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-150 22'3'4'66'-HxCB	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-136 22'3'3'66'-HxCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-145 22'3'466'HxCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-148 22'3'4'56'-HxCB	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-151/135 22'3'55'6'-/22'3'3'	0.92	#DIV/0!	0.92	#DIV/0!	-100.0%
PCB-154 22'4'4'5'6'-HxCB	1.05	#DIV/0!	1.05	#DIV/0!	-100.0%
PCB-144 22'3'45'6'-HxCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-147/149 22'3'4'56'-/22'3'4'	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-134 22'3'3'56'-HxCB	0.76	#DIV/0!	0.76	#DIV/0!	-100.0%
PCB-143 22'3'456'-HxCB	0.89	#DIV/0!	0.89	#DIV/0!	-100.0%
PCB-139/140 22'3'44'6'-/22'3'44'	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-131 22'3'3'46'-HxCB	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-142 22'3'456'-HxCB	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-132 22'3'3'46'-HxCB	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-133 22'3'3'55'-HxCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%

PCB-165 233'55'6-HxCB	1.11	#DIV/0!	1.11	#DIV/0!	-100.0%
PCB-146 22'34'55'-HxCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-161 233'45'6-HxCB	1.25	#DIV/0!	1.25	#DIV/0!	-100.0%
PCB-153/168 22'44'55'-/23'44'	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-141 22'34'55'-HxCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-130 22'33'45'-HxCB	0.82	#DIV/0!	0.82	#DIV/0!	-100.0%
PCB-137 22'344'5-HxCB	1.00	#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-164 233'4'5'6-HxCB	1.25	#DIV/0!	1.25	#DIV/0!	-100.0%
PCB-163/138/129 233'4'56-/22'	1.00	#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-160 233'456-HxCB	1.17	#DIV/0!	1.17	#DIV/0!	-100.0%
PCB-158 233'44'6-HxCB	1.40	#DIV/0!	1.40	#DIV/0!	-100.0%
PCB-128/166 22'33'44'-/2344'5	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-159 233'455'-HxCB	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-162 233'4'55'-HxCB	1.13	#DIV/0!	1.13	#DIV/0!	-100.0%
PCB-188 22'34'566'-HpCB	1.08	#DIV/0!	1.08	#DIV/0!	-100.0%
PCB-179 22'33'566'-HpCB	0.99	#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-184 22'344'66'-HpCB	0.99	#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-176 22'33'466'-HpCB	1.08	#DIV/0!	1.08	#DIV/0!	-100.0%
PCB-186 22'34566'-HpCB	1.01	#DIV/0!	1.01	#DIV/0!	-100.0%
PCB-178 22'33'55'6-HpCB	0.79	#DIV/0!	0.79	#DIV/0!	-100.0%
PCB-175 22'33'45'6-HpCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-187 22'34'55'6-HpCB	1.02	#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-182 22'344'56'-HpCB	1.04	#DIV/0!	1.04	#DIV/0!	-100.0%
PCB-183 22'344'5'6-HpCB	1.01	#DIV/0!	1.01	#DIV/0!	-100.0%
PCB-185 22'3455'6-HpCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-174 22'33'456'-HpCB	0.86	#DIV/0!	0.86	#DIV/0!	-100.0%
PCB-177 22'33'4'56-HpCB	0.85	#DIV/0!	0.85	#DIV/0!	-100.0%
PCB-181 22'344'56-HpCB	1.02	#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-171/173 22'33'44'6-/22'3	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-172 22'33'455'-HpCB	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-192 233'455'6-HpCB	1.13	#DIV/0!	1.13	#DIV/0!	-100.0%
PCB-180/193 22'344'55'-/233'	1.08	#DIV/0!	1.08	#DIV/0!	-100.0%
PCB-191 233'44'5'6-HpCB	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-170 22'33'44'5-HpCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-190 233'44'56-HpCB	1.37	#DIV/0!	1.37	#DIV/0!	-100.0%
PCB-202 22'33'55'66'-OcCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-201 22'33'45'66'-OcCB	1.00	#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-204 22'344'566'-OcCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-197 22'33'44'66'-OcCB	1.03	#DIV/0!	1.03	#DIV/0!	-100.0%
PCB-200 22'33'4566'-OcCB	0.92	#DIV/0!	0.92	#DIV/0!	-100.0%
PCB-198/199 22'33'455'6-/22'	0.69	#DIV/0!	0.69	#DIV/0!	-100.0%
PCB-196 22'33'44'56'-OcCB	0.74	#DIV/0!	0.74	#DIV/0!	-100.0%
PCB-203 22'344'55'6-OcCB	0.75	#DIV/0!	0.75	#DIV/0!	-100.0%
PCB-195 22'33'44'56-OcCB	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-194 22'33'44'55'-OcCB	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-205 233'44'55'6-OcCB	1.18	#DIV/0!	1.18	#DIV/0!	-100.0%
PCB-208 22'33'455'66'-NoCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-207 22'33'44'566'-NoCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-206 22'33'44'55'6-NoCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%

Analytical Perspectives — Run Log

Project: 120126Sxx QC

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
3	120126S03	20	CS0_120126_PCB_SA	10.00	SIL 12-5-6	CTW	815-319	26-Jan-2012	16:11:34
4	120126S04	21	CS1_120126_PCB_SA	10.00	SIL 12-5-5	CTW	955-433	26-Jan-2012	17:04:43
5	120126S05	22	CS2_120126_PCB_SA	10.00	SIL 12-5-4	CTW	234-493	26-Jan-2012	17:59:45
6	120126S06	23	CS3_120126_PCB_SB	10.00	SIL 12-5-3	CTW	524-324	26-Jan-2012	18:54:44
7	120126S07	24	CS4_120126_PCB_SA	10.00	SIL 12-5-2	CTW	247-643	26-Jan-2012	19:49:48
8	120126S08	25	CS5_120126_PCB_SA	10.00	SIL 12-5-1	CTW	090-464	26-Jan-2012	20:44:52
9	120126S09	12	SBS_120126_PCB_SB	10.00	SIL 9-41-1	CTW	534-061	26-Jan-2012	21:52:48
10	120126S10	12	SBS_120126_PCB_SC	10.00	SIL 9-41-1	CTW	398-567	26-Jan-2012	22:45:51
11	120126S11	12	SBS_120126_PCB_SD	10.00	SIL 9-41-1	CTW	994-650	26-Jan-2012	23:40:57

REVIEWED*By cwood at 2:30 pm, Jan 30, 2012*

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 16:11							
Datafile:	120126S03							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.53	2.25E+05	0.68 Y	1.22	1.16	-5.7%		
PCB-81 344'5'-TeCB	30.05	2.14E+05	0.79 Y	1.24	1.15	-7.4%		
PCB-105 233'44'-PeCB	33.50	1.46E+05	0.65 Y	1.03	0.94	-8.4%		
PCB-114 2344'5'-PeCB	32.97	1.68E+05	0.66 Y	1.10	1.05	-4.2%		
PCB-118 23'44'5'-PeCB	32.52	1.58E+05	0.62 Y	1.03	0.97	-6.0%		
PCB-123 2'344'5'-PeCB	32.24	1.44E+05	0.59 Y	0.93	0.85	-8.3%		
PCB-126 33'44'5'-PeCB	36.13	1.97E+05	0.65 Y	1.11	1.13	1.8%		
PCB-156/157 233'44'5'/233'44'5'	38.68	2.98E+05	1.27 Y	1.05	0.99	-5.7%		
PCB-167 23'44'55'-HxCB	37.71	1.53E+05	1.17 Y	1.08	1.01	-7.0%		
PCB-169 33'44'55'-HxCB	41.41	1.56E+05	1.27 Y	1.04	1.00	-4.0%		
PCB-189 233'44'55'-HpCB	43.55	1.93E+05	1.10 Y	1.11	1.10	-0.5%		
PCB-209 DeCB	48.54	1.31E+05	1.11 Y	1.05	1.12	6.7%		
ES PCB-1	10.49	5.07E+07	3.18 Y	1.01	1.01	0.0%		
ES PCB-3	12.55	5.25E+07	3.21 Y	1.05	1.05	-0.3%		
ES PCB-4	12.77	3.51E+07	1.54 Y	0.70	0.70	0.5%		
ES PCB-15	18.11	5.95E+07	1.61 Y	1.17	1.19	1.5%		
ES PCB-19	15.61	2.87E+07	1.04 Y	0.57	0.57	1.2%		
ES PCB-37	24.24	4.43E+07	1.07 Y	1.41	1.42	0.8%		
ES PCB-54	18.36	3.99E+07	0.78 Y	1.32	1.28	-2.9%		
ES PCB-77	30.51	3.89E+07	0.79 Y	1.22	1.25	2.6%		
ES PCB-81	30.04	3.71E+07	0.80 Y	1.15	1.19	3.7%		
ES PCB-104	23.20	4.15E+07	1.58 Y	1.69	1.67	-1.0%		
ES PCB-105	33.48	3.11E+07	1.58 Y	1.21	1.25	3.9%		
ES PCB-114	32.94	3.20E+07	1.58 Y	1.23	1.29	4.5%		
ES PCB-118	32.49	3.24E+07	1.59 Y	1.25	1.30	4.8%		
ES PCB-123	32.22	3.41E+07	1.57 Y	1.33	1.37	3.4%		
ES PCB-126	36.10	3.48E+07	1.66 Y	1.36	1.40	3.3%		
ES PCB-153	34.09	2.89E+07	1.29 Y	1.09	1.09	0.2%		
ES PCB-155	28.10	3.61E+07	1.23 Y	1.40	1.36	-3.1%		
ES PCB-156/157	38.65	6.06E+07	1.28 Y	1.13	1.14	0.6%		
ES PCB-167	37.69	3.04E+07	1.26 Y	1.13	1.14	1.1%		
ES PCB-169	41.39	3.12E+07	1.26 Y	1.14	1.17	2.7%		
ES PCB-170	40.89	2.42E+07	1.04 Y	1.23	1.23	-0.2%		
ES PCB-180	39.84	2.86E+07	1.05 Y	1.46	1.45	-1.2%		
ES PCB-188	32.95	3.58E+07	1.05 Y	1.34	1.35	0.5%		
ES PCB-189	43.53	3.50E+07	1.06 Y	1.77	1.77	0.3%		
ES PCB-202	37.49	3.41E+07	0.89 Y	1.27	1.28	0.9%		
ES PCB-205	45.70	2.45E+07	0.91 Y	1.25	1.24	-0.6%		
ES PCB-206	47.17	2.09E+07	0.77 Y	1.07	1.06	-0.7%		
ES PCB-208	43.13	2.60E+07	0.78 Y	1.34	1.32	-1.4%		
ES PCB-209	48.52	2.33E+07	1.17 Y	1.18	1.18	-0.2%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:45		
Lab ID:	CS0_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	4.28E+07	1.07 Y	0.98	0.97	-1.5%	
SS PCB-111	30.57	3.03E+07	1.58 Y	0.90	0.89	-0.9%	
SS PCB-178	35.53	2.29E+07	1.09 Y	0.65	0.64	-1.0%	
CS PCB-28	20.78	4.28E+07	1.07 Y	1.39	1.38	-0.6%	
CS PCB-111	30.57	3.03E+07	1.58 Y	1.19	1.22	2.5%	
CS PCB-178	35.53	2.29E+07	1.09 Y	0.87	0.86	-0.6%	
JS PCB-9	14.60	5.00E+07	1.61 Y	-	-	-	
JS PCB-52	22.37	3.11E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	2.48E+07	1.60 Y	-	-	-	
JS PCB-138	35.13	2.66E+07	1.24 Y	-	-	-	
JS PCB-194	45.30	1.97E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.50	3.01E+05	3.10 Y	1.20	1.19	-1.0%	
PCB-3 4-MoCB	12.56	2.92E+05	2.84 Y	1.13	1.11	-1.6%	
PCB-4 22'-DiCB	12.78	1.64E+05	0.00 S	0.94	0.94	-1.0%	
PCB-15 44'-DiCB	18.13	2.91E+05	0.00 S	1.01	0.98	-3.0%	
PCB-19 22'6'-TrCB	15.63	1.38E+05	1.01 Y	1.01	0.96	-4.8%	
PCB-37 344'-TrCB	24.26	2.57E+05	1.07 Y	1.20	1.16	-3.3%	
PCB-54 22'66'-TeCB	18.38	1.76E+05	0.80 Y	0.93	0.88	-5.6%	
PCB-104 22'466'-PeCB	23.22	1.89E+05	0.65 Y	0.92	0.91	-0.5%	
PCB-153 22'44'55' -HxCB	34.14	3.20E+05	1.12 Y	1.15	1.11	-3.6%	
PCB-155 22'44'66'-HxCB	28.12	1.89E+05	1.11 Y	1.06	1.04	-1.1%	
PCB-170 22'33'44'5'-HpCB	40.91	1.10E+05	1.00 Y	1.00	0.91	-8.9%	
PCB-180 22'344'55'-HpCB	39.83	2.76E+05	1.16 Y	1.01	0.97	-4.5%	
PCB-188 22'34'566'-HpCB	32.97	1.86E+05	1.00 Y	1.07	1.04	-2.2%	
PCB-202 22'33'55'66'-OcCB	37.51	1.47E+05	0.83 Y	0.83	0.86	4.3%	
PCB-205 233'44'55'6'-OcCB	45.72	1.30E+05	0.86 Y	1.09	1.06	-2.6%	
PCB-208 22'33'455'66'-NoCB	43.15	1.24E+05	0.75 Y	0.98	0.95	-2.2%	
PCB-206 22'33'44'55'6'-NoCB	47.19	9.35E+04	0.76 Y	0.93	0.89	-4.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	3.01E+05	3.10 Y	1.20	1.19	-1.0%	
PCB-2 3-MoCB	12.39	2.82E+05	3.24 Y	1.13	1.08	-4.9%	
PCB-3 4-MoCB	12.56	2.92E+05	2.84 Y	1.13	1.11	-1.6%	
PCB-4 22'-DiCB	12.78	1.64E+05	0.00 S	0.94	0.94	-1.0%	
PCB-10 26-DiCB	12.95	2.54E+05	0.00 S	1.43	1.45	1.2%	
PCB-9 25-DiCB	14.62	2.55E+05	0.00 S	0.87	0.86	-1.4%	
PCB-7 24-DiCB	14.77	2.81E+05	0.00 S	1.00	0.94	-6.1%	
PCB-6 23'-DiCB	14.98	2.71E+05	0.00 S	0.94	0.91	-2.8%	
PCB-5 23-DiCB	15.25	2.37E+05	0.00 S	0.92	0.79	-13.7%	
PCB-8 24'-DiCB	15.37	2.67E+05	0.00 S	0.95	0.90	-5.3%	
PCB-14 35-DiCB	16.85	3.09E+05	0.00 S	1.09	1.04	-5.0%	
PCB-11 33'-DiCB	17.58	3.05E+05	0.00 S	0.98	1.02	4.9%	
PCB-13/12 34'-/34-DiCB	17.85	5.80E+05	0.00 S	0.97	0.98	0.6%	
PCB-15 44'-DiCB	18.13	2.91E+05	0.00 S	1.01	0.98	-3.0%	
PCB-19 22'6-TrCB	15.63	1.38E+05	1.01 Y	1.01	0.96	-4.8%	
PCB-30/18 246-/22'5-TrCB	17.31	3.47E+05	0.94 Y	1.29	1.21	-6.6%	
PCB-17 22'4-TrCB	17.69	1.61E+05	1.12 Y	1.14	1.12	-1.7%	
PCB-27 23'6-TrCB	17.87	2.03E+05	1.02 Y	1.48	1.41	-4.9%	
PCB-24 236-TrCB	17.99	1.97E+05	1.14 Y	1.43	1.37	-4.1%	
PCB-16 22'3-TrCB	18.08	1.25E+05	1.07 Y	0.89	0.87	-2.8%	
PCB-32 24'6-TrCB	18.54	2.15E+05	1.05 Y	1.56	1.49	-4.2%	
PCB-34 2'35-TrCB	19.67	2.53E+05	1.07 Y	1.18	1.14	-3.0%	
PCB-23 235-TrCB	19.81	2.52E+05	1.08 Y	1.19	1.14	-4.1%	
PCB-26/29 23'5-/245-TrCB	20.08	5.01E+05	1.07 Y	1.20	1.13	-5.8%	
PCB-25 23'4-TrCB	20.27	2.41E+05	1.05 Y	1.19	1.09	-8.7%	
PCB-31 24'5-TrCB	20.54	2.58E+05	1.04 Y	1.23	1.17	-4.9%	
PCB-28/20 244'-/233'-TrCB	20.81	5.05E+05	0.99 Y	1.18	1.14	-3.3%	
PCB-21/33 234-/2'34-TrCB	20.98	5.27E+05	1.01 Y	1.21	1.19	-2.0%	
PCB-22 234'-TrCB	21.34	2.30E+05	1.05 Y	1.11	1.04	-7.0%	
PCB-36 33'5-TrCB	22.71	2.48E+05	1.02 Y	1.21	1.12	-7.5%	
PCB-39 34'5-TrCB	23.02	2.95E+05	1.03 Y	1.32	1.33	1.1%	
PCB-38 345-TrCB	23.53	2.45E+05	0.95 Y	1.15	1.11	-4.2%	
PCB-35 33'4-TrCB	23.91	2.43E+05	0.96 Y	1.13	1.10	-3.3%	
PCB-37 344'-TrCB	24.26	2.57E+05	1.07 Y	1.20	1.16	-3.3%	
PCB-54 22'66'-TeCB	18.38	1.76E+05	0.80 Y	0.93	0.88	-5.6%	
PCB-50/53 22'46-/22'56'TeCB	20.31	2.75E+05	0.78 Y	0.83	0.74	-11.1%	
PCB-45 22'36'-TeCB	20.86	1.18E+05	0.72 Y	0.71	0.64	-9.7%	
PCB-51 22'46'-TeCB	20.94	1.46E+05	0.83 Y	0.88	0.79	-10.3%	
PCB-46 22'36'-TeCB	21.14	1.16E+05	0.76 Y	0.69	0.62	-10.1%	
PCB-52 22'55'-TeCB	22.39	1.34E+05	0.81 Y	0.80	0.72	-10.3%	
PCB-73 23'5'6TeCB	22.52	1.76E+05	0.77 Y	1.03	0.95	-8.1%	
PCB-43 22'35'-TeCB	22.60	1.21E+05	0.86 Y	0.71	0.65	-7.5%	
PCB-69/49 23'46-/22'45'TeCB	22.80	3.28E+05	0.73 Y	0.96	0.88	-7.9%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.07	1.42E+05	0.84 Y	0.84	0.77	-8.3%	
PCB-44/47/65 22'35'-/22'44'-	23.28	4.37E+05	0.74 Y	0.86	0.78	-8.7%	
PCB-59/62/75 233'6'-/2346-/24	23.55	5.57E+05	0.77 Y	1.09	1.00	-8.5%	
PCB-42 22'34'-TeCB	23.70	1.32E+05	0.84 Y	0.77	0.71	-6.9%	
PCB-41 22'34'-TeCB	24.02	1.16E+05	0.73 Y	0.73	0.62	-14.0%	
PCB-71/40 23'4'6/22'33'-TeCB	24.12	2.68E+05	0.83 Y	0.81	0.72	-11.3%	
PCB-64 234'6'-TeCB	24.32	2.04E+05	0.75 Y	1.17	1.10	-5.7%	
PCB-72 23'55'-TeCB	25.06	2.14E+05	0.85 Y	1.25	1.15	-7.9%	
PCB-68 23'45'-TeCB	25.31	2.38E+05	0.89 Y	1.36	1.28	-6.0%	
PCB-57 233'5'-TeCB	25.66	2.15E+05	0.83 Y	1.22	1.16	-5.4%	
PCB-58 233'5'-TeCB	25.86	2.38E+05	0.81 Y	1.26	1.28	2.1%	
PCB-67 23'45'-TeCB	26.01	2.21E+05	0.79 Y	1.27	1.19	-6.5%	
PCB-63 234'5'-TeCB	26.24	2.27E+05	0.85 Y	1.34	1.22	-8.4%	
PCB-61/70/74/76 2345-/23'4'5	26.52	8.58E+05	0.77 Y	1.24	1.15	-7.1%	
PCB-66 23'44'-TeCB	26.80	1.98E+05	0.69 Y	1.19	1.07	-10.2%	
PCB-55 233'4'-TeCB	26.93	2.24E+05	0.77 Y	1.22	1.20	-1.1%	
PCB-56 233'4'-TeCB	27.36	2.07E+05	0.78 Y	1.18	1.12	-5.3%	
PCB-60 2344'-TeCB	27.55	2.22E+05	0.70 Y	1.24	1.20	-3.3%	
PCB-80 33'55'-TeCB	27.92	2.38E+05	0.85 Y	1.37	1.28	-6.8%	
PCB-79 33'45'-TeCB	29.21	2.40E+05	0.84 Y	1.37	1.29	-5.4%	
PCB-78 33'45'-TeCB	29.68	2.20E+05	0.71 Y	1.19	1.18	-0.8%	
PCB-104 22'466'-PeCB	23.22	1.89E+05	0.65 Y	0.92	0.91	-0.5%	
PCB-96 22'366'-PeCB	23.52	1.67E+05	0.62 Y	0.81	0.81	-0.4%	
PCB-103 22'45'6'-PeCB	25.21	1.17E+05	0.65 Y	0.78	0.68	-11.7%	
PCB-94 22'356'-PeCB	25.39	1.17E+05	0.63 Y	0.71	0.69	-3.8%	
PCB-95 22'35'6'-PeCB	25.76	1.22E+05	0.69 Y	0.74	0.72	-3.4%	
PCB-100/93 22'44'6-/22'356-P	25.97	2.32E+05	0.62 Y	0.75	0.68	-8.8%	
PCB-102 22'456'-PeCB	26.08	1.13E+05	0.61 Y	0.75	0.66	-11.3%	
PCB-98 22'3'46'-PeCB	26.14	1.15E+05	0.62 Y	0.71	0.68	-4.9%	
PCB-88 22'346'-PeCB	26.43	1.06E+05	0.55 Y	0.66	0.63	-5.9%	
PCB-91 22'34'6'-PeCB	26.50	1.32E+05	0.55 Y	0.84	0.78	-7.5%	
PCB-84 22'33'6'-PeCB	26.68	1.07E+05	0.60 Y	0.65	0.63	-3.2%	
PCB-89 22'346'-PeCB	27.10	1.07E+05	0.63 Y	0.69	0.63	-8.7%	
PCB-121 23'45'6'-PeCB	27.49	1.58E+05	0.59 Y	0.98	0.93	-5.6%	
PCB-92 22'355'-PeCB	27.79	1.17E+05	0.53 Y	0.72	0.68	-4.4%	
PCB-113/90/101 233'5'6-/22'3	28.27	3.83E+05	0.59 Y	0.81	0.75	-7.3%	
PCB-83 22'33'5'-PeCB	28.69	9.64E+04	0.71 N	0.62	0.57	-9.1%	
PCB-99 22'44'5'-PeCB	28.79	1.14E+05	0.63 Y	0.76	0.67	-12.5%	
PCB-112 233'56'-PeCB	28.89	1.50E+05	0.61 Y	0.96	0.88	-8.3%	
PCB-108/119/86/97/125/87 233	29.22	7.81E+05	0.62 Y	0.83	0.76	-7.4%	
PCB-117 234'56'-PeCB	29.75	1.47E+05	0.63 Y	0.94	0.86	-8.4%	
PCB-116/85 23456-/22'344'-Pe	29.83	2.59E+05	0.60 Y	0.81	0.76	-6.1%	
PCB-110 233'4'6'-PeCB	29.96	1.47E+05	0.62 Y	0.92	0.86	-6.2%	

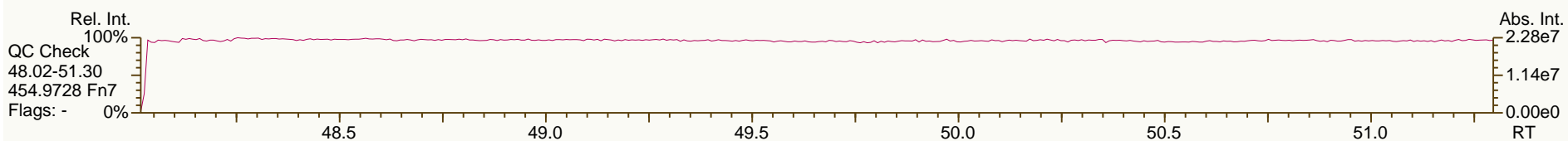
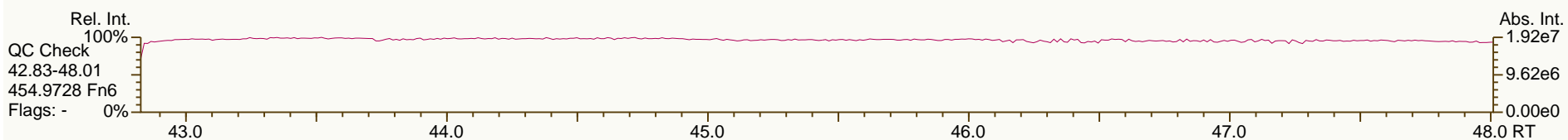
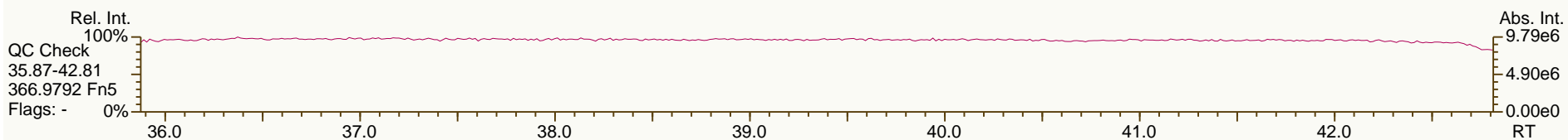
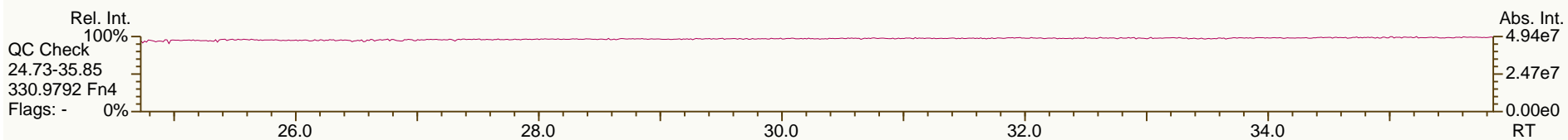
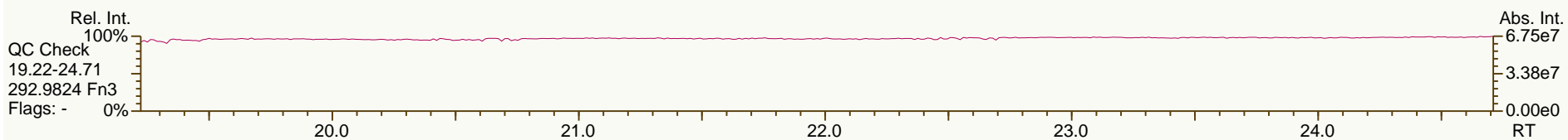
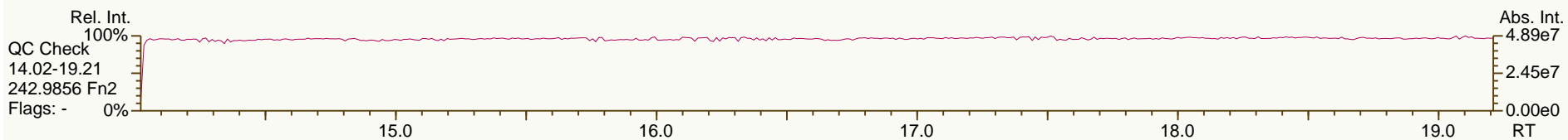
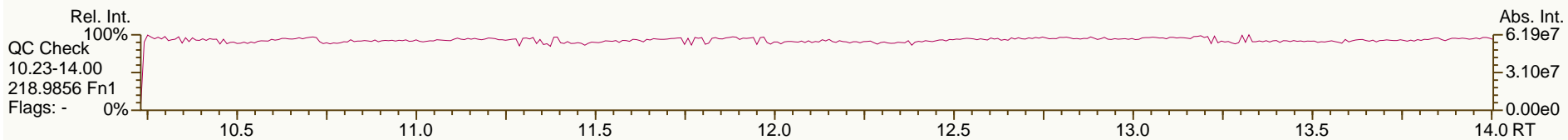
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	30.04	1.55E+05	0.60 Y	0.95	0.91	-3.7%	
PCB-82 22'33'4'-PeCB	30.23	9.49E+04	0.63 Y	0.62	0.56	-9.5%	
PCB-111 233'55'-PeCB	30.59	1.61E+05	0.64 Y	0.98	0.95	-4.0%	
PCB-120 23'455'-PeCB	30.98	1.55E+05	0.63 Y	0.99	0.91	-8.1%	
PCB-107/124 233'4'5'-/2'3455'	31.93	3.09E+05	0.61 Y	0.92	0.91	-1.4%	
PCB-109 233'46'-PeCB	32.14	1.52E+05	0.56 Y	1.00	0.90	-10.0%	
PCB-106 233'45'-PeCB	32.34	1.61E+05	0.62 Y	0.96	0.94	-2.0%	
PCB-122 2'33'45'-PeCB	32.80	1.34E+05	0.52 N	0.93	0.84	-9.5%	
PCB-127 33'455'-PeCB	34.77	1.54E+05	0.59 Y	1.04	0.99	-5.0%	
PCB-155 22'44'66'-HxCB	28.12	1.89E+05	1.11 Y	1.06	1.04	-1.1%	
PCB-152 22'3566'-HxCB	28.25	1.69E+05	1.22 Y	0.98	0.93	-4.8%	
PCB-150 22'34'66'-HxCB	28.41	1.72E+05	1.27 Y	0.99	0.95	-3.7%	
PCB-136 22'33'66'-HxCB	28.69	1.61E+05	1.20 Y	0.92	0.89	-3.1%	
PCB-145 22'3466'HxCB	28.96	1.68E+05	1.16 Y	0.94	0.93	-1.1%	
PCB-148 22'34'56'-HxCB	30.27	1.34E+05	1.15 Y	0.95	0.93	-2.2%	
PCB-151/135 22'355'6-/22'33'	30.77	2.49E+05	1.43 Y	0.92	0.86	-6.1%	
PCB-154 22'44'5'6'-HxCB	30.99	1.34E+05	1.06 Y	1.01	0.93	-8.5%	
PCB-144 22'345'6'-HxCB	31.24	1.14E+05	1.23 Y	0.93	0.79	-15.0%	
PCB-147/149 22'34'56-/22'34'	31.54	2.45E+05	1.36 Y	0.94	0.85	-9.5%	
PCB-134 22'33'56'-HxCB	31.71	1.08E+05	1.40 Y	0.78	0.75	-4.3%	
PCB-143 22'3456'-HxCB	31.78	1.25E+05	1.23 Y	0.90	0.86	-3.8%	
PCB-139/140 22'344'6-/22'344'	32.05	2.57E+05	1.24 Y	0.95	0.89	-6.5%	
PCB-131 22'33'46'-HxCB	32.22	1.14E+05	1.32 Y	0.84	0.79	-5.8%	
PCB-142 22'3456'-HxCB	32.35	1.28E+05	1.35 Y	0.87	0.89	1.8%	
PCB-132 22'33'46'-HxCB	32.59	1.29E+05	1.25 Y	0.88	0.89	1.8%	
PCB-133 22'33'55'-HxCB	33.04	1.29E+05	1.43 Y	0.89	0.89	0.3%	
PCB-165 233'55'6'-HxCB	33.38	1.47E+05	1.20 Y	1.06	1.02	-4.2%	
PCB-146 22'34'55'-HxCB	33.59	1.28E+05	1.38 Y	0.94	0.88	-6.5%	
PCB-161 233'45'6'-HxCB	33.71	1.68E+05	1.16 Y	1.20	1.16	-3.1%	
PCB-153/168 22'44'55'-/23'44'	34.14	3.20E+05	1.12 Y	1.15	1.11	-3.6%	
PCB-141 22'3455'-HxCB	34.27	1.27E+05	1.18 Y	0.91	0.88	-3.6%	
PCB-130 22'33'45'-HxCB	34.61	1.15E+05	1.13 Y	0.82	0.80	-2.9%	
PCB-137 22'344'5'-HxCB	34.81	1.48E+05	1.20 Y	1.00	1.02	1.9%	
PCB-164 233'4'5'6'-HxCB	34.89	1.44E+05	1.14 Y	1.14	0.99	-12.6%	
PCB-163/138/129 233'4'56-/22'	35.17	4.04E+05	1.20 Y	0.98	0.93	-5.4%	
PCB-160 233'456'-HxCB	35.30	1.60E+05	1.33 Y	1.14	1.10	-3.3%	
PCB-158 233'44'6'-HxCB	35.49	1.73E+05	1.37 Y	1.24	1.20	-3.9%	
PCB-128/166 22'33'44'-/2344'5	36.21	2.39E+05	1.21 Y	0.86	0.79	-9.0%	
PCB-159 233'455'-HxCB	37.07	1.48E+05	1.25 Y	1.03	0.97	-5.2%	
PCB-162 233'4'55'-HxCB	37.31	1.47E+05	1.32 Y	1.04	0.97	-6.6%	
PCB-188 22'34'566'-HpCB	32.97	1.86E+05	1.00 Y	1.07	1.04	-2.2%	
PCB-179 22'33'566'-HpCB	33.24	1.54E+05	1.16 Y	0.98	0.86	-12.0%	
PCB-184 22'344'66'-HpCB	33.71	1.76E+05	0.98 Y	0.97	0.98	1.1%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:45		
Lab ID:	CS0_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	1.72E+05	1.15 Y	1.06	0.96	-9.7%	
PCB-186 22'34566'-HpCB	34.37	1.75E+05	0.98 Y	1.02	0.98	-3.9%	
PCB-178 22'33'55'6'-HpCB	35.55	1.33E+05	1.11 Y	0.77	0.74	-3.9%	
PCB-175 22'33'45'6'-HpCB	36.09	1.28E+05	1.14 Y	0.89	0.90	0.3%	
PCB-187 22'34'55'6'-HpCB	36.32	1.36E+05	1.10 Y	0.94	0.95	1.8%	
PCB-182 22'344'56'-HpCB	36.50	1.29E+05	1.05 Y	0.95	0.90	-5.1%	
PCB-183 22'344'5'6'-HpCB	36.84	1.28E+05	1.14 Y	0.96	0.90	-6.4%	
PCB-185 22'3455'6'-HpCB	36.91	1.36E+05	1.09 Y	0.93	0.95	2.7%	
PCB-174 22'33'456'-HpCB	37.02	1.02E+05	1.19 Y	0.80	0.71	-10.8%	
PCB-177 22'33'4'56'-HpCB	37.39	1.11E+05	1.14 Y	0.82	0.78	-4.5%	
PCB-181 22'344'56'-HpCB	37.74	1.20E+05	1.01 Y	0.91	0.84	-8.3%	
PCB-171/173 22'33'44'6'-/22'3	37.92	2.10E+05	1.13 Y	0.81	0.73	-9.7%	
PCB-172 22'33'455'-HpCB	39.31	1.10E+05	1.18 Y	0.83	0.77	-6.8%	
PCB-192 233'455'6'-HpCB	39.55	1.55E+05	1.19 Y	1.09	1.09	-0.6%	
PCB-180/193 22'344'55'-/233'	39.83	2.76E+05	1.16 Y	1.01	0.97	-4.5%	
PCB-191 233'44'5'6'-HpCB	40.15	1.63E+05	1.12 Y	1.13	1.14	0.7%	
PCB-170 22'33'44'5'-HpCB	40.91	1.10E+05	1.00 Y	1.00	0.91	-8.9%	
PCB-190 233'44'56'-HpCB	41.36	1.64E+05	1.00 Y	1.35	1.36	0.1%	
PCB-202 22'33'55'66'-OcCB	37.51	1.47E+05	0.83 Y	0.83	0.86	4.3%	
PCB-201 22'33'45'66'-OcCB	38.30	1.53E+05	0.88 Y	0.93	0.90	-3.0%	
PCB-204 22'344'566'-OcCB	38.87	1.54E+05	0.81 Y	0.89	0.91	1.7%	
PCB-197 22'33'44'66'-OcCB	39.06	1.42E+05	0.75 N	0.91	0.83	-8.6%	
PCB-200 22'33'4566'-OcCB	39.14	1.57E+05	0.88 Y	0.93	0.92	-0.9%	
PCB-198/199 22'33'455'6'-/22'	41.49	2.32E+05	0.91 Y	0.68	0.68	-0.3%	
PCB-196 22'33'44'56'-OcCB	42.07	1.20E+05	0.98 Y	0.72	0.70	-2.1%	
PCB-203 22'344'55'6'-OcCB	42.24	1.24E+05	0.95 Y	0.74	0.73	-1.5%	
PCB-195 22'33'44'56'-OcCB	43.34	9.61E+04	0.87 Y	0.81	0.78	-3.3%	
PCB-194 22'33'44'55'-OcCB	45.32	9.59E+04	0.94 Y	0.86	0.78	-8.7%	
PCB-205 233'44'55'6'-OcCB	45.72	1.30E+05	0.86 Y	1.09	1.06	-2.6%	
PCB-208 22'33'455'66'-NoCB	43.15	1.24E+05	0.75 Y	0.98	0.95	-2.2%	
PCB-207 22'33'44'566'-NoCB	43.94	1.27E+05	0.74 Y	1.02	0.97	-4.3%	
PCB-206 22'33'44'55'6'-NoCB	47.19	9.35E+04	0.76 Y	0.93	0.89	-4.3%	

AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

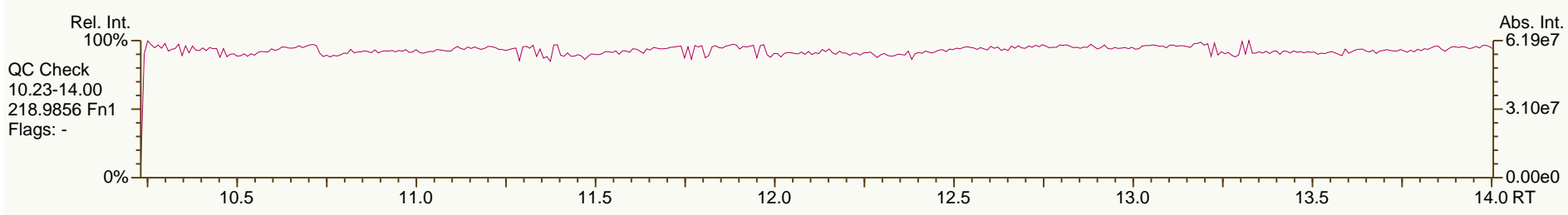
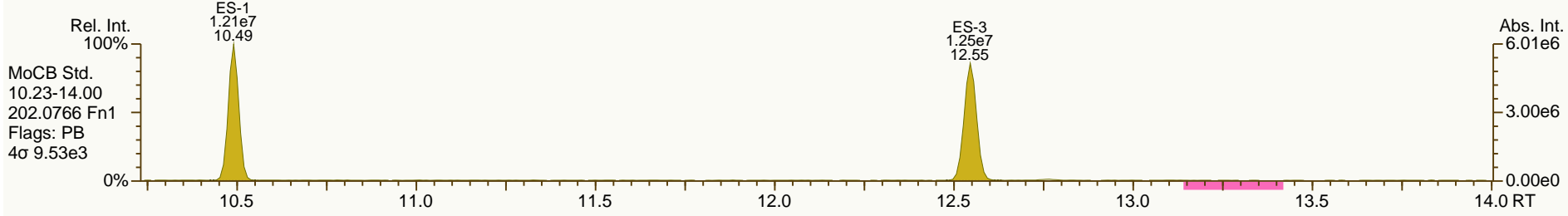
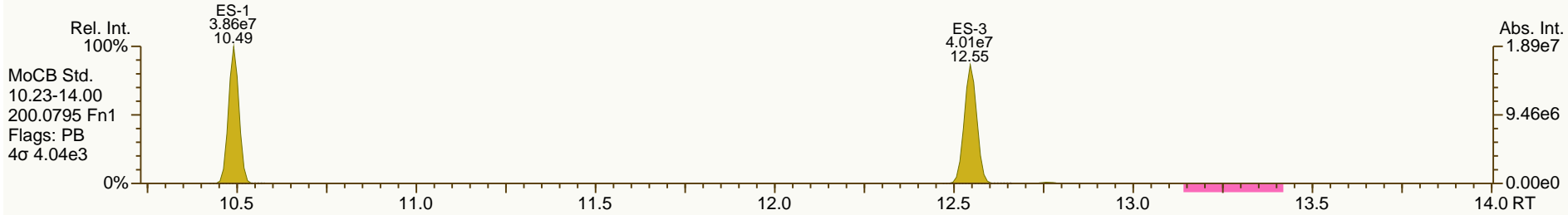
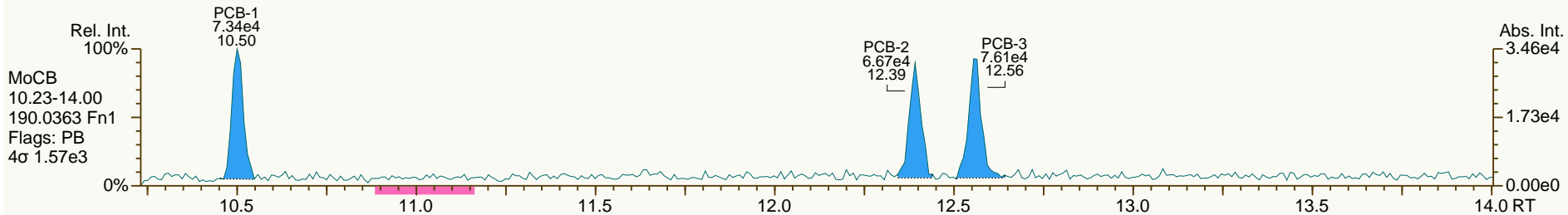
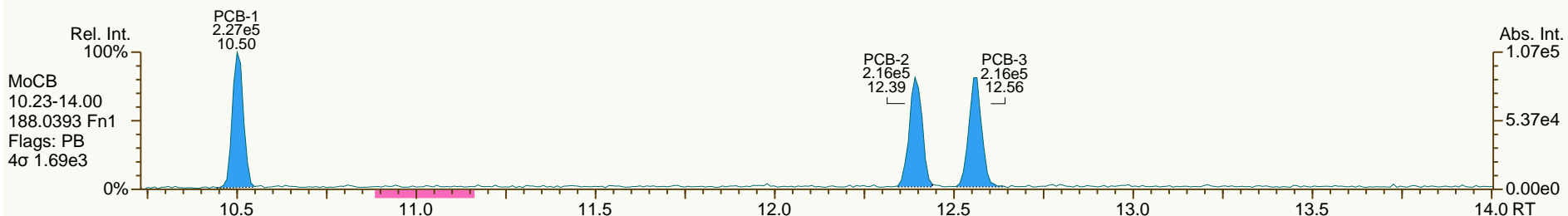
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

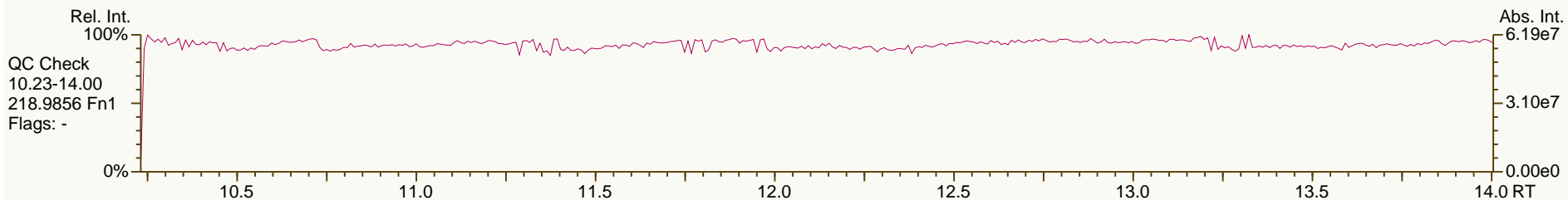
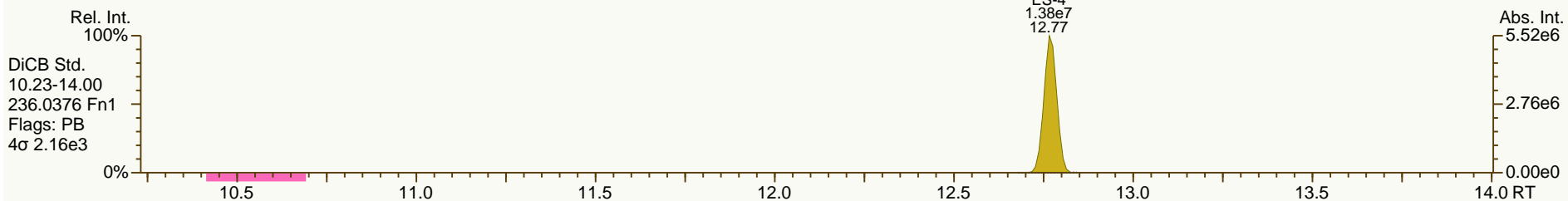
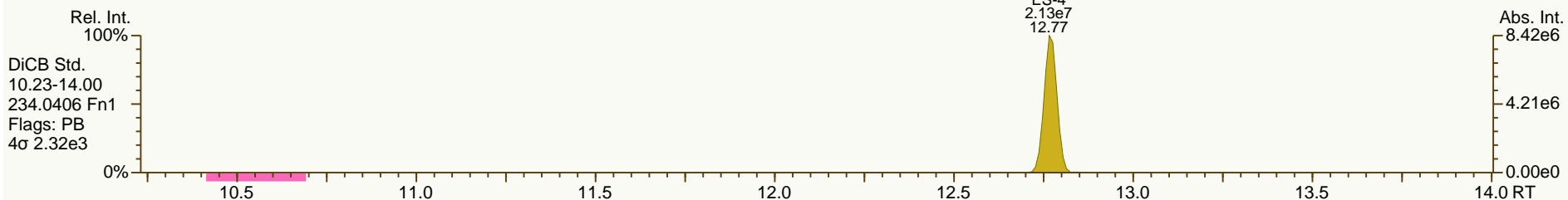
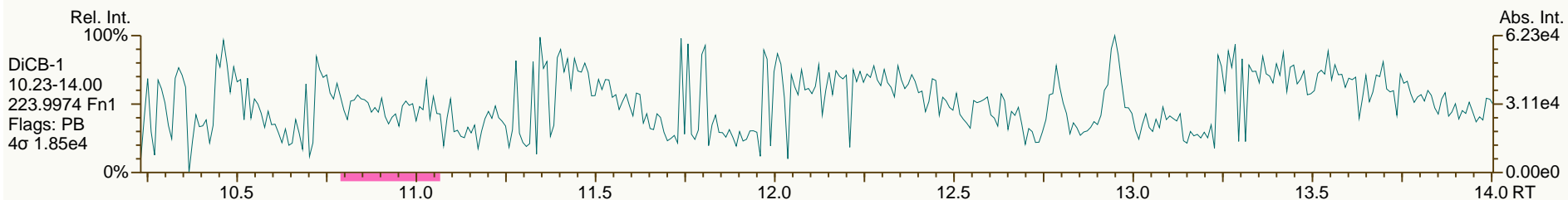
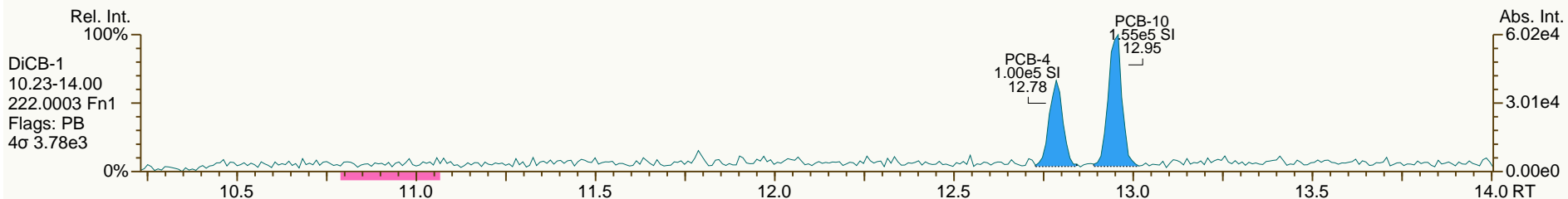
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

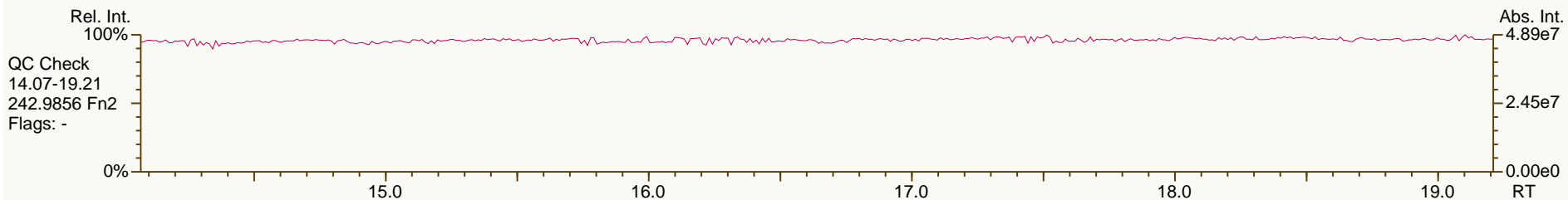
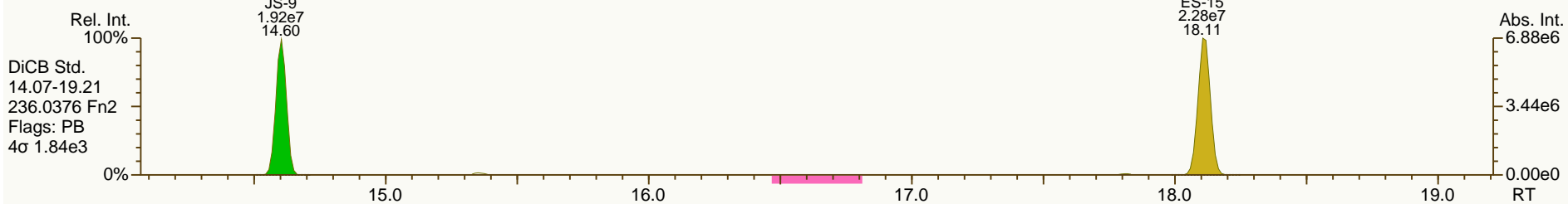
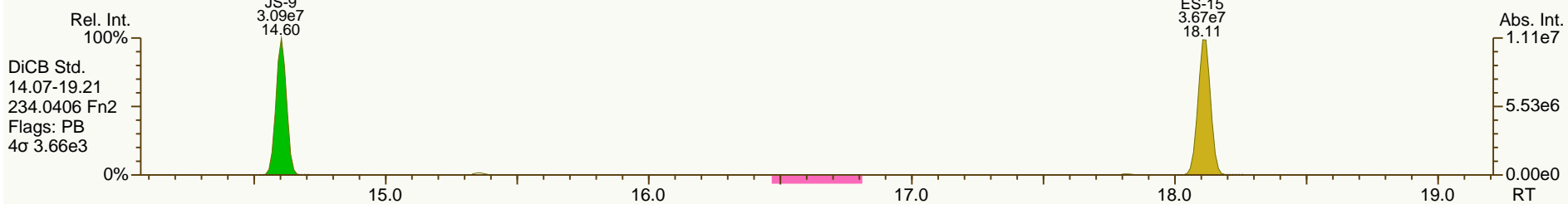
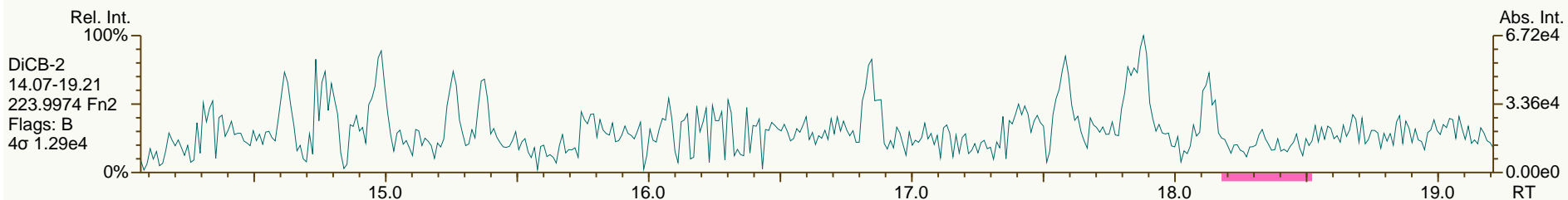
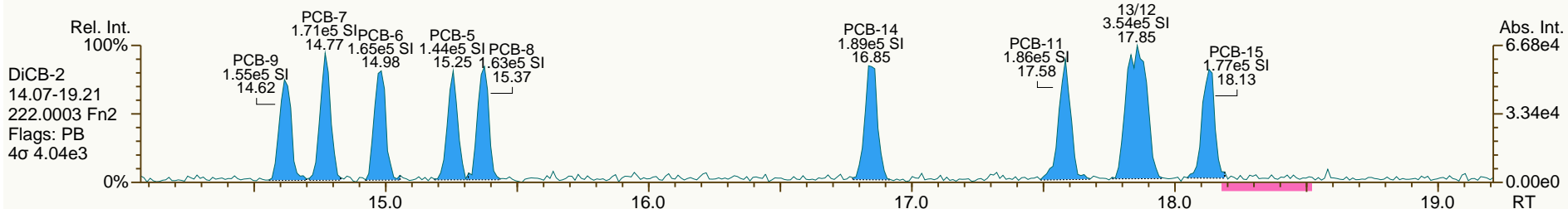
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

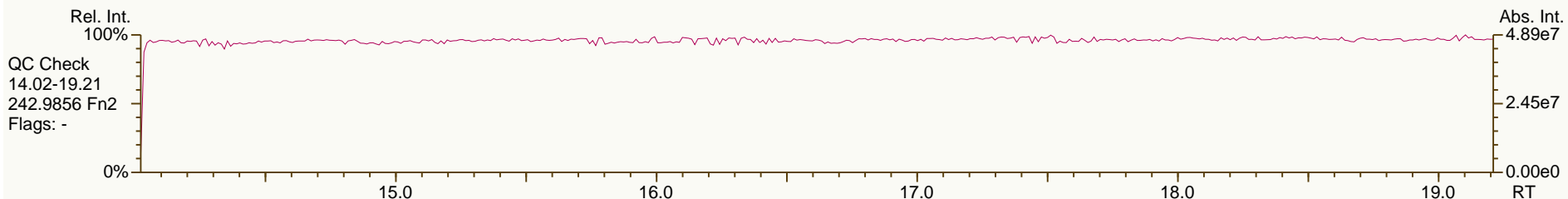
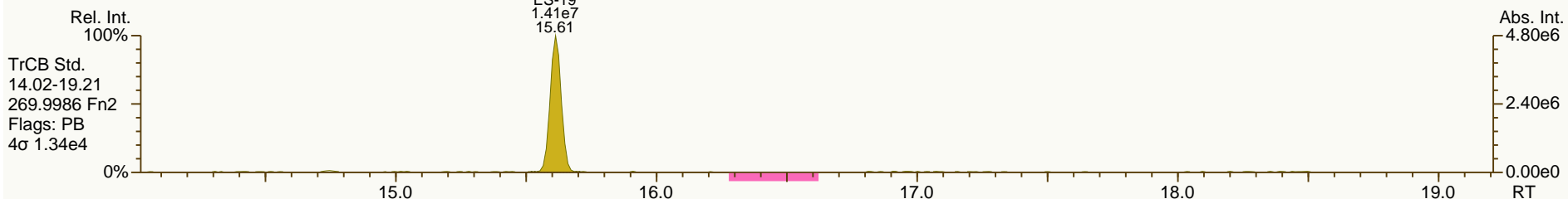
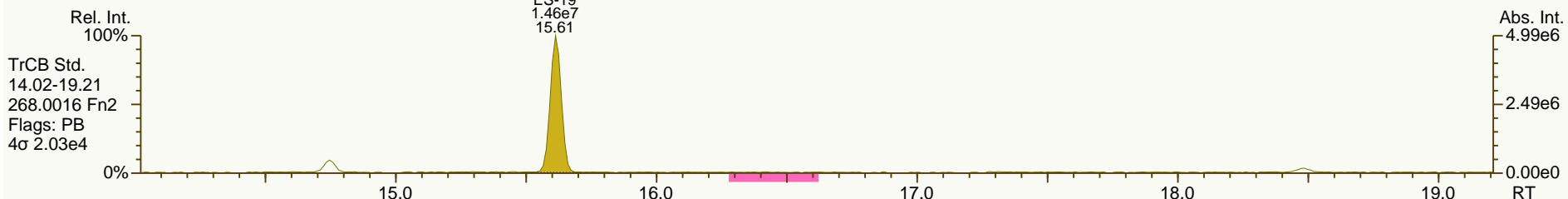
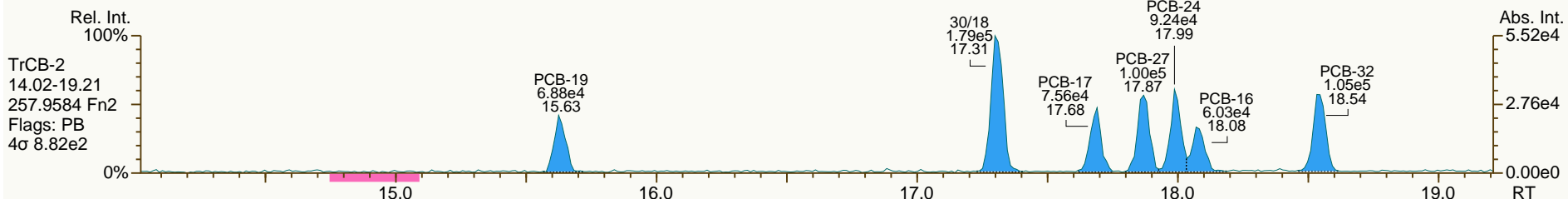
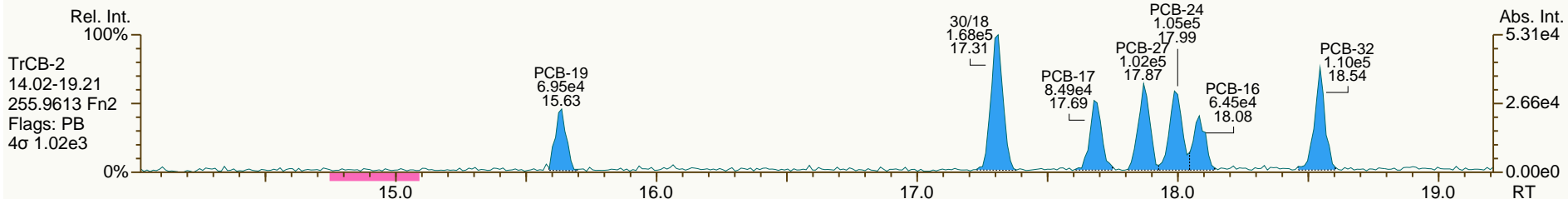
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

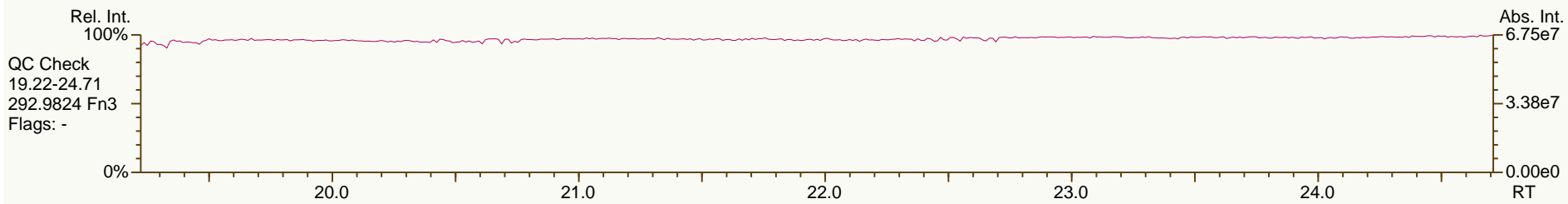
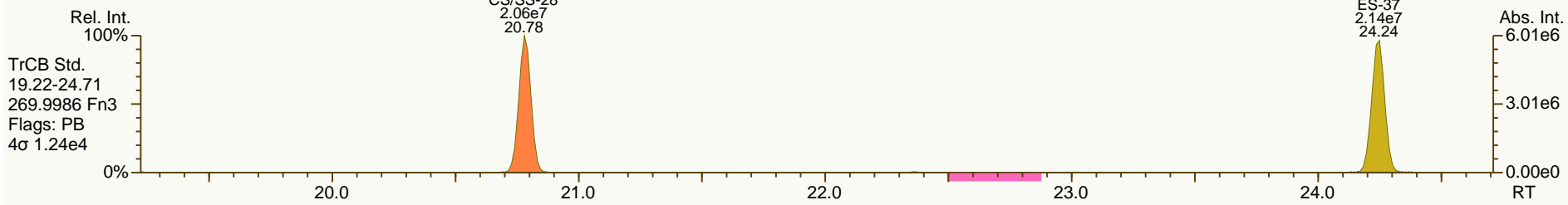
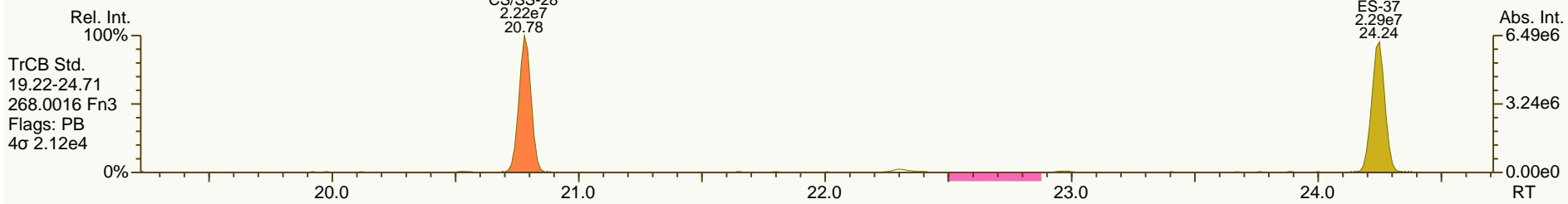
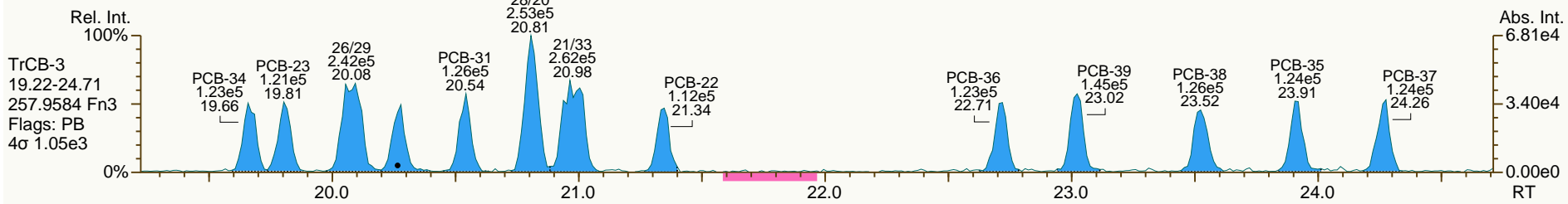
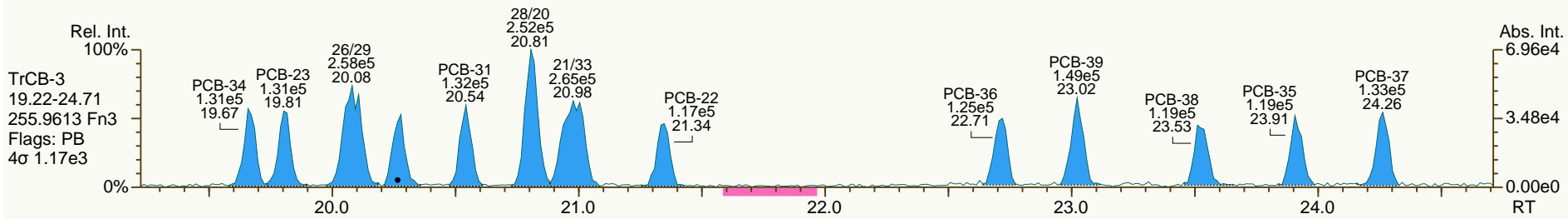
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

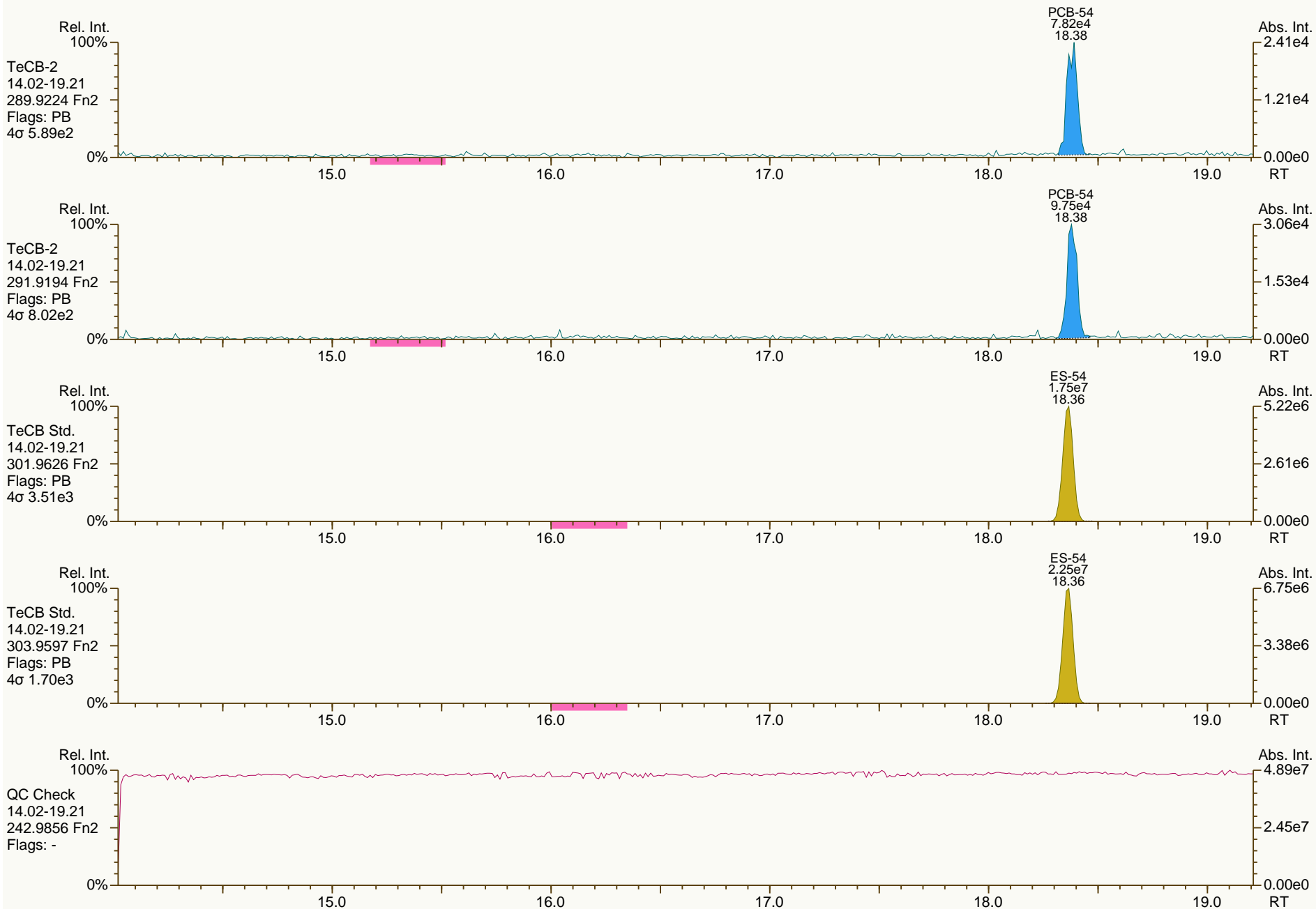
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

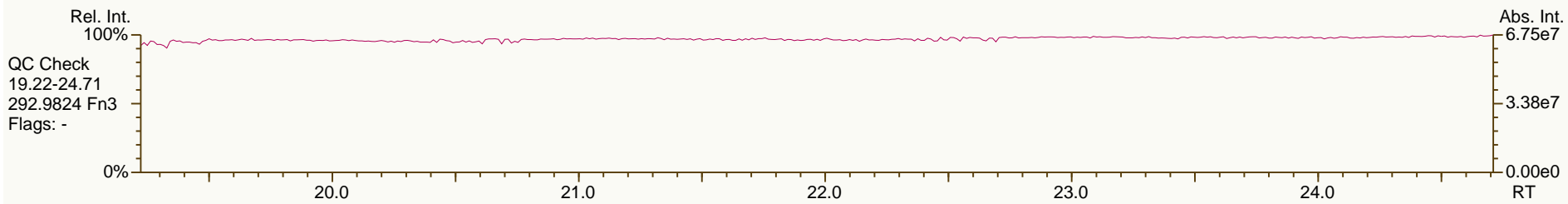
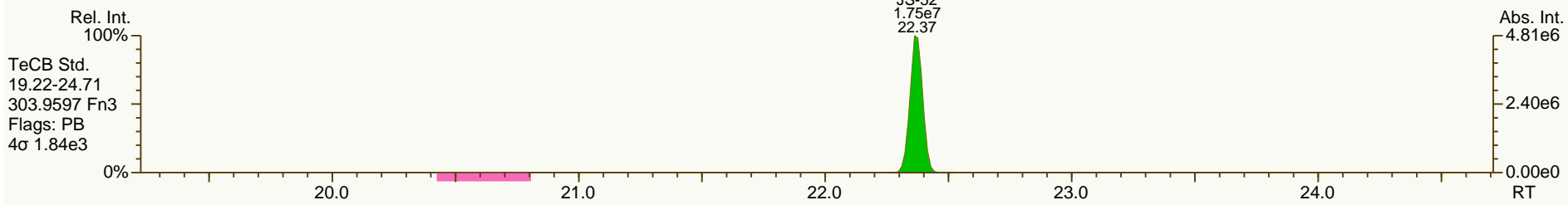
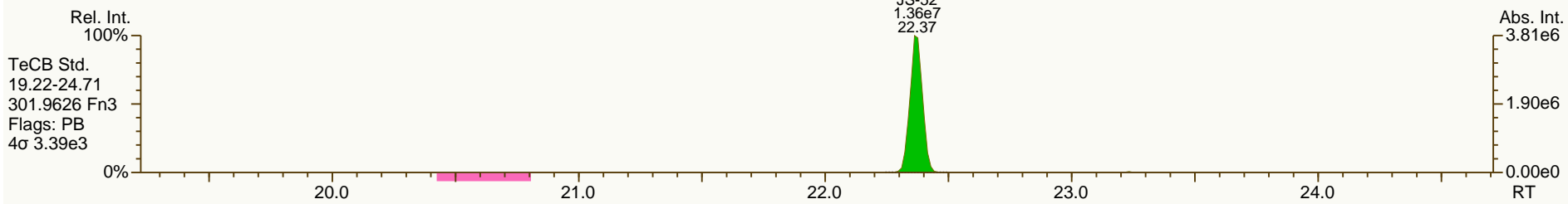
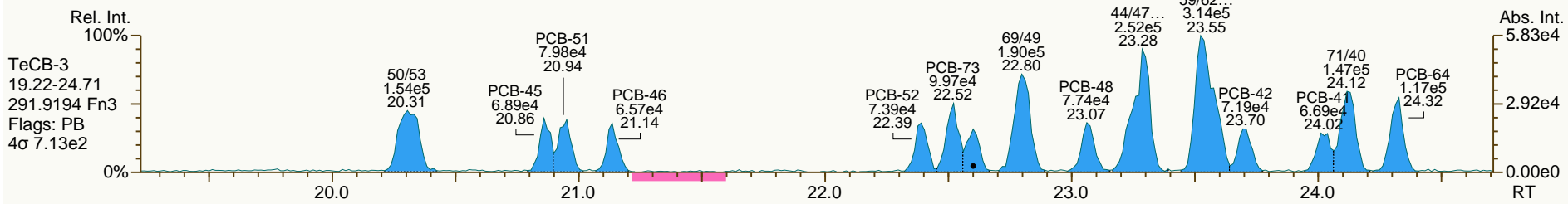
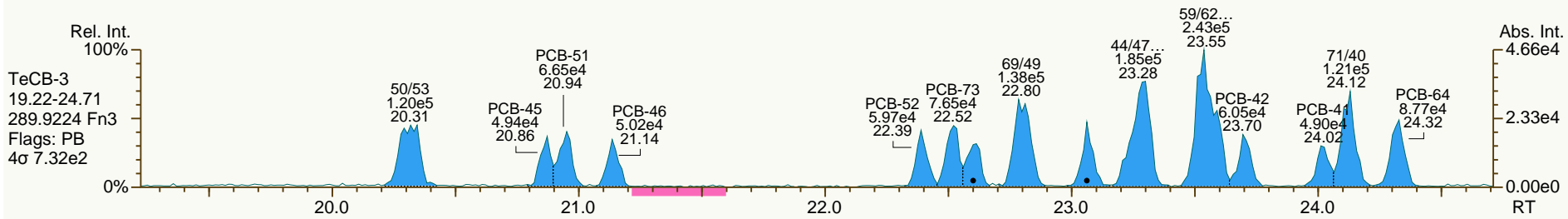
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

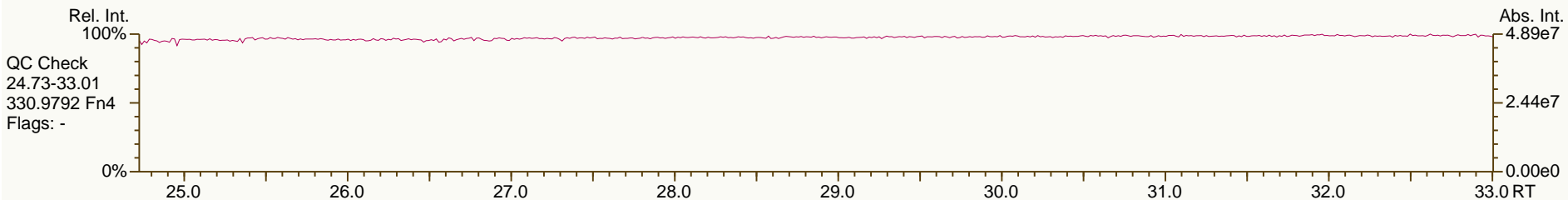
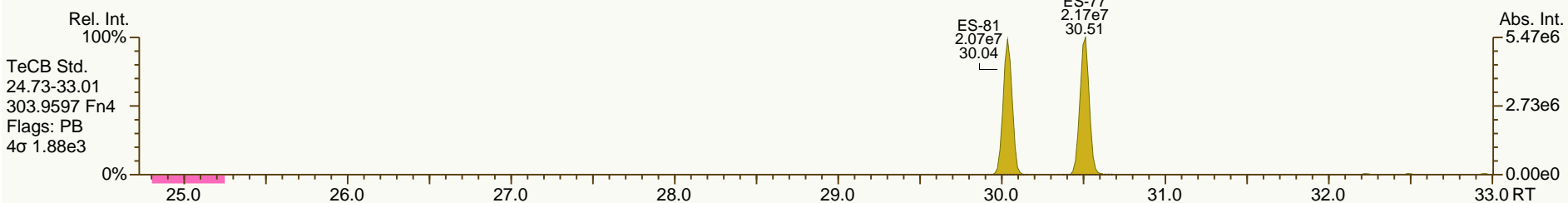
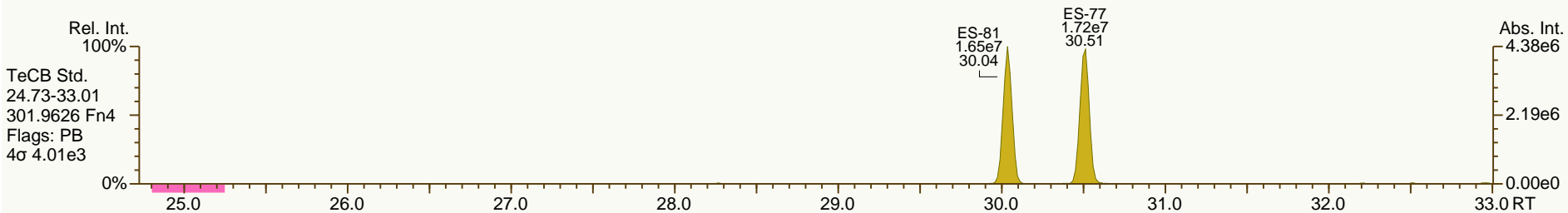
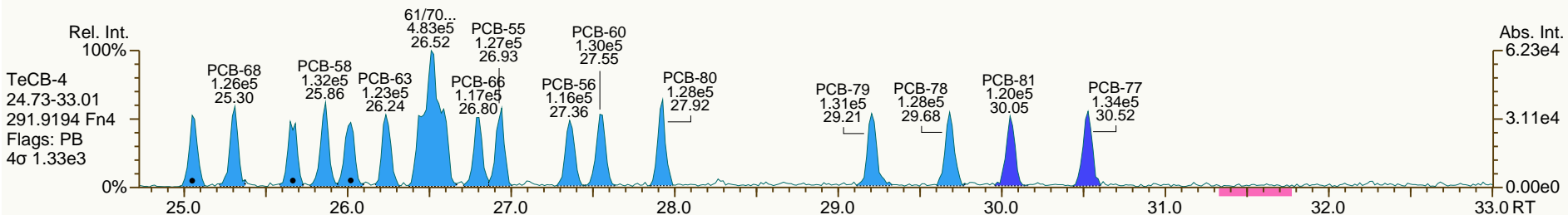
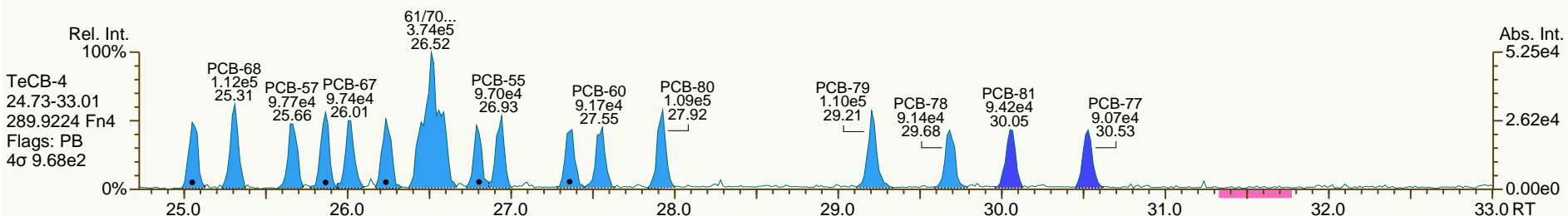
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

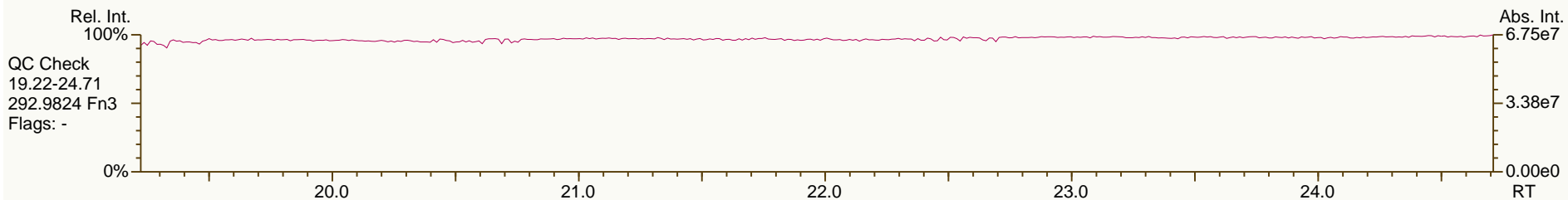
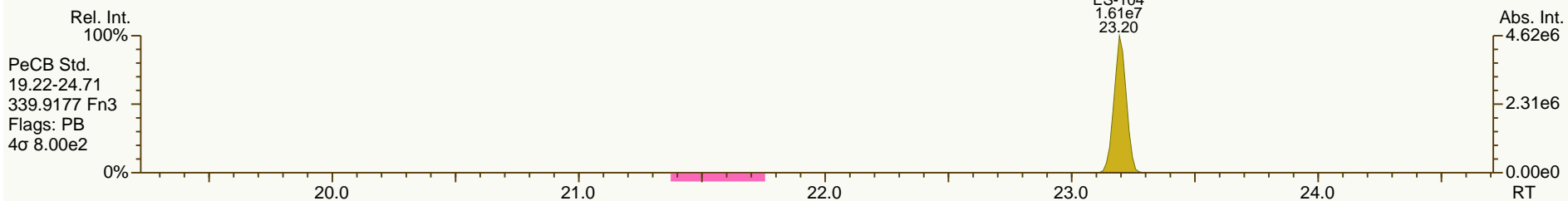
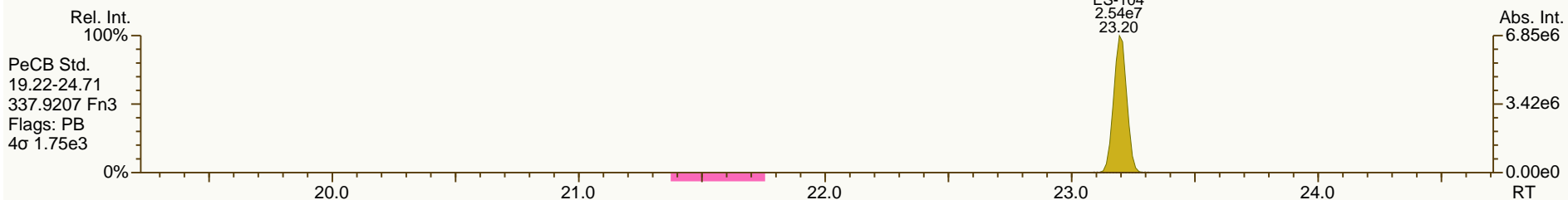
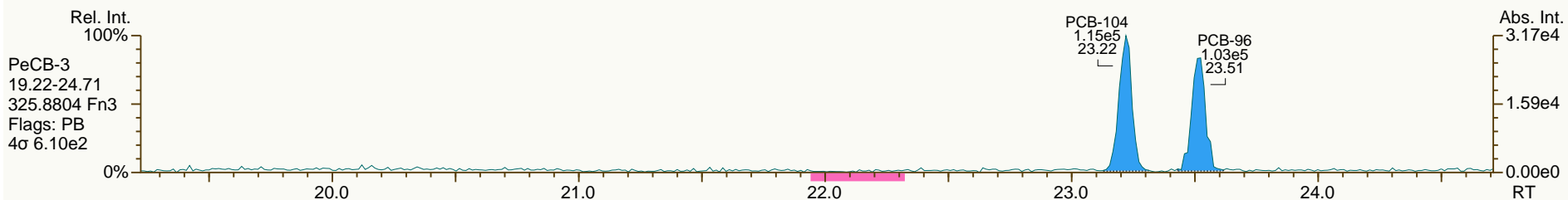
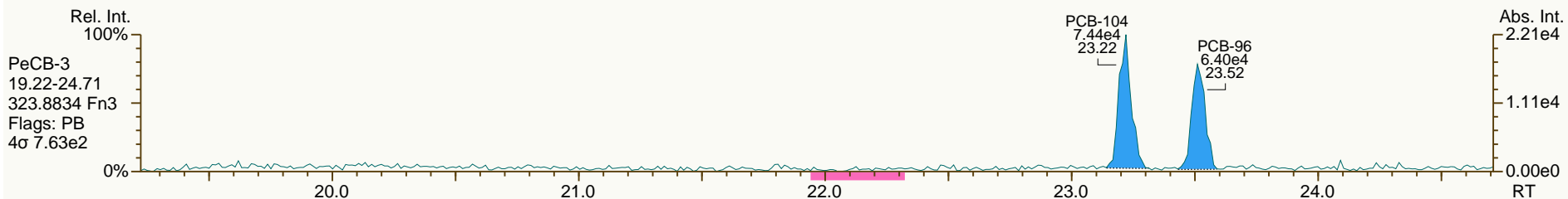
Acq: 26-Jan-2012 16:11:34
User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

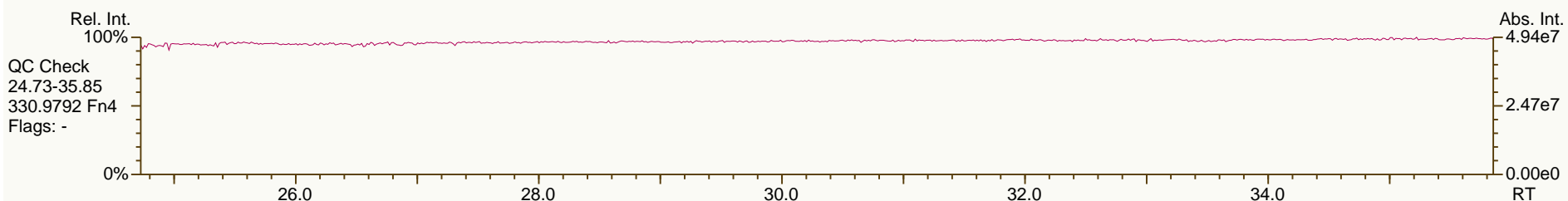
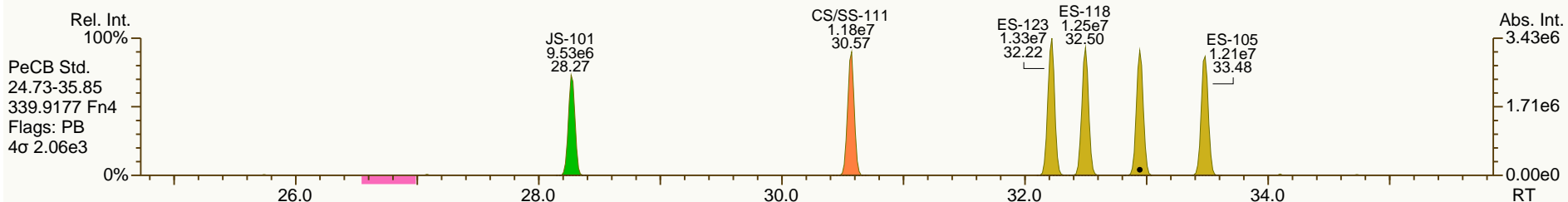
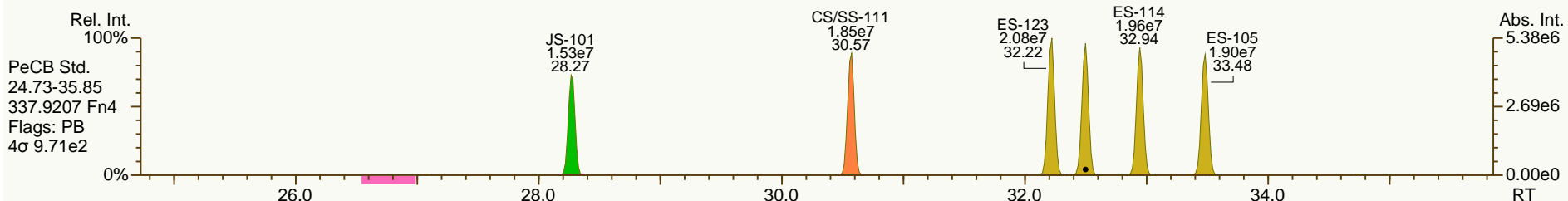
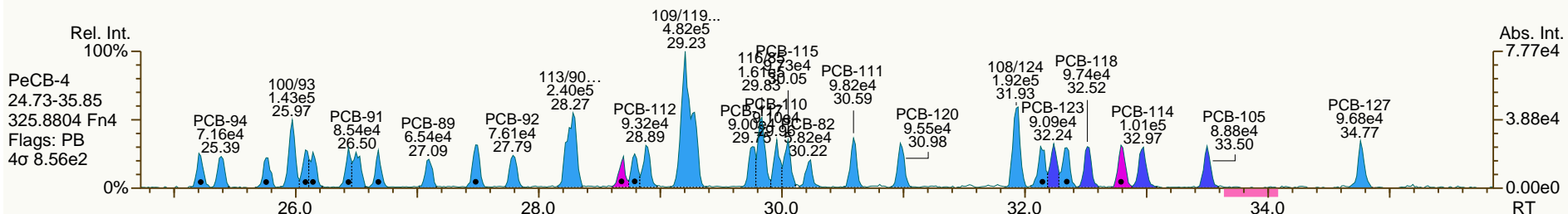
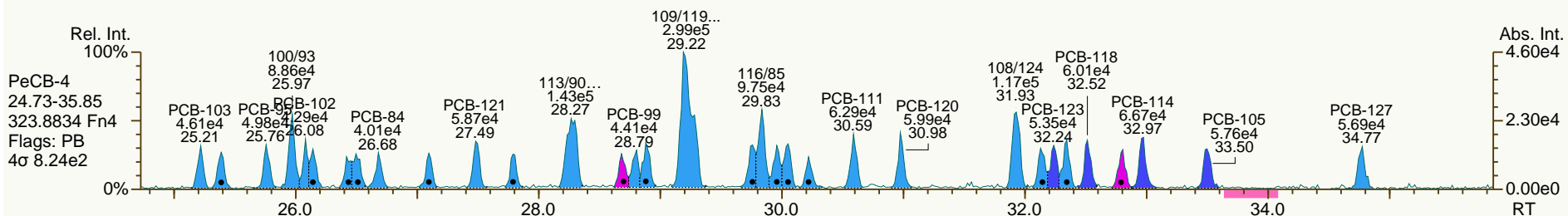
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

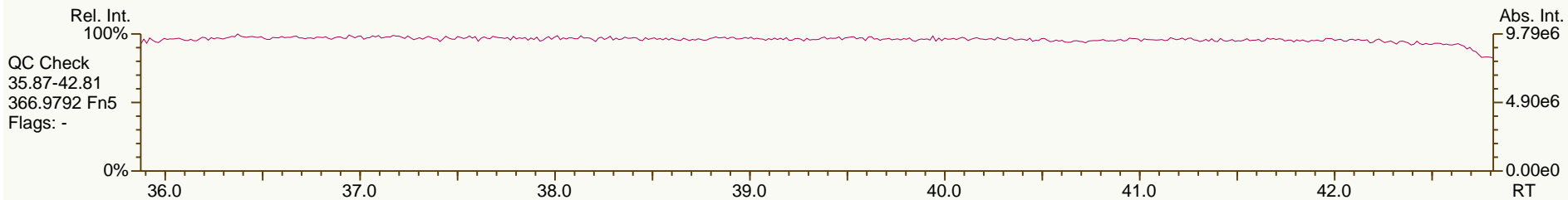
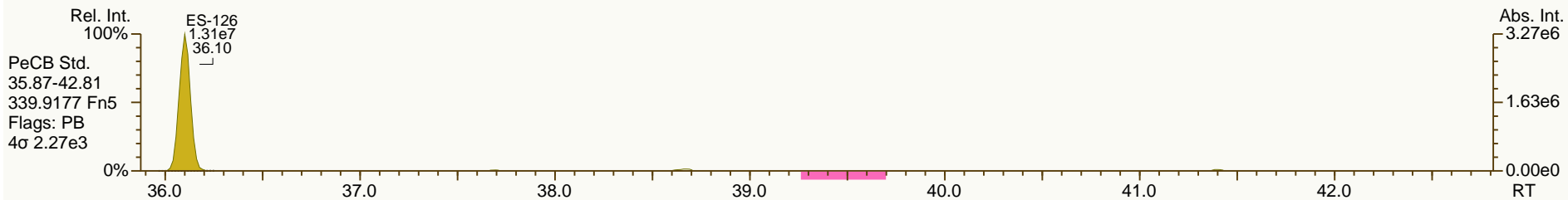
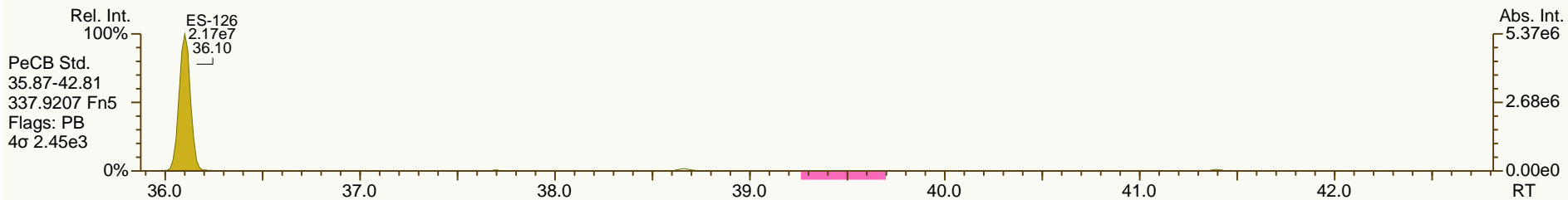
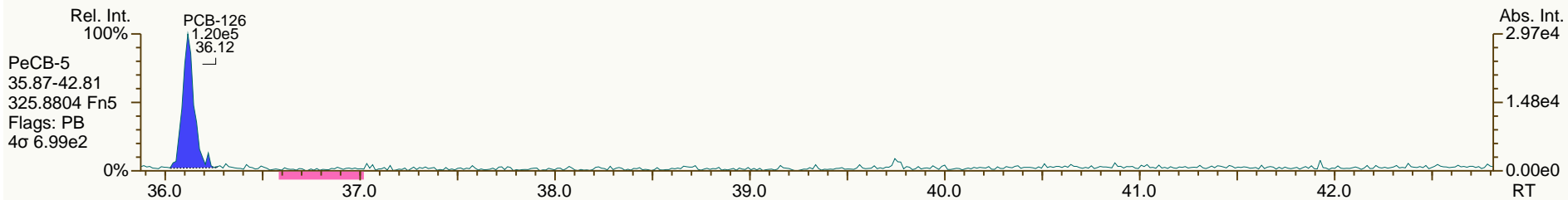
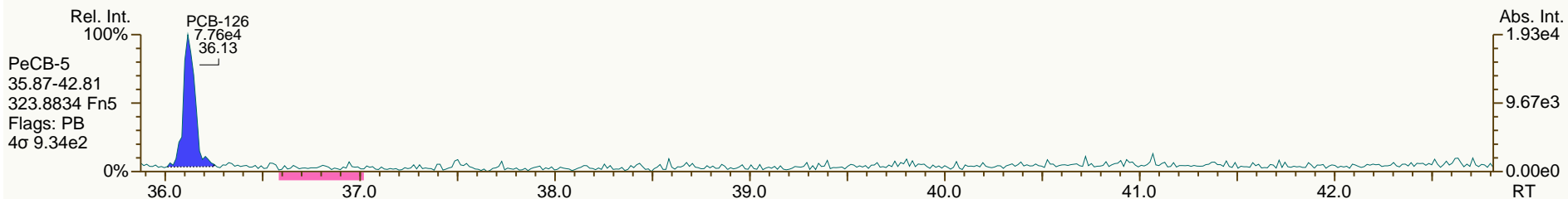
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

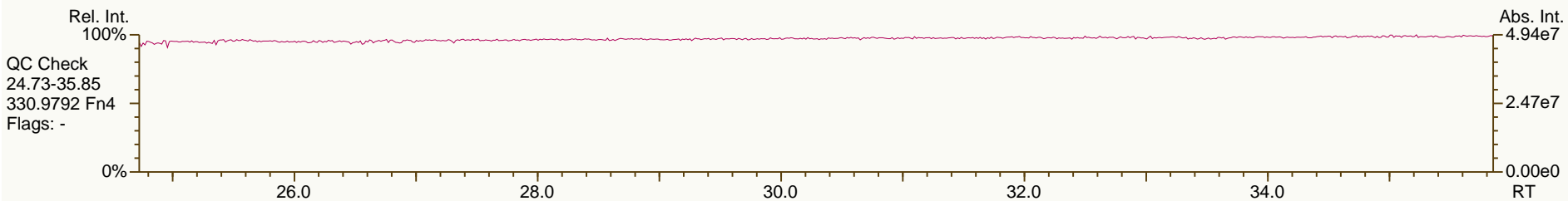
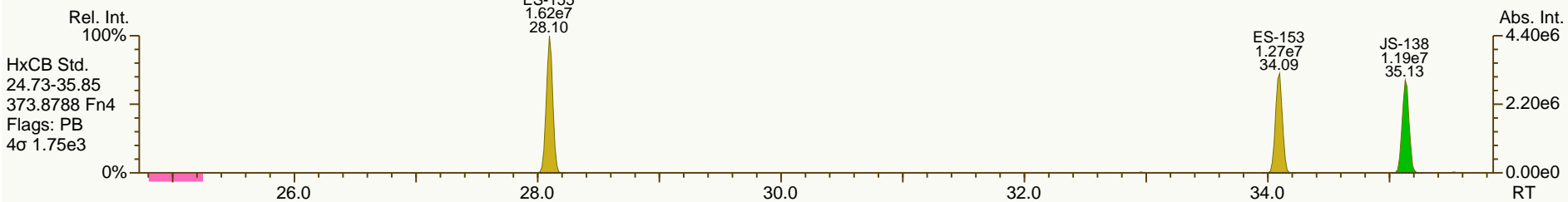
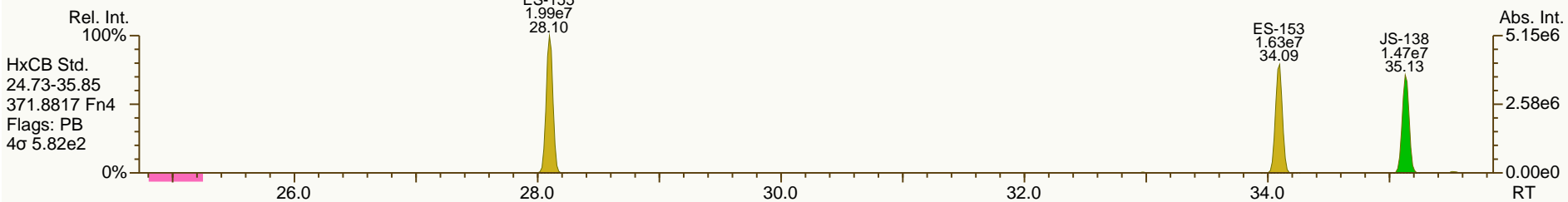
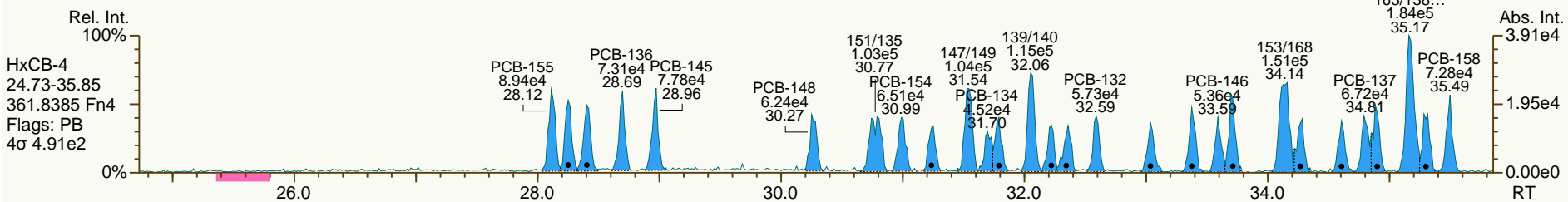
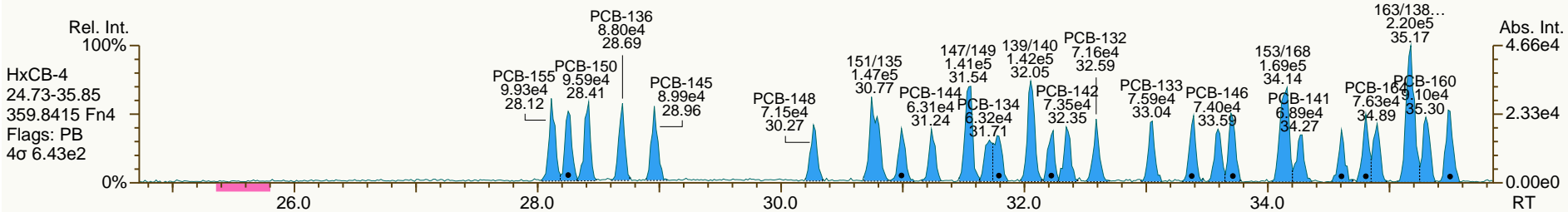
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

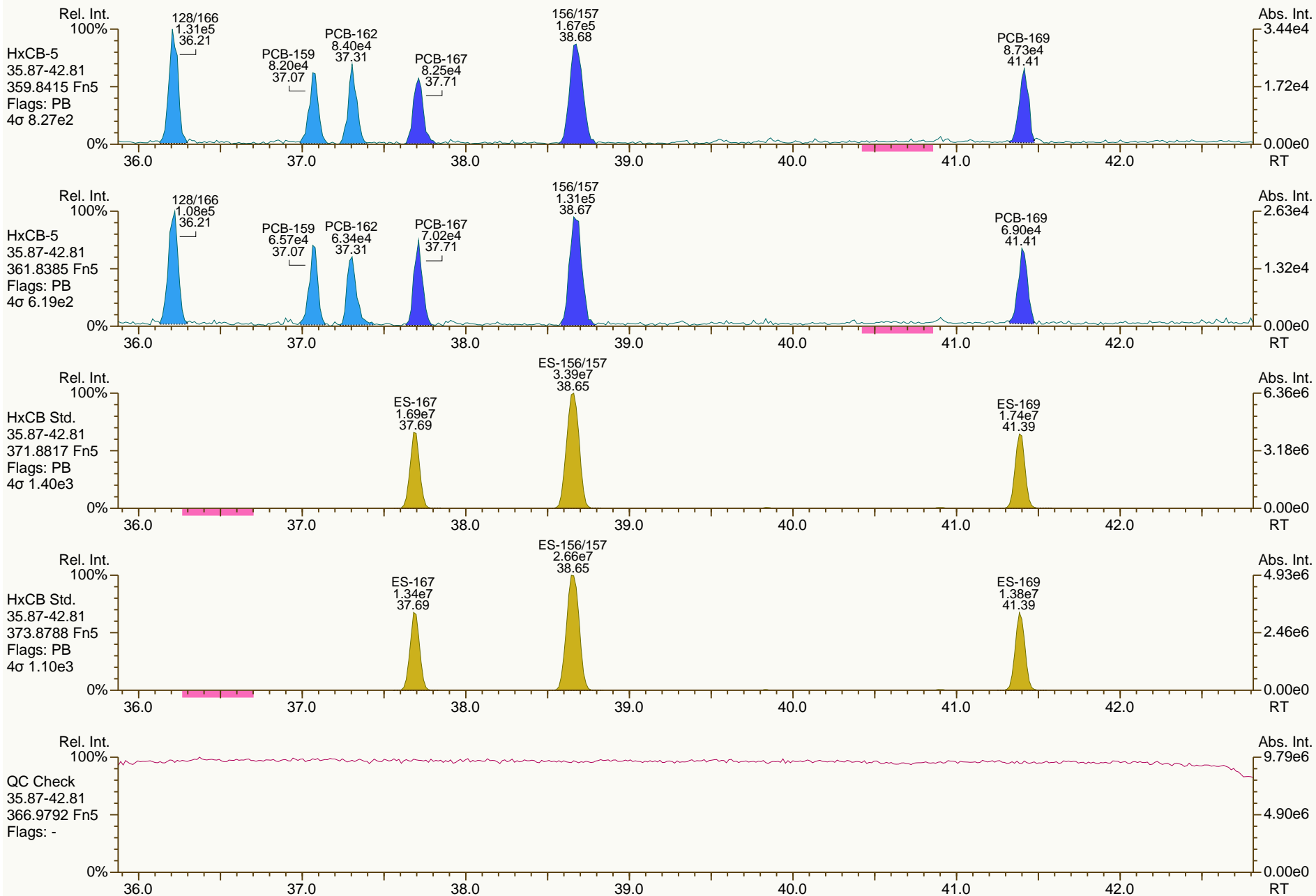
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

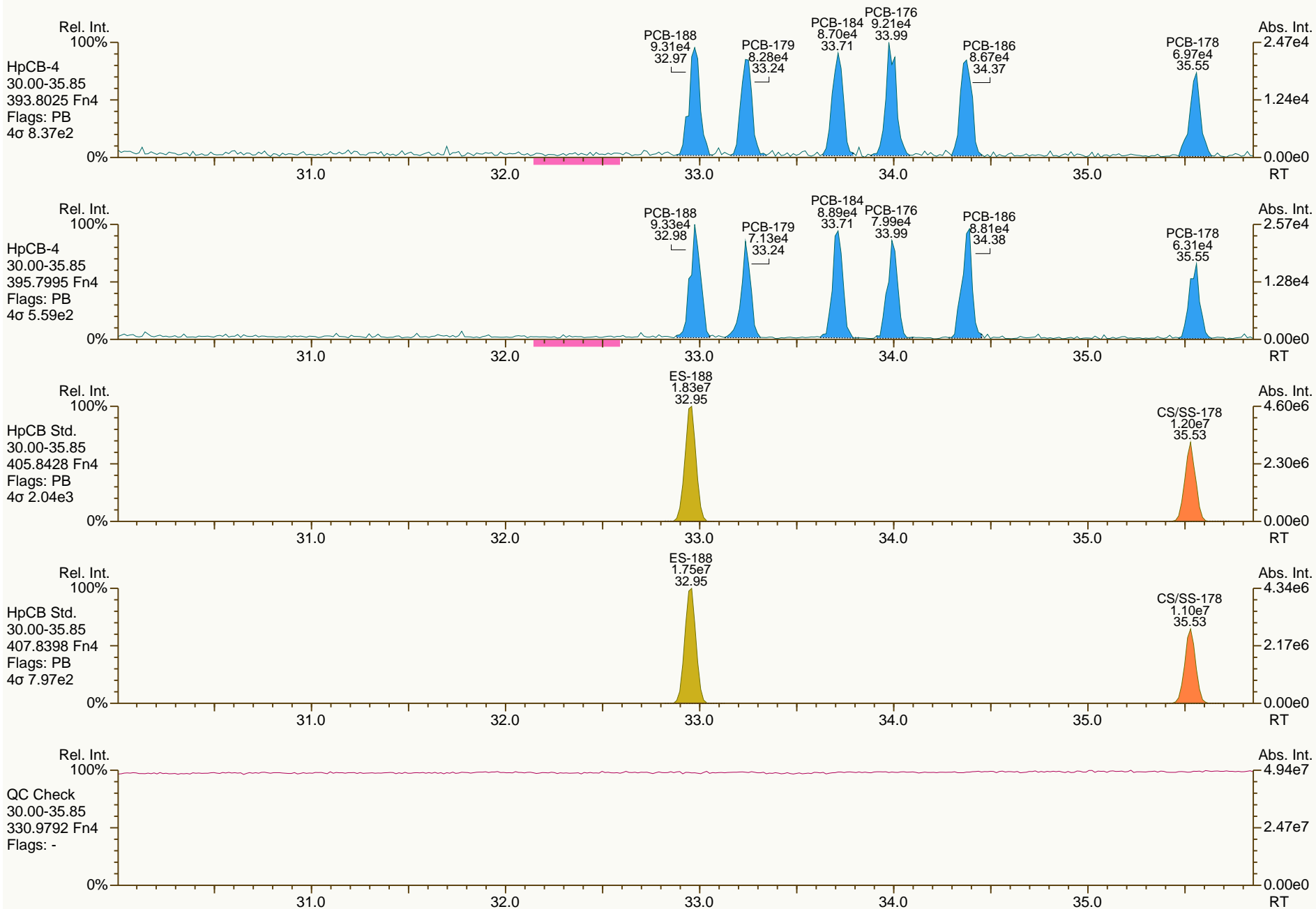
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

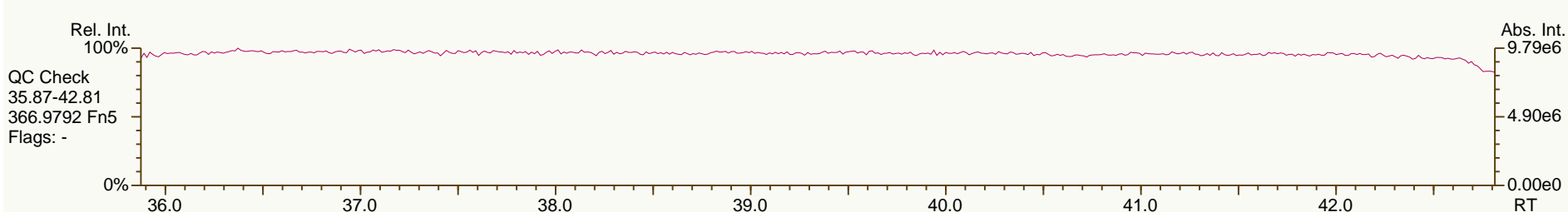
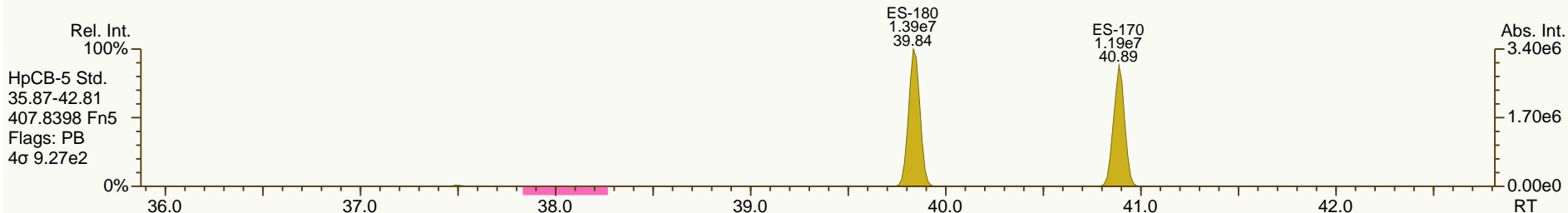
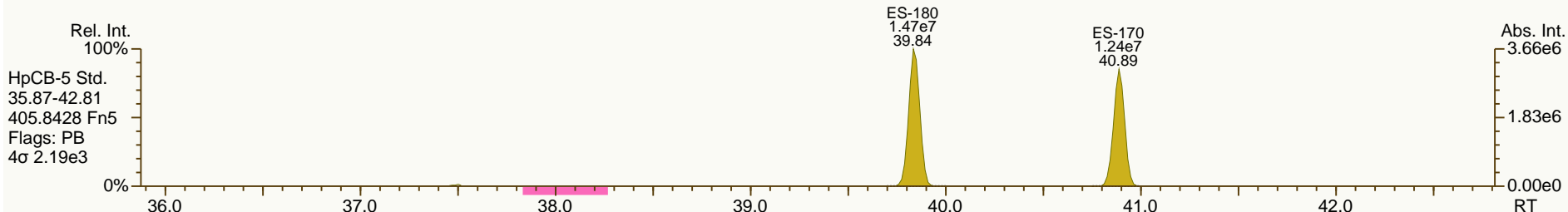
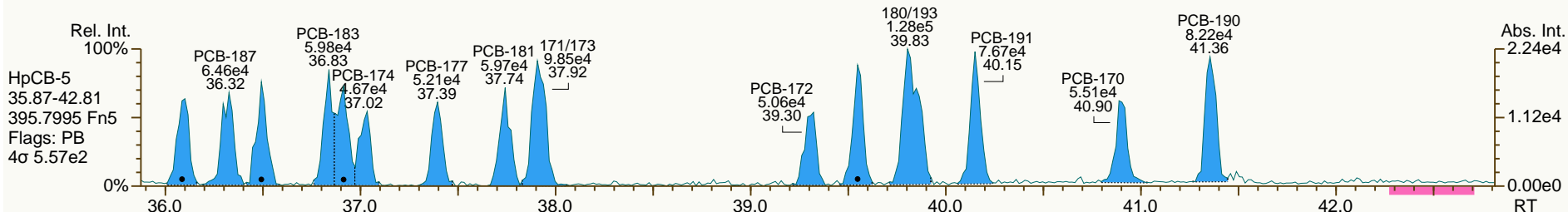
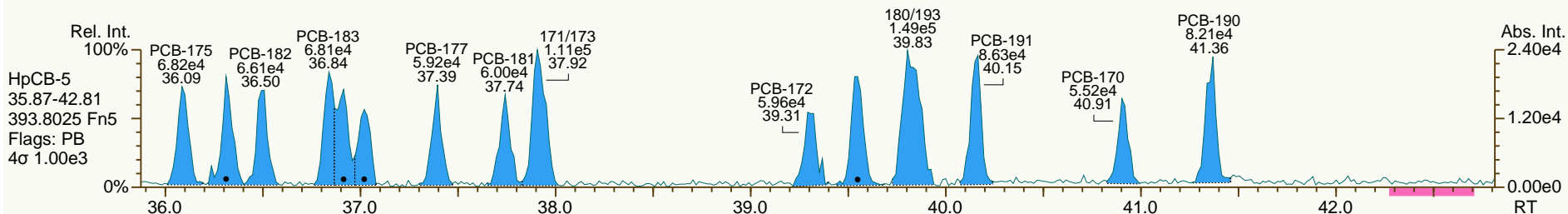
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

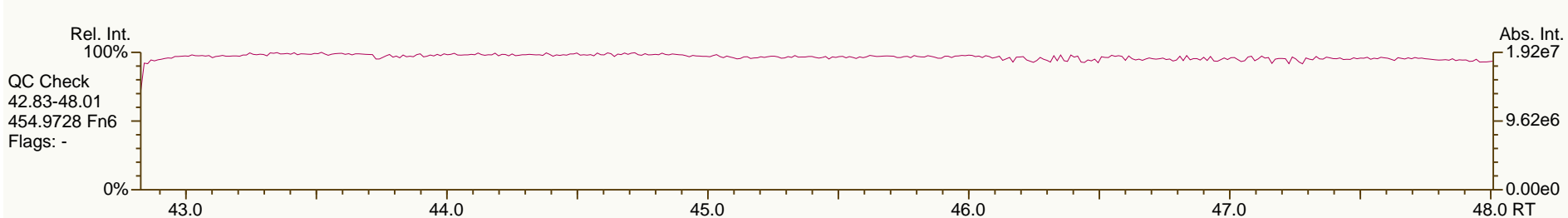
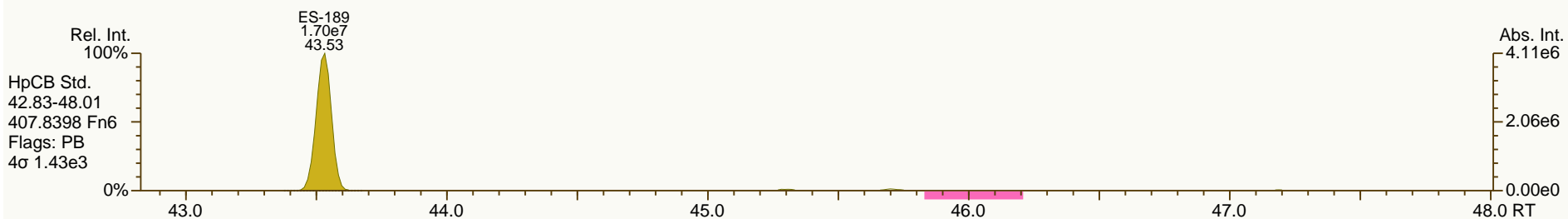
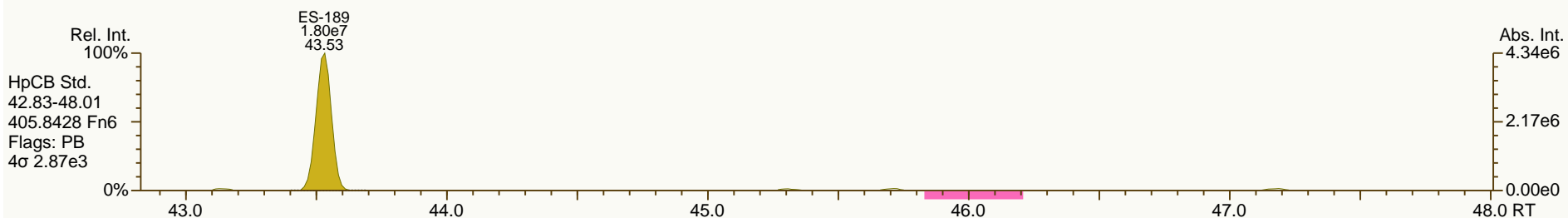
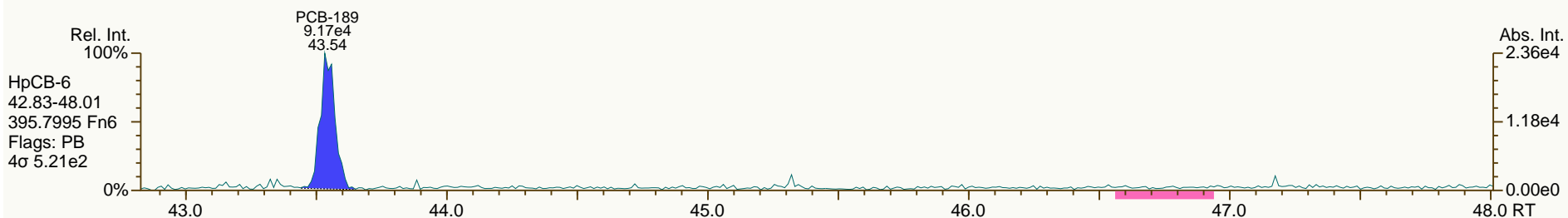
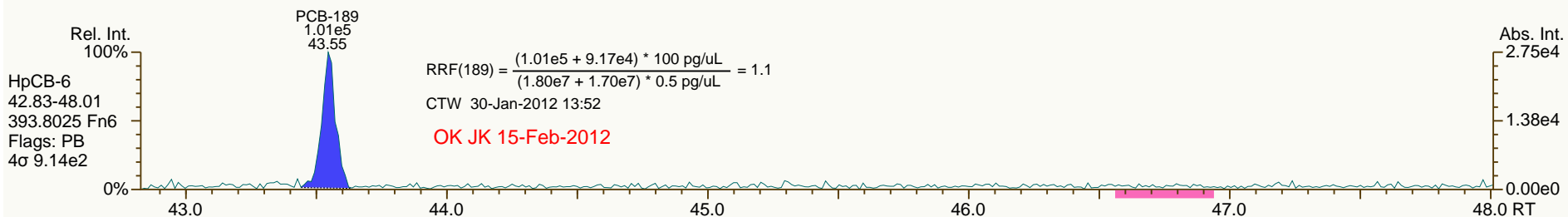
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

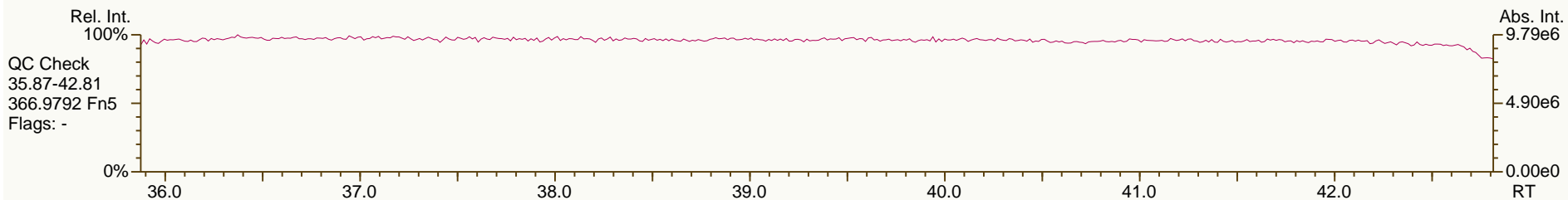
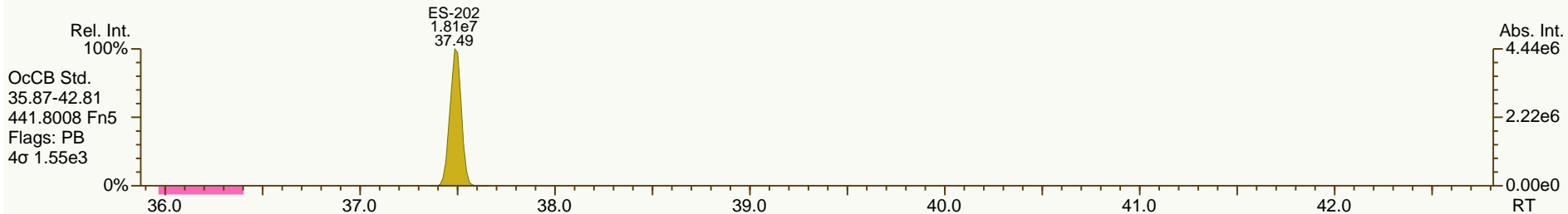
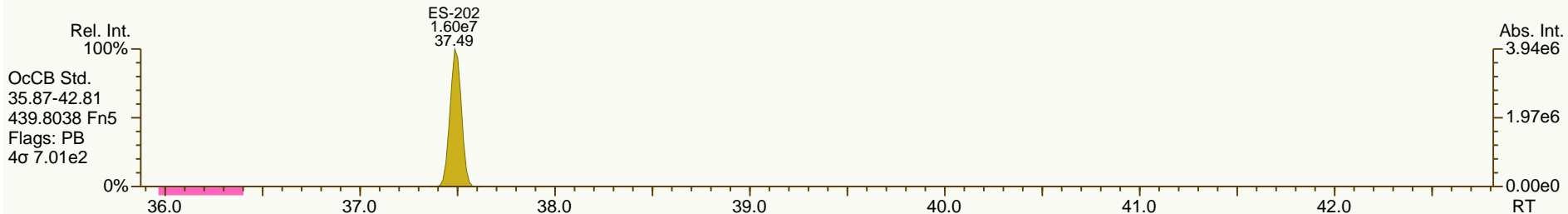
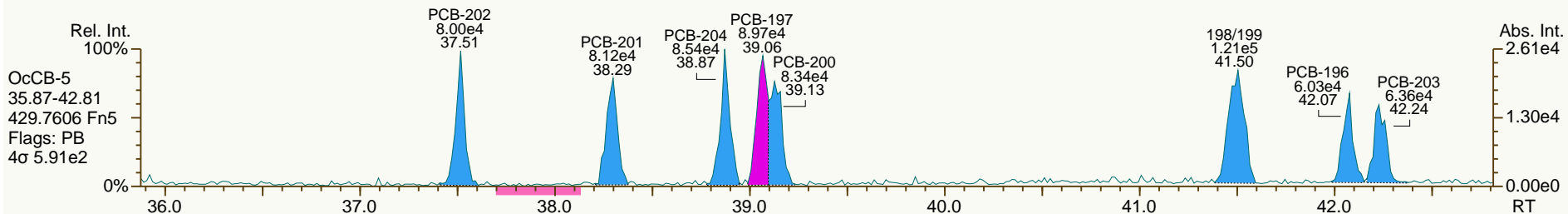
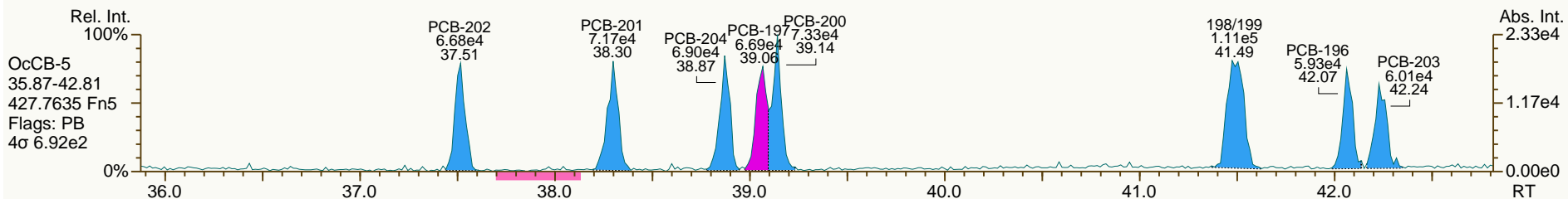
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

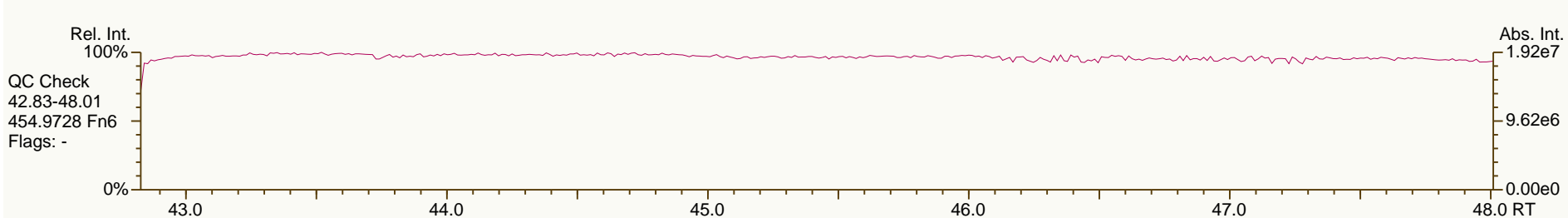
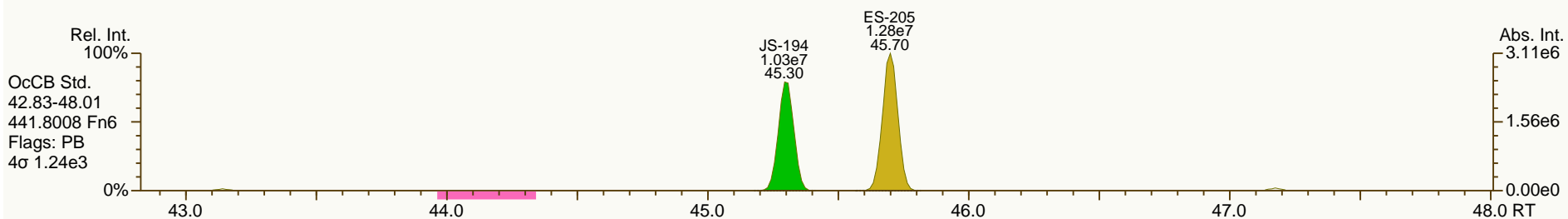
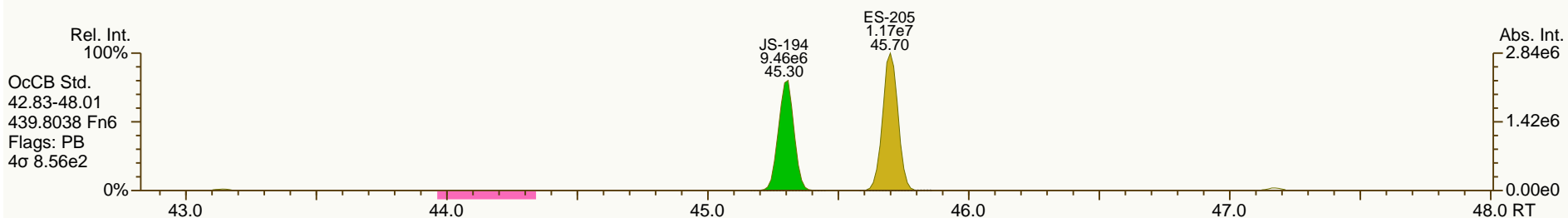
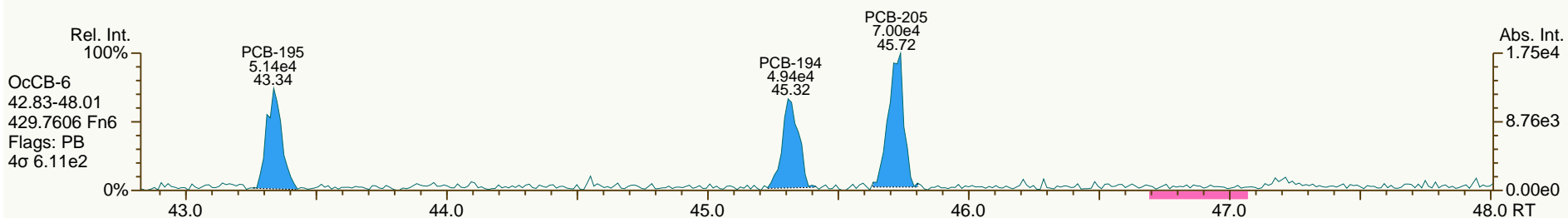
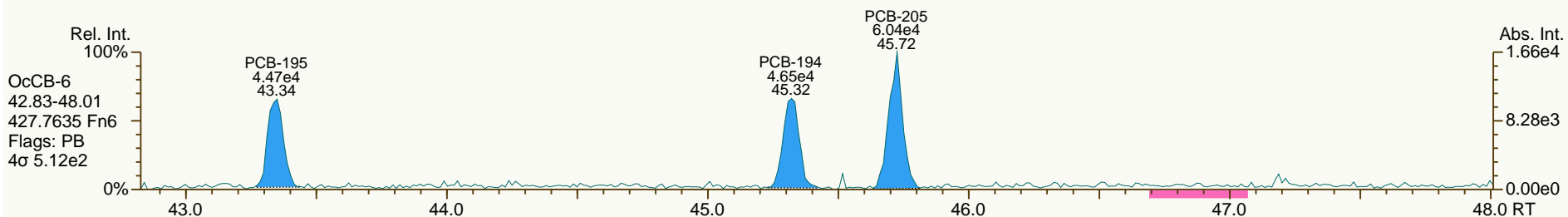
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

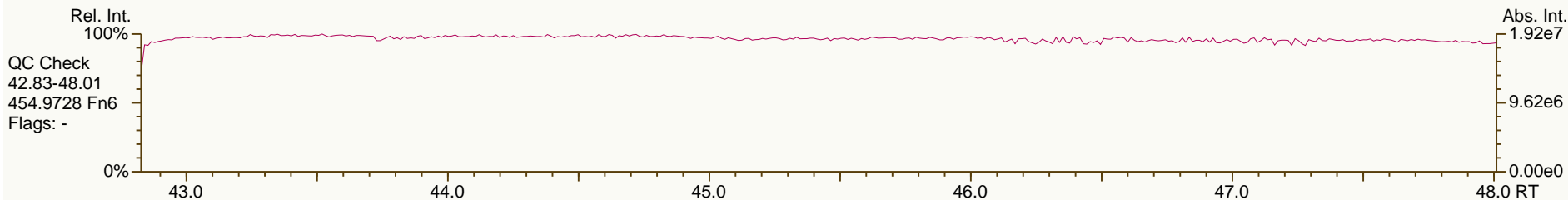
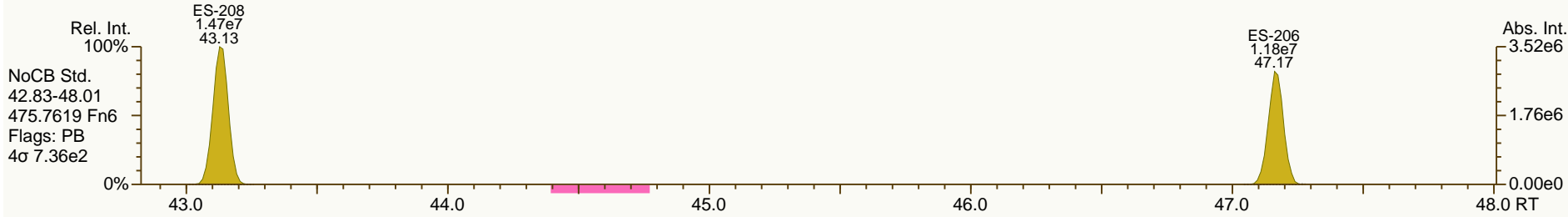
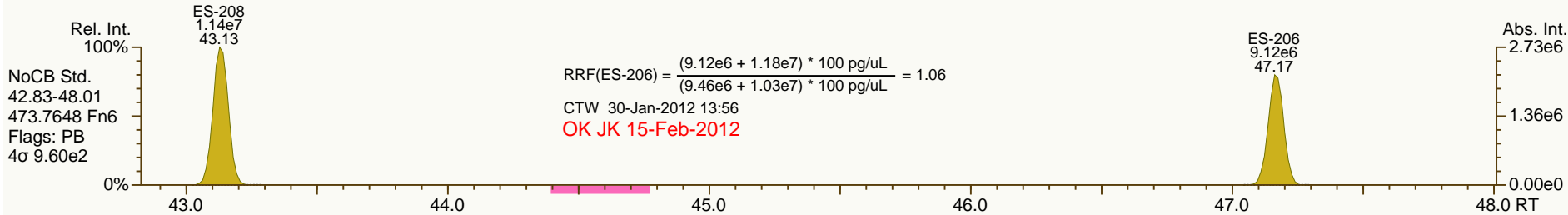
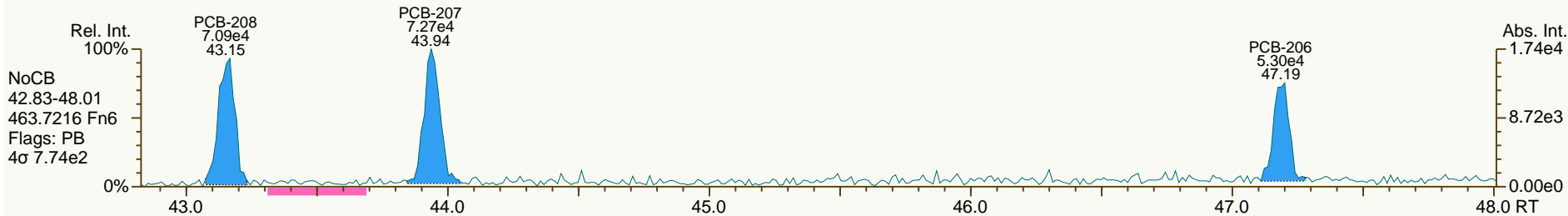
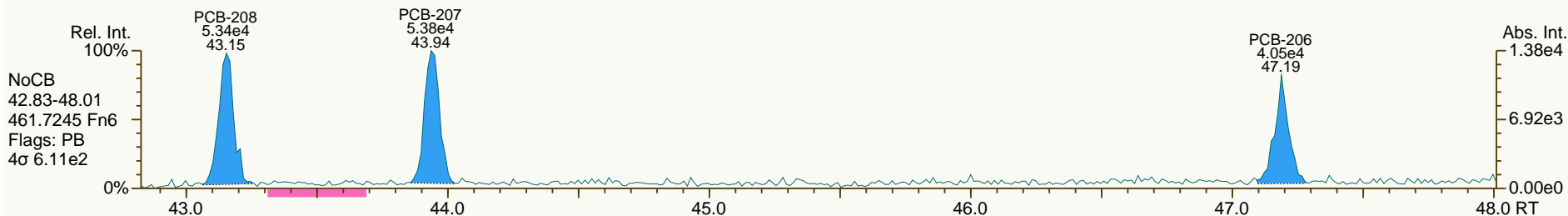
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

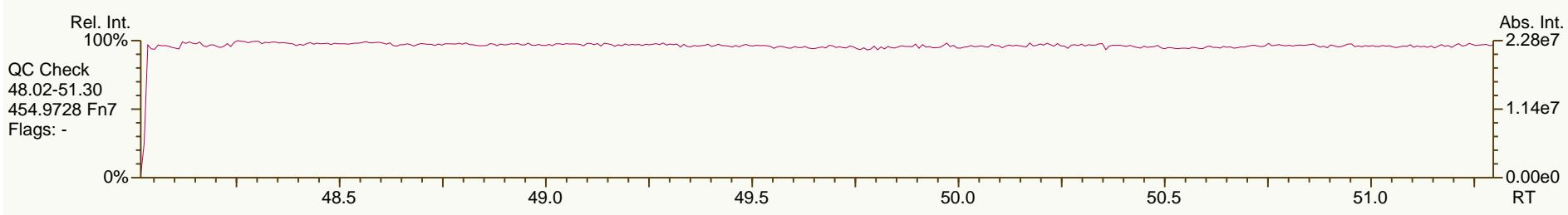
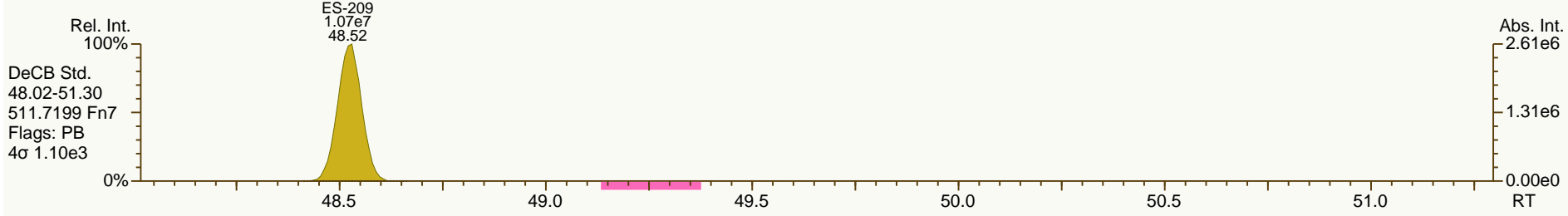
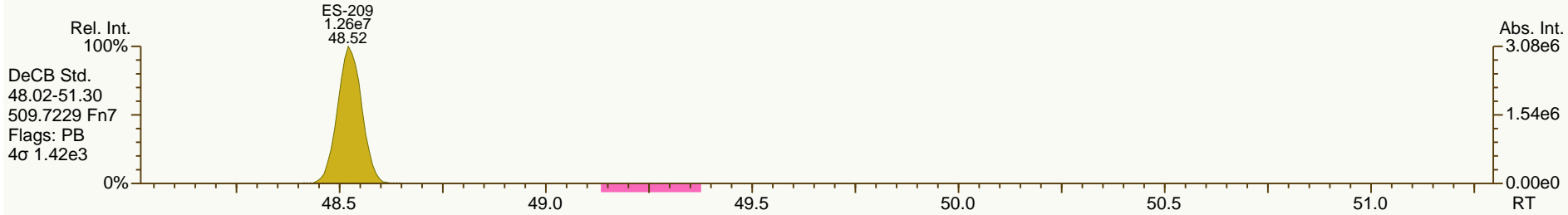
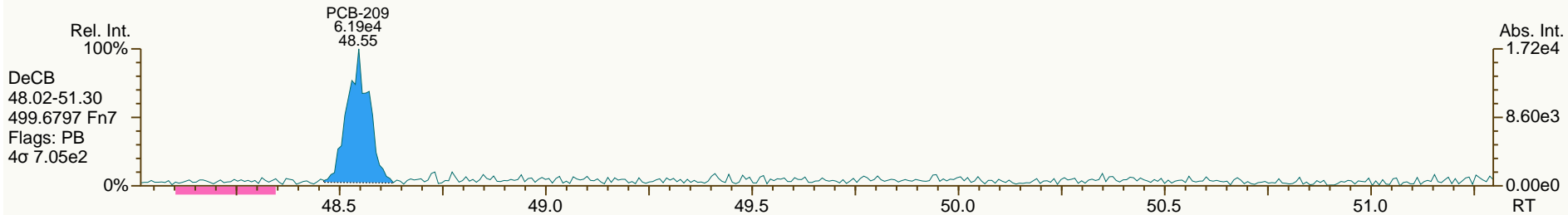
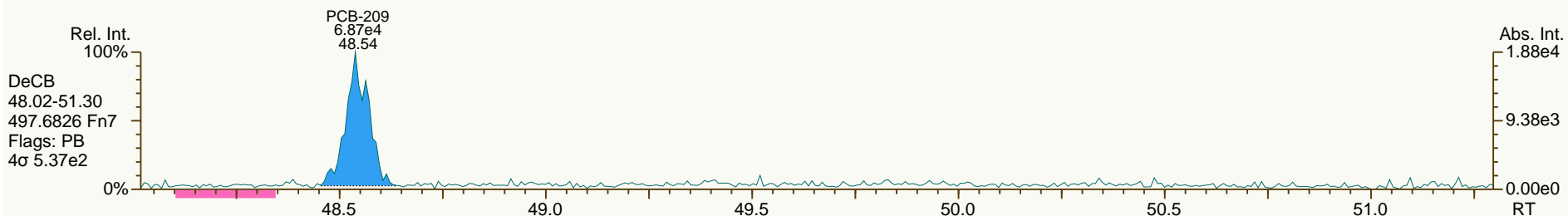
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 17:04							
Datafile:	120126S04							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.52	3.96E+05	0.77 Y	1.22	1.21	-1.6%		
PCB-81 344'5'-TeCB	30.05	3.72E+05	0.72 Y	1.24	1.23	-1.1%		
PCB-105 233'44'-PeCB	33.50	2.55E+05	0.65 Y	1.03	1.01	-1.3%		
PCB-114 2344'5'-PeCB	32.97	2.60E+05	0.69 Y	1.10	1.01	-7.6%		
PCB-118 23'44'5'-PeCB	32.52	2.60E+05	0.65 Y	1.03	0.99	-4.4%		
PCB-123 2'344'5'-PeCB	32.24	2.33E+05	0.64 Y	0.93	0.85	-8.6%		
PCB-126 33'44'5'-PeCB	36.12	3.03E+05	0.64 Y	1.11	1.04	-6.2%		
PCB-156/157 233'44'5'/233'44'5'	38.68	5.10E+05	1.22 Y	1.05	1.02	-2.1%		
PCB-167 23'44'55'-HxCB	37.71	2.53E+05	1.19 Y	1.08	1.01	-7.0%		
PCB-169 33'44'55'-HxCB	41.41	2.52E+05	1.24 Y	1.04	0.99	-5.2%		
PCB-189 233'44'55'-HpCB	43.55	2.84E+05	1.06 Y	1.11	1.00	-9.8%		
PCB-209 DeCB	48.54	1.89E+05	1.22 Y	1.05	1.00	-5.0%		
ES PCB-1	10.49	4.08E+07	3.12 Y	1.01	1.01	-0.5%		
ES PCB-3	12.54	4.21E+07	3.21 Y	1.05	1.04	-1.1%		
ES PCB-4	12.77	2.83E+07	1.56 Y	0.70	0.70	0.2%		
ES PCB-15	18.11	4.74E+07	1.60 Y	1.17	1.17	0.0%		
ES PCB-19	15.61	2.29E+07	1.04 Y	0.57	0.57	-0.1%		
ES PCB-37	24.24	3.61E+07	1.08 Y	1.41	1.44	2.2%		
ES PCB-54	18.36	3.27E+07	0.77 Y	1.32	1.31	-1.0%		
ES PCB-77	30.51	3.28E+07	0.81 Y	1.22	1.31	7.8%		
ES PCB-81	30.03	3.02E+07	0.80 Y	1.15	1.21	5.1%		
ES PCB-104	23.19	3.37E+07	1.51 Y	1.69	1.68	-0.6%		
ES PCB-105	33.48	2.51E+07	1.58 Y	1.21	1.25	3.6%		
ES PCB-114	32.94	2.57E+07	1.60 Y	1.23	1.28	3.6%		
ES PCB-118	32.49	2.63E+07	1.56 Y	1.25	1.31	4.8%		
ES PCB-123	32.21	2.75E+07	1.58 Y	1.33	1.37	3.2%		
ES PCB-126	36.10	2.90E+07	1.61 Y	1.36	1.44	6.4%		
ES PCB-153	34.09	2.37E+07	1.26 Y	1.09	1.08	-0.9%		
ES PCB-155	28.10	3.02E+07	1.24 Y	1.40	1.37	-2.6%		
ES PCB-156/157	38.65	4.99E+07	1.26 Y	1.13	1.13	-0.3%		
ES PCB-167	37.69	2.52E+07	1.24 Y	1.13	1.14	0.9%		
ES PCB-169	41.39	2.54E+07	1.23 Y	1.14	1.15	0.8%		
ES PCB-170	40.89	1.95E+07	1.06 Y	1.23	1.25	1.3%		
ES PCB-180	39.84	2.30E+07	1.09 Y	1.46	1.47	0.4%		
ES PCB-188	32.95	2.91E+07	1.06 Y	1.34	1.32	-1.6%		
ES PCB-189	43.53	2.83E+07	1.05 Y	1.77	1.81	2.4%		
ES PCB-202	37.49	2.80E+07	0.92 Y	1.27	1.27	-0.2%		
ES PCB-205	45.70	2.00E+07	0.88 Y	1.25	1.27	2.0%		
ES PCB-206	47.17	1.67E+07	0.80 Y	1.07	1.06	-0.3%		
ES PCB-208	43.13	2.11E+07	0.78 Y	1.34	1.35	0.7%		
ES PCB-209	48.53	1.89E+07	1.19 Y	1.18	1.21	2.0%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	3.42E+07	1.08 Y	0.98	0.95	-3.3%	
SS PCB-111	30.57	2.43E+07	1.55 Y	0.90	0.88	-1.5%	
SS PCB-178	35.53	1.93E+07	1.08 Y	0.65	0.66	2.4%	
CS PCB-28	20.78	3.42E+07	1.08 Y	1.39	1.37	-1.1%	
CS PCB-111	30.57	2.43E+07	1.55 Y	1.19	1.21	1.7%	
CS PCB-178	35.53	1.93E+07	1.08 Y	0.87	0.88	0.9%	
JS PCB-9	14.60	4.04E+07	1.61 Y	-	-	-	
JS PCB-52	22.37	2.50E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	2.01E+07	1.57 Y	-	-	-	
JS PCB-138	35.13	2.21E+07	1.32 Y	-	-	-	
JS PCB-194	45.30	1.57E+07	0.89 Y	-	-	-	
PCB-1 2-MoCB	10.50	4.84E+05	3.24 Y	1.20	1.19	-1.0%	
PCB-3 4-MoCB	12.56	4.64E+05	3.04 Y	1.13	1.10	-2.6%	
PCB-4 22'-DiCB	12.78	2.44E+05	0.00 S	0.94	0.86	-8.6%	
PCB-15 44'-DiCB	18.12	4.44E+05	0.00 S	1.01	0.94	-6.8%	
PCB-19 22'6'-TrCB	15.63	2.33E+05	1.18 Y	1.01	1.02	0.5%	
PCB-37 344'-TrCB	24.26	4.17E+05	1.16 Y	1.20	1.16	-3.4%	
PCB-54 22'66'-TeCB	18.38	2.93E+05	0.76 Y	0.93	0.90	-3.9%	
PCB-104 22'466'-PeCB	23.21	2.94E+05	0.67 Y	0.92	0.87	-4.8%	
PCB-153 22'44'55' -HxCB	34.13	5.36E+05	1.28 Y	1.15	1.13	-1.6%	
PCB-155 22'44'66'-HxCB	28.12	3.01E+05	1.22 Y	1.06	1.00	-5.6%	
PCB-170 22'33'44'5'-HpCB	40.91	1.90E+05	1.02 Y	1.00	0.97	-2.9%	
PCB-180 22'344'55'-HpCB	39.83	4.39E+05	0.94 Y	1.01	0.95	-6.0%	
PCB-188 22'34'566'-HpCB	32.97	2.94E+05	0.98 Y	1.07	1.01	-5.2%	
PCB-202 22'33'55'66'-OcCB	37.51	2.11E+05	0.90 Y	0.83	0.75	-8.7%	
PCB-205 233'44'55'6'-OcCB	45.72	2.15E+05	0.98 Y	1.09	1.08	-1.4%	
PCB-208 22'33'455'66'-NoCB	43.15	2.02E+05	0.82 Y	0.98	0.96	-2.1%	
PCB-206 22'33'44'55'6'-NoCB	47.19	1.50E+05	0.81 Y	0.93	0.90	-3.4%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	4.84E+05	3.24 Y	1.20	1.19	-1.0%	
PCB-2 3-MoCB	12.39	4.59E+05	3.08 Y	1.13	1.09	-3.7%	
PCB-3 4-MoCB	12.56	4.64E+05	3.04 Y	1.13	1.10	-2.6%	
PCB-4 22'-DiCB	12.78	2.44E+05	0.00 S	0.94	0.86	-8.6%	
PCB-10 26-DiCB	12.95	3.73E+05	0.00 S	1.43	1.32	-7.9%	
PCB-9 25-DiCB	14.62	3.84E+05	0.00 S	0.87	0.81	-6.6%	
PCB-7 24-DiCB	14.77	4.66E+05	0.00 S	1.00	0.98	-2.1%	
PCB-6 23'-DiCB	14.98	4.16E+05	0.00 S	0.94	0.88	-6.4%	
PCB-5 23-DiCB	15.25	4.21E+05	0.00 S	0.92	0.89	-3.6%	
PCB-8 24'-DiCB	15.37	4.27E+05	0.00 S	0.95	0.90	-5.2%	
PCB-14 35-DiCB	16.84	4.94E+05	0.00 S	1.09	1.04	-4.8%	
PCB-11 33'-DiCB	17.58	4.36E+05	0.00 S	0.98	0.92	-5.7%	
PCB-13/12 34'-/34-DiCB	17.85	8.58E+05	0.00 S	0.97	0.91	-6.7%	
PCB-15 44'-DiCB	18.12	4.44E+05	0.00 S	1.01	0.94	-6.8%	
PCB-19 22'6-TrCB	15.63	2.33E+05	1.18 Y	1.01	1.02	0.5%	
PCB-30/18 246-/22'5-TrCB	17.30	5.51E+05	1.05 Y	1.29	1.20	-7.0%	
PCB-17 22'4-TrCB	17.68	2.45E+05	1.02 Y	1.14	1.07	-5.9%	
PCB-27 23'6-TrCB	17.86	3.21E+05	1.15 Y	1.48	1.40	-5.5%	
PCB-24 236-TrCB	17.99	3.28E+05	1.08 Y	1.43	1.43	-0.1%	
PCB-16 22'3-TrCB	18.07	1.95E+05	1.07 Y	0.89	0.85	-4.9%	
PCB-32 24'6-TrCB	18.54	3.42E+05	0.99 Y	1.56	1.49	-4.2%	
PCB-34 2'35-TrCB	19.66	4.03E+05	1.08 Y	1.18	1.12	-5.2%	
PCB-23 235-TrCB	19.80	4.03E+05	1.09 Y	1.19	1.12	-5.6%	
PCB-26/29 23'5-/245-TrCB	20.08	8.20E+05	1.12 Y	1.20	1.14	-5.2%	
PCB-25 23'4-TrCB	20.27	4.13E+05	1.05 Y	1.19	1.14	-4.0%	
PCB-31 24'5-TrCB	20.54	4.01E+05	1.02 Y	1.23	1.11	-9.3%	
PCB-28/20 244'-/233'-TrCB	20.81	7.68E+05	1.12 Y	1.18	1.06	-9.7%	
PCB-21/33 234-/2'34-TrCB	20.97	7.97E+05	1.06 Y	1.21	1.11	-9.0%	
PCB-22 234'-TrCB	21.34	3.80E+05	1.08 Y	1.11	1.05	-5.4%	
PCB-36 33'5-TrCB	22.71	4.19E+05	1.11 Y	1.21	1.16	-4.1%	
PCB-39 34'5-TrCB	23.02	4.87E+05	1.06 Y	1.32	1.35	2.6%	
PCB-38 345-TrCB	23.52	4.06E+05	1.11 Y	1.15	1.13	-2.4%	
PCB-35 33'4-TrCB	23.91	3.96E+05	1.04 Y	1.13	1.10	-3.2%	
PCB-37 344'-TrCB	24.26	4.17E+05	1.16 Y	1.20	1.16	-3.4%	
PCB-54 22'66'-TeCB	18.38	2.93E+05	0.76 Y	0.93	0.90	-3.9%	
PCB-50/53 22'46-/22'56'TeCB	20.31	4.49E+05	0.80 Y	0.83	0.74	-10.8%	
PCB-45 22'36'-TeCB	20.86	1.88E+05	0.86 Y	0.71	0.62	-11.9%	
PCB-51 22'46'-TeCB	20.94	2.36E+05	0.81 Y	0.88	0.78	-11.0%	
PCB-46 22'36'-TeCB	21.13	1.93E+05	0.80 Y	0.69	0.64	-8.4%	
PCB-52 22'55'-TeCB	22.39	2.25E+05	0.76 Y	0.80	0.74	-7.4%	
PCB-73 23'5'6TeCB	22.52	2.86E+05	0.69 Y	1.03	0.95	-8.5%	
PCB-43 22'35'-TeCB	22.60	2.01E+05	0.78 Y	0.71	0.66	-6.0%	
PCB-69/49 23'46-/22'45'TeCB	22.80	5.31E+05	0.81 Y	0.96	0.88	-8.5%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.06	2.50E+05	0.84 Y	0.84	0.83	-1.1%	
PCB-44/47/65 22'35'-/22'44'-	23.27	7.40E+05	0.78 Y	0.86	0.82	-5.0%	
PCB-59/62/75 233'6'-/2346-/24	23.54	9.35E+05	0.73 Y	1.09	1.03	-5.6%	
PCB-42 22'34'-TeCB	23.70	2.20E+05	0.70 Y	0.77	0.73	-5.2%	
PCB-41 22'34'-TeCB	24.02	2.16E+05	0.78 Y	0.73	0.71	-1.5%	
PCB-71/40 23'4'6/22'33'-TeCB	24.12	4.69E+05	0.79 Y	0.81	0.78	-4.6%	
PCB-64 234'6'-TeCB	24.32	3.34E+05	0.79 Y	1.17	1.11	-5.2%	
PCB-72 23'55'-TeCB	25.05	3.52E+05	0.84 Y	1.25	1.16	-7.1%	
PCB-68 23'45'-TeCB	25.30	4.10E+05	0.76 Y	1.36	1.35	-0.6%	
PCB-57 233'5'-TeCB	25.66	3.53E+05	0.77 Y	1.22	1.17	-4.6%	
PCB-58 233'5'-TeCB	25.86	3.58E+05	0.86 Y	1.26	1.18	-5.8%	
PCB-67 23'45'-TeCB	26.01	3.80E+05	0.78 Y	1.27	1.26	-1.4%	
PCB-63 234'5'-TeCB	26.24	3.89E+05	0.80 Y	1.34	1.29	-3.7%	
PCB-61/70/74/76 2345-/23'4'5	26.51	1.40E+06	0.82 Y	1.24	1.16	-6.7%	
PCB-66 23'44'-TeCB	26.80	3.53E+05	0.77 Y	1.19	1.17	-1.8%	
PCB-55 233'4'-TeCB	26.93	3.52E+05	0.78 Y	1.22	1.16	-4.4%	
PCB-56 233'4'-TeCB	27.36	3.42E+05	0.79 Y	1.18	1.13	-3.9%	
PCB-60 2344'-TeCB	27.55	3.47E+05	0.66 Y	1.24	1.15	-7.2%	
PCB-80 33'55'-TeCB	27.92	4.01E+05	0.77 Y	1.37	1.32	-3.5%	
PCB-79 33'45'-TeCB	29.21	3.81E+05	0.76 Y	1.37	1.26	-7.9%	
PCB-78 33'45'-TeCB	29.68	3.48E+05	0.70 Y	1.19	1.15	-3.6%	
PCB-104 22'466'-PeCB	23.21	2.94E+05	0.67 Y	0.92	0.87	-4.8%	
PCB-96 22'366'-PeCB	23.51	2.59E+05	0.56 Y	0.81	0.77	-5.2%	
PCB-103 22'45'6'-PeCB	25.21	1.97E+05	0.64 Y	0.78	0.71	-7.9%	
PCB-94 22'356'-PeCB	25.38	1.89E+05	0.63 Y	0.71	0.69	-3.6%	
PCB-95 22'35'6'-PeCB	25.76	1.93E+05	0.64 Y	0.74	0.70	-5.4%	
PCB-100/93 22'44'6-/22'356-P	25.97	3.83E+05	0.61 Y	0.75	0.70	-6.8%	
PCB-102 22'456'-PeCB	26.09	2.25E+05	0.63 Y	0.75	0.82	9.1%	
PCB-98 22'3'46'-PeCB	26.15	1.46E+05	0.57 Y	0.71	0.53	-25.3%	
PCB-88 22'346'-PeCB	26.43	1.84E+05	0.62 Y	0.66	0.67	0.4%	
PCB-91 22'34'6'-PeCB	26.51	2.13E+05	0.61 Y	0.84	0.78	-7.6%	
PCB-84 22'33'6'-PeCB	26.68	1.56E+05	0.65 Y	0.65	0.57	-12.5%	
PCB-89 22'346'-PeCB	27.09	1.89E+05	0.60 Y	0.69	0.69	0.0%	
PCB-121 23'45'6'-PeCB	27.48	2.63E+05	0.62 Y	0.98	0.96	-2.7%	
PCB-92 22'355'-PeCB	27.79	1.97E+05	0.58 Y	0.72	0.71	-0.2%	
PCB-113/90/101 233'5'6-/22'3	28.27	6.46E+05	0.64 Y	0.81	0.78	-3.3%	
PCB-83 22'33'5'-PeCB	28.68	1.71E+05	0.60 Y	0.62	0.62	-0.4%	
PCB-99 22'44'5'-PeCB	28.79	2.14E+05	0.67 Y	0.76	0.78	1.6%	
PCB-112 233'56'-PeCB	28.88	2.62E+05	0.64 Y	0.96	0.95	-1.3%	
PCB-108/119/86/97/125/87 233	29.22	1.28E+06	0.59 Y	0.83	0.77	-6.2%	
PCB-117 234'56'-PeCB	29.75	2.53E+05	0.61 Y	0.94	0.92	-2.2%	
PCB-116/85 23456-/22'344'-Pe	29.83	4.27E+05	0.58 Y	0.81	0.77	-4.2%	
PCB-110 233'4'6'-PeCB	29.96	2.41E+05	0.61 Y	0.92	0.87	-5.0%	

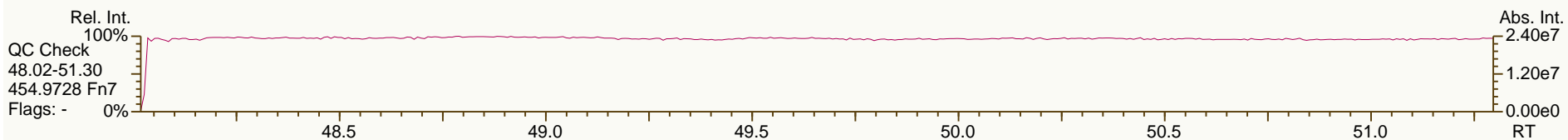
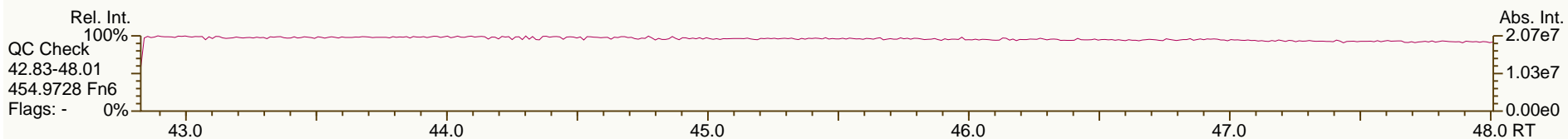
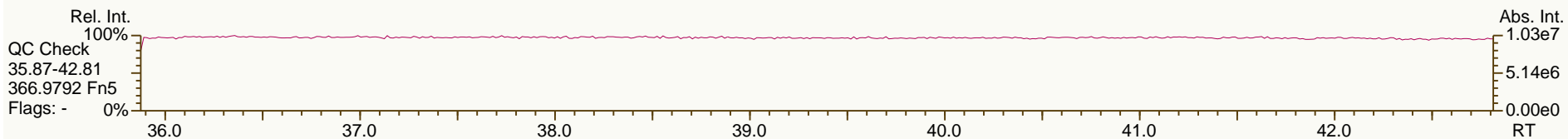
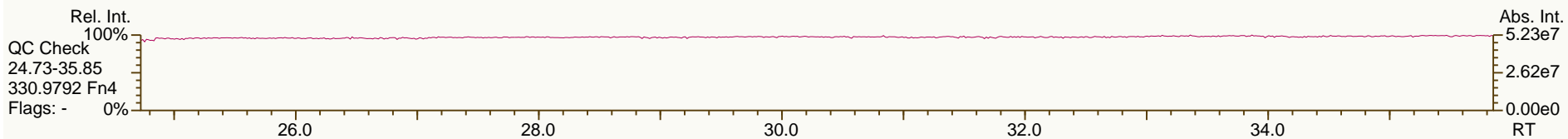
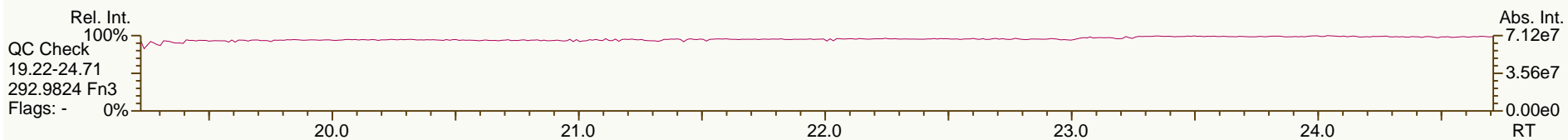
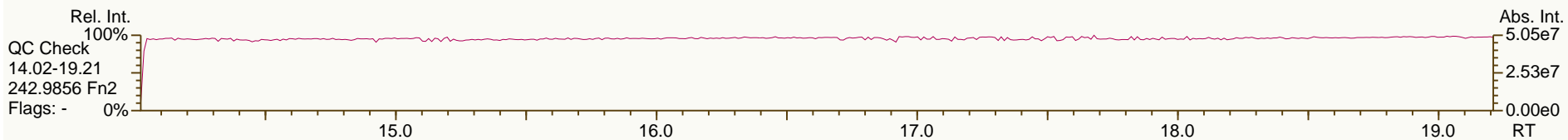
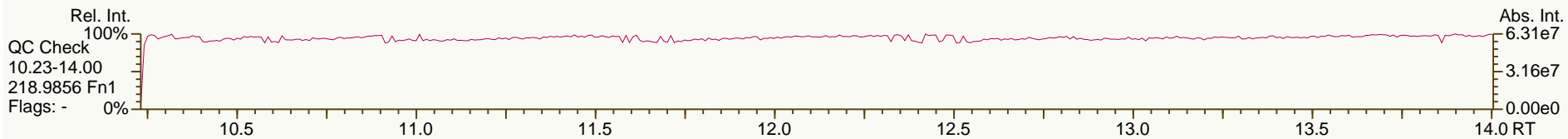
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.04	2.57E+05	0.66 Y	0.95	0.93	-1.4%	
PCB-82 22'33'4-PeCB	30.22	1.74E+05	0.65 Y	0.62	0.63	2.8%	
PCB-111 233'55'-PeCB	30.59	2.71E+05	0.58 Y	0.98	0.98	-0.1%	
PCB-120 23'455'-PeCB	30.98	2.75E+05	0.69 Y	0.99	1.00	0.5%	
PCB-107/124 233'4'5-/2'3455'	31.93	4.60E+05	0.62 Y	0.92	0.83	-9.2%	
PCB-109 233'46-PeCB	32.13	2.66E+05	0.61 Y	1.00	0.97	-2.9%	
PCB-106 233'45-PeCB	32.34	2.54E+05	0.63 Y	0.96	0.92	-4.1%	
PCB-122 2'33'45-PeCB	32.79	2.27E+05	0.67 Y	0.93	0.89	-4.4%	
PCB-127 33'455'-PeCB	34.77	2.48E+05	0.66 Y	1.04	0.99	-5.1%	
PCB-155 22'44'66'-HxCB	28.12	3.01E+05	1.22 Y	1.06	1.00	-5.6%	
PCB-152 22'3566'-HxCB	28.25	2.85E+05	1.34 Y	0.98	0.95	-3.7%	
PCB-150 22'34'66'-HxCB	28.40	2.84E+05	1.31 Y	0.99	0.94	-4.6%	
PCB-136 22'33'66'-HxCB	28.69	2.70E+05	1.23 Y	0.92	0.90	-2.6%	
PCB-145 22'3466'HxCB	28.96	2.77E+05	1.37 Y	0.94	0.92	-2.0%	
PCB-148 22'34'56'-HxCB	30.27	2.16E+05	1.32 Y	0.95	0.91	-4.1%	
PCB-151/135 22'355'6-/22'33'	30.77	4.16E+05	1.22 Y	0.92	0.88	-4.7%	
PCB-154 22'44'5'6-HxCB	30.99	2.32E+05	1.31 Y	1.01	0.98	-3.7%	
PCB-144 22'345'6-HxCB	31.24	2.19E+05	1.22 Y	0.93	0.92	-1.0%	
PCB-147/149 22'34'56-/22'34'	31.54	4.25E+05	1.34 Y	0.94	0.90	-4.2%	
PCB-134 22'33'56-HxCB	31.70	1.75E+05	1.25 Y	0.78	0.74	-6.2%	
PCB-143 22'3456'-HxCB	31.78	1.99E+05	1.10 Y	0.90	0.84	-6.3%	
PCB-139/140 22'344'6-/22'344'	32.05	4.26E+05	1.27 Y	0.95	0.90	-5.6%	
PCB-131 22'33'46-HxCB	32.21	1.92E+05	1.20 Y	0.84	0.81	-3.1%	
PCB-142 22'3456-HxCB	32.35	1.95E+05	1.33 Y	0.87	0.82	-5.7%	
PCB-132 22'33'46'-HxCB	32.59	2.02E+05	1.35 Y	0.88	0.85	-2.7%	
PCB-133 22'33'55'-HxCB	33.04	2.01E+05	1.20 Y	0.89	0.85	-4.9%	
PCB-165 233'55'6-HxCB	33.38	2.47E+05	1.36 Y	1.06	1.04	-2.1%	
PCB-146 22'34'55'-HxCB	33.59	2.12E+05	1.13 Y	0.94	0.89	-5.2%	
PCB-161 233'45'6-HxCB	33.71	2.73E+05	1.37 Y	1.20	1.15	-3.9%	
PCB-153/168 22'44'55'-/23'44'	34.13	5.36E+05	1.28 Y	1.15	1.13	-1.6%	
PCB-141 22'3455'-HxCB	34.26	2.21E+05	1.17 Y	0.91	0.93	2.0%	
PCB-130 22'33'45'-HxCB	34.61	1.87E+05	1.30 Y	0.82	0.79	-4.0%	
PCB-137 22'344'5-HxCB	34.81	2.37E+05	1.33 Y	1.00	1.00	-0.4%	
PCB-164 233'4'5'6-HxCB	34.89	2.56E+05	1.36 Y	1.14	1.08	-5.2%	
PCB-163/138/129 233'4'56-/22'	35.17	6.86E+05	1.26 Y	0.98	0.96	-2.2%	
PCB-160 233'456-HxCB	35.30	2.61E+05	1.27 Y	1.14	1.10	-3.9%	
PCB-158 233'44'6-HxCB	35.49	2.86E+05	1.30 Y	1.24	1.21	-3.1%	
PCB-128/166 22'33'44'-/2344'5	36.21	4.08E+05	1.28 Y	0.86	0.81	-6.2%	
PCB-159 233'455'-HxCB	37.07	2.48E+05	1.44 Y	1.03	0.98	-4.1%	
PCB-162 233'4'55'-HxCB	37.31	2.47E+05	1.12 Y	1.04	0.98	-5.8%	
PCB-188 22'34'566'-HpCB	32.97	2.94E+05	0.98 Y	1.07	1.01	-5.2%	
PCB-179 22'33'566'-HpCB	33.24	2.77E+05	1.07 Y	0.98	0.95	-2.8%	
PCB-184 22'344'66'-HpCB	33.71	2.75E+05	1.17 Y	0.97	0.94	-3.0%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
Lab ID:	CS1_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	3.04E+05	0.95 Y	1.06	1.04	-2.1%	
PCB-186 22'34566'-HpCB	34.38	2.87E+05	1.12 Y	1.02	0.98	-3.3%	
PCB-178 22'33'55'6'-HpCB	35.55	2.26E+05	1.02 Y	0.77	0.77	0.4%	
PCB-175 22'33'45'6'-HpCB	36.09	1.97E+05	0.97 Y	0.89	0.86	-4.2%	
PCB-187 22'34'55'6'-HpCB	36.32	2.03E+05	0.90 Y	0.94	0.88	-5.7%	
PCB-182 22'344'56'-HpCB	36.49	2.11E+05	1.00 Y	0.95	0.91	-3.7%	
PCB-183 22'344'5'6'-HpCB	36.84	2.40E+05	1.19 Y	0.96	1.04	8.6%	
PCB-185 22'3455'6'-HpCB	36.91	1.74E+05	0.90 Y	0.93	0.75	-18.9%	
PCB-174 22'33'456'-HpCB	37.02	1.82E+05	1.05 Y	0.80	0.79	-1.6%	
PCB-177 22'33'4'56'-HpCB	37.39	1.84E+05	1.12 Y	0.82	0.80	-2.3%	
PCB-181 22'344'56'-HpCB	37.74	1.95E+05	1.03 Y	0.91	0.85	-7.2%	
PCB-171/173 22'33'44'6'-/22'3	37.91	3.64E+05	1.15 Y	0.81	0.79	-3.0%	
PCB-172 22'33'455'-HpCB	39.30	1.77E+05	1.08 Y	0.83	0.77	-7.2%	
PCB-192 233'455'6'-HpCB	39.55	2.43E+05	1.06 Y	1.09	1.06	-3.4%	
PCB-180/193 22'344'55'-/233'	39.83	4.39E+05	0.94 Y	1.01	0.95	-6.0%	
PCB-191 233'44'5'6'-HpCB	40.15	2.48E+05	1.07 Y	1.13	1.08	-4.9%	
PCB-170 22'33'44'5'-HpCB	40.91	1.90E+05	1.02 Y	1.00	0.97	-2.9%	
PCB-190 233'44'56'-HpCB	41.36	2.50E+05	1.17 Y	1.35	1.28	-5.3%	
PCB-202 22'33'55'66'-OcCB	37.51	2.11E+05	0.90 Y	0.83	0.75	-8.7%	
PCB-201 22'33'45'66'-OcCB	38.30	2.41E+05	0.80 Y	0.93	0.86	-7.1%	
PCB-204 22'344'566'-OcCB	38.87	2.38E+05	0.83 Y	0.89	0.85	-4.7%	
PCB-197 22'33'44'66'-OcCB	39.06	2.62E+05	0.87 Y	0.91	0.94	2.6%	
PCB-200 22'33'4566'-OcCB	39.13	2.55E+05	0.97 Y	0.93	0.91	-1.9%	
PCB-198/199 22'33'455'6'-/22'	41.49	3.65E+05	0.85 Y	0.68	0.65	-4.7%	
PCB-196 22'33'44'56'-OcCB	42.07	2.08E+05	0.94 Y	0.72	0.74	3.7%	
PCB-203 22'344'55'6'-OcCB	42.23	1.97E+05	0.96 Y	0.74	0.70	-4.4%	
PCB-195 22'33'44'56'-OcCB	43.34	1.58E+05	0.99 Y	0.81	0.79	-2.6%	
PCB-194 22'33'44'55'-OcCB	45.32	1.61E+05	0.85 Y	0.86	0.81	-6.1%	
PCB-205 233'44'55'6'-OcCB	45.72	2.15E+05	0.98 Y	1.09	1.08	-1.4%	
PCB-208 22'33'455'66'-NoCB	43.15	2.02E+05	0.82 Y	0.98	0.96	-2.1%	
PCB-207 22'33'44'566'-NoCB	43.94	2.10E+05	0.81 Y	1.02	1.00	-2.0%	
PCB-206 22'33'44'55'6'-NoCB	47.19	1.50E+05	0.81 Y	0.93	0.90	-3.4%	

AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

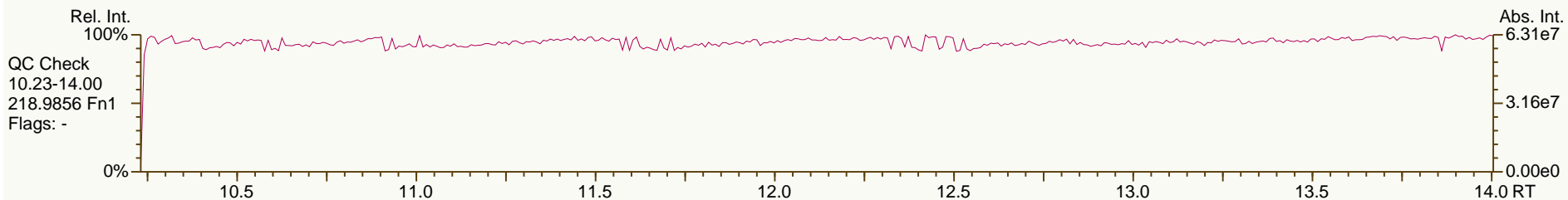
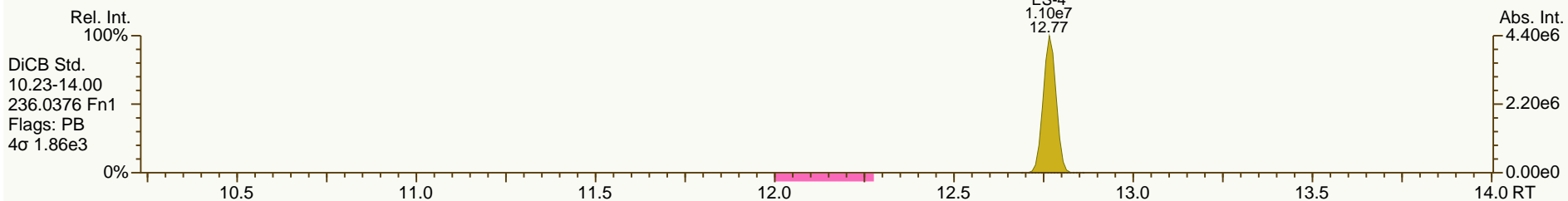
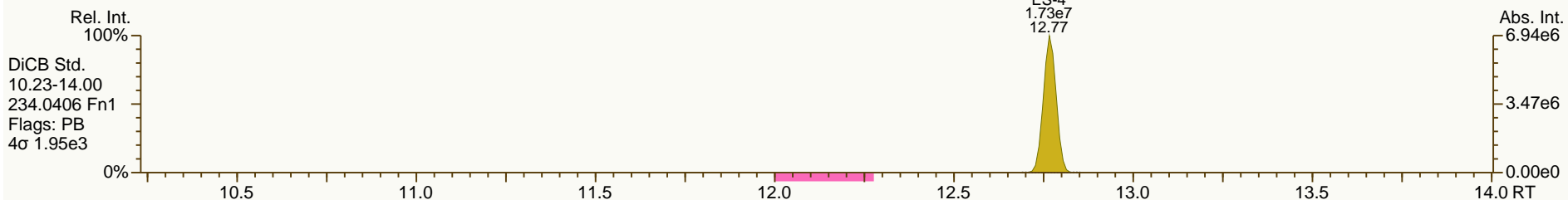
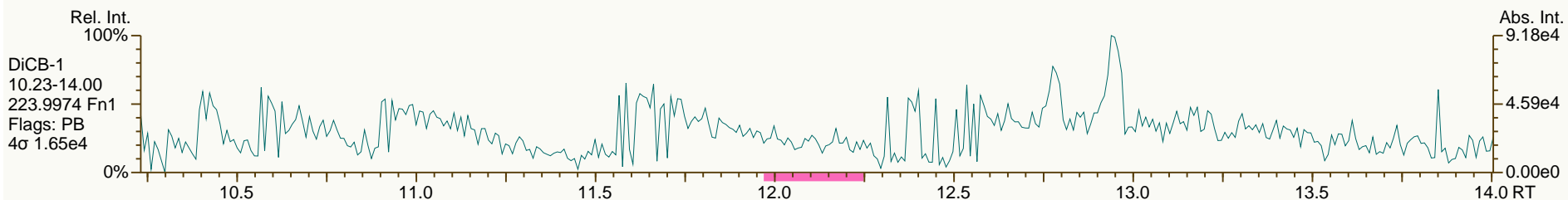
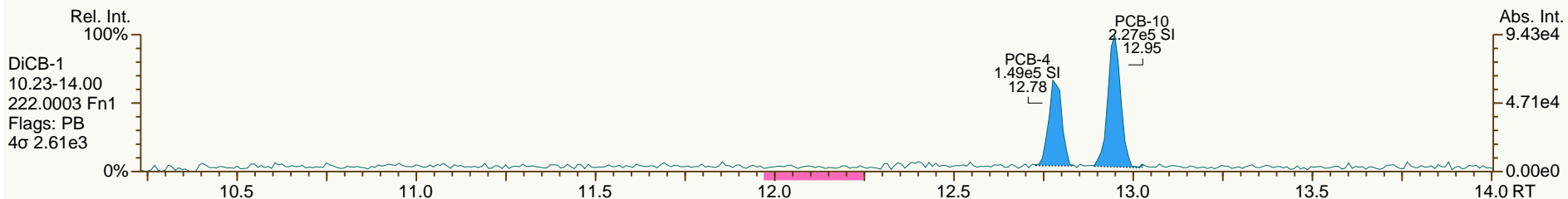
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

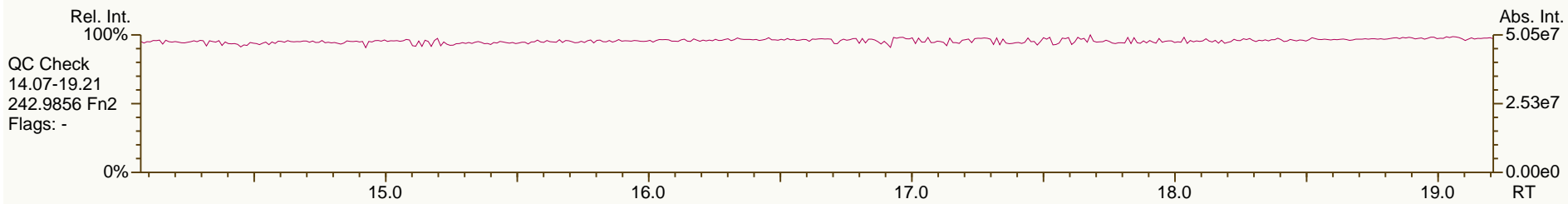
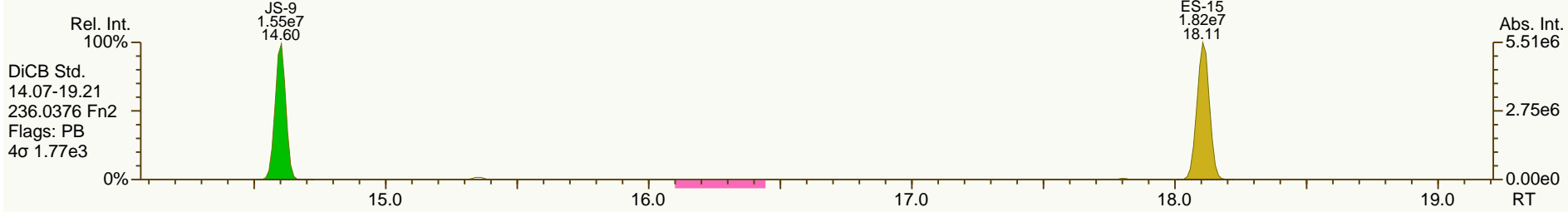
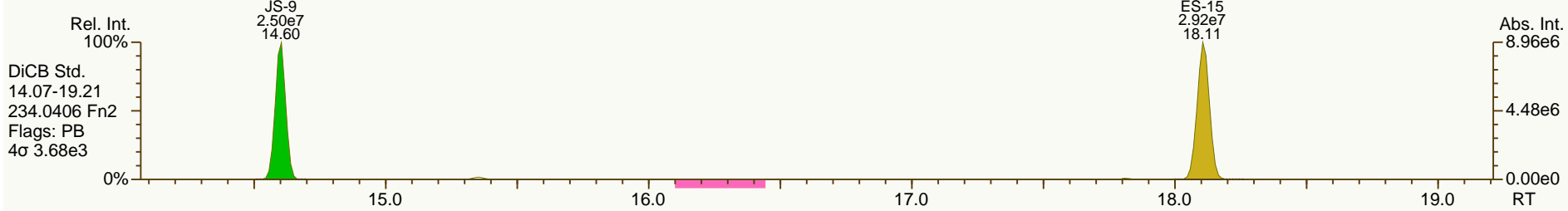
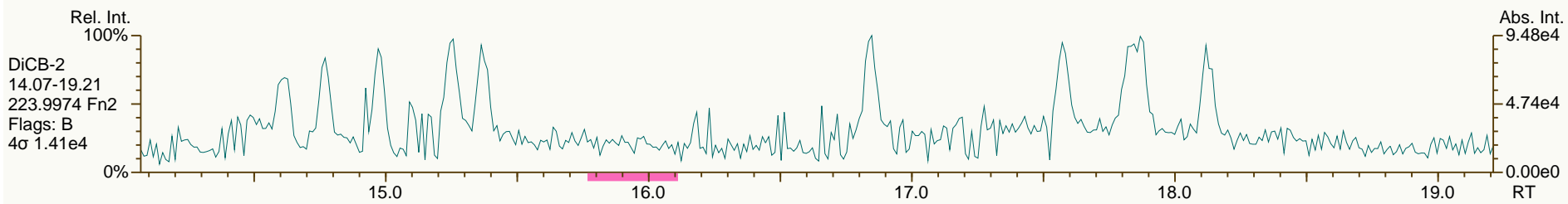
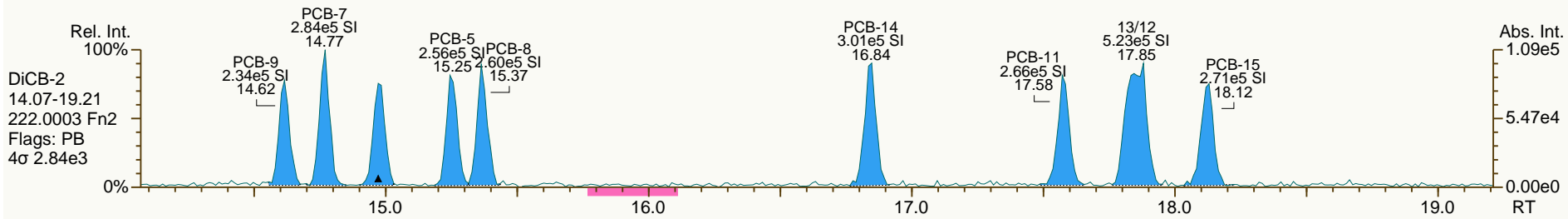
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

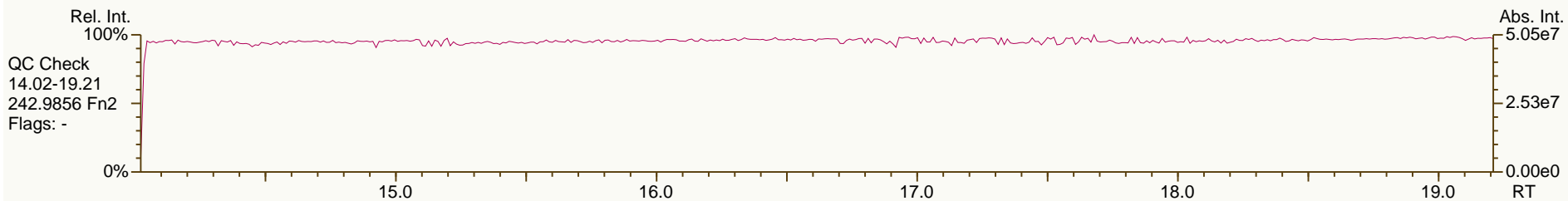
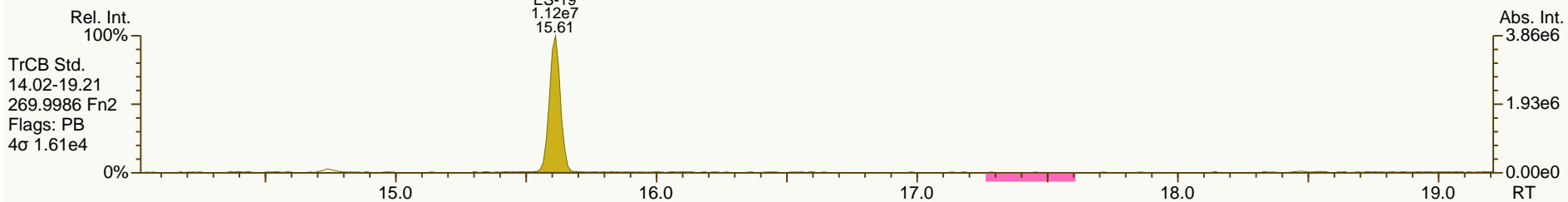
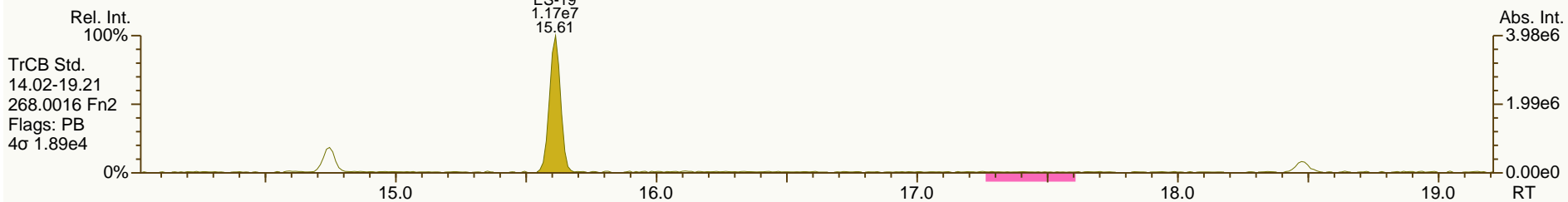
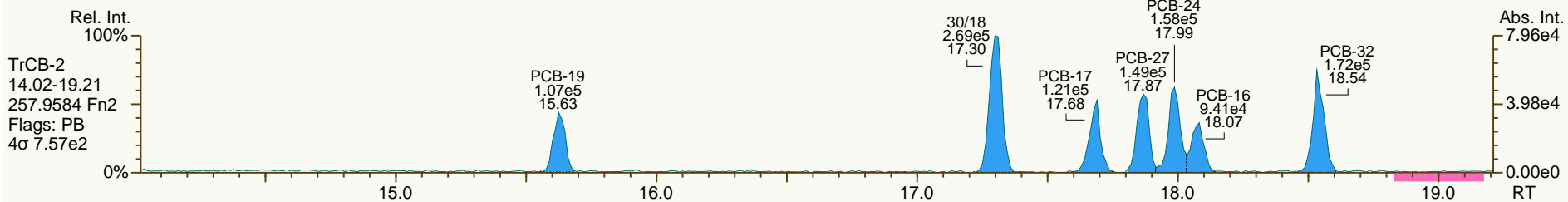
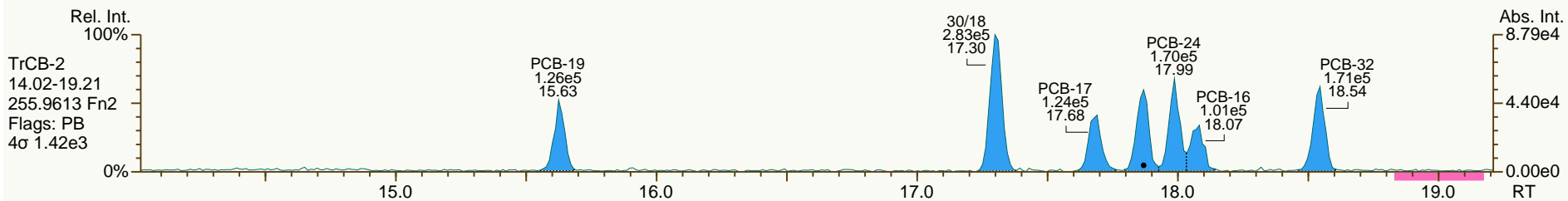
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

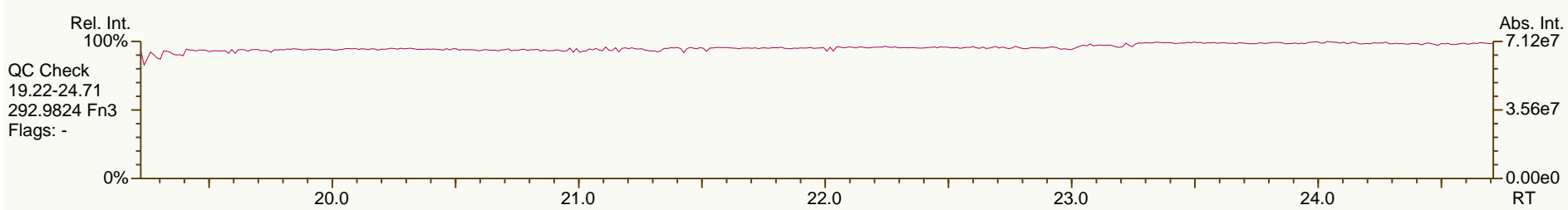
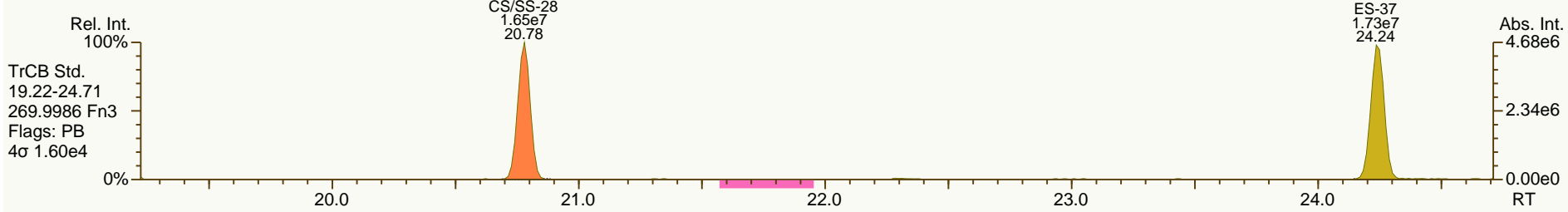
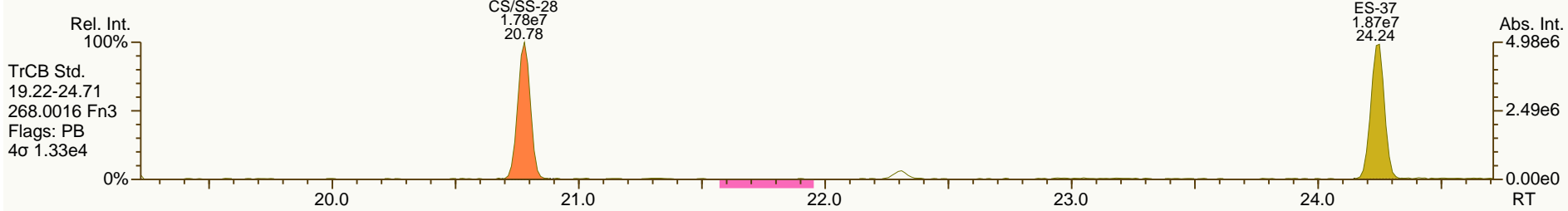
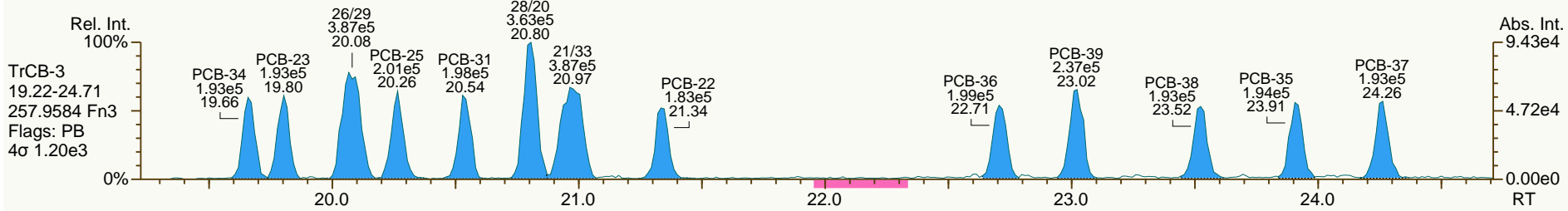
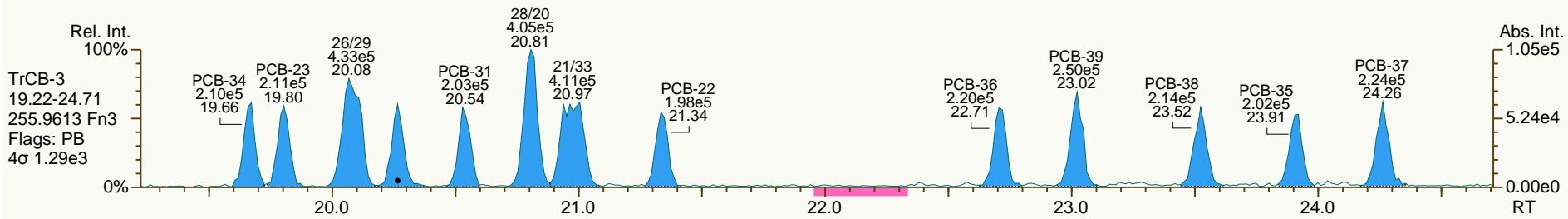
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

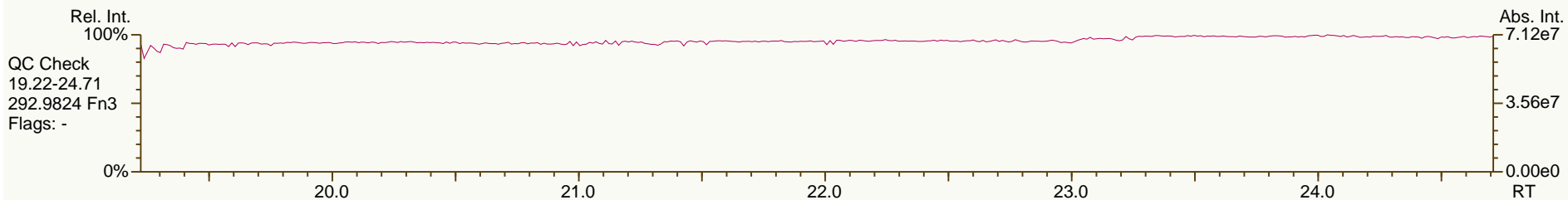
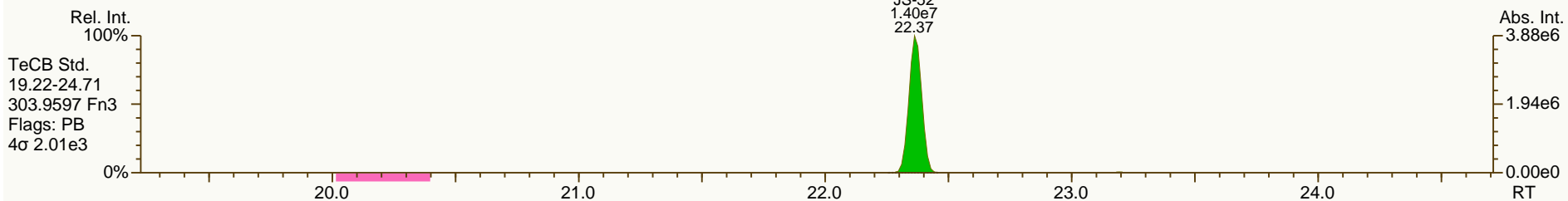
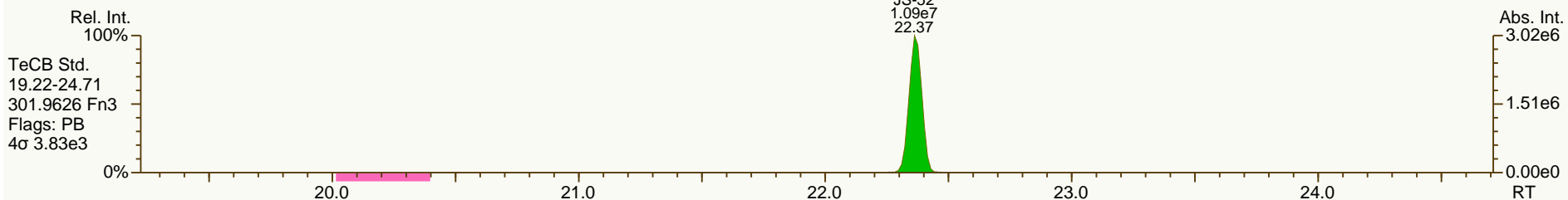
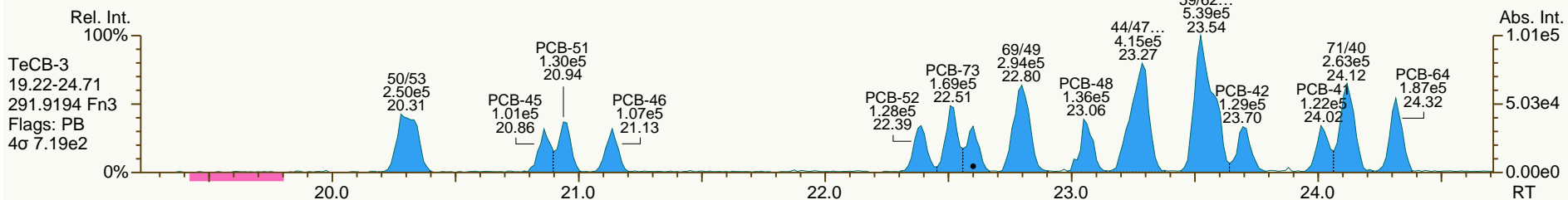
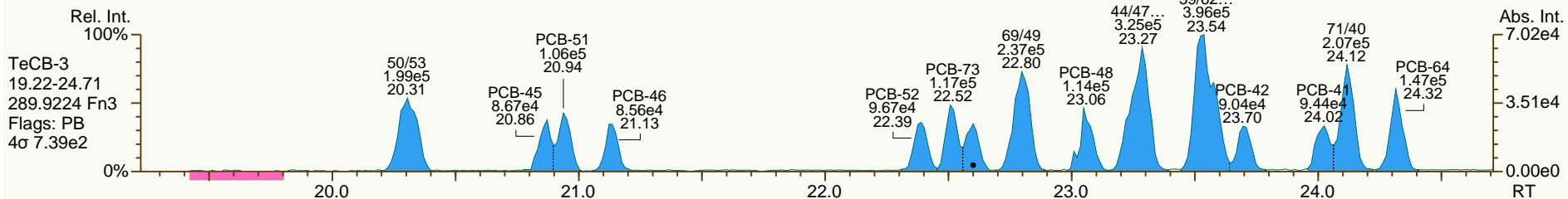
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

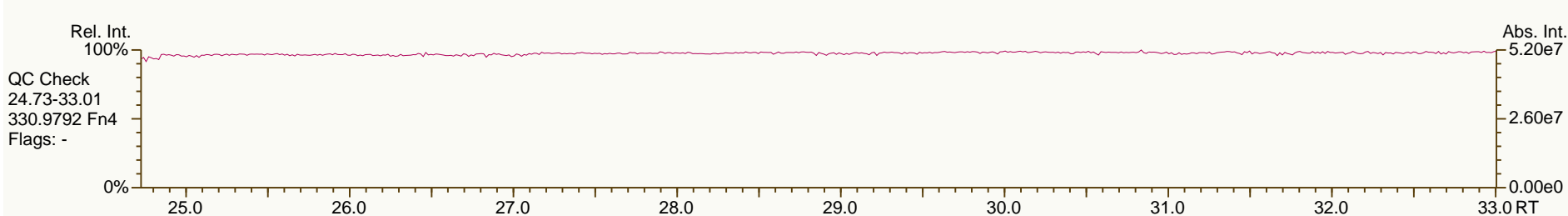
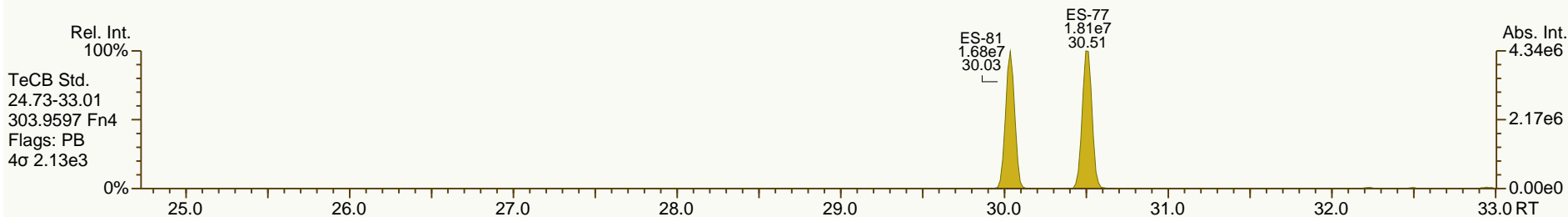
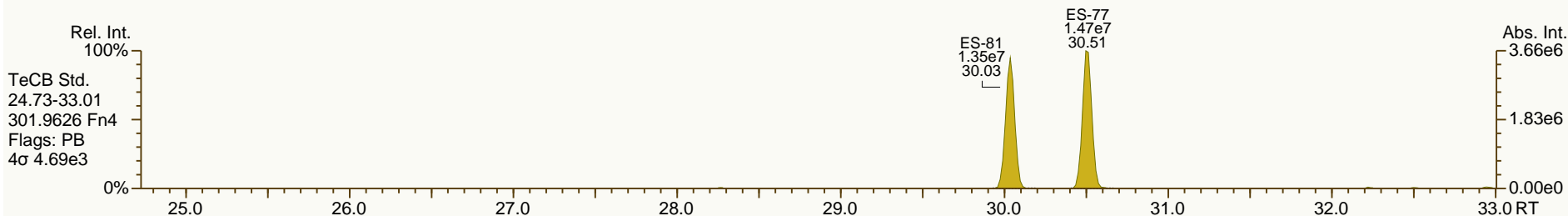
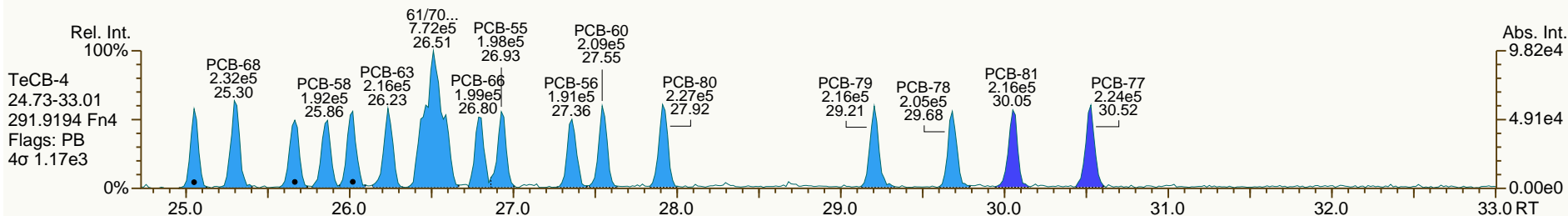
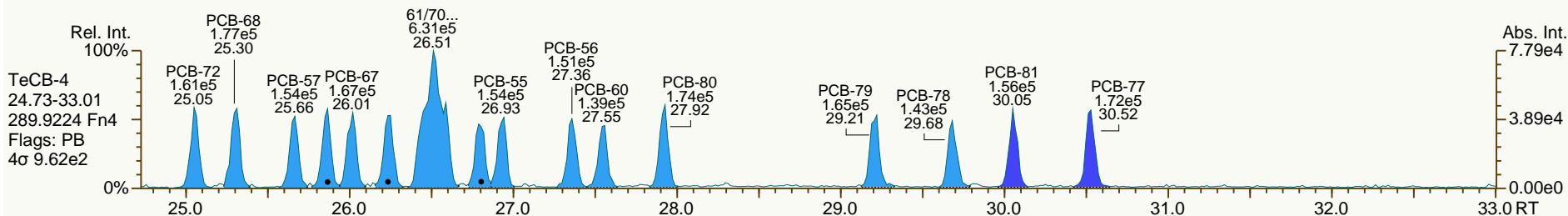
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

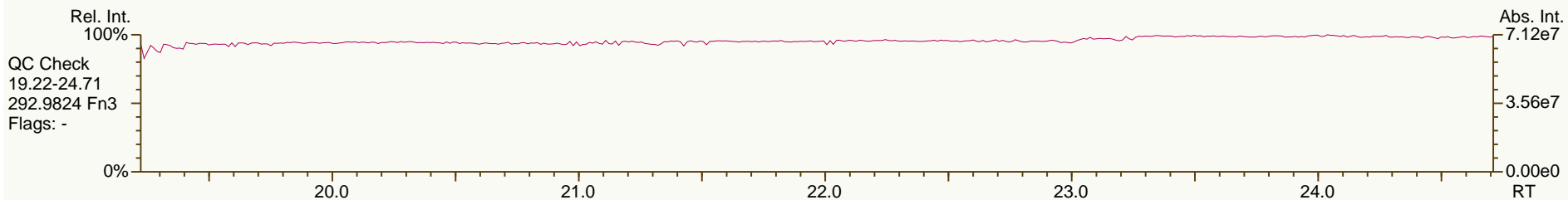
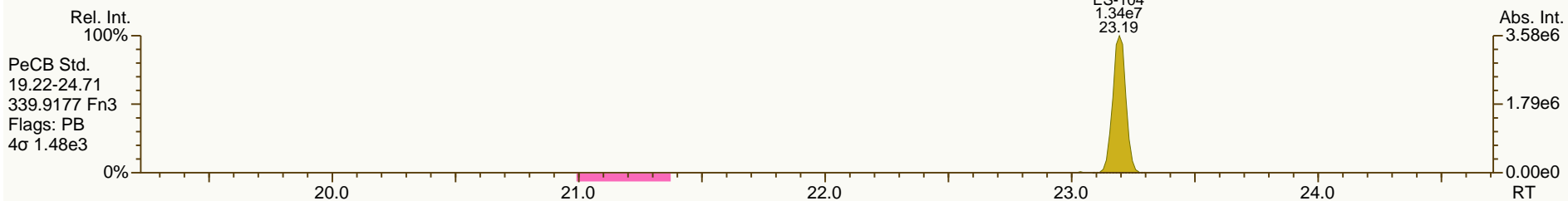
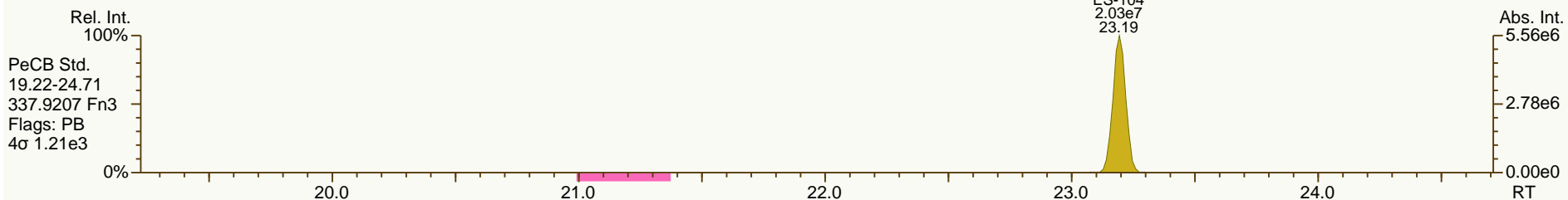
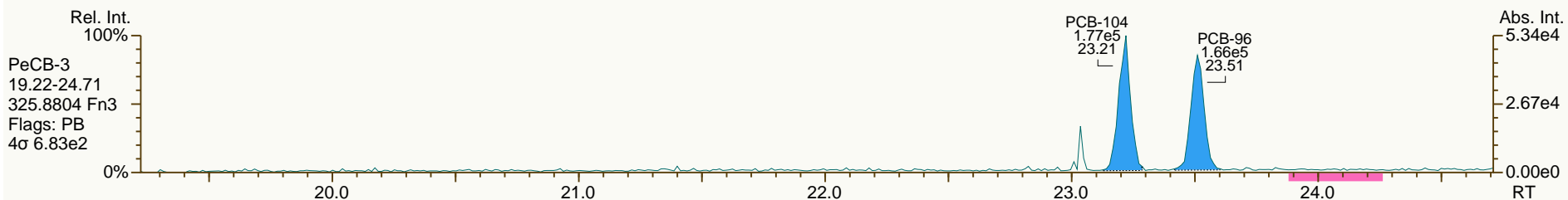
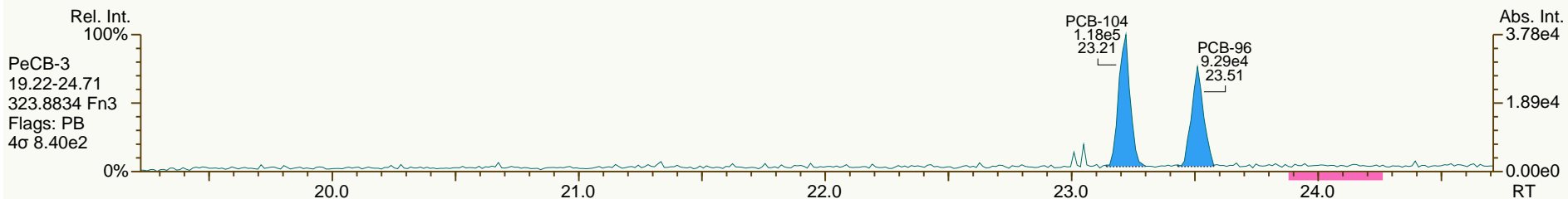
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

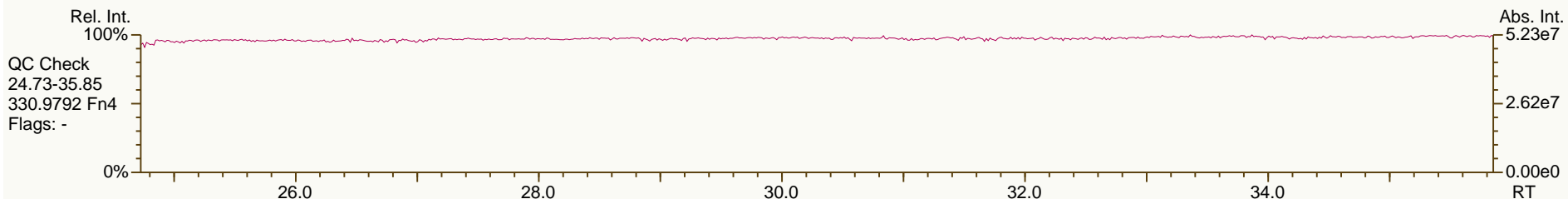
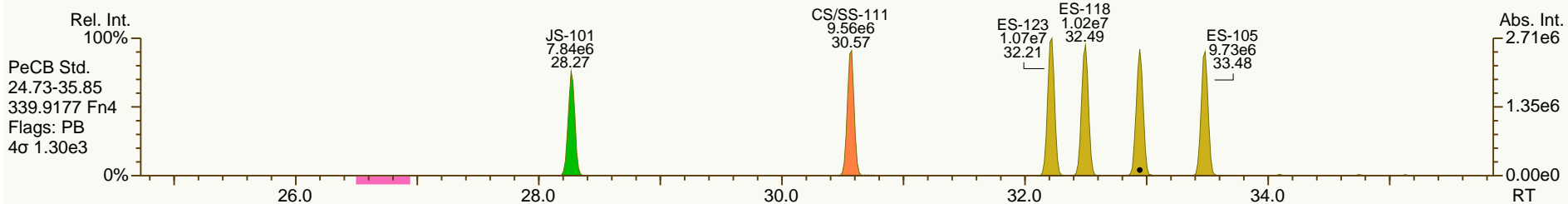
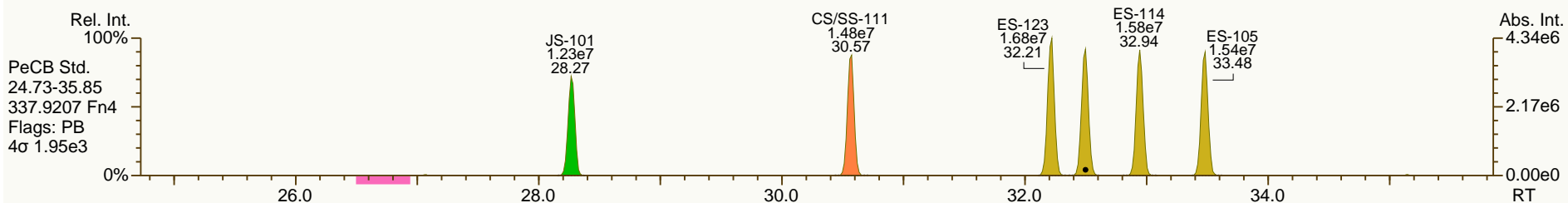
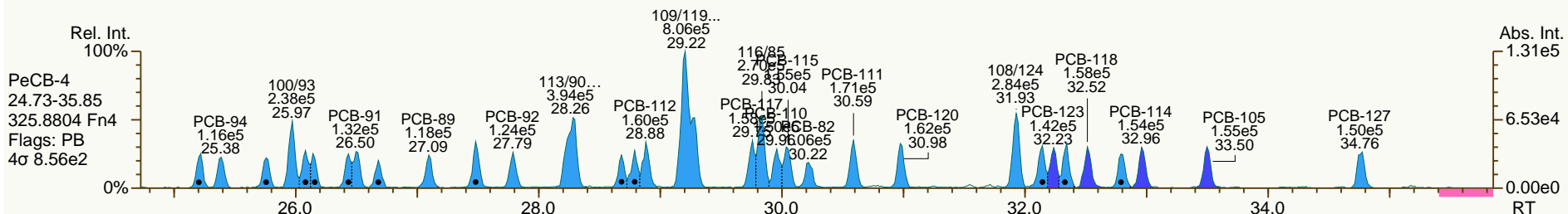
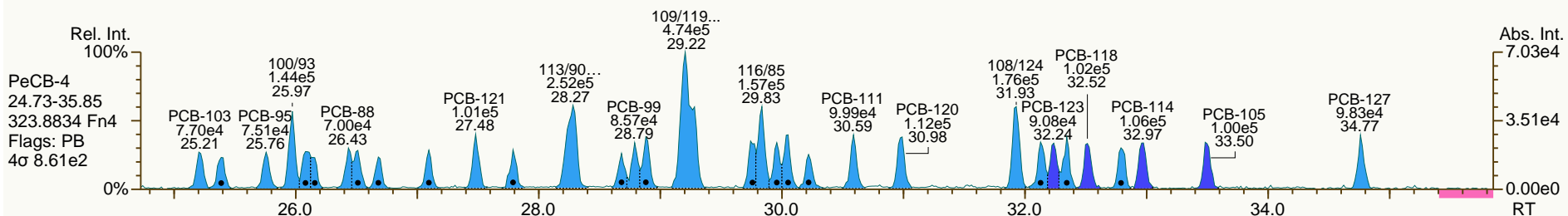
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

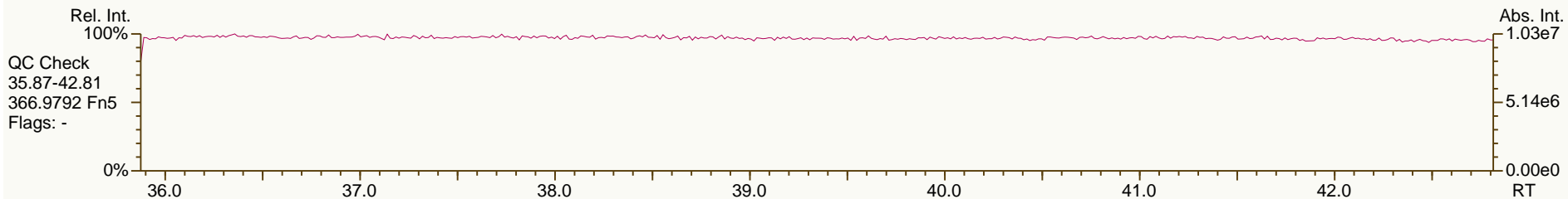
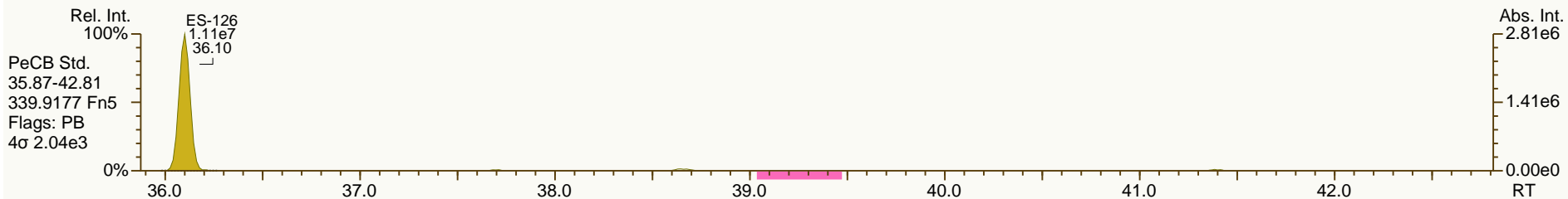
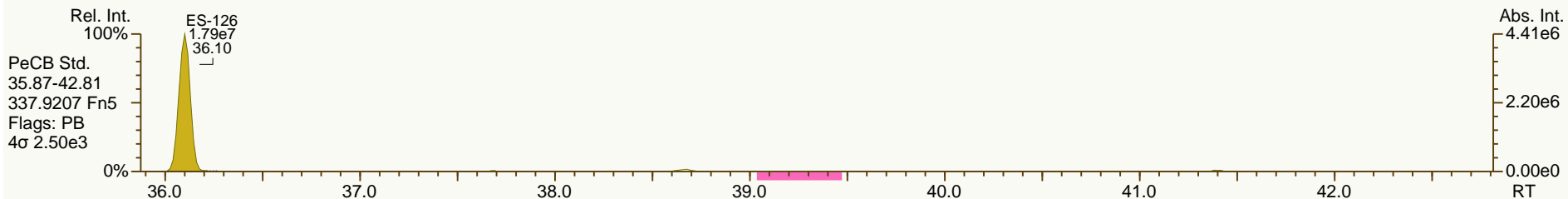
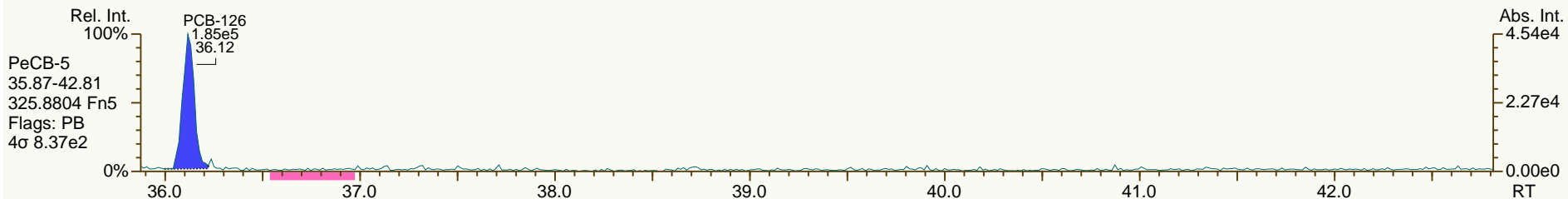
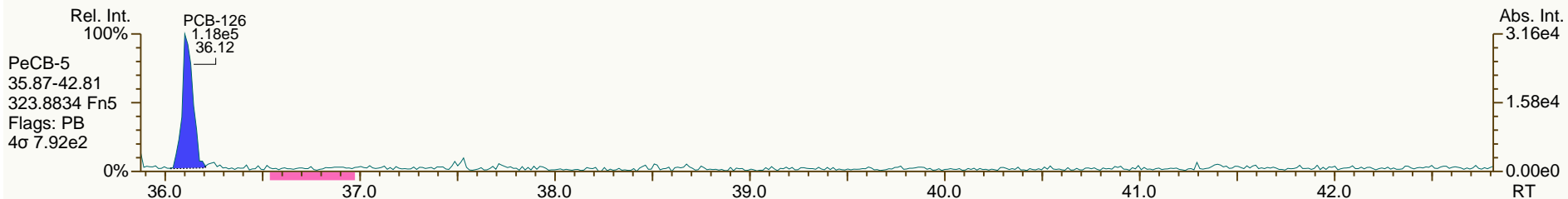
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

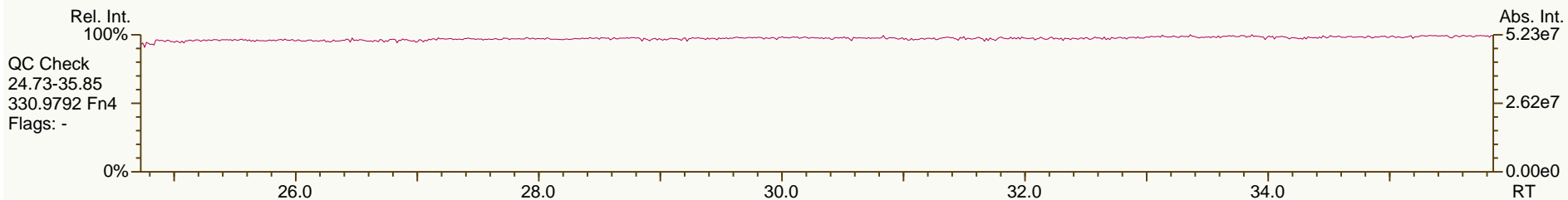
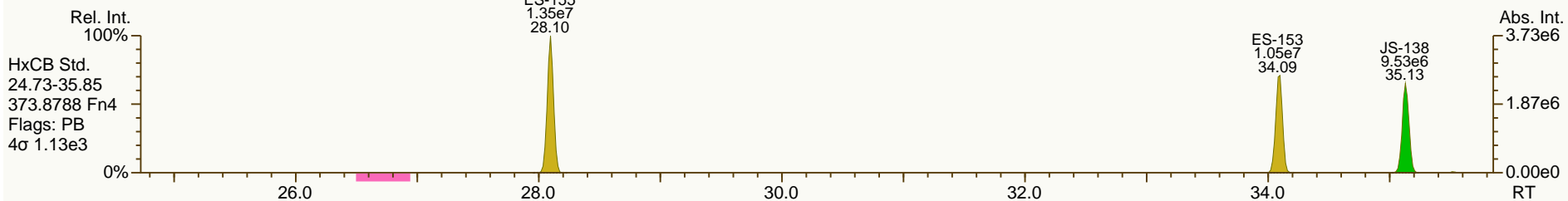
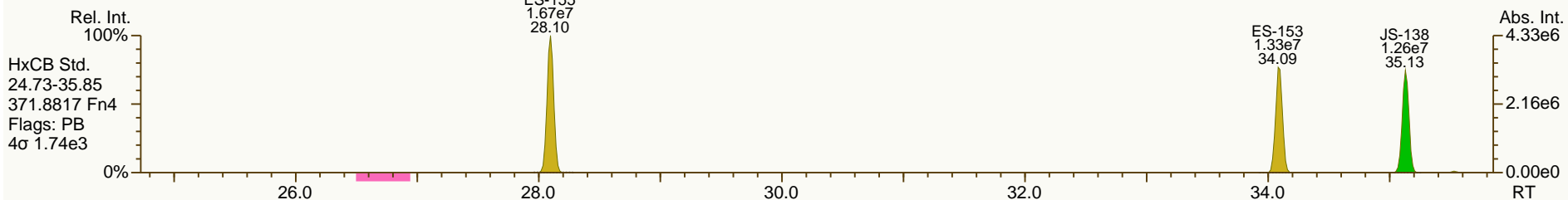
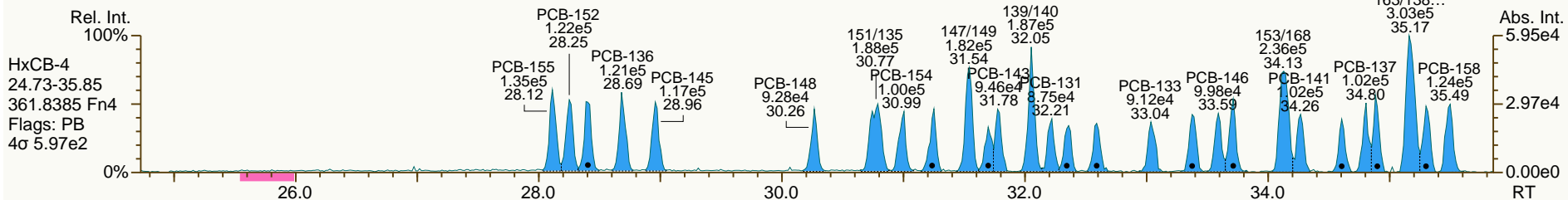
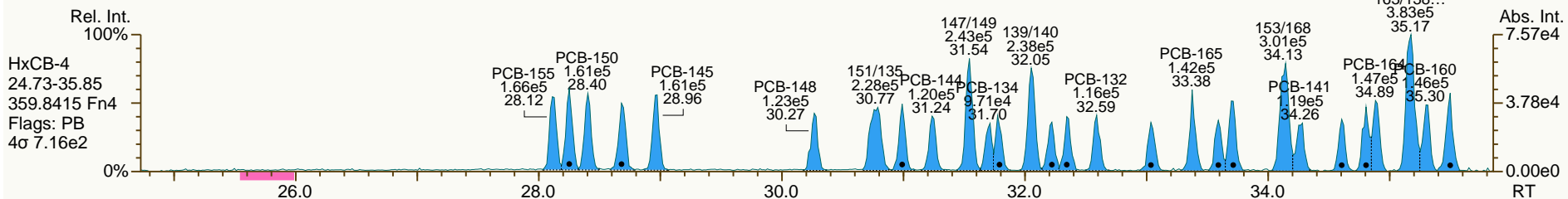
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

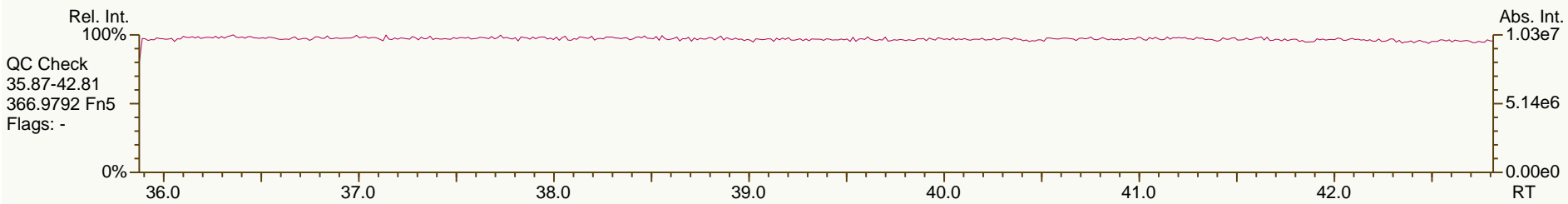
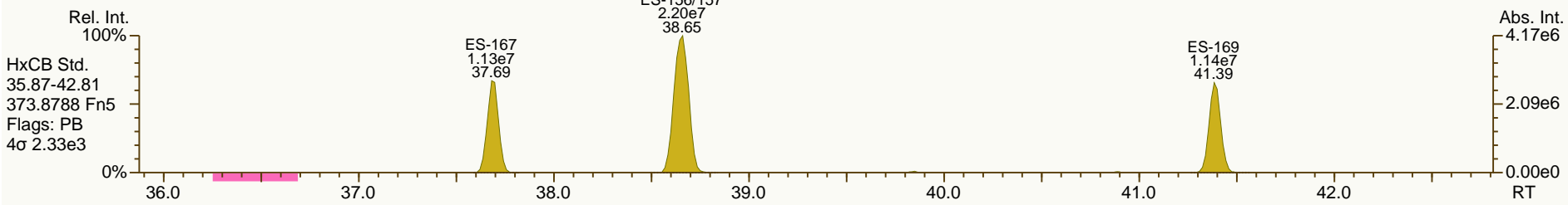
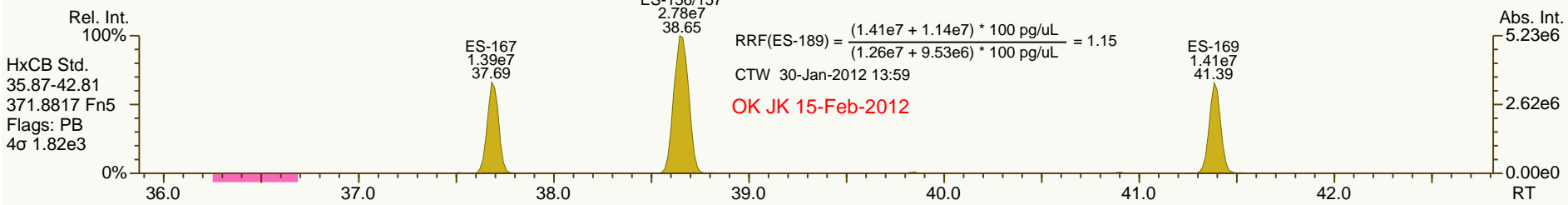
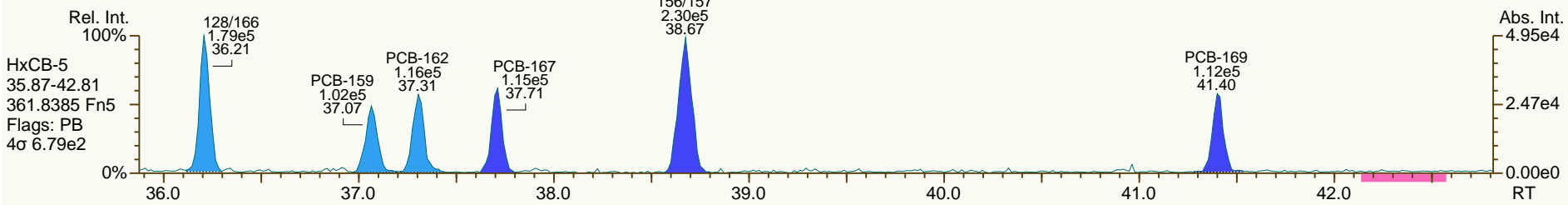
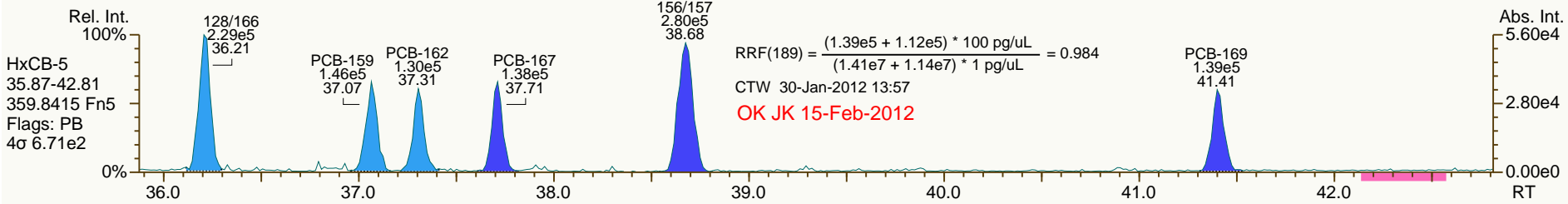
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

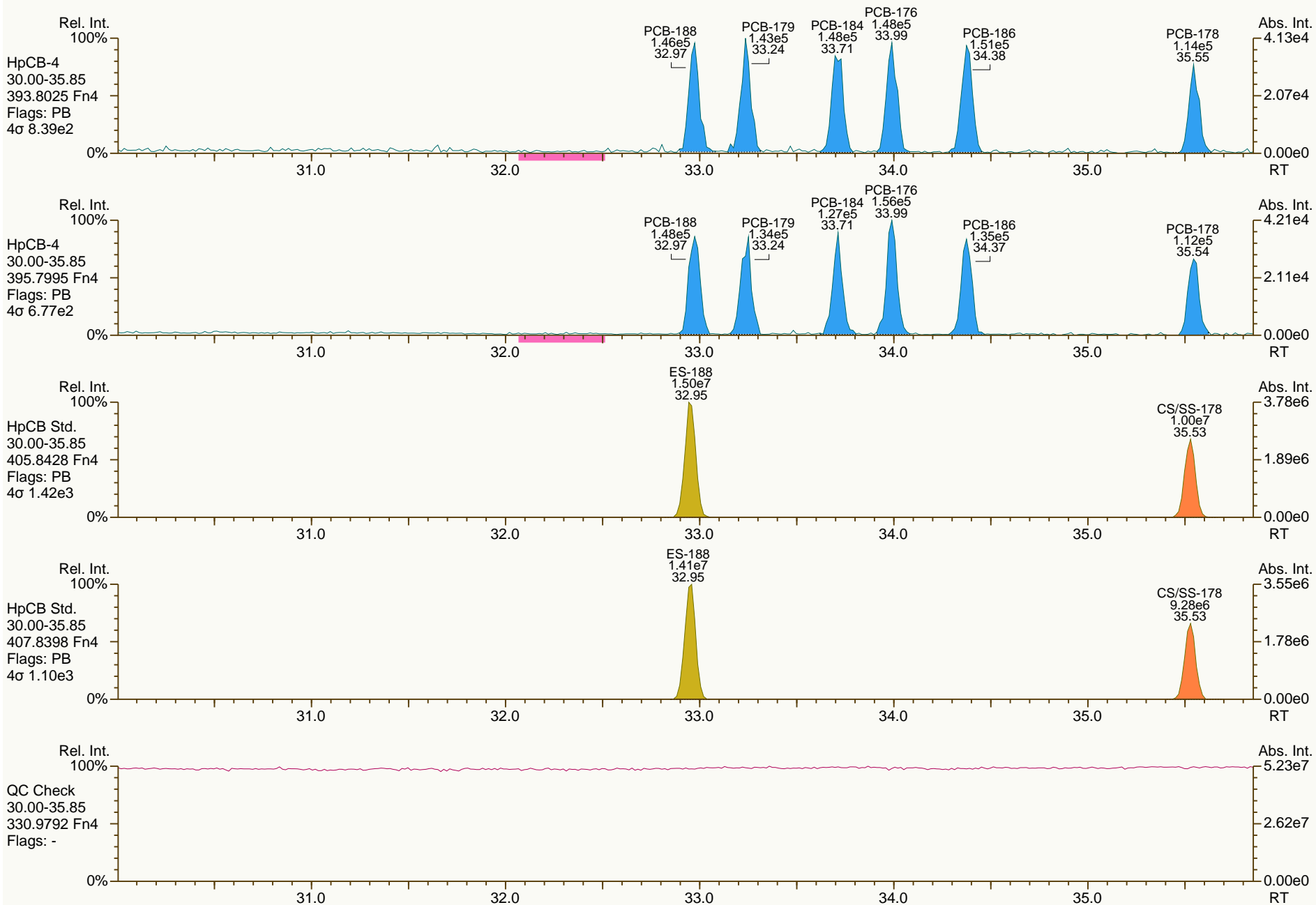
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

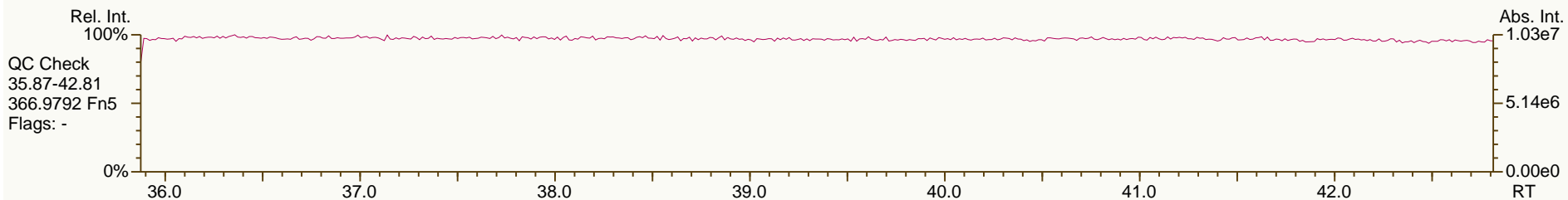
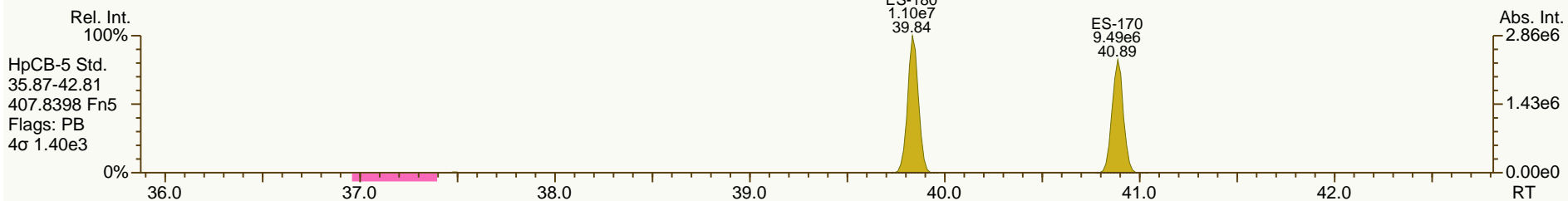
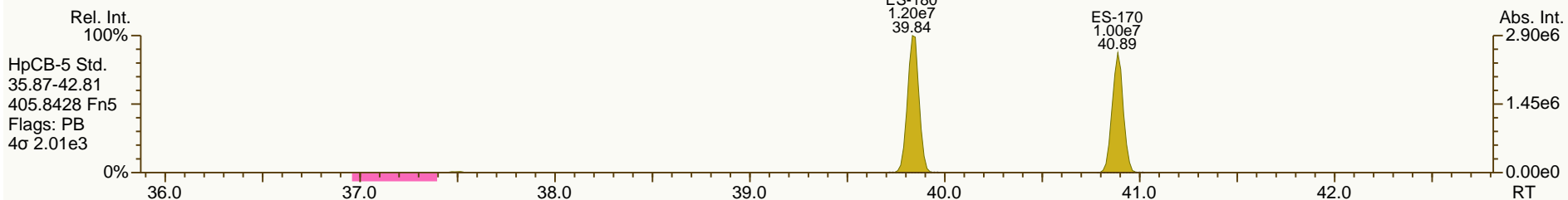
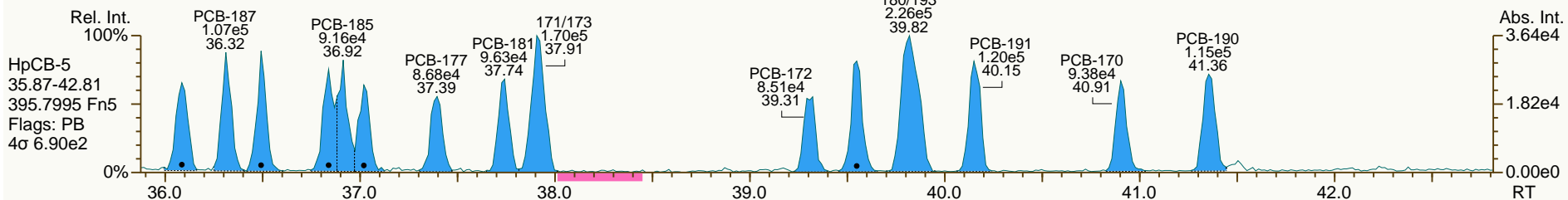
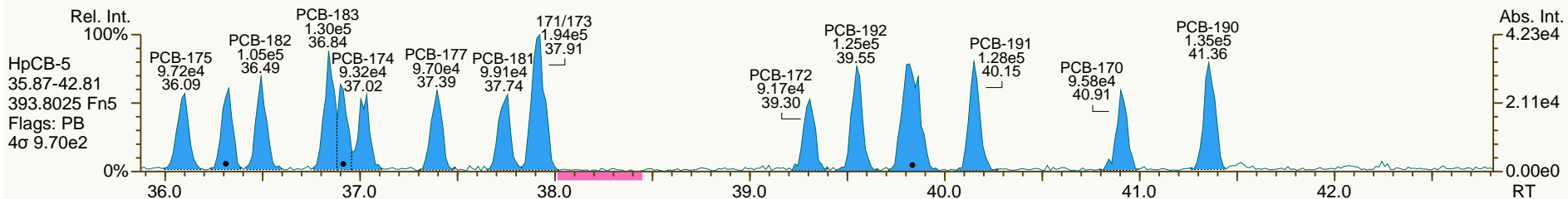
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

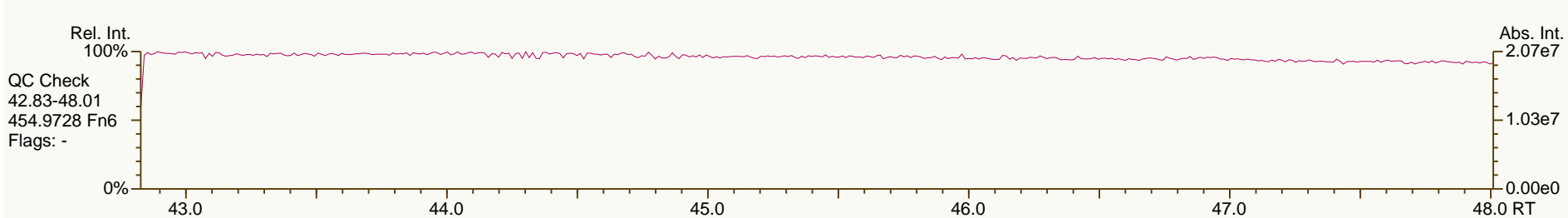
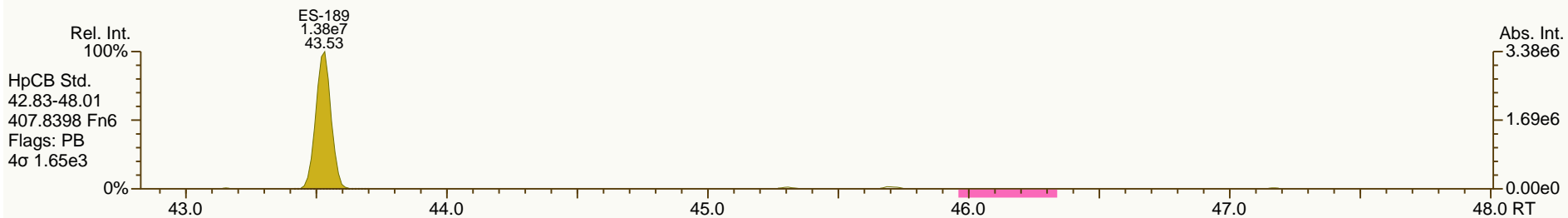
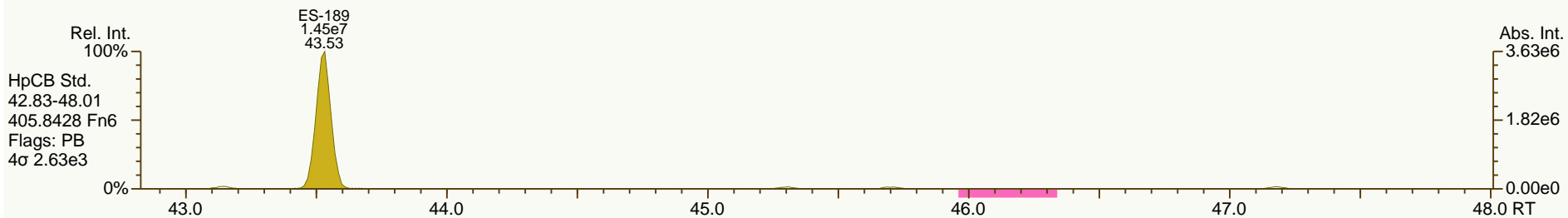
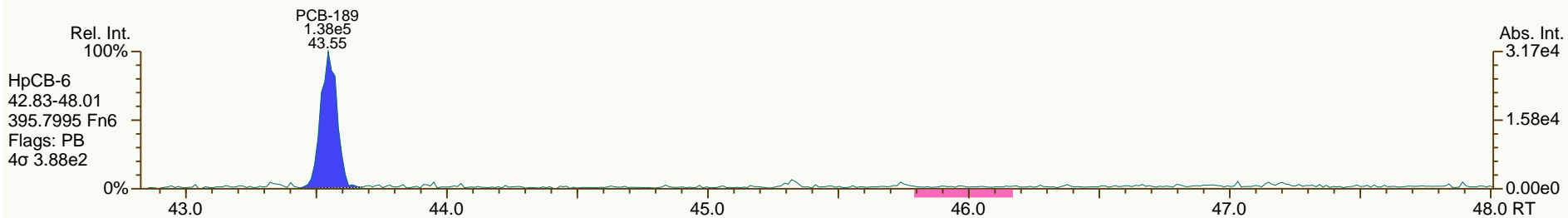
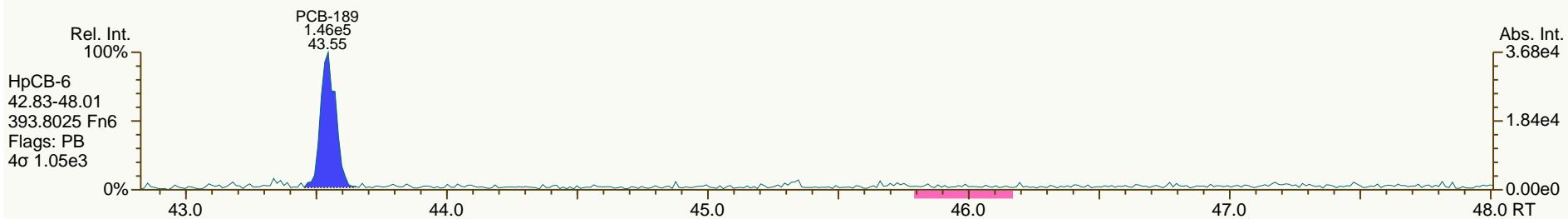
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

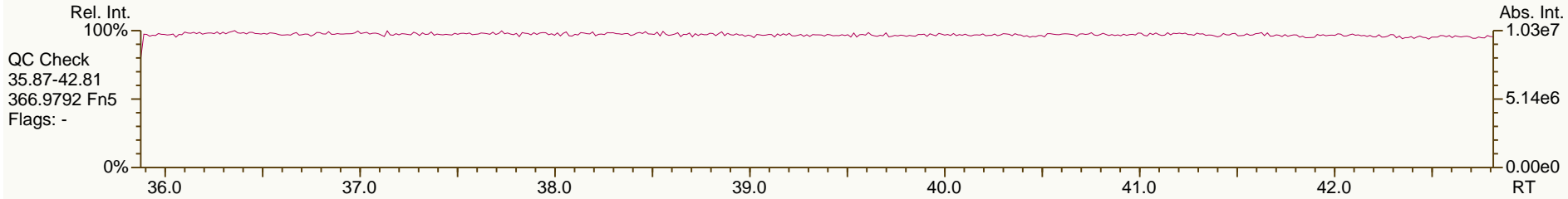
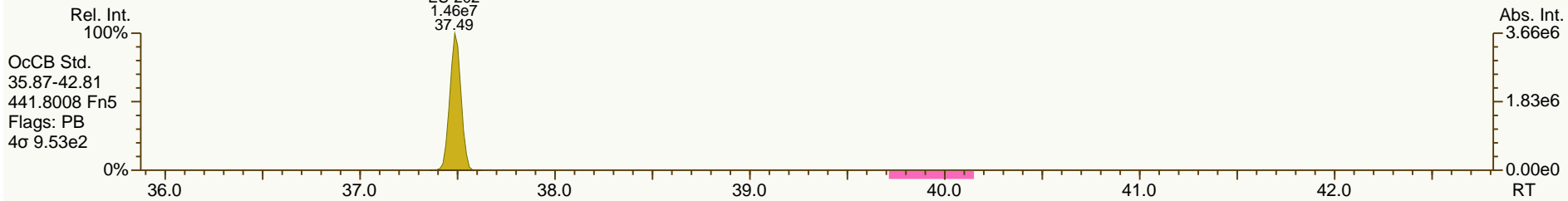
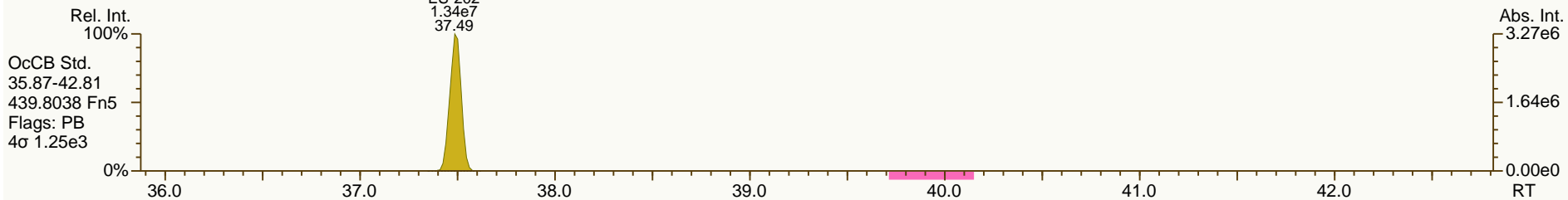
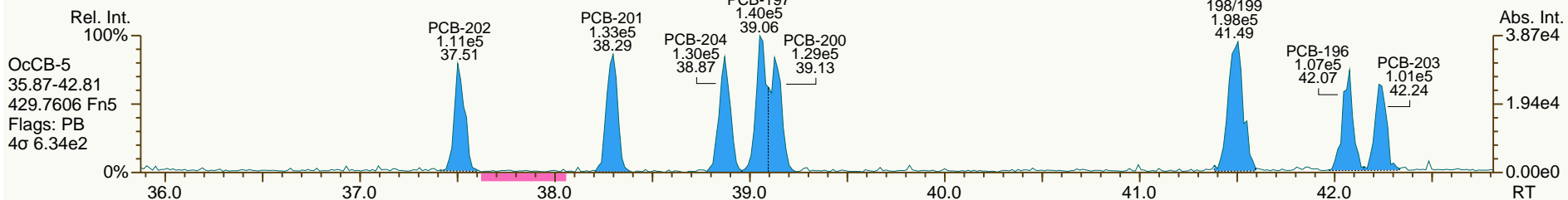
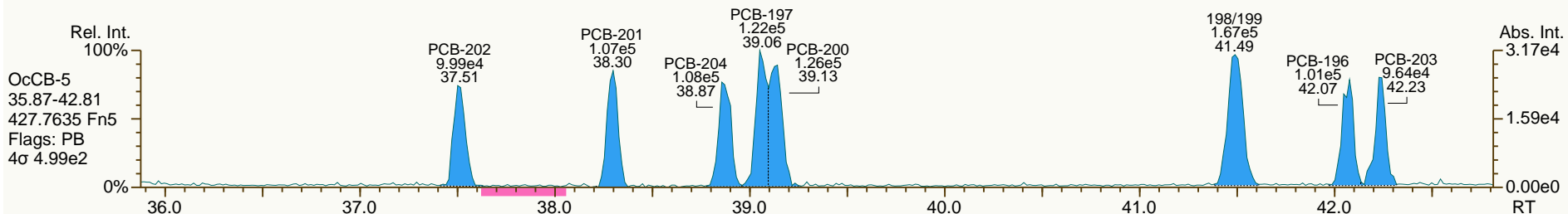
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

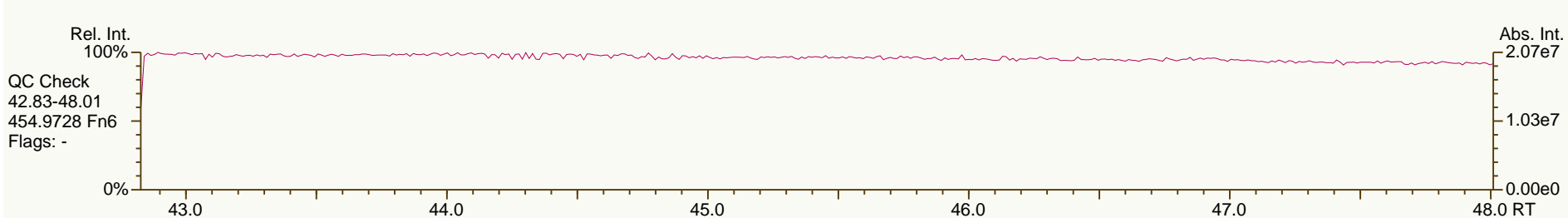
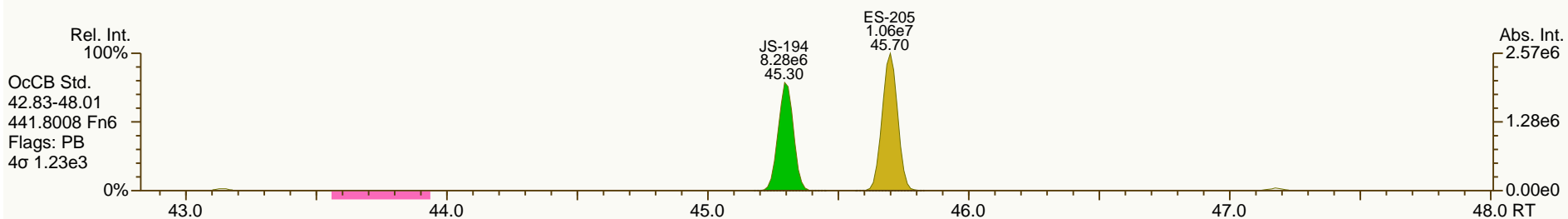
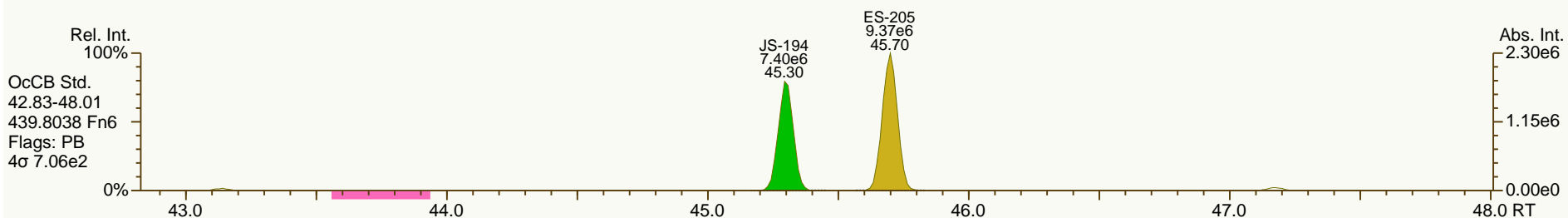
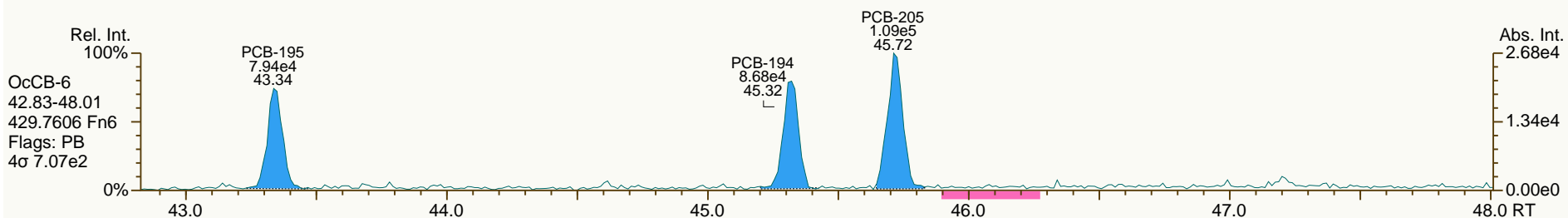
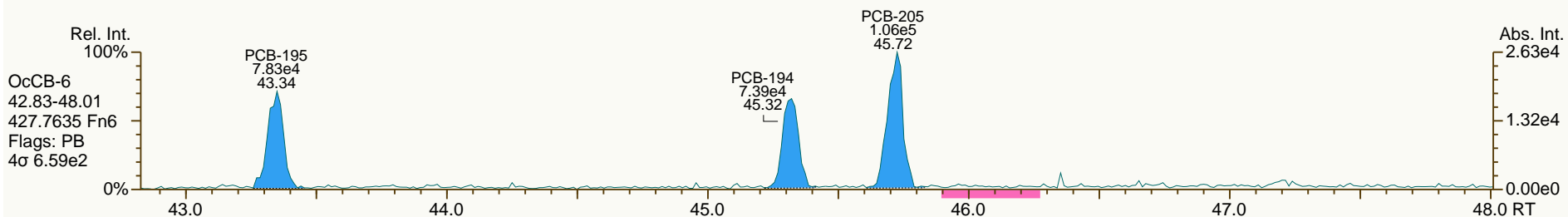
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

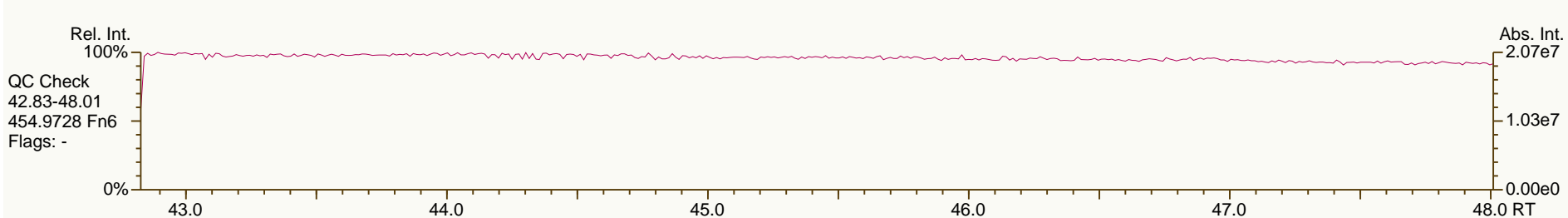
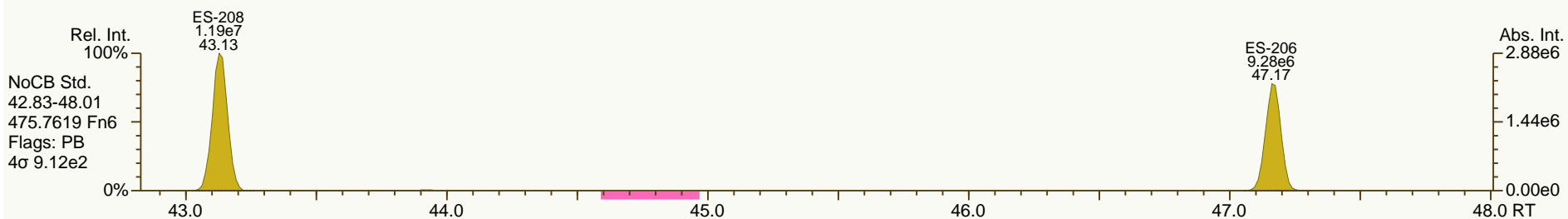
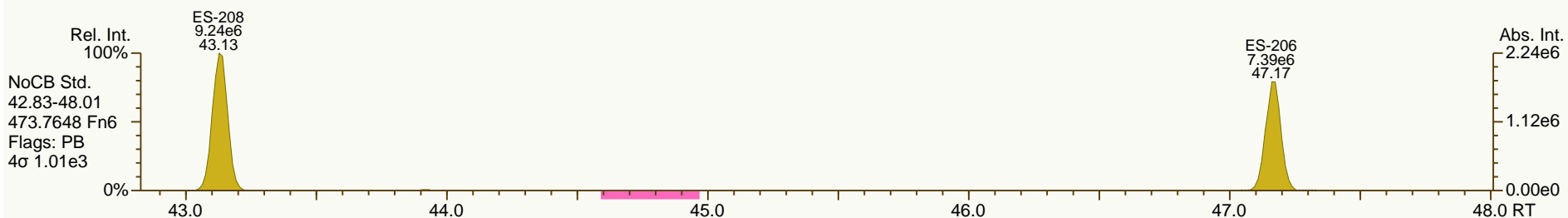
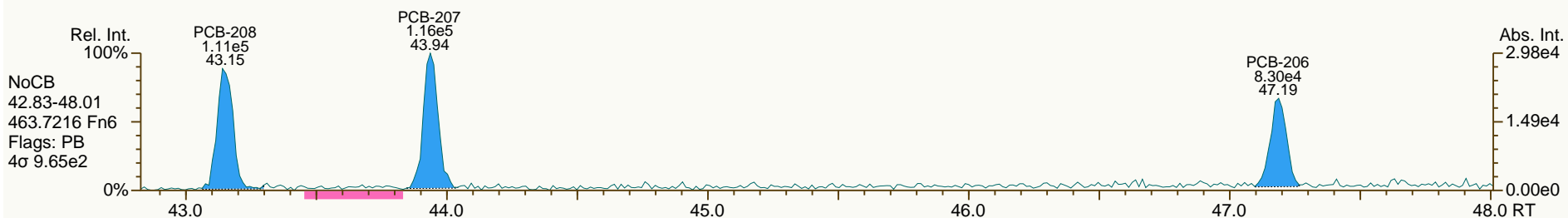
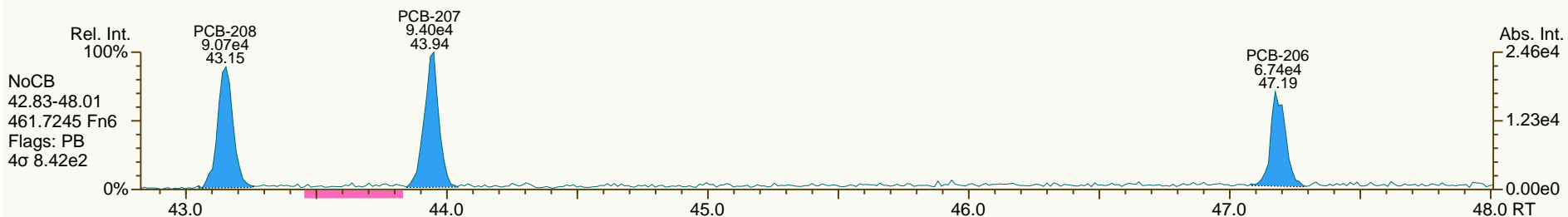
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

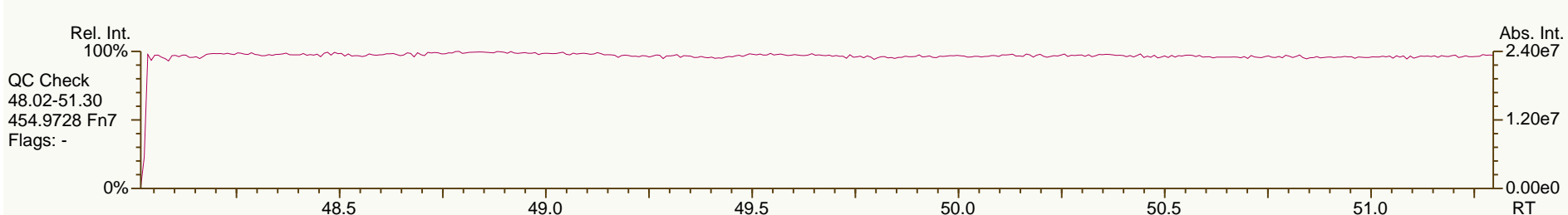
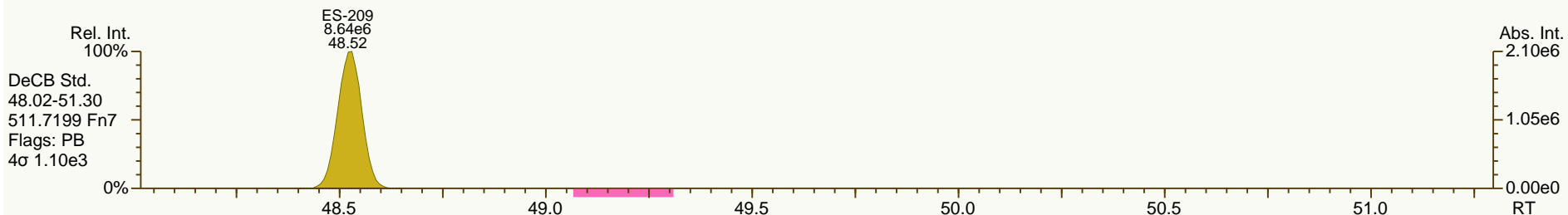
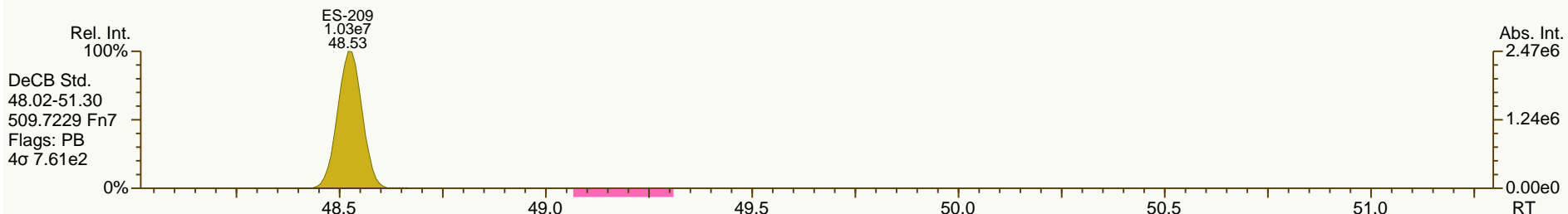
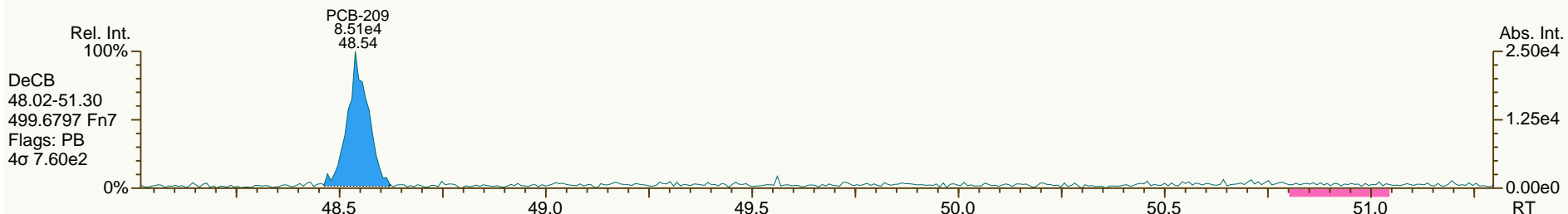
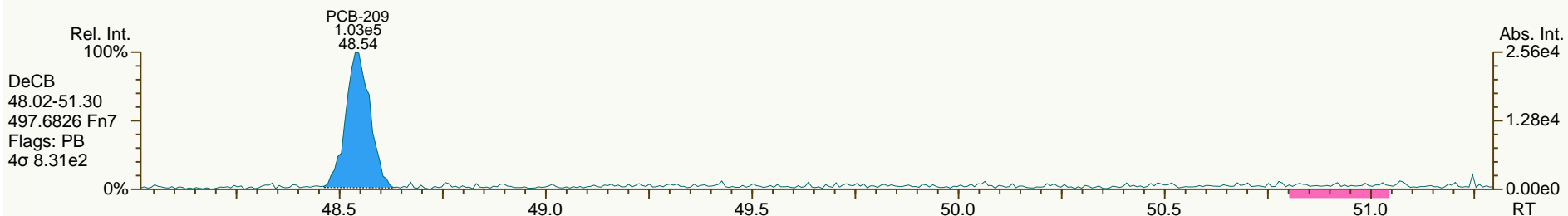
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 17:59							
Datafile:	120126S05							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.52	1.31E+06	0.77 Y	1.22	1.20	-2.4%		
PCB-81 344'5'-TeCB	30.05	1.24E+06	0.75 Y	1.24	1.20	-3.8%		
PCB-105 233'44'-PeCB	33.50	8.17E+05	0.64 Y	1.03	0.97	-6.0%		
PCB-114 2344'5'-PeCB	32.97	9.32E+05	0.62 Y	1.10	1.07	-2.5%		
PCB-118 23'44'5'-PeCB	32.52	8.41E+05	0.60 Y	1.03	0.95	-8.0%		
PCB-123 2'344'5'-PeCB	32.23	8.45E+05	0.61 Y	0.93	0.90	-2.3%		
PCB-126 33'44'5'-PeCB	36.12	1.02E+06	0.63 Y	1.11	1.09	-1.8%		
PCB-156/157 233'44'5'/233'44'5'	38.67	1.59E+06	1.24 Y	1.05	0.97	-7.3%		
PCB-167 23'44'55'-HxCB	37.71	8.63E+05	1.24 Y	1.08	1.06	-2.0%		
PCB-169 33'44'55'-HxCB	41.41	8.09E+05	1.28 Y	1.04	1.01	-3.5%		
PCB-189 233'44'55'-HpCB	43.55	9.71E+05	1.07 Y	1.11	1.07	-3.8%		
PCB-209 DeCB	48.55	6.02E+05	1.16 Y	1.05	0.99	-5.7%		
ES PCB-1	10.49	3.52E+07	3.13 Y	1.01	1.02	0.4%		
ES PCB-3	12.55	3.61E+07	3.22 Y	1.05	1.04	-1.0%		
ES PCB-4	12.77	2.39E+07	1.55 Y	0.70	0.69	-1.3%		
ES PCB-15	18.11	3.82E+07	1.61 Y	1.17	1.10	-6.0%		
ES PCB-19	15.61	1.92E+07	1.05 Y	0.57	0.55	-2.4%		
ES PCB-37	24.24	2.63E+07	1.08 Y	1.41	1.32	-6.8%		
ES PCB-54	18.36	2.70E+07	0.77 Y	1.32	1.35	2.0%		
ES PCB-77	30.51	2.19E+07	0.81 Y	1.22	1.09	-10.2%		
ES PCB-81	30.03	2.07E+07	0.80 Y	1.15	1.04	-9.9%		
ES PCB-104	23.19	2.64E+07	1.58 Y	1.69	1.80	6.8%		
ES PCB-105	33.48	1.69E+07	1.58 Y	1.21	1.16	-4.2%		
ES PCB-114	32.94	1.74E+07	1.62 Y	1.23	1.19	-3.5%		
ES PCB-118	32.49	1.77E+07	1.54 Y	1.25	1.21	-3.0%		
ES PCB-123	32.21	1.87E+07	1.59 Y	1.33	1.28	-3.7%		
ES PCB-126	36.10	1.87E+07	1.61 Y	1.36	1.28	-6.0%		
ES PCB-153	34.09	1.58E+07	1.30 Y	1.09	1.08	-0.1%		
ES PCB-155	28.10	2.15E+07	1.22 Y	1.40	1.48	5.3%		
ES PCB-156/157	38.65	3.28E+07	1.27 Y	1.13	1.13	-0.5%		
ES PCB-167	37.69	1.63E+07	1.26 Y	1.13	1.12	-1.0%		
ES PCB-169	41.39	1.61E+07	1.27 Y	1.14	1.10	-3.5%		
ES PCB-170	40.89	1.26E+07	1.04 Y	1.23	1.21	-1.6%		
ES PCB-180	39.84	1.52E+07	1.09 Y	1.46	1.46	-0.6%		
ES PCB-188	32.95	1.96E+07	1.04 Y	1.34	1.35	0.4%		
ES PCB-189	43.53	1.82E+07	1.05 Y	1.77	1.75	-1.0%		
ES PCB-202	37.49	1.85E+07	0.92 Y	1.27	1.27	-0.3%		
ES PCB-205	45.70	1.27E+07	0.88 Y	1.25	1.22	-2.1%		
ES PCB-206	47.17	1.10E+07	0.78 Y	1.07	1.06	-1.1%		
ES PCB-208	43.13	1.39E+07	0.78 Y	1.34	1.34	-0.1%		
ES PCB-209	48.53	1.22E+07	1.21 Y	1.18	1.17	-1.2%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	2.72E+07	1.08 Y	0.98	1.03	5.3%	
SS PCB-111	30.57	1.72E+07	1.57 Y	0.90	0.92	2.5%	
SS PCB-178	35.53	1.27E+07	1.03 Y	0.65	0.65	-0.3%	
CS PCB-28	20.78	2.72E+07	1.08 Y	1.39	1.36	-1.8%	
CS PCB-111	30.57	1.72E+07	1.57 Y	1.19	1.18	-1.3%	
CS PCB-178	35.53	1.27E+07	1.03 Y	0.87	0.87	0.1%	
JS PCB-9	14.60	3.47E+07	1.62 Y	-	-	-	
JS PCB-52	22.37	2.00E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	1.46E+07	1.59 Y	-	-	-	
JS PCB-138	35.13	1.46E+07	1.25 Y	-	-	-	
JS PCB-194	45.30	1.04E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.50	2.03E+06	3.16 Y	1.20	1.15	-3.7%	
PCB-3 4-MoCB	12.56	2.01E+06	3.19 Y	1.13	1.11	-1.7%	
PCB-4 22'-DiCB	12.78	1.12E+06	0.00 S	0.94	0.94	-0.9%	
PCB-15 44'-DiCB	18.12	1.94E+06	1.45 Y	1.01	1.02	1.3%	
PCB-19 22'6-TrCB	15.63	9.39E+05	1.05 Y	1.01	0.98	-3.2%	
PCB-37 344'-TrCB	24.26	1.54E+06	1.00 Y	1.20	1.17	-2.1%	
PCB-54 22'66'-TeCB	18.38	1.25E+06	0.81 Y	0.93	0.93	-0.3%	
PCB-104 22'466'-PeCB	23.21	1.15E+06	0.62 Y	0.92	0.87	-5.1%	
PCB-153 22'44'55' -HxCB	34.13	1.72E+06	1.21 Y	1.15	1.09	-5.0%	
PCB-155 22'44'66'-HxCB	28.12	1.11E+06	1.28 Y	1.06	1.03	-2.5%	
PCB-170 22'33'44'5-HpCB	40.91	6.07E+05	1.05 Y	1.00	0.96	-3.6%	
PCB-180 22'344'55'-HpCB	39.83	1.49E+06	1.12 Y	1.01	0.98	-2.9%	
PCB-188 22'34'566'-HpCB	32.97	1.04E+06	1.10 Y	1.07	1.06	-0.8%	
PCB-202 22'33'55'66'-OcCB	37.51	7.40E+05	0.89 Y	0.83	0.80	-3.0%	
PCB-205 233'44'55'6-OcCB	45.72	6.65E+05	0.86 Y	1.09	1.04	-4.4%	
PCB-208 22'33'455'66'-NoCB	43.15	6.40E+05	0.82 Y	0.98	0.92	-5.7%	
PCB-206 22'33'44'55'6-NoCB	47.19	4.98E+05	0.79 Y	0.93	0.91	-3.0%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	2.03E+06	3.16 Y	1.20	1.15	-3.7%	
PCB-2 3-MoCB	12.39	2.01E+06	3.17 Y	1.13	1.11	-1.5%	
PCB-3 4-MoCB	12.56	2.01E+06	3.19 Y	1.13	1.11	-1.7%	
PCB-4 22'-DiCB	12.78	1.12E+06	0.00 S	0.94	0.94	-0.9%	
PCB-10 26-DiCB	12.95	1.71E+06	1.49 Y	1.43	1.43	0.2%	
PCB-9 25-DiCB	14.62	1.72E+06	1.52 Y	0.87	0.90	3.8%	
PCB-7 24-DiCB	14.77	2.10E+06	1.33 Y	1.00	1.10	9.5%	
PCB-6 23'-DiCB	14.98	1.91E+06	1.40 Y	0.94	1.00	6.8%	
PCB-5 23-DiCB	15.25	1.87E+06	1.37 Y	0.92	0.98	6.4%	
PCB-8 24'-DiCB	15.37	1.88E+06	1.50 Y	0.95	0.99	3.9%	
PCB-14 35-DiCB	16.84	2.10E+06	1.49 Y	1.09	1.10	0.4%	
PCB-11 33'-DiCB	17.58	1.81E+06	1.47 Y	0.98	0.95	-2.8%	
PCB-13/12 34'-/34-DiCB	17.85	3.64E+06	1.53 Y	0.97	0.95	-1.7%	
PCB-15 44'-DiCB	18.12	1.94E+06	1.45 Y	1.01	1.02	1.3%	
PCB-19 22'6-TrCB	15.63	9.39E+05	1.05 Y	1.01	0.98	-3.2%	
PCB-30/18 246-/22'5-TrCB	17.30	2.43E+06	1.04 Y	1.29	1.27	-1.9%	
PCB-17 22'4-TrCB	17.68	1.06E+06	1.03 Y	1.14	1.11	-2.6%	
PCB-27 23'6-TrCB	17.87	1.35E+06	1.05 Y	1.48	1.41	-5.0%	
PCB-24 236-TrCB	17.99	1.32E+06	1.03 Y	1.43	1.38	-3.6%	
PCB-16 22'3-TrCB	18.07	8.34E+05	1.07 Y	0.89	0.87	-2.7%	
PCB-32 24'6-TrCB	18.54	1.45E+06	1.10 Y	1.56	1.51	-2.8%	
PCB-34 2'35-TrCB	19.66	1.59E+06	1.12 Y	1.18	1.21	2.5%	
PCB-23 235-TrCB	19.80	1.61E+06	1.04 Y	1.19	1.23	3.5%	
PCB-26/29 23'5-/245-TrCB	20.08	3.27E+06	1.04 Y	1.20	1.24	3.6%	
PCB-25 23'4-TrCB	20.27	1.63E+06	1.03 Y	1.19	1.24	4.1%	
PCB-31 24'5-TrCB	20.54	1.65E+06	1.08 Y	1.23	1.25	2.4%	
PCB-28/20 244'-/233'-TrCB	20.81	3.19E+06	1.05 Y	1.18	1.21	2.7%	
PCB-21/33 234-/2'34-TrCB	20.97	3.26E+06	1.02 Y	1.21	1.24	2.2%	
PCB-22 234'-TrCB	21.34	1.49E+06	1.04 Y	1.11	1.13	1.5%	
PCB-36 33'5-TrCB	22.71	1.60E+06	1.03 Y	1.21	1.22	0.4%	
PCB-39 34'5-TrCB	23.02	1.68E+06	1.04 Y	1.32	1.28	-2.8%	
PCB-38 345-TrCB	23.52	1.50E+06	1.03 Y	1.15	1.14	-1.3%	
PCB-35 33'4-TrCB	23.91	1.47E+06	1.05 Y	1.13	1.12	-1.5%	
PCB-37 344'-TrCB	24.26	1.54E+06	1.00 Y	1.20	1.17	-2.1%	
PCB-54 22'66'-TeCB	18.38	1.25E+06	0.81 Y	0.93	0.93	-0.3%	
PCB-50/53 22'46-/22'56'TeCB	20.31	1.86E+06	0.78 Y	0.83	0.90	7.6%	
PCB-45 22'36'-TeCB	20.86	8.01E+05	0.79 Y	0.71	0.77	9.5%	
PCB-51 22'46'-TeCB	20.94	9.75E+05	0.79 Y	0.88	0.94	7.1%	
PCB-46 22'36'-TeCB	21.13	7.73E+05	0.80 Y	0.69	0.75	7.3%	
PCB-52 22'55'-TeCB	22.39	8.95E+05	0.78 Y	0.80	0.86	7.5%	
PCB-73 23'5'6TeCB	22.51	1.14E+06	0.77 Y	1.03	1.10	6.0%	
PCB-43 22'35'-TeCB	22.60	7.49E+05	0.78 Y	0.71	0.72	2.3%	
PCB-69/49 23'46-/22'45'TeCB	22.80	2.07E+06	0.78 Y	0.96	1.00	4.0%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.06	9.04E+05	0.82 Y	0.84	0.87	4.4%	
PCB-44/47/65 22'35'-/22'44'-	23.27	2.76E+06	0.77 Y	0.86	0.89	3.4%	
PCB-59/62/75 233'6'-/2346-/24	23.54	3.56E+06	0.77 Y	1.09	1.14	4.7%	
PCB-42 22'34'-TeCB	23.70	8.16E+05	0.78 Y	0.77	0.79	2.8%	
PCB-41 22'34'-TeCB	24.02	7.90E+05	0.77 Y	0.73	0.76	5.0%	
PCB-71/40 23'4'6/22'33'-TeCB	24.12	1.76E+06	0.76 Y	0.81	0.85	4.2%	
PCB-64 234'6'-TeCB	24.32	1.25E+06	0.80 Y	1.17	1.20	2.9%	
PCB-72 23'55'-TeCB	25.06	1.33E+06	0.76 Y	1.25	1.28	2.5%	
PCB-68 23'45'-TeCB	25.30	1.42E+06	0.77 Y	1.36	1.37	0.7%	
PCB-57 233'5'-TeCB	25.66	1.31E+06	0.78 Y	1.22	1.26	3.2%	
PCB-58 233'5'-TeCB	25.86	1.31E+06	0.77 Y	1.26	1.26	0.3%	
PCB-67 23'45'-TeCB	26.01	1.29E+06	0.73 Y	1.27	1.25	-2.3%	
PCB-63 234'5'-TeCB	26.23	1.39E+06	0.80 Y	1.34	1.34	0.2%	
PCB-61/70/74/76 2345-/23'4'5	26.52	5.17E+06	0.78 Y	1.24	1.25	0.2%	
PCB-66 23'44'-TeCB	26.79	1.26E+06	0.77 Y	1.19	1.21	2.0%	
PCB-55 233'4'-TeCB	26.93	1.24E+06	0.81 Y	1.22	1.20	-1.5%	
PCB-56 233'4'-TeCB	27.36	1.22E+06	0.79 Y	1.18	1.18	0.2%	
PCB-60 2344'-TeCB	27.55	1.28E+06	0.78 Y	1.24	1.24	0.0%	
PCB-80 33'55'-TeCB	27.92	1.43E+06	0.77 Y	1.37	1.38	0.3%	
PCB-79 33'45'-TeCB	29.21	1.39E+06	0.79 Y	1.37	1.34	-2.0%	
PCB-78 33'45'-TeCB	29.68	1.21E+06	0.82 Y	1.19	1.16	-2.5%	
PCB-104 22'466'-PeCB	23.21	1.15E+06	0.62 Y	0.92	0.87	-5.1%	
PCB-96 22'366'-PeCB	23.51	1.05E+06	0.63 Y	0.81	0.80	-1.7%	
PCB-103 22'45'6'-PeCB	25.21	7.60E+05	0.61 Y	0.78	0.81	4.9%	
PCB-94 22'356'-PeCB	25.39	6.83E+05	0.62 Y	0.71	0.73	2.6%	
PCB-95 22'35'6'-PeCB	25.76	7.07E+05	0.60 Y	0.74	0.76	2.0%	
PCB-100/93 22'44'6-/22'356-P	25.97	1.42E+06	0.59 Y	0.75	0.76	2.2%	
PCB-102 22'456'-PeCB	26.08	6.98E+05	0.62 Y	0.75	0.75	-0.2%	
PCB-98 22'3'46'-PeCB	26.14	6.85E+05	0.65 Y	0.71	0.73	3.1%	
PCB-88 22'346'-PeCB	26.43	6.20E+05	0.60 Y	0.66	0.66	-0.2%	
PCB-91 22'34'6'-PeCB	26.50	7.68E+05	0.65 Y	0.84	0.82	-2.1%	
PCB-84 22'33'6'-PeCB	26.68	6.38E+05	0.63 Y	0.65	0.68	5.0%	
PCB-89 22'346'-PeCB	27.09	6.46E+05	0.64 Y	0.69	0.69	0.5%	
PCB-121 23'45'6'-PeCB	27.48	9.22E+05	0.60 Y	0.98	0.99	0.3%	
PCB-92 22'355'-PeCB	27.79	6.72E+05	0.63 Y	0.72	0.72	0.5%	
PCB-113/90/101 233'5'6-/22'3	28.27	2.26E+06	0.62 Y	0.81	0.81	-0.2%	
PCB-83 22'33'5'-PeCB	28.68	5.55E+05	0.62 Y	0.62	0.59	-4.6%	
PCB-99 22'44'5'-PeCB	28.79	7.32E+05	0.61 Y	0.76	0.78	2.4%	
PCB-112 233'56'-PeCB	28.88	8.90E+05	0.61 Y	0.96	0.95	-1.2%	
PCB-108/119/86/97/125/87 233	29.22	4.63E+06	0.61 Y	0.83	0.83	0.0%	
PCB-117 234'56'-PeCB	29.76	8.97E+05	0.59 Y	0.94	0.96	2.1%	
PCB-116/85 23456-/22'344'-Pe	29.83	1.46E+06	0.60 Y	0.81	0.78	-3.2%	
PCB-110 233'4'6'-PeCB	29.96	8.57E+05	0.60 Y	0.92	0.92	-0.4%	

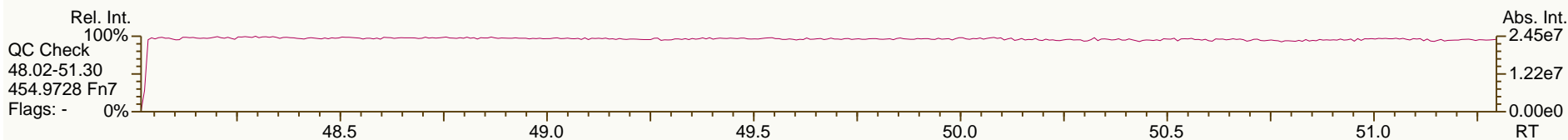
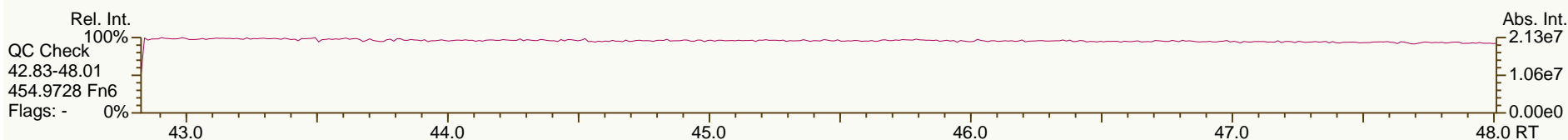
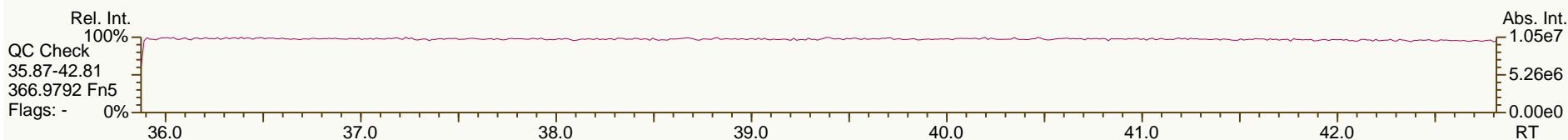
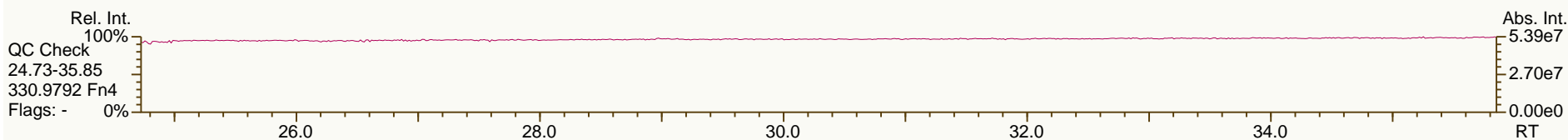
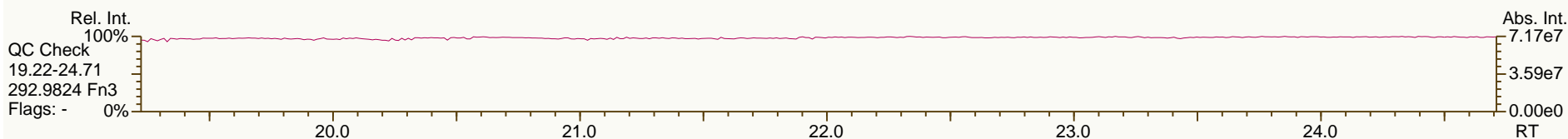
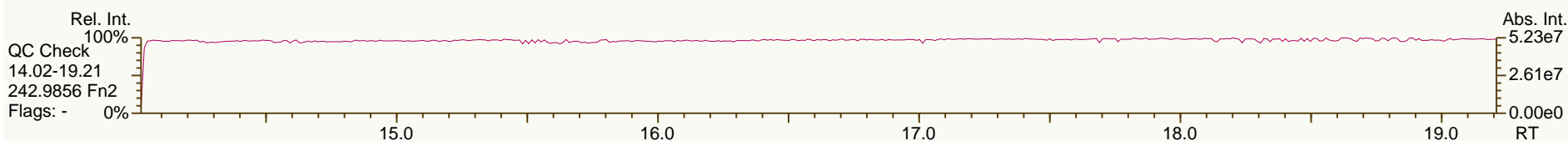
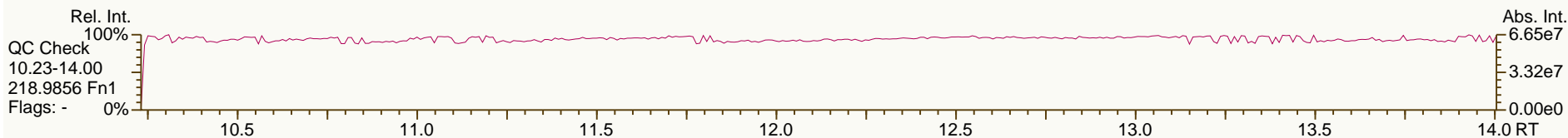
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.04	8.56E+05	0.59 Y	0.95	0.92	-3.4%	
PCB-82 22'33'4-PeCB	30.22	5.53E+05	0.58 Y	0.62	0.59	-3.9%	
PCB-111 233'55'-PeCB	30.59	8.62E+05	0.62 Y	0.98	0.92	-6.4%	
PCB-120 23'455'-PeCB	30.98	9.15E+05	0.62 Y	0.99	0.98	-1.3%	
PCB-107/124 233'4'5-/2'3455'	31.93	1.66E+06	0.59 Y	0.92	0.89	-3.6%	
PCB-109 233'46-PeCB	32.14	8.97E+05	0.62 Y	1.00	0.96	-3.5%	
PCB-106 233'45-PeCB	32.34	8.58E+05	0.60 Y	0.96	0.92	-4.6%	
PCB-122 2'33'45-PeCB	32.80	7.90E+05	0.59 Y	0.93	0.91	-2.2%	
PCB-127 33'455'-PeCB	34.77	8.49E+05	0.62 Y	1.04	1.00	-3.5%	
PCB-155 22'44'66'-HxCB	28.12	1.11E+06	1.28 Y	1.06	1.03	-2.5%	
PCB-152 22'3566'-HxCB	28.25	1.03E+06	1.24 Y	0.98	0.96	-2.2%	
PCB-150 22'34'66'-HxCB	28.40	1.03E+06	1.15 Y	0.99	0.96	-2.8%	
PCB-136 22'33'66'-HxCB	28.69	9.37E+05	1.22 Y	0.92	0.87	-5.3%	
PCB-145 22'3466'HxCB	28.96	9.47E+05	1.19 Y	0.94	0.88	-6.2%	
PCB-148 22'34'56'-HxCB	30.26	7.33E+05	1.27 Y	0.95	0.93	-2.0%	
PCB-151/135 22'355'6-/22'33'	30.77	1.43E+06	1.16 Y	0.92	0.90	-1.5%	
PCB-154 22'44'5'6-HxCB	30.99	7.83E+05	1.19 Y	1.01	0.99	-2.3%	
PCB-144 22'345'6-HxCB	31.24	7.47E+05	1.23 Y	0.93	0.95	1.6%	
PCB-147/149 22'34'56-/22'34'	31.54	1.48E+06	1.27 Y	0.94	0.94	0.1%	
PCB-134 22'33'56-HxCB	31.70	6.02E+05	1.20 Y	0.78	0.76	-2.7%	
PCB-143 22'3456'-HxCB	31.78	6.93E+05	1.19 Y	0.90	0.88	-2.0%	
PCB-139/140 22'344'6-/22'344'	32.05	1.45E+06	1.27 Y	0.95	0.92	-3.0%	
PCB-131 22'33'46-HxCB	32.21	6.36E+05	1.28 Y	0.84	0.81	-3.7%	
PCB-142 22'3456-HxCB	32.35	6.49E+05	1.24 Y	0.87	0.82	-5.6%	
PCB-132 22'33'46'-HxCB	32.59	6.56E+05	1.32 Y	0.88	0.83	-5.1%	
PCB-133 22'33'55'-HxCB	33.04	6.71E+05	1.24 Y	0.89	0.85	-4.4%	
PCB-165 233'55'6-HxCB	33.38	7.89E+05	1.17 Y	1.06	1.00	-6.1%	
PCB-146 22'34'55'-HxCB	33.59	7.33E+05	1.29 Y	0.94	0.93	-1.6%	
PCB-161 233'45'6-HxCB	33.71	9.30E+05	1.19 Y	1.20	1.18	-1.6%	
PCB-153/168 22'44'55'-/23'44'	34.13	1.72E+06	1.21 Y	1.15	1.09	-5.0%	
PCB-141 22'3455'-HxCB	34.27	7.01E+05	1.16 Y	0.91	0.89	-2.7%	
PCB-130 22'33'45'-HxCB	34.61	6.17E+05	1.19 Y	0.82	0.78	-4.8%	
PCB-137 22'344'5-HxCB	34.80	6.85E+05	1.24 Y	1.00	0.87	-13.5%	
PCB-164 233'4'5'6-HxCB	34.89	9.11E+05	1.21 Y	1.14	1.15	1.5%	
PCB-163/138/129 233'4'56-/22'	35.17	2.26E+06	1.23 Y	0.98	0.96	-2.9%	
PCB-160 233'456-HxCB	35.30	8.47E+05	1.22 Y	1.14	1.07	-6.1%	
PCB-158 233'44'6-HxCB	35.49	9.25E+05	1.18 Y	1.24	1.17	-5.8%	
PCB-128/166 22'33'44'-/2344'5	36.21	1.34E+06	1.27 Y	0.86	0.82	-5.1%	
PCB-159 233'455'-HxCB	37.07	8.08E+05	1.31 Y	1.03	0.99	-3.5%	
PCB-162 233'4'55'-HxCB	37.31	7.77E+05	1.22 Y	1.04	0.95	-8.3%	
PCB-188 22'34'566'-HpCB	32.97	1.04E+06	1.10 Y	1.07	1.06	-0.8%	
PCB-179 22'33'566'-HpCB	33.24	9.63E+05	0.99 Y	0.98	0.98	0.5%	
PCB-184 22'344'66'-HpCB	33.71	9.33E+05	1.07 Y	0.97	0.95	-2.1%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
Lab ID:	CS2_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	1.04E+06	1.12 Y	1.06	1.06	-0.3%	
PCB-186 22'34566'-HpCB	34.38	9.54E+05	1.02 Y	1.02	0.97	-4.3%	
PCB-178 22'33'55'6'-HpCB	35.55	7.11E+05	1.08 Y	0.77	0.73	-6.0%	
PCB-175 22'33'45'6'-HpCB	36.09	6.30E+05	0.98 Y	0.89	0.83	-6.9%	
PCB-187 22'34'55'6'-HpCB	36.32	6.73E+05	1.04 Y	0.94	0.89	-5.1%	
PCB-182 22'344'56'-HpCB	36.49	6.82E+05	0.99 Y	0.95	0.90	-5.3%	
PCB-183 22'344'5'6'-HpCB	36.84	6.44E+05	0.99 Y	0.96	0.85	-11.2%	
PCB-185 22'3455'6'-HpCB	36.91	6.92E+05	1.00 Y	0.93	0.91	-1.9%	
PCB-174 22'33'456'-HpCB	37.02	6.02E+05	1.06 Y	0.80	0.79	-0.8%	
PCB-177 22'33'4'56'-HpCB	37.39	5.78E+05	0.99 Y	0.82	0.76	-6.5%	
PCB-181 22'344'56'-HpCB	37.74	6.54E+05	1.09 Y	0.91	0.86	-5.6%	
PCB-171/173 22'33'44'6'-/22'3	37.92	1.16E+06	1.03 Y	0.81	0.77	-5.6%	
PCB-172 22'33'455'-HpCB	39.31	5.98E+05	1.05 Y	0.83	0.79	-4.6%	
PCB-192 233'455'6'-HpCB	39.55	7.68E+05	1.04 Y	1.09	1.01	-7.3%	
PCB-180/193 22'344'55'-/233'	39.83	1.49E+06	1.12 Y	1.01	0.98	-2.9%	
PCB-191 233'44'5'6'-HpCB	40.15	8.05E+05	1.06 Y	1.13	1.06	-6.3%	
PCB-170 22'33'44'5'-HpCB	40.91	6.07E+05	1.05 Y	1.00	0.96	-3.6%	
PCB-190 233'44'56'-HpCB	41.36	8.06E+05	1.05 Y	1.35	1.28	-5.6%	
PCB-202 22'33'55'66'-OcCB	37.51	7.40E+05	0.89 Y	0.83	0.80	-3.0%	
PCB-201 22'33'45'66'-OcCB	38.29	8.45E+05	0.85 Y	0.93	0.92	-1.1%	
PCB-204 22'344'566'-OcCB	38.87	7.91E+05	0.86 Y	0.89	0.86	-3.8%	
PCB-197 22'33'44'66'-OcCB	39.06	7.81E+05	0.86 Y	0.91	0.85	-7.2%	
PCB-200 22'33'4566'-OcCB	39.14	8.15E+05	0.89 Y	0.93	0.88	-4.9%	
PCB-198/199 22'33'455'6'-/22'	41.49	1.21E+06	0.85 Y	0.68	0.66	-3.9%	
PCB-196 22'33'44'56'-OcCB	42.07	6.21E+05	0.86 Y	0.72	0.67	-6.2%	
PCB-203 22'344'55'6'-OcCB	42.24	6.60E+05	0.87 Y	0.74	0.71	-3.0%	
PCB-195 22'33'44'56'-OcCB	43.34	5.02E+05	0.86 Y	0.81	0.79	-2.8%	
PCB-194 22'33'44'55'-OcCB	45.32	5.38E+05	0.85 Y	0.86	0.84	-1.5%	
PCB-205 233'44'55'6'-OcCB	45.72	6.65E+05	0.86 Y	1.09	1.04	-4.4%	
PCB-208 22'33'455'66'-NoCB	43.15	6.40E+05	0.82 Y	0.98	0.92	-5.7%	
PCB-207 22'33'44'566'-NoCB	43.94	6.79E+05	0.74 Y	1.02	0.98	-3.9%	
PCB-206 22'33'44'55'6'-NoCB	47.19	4.98E+05	0.79 Y	0.93	0.91	-3.0%	

AP Lab ID: CS2_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

Acq: 26-Jan-2012 17:59:45
User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

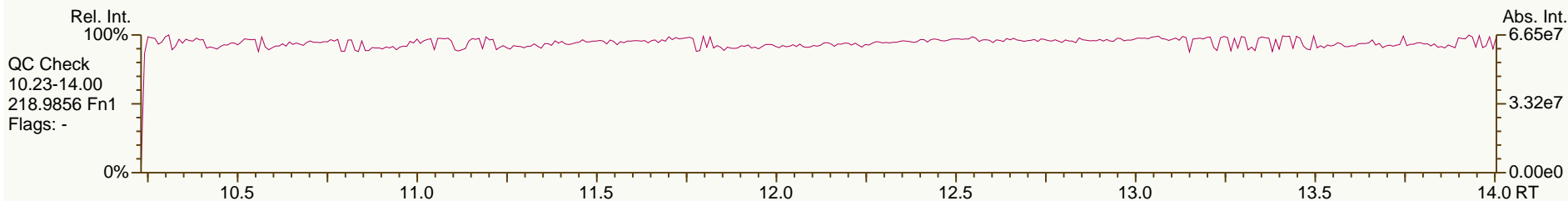
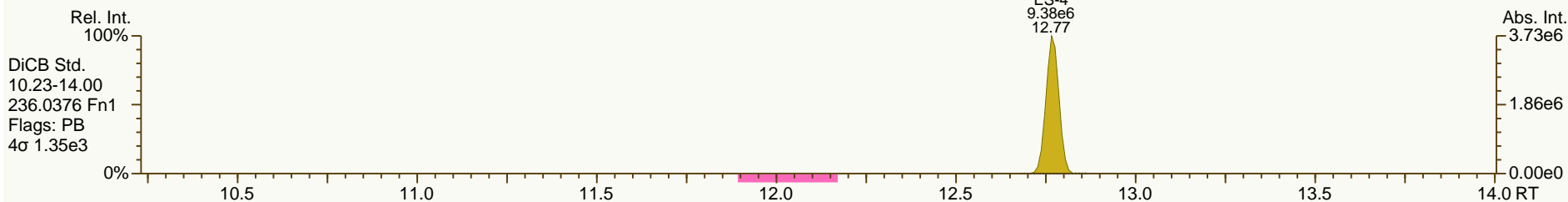
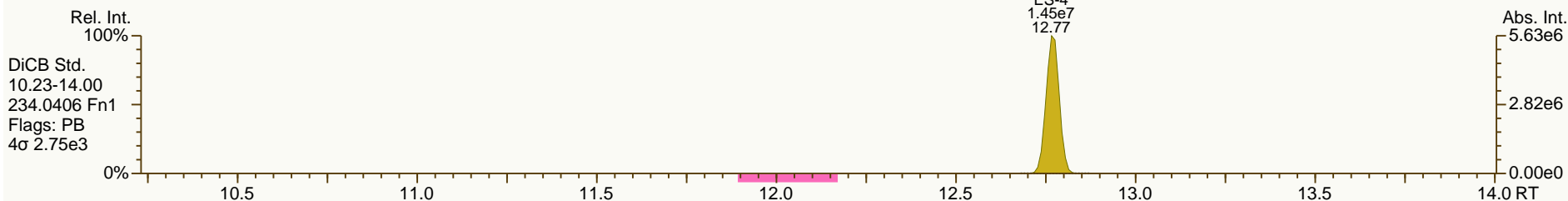
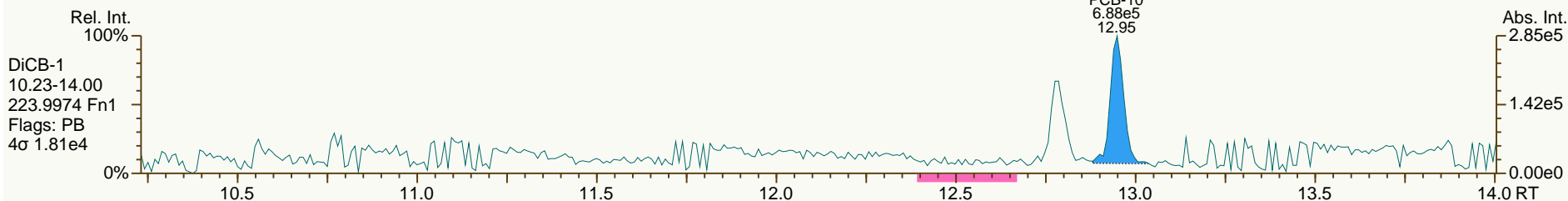
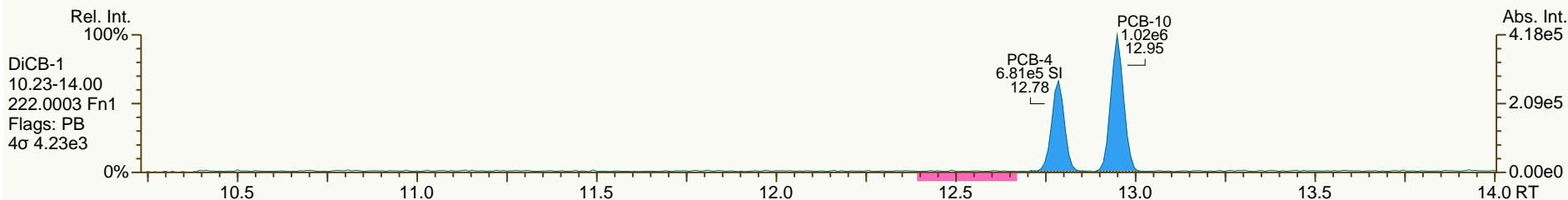
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

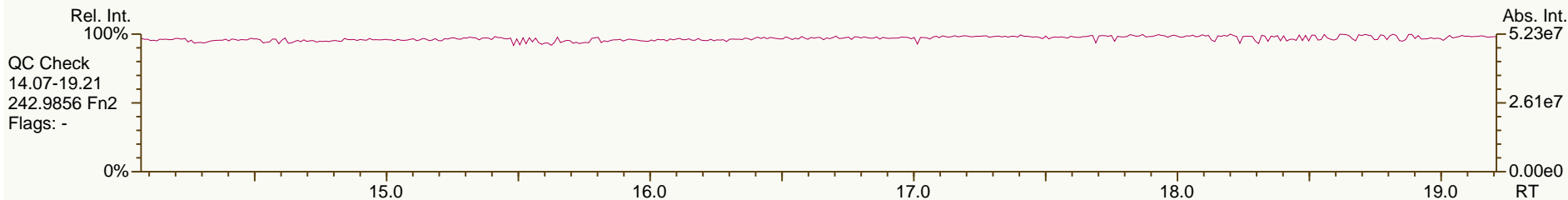
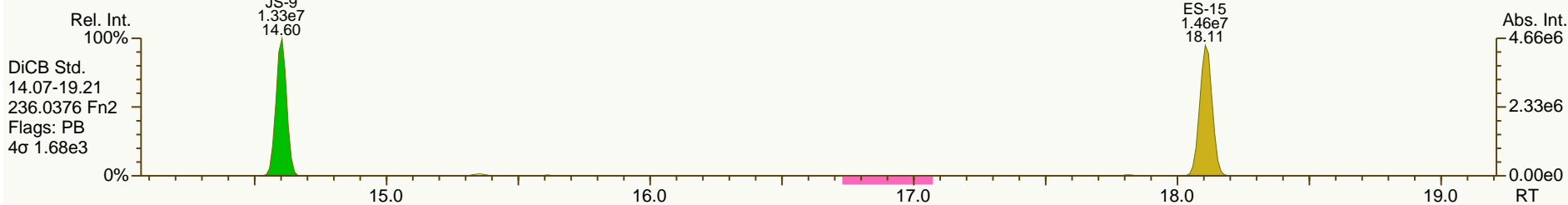
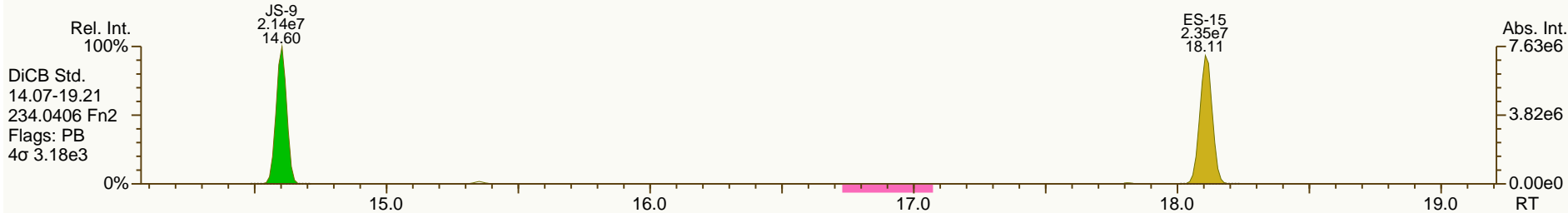
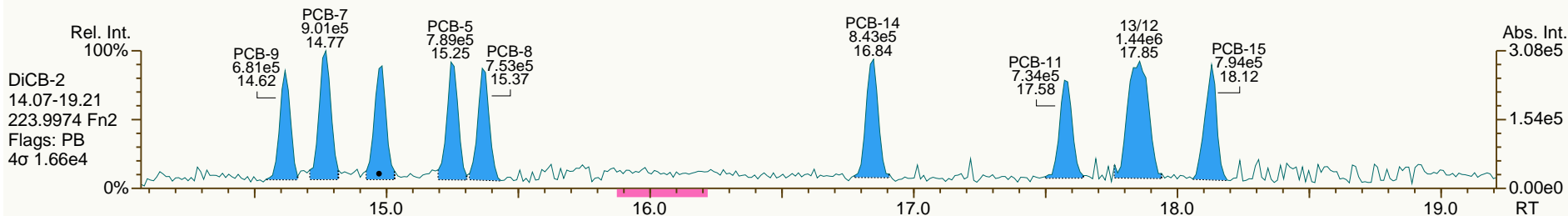
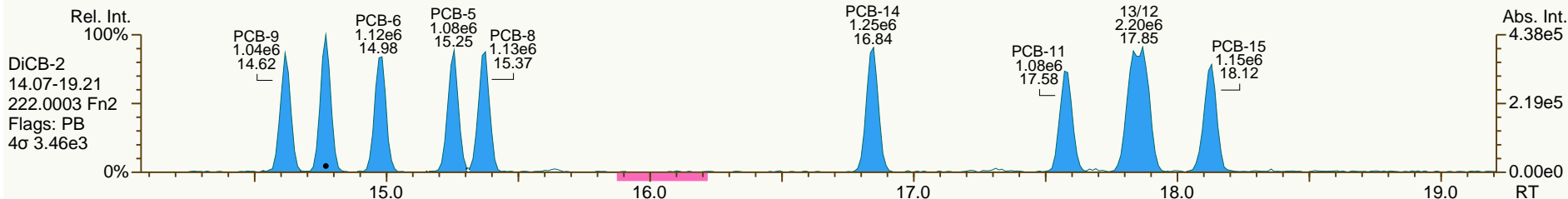
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

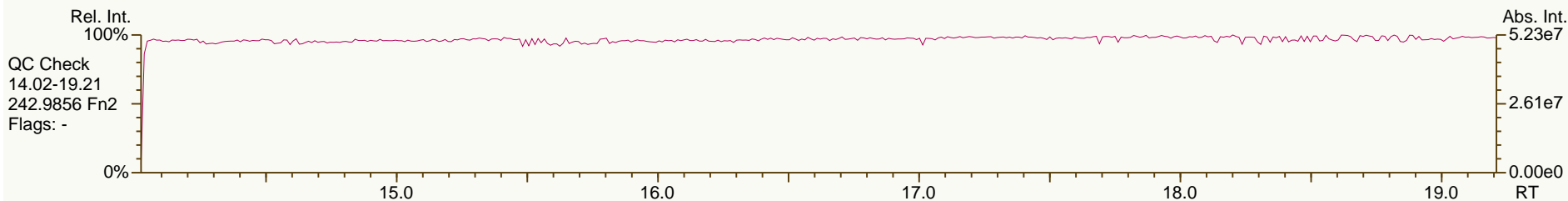
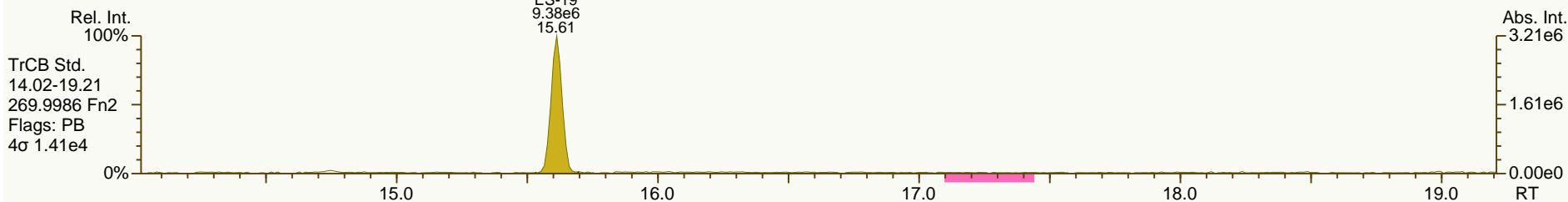
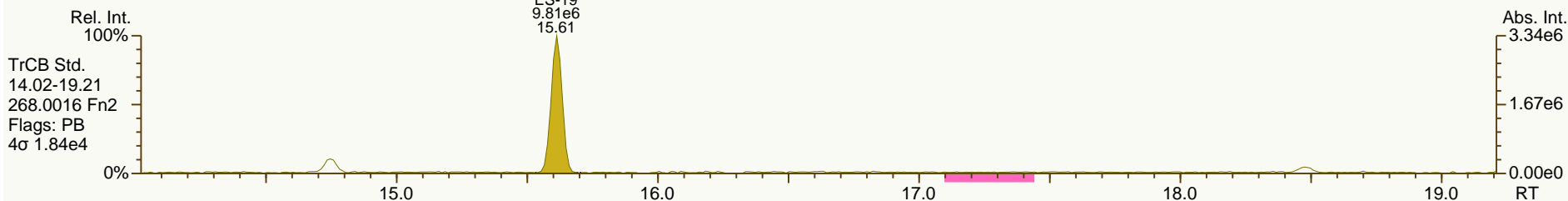
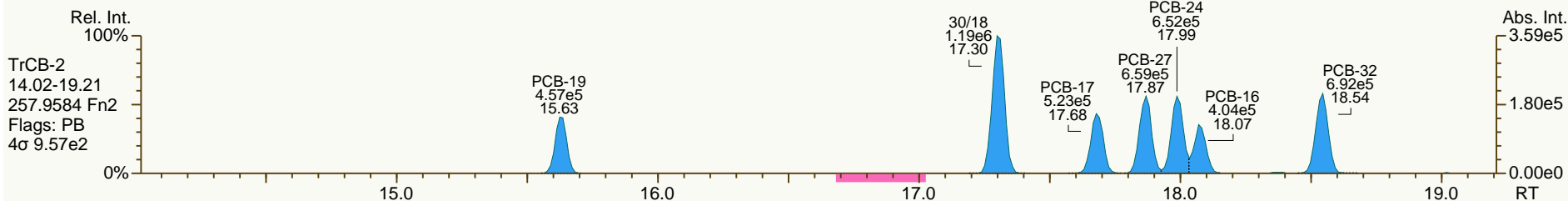
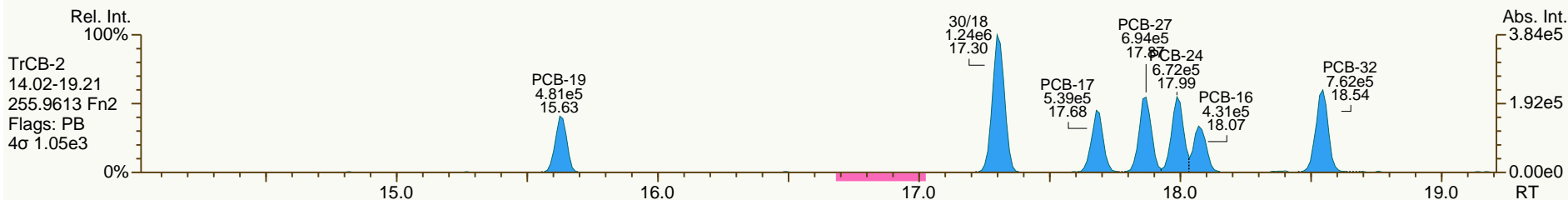
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

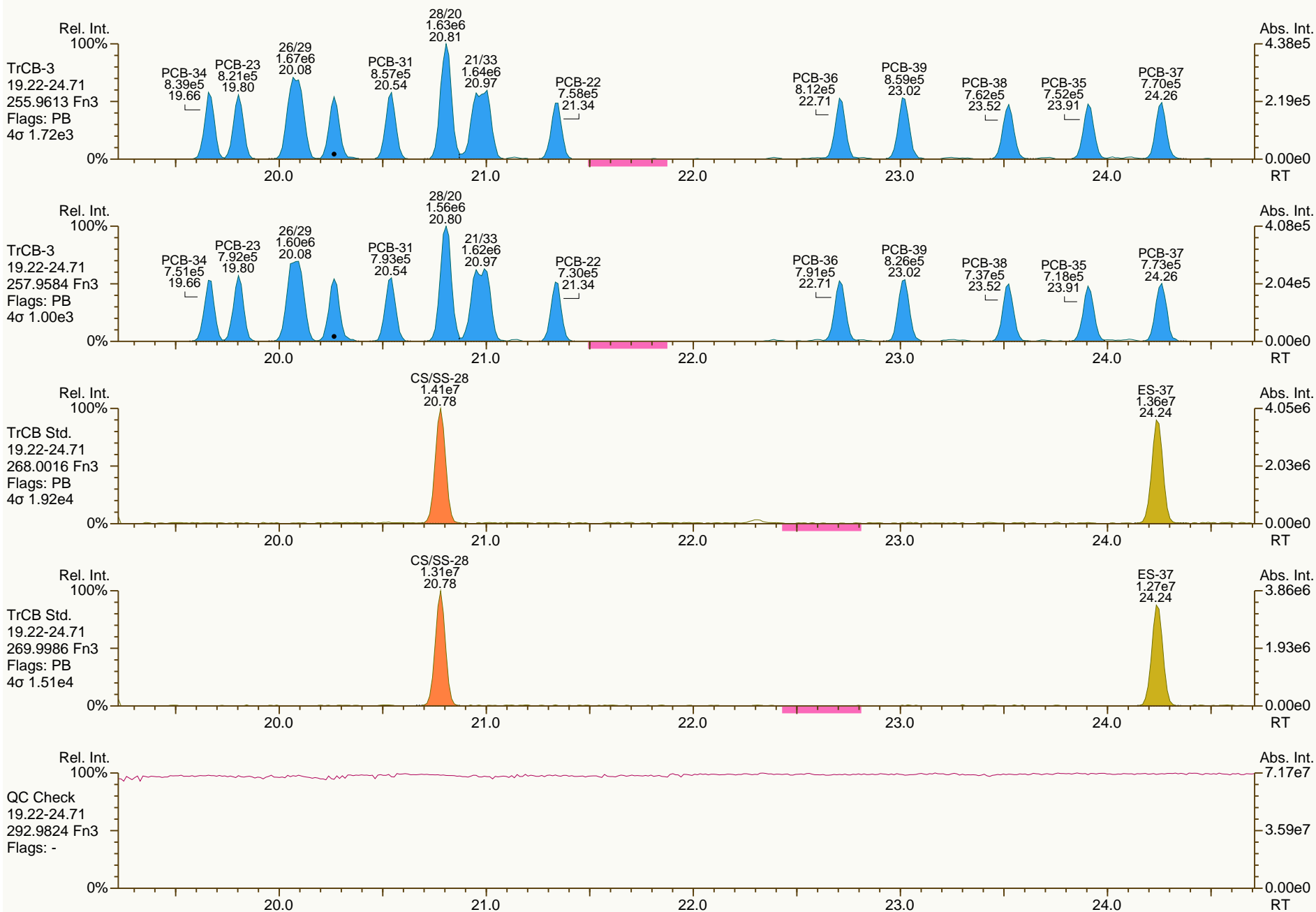
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

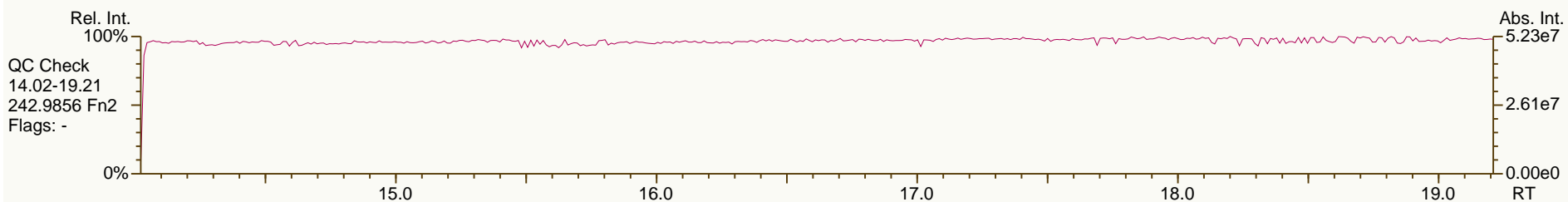
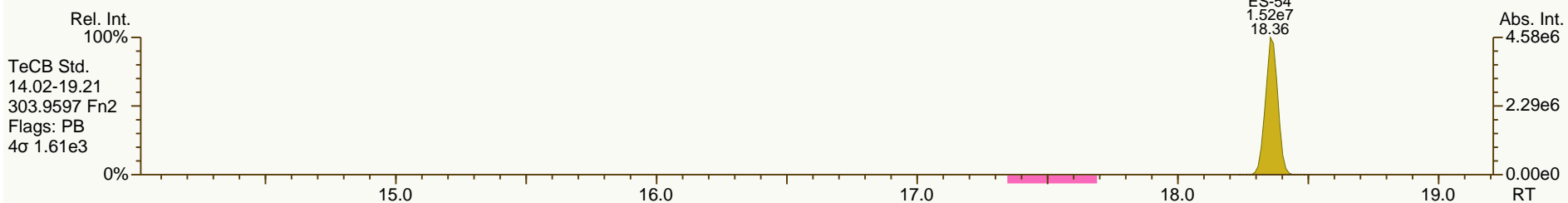
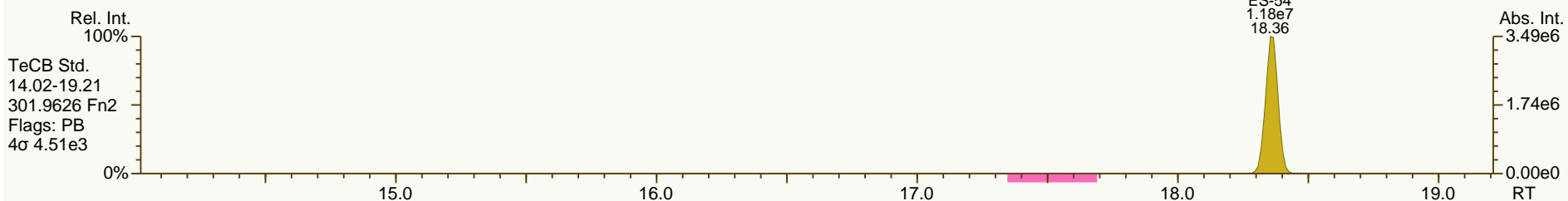
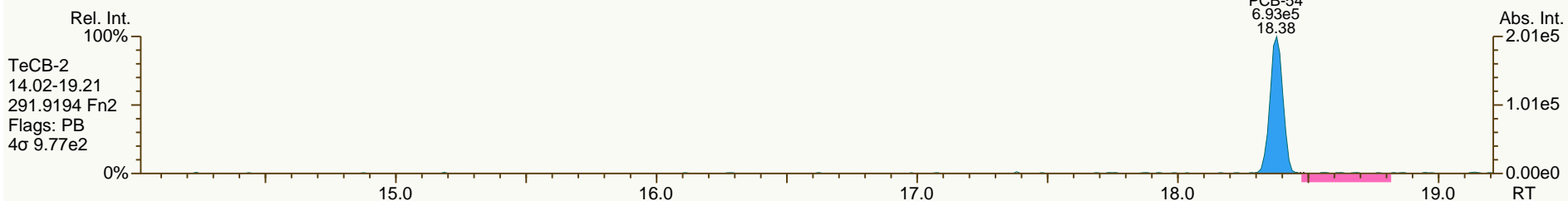
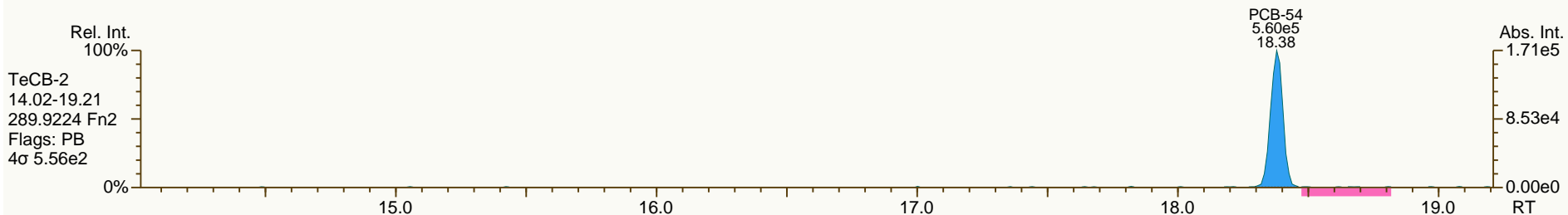
Acq: 26-Jan-2012 17:59:45
User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

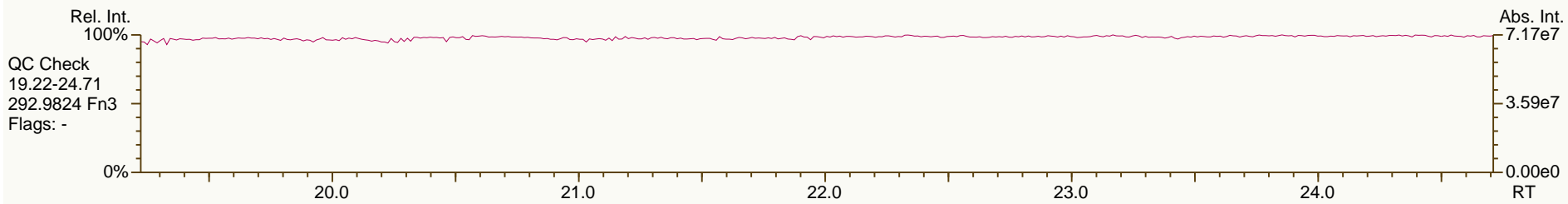
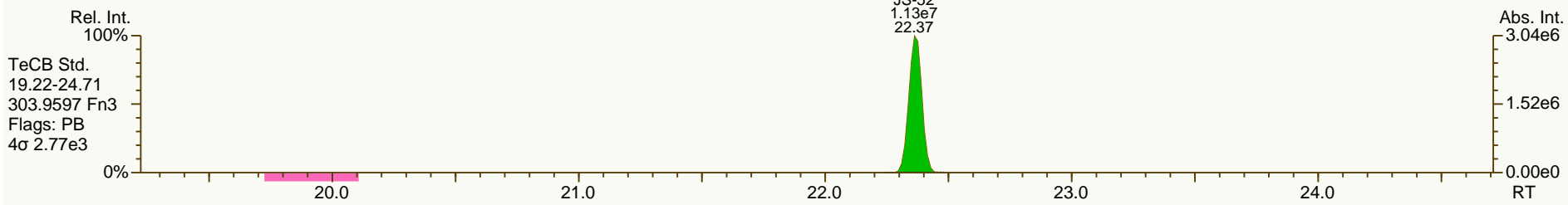
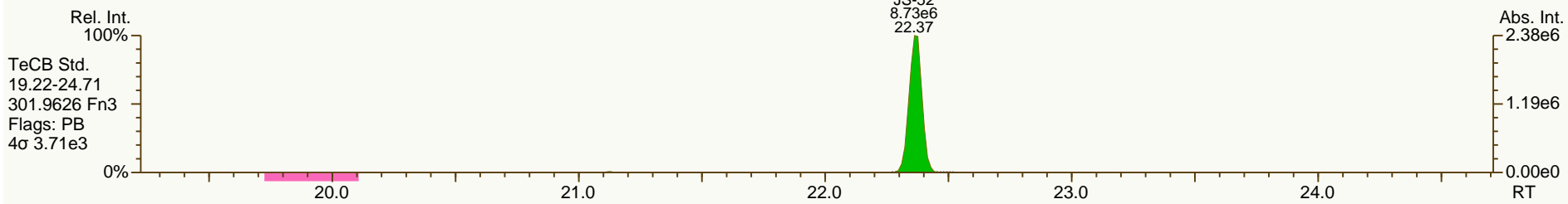
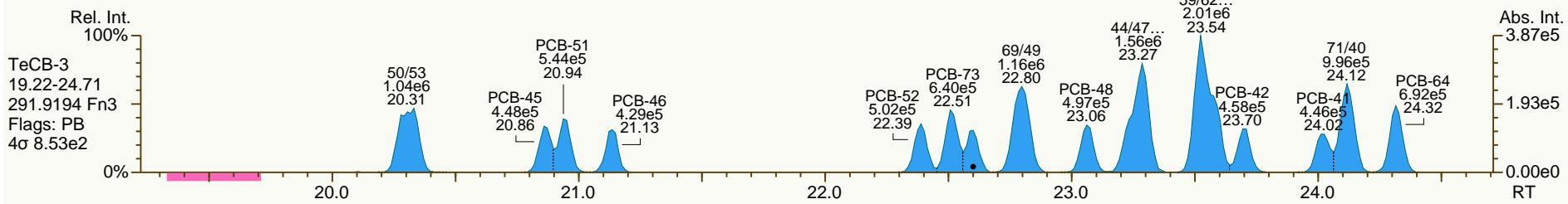
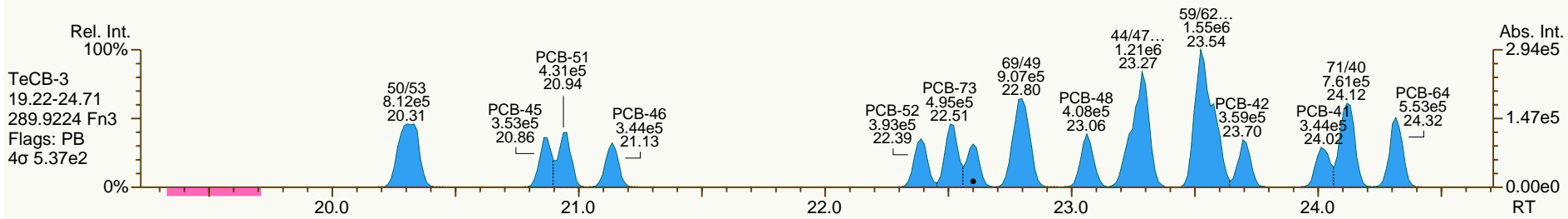
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

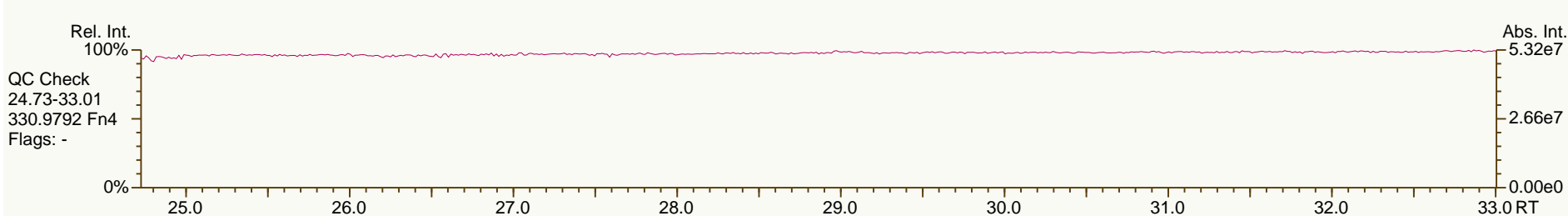
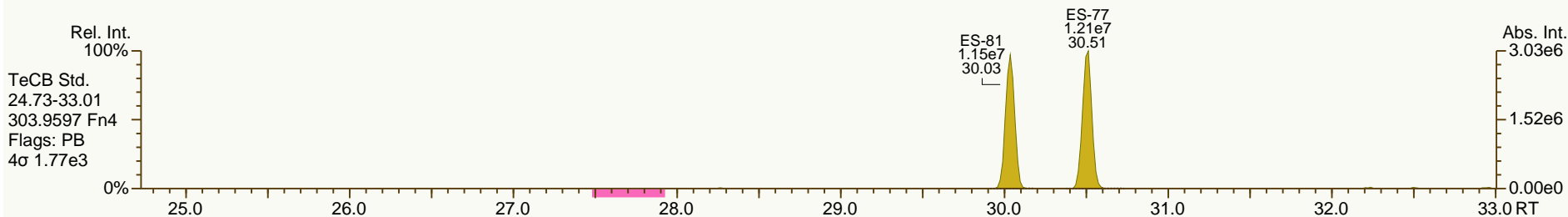
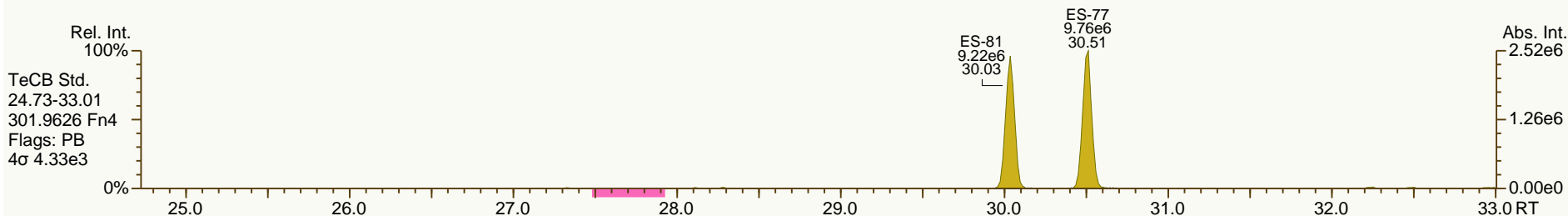
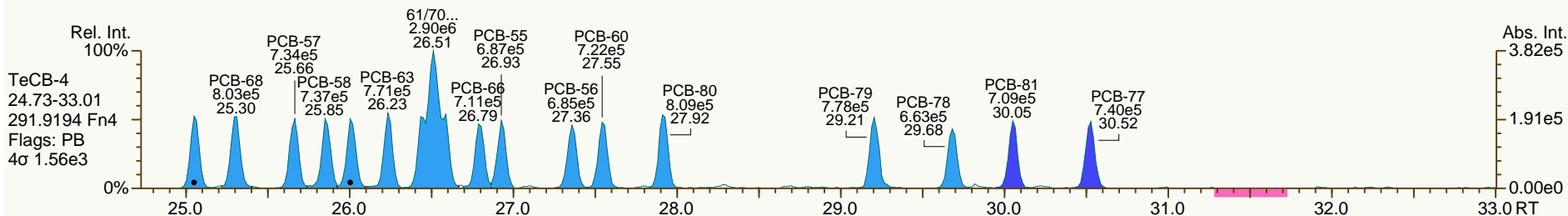
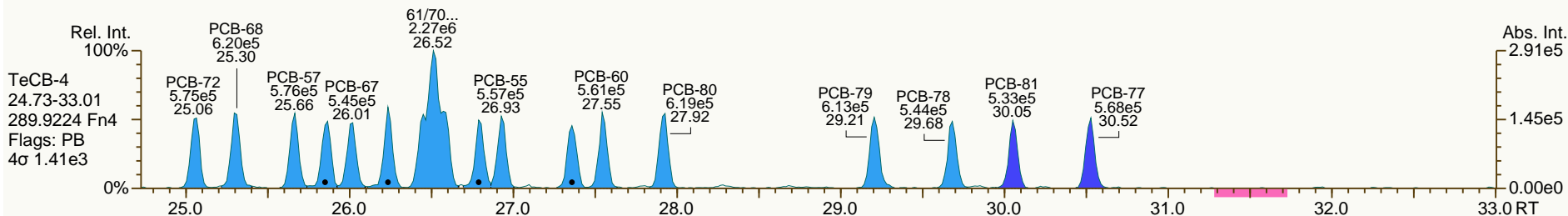
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

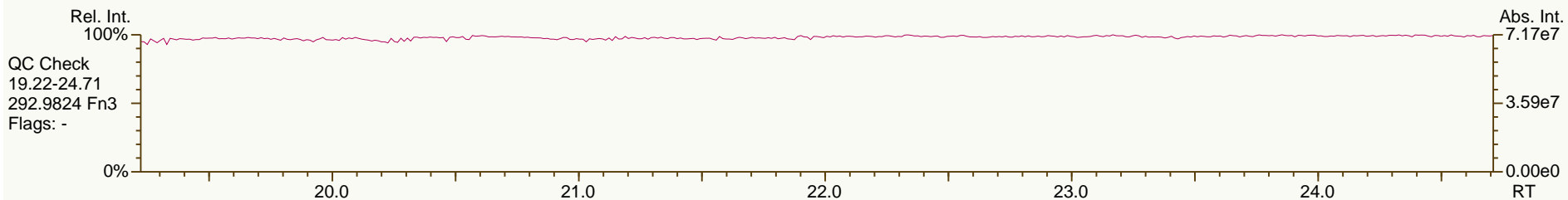
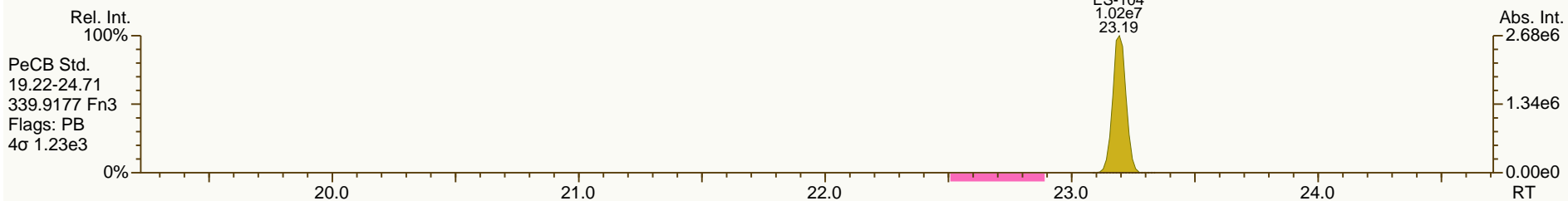
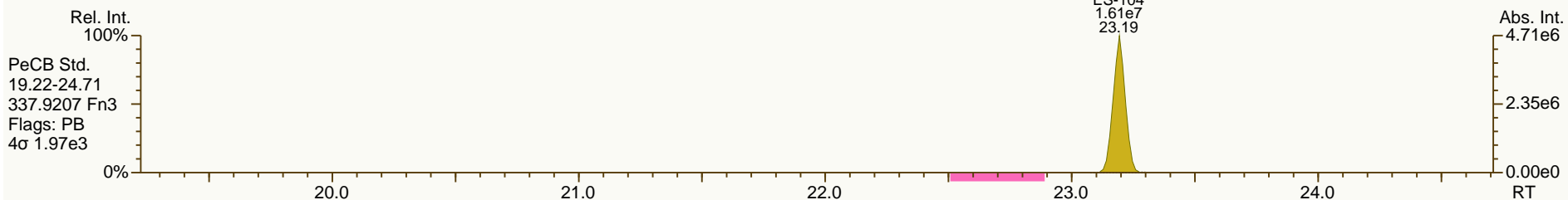
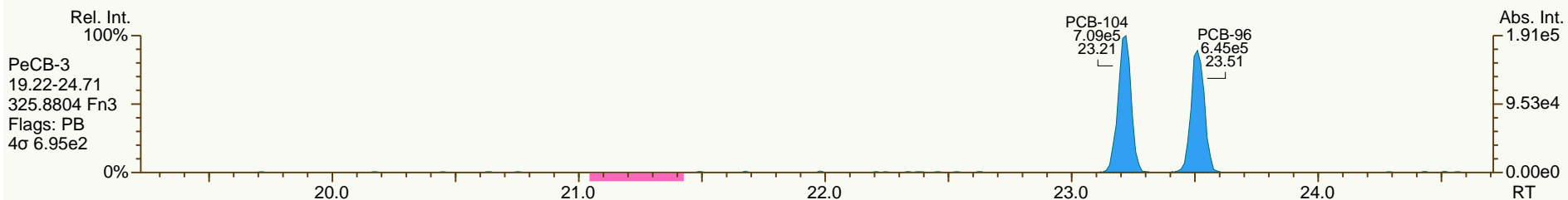
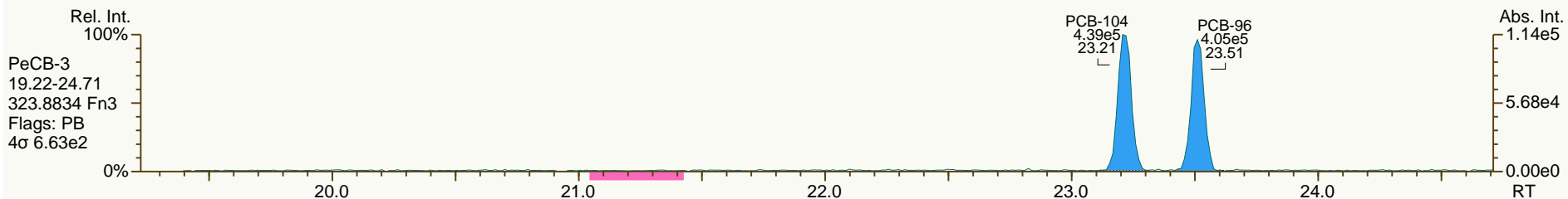
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

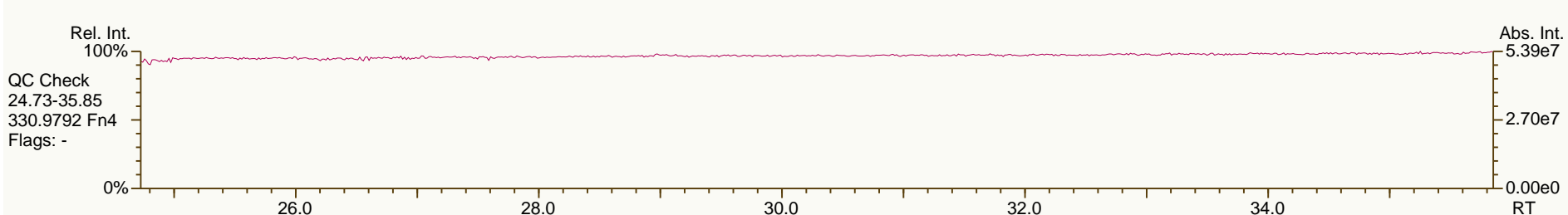
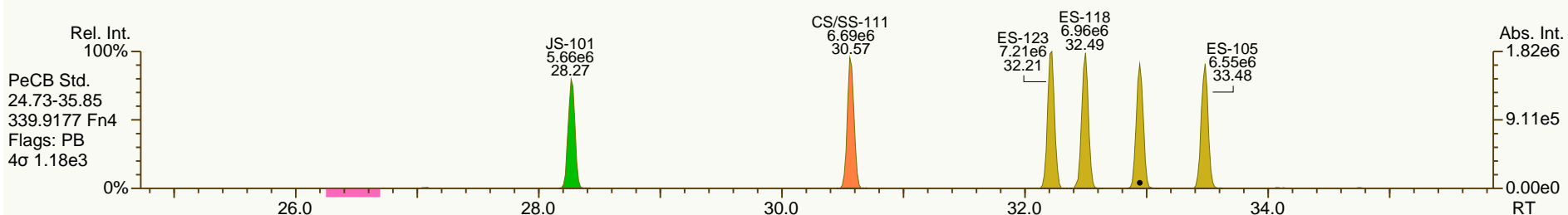
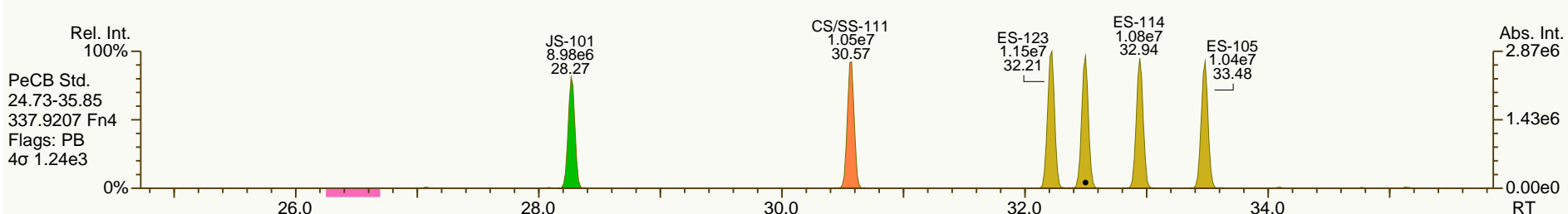
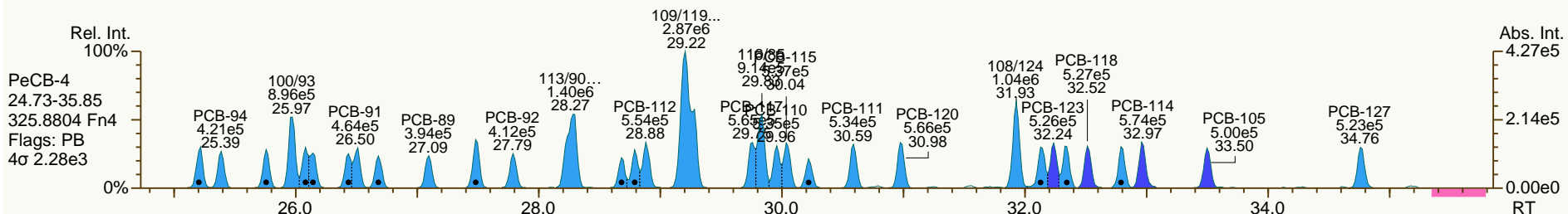
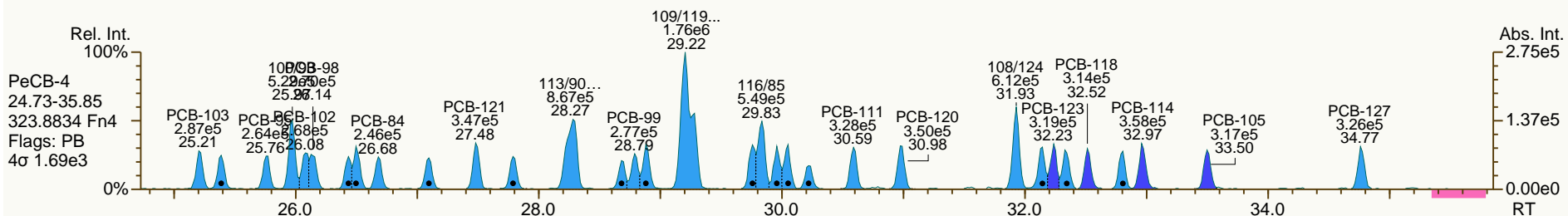
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

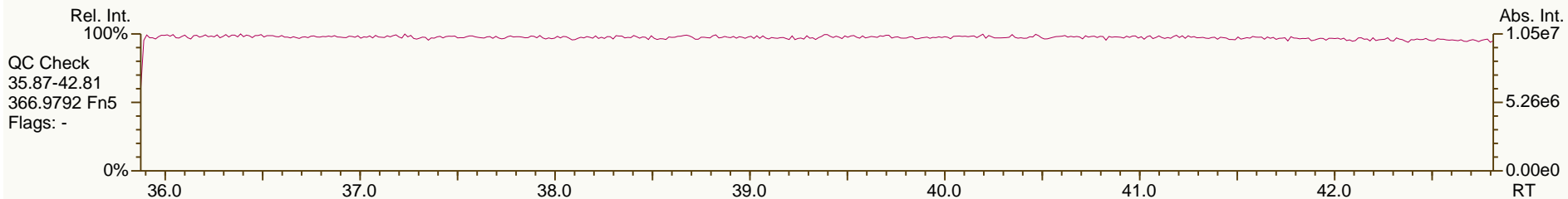
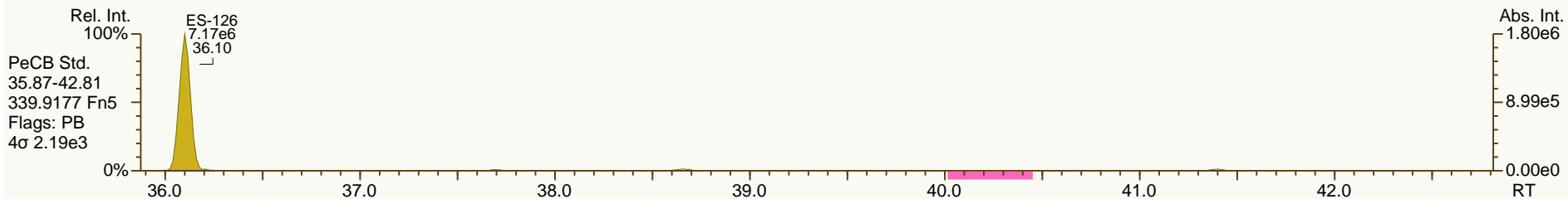
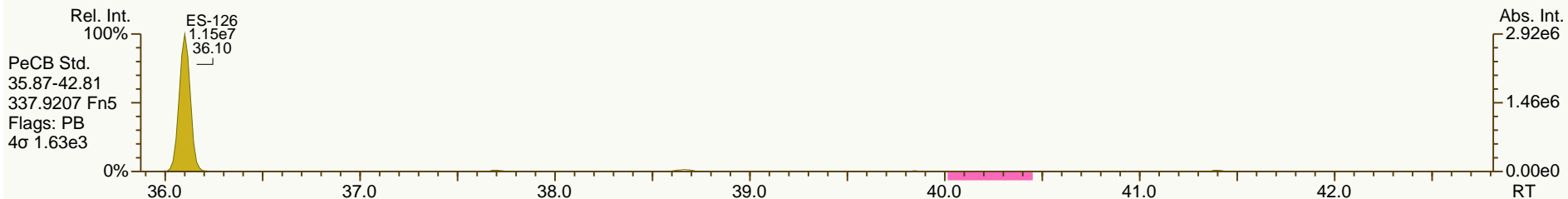
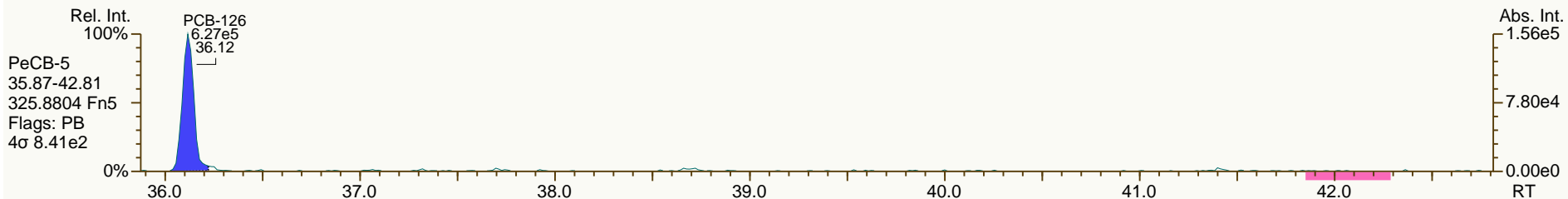
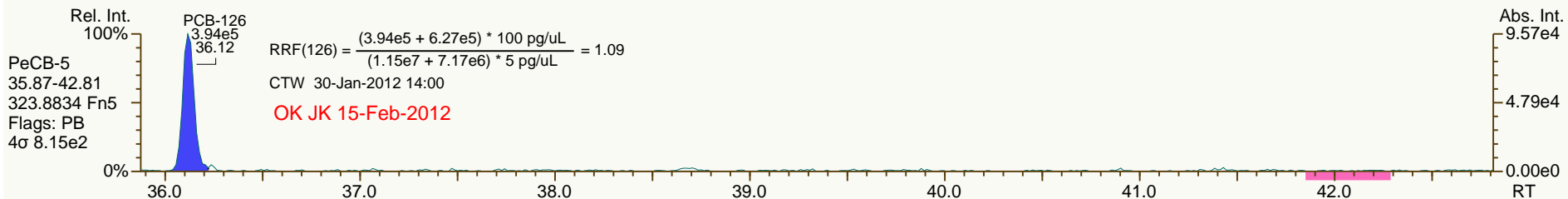
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

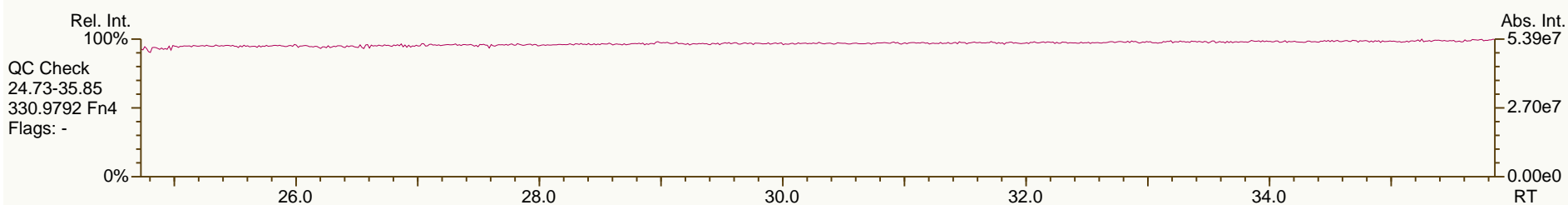
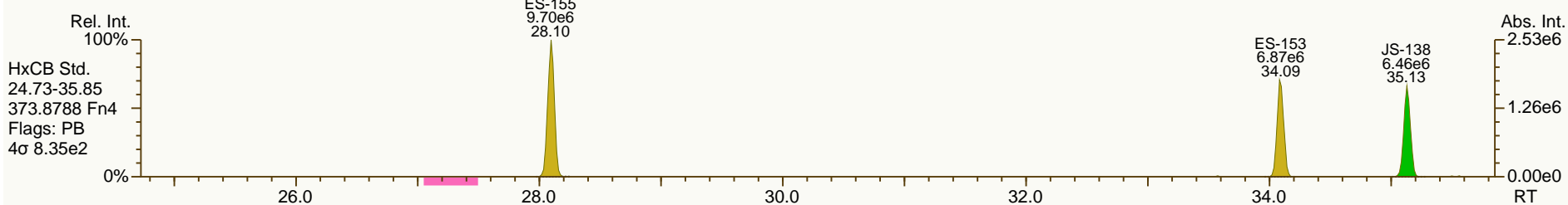
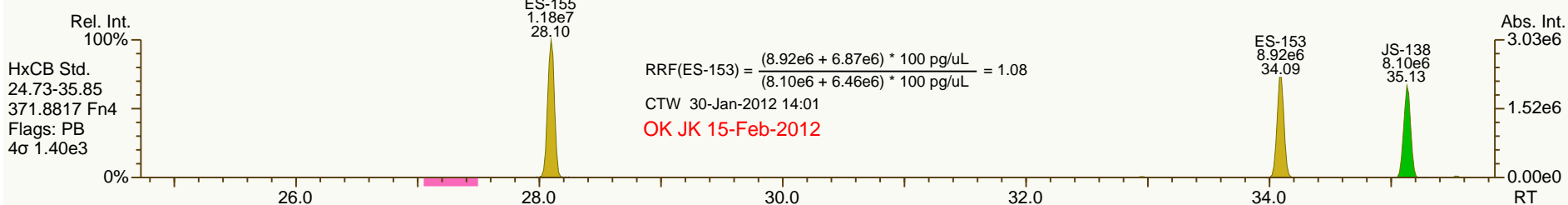
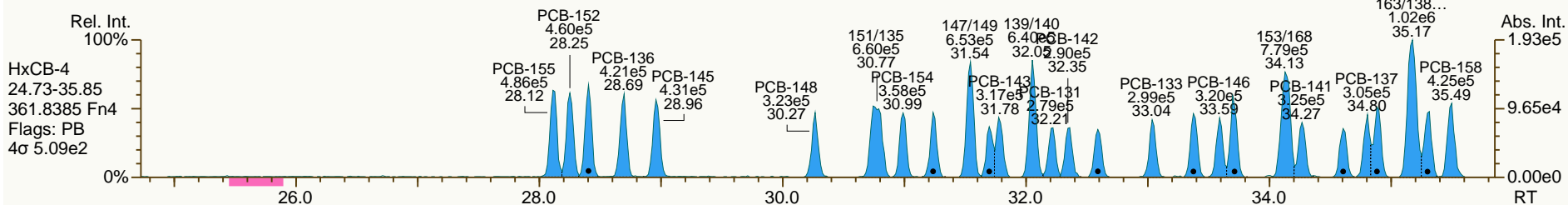
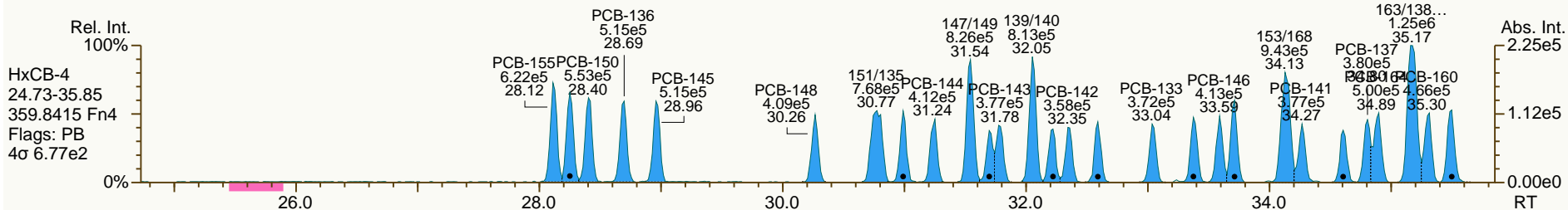
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

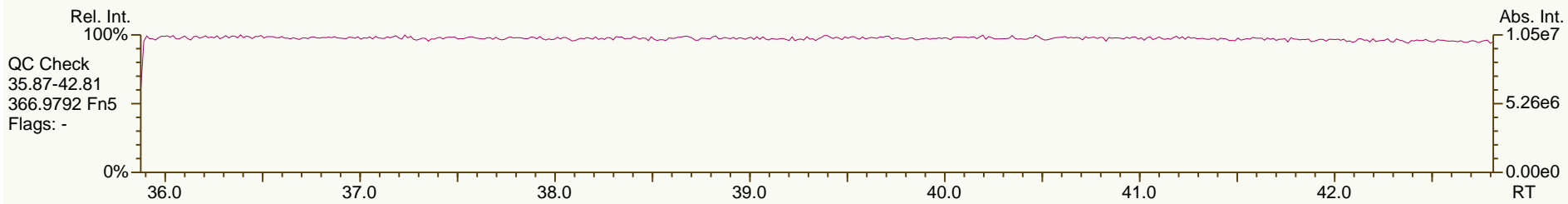
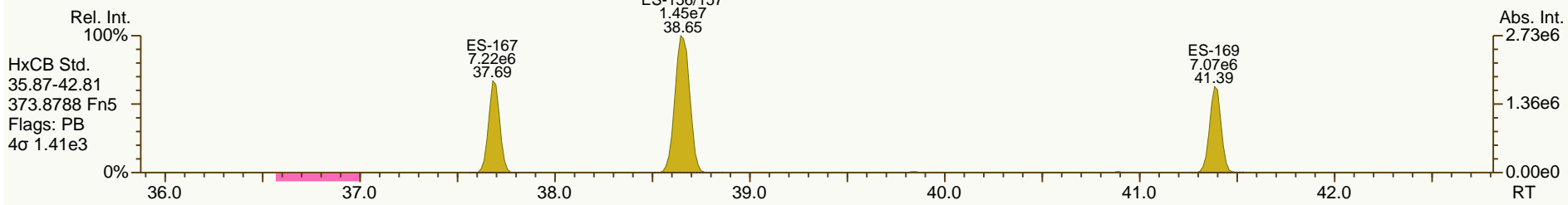
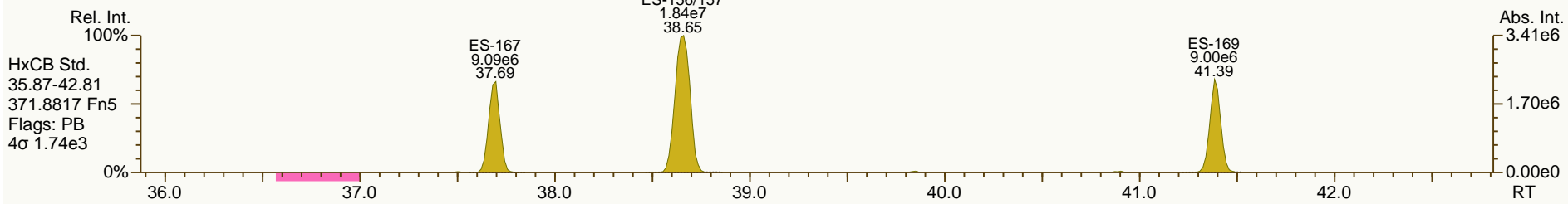
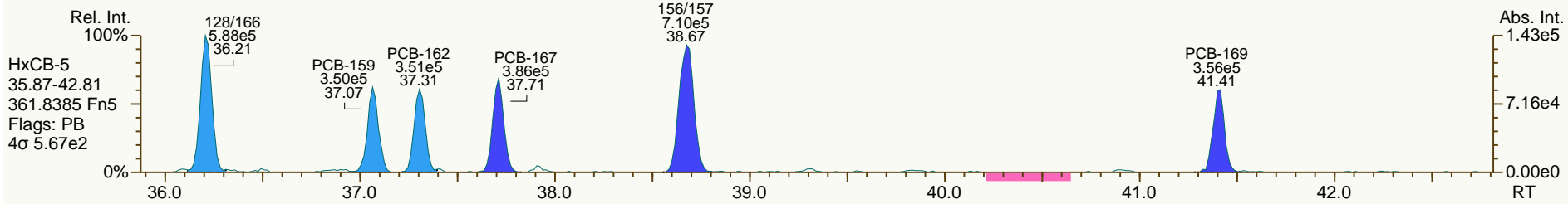
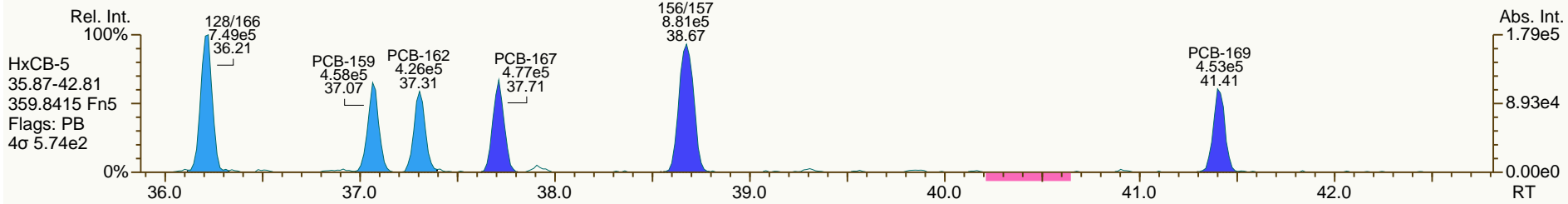
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

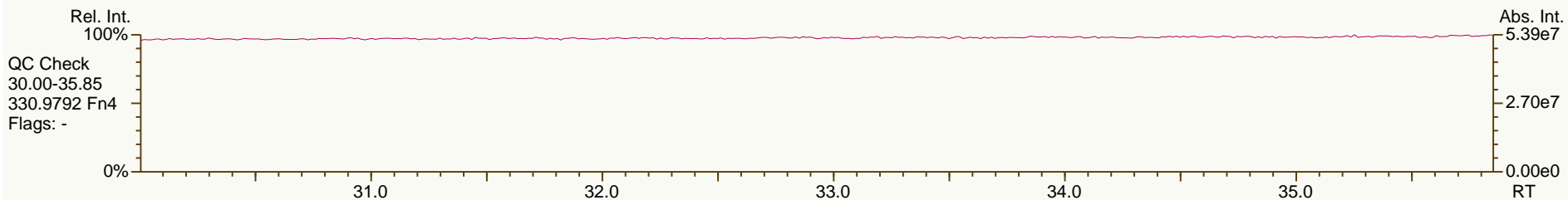
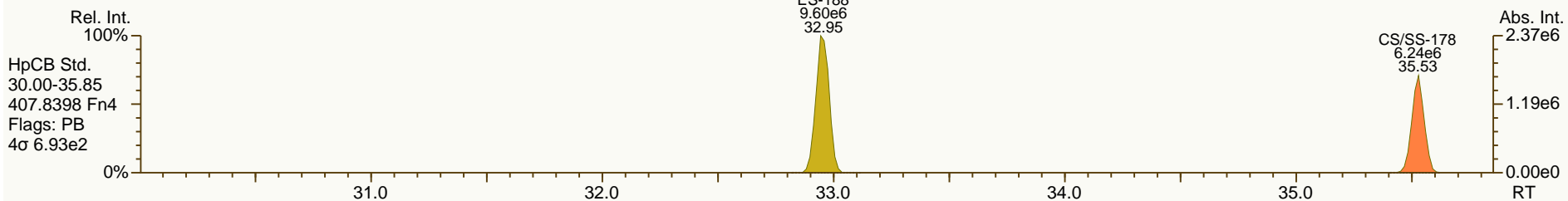
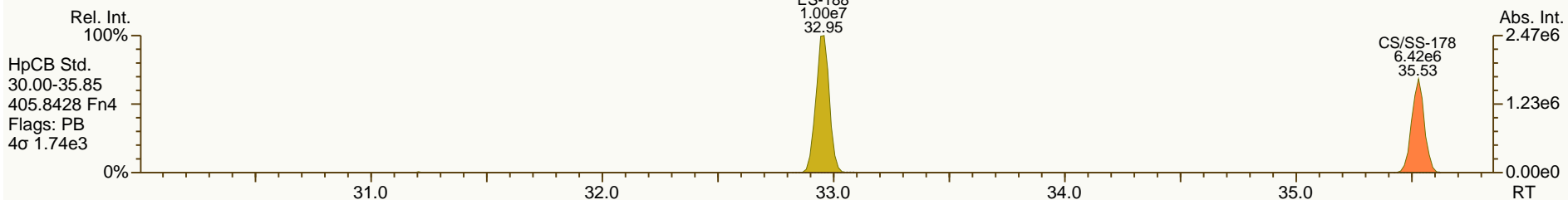
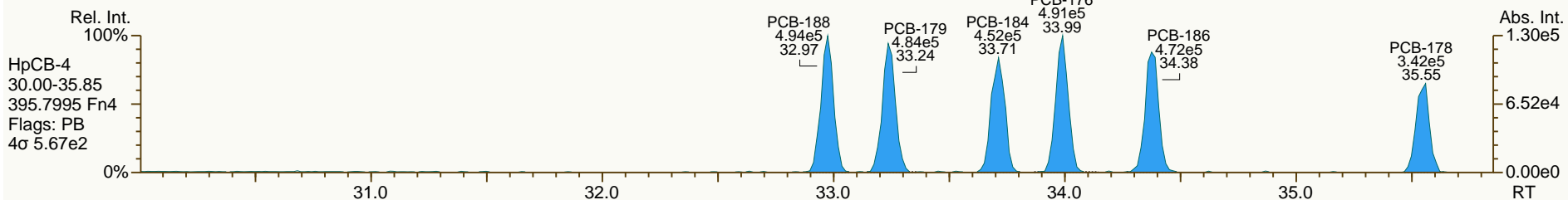
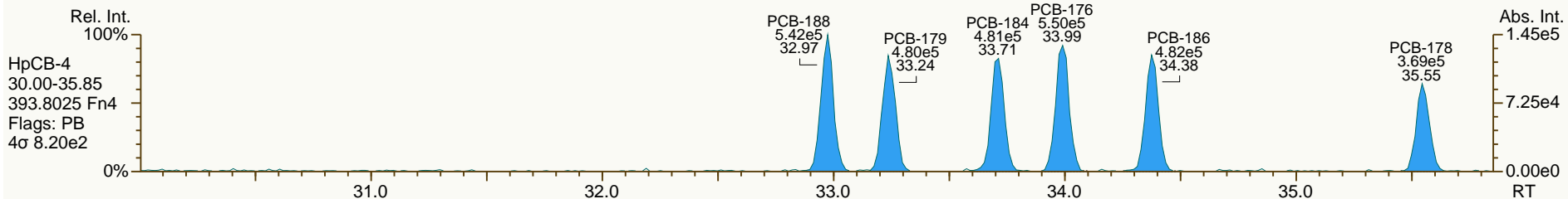
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

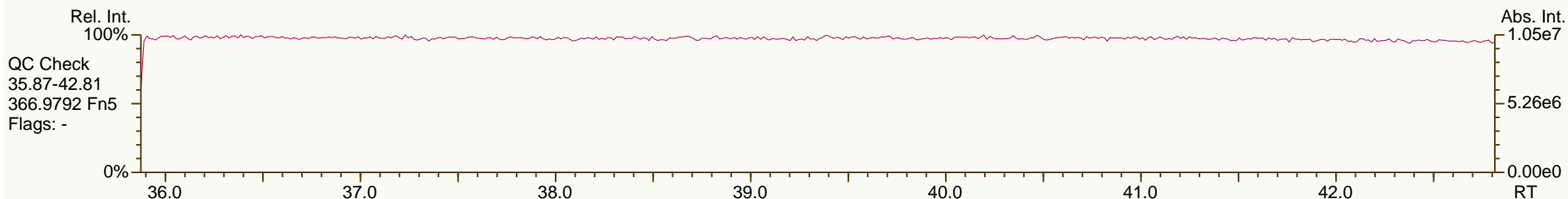
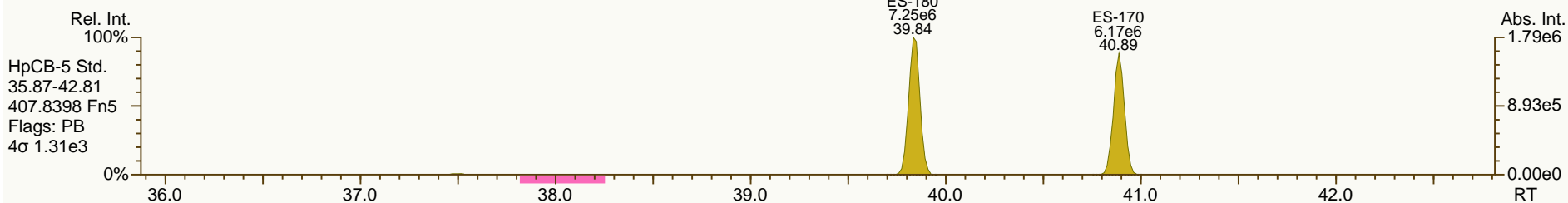
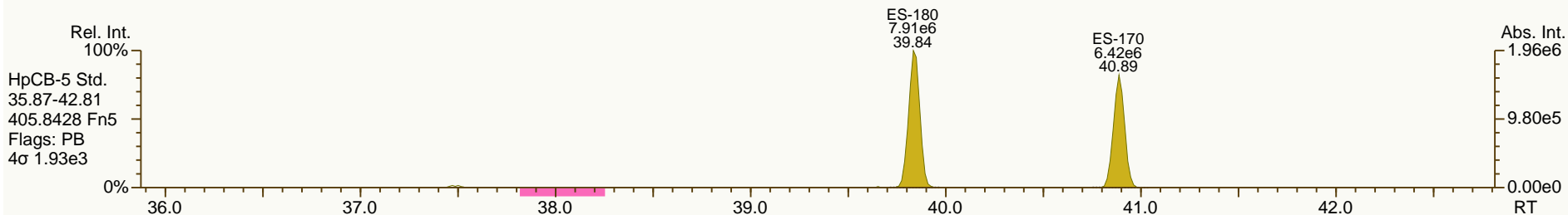
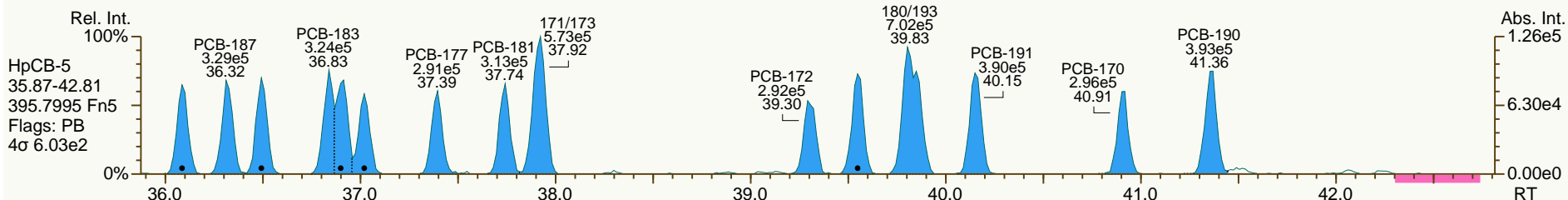
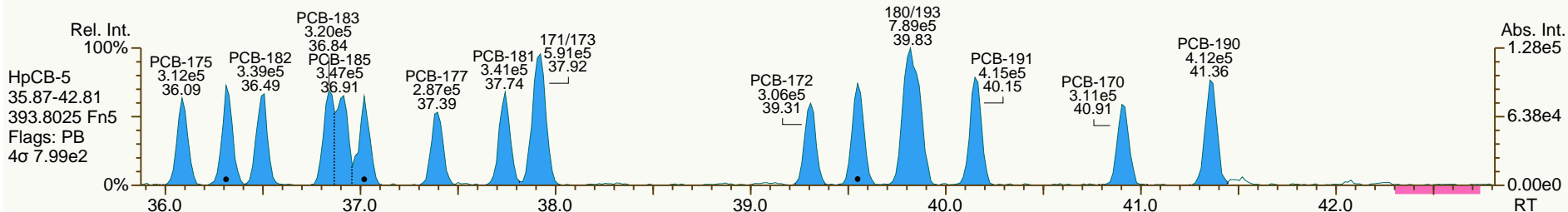
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

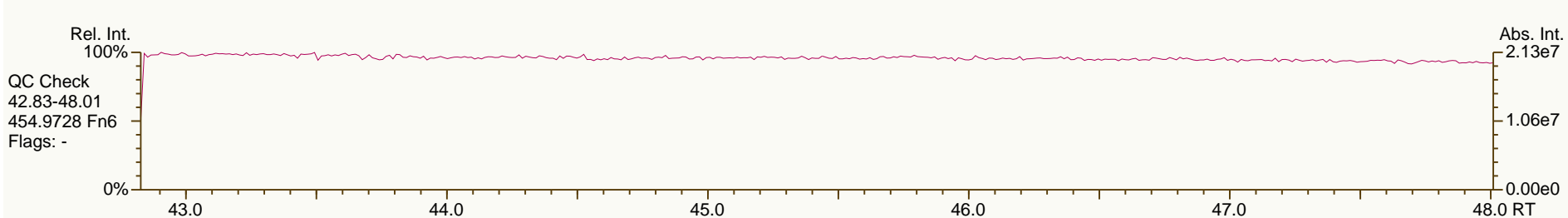
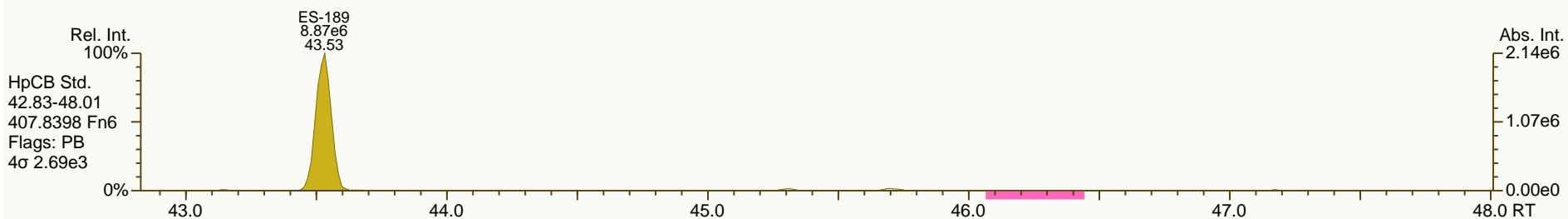
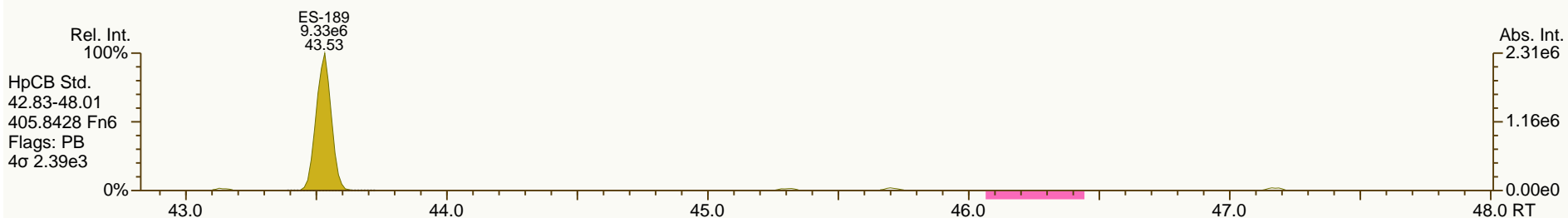
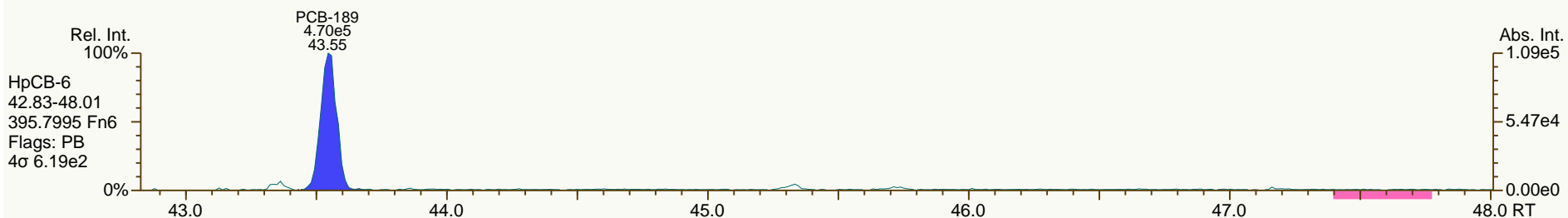
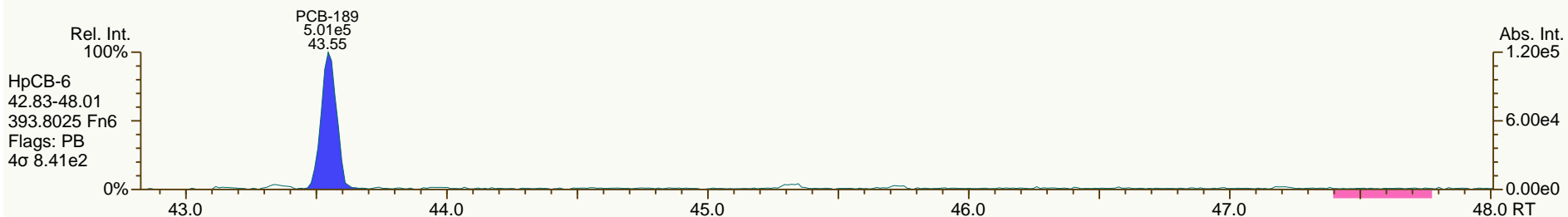
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

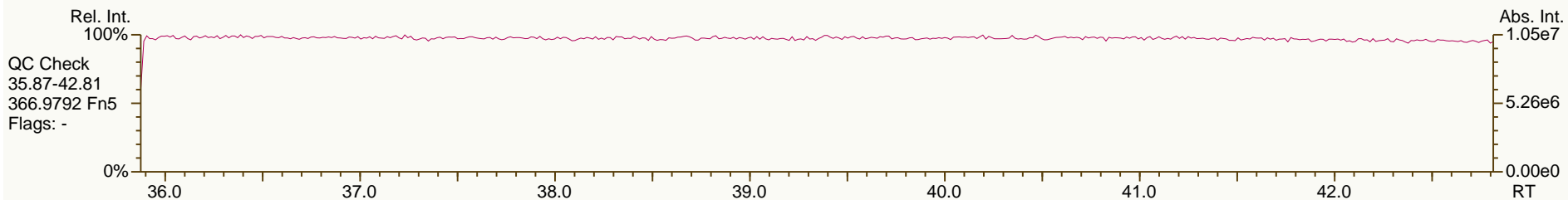
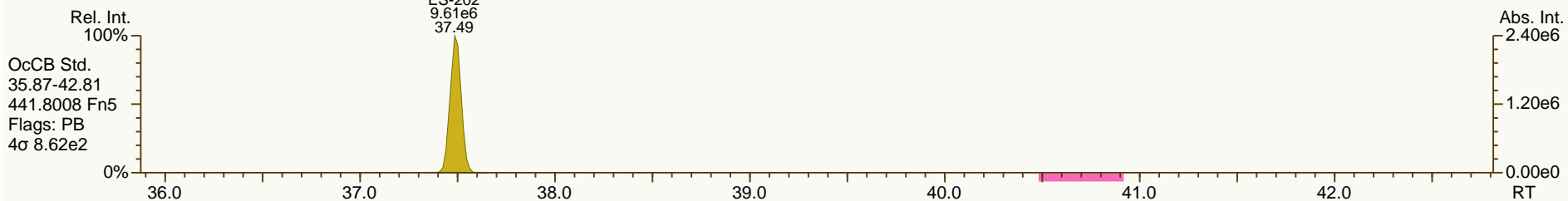
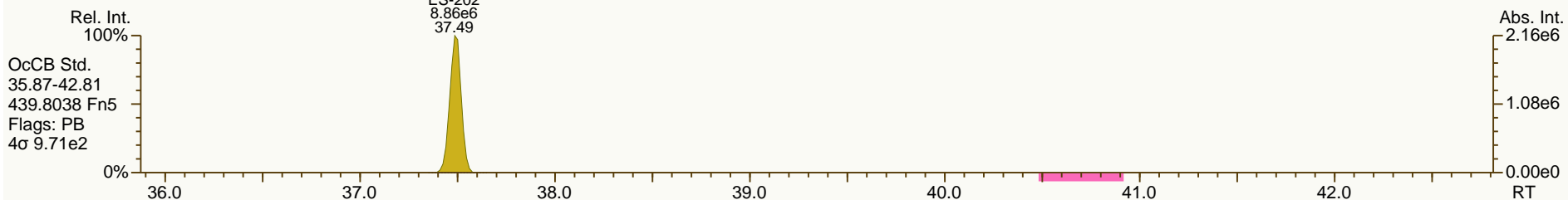
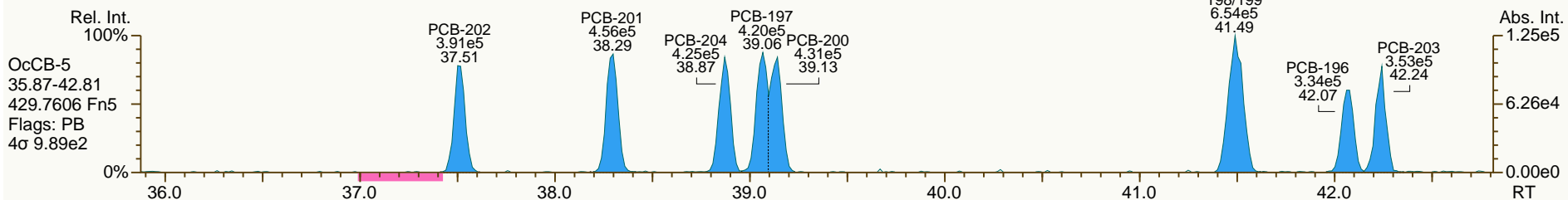
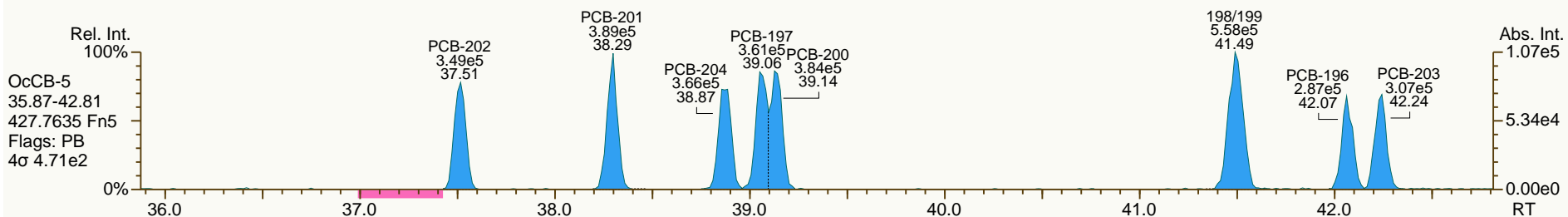
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

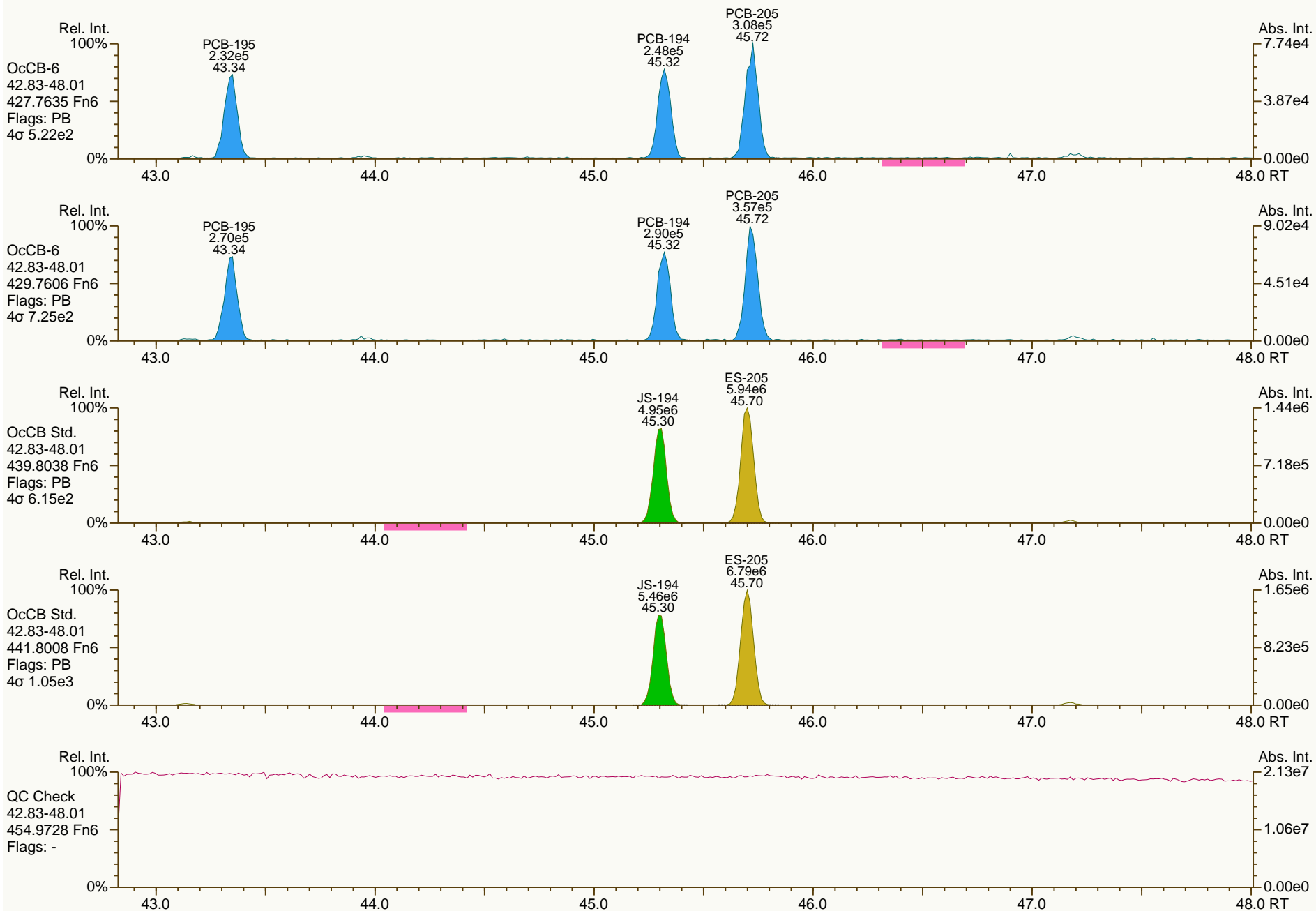
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

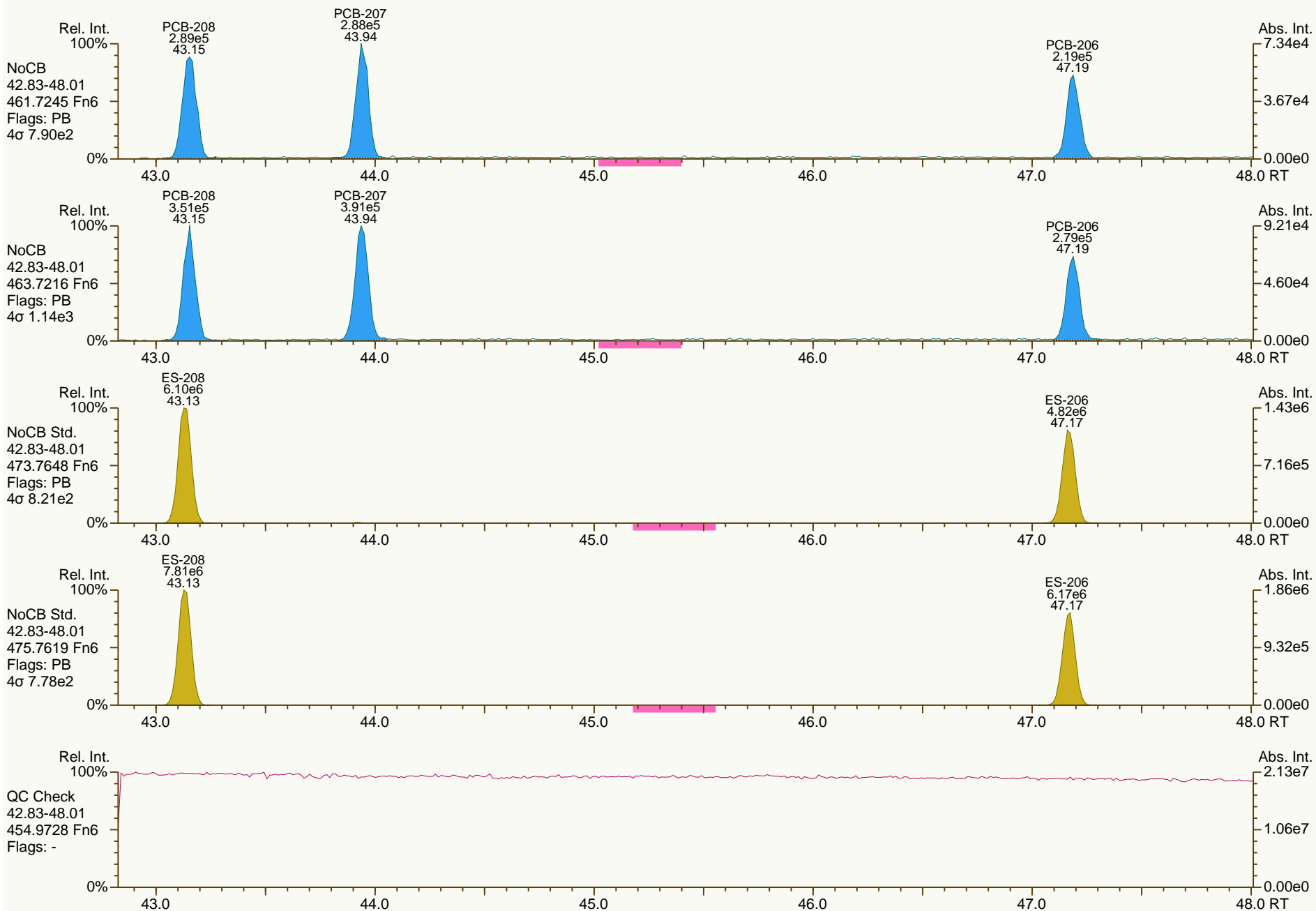
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

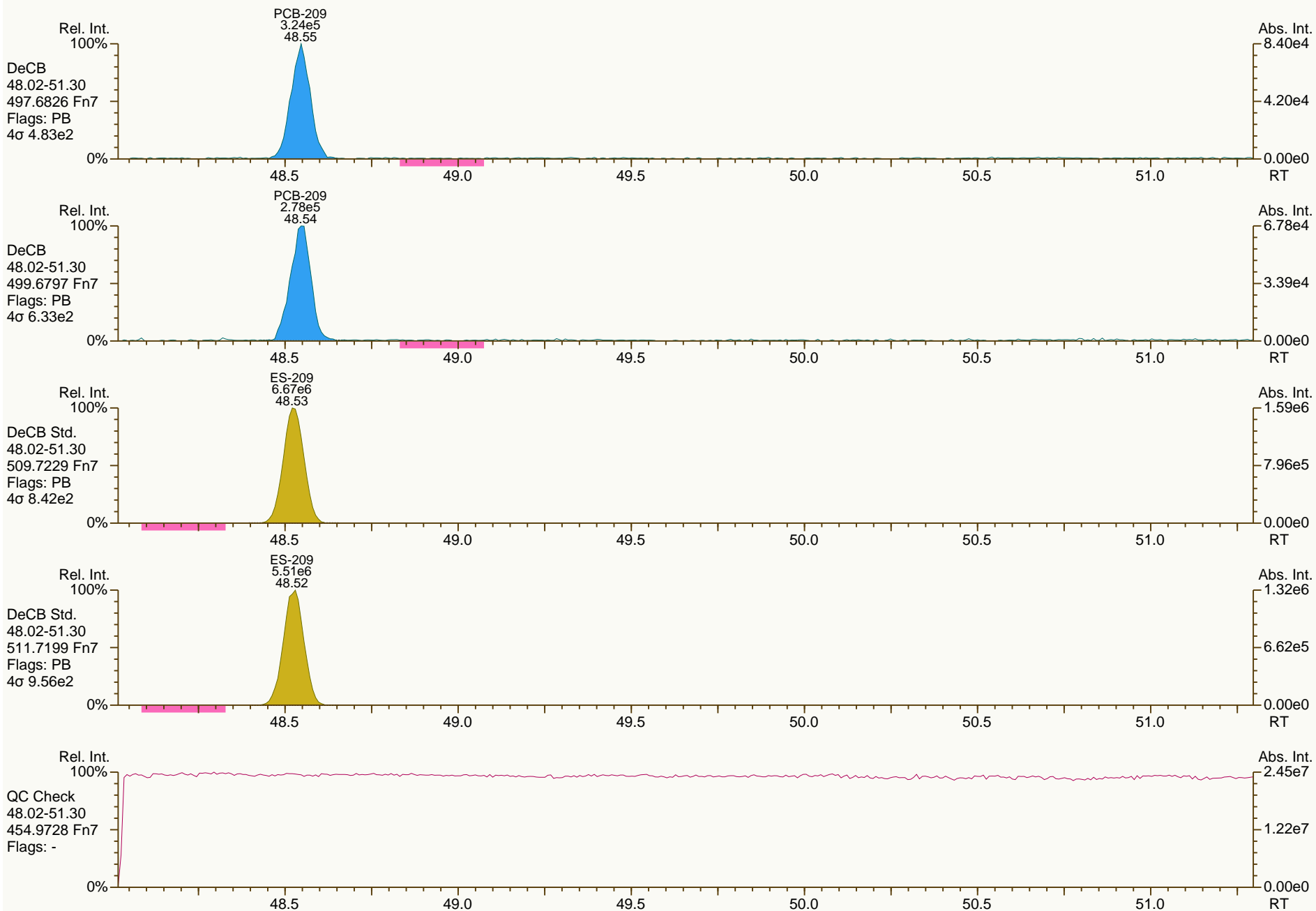
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 18:54							
Datafile:	120126S06							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.51	1.50E+07	0.78 Y	1.22	1.23	0.1%		
PCB-81 344'5'-TeCB	30.04	1.46E+07	0.77 Y	1.24	1.29	3.4%		
PCB-105 233'44'-PeCB	33.49	1.02E+07	0.60 Y	1.03	1.09	6.0%		
PCB-114 2344'5'-PeCB	32.95	1.10E+07	0.61 Y	1.10	1.16	5.5%		
PCB-118 23'44'5'-PeCB	32.51	1.05E+07	0.63 Y	1.03	1.09	5.8%		
PCB-123 2'344'5'-PeCB	32.22	1.02E+07	0.61 Y	0.93	0.98	5.5%		
PCB-126 33'44'5'-PeCB	36.11	1.19E+07	0.61 Y	1.11	1.11	0.0%		
PCB-156/157 233'44'5'/233'44'5'	38.66	1.96E+07	1.24 Y	1.05	1.06	1.7%		
PCB-167 23'44'55'-HxCB	37.70	1.01E+07	1.25 Y	1.08	1.10	2.1%		
PCB-169 33'44'55'-HxCB	41.40	9.87E+06	1.25 Y	1.04	1.09	4.2%		
PCB-189 233'44'55'-HpCB	43.53	1.16E+07	1.04 Y	1.11	1.14	2.8%		
PCB-209 DeCB	48.53	7.18E+06	1.15 Y	1.05	1.04	-1.2%		
ES PCB-1	10.48	3.32E+07	3.17 Y	1.01	1.00	-0.9%		
ES PCB-3	12.53	3.43E+07	3.23 Y	1.05	1.04	-1.3%		
ES PCB-4	12.76	2.29E+07	1.57 Y	0.70	0.69	-0.7%		
ES PCB-15	18.10	3.83E+07	1.62 Y	1.17	1.16	-1.0%		
ES PCB-19	15.60	1.87E+07	1.06 Y	0.57	0.57	-0.1%		
ES PCB-37	24.23	2.83E+07	1.08 Y	1.41	1.39	-1.3%		
ES PCB-54	18.35	2.64E+07	0.78 Y	1.32	1.30	-1.8%		
ES PCB-77	30.49	2.44E+07	0.80 Y	1.22	1.20	-1.3%		
ES PCB-81	30.02	2.27E+07	0.78 Y	1.15	1.12	-2.9%		
ES PCB-104	23.18	2.65E+07	1.53 Y	1.69	1.66	-1.7%		
ES PCB-105	33.47	1.88E+07	1.64 Y	1.21	1.17	-2.7%		
ES PCB-114	32.93	1.90E+07	1.61 Y	1.23	1.19	-3.3%		
ES PCB-118	32.48	1.91E+07	1.56 Y	1.25	1.20	-3.9%		
ES PCB-123	32.20	2.09E+07	1.57 Y	1.33	1.31	-1.4%		
ES PCB-126	36.09	2.13E+07	1.62 Y	1.36	1.34	-1.6%		
ES PCB-153	34.08	1.79E+07	1.28 Y	1.09	1.09	0.1%		
ES PCB-155	28.08	2.31E+07	1.23 Y	1.40	1.41	0.1%		
ES PCB-156/157	38.64	3.68E+07	1.29 Y	1.13	1.12	-1.0%		
ES PCB-167	37.67	1.83E+07	1.23 Y	1.13	1.11	-1.6%		
ES PCB-169	41.38	1.81E+07	1.26 Y	1.14	1.10	-3.4%		
ES PCB-170	40.87	1.43E+07	1.05 Y	1.23	1.21	-1.7%		
ES PCB-180	39.82	1.72E+07	1.08 Y	1.46	1.46	-0.6%		
ES PCB-188	32.94	2.26E+07	1.08 Y	1.34	1.37	2.4%		
ES PCB-189	43.51	2.03E+07	1.06 Y	1.77	1.72	-2.7%		
ES PCB-202	37.48	2.10E+07	0.91 Y	1.27	1.28	0.4%		
ES PCB-205	45.69	1.45E+07	0.90 Y	1.25	1.23	-1.9%		
ES PCB-206	47.15	1.25E+07	0.78 Y	1.07	1.06	-1.0%		
ES PCB-208	43.12	1.57E+07	0.77 Y	1.34	1.33	-0.9%		
ES PCB-209	48.51	1.38E+07	1.18 Y	1.18	1.17	-1.2%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS3_120126_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.77	2.76E+07	1.08 Y	0.98	0.98	-0.5%	
SS PCB-111	30.55	1.94E+07	1.57 Y	0.90	0.93	3.3%	
SS PCB-178	35.51	1.46E+07	1.08 Y	0.65	0.65	0.2%	
CS PCB-28	20.77	2.76E+07	1.08 Y	1.39	1.36	-1.7%	
CS PCB-111	30.55	1.94E+07	1.57 Y	1.19	1.21	1.8%	
CS PCB-178	35.51	1.46E+07	1.08 Y	0.87	0.89	2.6%	
JS PCB-9	14.59	3.30E+07	1.61 Y	-	-	-	
JS PCB-52	22.35	2.03E+07	0.77 Y	-	-	-	
JS PCB-101	28.26	1.60E+07	1.61 Y	-	-	-	
JS PCB-138	35.12	1.64E+07	1.26 Y	-	-	-	
JS PCB-194	45.29	1.18E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.49	1.99E+07	3.15 Y	1.20	1.20	0.2%	
PCB-3 4-MoCB	12.55	1.94E+07	3.13 Y	1.13	1.13	-0.2%	
PCB-4 22'-DiCB	12.77	1.13E+07	1.44 Y	0.94	0.98	4.2%	
PCB-15 44'-DiCB	18.11	1.96E+07	1.54 Y	1.01	1.02	1.6%	
PCB-19 22'6'-TrCB	15.62	9.46E+06	1.07 Y	1.01	1.01	0.0%	
PCB-37 344'-TrCB	24.25	1.70E+07	1.05 Y	1.20	1.20	0.2%	
PCB-54 22'66'-TeCB	18.37	1.24E+07	0.77 Y	0.93	0.94	1.1%	
PCB-104 22'466'-PeCB	23.20	1.22E+07	0.63 Y	0.92	0.92	0.3%	
PCB-153 22'44'55' -HxCB	34.12	2.08E+07	1.25 Y	1.15	1.16	1.4%	
PCB-155 22'44'66'-HxCB	28.11	1.25E+07	1.27 Y	1.06	1.08	2.1%	
PCB-170 22'33'44'5'-HpCB	40.89	7.32E+06	1.03 Y	1.00	1.02	2.4%	
PCB-180 22'344'55'-HpCB	39.81	1.80E+07	1.03 Y	1.01	1.04	2.9%	
PCB-188 22'34'566'-HpCB	32.96	1.21E+07	1.06 Y	1.07	1.07	0.4%	
PCB-202 22'33'55'66'-OcCB	37.50	8.66E+06	0.89 Y	0.83	0.83	-0.1%	
PCB-205 233'44'55'6'-OcCB	45.71	7.93E+06	0.88 Y	1.09	1.09	0.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.72E+06	0.80 Y	0.98	0.98	0.7%	
PCB-206 22'33'44'55'6'-NoCB	47.17	5.92E+06	0.80 Y	0.93	0.95	1.4%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.49	1.99E+07	3.15 Y	1.20	1.20	0.2%	
PCB-2 3-MoCB	12.38	1.98E+07	3.16 Y	1.13	1.16	2.3%	
PCB-3 4-MoCB	12.55	1.94E+07	3.13 Y	1.13	1.13	-0.2%	
PCB-4 22'-DiCB	12.77	1.13E+07	1.44 Y	0.94	0.98	4.2%	
PCB-10 26-DiCB	12.94	1.67E+07	1.51 Y	1.43	1.46	2.0%	
PCB-9 25-DiCB	14.61	1.68E+07	1.50 Y	0.87	0.88	1.3%	
PCB-7 24-DiCB	14.76	1.89E+07	1.53 Y	1.00	0.99	-1.6%	
PCB-6 23'-DiCB	14.97	1.82E+07	1.52 Y	0.94	0.95	1.5%	
PCB-5 23-DiCB	15.24	1.84E+07	1.49 Y	0.92	0.96	4.5%	
PCB-8 24'-DiCB	15.36	1.88E+07	1.50 Y	0.95	0.98	3.2%	
PCB-14 35-DiCB	16.83	2.20E+07	1.50 Y	1.09	1.15	4.8%	
PCB-11 33'-DiCB	17.57	1.93E+07	1.51 Y	0.98	1.01	3.0%	
PCB-13/12 34'-/34-DiCB	17.84	3.78E+07	1.52 Y	0.97	0.99	1.7%	
PCB-15 44'-DiCB	18.11	1.96E+07	1.54 Y	1.01	1.02	1.6%	
PCB-19 22'6-TrCB	15.62	9.46E+06	1.07 Y	1.01	1.01	0.0%	
PCB-30/18 246-/22'5-TrCB	17.29	2.49E+07	1.04 Y	1.29	1.33	2.8%	
PCB-17 22'4-TrCB	17.67	1.08E+07	1.03 Y	1.14	1.15	1.6%	
PCB-27 23'6-TrCB	17.86	1.41E+07	1.04 Y	1.48	1.51	1.5%	
PCB-24 236-TrCB	17.98	1.34E+07	1.03 Y	1.43	1.43	0.0%	
PCB-16 22'3-TrCB	18.06	8.46E+06	1.07 Y	0.89	0.90	1.2%	
PCB-32 24'6-TrCB	18.53	1.48E+07	1.06 Y	1.56	1.59	1.7%	
PCB-34 2'35-TrCB	19.65	1.68E+07	1.07 Y	1.18	1.19	0.7%	
PCB-23 235-TrCB	19.79	1.69E+07	1.05 Y	1.19	1.19	0.6%	
PCB-26/29 23'5-/245-TrCB	20.07	3.40E+07	1.05 Y	1.20	1.20	0.2%	
PCB-25 23'4-TrCB	20.26	1.69E+07	1.07 Y	1.19	1.19	0.0%	
PCB-31 24'5-TrCB	20.53	1.77E+07	1.06 Y	1.23	1.25	2.1%	
PCB-28/20 244'-/233'-TrCB	20.79	3.38E+07	1.05 Y	1.18	1.19	1.3%	
PCB-21/33 234-/2'34-TrCB	20.96	3.45E+07	1.05 Y	1.21	1.22	0.4%	
PCB-22 234'-TrCB	21.33	1.61E+07	1.04 Y	1.11	1.14	2.2%	
PCB-36 33'5-TrCB	22.70	1.76E+07	1.07 Y	1.21	1.24	2.4%	
PCB-39 34'5-TrCB	23.01	1.83E+07	1.06 Y	1.32	1.30	-1.6%	
PCB-38 345-TrCB	23.51	1.66E+07	1.07 Y	1.15	1.17	1.5%	
PCB-35 33'4-TrCB	23.90	1.63E+07	1.06 Y	1.13	1.15	1.6%	
PCB-37 344'-TrCB	24.25	1.70E+07	1.05 Y	1.20	1.20	0.2%	
PCB-54 22'66'-TeCB	18.37	1.24E+07	0.77 Y	0.93	0.94	1.1%	
PCB-50/53 22'46-/22'56'TeCB	20.30	1.95E+07	0.77 Y	0.83	0.86	3.0%	
PCB-45 22'36'-TeCB	20.85	8.19E+06	0.79 Y	0.71	0.72	2.3%	
PCB-51 22'46'-TeCB	20.93	1.03E+07	0.81 Y	0.88	0.91	3.2%	
PCB-46 22'36'-TeCB	21.12	8.08E+06	0.81 Y	0.69	0.71	2.4%	
PCB-52 22'55'-TeCB	22.38	9.42E+06	0.76 Y	0.80	0.83	3.4%	
PCB-73 23'5'6TeCB	22.50	1.20E+07	0.77 Y	1.03	1.06	2.7%	
PCB-43 22'35'-TeCB	22.59	8.31E+06	0.75 Y	0.71	0.73	3.7%	
PCB-69/49 23'46-/22'45'TeCB	22.78	2.25E+07	0.76 Y	0.96	0.99	3.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.05	9.63E+06	0.79 Y	0.84	0.85	1.6%	
PCB-44/47/65 22'35'-/22'44'-	23.26	3.02E+07	0.80 Y	0.86	0.89	3.4%	
PCB-59/62/75 233'6'-/2346-/24	23.53	3.84E+07	0.78 Y	1.09	1.13	3.3%	
PCB-42 22'34'-TeCB	23.69	8.98E+06	0.76 Y	0.77	0.79	3.3%	
PCB-41 22'34'-TeCB	24.01	8.52E+06	0.76 Y	0.73	0.75	3.4%	
PCB-71/40 23'4'6'/22'33'-TeCB	24.11	1.92E+07	0.78 Y	0.81	0.85	4.0%	
PCB-64 234'6'-TeCB	24.31	1.36E+07	0.77 Y	1.17	1.20	2.9%	
PCB-72 23'55'-TeCB	25.04	1.50E+07	0.79 Y	1.25	1.32	5.2%	
PCB-68 23'45'-TeCB	25.29	1.59E+07	0.78 Y	1.36	1.40	2.5%	
PCB-57 233'5'-TeCB	25.65	1.44E+07	0.77 Y	1.22	1.27	3.4%	
PCB-58 233'5'-TeCB	25.85	1.45E+07	0.79 Y	1.26	1.27	1.5%	
PCB-67 23'45'-TeCB	26.00	1.51E+07	0.79 Y	1.27	1.33	4.2%	
PCB-63 234'5'-TeCB	26.22	1.57E+07	0.77 Y	1.34	1.39	3.7%	
PCB-61/70/74/76 2345-/23'4'5	26.50	5.91E+07	0.79 Y	1.24	1.30	4.7%	
PCB-66 23'44'-TeCB	26.78	1.41E+07	0.77 Y	1.19	1.24	4.4%	
PCB-55 233'4'-TeCB	26.92	1.43E+07	0.77 Y	1.22	1.26	3.3%	
PCB-56 233'4'-TeCB	27.35	1.39E+07	0.77 Y	1.18	1.22	3.7%	
PCB-60 2344'-TeCB	27.53	1.45E+07	0.76 Y	1.24	1.28	3.5%	
PCB-80 33'55'-TeCB	27.91	1.64E+07	0.80 Y	1.37	1.44	5.0%	
PCB-79 33'45'-TeCB	29.20	1.62E+07	0.76 Y	1.37	1.42	4.1%	
PCB-78 33'45'-TeCB	29.67	1.37E+07	0.77 Y	1.19	1.21	1.3%	
PCB-104 22'466'-PeCB	23.20	1.22E+07	0.63 Y	0.92	0.92	0.3%	
PCB-96 22'366'-PeCB	23.50	1.07E+07	0.62 Y	0.81	0.81	-0.2%	
PCB-103 22'45'6'-PeCB	25.20	8.28E+06	0.61 Y	0.78	0.79	2.3%	
PCB-94 22'356'-PeCB	25.37	7.40E+06	0.62 Y	0.71	0.71	-0.5%	
PCB-95 22'35'6'-PeCB	25.75	7.77E+06	0.61 Y	0.74	0.74	0.3%	
PCB-100/93 22'44'6'-/22'356-P	25.96	1.61E+07	0.62 Y	0.75	0.77	3.4%	
PCB-102 22'456'-PeCB	26.06	7.69E+06	0.61 Y	0.75	0.74	-1.6%	
PCB-98 22'3'46'-PeCB	26.13	7.90E+06	0.62 Y	0.71	0.76	6.4%	
PCB-88 22'346'-PeCB	26.42	6.83E+06	0.63 Y	0.66	0.65	-1.6%	
PCB-91 22'34'6'-PeCB	26.49	9.07E+06	0.63 Y	0.84	0.87	3.6%	
PCB-84 22'33'6'-PeCB	26.67	6.93E+06	0.62 Y	0.65	0.66	2.1%	
PCB-89 22'346'-PeCB	27.08	7.29E+06	0.61 Y	0.69	0.70	1.6%	
PCB-121 23'45'6'-PeCB	27.47	1.06E+07	0.62 Y	0.98	1.01	3.1%	
PCB-92 22'355'-PeCB	27.78	7.43E+06	0.61 Y	0.72	0.71	-0.6%	
PCB-113/90/101 233'5'6'-/22'3	28.25	2.57E+07	0.61 Y	0.81	0.82	1.5%	
PCB-83 22'33'5'-PeCB	28.67	6.74E+06	0.60 Y	0.62	0.65	3.6%	
PCB-99 22'44'5'-PeCB	28.78	7.89E+06	0.61 Y	0.76	0.76	-1.1%	
PCB-112 233'56'-PeCB	28.87	1.03E+07	0.61 Y	0.96	0.99	2.7%	
PCB-108/119/86/97/125/87 233	29.21	5.35E+07	0.61 Y	0.83	0.85	3.3%	
PCB-117 234'56'-PeCB	29.74	9.77E+06	0.60 Y	0.94	0.94	-0.5%	
PCB-116/85 23456-/22'344'-Pe	29.82	1.75E+07	0.63 Y	0.81	0.84	3.8%	
PCB-110 233'4'6'-PeCB	29.95	9.77E+06	0.61 Y	0.92	0.94	1.6%	

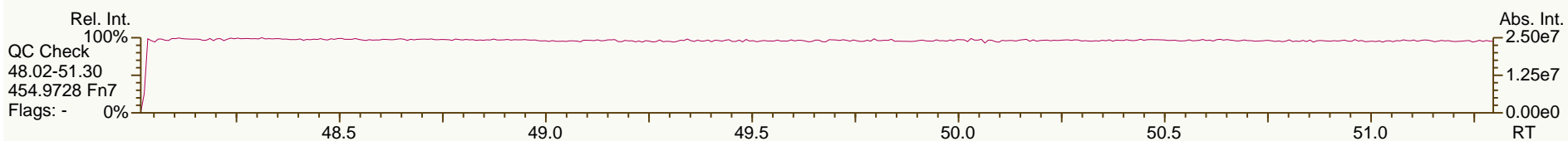
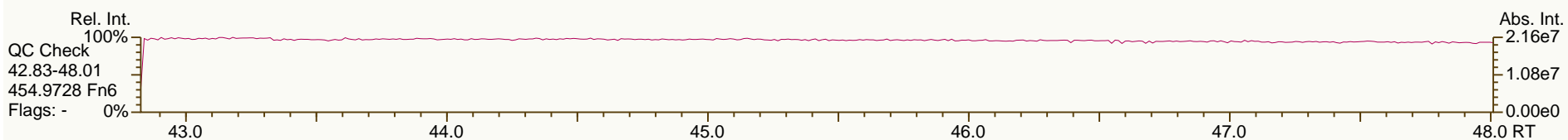
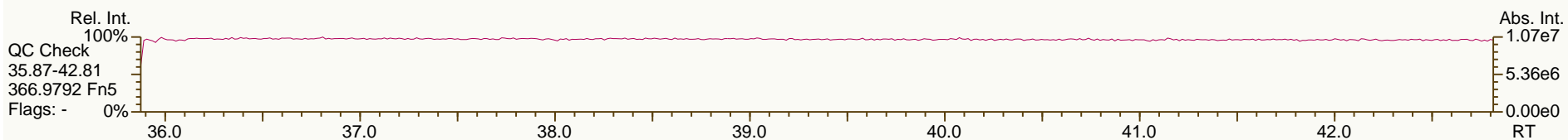
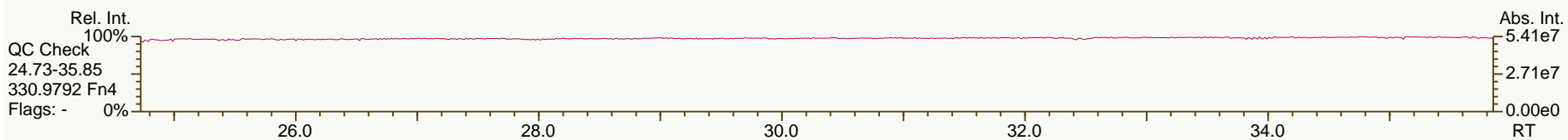
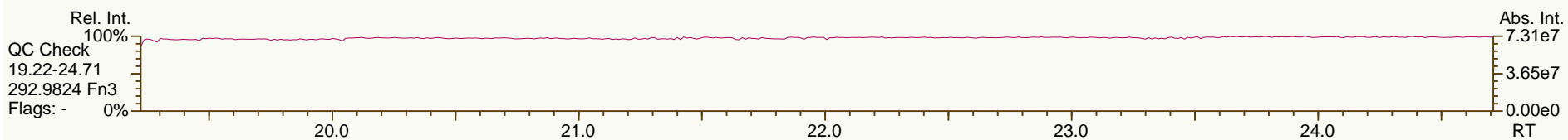
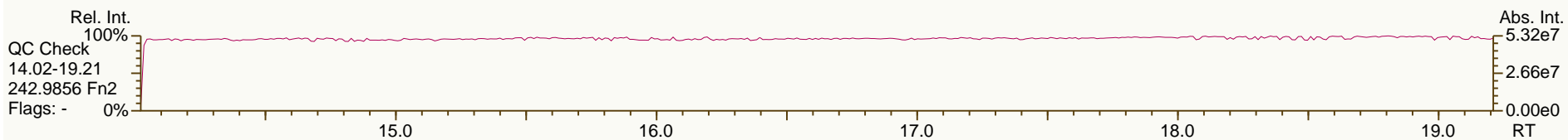
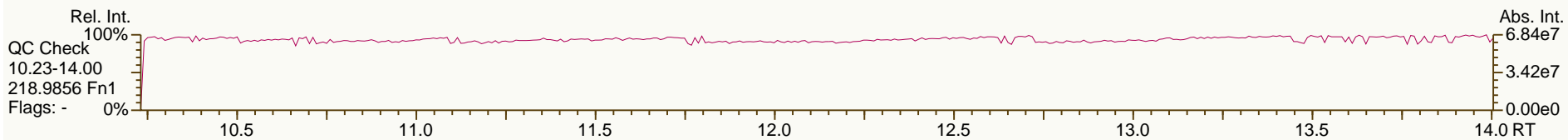
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.03	1.01E+07	0.63 Y	0.95	0.97	2.0%	
PCB-82 22'33'4-PeCB	30.21	6.53E+06	0.61 Y	0.62	0.63	1.5%	
PCB-111 233'55'-PeCB	30.58	1.04E+07	0.61 Y	0.98	1.00	1.4%	
PCB-120 23'455'-PeCB	30.97	1.06E+07	0.61 Y	0.99	1.01	1.8%	
PCB-107/124 233'4'5-/2'3455'	31.92	1.99E+07	0.62 Y	0.92	0.95	3.5%	
PCB-109 233'46-PeCB	32.12	1.07E+07	0.61 Y	1.00	1.02	2.9%	
PCB-106 233'45-PeCB	32.32	1.04E+07	0.61 Y	0.96	1.00	3.5%	
PCB-122 2'33'45-PeCB	32.78	9.49E+06	0.62 Y	0.93	1.00	7.5%	
PCB-127 33'455'-PeCB	34.75	1.02E+07	0.61 Y	1.04	1.09	4.6%	
PCB-155 22'44'66'-HxCB	28.11	1.25E+07	1.27 Y	1.06	1.08	2.1%	
PCB-152 22'3566'-HxCB	28.24	1.14E+07	1.26 Y	0.98	0.99	0.9%	
PCB-150 22'34'66'-HxCB	28.39	1.17E+07	1.26 Y	0.99	1.01	2.6%	
PCB-136 22'33'66'-HxCB	28.68	1.07E+07	1.24 Y	0.92	0.92	0.3%	
PCB-145 22'3466'HxCB	28.95	1.09E+07	1.21 Y	0.94	0.94	0.5%	
PCB-148 22'34'56'-HxCB	30.25	8.54E+06	1.23 Y	0.95	0.96	0.9%	
PCB-151/135 22'355'6-/22'33'	30.76	1.68E+07	1.24 Y	0.92	0.94	2.2%	
PCB-154 22'44'5'6-HxCB	30.98	9.24E+06	1.22 Y	1.01	1.03	1.9%	
PCB-144 22'345'6-HxCB	31.23	8.53E+06	1.24 Y	0.93	0.96	2.7%	
PCB-147/149 22'34'56-/22'34'	31.53	1.71E+07	1.24 Y	0.94	0.96	2.5%	
PCB-134 22'33'56-HxCB	31.69	6.95E+06	1.28 Y	0.78	0.78	-0.8%	
PCB-143 22'3456'-HxCB	31.77	8.19E+06	1.25 Y	0.90	0.92	2.4%	
PCB-139/140 22'344'6-/22'344'	32.04	1.76E+07	1.26 Y	0.95	0.99	3.8%	
PCB-131 22'33'46-HxCB	32.20	7.53E+06	1.27 Y	0.84	0.84	0.9%	
PCB-142 22'3456-HxCB	32.34	7.76E+06	1.30 Y	0.87	0.87	-0.1%	
PCB-132 22'33'46'-HxCB	32.58	7.80E+06	1.24 Y	0.88	0.87	-0.4%	
PCB-133 22'33'55'-HxCB	33.03	7.89E+06	1.25 Y	0.89	0.88	-0.6%	
PCB-165 233'55'6-HxCB	33.37	9.69E+06	1.28 Y	1.06	1.09	2.1%	
PCB-146 22'34'55'-HxCB	33.58	8.61E+06	1.23 Y	0.94	0.96	2.2%	
PCB-161 233'45'6-HxCB	33.69	1.06E+07	1.27 Y	1.20	1.19	-0.8%	
PCB-153/168 22'44'55'-/23'44'	34.12	2.08E+07	1.25 Y	1.15	1.16	1.4%	
PCB-141 22'3455'-HxCB	34.25	7.99E+06	1.24 Y	0.91	0.89	-2.0%	
PCB-130 22'33'45'-HxCB	34.59	7.45E+06	1.27 Y	0.82	0.83	1.5%	
PCB-137 22'344'5-HxCB	34.79	9.24E+06	1.27 Y	1.00	1.04	3.2%	
PCB-164 233'4'5'6-HxCB	34.88	1.02E+07	1.28 Y	1.14	1.14	0.3%	
PCB-163/138/129 233'4'56-/22'	35.16	2.66E+07	1.26 Y	0.98	0.99	0.7%	
PCB-160 233'456-HxCB	35.29	1.04E+07	1.25 Y	1.14	1.17	2.0%	
PCB-158 233'44'6-HxCB	35.48	1.12E+07	1.28 Y	1.24	1.26	1.1%	
PCB-128/166 22'33'44'-/2344'5	36.20	1.65E+07	1.24 Y	0.86	0.90	4.5%	
PCB-159 233'455'-HxCB	37.05	9.41E+06	1.24 Y	1.03	1.03	0.2%	
PCB-162 233'4'55'-HxCB	37.29	9.81E+06	1.22 Y	1.04	1.07	3.3%	
PCB-188 22'34'566'-HpCB	32.96	1.21E+07	1.06 Y	1.07	1.07	0.4%	
PCB-179 22'33'566'-HpCB	33.23	1.13E+07	1.04 Y	0.98	1.00	2.4%	
PCB-184 22'344'66'-HpCB	33.70	1.08E+07	1.07 Y	0.97	0.95	-1.9%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
Lab ID:	CS3_120126_PCB_SB			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.98	1.22E+07	1.06 Y	1.06	1.08	1.2%	
PCB-186 22'34566'-HpCB	34.36	1.16E+07	1.05 Y	1.02	1.03	0.9%	
PCB-178 22'33'55'6'-HpCB	35.53	8.75E+06	1.07 Y	0.77	0.78	0.5%	
PCB-175 22'33'45'6'-HpCB	36.08	7.76E+06	1.07 Y	0.89	0.90	0.8%	
PCB-187 22'34'55'6'-HpCB	36.31	8.13E+06	1.04 Y	0.94	0.94	0.8%	
PCB-182 22'344'56'-HpCB	36.48	8.46E+06	1.05 Y	0.95	0.98	3.4%	
PCB-183 22'344'5'6'-HpCB	36.83	9.15E+06	1.03 Y	0.96	1.06	10.9%	
PCB-185 22'3455'6'-HpCB	36.90	7.56E+06	1.04 Y	0.93	0.88	-5.7%	
PCB-174 22'33'456'-HpCB	37.01	6.92E+06	1.06 Y	0.80	0.80	0.2%	
PCB-177 22'33'4'56'-HpCB	37.38	7.16E+06	1.01 Y	0.82	0.83	1.8%	
PCB-181 22'344'56'-HpCB	37.73	8.22E+06	1.03 Y	0.91	0.95	4.5%	
PCB-171/173 22'33'44'6'-/22'3	37.90	1.46E+07	1.03 Y	0.81	0.85	4.0%	
PCB-172 22'33'455'-HpCB	39.29	7.41E+06	1.02 Y	0.83	0.86	4.0%	
PCB-192 233'455'6'-HpCB	39.54	9.52E+06	1.03 Y	1.09	1.10	1.1%	
PCB-180/193 22'344'55'-/233'	39.81	1.80E+07	1.03 Y	1.01	1.04	2.9%	
PCB-191 233'44'5'6'-HpCB	40.14	9.88E+06	1.03 Y	1.13	1.15	1.1%	
PCB-170 22'33'44'5'-HpCB	40.89	7.32E+06	1.03 Y	1.00	1.02	2.4%	
PCB-190 233'44'56'-HpCB	41.35	9.73E+06	1.02 Y	1.35	1.36	0.4%	
PCB-202 22'33'55'66'-OcCB	37.50	8.66E+06	0.89 Y	0.83	0.83	-0.1%	
PCB-201 22'33'45'66'-OcCB	38.28	9.93E+06	0.89 Y	0.93	0.95	2.3%	
PCB-204 22'344'566'-OcCB	38.86	9.26E+06	0.89 Y	0.89	0.88	-0.9%	
PCB-197 22'33'44'66'-OcCB	39.05	9.55E+06	0.84 Y	0.91	0.91	-0.2%	
PCB-200 22'33'4566'-OcCB	39.12	9.97E+06	0.89 Y	0.93	0.95	2.4%	
PCB-198/199 22'33'455'6'-/22'	41.48	1.46E+07	0.88 Y	0.68	0.69	1.7%	
PCB-196 22'33'44'56'-OcCB	42.05	7.51E+06	0.89 Y	0.72	0.72	-0.1%	
PCB-203 22'344'55'6'-OcCB	42.22	7.74E+06	0.90 Y	0.74	0.74	0.1%	
PCB-195 22'33'44'56'-OcCB	43.33	5.96E+06	0.92 Y	0.81	0.82	1.4%	
PCB-194 22'33'44'55'-OcCB	45.31	6.37E+06	0.88 Y	0.86	0.88	2.5%	
PCB-205 233'44'55'6'-OcCB	45.71	7.93E+06	0.88 Y	1.09	1.09	0.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.72E+06	0.80 Y	0.98	0.98	0.7%	
PCB-207 22'33'44'566'-NoCB	43.93	8.06E+06	0.76 Y	1.02	1.03	1.0%	
PCB-206 22'33'44'55'6'-NoCB	47.17	5.92E+06	0.80 Y	0.93	0.95	1.4%	

AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

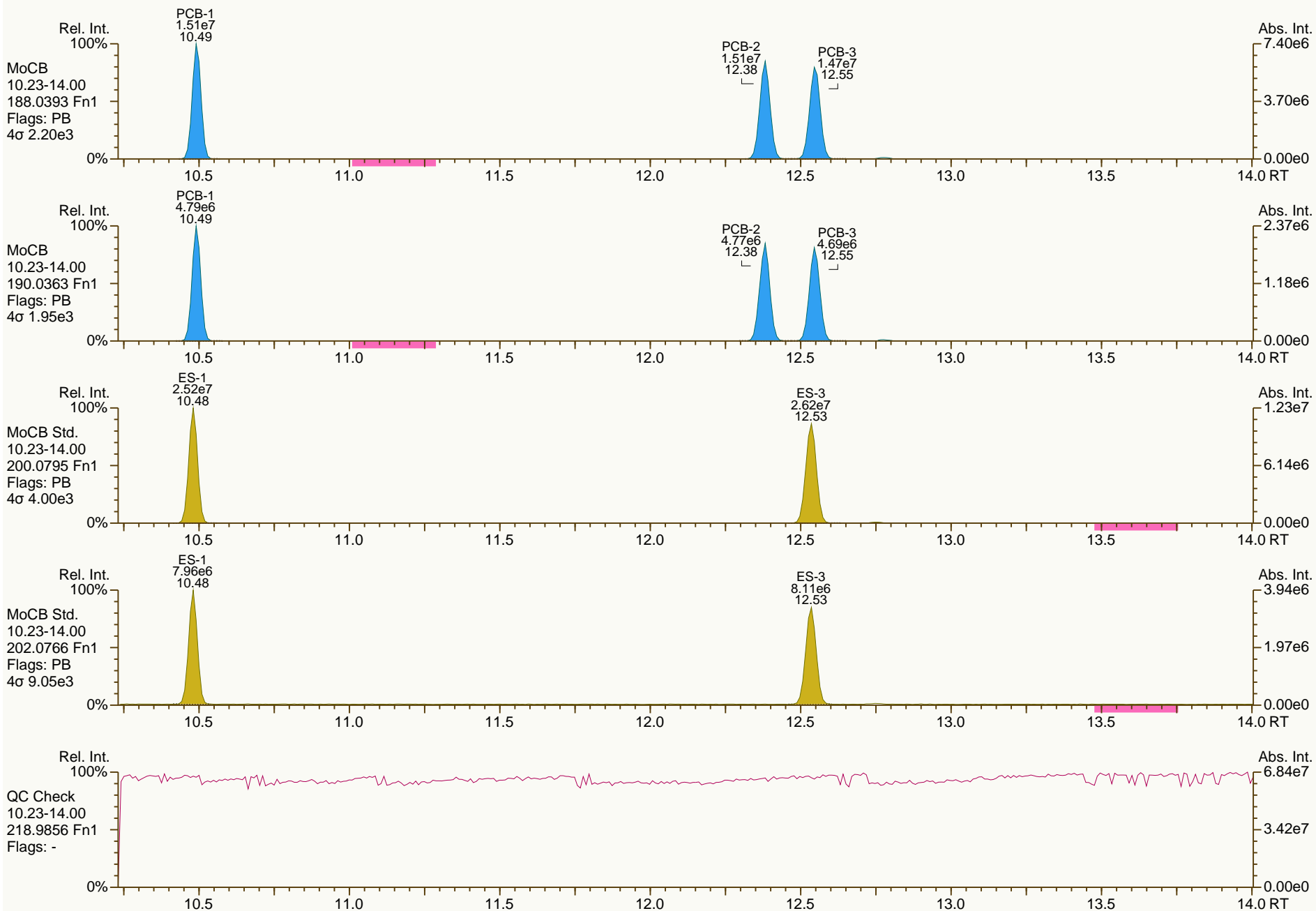
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

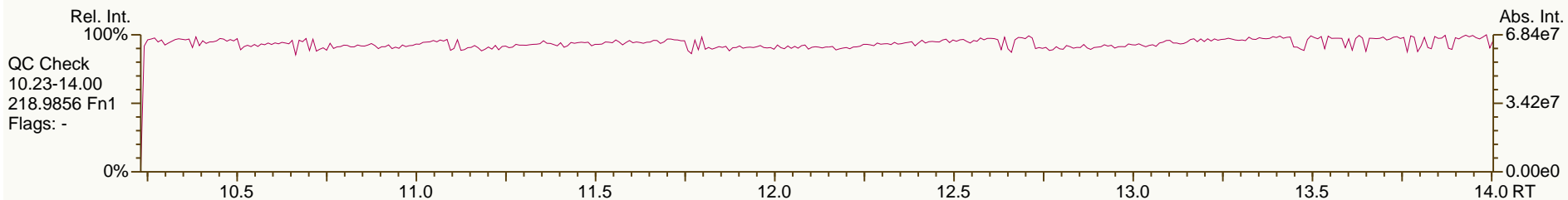
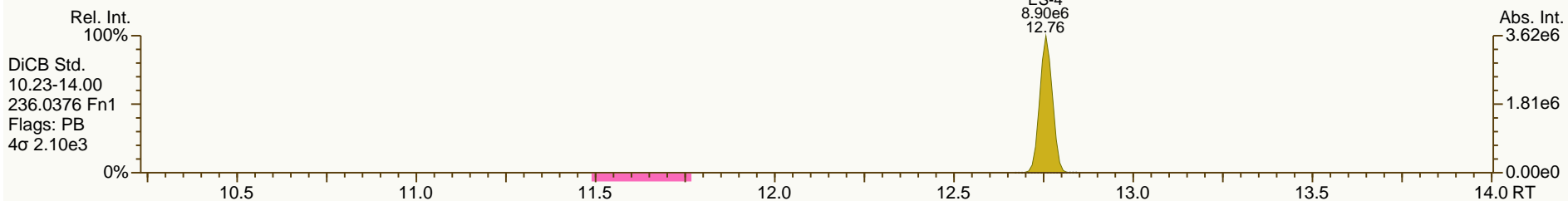
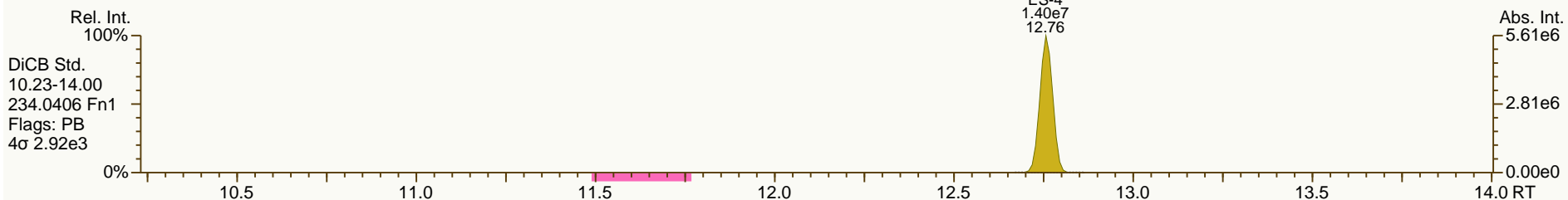
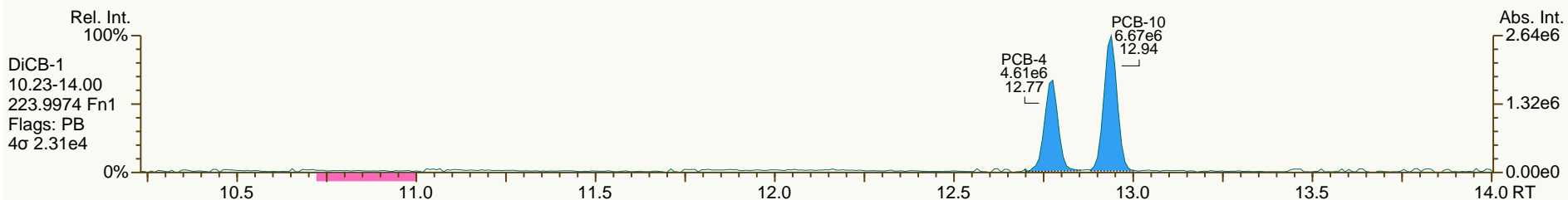
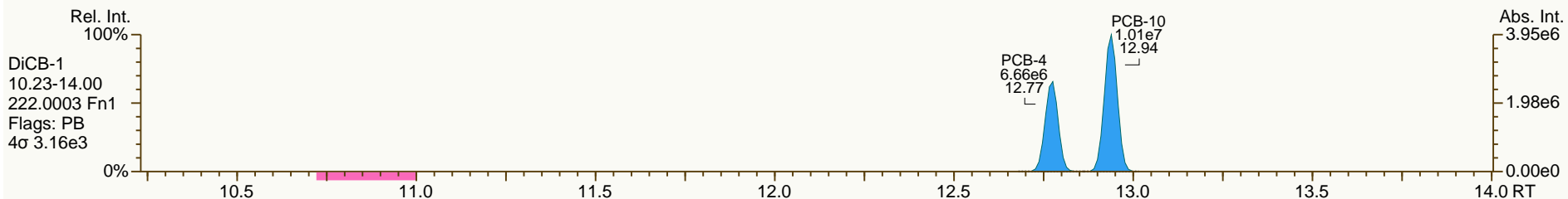
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

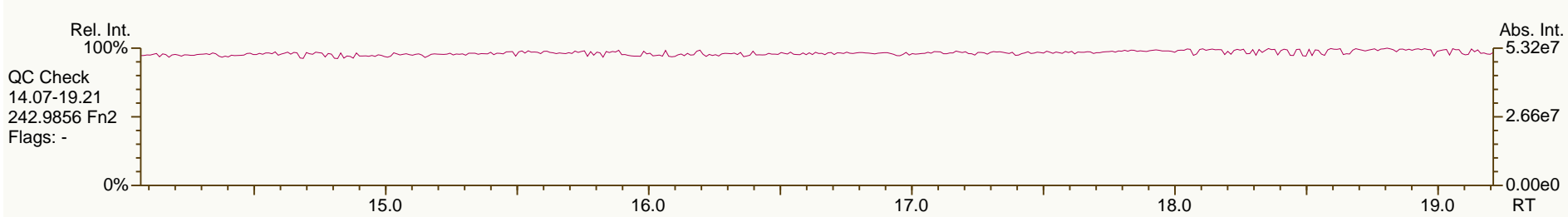
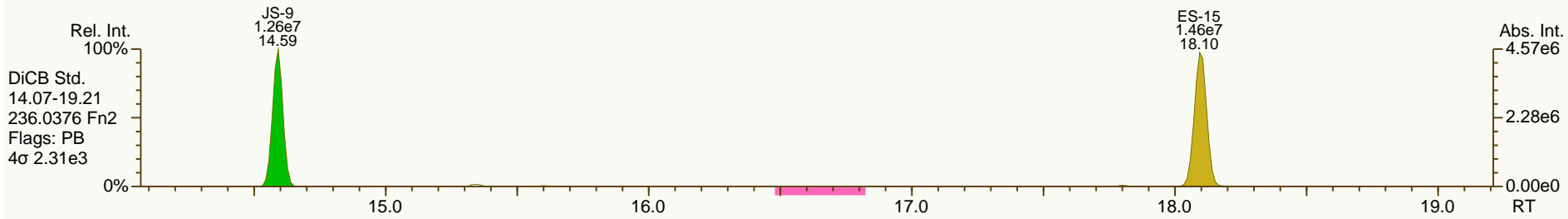
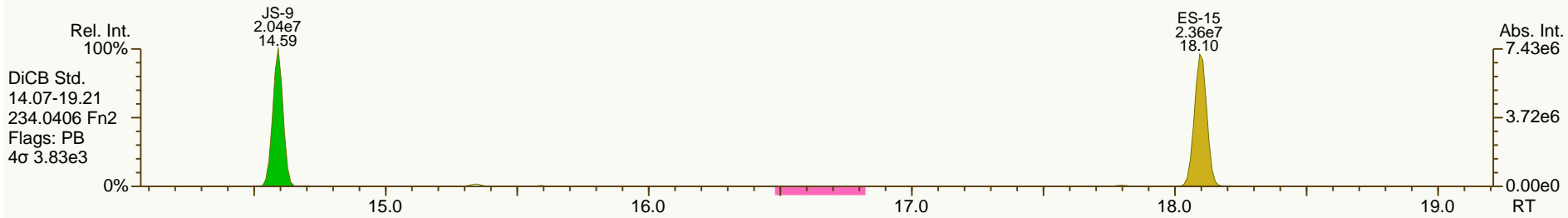
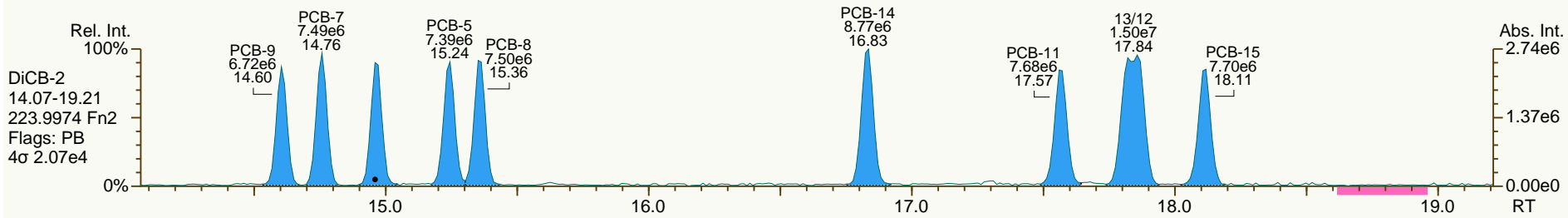
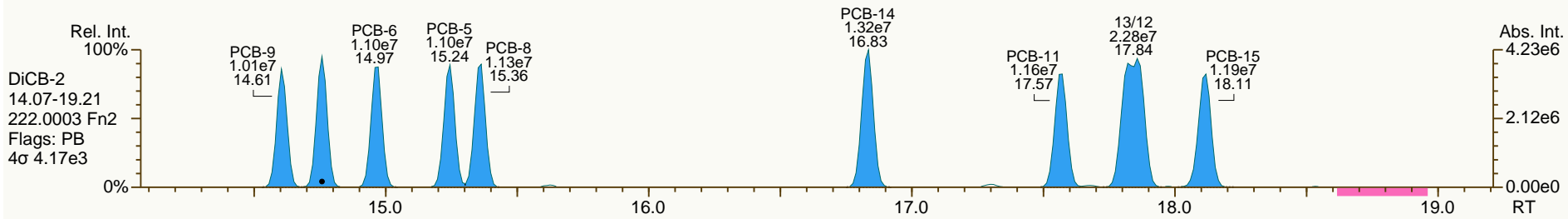
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

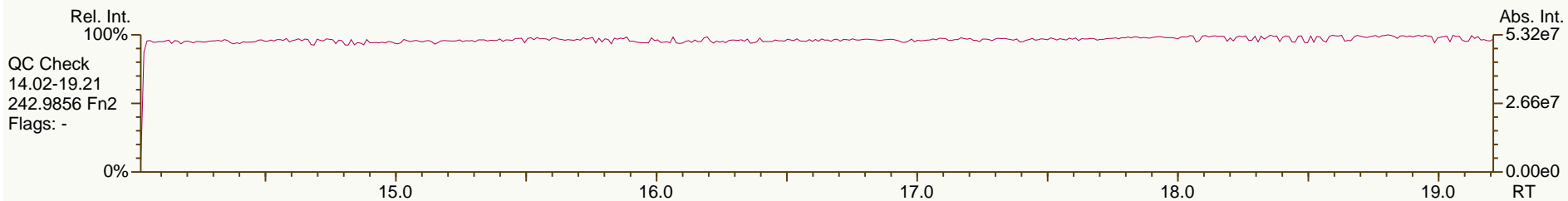
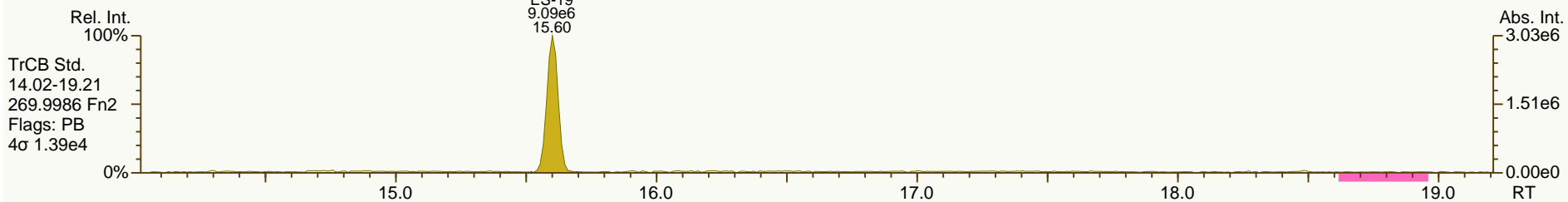
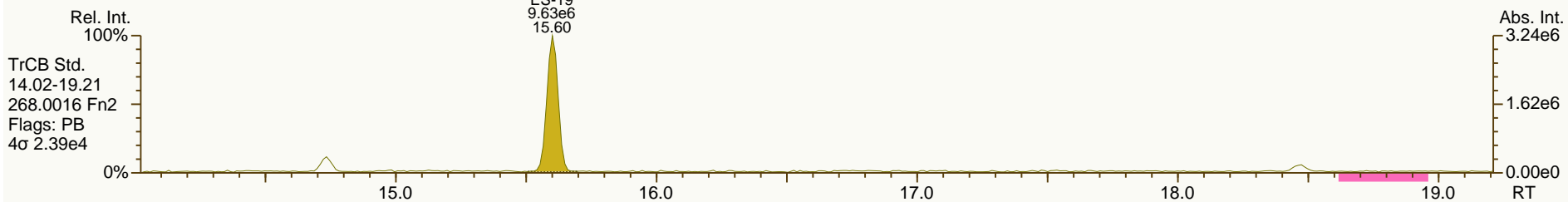
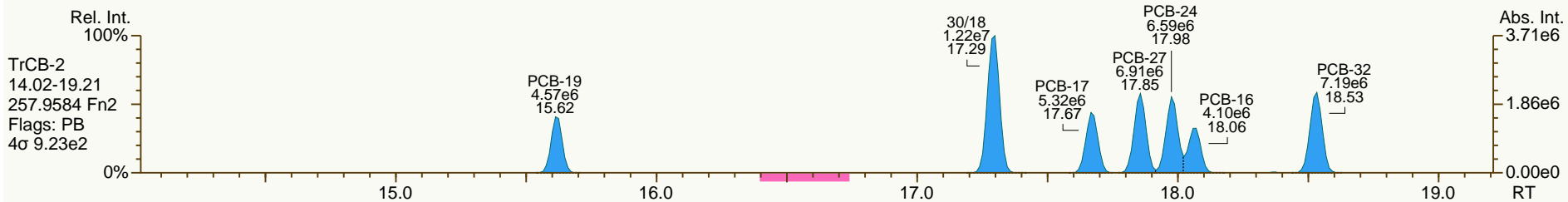
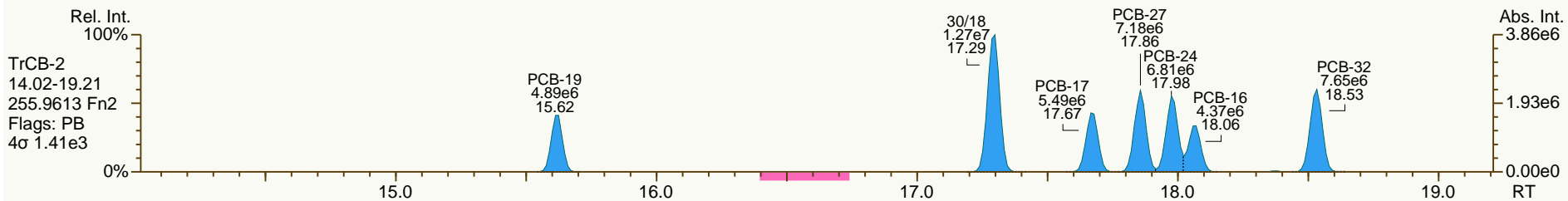
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

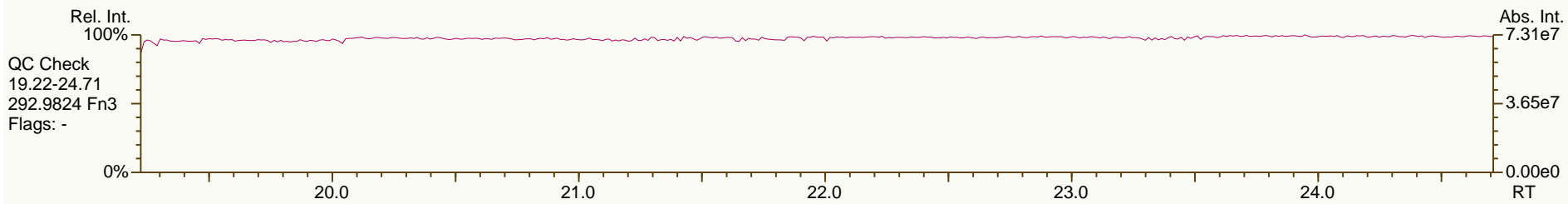
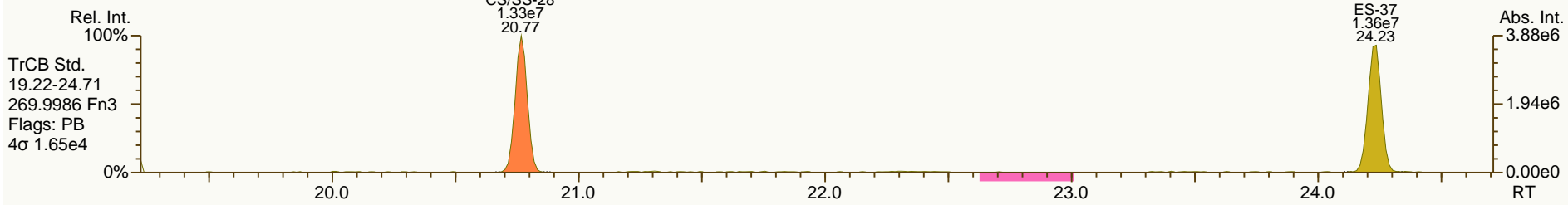
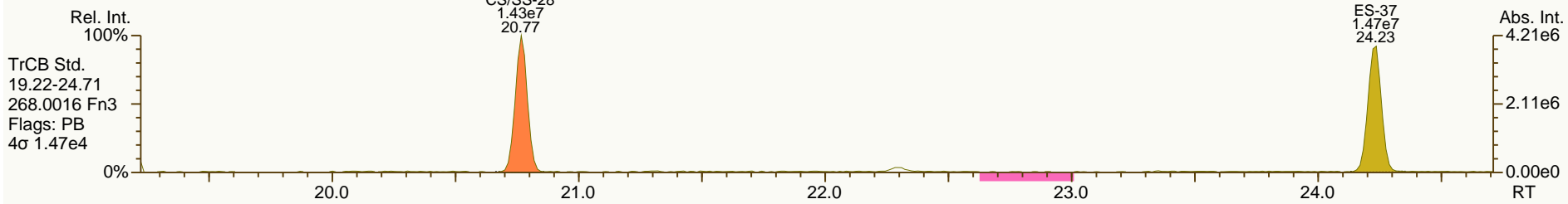
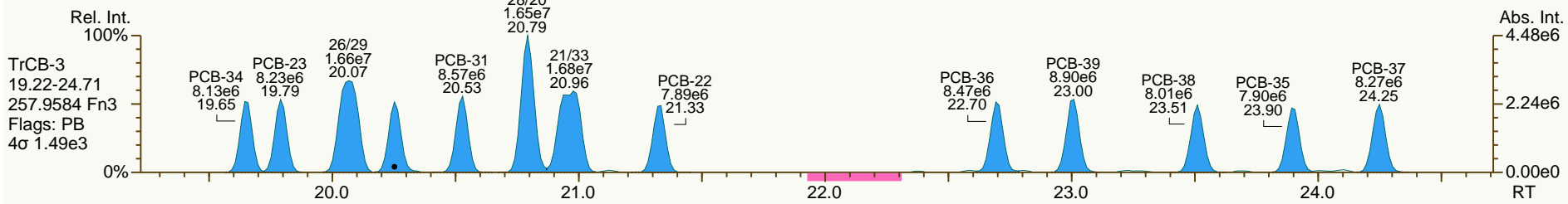
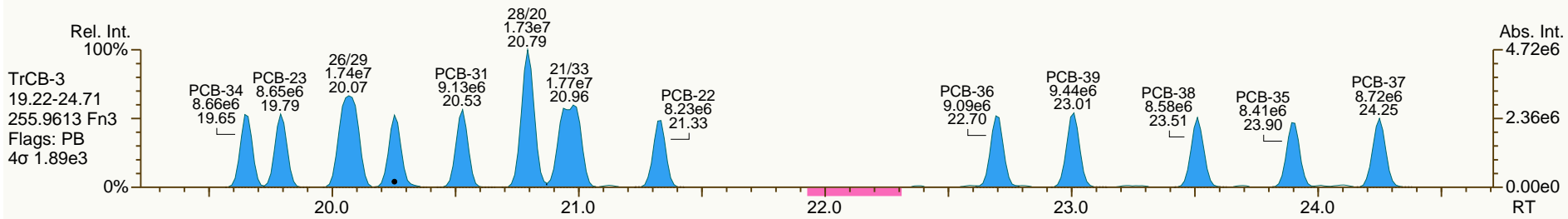
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

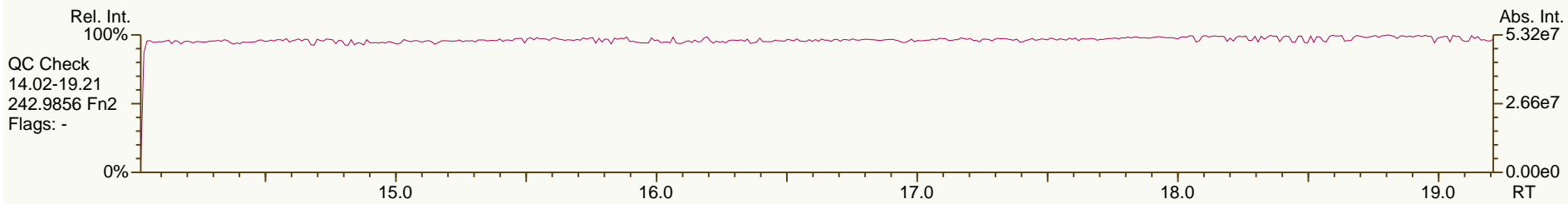
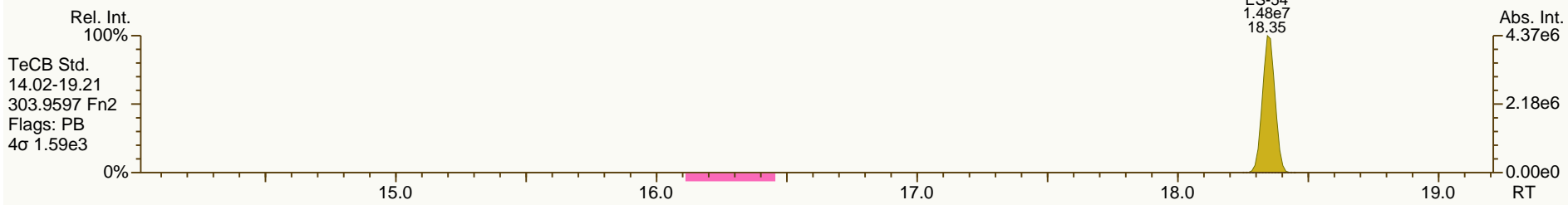
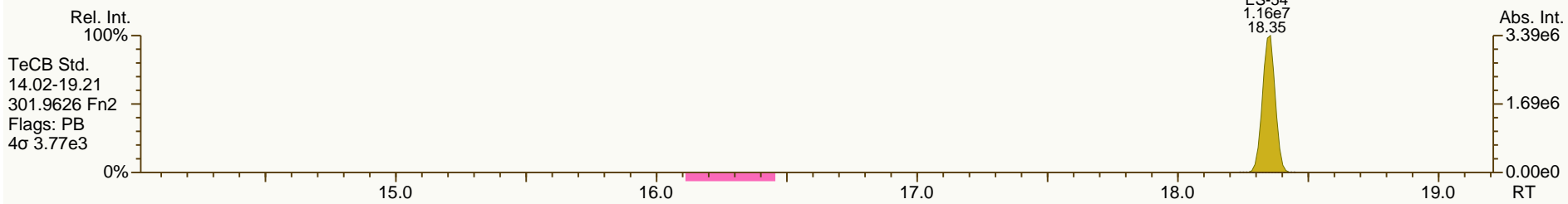
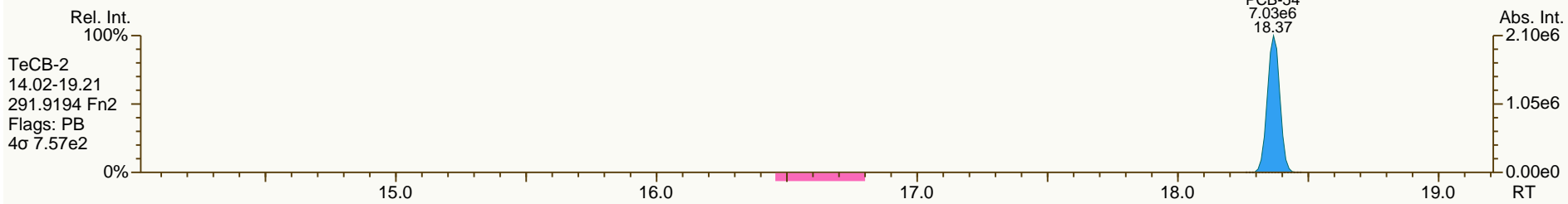
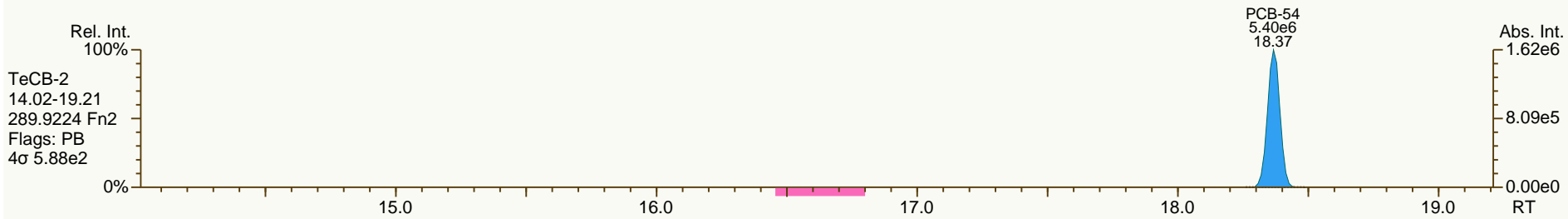
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

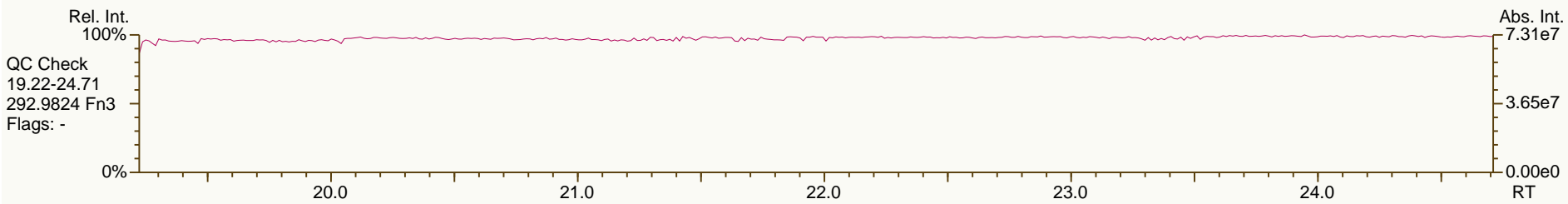
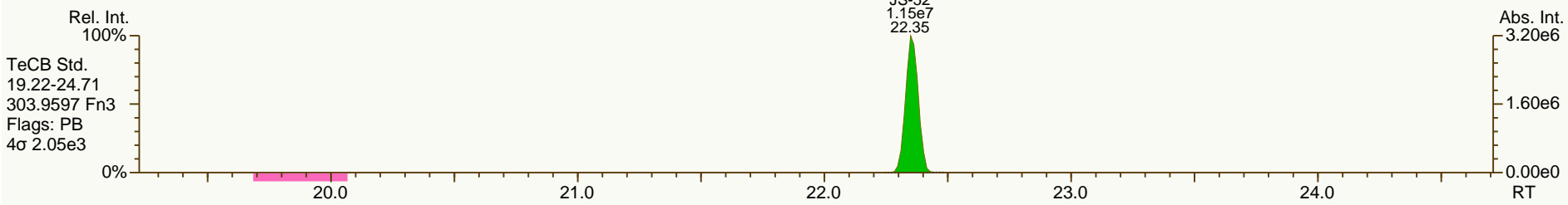
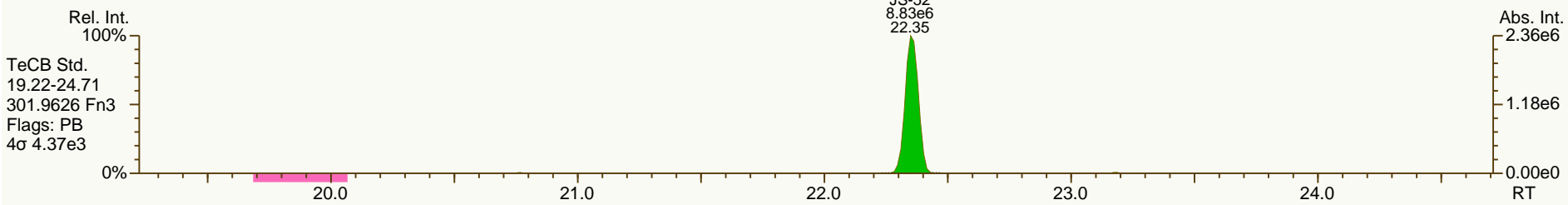
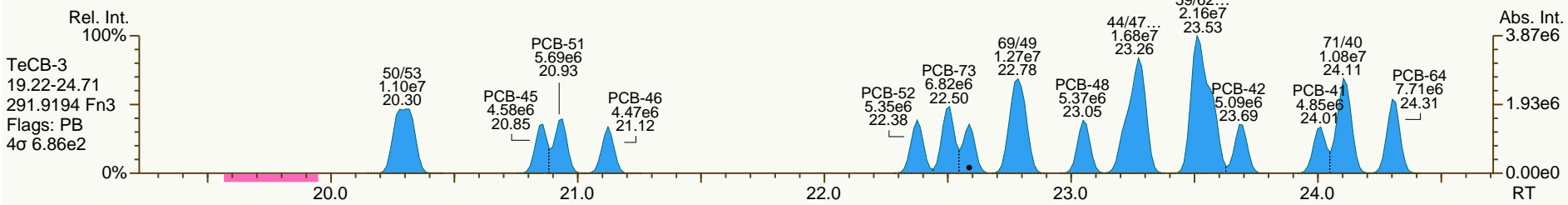
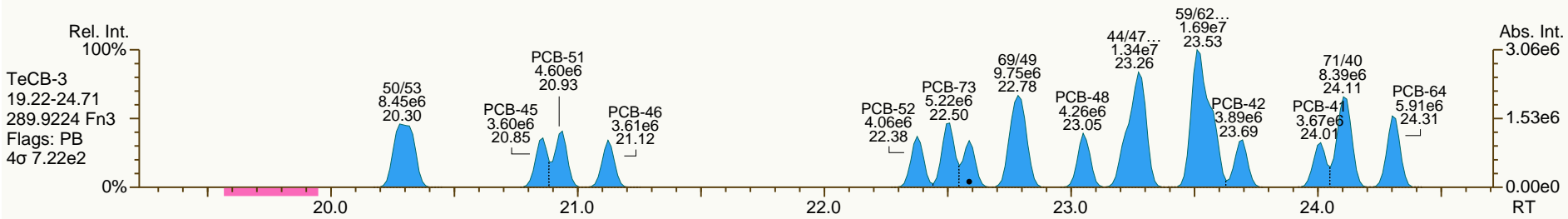
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

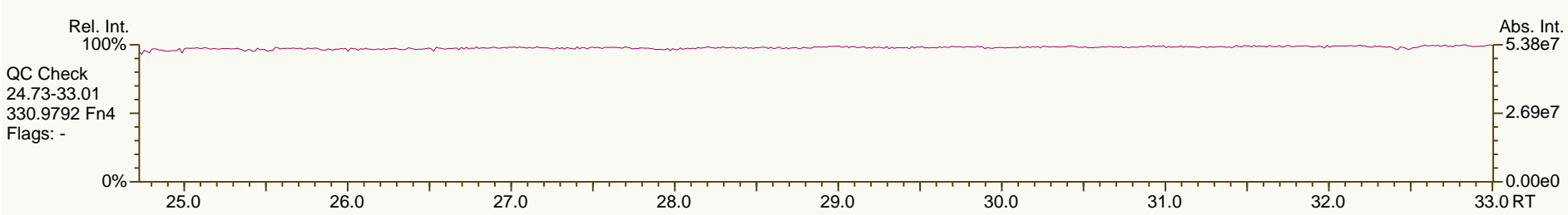
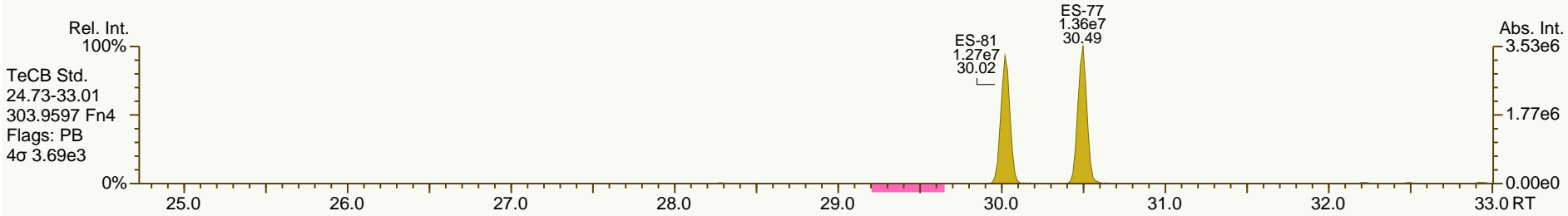
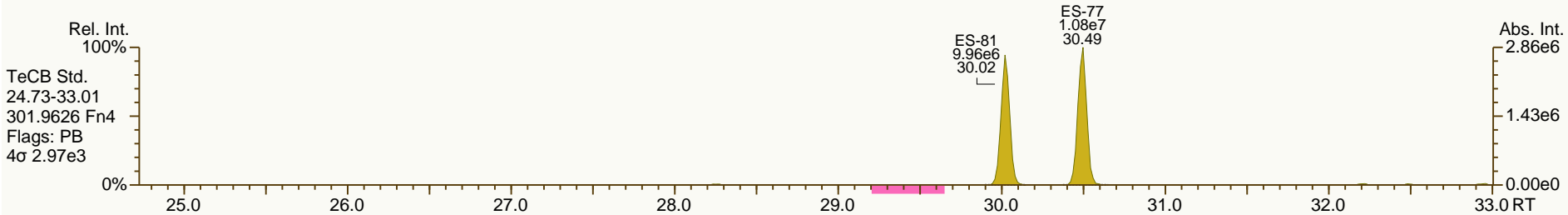
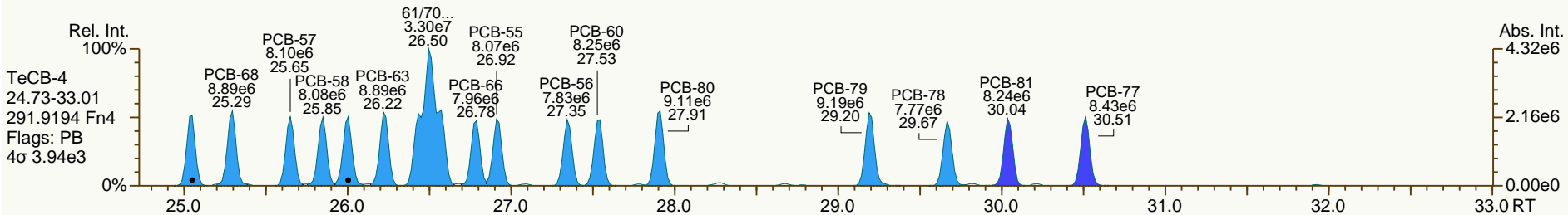
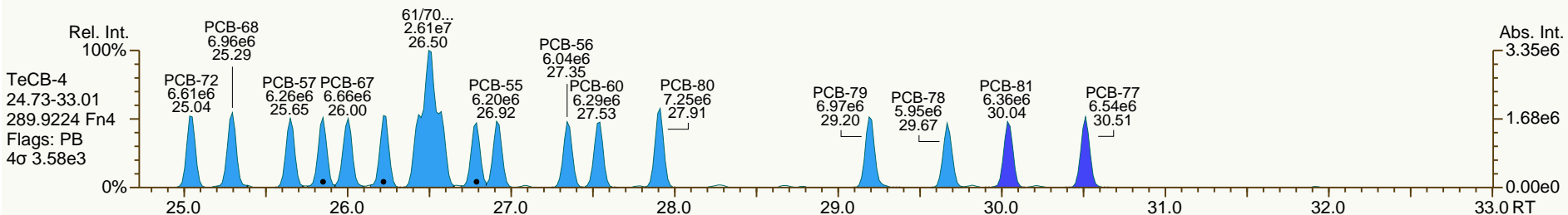
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

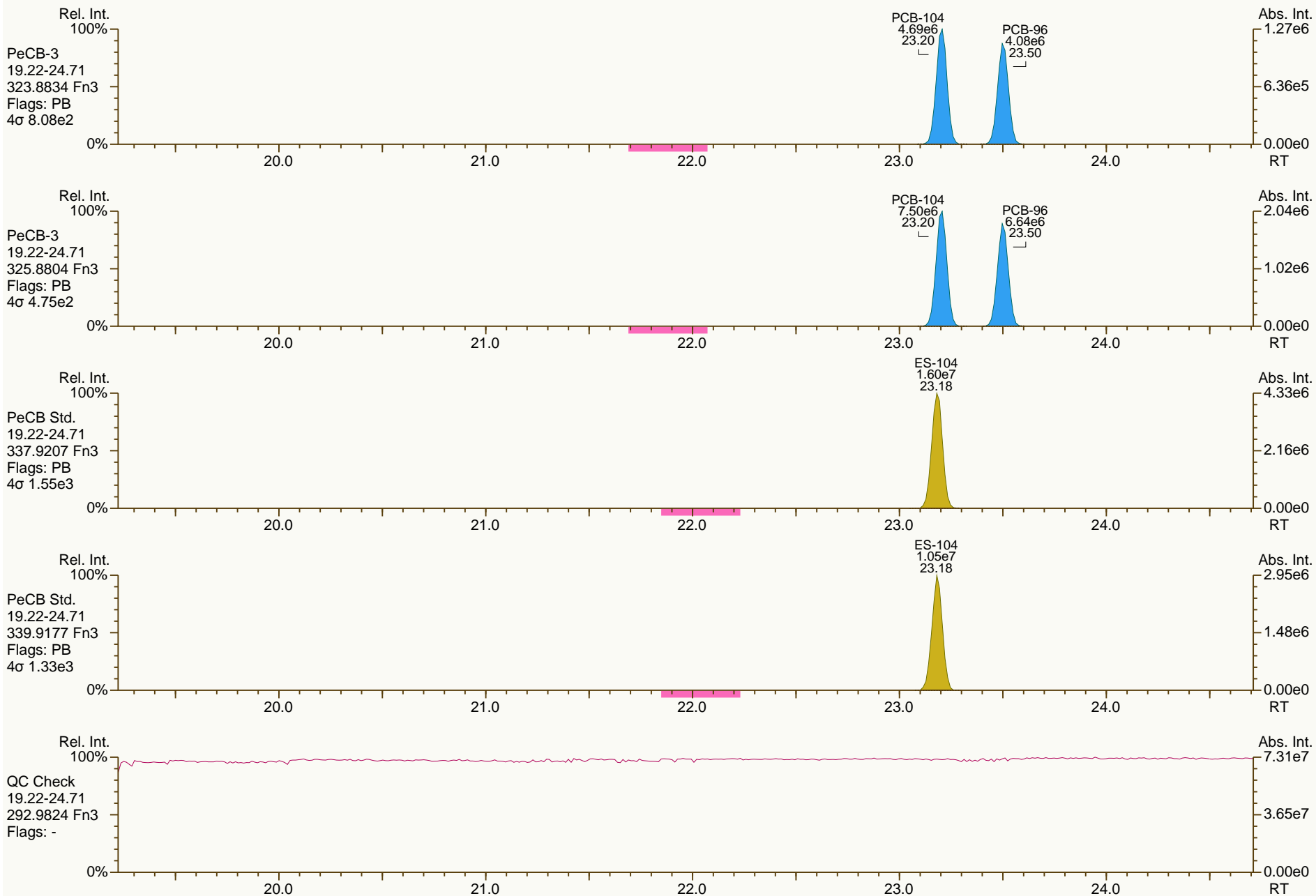
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

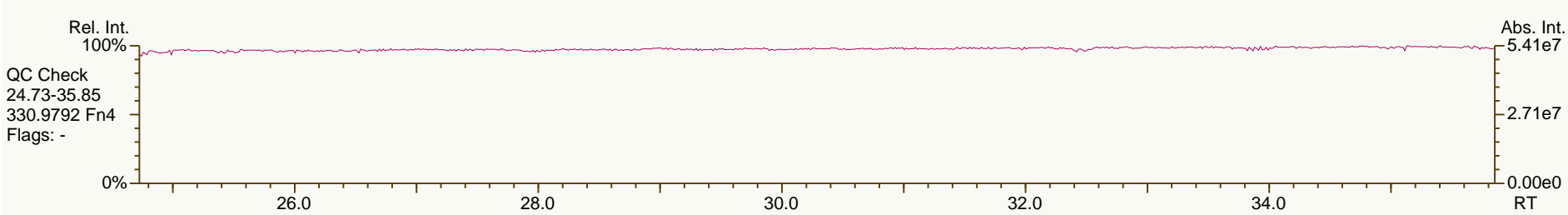
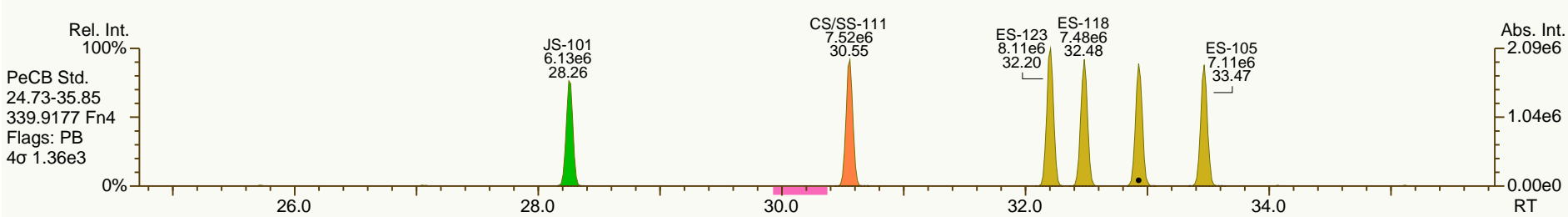
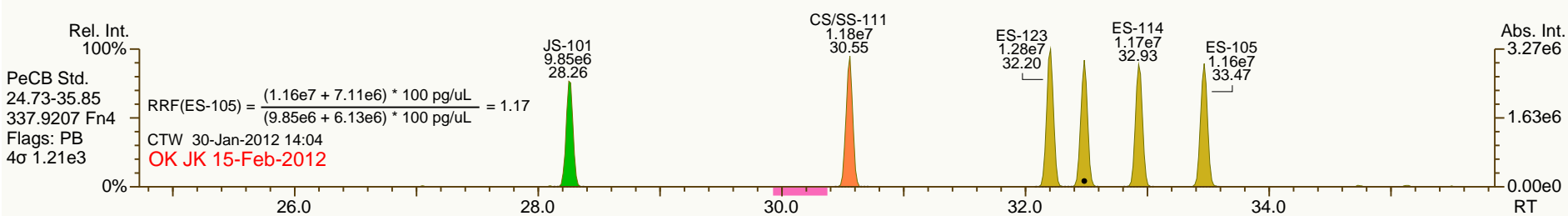
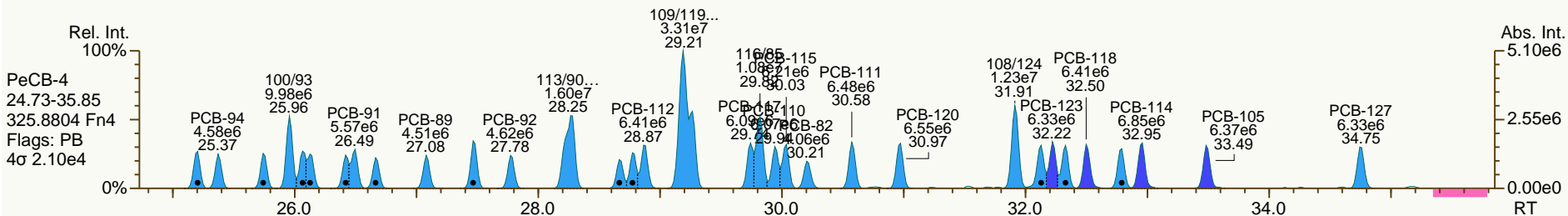
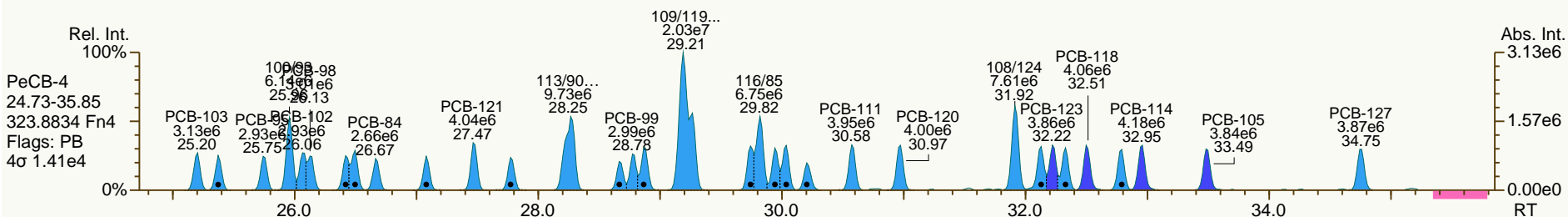
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

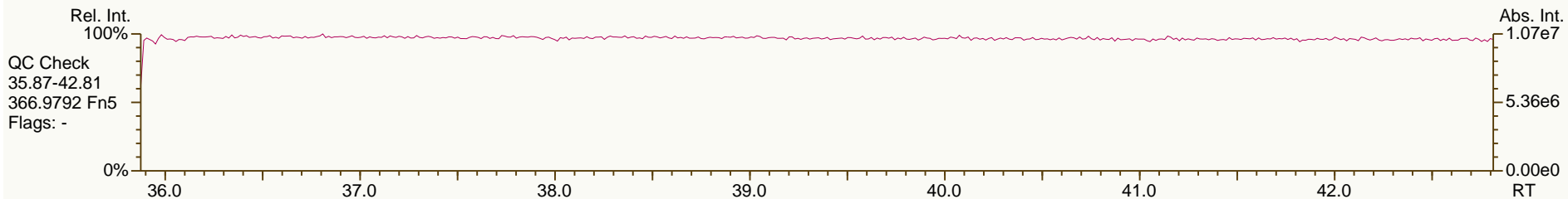
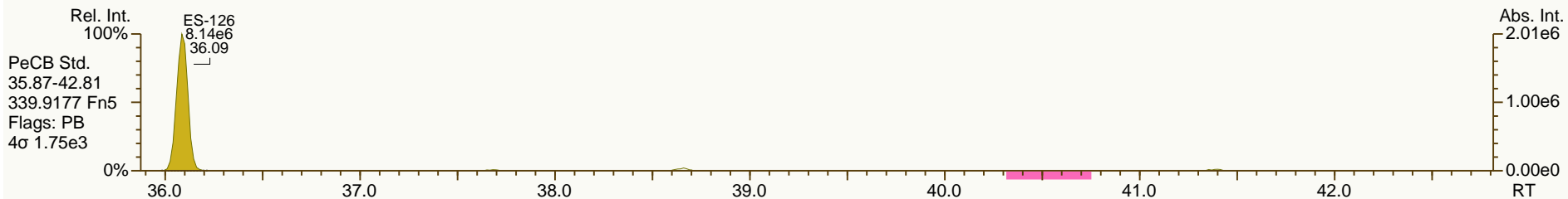
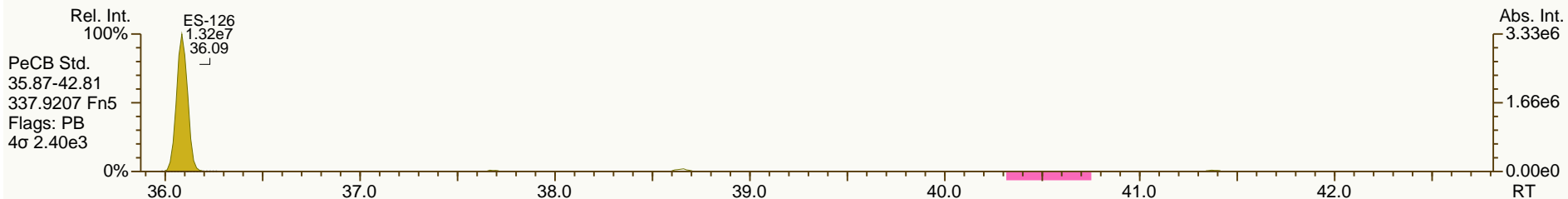
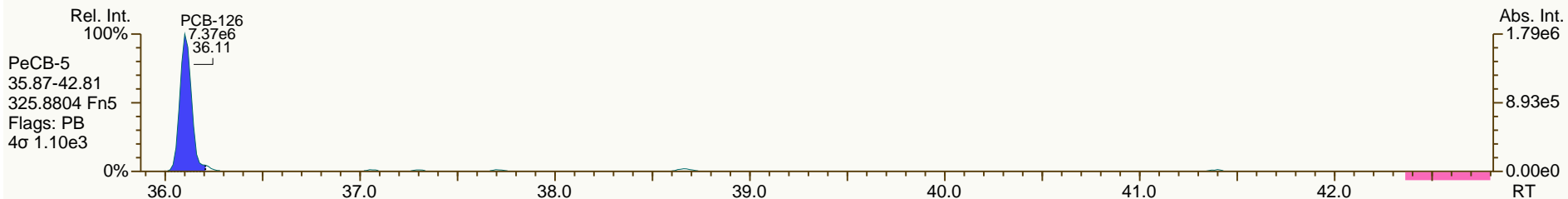
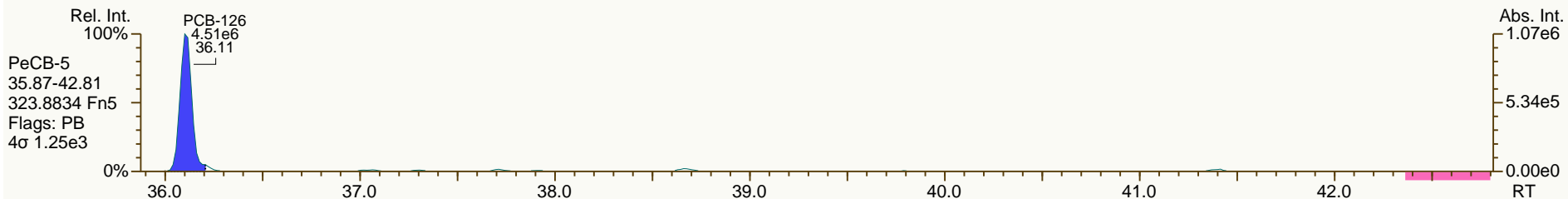
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

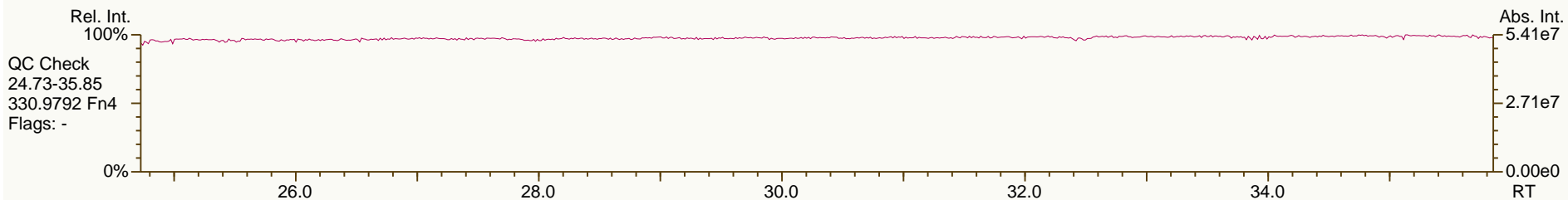
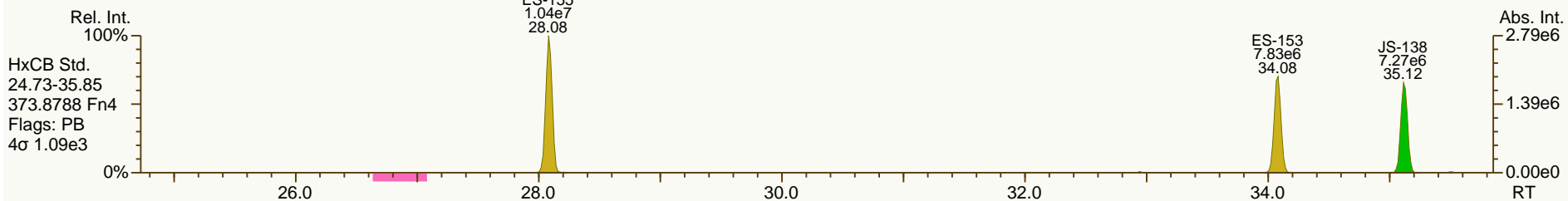
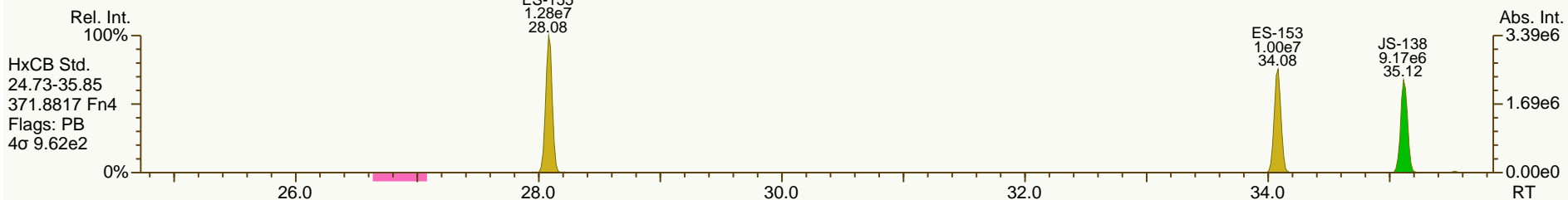
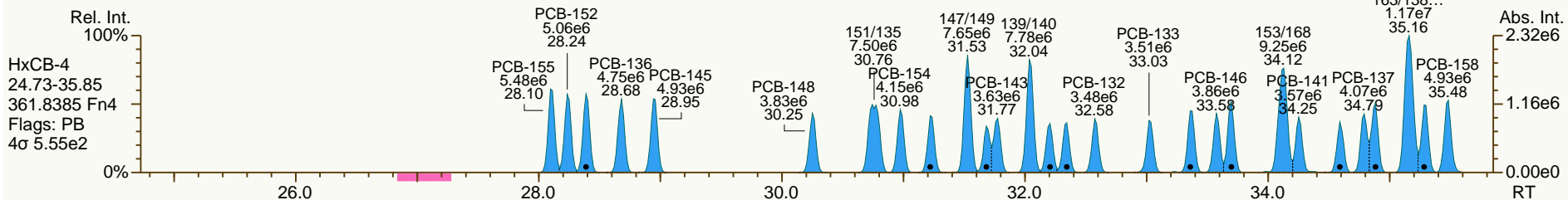
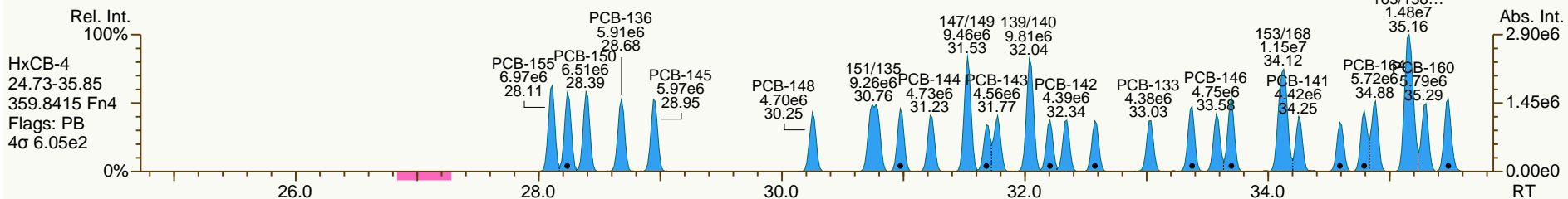
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

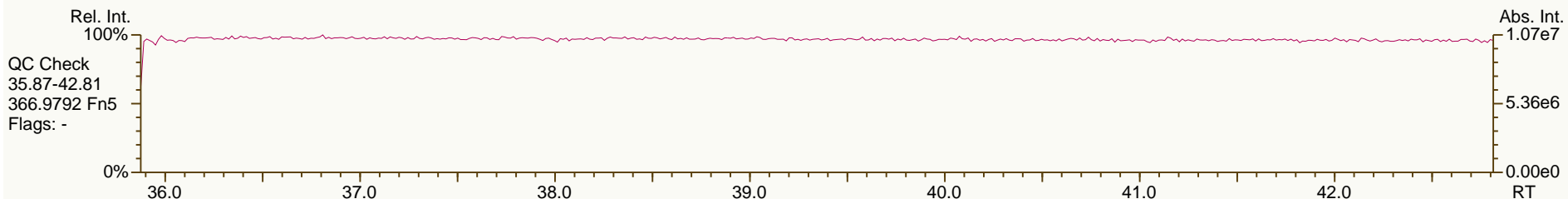
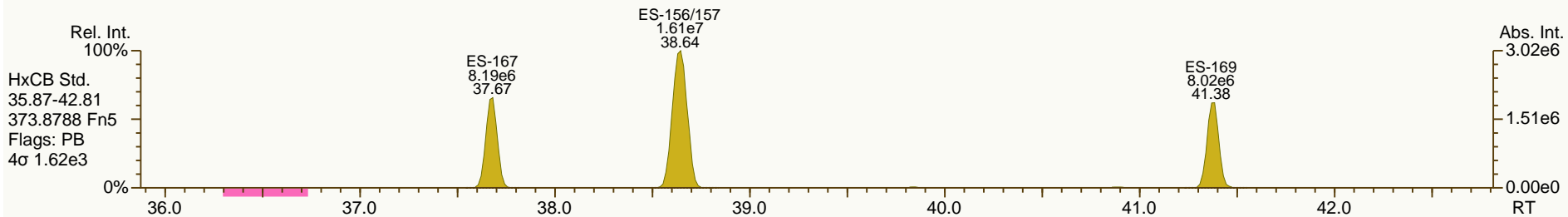
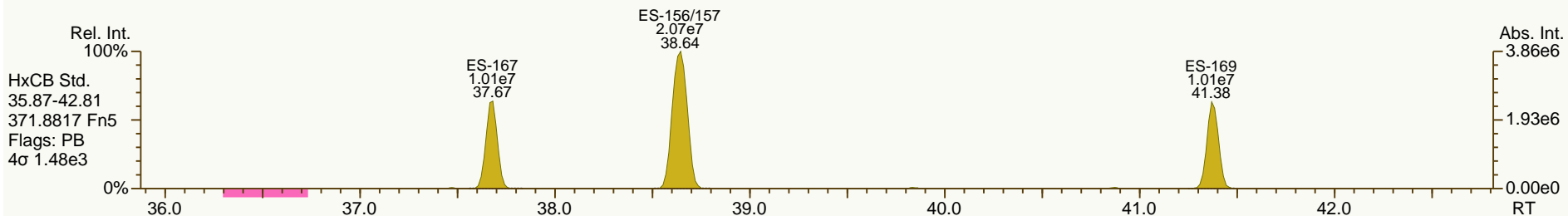
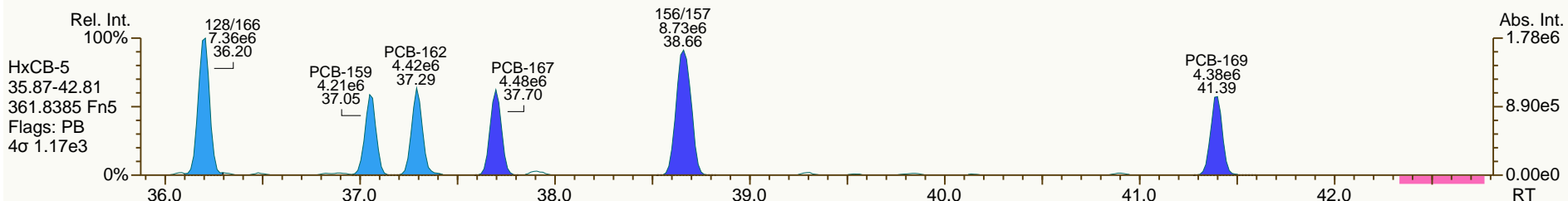
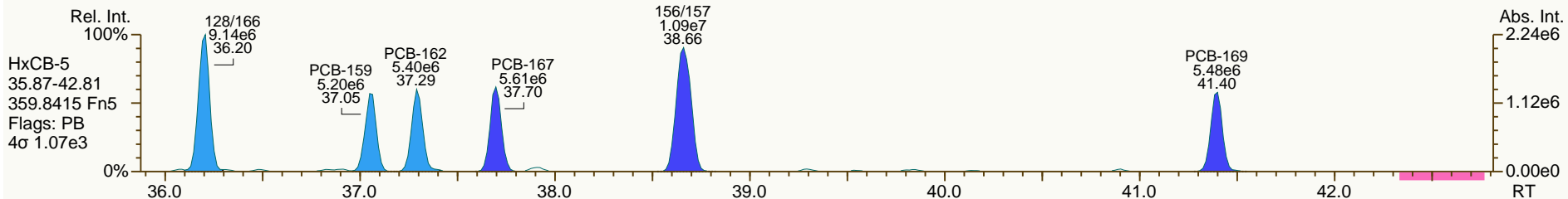
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

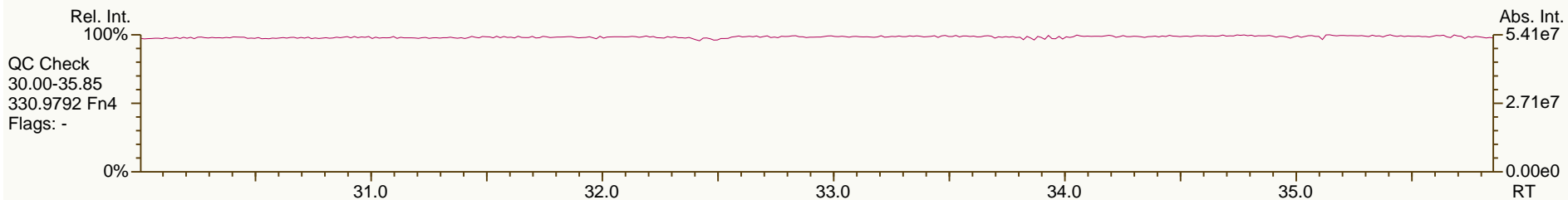
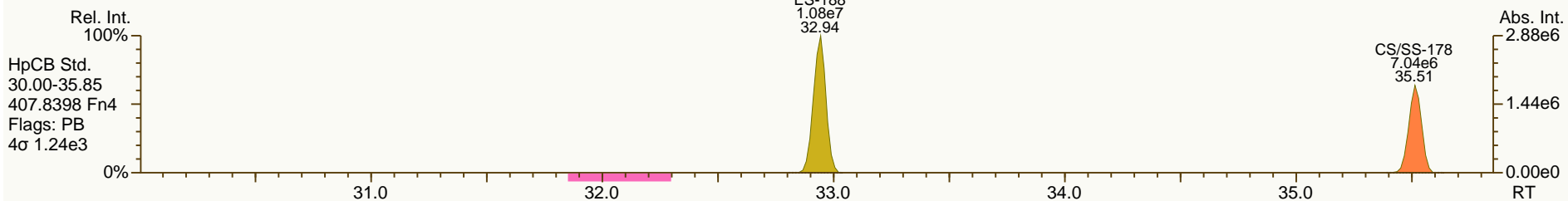
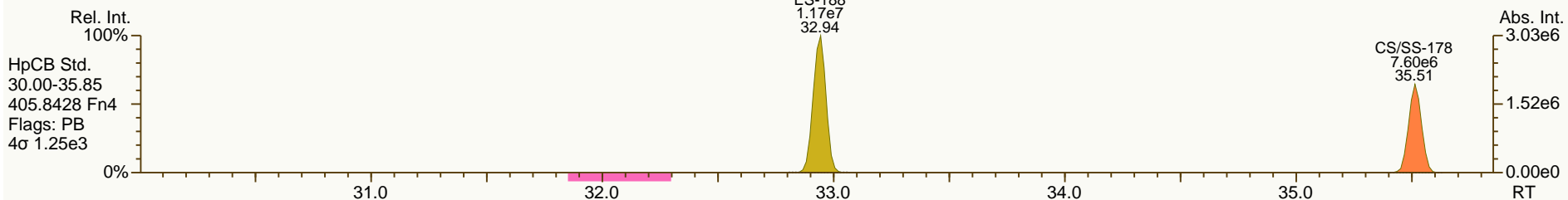
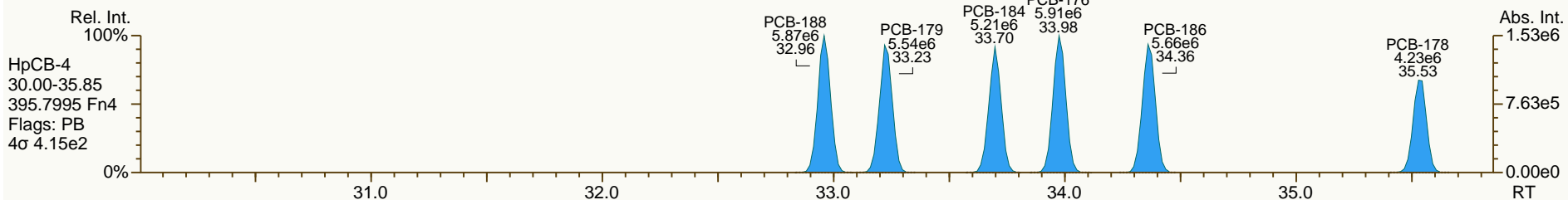
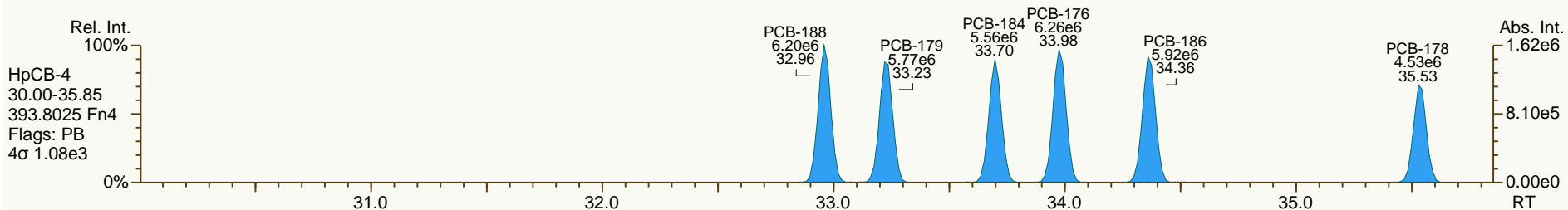
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

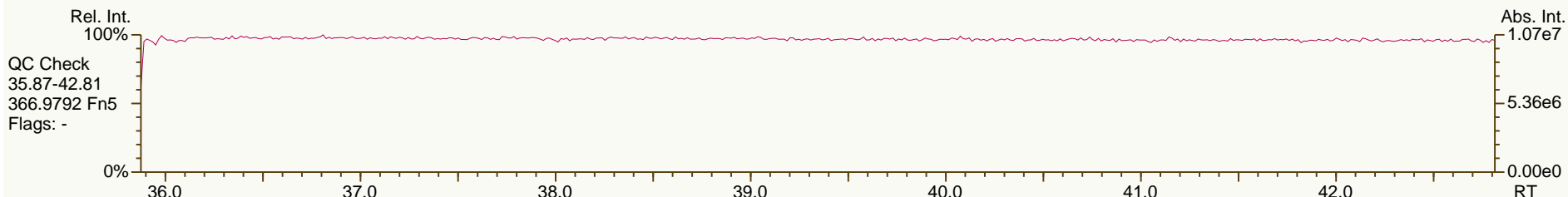
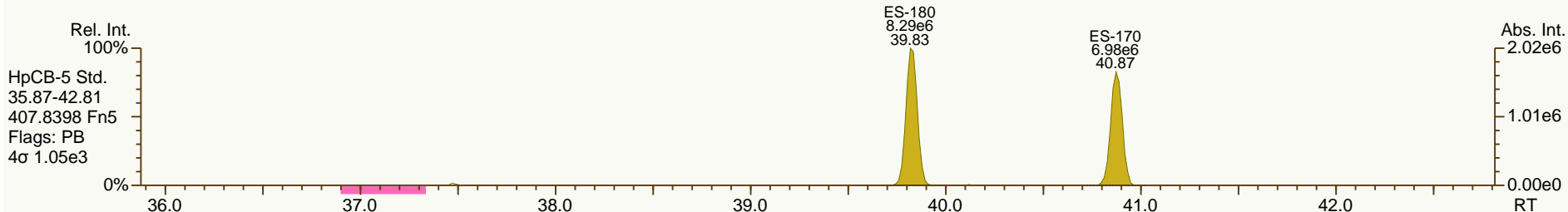
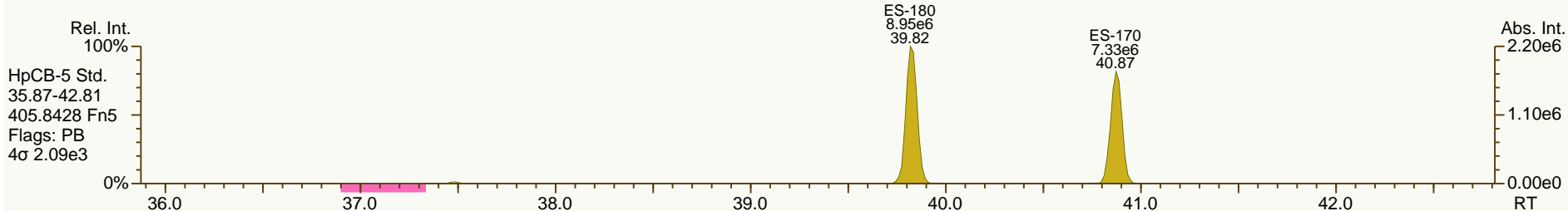
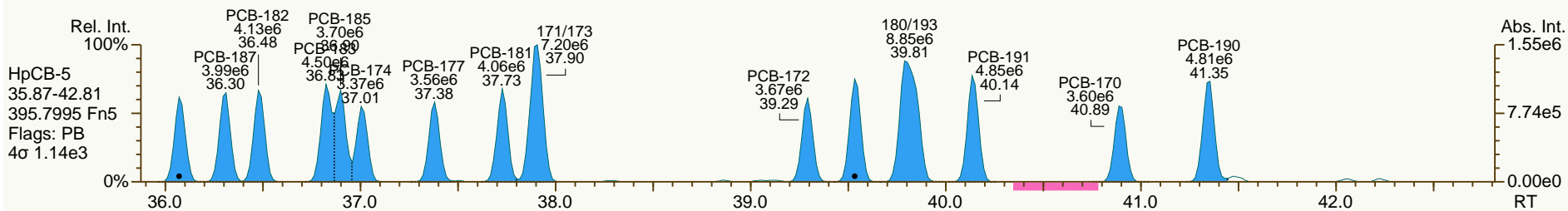
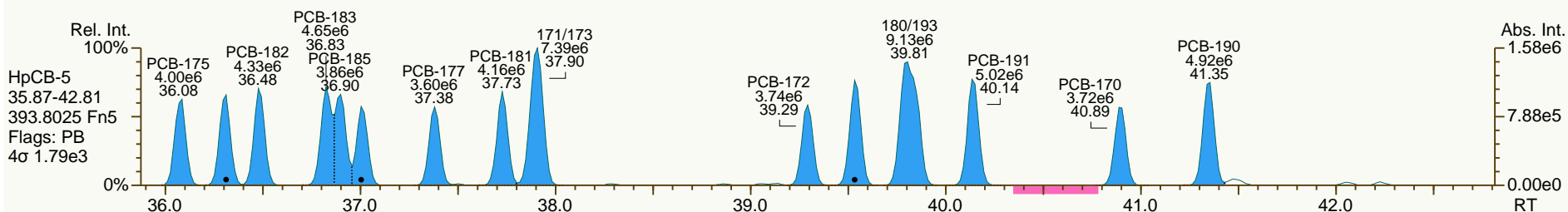
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

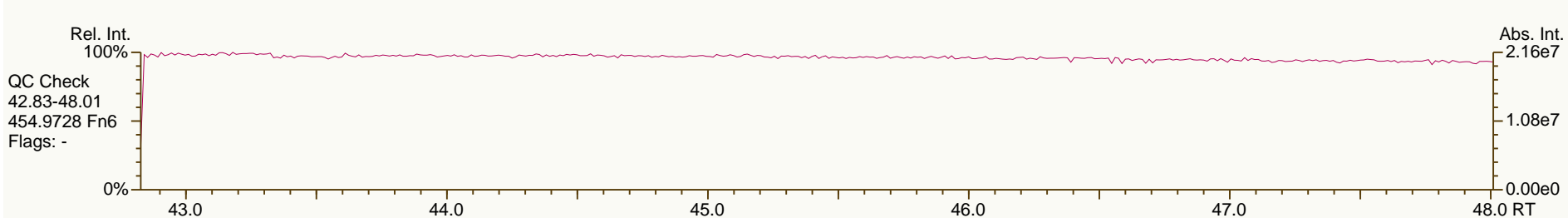
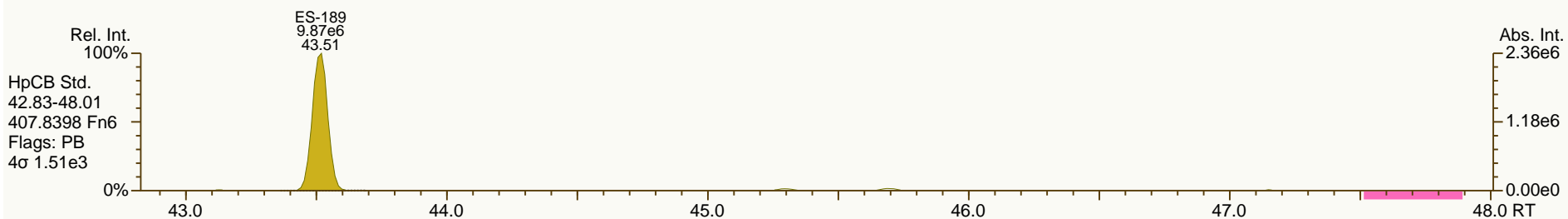
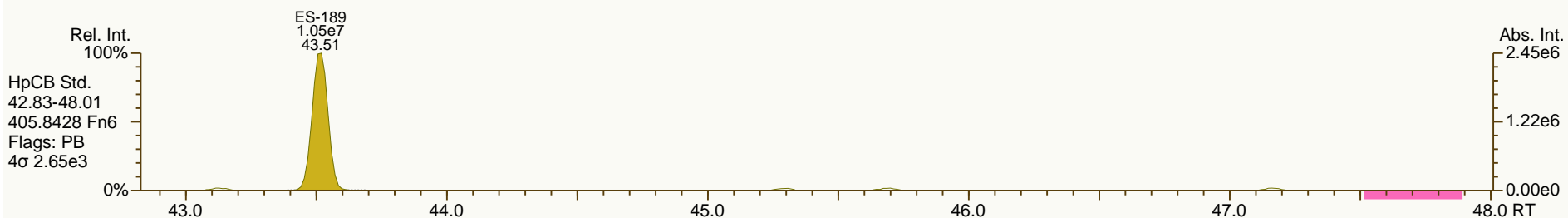
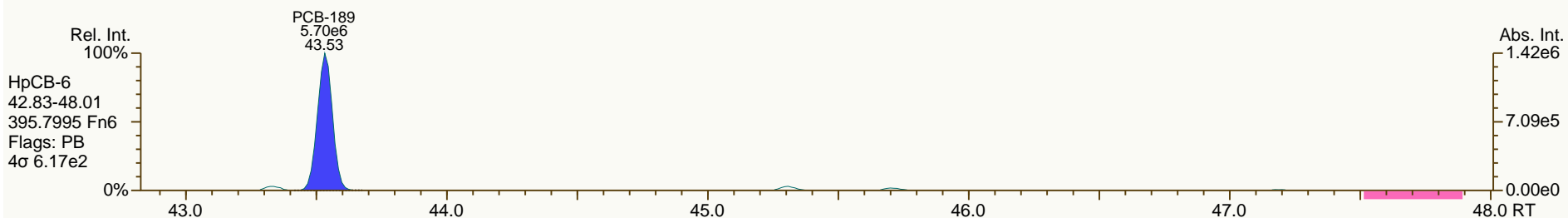
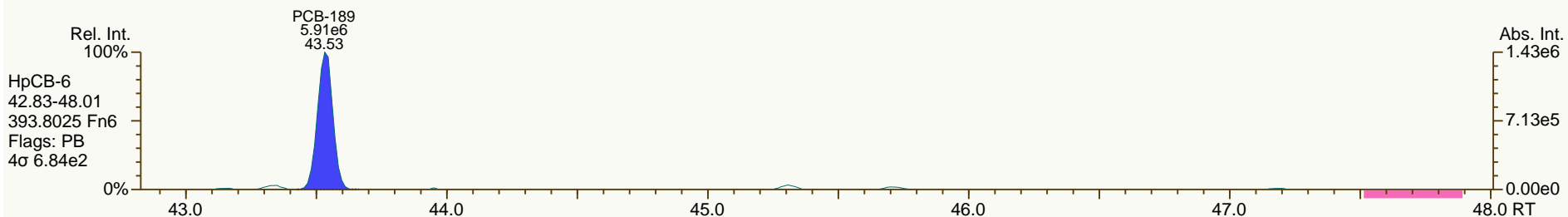
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

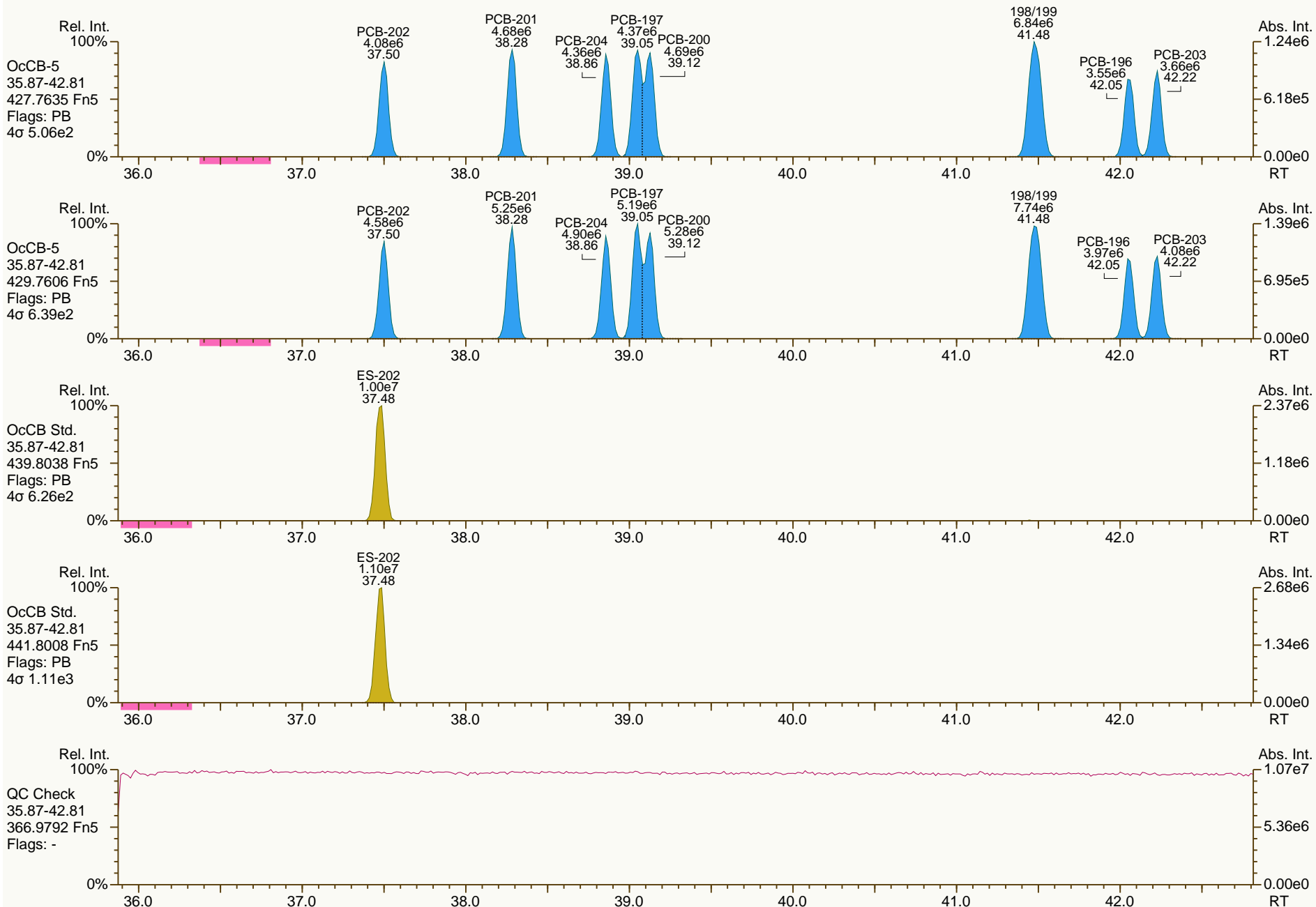
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

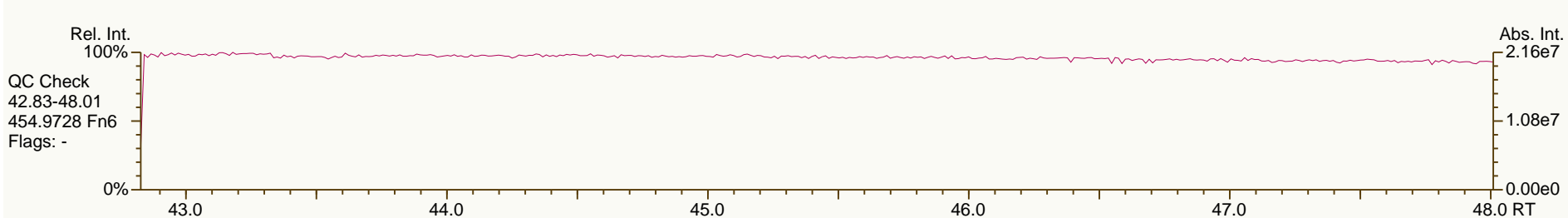
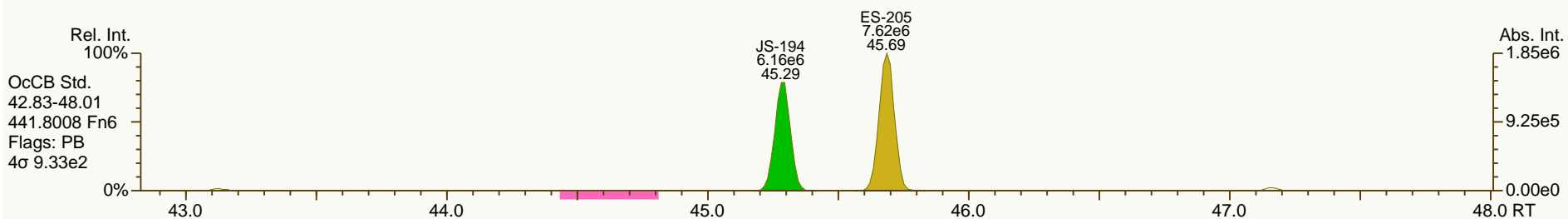
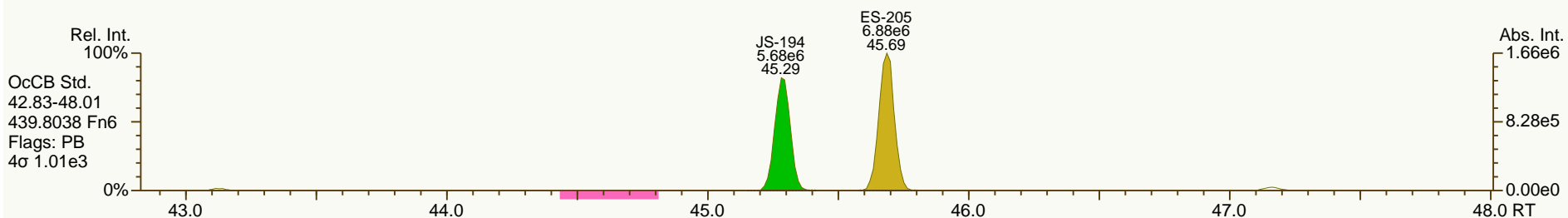
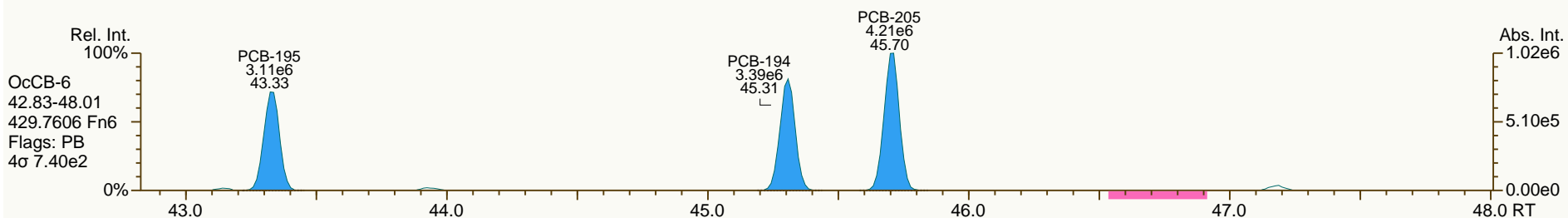
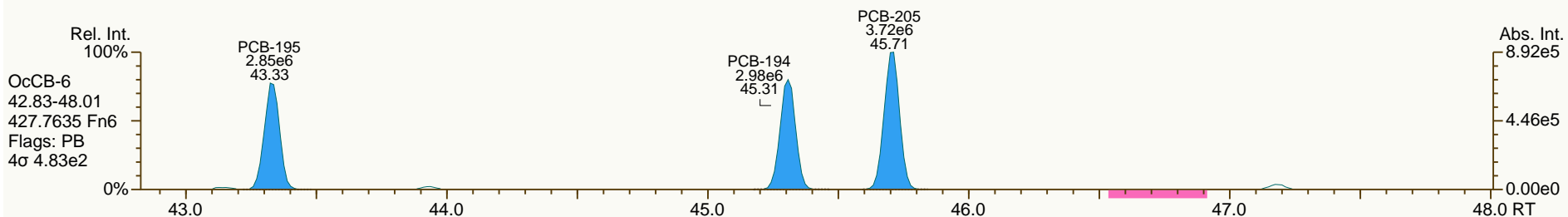
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

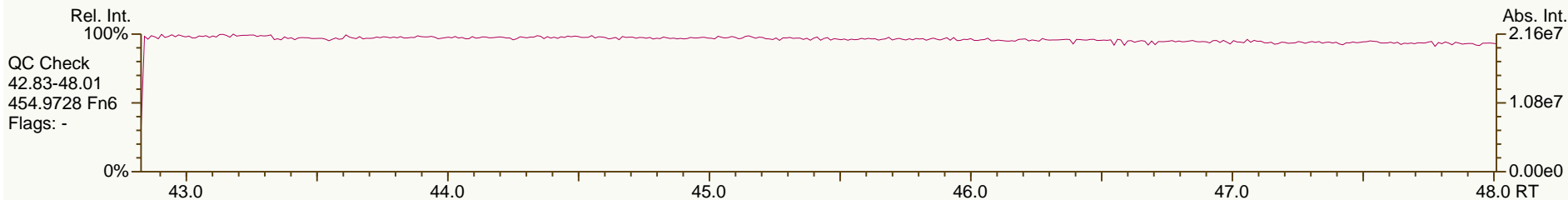
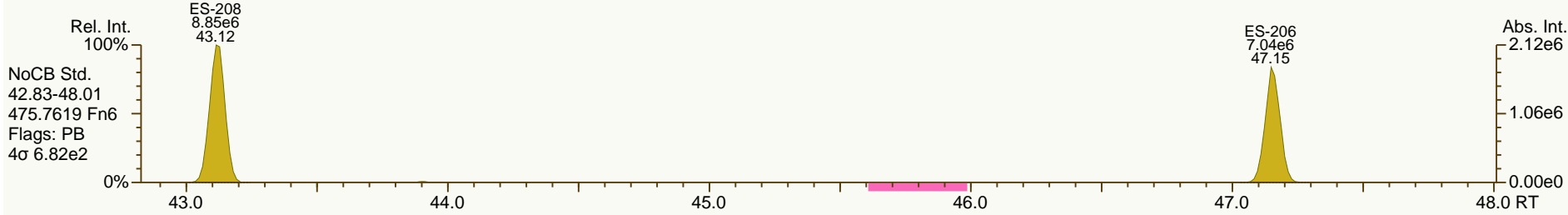
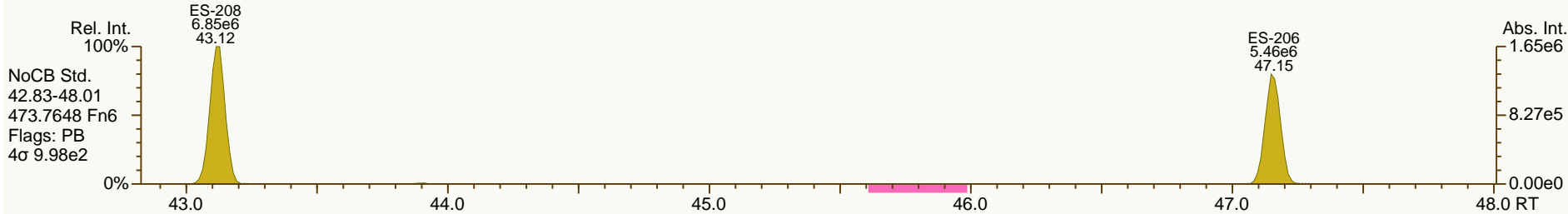
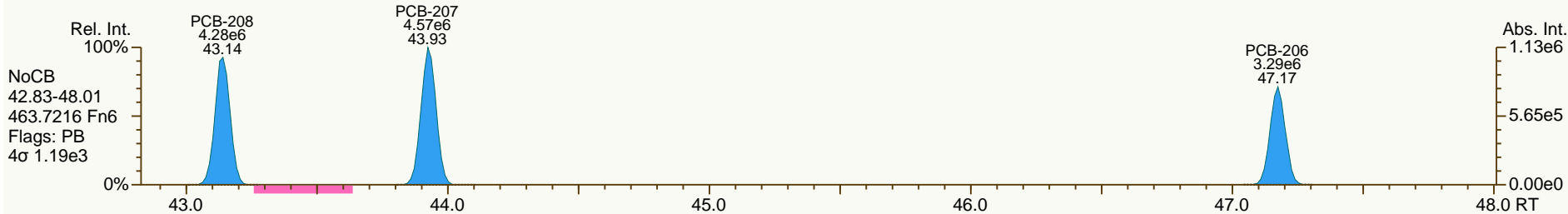
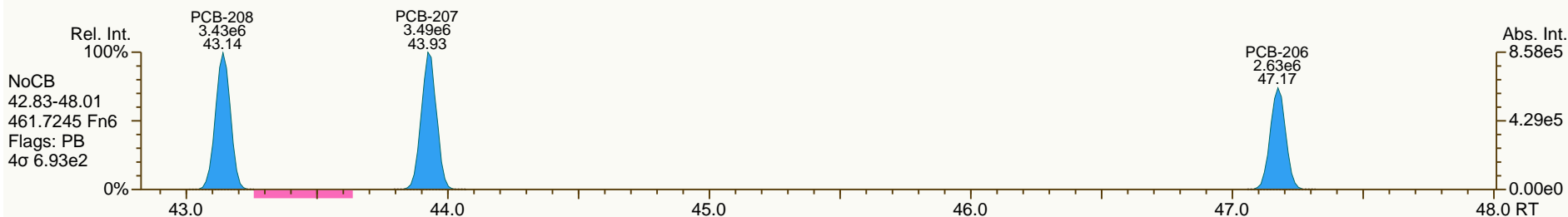
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

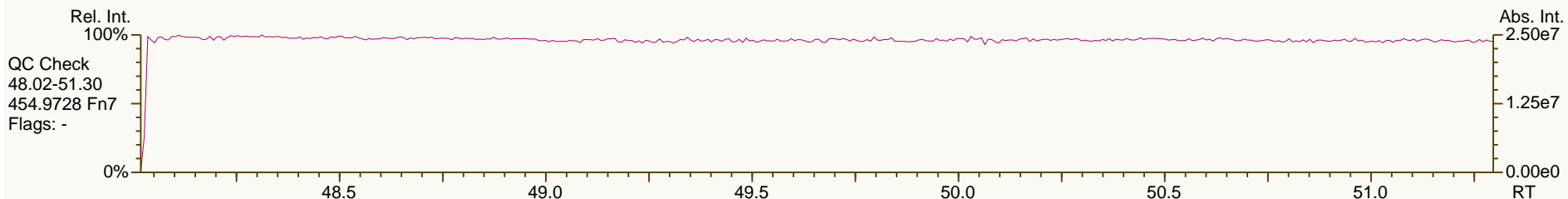
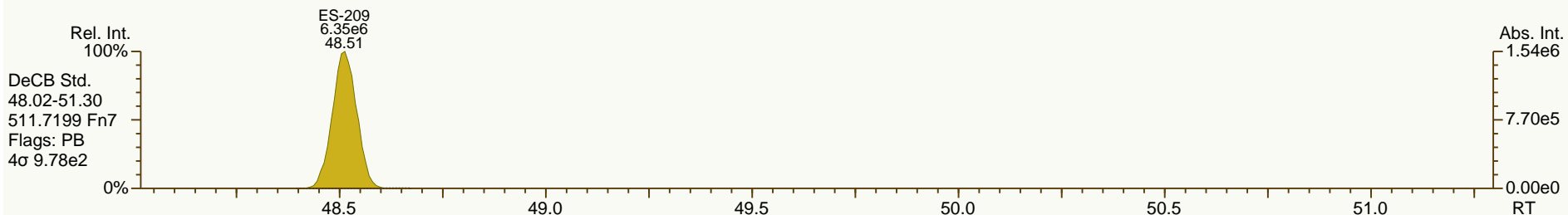
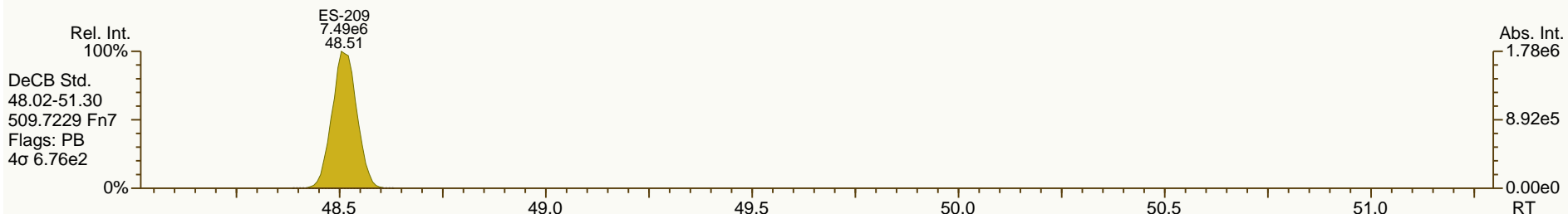
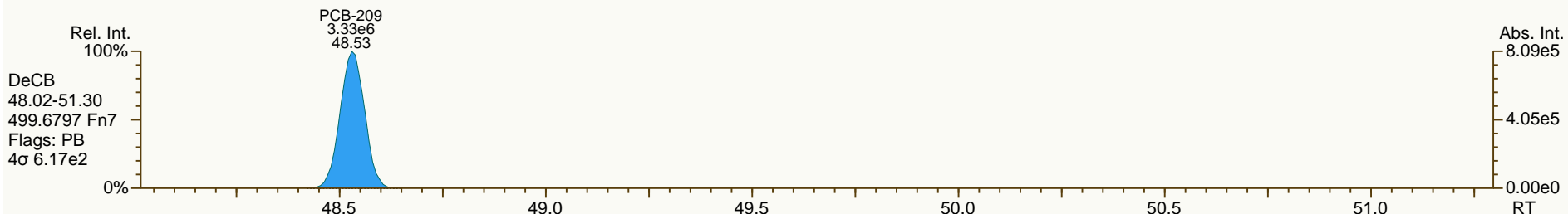
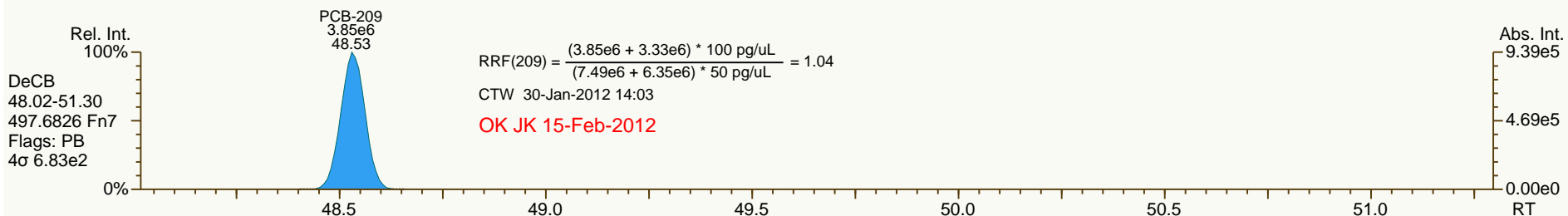
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 19:49							
Datafile:	120126S07							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.51	1.37E+08	0.80 Y	1.22	1.27	4.0%		
PCB-81 344'5'-TeCB	30.04	1.33E+08	0.79 Y	1.24	1.29	3.8%		
PCB-105 233'44'-PeCB	33.49	9.05E+07	0.61 Y	1.03	1.08	5.4%		
PCB-114 2344'5'-PeCB	32.95	9.86E+07	0.62 Y	1.10	1.14	4.1%		
PCB-118 23'44'5'-PeCB	32.51	9.58E+07	0.62 Y	1.03	1.11	7.1%		
PCB-123 2'344'5'-PeCB	32.22	9.11E+07	0.62 Y	0.93	0.99	6.9%		
PCB-126 33'44'5'-PeCB	36.11	1.05E+08	0.62 Y	1.11	1.12	0.3%		
PCB-156/157 233'44'5'/233'44'5'	38.66	1.80E+08	1.25 Y	1.05	1.11	5.7%		
PCB-167 23'44'55'-HxCB	37.70	9.36E+07	1.25 Y	1.08	1.15	6.8%		
PCB-169 33'44'55'-HxCB	41.40	8.91E+07	1.25 Y	1.04	1.08	3.4%		
PCB-189 233'44'55'-HpCB	43.53	1.05E+08	1.04 Y	1.11	1.18	6.3%		
PCB-209 DeCB	48.53	6.57E+07	1.20 Y	1.05	1.07	2.1%		
ES PCB-1	10.48	3.64E+07	3.14 Y	1.01	1.02	0.3%		
ES PCB-3	12.53	3.81E+07	3.17 Y	1.05	1.06	1.0%		
ES PCB-4	12.76	2.54E+07	1.57 Y	0.70	0.71	1.6%		
ES PCB-15	18.10	4.25E+07	1.59 Y	1.17	1.19	1.3%		
ES PCB-19	15.60	2.07E+07	1.02 Y	0.57	0.58	2.2%		
ES PCB-37	24.23	3.11E+07	1.08 Y	1.41	1.41	-0.2%		
ES PCB-54	18.35	2.89E+07	0.78 Y	1.32	1.31	-0.8%		
ES PCB-77	30.49	2.69E+07	0.79 Y	1.22	1.22	0.0%		
ES PCB-81	30.02	2.57E+07	0.81 Y	1.15	1.16	1.1%		
ES PCB-104	23.18	2.86E+07	1.59 Y	1.69	1.63	-3.5%		
ES PCB-105	33.47	2.09E+07	1.59 Y	1.21	1.19	-1.2%		
ES PCB-114	32.93	2.16E+07	1.61 Y	1.23	1.23	-0.2%		
ES PCB-118	32.48	2.16E+07	1.58 Y	1.25	1.23	-1.1%		
ES PCB-123	32.20	2.30E+07	1.59 Y	1.33	1.31	-1.1%		
ES PCB-126	36.09	2.35E+07	1.64 Y	1.36	1.34	-1.3%		
ES PCB-153	34.08	1.94E+07	1.30 Y	1.09	1.07	-1.0%		
ES PCB-155	28.08	2.52E+07	1.29 Y	1.40	1.40	-0.5%		
ES PCB-156/157	38.64	4.07E+07	1.25 Y	1.13	1.13	-0.6%		
ES PCB-167	37.68	2.03E+07	1.27 Y	1.13	1.12	-0.7%		
ES PCB-169	41.38	2.06E+07	1.26 Y	1.14	1.14	0.0%		
ES PCB-170	40.88	1.60E+07	1.07 Y	1.23	1.23	0.1%		
ES PCB-180	39.83	1.89E+07	1.06 Y	1.46	1.46	-0.6%		
ES PCB-188	32.94	2.43E+07	1.08 Y	1.34	1.34	0.3%		
ES PCB-189	43.52	2.22E+07	1.07 Y	1.77	1.71	-3.0%		
ES PCB-202	37.48	2.29E+07	0.89 Y	1.27	1.27	-0.4%		
ES PCB-205	45.69	1.61E+07	0.89 Y	1.25	1.24	-0.5%		
ES PCB-206	47.16	1.39E+07	0.77 Y	1.07	1.07	0.4%		
ES PCB-208	43.12	1.73E+07	0.78 Y	1.34	1.33	-0.4%		
ES PCB-209	48.51	1.53E+07	1.16 Y	1.18	1.18	-0.3%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49		
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.77	3.04E+07	1.09 Y	0.98	0.98	-0.4%	
SS PCB-111	30.55	2.02E+07	1.63 Y	0.90	0.88	-2.3%	
SS PCB-178	35.51	1.52E+07	1.07 Y	0.65	0.63	-3.0%	
CS PCB-28	20.77	3.04E+07	1.09 Y	1.39	1.38	-0.6%	
CS PCB-111	30.55	2.02E+07	1.63 Y	1.19	1.15	-3.4%	
CS PCB-178	35.51	1.52E+07	1.07 Y	0.87	0.84	-2.7%	
JS PCB-9	14.59	3.58E+07	1.60 Y	-	-	-	
JS PCB-52	22.35	2.21E+07	0.78 Y	-	-	-	
JS PCB-101	28.26	1.76E+07	1.58 Y	-	-	-	
JS PCB-138	35.12	1.81E+07	1.23 Y	-	-	-	
JS PCB-194	45.29	1.30E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.49	1.78E+08	3.14 Y	1.20	1.22	2.1%	
PCB-3 4-MoCB	12.55	1.76E+08	3.11 Y	1.13	1.16	2.4%	
PCB-4 22'-DiCB	12.77	9.70E+07	1.54 Y	0.94	0.95	1.1%	
PCB-15 44'-DiCB	18.11	1.77E+08	1.53 Y	1.01	1.04	3.7%	
PCB-19 22'6'-TrCB	15.62	8.60E+07	1.04 Y	1.01	1.04	2.6%	
PCB-37 344'-TrCB	24.25	1.55E+08	1.06 Y	1.20	1.24	3.8%	
PCB-54 22'66'-TeCB	18.37	1.12E+08	0.78 Y	0.93	0.97	3.6%	
PCB-104 22'466'-PeCB	23.20	1.10E+08	0.61 Y	0.92	0.97	5.4%	
PCB-153 22'44'55' -HxCB	34.12	1.87E+08	1.24 Y	1.15	1.20	4.7%	
PCB-155 22'44'66'-HxCB	28.11	1.08E+08	1.27 Y	1.06	1.07	1.4%	
PCB-170 22'33'44'5'-HpCB	40.89	6.69E+07	1.03 Y	1.00	1.05	4.8%	
PCB-180 22'344'55'-HpCB	39.81	1.62E+08	1.03 Y	1.01	1.07	5.7%	
PCB-188 22'34'566'-HpCB	32.96	1.06E+08	1.05 Y	1.07	1.09	2.3%	
PCB-202 22'33'55'66'-OcCB	37.50	7.88E+07	0.89 Y	0.83	0.86	4.2%	
PCB-205 233'44'55'6'-OcCB	45.71	7.28E+07	0.92 Y	1.09	1.13	3.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.04E+07	0.78 Y	0.98	1.02	4.1%	
PCB-206 22'33'44'55'6'-NoCB	47.18	5.47E+07	0.78 Y	0.93	0.98	5.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.49	1.78E+08	3.14 Y	1.20	1.22	2.1%	
PCB-2 3-MoCB	12.38	1.79E+08	3.13 Y	1.13	1.17	3.9%	
PCB-3 4-MoCB	12.55	1.76E+08	3.11 Y	1.13	1.16	2.4%	
PCB-4 22'-DiCB	12.77	9.70E+07	1.54 Y	0.94	0.95	1.1%	
PCB-10 26-DiCB	12.94	1.46E+08	1.55 Y	1.43	1.44	0.6%	
PCB-9 25-DiCB	14.61	1.49E+08	1.56 Y	0.87	0.88	1.2%	
PCB-7 24-DiCB	14.76	1.72E+08	1.54 Y	1.00	1.01	0.7%	
PCB-6 23'-DiCB	14.97	1.60E+08	1.54 Y	0.94	0.94	0.3%	
PCB-5 23-DiCB	15.24	1.60E+08	1.56 Y	0.92	0.94	2.5%	
PCB-8 24'-DiCB	15.36	1.63E+08	1.55 Y	0.95	0.96	1.2%	
PCB-14 35-DiCB	16.83	1.90E+08	1.54 Y	1.09	1.12	2.4%	
PCB-11 33'-DiCB	17.57	1.67E+08	1.54 Y	0.98	0.99	0.9%	
PCB-13/12 34'-/34-DiCB	17.84	3.39E+08	1.54 Y	0.97	1.00	2.8%	
PCB-15 44'-DiCB	18.11	1.77E+08	1.53 Y	1.01	1.04	3.7%	
PCB-19 22'6-TrCB	15.62	8.60E+07	1.04 Y	1.01	1.04	2.6%	
PCB-30/18 246-/22'5-TrCB	17.29	2.24E+08	1.06 Y	1.29	1.35	4.5%	
PCB-17 22'4-TrCB	17.67	9.70E+07	1.02 Y	1.14	1.17	2.9%	
PCB-27 23'6-TrCB	17.86	1.29E+08	1.03 Y	1.48	1.56	4.9%	
PCB-24 236-TrCB	17.98	1.22E+08	1.02 Y	1.43	1.47	2.8%	
PCB-16 22'3-TrCB	18.06	7.70E+07	1.03 Y	0.89	0.93	3.9%	
PCB-32 24'6-TrCB	18.53	1.34E+08	1.02 Y	1.56	1.62	3.7%	
PCB-34 2'35-TrCB	19.65	1.48E+08	1.07 Y	1.18	1.19	1.2%	
PCB-23 235-TrCB	19.79	1.50E+08	1.06 Y	1.19	1.21	1.7%	
PCB-26/29 23'5-/245-TrCB	20.07	3.04E+08	1.06 Y	1.20	1.22	2.0%	
PCB-25 23'4-TrCB	20.26	1.52E+08	1.06 Y	1.19	1.22	2.7%	
PCB-31 24'5-TrCB	20.53	1.58E+08	1.05 Y	1.23	1.27	3.9%	
PCB-28/20 244'-/233'-TrCB	20.79	3.02E+08	1.06 Y	1.18	1.21	2.8%	
PCB-21/33 234-/2'34-TrCB	20.96	3.12E+08	1.06 Y	1.21	1.25	3.3%	
PCB-22 234'-TrCB	21.33	1.43E+08	1.05 Y	1.11	1.15	3.2%	
PCB-36 33'5-TrCB	22.70	1.58E+08	1.06 Y	1.21	1.27	4.4%	
PCB-39 34'5-TrCB	23.01	1.64E+08	1.06 Y	1.32	1.32	0.0%	
PCB-38 345-TrCB	23.51	1.48E+08	1.06 Y	1.15	1.19	2.7%	
PCB-35 33'4-TrCB	23.90	1.46E+08	1.07 Y	1.13	1.17	3.2%	
PCB-37 344'-TrCB	24.25	1.55E+08	1.06 Y	1.20	1.24	3.8%	
PCB-54 22'66'-TeCB	18.37	1.12E+08	0.78 Y	0.93	0.97	3.6%	
PCB-50/53 22'46-/22'56'TeCB	20.30	1.77E+08	0.78 Y	0.83	0.86	3.3%	
PCB-45 22'36'-TeCB	20.85	7.36E+07	0.80 Y	0.71	0.72	1.6%	
PCB-51 22'46'-TeCB	20.93	9.38E+07	0.80 Y	0.88	0.91	4.0%	
PCB-46 22'36'-TeCB	21.12	7.35E+07	0.78 Y	0.69	0.72	3.0%	
PCB-52 22'55'-TeCB	22.38	8.45E+07	0.80 Y	0.80	0.82	2.6%	
PCB-73 23'5'6TeCB	22.50	1.08E+08	0.79 Y	1.03	1.05	1.6%	
PCB-43 22'35'-TeCB	22.59	7.51E+07	0.80 Y	0.71	0.73	3.6%	
PCB-69/49 23'46-/22'45'TeCB	22.79	2.04E+08	0.79 Y	0.96	0.99	3.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.05	8.63E+07	0.80 Y	0.84	0.84	0.6%	
PCB-44/47/65 22'35'-/22'44'-	23.26	2.71E+08	0.79 Y	0.86	0.88	2.3%	
PCB-59/62/75 233'6'-/2346-/24	23.53	3.43E+08	0.80 Y	1.09	1.11	1.9%	
PCB-42 22'34'-TeCB	23.69	8.10E+07	0.78 Y	0.77	0.79	3.0%	
PCB-41 22'34'-TeCB	24.01	7.57E+07	0.76 Y	0.73	0.74	1.6%	
PCB-71/40 23'4'6/22'33'-TeCB	24.11	1.72E+08	0.77 Y	0.81	0.84	3.1%	
PCB-64 234'6'-TeCB	24.31	1.22E+08	0.77 Y	1.17	1.19	1.6%	
PCB-72 23'55'-TeCB	25.04	1.32E+08	0.77 Y	1.25	1.29	2.8%	
PCB-68 23'45'-TeCB	25.29	1.43E+08	0.80 Y	1.36	1.39	1.9%	
PCB-57 233'5'-TeCB	25.65	1.27E+08	0.78 Y	1.22	1.24	1.3%	
PCB-58 233'5'-TeCB	25.85	1.31E+08	0.77 Y	1.26	1.28	1.9%	
PCB-67 23'45'-TeCB	26.00	1.34E+08	0.77 Y	1.27	1.30	2.3%	
PCB-63 234'5'-TeCB	26.22	1.41E+08	0.79 Y	1.34	1.37	2.6%	
PCB-61/70/74/76 2345-/23'4'5	26.50	5.25E+08	0.80 Y	1.24	1.28	2.7%	
PCB-66 23'44'-TeCB	26.78	1.24E+08	0.78 Y	1.19	1.20	1.4%	
PCB-55 233'4'-TeCB	26.92	1.27E+08	0.78 Y	1.22	1.24	1.8%	
PCB-56 233'4'-TeCB	27.35	1.22E+08	0.78 Y	1.18	1.19	1.1%	
PCB-60 2344'-TeCB	27.53	1.29E+08	0.77 Y	1.24	1.26	1.5%	
PCB-80 33'55'-TeCB	27.91	1.44E+08	0.79 Y	1.37	1.40	2.0%	
PCB-79 33'45'-TeCB	29.20	1.49E+08	0.79 Y	1.37	1.45	5.7%	
PCB-78 33'45'-TeCB	29.67	1.25E+08	0.79 Y	1.19	1.22	2.3%	
PCB-104 22'466'-PeCB	23.20	1.10E+08	0.61 Y	0.92	0.97	5.4%	
PCB-96 22'366'-PeCB	23.50	9.68E+07	0.62 Y	0.81	0.85	4.6%	
PCB-103 22'45'6'-PeCB	25.20	7.50E+07	0.62 Y	0.78	0.81	5.0%	
PCB-94 22'356'-PeCB	25.37	6.67E+07	0.62 Y	0.71	0.72	1.7%	
PCB-95 22'35'6'-PeCB	25.75	6.86E+07	0.61 Y	0.74	0.74	0.3%	
PCB-100/93 22'44'6-/22'356-P	25.96	1.40E+08	0.62 Y	0.75	0.76	2.0%	
PCB-102 22'456'-PeCB	26.07	6.72E+07	0.62 Y	0.75	0.73	-2.5%	
PCB-98 22'3'46'-PeCB	26.13	7.34E+07	0.64 Y	0.71	0.80	12.1%	
PCB-88 22'346'-PeCB	26.42	6.10E+07	0.61 Y	0.66	0.66	-0.3%	
PCB-91 22'34'6'-PeCB	26.49	8.32E+07	0.63 Y	0.84	0.90	7.7%	
PCB-84 22'33'6'-PeCB	26.67	6.18E+07	0.62 Y	0.65	0.67	3.3%	
PCB-89 22'346'-PeCB	27.08	6.43E+07	0.62 Y	0.69	0.70	1.6%	
PCB-121 23'45'6'-PeCB	27.47	9.14E+07	0.61 Y	0.98	0.99	1.0%	
PCB-92 22'355'-PeCB	27.78	6.73E+07	0.62 Y	0.72	0.73	2.1%	
PCB-113/90/101 233'5'6-/22'3	28.25	2.34E+08	0.62 Y	0.81	0.85	4.7%	
PCB-83 22'33'5'-PeCB	28.67	6.11E+07	0.62 Y	0.62	0.66	6.5%	
PCB-99 22'44'5'-PeCB	28.78	7.09E+07	0.63 Y	0.76	0.77	0.7%	
PCB-112 233'56'-PeCB	28.87	9.37E+07	0.62 Y	0.96	1.02	5.5%	
PCB-108/119/86/97/125/87 233	29.21	4.80E+08	0.62 Y	0.83	0.87	5.2%	
PCB-117 234'56'-PeCB	29.74	8.70E+07	0.61 Y	0.94	0.94	0.5%	
PCB-116/85 23456-/22'344'-Pe	29.82	1.57E+08	0.62 Y	0.81	0.86	5.8%	
PCB-110 233'4'6'-PeCB	29.94	8.71E+07	0.62 Y	0.92	0.95	2.8%	

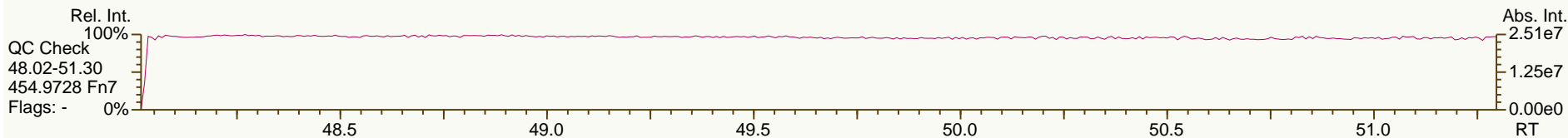
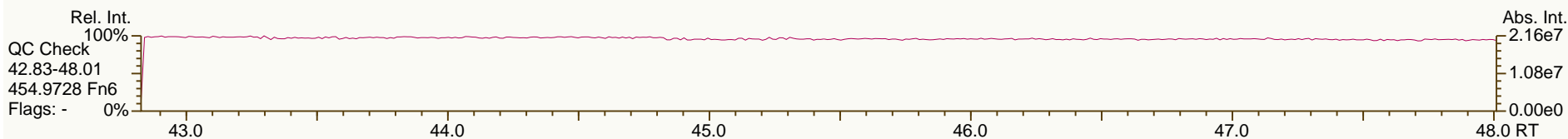
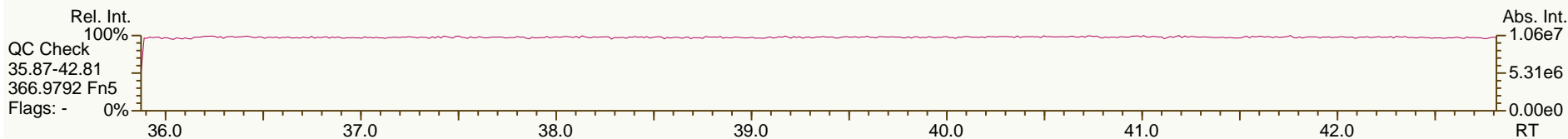
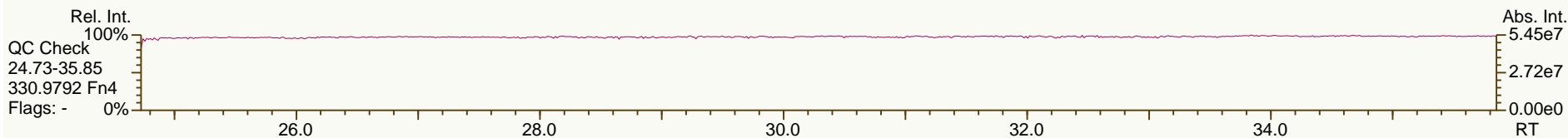
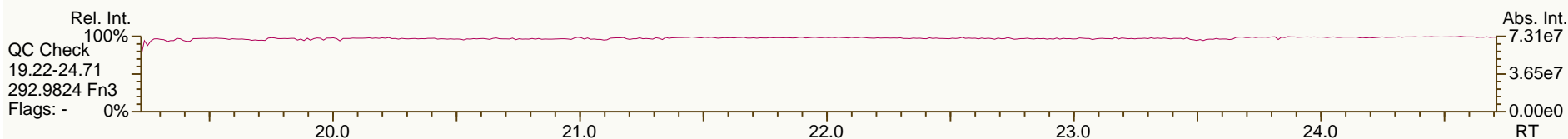
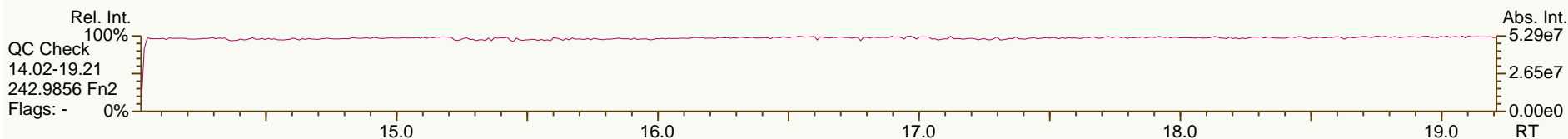
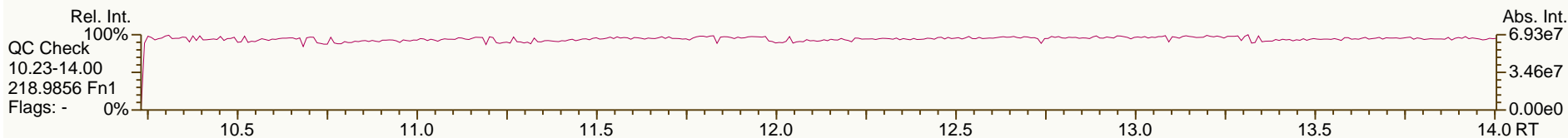
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.03	9.15E+07	0.63 Y	0.95	0.99	4.8%	
PCB-82 22'33'4-PeCB	30.21	5.96E+07	0.62 Y	0.62	0.65	5.1%	
PCB-111 233'55'-PeCB	30.58	9.52E+07	0.62 Y	0.98	1.03	5.0%	
PCB-120 23'455'-PeCB	30.97	9.50E+07	0.62 Y	0.99	1.03	3.9%	
PCB-107/124 233'4'5-/2'3455'	31.92	1.78E+08	0.62 Y	0.92	0.97	5.2%	
PCB-109 233'46-PeCB	32.12	9.70E+07	0.61 Y	1.00	1.05	5.9%	
PCB-106 233'45-PeCB	32.32	9.36E+07	0.62 Y	0.96	1.02	5.7%	
PCB-122 2'33'45-PeCB	32.78	8.27E+07	0.63 Y	0.93	0.96	3.3%	
PCB-127 33'455'-PeCB	34.75	9.23E+07	0.62 Y	1.04	1.10	6.0%	
PCB-155 22'44'66'-HxCB	28.11	1.08E+08	1.27 Y	1.06	1.07	1.4%	
PCB-152 22'3566'-HxCB	28.24	1.01E+08	1.26 Y	0.98	1.01	2.4%	
PCB-150 22'34'66'-HxCB	28.39	1.02E+08	1.28 Y	0.99	1.01	2.5%	
PCB-136 22'33'66'-HxCB	28.68	9.46E+07	1.27 Y	0.92	0.94	1.9%	
PCB-145 22'3466'HxCB	28.95	9.63E+07	1.27 Y	0.94	0.95	1.7%	
PCB-148 22'34'56'-HxCB	30.25	7.55E+07	1.25 Y	0.95	0.97	2.7%	
PCB-151/135 22'355'6-/22'33'	30.76	1.48E+08	1.27 Y	0.92	0.95	4.0%	
PCB-154 22'44'5'6-HxCB	30.98	8.25E+07	1.27 Y	1.01	1.06	4.8%	
PCB-144 22'345'6-HxCB	31.23	7.56E+07	1.27 Y	0.93	0.97	4.6%	
PCB-147/149 22'34'56-/22'34'	31.53	1.52E+08	1.24 Y	0.94	0.98	4.3%	
PCB-134 22'33'56-HxCB	31.69	6.25E+07	1.24 Y	0.78	0.81	2.7%	
PCB-143 22'3456'-HxCB	31.77	7.39E+07	1.27 Y	0.90	0.95	6.3%	
PCB-139/140 22'344'6-/22'344'	32.04	1.53E+08	1.28 Y	0.95	0.99	4.0%	
PCB-131 22'33'46-HxCB	32.20	6.82E+07	1.26 Y	0.84	0.88	5.0%	
PCB-142 22'3456-HxCB	32.34	7.01E+07	1.26 Y	0.87	0.90	3.8%	
PCB-132 22'33'46'-HxCB	32.58	6.98E+07	1.27 Y	0.88	0.90	2.7%	
PCB-133 22'33'55'-HxCB	33.03	7.22E+07	1.27 Y	0.89	0.93	4.6%	
PCB-165 233'55'6-HxCB	33.37	8.69E+07	1.27 Y	1.06	1.12	5.2%	
PCB-146 22'34'55'-HxCB	33.58	7.82E+07	1.26 Y	0.94	1.01	6.8%	
PCB-161 233'45'6-HxCB	33.69	9.62E+07	1.28 Y	1.20	1.24	3.4%	
PCB-153/168 22'44'55'-/23'44'	34.12	1.87E+08	1.24 Y	1.15	1.20	4.7%	
PCB-141 22'3455'-HxCB	34.25	7.19E+07	1.26 Y	0.91	0.93	1.3%	
PCB-130 22'33'45'-HxCB	34.59	6.70E+07	1.23 Y	0.82	0.86	5.0%	
PCB-137 22'344'5-HxCB	34.79	8.38E+07	1.23 Y	1.00	1.08	7.5%	
PCB-164 233'4'5'6-HxCB	34.88	9.23E+07	1.26 Y	1.14	1.19	4.6%	
PCB-163/138/129 233'4'56-/22'	35.16	2.39E+08	1.26 Y	0.98	1.03	4.3%	
PCB-160 233'456-HxCB	35.29	9.52E+07	1.27 Y	1.14	1.23	7.3%	
PCB-158 233'44'6-HxCB	35.48	1.02E+08	1.24 Y	1.24	1.32	6.0%	
PCB-128/166 22'33'44'-/2344'5	36.20	1.50E+08	1.24 Y	0.86	0.92	6.8%	
PCB-159 233'455'-HxCB	37.05	8.80E+07	1.24 Y	1.03	1.09	5.7%	
PCB-162 233'4'55'-HxCB	37.30	9.10E+07	1.24 Y	1.04	1.12	8.1%	
PCB-188 22'34'566'-HpCB	32.96	1.06E+08	1.05 Y	1.07	1.09	2.3%	
PCB-179 22'33'566'-HpCB	33.23	9.90E+07	1.06 Y	0.98	1.02	4.2%	
PCB-184 22'344'66'-HpCB	33.70	9.58E+07	1.04 Y	0.97	0.99	1.4%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:49		
Lab ID:	CS4_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.98	1.07E+08	1.04 Y	1.06	1.10	3.5%	
PCB-186 22'34566'-HpCB	34.36	1.02E+08	1.03 Y	1.02	1.05	3.4%	
PCB-178 22'33'55'6'-HpCB	35.54	7.71E+07	1.04 Y	0.77	0.79	2.9%	
PCB-175 22'33'45'6'-HpCB	36.08	6.95E+07	1.05 Y	0.89	0.92	2.9%	
PCB-187 22'34'55'6'-HpCB	36.31	7.33E+07	1.02 Y	0.94	0.97	3.6%	
PCB-182 22'344'56'-HpCB	36.48	7.45E+07	1.03 Y	0.95	0.98	3.7%	
PCB-183 22'344'5'6'-HpCB	36.82	6.73E+07	1.01 Y	0.96	0.89	-7.0%	
PCB-185 22'3455'6'-HpCB	36.89	8.15E+07	1.05 Y	0.93	1.08	16.0%	
PCB-174 22'33'456'-HpCB	37.01	6.27E+07	1.03 Y	0.80	0.83	3.5%	
PCB-177 22'33'4'56'-HpCB	37.38	6.44E+07	1.04 Y	0.82	0.85	4.3%	
PCB-181 22'344'56'-HpCB	37.73	7.30E+07	1.03 Y	0.91	0.97	5.7%	
PCB-171/173 22'33'44'6'-/22'3	37.90	1.29E+08	1.02 Y	0.81	0.86	5.2%	
PCB-172 22'33'455'-HpCB	39.29	6.71E+07	1.02 Y	0.83	0.89	7.3%	
PCB-192 233'455'6'-HpCB	39.54	8.70E+07	1.03 Y	1.09	1.15	5.3%	
PCB-180/193 22'344'55'-/233'	39.81	1.62E+08	1.03 Y	1.01	1.07	5.7%	
PCB-191 233'44'5'6'-HpCB	40.14	8.94E+07	1.03 Y	1.13	1.18	4.3%	
PCB-170 22'33'44'5'-HpCB	40.89	6.69E+07	1.03 Y	1.00	1.05	4.8%	
PCB-190 233'44'56'-HpCB	41.35	8.93E+07	1.03 Y	1.35	1.40	3.1%	
PCB-202 22'33'55'66'-OcCB	37.50	7.88E+07	0.89 Y	0.83	0.86	4.2%	
PCB-201 22'33'45'66'-OcCB	38.28	8.89E+07	0.88 Y	0.93	0.97	5.0%	
PCB-204 22'344'566'-OcCB	38.86	8.54E+07	0.89 Y	0.89	0.93	4.8%	
PCB-197 22'33'44'66'-OcCB	39.05	8.66E+07	0.88 Y	0.91	0.95	3.7%	
PCB-200 22'33'4566'-OcCB	39.12	9.12E+07	0.89 Y	0.93	1.00	7.5%	
PCB-198/199 22'33'455'6'-/22'	41.48	1.30E+08	0.87 Y	0.68	0.71	4.1%	
PCB-196 22'33'44'56'-OcCB	42.06	6.68E+07	0.87 Y	0.72	0.73	1.8%	
PCB-203 22'344'55'6'-OcCB	42.22	6.98E+07	0.87 Y	0.74	0.76	3.6%	
PCB-195 22'33'44'56'-OcCB	43.33	5.38E+07	0.89 Y	0.81	0.83	2.9%	
PCB-194 22'33'44'55'-OcCB	45.31	5.87E+07	0.90 Y	0.86	0.91	6.1%	
PCB-205 233'44'55'6'-OcCB	45.71	7.28E+07	0.92 Y	1.09	1.13	3.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.04E+07	0.78 Y	0.98	1.02	4.1%	
PCB-207 22'33'44'566'-NoCB	43.93	7.31E+07	0.80 Y	1.02	1.06	4.0%	
PCB-206 22'33'44'55'6'-NoCB	47.18	5.47E+07	0.78 Y	0.93	0.98	5.3%	

AP Lab ID: CS4_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

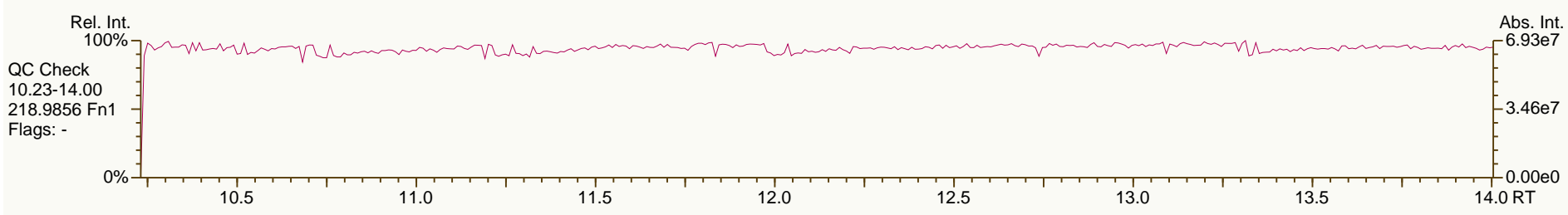
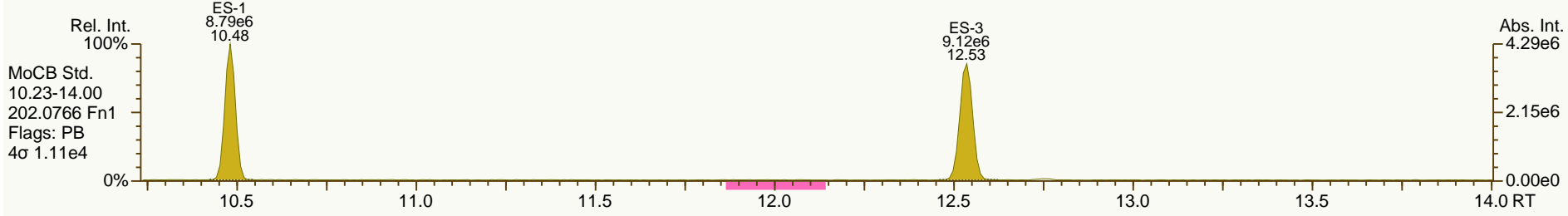
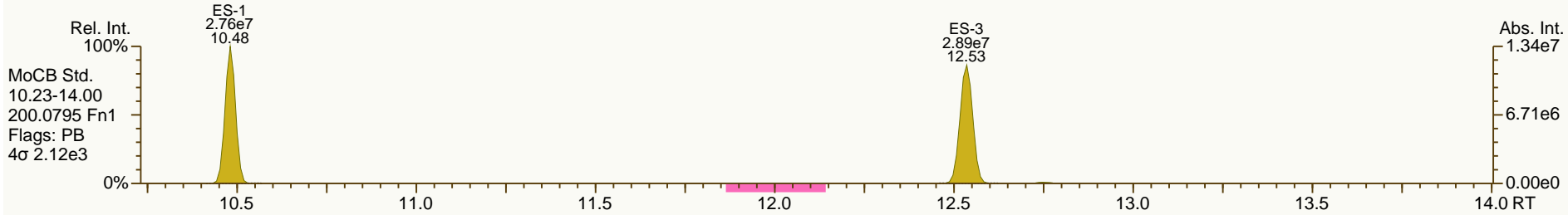
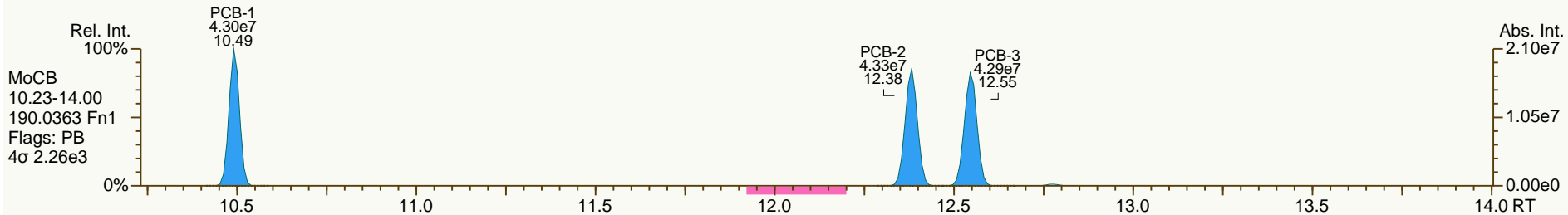
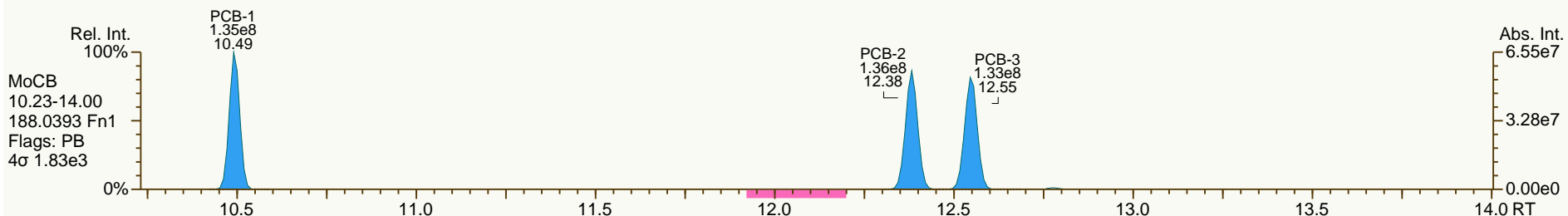
Acq: 26-Jan-2012 19:49:48
User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

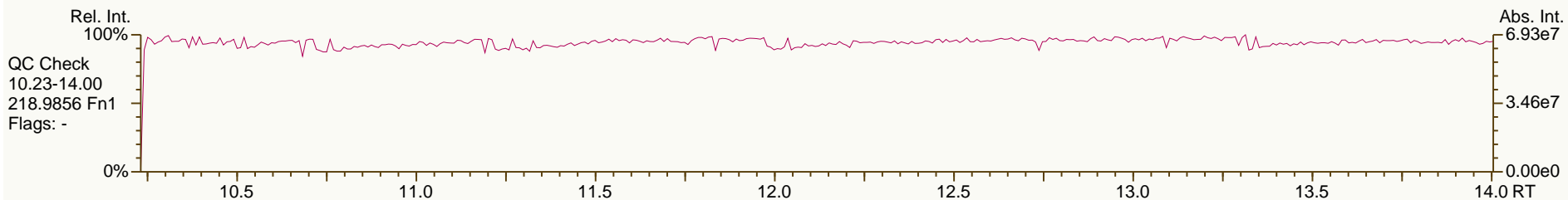
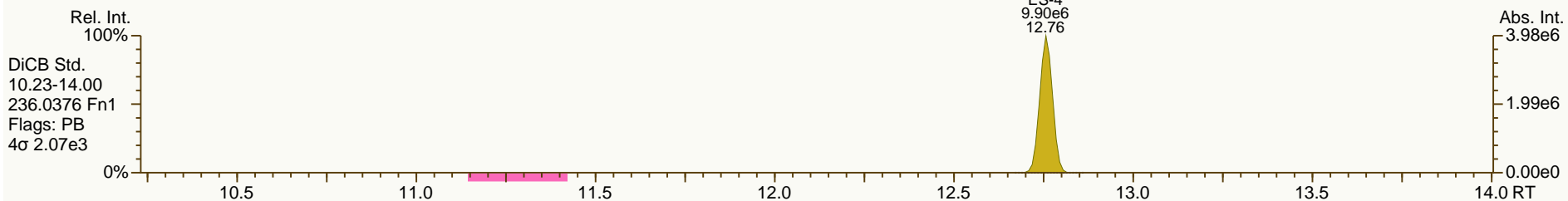
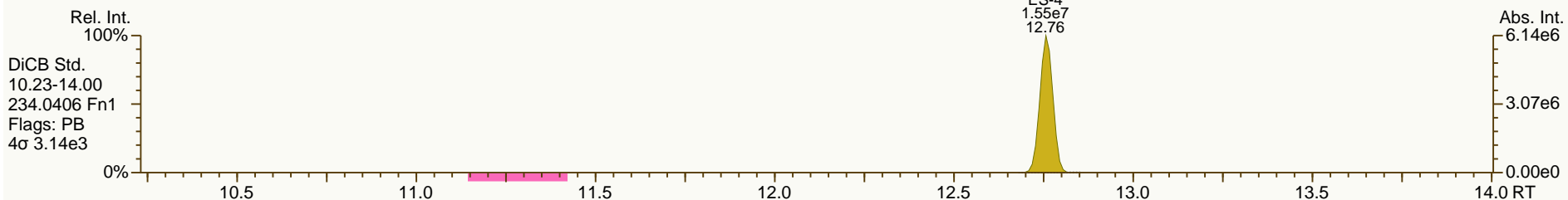
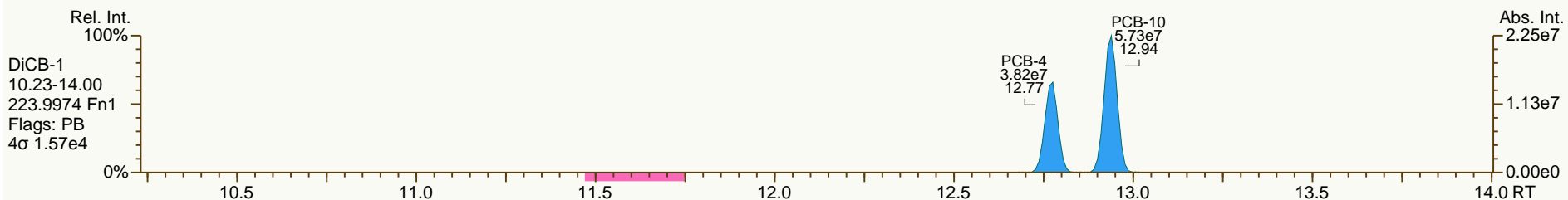
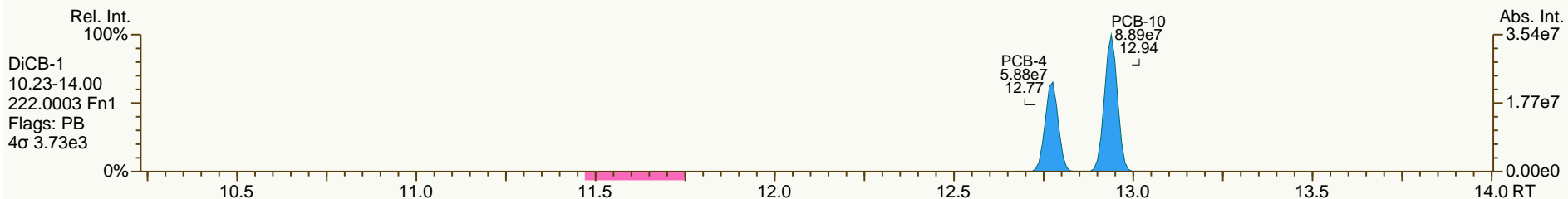
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

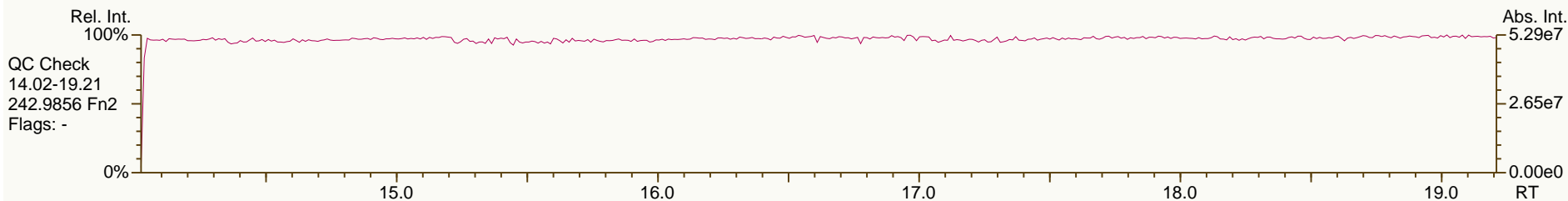
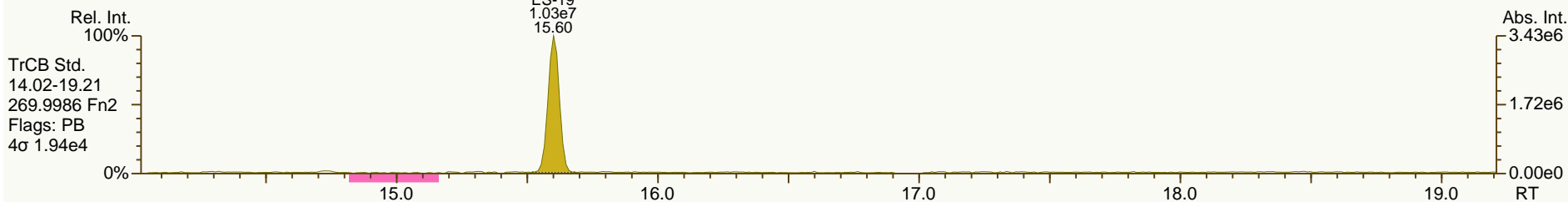
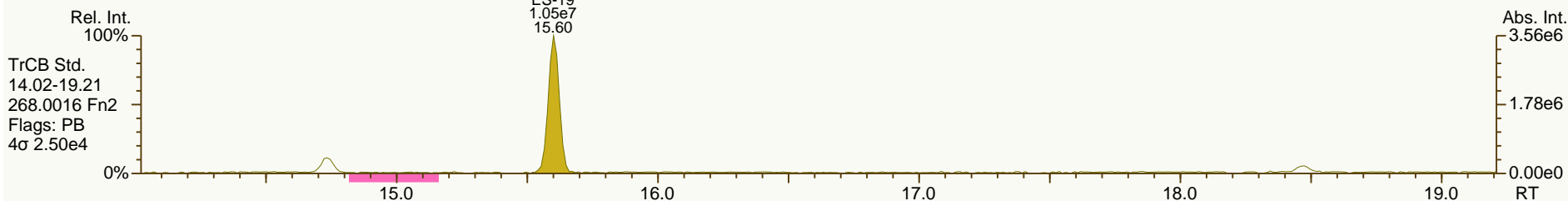
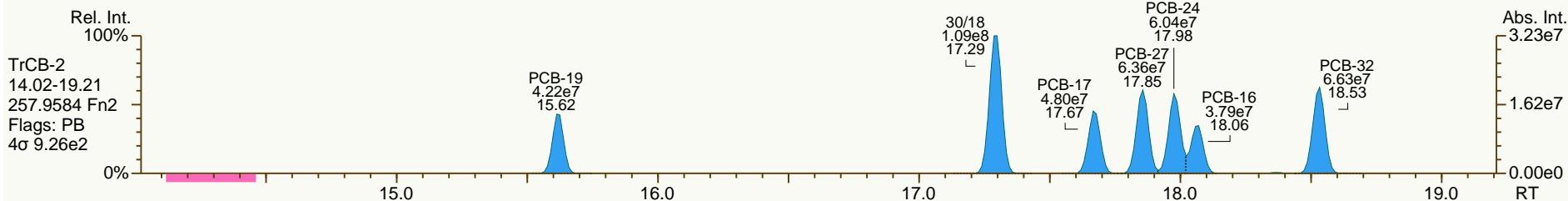
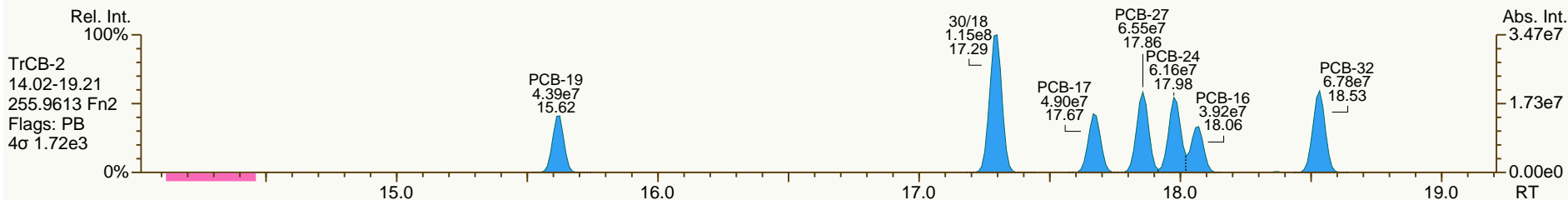
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

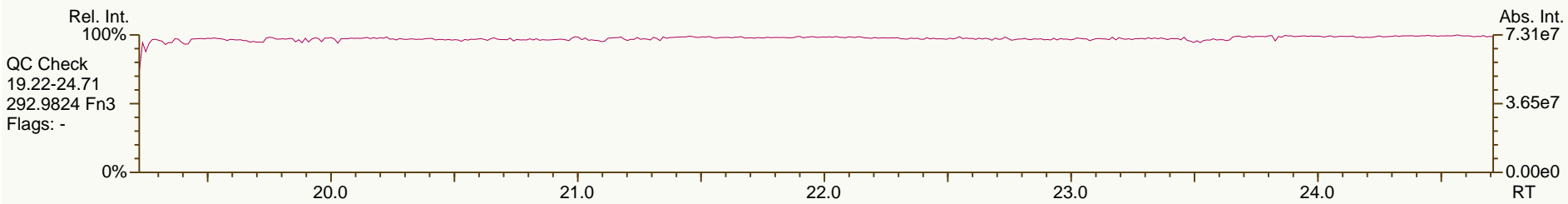
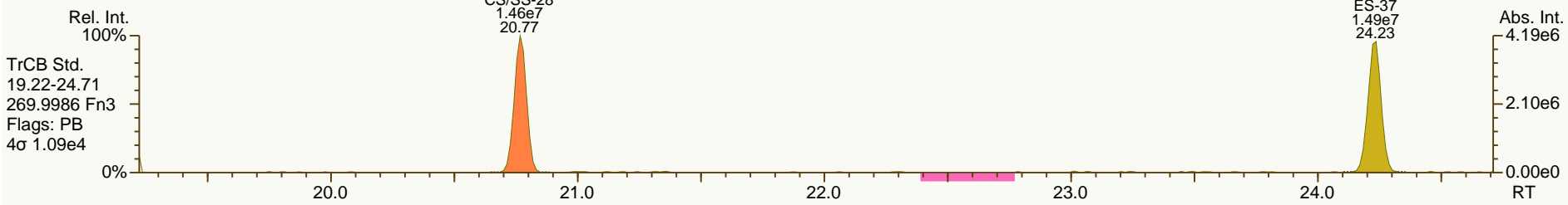
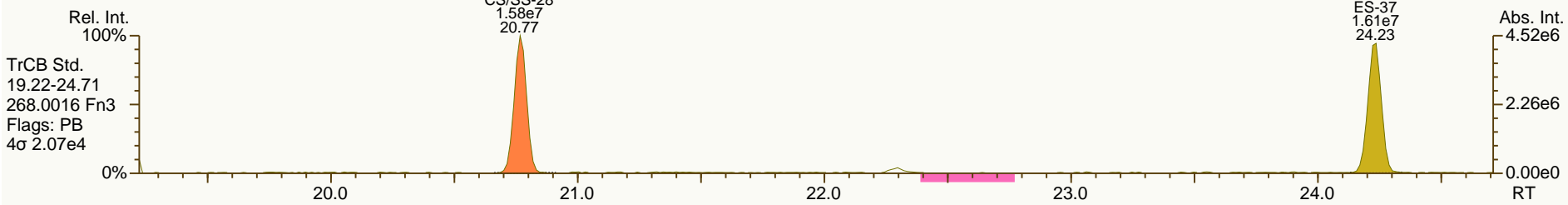
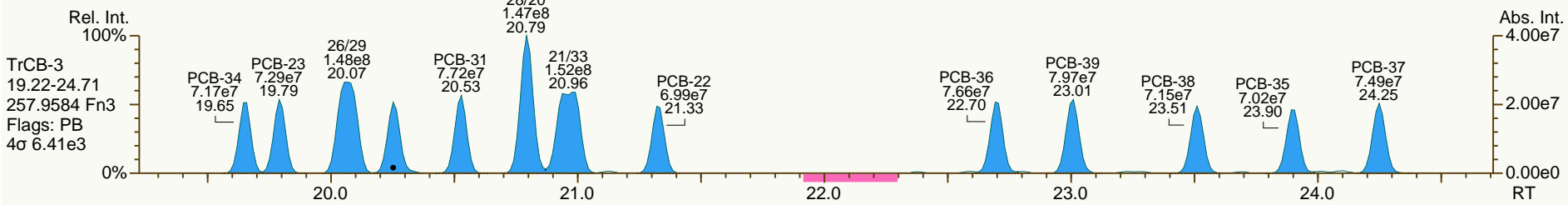
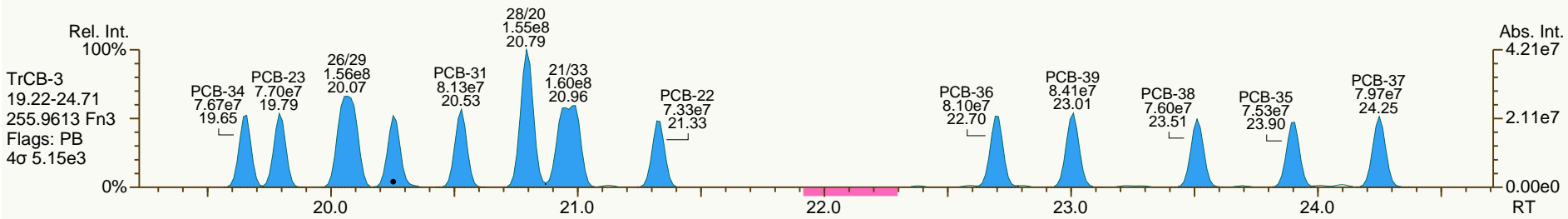
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

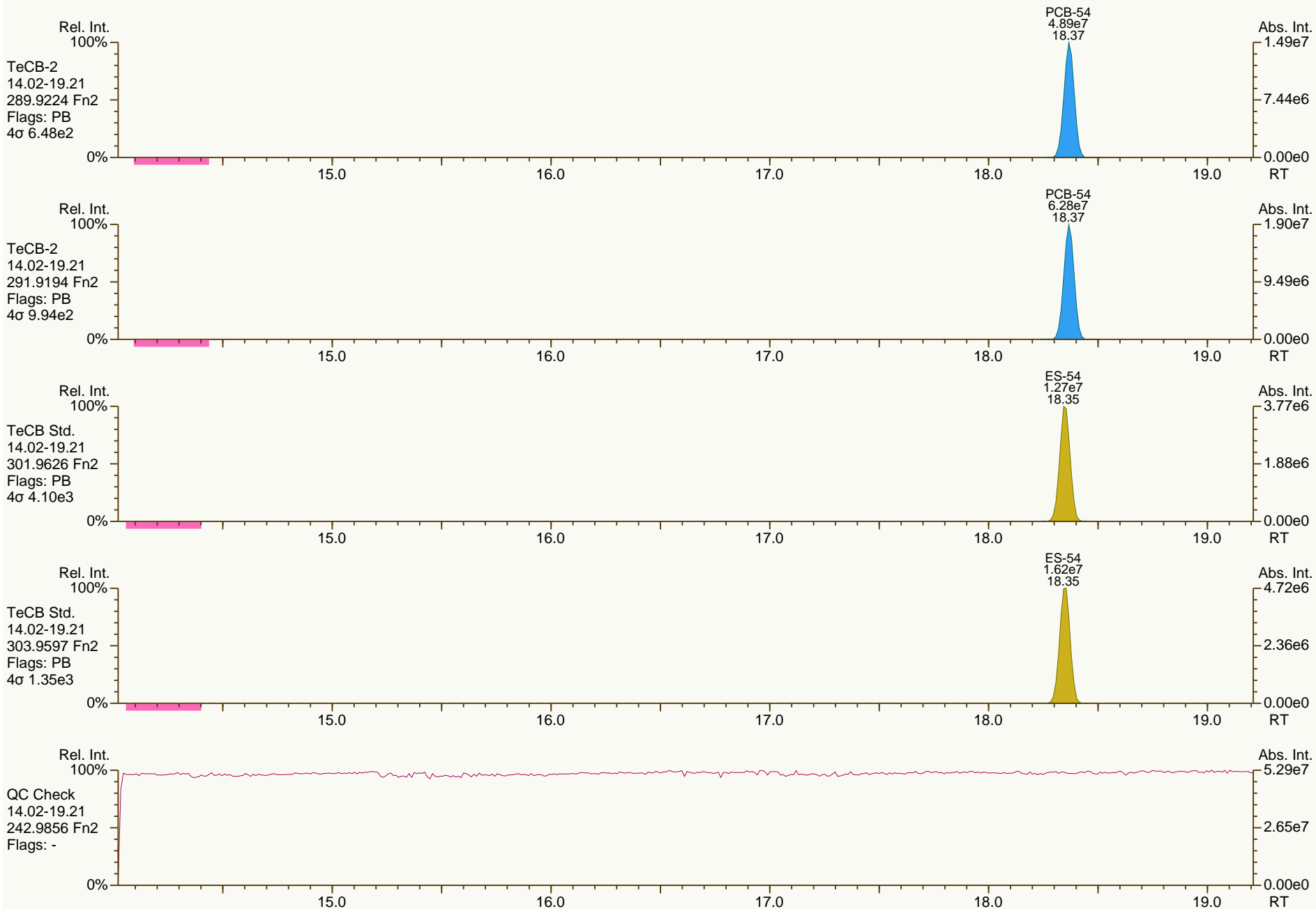
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

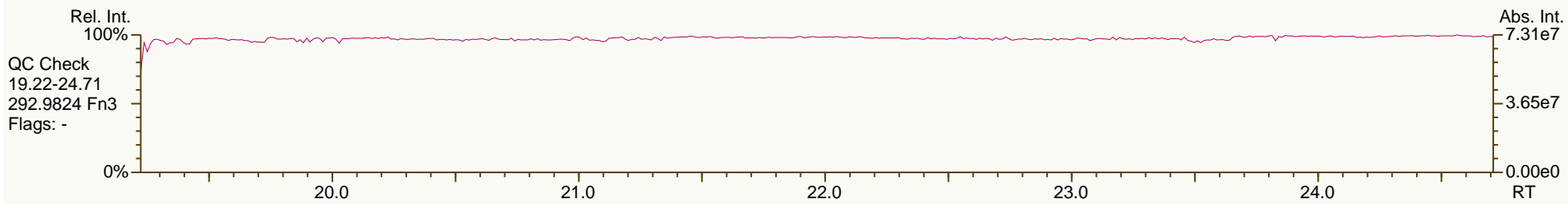
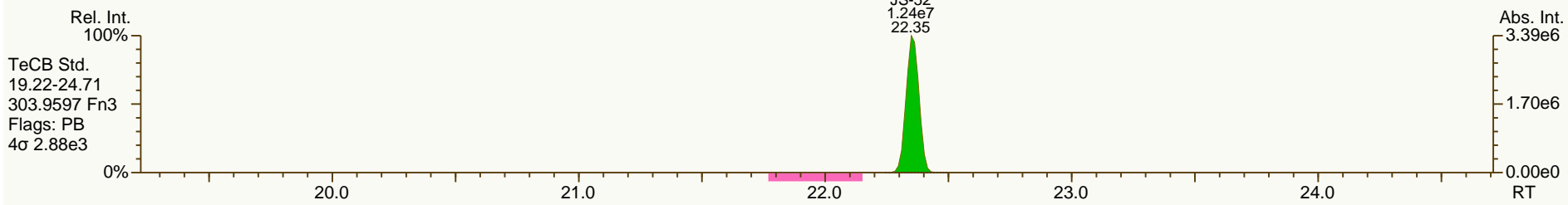
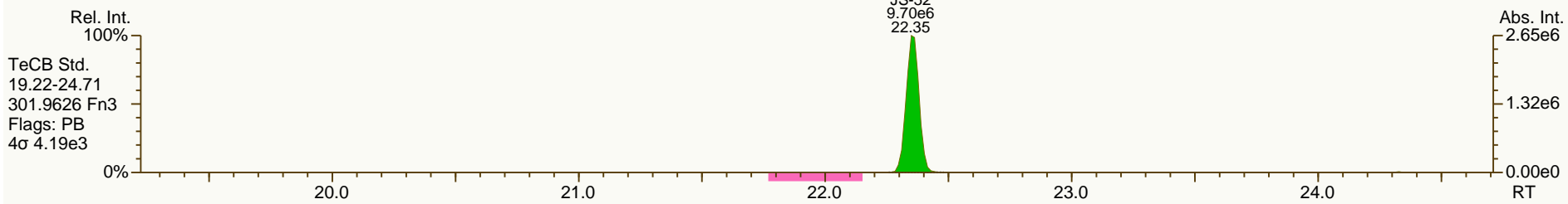
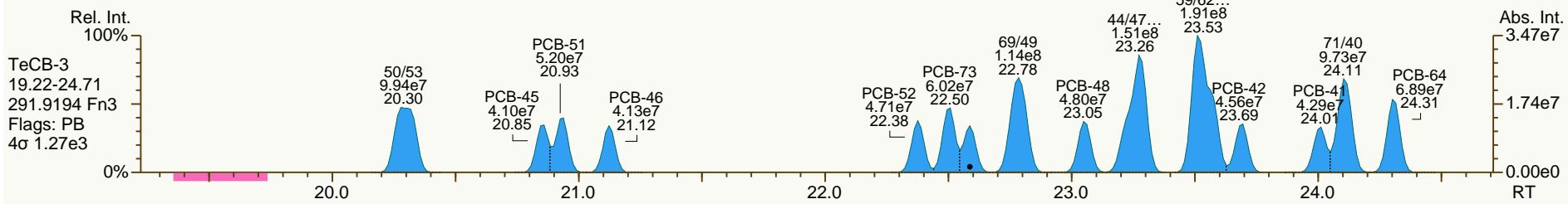
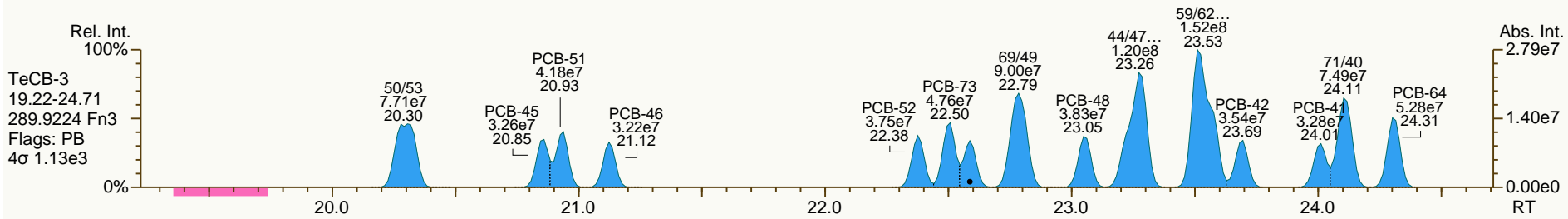
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

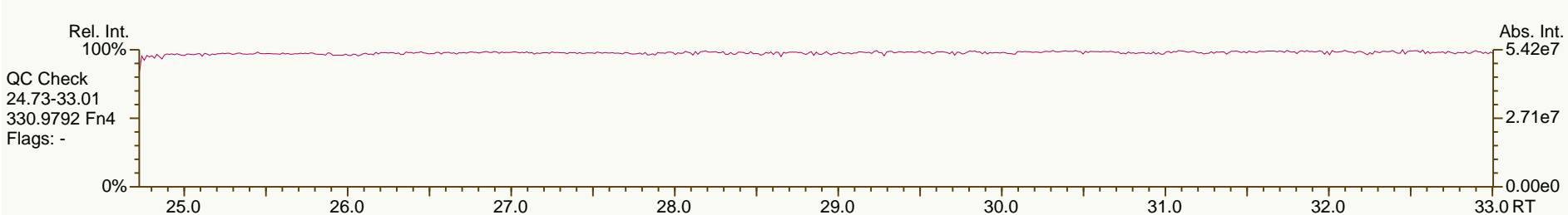
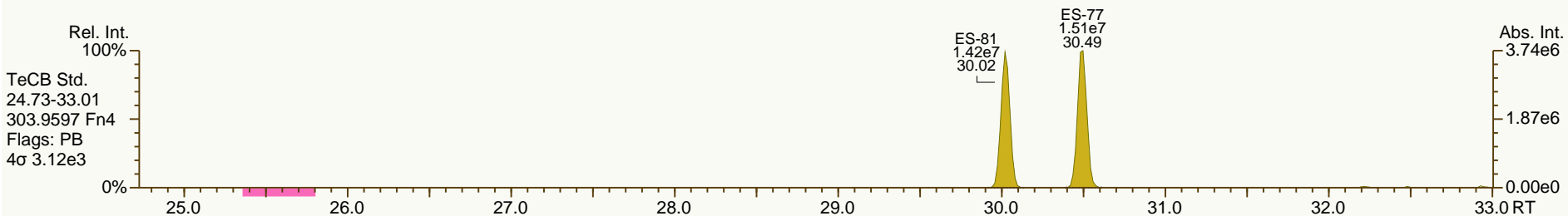
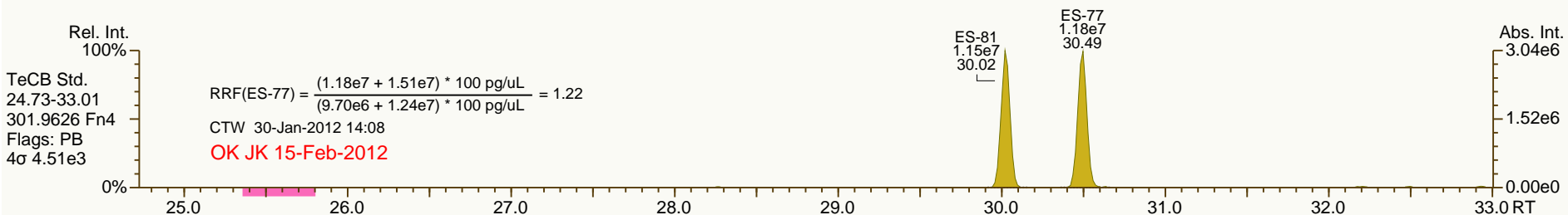
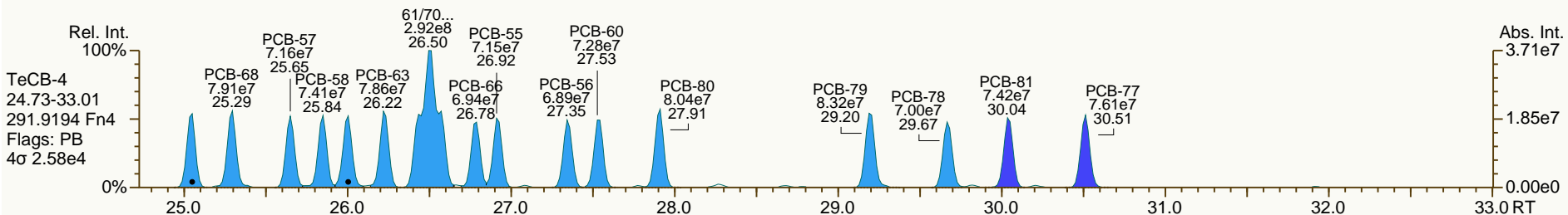
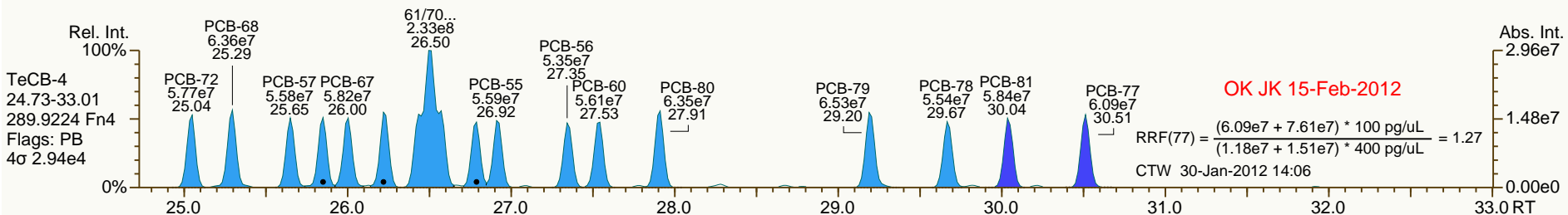
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

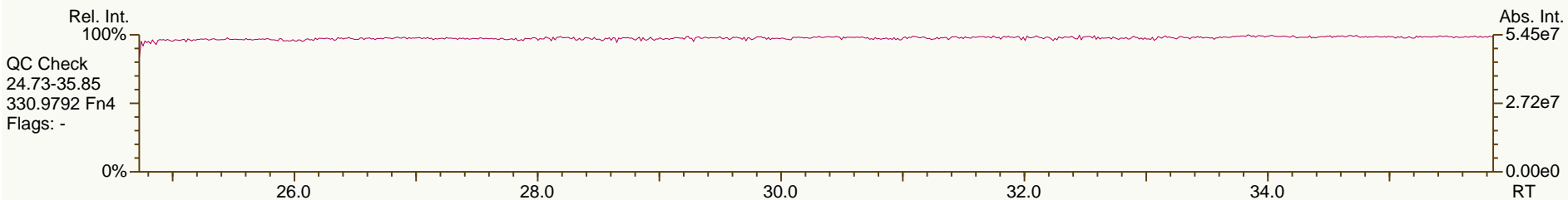
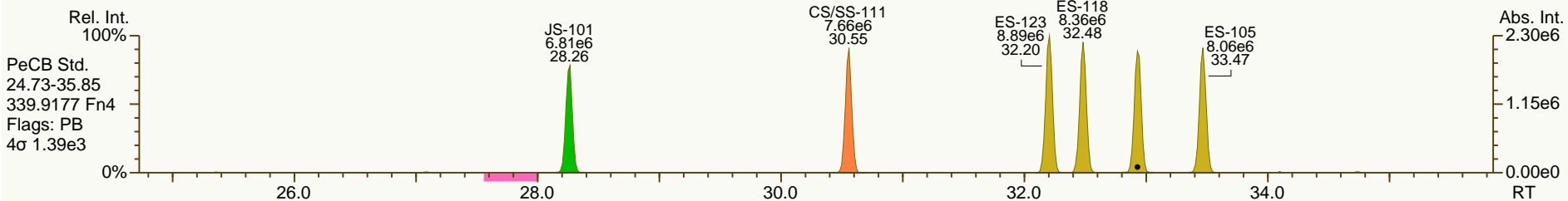
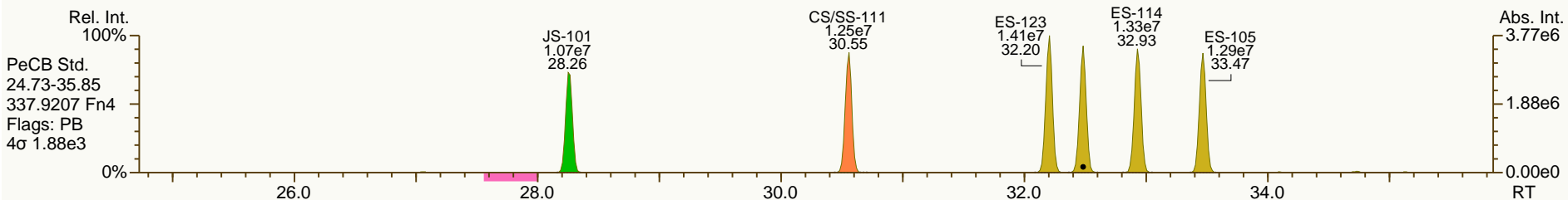
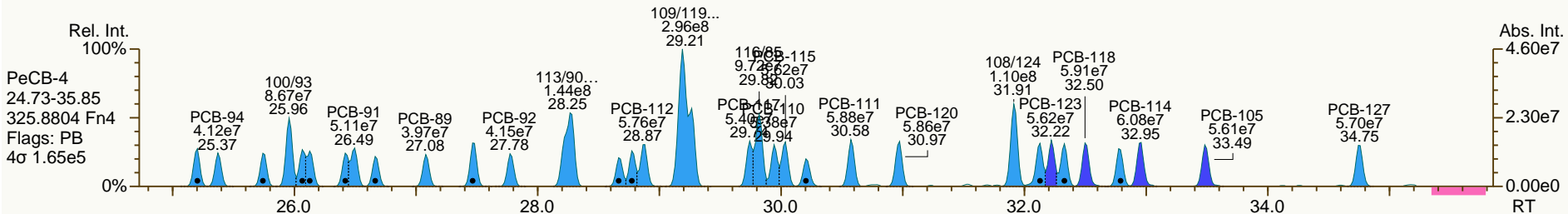
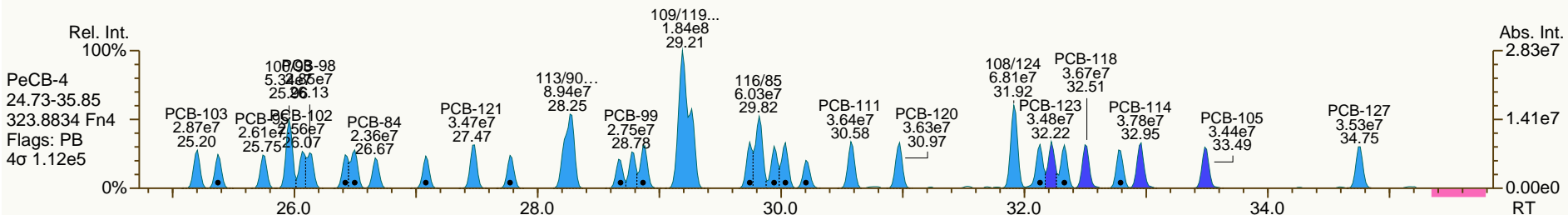
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

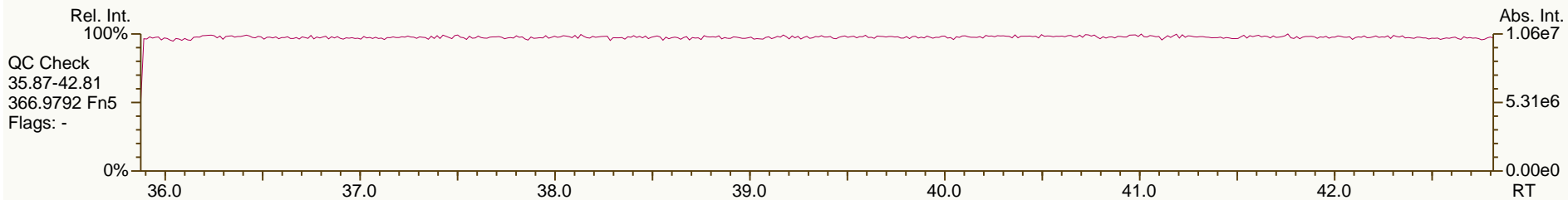
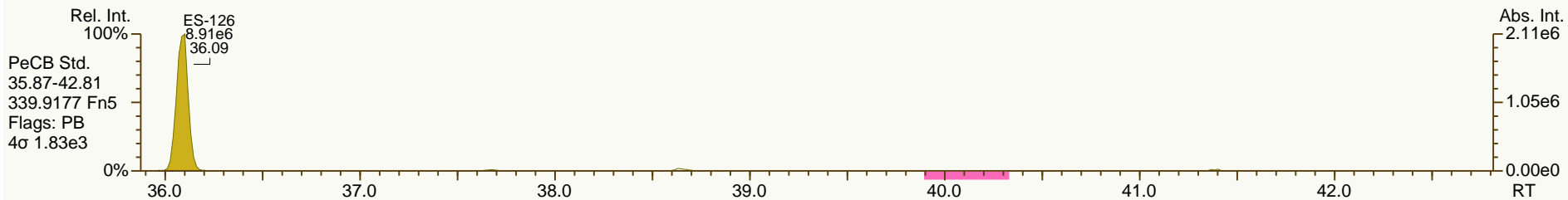
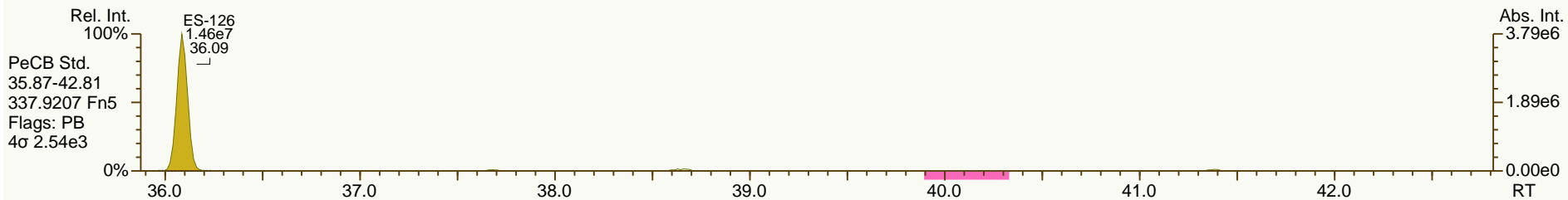
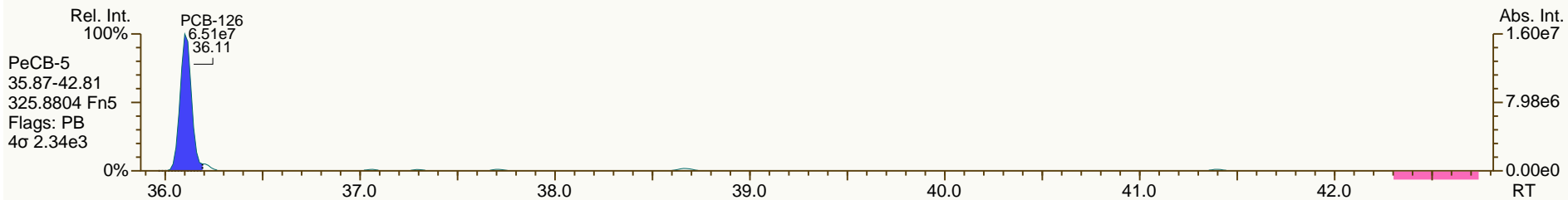
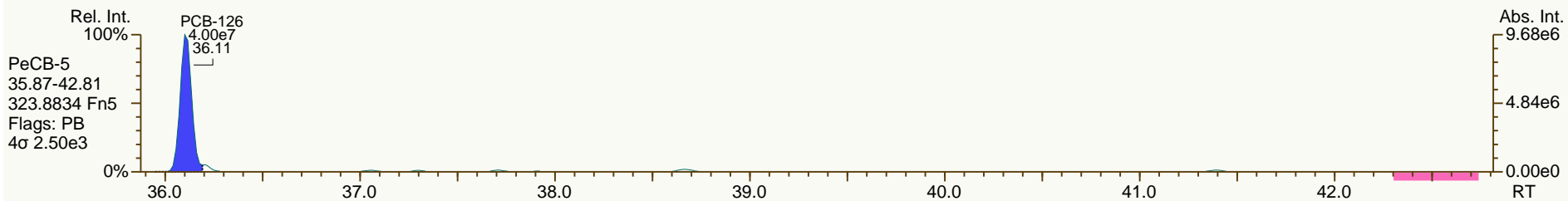
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

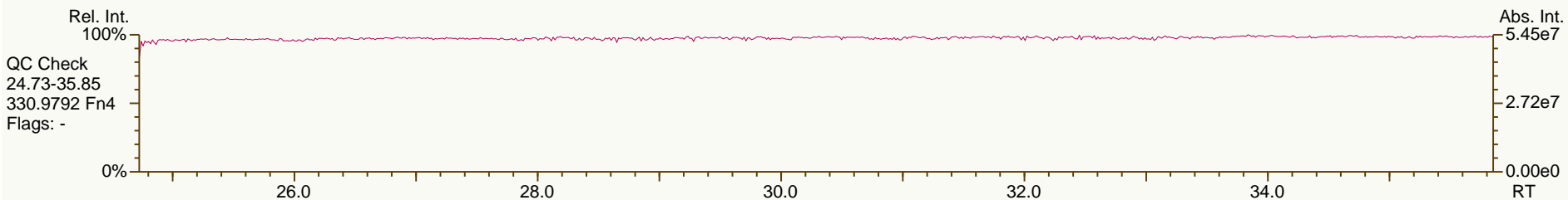
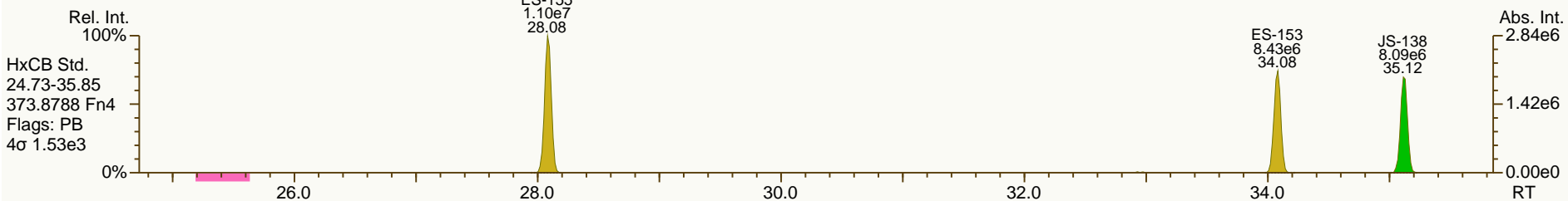
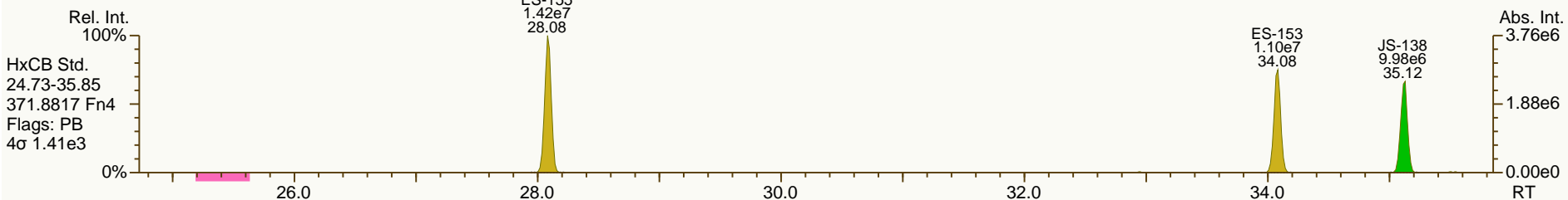
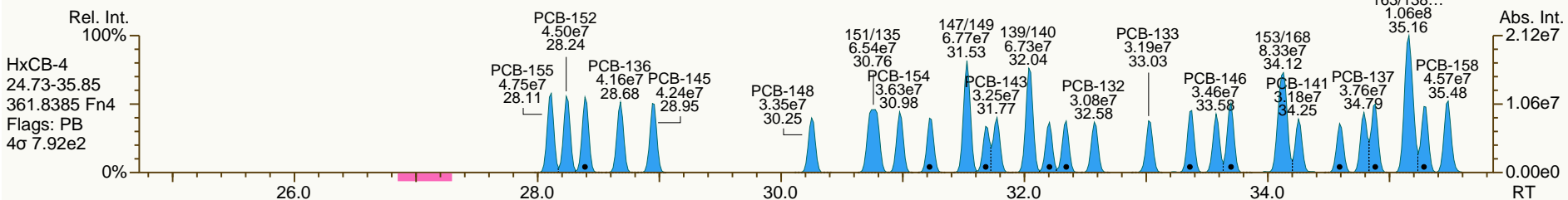
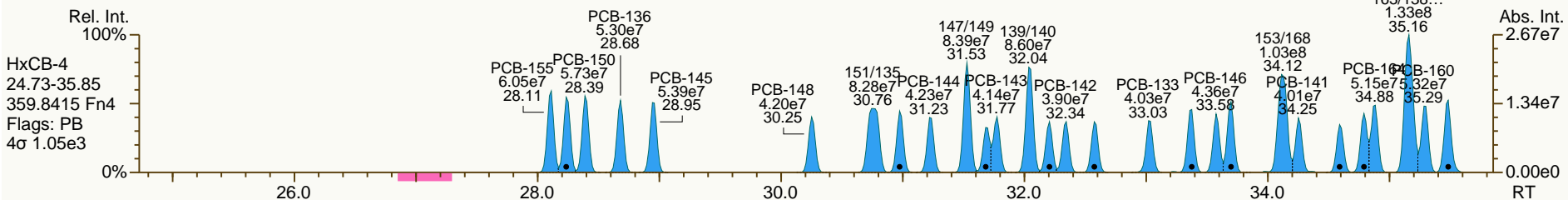
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

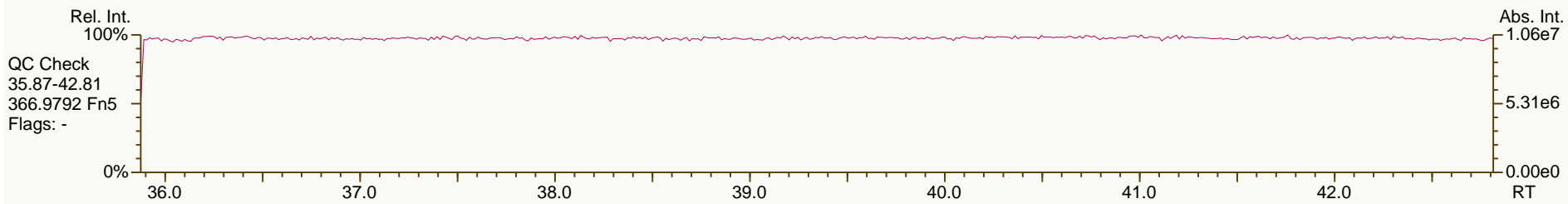
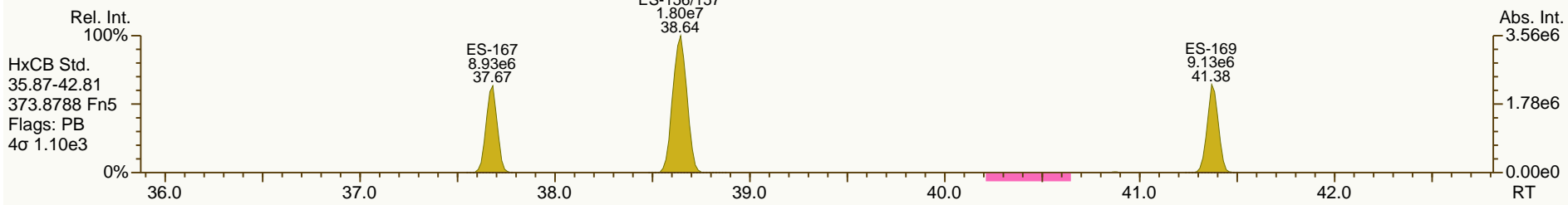
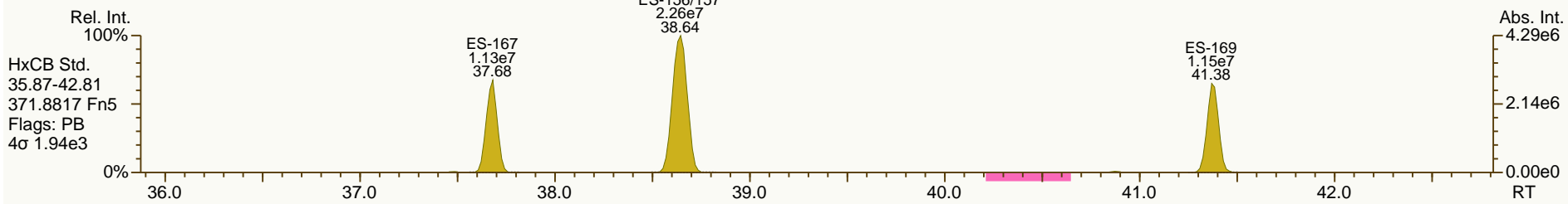
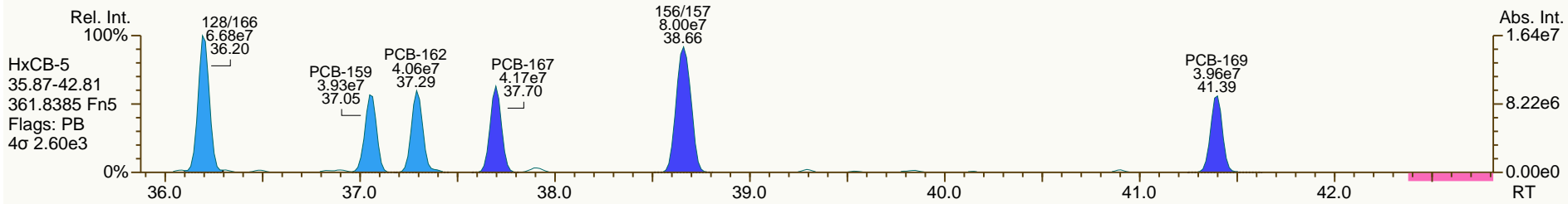
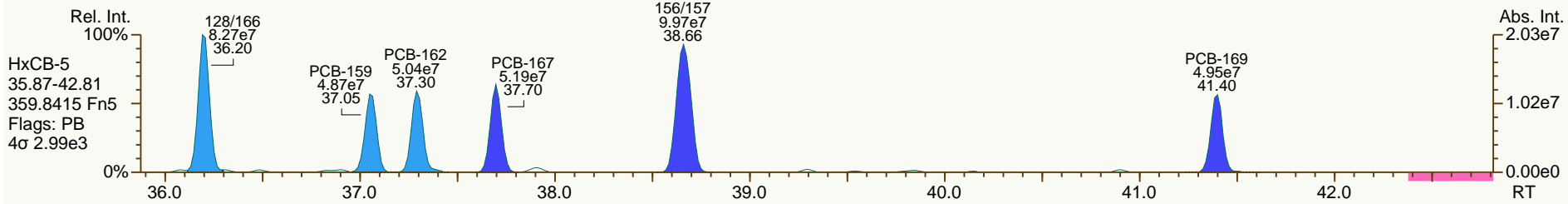
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

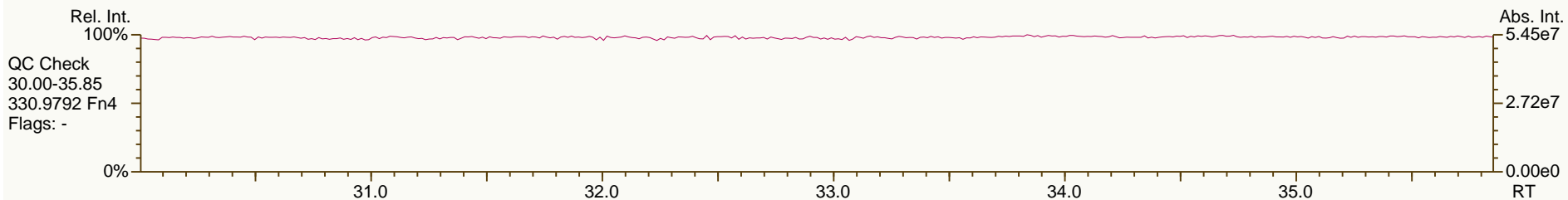
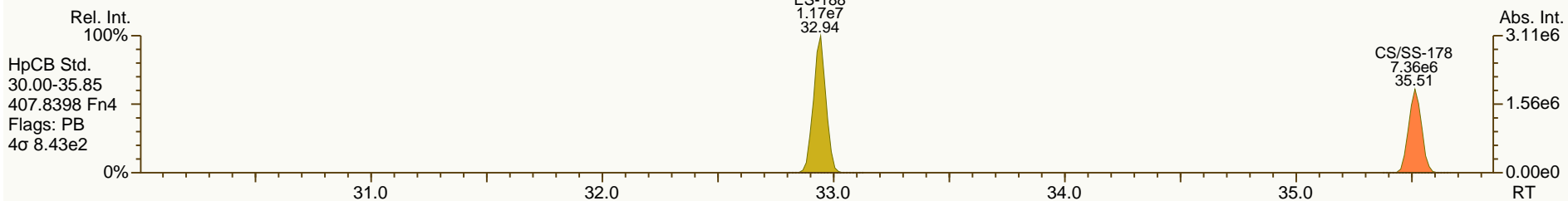
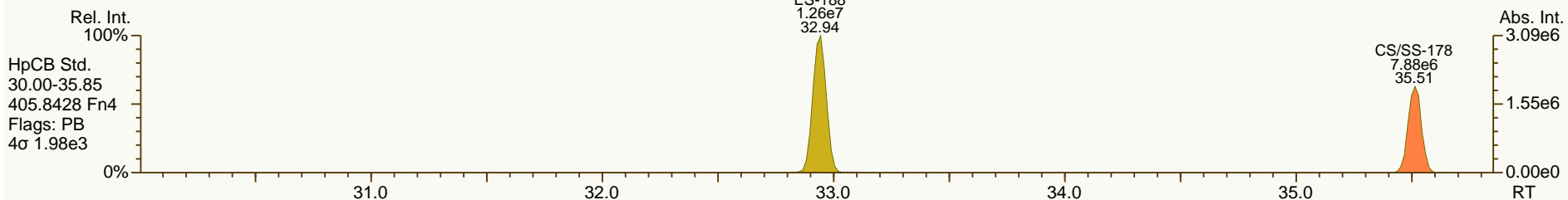
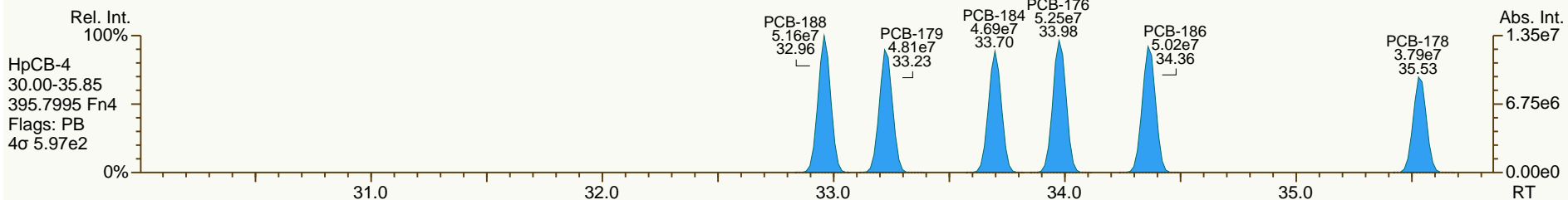
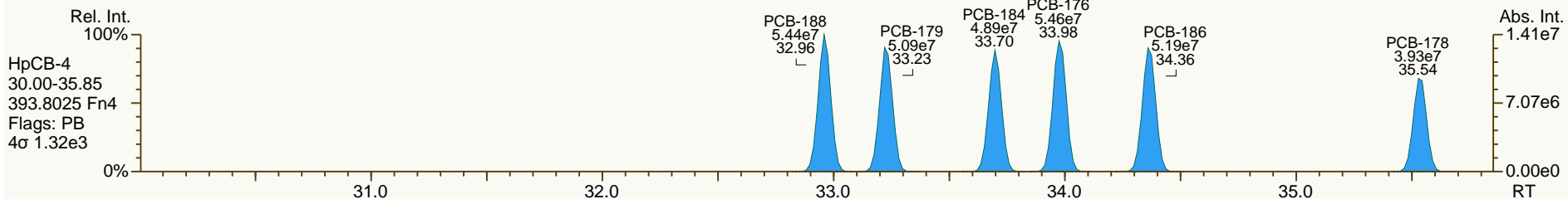
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

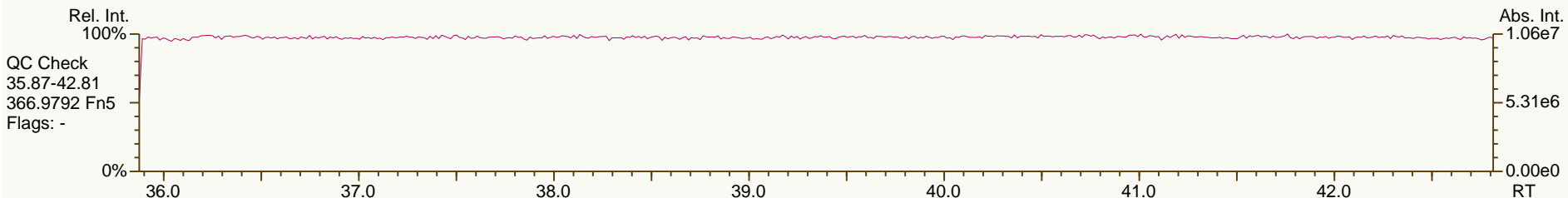
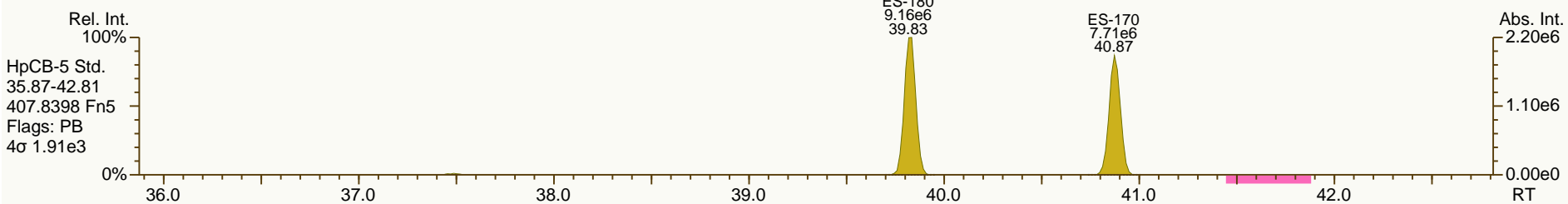
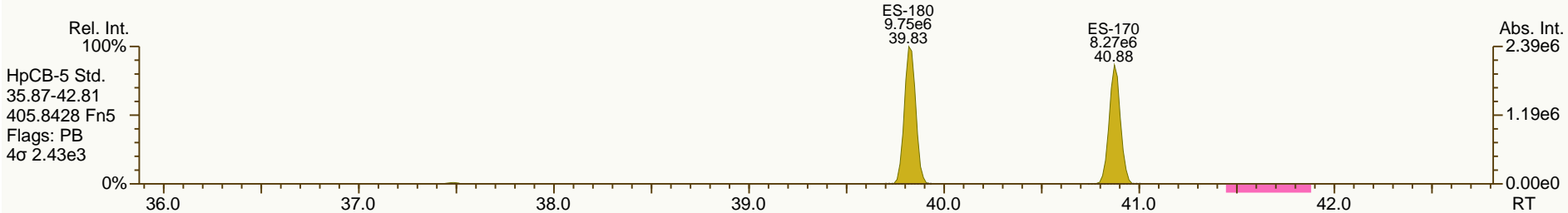
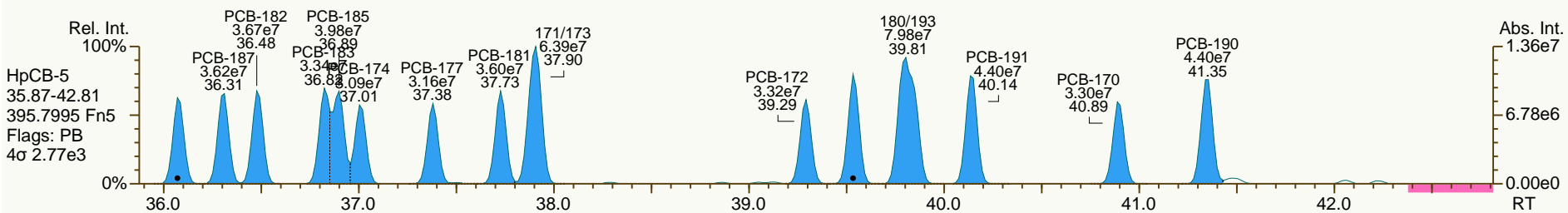
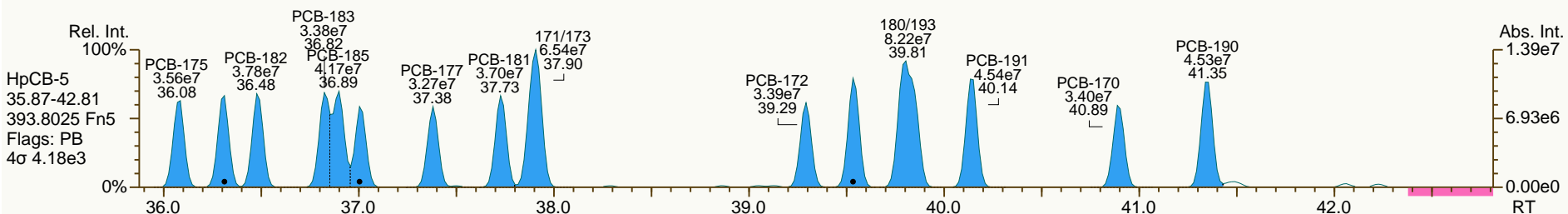
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

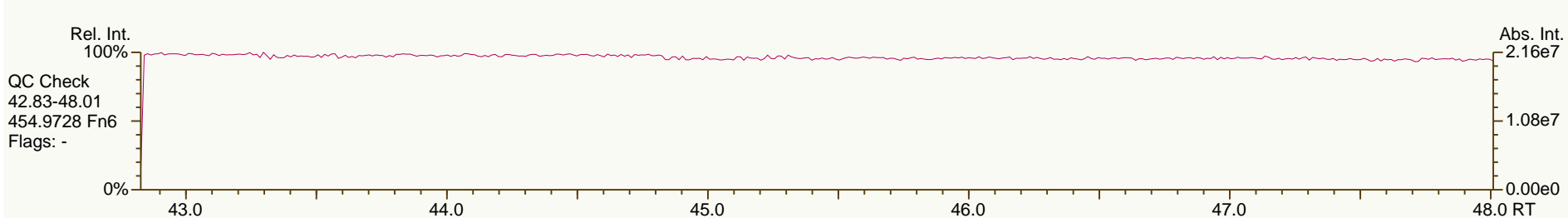
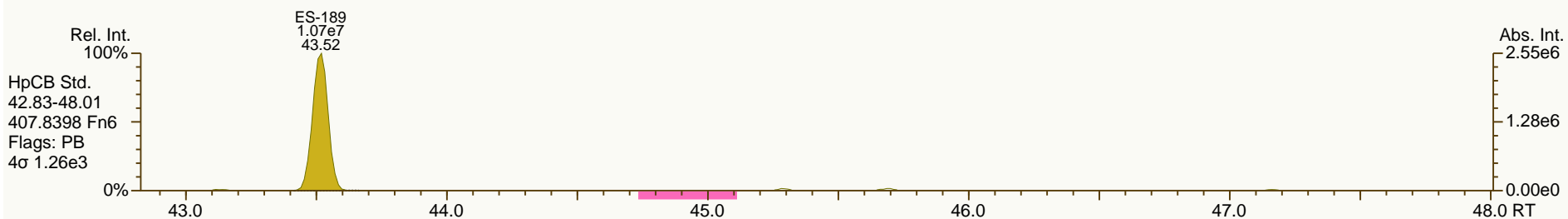
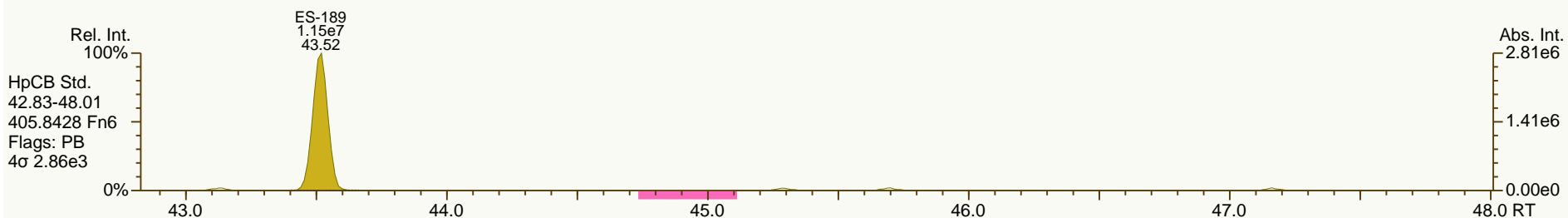
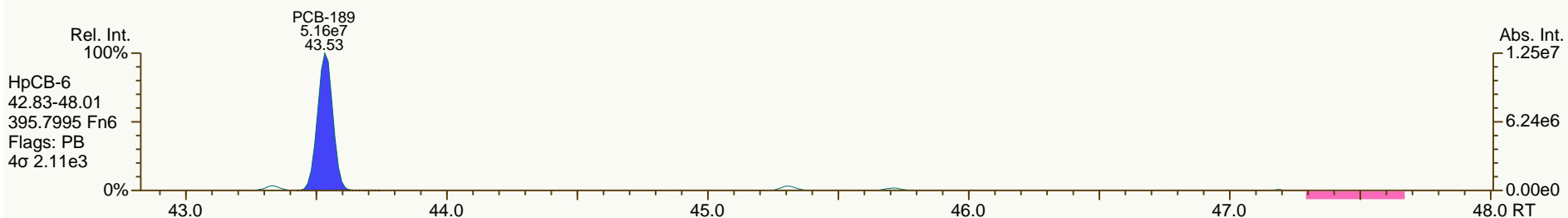
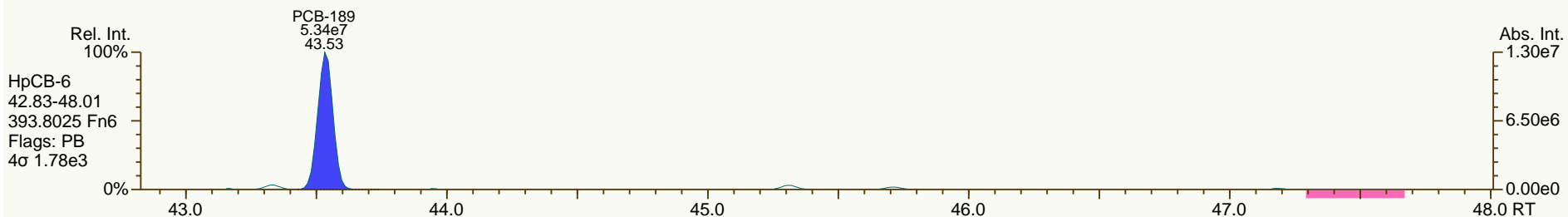
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

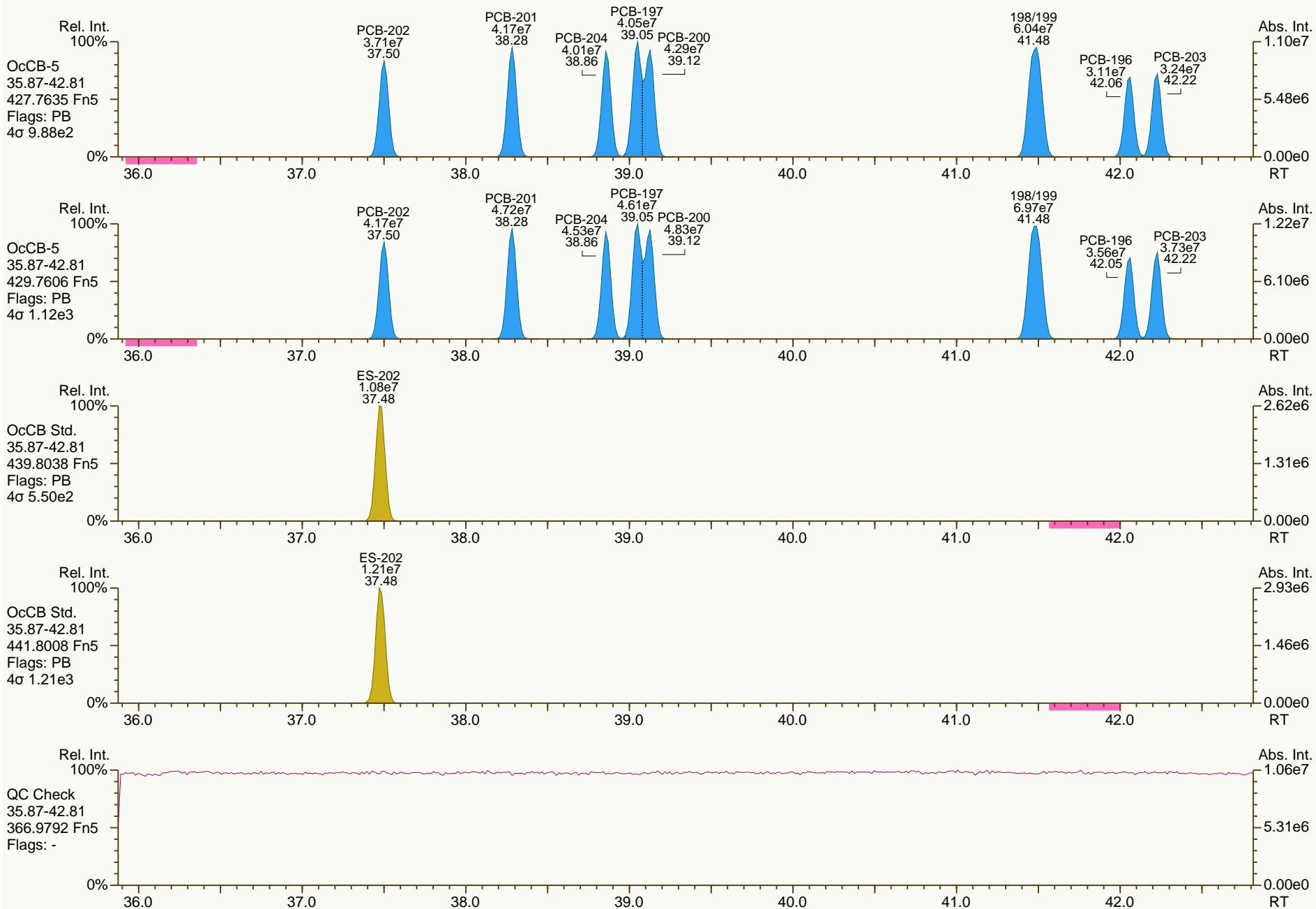
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

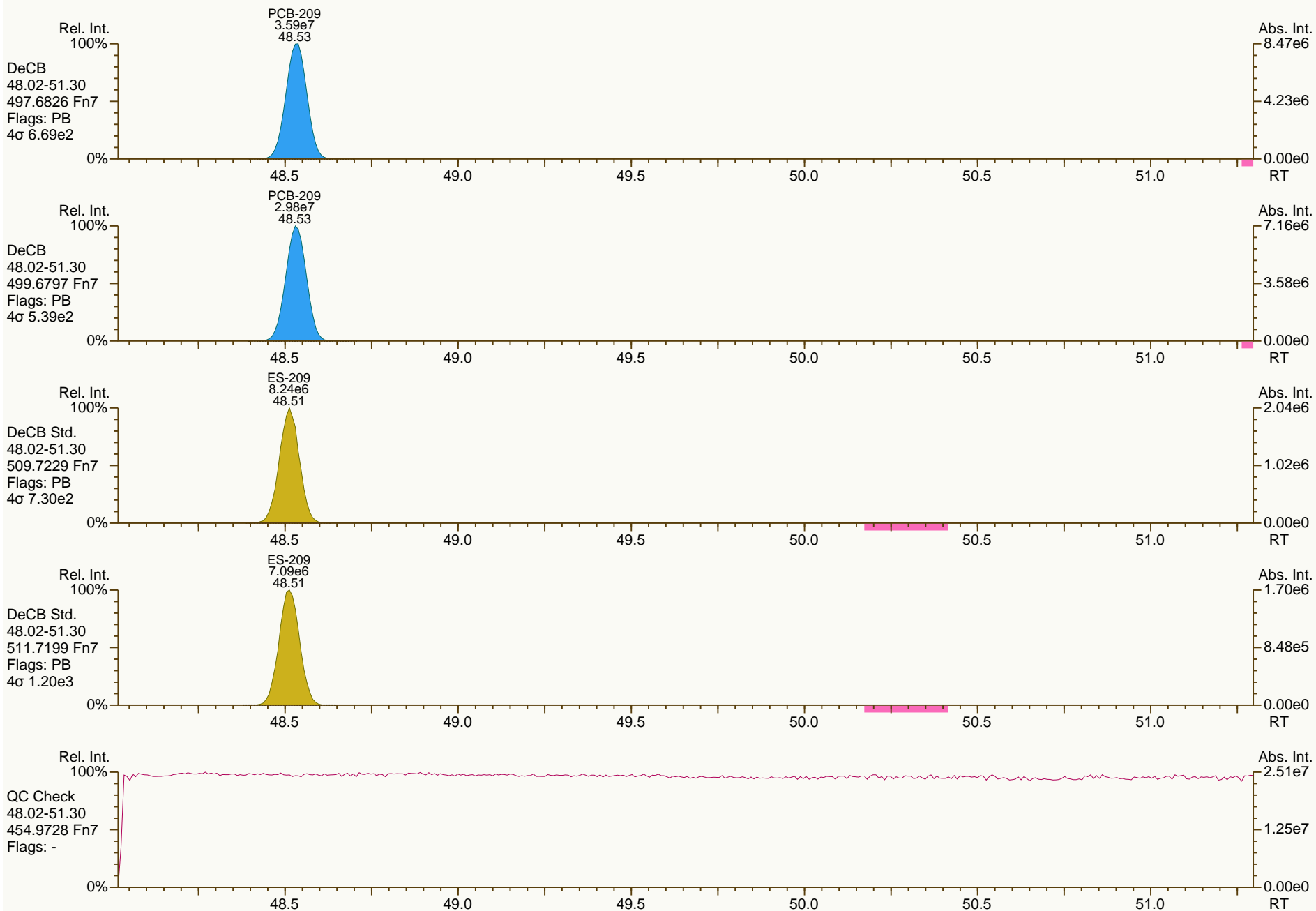
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 20:44							
Datafile:	120126S08							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.52	1.16E+09	0.79 Y	1.22	1.29	5.5%		
PCB-81 344'5'-TeCB	30.05	1.13E+09	0.77 Y	1.24	1.31	5.0%		
PCB-105 233'44'-PeCB	33.50	7.39E+08	0.61 Y	1.03	1.07	4.3%		
PCB-114 2344'5'-PeCB	32.96	7.95E+08	0.61 Y	1.10	1.15	4.7%		
PCB-118 23'44'5'-PeCB	32.51	7.59E+08	0.61 Y	1.03	1.09	5.5%		
PCB-123 2'344'5'-PeCB	32.23	7.43E+08	0.61 Y	0.93	0.99	6.9%		
PCB-126 33'44'5'-PeCB	36.12	9.02E+08	0.62 Y	1.11	1.18	5.9%		
PCB-156/157 233'44'5'/233'44'5'	38.67	1.45E+09	1.24 Y	1.05	1.13	7.7%		
PCB-167 23'44'55'-HxCB	37.71	7.39E+08	1.24 Y	1.08	1.16	7.1%		
PCB-169 33'44'55'-HxCB	41.40	7.22E+08	1.25 Y	1.04	1.10	5.1%		
PCB-189 233'44'55'-HpCB	43.54	8.29E+08	1.05 Y	1.11	1.17	5.0%		
PCB-209 DeCB	48.54	5.01E+08	1.16 Y	1.05	1.08	3.1%		
ES PCB-1	10.49	6.65E+07	3.16 Y	1.01	1.02	0.6%		
ES PCB-3	12.54	7.05E+07	3.19 Y	1.05	1.08	2.7%		
ES PCB-4	12.77	4.55E+07	1.54 Y	0.70	0.70	-0.2%		
ES PCB-15	18.11	7.97E+07	1.60 Y	1.17	1.22	4.2%		
ES PCB-19	15.61	3.68E+07	1.05 Y	0.57	0.56	-0.7%		
ES PCB-37	24.24	5.44E+07	1.08 Y	1.41	1.49	5.3%		
ES PCB-54	18.36	5.06E+07	0.78 Y	1.32	1.38	4.6%		
ES PCB-77	30.50	4.50E+07	0.82 Y	1.22	1.23	1.1%		
ES PCB-81	30.03	4.34E+07	0.80 Y	1.15	1.19	3.0%		
ES PCB-104	23.19	4.79E+07	1.54 Y	1.69	1.68	-0.1%		
ES PCB-105	33.47	3.45E+07	1.57 Y	1.21	1.21	0.7%		
ES PCB-114	32.94	3.46E+07	1.60 Y	1.23	1.22	-1.1%		
ES PCB-118	32.49	3.48E+07	1.60 Y	1.25	1.22	-1.7%		
ES PCB-123	32.21	3.76E+07	1.55 Y	1.33	1.32	-0.3%		
ES PCB-126	36.10	3.83E+07	1.64 Y	1.36	1.35	-0.8%		
ES PCB-153	34.09	3.08E+07	1.24 Y	1.09	1.10	1.8%		
ES PCB-155	28.09	3.94E+07	1.26 Y	1.40	1.41	0.7%		
ES PCB-156/157	38.65	6.43E+07	1.27 Y	1.13	1.15	1.7%		
ES PCB-167	37.68	3.19E+07	1.24 Y	1.13	1.14	1.3%		
ES PCB-169	41.38	3.29E+07	1.25 Y	1.14	1.18	3.4%		
ES PCB-170	40.88	2.43E+07	1.06 Y	1.23	1.26	2.1%		
ES PCB-180	39.83	2.91E+07	1.04 Y	1.46	1.50	2.6%		
ES PCB-188	32.95	3.66E+07	1.05 Y	1.34	1.31	-2.0%		
ES PCB-189	43.52	3.56E+07	1.06 Y	1.77	1.84	4.1%		
ES PCB-202	37.49	3.53E+07	0.90 Y	1.27	1.27	-0.4%		
ES PCB-205	45.69	2.49E+07	0.88 Y	1.25	1.29	3.1%		
ES PCB-206	47.16	2.12E+07	0.79 Y	1.07	1.10	2.7%		
ES PCB-208	43.13	2.65E+07	0.79 Y	1.34	1.37	2.2%		
ES PCB-209	48.52	2.32E+07	1.21 Y	1.18	1.20	1.0%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49		
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	5.37E+07	1.07 Y	0.98	0.99	0.5%	
SS PCB-111	30.56	3.34E+07	1.55 Y	0.90	0.89	-1.0%	
SS PCB-178	35.52	2.41E+07	1.07 Y	0.65	0.66	1.8%	
CS PCB-28	20.78	5.37E+07	1.07 Y	1.39	1.47	5.9%	
CS PCB-111	30.56	3.34E+07	1.55 Y	1.19	1.18	-1.3%	
CS PCB-178	35.52	2.41E+07	1.07 Y	0.87	0.87	-0.3%	
JS PCB-9	14.60	6.53E+07	1.62 Y	-	-	-	
JS PCB-52	22.37	3.66E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	2.84E+07	1.55 Y	-	-	-	
JS PCB-138	35.13	2.79E+07	1.22 Y	-	-	-	
JS PCB-194	45.29	1.94E+07	0.88 Y	-	-	-	
PCB-1 2-MoCB	10.50	1.65E+09	3.13 Y	1.20	1.24	3.3%	
PCB-3 4-MoCB	12.55	1.65E+09	3.11 Y	1.13	1.17	3.7%	
PCB-4 22'-DiCB	12.78	9.03E+08	1.55 Y	0.94	0.99	5.1%	
PCB-15 44'-DiCB	18.12	1.65E+09	1.54 Y	1.01	1.04	3.1%	
PCB-19 22'6'-TrCB	15.63	7.80E+08	1.03 Y	1.01	1.06	5.0%	
PCB-37 344'-TrCB	24.26	1.37E+09	1.06 Y	1.20	1.26	4.8%	
PCB-54 22'66'-TeCB	18.38	9.91E+08	0.77 Y	0.93	0.98	5.0%	
PCB-104 22'466'-PeCB	23.22	9.19E+08	0.61 Y	0.92	0.96	4.7%	
PCB-153 22'44'55' -HxCB	34.13	1.47E+09	1.26 Y	1.15	1.19	4.1%	
PCB-155 22'44'66'-HxCB	28.12	8.78E+08	1.27 Y	1.06	1.11	5.5%	
PCB-170 22'33'44'5'-HpCB	40.90	5.26E+08	1.04 Y	1.00	1.08	8.2%	
PCB-180 22'344'55'-HpCB	39.82	1.24E+09	1.05 Y	1.01	1.06	4.8%	
PCB-188 22'34'566'-HpCB	32.97	8.25E+08	1.06 Y	1.07	1.13	5.6%	
PCB-202 22'33'55'66'-OcCB	37.51	6.03E+08	0.89 Y	0.83	0.85	3.3%	
PCB-205 233'44'55'6'-OcCB	45.71	5.72E+08	0.90 Y	1.09	1.15	5.0%	
PCB-208 22'33'455'66'-NoCB	43.15	5.44E+08	0.78 Y	0.98	1.03	5.2%	
PCB-206 22'33'44'55'6'-NoCB	47.18	4.12E+08	0.80 Y	0.93	0.97	4.1%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	1.65E+09	3.13 Y	1.20	1.24	3.3%	
PCB-2 3-MoCB	12.39	1.66E+09	3.12 Y	1.13	1.17	3.8%	
PCB-3 4-MoCB	12.55	1.65E+09	3.11 Y	1.13	1.17	3.7%	
PCB-4 22'-DiCB	12.78	9.03E+08	1.55 Y	0.94	0.99	5.1%	
PCB-10 26-DiCB	12.94	1.35E+09	1.56 Y	1.43	1.49	4.0%	
PCB-9 25-DiCB	14.61	1.41E+09	1.54 Y	0.87	0.88	1.7%	
PCB-7 24-DiCB	14.76	1.59E+09	1.55 Y	1.00	1.00	-0.4%	
PCB-6 23'-DiCB	14.97	1.50E+09	1.55 Y	0.94	0.94	0.6%	
PCB-5 23-DiCB	15.25	1.53E+09	1.55 Y	0.92	0.96	4.0%	
PCB-8 24'-DiCB	15.37	1.55E+09	1.54 Y	0.95	0.97	2.3%	
PCB-14 35-DiCB	16.84	1.78E+09	1.56 Y	1.09	1.12	2.2%	
PCB-11 33'-DiCB	17.58	1.55E+09	1.55 Y	0.98	0.97	-0.2%	
PCB-13/12 34'-/34-DiCB	17.85	3.19E+09	1.54 Y	0.97	1.00	3.3%	
PCB-15 44'-DiCB	18.12	1.65E+09	1.54 Y	1.01	1.04	3.1%	
PCB-19 22'6-TrCB	15.63	7.80E+08	1.03 Y	1.01	1.06	5.0%	
PCB-30/18 246-/22'5-TrCB	17.30	2.06E+09	1.03 Y	1.29	1.40	8.2%	
PCB-17 22'4-TrCB	17.68	8.84E+08	1.02 Y	1.14	1.20	5.7%	
PCB-27 23'6-TrCB	17.87	1.19E+09	1.03 Y	1.48	1.62	9.0%	
PCB-24 236-TrCB	17.99	1.10E+09	1.01 Y	1.43	1.50	5.0%	
PCB-16 22'3-TrCB	18.07	6.92E+08	1.04 Y	0.89	0.94	5.3%	
PCB-32 24'6-TrCB	18.54	1.21E+09	1.04 Y	1.56	1.65	5.9%	
PCB-34 2'35-TrCB	19.66	1.33E+09	1.06 Y	1.18	1.22	3.7%	
PCB-23 235-TrCB	19.80	1.34E+09	1.05 Y	1.19	1.23	3.9%	
PCB-26/29 23'5-/245-TrCB	20.08	2.75E+09	1.07 Y	1.20	1.26	5.2%	
PCB-25 23'4-TrCB	20.27	1.37E+09	1.06 Y	1.19	1.26	5.8%	
PCB-31 24'5-TrCB	20.54	1.41E+09	1.06 Y	1.23	1.30	5.8%	
PCB-28/20 244'-/233'-TrCB	20.81	2.73E+09	1.06 Y	1.18	1.25	6.2%	
PCB-21/33 234-/2'34-TrCB	20.97	2.78E+09	1.06 Y	1.21	1.28	5.2%	
PCB-22 234'-TrCB	21.34	1.28E+09	1.05 Y	1.11	1.18	5.5%	
PCB-36 33'5-TrCB	22.71	1.38E+09	1.07 Y	1.21	1.27	4.4%	
PCB-39 34'5-TrCB	23.02	1.44E+09	1.05 Y	1.32	1.33	0.6%	
PCB-38 345-TrCB	23.52	1.30E+09	1.06 Y	1.15	1.20	3.6%	
PCB-35 33'4-TrCB	23.91	1.27E+09	1.05 Y	1.13	1.17	3.2%	
PCB-37 344'-TrCB	24.26	1.37E+09	1.06 Y	1.20	1.26	4.8%	
PCB-54 22'66'-TeCB	18.38	9.91E+08	0.77 Y	0.93	0.98	5.0%	
PCB-50/53 22'46-/22'56'TeCB	20.31	1.56E+09	0.80 Y	0.83	0.90	8.0%	
PCB-45 22'36'-TeCB	20.86	6.63E+08	0.77 Y	0.71	0.76	8.3%	
PCB-51 22'46'-TeCB	20.94	8.16E+08	0.78 Y	0.88	0.94	7.1%	
PCB-46 22'36'-TeCB	21.13	6.37E+08	0.80 Y	0.69	0.73	5.7%	
PCB-52 22'55'-TeCB	22.39	7.26E+08	0.79 Y	0.80	0.84	4.3%	
PCB-73 23'5'6TeCB	22.51	9.52E+08	0.76 Y	1.03	1.10	6.3%	
PCB-43 22'35'-TeCB	22.60	6.36E+08	0.77 Y	0.71	0.73	3.9%	
PCB-69/49 23'46-/22'45'TeCB	22.80	1.76E+09	0.77 Y	0.96	1.01	5.7%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.06	7.45E+08	0.78 Y	0.84	0.86	2.7%	
PCB-44/47/65 22'35'-/22'44'-	23.28	2.34E+09	0.77 Y	0.86	0.90	4.6%	
PCB-59/62/75 233'6-/2346-/24	23.55	2.96E+09	0.77 Y	1.09	1.14	4.2%	
PCB-42 22'34'-TeCB	23.70	6.84E+08	0.78 Y	0.77	0.79	2.9%	
PCB-41 22'34'-TeCB	24.02	6.65E+08	0.77 Y	0.73	0.77	5.6%	
PCB-71/40 23'4'6/22'33'-TeCB	24.12	1.48E+09	0.77 Y	0.81	0.85	4.5%	
PCB-64 234'6'-TeCB	24.32	1.05E+09	0.77 Y	1.17	1.21	3.5%	
PCB-72 23'55'-TeCB	25.05	1.13E+09	0.78 Y	1.25	1.31	4.4%	
PCB-68 23'45'-TeCB	25.30	1.20E+09	0.77 Y	1.36	1.39	1.6%	
PCB-57 233'5'-TeCB	25.66	1.08E+09	0.78 Y	1.22	1.25	2.1%	
PCB-58 233'5'-TeCB	25.86	1.09E+09	0.79 Y	1.26	1.26	0.0%	
PCB-67 23'45'-TeCB	26.01	1.15E+09	0.79 Y	1.27	1.32	3.6%	
PCB-63 234'5'-TeCB	26.23	1.22E+09	0.78 Y	1.34	1.41	5.5%	
PCB-61/70/74/76 2345-/23'4'5	26.52	4.58E+09	0.78 Y	1.24	1.32	6.2%	
PCB-66 23'44'-TeCB	26.79	1.07E+09	0.79 Y	1.19	1.24	4.2%	
PCB-55 233'4'-TeCB	26.93	1.08E+09	0.79 Y	1.22	1.24	2.1%	
PCB-56 233'4'-TeCB	27.36	1.06E+09	0.78 Y	1.18	1.23	4.1%	
PCB-60 2344'-TeCB	27.54	1.13E+09	0.77 Y	1.24	1.31	5.6%	
PCB-80 33'55'-TeCB	27.92	1.23E+09	0.78 Y	1.37	1.41	2.9%	
PCB-79 33'45'-TeCB	29.21	1.25E+09	0.79 Y	1.37	1.45	5.6%	
PCB-78 33'45'-TeCB	29.68	1.07E+09	0.78 Y	1.19	1.23	3.2%	
PCB-104 22'466'-PeCB	23.22	9.19E+08	0.61 Y	0.92	0.96	4.7%	
PCB-96 22'366'-PeCB	23.51	7.98E+08	0.62 Y	0.81	0.83	2.9%	
PCB-103 22'45'6'-PeCB	25.21	6.26E+08	0.62 Y	0.78	0.83	7.4%	
PCB-94 22'356'-PeCB	25.38	5.54E+08	0.62 Y	0.71	0.74	3.6%	
PCB-95 22'35'6'-PeCB	25.76	5.92E+08	0.62 Y	0.74	0.79	6.1%	
PCB-100/93 22'44'6-/22'356-P	25.97	1.21E+09	0.62 Y	0.75	0.81	8.0%	
PCB-102 22'456'-PeCB	26.08	5.99E+08	0.61 Y	0.75	0.80	6.5%	
PCB-98 22'3'46'-PeCB	26.14	5.80E+08	0.62 Y	0.71	0.77	8.6%	
PCB-88 22'346'-PeCB	26.43	5.37E+08	0.61 Y	0.66	0.71	7.5%	
PCB-91 22'34'6'-PeCB	26.50	6.67E+08	0.62 Y	0.84	0.89	5.8%	
PCB-84 22'33'6'-PeCB	26.68	5.14E+08	0.62 Y	0.65	0.68	5.3%	
PCB-89 22'346'-PeCB	27.09	5.42E+08	0.62 Y	0.69	0.72	5.0%	
PCB-121 23'45'6'-PeCB	27.48	7.69E+08	0.62 Y	0.98	1.02	4.0%	
PCB-92 22'355'-PeCB	27.79	5.52E+08	0.61 Y	0.72	0.74	2.7%	
PCB-113/90/101 233'5'6-/22'3	28.26	1.91E+09	0.62 Y	0.81	0.85	4.6%	
PCB-83 22'33'5'-PeCB	28.68	4.86E+08	0.62 Y	0.62	0.65	3.8%	
PCB-99 22'44'5'-PeCB	28.79	6.26E+08	0.62 Y	0.76	0.83	9.0%	
PCB-112 233'56'-PeCB	28.88	7.43E+08	0.62 Y	0.96	0.99	2.6%	
PCB-108/119/86/97/125/87 233	29.22	3.91E+09	0.62 Y	0.83	0.87	5.1%	
PCB-117 234'56'-PeCB	29.75	7.67E+08	0.61 Y	0.94	1.02	8.5%	
PCB-116/85 23456-/22'344'-Pe	29.83	1.26E+09	0.62 Y	0.81	0.84	3.8%	
PCB-110 233'4'6'-PeCB	29.96	7.40E+08	0.61 Y	0.92	0.99	7.1%	

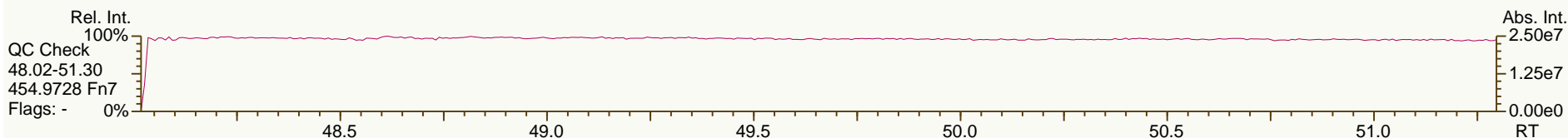
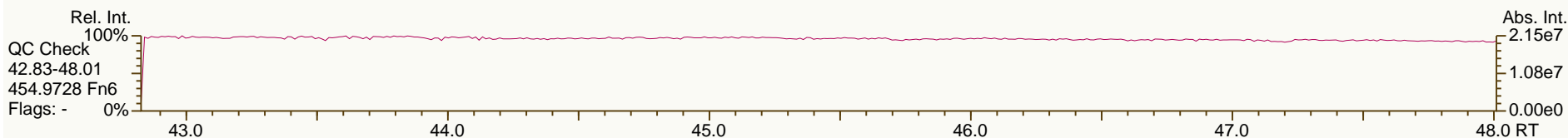
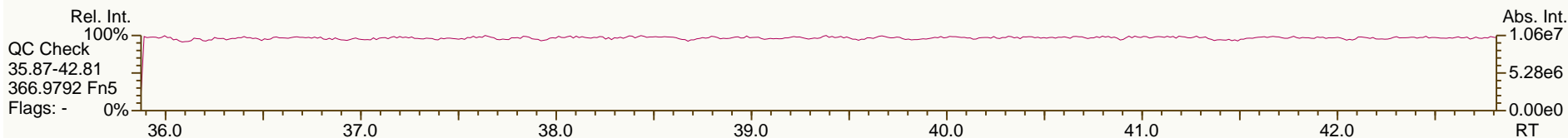
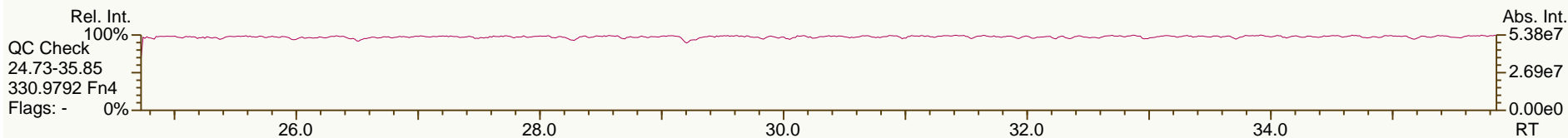
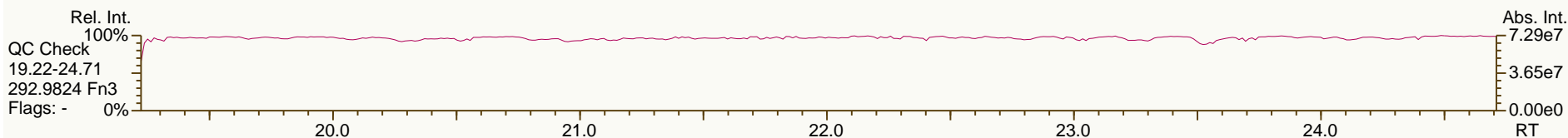
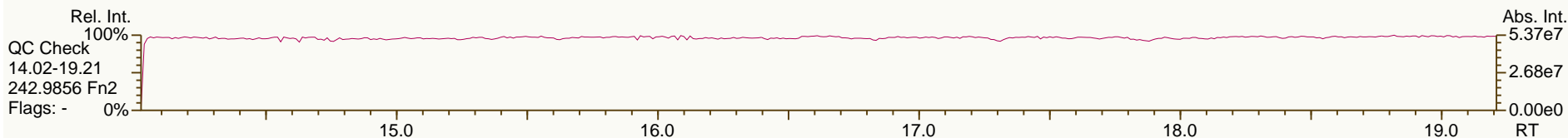
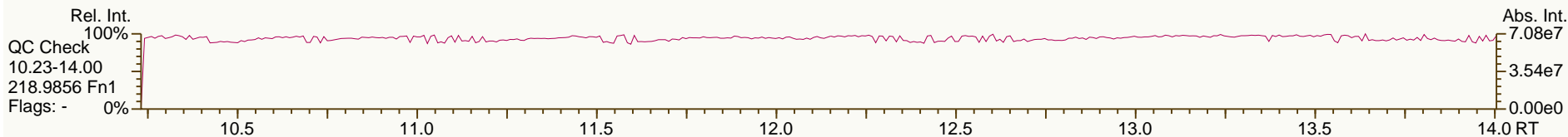
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.04	7.24E+08	0.62 Y	0.95	0.96	1.6%	
PCB-82 22'33'4-PeCB	30.22	4.82E+08	0.61 Y	0.62	0.64	4.1%	
PCB-111 233'55'-PeCB	30.59	7.70E+08	0.62 Y	0.98	1.03	4.1%	
PCB-120 23'455'-PeCB	30.98	7.71E+08	0.61 Y	0.99	1.03	3.3%	
PCB-107/124 233'4'5-/2'3455'	31.93	1.46E+09	0.62 Y	0.92	0.97	5.5%	
PCB-109 233'46-PeCB	32.13	8.05E+08	0.61 Y	1.00	1.07	7.7%	
PCB-106 233'45-PeCB	32.33	7.34E+08	0.62 Y	0.96	0.98	1.5%	
PCB-122 2'33'45-PeCB	32.79	6.75E+08	0.62 Y	0.93	0.97	5.2%	
PCB-127 33'455'-PeCB	34.76	7.40E+08	0.62 Y	1.04	1.07	3.1%	
PCB-155 22'44'66'-HxCB	28.12	8.78E+08	1.27 Y	1.06	1.11	5.5%	
PCB-152 22'3566'-HxCB	28.25	8.32E+08	1.27 Y	0.98	1.05	7.4%	
PCB-150 22'34'66'-HxCB	28.40	8.25E+08	1.26 Y	0.99	1.05	6.1%	
PCB-136 22'33'66'-HxCB	28.69	7.88E+08	1.26 Y	0.92	1.00	8.7%	
PCB-145 22'3466'HxCB	28.96	7.92E+08	1.26 Y	0.94	1.00	7.0%	
PCB-148 22'34'56'-HxCB	30.26	6.11E+08	1.27 Y	0.95	0.99	4.7%	
PCB-151/135 22'355'6-/22'33'	30.77	1.20E+09	1.26 Y	0.92	0.97	6.0%	
PCB-154 22'44'5'6-HxCB	30.99	6.74E+08	1.26 Y	1.01	1.09	7.8%	
PCB-144 22'345'6-HxCB	31.24	6.14E+08	1.26 Y	0.93	1.00	7.0%	
PCB-147/149 22'34'56-/22'34'	31.54	1.23E+09	1.24 Y	0.94	1.00	6.7%	
PCB-134 22'33'56-HxCB	31.70	5.38E+08	1.26 Y	0.78	0.87	11.2%	
PCB-143 22'3456'-HxCB	31.78	5.70E+08	1.26 Y	0.90	0.93	3.3%	
PCB-139/140 22'344'6-/22'344'	32.05	1.26E+09	1.25 Y	0.95	1.02	7.3%	
PCB-131 22'33'46-HxCB	32.21	5.50E+08	1.26 Y	0.84	0.89	6.7%	
PCB-142 22'3456-HxCB	32.35	5.67E+08	1.27 Y	0.87	0.92	5.7%	
PCB-132 22'33'46'-HxCB	32.59	5.60E+08	1.27 Y	0.88	0.91	3.8%	
PCB-133 22'33'55'-HxCB	33.04	5.76E+08	1.27 Y	0.89	0.93	5.0%	
PCB-165 233'55'6-HxCB	33.38	6.89E+08	1.27 Y	1.06	1.12	5.1%	
PCB-146 22'34'55'-HxCB	33.59	6.06E+08	1.27 Y	0.94	0.98	4.2%	
PCB-161 233'45'6-HxCB	33.70	7.83E+08	1.27 Y	1.20	1.27	6.0%	
PCB-153/168 22'44'55'-/23'44'	34.13	1.47E+09	1.26 Y	1.15	1.19	4.1%	
PCB-141 22'3455'-HxCB	34.26	5.91E+08	1.27 Y	0.91	0.96	5.0%	
PCB-130 22'33'45'-HxCB	34.60	5.33E+08	1.26 Y	0.82	0.86	5.2%	
PCB-137 22'344'5-HxCB	34.80	6.27E+08	1.26 Y	1.00	1.02	1.3%	
PCB-164 233'4'5'6-HxCB	34.88	7.81E+08	1.27 Y	1.14	1.27	11.4%	
PCB-163/138/129 233'4'56-/22'	35.17	1.92E+09	1.27 Y	0.98	1.04	5.5%	
PCB-160 233'456-HxCB	35.30	7.33E+08	1.27 Y	1.14	1.19	4.1%	
PCB-158 233'44'6-HxCB	35.49	8.10E+08	1.28 Y	1.24	1.31	5.7%	
PCB-128/166 22'33'44'-/2344'5	36.21	1.20E+09	1.25 Y	0.86	0.94	9.0%	
PCB-159 233'455'-HxCB	37.06	7.01E+08	1.25 Y	1.03	1.10	6.9%	
PCB-162 233'4'55'-HxCB	37.30	7.25E+08	1.24 Y	1.04	1.14	9.3%	
PCB-188 22'34'566'-HpCB	32.97	8.25E+08	1.06 Y	1.07	1.13	5.6%	
PCB-179 22'33'566'-HpCB	33.24	7.72E+08	1.07 Y	0.98	1.05	7.8%	
PCB-184 22'344'66'-HpCB	33.71	7.44E+08	1.06 Y	0.97	1.02	4.5%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:49		
Lab ID:	CS5_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	8.38E+08	1.06 Y	1.06	1.14	7.4%	
PCB-186 22'34566'-HpCB	34.37	7.98E+08	1.05 Y	1.02	1.09	7.2%	
PCB-178 22'33'55'6'-HpCB	35.54	6.00E+08	1.06 Y	0.77	0.82	6.2%	
PCB-175 22'33'45'6'-HpCB	36.09	5.57E+08	1.07 Y	0.89	0.96	7.2%	
PCB-187 22'34'55'6'-HpCB	36.31	5.69E+08	1.03 Y	0.94	0.98	4.5%	
PCB-182 22'344'56'-HpCB	36.49	5.91E+08	1.05 Y	0.95	1.02	6.9%	
PCB-183 22'344'5'6'-HpCB	36.83	5.85E+08	1.06 Y	0.96	1.01	5.1%	
PCB-185 22'3455'6'-HpCB	36.90	5.84E+08	1.07 Y	0.93	1.00	7.9%	
PCB-174 22'33'456'-HpCB	37.02	5.11E+08	1.07 Y	0.80	0.88	9.6%	
PCB-177 22'33'4'56'-HpCB	37.39	5.09E+08	1.04 Y	0.82	0.87	7.1%	
PCB-181 22'344'56'-HpCB	37.74	5.90E+08	1.03 Y	0.91	1.01	10.9%	
PCB-171/173 22'33'44'6'-/22'3	37.91	1.03E+09	1.05 Y	0.81	0.89	9.0%	
PCB-172 22'33'455'-HpCB	39.30	5.16E+08	1.02 Y	0.83	0.89	7.2%	
PCB-192 233'455'6'-HpCB	39.54	6.68E+08	1.05 Y	1.09	1.15	5.0%	
PCB-180/193 22'344'55'-/233'	39.82	1.24E+09	1.05 Y	1.01	1.06	4.8%	
PCB-191 233'44'5'6'-HpCB	40.15	6.92E+08	1.07 Y	1.13	1.19	5.0%	
PCB-170 22'33'44'5'-HpCB	40.90	5.26E+08	1.04 Y	1.00	1.08	8.2%	
PCB-190 233'44'56'-HpCB	41.35	7.06E+08	1.04 Y	1.35	1.45	7.3%	
PCB-202 22'33'55'66'-OcCB	37.51	6.03E+08	0.89 Y	0.83	0.85	3.3%	
PCB-201 22'33'45'66'-OcCB	38.29	6.79E+08	0.89 Y	0.93	0.96	3.9%	
PCB-204 22'344'566'-OcCB	38.87	6.47E+08	0.88 Y	0.89	0.92	2.8%	
PCB-197 22'33'44'66'-OcCB	39.06	7.08E+08	0.88 Y	0.91	1.00	9.8%	
PCB-200 22'33'4566'-OcCB	39.13	6.40E+08	0.89 Y	0.93	0.91	-2.3%	
PCB-198/199 22'33'455'6'-/22'	41.49	9.95E+08	0.88 Y	0.68	0.70	3.1%	
PCB-196 22'33'44'56'-OcCB	42.06	5.21E+08	0.86 Y	0.72	0.74	2.9%	
PCB-203 22'344'55'6'-OcCB	42.23	5.47E+08	0.88 Y	0.74	0.77	5.2%	
PCB-195 22'33'44'56'-OcCB	43.34	4.22E+08	0.89 Y	0.81	0.85	4.4%	
PCB-194 22'33'44'55'-OcCB	45.31	4.61E+08	0.89 Y	0.86	0.92	7.7%	
PCB-205 233'44'55'6'-OcCB	45.71	5.72E+08	0.90 Y	1.09	1.15	5.0%	
PCB-208 22'33'455'66'-NoCB	43.15	5.44E+08	0.78 Y	0.98	1.03	5.2%	
PCB-207 22'33'44'566'-NoCB	43.93	5.65E+08	0.77 Y	1.02	1.07	5.2%	
PCB-206 22'33'44'55'6'-NoCB	47.18	4.12E+08	0.80 Y	0.93	0.97	4.1%	

AP Lab ID: CS5_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

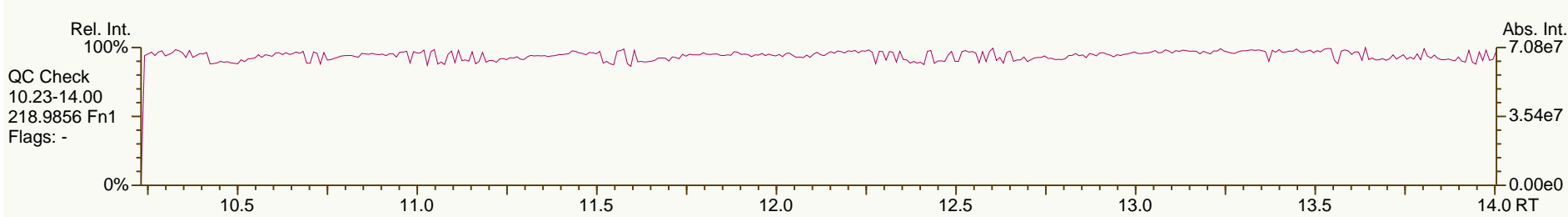
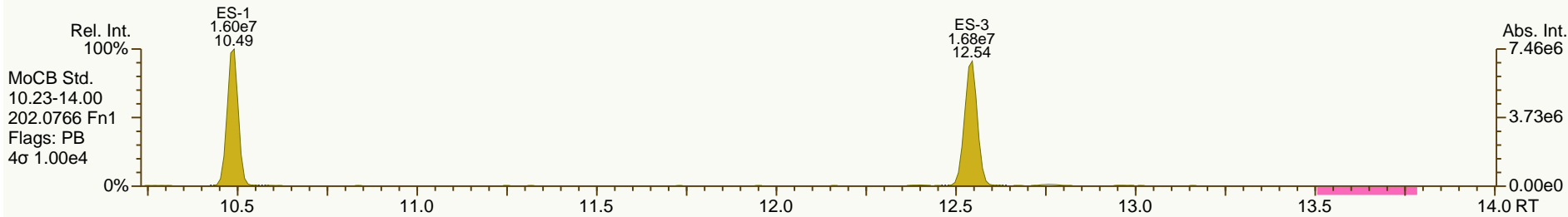
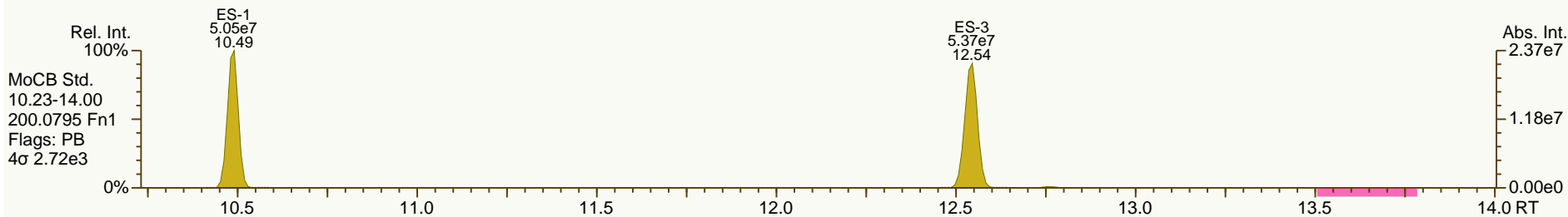
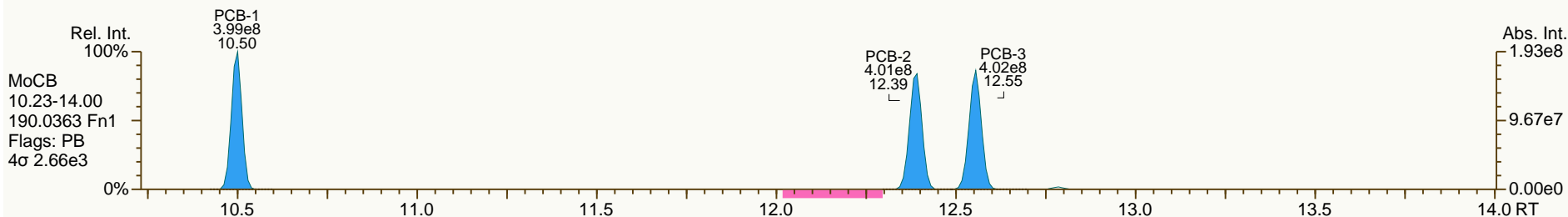
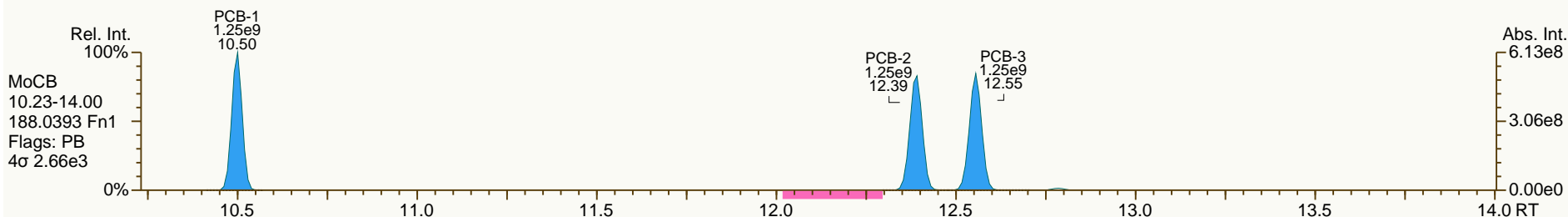
Acq: 26-Jan-2012 20:44:52
User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

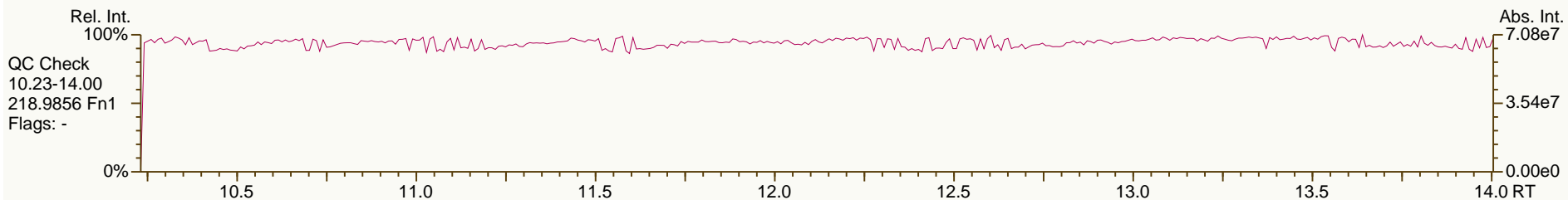
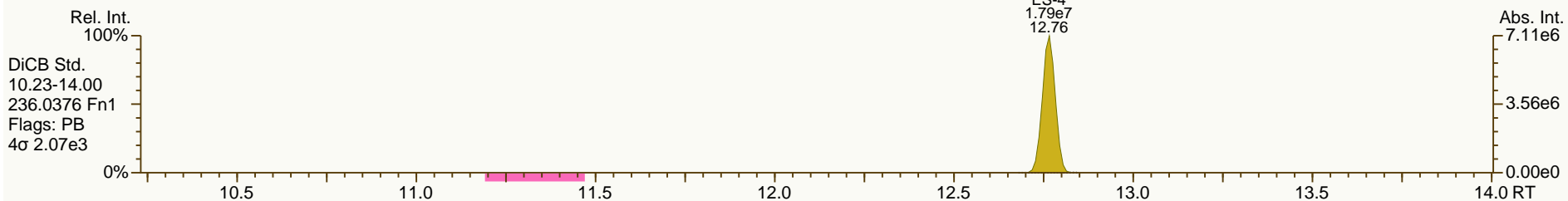
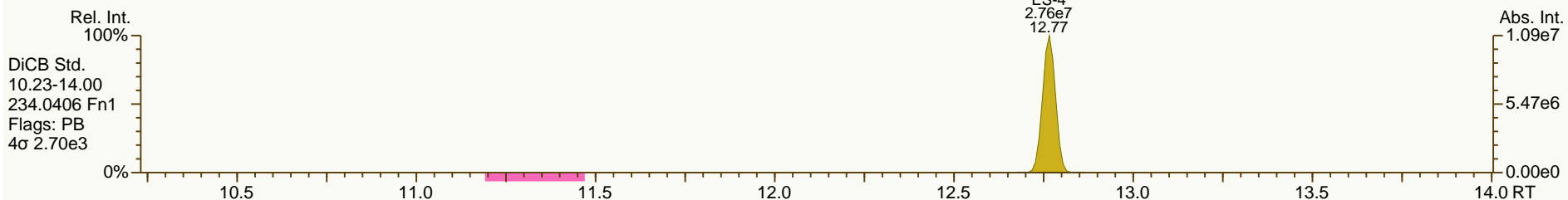
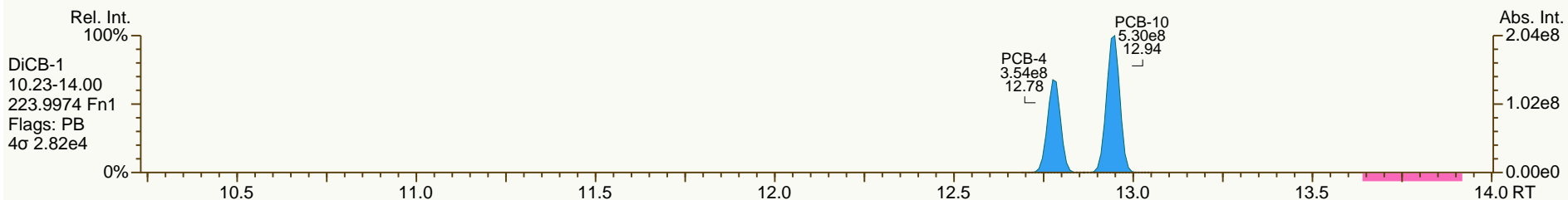
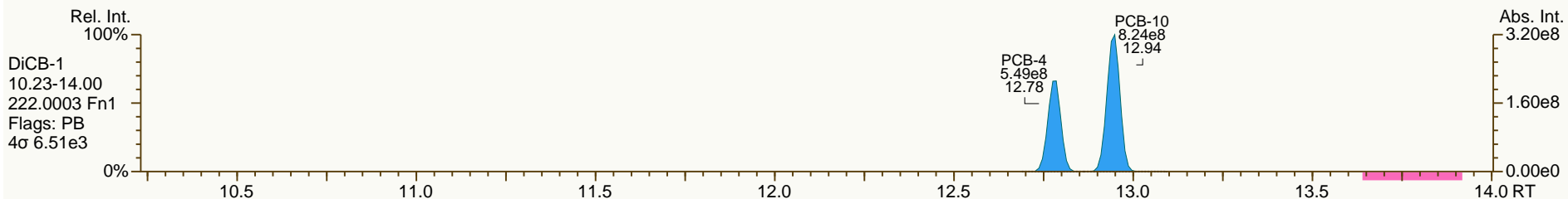
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

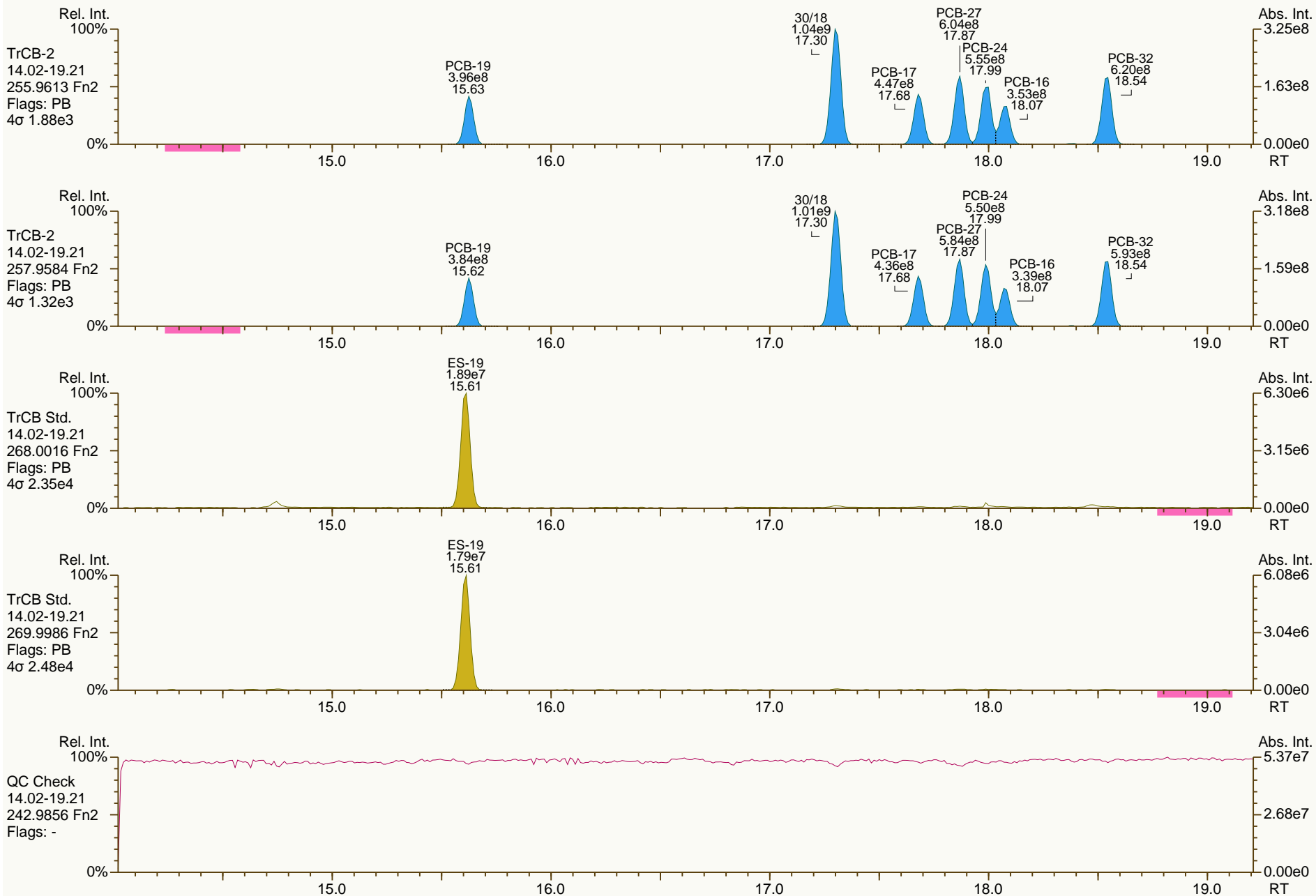
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

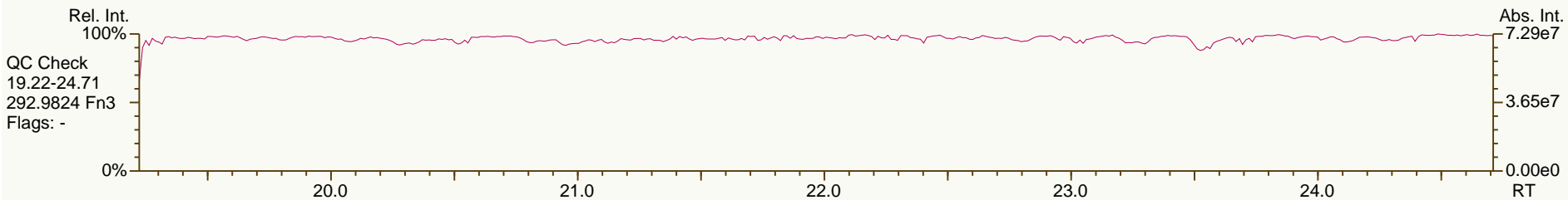
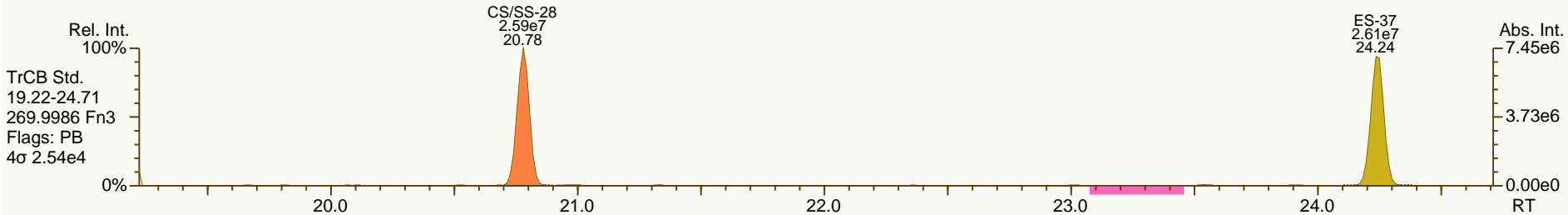
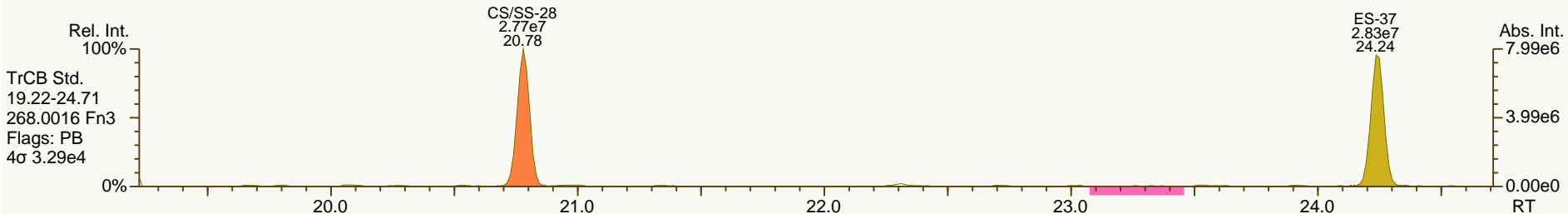
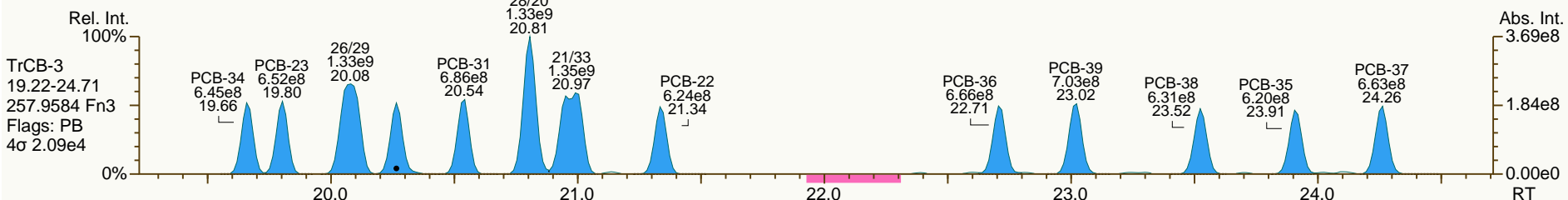
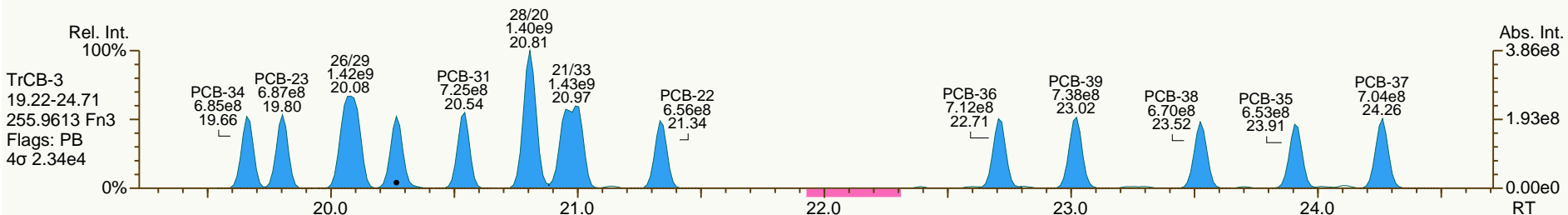
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

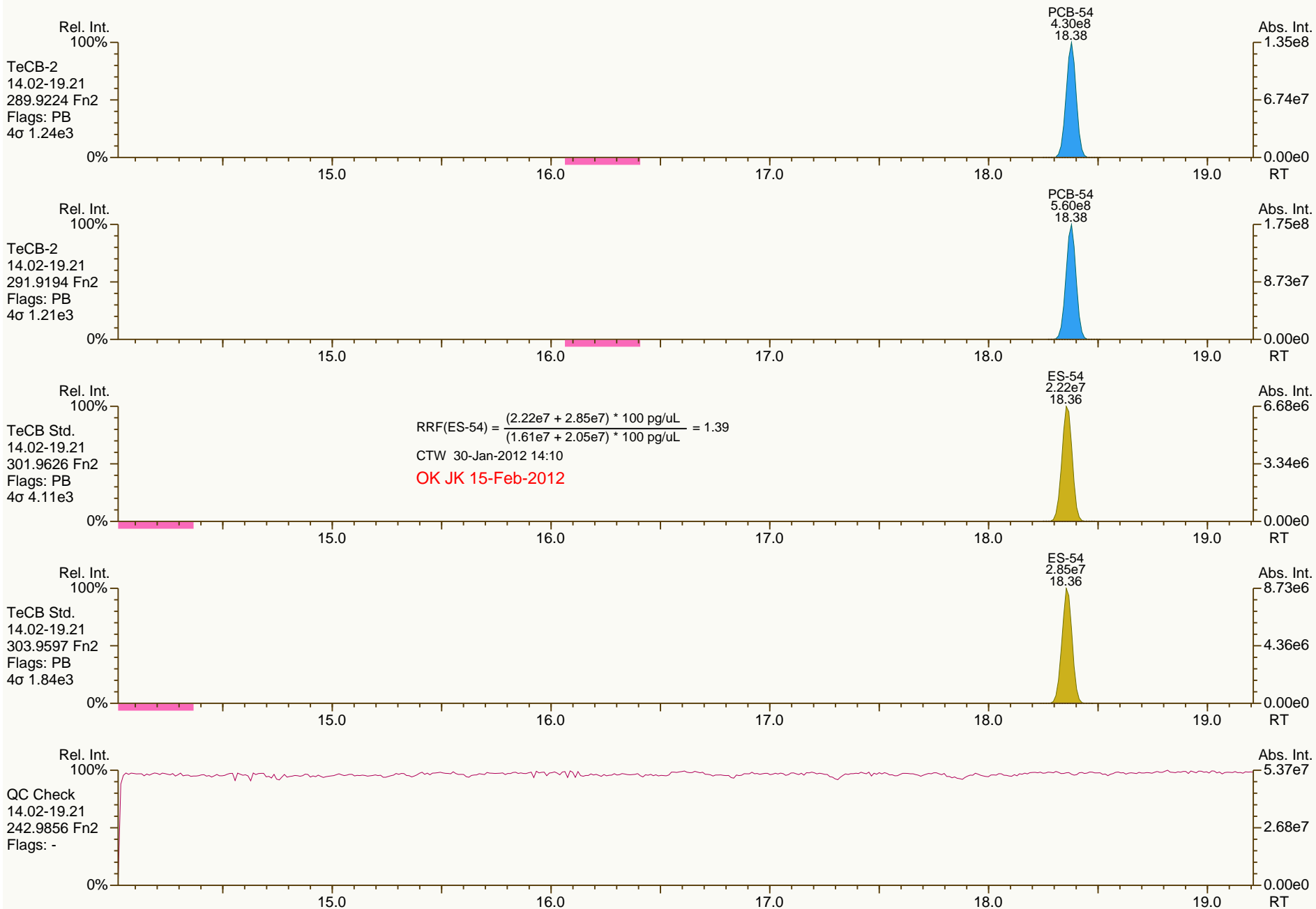
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

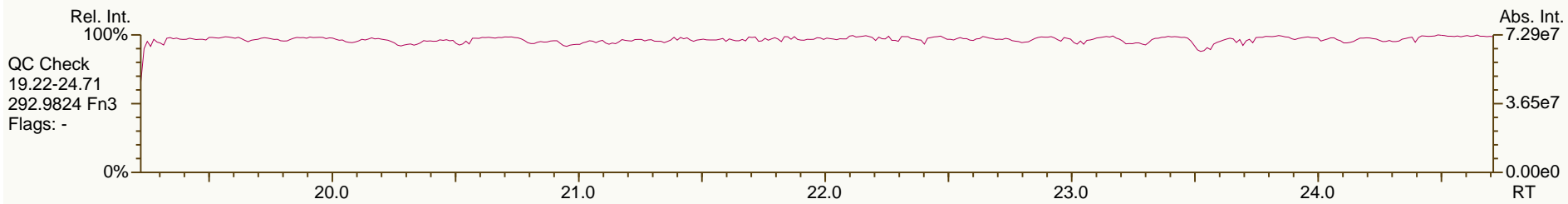
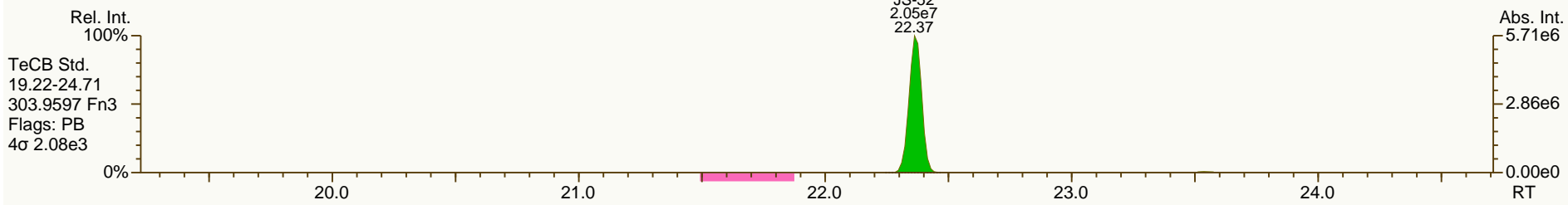
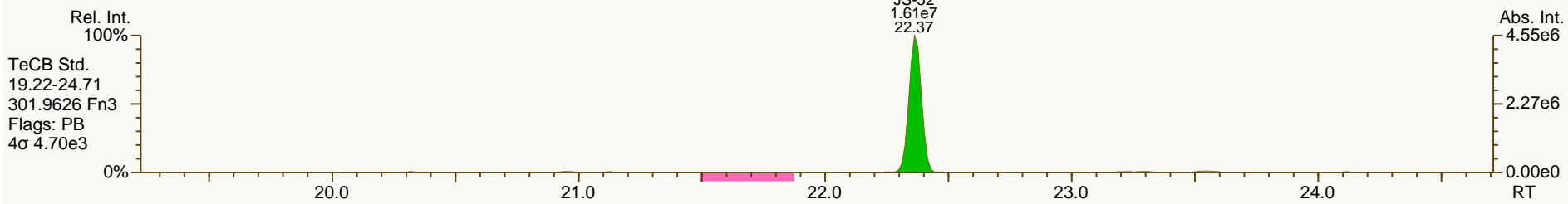
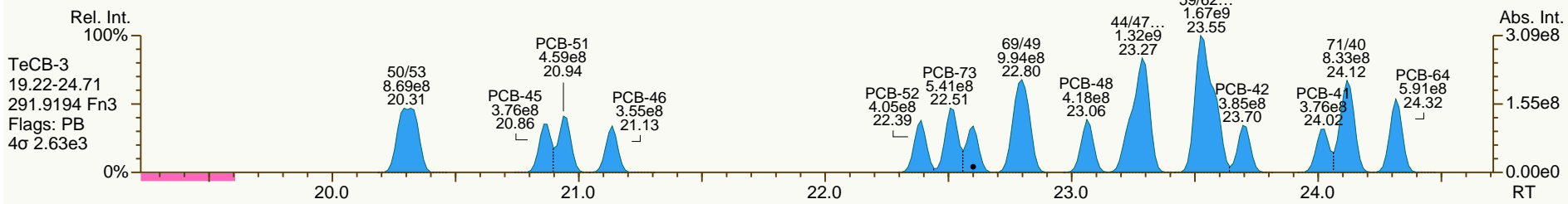
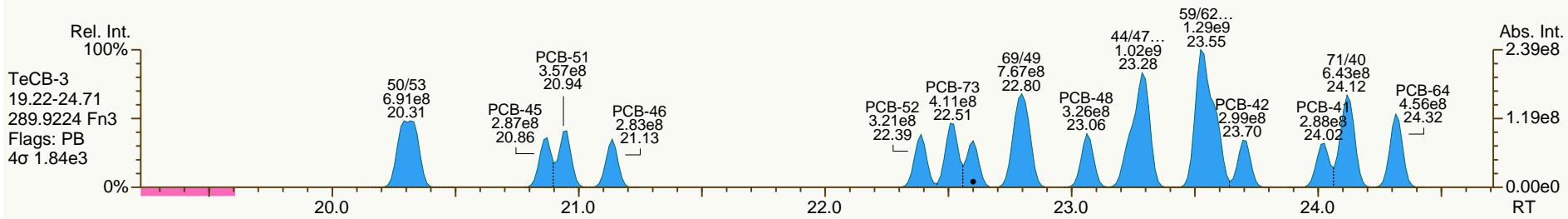
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

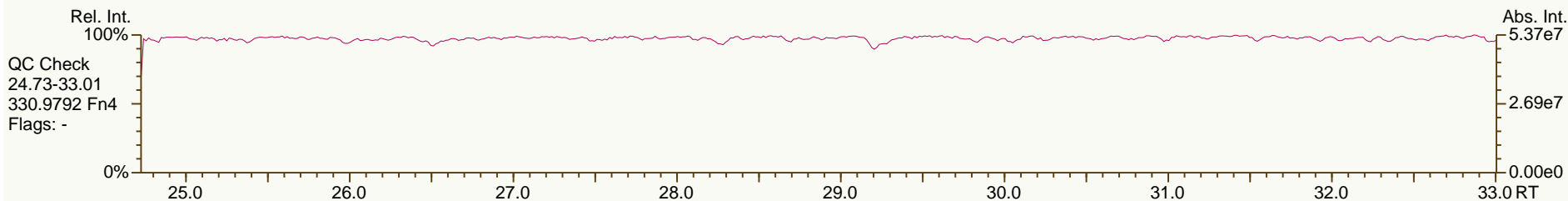
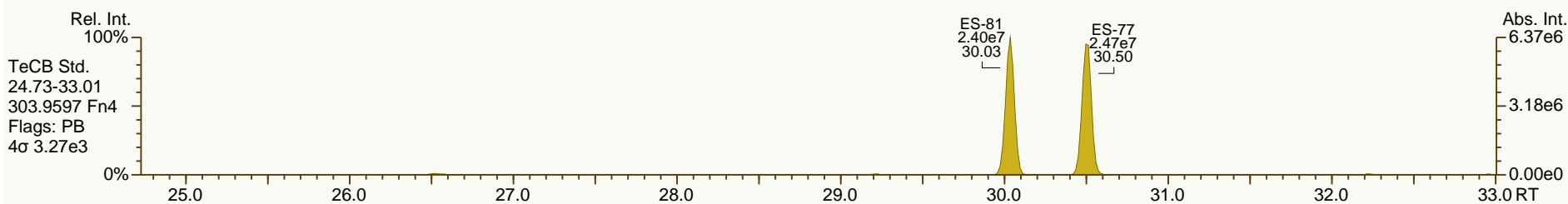
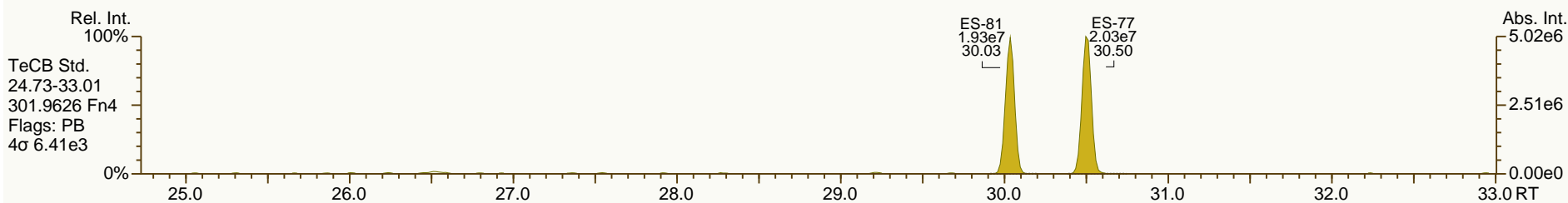
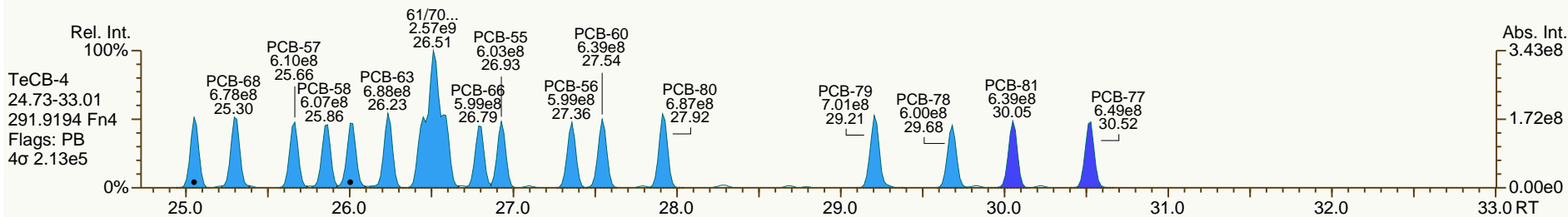
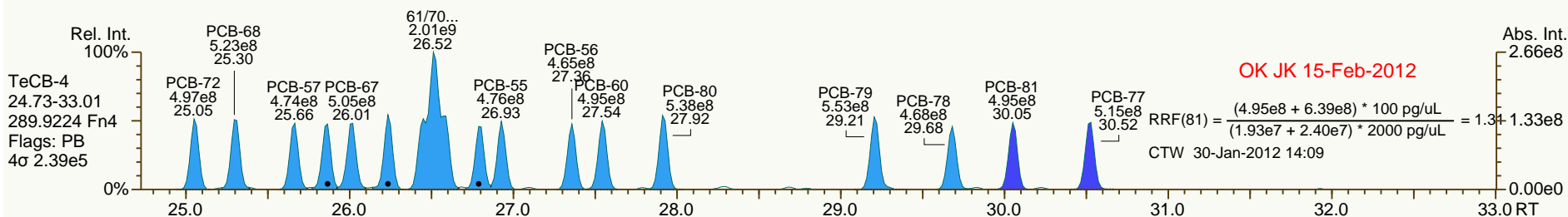
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

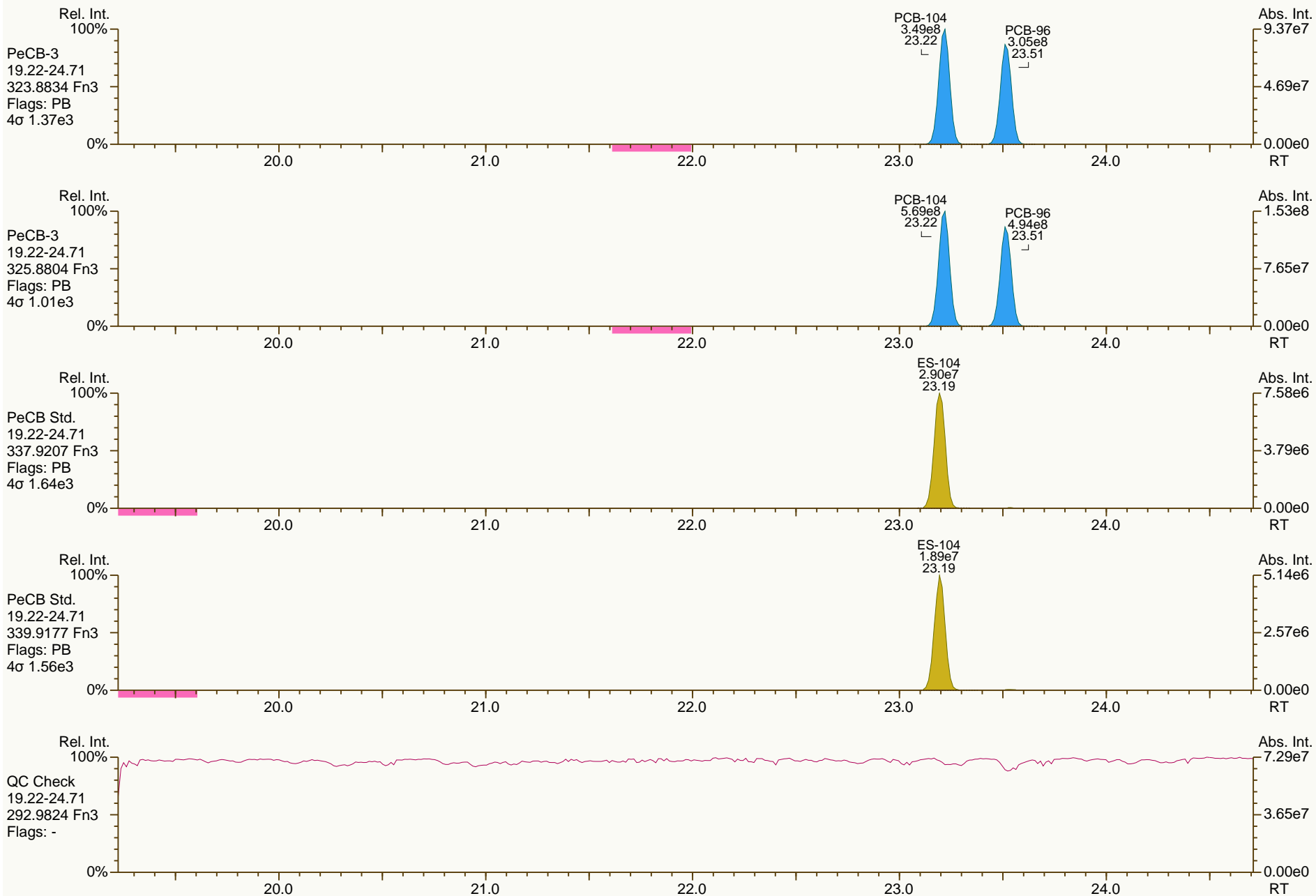
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

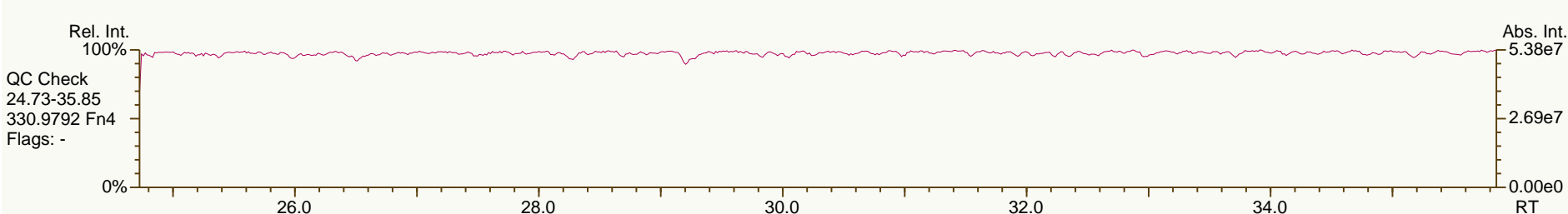
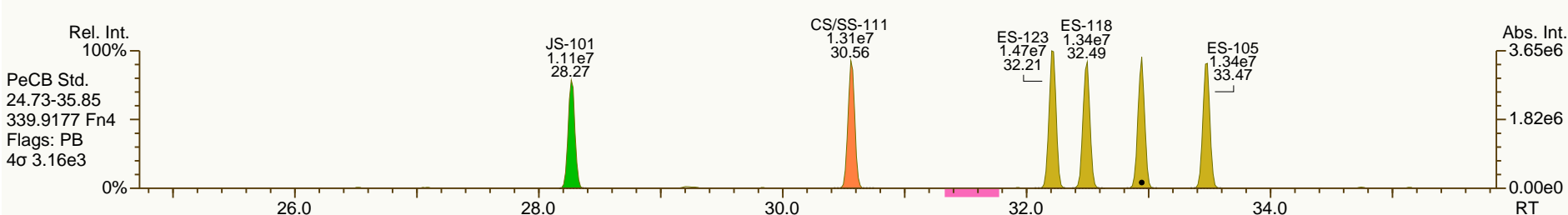
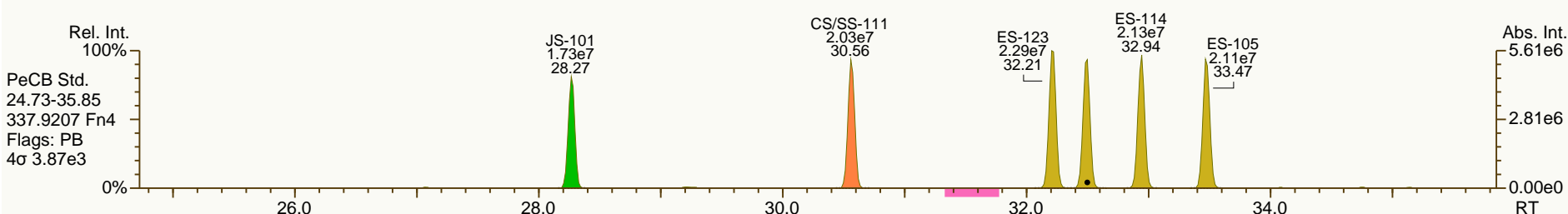
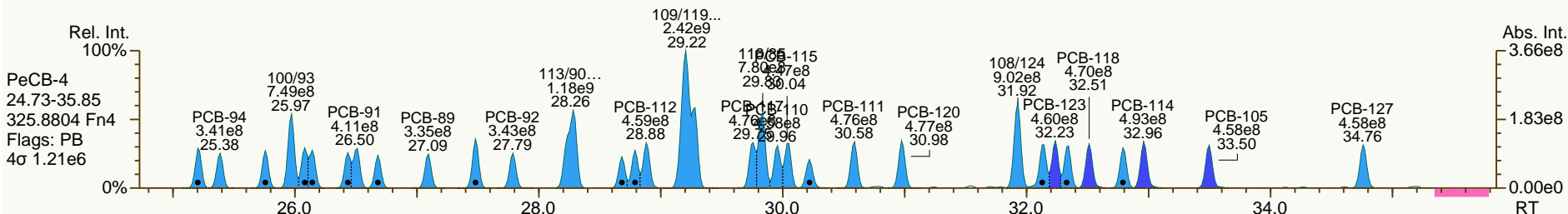
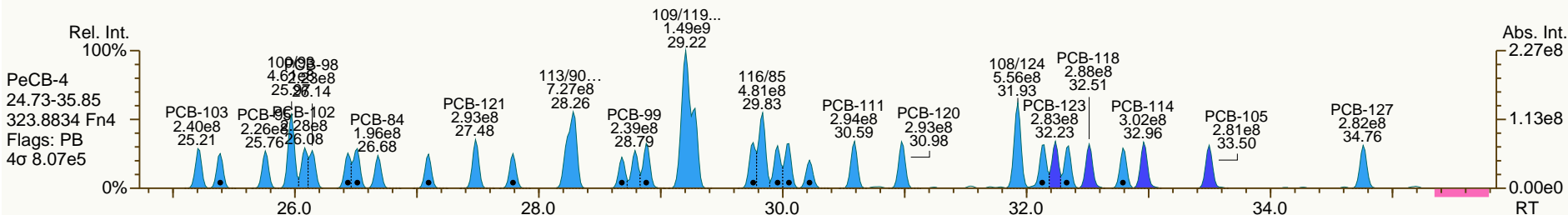
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

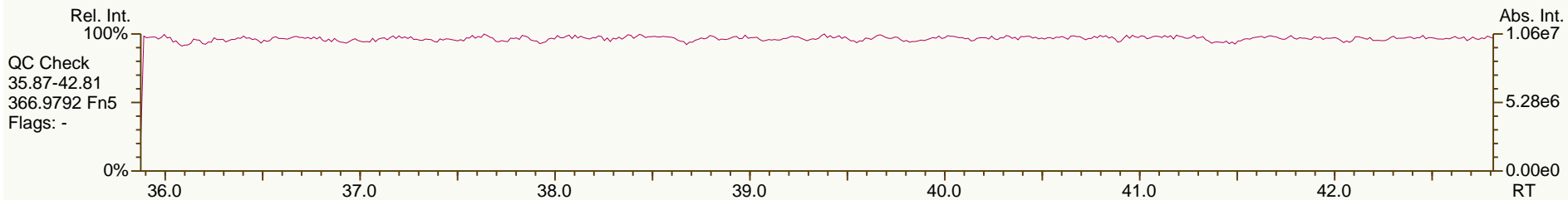
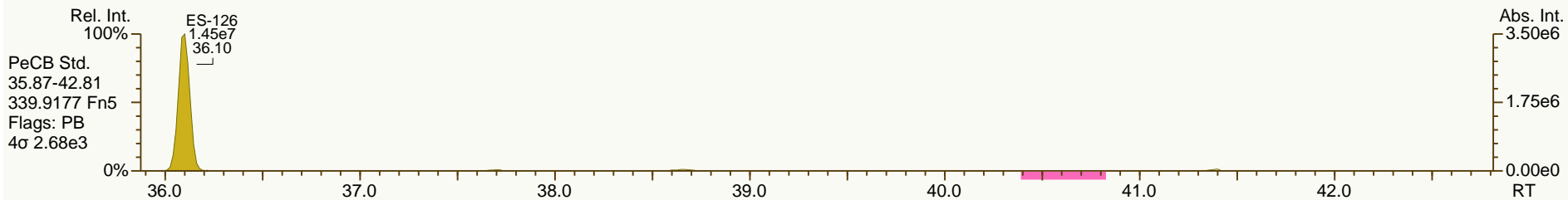
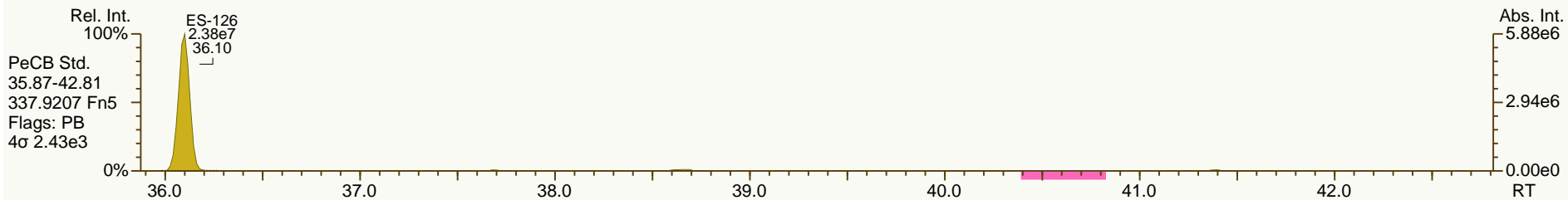
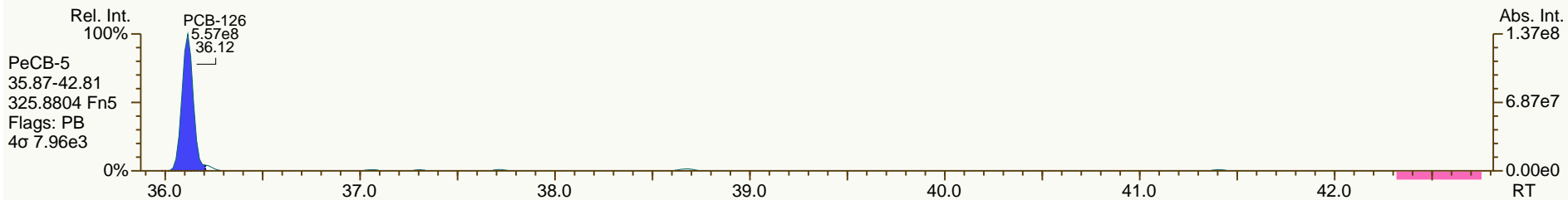
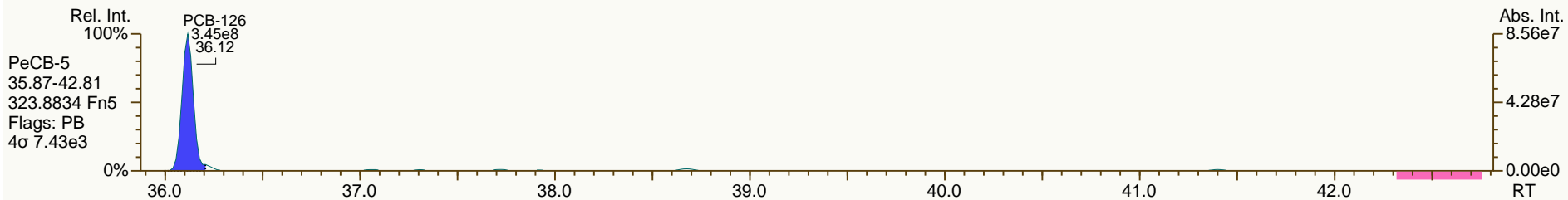
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

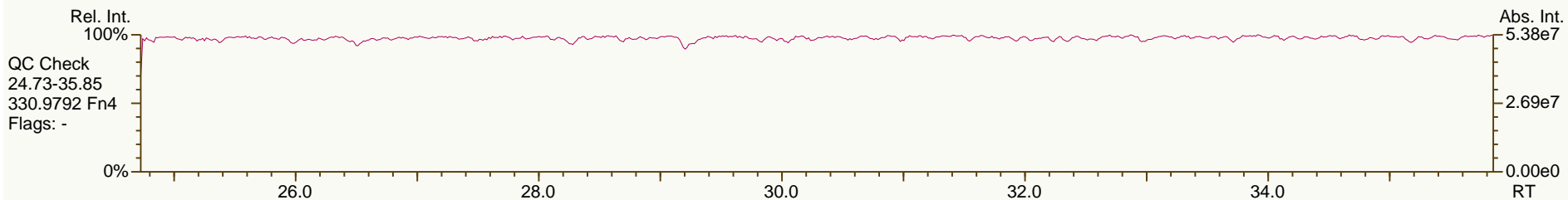
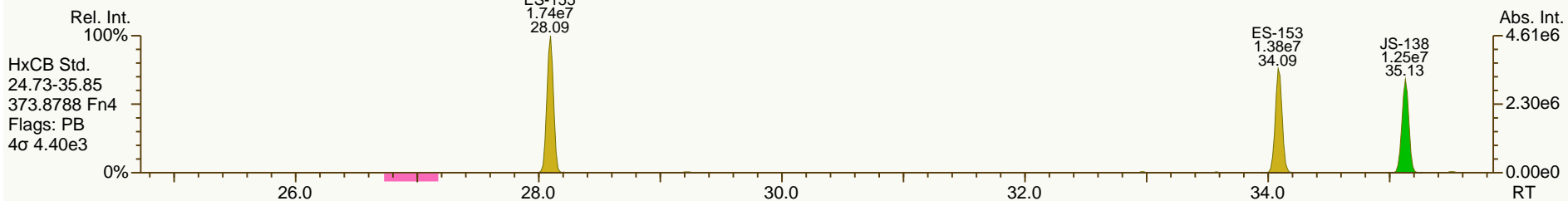
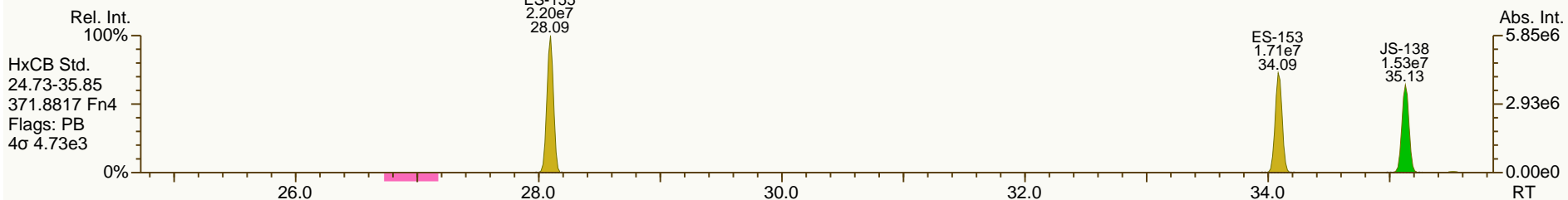
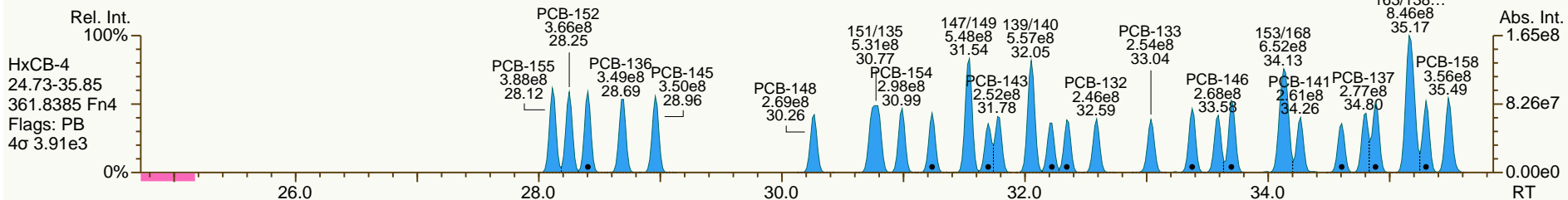
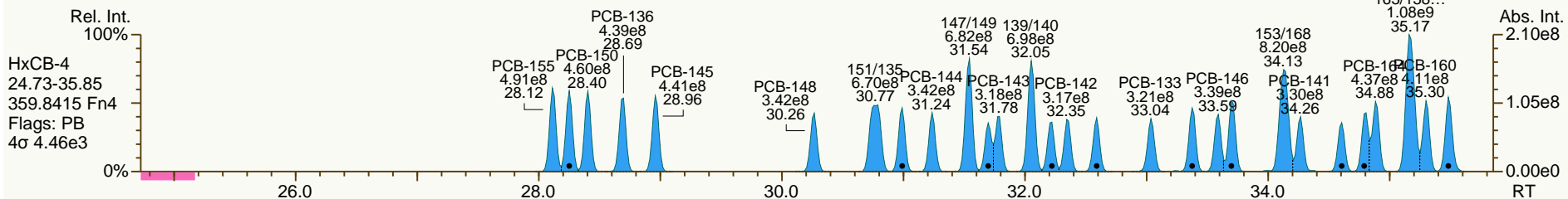
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

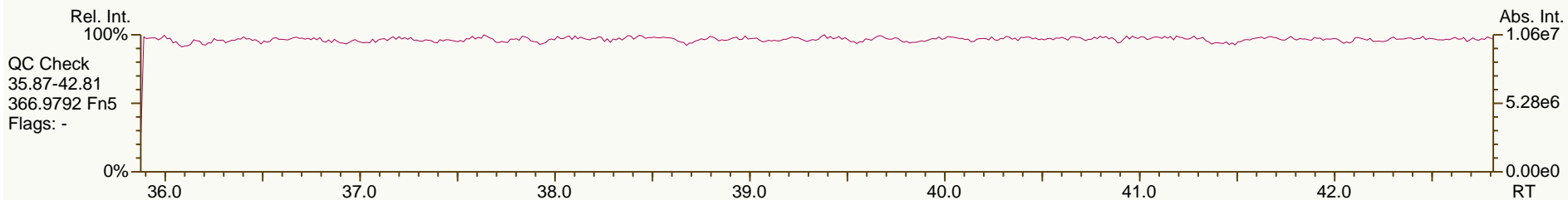
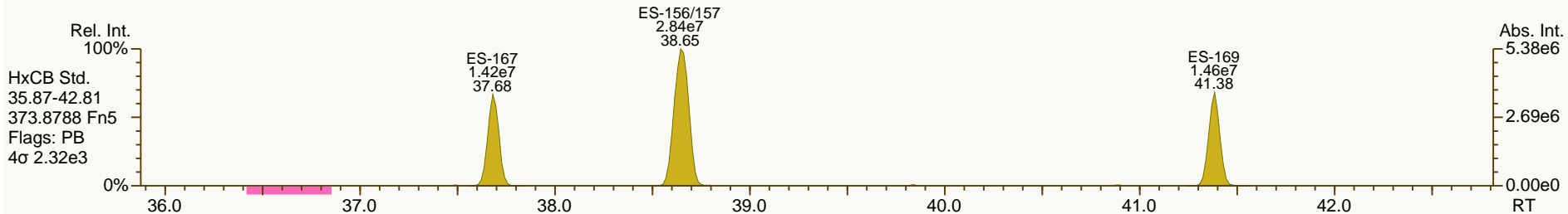
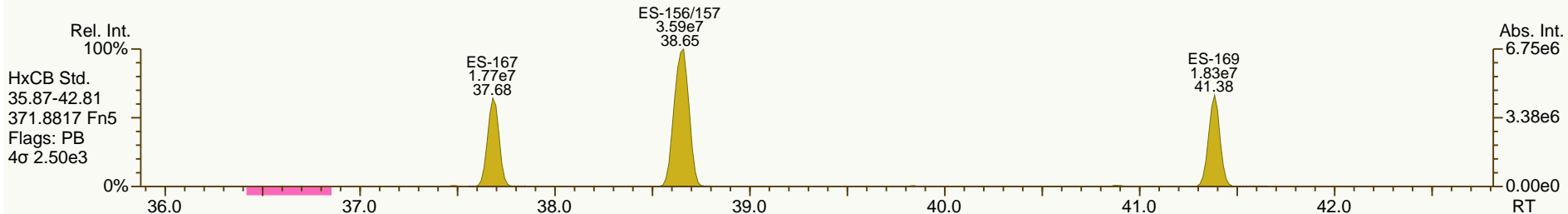
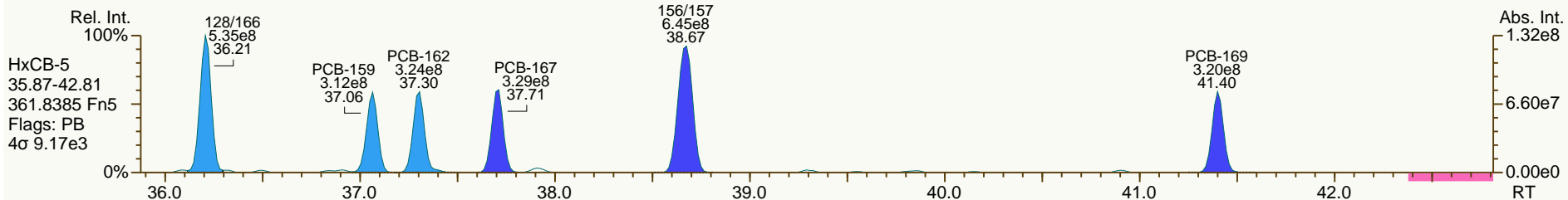
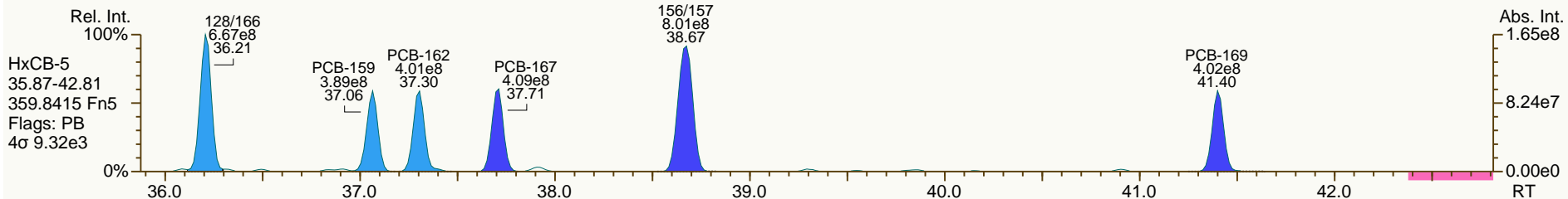
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

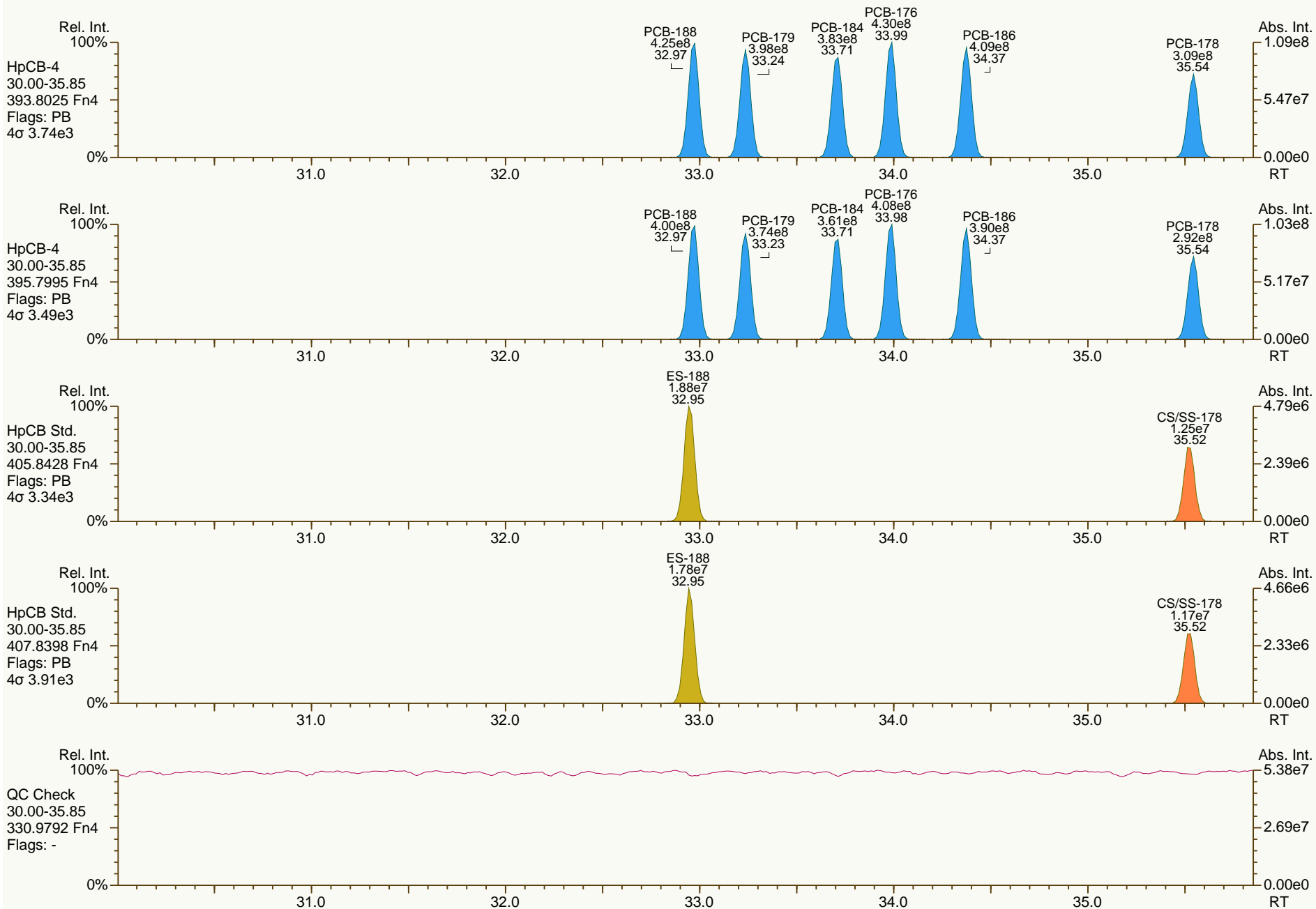
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

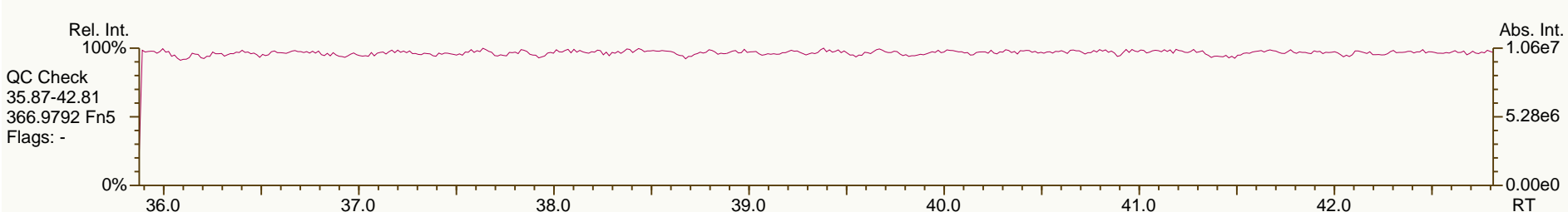
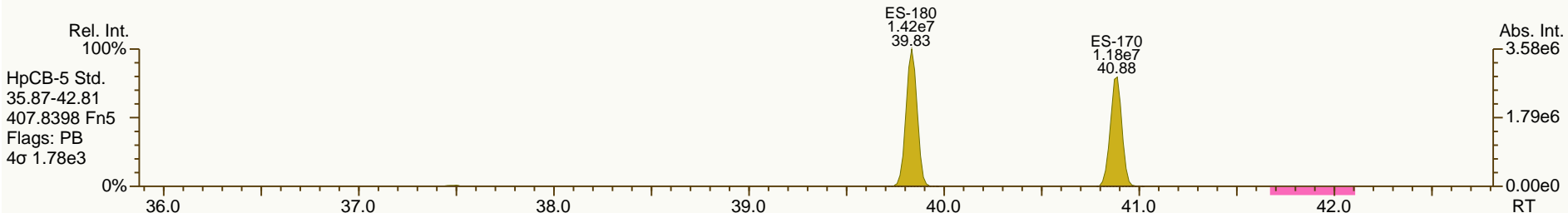
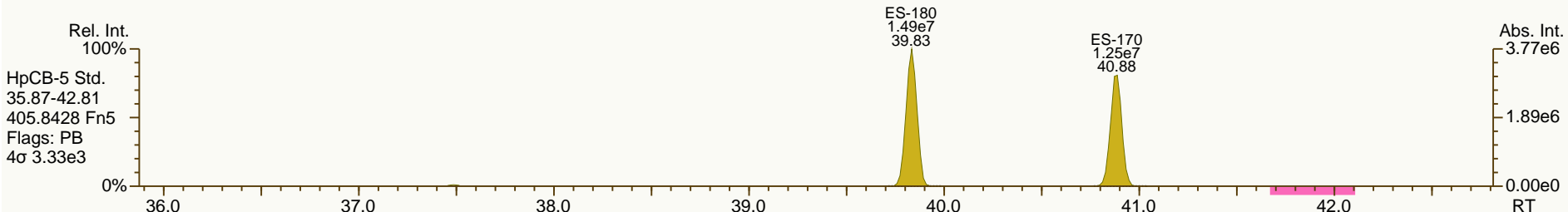
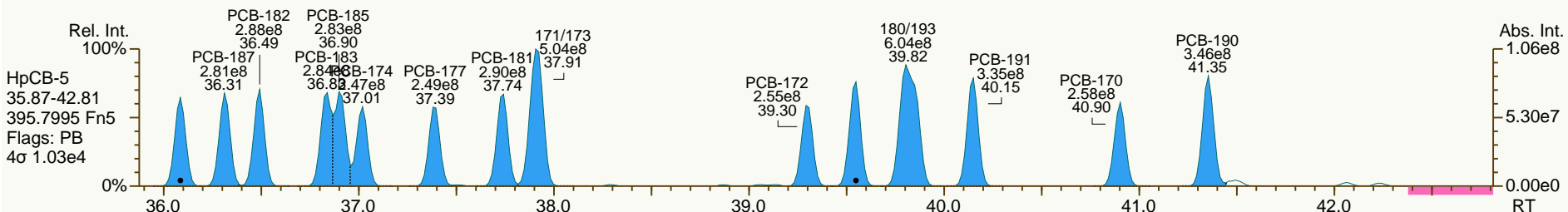
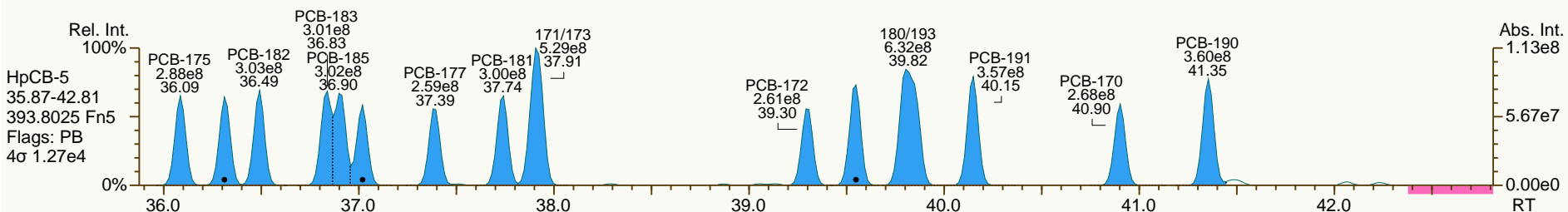
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

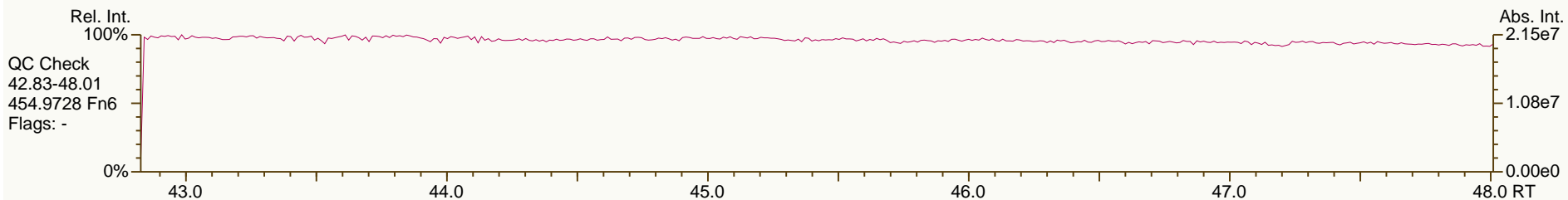
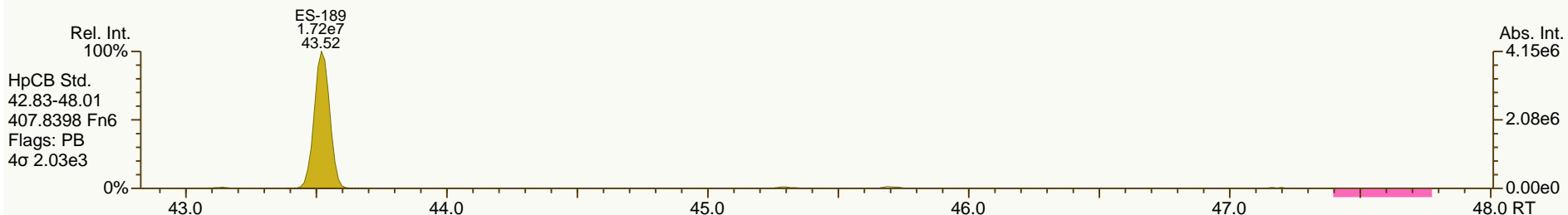
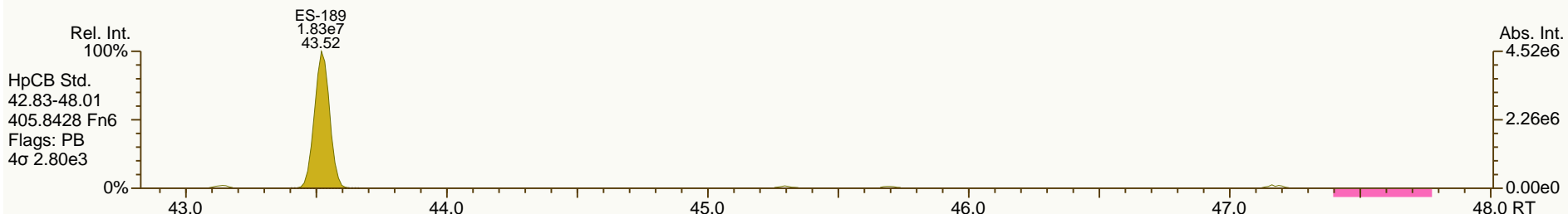
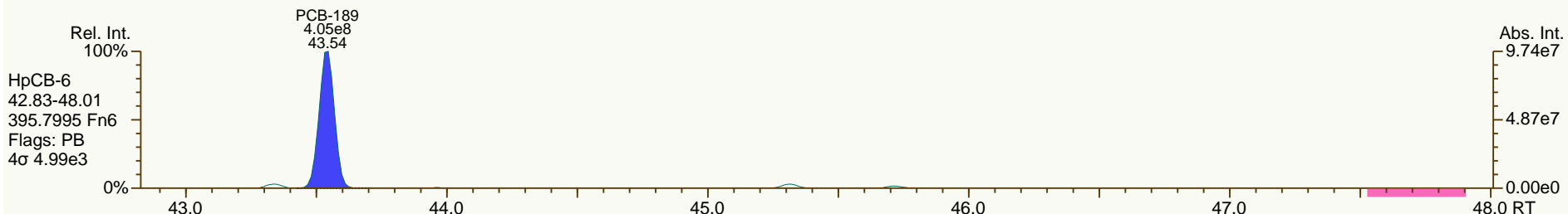
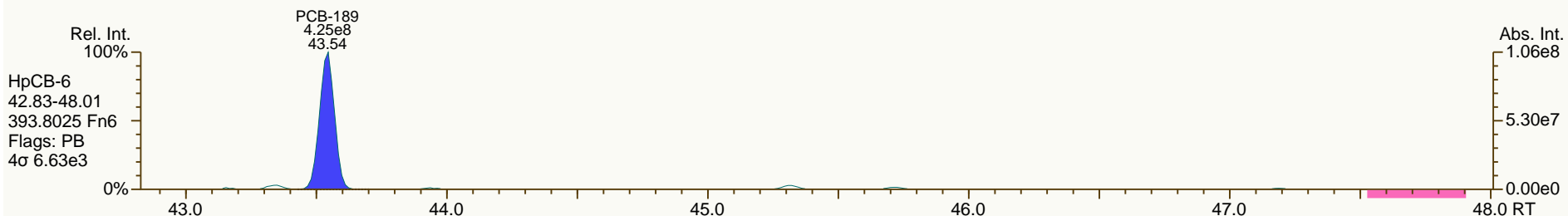
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

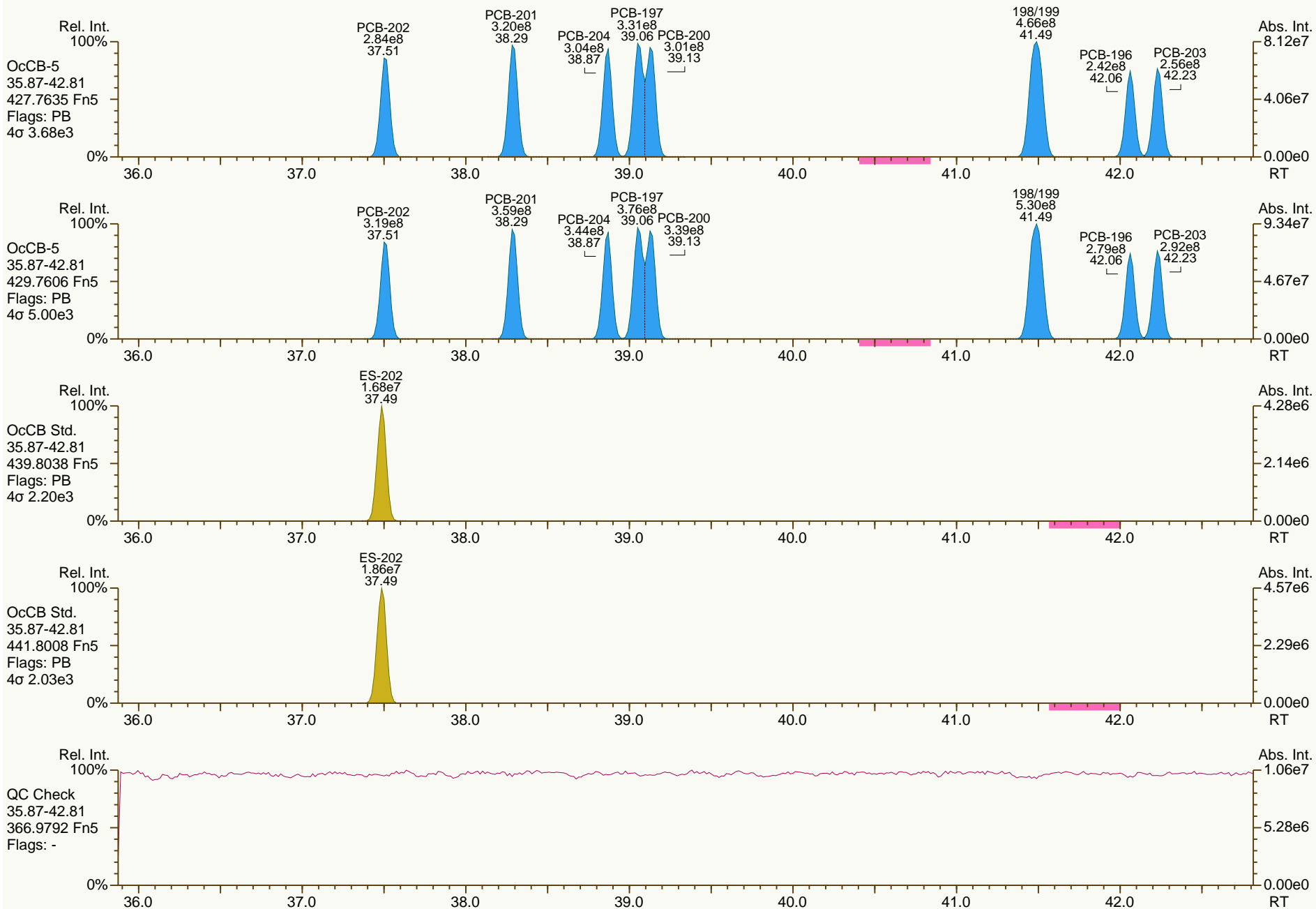
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

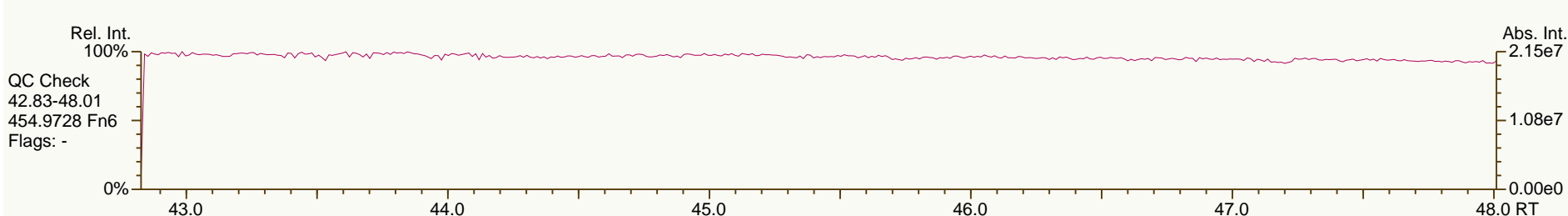
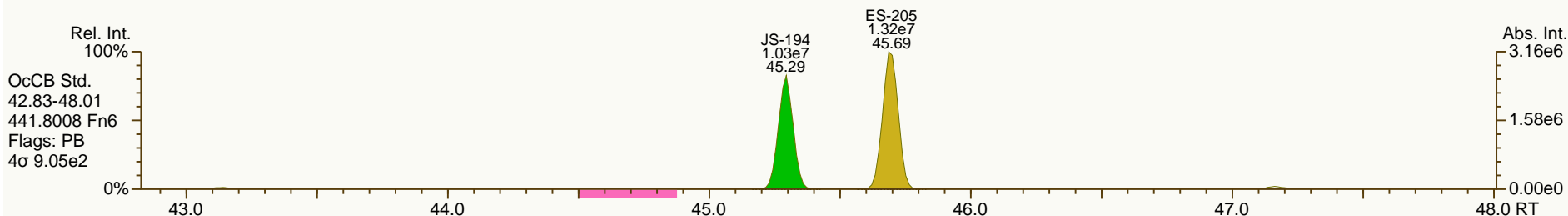
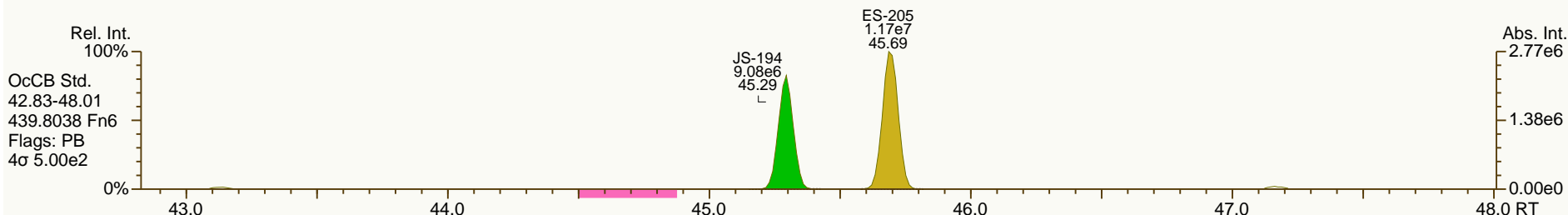
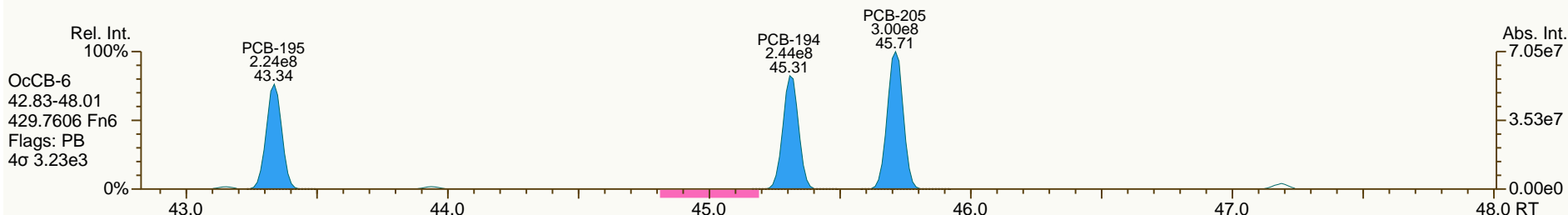
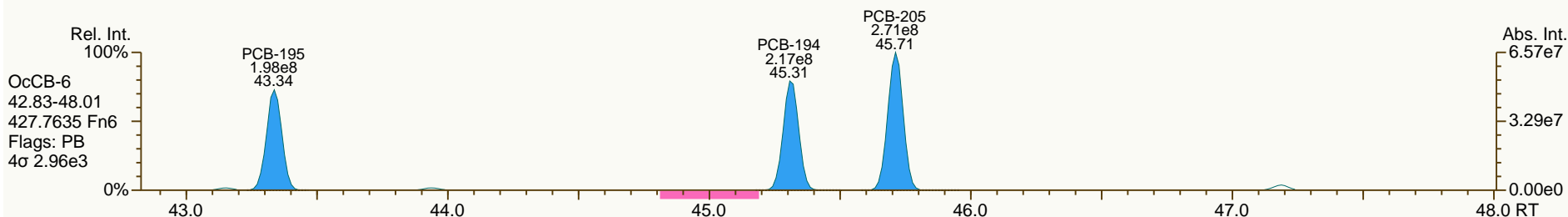
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

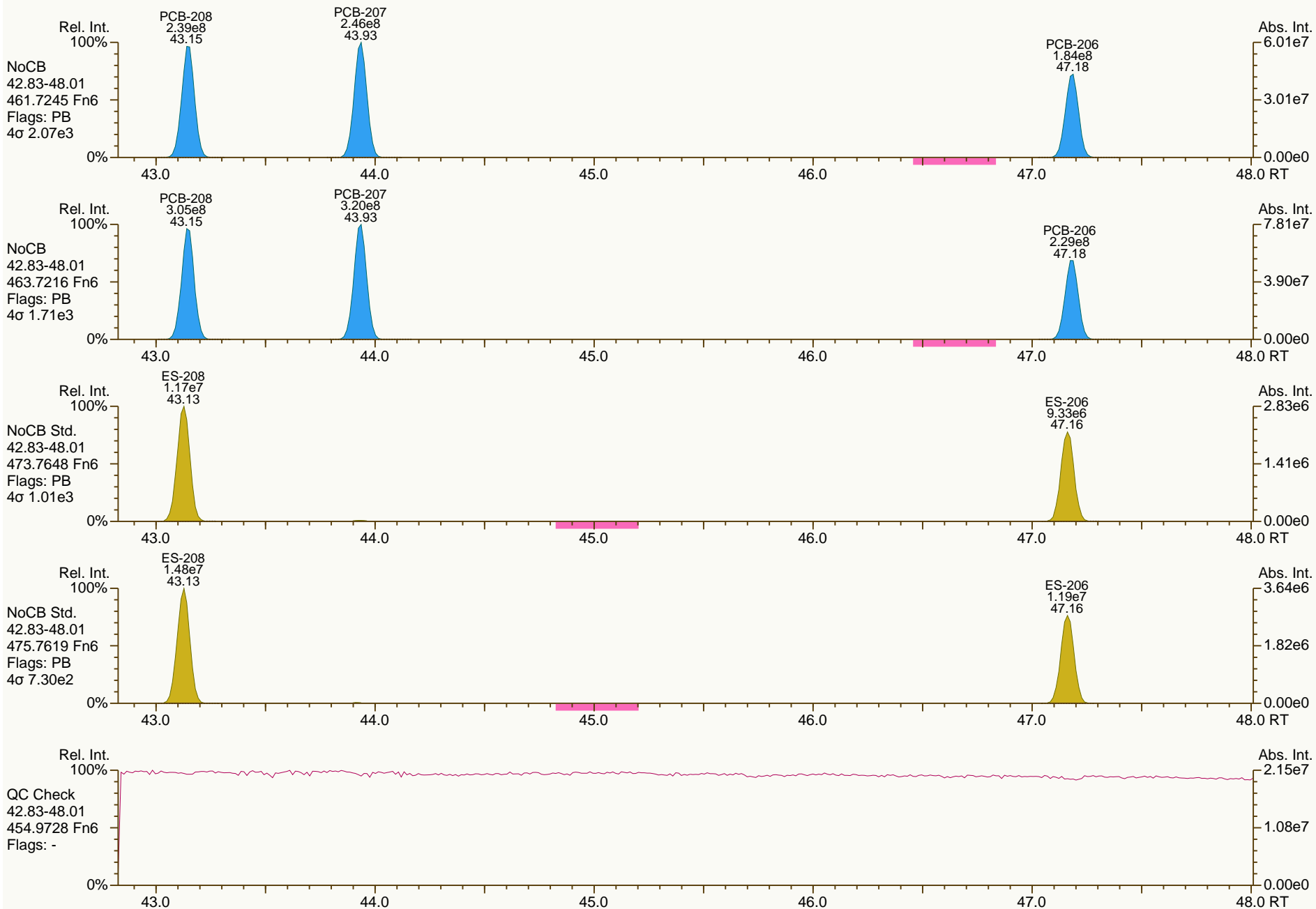
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

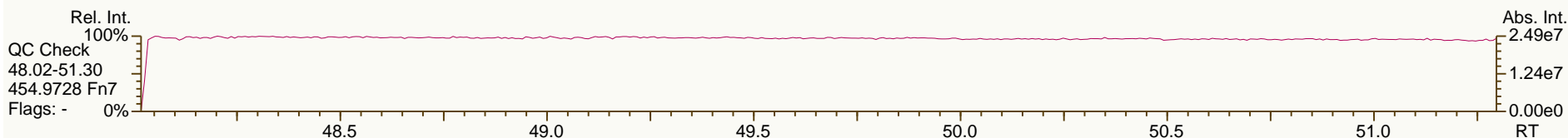
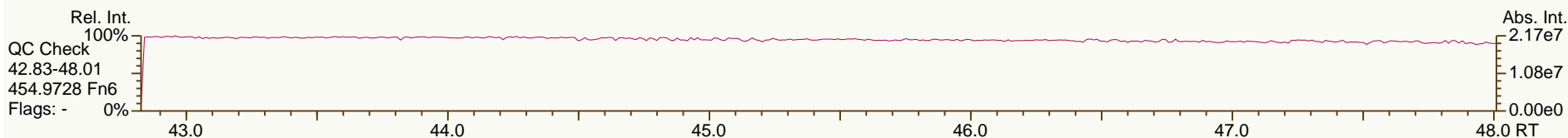
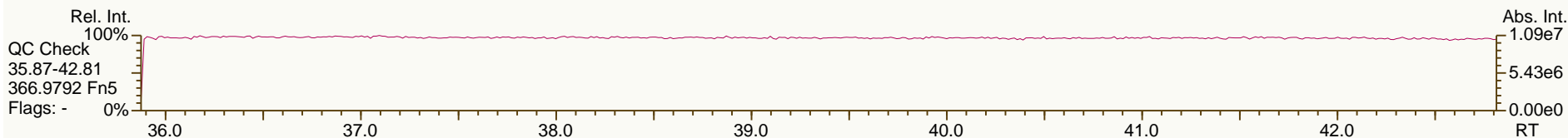
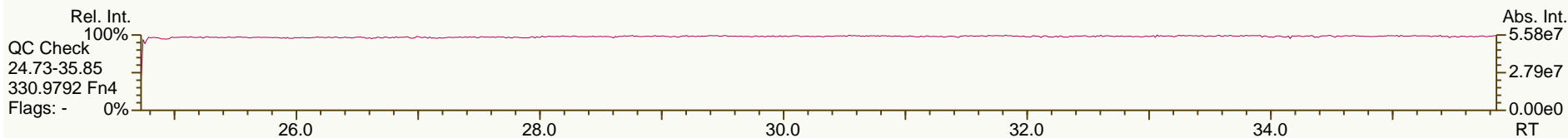
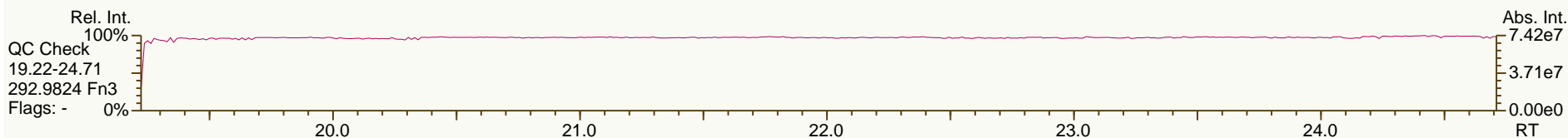
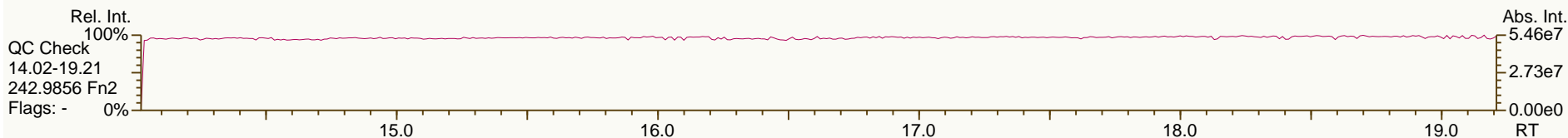
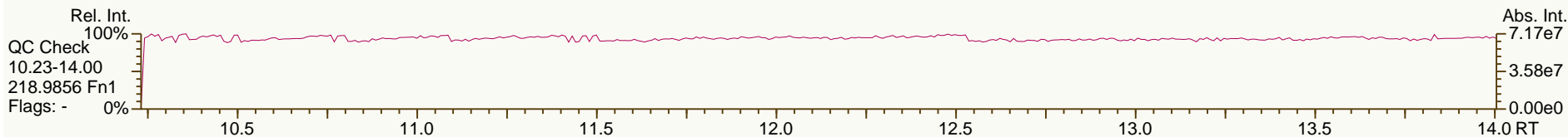
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

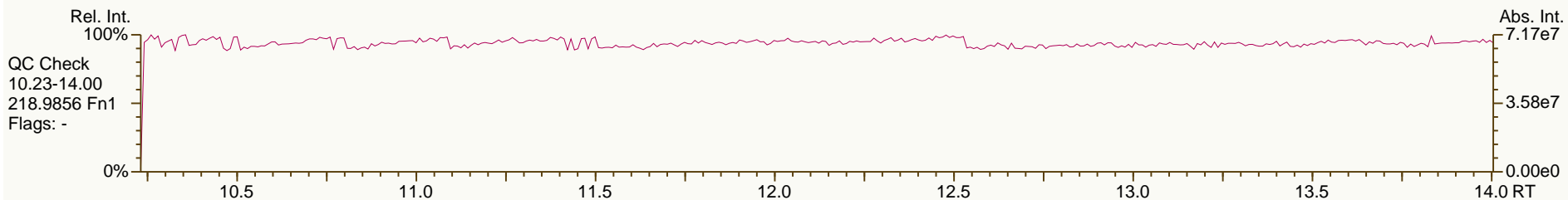
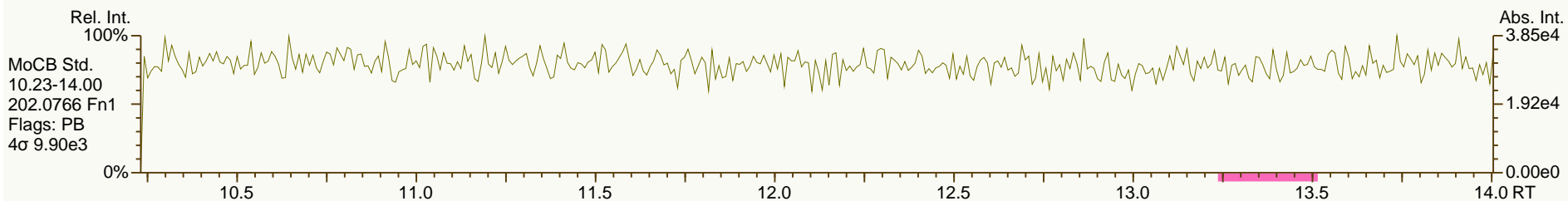
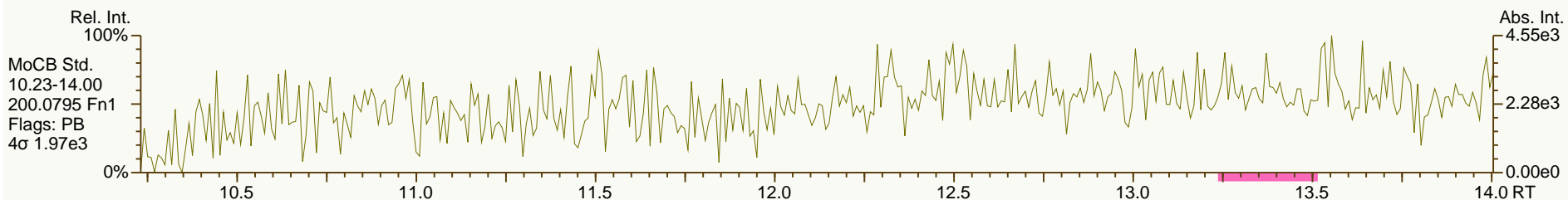
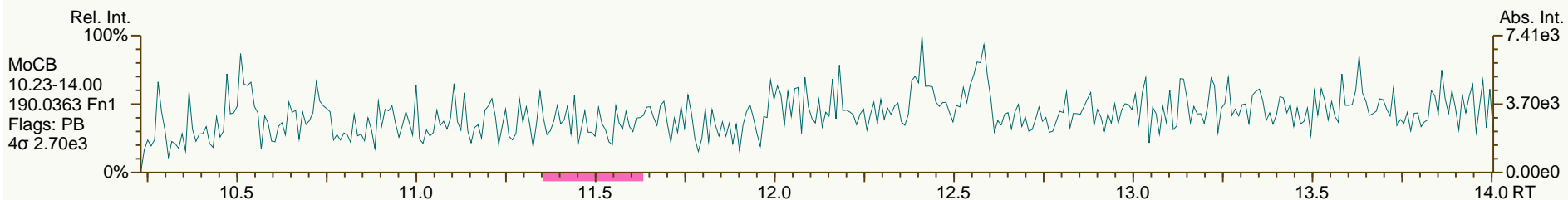
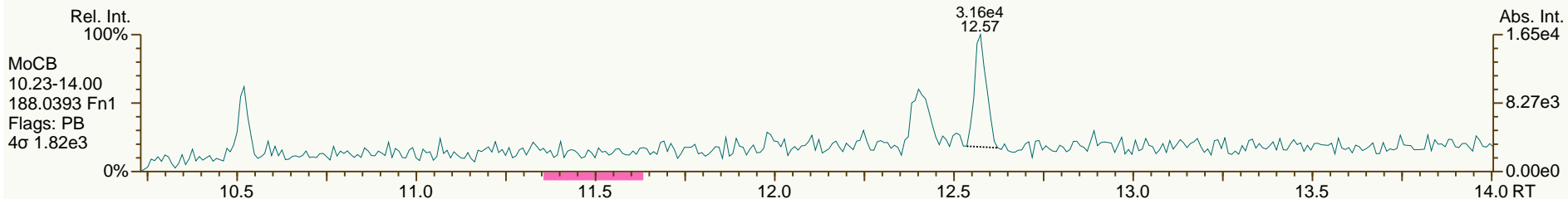
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

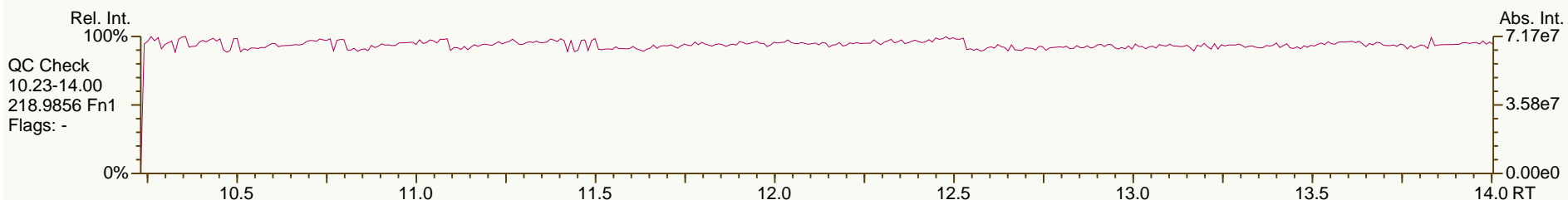
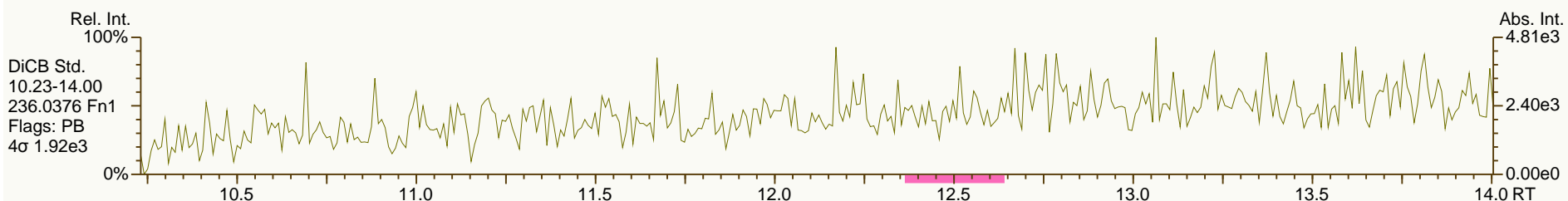
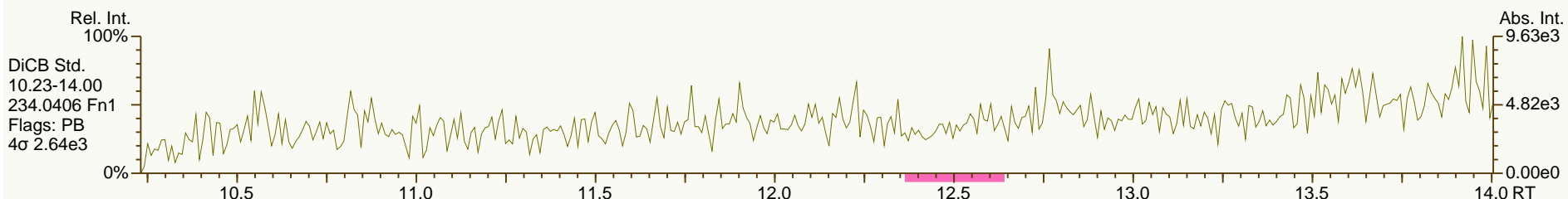
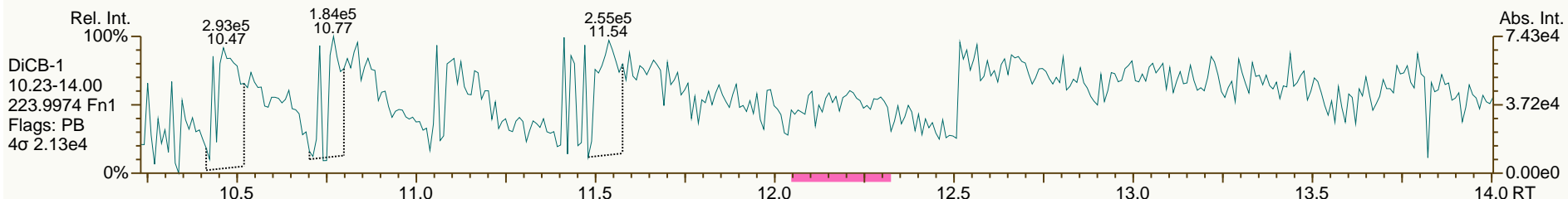
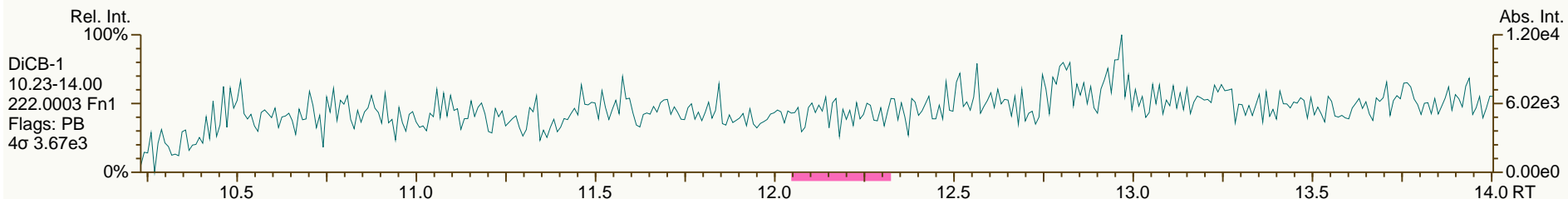
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

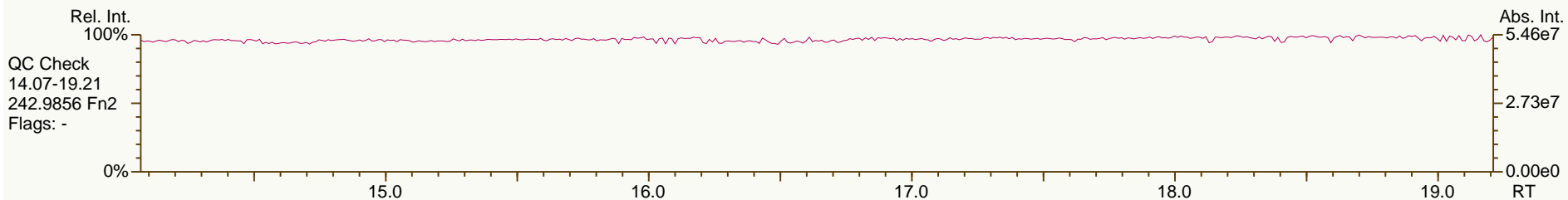
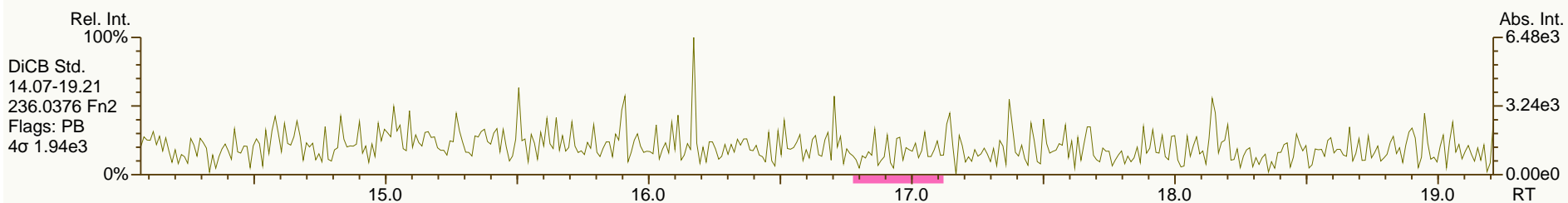
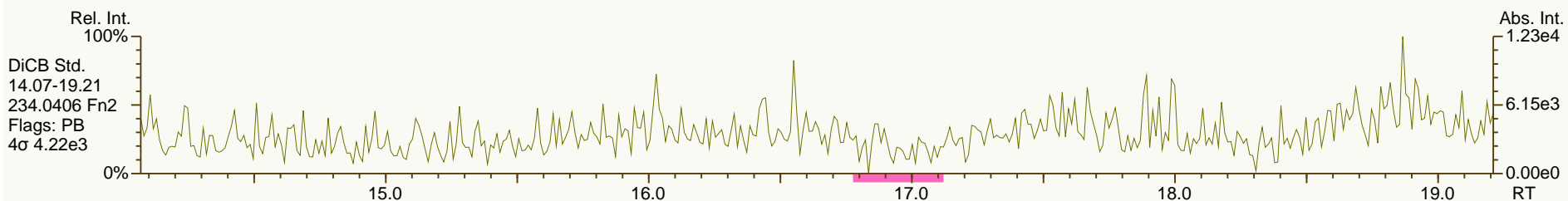
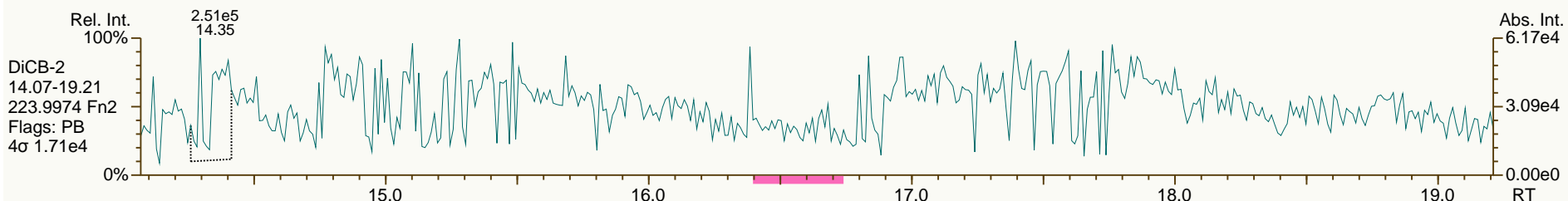
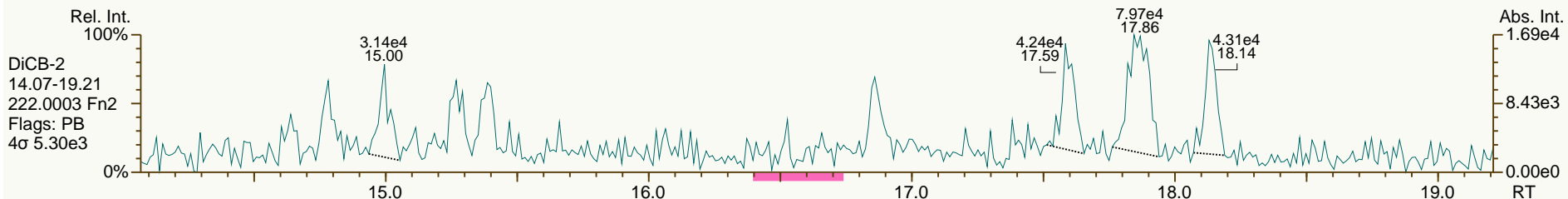
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

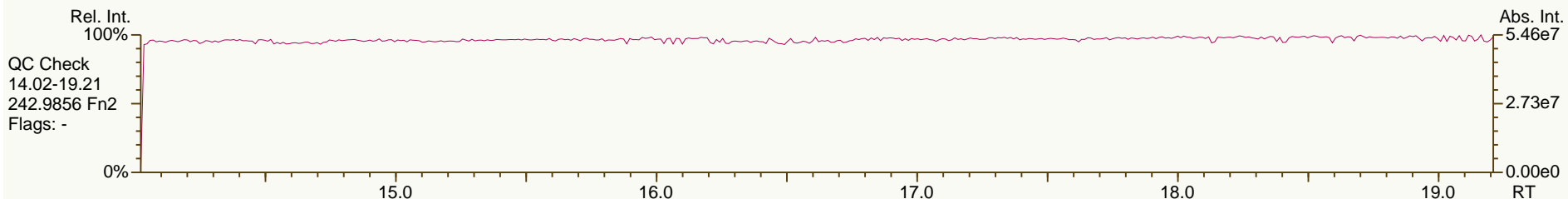
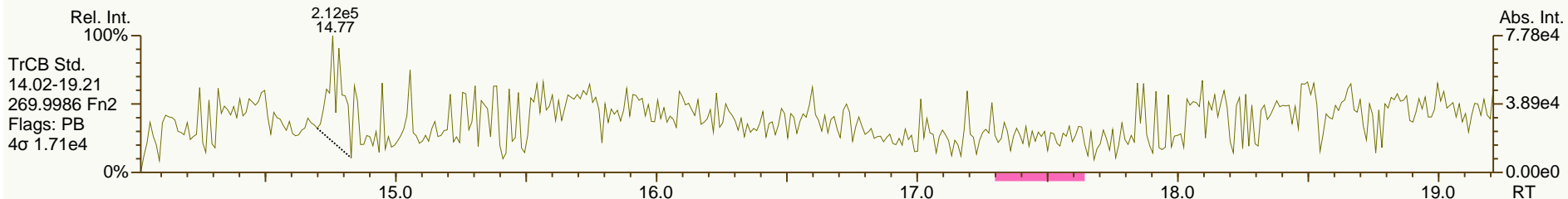
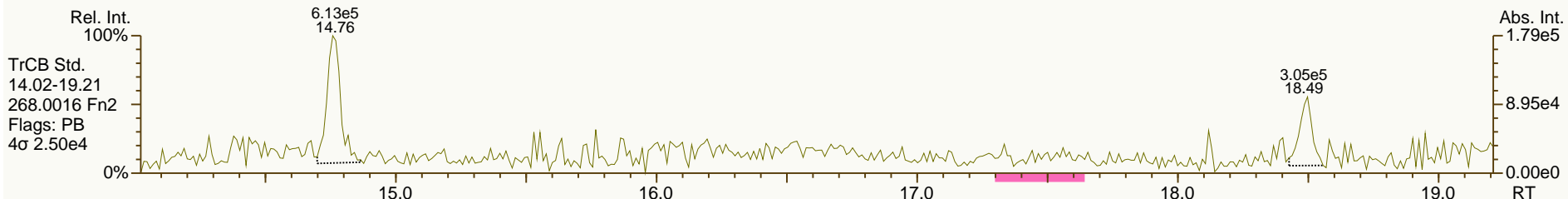
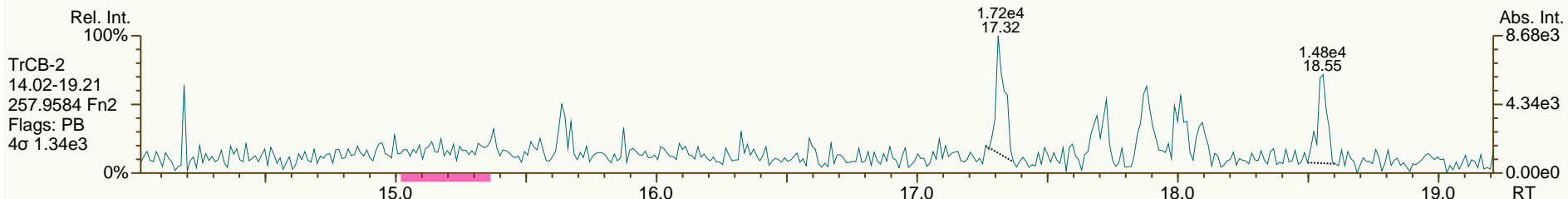
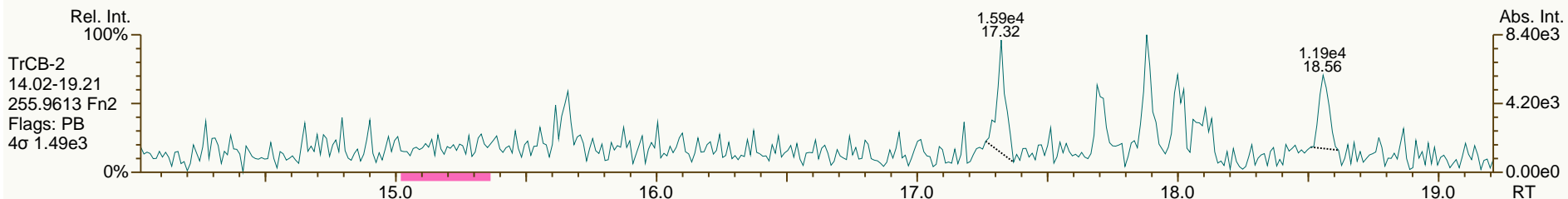
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

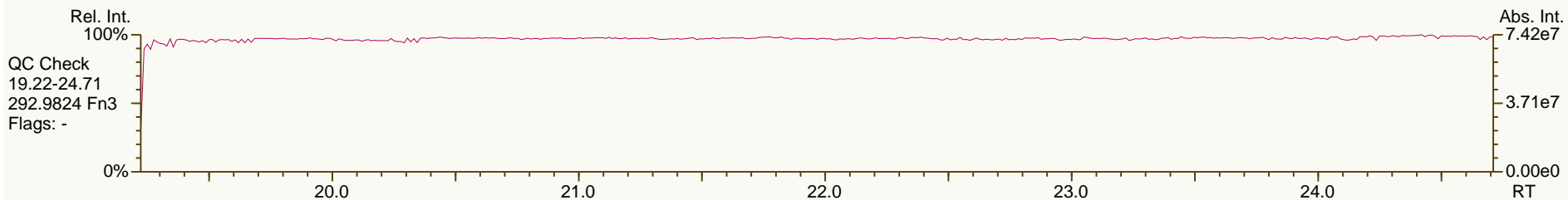
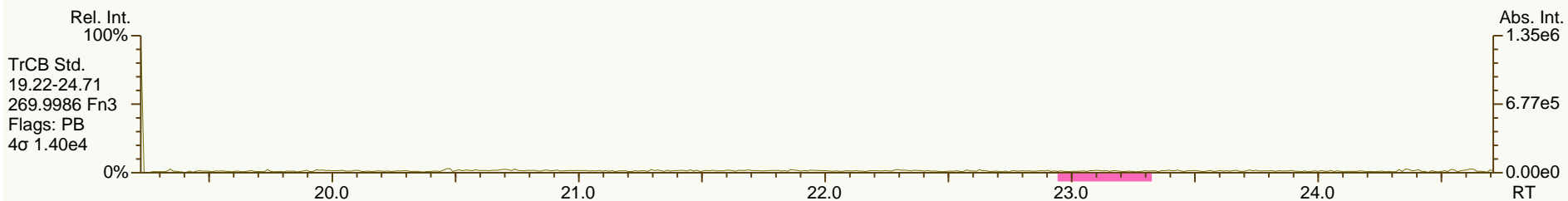
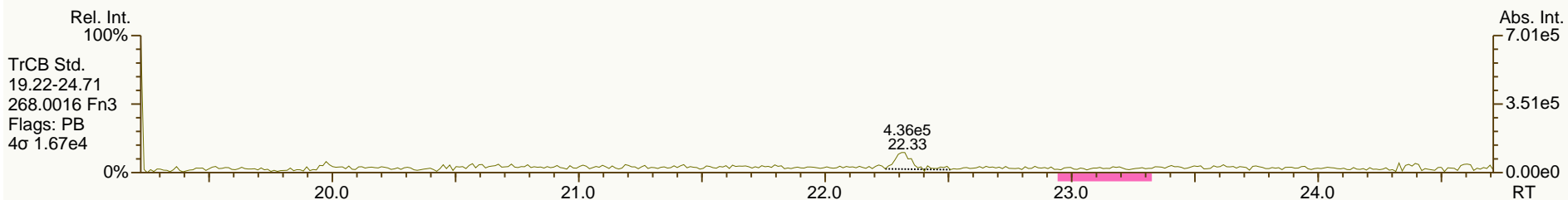
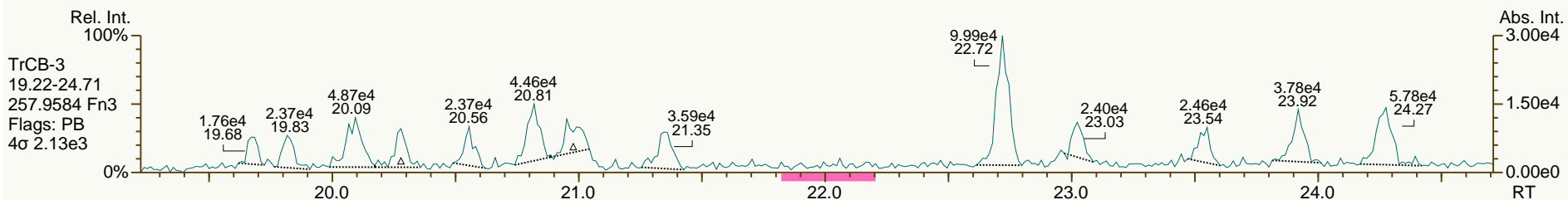
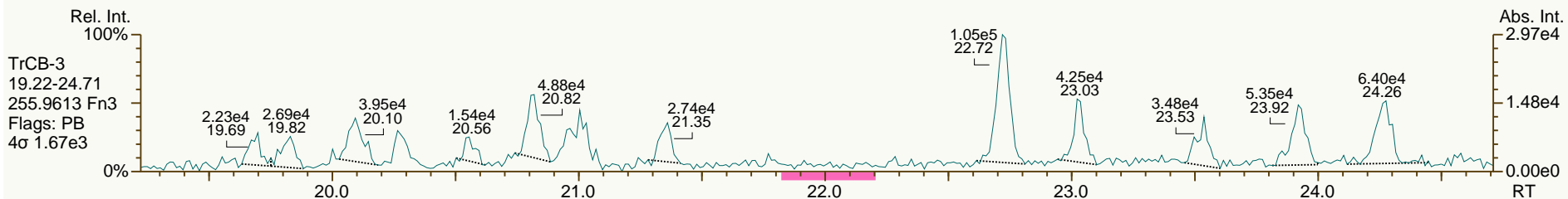
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

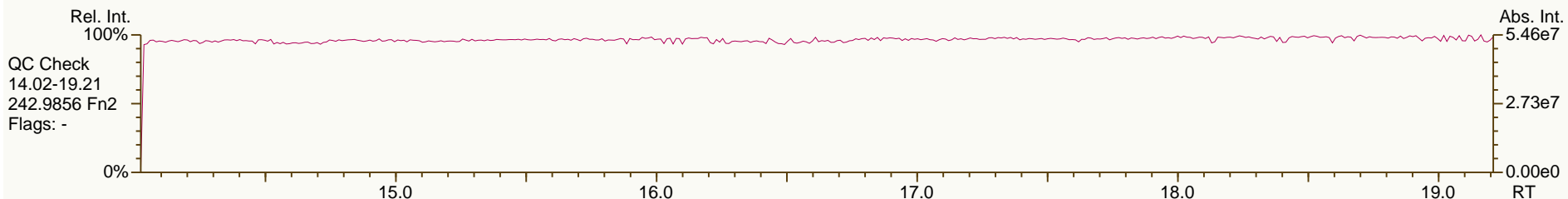
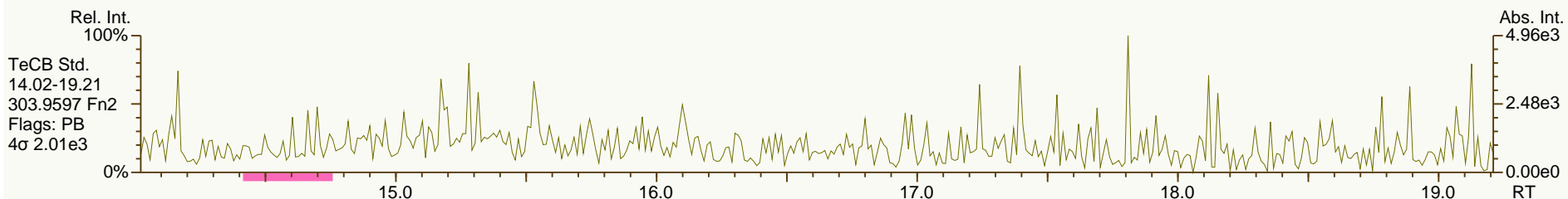
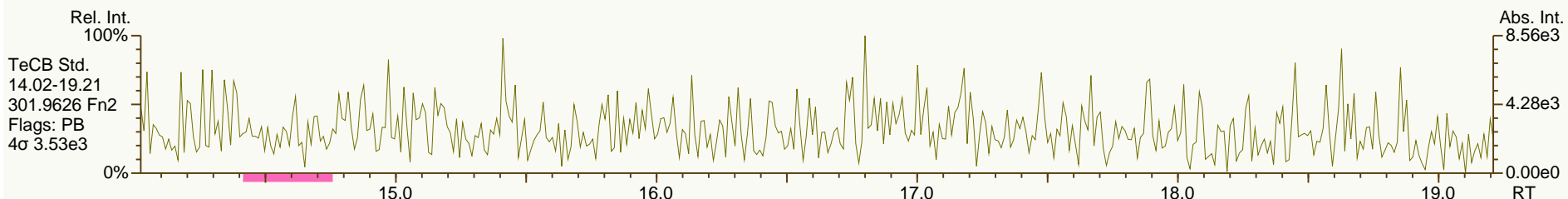
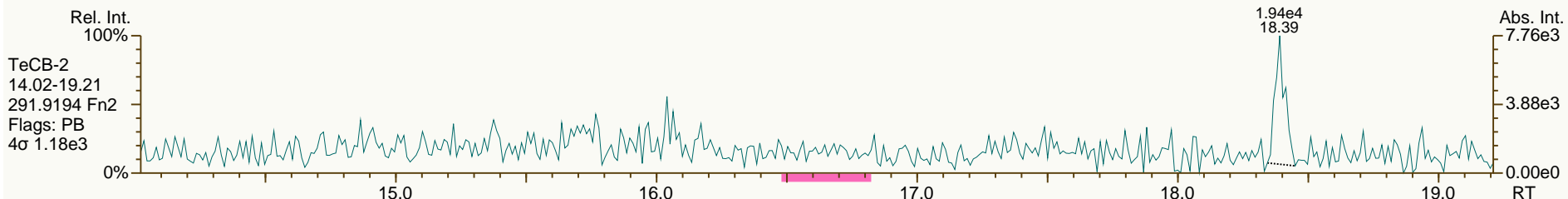
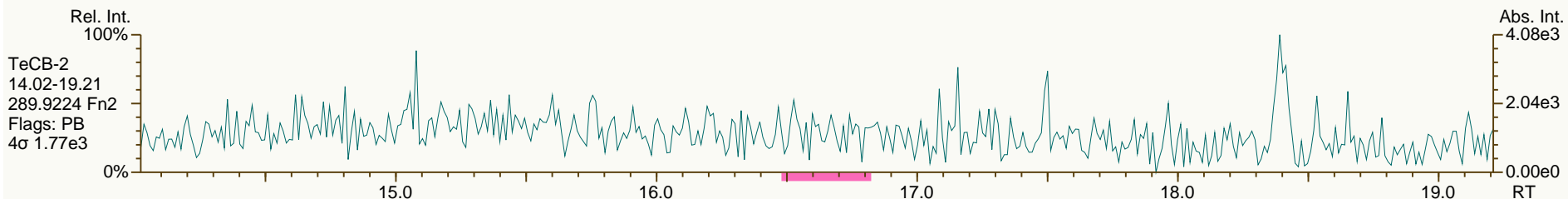
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

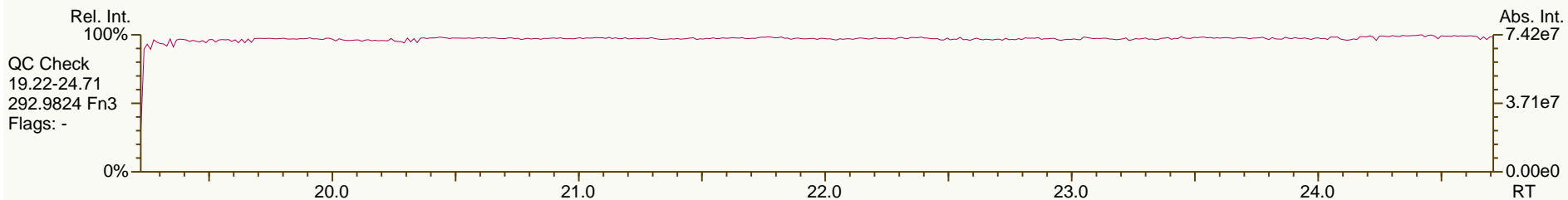
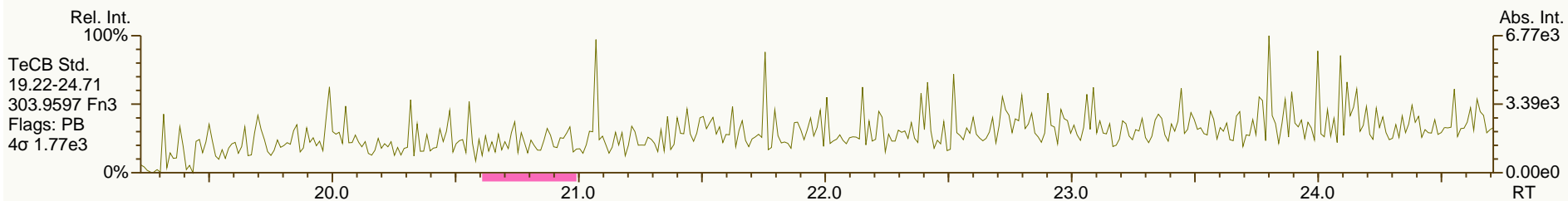
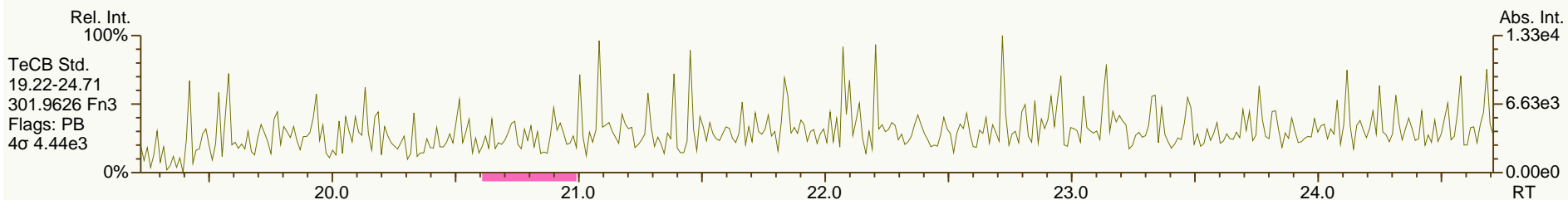
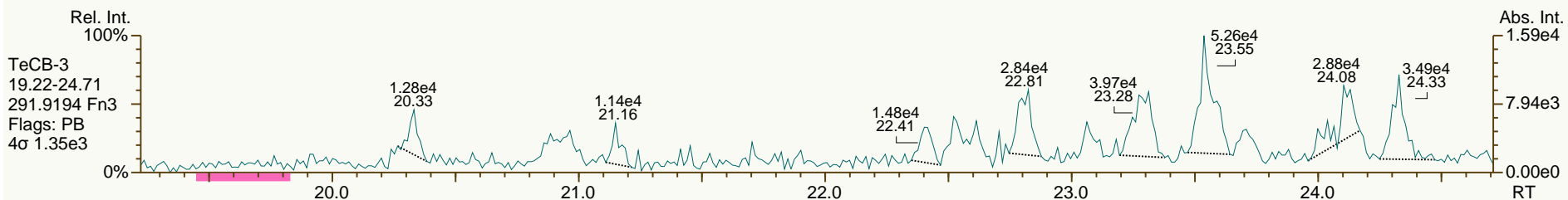
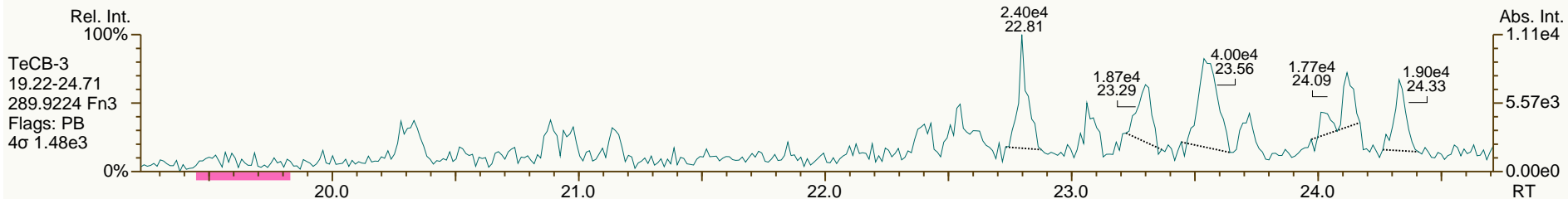
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

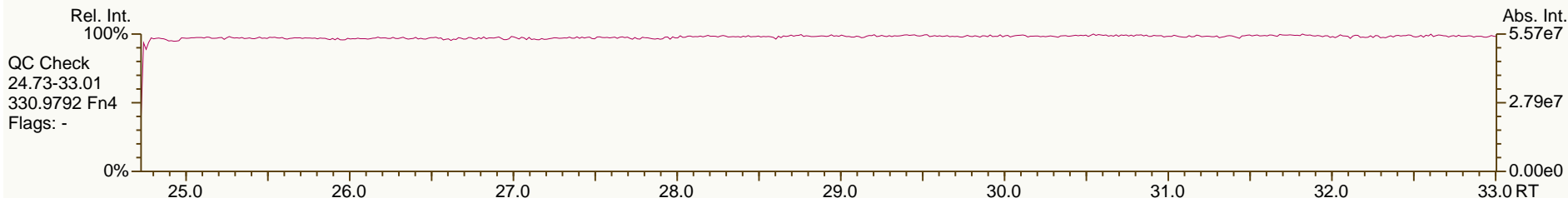
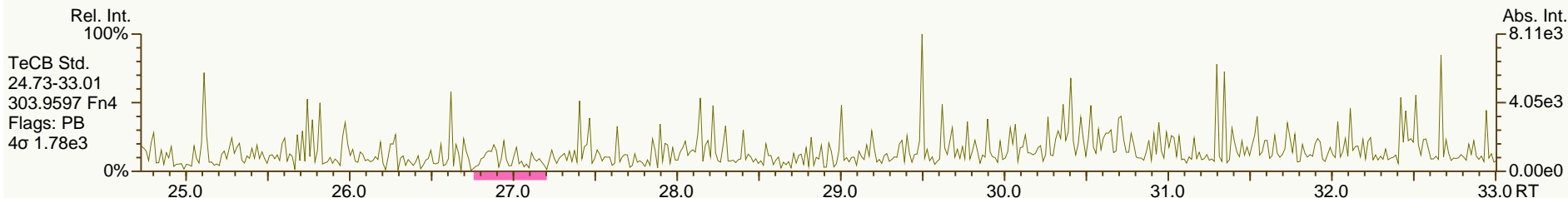
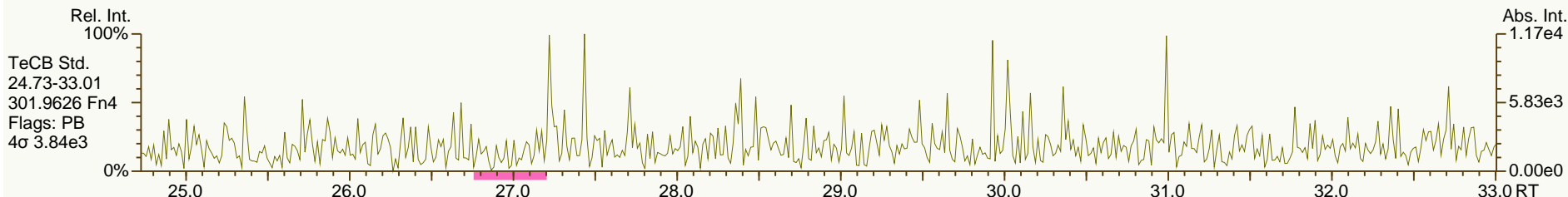
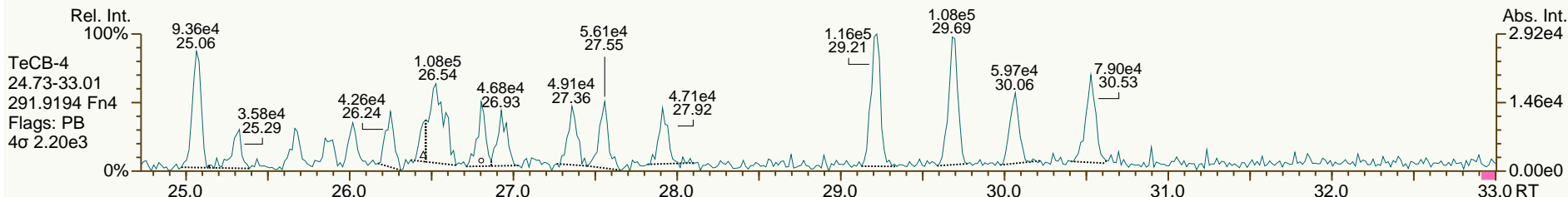
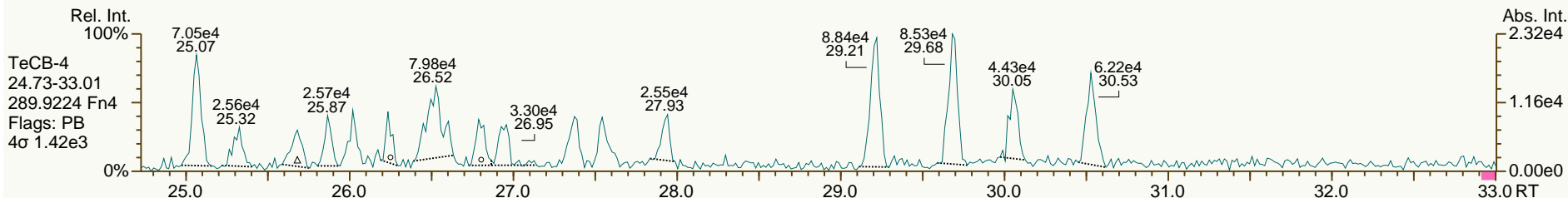
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

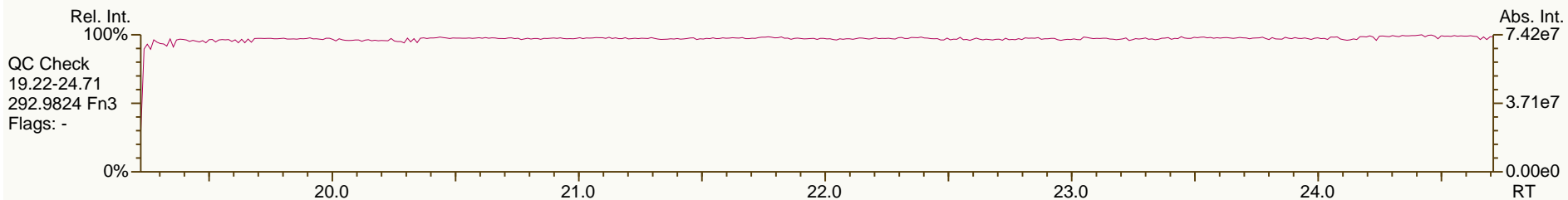
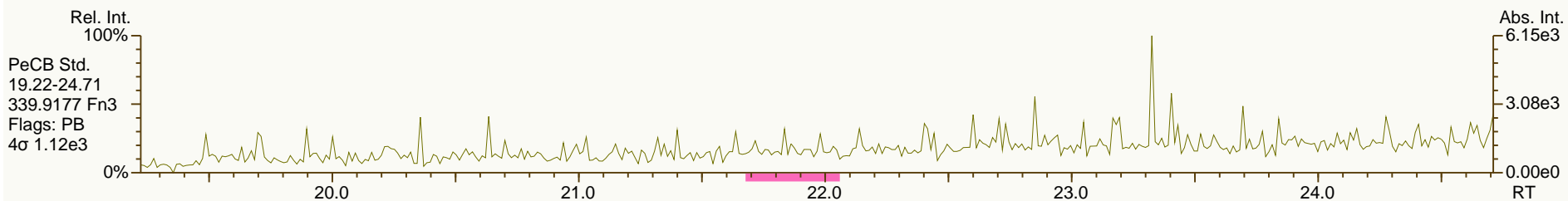
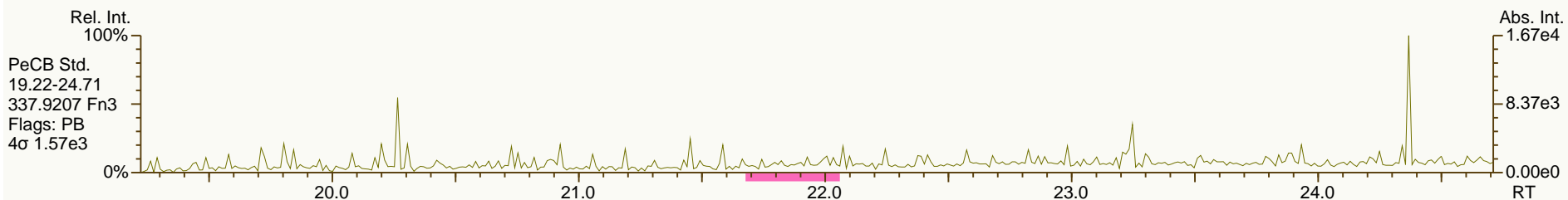
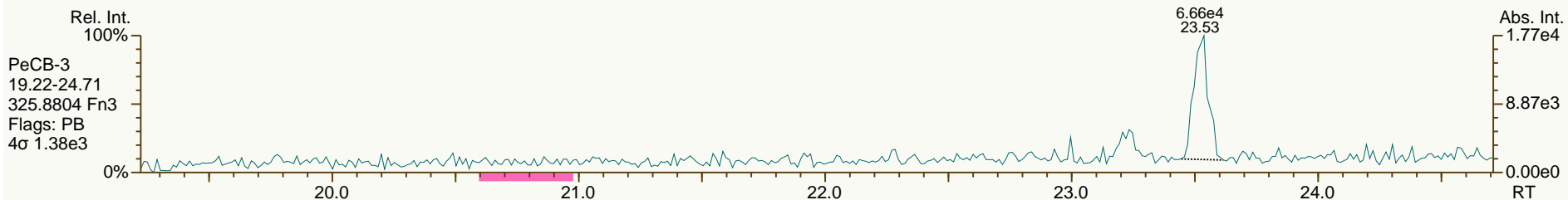
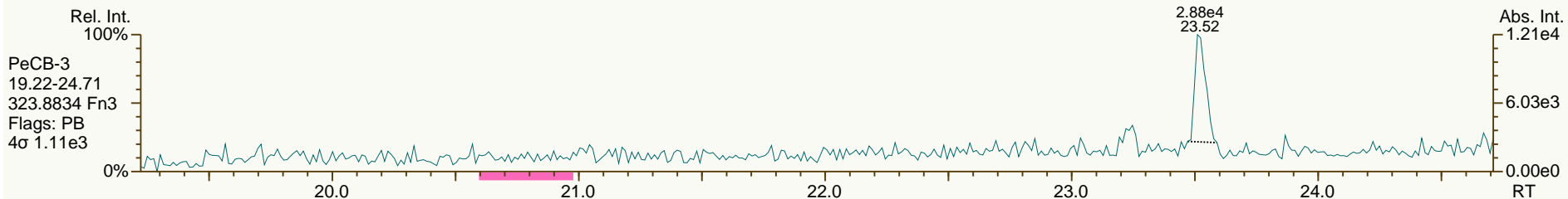
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

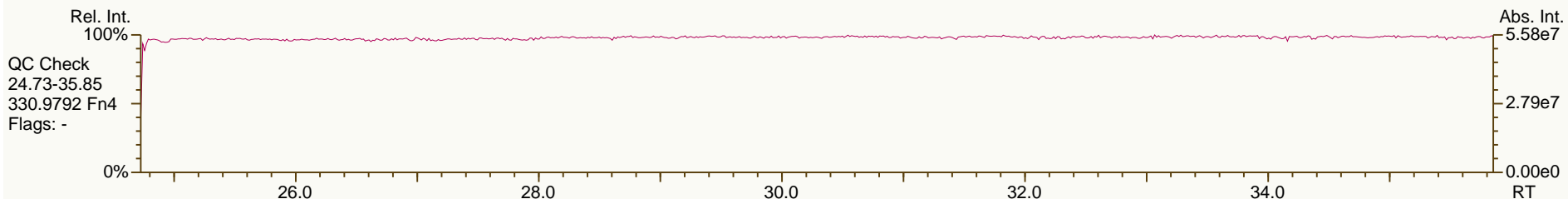
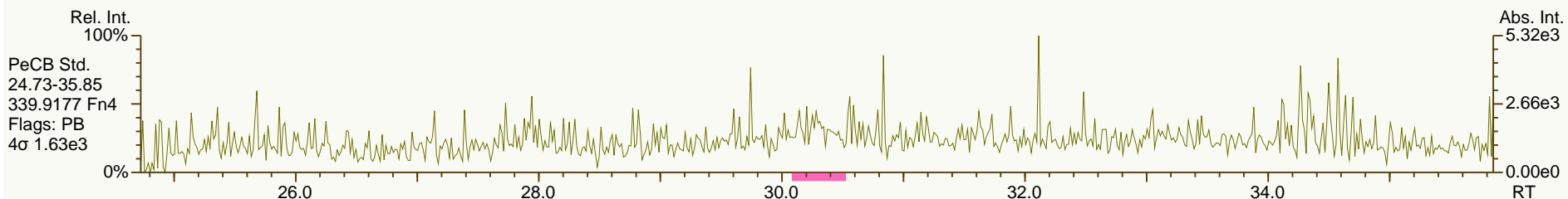
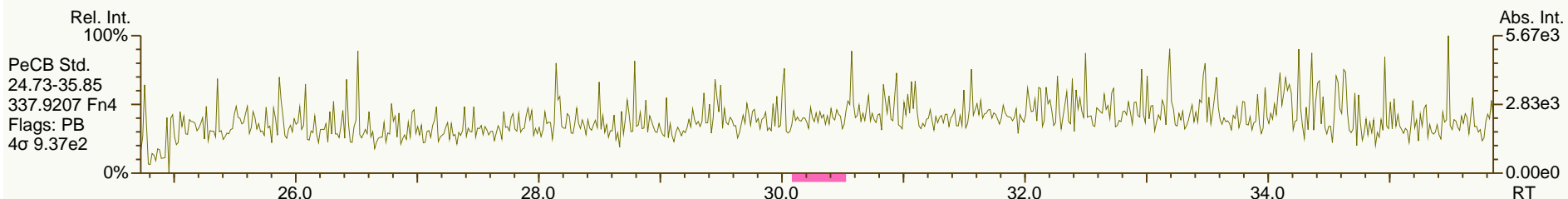
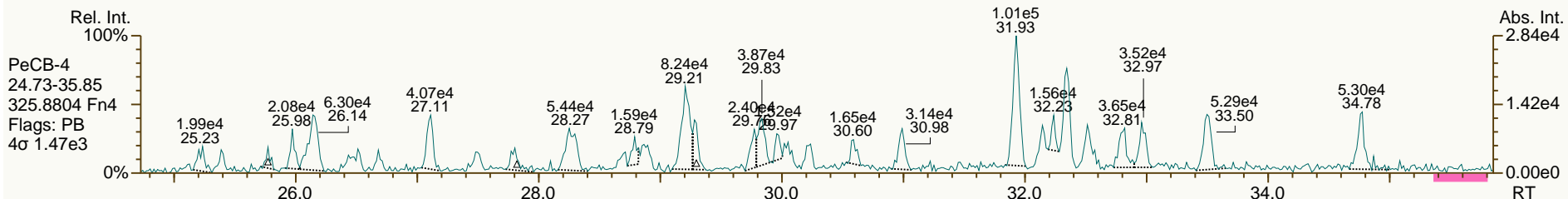
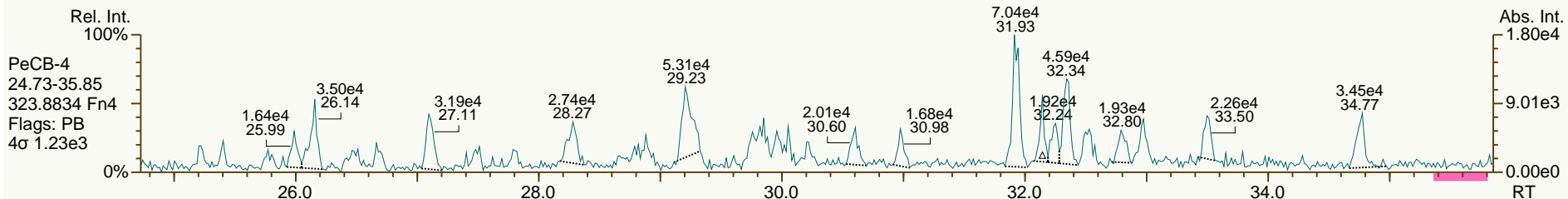
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

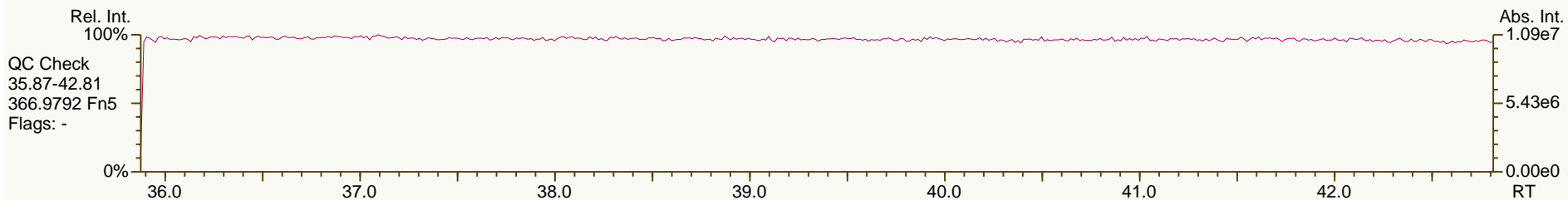
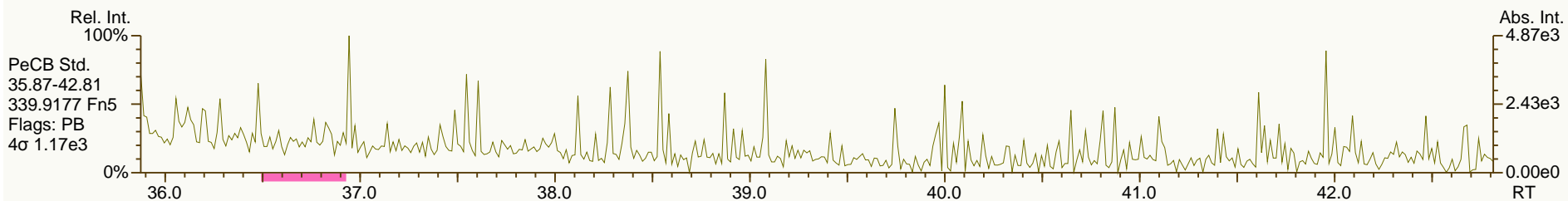
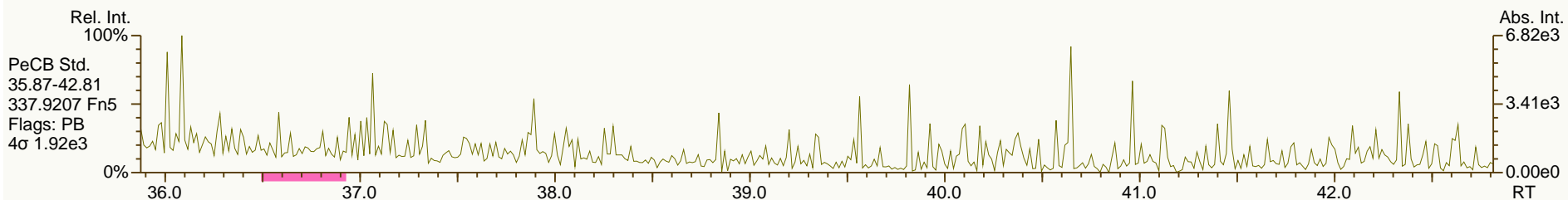
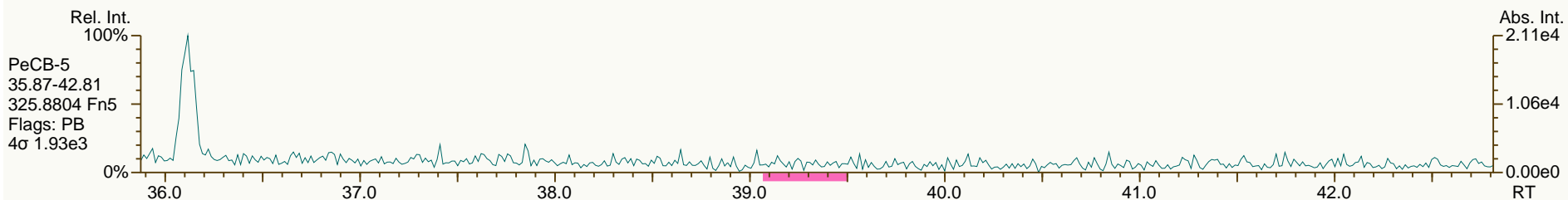
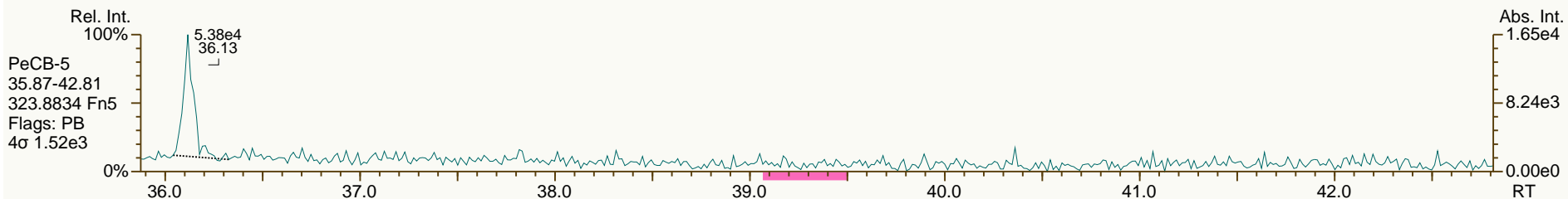
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

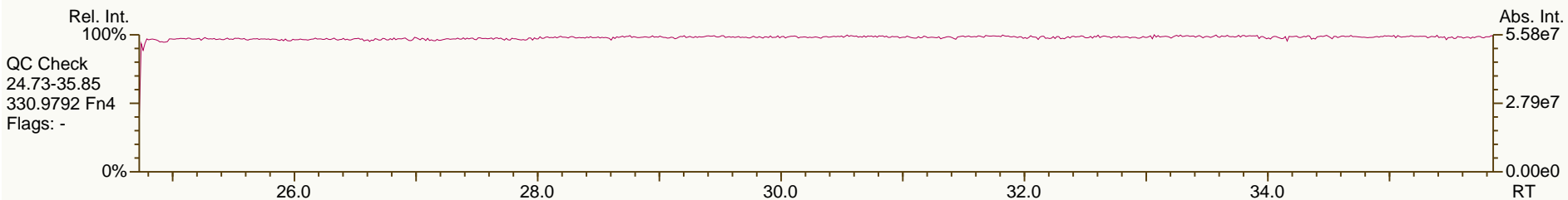
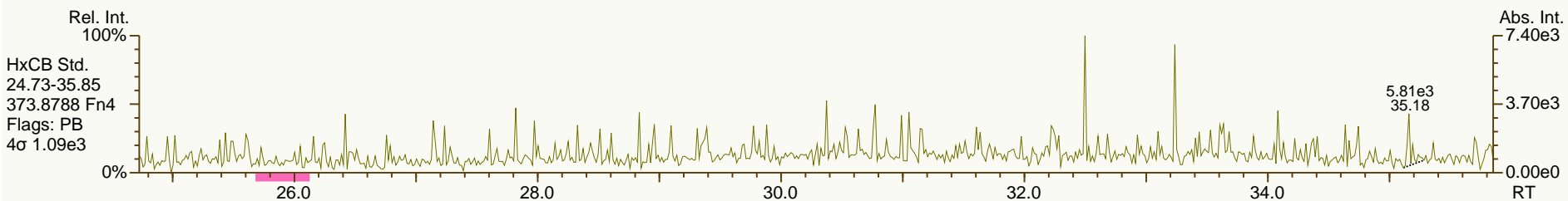
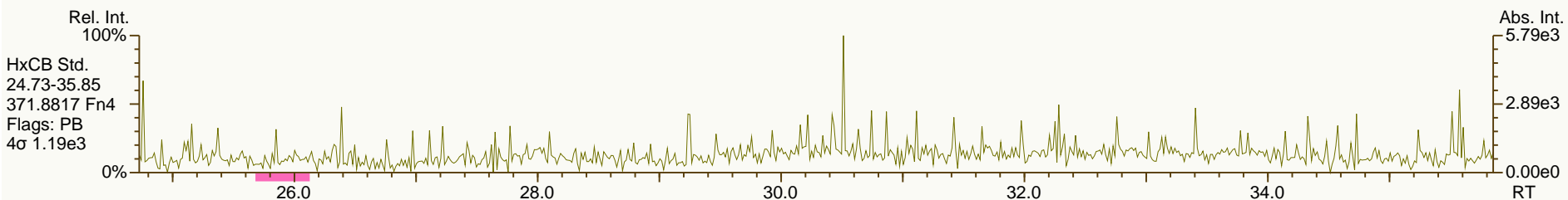
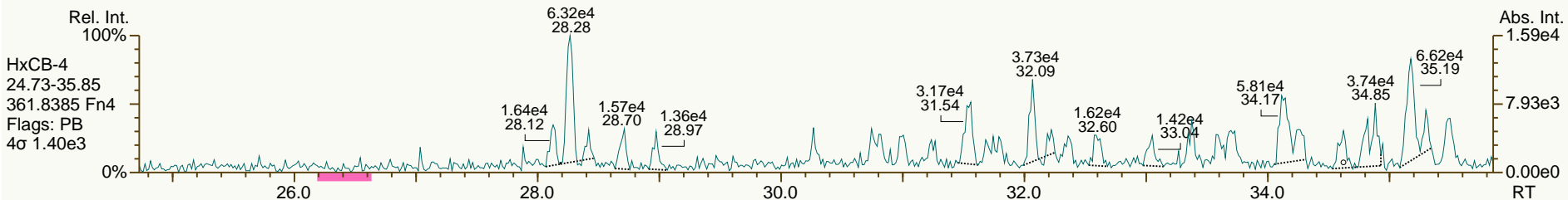
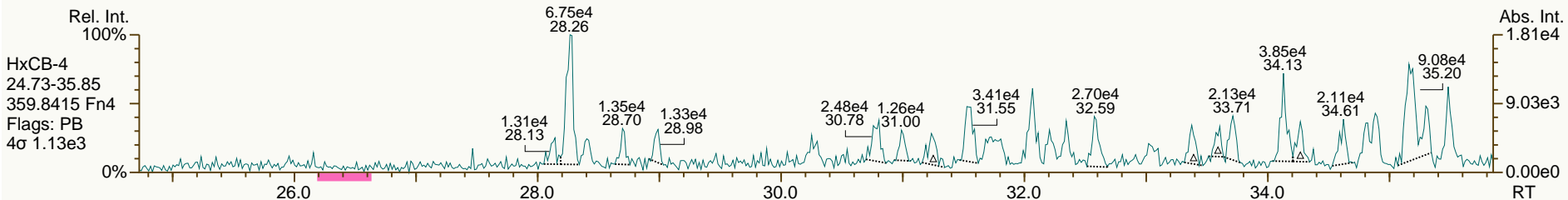
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

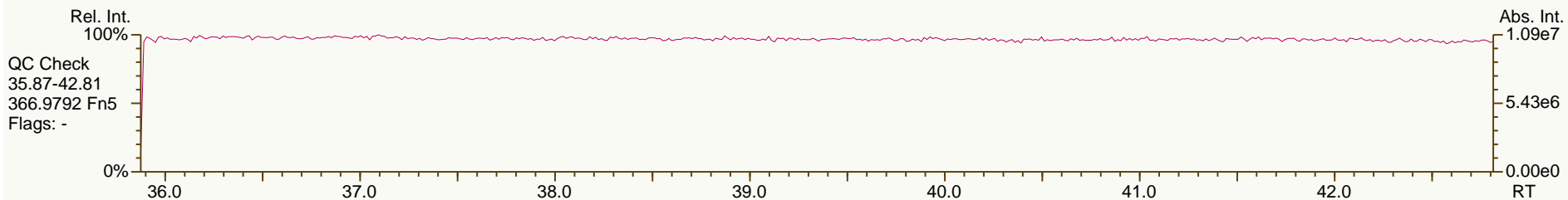
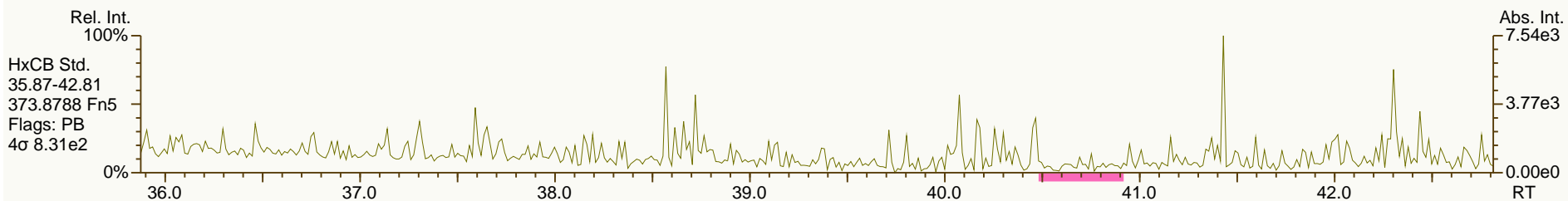
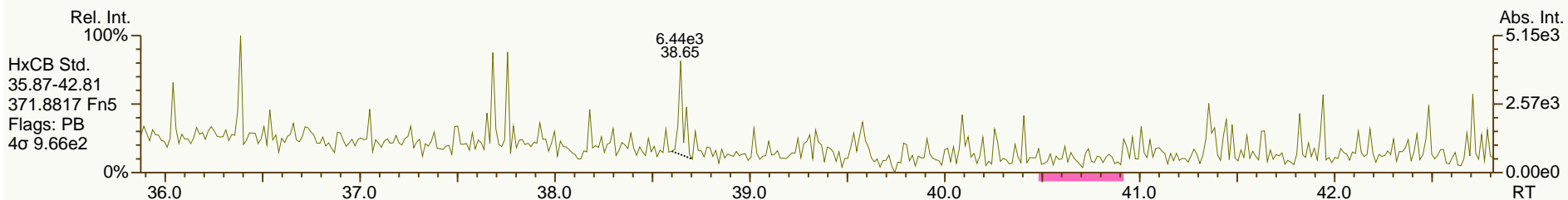
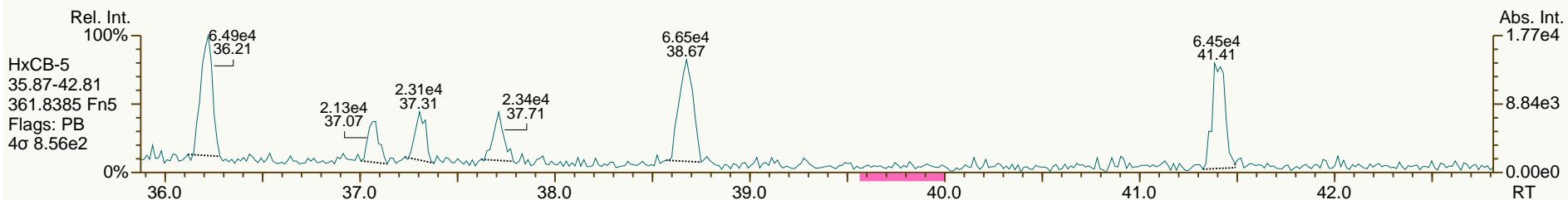
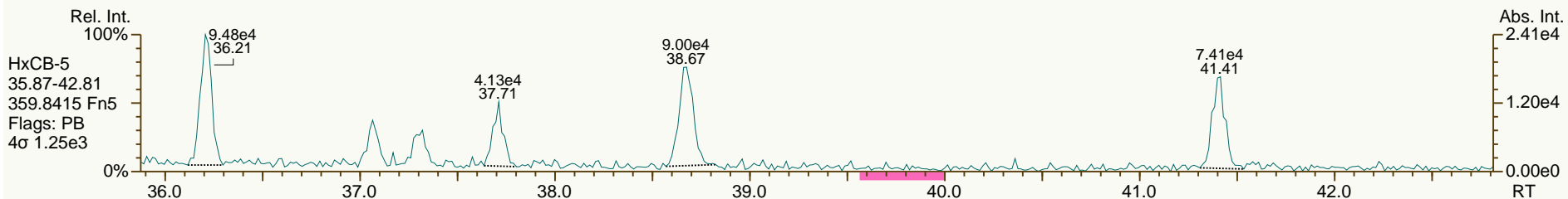
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

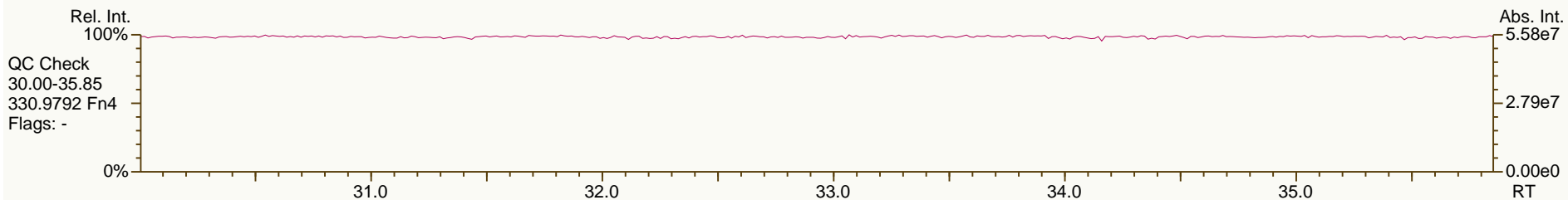
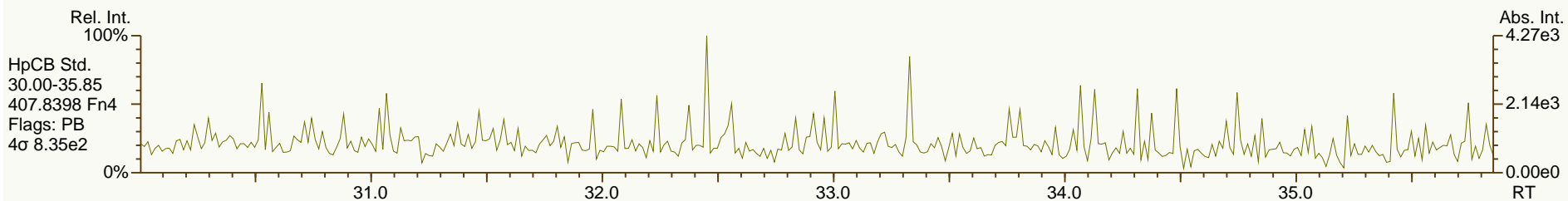
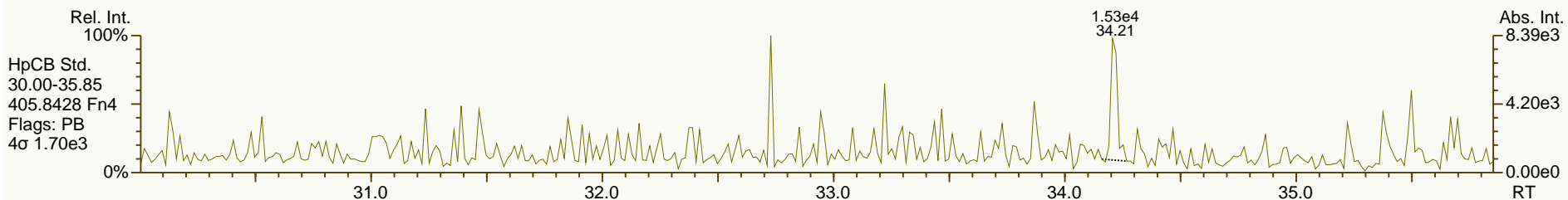
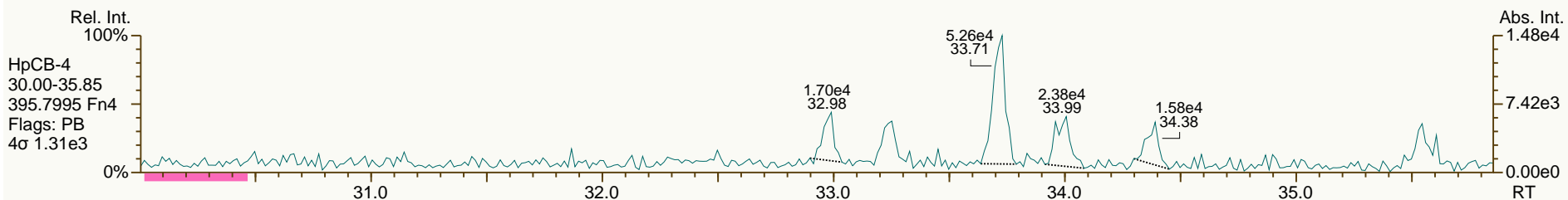
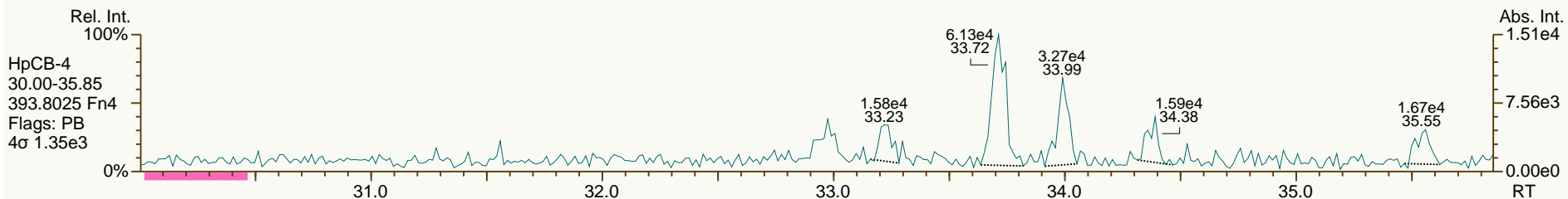
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

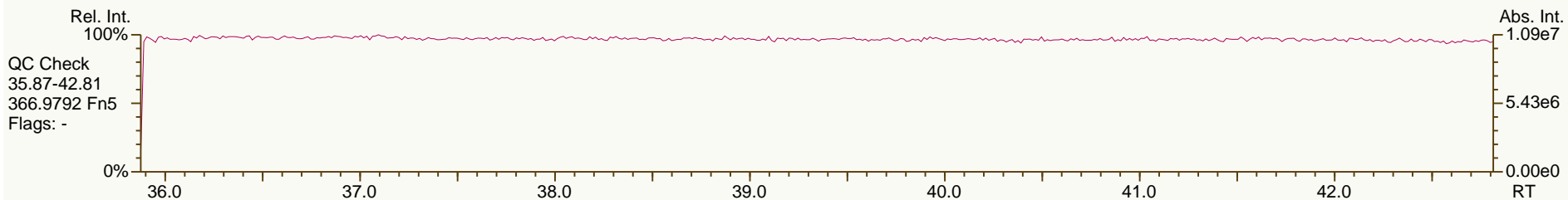
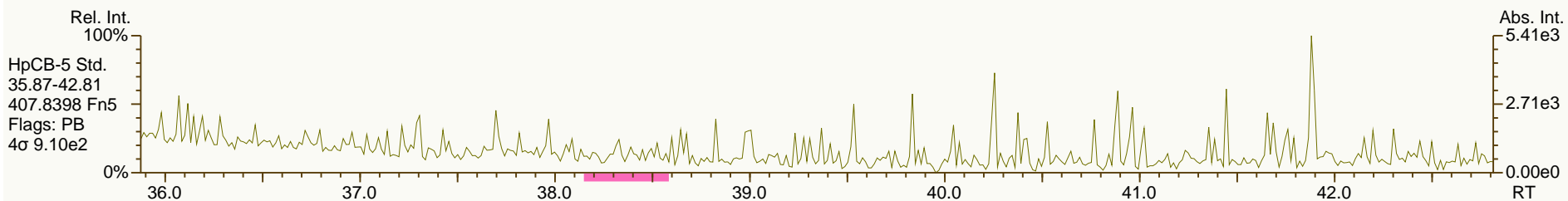
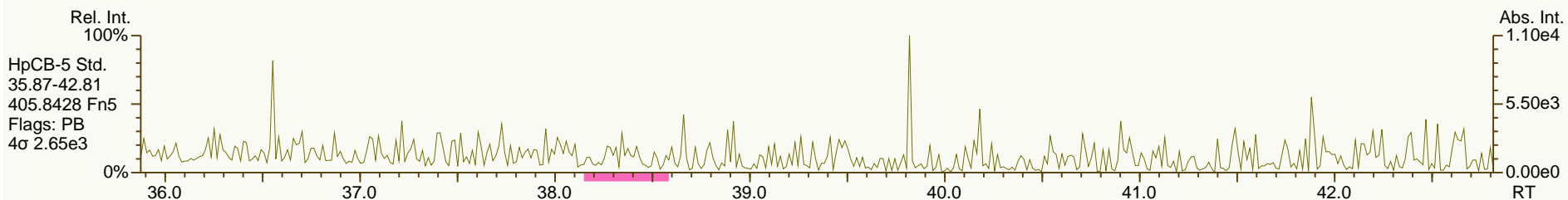
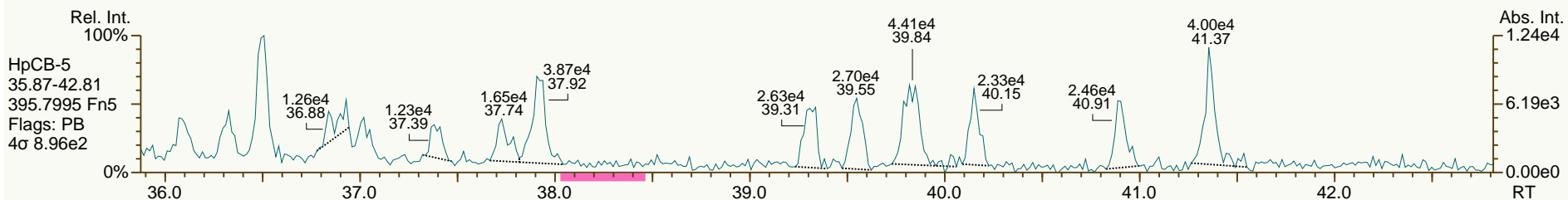
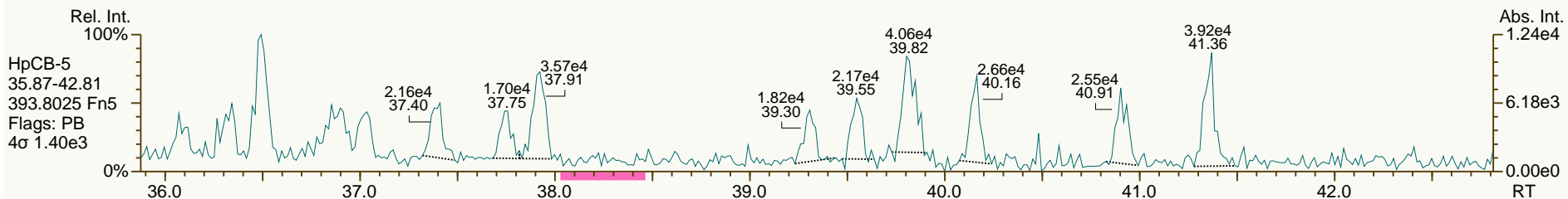
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

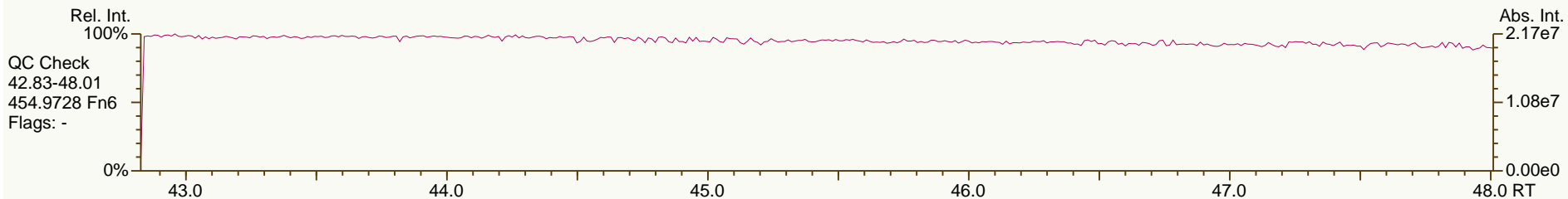
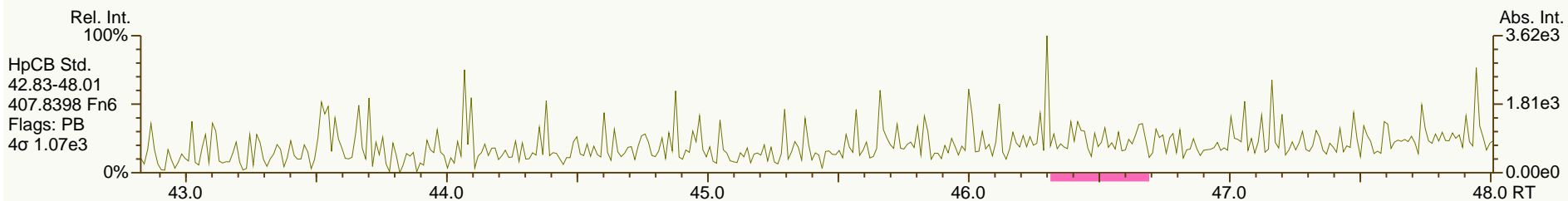
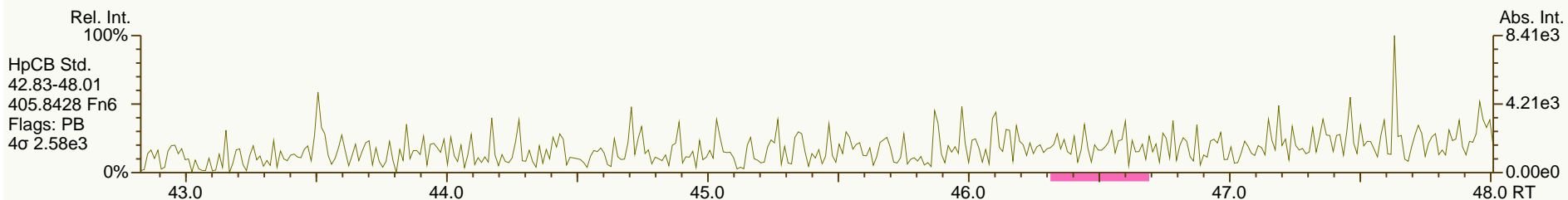
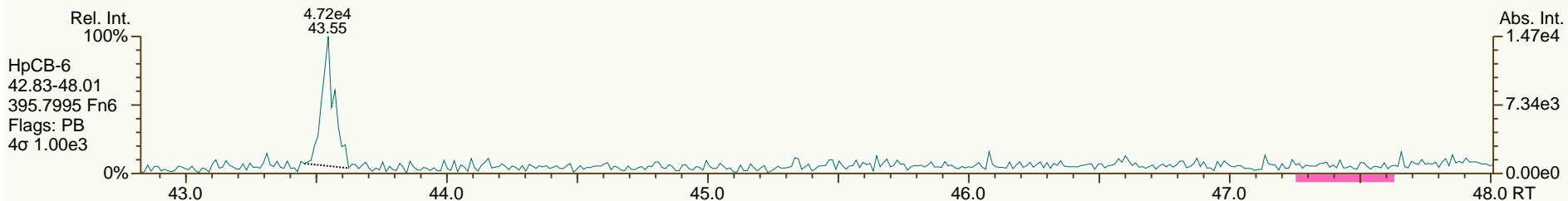
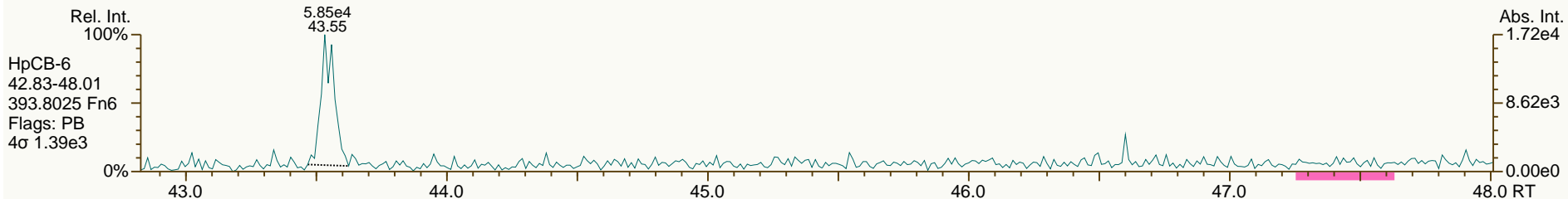
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

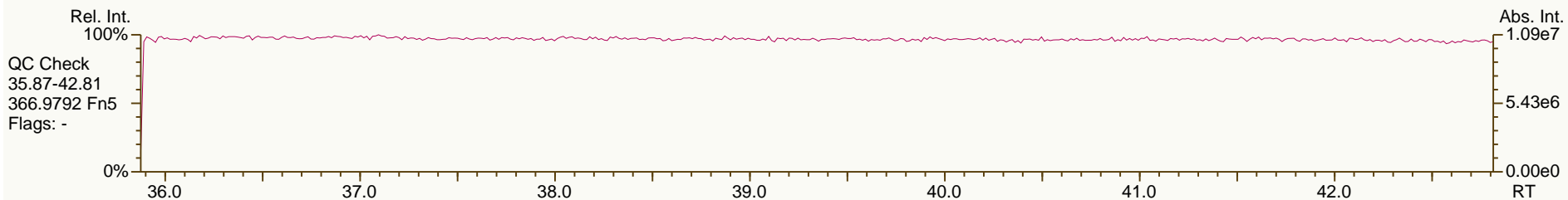
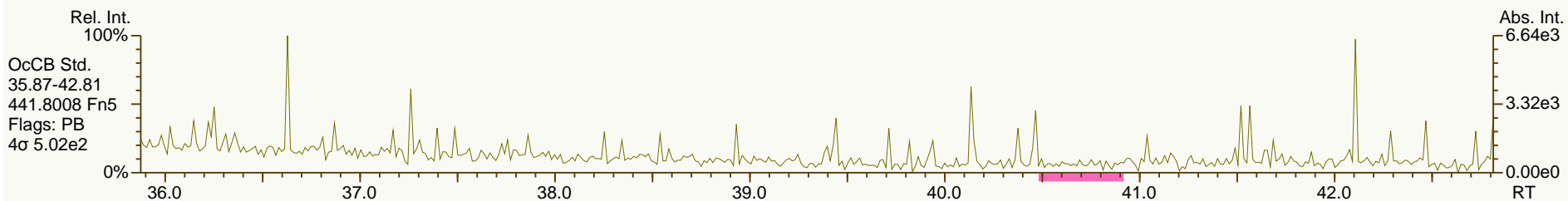
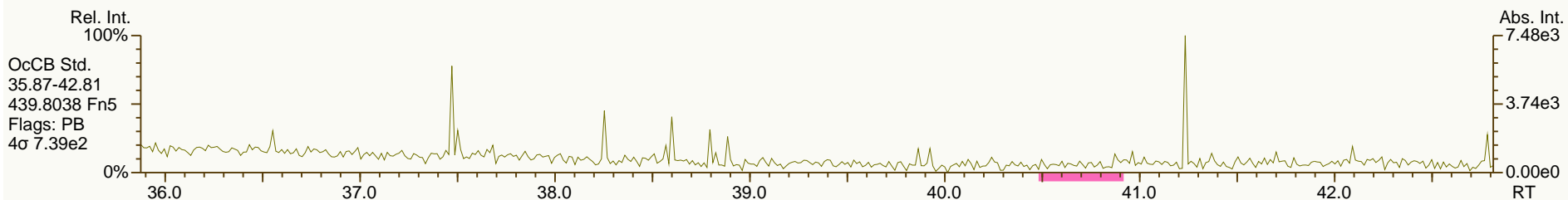
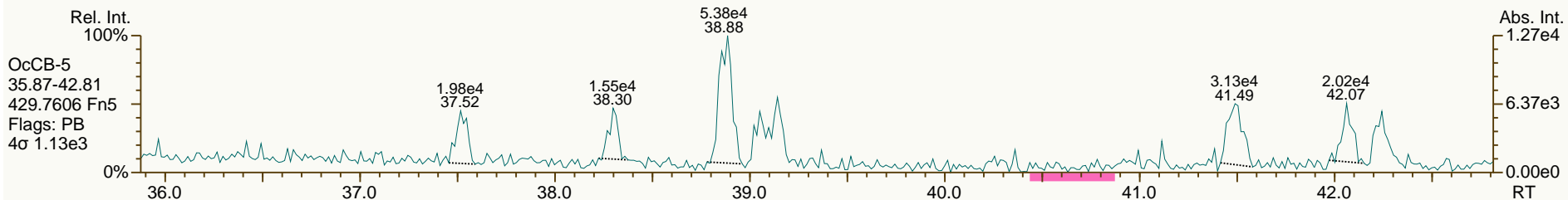
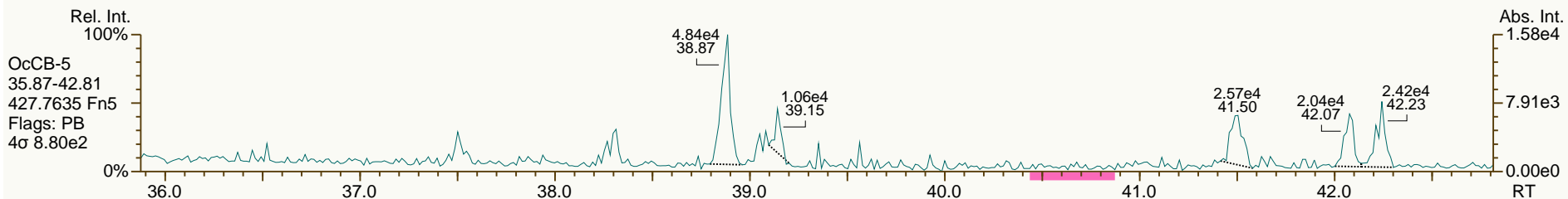
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

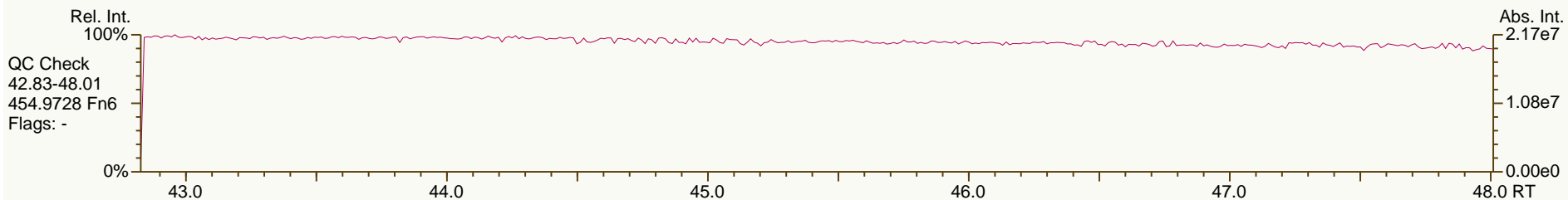
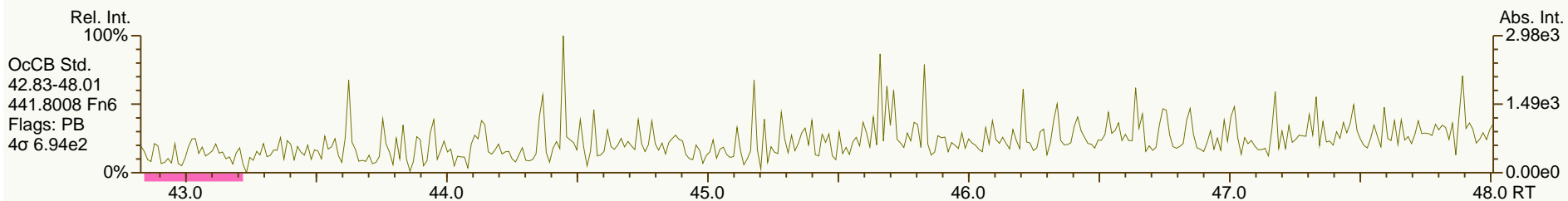
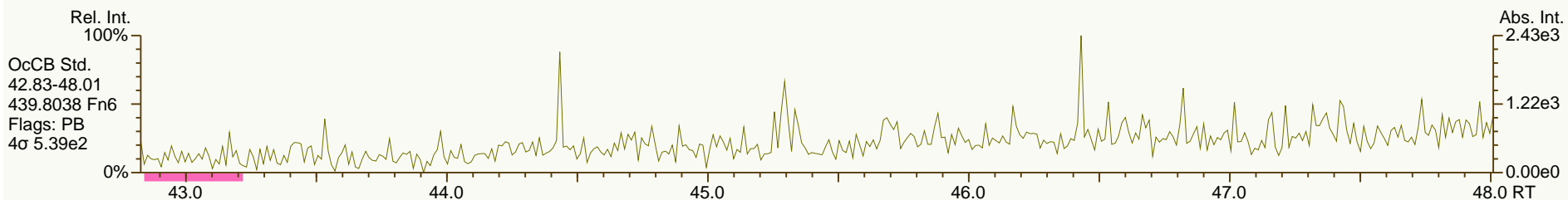
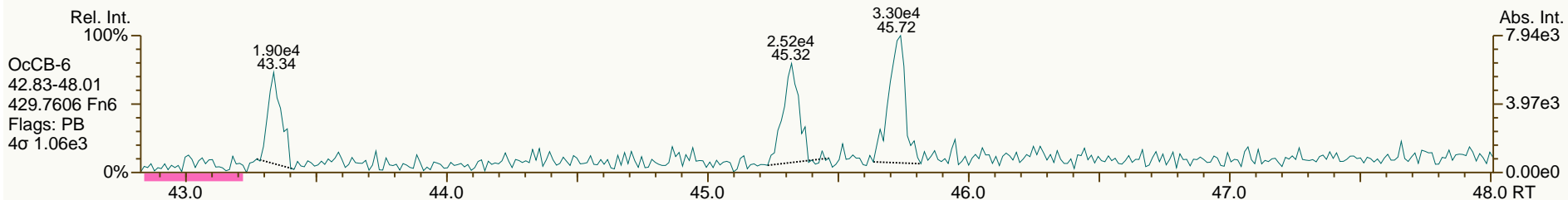
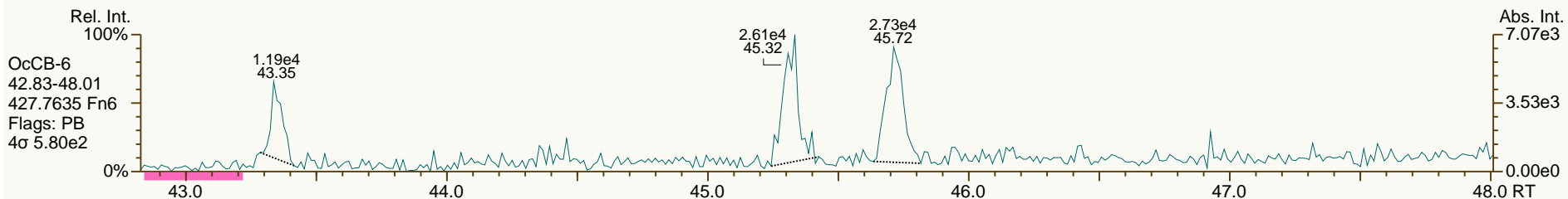
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

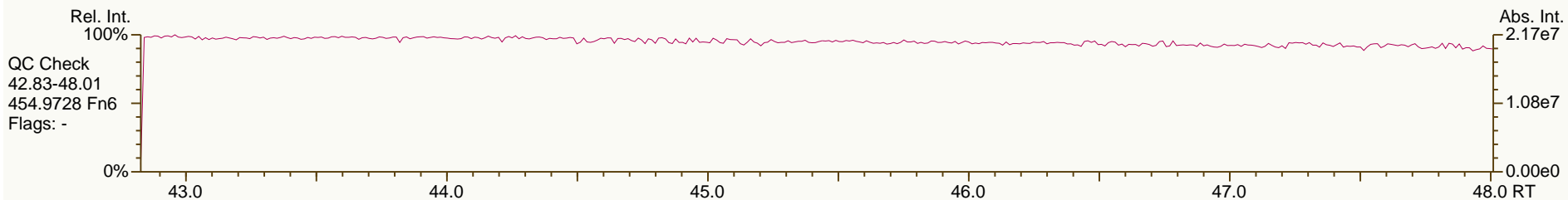
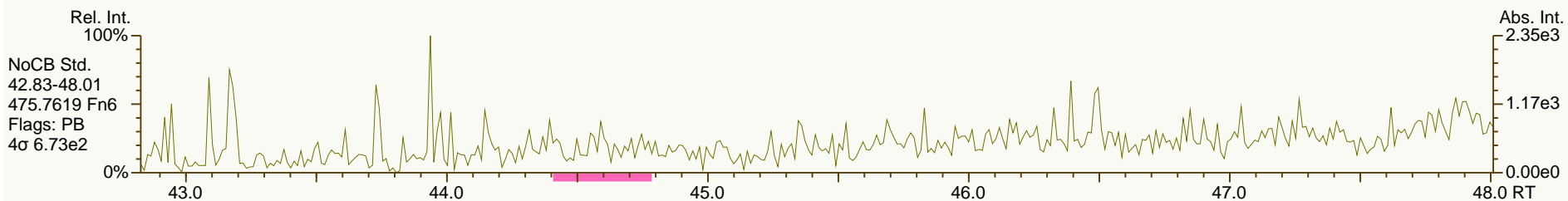
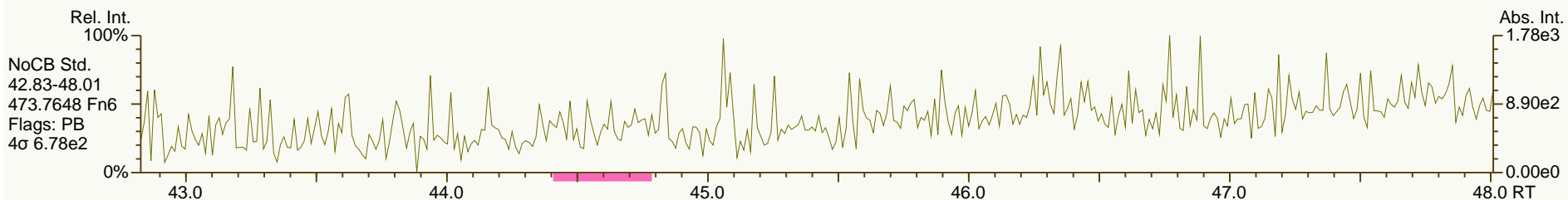
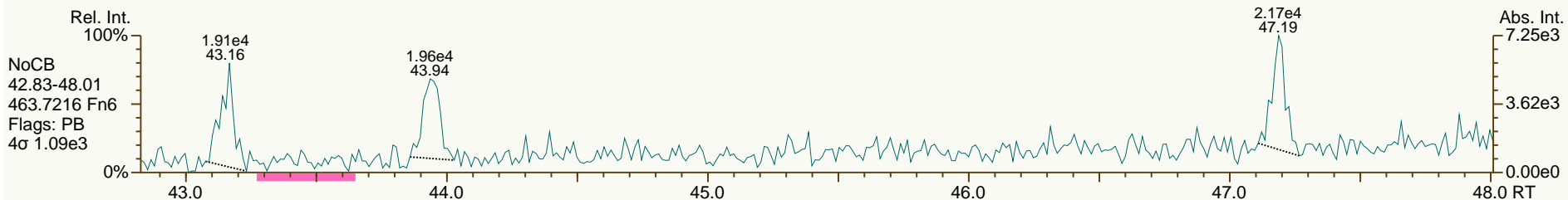
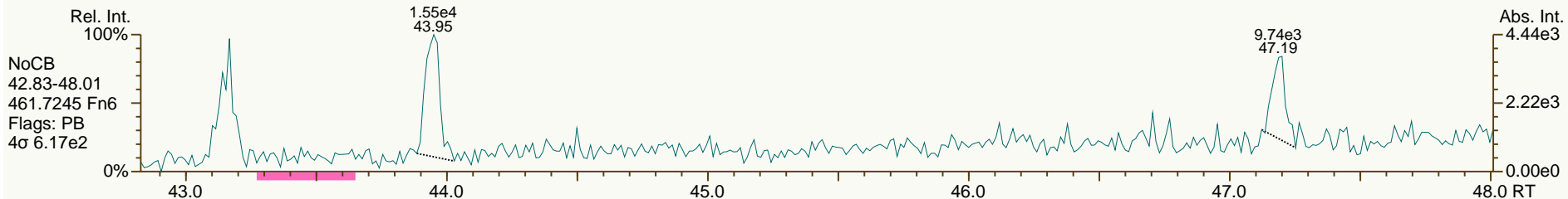
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

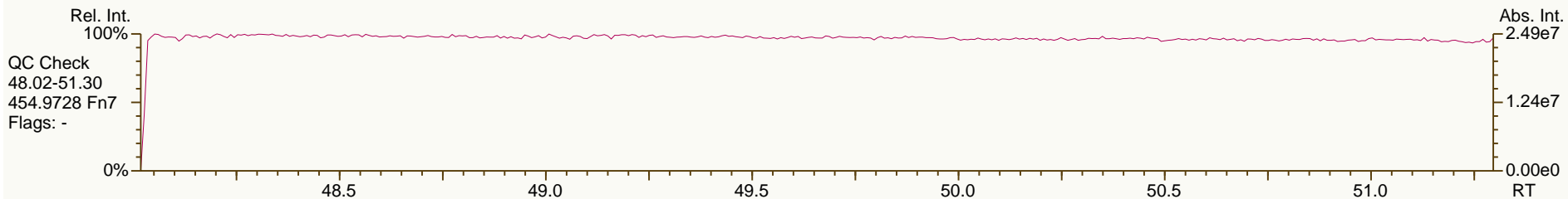
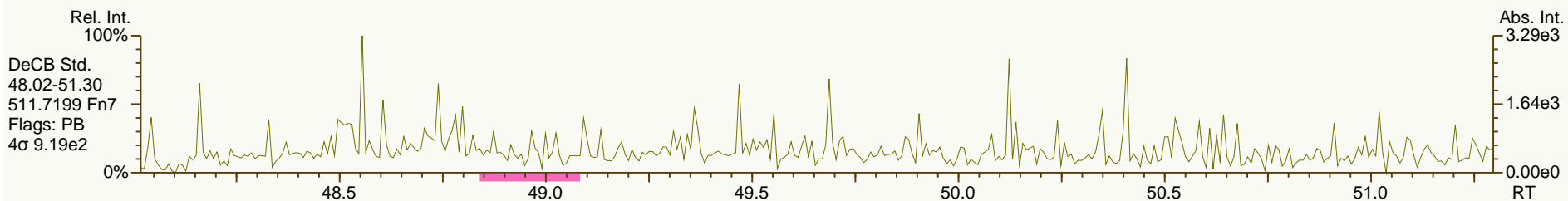
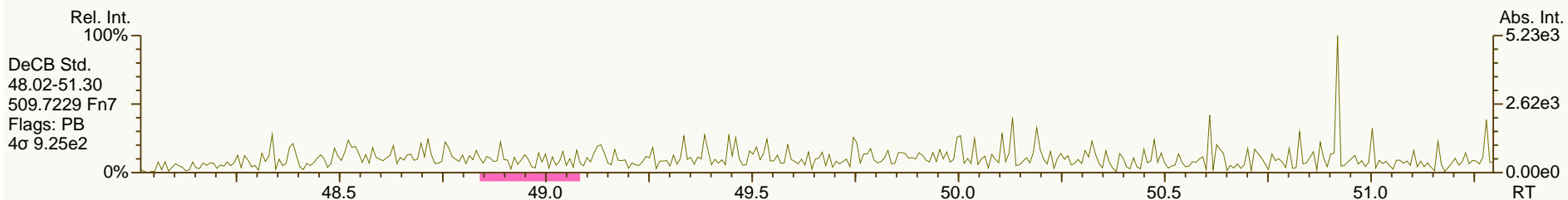
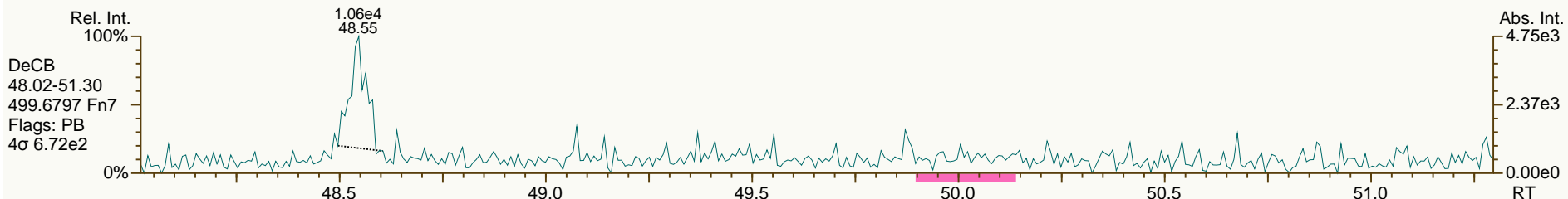
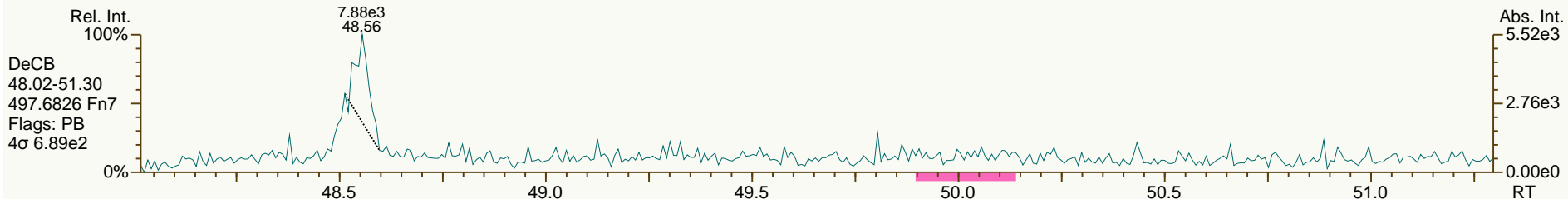
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

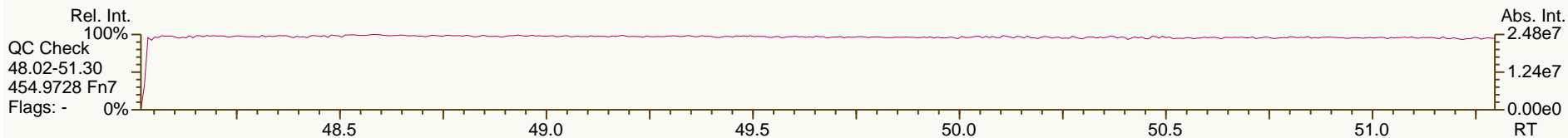
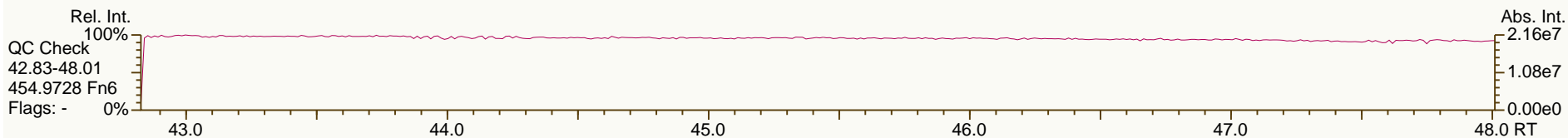
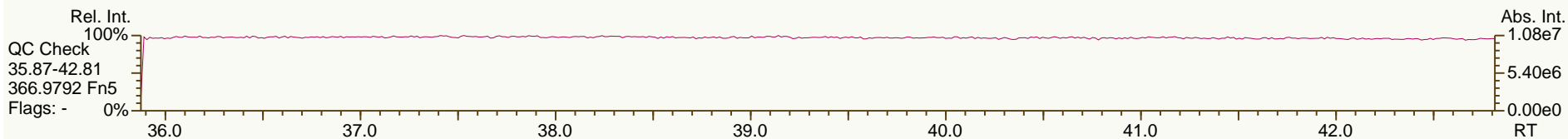
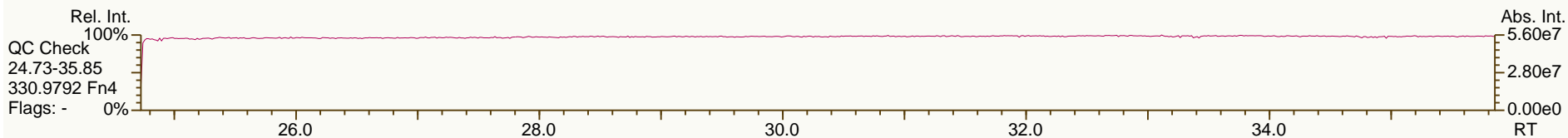
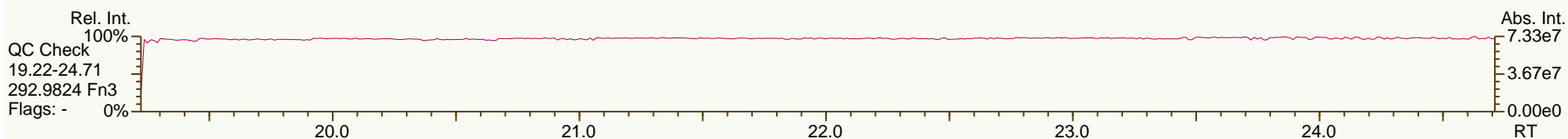
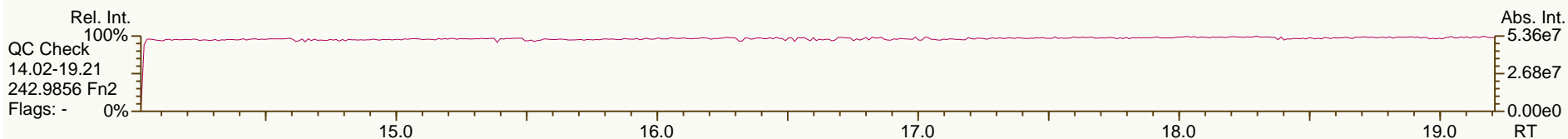
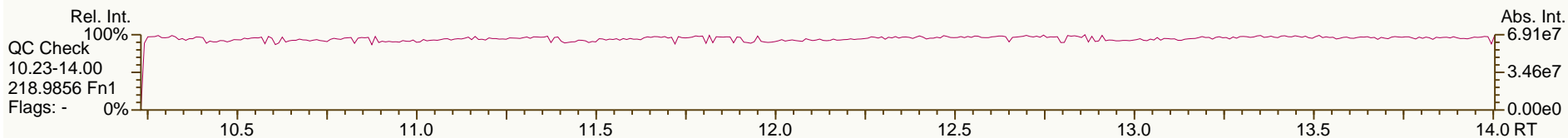
Acq: 26-Jan-2012 21:52:48
 User: CTW Datafile: 120126S09



AP Lab ID: SBS_120126_PCB_SC
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 22:45:51
User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

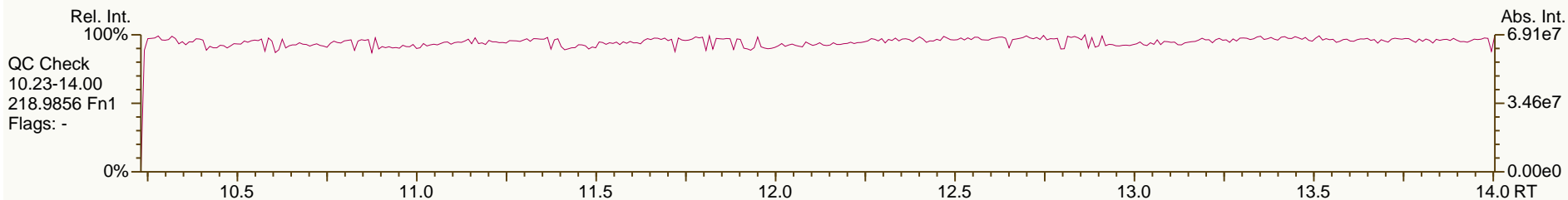
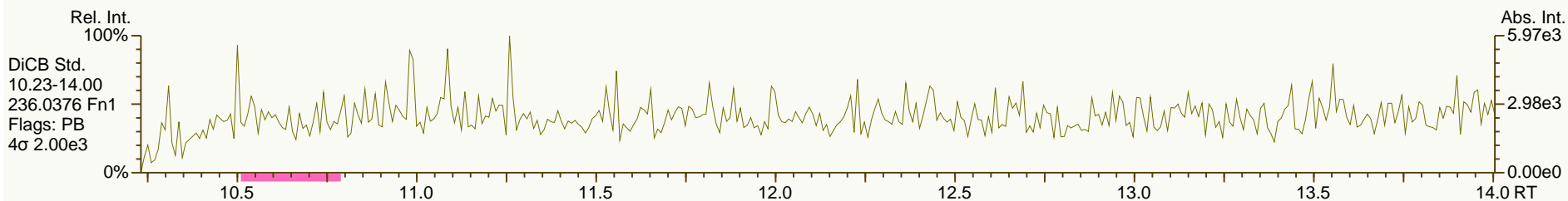
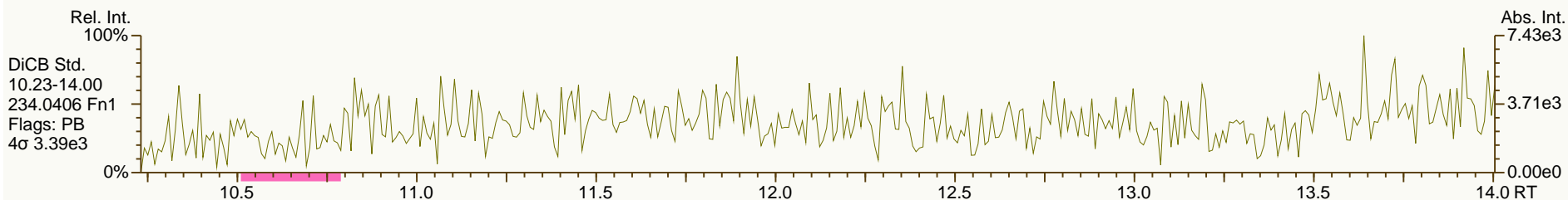
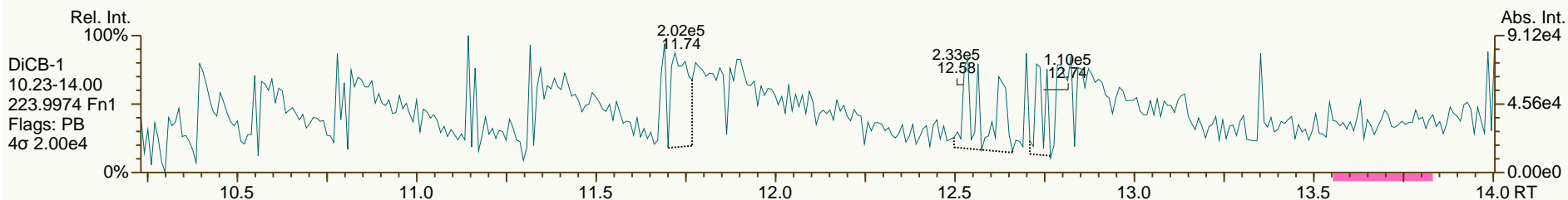
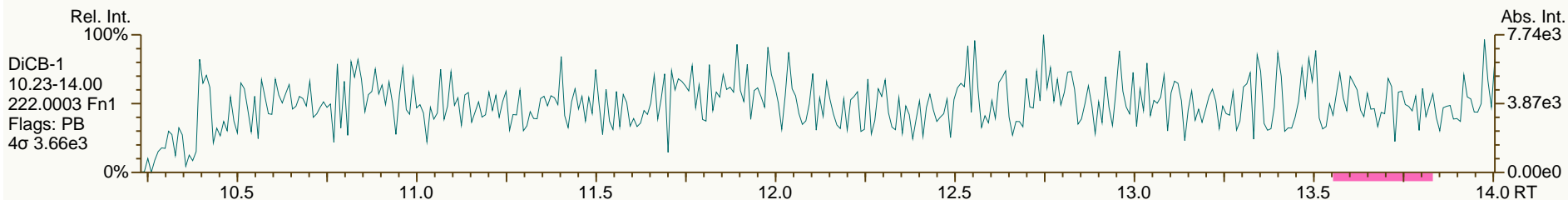
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

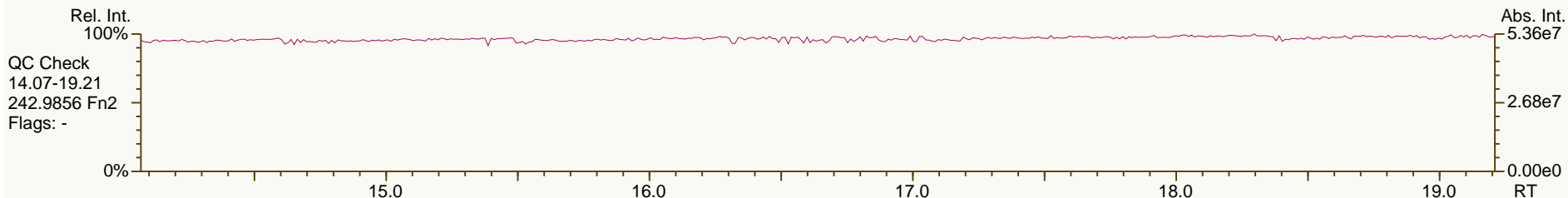
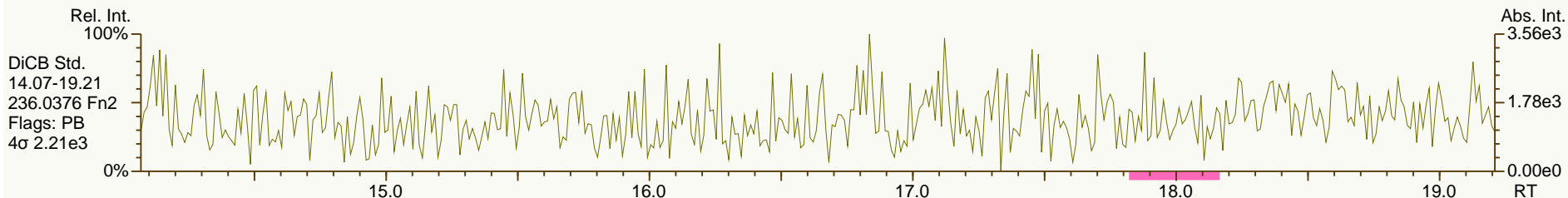
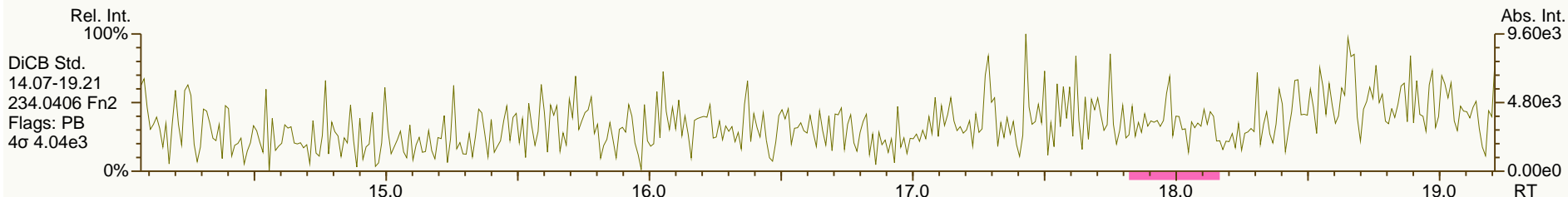
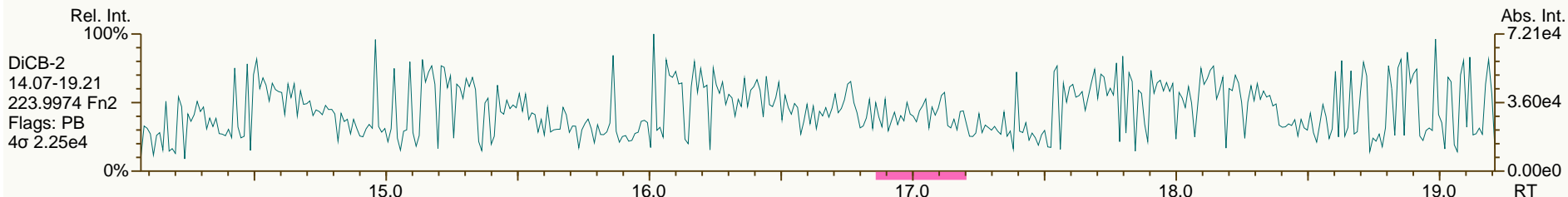
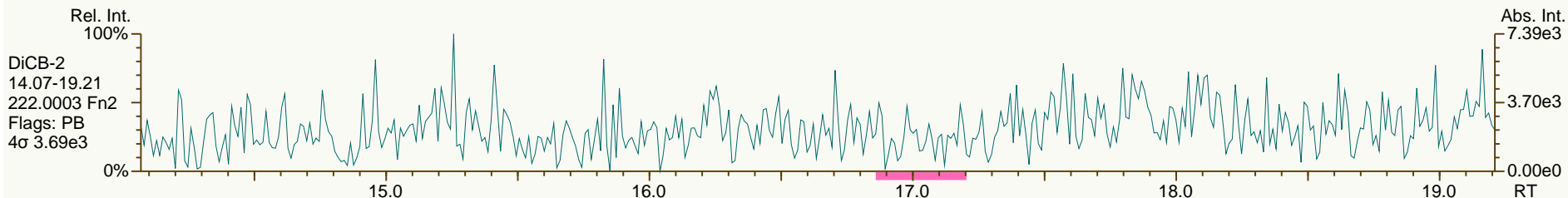
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

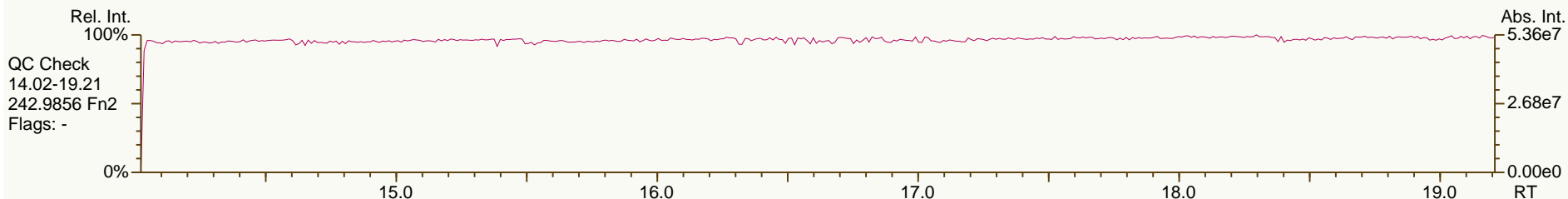
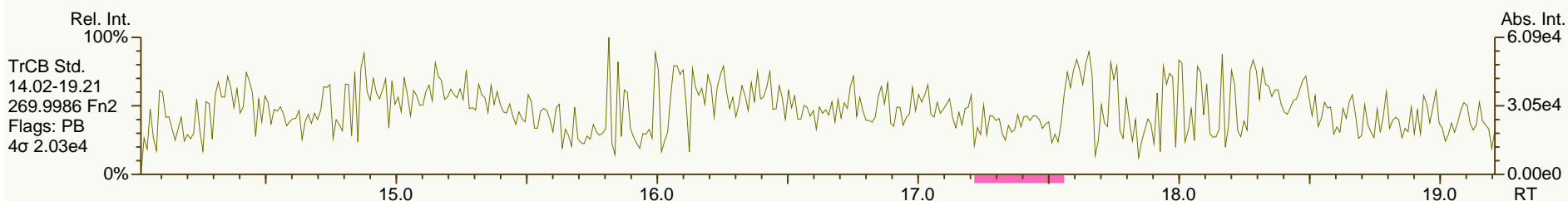
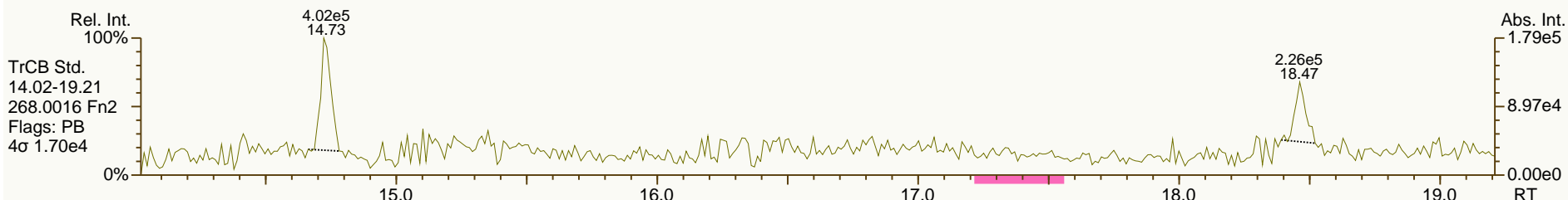
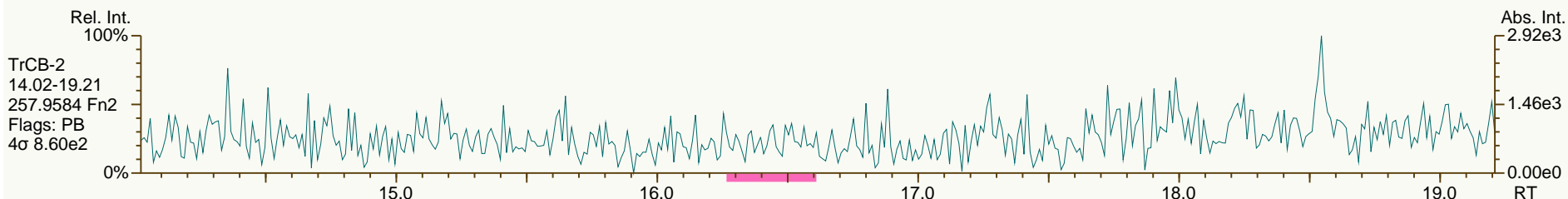
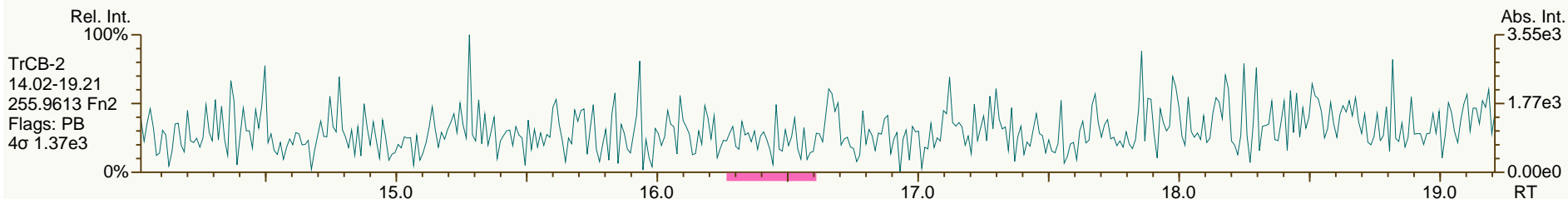
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

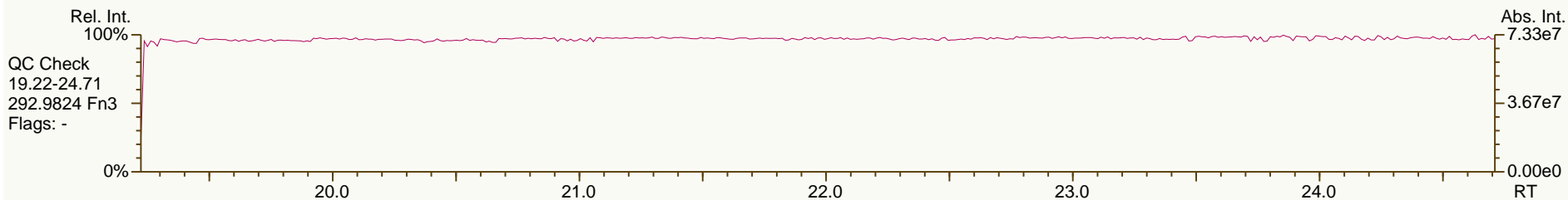
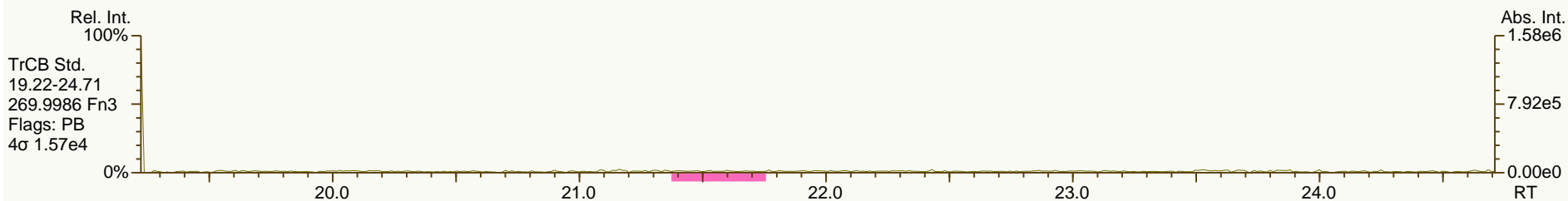
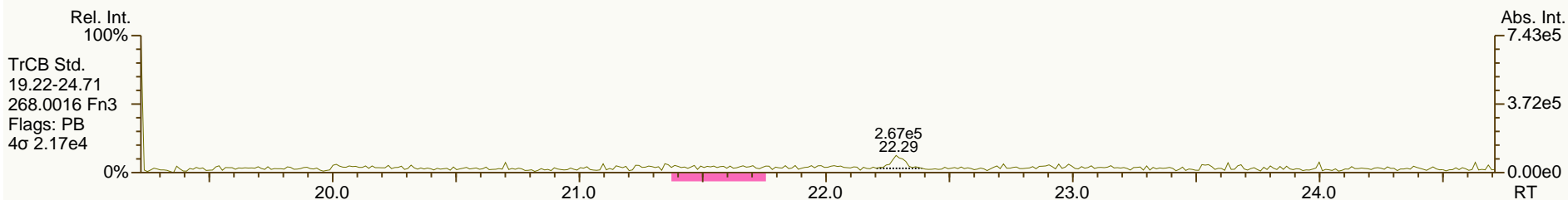
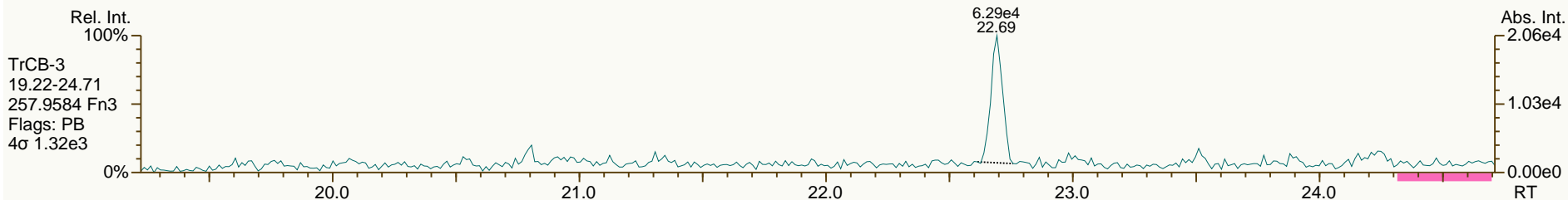
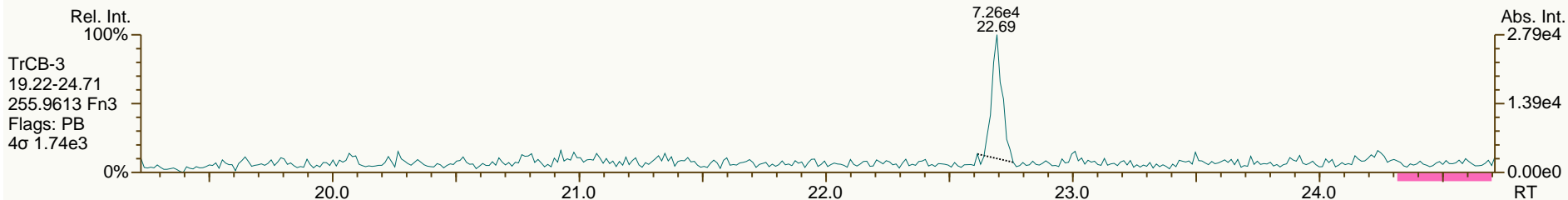
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

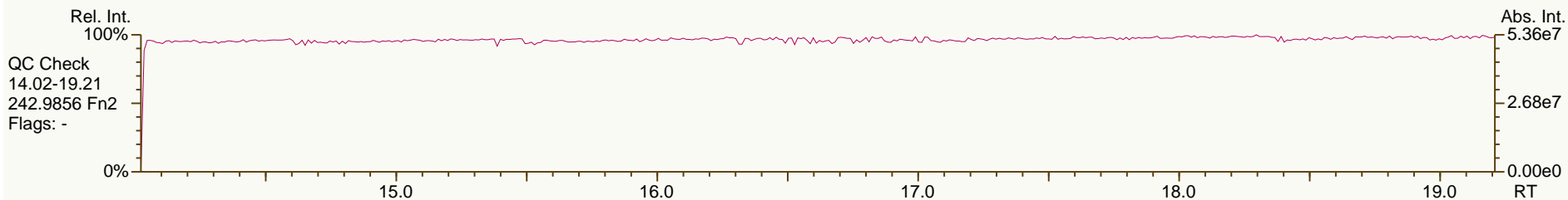
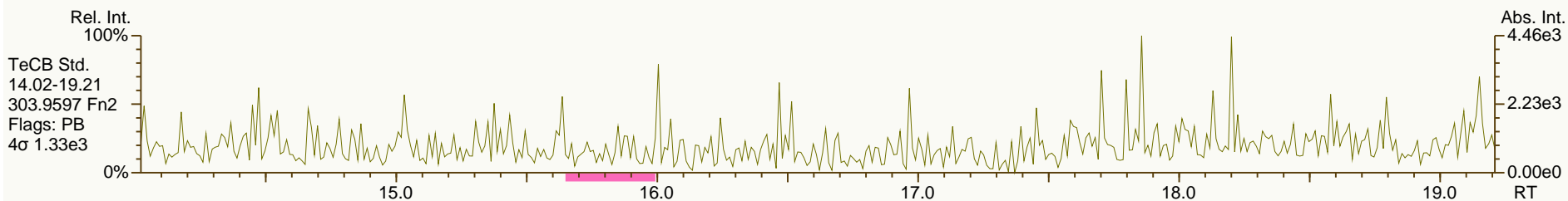
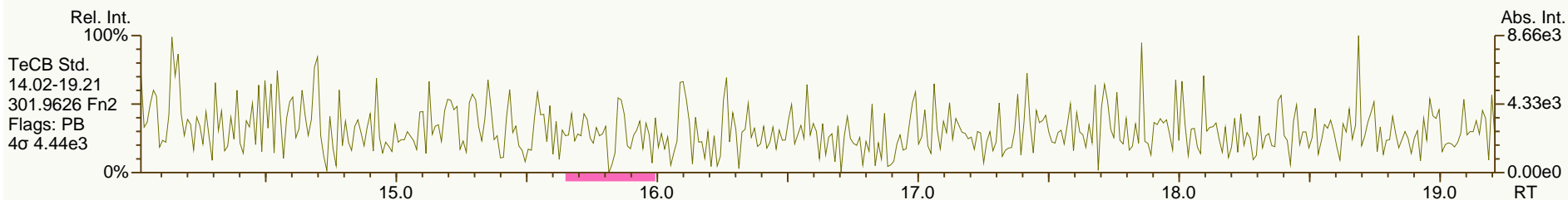
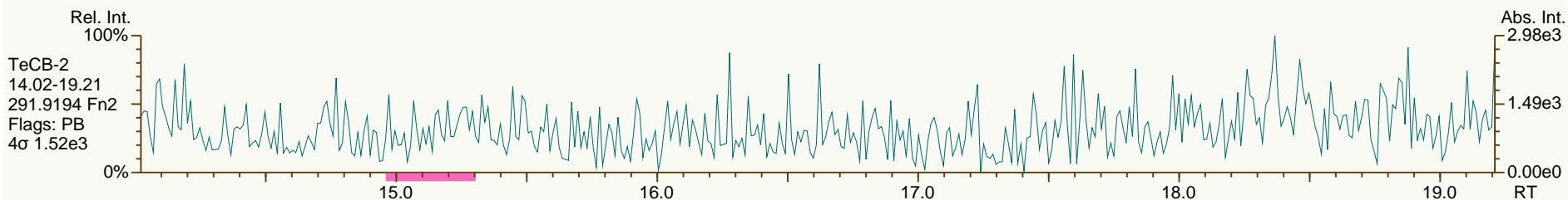
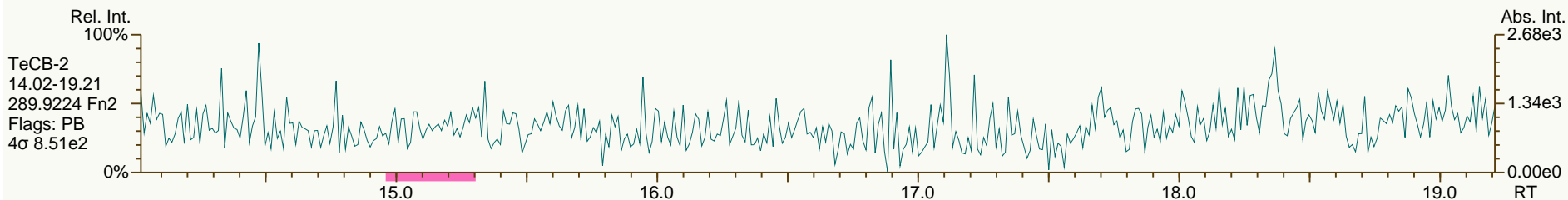
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

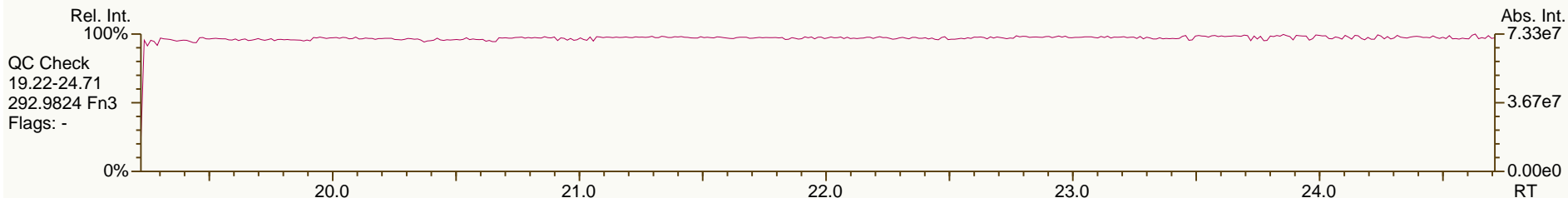
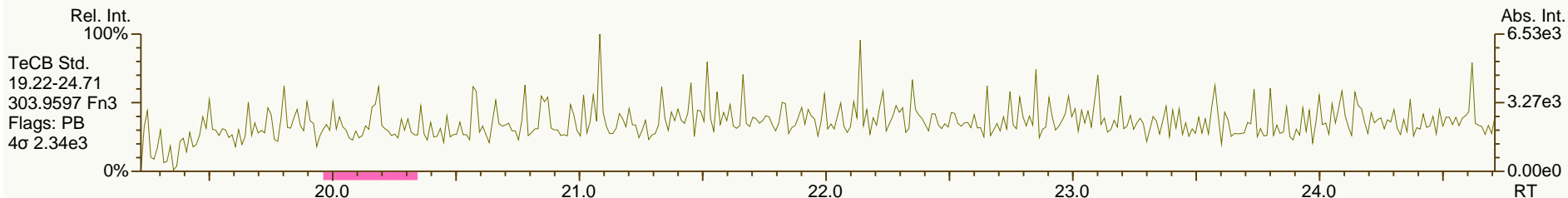
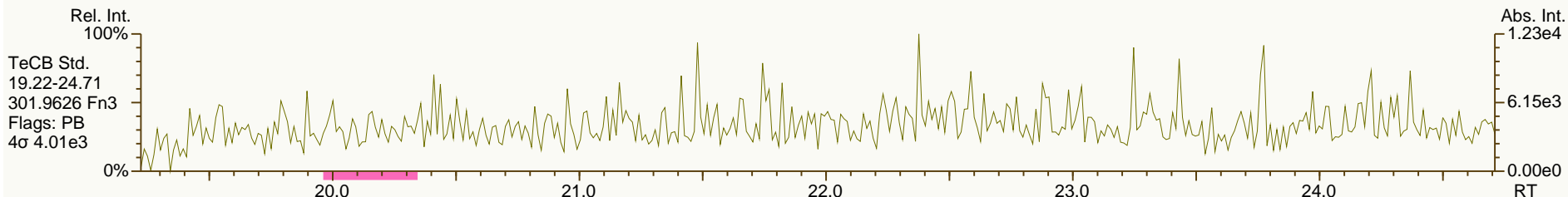
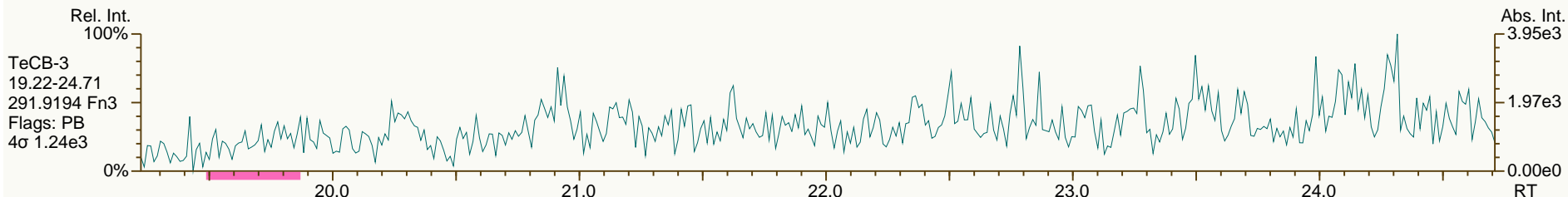
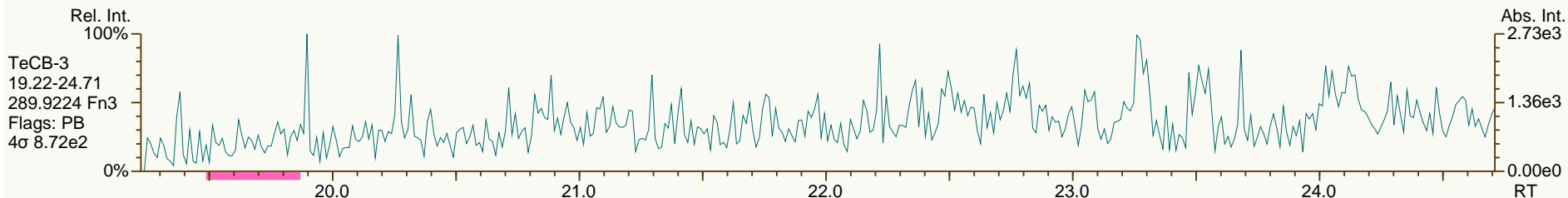
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

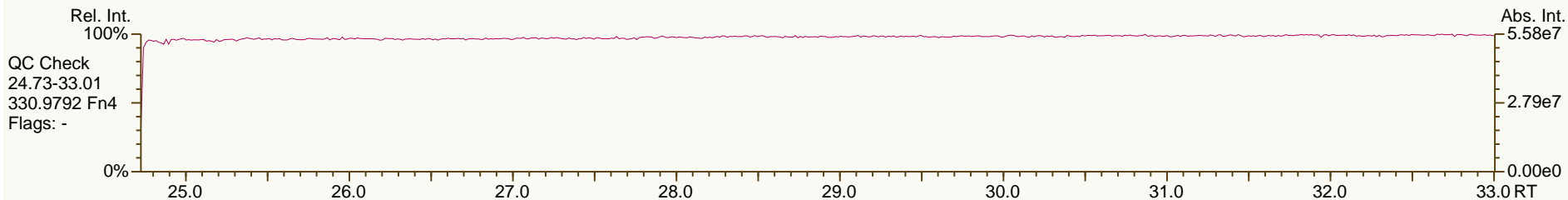
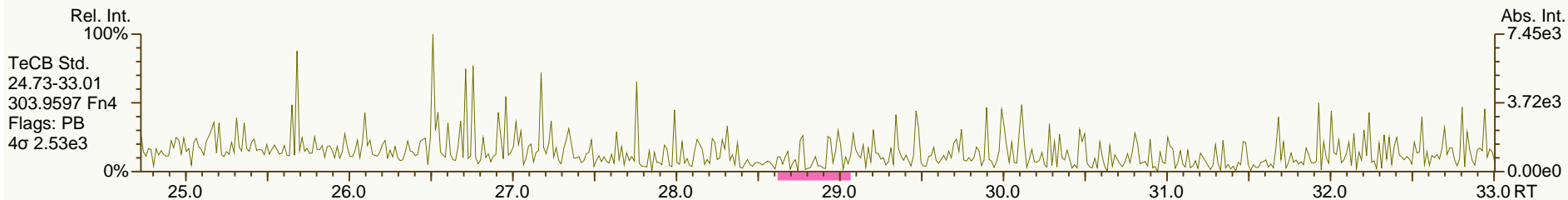
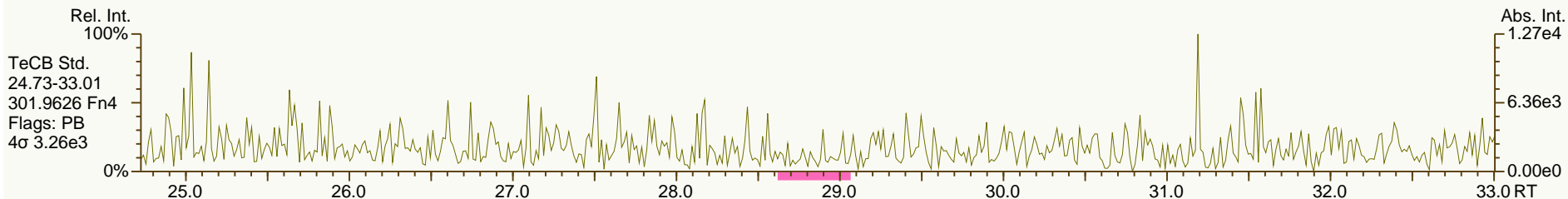
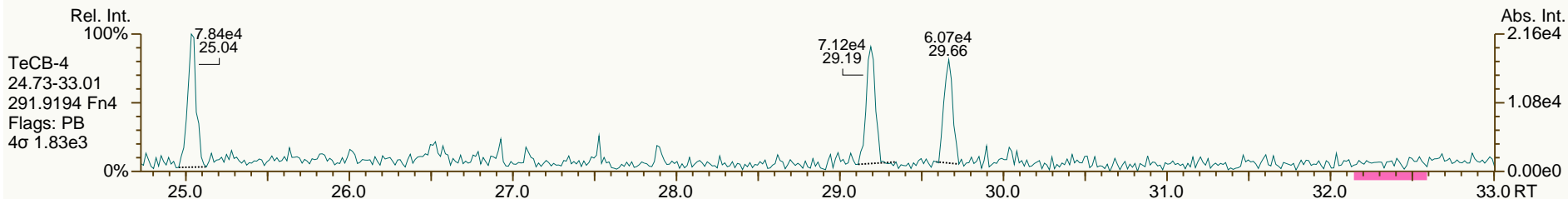
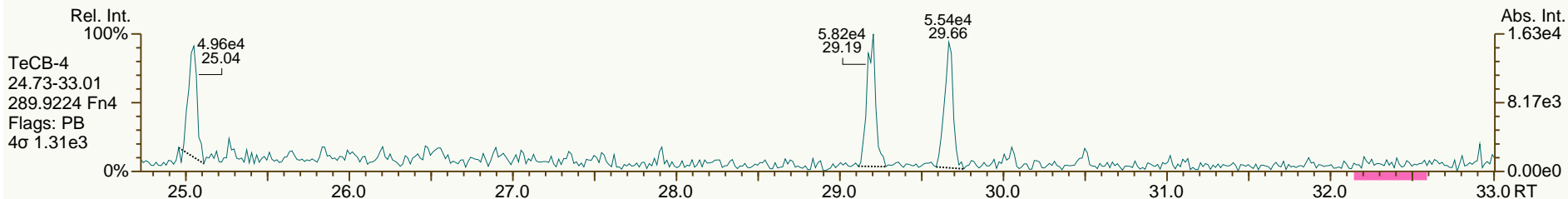
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

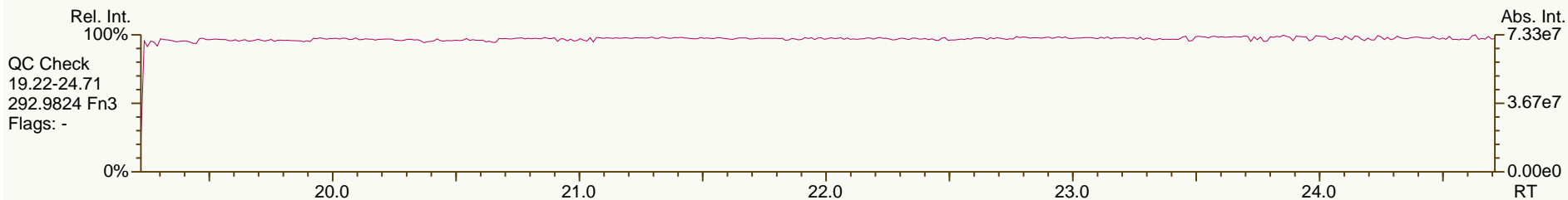
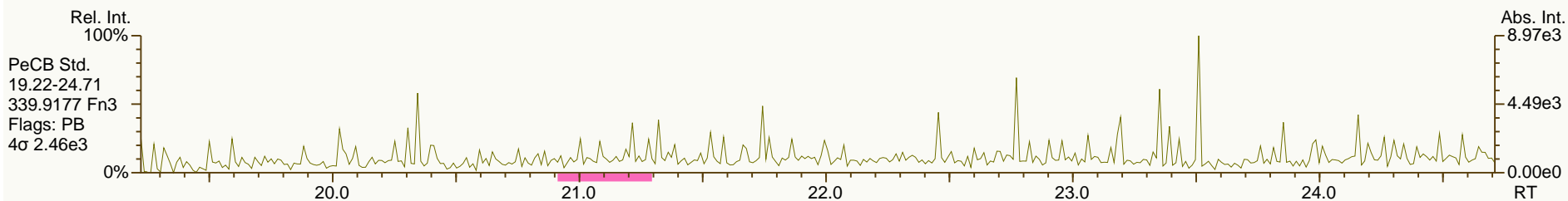
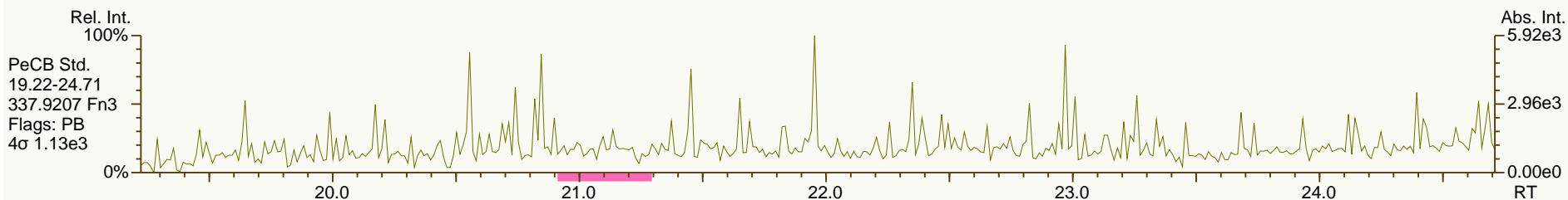
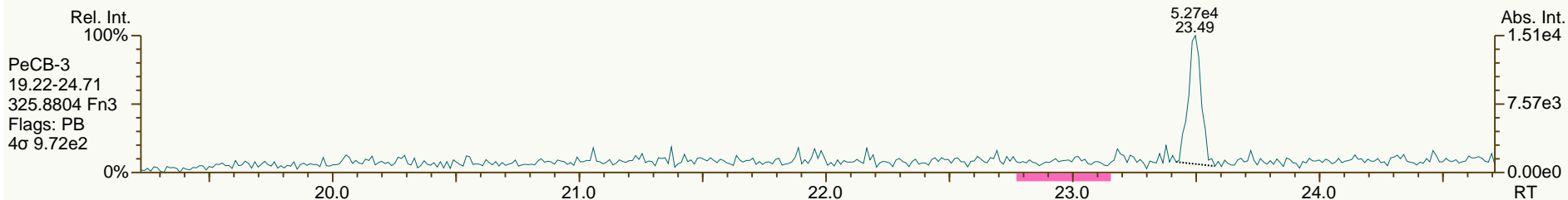
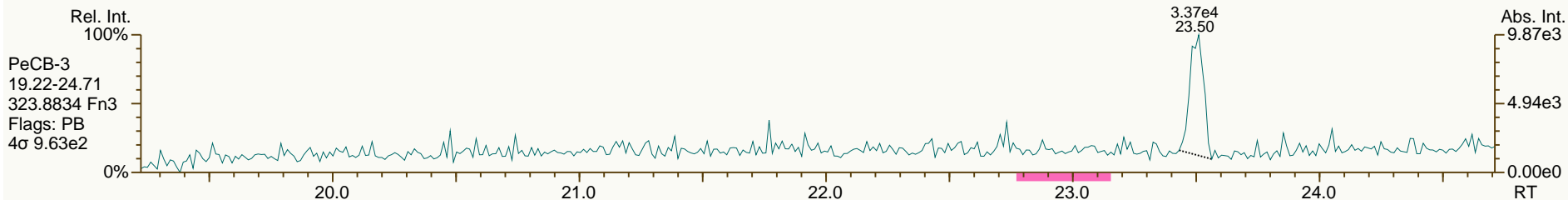
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

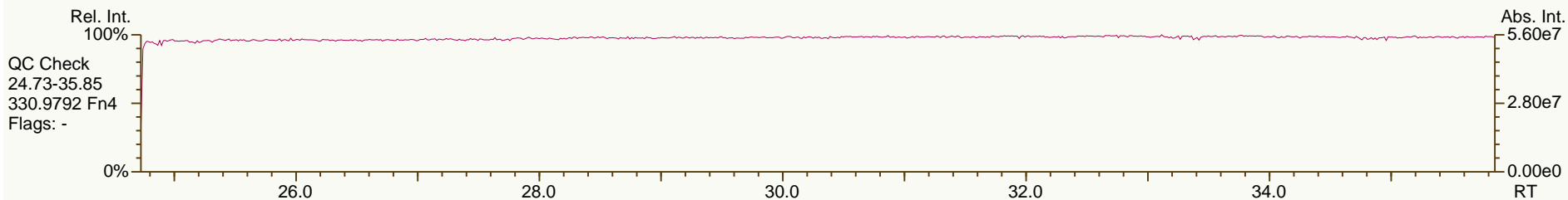
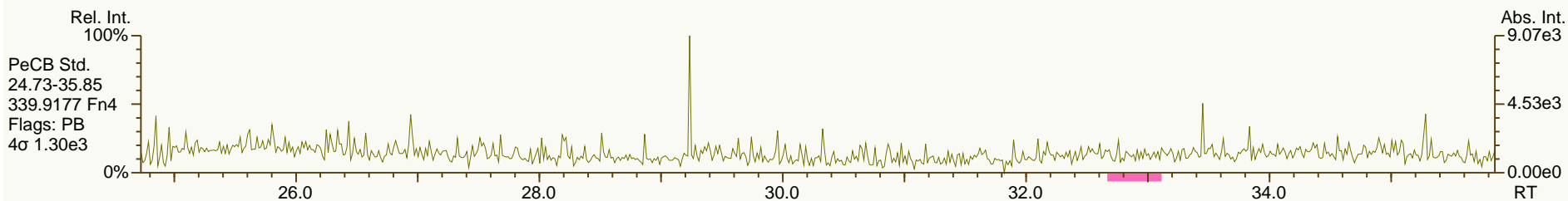
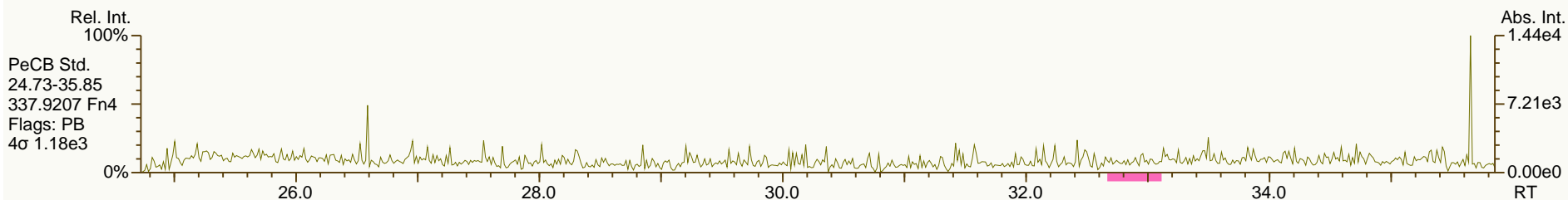
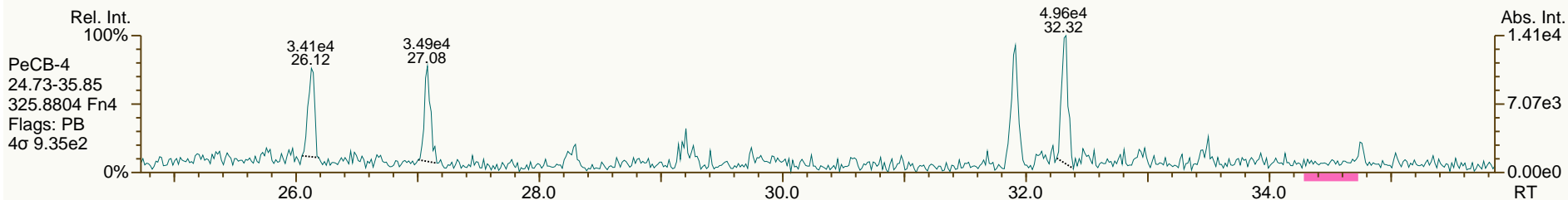
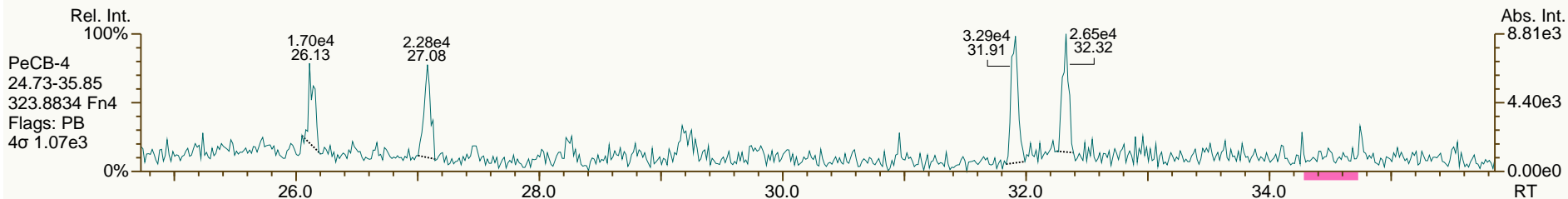
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

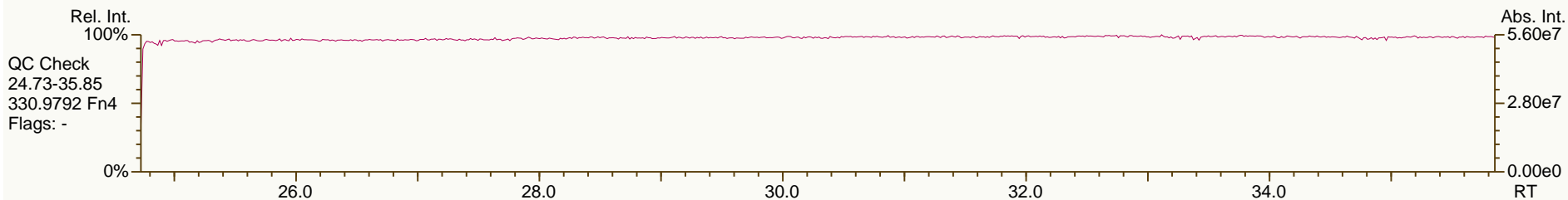
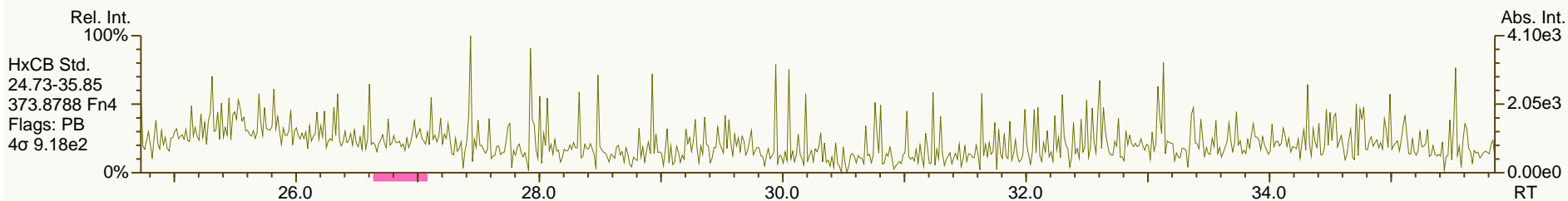
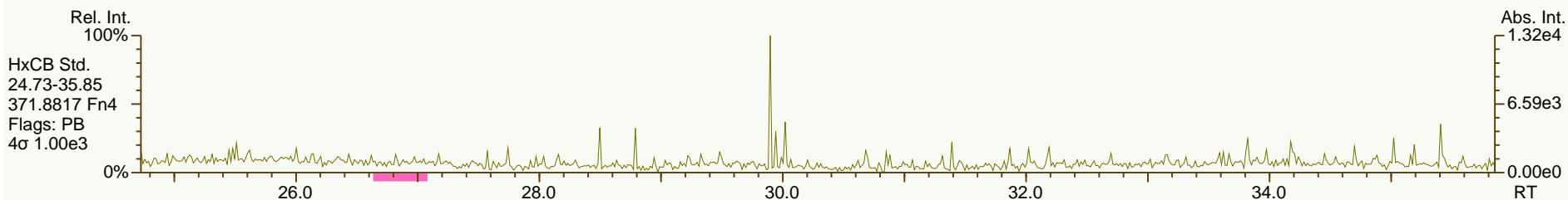
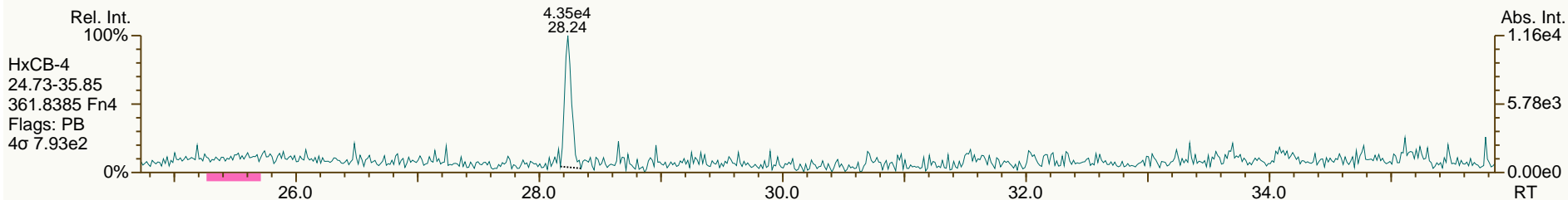
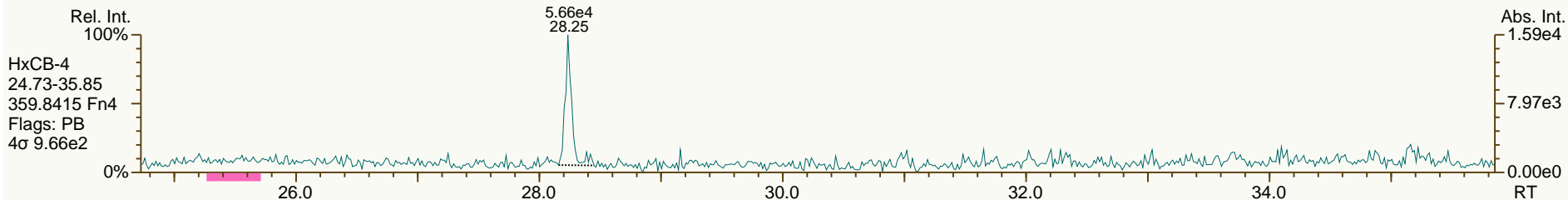
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

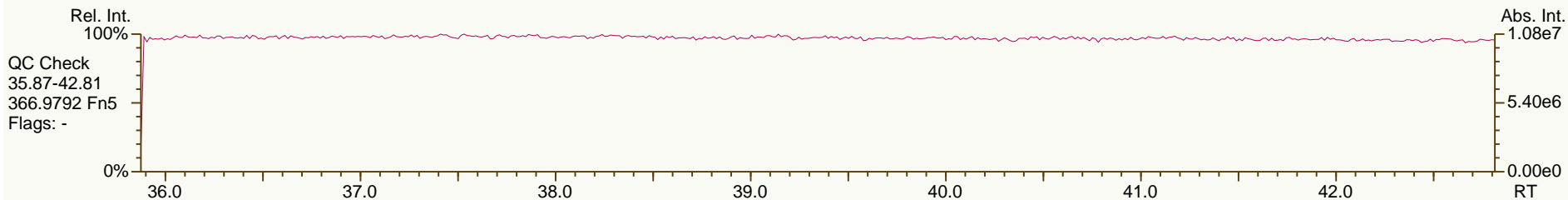
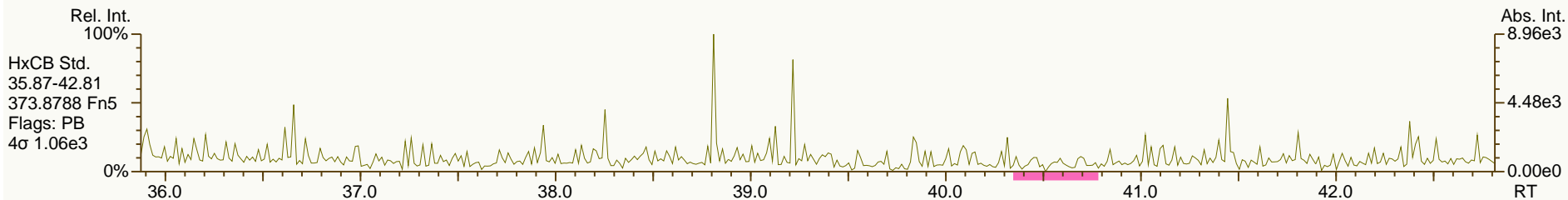
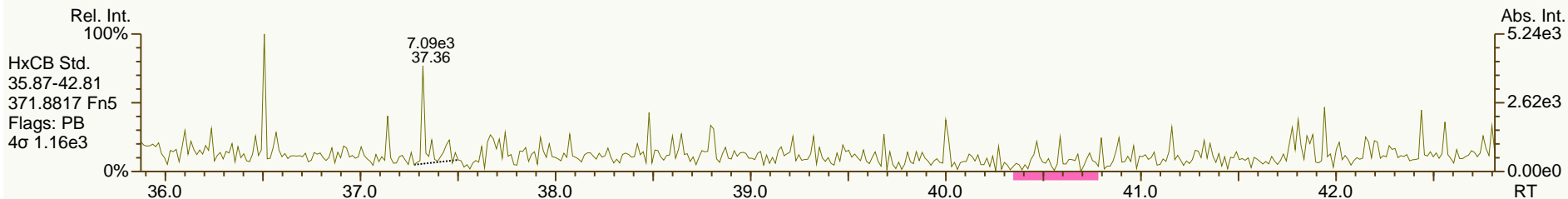
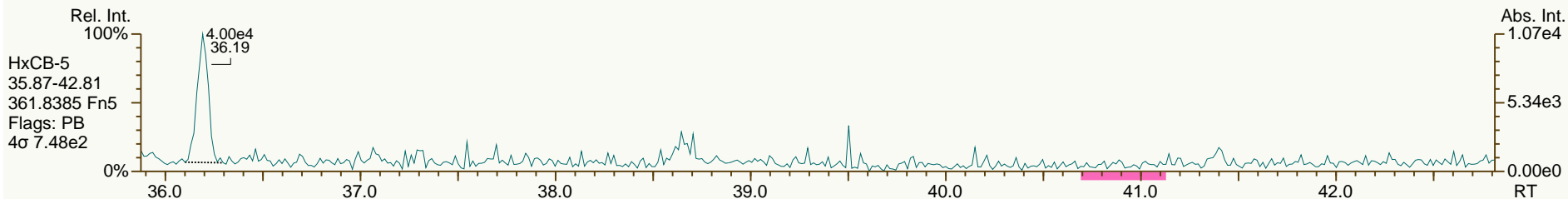
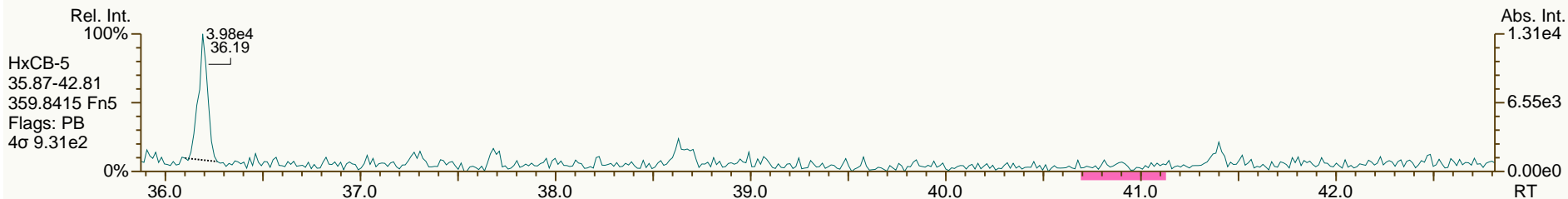
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

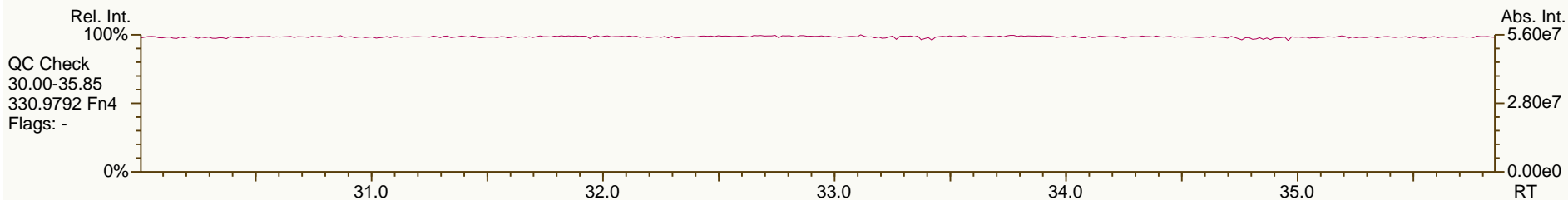
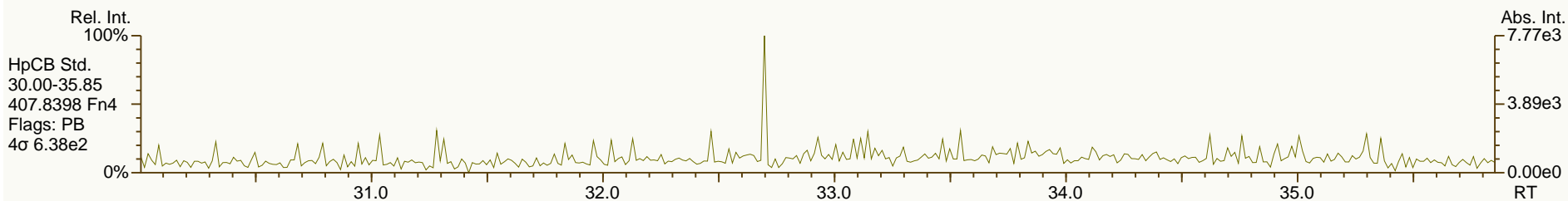
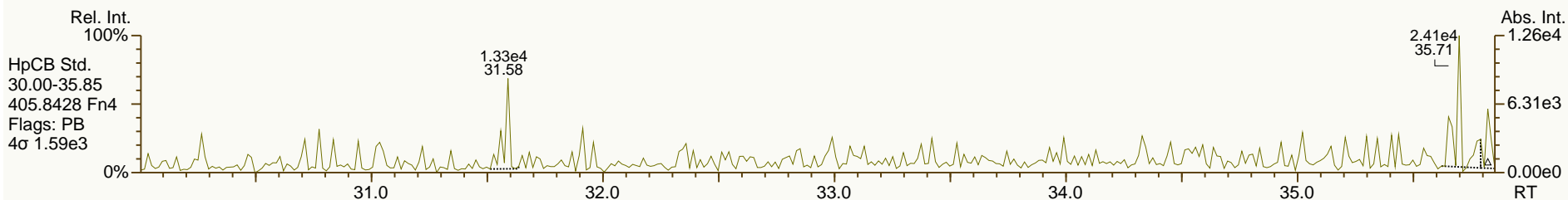
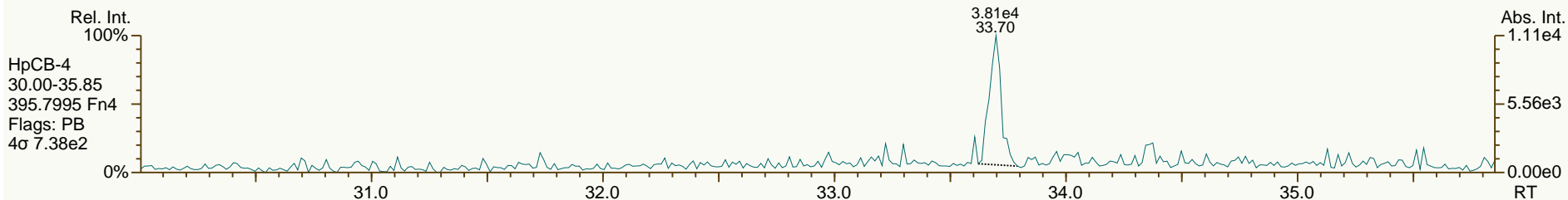
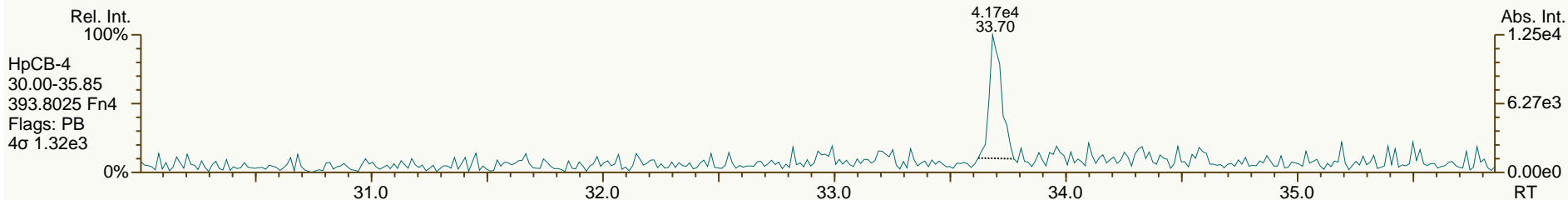
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

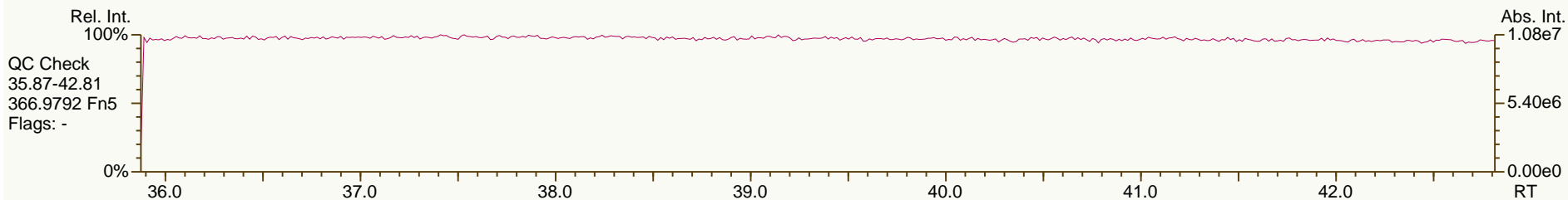
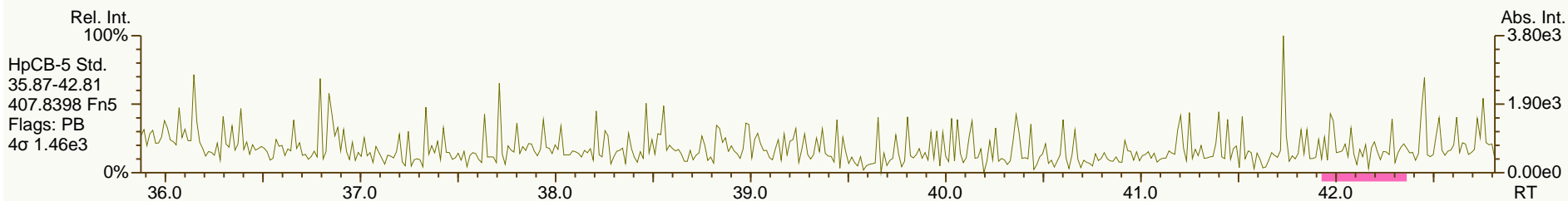
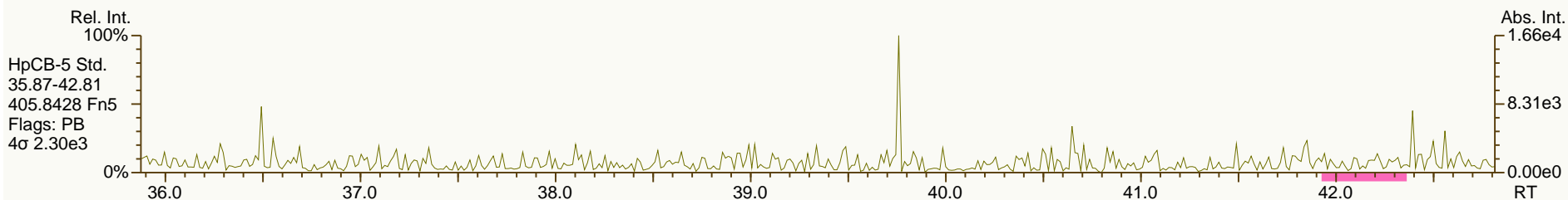
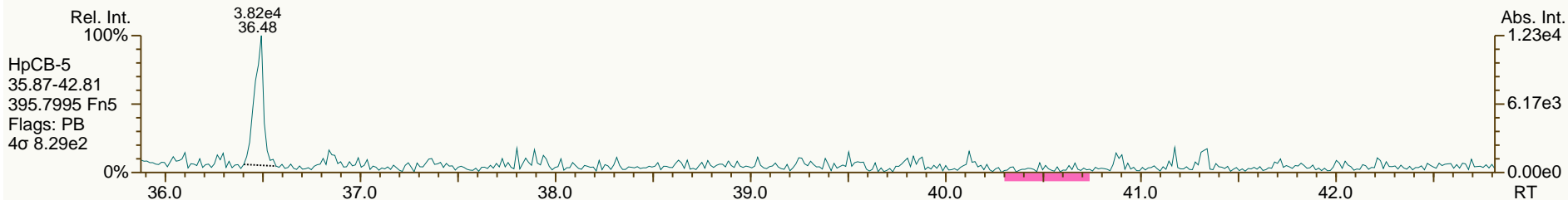
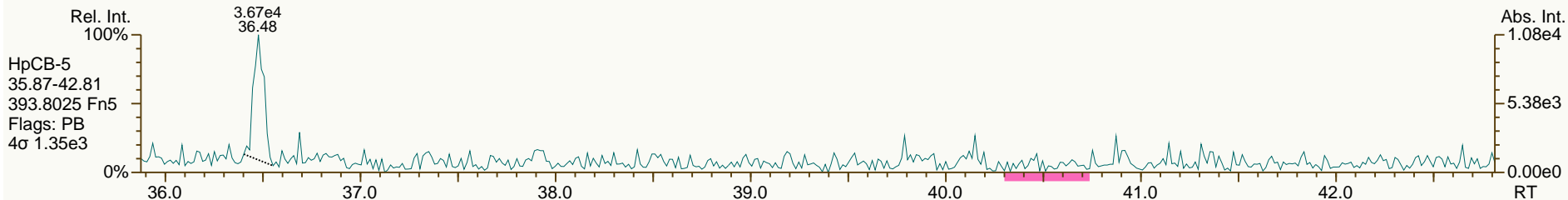
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

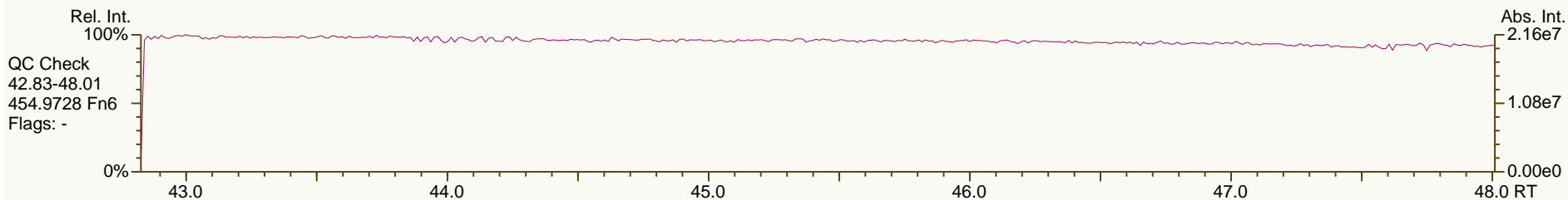
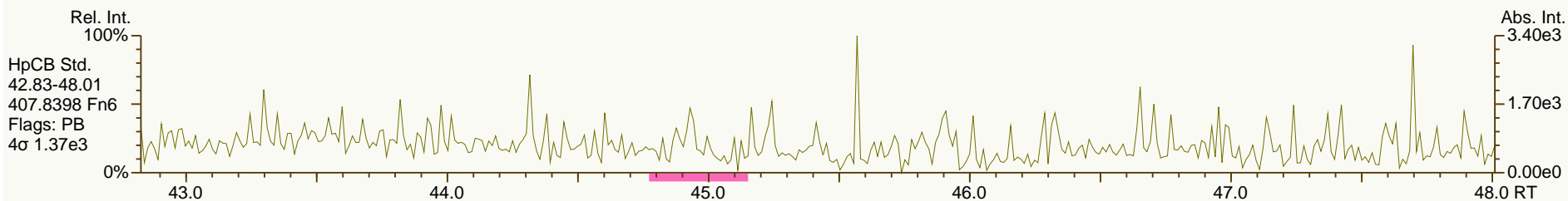
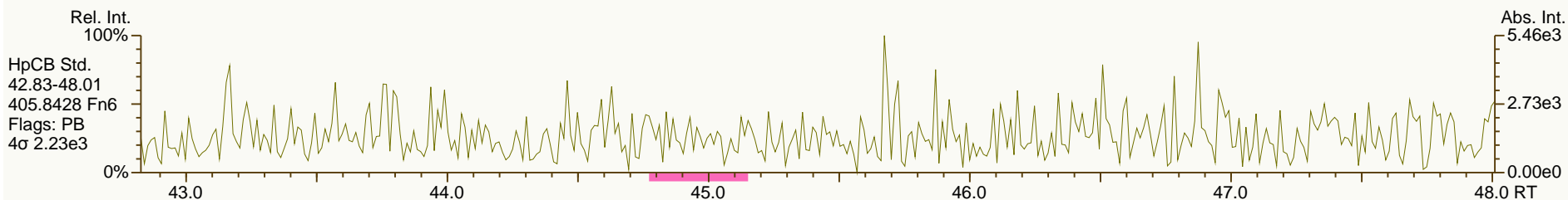
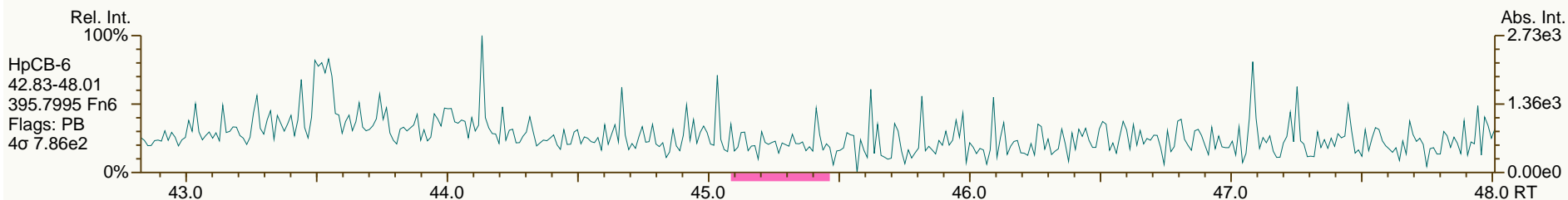
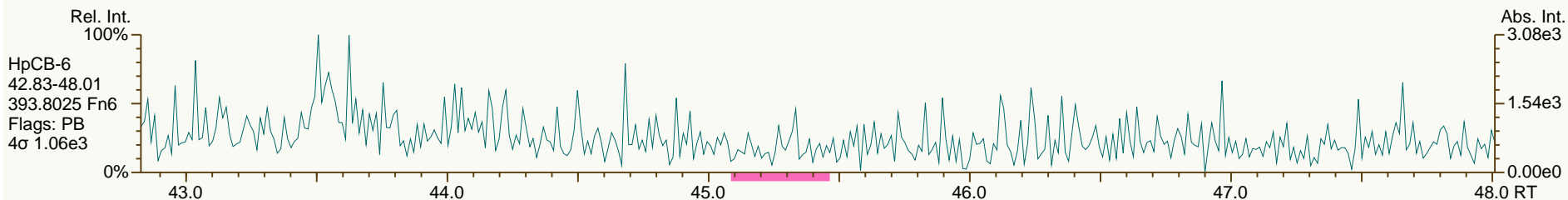
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

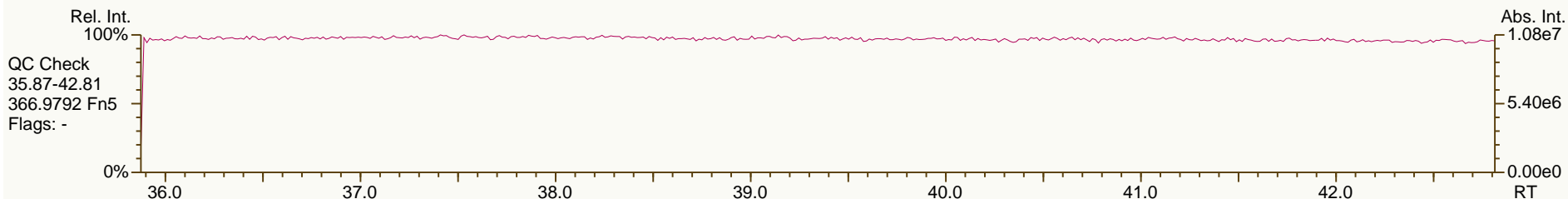
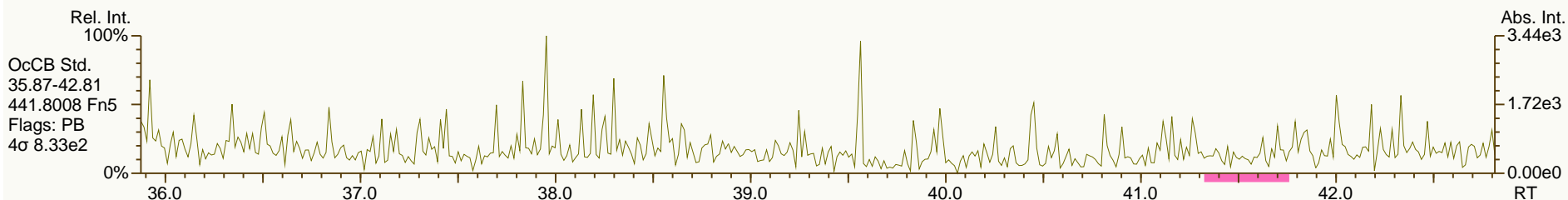
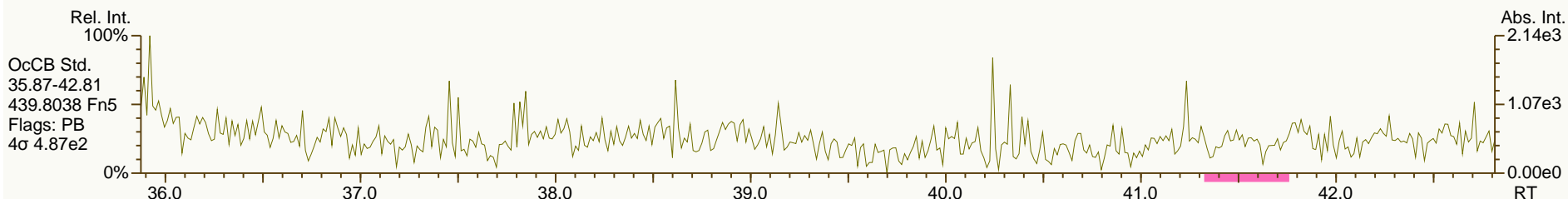
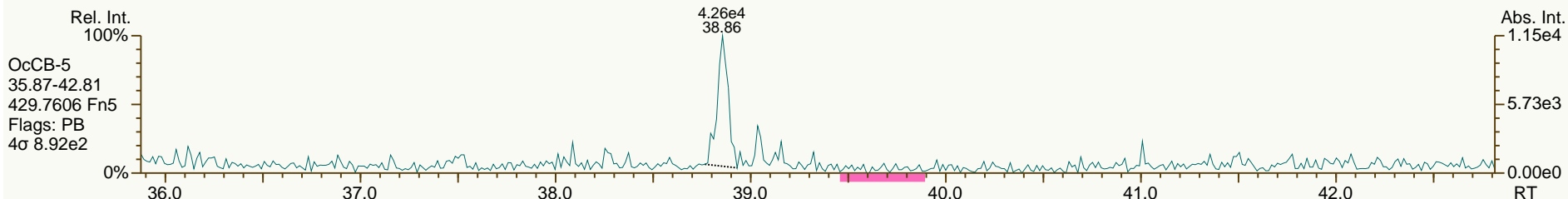
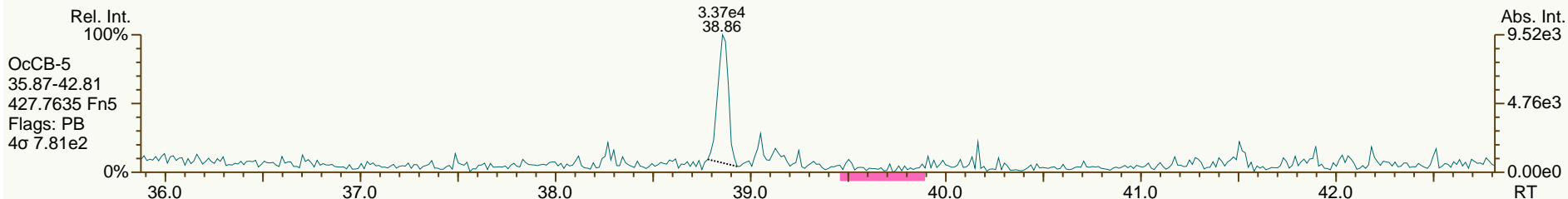
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

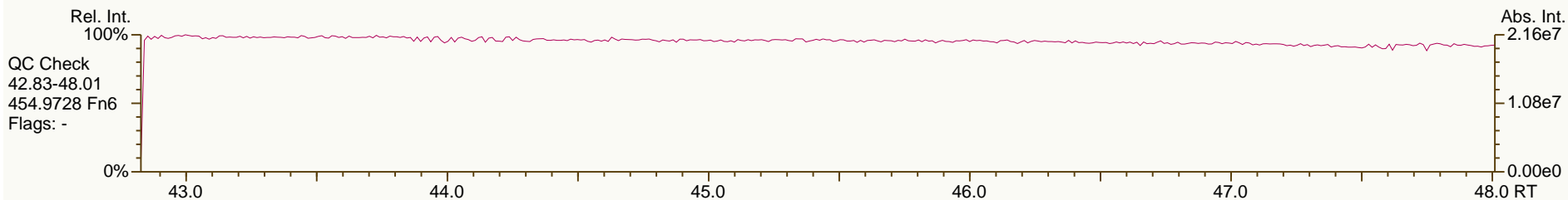
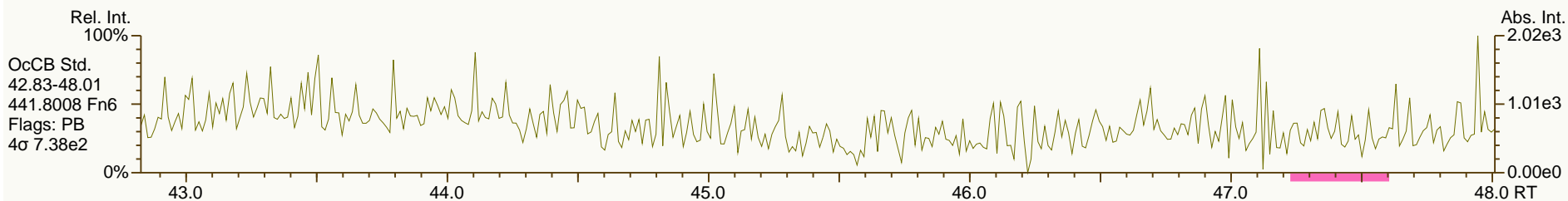
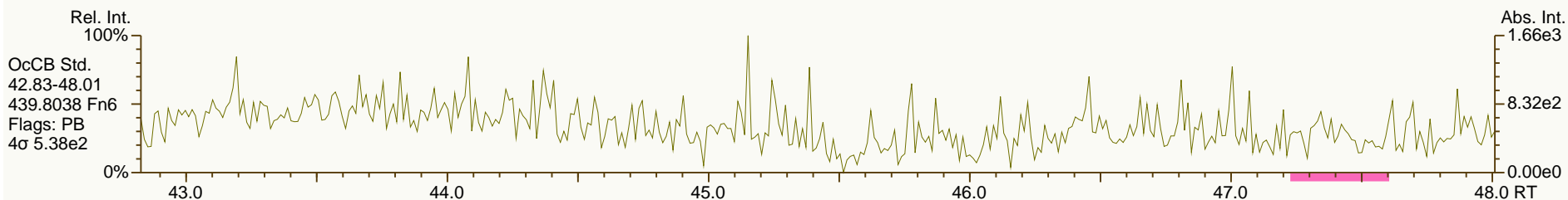
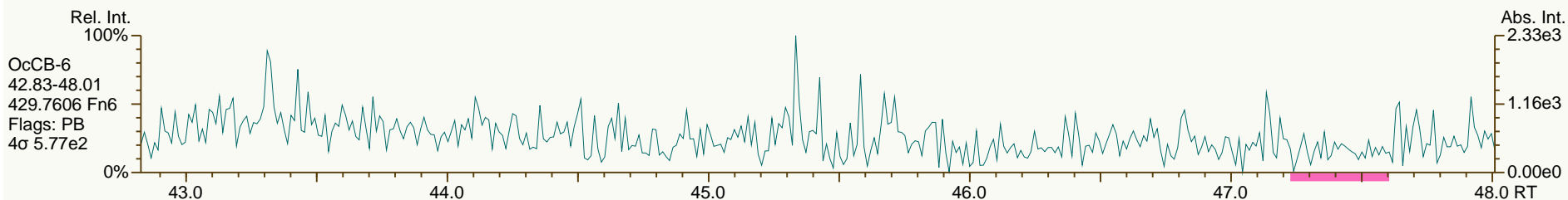
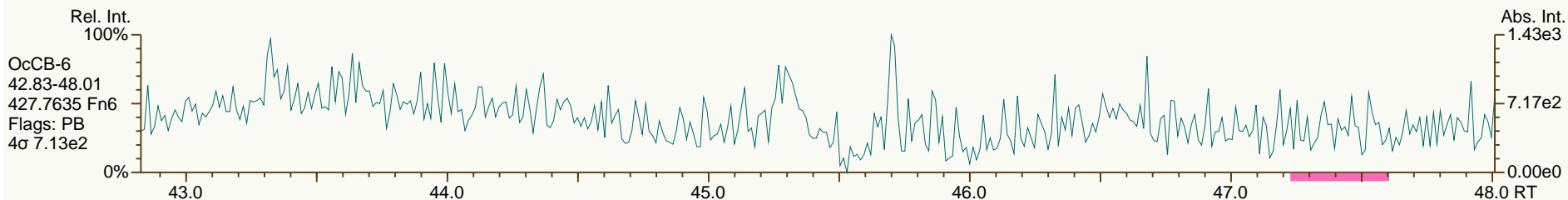
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

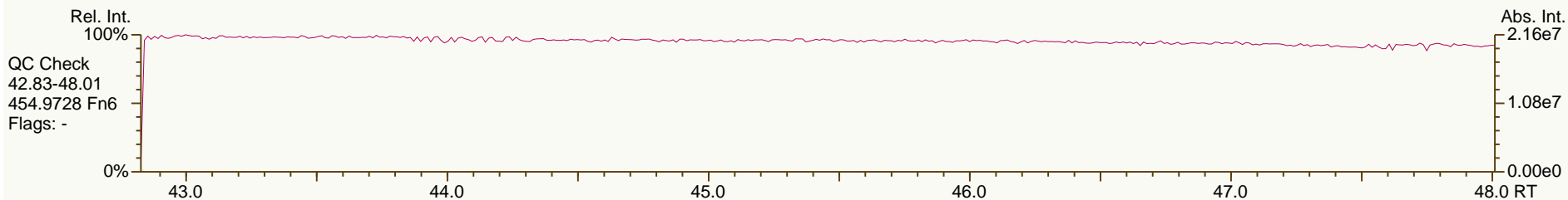
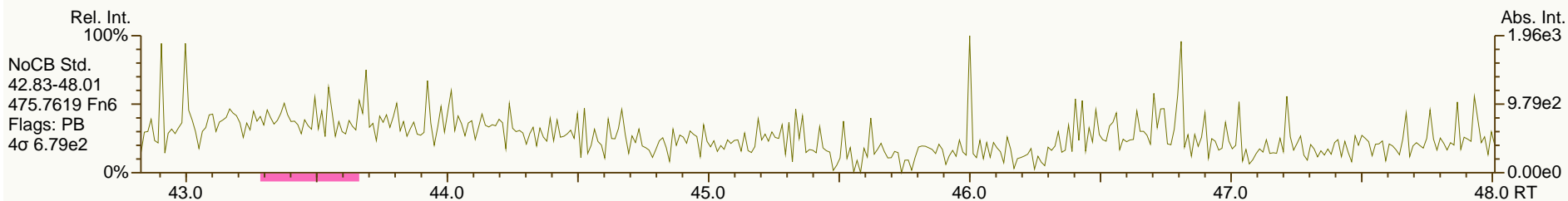
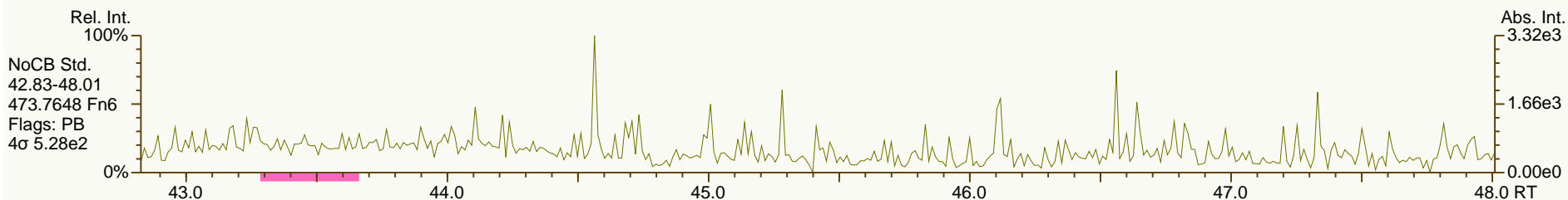
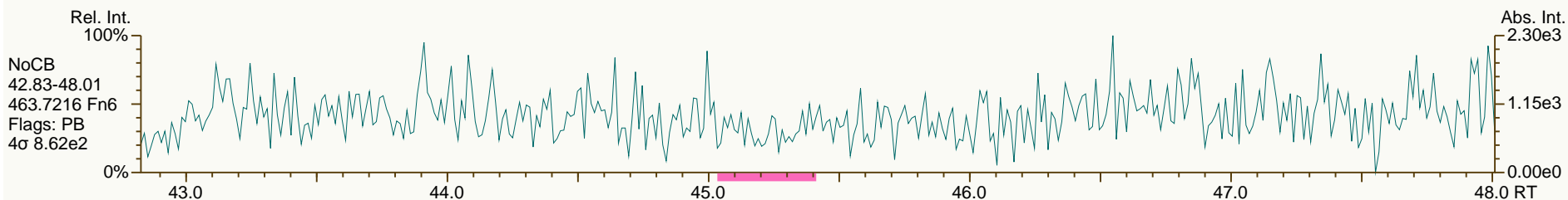
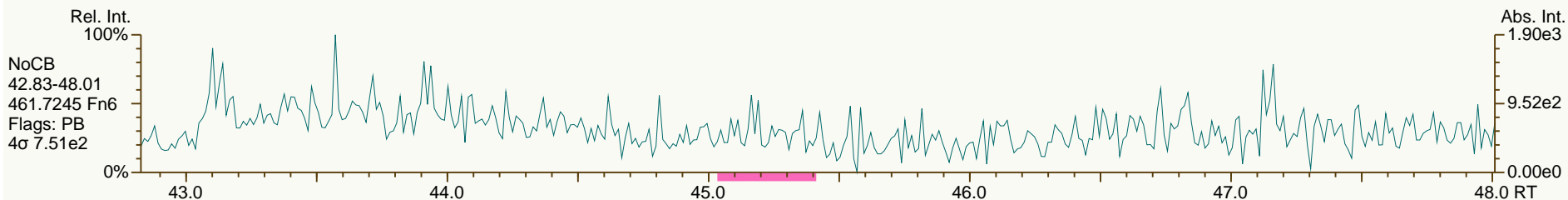
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

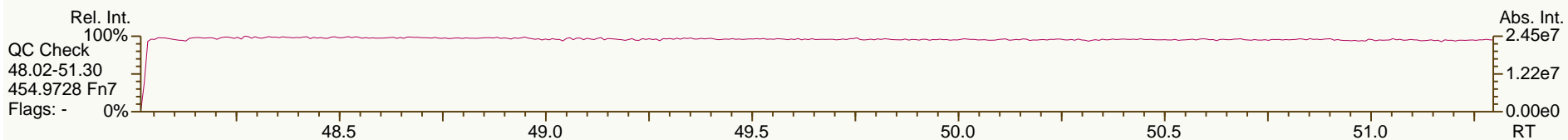
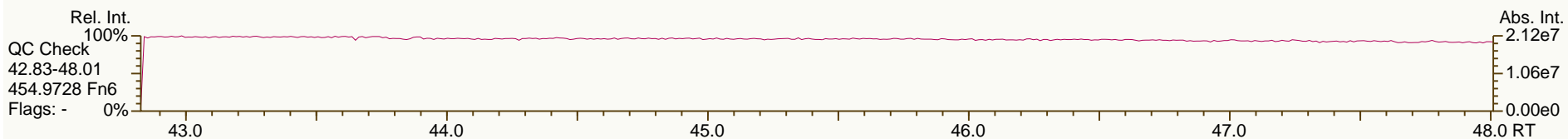
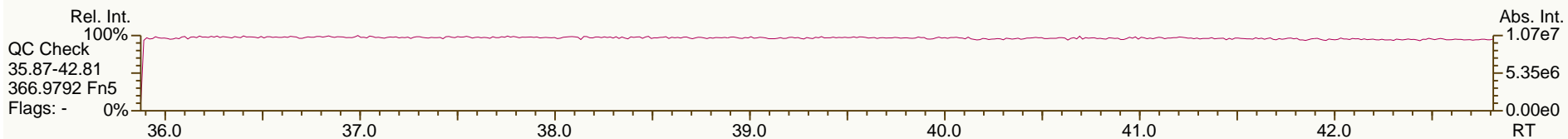
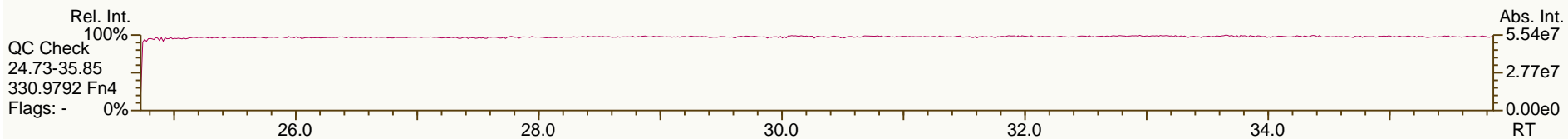
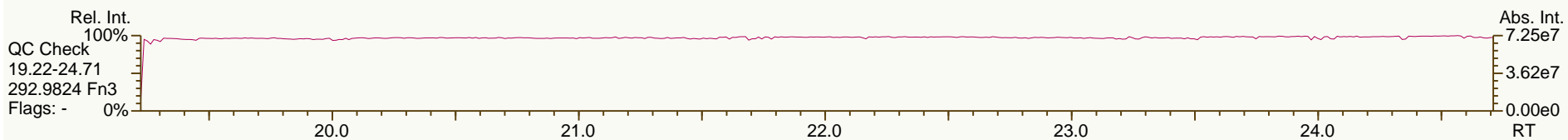
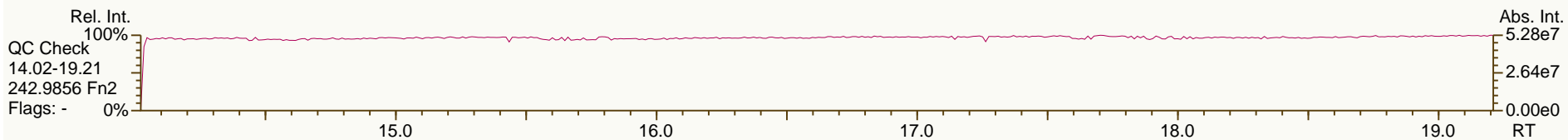
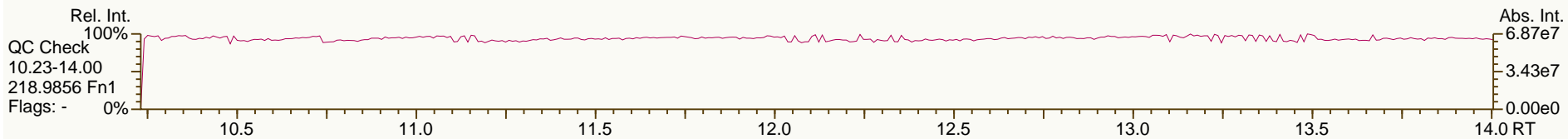
Acq: 26-Jan-2012 22:45:51
 User: CTW Datafile: 120126S10



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

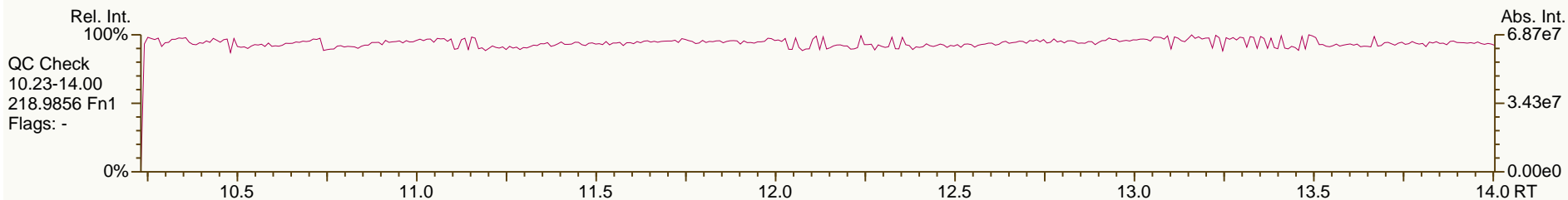
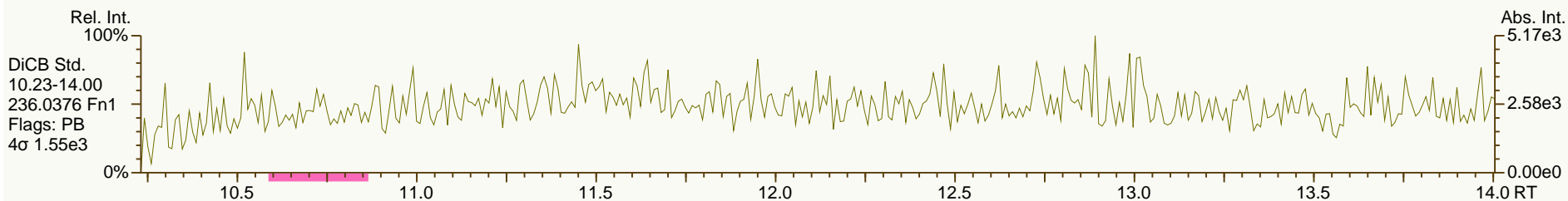
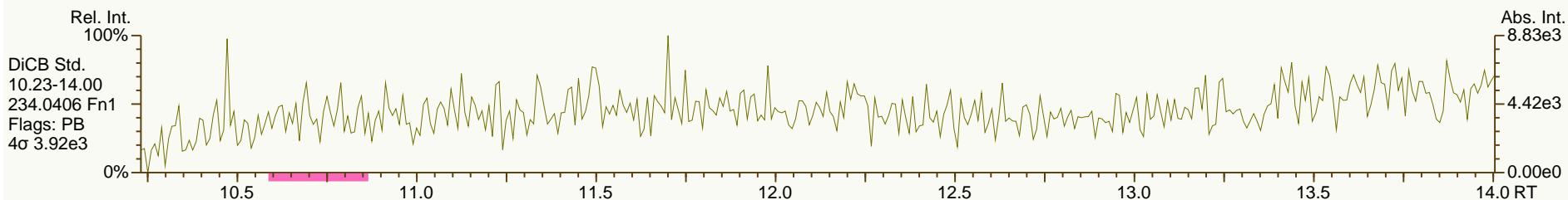
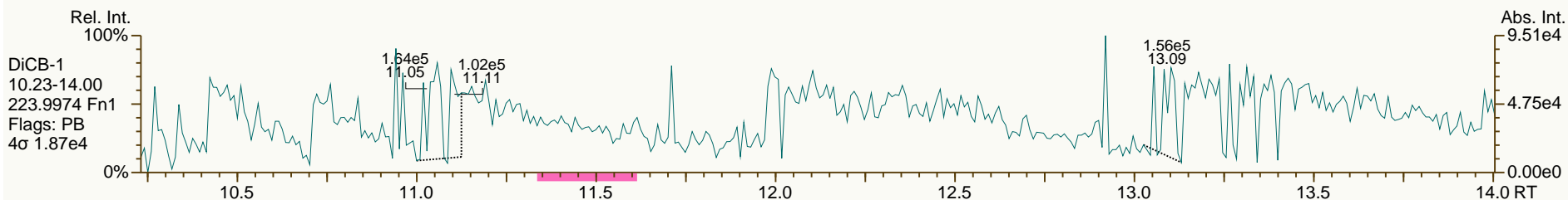
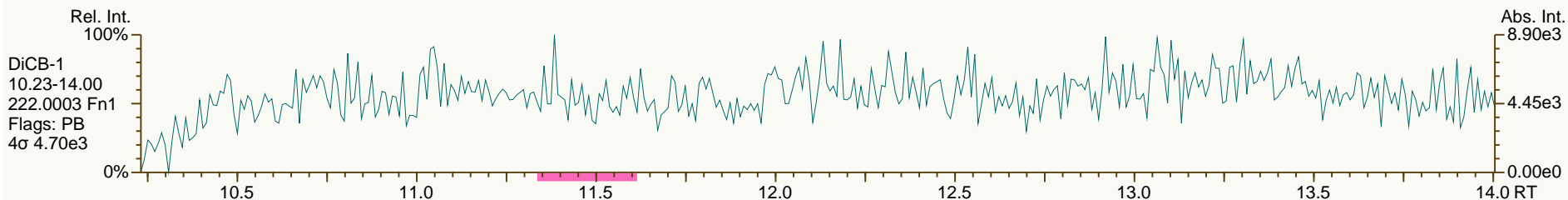
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

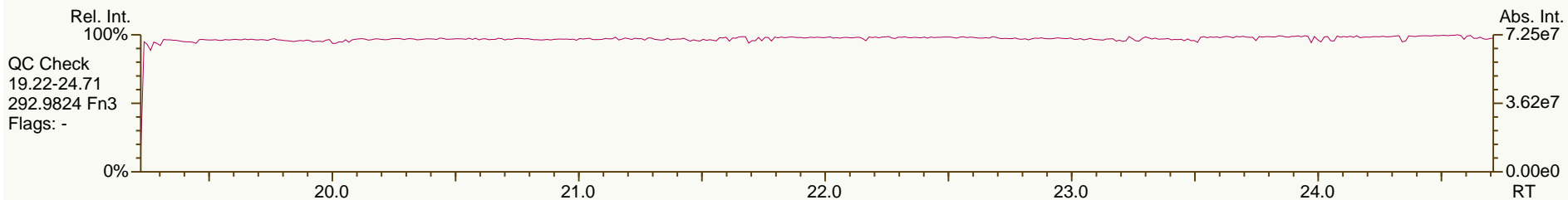
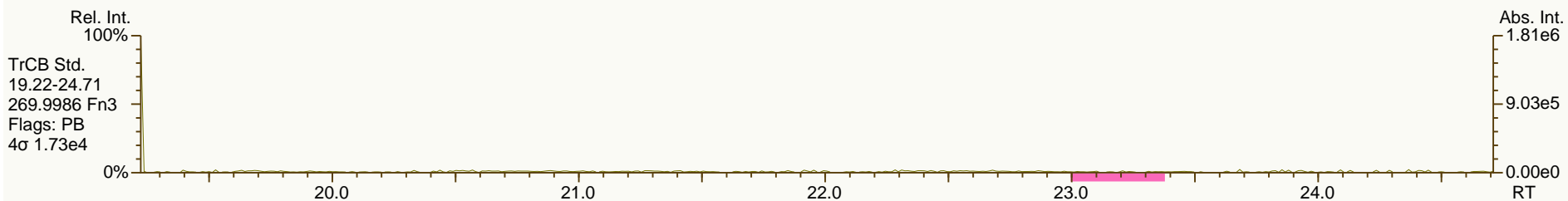
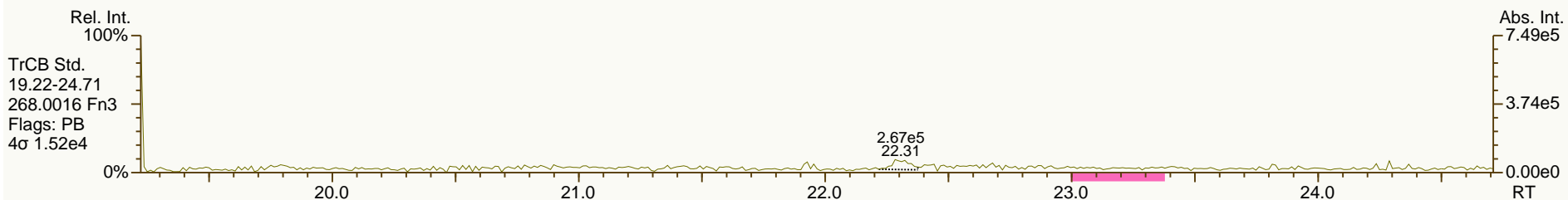
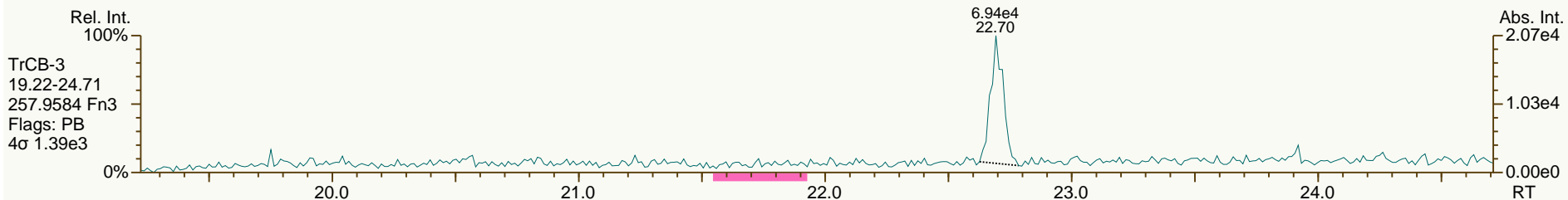
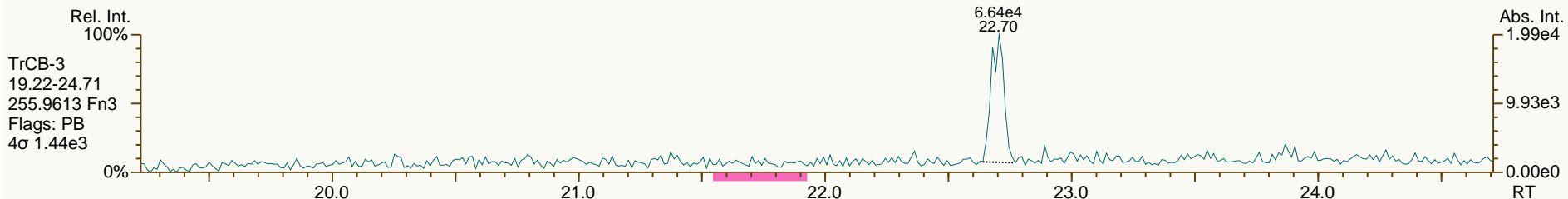
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

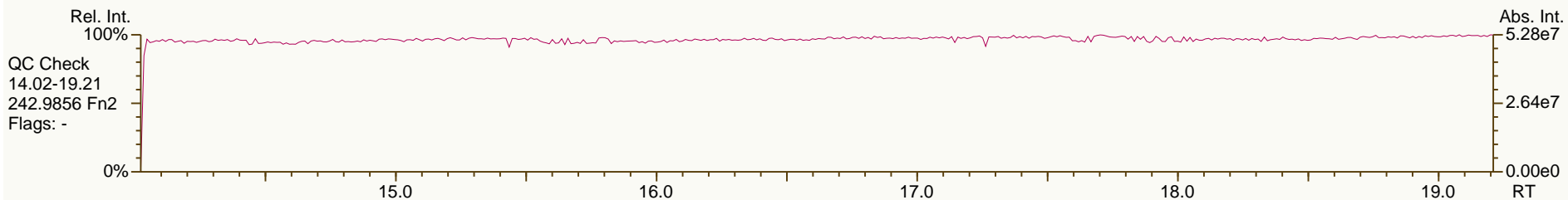
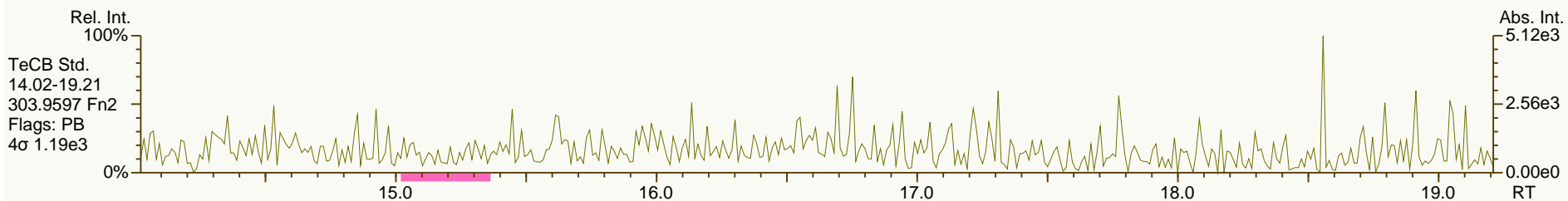
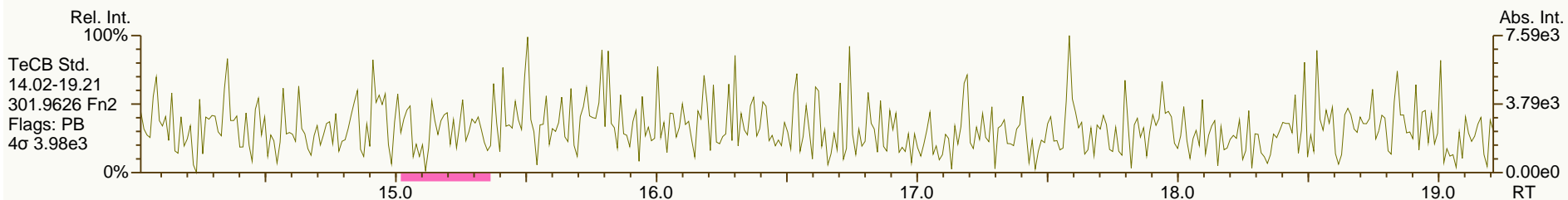
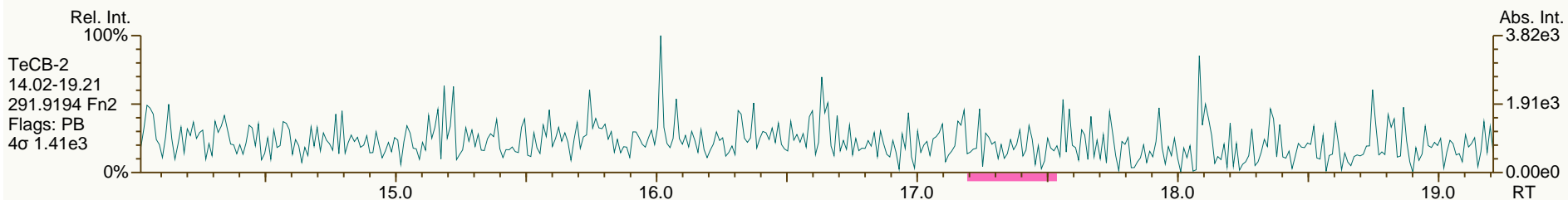
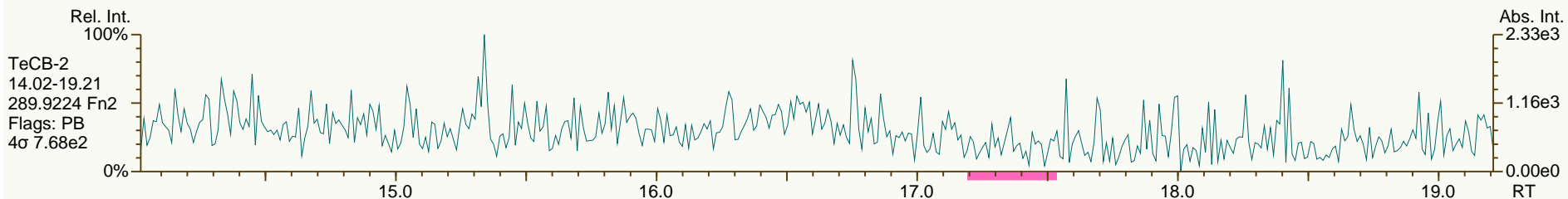
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

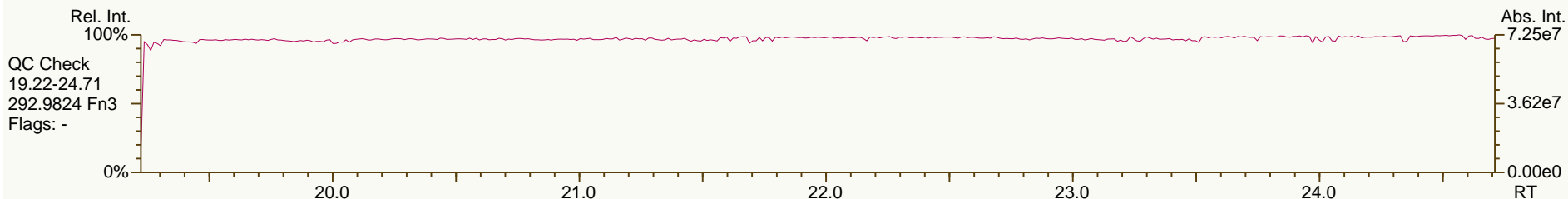
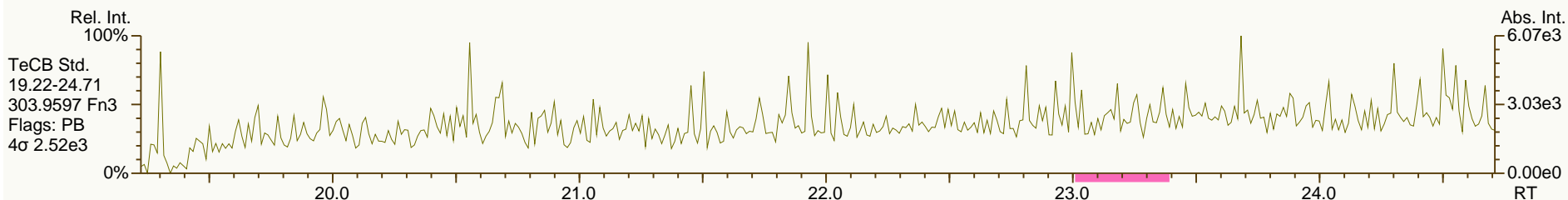
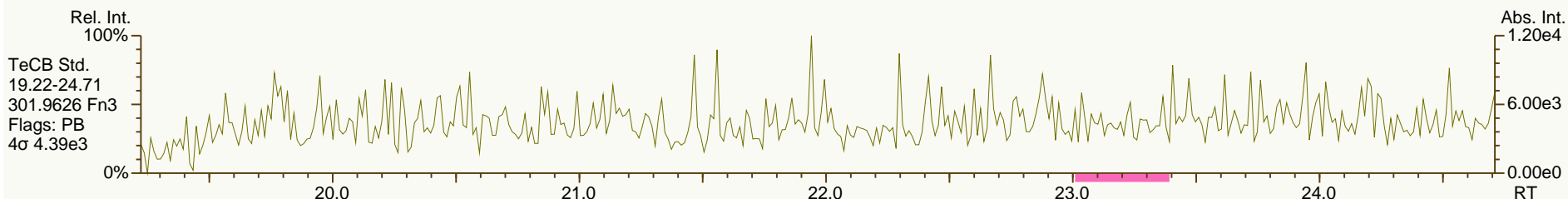
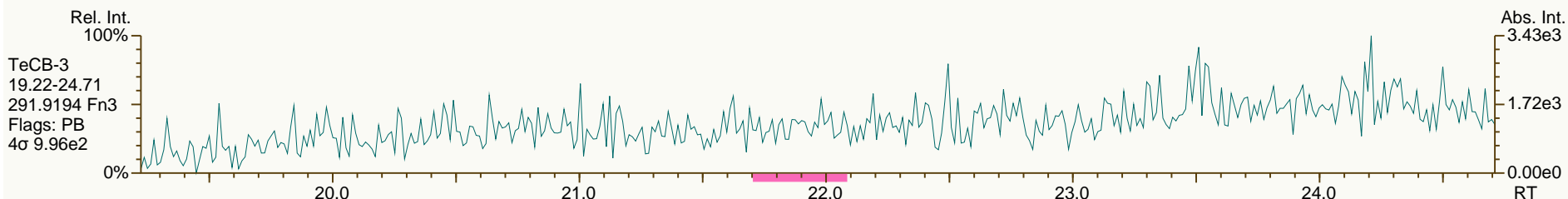
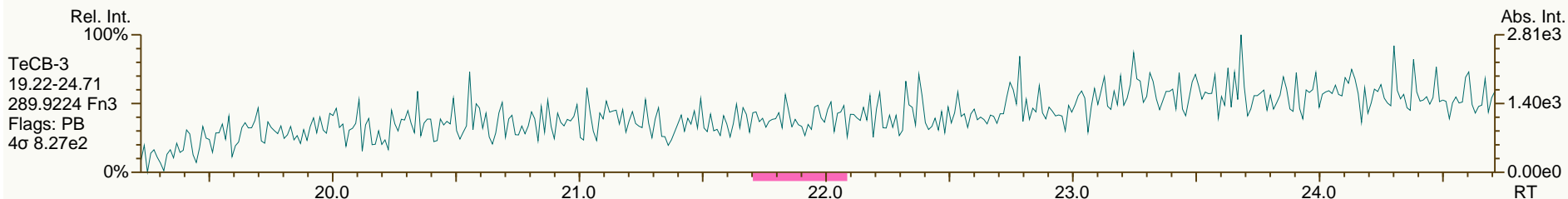
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

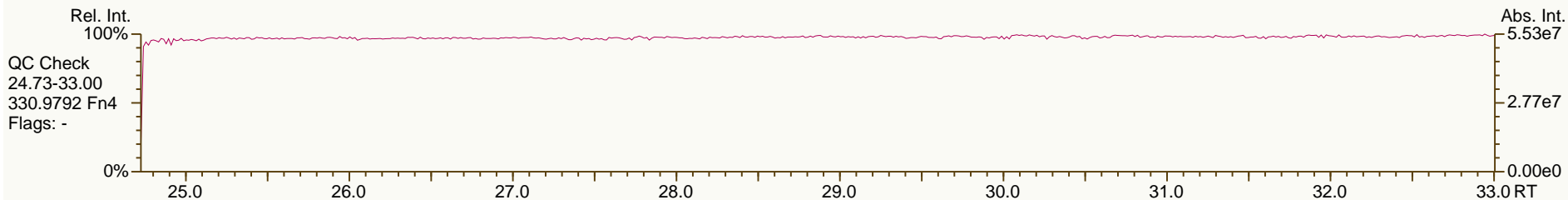
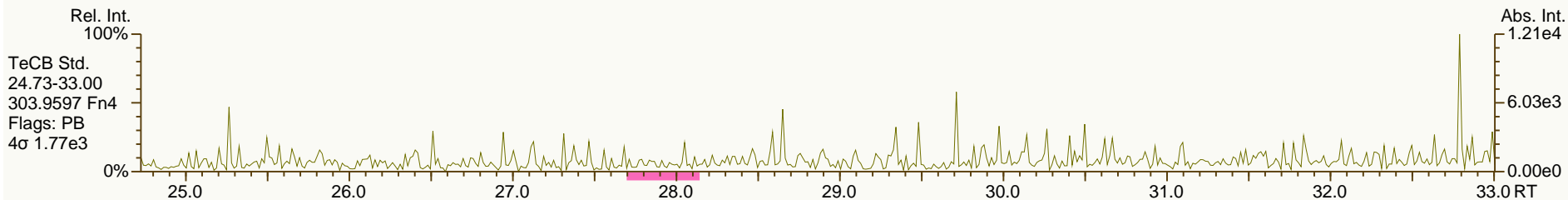
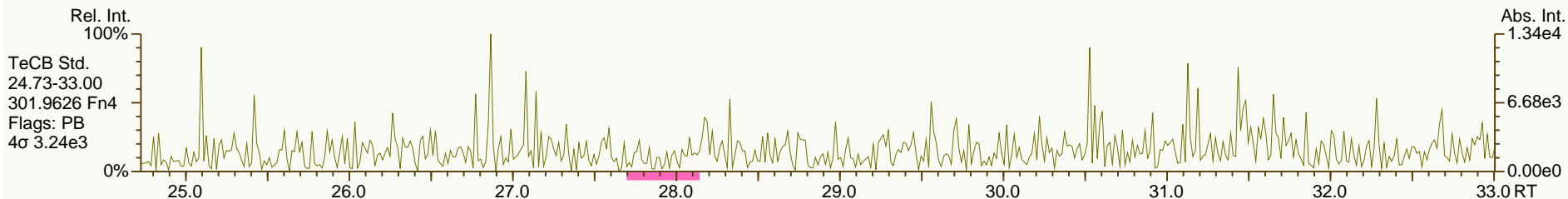
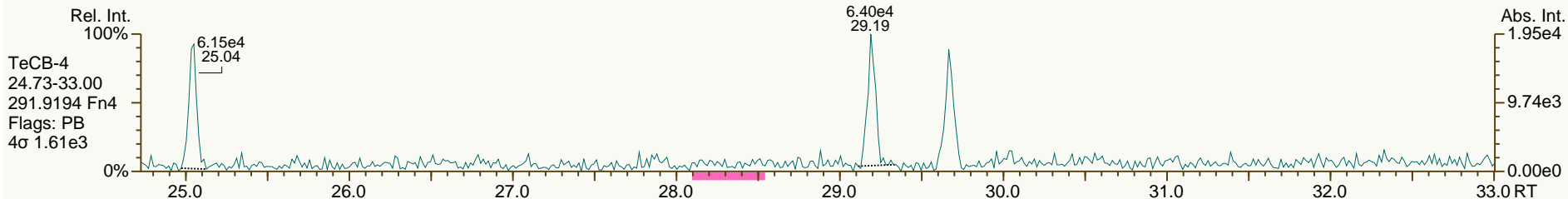
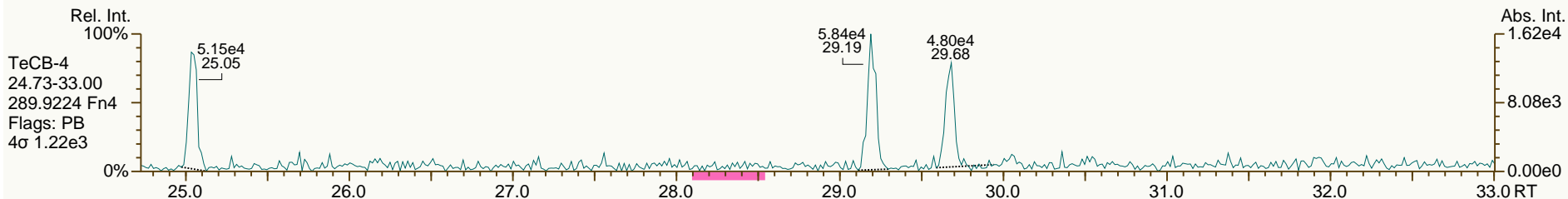
Accq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

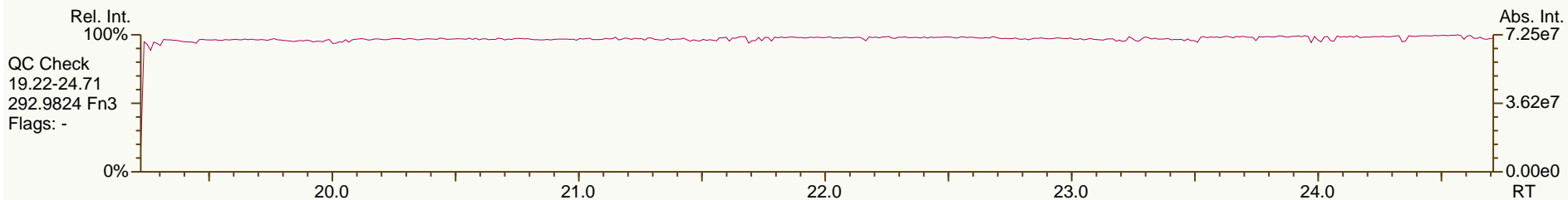
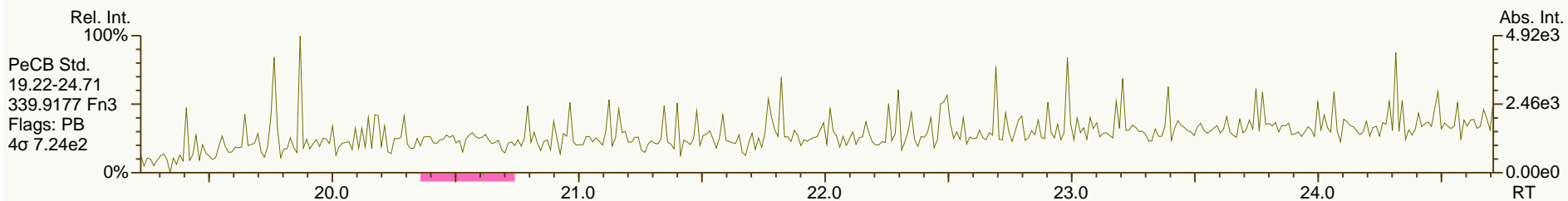
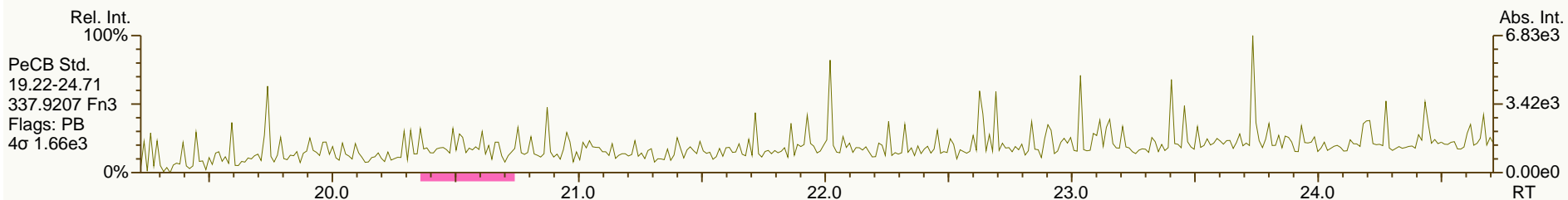
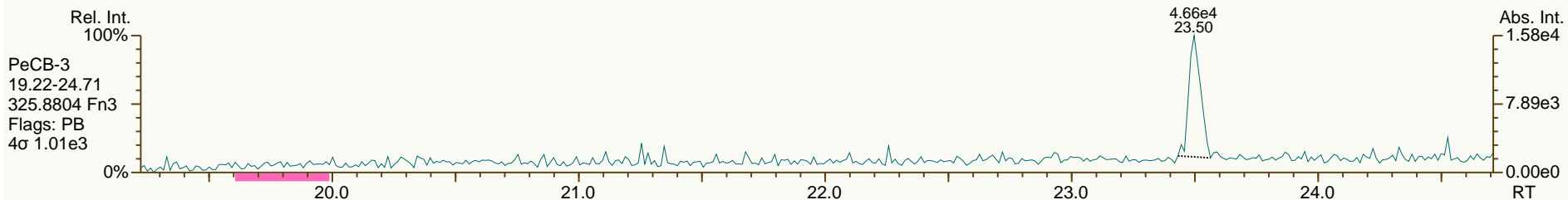
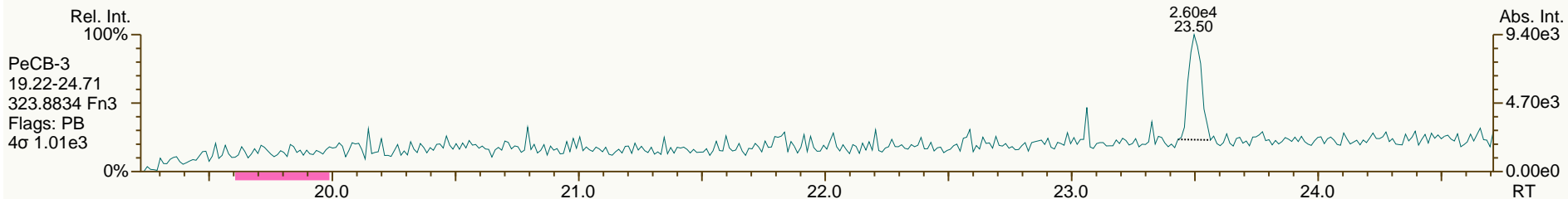
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

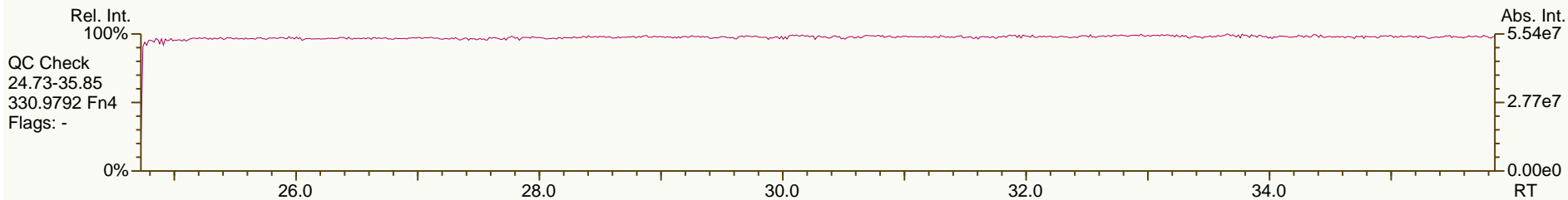
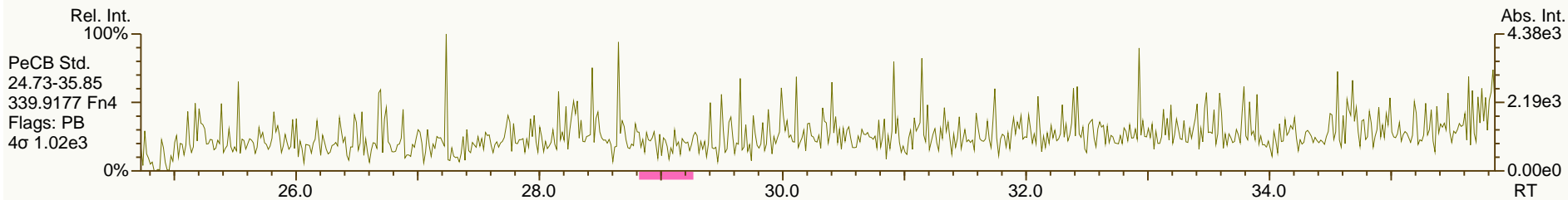
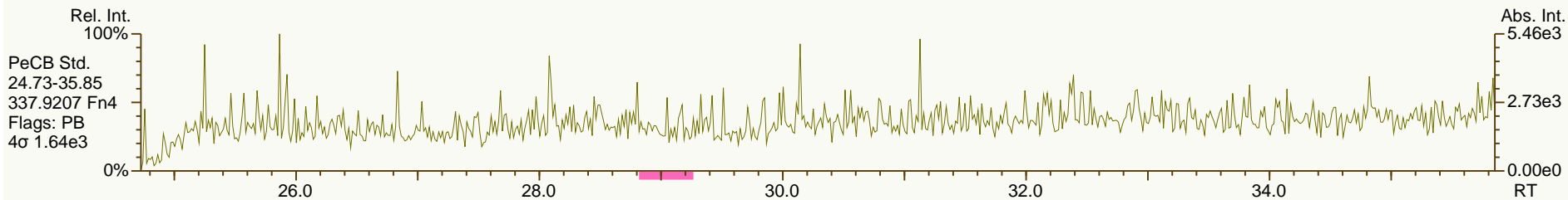
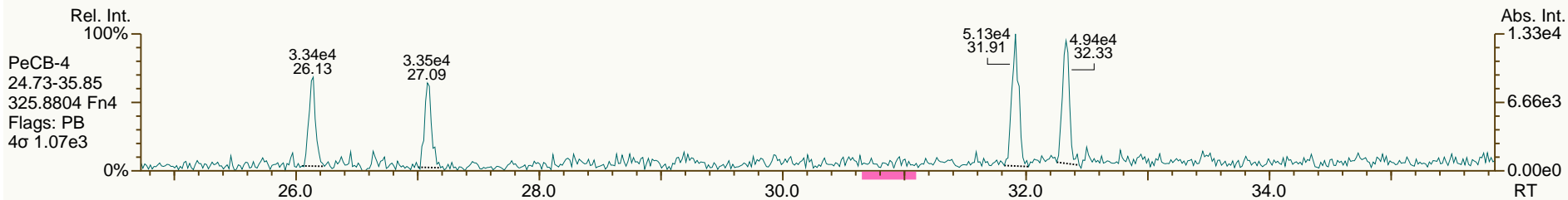
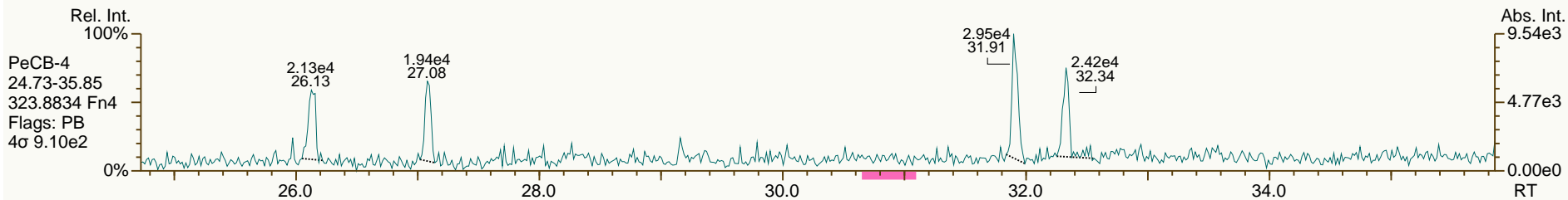
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

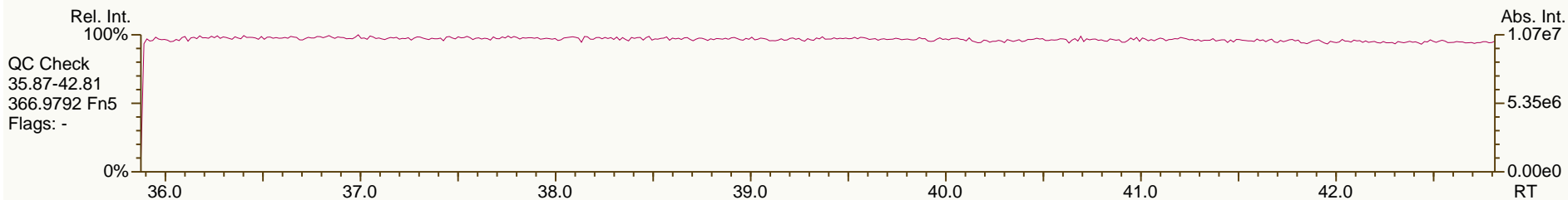
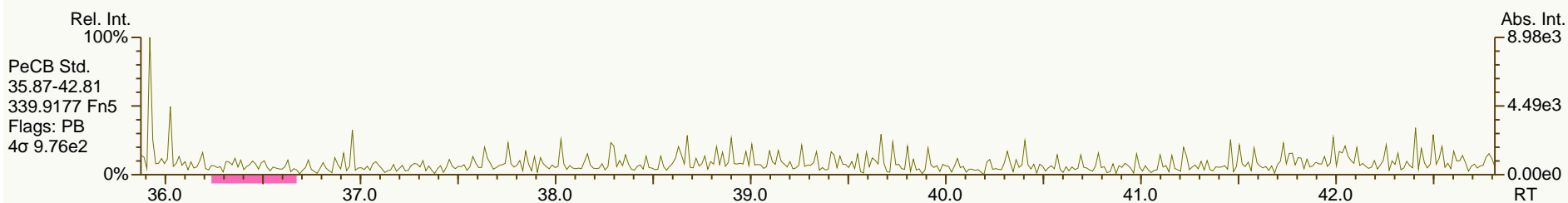
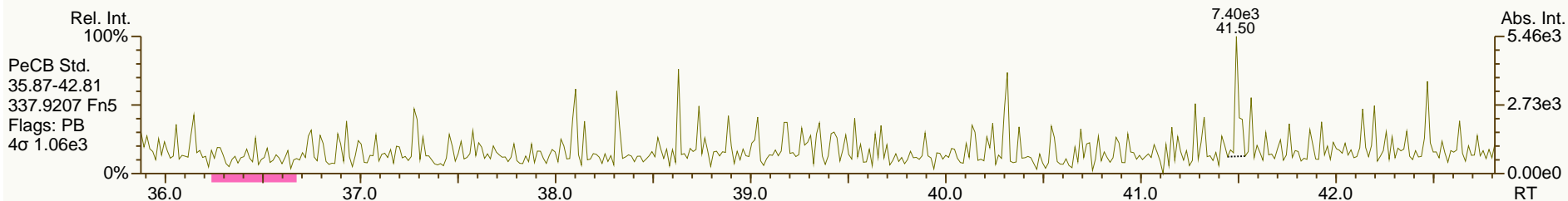
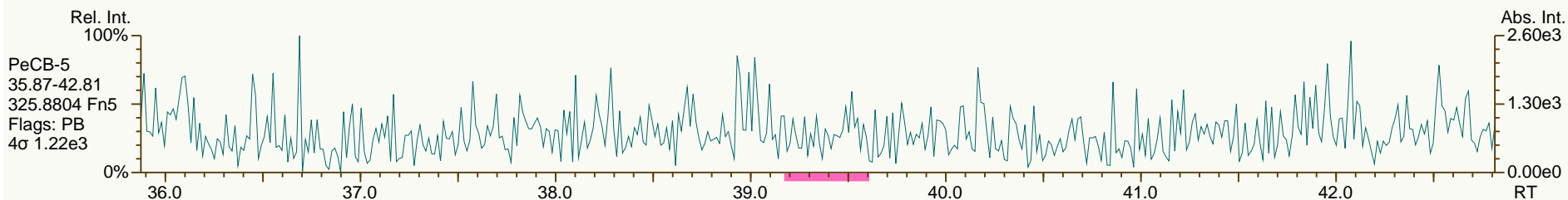
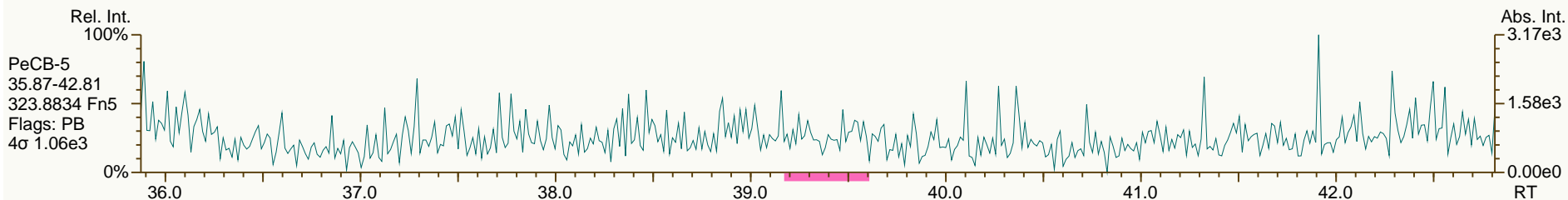
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

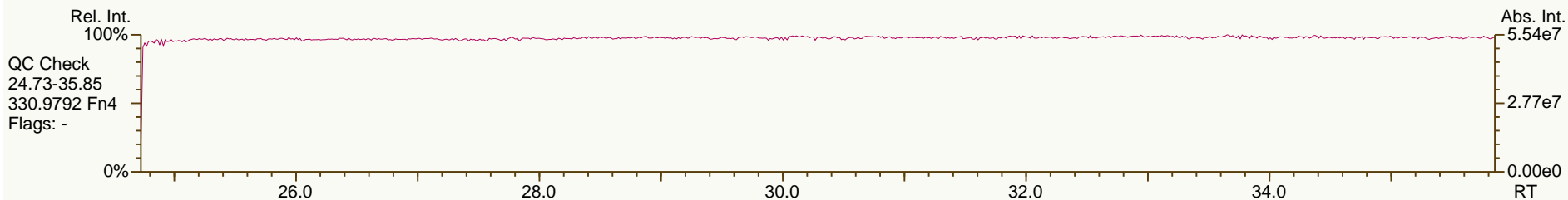
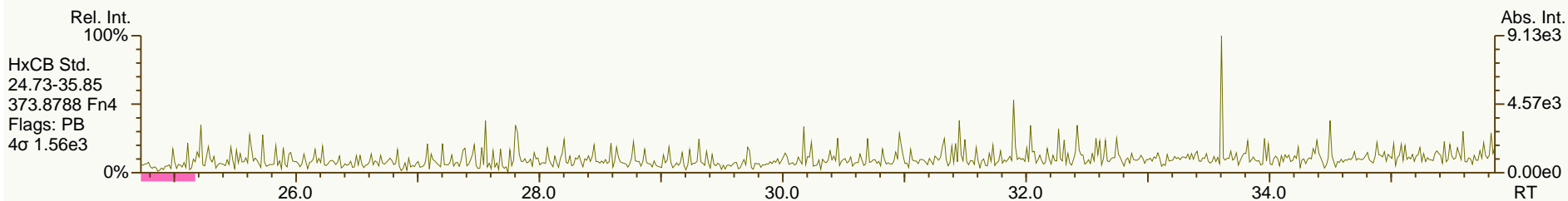
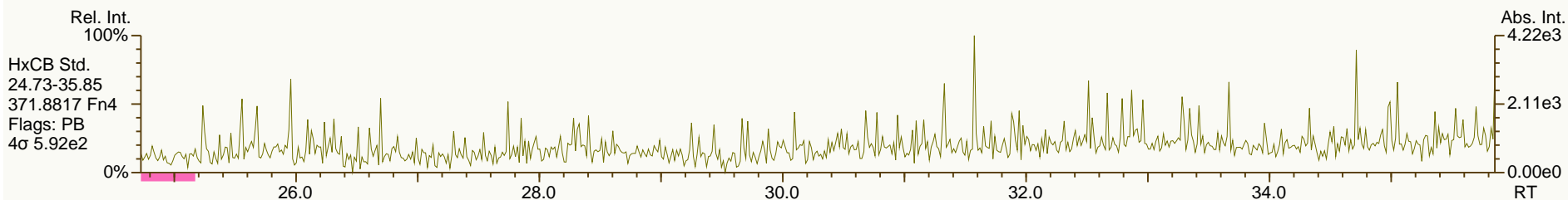
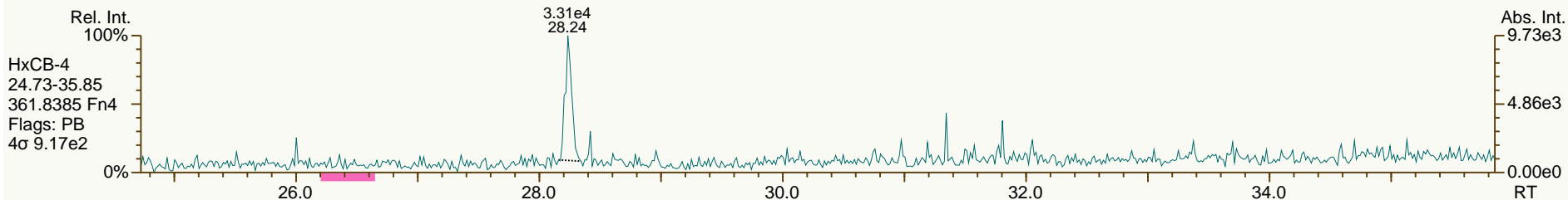
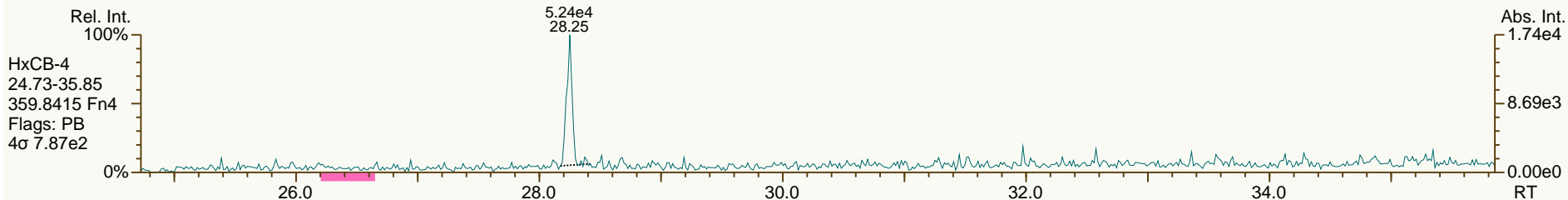
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

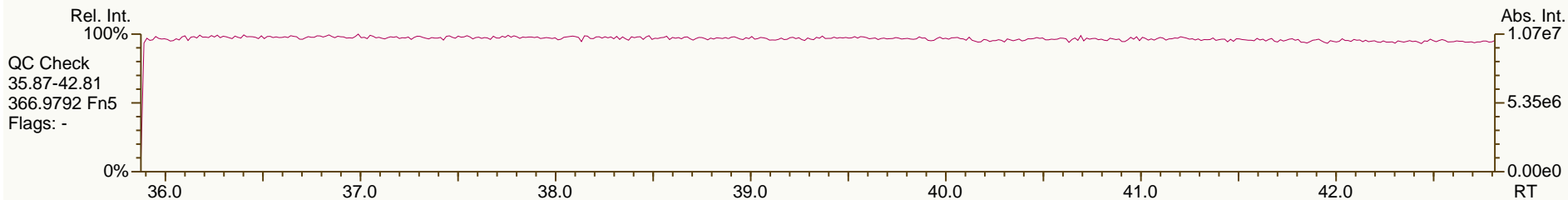
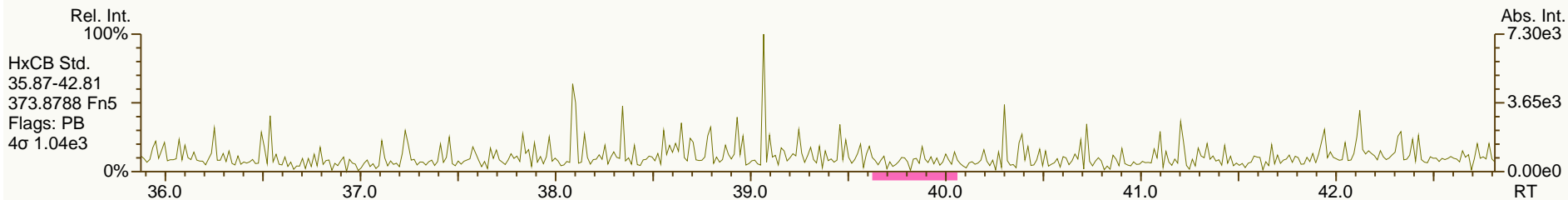
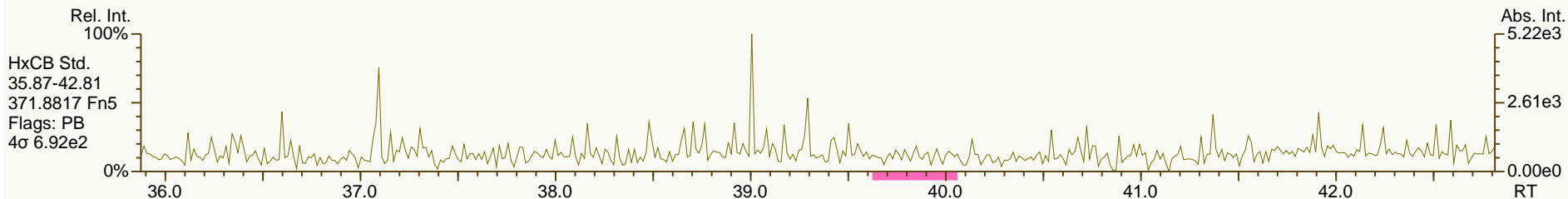
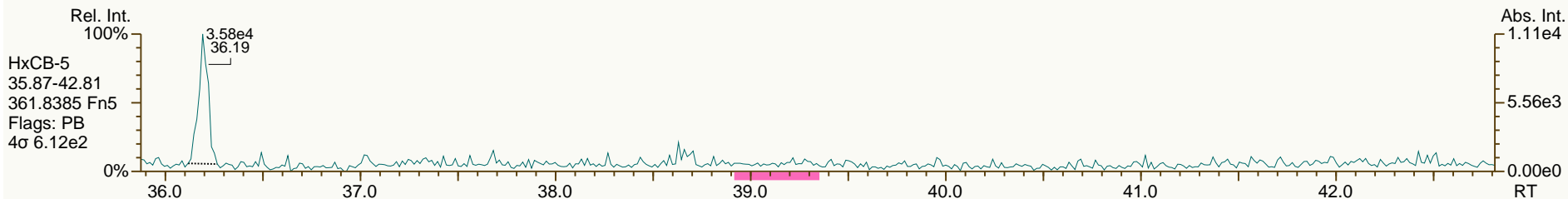
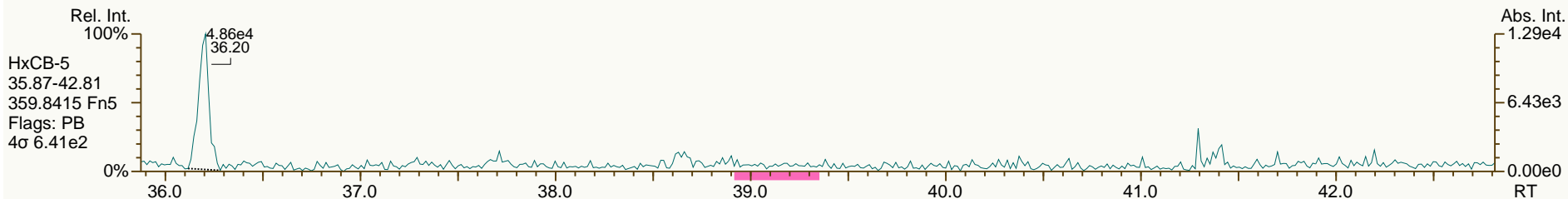
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

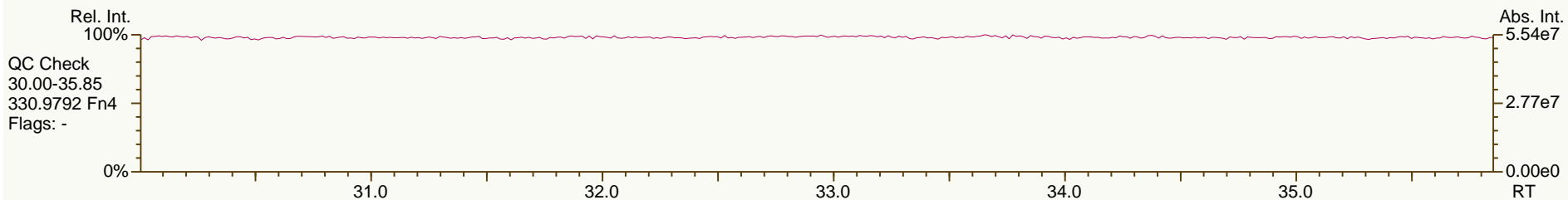
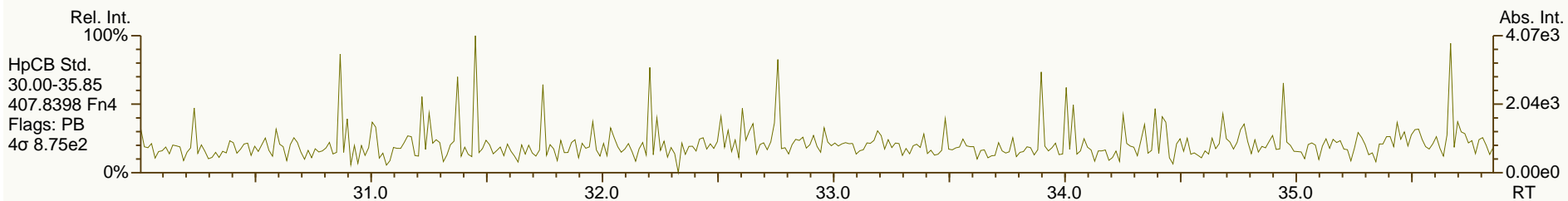
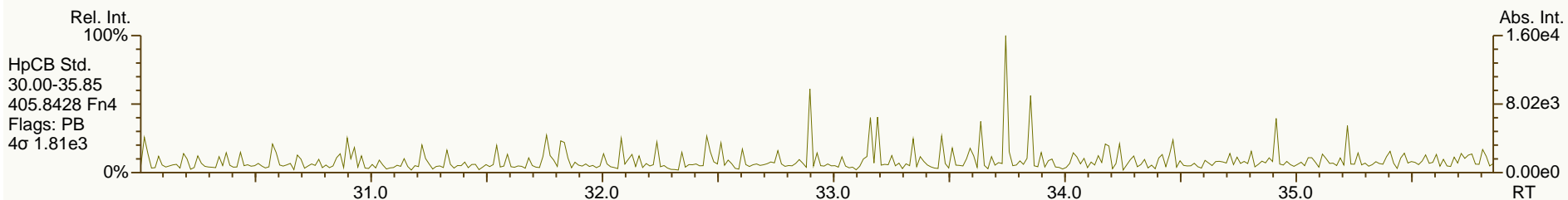
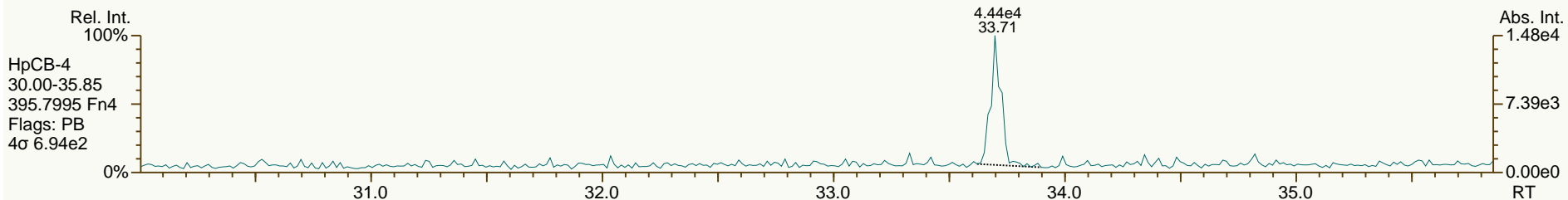
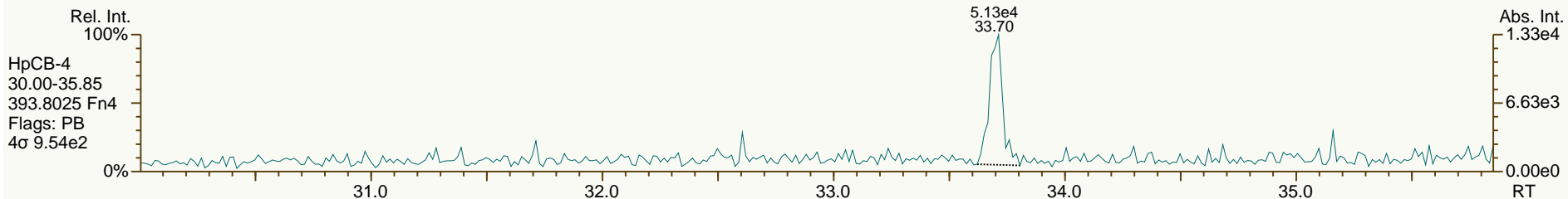
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

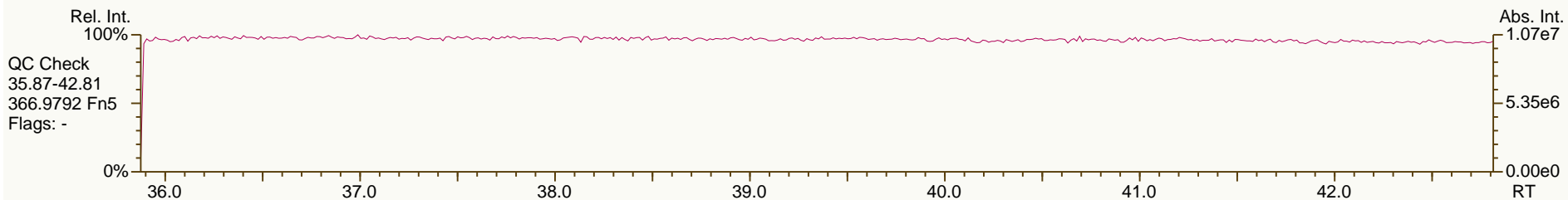
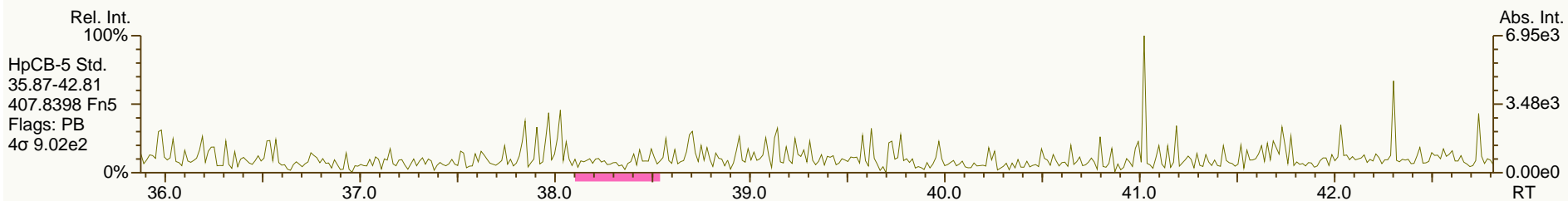
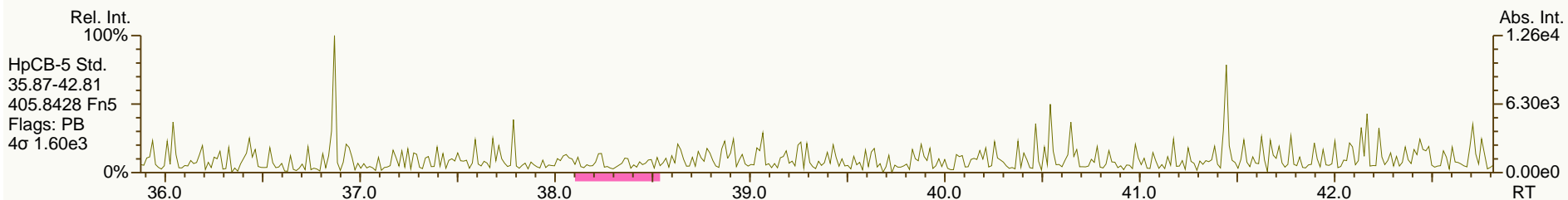
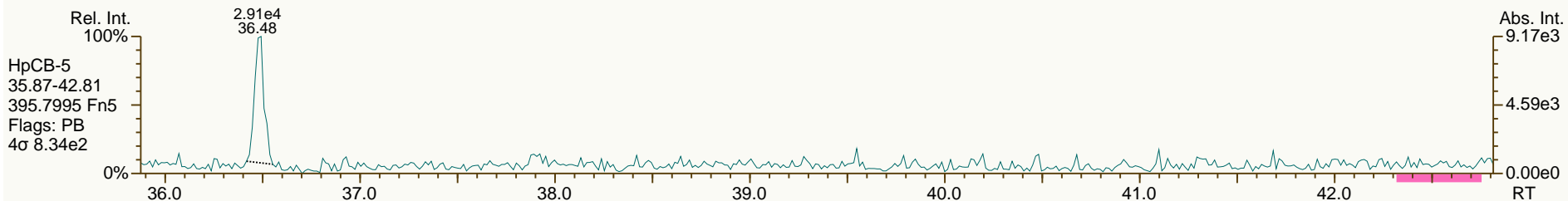
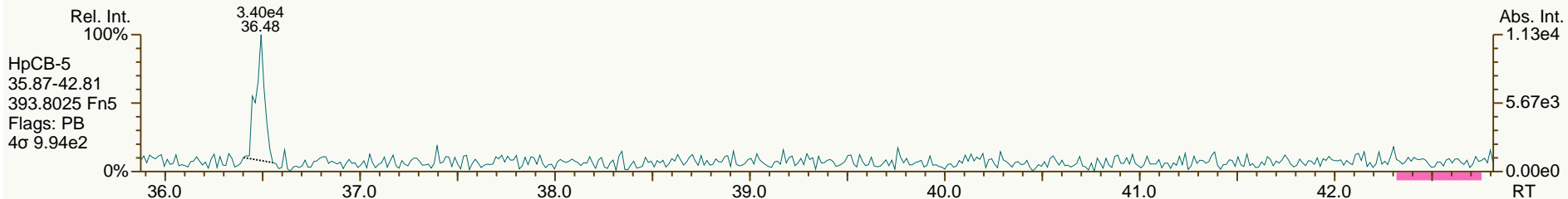
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

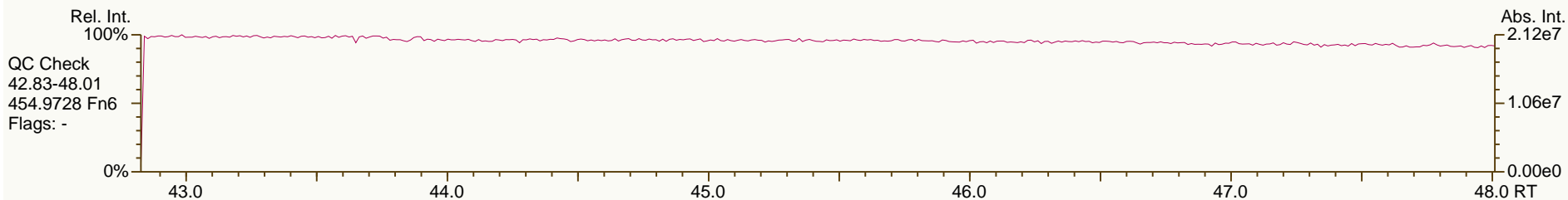
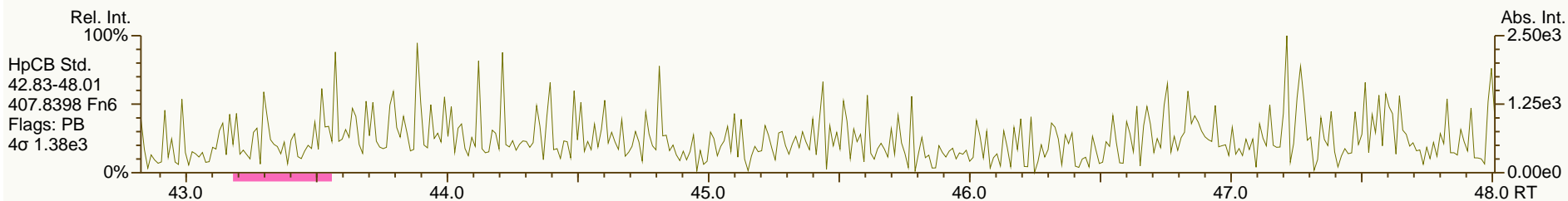
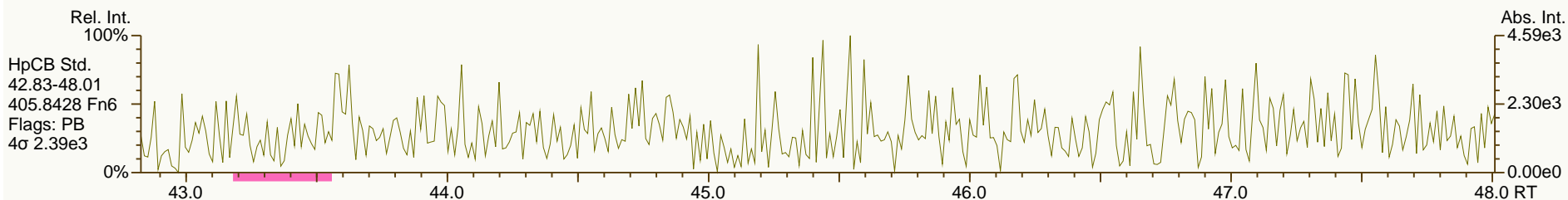
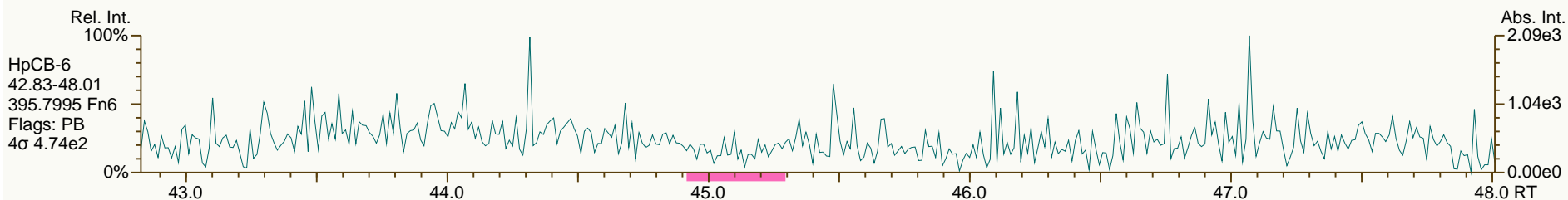
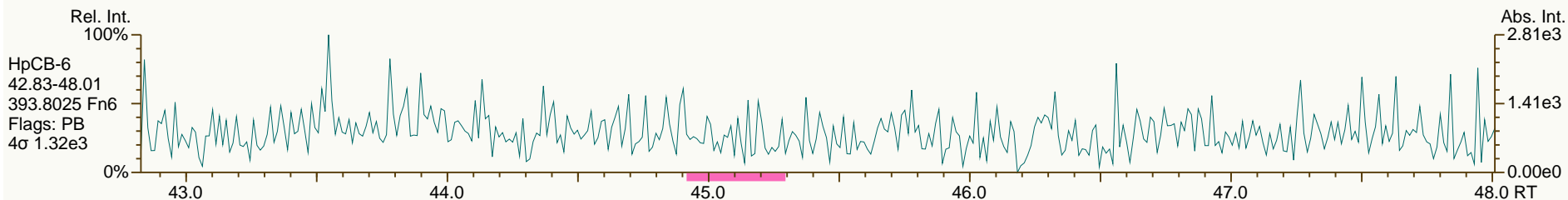
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

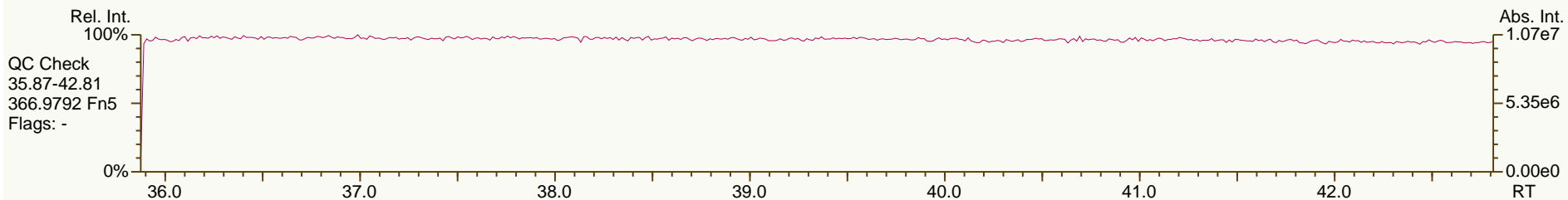
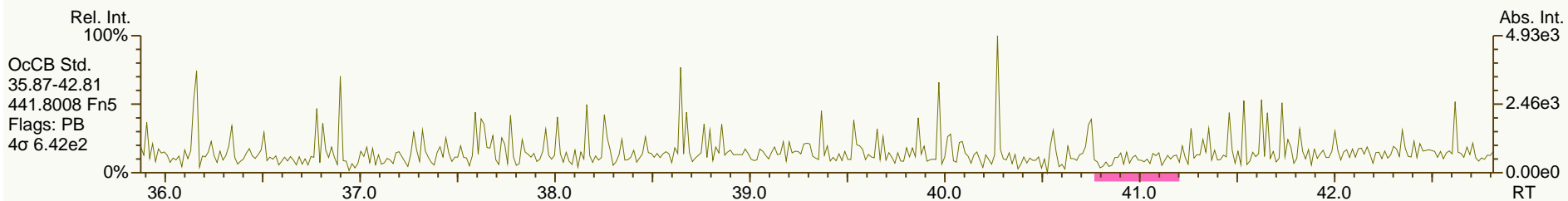
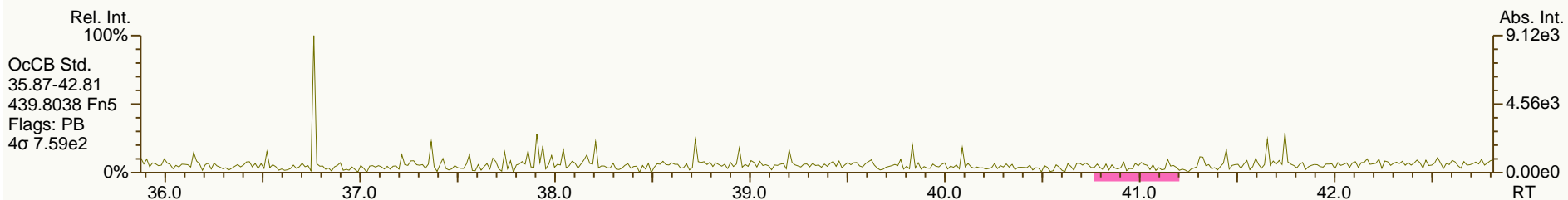
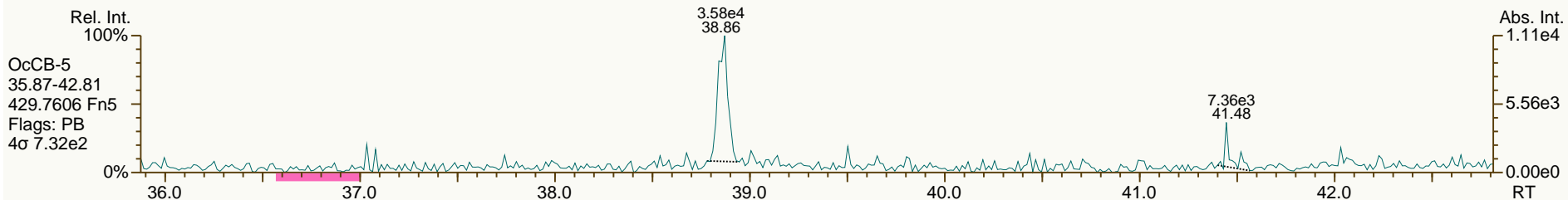
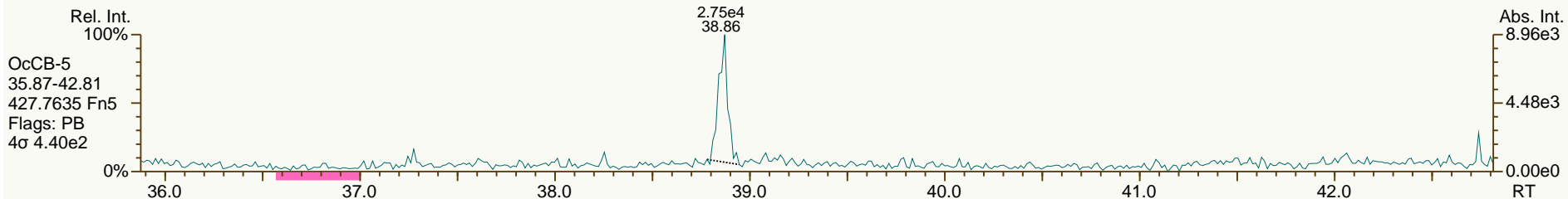
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

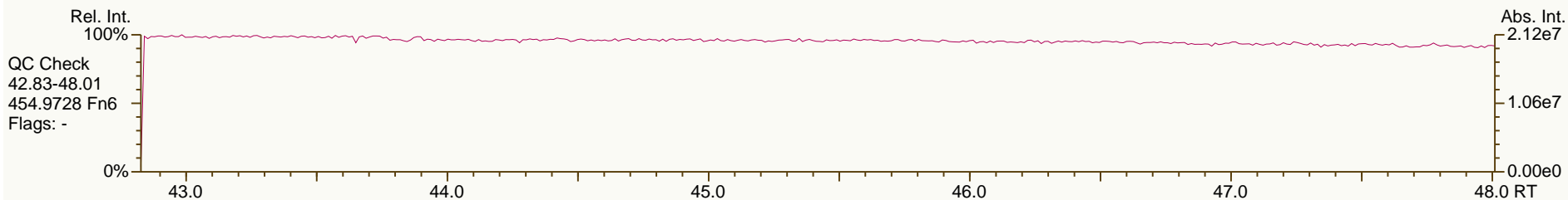
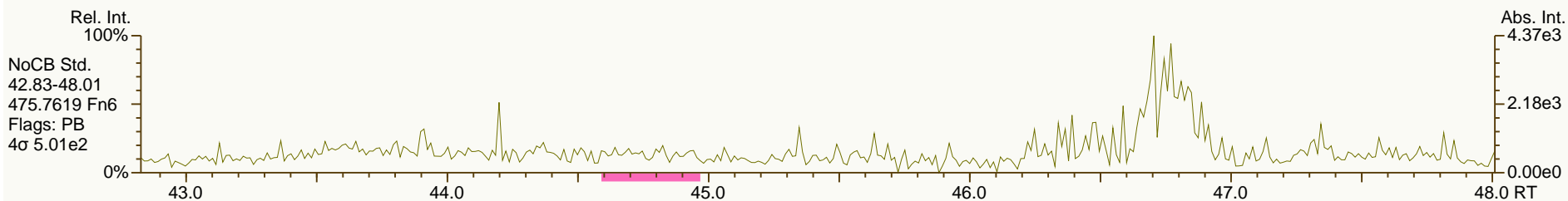
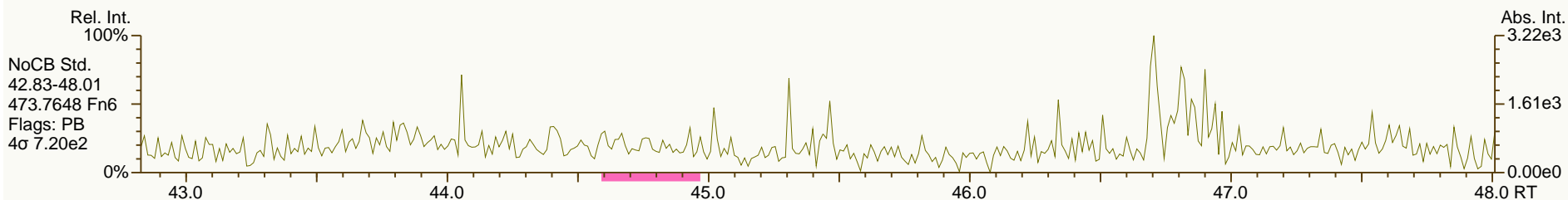
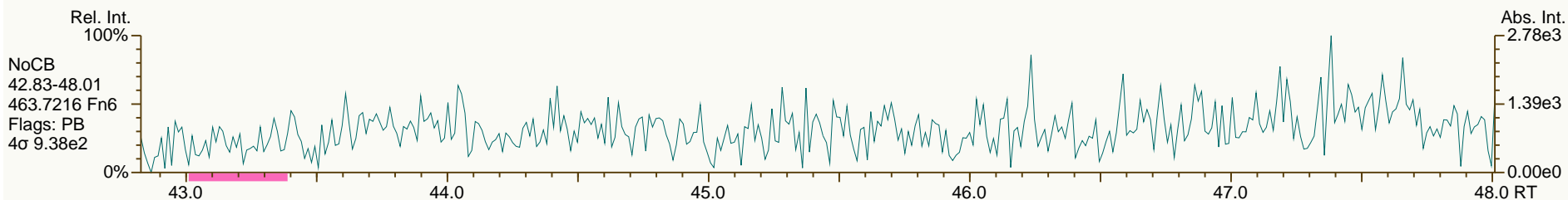
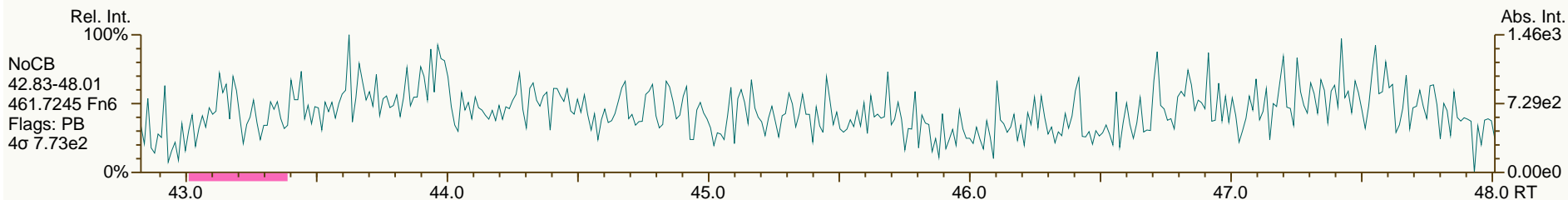
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



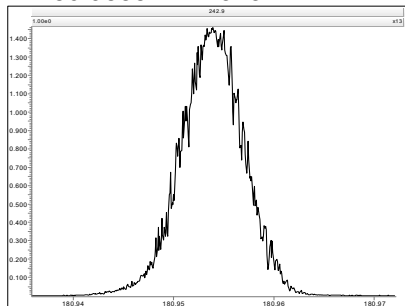
Experiment Calibration Report

MassLynx 4.1

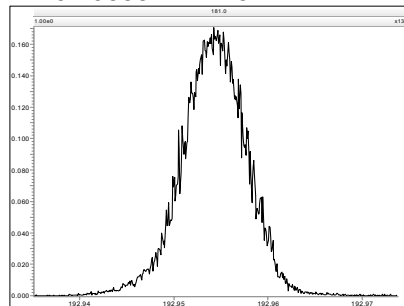
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 1 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:11:21 Eastern Standard Time

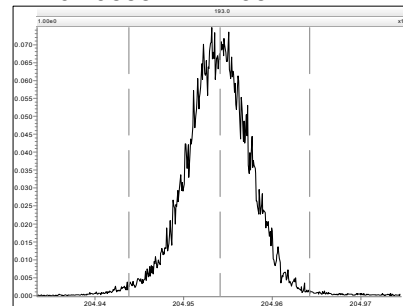
M 180.9888 R 12375



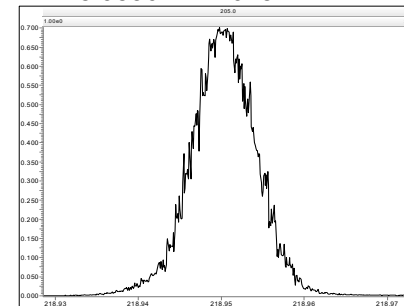
M 192.9888 R 12131



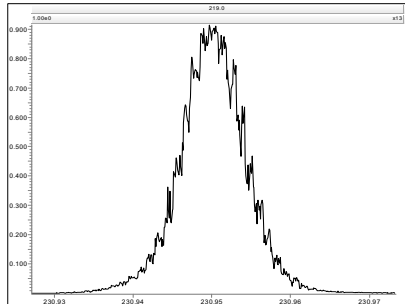
M 204.9888 R 11738



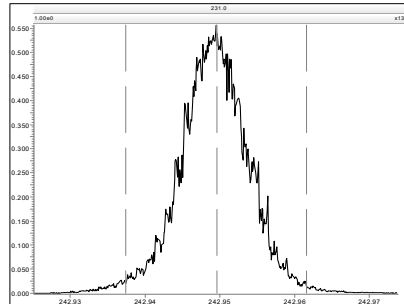
M 218.9856 R 12018



M 230.9856 R 11261



M 242.9856 R 10636



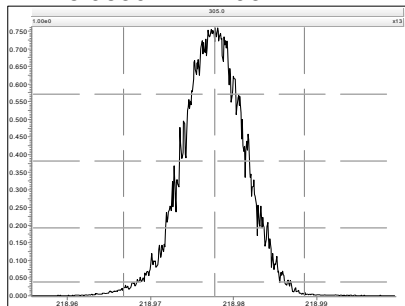
Experiment Calibration Report

MassLynx 4.1

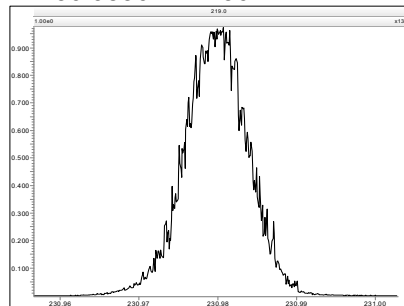
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 2 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:11:50 Eastern Standard Time

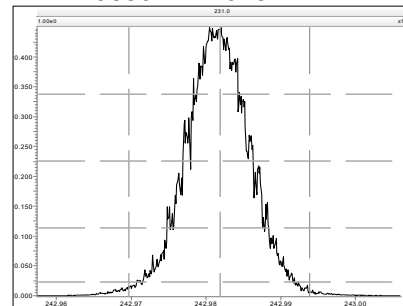
M 218.9856 R 12195



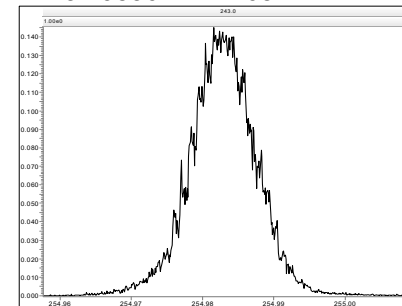
M 230.9856 R 12564



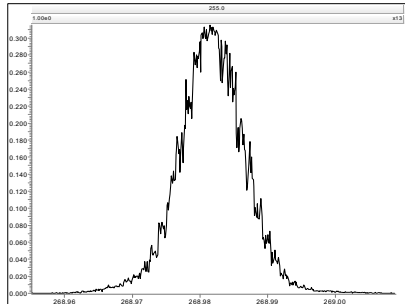
M 242.9856 R 12018



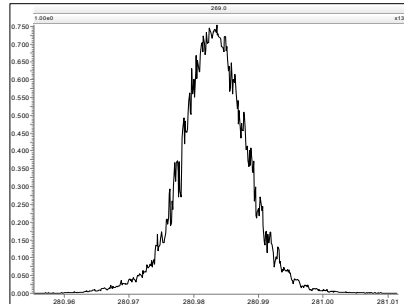
M 254.9856 R 11468



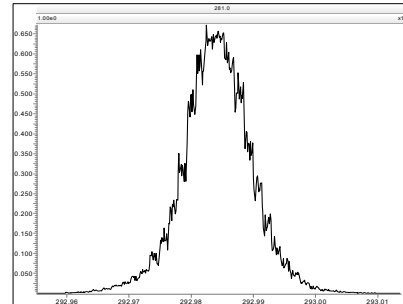
M 268.9824 R 11626



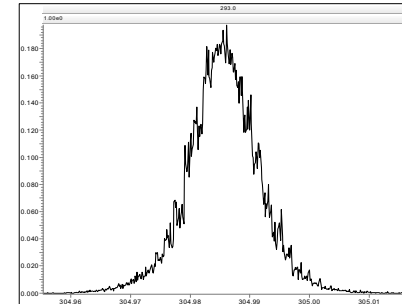
M 280.9824 R 11678



M 292.9824 R 10730



M 304.9824 R 10502



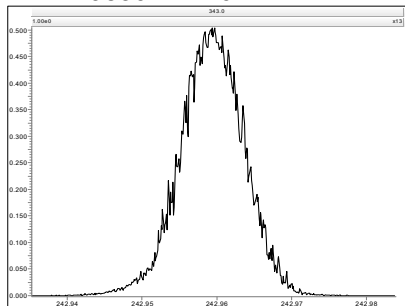
Experiment Calibration Report

MassLynx 4.1

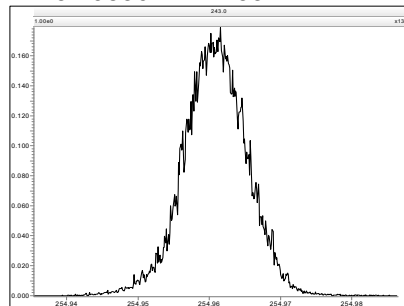
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 3 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:12:17 Eastern Standard Time

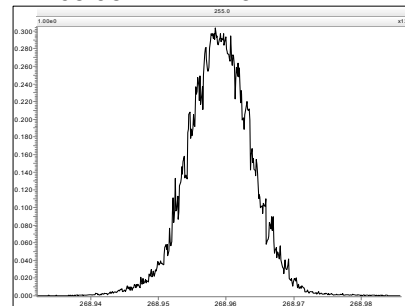
M 242.9856 R 12624



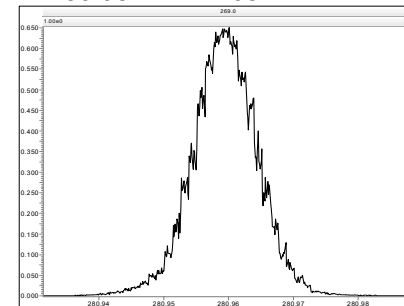
M 254.9856 R 12135



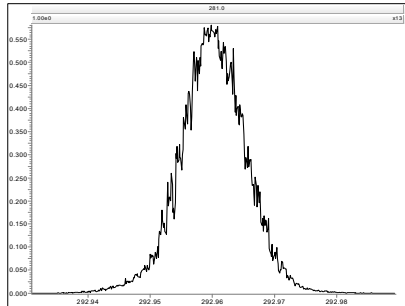
M 268.9824 R 12252



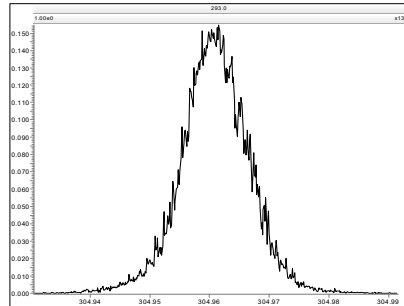
M 280.9824 R 11684



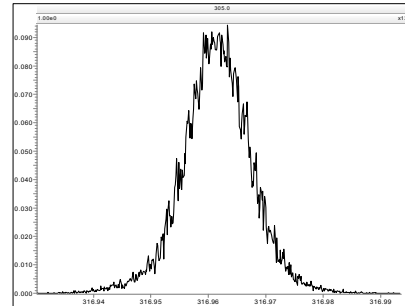
M 292.9824 R 11311



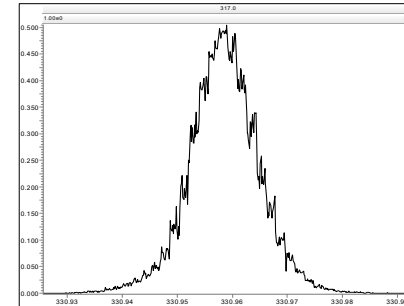
M 304.9824 R 11309



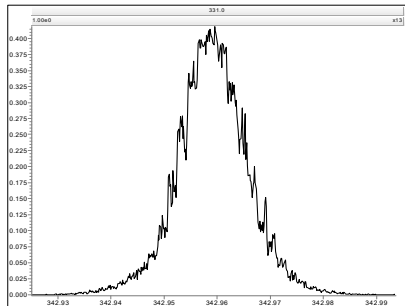
M 316.9824 R 11416



M 330.9792 R 11110



M 342.9792 R 10596



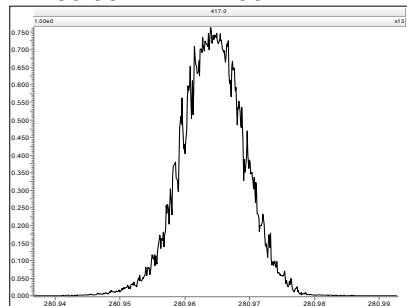
Experiment Calibration Report

MassLynx 4.1

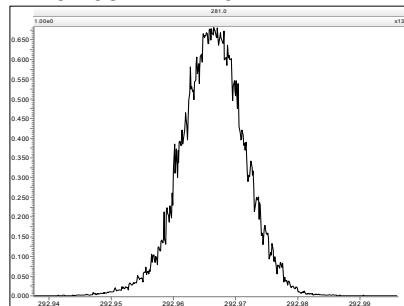
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 4 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:12:58 Eastern Standard Time

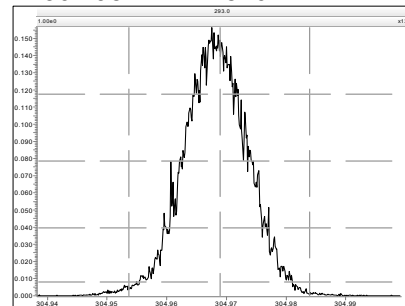
M 280.9824 R 12250



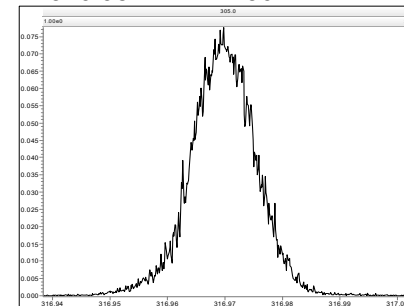
M 292.9824 R 12077



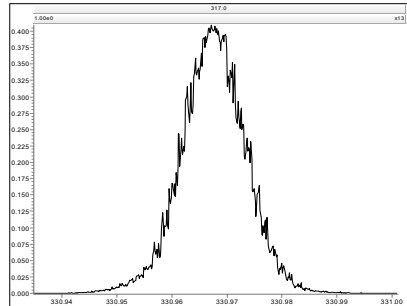
M 304.9824 R 11846



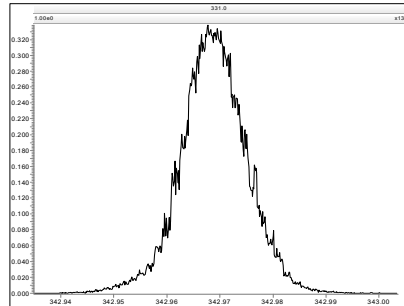
M 316.9824 R 12756



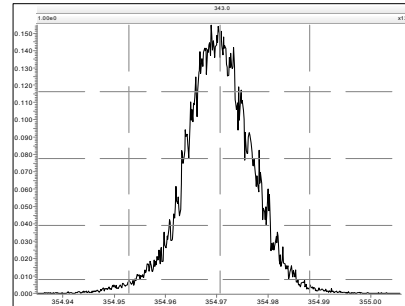
M 330.9792 R 11961



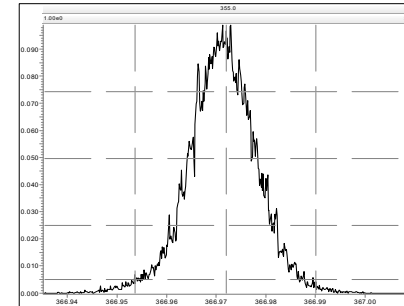
M 342.9792 R 11572



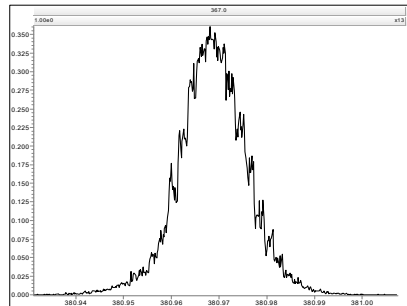
M 354.9792 R 11365



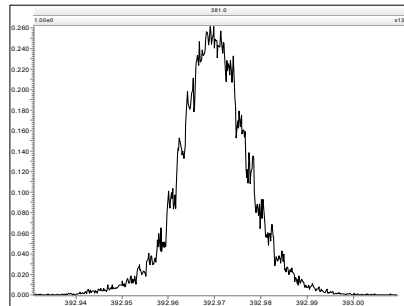
M 366.9792 R 11467



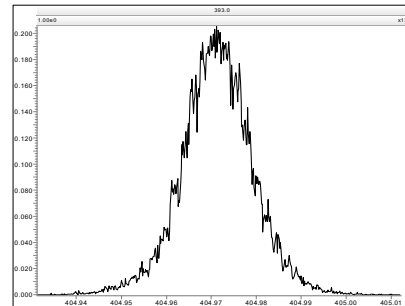
M 380.9760 R 11159



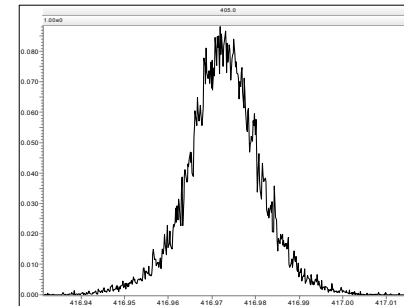
M 392.9760 R 11313



M 404.9760 R 10504



M 416.9760 R 10821



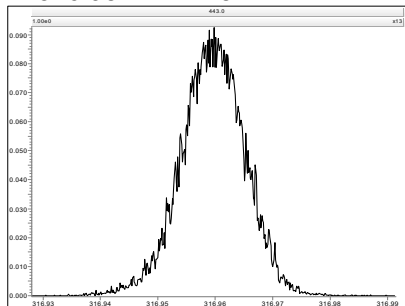
Experiment Calibration Report

MassLynx 4.1

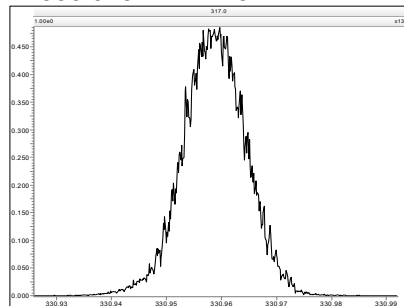
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 5 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:13:39 Eastern Standard Time

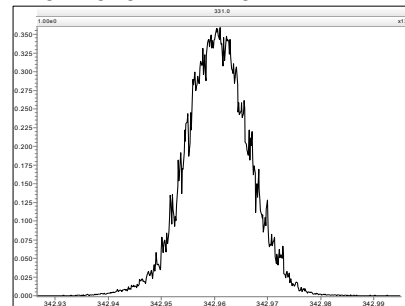
M 316.9824 R 12821



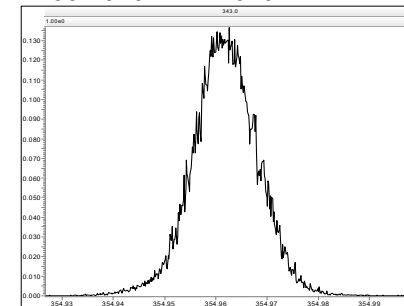
M 330.9792 R 12254



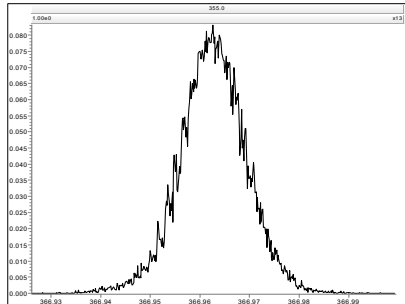
M 342.9792 R 12497



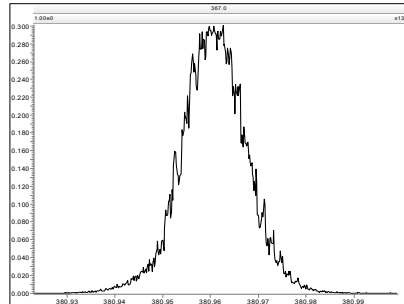
M 354.9792 R 11629



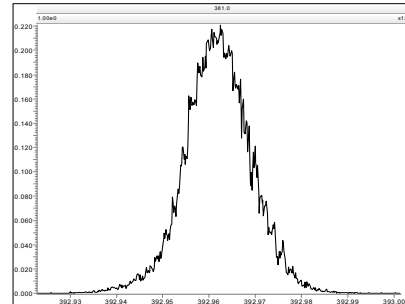
M 366.9792 R 11627



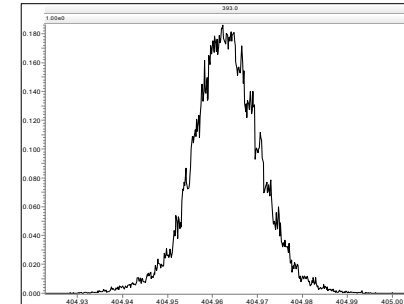
M 380.9760 R 11790



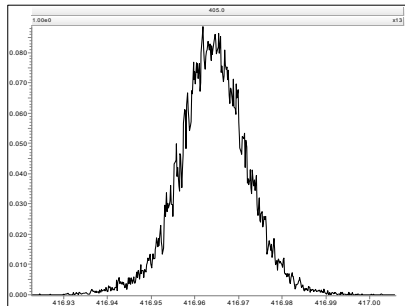
M 392.9760 R 11624



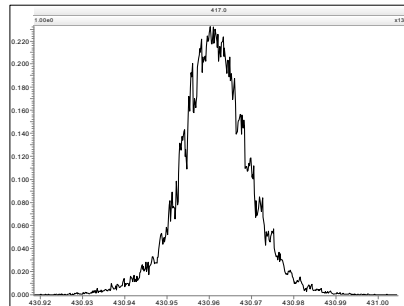
M 404.9760 R 11736



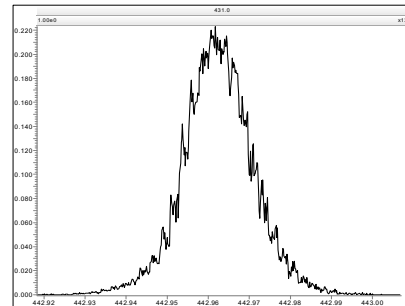
M 416.9760 R 11576



M 430.9728 R 11063



M 442.9728 R 11160



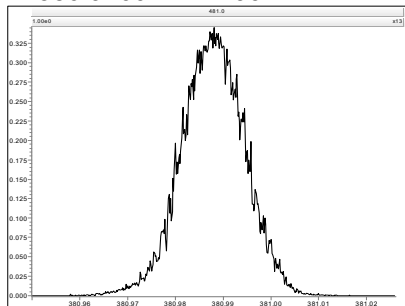
Experiment Calibration Report

MassLynx 4.1

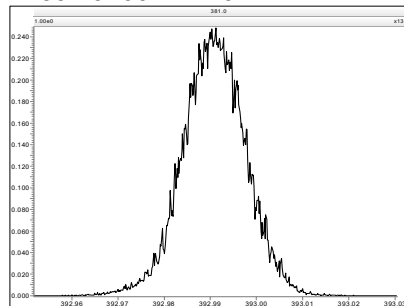
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 6 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:14:09 Eastern Standard Time

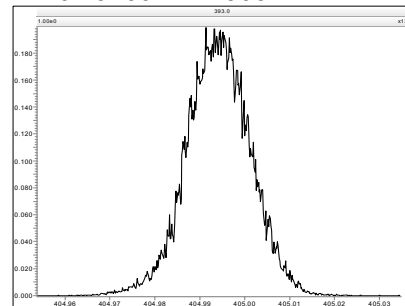
M 380.9760 R 12499



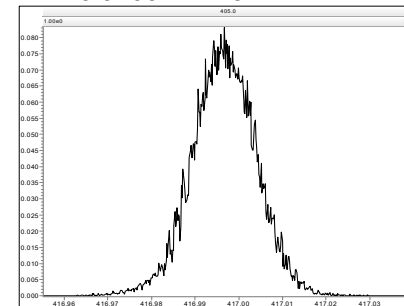
M 392.9760 R 12021



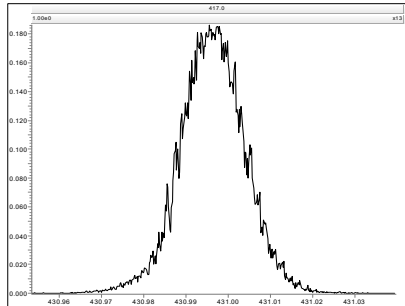
M 404.9760 R 11905



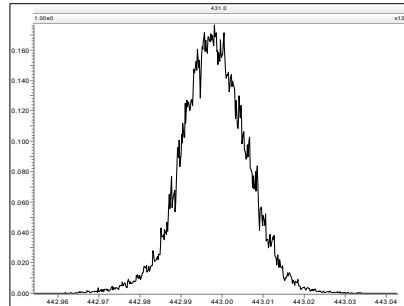
M 416.9760 R 12314



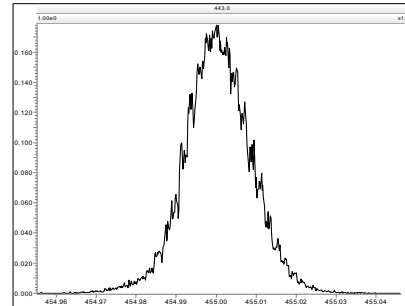
M 430.9728 R 12075



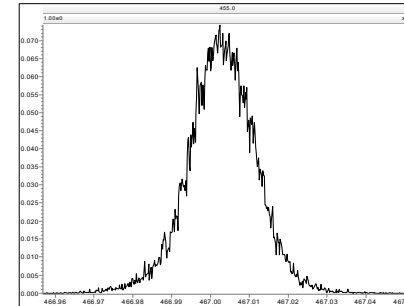
M 442.9728 R 11574



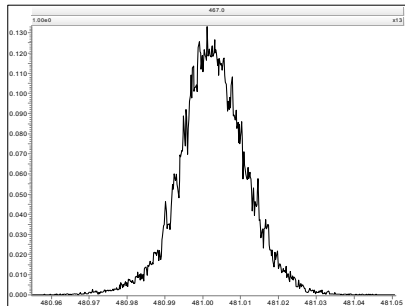
M 454.9728 R 11415



M 466.9728 R 11413



M 480.9696 R 11313



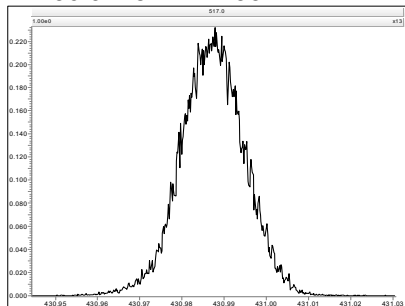
Experiment Calibration Report

MassLynx 4.1

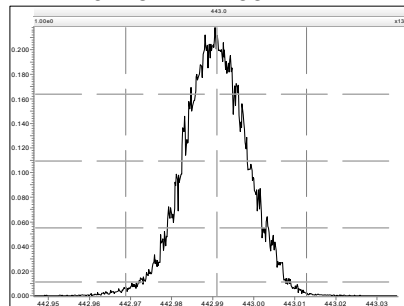
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 7 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:14:39 Eastern Standard Time

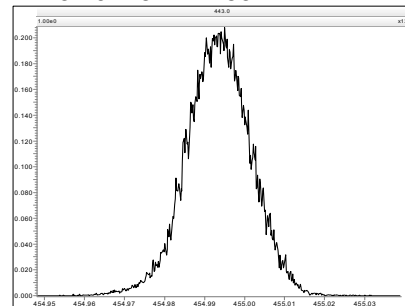
M 430.9728 R 12133



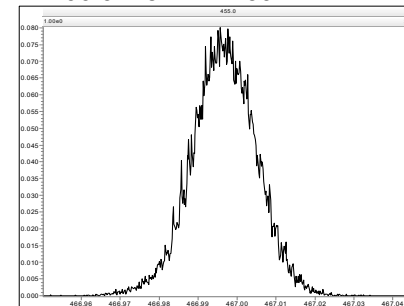
M 442.9728 R 12755



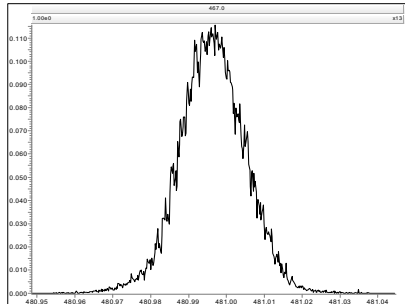
M 454.9728 R 11851



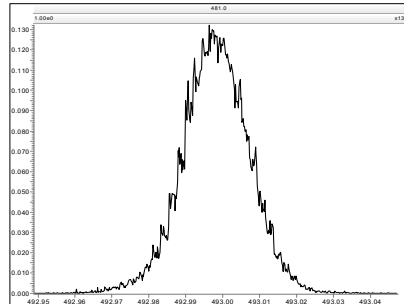
M 466.9728 R 12439



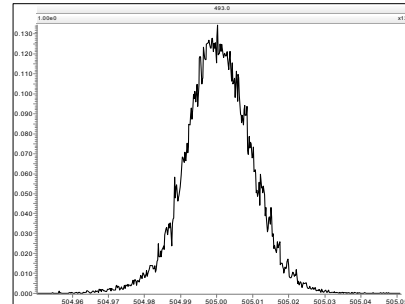
M 480.9696 R 11849



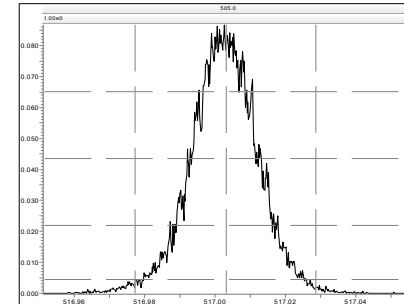
M 492.9696 R 11792



M 504.9696 R 11469



M 516.9697 R 11306

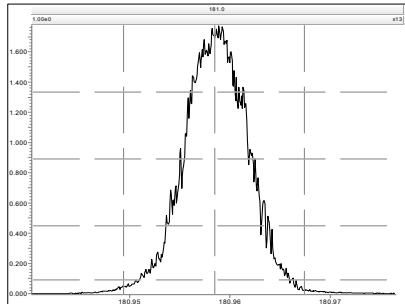


Resolution Check Report

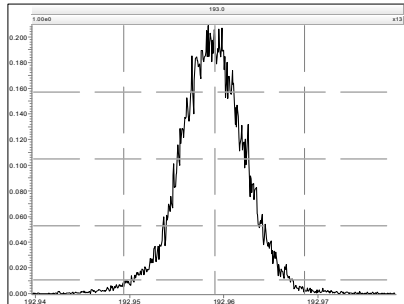
MassLynx 4.1

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

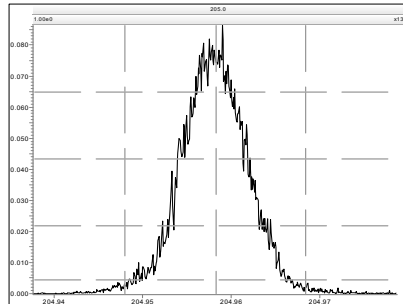
M 180.9888 R 12165



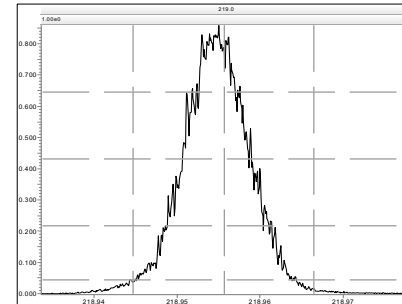
M 192.9888 R 11627



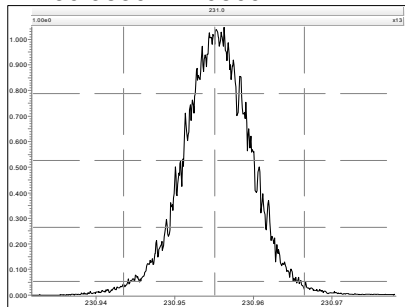
M 204.9888 R 11926



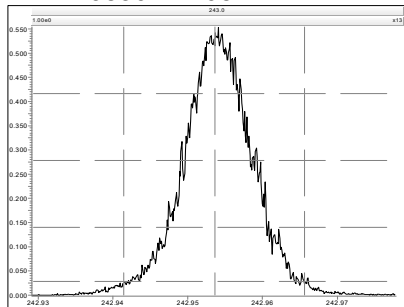
M 218.9856 R 11547



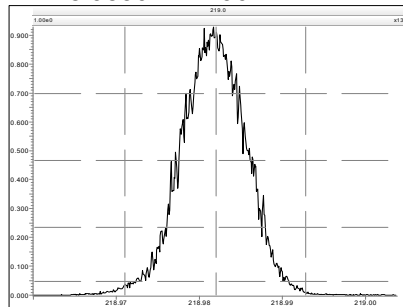
M 230.9856 R 10869



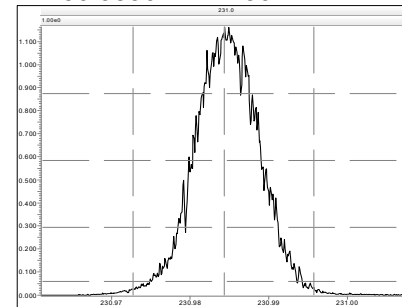
M 242.9856 R 10827



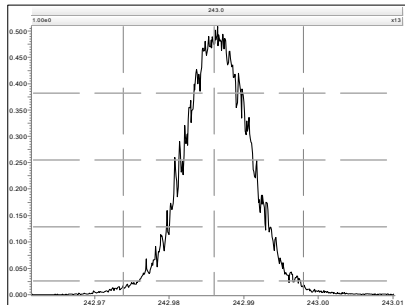
M 218.9856 R 11962



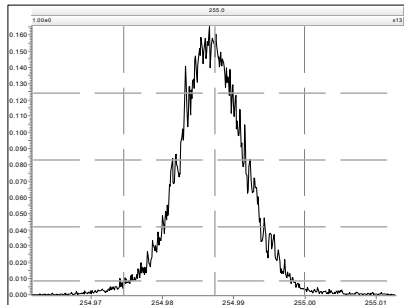
M 230.9856 R 12136



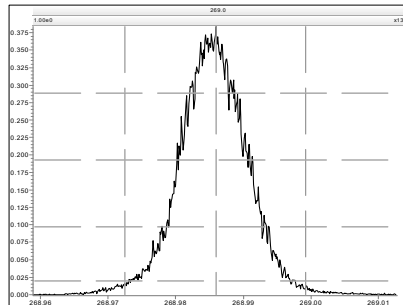
M 242.9856 R 11691



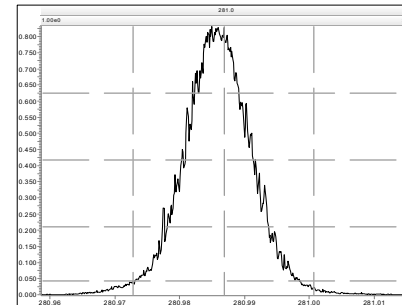
M 254.9856 R 11186



M 268.9824 R 11135



M 280.9824 R 10869



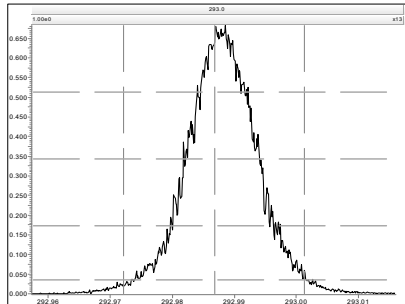
Resolution Check Report

MassLynx 4.1

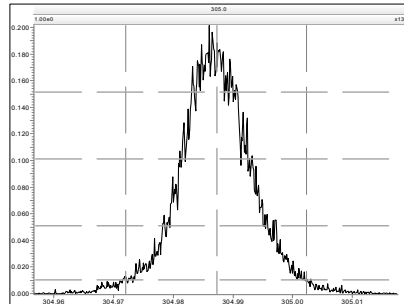
Page 2 of 6

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

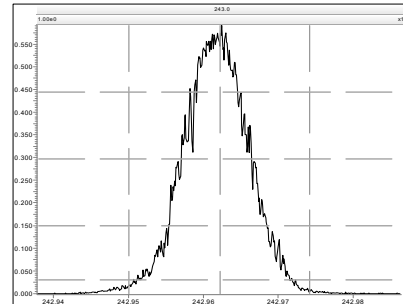
M 292.9824 R 10482



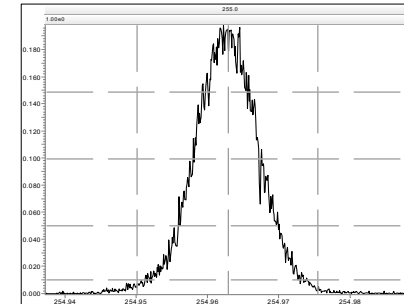
M 304.9824 R 10289



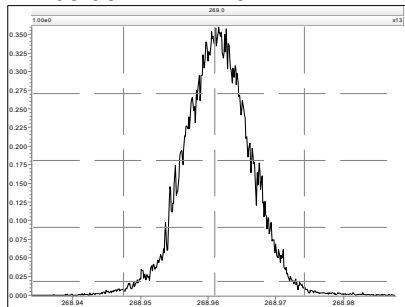
M 242.9856 R 11881



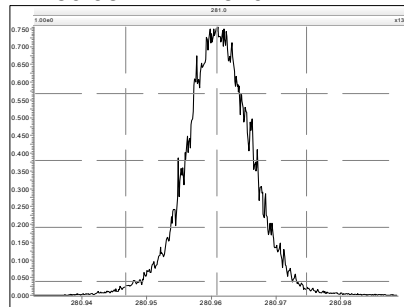
M 254.9856 R 12136



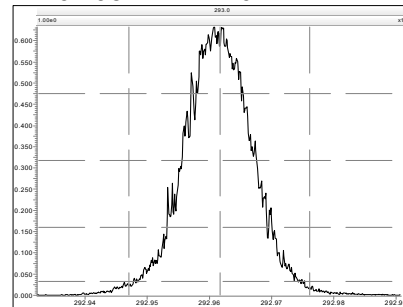
M 268.9824 R 11737



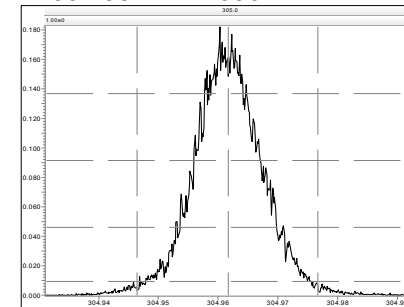
M 280.9824 R 11576



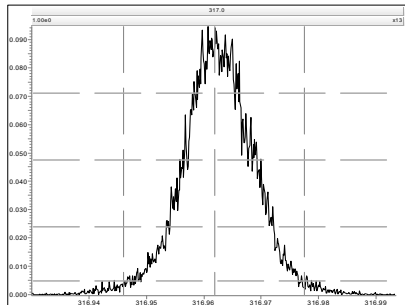
M 292.9824 R 11264



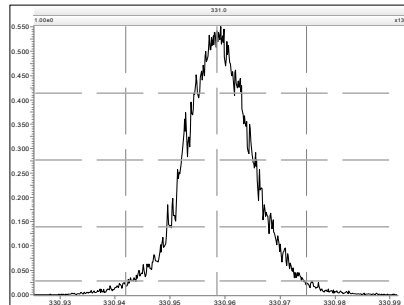
M 304.9824 R 10964



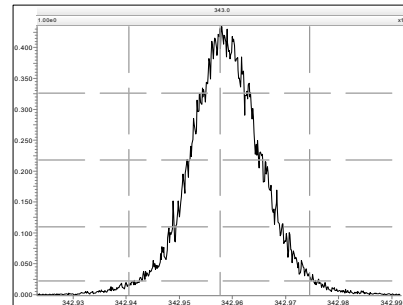
M 316.9824 R 11557



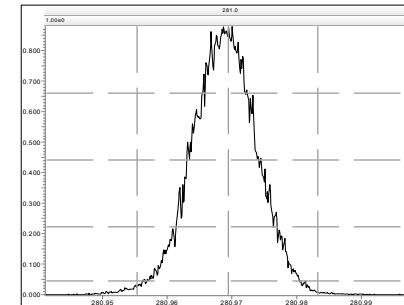
M 330.9792 R 10623



M 342.9792 R 10351



M 280.9824 R 11793



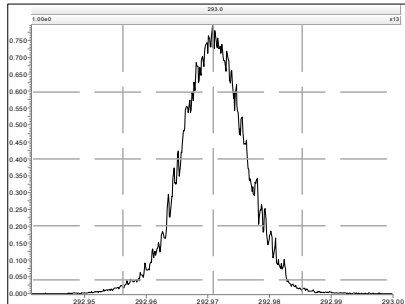
Resolution Check Report

MassLynx 4.1

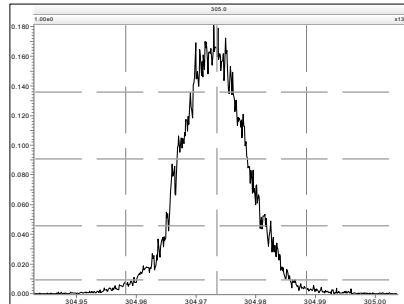
Page 3 of 6

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

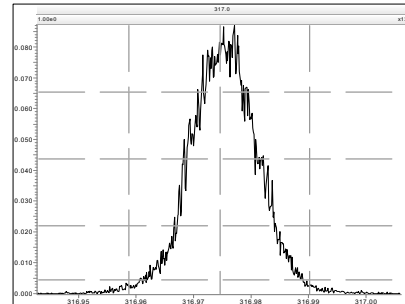
M 292.9824 R 11415



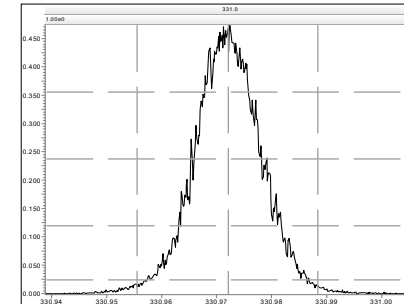
M 304.9824 R 11876



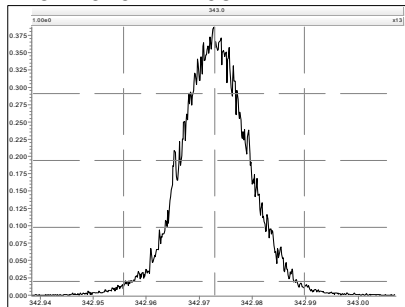
M 316.9824 R 11911



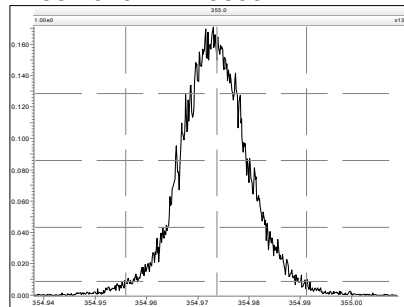
M 330.9792 R 11236



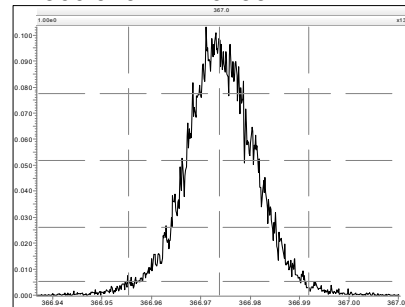
M 342.9792 R 10822



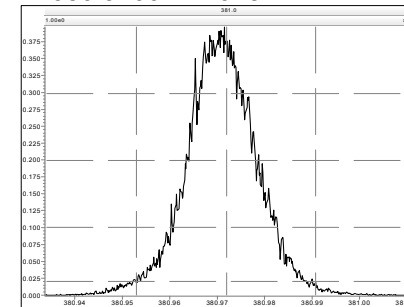
M 354.9792 R 10899



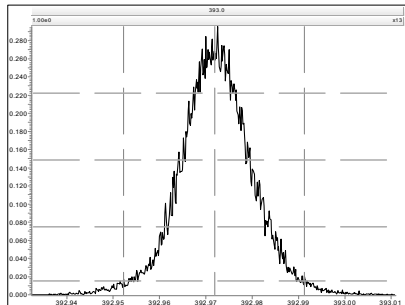
M 366.9792 R 10753



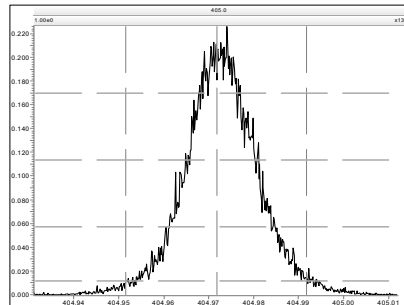
M 380.9760 R 10484



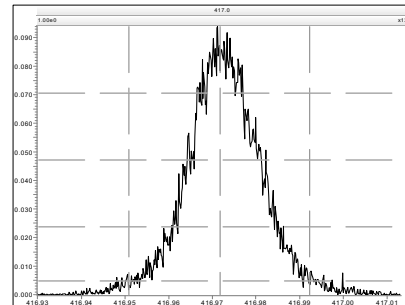
M 392.9760 R 10483



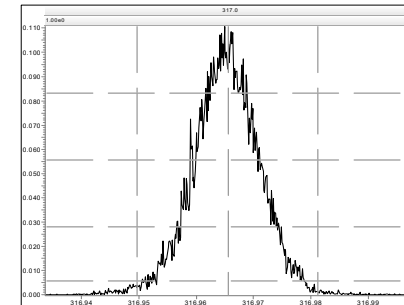
M 404.9760 R 10483



M 416.9760 R 10810



M 316.9824 R 12136



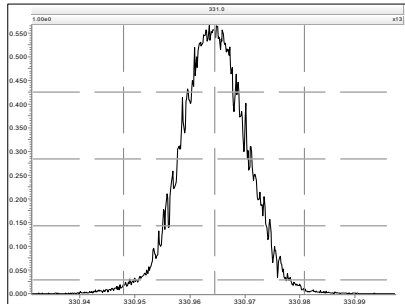
Resolution Check Report

MassLynx 4.1

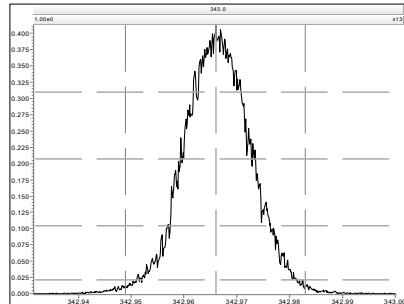
Page 4 of 6

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

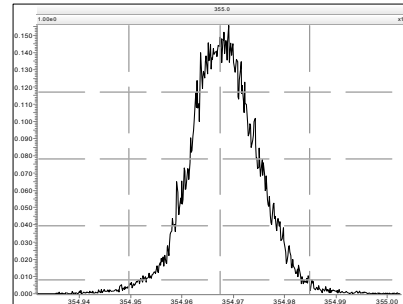
M 330.9792 R 12226



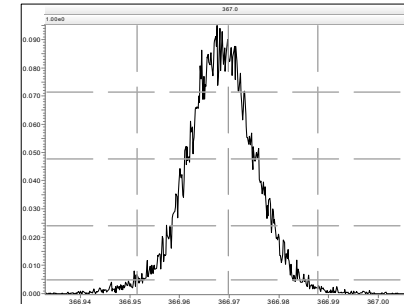
M 342.9792 R 11682



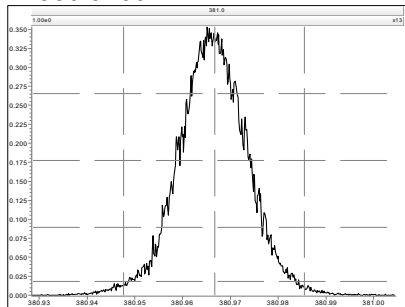
M 354.9792 R 11792



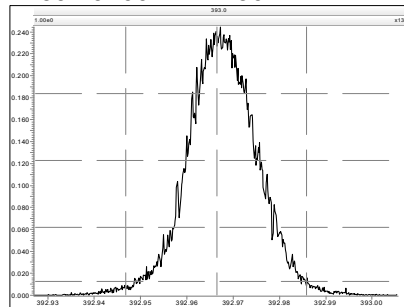
M 366.9792 R 11367



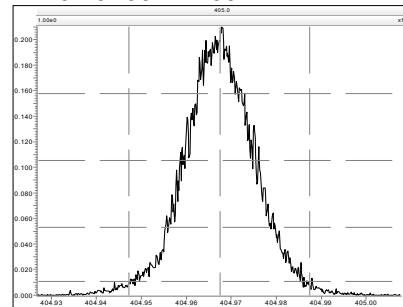
M 380.9760 R 11121



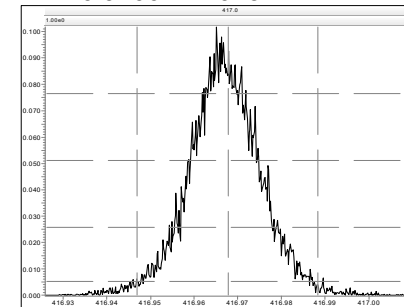
M 392.9760 R 11236



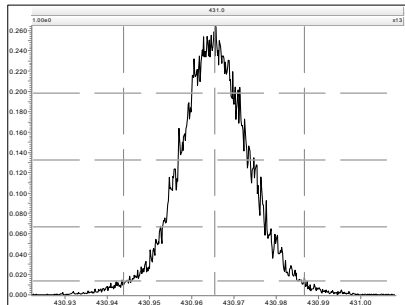
M 404.9760 R 10941



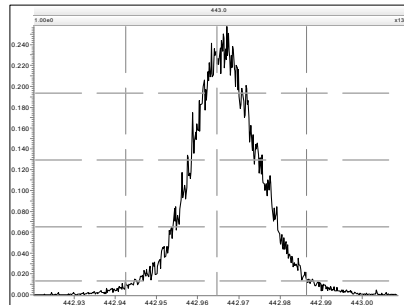
M 416.9760 R 10752



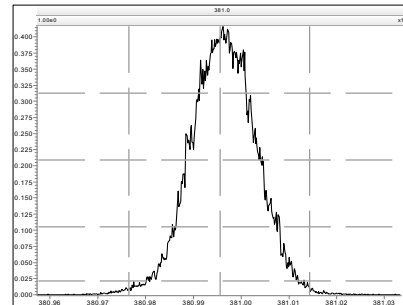
M 430.9728 R 10949



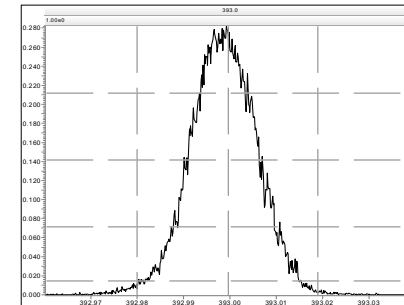
M 442.9728 R 10309



M 380.9760 R 11876



M 392.9760 R 11764

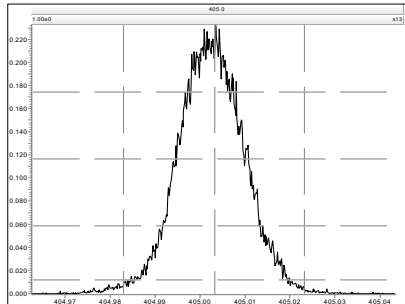


Resolution Check Report

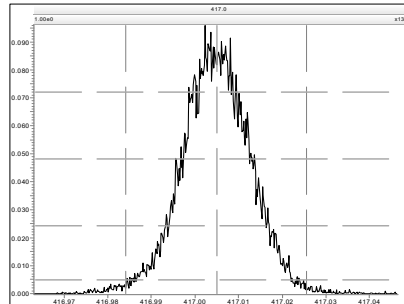
MassLynx 4.1

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

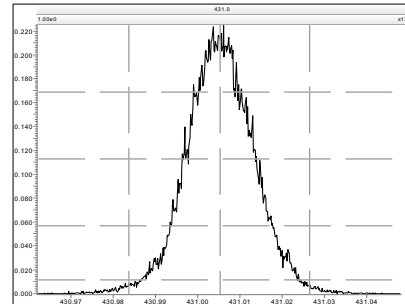
M 404.9760 R 11848



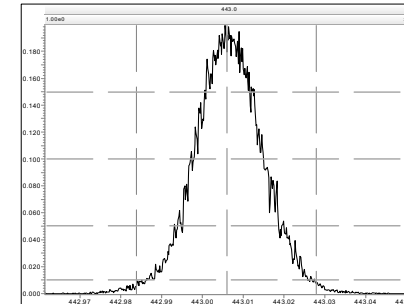
M 416.9760 R 11210



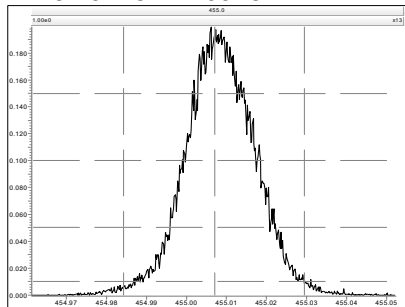
M 430.9728 R 11520



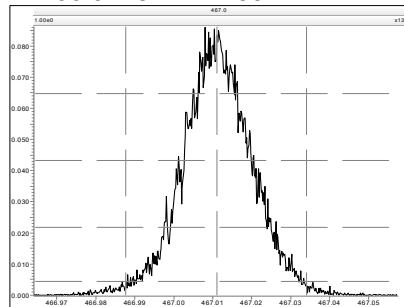
M 442.9728 R 11214



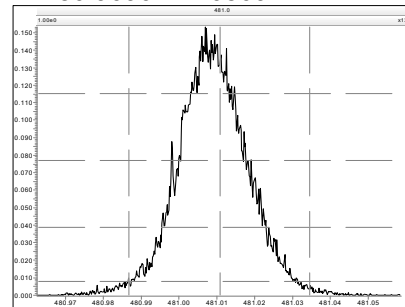
M 454.9728 R 10918



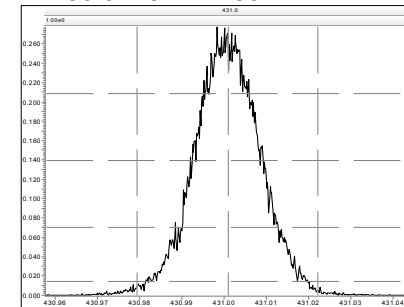
M 466.9728 R 11135



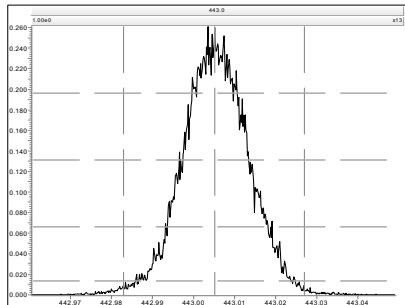
M 480.9696 R 10869



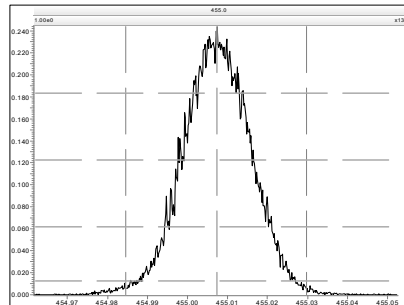
M 430.9728 R 11501



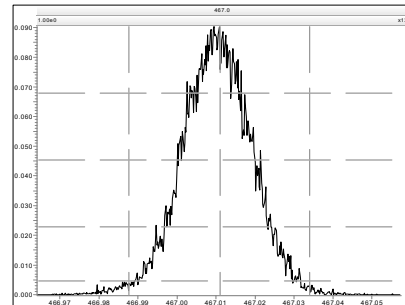
M 442.9728 R 11876



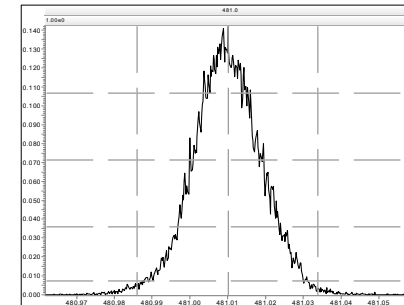
M 454.9728 R 11552



M 466.9728 R 11603



M 480.9696 R 11441



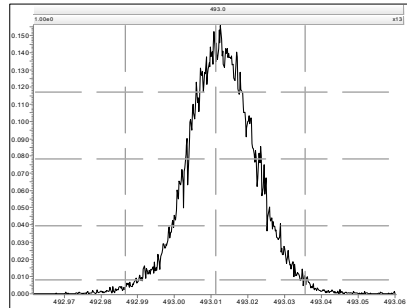
Resolution Check Report

MassLynx 4.1

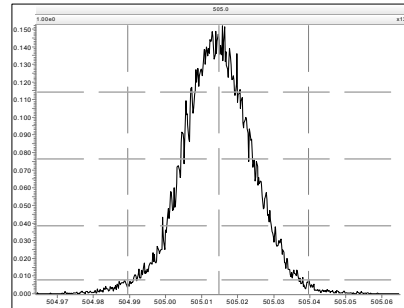
Page 6 of 6

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

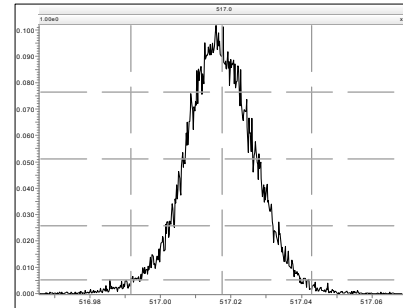
M 492.9696 R 11138



M 504.9696 R 10846



M 516.9697 R 11415



REVIEWED*By Todd Vilen at 3:06 pm, Jul 09, 2012***METHOD 1668B****PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_01102012_26JAN12
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 120703S04 Analysis Date: 03-JUL-2012 15:19:13
 Lab ID: OPR1_9892_PCB

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)		OK
PCB-1 2-MoCB	25	92.3	71	- 132	Y
PCB-3 4-MoCB	25	99.3	72	- 123	Y
PCB-4 22'-DiCB	25	102	73	- 114	Y
PCB-15 44'-DiCB	25	90.2	76	- 116	Y
PCB-19 22'6'-TrCB	25	92.3	79	- 109	Y
PCB-37 344'-TrCB	25	93.8	64	- 122	Y
PCB-54 22'66'-TeCB	25	102	76	- 114	Y
PCB-77 33'44'-TeCB	25	80.9	71	- 116	Y
PCB-81 344'5'-TeCB	25	83	70	- 116	Y
PCB-104 22'466'-PeCB	25	93.7	74	- 117	Y
PCB-105 233'44'-PeCB	25	85.6	73	- 117	Y
PCB-114 2344'5'-PeCB	25	79.7	74	- 113	Y
PCB-118 23'44'5'-PeCB	25	89.5	81	- 112	Y
PCB-123 23'44'5'-PeCB	25	95.4	74	- 109	Y
PCB-126 33'44'5'-PeCB	25	81	74	- 113	Y
PCB-155 22'44'66'-HxCB	25	89.4	79	- 112	Y
PCB-156/157 ...-HxCB	50	85.1	78	- 117	Y
PCB-167 23'44'55'-HxCB	25	82	79	- 107	Y
PCB-169 33'44'55'-HxCB	25	84.6	73	- 108	Y
PCB-188 22'34'566'-HpCB	25	94.2	81	- 113	Y
PCB-189 233'44'55'-HpCB	25	80.6	77	- 114	Y
PCB-202 22'33'55'66'-OcCB	25	101	74	- 112	Y
PCB-205 233'44'55'6-OcCB	25	88.1	79	- 115	Y
PCB-206 22'33'44'55'6-NoCB	25	90.3	76	- 115	Y
PCB-208 22'33'455'66'-NoCB	25	83.5	77	- 116	Y
PCB-209 DeCB	25	92.7	71	- 116	Y

Contract-required recovery limits for OPR as specified in Table 6,
 Method 1668B. 11/08

Processed: 06 Jul 2012 13:29 Analyst: LB

METHOD 1668B**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_01102012_26JAN12
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 120703S04 Analysis Date: 03-JUL-2012 15:19:13
 Lab ID: OPR1_9892_PCB

LABELED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)		OK
ES PCB-1	100	63.3	2	- 100	Y
ES PCB-3	100	60.1	13	- 100	Y
ES PCB-4	100	54.5	18	- 100	Y
ES PCB-15	100	59.6	10	- 118	Y
ES PCB-19	100	61.8	10	- 106	Y
ES PCB-37	100	74	24	- 128	Y
ES PCB-54	100	57.8	16	- 111	Y
ES PCB-77	100	91.7	43	- 105	Y
ES PCB-81	100	91.1	44	- 102	Y
ES PCB-104	100	49.7	30	- 115	Y
ES PCB-105	100	80.3	52	- 116	Y
ES PCB-114	100	77	39	- 117	Y
ES PCB-118	100	77.9	51	- 117	Y
ES PCB-123	100	70.3	52	- 118	Y
ES PCB-126	100	83.5	54	- 113	Y
ES PCB-153	100	-	40	- 120	-
ES PCB-155	100	70.8	40	- 121	Y
ES PCB-156/157	200	92.8	46	- 115	Y
ES PCB-167	100	92.8	63	- 115	Y
ES PCB-169	100	88.1	51	- 117	Y
ES PCB-170	100	-	40	- 120	-
ES PCB-180	100	-	40	- 120	-
ES PCB-188	100	63.5	33	- 121	Y
ES PCB-189	100	88.8	55	- 112	Y
ES PCB-202	100	79.3	33	- 136	Y
ES PCB-205	100	89.3	61	- 103	Y
ES PCB-206	100	90.5	51	- 107	Y
ES PCB-208	100	86	48	- 111	Y
ES PCB-209	100	82.6	52	- 111	Y
CLEANUP STANDARDS					
CS PCB-28	100	76	18	- 131	Y
CS PCB-111	100	81.9	64	- 113	Y
CS PCB-178	100	73.2	62	- 133	Y

Processed: 06 Jul 2012 13:29 Analyst: LB

Lab ID: OPR1_9892_PCB

ACQ: 03-Jul-2012 15:19:13 LKB Wt/Vol: 1 µL

ICAL: MM4_PCB_01102012_26JAN12

Client ID: OPR #73563

UTP: 05-Jul-2012 15:03 LKB J-level: 10 pg/uL Split: 1

Checkcode: 544-407-QZT

Datafile: 120703S04

RPT: 06-Jul-2012 13:29 LB Stds (pg): JS: 100 ES: 100 CS/SS: 100

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.26		1.0006	1.0006	0	1.16E+07	0.77	1.22	20.2	1.36E+03	0.0244
PCB-81 344'5'-TeCB	28.80		1.0006	1.0006	0	1.14E+07	0.75	1.24	20.8	1.36E+03	0.0239
PCB-105 233'44'-PeCB	32.21		1.0007	1.0007	0	7.93E+06	0.61	1.03	21.4	1.10E+03	0.0301
PCB-114 2344'5'-PeCB	31.68		1.0007	1.0007	0	7.73E+06	0.61	1.10	19.9	1.10E+03	0.0275
PCB-118 23'44'5'-PeCB	31.24		1.0008	1.0007	-0.2	8.36E+06	0.61	1.03	22.4	1.10E+03	0.0296
PCB-123 23'44'5'-PeCB	30.96		1.0007	1.0007	0	7.66E+06	0.60	0.93	23.9	1.10E+03	0.0351
PCB-126 33'44'5'-PeCB	34.81		1.0005	1.0006	+0.2	9.51E+06	0.61	1.11	20.2	1.53E+03	0.0349
PCB-156/157 ...-HxCB	37.35	C	1.0005	1.0006	+0.2	1.62E+07	1.27	1.05	42.5	1.10E+03	0.0388
PCB-167 23'44'55'-HxCB	36.40		1.0006	1.0006	0	8.06E+06	1.25	1.08	20.5	1.10E+03	0.0287
PCB-169 33'44'55'-HxCB	40.08		1.0005	1.0005	0	7.71E+06	1.27	1.04	21.2	1.10E+03	0.0327
PCB-189 233'44'55'-HpCB	42.21		1.0005	1.0005	0	9.89E+06	1.06	1.11	20.1	1.42E+03	0.0307
PCB-209 DeCB	47.21		1.0004	1.0004	0	6.71E+06	1.20	1.05	23.2	5.39E+02	0.0307
ES PCB-1	9.85		0.7181	0.7176	-0.3	5.26E+07	3.20	1.01	63.3 %	2%	100%
ES PCB-3	11.78		0.8583	0.8582	-0.1	5.18E+07	3.30	1.05	60.1 %	13%	100%
ES PCB-4	11.98		0.8732	0.8730	-0.1	3.12E+07	1.57	0.70	54.5 %	18%	100%
ES PCB-15	17.09		1.2453	1.2454	+0.1	5.72E+07	1.62	1.17	59.6 %	10%	118%
ES PCB-19	14.68		1.0698	1.0697	-0.1	2.87E+07	1.05	0.57	61.8 %	10%	106%
ES PCB-37	23.07		1.0865	1.0866	+0.1	4.39E+07	1.09	1.41	74 %	24%	128%
ES PCB-54	17.32		0.8157	0.8158	+0.1	3.21E+07	0.80	1.32	57.8 %	16%	111%
ES PCB-77	29.24		1.3777	1.3775	-0.4	4.69E+07	0.81	1.22	91.7 %	43%	105%
ES PCB-81	28.78		1.3557	1.3556	-0.2	4.41E+07	0.81	1.15	91.1 %	44%	102%
ES PCB-104	22.03		0.8147	0.8148	+0.1	3.12E+07	1.64	1.69	49.7 %	30%	115%
ES PCB-105	32.18		1.1906	1.1905	-0.2	3.61E+07	1.62	1.21	80.3 %	52%	116%
ES PCB-114	31.65		1.1709	1.1709	0	3.53E+07	1.60	1.23	77 %	39%	117%
ES PCB-118	31.21		1.1547	1.1546	-0.2	3.61E+07	1.62	1.25	77.9 %	51%	117%
ES PCB-123	30.94		1.1444	1.1444	0	3.47E+07	1.58	1.33	70.3 %	52%	118%
ES PCB-126	34.79		1.2871	1.2871	0	4.22E+07	1.60	1.36	83.5 %	54%	113%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.86		0.7939	0.7939	0	3.45E+07	1.27	1.40	70.8 %	40%	121%
ES PCB-156/157	37.33		1.1035	1.1036	+0.2	7.29E+07	1.27	1.13	92.8 %	46%	115%
ES PCB-167	36.37		1.0753	1.0753	0	3.64E+07	1.27	1.13	92.8 %	63%	115%
ES PCB-169	40.06		1.1842	1.1843	+0.2	3.49E+07	1.27	1.14	88.1 %	51%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.66		0.7204	0.7203	-0.2	2.95E+07	1.09	1.34	63.5 %	33%	121%
ES PCB-189	42.19		0.9598	0.9597	-0.3	4.42E+07	1.07	1.77	88.8 %	55%	112%
ES PCB-202	36.18		0.8230	0.8229	-0.2	3.50E+07	0.90	1.27	79.3 %	33%	136%
ES PCB-205	44.36		1.0090	1.0090	0	3.14E+07	0.91	1.25	89.3 %	61%	103%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.83		1.0424	1.0425	+0.3	2.72E+07	0.79	1.07	90.5 %	51%	107%
ES PCB-208	41.80		0.9508	0.9507	-0.3	3.24E+07	0.79	1.34	86 %	48%	111%
ES PCB-209	47.19		1.0732	1.0733	+0.3	2.76E+07	1.20	1.18	82.6 %	52%	111%
CS/SS PCB-28	19.68		0.9269	0.9270	+0.1	4.42E+07	1.06	0.98	103 %	18%	131%
CS/SS PCB-111	29.31	V	1.0843	1.0842	-0.2	3.63E+07	1.58	0.90	117 %	64%	113%
CS/SS PCB-178	34.23		1.0118	1.0118	0	2.21E+07	1.12	0.65	115 %	62%	133%
CS PCB-28	19.68		0.9269	0.9270	+0.1	4.42E+07	1.06	1.39	76 %	18%	131%
CS PCB-111	29.31		1.0843	1.0842	-0.2	3.63E+07	1.58	1.19	81.9 %	64%	113%
CS PCB-178	34.23		1.0118	1.0118	0	2.21E+07	1.12	0.87	73.2 %	62%	133%
JS PCB-9	13.72					8.19E+07	1.61				
JS PCB-52	21.23					4.20E+07	0.78				
JS PCB-101	27.03					3.72E+07	1.61				
JS PCB-138	33.83					3.47E+07	1.24				
JS PCB-194	43.96					2.82E+07	0.93				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	47.9	47.9	0.0253		
						Di-CBs	48	48	0.503		
						Tri-CBs	46.5	46.5	0.0401		
						Tetra-CBs	66.5	66.5	0.0239		
						Penta-CBs	131	131	0.0314		
						Hexa-CBs	107	107	0.0309		
						Hepta-CBs	43.7	43.7	0.0416		
						Octa-CBs	47.3	47.3	0.0304		
						Nona-CBs	43.4	43.4	0.0306		
PCB-1 2-MoCB	9.86		1.0011	1.0011	0	1.45E+07	3.15	1.20	23.1	2.80E+03	0.0218
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00		1.13	ND	2.80E+03	0.0288
PCB-3 4-MoCB	11.79		1.0010	1.0010	0	1.45E+07	3.14	1.13	24.8	2.80E+03	0.0288
PCB-4 22'-DiCB	12.00		1.0012	1.0011	-0.1	7.49E+06	1.57	0.94	25.4	3.40E+04	0.682
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.43	ND	3.40E+04	0.45
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.87	ND	2.20E+04	0.374
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.00	ND	2.20E+04	0.324
PCB-6 23'-DiCB	NotFnd		1.0261	-		0.00E+00		0.94	ND	2.20E+04	0.346
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.92	ND	2.20E+04	0.353
PCB-8 24'-DiCB	NotFnd		1.0533	-		0.00E+00		0.95	ND	2.20E+04	0.342
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.09	ND	2.20E+04	0.297
PCB-11 33'-DiCB	NotFnd		0.9701	-		0.00E+00		0.98	ND	2.20E+04	0.333
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00		0.97	ND	2.20E+04	0.335
PCB-15 44'-DiCB	17.11		1.0008	1.0009	+0.1	1.30E+07	1.52	1.01	22.5	2.20E+04	0.323

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.70		1.0011	1.0011	0	6.70E+06	1.04	1.01	23.1	1.64E+03	0.0417
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1110	-		0.00E+00		1.29	ND	1.64E+03	0.0326
PCB-17 22'4-TrCB	NotFnd		1.1357	-		0.00E+00		1.14	ND	1.64E+03	0.0371
PCB-27 23'6-TrCB	NotFnd		1.1479	-		0.00E+00		1.48	ND	1.64E+03	0.0284
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.43	ND	1.64E+03	0.0294
PCB-16 22'3-TrCB	NotFnd		1.1612	-		0.00E+00		0.89	ND	1.64E+03	0.0471
PCB-32 24'6-TrCB	NotFnd		1.1923	-		0.00E+00		1.56	ND	1.64E+03	0.027
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.18	ND	2.15E+03	0.0391
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.19	ND	2.15E+03	0.0389
PCB-26/29 23'5/245-TrCB	NotFnd	C	0.8236	-		0.00E+00		1.20	ND	2.15E+03	0.0384
PCB-25 23'4-TrCB	NotFnd		0.8315	-		0.00E+00		1.19	ND	2.15E+03	0.0387
PCB-31 24'5-TrCB	NotFnd		0.8430	-		0.00E+00		1.23	ND	2.15E+03	0.0376
PCB-28/20 244'/233'-TrCB	NotFnd	C	0.8542	-		0.00E+00		1.18	ND	2.15E+03	0.0391
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8612	-		0.00E+00		1.21	ND	2.15E+03	0.038
PCB-22 234'-TrCB	NotFnd		0.8766	-		0.00E+00		1.11	ND	2.15E+03	0.0413
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.21	ND	2.15E+03	0.038
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.32	ND	2.15E+03	0.035
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.15	ND	2.15E+03	0.0399
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00		1.13	ND	2.15E+03	0.0406
PCB-37 344'-TrCB	23.09		1.0008	1.0008	0	1.23E+07	1.04	1.20	23.4	2.15E+03	0.0385
PCB-54 22'66'-TeCB	17.34		1.0010	1.0011	+0.1	7.62E+06	0.79	0.93	25.5	9.53E+02	0.0259
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9051	-		0.00E+00		0.83	ND	8.47E+02	0.0223
PCB-45 22'36-TeCB	NotFnd		0.9304	-		0.00E+00		0.71	ND	8.47E+02	0.0263
PCB-51 22'46'-TeCB	NotFnd		0.9340	-		0.00E+00		0.88	ND	8.47E+02	0.0211
PCB-46 22'36'-TeCB	NotFnd		0.9429	-		0.00E+00		0.69	ND	8.47E+02	0.0267
PCB-52 22'55'-TeCB	NotFnd		1.0010	-		0.00E+00		0.80	ND	8.47E+02	0.0231
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		1.03	ND	8.47E+02	0.018
PCB-43 22'35-TeCB	NotFnd		1.0106	-		0.00E+00		0.71	ND	8.47E+02	0.0263
PCB-69/49 23'46/22'45'-TeCB	NotFnd	C	1.0198	-		0.00E+00		0.96	ND	8.47E+02	0.0193
PCB-48 22'45-TeCB	NotFnd		1.0319	-		0.00E+00		0.84	ND	8.47E+02	0.0222
PCB-44/47/65 ...-TeCB	NotFnd	C	1.0416	-		0.00E+00		0.86	ND	8.47E+02	0.0216
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0541	-		0.00E+00		1.09	ND	8.47E+02	0.017
PCB-42 22'34'-TeCB	NotFnd		1.0612	-		0.00E+00		0.77	ND	8.47E+02	0.0242
PCB-41 22'34-TeCB	NotFnd		1.0759	-		0.00E+00		0.73	ND	8.47E+02	0.0256
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0806	-		0.00E+00		0.81	ND	8.47E+02	0.0228
PCB-64 234'6-TeCB	NotFnd		1.0899	-		0.00E+00		1.17	ND	8.47E+02	0.0159
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00		1.25	ND	1.36E+03	0.0237
PCB-68 23'45'-TeCB	NotFnd		0.8379	-		0.00E+00		1.36	ND	1.36E+03	0.0218
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.22	ND	1.36E+03	0.0243
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.26	ND	1.36E+03	0.0236
PCB-67 23'45-TeCB	NotFnd		0.8620	-		0.00E+00		1.27	ND	1.36E+03	0.0233
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00		1.34	ND	1.36E+03	0.0222
PCB-61/70/74/76 ...-TeCB	NotFnd	C	0.8792	-		0.00E+00		1.24	ND	1.36E+03	0.0239
PCB-66 23'44'-TeCB	NotFnd		0.8888	-		0.00E+00		1.19	ND	1.36E+03	0.025
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.22	ND	1.36E+03	0.0244

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9080	-		0.00E+00		1.18	ND	1.36E+03	0.0252
PCB-60 2344'-TeCB	NotFnd		0.9144	-		0.00E+00		1.24	ND	1.36E+03	0.024
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.37	ND	1.36E+03	0.0216
PCB-79 33'45'-TeCB	NotFnd		0.9718	-		0.00E+00		1.37	ND	1.36E+03	0.0217
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.19	ND	1.36E+03	0.0249
PCB-104 22'466'-PeCB	22.05		1.0010	1.0009	-0.1	6.70E+06	0.64	0.92	23.4	1.00E+03	0.0311
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.81	ND	1.00E+03	0.0352
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.78	ND	1.10E+03	0.0418
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.71	ND	1.10E+03	0.0455
PCB-95 22'35'6'-PeCB	NotFnd		0.9082	-		0.00E+00		0.74	ND	1.10E+03	0.0437
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.75	ND	1.10E+03	0.0435
PCB-102 22'456'-PeCB	NotFnd		0.9198	-		0.00E+00		0.75	ND	1.10E+03	0.0433
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.71	ND	1.10E+03	0.0456
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.66	ND	1.10E+03	0.0488
PCB-91 22'34'6'-PeCB	NotFnd		0.9352	-		0.00E+00		0.84	ND	1.10E+03	0.0387
PCB-84 22'33'6'-PeCB	NotFnd		0.9416	-		0.00E+00		0.65	ND	1.10E+03	0.0499
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.69	ND	1.10E+03	0.0472
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		0.98	ND	1.10E+03	0.033
PCB-92 22'355'-PeCB	NotFnd		0.9825	-		0.00E+00		0.72	ND	1.10E+03	0.0453
PCB-113/90/101 ...-PeCB	NotFnd	C	0.9999	-		0.00E+00		0.81	ND	1.10E+03	0.0401
PCB-83 22'33'5'-PeCB	NotFnd		1.0150	-		0.00E+00		0.62	ND	1.10E+03	0.0521
PCB-99 22'44'5'-PeCB	NotFnd		1.0190	-		0.00E+00		0.76	ND	1.10E+03	0.0424
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		0.96	ND	1.10E+03	0.0337
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0347	-		0.00E+00		0.83	ND	1.10E+03	0.0393
PCB-117 234'56'-PeCB	NotFnd		1.0539	-		0.00E+00		0.94	ND	1.10E+03	0.0345
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0566	-		0.00E+00		0.81	ND	1.10E+03	0.0401
PCB-110 233'4'6'-PeCB	NotFnd		1.0615	-		0.00E+00		0.92	ND	1.10E+03	0.0352
PCB-115 2344'6'-PeCB	NotFnd		1.0644	-		0.00E+00		0.95	ND	1.10E+03	0.0342
PCB-82 22'33'4'-PeCB	NotFnd		1.0711	-		0.00E+00		0.62	ND	1.10E+03	0.0526
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		0.98	ND	1.10E+03	0.0329
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		0.99	ND	1.10E+03	0.0327
PCB-107/124 ...-PeCB	NotFnd	C	0.9909	-		0.00E+00		0.92	ND	1.10E+03	0.0353
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		1.00	ND	1.10E+03	0.0326
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.96	ND	1.10E+03	0.0337
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.93	ND	1.10E+03	0.0325
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		1.04	ND	1.10E+03	0.0297
PCB-155 22'44'66'-HxCB	26.88		1.0008	1.0008	0	8.13E+06	1.27	1.06	22.3	8.59E+02	0.0234
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.98	ND	8.59E+02	0.0252
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		0.99	ND	8.59E+02	0.0251
PCB-136 22'33'66'-HxCB	NotFnd		1.0216	-		0.00E+00		0.92	ND	8.59E+02	0.0269
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.94	ND	8.59E+02	0.0263
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.73	ND	8.59E+02	0.0337
PCB-151/135 ...-HxCB	NotFnd	C	1.0986	-		0.00E+00		0.71	ND	8.59E+02	0.0348
PCB-154 22'44'56'-HxCB	NotFnd		1.1067	-		0.00E+00		0.78	ND	8.59E+02	0.0315
PCB-144 22'345'6'-HxCB	NotFnd		1.1158	-		0.00E+00		0.72	ND	8.59E+02	0.0343

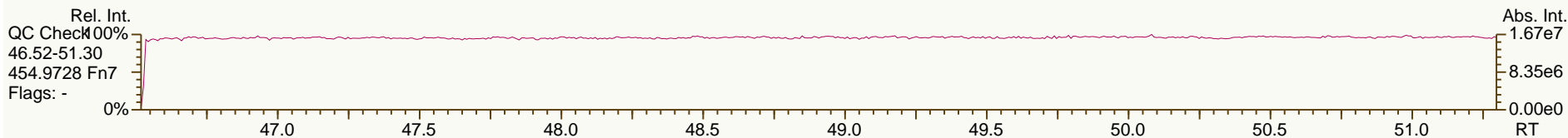
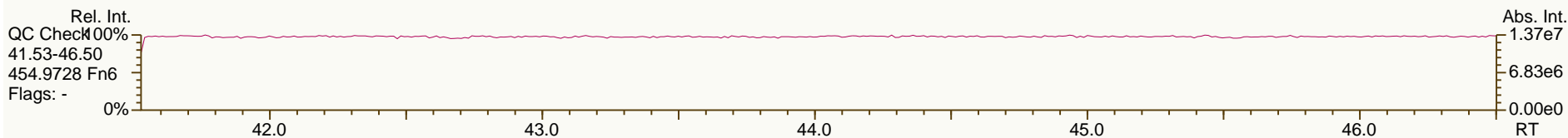
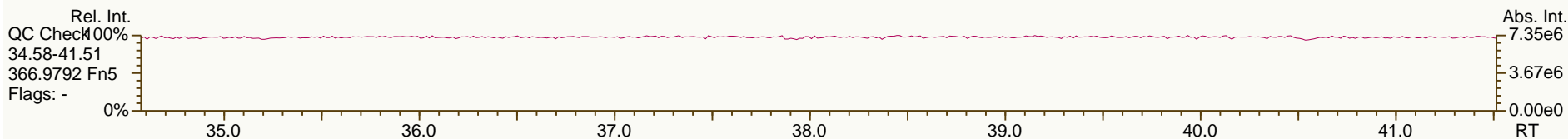
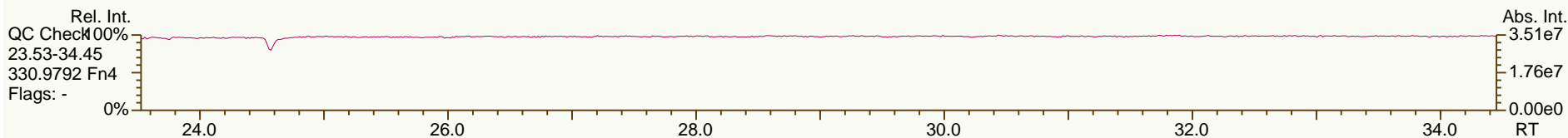
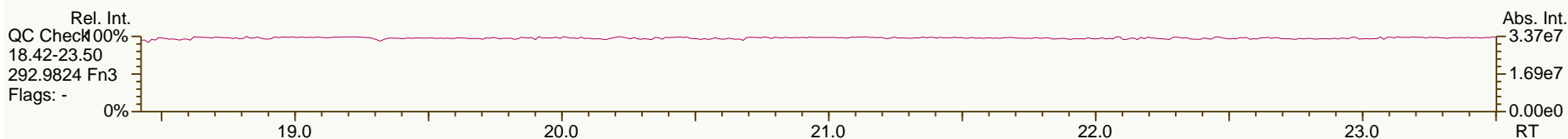
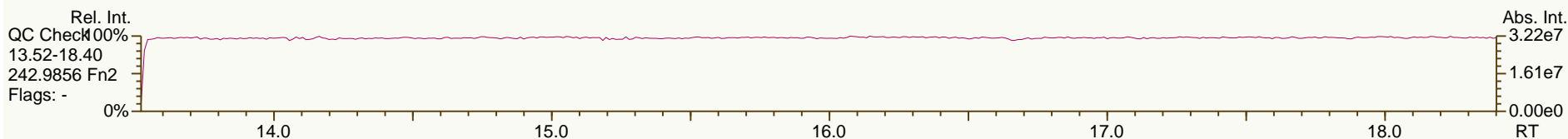
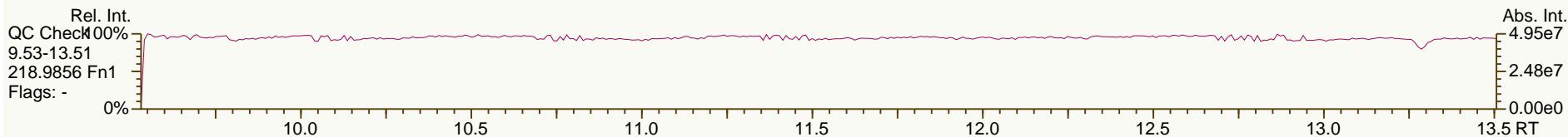
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	NotFnd	C	1.1269	-		0.00E+00		0.72	ND	8.59E+02	0.0341
PCB-134 22'33'56"-HxCB	NotFnd		1.1326	-		0.00E+00		0.61	ND	8.59E+02	0.0407
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00		0.69	ND	8.59E+02	0.0357
PCB-139/140 ...-HxCB	NotFnd	C	1.1458	-		0.00E+00		0.73	ND	8.59E+02	0.0336
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00		0.65	ND	8.59E+02	0.0382
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.67	ND	8.59E+02	0.0367
PCB-132 22'33'46"-HxCB	NotFnd		1.1655	-		0.00E+00		0.68	ND	8.59E+02	0.0364
PCB-133 22'33'55"-HxCB	NotFnd		1.1826	-		0.00E+00		0.69	ND	8.59E+02	0.0359
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.82	ND	8.59E+02	0.03
PCB-146 22'34'55"-HxCB	NotFnd		0.9550	-		0.00E+00		0.73	ND	8.59E+02	0.0338
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.93	ND	8.59E+02	0.0267
PCB-153/168 ...-HxCB	NotFnd	C	0.9709	-		0.00E+00		0.89	ND	8.59E+02	0.0278
PCB-141 22'34'55"-HxCB	NotFnd		0.9746	-		0.00E+00		0.71	ND	8.59E+02	0.0349
PCB-130 22'33'45"-HxCB	NotFnd		0.9847	-		0.00E+00		0.64	ND	8.59E+02	0.0388
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9904	-		0.00E+00		0.78	ND	8.59E+02	0.0318
PCB-164 233'4'5'6"-HxCB	NotFnd		0.9930	-		0.00E+00		0.88	ND	8.59E+02	0.0281
PCB-163/138/129 ...-HxCB	NotFnd	C	1.0012	-		0.00E+00		0.76	ND	8.59E+02	0.0324
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.88	ND	8.59E+02	0.0279
PCB-158 233'44'6"-HxCB	NotFnd		1.0106	-		0.00E+00		0.96	ND	8.59E+02	0.0257
PCB-128/166 ...-HxCB	NotFnd	C	0.9593	-		0.00E+00		0.86	ND	1.10E+03	0.036
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.03	ND	1.10E+03	0.0303
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.04	ND	1.10E+03	0.0299
PCB-188 22'34'566"-HpCB	31.69		1.0007	1.0007	0	7.41E+06	1.09	1.07	23.6	8.22E+02	0.0273
PCB-179 22'33'566"-HpCB	NotFnd		1.0089	-		0.00E+00		0.98	ND	8.22E+02	0.0297
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00		0.97	ND	8.22E+02	0.0299
PCB-176 22'33'466"-HpCB	NotFnd		1.0324	-		0.00E+00		1.06	ND	8.22E+02	0.0273
PCB-186 22'34'566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.02	ND	8.22E+02	0.0286
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0816	-		0.00E+00		0.77	ND	8.22E+02	0.0377
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00		0.70	ND	1.27E+03	0.0641
PCB-187 22'34'55'6"-HpCB	NotFnd		1.1057	-		0.00E+00		0.73	ND	1.27E+03	0.0612
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.74	ND	1.27E+03	0.0603
PCB-183 22'34'4'5'6"-HpCB	NotFnd		1.1219	-		0.00E+00		0.75	ND	1.27E+03	0.0598
PCB-185 22'34'55'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.73	ND	1.27E+03	0.0615
PCB-174 22'33'456"-HpCB	NotFnd		1.1276	-		0.00E+00		0.63	ND	1.27E+03	0.0714
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1393	-		0.00E+00		0.64	ND	1.27E+03	0.0701
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.72	ND	1.27E+03	0.0627
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00		0.64	ND	1.27E+03	0.0704
PCB-172 22'33'455"-HpCB	NotFnd		0.9003	-		0.00E+00		0.69	ND	1.27E+03	0.0442
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.91	ND	1.27E+03	0.0335
PCB-180/193 ...-HpCB	NotFnd	C	0.9127	-		0.00E+00		0.84	ND	1.27E+03	0.0361
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00		0.94	ND	1.27E+03	0.0323
PCB-170 22'33'44'5"-HpCB	NotFnd		0.9380	-		0.00E+00		0.70	ND	1.27E+03	0.0436
PCB-190 233'44'56"-HpCB	NotFnd		0.9486	-		0.00E+00		0.94	ND	1.27E+03	0.0322
PCB-202 22'33'55'66"-OoCB	36.20		1.0006	1.0006	0	7.30E+06	0.87	0.83	25.3	9.56E+02	0.0367
PCB-201 22'33'45'66"-OoCB	NotFnd		1.0221	-		0.00E+00		0.93	ND	9.56E+02	0.0328

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.89	ND	9.56E+02	0.0341
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		0.91	ND	9.56E+02	0.0333
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.93	ND	9.56E+02	0.0327
PCB-198/199 ...-OcCB	NotFnd	C	1.1102	-		0.00E+00		0.68	ND	9.56E+02	0.0444
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1260	-		0.00E+00		0.72	ND	9.56E+02	0.0424
PCB-203 22'344'55'6-OcCB	NotFnd		1.1306	-		0.00E+00		0.74	ND	9.56E+02	0.0412
PCB-195 22'33'44'56-OcCB	NotFnd		0.9469	-		0.00E+00		0.81	ND	7.55E+02	0.0323
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9915	-		0.00E+00		0.86	ND	7.55E+02	0.0305
PCB-205 233'44'55'6-OcCB	44.38		1.0004	1.0004	0	7.56E+06	0.91	1.09	22	7.55E+02	0.024
PCB-208 22'33'455'66'-NoCB	41.82		1.0005	1.0005	0	6.61E+06	0.80	0.98	20.9	6.70E+02	0.0274
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		1.02	ND	6.70E+02	0.0263
PCB-206 22'33'44'55'6-NoCB	45.85		1.0004	1.0004	0	5.74E+06	0.77	0.93	22.6	6.70E+02	0.0338

AP Lab ID: OPR1_9892_PCB
Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

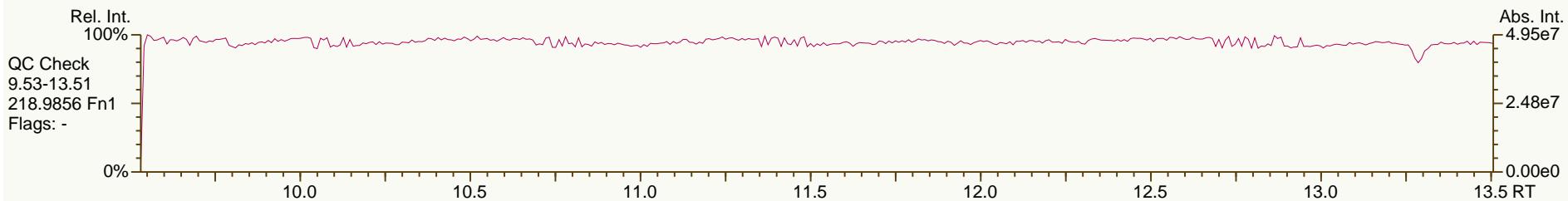
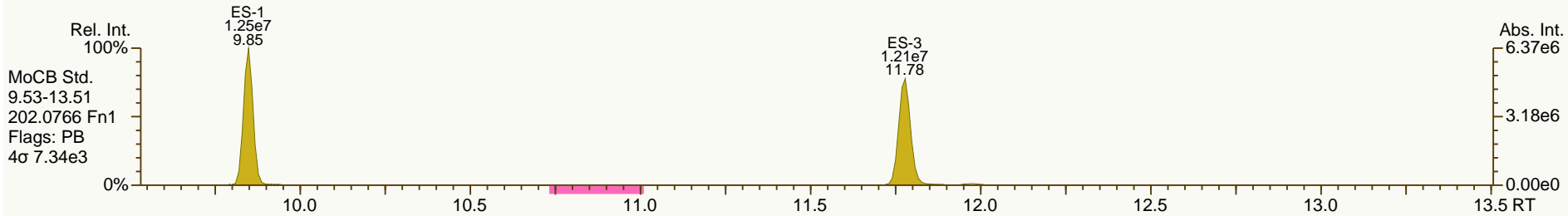
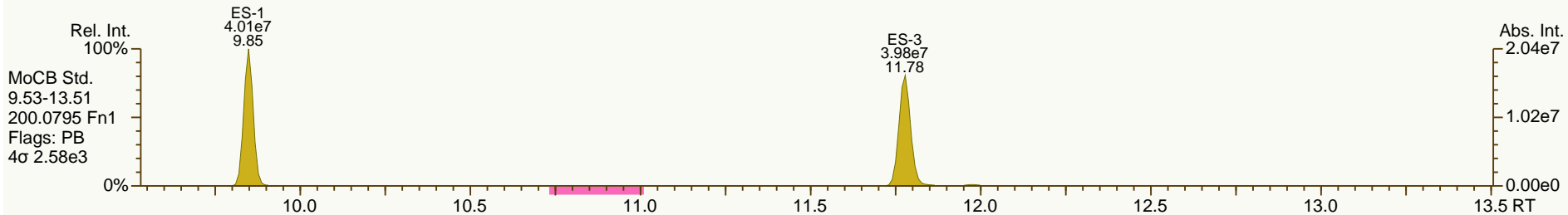
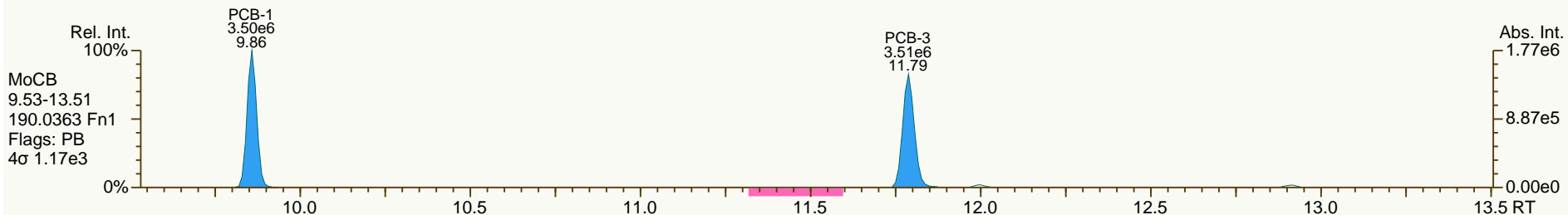
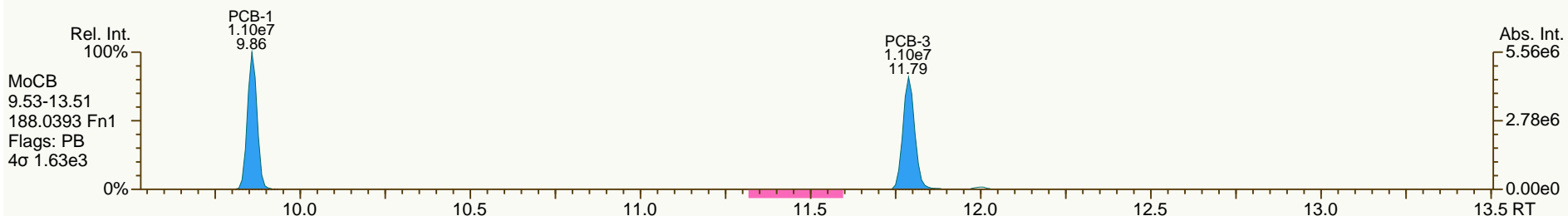
Acq: 03-Jul-2012 15:19:13
User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

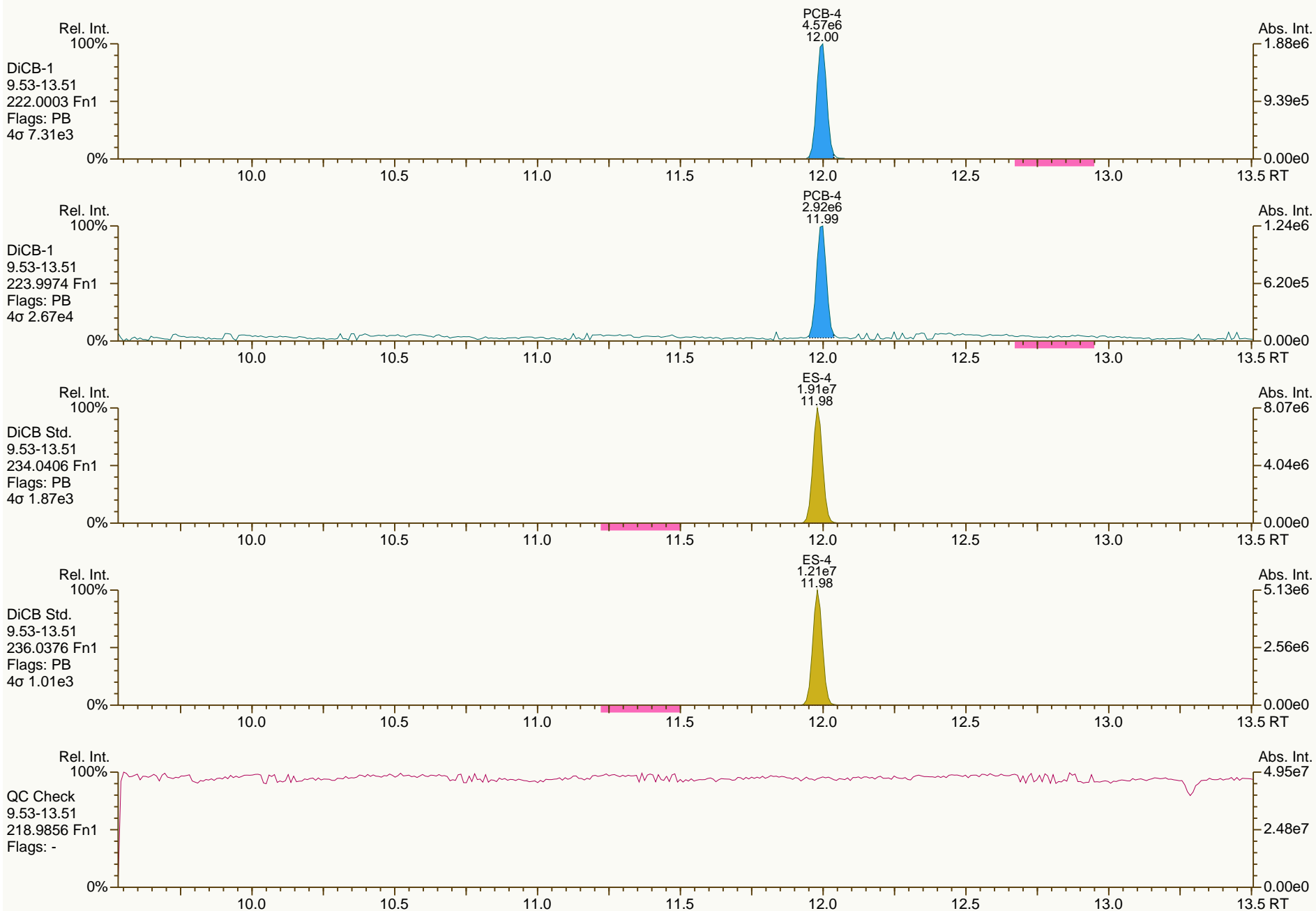
Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

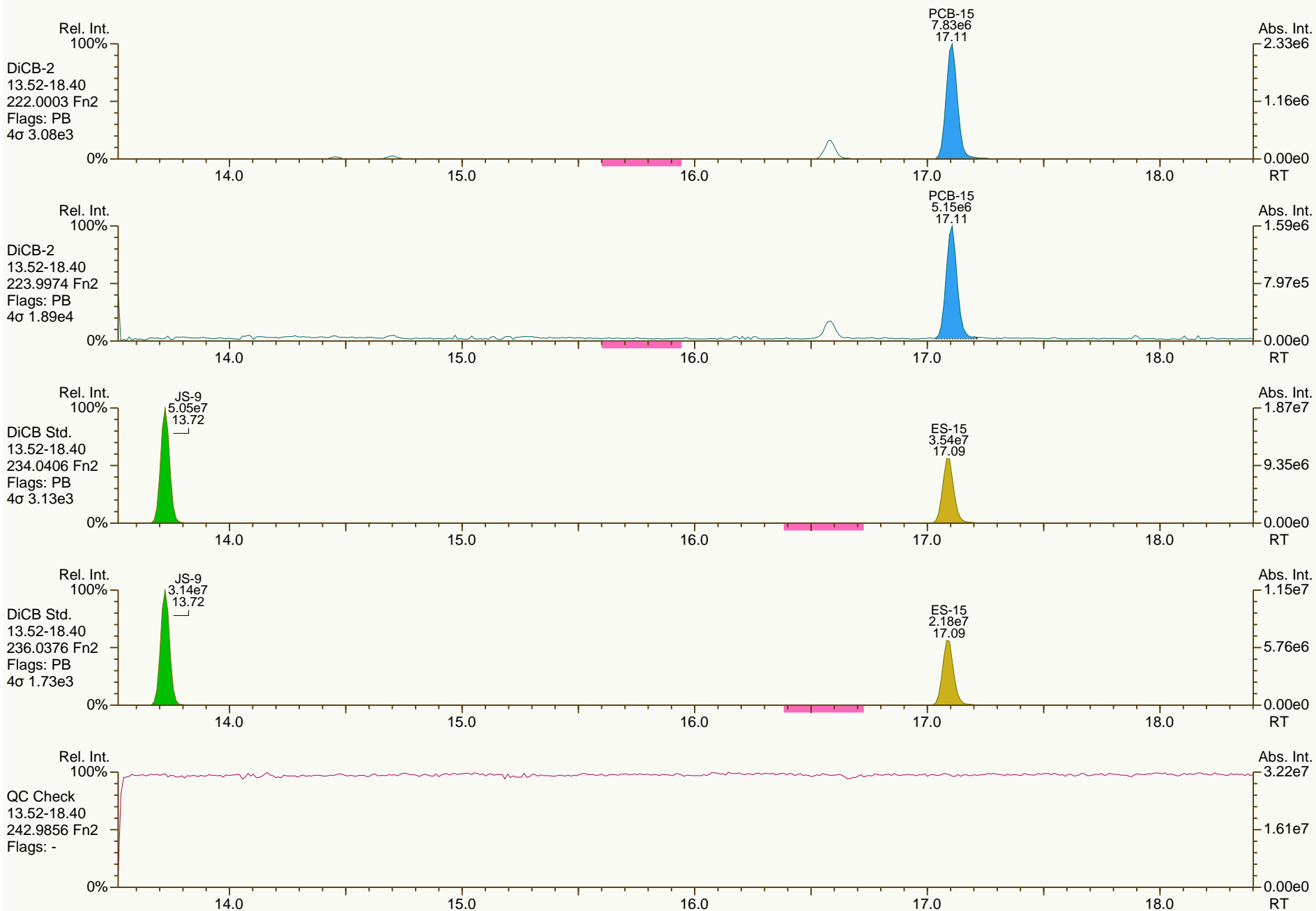
Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

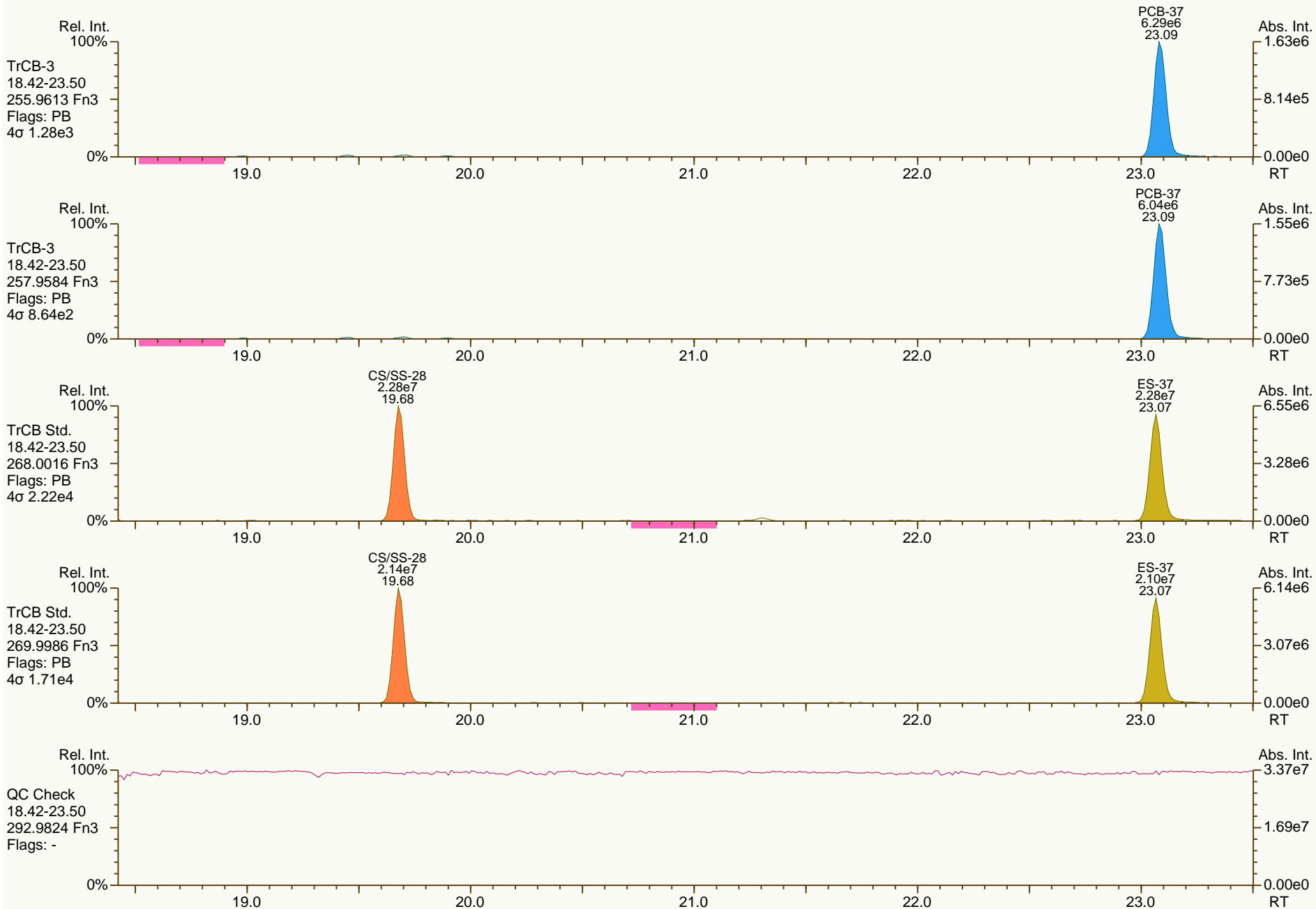
Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

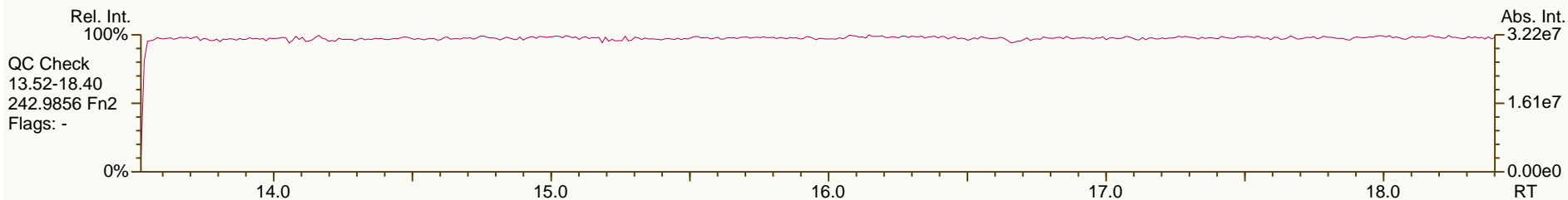
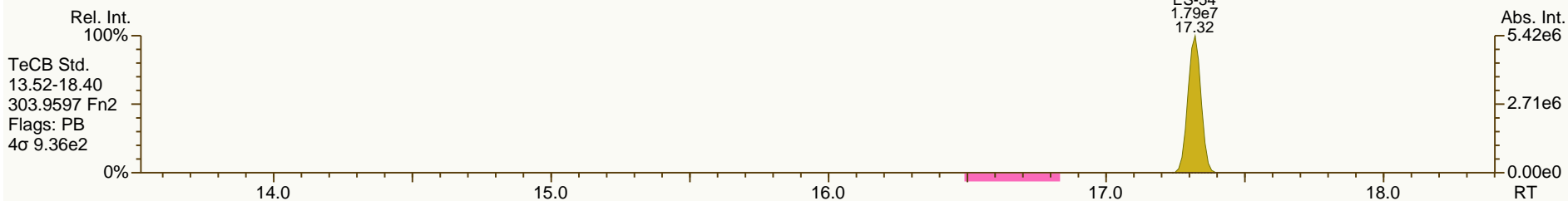
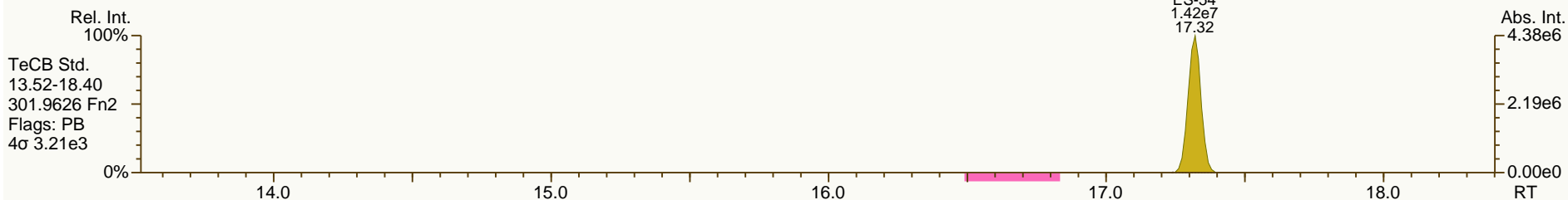
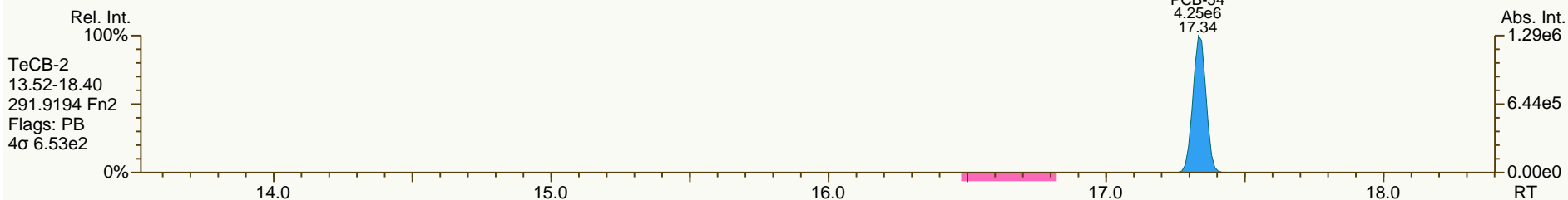
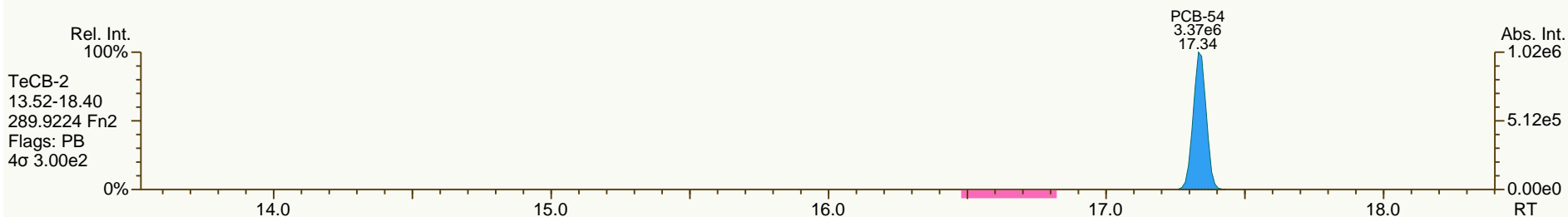
Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

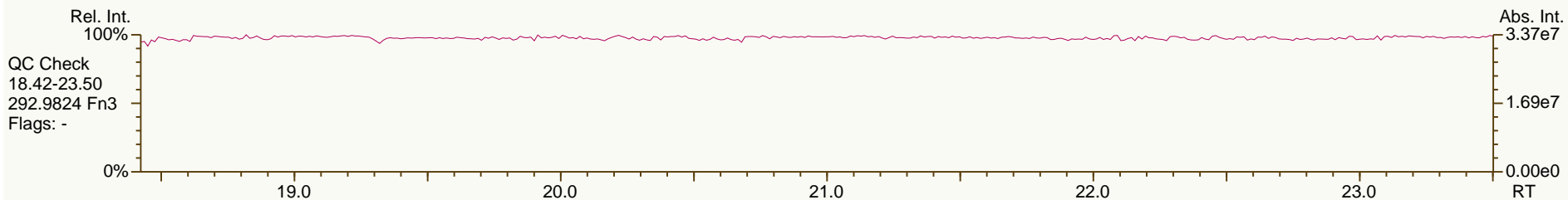
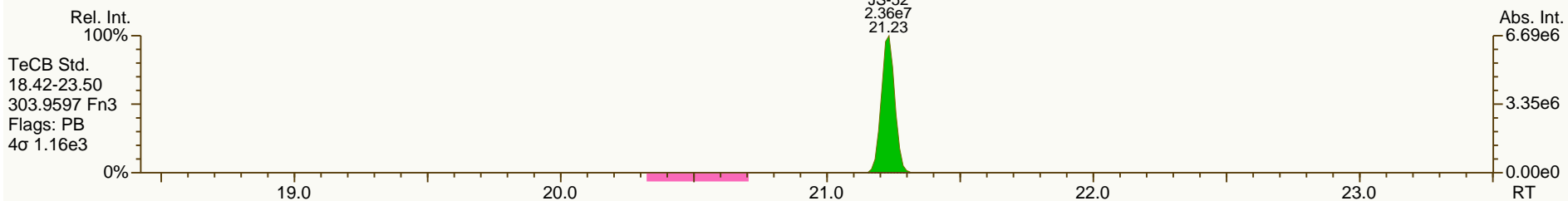
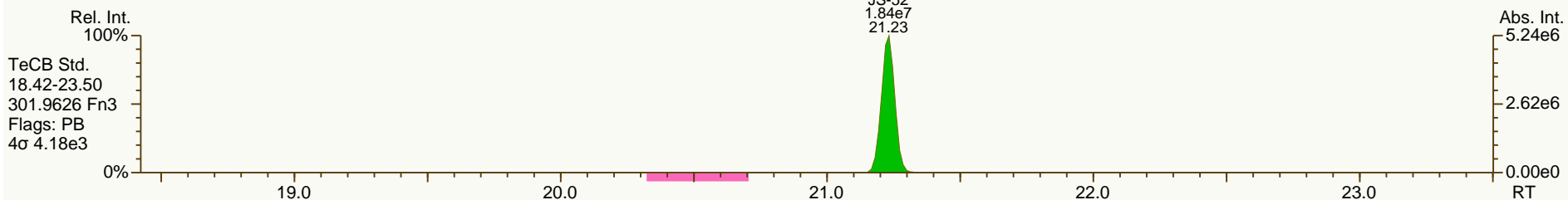
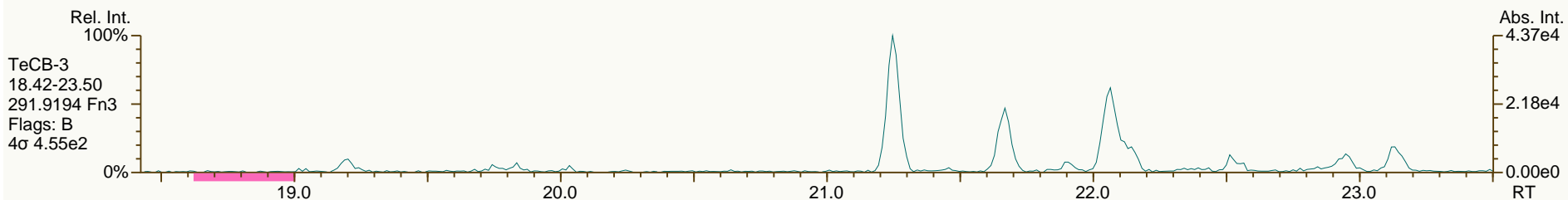
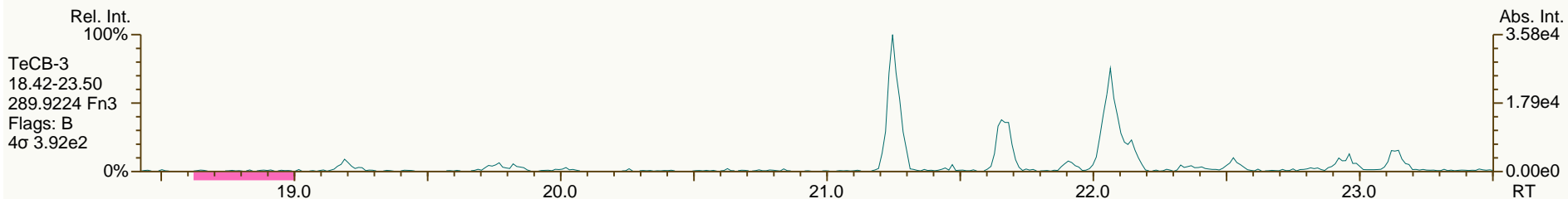
Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

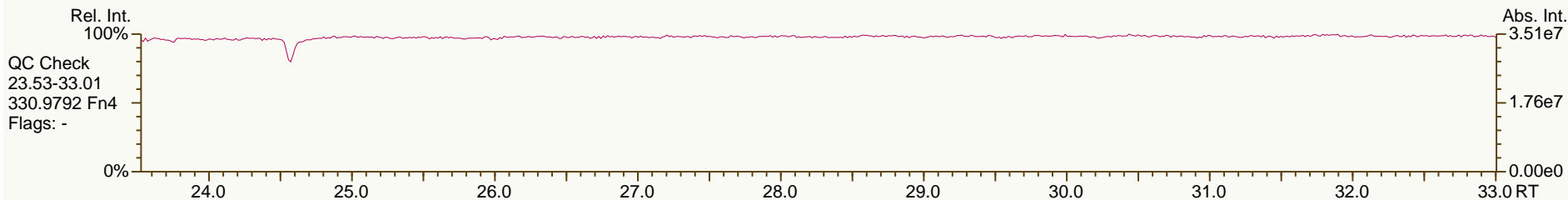
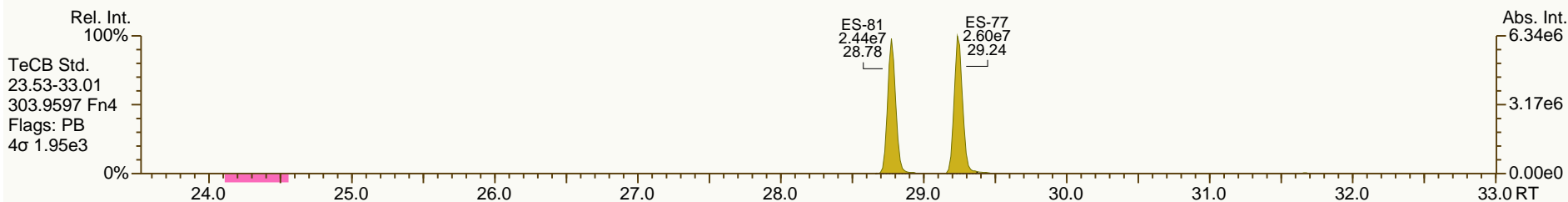
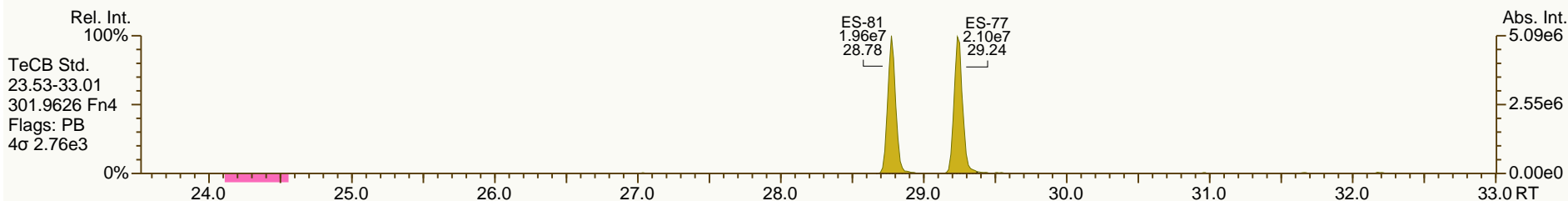
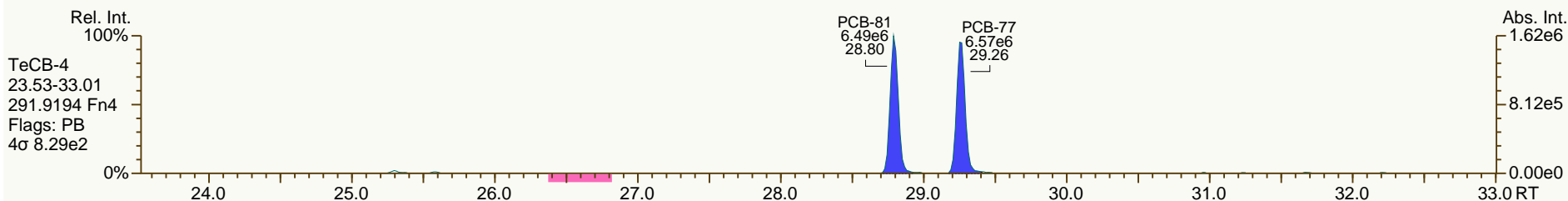
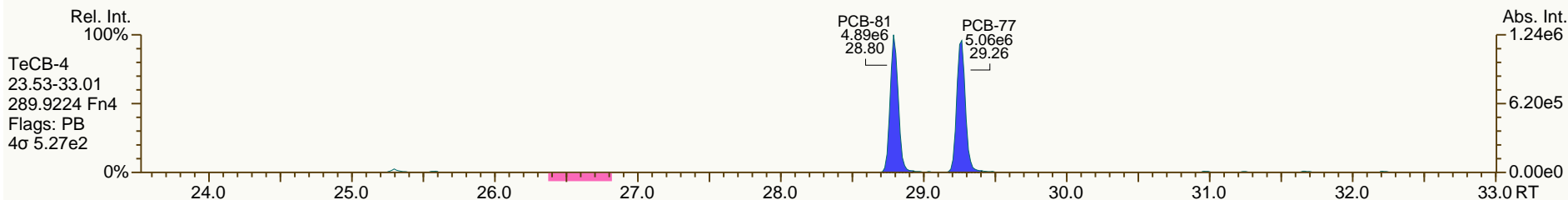
Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

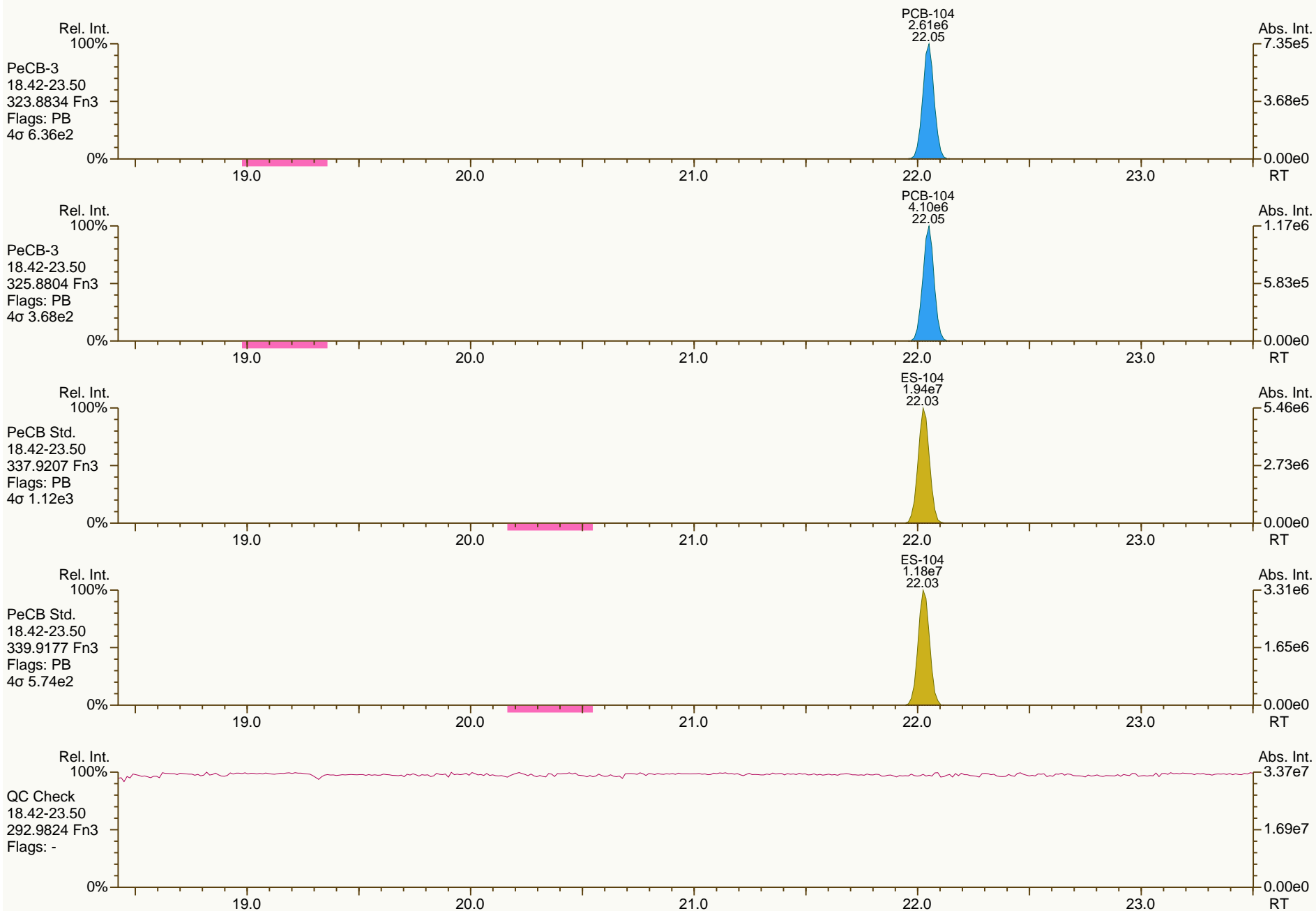
Acq: 03-Jul-2012 15:19:13
User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

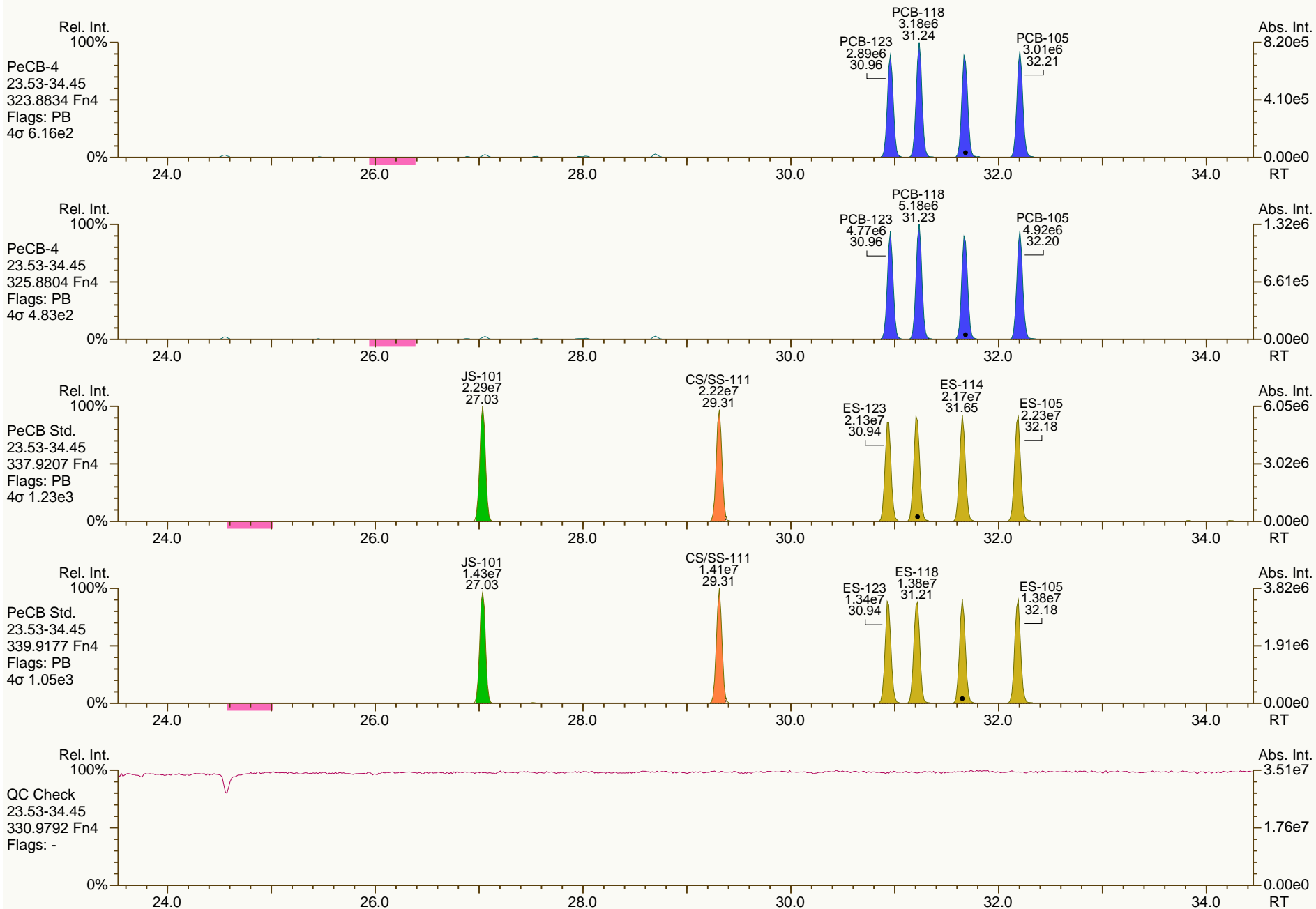
Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

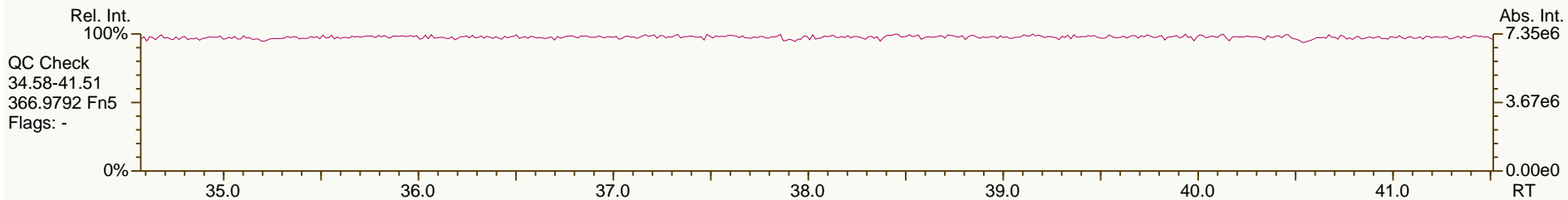
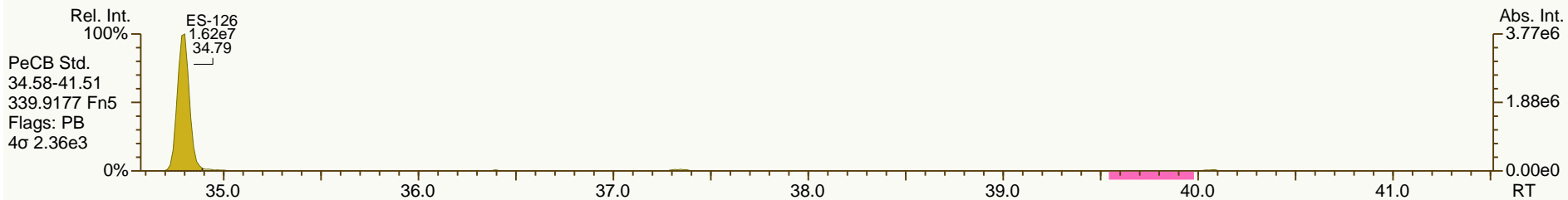
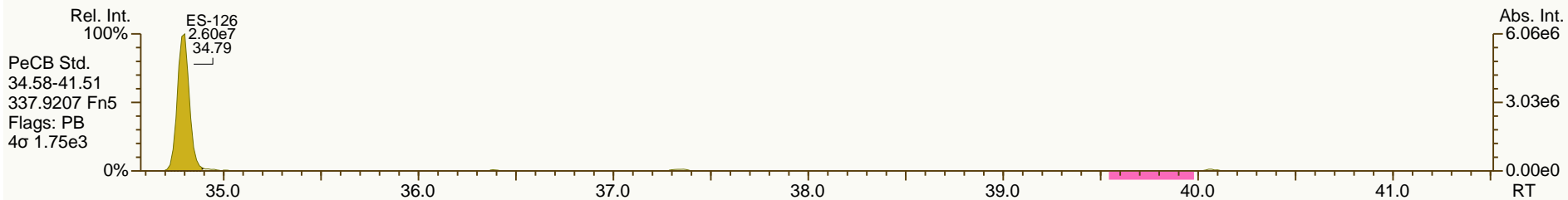
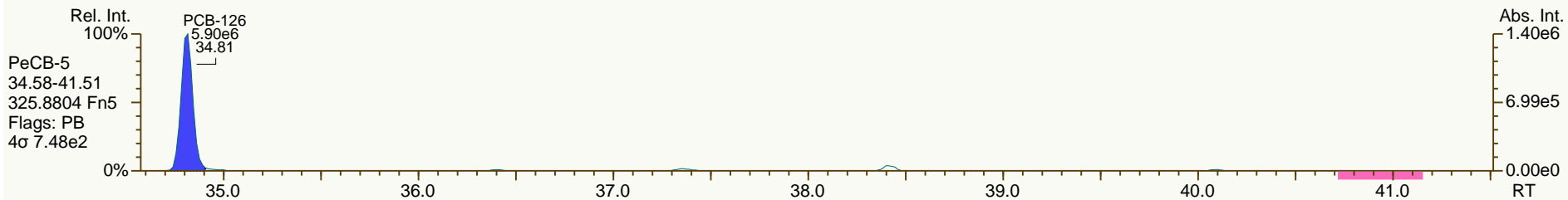
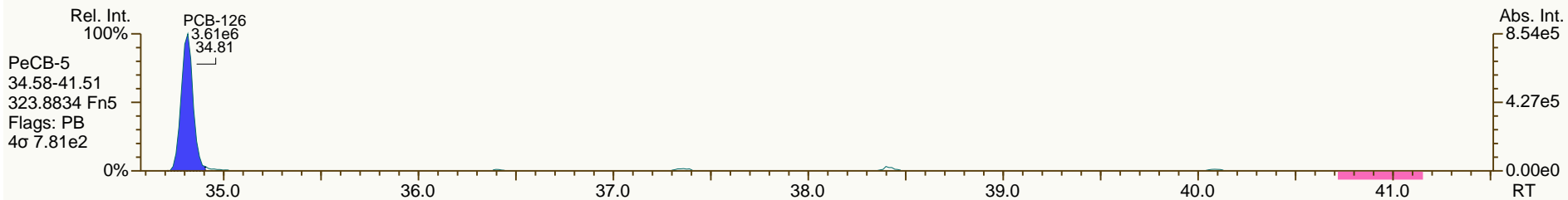
Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

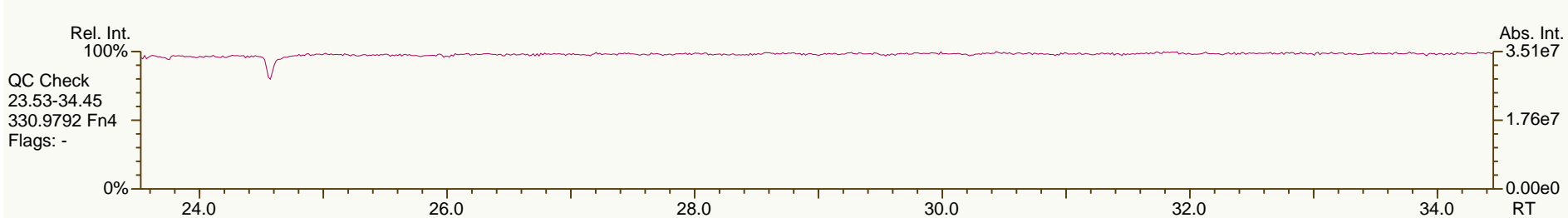
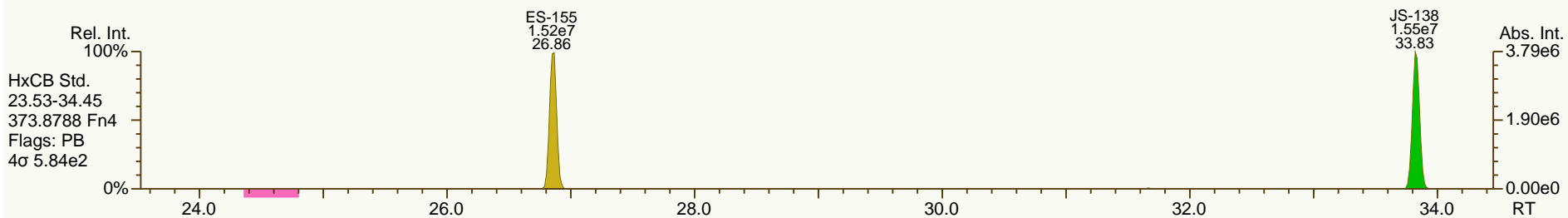
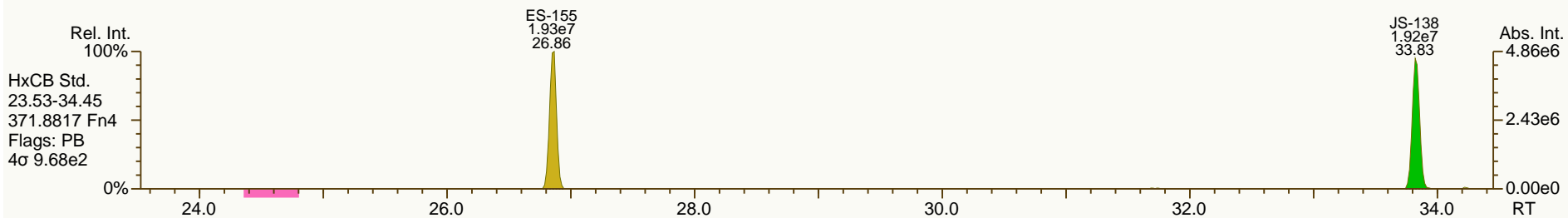
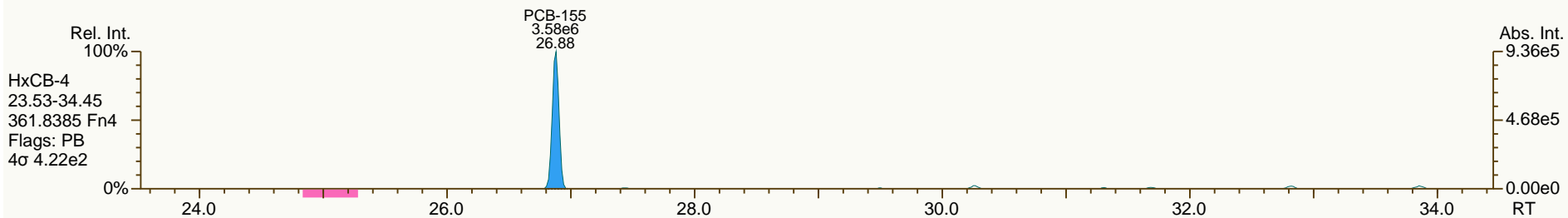
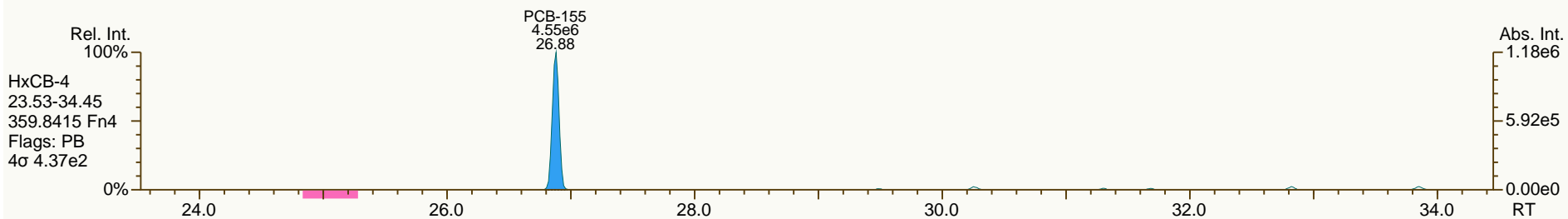
Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

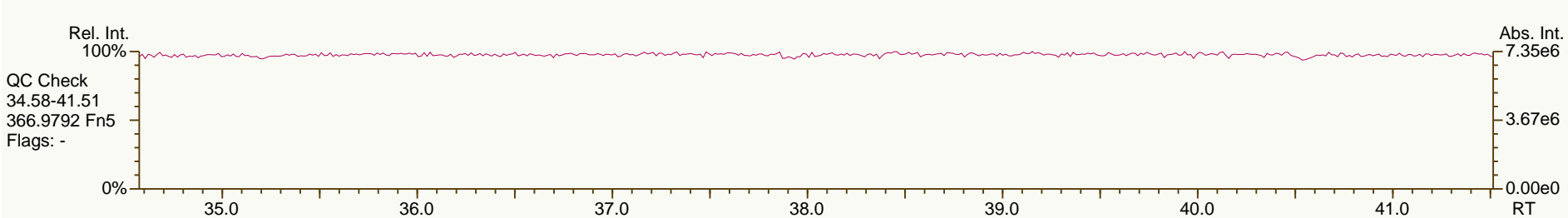
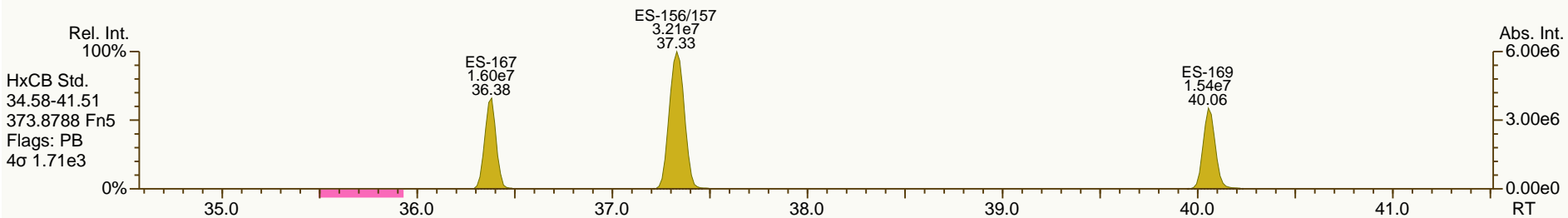
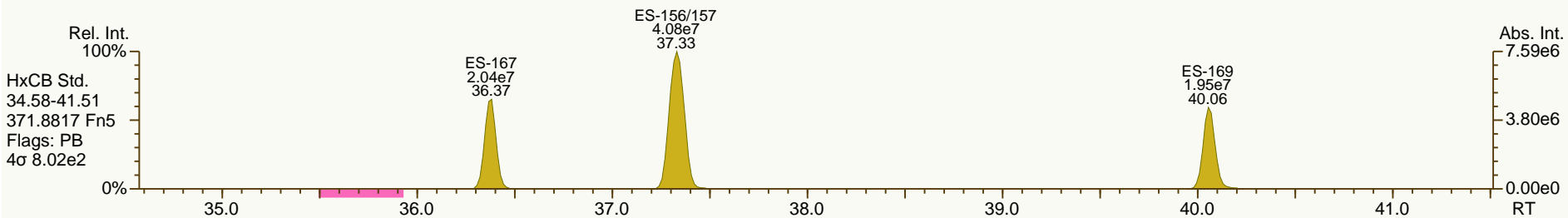
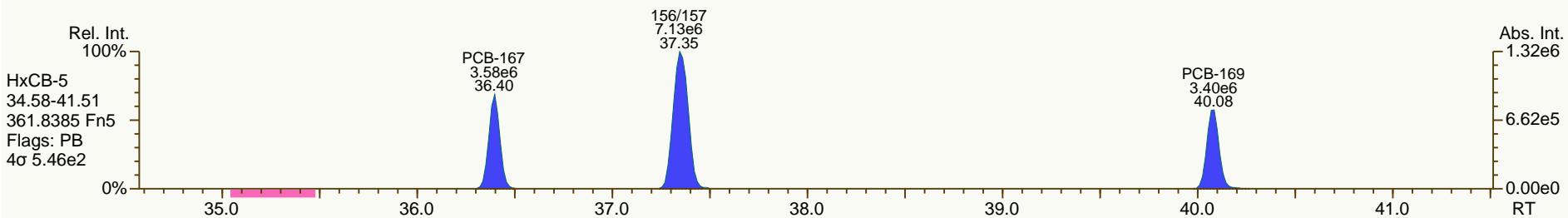
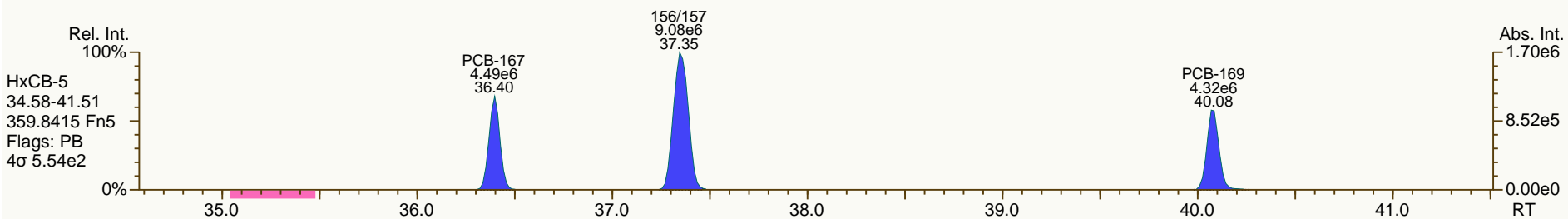
Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

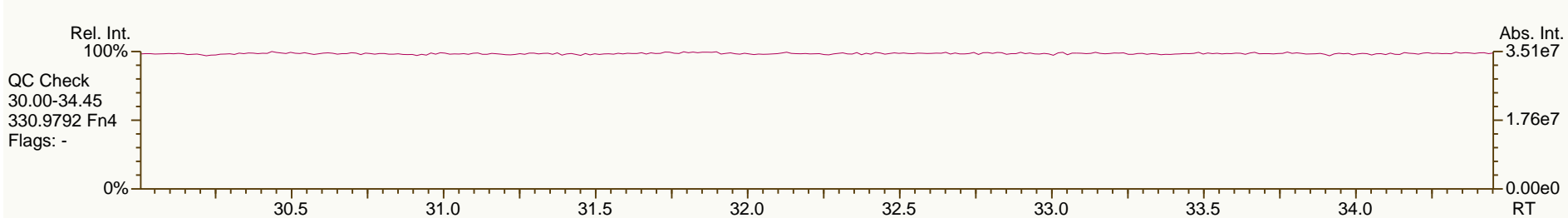
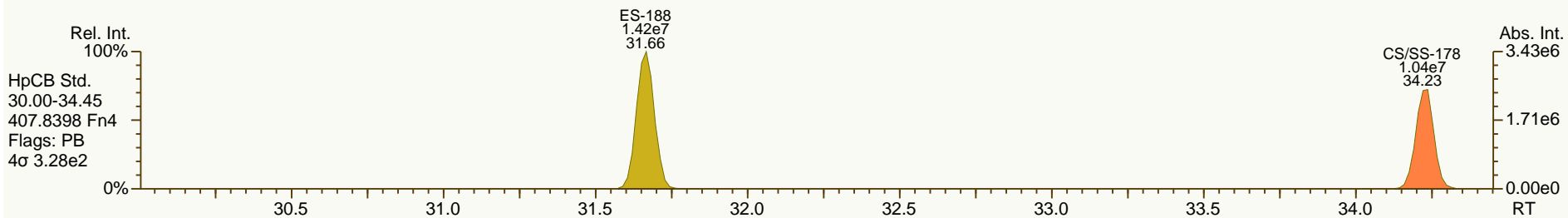
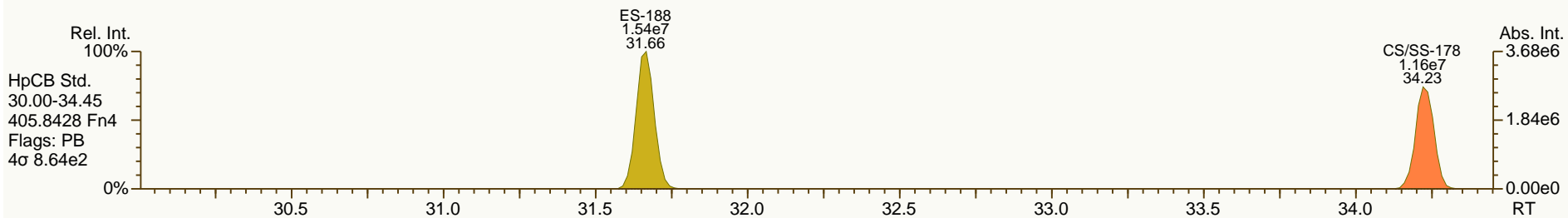
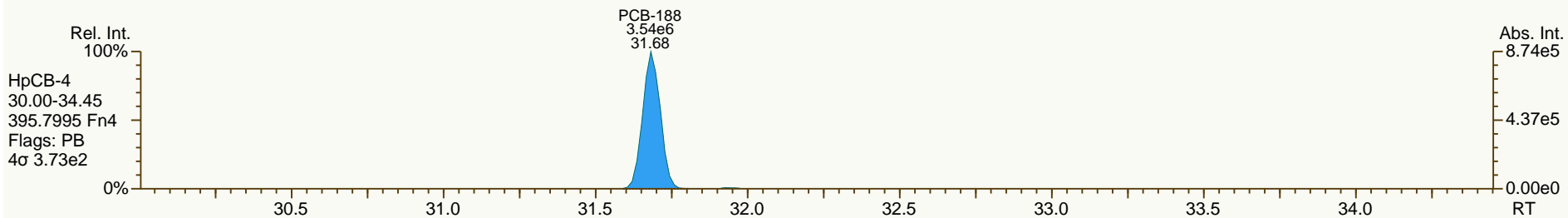
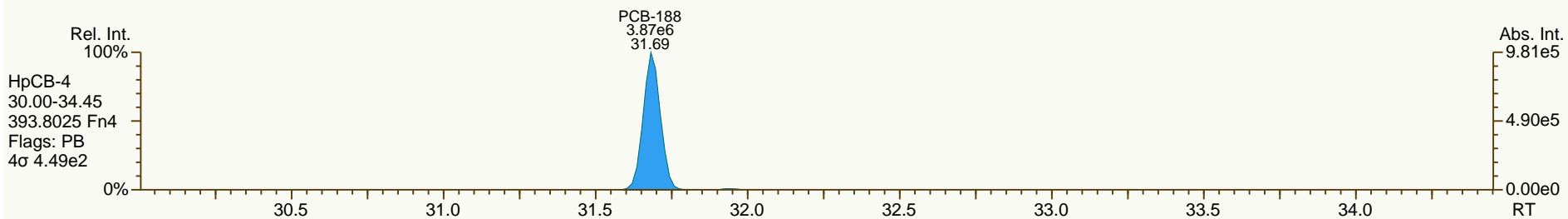
Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

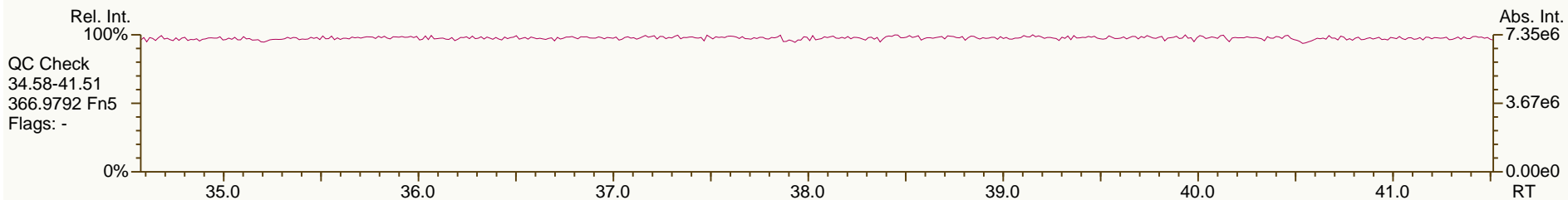
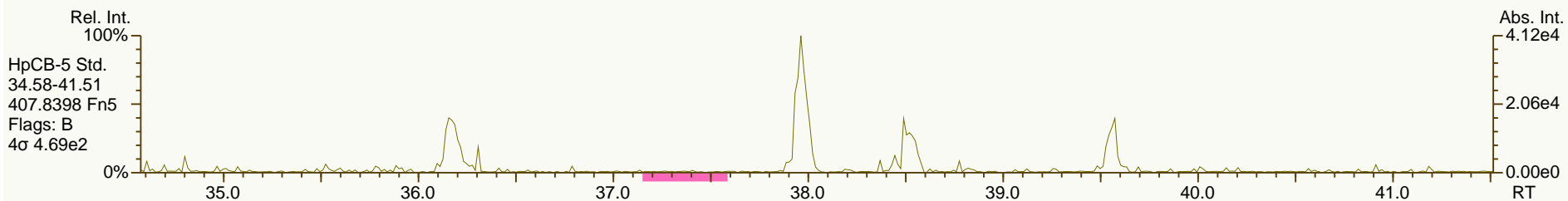
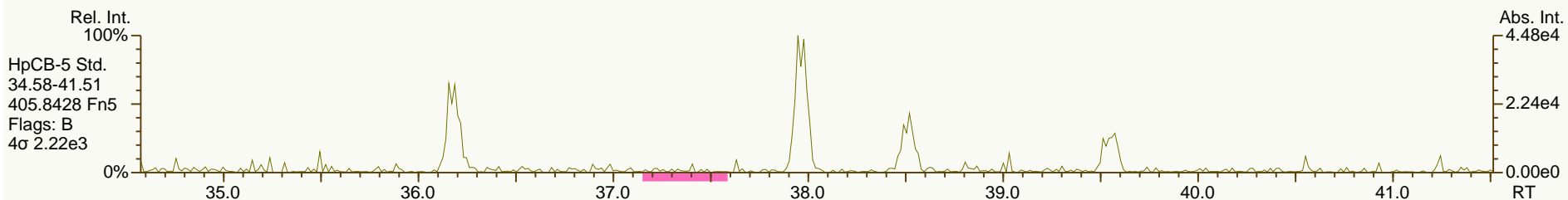
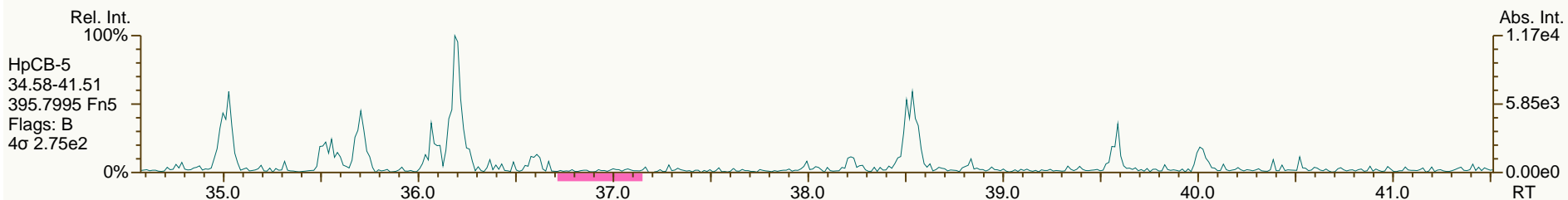
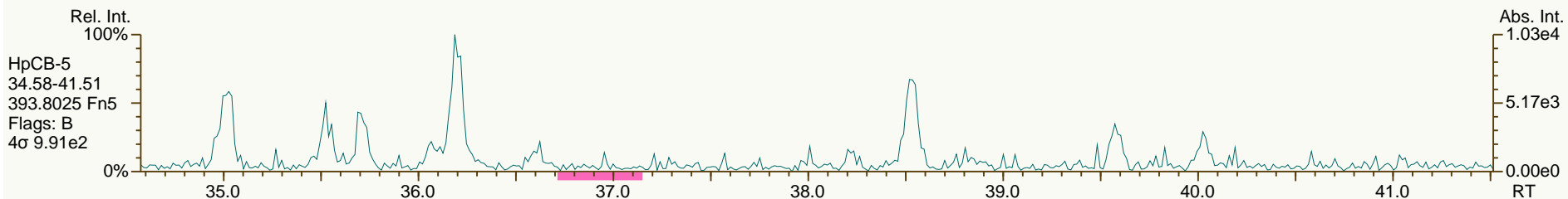
Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

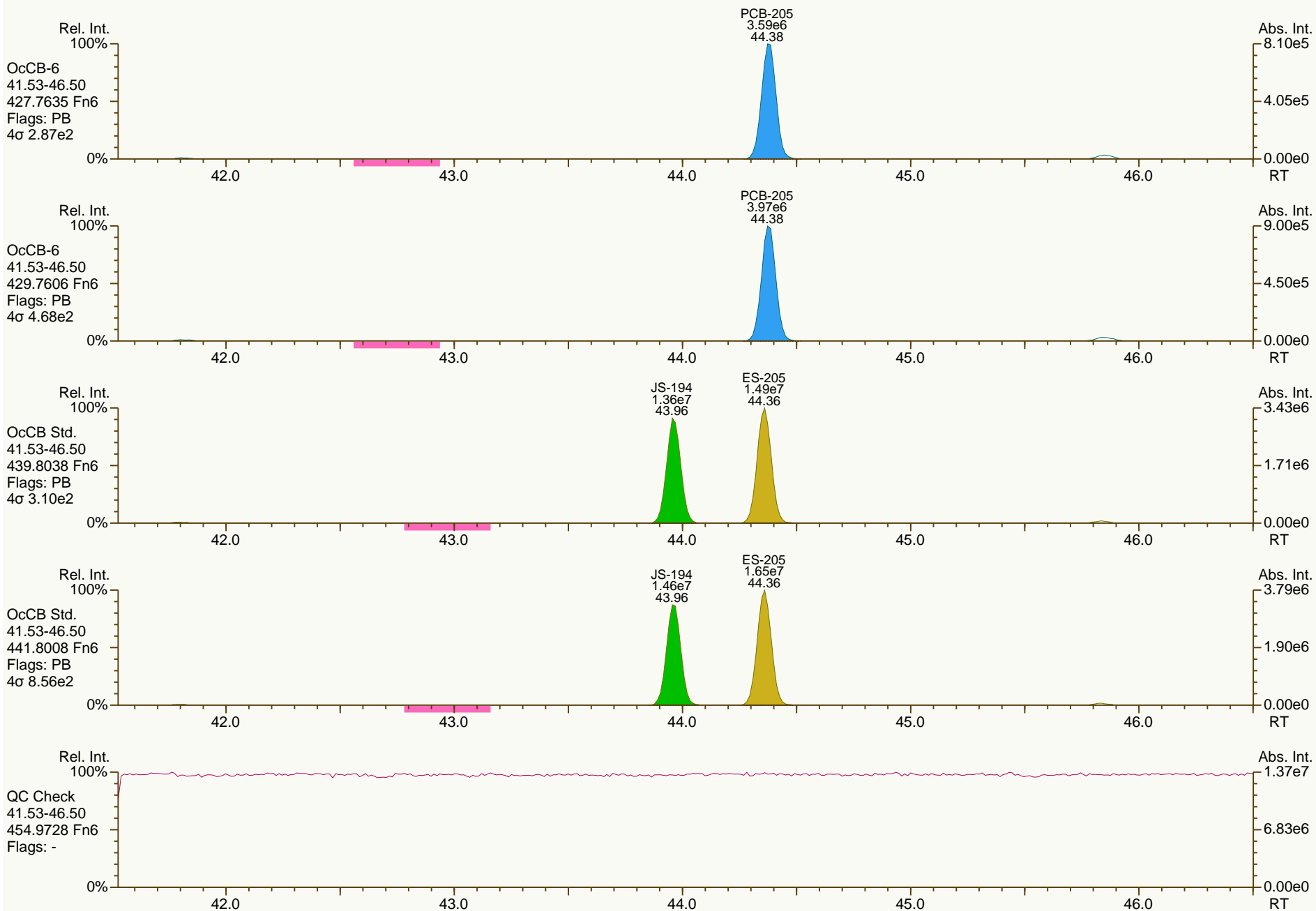
Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

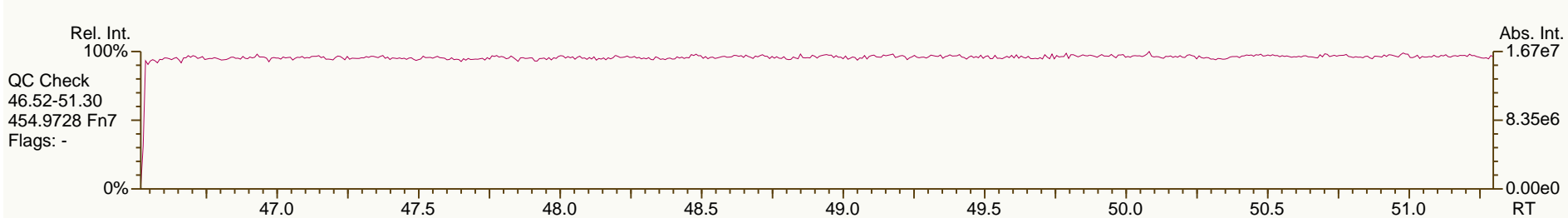
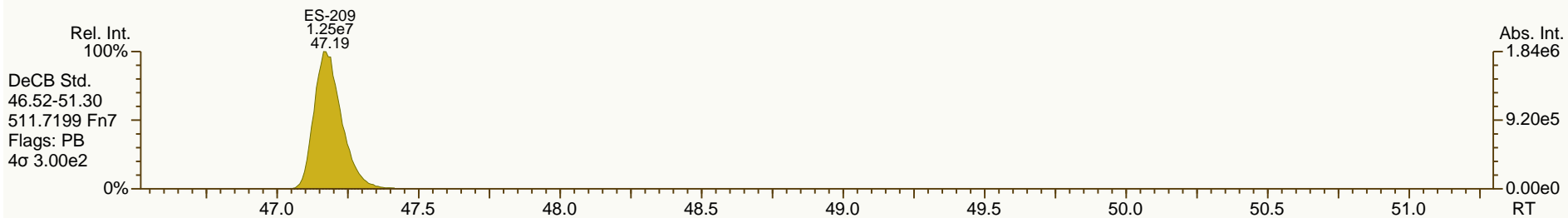
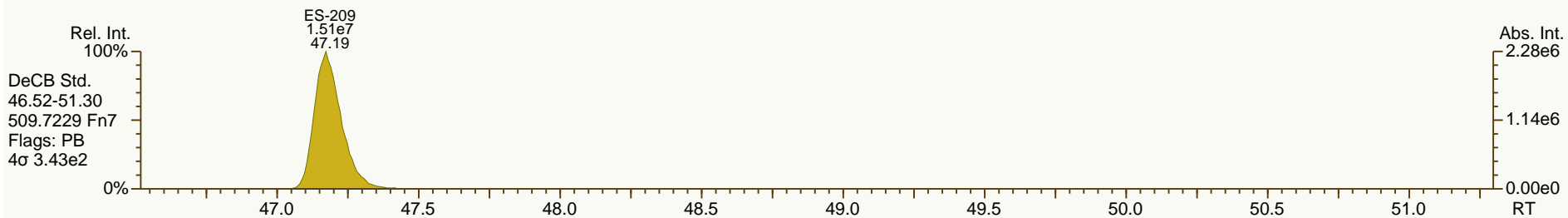
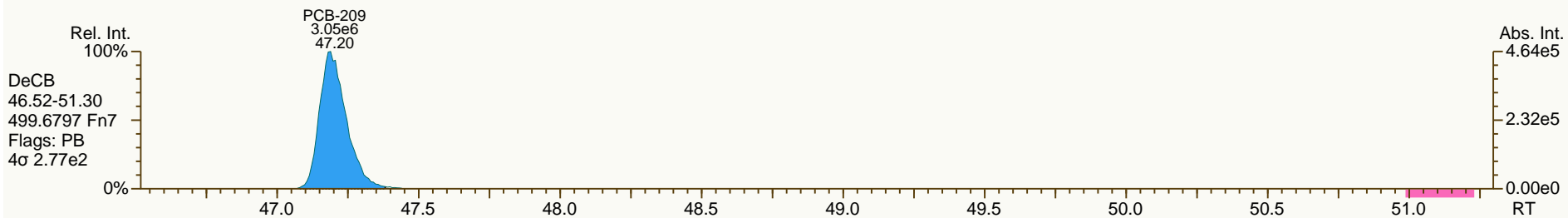
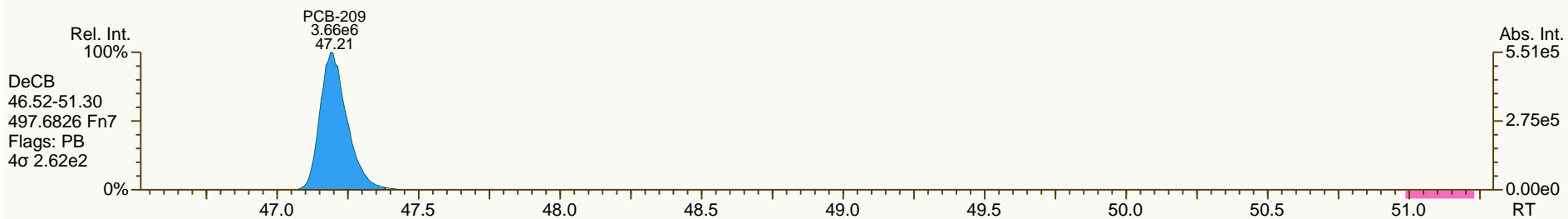
Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

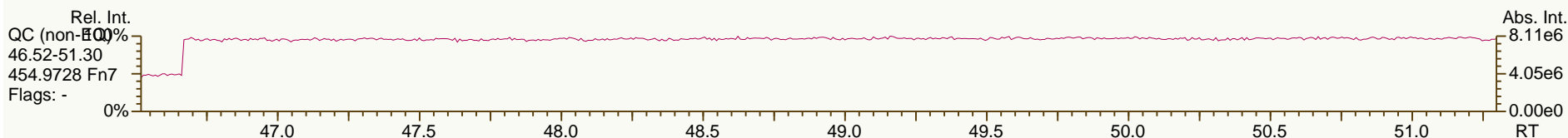
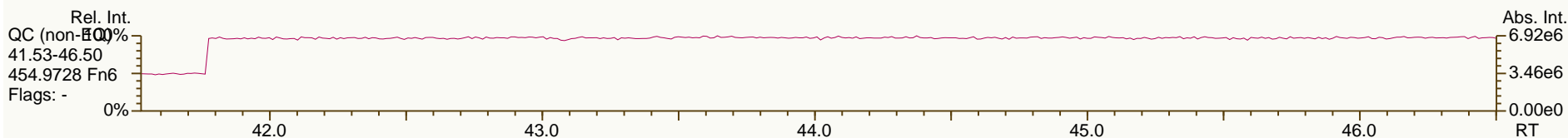
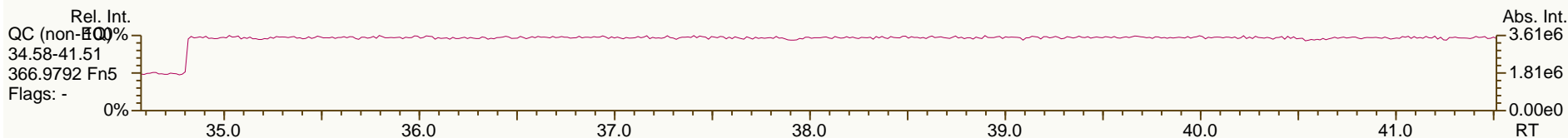
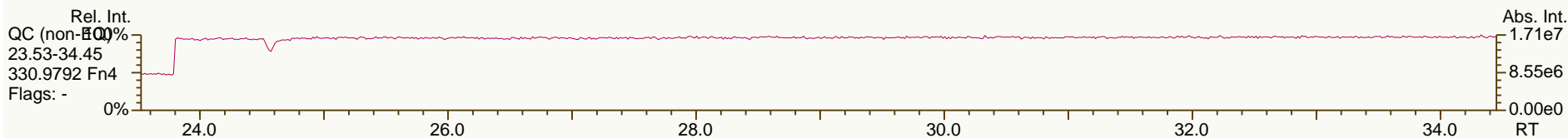
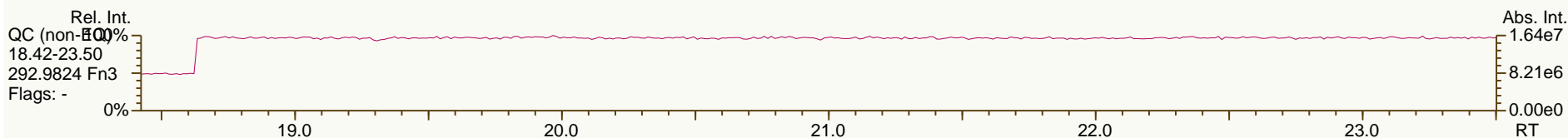
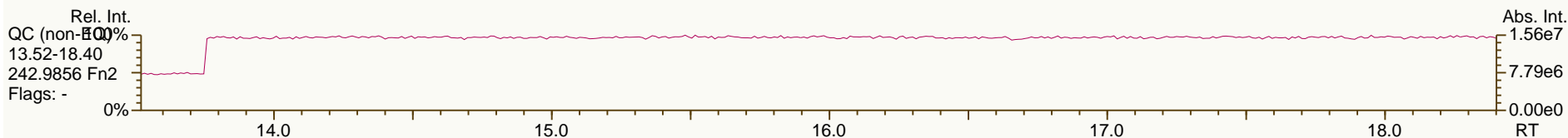
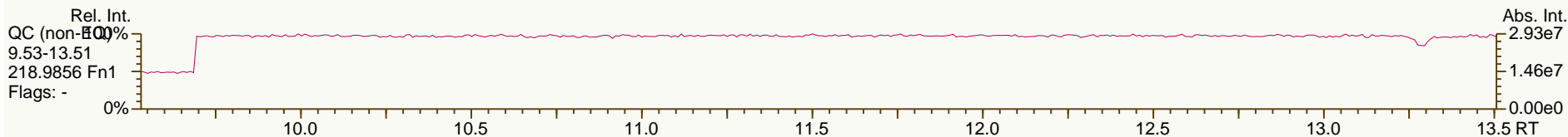
Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04





11 July 2012

Delaney Peterson
 Anchor QEA
 720 Olive Way, Suite 1900
 Seattle WA 98101

Ph.: 206-287-9130

Subject: Certificate of Results

Dear Delaney

Attached to this narrative are the analytical results you requested on the sample submitted for the determination of polychlorinated biphenyl congeners. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project Name	Jeld_Wen Surface Sediments
AP Project #	A4371
Analytical Protocol	EPA 1668B
No. Samples Submitted	n/a
No. Samples Analyzed	10 (this project number)
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	5/9/2012, 5/11/2012
Condition Received	good
Temperature upon Receipt (C)	3, 1
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	see QA/QC Annotations
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

**QC Annotations:**

1. See Appendix A & B for data qualifier, data attribute, and lab identifier information.

In the OPR the recovery PCB-205 is slightly below the lower recovery limit (74.6% vs. lower limit of 79%). Some labeled standards slightly exceed the OPR established limits for 1668B. In each case, variances are within the calibration (CS3) variances established for the method.

2. Due to matrix-related effects on the column, extraction standards PCB-77 and PCB-81 tend to reflect high recoveries in the samples. While the Toxic Equivalent (TEQ) will not be affected, other non-coplanar congeners quantified against these standards (reflected in the Total PCB concentration) may be slightly impacted.

SGS-Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS-Analytical Perspectives welcome customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS-Analytical Perspectives.

Sincerely,

A handwritten signature in black ink, appearing to read 'Todd Vilen'.

Todd Vilen
Project Scientist



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
*	The reported concentration exceeds the calibration range (upper point of the calibration curve). ¹
>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte is found in the method blank, at a level that is $\leq 10x$ the sample concentration.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), where there is a co-eluting interference, or where a single ion is utilized for quantitation due to PFK interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
Ra	The new ratio – [Ra] -- for 2,3,7,8-TCDD following the ³⁷ Cl ₄ -2,3,7,8-TCDD correction is shown between squared brackets in the DL column. ¹
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time



Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

Sample Summary											1668B
Analyte	MB #73532	JW-EA58-COMP-120507	JW-EA08-COMP-120507	JW-EA06-COMP-120507	JW-EA03-COMP-120507	JW-EA02-COMP-120507	JW-EA04-COMP-120507	JW-EA09-COMP-120507	JW-UR-COMP-120508	JW-DR-COMP-120508	JW-RG-COMP-120508
	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g
PCB-77	(0.234)	28.2	15.1	10.8	1.89	8.16	8.36	95.0	6.72	32.3	19.4
PCB-81	(0.217)	0.902	(0.39)	[0.311]	(0.501)	(0.552)	(0.335)	3.23	(0.602)	1.21	(0.353)
PCB-105	[0.611]	373	109	52.9	20.5	99.2	59.8	1160	52.1	219	75.4
PCB-114	(0.223)	17.6	4.88	2.47	1.02	5.51	3.12	55.3	[2.17]	10.6	[3.35]
PCB-118	1.69	874	264	136	51.5	253	151	2610	128	537	204
PCB-123	(0.251)	13.8	4.32	2.18	0.900	5.42	2.81	41.1	2.50	9.28	3.16
PCB-126	(0.23)	1.94	0.673	0.575	(0.312)	[1.07]	[0.583]	4.75	(0.494)	1.52	[0.548]
PCB-156/157	(0.279)	149	35.3	17.2	9.89	45.9	21.6	376	20.8	76.6	20.5
PCB-167	(0.204)	40.5	10.2	5.60	2.97	14.2	7.28	103	7.01	23.0	7.09
PCB-169	(0.309)	(1.02)	(0.593)	(0.303)	(0.545)	(0.788)	(0.729)	(0.885)	(0.898)	(0.727)	(0.482)
PCB-189	(0.194)	6.13	1.73	1.2	[0.508]	[2.23]	1.59	12.7	1.28	3.72	1.45
Total Mono-CBs	0.517	58.8	34.0	24.6	2.49	20.0	15.7	105	17.6	137	41.7
Total Di-CBs	23.5	229	166	107	54.1	242	127	709	59.5	274	286
Total Tri-CBs	8.25	700	426	384	181	1510	755	2390	223	803	1210
Total Tetra-CBs	9.44	1720	839	643	206	1730	1000	7870	448	1640	1540
Total Penta-CBs	10.7	5060	1510	850	343	1770	1100	18400	899	3080	1480
Total Hexa-CBs	10.2	4060	1200	755	409	1560	943	10500	841	2370	922
Total Hepta-CBs	(0.333)	859	289	244	106	367	303	2010	252	589	303
Total Octa-CBs	(0.3)	254	81.3	79.8	73.5	109	89.2	592	96.7	180	149
Total Nona-CBs	(0.389)	63.4	25.5	16.6	38.8	18.1	19.1	115	22.7	39.9	34.4
PCB-209	(0.334)	26.0	10.7	8.00	15.1	9.42	8.01	28.6	11.3	15.1	12.9
TEQs (WHO 2005 M/H)											
ND = 0; EMPC = 0	0.0000506	0.241	0.0816	0.0651	0.00279	0.0135	0.00824	0.616	0.00704	0.182	0.0113
ND = 0; EMPC = EMPC	0.0000689	0.241	0.0816	0.0652	0.00281	0.120	0.0665	0.616	0.0071	0.182	0.0662
ND = DL/2; EMPC = 0	0.0163	0.257	0.0906	0.0696	0.0266	0.0497	0.0387	0.630	0.0453	0.193	0.0388
ND = DL/2; EMPC = EMPC	0.0163	0.257	0.0906	0.0697	0.0266	0.132	0.0775	0.630	0.0453	0.193	0.0734
ND = DL; EMPC = 0	0.0325	0.272	0.0996	0.0742	0.0505	0.086	0.0692	0.643	0.0835	0.204	0.0664
ND = DL; EMPC = EMPC	0.0325	0.272	0.0996	0.0742	0.0505	0.144	0.0885	0.643	0.0836	0.204	0.0807


Checkcode 223-346-WHS 700-644-XVC 132-138-LZY 033-382-FFP 302-095-KNN 950-021-YNL 290-077-ZSC 758-718-ZMK 290-629-QXF 637-454-WXH 100-294-FJP

() = DL
[] = EMPC

Sample Summary (Wet Weight)											1668B
Analyte	MB #73532	JW-EA58-COMP-120507	JW-EA08-COMP-120507	JW-EA06-COMP-120507	JW-EA03-COMP-120507	JW-EA02-COMP-120507	JW-EA04-COMP-120507	JW-EA09-COMP-120507	JW-UR-COMP-120508	JW-DR-COMP-120508	JW-RG-COMP-120508
	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g
PCB-77	(0.234)	14.2	7.80	6.28	0.843	3.65	5.03	60.2	3.70	16.3	12.1
PCB-81	(0.217)	0.455	(0.201)	[0.181]	(0.224)	(0.247)	(0.201)	2.05	(0.332)	0.607	(0.222)
PCB-105	[0.611]	188	56.5	30.8	9.14	44.4	35.9	733	28.7	110	47.3
PCB-114	(0.223)	8.89	2.52	1.44	0.455	2.47	1.87	35.1	[1.2]	5.35	[2.1]
PCB-118	1.69	441	136	79.0	23.0	113	90.5	1660	70.8	270	128
PCB-123	(0.251)	6.94	2.23	1.27	0.401	2.43	1.69	26.1	1.38	4.67	1.98
PCB-126	(0.23)	0.978	0.347	0.334	(0.139)	[0.477]	[0.35]	3.01	(0.272)	0.766	[0.343]
PCB-156/157	(0.279)	74.9	18.2	10.0	4.41	20.6	13.0	239	11.4	38.5	12.8
PCB-167	(0.204)	20.4	5.24	3.26	1.33	6.37	4.37	65.5	3.86	11.6	4.44
PCB-169	(0.309)	(0.514)	(0.306)	(0.176)	(0.243)	(0.353)	(0.438)	(0.561)	(0.495)	(0.366)	(0.302)
PCB-189	(0.194)	3.09	0.891	0.699	[0.226]	[0.997]	0.954	8.03	0.705	1.87	0.908
Total Mono-CBs	0.517	29.6	17.5	14.3	1.11	8.94	9.42	66.9	9.69	69.0	26.1
Total Di-CBs	23.5	115	85.9	62.0	24.1	108	76.2	450	32.8	138	179
Total Tri-CBs	8.25	353	220	224	80.9	677	454	1510	123	404	759
Total Tetra-CBs	9.44	865	433	374	92.0	777	603	4990	247	823	966
Total Penta-CBs	10.7	2550	781	495	153	792	659	11600	495	1550	926
Total Hexa-CBs	10.2	2050	620	440	183	697	567	6660	463	1190	578
Total Hepta-CBs	(0.333)	433	149	142	47.3	164	182	1280	139	296	190
Total Octa-CBs	(0.3)	128	42.0	46.4	32.8	48.9	53.6	375	53.3	90.4	93.2
Total Nona-CBs	(0.389)	32.0	13.2	9.64	17.3	8.11	11.5	73.2	12.5	20.1	21.6
PCB-209	(0.334)	13.1	5.52	4.66	6.74	4.22	4.82	18.1	6.23	7.57	8.06
TEQs (WHO 2005 M/H)											
ND = 0; EMPC = 0	0.0000506	0.122	0.0421	0.0379	0.00125	0.00605	0.00495	0.391	0.00388	0.0917	0.00708
ND = 0; EMPC = EMPC	0.0000689	0.122	0.0421	0.0379	0.00125	0.0538	0.0400	0.391	0.00391	0.0917	0.0415
ND = DL/2; EMPC = 0	0.0163	0.129	0.0467	0.0405	0.0119	0.0223	0.0233	0.399	0.0250	0.0972	0.0243
ND = DL/2; EMPC = EMPC	0.0163	0.129	0.0467	0.0406	0.0119	0.0591	0.0466	0.399	0.0250	0.0972	0.046
ND = DL; EMPC = 0	0.0325	0.137	0.0514	0.0432	0.0225	0.0385	0.0416	0.408	0.0460	0.103	0.0416
ND = DL; EMPC = EMPC	0.0325	0.137	0.0514	0.0432	0.0225	0.0645	0.0532	0.408	0.0461	0.103	0.0506

Checkcode 223-346-WHS 700-644-XVC 132-138-LZY 033-382-FFP 302-095-KNN 950-021-YNL 290-077-ZSC 758-718-ZMK 290-629-QXF 637-454-WXH 100-294-PJP

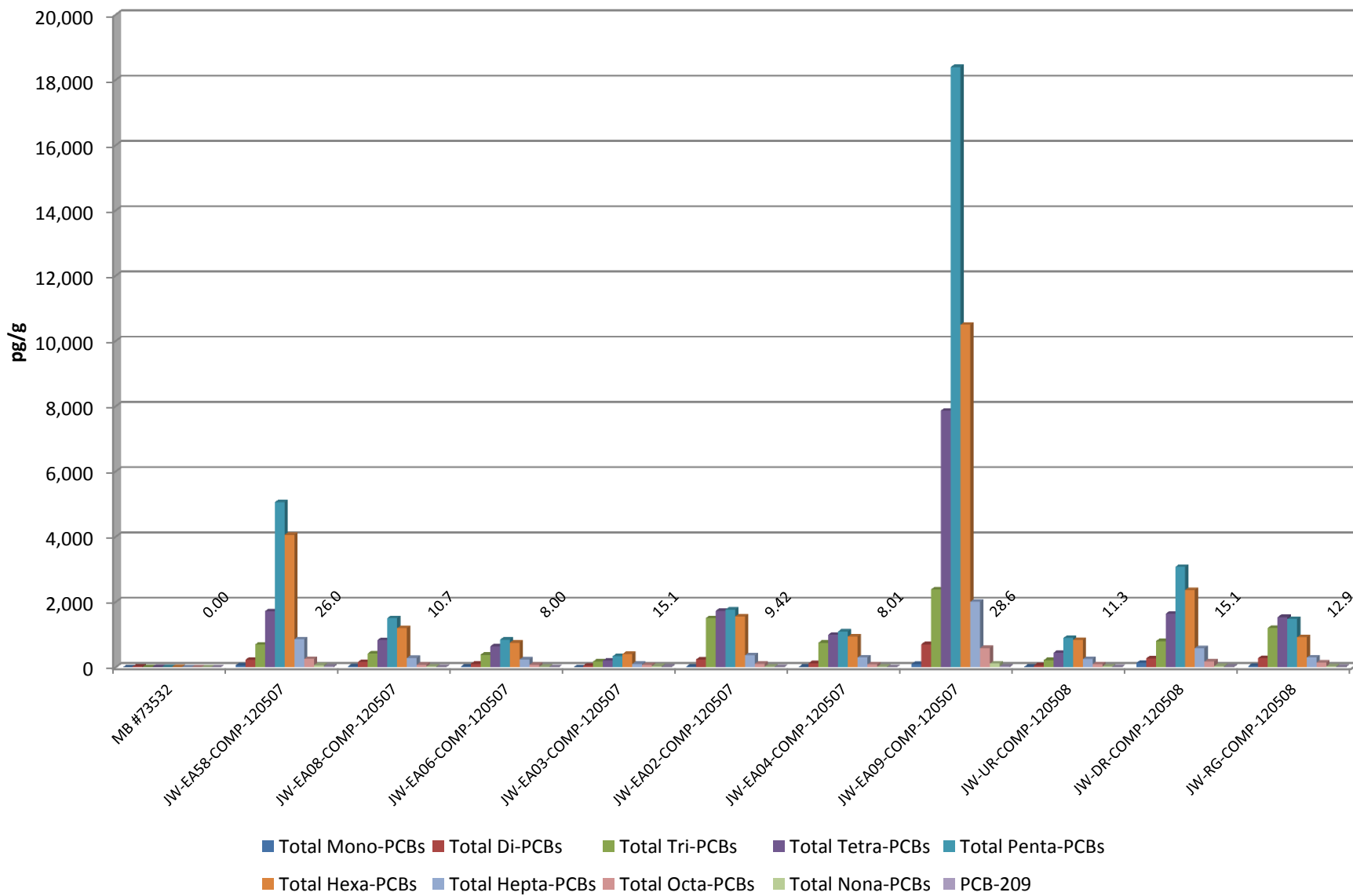
() = DL
[] = EMPC

PCB Recoveries		 1668B									
Standard	MB #73532	JW-EA58-COMP-120507	JW-EA08-COMP-120507	JW-EA06-COMP-120507	JW-EA03-COMP-120507	JW-EA02-COMP-120507	JW-EA04-COMP-120507	JW-EA09-COMP-120507	JW-UR-COMP-120508	JW-DR-COMP-120508	JW-RG-COMP-120508
ES PCB-1	50.2	49.7	52.1	45.8	50.5	49.6	46.8	47.3	33.6	51.5	51.8
ES PCB-3	47.7	56.4	53.4	50.8	49.8	49.3	49.7	53.5	38.0	50.4	54.8
ES PCB-4	43.9	41.5	41.7	39.2	40.3	40.1	39.0	39.8	33.1	39.5	39.9
ES PCB-15	61.8	79.5	77.6	75.3	73.6	72.3	74.8	76.5	66.6	78.3	78.1
ES PCB-19	57.1	56.4	57.5	54.1	54.1	52.7	51.5	55.6	47.8	53.5	57.9
ES PCB-37	80.3	122	124	123	123	121	119	125	120	124	132
ES PCB-54	59.3	80.6	80.2	72.1	78.0	82.6	71.9	74.8	78.5	76.4	79.0
ES PCB-77	106	152	151	153	158	152	146	155	160	160	164
ES PCB-81	112	165	167	170	174	163	161	170	169	172	179
ES PCB-104	46.6	54.8	58.9	57.5	58.1	56.3	59.5	55.7	50.0	55.8	56.3
ES PCB-105	92.2	95.8	102	101	104	101	102	99.1	102	102	107
ES PCB-114	86.6	94.0	97.7	97.3	98.6	94.3	98.6	95.1	95.0	98.9	99.0
ES PCB-118	90.2	99.3	104	103	106	101	102	102	103	102	106
ES PCB-123	85.4	95.9	96.7	97.4	98.5	98.0	96.5	95.7	95.5	100	101
ES PCB-126	96.2	126	135	133	135	137	126	131	132	138	139
ES PCB-155	85.9	106	102	102	92.1	89.2	90.0	100	90.2	90.0	94.3
ES PCB-156/157	110	127	119	122	110	118	107	124	115	119	123
ES PCB-167	109	130	126	127	123	118	118	128	125	122	122
ES PCB-169	79.8	96.4	115	107	112	103	73.0	99.6	91.1	116	110
ES PCB-188	69.9	79.5	82.9	80.2	82.2	77.7	75.9	79.6	77.2	75.0	76.7
ES PCB-189	97.5	126	132	129	131	121	123	125	128	123	124
ES PCB-202	80.1	83.6	87.3	88.3	86.1	89.2	84.0	87.1	87.5	83.1	86.9
ES PCB-205	109	109	110	109	112	105	104	108	109	109	110
ES PCB-206	92.6	88.4	82.7	84.3	76.9	87.0	74.8	88.1	78.5	83.5	84.6
ES PCB-208	91.8	87.1	90.8	90.5	90.6	85.6	85.8	85.7	91.8	85.8	88.2
ES PCB-209	93.7	89.1	89.9	89.9	92.0	87.8	85.7	87.7	90.1	86.6	88.5

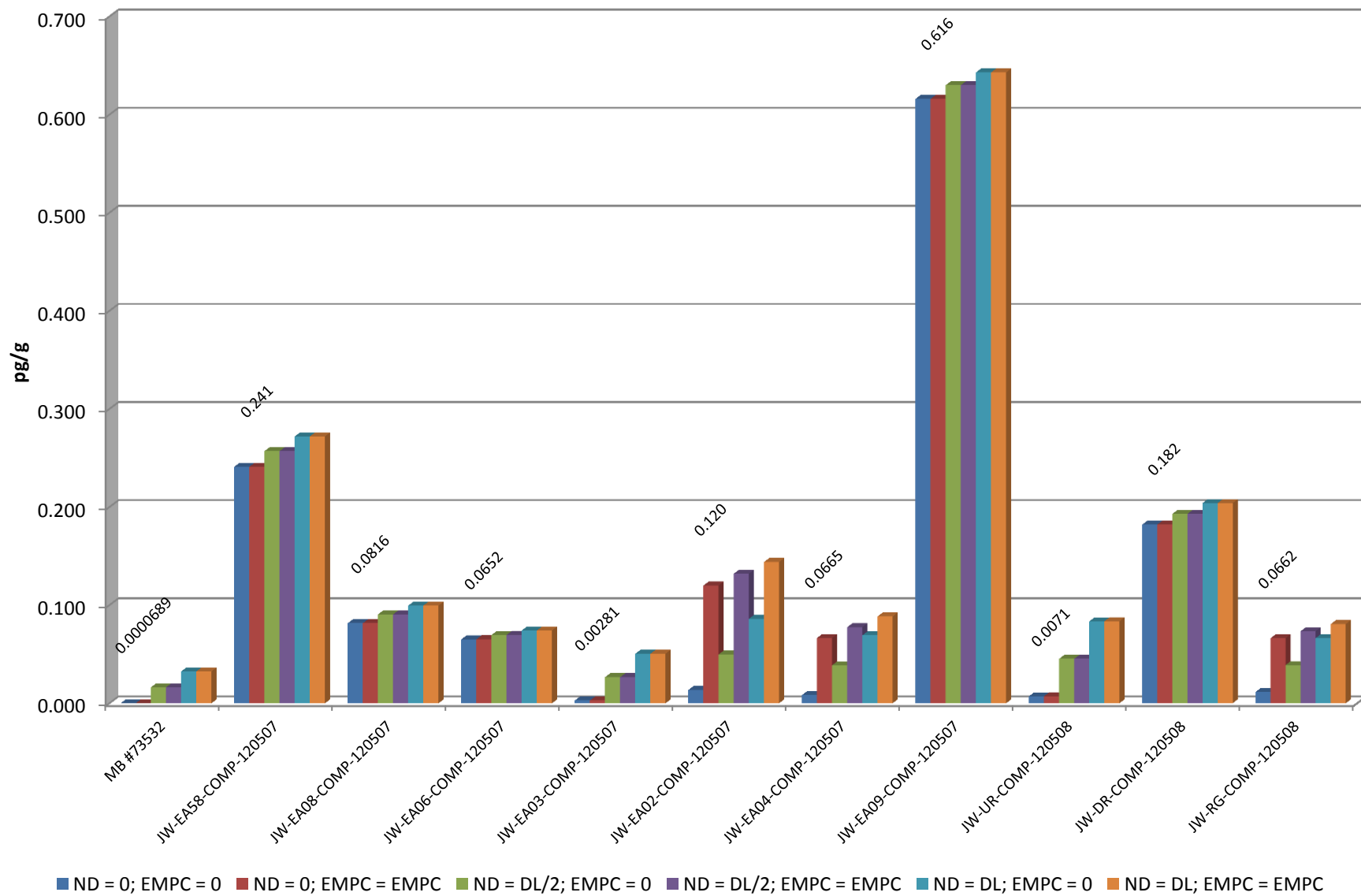
Checkcode 223-346-WHS 700-644-XVC 132-138-LZY 033-382-PPF 302-095-KNN 950-021-YLN 290-077-ZSC 758-718-ZMK 290-629-QXF 637-454-WXH 100-294-PJP

() = DL
[] = EMPC

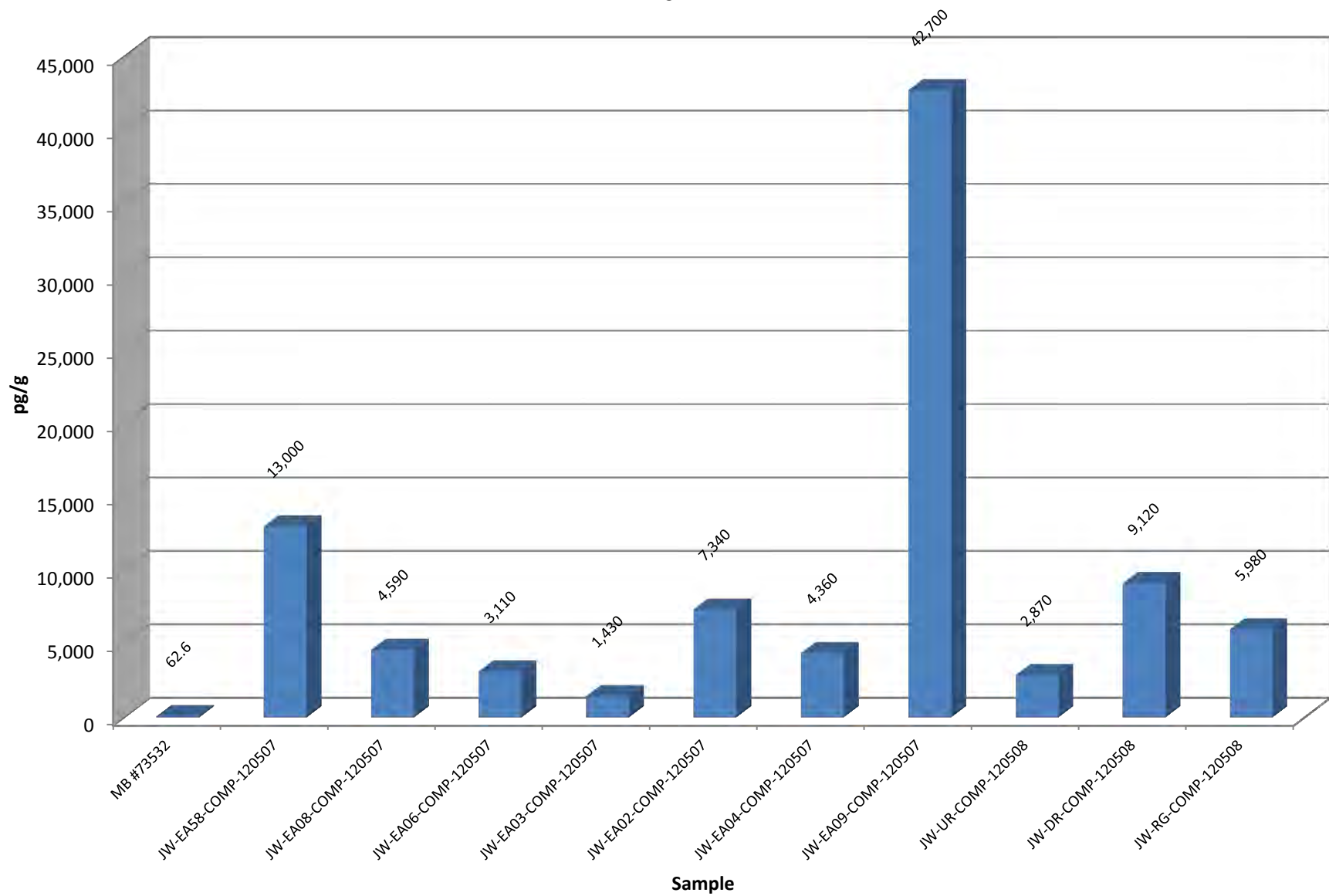
PCB Homologues
Project ID: Jeld-Wen Surface Sediment
A4371



PCB TEQ
Project ID: Jeld-Wen Surface Sediment
A4371



PCB Totals
Project ID: Jeld-Wen Surface Sediment
A4371



Sample ID: MB #73532**Method 1668B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	n/a
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	5.00 g	Sample ID:	MB1_9893_PCB_SDS-RJ	Date Extracted:	25-May-2012
Date Collected:	n/a	% Solids	n/a	QC Batch No.:	9893	Date Analyzed:	05-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	ND	0.234			ES PCB-1	50.2	
PCB-81 344'5'-TeCB	ND	0.217			ES PCB-3	47.7	
PCB-105 233'44'-PeCB	EMPC		0.611	J	ES PCB-4	43.9	
PCB-114 2344'5'-PeCB	ND	0.223			ES PCB-15	61.8	
PCB-118 23'44'5'-PeCB	1.69			J	ES PCB-19	57.1	
PCB-123 23'44'5'-PeCB	ND	0.251			ES PCB-37	80.3	
PCB-126 33'44'5'-PeCB	ND	0.23			ES PCB-54	59.3	
PCB-156/157 233'44'5'/233'44'5'-HxCB	ND	0.279		C	ES PCB-77	106	
PCB-167 23'44'55'-HxCB	ND	0.204			ES PCB-81	112	
PCB-169 33'44'55'-HxCB	ND	0.309			ES PCB-104	46.6	
PCB-189 233'44'55'-HpCB	ND	0.194			ES PCB-105	92.2	
					ES PCB-114	86.6	
TEQs (WHO M/H)					ES PCB-118	90.2	
					ES PCB-123	85.4	
ND = 0	0.0000506		0.0000689		ES PCB-126	96.2	
ND = 0.5 x DL	0.0163		0.0163				
					ES PCB-155	85.9	
Totals					ES PCB-156/157	110	
					ES PCB-167	109	
					ES PCB-169	79.8	
Mono-CBs	0.517						
Di-CBs	23.5						
Tri-CBs	8.25						
Tetra-CBs	9.44		9.83		ES PCB-188	69.9	
Penta-CBs	10.7		12.5		ES PCB-189	97.5	
Hexa-CBs	10.2		11.1		ES PCB-202	80.1	
Hepta-CBs	ND	0.333			ES PCB-205	109	
Octa-CBs	ND	0.3			ES PCB-206	92.6	
Nona-CBs	ND	0.389			ES PCB-208	91.8	
Deca-CB	ND	0.334			ES PCB-209	93.7	
					CS PCB-28	96.7	
Total PCB (Mono-Deca)	62.6		65.7		CS PCB-111	103	
					CS PCB-178	80.1	

Checkcode: 223-346-WHS


SGS AP PCB 2012 Rev. 1.4

Report Created: 09-Jul-2012 15:01 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: MB #73532**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	n/a							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	5.00 g		Sample ID:	MB1_9893_PCB_SDS-RJ		Date Extracted:	25-May-2012							
Date Collected:	n/a		% Solids	n/a		QC Batch No.:	9893		Date Analyzed:	05-Jul-2012							
			Units	pg/g		Checkcode:	223-346-WHS		Time Analyzed:	14:38:04							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	0.517	J	PCB-19	(0.491)		PCB-54	(0.236)		PCB-72	(0.211)							
PCB-2	(0.325)		PCB-30/18	1.85	J C	PCB-50/53	(0.22)	C	PCB-68	(0.203)							
PCB-3	(0.36)		PCB-17	1.09	J	PCB-45	(0.258)		PCB-57	(0.225)							
			PCB-27	(0.356)		PCB-51	(0.218)		PCB-58	(0.226)							
Conc.	0.517		PCB-24	(0.373)		PCB-46	(0.268)		PCB-67	(0.22)							
EMPC	0.517		PCB-16	(0.595)		PCB-52	3.08		PCB-63	(0.205)							
			PCB-32	(0.331)		PCB-73	(0.182)		PCB-61/70/74/76	1.98	J C						
Di	Conc.	Qualifiers	PCB-34	(0.421)		PCB-43	(0.264)		PCB-66	1.17	J						
PCB-4	(5.44)		PCB-23	(0.402)		PCB-69/49	1.07	J C	PCB-55	(0.23)							
PCB-10	(3.11)		PCB-26/29	0.623	J C	PCB-48	(0.237)		PCB-56	(0.235)							
PCB-9	(2.81)		PCB-25	(0.402)		PCB-44/47/65	1.69	J C	PCB-60	(0.223)							
PCB-7	(2.49)		PCB-31	1.34	J	PCB-59/62/75	(0.174)	C	PCB-80	(0.201)							
PCB-6	(2.58)		PCB-28/20	1.58	J C	PCB-42	(0.249)		PCB-79	(0.215)							
PCB-5	(2.63)		PCB-21/33	0.696	J C	PCB-41	(0.284)		PCB-78	(0.26)							
PCB-8	1.45	J	PCB-22	0.542	J	PCB-71/40	0.448	J C	PCB-81	(0.217)							
PCB-14	(2.26)		PCB-36	(0.413)		PCB-64	[0.388]	J EMPC	PCB-77	(0.234)							
PCB-11	22		PCB-39	(0.399)													
PCB-13/12	(2.66)	C	PCB-38	(0.448)													
PCB-15	(2.58)		PCB-35	(0.45)													
			PCB-37	0.538	J												
Conc.	23.5		Conc.	8.25					Conc.	9.44							
EMPC	23.5		EMPC	8.25					EMPC	9.83							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						32.3			32.3		
						Tetra-Hexa						30.3			33.4		
						Hepta-Deca						0			0		
						Mono-Deca						62.6			65.7		

Sample ID: MB #73532						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.354)		PCB-109/119/86...	[1.2]	J EMPC C	PCB-155	(0.234)		PCB-165	(0.315)	
PCB-96	(0.348)		PCB-117	(0.325)		PCB-152	(0.249)		PCB-146	(0.366)	
PCB-103	(0.269)		PCB-116/85	(0.232)	C	PCB-150	(0.242)		PCB-161	(0.282)	
PCB-94	(0.307)		PCB-110	2.46		PCB-136	(0.268)		PCB-153/168	2.58	J C
PCB-95	2.67		PCB-115	(0.231)		PCB-145	(0.26)		PCB-141	(0.381)	
PCB-100/93	(0.28)	C	PCB-82	(0.359)		PCB-148	(0.343)		PCB-130	(0.426)	
PCB-102	(0.238)		PCB-111	(0.224)		PCB-151/135	1.45	J C	PCB-137	(0.375)	
PCB-98	(0.323)		PCB-120	(0.223)		PCB-154	(0.317)		PCB-164	(0.279)	
PCB-88	(0.315)		PCB-108/124	(0.242)	C	PCB-144	(0.354)		PCB-163/138/129	2.96	J C
PCB-91	(0.257)		PCB-107	(0.237)		PCB-147/149	3.2	J C	PCB-160	(0.289)	
PCB-84	(0.329)		PCB-123	(0.251)		PCB-134	(0.423)		PCB-158	(0.265)	
PCB-89	(0.314)		PCB-106	(0.248)		PCB-143	(0.373)		PCB-128/166	(0.223)	C
PCB-121	(0.218)		PCB-118	1.69	J	PCB-139/140	(0.338)	C	PCB-159	(0.209)	
PCB-92	(0.312)		PCB-122	(0.253)		PCB-131	(0.406)		PCB-162	(0.197)	
PCB-113/90/101	2.72	J C	PCB-114	(0.223)		PCB-142	(0.4)		PCB-167	(0.204)	
PCB-83	(0.36)		PCB-105	[0.611]	J EMPC	PCB-132	[0.866]	J EMPC	PCB-156/157	(0.279)	C
PCB-99	1.15	J	PCB-127	(0.255)		PCB-133	(0.386)		PCB-169	(0.309)	
PCB-112	(0.224)		PCB-126	(0.23)							
			Conc.	10.7					Conc.	10.2	
			EMPC	12.5					EMPC	11.1	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.344)		PCB-174	(0.44)		PCB-202	(0.375)		PCB-208	(0.364)	
PCB-179	(0.354)		PCB-177	(0.445)		PCB-201	(0.314)		PCB-207	(0.35)	
PCB-184	(0.365)		PCB-181	(0.395)		PCB-204	(0.336)		PCB-206	(0.414)	
PCB-176	(0.329)		PCB-171/173	(0.441)	C	PCB-197	(0.289)				
PCB-186	(0.35)		PCB-172	(0.408)		PCB-200	(0.362)		Conc.	0	
PCB-178	(0.457)		PCB-192	(0.313)		PCB-198/199	(0.446)	C	EMPC	0	
PCB-175	(0.385)		PCB-180/193	(0.295)	C	PCB-196	(0.442)				
PCB-187	(0.361)		PCB-191	(0.31)		PCB-203	(0.405)		Deca	Conc.	Qualifiers
PCB-182	(0.363)		PCB-170	(0.356)		PCB-195	(0.366)		PCB-209	(0.334)	
PCB-183	(0.346)		PCB-190	(0.317)		PCB-194	(0.33)				
PCB-185	(0.399)		PCB-189	(0.194)		PCB-205	(0.224)				
			Conc.	0		Conc.	0				
			EMPC	0		EMPC	0				

Sample ID: JW-EA58-COMP-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	7.19 g	Sample ID:	A4371_9893_PCB_001-RJ	Date Extracted:	25-May-2012
Date Collected:	07-May-2012	% Solids	50.4 %	QC Batch No.:	9893	Date Analyzed:	05-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	28.2				ES PCB-1	49.7	
PCB-81 344'5'-TeCB	0.902			J	ES PCB-3	56.4	
PCB-105 233'44'-PeCB	373				ES PCB-4	41.5	
PCB-114 2344'5'-PeCB	17.6				ES PCB-15	79.5	
PCB-118 23'44'5'-PeCB	874				ES PCB-19	56.4	
PCB-123 23'44'5'-PeCB	13.8				ES PCB-37	122	
PCB-126 33'44'5'-PeCB	1.94				ES PCB-54	80.6	
PCB-156/157 233'44'5'/233'44'5'-HxCB	149			C	ES PCB-77	152 V	
PCB-167 23'44'55'-HxCB	40.5				ES PCB-81	165 V	
PCB-169 33'44'55'-HxCB	ND	1.02			ES PCB-104	54.8	
PCB-189 233'44'55'-HpCB	6.13				ES PCB-105	95.8	
					ES PCB-114	94	
TEQs (WHO M/H)					ES PCB-118	99.3	
					ES PCB-123	95.9	
ND = 0	0.241			0.241	ES PCB-126	126 V	
ND = 0.5 x DL	0.257			0.257			
					ES PCB-155	106	
Totals					ES PCB-156/157	127 V	
					ES PCB-167	130 V	
					ES PCB-169	96.4	
Mono-CBs	58.8						
Di-CBs	229						
Tri-CBs	700			701			
Tetra-CBs	1,720				ES PCB-188	79.5	
Penta-CBs	5,060			5,060	ES PCB-189	126 V	
Hexa-CBs	4,060				ES PCB-202	83.6	
Hepta-CBs	859			871	ES PCB-205	109	
Octa-CBs	254			255	ES PCB-206	88.4	
Nona-CBs	63.4				ES PCB-208	87.1	
Deca-CB	26				ES PCB-209	89.1	
					CS PCB-28	135 V	
Total PCB (Mono-Deca)	13,000			13,000	CS PCB-111	110	
					CS PCB-178	84.2	

Checkcode: 700-644-XVC


SGS AP PCB 2012 Rev. 1.4

Report Created: 09-Jul-2012 15:31 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA58-COMP-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	09-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	7.19 g		Sample ID:	A4371_9893_PCB_001-RJ		Date Extracted:	25-May-2012				
Date Collected:	07-May-2012		% Solids	50.4 %		QC Batch No.:	9893		Date Analyzed:	05-Jul-2012				
			Units	pg/g		Checkcode:	700-644-XVC		Time Analyzed:	15:31:06				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	20		PCB-19	3.89		PCB-54	0.272	J	PCB-72	2.58				
PCB-2	14.1		PCB-30/18	64.6	C	PCB-50/53	10.2	C	PCB-68	1.54				
PCB-3	24.7		PCB-17	32.4		PCB-45	9.29		PCB-57	0.672	J			
			PCB-27	5.39		PCB-51	3.03		PCB-58	0.823	J			
Conc.	58.8		PCB-24	0.784	J	PCB-46	4.09		PCB-67	6.69				
EMPC	58.8		PCB-16	29.1		PCB-52	257		PCB-63	8.18				
			PCB-32	23.5		PCB-73	0.366	J	PCB-61/70/74/76	536	C			
Di	Conc.	Qualifiers	PCB-34	(0.414)		PCB-43	3.4		PCB-66	268				
PCB-4	11		PCB-23	(0.396)		PCB-69/49	82.7	C	PCB-55	4.6				
PCB-10	0.579	J	PCB-26/29	21	C	PCB-48	18.8		PCB-56	111				
PCB-9	2.24		PCB-25	10.9		PCB-44/47/65	143	C	PCB-60	55.1				
PCB-7	1.94		PCB-31	131		PCB-59/62/75	8.42	C	PCB-80	(0.386)				
PCB-6	8		PCB-28/20	174	C	PCB-42	29.2		PCB-79	5.66				
PCB-5	0.895	J	PCB-21/33	68.5	C	PCB-41	8.49		PCB-78	(0.498)				
PCB-8	40.4		PCB-22	51.5		PCB-71/40	53.9	C	PCB-81	0.902	J			
PCB-14	0.373	J	PCB-36	[1.33]	J EMPC	PCB-64	53		PCB-77	28.2				
PCB-11	108		PCB-39	(0.393)										
PCB-13/12	8.51	C	PCB-38	(0.441)										
PCB-15	46.6		PCB-35	6.18										
			PCB-37	77.1										
Conc.	229		Conc.	700					Conc.	1,720				
EMPC	229		EMPC	701					EMPC	1,720				
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC		
						Mono-Tri			987			989		
						Tetra-Hexa			10,800			10,800		
						Hepta-Deca			1,200			1,220		
Mono-Deca			13,000			13,000								

Sample ID: JW-EA58-COMP-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.172)		PCB-109/119/86...	532	C	PCB-155	(0.122)		PCB-165	(0.163)	
PCB-96	2.76		PCB-117	23.3		PCB-152	(0.129)		PCB-146	135	
PCB-103	3.04		PCB-116/85	106	C	PCB-150	(0.126)		PCB-161	(0.146)	
PCB-94	[1.69]	EMPC	PCB-110	910		PCB-136	84.6		PCB-153/168	675	C
PCB-95	423		PCB-115	25.2		PCB-145	(0.135)		PCB-141	148	
PCB-100/93	2.8	C	PCB-82	91		PCB-148	(0.178)		PCB-130	71.9	
PCB-102	10.6		PCB-111	(0.246)		PCB-151/135	206	C	PCB-137	61.8	
PCB-98	(0.355)		PCB-120	1.9		PCB-154	8.28		PCB-164	58.4	
PCB-88	(0.346)		PCB-108/124	32.1	C	PCB-144	32.6		PCB-163/138/129	1,120	C
PCB-91	69.5		PCB-107	57.4		PCB-147/149	591	C	PCB-160	(0.15)	
PCB-84	166		PCB-123	13.8		PCB-134	51.3		PCB-158	107	
PCB-89	4.68		PCB-106	(0.272)		PCB-143	1.84		PCB-128/166	172	C
PCB-121	(0.239)		PCB-118	874		PCB-139/140	17.4	C	PCB-159	(0.736)	
PCB-92	132		PCB-122	10.9		PCB-131	13.7		PCB-162	3.51	
PCB-113/90/101	751	C	PCB-114	17.6		PCB-142	(0.208)		PCB-167	40.5	
PCB-83	37.4		PCB-105	373		PCB-132	308		PCB-156/157	149	C
PCB-99	387		PCB-127	(0.3)		PCB-133	12.7		PCB-169	(1.02)	
PCB-112	(0.246)		PCB-126	[1.94]							
			Conc.	5,060					Conc.	4,060	
			EMPC	5,060					EMPC	4,060	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.148)		PCB-174	123		PCB-202	16.9		PCB-208	14.4	
PCB-179	44.7		PCB-177	79.7		PCB-201	7.9		PCB-207	4.78	
PCB-184	(0.156)		PCB-181	1.84		PCB-204	(0.176)		PCB-206	44.3	
PCB-176	[12.4]	EMPC	PCB-171/173	43.9	C	PCB-197	[0.981]	J EMPC			
PCB-186	(0.15)		PCB-172	10.9		PCB-200	8.57		Conc.	63.4	
PCB-178	23.2		PCB-192	(0.237)		PCB-198/199	70.8	C	EMPC	63.4	
PCB-175	5.29		PCB-180/193	182	C	PCB-196	25.8				
PCB-187	145		PCB-191	4.18		PCB-203	42.1		Deca	Conc.	Qualifiers
PCB-182	0.894	J	PCB-170	91.6		PCB-195	20.8		PCB-209	26	
PCB-183	69		PCB-190	19.1		PCB-194	58.5				
PCB-185	8.01		PCB-189	6.13		PCB-205	2.21				
			Conc.	859		Conc.	254				
			EMPC	871		EMPC	255				

Sample ID: JW-EA08-COMP-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	10-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	8.15 g	Sample ID:	A4371_9893_PCB_002-RJ	Date Extracted:	25-May-2012
Date Collected:	07-May-2012	% Solids	51.6 %	QC Batch No.:	9893	Date Analyzed:	05-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	15.1				ES PCB-1	52.1	
PCB-81 344'5'-TeCB	ND	0.39			ES PCB-3	53.4	
PCB-105 233'44'-PeCB	109				ES PCB-4	41.7	
PCB-114 2344'5'-PeCB	4.88				ES PCB-15	77.6	
PCB-118 23'44'5'-PeCB	264				ES PCB-19	57.5	
PCB-123 23'44'5'-PeCB	4.32				ES PCB-37	124 V	
PCB-126 33'44'5'-PeCB	0.673			J	ES PCB-54	80.2	
PCB-156/157 233'44'5'/233'44'5'-HxCB	35.3			C	ES PCB-77	151 V	
PCB-167 23'44'55'-HxCB	10.2				ES PCB-81	167 V	
PCB-169 33'44'55'-HxCB	ND	0.593			ES PCB-104	58.9	
PCB-189 233'44'55'-HpCB	1.73				ES PCB-105	102	
					ES PCB-114	97.7	
TEQs (WHO M/H)					ES PCB-118	104	
					ES PCB-123	96.7	
ND = 0	0.0816			0.0816	ES PCB-126	135 V	
ND = 0.5 x DL	0.0906			0.0906			
					ES PCB-155	102	
Totals					ES PCB-156/157	119	
					ES PCB-167	126 V	
Mono-CBs	34				ES PCB-169	115	
Di-CBs	166						
Tri-CBs	426			431			
Tetra-CBs	839			842	ES PCB-188	82.9	
Penta-CBs	1,510			1,520	ES PCB-189	132 V	
Hexa-CBs	1,200				ES PCB-202	87.3	
Hepta-CBs	289			295	ES PCB-205	110	
Octa-CBs	81.3			96.7	ES PCB-206	82.7	
Nona-CBs	25.5				ES PCB-208	90.8	
Deca-CB	10.7				ES PCB-209	89.9	
					CS PCB-28	131	
Total PCB (Mono-Deca)	4,590			4,620	CS PCB-111	115 V	
					CS PCB-178	89.2	

Checkcode: 132-138-LZY


SGS AP PCB 2012 Rev. 1.4

Report Created: 09-Jul-2012 15:32 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA08-COMP-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	10-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	8.15 g		Sample ID:	A4371_9893_PCB_002-RJ		Date Extracted:	25-May-2012							
Date Collected:	07-May-2012		% Solids	51.6 %		QC Batch No.:	9893		Date Analyzed:	05-Jul-2012							
			Units	pg/g		Checkcode:	132-138-LZY		Time Analyzed:	16:26:10							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	13.6		PCB-19	[2.31]	EMPC	PCB-54	(0.17)		PCB-72	1.57							
PCB-2	6.64		PCB-30/18	40.4	C	PCB-50/53	5.38	C	PCB-68	0.839	J						
PCB-3	13.7		PCB-17	20.4		PCB-45	5.41		PCB-57	(0.405)							
			PCB-27	3.78		PCB-51	[1.31]	EMPC	PCB-58	3.39							
Conc.	34		PCB-24	(0.636)		PCB-46	2.18		PCB-67	3.6							
EMPC	34		PCB-16	20		PCB-52	105		PCB-63	4.42							
			PCB-32	16.9		PCB-73	(0.135)		PCB-61/70/74/76	253	C						
Di	Conc.	Qualifiers	PCB-34	(0.975)		PCB-43	2.03		PCB-66	143							
PCB-4	7.37		PCB-23	(0.931)		PCB-69/49	43	C	PCB-55	1.87							
PCB-10	(2.05)		PCB-26/29	13.1	C	PCB-48	11.2		PCB-56	58							
PCB-9	1.76		PCB-25	6.65		PCB-44/47/65	69	C	PCB-60	29.4							
PCB-7	(1.93)		PCB-31	79.9		PCB-59/62/75	5.01	C	PCB-80	(0.362)							
PCB-6	7.69		PCB-28/20	107	C	PCB-42	16.2		PCB-79	[1.54]	EMPC						
PCB-5	0.878	J	PCB-21/33	42.3	C	PCB-41	4.07		PCB-78	(0.467)							
PCB-8	33.8		PCB-22	31		PCB-71/40	30.8	C	PCB-81	(0.39)							
PCB-14	(1.75)		PCB-36	(0.957)		PCB-64	26.7		PCB-77	15.1							
PCB-11	70.7	B	PCB-39	(0.924)													
PCB-13/12	6.74	C	PCB-38	(1.04)													
PCB-15	37.5		PCB-35	[2.98]	EMPC												
			PCB-37	44.6													
Conc.	166		Conc.	426					Conc.	839							
EMPC	166		EMPC	431					EMPC	842							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						627			632		
						Tetra-Hexa						3,550			3,560		
						Hepta-Deca						407			428		
						Mono-Deca						4,590			4,620		

Sample ID: JW-EA08-COMP-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.245)		PCB-109/119/86...	152	C	PCB-155	(0.202)		PCB-165	(0.272)	
PCB-96	(0.241)		PCB-117	7.29		PCB-152	(0.214)		PCB-146	46.3	
PCB-103	[1.23]	EMPC	PCB-116/85	33.7	C	PCB-150	(0.209)		PCB-161	(0.244)	
PCB-94	(0.562)		PCB-110	280		PCB-136	23.3		PCB-153/168	216	C
PCB-95	129		PCB-115	4.57		PCB-145	(0.224)		PCB-141	42.5	
PCB-100/93	(0.512)	C	PCB-82	27.7		PCB-148	(0.296)		PCB-130	20.5	
PCB-102	4.01		PCB-111	(0.409)		PCB-151/135	68.8	C	PCB-137	16.1	
PCB-98	(0.592)		PCB-120	(0.408)		PCB-154	3.19		PCB-164	17.9	
PCB-88	(0.576)		PCB-108/124	9.5	C	PCB-144	10.1		PCB-163/138/129	327	C
PCB-91	20.7		PCB-107	18.6		PCB-147/149	179	C	PCB-160	(0.249)	
PCB-84	45.4		PCB-123	4.32		PCB-134	14.7		PCB-158	30.2	
PCB-89	[1.63]	EMPC	PCB-106	(0.454)		PCB-143	(0.321)		PCB-128/166	42.3	C
PCB-121	(0.398)		PCB-118	264		PCB-139/140	5.44	C	PCB-159	(0.492)	
PCB-92	39.6		PCB-122	2.83		PCB-131	3.31		PCB-162	1	J
PCB-113/90/101	224	C	PCB-114	4.88		PCB-142	(0.345)		PCB-167	10.2	
PCB-83	10.7		PCB-105	109		PCB-132	83.9		PCB-156/157	35.3	C
PCB-99	122		PCB-127	(0.46)		PCB-133	4.79		PCB-169	(0.593)	
PCB-112	(0.411)		PCB-126	[0.673]	J						
			Conc.	1,510					Conc.	1,200	
			EMPC	1,520					EMPC	1,200	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.295)		PCB-174	38.4		PCB-202	6.82		PCB-208	5.56	
PCB-179	17.4		PCB-177	26		PCB-201	2.76		PCB-207	2.11	
PCB-184	(0.313)		PCB-181	(0.746)		PCB-204	(0.745)		PCB-206	17.9	
PCB-176	[4.15]	EMPC	PCB-171/173	13.3	C	PCB-197	(0.641)				
PCB-186	(0.301)		PCB-172	4.41		PCB-200	2.82		Conc.	25.5	
PCB-178	10.6		PCB-192	(0.509)		PCB-198/199	28.1	C	EMPC	25.5	
PCB-175	1.65		PCB-180/193	62.7	C	PCB-196	10.9				
PCB-187	53.1		PCB-191	1.27		PCB-203	[15.3]	EMPC	Deca	Conc.	Qualifiers
PCB-182	(0.686)		PCB-170	28.6		PCB-195	7.68		PCB-209	10.7	
PCB-183	23.5		PCB-190	6.51		PCB-194	22.3				
PCB-185	[1.58]	EMPC	PCB-189	1.73		PCB-205	(0.863)				
			Conc.	289		Conc.	81.3				
			EMPC	295		EMPC	96.7				

Sample ID: JW-EA06-COMP-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	11-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	9.38 g	Sample ID:	A4371_9893_PCB_003-RJ	Date Extracted:	25-May-2012
Date Collected:	07-May-2012	% Solids	58.2 %	QC Batch No.:	9893	Date Analyzed:	05-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	10.8				ES PCB-1	45.8	
PCB-81 344'5"-TeCB	EMPC		0.311	J	ES PCB-3	50.8	
PCB-105 233'44"-PeCB	52.9				ES PCB-4	39.2	
PCB-114 2344'5"-PeCB	2.47				ES PCB-15	75.3	
PCB-118 23'44'5"-PeCB	136				ES PCB-19	54.1	
PCB-123 23'44'5"-PeCB	2.18				ES PCB-37	123	
PCB-126 33'44'5"-PeCB	0.575			J	ES PCB-54	72.1	
PCB-156/157 233'44'5"/233'44'5"-HxCB	17.2			C	ES PCB-77	153 V	
PCB-167 23'44'55"-HxCB	5.6				ES PCB-81	170 V	
PCB-169 33'44'55"-HxCB	ND	0.303			ES PCB-104	57.5	
PCB-189 233'44'55"-HpCB	1.2				ES PCB-105	101	
					ES PCB-114	97.3	
TEQs (WHO M/H)					ES PCB-118	103	
					ES PCB-123	97.4	
ND = 0	0.0651		0.0652		ES PCB-126	133 V	
ND = 0.5 x DL	0.0696		0.0697				
					ES PCB-155	102	
Totals					ES PCB-156/157	122 V	
					ES PCB-167	127 V	
					ES PCB-169	107	
Mono-CBs	24.6						
Di-CBs	107						
Tri-CBs	384		387				
Tetra-CBs	643		644		ES PCB-188	80.2	
Penta-CBs	850		851		ES PCB-189	129 V	
Hexa-CBs	755				ES PCB-202	88.3	
Hepta-CBs	244				ES PCB-205	109	
Octa-CBs	79.8				ES PCB-206	84.3	
Nona-CBs	16.6				ES PCB-208	90.5	
Deca-CB	8				ES PCB-209	89.9	
					CS PCB-28	135 V	
Total PCB (Mono-Deca)	3,110		3,120		CS PCB-111	113 V	
					CS PCB-178	95.4	

Checkcode: 033-382-FPF


SGS AP PCB 2012 Rev. 1.4

Report Created: 09-Jul-2012 15:35 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA06-COMP-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	11-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	9.38 g		Sample ID:	A4371_9893_PCB_003-RJ		Date Extracted:	25-May-2012				
Date Collected:	07-May-2012		% Solids	58.2 %		QC Batch No.:	9893		Date Analyzed:	05-Jul-2012				
			Units	pg/g		Checkcode:	033-382-FPF		Time Analyzed:	17:21:14				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	10.2		PCB-19	3.17		PCB-54	(0.0717)		PCB-72	1.33				
PCB-2	4.78		PCB-30/18	45.4	C	PCB-50/53	5.55	C	PCB-68	0.82	J			
PCB-3	9.67		PCB-17	22.1		PCB-45	5.8		PCB-57	[0.336]	J EMPC			
			PCB-27	3.68		PCB-51	1.76		PCB-58	0.374	J			
Conc.	24.6		PCB-24	[0.721]	J EMPC	PCB-46	2.41		PCB-67	3.52				
EMPC	24.6		PCB-16	20.4		PCB-52	77.7		PCB-63	3.54				
			PCB-32	16.4		PCB-73	[0.122]	J EMPC	PCB-61/70/74/76	175	C			
Di	Conc.	Qualifiers	PCB-34	(0.37)		PCB-43	1.69		PCB-66	105				
PCB-4	9.49		PCB-23	(0.353)		PCB-69/49	37	C	PCB-55	1.46				
PCB-10	(0.821)		PCB-26/29	11.5	C	PCB-48	10.2		PCB-56	44.3				
PCB-9	1.31		PCB-25	5.95		PCB-44/47/65	59.4	C	PCB-60	20.9				
PCB-7	1	J	PCB-31	70.3		PCB-59/62/75	4.38	C	PCB-80	(0.115)				
PCB-6	5.11		PCB-28/20	91.5	C	PCB-42	15.1		PCB-79	1.17				
PCB-5	(0.783)		PCB-21/33	36	C	PCB-41	4.49		PCB-78	(0.148)				
PCB-8	25.4		PCB-22	26.9		PCB-71/40	25.6	C	PCB-81	[0.311]	J EMPC			
PCB-14	(0.674)		PCB-36	(0.363)		PCB-64	22.9		PCB-77	10.8				
PCB-11	39.3	B	PCB-39	(0.35)										
PCB-13/12	3.37	C	PCB-38	(0.394)										
PCB-15	21.6		PCB-35	[1.94]	EMPC									
			PCB-37	30.8										
Conc.	107		Conc.	384					Conc.	643				
EMPC	107		EMPC	387					EMPC	644				
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC		
						Mono-Tri			515			518		
						Tetra-Hexa			2,250			2,250		
						Hepta-Deca			348			348		
						Mono-Deca			3,110			3,120		

Sample ID: JW-EA06-COMP-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.0742)		PCB-109/119/86...	82.8	C	PCB-155	(0.0646)		PCB-165	(0.0868)	
PCB-96	0.795	J	PCB-117	3.33		PCB-152	(0.0686)		PCB-146	32.4	
PCB-103	1.28		PCB-116/85	19.5	C	PCB-150	(0.0669)		PCB-161	(0.0779)	
PCB-94	0.464	J	PCB-110	153		PCB-136	16.4		PCB-153/168	146	C
PCB-95	74.4		PCB-115	1.7		PCB-145	(0.0717)		PCB-141	26.3	
PCB-100/93	1.11	J C	PCB-82	15.3		PCB-148	0.456	J	PCB-130	12.5	
PCB-102	2.81		PCB-111	(0.09)		PCB-151/135	47.2	C	PCB-137	6.89	
PCB-98	(0.13)		PCB-120	[0.745]	J EMPC	PCB-154	3.24		PCB-164	10.8	
PCB-88	(0.127)		PCB-108/124	4.62	C	PCB-144	6.39		PCB-163/138/129	197	C
PCB-91	13.7		PCB-107	10.8		PCB-147/149	122	C	PCB-160	(0.0797)	
PCB-84	27.4		PCB-123	2.18		PCB-134	8.4		PCB-158	16.2	
PCB-89	1.24		PCB-106	(0.0998)		PCB-143	0.437	J	PCB-128/166	22.2	C
PCB-121	(0.0875)		PCB-118	136		PCB-139/140	2.94	C	PCB-159	(0.249)	
PCB-92	23.7		PCB-122	1.67		PCB-131	1.97		PCB-162	0.482	J
PCB-113/90/101	132	C	PCB-114	2.47		PCB-142	(0.11)		PCB-167	5.6	
PCB-83	7.01		PCB-105	52.9		PCB-132	49.1		PCB-156/157	17.2	C
PCB-99	76.6		PCB-127	(0.113)		PCB-133	3.53		PCB-169	(0.303)	
PCB-112	[0.128]	J EMPC	PCB-126	[0.575]	J						
			Conc.	850					Conc.	755	
			EMPC	851					EMPC	755	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.0939)		PCB-174	33.4		PCB-202	5.52		PCB-208	3.51	
PCB-179	15.4		PCB-177	23.2		PCB-201	2.49		PCB-207	1.34	
PCB-184	(0.0996)		PCB-181	(0.218)		PCB-204	(0.177)		PCB-206	11.7	
PCB-176	3.97		PCB-171/173	9.97	C	PCB-197	0.429	J			
PCB-186	(0.0956)		PCB-172	1.73		PCB-200	2.31		Conc.	16.6	
PCB-178	8.63		PCB-192	(0.154)		PCB-198/199	21.9	C	EMPC	16.6	
PCB-175	1.33		PCB-180/193	50	C	PCB-196	8.36				
PCB-187	47.5		PCB-191	1	J	PCB-203	12.5		Deca	Conc.	Qualifiers
PCB-182	(0.201)		PCB-170	20.5		PCB-195	6.83		PCB-209	8	
PCB-183	21.1		PCB-190	4.8		PCB-194	18.8				
PCB-185	(0.22)		PCB-189	1.2		PCB-205	0.669	J			
			Conc.	244		Conc.	79.8				
			EMPC	244		EMPC	79.8				

Sample ID: JW-EA03-COMP-120507**Method 1668B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	18-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	6.91 g	Sample ID:	A4371_9893_PCB_004-RJ	Date Extracted:	25-May-2012
Date Collected:	07-May-2012	% Solids	44.6 %	QC Batch No.:	9893	Date Analyzed:	05-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	1.89				ES PCB-1	50.5	
PCB-81 344'5'-TeCB	ND	0.501			ES PCB-3	49.8	
PCB-105 233'44'-PeCB	20.5				ES PCB-4	40.3	
PCB-114 2344'5'-PeCB	1.02			J	ES PCB-15	73.6	
PCB-118 23'44'5'-PeCB	51.5				ES PCB-19	54.1	
PCB-123 23'44'5'-PeCB	0.9			J	ES PCB-37	123	
PCB-126 33'44'5'-PeCB	ND	0.312			ES PCB-54	78	
PCB-156/157 233'44'5'/233'44'5'-HxCB	9.89			C	ES PCB-77	158 V	
PCB-167 23'44'55'-HxCB	2.97				ES PCB-81	174 V	
PCB-169 33'44'55'-HxCB	ND	0.545			ES PCB-104	58.1	
PCB-189 233'44'55'-HpCB	EMPC		0.508	J	ES PCB-105	104	
					ES PCB-114	98.6	
TEQs (WHO M/H)					ES PCB-118	106	
					ES PCB-123	98.5	
ND = 0	0.00279		0.00281		ES PCB-126	135 V	
ND = 0.5 x DL	0.0266		0.0266				
					ES PCB-155	92.1	
Totals					ES PCB-156/157	110	
					ES PCB-167	123 V	
					ES PCB-169	112	
Mono-CBs	2.49		6.17				
Di-CBs	54.1						
Tri-CBs	181		183				
Tetra-CBs	206		208		ES PCB-188	82.2	
Penta-CBs	343		344		ES PCB-189	131 V	
Hexa-CBs	409		414		ES PCB-202	86.1	
Hepta-CBs	106		123		ES PCB-205	112	
Octa-CBs	73.5		82.2		ES PCB-206	76.9	
Nona-CBs	38.8				ES PCB-208	90.6	
Deca-CB	15.1				ES PCB-209	92	
					CS PCB-28	126	
Total PCB (Mono-Deca)	1,430		1,470		CS PCB-111	109	
					CS PCB-178	88.8	

Checkcode: 302-095-KNN


SGS AP PCB 2012 Rev. 1.4

Report Created: 09-Jul-2012 15:35 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA03-COMP-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	18-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	6.91 g		Sample ID:	A4371_9893_PCB_004-RJ		Date Extracted:	25-May-2012				
Date Collected:	07-May-2012		% Solids	44.6 %		QC Batch No.:	9893		Date Analyzed:	05-Jul-2012				
			Units	pg/g		Checkcode:	302-095-KNN		Time Analyzed:	18:16:17				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	[2.08]	B EMPC	PCB-19	1.94		PCB-54	(0.208)		PCB-72	(0.488)				
PCB-2	[1.6]	EMPC	PCB-30/18	20.3	C	PCB-50/53	3.03	C	PCB-68	(0.468)				
PCB-3	2.49		PCB-17	12.2		PCB-45	3.71		PCB-57	(0.521)				
			PCB-27	[2.1]	EMPC	PCB-51	0.989	J	PCB-58	(0.522)				
Conc.	2.49		PCB-24	(0.88)		PCB-46	1.61		PCB-67	1.42	J			
EMPC	6.17		PCB-16	12.4		PCB-52	30.6	B	PCB-63	[1]	J EMPC			
			PCB-32	8.26		PCB-73	(0.143)		PCB-61/70/74/76	45.3	C			
Di	Conc.	Qualifiers	PCB-34	(0.8)		PCB-43	[0.8]	J EMPC	PCB-66	22.6				
PCB-4	5.24		PCB-23	(0.764)		PCB-69/49	15.6	C	PCB-55	(0.531)				
PCB-10	(2.39)		PCB-26/29	5.94	B C	PCB-48	5.45		PCB-56	7.89				
PCB-9	(2.29)		PCB-25	2.82		PCB-44/47/65	27	C	PCB-60	3.41				
PCB-7	(2.03)		PCB-31	31.7		PCB-59/62/75	2.53	J C	PCB-80	(0.465)				
PCB-6	2.13		PCB-28/20	42.5	C	PCB-42	7.38		PCB-79	(0.496)				
PCB-5	(2.14)		PCB-21/33	14.5	C	PCB-41	2.92		PCB-78	(0.601)				
PCB-8	11.3	B	PCB-22	14.5		PCB-71/40	11.8	C	PCB-81	(0.501)				
PCB-14	(1.84)		PCB-36	(0.785)		PCB-64	11.2		PCB-77	1.89				
PCB-11	20.9	B	PCB-39	(0.758)										
PCB-13/12	2.03	J C	PCB-38	(0.851)										
PCB-15	12.5		PCB-35	(0.854)										
			PCB-37	14.3										
Conc.	54.1		Conc.	181					Conc.	206				
EMPC	54.1		EMPC	183					EMPC	208				
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC		
						Mono-Tri			238			244		
						Tetra-Hexa			959			966		
						Hepta-Deca			233			259		
						Mono-Deca			1,430			1,470		

Sample ID: JW-EA03-COMP-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.235)		PCB-109/119/86...	33.6	C	PCB-155	(0.211)		PCB-165	(0.284)	
PCB-96	(0.231)		PCB-117	2.69		PCB-152	(0.224)		PCB-146	17.4	
PCB-103	0.616	J	PCB-116/85	7.09	C	PCB-150	(0.218)		PCB-161	(0.254)	
PCB-94	(0.39)		PCB-110	62.2		PCB-136	9.45		PCB-153/168	74.1	C
PCB-95	37.3		PCB-115	[1.09]	J EMPC	PCB-145	(0.234)		PCB-141	15.4	
PCB-100/93	(0.356)	C	PCB-82	5.68		PCB-148	(0.309)		PCB-130	7.84	
PCB-102	1.43	J	PCB-111	(0.284)		PCB-151/135	26	C	PCB-137	5.32	
PCB-98	(0.411)		PCB-120	(0.283)		PCB-154	[1.16]	J EMPC	PCB-164	6.45	
PCB-88	(0.4)		PCB-108/124	2.06	J C	PCB-144	3.75		PCB-163/138/129	106	C
PCB-91	5.9		PCB-107	4.14		PCB-147/149	64.4	C	PCB-160	(0.26)	
PCB-84	12.3		PCB-123	0.9	J	PCB-134	5.32		PCB-158	10.3	
PCB-89	(0.399)		PCB-106	(0.315)		PCB-143	(0.336)		PCB-128/166	12.5	C
PCB-121	(0.277)		PCB-118	51.5		PCB-139/140	[1.83]	J EMPC C	PCB-159	(0.47)	
PCB-92	10.5		PCB-122	(0.343)		PCB-131	[1.32]	J EMPC	PCB-162	(0.442)	
PCB-113/90/101	52.5	C	PCB-114	1.02	J	PCB-142	(0.36)		PCB-167	2.97	
PCB-83	3.29		PCB-105	20.5		PCB-132	30.8		PCB-156/157	9.89	C
PCB-99	28.1		PCB-127	(0.33)		PCB-133	1.86		PCB-169	(0.545)	
PCB-112	(0.285)		PCB-126	(0.312)							
			Conc.	343					Conc.	409	
			EMPC	344					EMPC	414	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.203)		PCB-174	17		PCB-202	6.42		PCB-208	7.47	
PCB-179	8.28		PCB-177	[10]	EMPC	PCB-201	[2.2]	EMPC	PCB-207	2.36	
PCB-184	(0.215)		PCB-181	(0.564)		PCB-204	(0.55)		PCB-206	29	
PCB-176	[1.89]	EMPC	PCB-171/173	[4.83]	EMPC C	PCB-197	(0.473)				
PCB-186	(0.207)		PCB-172	1.73		PCB-200	1.65		Conc.	38.8	
PCB-178	4.62		PCB-192	(0.396)		PCB-198/199	27.1	C	EMPC	38.8	
PCB-175	(0.549)		PCB-180/193	26.6	C	PCB-196	[6.53]	EMPC			
PCB-187	24.4		PCB-191	(0.392)		PCB-203	16		Deca	Conc.	Qualifiers
PCB-182	(0.518)		PCB-170	10.4		PCB-195	4.61		PCB-209	15.1	
PCB-183	9.09		PCB-190	2.57		PCB-194	17.7				
PCB-185	1.22	J	PCB-189	[0.508]	J EMPC	PCB-205	(0.692)				
			Conc.	106		Conc.	73.5				
			EMPC	123		EMPC	82.2				

Sample ID: JW-EA02-COMP-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	18-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	6.59 g	Sample ID:	A4371_9893_PCB_005-RJ	Date Extracted:	25-May-2012
Date Collected:	07-May-2012	% Solids	44.8 %	QC Batch No.:	9893	Date Analyzed:	05-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	8.16				ES PCB-1	49.6	
PCB-81 344'5"-TeCB	ND	0.552			ES PCB-3	49.3	
PCB-105 233'44"-PeCB	99.2				ES PCB-4	40.1	
PCB-114 2344'5"-PeCB	5.51				ES PCB-15	72.3	
PCB-118 23'44'5"-PeCB	253				ES PCB-19	52.7	
PCB-123 23'44'5"-PeCB	5.42				ES PCB-37	121	
PCB-126 33'44'5"-PeCB	EMPC		1.07	J	ES PCB-54	82.6	
PCB-156/157 233'44'5"/233'44'5"-HxCB	45.9			C	ES PCB-77	152 V	
PCB-167 23'44'55"-HxCB	14.2				ES PCB-81	163 V	
PCB-169 33'44'55"-HxCB	ND	0.788			ES PCB-104	56.3	
PCB-189 233'44'55"-HpCB	EMPC		2.23		ES PCB-105	101	
					ES PCB-114	94.3	
TEQs (WHO M/H)					ES PCB-118	101	
					ES PCB-123	98	
ND = 0	0.0135		0.12		ES PCB-126	137 V	
ND = 0.5 x DL	0.0497		0.132				
					ES PCB-155	89.2	
Totals					ES PCB-156/157	118	
					ES PCB-167	118	
Mono-CBs	20				ES PCB-169	103	
Di-CBs	242						
Tri-CBs	1,510		1,520				
Tetra-CBs	1,730				ES PCB-188	77.7	
Penta-CBs	1,770		1,780		ES PCB-189	121 V	
Hexa-CBs	1,560		1,560		ES PCB-202	89.2	
Hepta-CBs	367		382		ES PCB-205	105	
Octa-CBs	109		111		ES PCB-206	87	
Nona-CBs	18.1		22		ES PCB-208	85.6	
Deca-CB	9.42				ES PCB-209	87.8	
					CS PCB-28	133 V	
Total PCB (Mono-Deca)	7,340		7,380		CS PCB-111	110	
					CS PCB-178	86.7	

Checkcode: 950-021-YLN


SGS AP PCB 2012 Rev. 1.4

Report Created: 09-Jul-2012 15:37 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA02-COMP-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	18-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	6.59 g		Sample ID:	A4371_9893_PCB_005-RJ		Date Extracted:	25-May-2012				
Date Collected:	07-May-2012		% Solids	44.8 %		QC Batch No.:	9893		Date Analyzed:	05-Jul-2012				
			Units	pg/g		Checkcode:	950-021-YLN		Time Analyzed:	21:14:20				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	6.31		PCB-19	15.4		PCB-54	0.827	J	PCB-72	2.64				
PCB-2	5.83		PCB-30/18	125	C	PCB-50/53	30.7	C	PCB-68	1.53				
PCB-3	7.82		PCB-17	80.8		PCB-45	36.8		PCB-57	1.69				
			PCB-27	15.8		PCB-51	9.75		PCB-58	(0.627)				
Conc.	20		PCB-24	3.34		PCB-46	14.8		PCB-67	9.25				
EMPC	20		PCB-16	82.8		PCB-52	277		PCB-63	7.83				
			PCB-32	56.7		PCB-73	0.695	J	PCB-61/70/74/76	304	C			
Di	Conc.	Qualifiers	PCB-34	(1.34)		PCB-43	10.9		PCB-66	148				
PCB-4	20.5		PCB-23	(1.28)		PCB-69/49	150	C	PCB-55	2.13				
PCB-10	1.37	J	PCB-26/29	47	C	PCB-48	56.6		PCB-56	39.9				
PCB-9	3.21		PCB-25	24.8		PCB-44/47/65	259	C	PCB-60	17.9				
PCB-7	1.83		PCB-31	280		PCB-59/62/75	24.9	C	PCB-80	(0.559)				
PCB-6	10.8		PCB-28/20	418	C	PCB-42	71.9		PCB-79	2.72				
PCB-5	1.12	J	PCB-21/33	98.6	C	PCB-41	28.9		PCB-78	(0.656)				
PCB-8	55.1		PCB-22	135		PCB-71/40	109	C	PCB-81	(0.552)				
PCB-14	(2.21)		PCB-36	(1.33)		PCB-64	106		PCB-77	8.16				
PCB-11	40.7	B	PCB-39	(1.28)										
PCB-13/12	9.44	C	PCB-38	(1.43)										
PCB-15	97.5		PCB-35	[6.23]	EMPC									
			PCB-37	129										
Conc.	242		Conc.	1,510					Conc.	1,730				
EMPC	242		EMPC	1,520					EMPC	1,730				
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC		
						Mono-Tri			1,770			1,780		
						Tetra-Hexa			5,060			5,070		
						Hepta-Deca			503			525		
						Mono-Deca			7,340			7,380		

Sample ID: JW-EA02-COMP-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.491)		PCB-109/119/86...	163	C	PCB-155	(0.36)		PCB-165	(0.447)	
PCB-96	3.83		PCB-117	6.5		PCB-152	(0.383)		PCB-146	56.1	
PCB-103	[2.28]	EMPC	PCB-116/85	37.9	C	PCB-150	(0.378)		PCB-161	(0.41)	
PCB-94	[1.66]	EMPC	PCB-110	326		PCB-136	36.4		PCB-153/168	281	C
PCB-95	233		PCB-115	7.46		PCB-145	(0.399)		PCB-141	51.3	
PCB-100/93	3.37	C	PCB-82	28.5		PCB-148	(0.518)		PCB-130	27.7	
PCB-102	8.36		PCB-111	(0.537)		PCB-151/135	90.8	C	PCB-137	19	
PCB-98	(0.802)		PCB-120	(0.544)		PCB-154	4.67		PCB-164	23.9	
PCB-88	(0.805)		PCB-108/124	10.9	C	PCB-144	12.1		PCB-163/138/129	408	C
PCB-91	36.4		PCB-107	19.7		PCB-147/149	234	C	PCB-160	(0.436)	
PCB-84	64		PCB-123	5.42		PCB-134	22.2		PCB-158	38.4	
PCB-89	[2.48]	EMPC	PCB-106	(0.579)		PCB-143	(0.531)		PCB-128/166	60.2	C
PCB-121	(0.539)		PCB-118	253		PCB-139/140	7.34	C	PCB-159	(0.616)	
PCB-92	48.6		PCB-122	3.52		PCB-131	[5.29]	EMPC	PCB-162	1.28	J
PCB-113/90/101	254	C	PCB-114	5.51		PCB-142	(0.556)		PCB-167	14.2	
PCB-83	15.7		PCB-105	99.2		PCB-132	117		PCB-156/157	45.9	C
PCB-99	135		PCB-127	(0.584)		PCB-133	5.87		PCB-169	(0.788)	
PCB-112	(0.566)		PCB-126	[1.07]	J EMPC						
			Conc.	1,770					Conc.	1,560	
			EMPC	1,780					EMPC	1,560	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.289)		PCB-174	49.6		PCB-202	7.61		PCB-208	[3.88]	EMPC
PCB-179	21.1		PCB-177	38.7		PCB-201	3.62		PCB-207	1.83	
PCB-184	(0.297)		PCB-181	(0.917)		PCB-204	(0.437)		PCB-206	16.3	
PCB-176	5.41		PCB-171/173	18.8	C	PCB-197	0.673	J			
PCB-186	(0.281)		PCB-172	5.75		PCB-200	[2.26]	EMPC	Conc.	18.1	
PCB-178	[9.97]	EMPC	PCB-192	(0.667)		PCB-198/199	32.6	C	EMPC	22	
PCB-175	2.71		PCB-180/193	70.6	C	PCB-196	13.3				
PCB-187	73.9		PCB-191	2.05		PCB-203	19.5		Deca	Conc.	Qualifiers
PCB-182	(0.844)		PCB-170	36.4		PCB-195	8.87		PCB-209	9.42	
PCB-183	32.2		PCB-190	9.58		PCB-194	21.9				
PCB-185	[2.72]	EMPC	PCB-189	[2.23]	EMPC	PCB-205	1.02	J			
			Conc.	367		Conc.	109				
			EMPC	382		EMPC	111				

Sample ID: JW-EA04-COMP-120507**Method 1668B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	11-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	9.53 g	Sample ID:	A4371_9893_PCB_006-RJ	Date Extracted:	25-May-2012
Date Collected:	07-May-2012	% Solids	60.1 %	QC Batch No.:	9893	Date Analyzed:	05-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	8.36				ES PCB-1	46.8	
PCB-81 344'5"-TeCB	ND	0.335			ES PCB-3	49.7	
PCB-105 233'44"-PeCB	59.8				ES PCB-4	39	
PCB-114 2344'5"-PeCB	3.12				ES PCB-15	74.8	
PCB-118 23'44'5"-PeCB	151				ES PCB-19	51.5	
PCB-123 23'44'5"-PeCB	2.81				ES PCB-37	119	
PCB-126 33'44'5"-PeCB	EMPC		0.583	J	ES PCB-54	71.9	
PCB-156/157 233'44'5"/233'44'5"-HxCB	21.6			C	ES PCB-77	146 V	
PCB-167 23'44'55"-HxCB	7.28				ES PCB-81	161 V	
PCB-169 33'44'55"-HxCB	ND	0.729			ES PCB-104	59.5	
PCB-189 233'44'55"-HpCB	1.59				ES PCB-105	102	
					ES PCB-114	98.6	
TEQs (WHO M/H)					ES PCB-118	102	
					ES PCB-123	96.5	
ND = 0	0.00824		0.0665		ES PCB-126	126 V	
ND = 0.5 x DL	0.0387		0.0775				
					ES PCB-155	90	
Totals					ES PCB-156/157	107	
					ES PCB-167	118	
					ES PCB-169	73	
Mono-CBs	15.7						
Di-CBs	127		135				
Tri-CBs	755						
Tetra-CBs	1,000		1,010		ES PCB-188	75.9	
Penta-CBs	1,100		1,100		ES PCB-189	123 V	
Hexa-CBs	943		951		ES PCB-202	84	
Hepta-CBs	303		305		ES PCB-205	104	
Octa-CBs	89.2		91.8		ES PCB-206	74.8	
Nona-CBs	19.1				ES PCB-208	85.8	
Deca-CB	8.01				ES PCB-209	85.7	
					CS PCB-28	130	
Total PCB (Mono-Deca)	4,360		4,390		CS PCB-111	114 V	
					CS PCB-178	90.1	

Checkcode: 290-077-ZSC


SGS AP PCB 2012 Rev. 1.4

Report Created: 09-Jul-2012 15:37 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA04-COMP-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	11-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	9.53 g		Sample ID:	A4371_9893_PCB_006-RJ		Date Extracted:	25-May-2012							
Date Collected:	07-May-2012		% Solids	60.1 %		QC Batch No.:	9893		Date Analyzed:	05-Jul-2012							
			Units	pg/g		Checkcode:	290-077-ZSC		Time Analyzed:	22:07:24							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	6.12		PCB-19	7.77		PCB-54	(0.276)		PCB-72	[1.74]	EMPC						
PCB-2	3.36		PCB-30/18	78.1	C	PCB-50/53	17	C	PCB-68	1.01	J						
PCB-3	6.19		PCB-17	43.6		PCB-45	19.4		PCB-57	0.854	J						
			PCB-27	7.87		PCB-51	4.47		PCB-58	[0.518]	J EMPC						
Conc.	15.7		PCB-24	(0.839)		PCB-46	7.64		PCB-67	5.64							
EMPC	15.7		PCB-16	46.1		PCB-52	152		PCB-63	4.77							
			PCB-32	32.2		PCB-73	0.422	J	PCB-61/70/74/76	190	C						
Di	Conc.	Qualifiers	PCB-34	(1.26)		PCB-43	5.24		PCB-66	103							
PCB-4	13.7		PCB-23	(1.2)		PCB-69/49	81.9	C	PCB-55	1.68							
PCB-10	(2.39)		PCB-26/29	23.1	C	PCB-48	30		PCB-56	36.1							
PCB-9	2.17		PCB-25	11.7		PCB-44/47/65	136	C	PCB-60	14.4							
PCB-7	1.19		PCB-31	134		PCB-59/62/75	12.9	C	PCB-80	(0.339)							
PCB-6	[8.01]	EMPC	PCB-28/20	185	C	PCB-42	38.4		PCB-79	1.63							
PCB-5	(1.83)		PCB-21/33	64.1	C	PCB-41	15.4		PCB-78	(0.398)							
PCB-8	37.8		PCB-22	62.6		PCB-71/40	60.4	C	PCB-81	(0.335)							
PCB-14	(1.55)		PCB-36	(1.25)		PCB-64	54.9		PCB-77	8.36							
PCB-11	23.7	B	PCB-39	(1.21)													
PCB-13/12	4.49	C	PCB-38	(1.34)													
PCB-15	43.7		PCB-35	3.3													
			PCB-37	54.4													
Conc.	127		Conc.	755					Conc.	1,000							
EMPC	135		EMPC	755					EMPC	1,010							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						897			905		
						Tetra-Hexa						3,040			3,060		
						Hepta-Deca						419			424		
						Mono-Deca						4,360			4,390		

Sample ID: JW-EA04-COMP-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.256)		PCB-109/119/86...	102	C	PCB-155	(0.182)		PCB-165	(0.227)	
PCB-96	1.99		PCB-117	3.6		PCB-152	(0.194)		PCB-146	42.4	
PCB-103	[1.69]	EMPC	PCB-116/85	24.3	C	PCB-150	(0.191)		PCB-161	(0.208)	
PCB-94	1.1		PCB-110	209		PCB-136	21.2		PCB-153/168	181	C
PCB-95	131		PCB-115	2.03		PCB-145	(0.202)		PCB-141	31.4	
PCB-100/93	1.92	J C	PCB-82	18.6		PCB-148	[0.955]	J EMPC	PCB-130	15.7	
PCB-102	5.06		PCB-111	(0.252)		PCB-151/135	64.8	C	PCB-137	8.32	
PCB-98	(0.377)		PCB-120	1.31		PCB-154	[4.19]	EMPC	PCB-164	15	
PCB-88	(0.378)		PCB-108/124	5.82	C	PCB-144	8.17		PCB-163/138/129	230	C
PCB-91	20.9		PCB-107	14.2		PCB-147/149	157	C	PCB-160	(0.221)	
PCB-84	38.7		PCB-123	2.81		PCB-134	12.4		PCB-158	20.7	
PCB-89	[1.65]	EMPC	PCB-106	(0.272)		PCB-143	[0.391]	J EMPC	PCB-128/166	29.8	C
PCB-121	(0.253)		PCB-118	151		PCB-139/140	4.48	C	PCB-159	(0.409)	
PCB-92	32.4		PCB-122	2.04		PCB-131	[2.72]	EMPC	PCB-162	0.799	J
PCB-113/90/101	160	C	PCB-114	3.12		PCB-142	(0.282)		PCB-167	7.28	
PCB-83	9.32		PCB-105	59.8		PCB-132	66.3		PCB-156/157	21.6	C
PCB-99	95.4		PCB-127	(0.272)		PCB-133	5.01		PCB-169	(0.729)	
PCB-112	(0.266)		PCB-126	[0.583]	J EMPC						
			Conc.	1,100					Conc.	943	
			EMPC	1,100					EMPC	951	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.255)		PCB-174	41.3		PCB-202	5.7		PCB-208	4.24	
PCB-179	17.5		PCB-177	30.5		PCB-201	[2.58]	EMPC	PCB-207	1.54	
PCB-184	(0.262)		PCB-181	(0.67)		PCB-204	(0.441)		PCB-206	13.3	
PCB-176	5.03		PCB-171/173	13	C	PCB-197	0.437	J			
PCB-186	(0.247)		PCB-172	4.54		PCB-200	2.67		Conc.	19.1	
PCB-178	10.2		PCB-192	(0.526)		PCB-198/199	27.6	C	EMPC	19.1	
PCB-175	[1.61]	EMPC	PCB-180/193	55.2	C	PCB-196	10.8				
PCB-187	62.6		PCB-191	1.47		PCB-203	16.6		Deca	Conc.	Qualifiers
PCB-182	(0.617)		PCB-170	23.6		PCB-195	6.95		PCB-209	8.01	
PCB-183	25.7		PCB-190	6.87		PCB-194	17.8				
PCB-185	3.98		PCB-189	1.59		PCB-205	0.755	J			
			Conc.	303		Conc.	89.2				
			EMPC	305		EMPC	91.8				

Sample ID: JW-EA09-COMP-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	11-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	9.48 g	Sample ID:	A4371_9893_PCB_007-RJ	Date Extracted:	25-May-2012
Date Collected:	07-May-2012	% Solids	63.4 %	QC Batch No.:	9893	Date Analyzed:	05-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	95				ES PCB-1	47.3	
PCB-81 344'5'-TeCB	3.23				ES PCB-3	53.5	
PCB-105 233'44'-PeCB	1,160				ES PCB-4	39.8	
PCB-114 2344'5'-PeCB	55.3				ES PCB-15	76.5	
PCB-118 23'44'5'-PeCB	2,610				ES PCB-19	55.6	
PCB-123 23'44'5'-PeCB	41.1				ES PCB-37	125 V	
PCB-126 33'44'5'-PeCB	4.75				ES PCB-54	74.8	
PCB-156/157 233'44'5'/233'44'5'-HxCB	376			C	ES PCB-77	155 V	
PCB-167 23'44'55'-HxCB	103				ES PCB-81	170 V	
PCB-169 33'44'55'-HxCB	ND	0.885			ES PCB-104	55.7	
PCB-189 233'44'55'-HpCB	12.7				ES PCB-105	99.1	
					ES PCB-114	95.1	
TEQs (WHO M/H)					ES PCB-118	102	
					ES PCB-123	95.7	
ND = 0	0.616			0.616	ES PCB-126	131 V	
ND = 0.5 x DL	0.63			0.63			
					ES PCB-155	100	
Totals					ES PCB-156/157	124 V	
					ES PCB-167	128 V	
					ES PCB-169	99.6	
Mono-CBs	105						
Di-CBs	709			713			
Tri-CBs	2,390			2,390			
Tetra-CBs	7,870				ES PCB-188	79.6	
Penta-CBs	18,400				ES PCB-189	125 V	
Hexa-CBs	10,500			10,500	ES PCB-202	87.1	
Hepta-CBs	2,010			2,040	ES PCB-205	108	
Octa-CBs	592				ES PCB-206	88.1	
Nona-CBs	115				ES PCB-208	85.7	
Deca-CB	28.6				ES PCB-209	87.7	
					CS PCB-28	146 V	
Total PCB (Mono-Deca)	42,700			42,700	CS PCB-111	114 V	
					CS PCB-178	90.9	

Checkcode: 758-718-ZMK


SGS AP PCB 2012 Rev. 1.4

Report Created: 09-Jul-2012 15:38 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA09-COMP-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	11-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	9.48 g		Sample ID:	A4371_9893_PCB_007-RJ		Date Extracted:	25-May-2012				
Date Collected:	07-May-2012		% Solids	63.4 %		QC Batch No.:	9893		Date Analyzed:	05-Jul-2012				
			Units	pg/g		Checkcode:	758-718-ZMK		Time Analyzed:	23:02:26				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	38		PCB-19	16.4		PCB-54	0.651	J	PCB-72	12				
PCB-2	23.6		PCB-30/18	248	C	PCB-50/53	59.9	C	PCB-68	6.11				
PCB-3	43.9		PCB-17	108		PCB-45	52.2		PCB-57	2.67				
			PCB-27	19		PCB-51	14.7		PCB-58	3.67				
Conc.	105		PCB-24	[2.13]	EMPC	PCB-46	21.4		PCB-67	22				
EMPC	105		PCB-16	104		PCB-52	1,400		PCB-63	36.2				
			PCB-32	86.2		PCB-73	1.89		PCB-61/70/74/76	2,310	C			
Di	Conc.	Qualifiers	PCB-34	2.8		PCB-43	17.6		PCB-66	1,070				
PCB-4	36.2		PCB-23	(0.858)		PCB-69/49	423	C	PCB-55	15.8				
PCB-10	1.88		PCB-26/29	69.5	C	PCB-48	90.9		PCB-56	462				
PCB-9	5.4		PCB-25	32.4		PCB-44/47/65	740	C	PCB-60	232				
PCB-7	[3.81]	EMPC	PCB-31	474		PCB-59/62/75	38.3	C	PCB-80	(0.574)				
PCB-6	20.1		PCB-28/20	595	C	PCB-42	140		PCB-79	19.4				
PCB-5	2.2		PCB-21/33	221	C	PCB-41	39.5		PCB-78	(0.673)				
PCB-8	112		PCB-22	176		PCB-71/40	279	C	PCB-81	3.23				
PCB-14	1.19		PCB-36	5.85		PCB-64	265		PCB-77	95				
PCB-11	398		PCB-39	3.87										
PCB-13/12	19.5	C	PCB-38	(0.958)										
PCB-15	112		PCB-35	18.5										
			PCB-37	209										
Conc.	709		Conc.	2,390					Conc.	7,870				
EMPC	713		EMPC	2,390					EMPC	7,870				
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC		
						Mono-Tri			3,200			3,210		
						Tetra-Hexa			36,700			36,700		
						Hepta-Deca			2,750			2,770		
Mono-Deca			42,700			42,700								

Sample ID: JW-EA09-COMP-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.197)		PCB-109/119/86...	1,950	C	PCB-155	(0.124)		PCB-165	(0.154)	
PCB-96	11.3		PCB-117	50.6		PCB-152	1.92		PCB-146	320	
PCB-103	10.9		PCB-116/85	455	C	PCB-150	[1.81]	EMPC	PCB-161	(0.141)	
PCB-94	8.48		PCB-110	3,500		PCB-136	252		PCB-153/168	1,800	C
PCB-95	1,920		PCB-115	39.7		PCB-145	[0.986]	J EMPC	PCB-141	351	
PCB-100/93	12	C	PCB-82	344		PCB-148	1.99		PCB-130	184	
PCB-102	50.6		PCB-111	(0.221)		PCB-151/135	561	C	PCB-137	136	
PCB-98	1.84		PCB-120	7.01		PCB-154	19.6		PCB-164	164	
PCB-88	1.08		PCB-108/124	104	C	PCB-144	87.6		PCB-163/138/129	2,730	C
PCB-91	283		PCB-107	202		PCB-147/149	1,570	C	PCB-160	(0.15)	
PCB-84	688		PCB-123	41.1		PCB-134	142		PCB-158	282	
PCB-89	21.7		PCB-106	(0.238)		PCB-143	7.65		PCB-128/166	456	C
PCB-121	(0.222)		PCB-118	2,610		PCB-139/140	45.6	C	PCB-159	(0.674)	
PCB-92	483		PCB-122	33.3		PCB-131	36.6		PCB-162	7.96	
PCB-113/90/101	2,750	C	PCB-114	55.3		PCB-142	(0.191)		PCB-167	103	
PCB-83	148		PCB-105	1,160		PCB-132	840		PCB-156/157	376	C
PCB-99	1,430		PCB-127	(0.241)		PCB-133	31.2		PCB-169	(0.885)	
PCB-112	(0.233)		PCB-126	4.75							
			Conc.	18,400					Conc.	10,500	
			EMPC	18,400					EMPC	10,500	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.15)		PCB-174	301		PCB-202	35.7		PCB-208	25.2	
PCB-179	95.2		PCB-177	193		PCB-201	17.6		PCB-207	10.3	
PCB-184	(0.154)		PCB-181	5.48		PCB-204	(0.286)		PCB-206	79.9	
PCB-176	[26.1]	EMPC	PCB-171/173	109	C	PCB-197	3.44				
PCB-186	(0.146)		PCB-172	27.7		PCB-200	15.9		Conc.	115	
PCB-178	51.2		PCB-192	(0.508)		PCB-198/199	179	C	EMPC	115	
PCB-175	12.1		PCB-180/193	392	C	PCB-196	68.4				
PCB-187	357		PCB-191	11		PCB-203	112		Deca	Conc.	Qualifiers
PCB-182	1.9		PCB-170	205		PCB-195	40.4		PCB-209	28.6	
PCB-183	170		PCB-190	48.4		PCB-194	115				
PCB-185	19.4		PCB-189	12.7		PCB-205	4.43				
			Conc.	2,010		Conc.	592				
			EMPC	2,040		EMPC	592				

Sample ID: JW-UR-COMP-120508**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	11-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	10.35 g	Sample ID:	A4371_9893_PCB_008-RJ	Date Extracted:	25-May-2012
Date Collected:	08-May-2012	% Solids	55.1 %	QC Batch No.:	9893	Date Analyzed:	05-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	6.72				ES PCB-1	33.6	
PCB-81 344'5"-TeCB	ND	0.602			ES PCB-3	38	
PCB-105 233'44"-PeCB	52.1				ES PCB-4	33.1	
PCB-114 2344'5"-PeCB	EMPC		2.17		ES PCB-15	66.6	
PCB-118 23'44'5"-PeCB	128				ES PCB-19	47.8	
PCB-123 23'44'5"-PeCB	2.5				ES PCB-37	120	
PCB-126 33'44'5"-PeCB	ND	0.494			ES PCB-54	78.5	
PCB-156/157 233'44'5"/233'44'5"-HxCB	20.8			C	ES PCB-77	160 V	
PCB-167 23'44'55"-HxCB	7.01				ES PCB-81	169 V	
PCB-169 33'44'55"-HxCB	ND	0.898			ES PCB-104	50	
PCB-189 233'44'55"-HpCB	1.28				ES PCB-105	102	
					ES PCB-114	95	
TEQs (WHO M/H)					ES PCB-118	103	
					ES PCB-123	95.5	
ND = 0	0.00704		0.0071		ES PCB-126	132 V	
ND = 0.5 x DL	0.0453		0.0453				
					ES PCB-155	90.2	
Totals					ES PCB-156/157	115	
					ES PCB-167	125 V	
					ES PCB-169	91.1	
Mono-CBs	17.6						
Di-CBs	59.5						
Tri-CBs	223		226				
Tetra-CBs	448		453		ES PCB-188	77.2	
Penta-CBs	899		903		ES PCB-189	128 V	
Hexa-CBs	841		844		ES PCB-202	87.5	
Hepta-CBs	252		260		ES PCB-205	109	
Octa-CBs	96.7				ES PCB-206	78.5	
Nona-CBs	22.7				ES PCB-208	91.8	
Deca-CB	11.3				ES PCB-209	90.1	
					CS PCB-28	143 V	
Total PCB (Mono-Deca)	2,870		2,890		CS PCB-111	114 V	
					CS PCB-178	95.1	

Checkcode: 290-629-QXF


SGS AP PCB 2012 Rev. 1.4

Report Created: 09-Jul-2012 15:38 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-UR-COMP-120508**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	11-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	10.35 g		Sample ID:	A4371_9893_PCB_008-RJ		Date Extracted:	25-May-2012							
Date Collected:	08-May-2012		% Solids	55.1 %		QC Batch No.:	9893		Date Analyzed:	05-Jul-2012							
			Units	pg/g		Checkcode:	290-629-QXF		Time Analyzed:	23:57:26							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	6.97		PCB-19	(1.9)		PCB-54	(0.407)		PCB-72	1.16							
PCB-2	2.92		PCB-30/18	23	C	PCB-50/53	5.13	C	PCB-68	[0.703]	J EMPC						
PCB-3	7.69		PCB-17	14		PCB-45	[3.87]	EMPC	PCB-57	(0.689)							
			PCB-27	(1.31)		PCB-51	1.95		PCB-58	(0.684)							
Conc.	17.6		PCB-24	(1.29)		PCB-46	1.72		PCB-67	2.57							
EMPC	17.6		PCB-16	11.7		PCB-52	60.3		PCB-63	2.31							
			PCB-32	10.6		PCB-73	(0.301)		PCB-61/70/74/76	121	C						
Di	Conc.	Qualifiers	PCB-34	(1.36)		PCB-43	1.1		PCB-66	72							
PCB-4	4.98		PCB-23	(1.29)		PCB-69/49	28.2	C	PCB-55	0.955	J						
PCB-10	(4.13)		PCB-26/29	7.3	C	PCB-48	6.36		PCB-56	28.9							
PCB-9	(3.47)		PCB-25	[3.01]	EMPC	PCB-44/47/65	44.4	C	PCB-60	12.5							
PCB-7	(2.94)		PCB-31	40.2		PCB-59/62/75	3.37	C	PCB-80	(0.61)							
PCB-6	3.1		PCB-28/20	57.4	C	PCB-42	10.9		PCB-79	[0.856]	J EMPC						
PCB-5	(3.18)		PCB-21/33	20.6	C	PCB-41	2.46		PCB-78	(0.715)							
PCB-8	12.9	B	PCB-22	16.9		PCB-71/40	17.9	C	PCB-81	(0.602)							
PCB-14	(2.69)		PCB-36	(1.35)		PCB-64	16.3		PCB-77	6.72							
PCB-11	21.1	B	PCB-39	(1.3)													
PCB-13/12	2.52	C	PCB-38	(1.45)													
PCB-15	14.8		PCB-35	(1.47)													
			PCB-37	21.7													
Conc.	59.5		Conc.	223					Conc.	448							
EMPC	59.5		EMPC	226					EMPC	453							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						301			304		
						Tetra-Hexa						2,190			2,200		
						Hepta-Deca						383			391		
						Mono-Deca						2,870			2,890		

Sample ID: JW-UR-COMP-120508						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.524)		PCB-109/119/86...	84.2	C	PCB-155	(0.455)		PCB-165	(0.566)	
PCB-96	(0.522)		PCB-117	2.04		PCB-152	(0.485)		PCB-146	30.8	
PCB-103	1.39		PCB-116/85	22.8	C	PCB-150	(0.478)		PCB-161	(0.519)	
PCB-94	(0.762)		PCB-110	183		PCB-136	21		PCB-153/168	162	C
PCB-95	99.6		PCB-115	2.35		PCB-145	(0.505)		PCB-141	23.2	
PCB-100/93	1.6	J C	PCB-82	14.8		PCB-148	(0.655)		PCB-130	14.9	
PCB-102	3.16		PCB-111	(0.519)		PCB-151/135	52.9	C	PCB-137	9.05	
PCB-98	(0.775)		PCB-120	(0.526)		PCB-154	3.48		PCB-164	12.8	
PCB-88	(0.778)		PCB-108/124	5.07	C	PCB-144	7.04		PCB-163/138/129	219	C
PCB-91	16.4		PCB-107	11.2		PCB-147/149	131	C	PCB-160	(0.552)	
PCB-84	30.1		PCB-123	2.5		PCB-134	10.8		PCB-158	20.4	
PCB-89	(0.785)		PCB-106	(0.56)		PCB-143	(0.671)		PCB-128/166	29.4	C
PCB-121	(0.521)		PCB-118	128		PCB-139/140	[3.24]	EMPC C	PCB-159	(0.607)	
PCB-92	25.3		PCB-122	[1.35]	EMPC	PCB-131	2.28		PCB-162	(0.576)	
PCB-113/90/101	125	C	PCB-114	[2.17]	EMPC	PCB-142	(0.703)		PCB-167	7.01	
PCB-83	9.36		PCB-105	52.1		PCB-132	59.3		PCB-156/157	20.8	C
PCB-99	79		PCB-127	(0.514)		PCB-133	3.64		PCB-169	(0.898)	
PCB-112	(0.548)		PCB-126	(0.494)							
			Conc.	899					Conc.	841	
			EMPC	903					EMPC	844	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.473)		PCB-174	35.7		PCB-202	5.82		PCB-208	5.1	
PCB-179	15.6		PCB-177	25.5		PCB-201	2.81		PCB-207	1.94	
PCB-184	(0.486)		PCB-181	(1.29)		PCB-204	(1.04)		PCB-206	15.7	
PCB-176	3.79		PCB-171/173	11.7	C	PCB-197	(0.941)				
PCB-186	(0.459)		PCB-172	4.64		PCB-200	1.71		Conc.	22.7	
PCB-178	[7.75]	EMPC	PCB-192	(0.914)		PCB-198/199	31.6	C	EMPC	22.7	
PCB-175	(1.27)		PCB-180/193	47.4	C	PCB-196	10.6				
PCB-187	54.7		PCB-191	(0.894)		PCB-203	18		Deca	Conc.	Qualifiers
PCB-182	(1.19)		PCB-170	21.6		PCB-195	7.02		PCB-209	11.3	
PCB-183	20.3		PCB-190	5.73		PCB-194	19.1				
PCB-185	4.39		PCB-189	1.28		PCB-205	(1.02)				
			Conc.	252		Conc.	96.7				
			EMPC	260		EMPC	96.7				

Sample ID: JW-DR-COMP-120508**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	18-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	7.69 g	Sample ID:	A4371_9893_PCB_009-RJ	Date Extracted:	25-May-2012
Date Collected:	08-May-2012	% Solids	50.3 %	QC Batch No.:	9893	Date Analyzed:	06-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	32.3				ES PCB-1	51.5	
PCB-81 344'5'-TeCB	1.21			J	ES PCB-3	50.4	
PCB-105 233'44'-PeCB	219				ES PCB-4	39.5	
PCB-114 2344'5'-PeCB	10.6				ES PCB-15	78.3	
PCB-118 23'44'5'-PeCB	537				ES PCB-19	53.5	
PCB-123 23'44'5'-PeCB	9.28				ES PCB-37	124 V	
PCB-126 33'44'5'-PeCB	1.52				ES PCB-54	76.4	
PCB-156/157 233'44'5'/233'44'5'-HxCB	76.6			C	ES PCB-77	160 V	
PCB-167 23'44'55'-HxCB	23				ES PCB-81	172 V	
PCB-169 33'44'55'-HxCB	ND	0.727			ES PCB-104	55.8	
PCB-189 233'44'55'-HpCB	3.72				ES PCB-105	102	
					ES PCB-114	98.9	
TEQs (WHO M/H)					ES PCB-118	102	
					ES PCB-123	100	
ND = 0	0.182			0.182	ES PCB-126	138 V	
ND = 0.5 x DL	0.193			0.193			
					ES PCB-155	90	
Totals					ES PCB-156/157	119	
					ES PCB-167	122 V	
					ES PCB-169	116	
Mono-CBs	137						
Di-CBs	274			289			
Tri-CBs	803						
Tetra-CBs	1,640			1,640	ES PCB-188	75	
Penta-CBs	3,080			3,080	ES PCB-189	123 V	
Hexa-CBs	2,370			2,380	ES PCB-202	83.1	
Hepta-CBs	589				ES PCB-205	109	
Octa-CBs	180			184	ES PCB-206	83.5	
Nona-CBs	39.9				ES PCB-208	85.8	
Deca-CB	15.1				ES PCB-209	86.6	
					CS PCB-28	140 V	
Total PCB (Mono-Deca)	9,120			9,160	CS PCB-111	109	
					CS PCB-178	87.6	

Checkcode: 637-454-WXH


SGS AP PCB 2012 Rev. 1.4

Report Created: 09-Jul-2012 15:39 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-DR-COMP-120508**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	18-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	7.69 g		Sample ID:	A4371_9893_PCB_009-RJ		Date Extracted:	25-May-2012							
Date Collected:	08-May-2012		% Solids	50.3 %		QC Batch No.:	9893		Date Analyzed:	06-Jul-2012							
			Units	pg/g		Checkcode:	637-454-WXH		Time Analyzed:	00:52:32							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	42.1		PCB-19	4.28		PCB-54	(0.403)		PCB-72	3.28							
PCB-2	15.9		PCB-30/18	68.4	C	PCB-50/53	10.2	C	PCB-68	1.82							
PCB-3	79.1		PCB-17	36.1		PCB-45	8.68		PCB-57	0.853	J						
			PCB-27	6.26		PCB-51	3.04		PCB-58	0.968	J						
Conc.	137		PCB-24	(1.17)		PCB-46	3.29		PCB-67	7.7							
EMPC	137		PCB-16	31.3		PCB-52	206		PCB-63	8.61							
			PCB-32	28.6		PCB-73	(0.316)		PCB-61/70/74/76	499	C						
Di	Conc.	Qualifiers	PCB-34	(1.28)		PCB-43	3.78		PCB-66	288							
PCB-4	[14.7]	EMPC	PCB-23	(1.22)		PCB-69/49	83.9	C	PCB-55	(0.716)							
PCB-10	(3.49)		PCB-26/29	23.2	C	PCB-48	19.6		PCB-56	111							
PCB-9	3.51		PCB-25	12.5		PCB-44/47/65	134	C	PCB-60	55.5							
PCB-7	2.97		PCB-31	151		PCB-59/62/75	9	C	PCB-80	(0.663)							
PCB-6	10.6		PCB-28/20	214	C	PCB-42	31.1		PCB-79	[3.73]	EMPC						
PCB-5	1.55		PCB-21/33	75	C	PCB-41	8.47		PCB-78	(0.778)							
PCB-8	56.8		PCB-22	58.3		PCB-71/40	52	C	PCB-81	1.21	J						
PCB-14	(2.23)		PCB-36	(1.27)		PCB-64	52.5		PCB-77	32.3							
PCB-11	128	B	PCB-39	(1.23)													
PCB-13/12	9.43	C	PCB-38	(1.36)													
PCB-15	61.5		PCB-35	6.97													
			PCB-37	87.9													
Conc.	274		Conc.	803					Conc.	1,640							
EMPC	289		EMPC	803					EMPC	1,640							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						1,210			1,230		
						Tetra-Hexa						7,080			7,100		
						Hepta-Deca						824			828		
						Mono-Deca						9,120			9,160		

Sample ID: JW-DR-COMP-120508						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.378)		PCB-109/119/86...	301	C	PCB-155	(0.312)		PCB-165	(0.388)	
PCB-96	1.84		PCB-117	9.31		PCB-152	(0.333)		PCB-146	82.6	
PCB-103	[2.41]	EMPC	PCB-116/85	69.7	C	PCB-150	(0.328)		PCB-161	(0.356)	
PCB-94	[0.991]	J EMPC	PCB-110	576		PCB-136	46.3		PCB-153/168	446	C
PCB-95	283		PCB-115	5.99		PCB-145	(0.347)		PCB-141	78.1	
PCB-100/93	2.7	C	PCB-82	48.9		PCB-148	(0.449)		PCB-130	42.8	
PCB-102	7.44		PCB-111	(0.477)		PCB-151/135	131	C	PCB-137	25.3	
PCB-98	(0.713)		PCB-120	2.34		PCB-154	6.38		PCB-164	38.5	
PCB-88	(0.715)		PCB-108/124	19.3	C	PCB-144	17.9		PCB-163/138/129	640	C
PCB-91	41.9		PCB-107	39.5		PCB-147/149	348	C	PCB-160	(0.379)	
PCB-84	86		PCB-123	9.28		PCB-134	28.2		PCB-158	60.5	
PCB-89	3.26		PCB-106	(0.515)		PCB-143	(0.461)		PCB-128/166	87.8	C
PCB-121	(0.479)		PCB-118	537		PCB-139/140	10.8	C	PCB-159	(0.693)	
PCB-92	79.7		PCB-122	6.75		PCB-131	[5.78]	EMPC	PCB-162	1.78	
PCB-113/90/101	448	C	PCB-114	10.6		PCB-142	(0.482)		PCB-167	23	
PCB-83	24.2		PCB-105	219		PCB-132	169		PCB-156/157	76.6	C
PCB-99	244		PCB-127	[1.52]	EMPC	PCB-133	8.63		PCB-169	(0.727)	
PCB-112	(0.504)		PCB-126	[1.52]							
			Conc.	3,080					Conc.	2,370	
			EMPC	3,080					EMPC	2,380	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.322)		PCB-174	73.9		PCB-202	12.8		PCB-208	8.18	
PCB-179	29.6		PCB-177	59.1		PCB-201	5.63		PCB-207	3.17	
PCB-184	(0.331)		PCB-181	(0.601)		PCB-204	(0.562)		PCB-206	28.6	
PCB-176	8.09		PCB-171/173	28.1	C	PCB-197	[1.28]	J EMPC			
PCB-186	(0.312)		PCB-172	10.8		PCB-200	[2.95]	EMPC	Conc.	39.9	
PCB-178	19		PCB-192	(0.463)		PCB-198/199	55.2	C	EMPC	39.9	
PCB-175	3.68		PCB-180/193	110	C	PCB-196	21				
PCB-187	117		PCB-191	2.78		PCB-203	33.7		Deca	Conc.	Qualifiers
PCB-182	(0.553)		PCB-170	54		PCB-195	14.3		PCB-209	15.1	
PCB-183	48.1		PCB-190	14.1		PCB-194	35.7				
PCB-185	8.04		PCB-189	3.72		PCB-205	1.39				
			Conc.	589		Conc.	180				
			EMPC	589		EMPC	184				

Sample ID: JW-RG-COMP-120508**Method 1668B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	18-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	9.31 g	Sample ID:	A4371_9893_PCB_010-RJ	Date Extracted:	25-May-2012
Date Collected:	08-May-2012	% Solids	62.7 %	QC Batch No.:	9893	Date Analyzed:	06-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	19.4				ES PCB-1	51.8	
PCB-81 344'5'-TeCB	ND	0.353			ES PCB-3	54.8	
PCB-105 233'44'-PeCB	75.4				ES PCB-4	39.9	
PCB-114 2344'5'-PeCB	EMPC		3.35		ES PCB-15	78.1	
PCB-118 23'44'5'-PeCB	204				ES PCB-19	57.9	
PCB-123 23'44'5'-PeCB	3.16				ES PCB-37	132 V	
PCB-126 33'44'5'-PeCB	EMPC		0.548	J	ES PCB-54	79	
PCB-156/157 233'44'5'/233'44'5'-HxCB	20.5			C	ES PCB-77	164 V	
PCB-167 23'44'55'-HxCB	7.09				ES PCB-81	179 V	
PCB-169 33'44'55'-HxCB	ND	0.482			ES PCB-104	56.3	
PCB-189 233'44'55'-HpCB	1.45				ES PCB-105	107	
					ES PCB-114	99	
TEQs (WHO M/H)					ES PCB-118	106	
					ES PCB-123	101	
ND = 0	0.0113		0.0662		ES PCB-126	139 V	
ND = 0.5 x DL	0.0388		0.0734				
					ES PCB-155	94.3	
Totals					ES PCB-156/157	123 V	
					ES PCB-167	122 V	
					ES PCB-169	110	
Mono-CBs	41.7						
Di-CBs	286						
Tri-CBs	1,210		1,210				
Tetra-CBs	1,540		1,540		ES PCB-188	76.7	
Penta-CBs	1,480		1,480		ES PCB-189	124 V	
Hexa-CBs	922		928		ES PCB-202	86.9	
Hepta-CBs	303		332		ES PCB-205	110	
Octa-CBs	149				ES PCB-206	84.6	
Nona-CBs	34.4				ES PCB-208	88.2	
Deca-CB	12.9				ES PCB-209	88.5	
					CS PCB-28	141 V	
Total PCB (Mono-Deca)	5,980		6,020		CS PCB-111	114 V	
					CS PCB-178	89.3	

Checkcode: 100-294-PJP


SGS AP PCB 2012 Rev. 1.4

Report Created: 09-Jul-2012 15:40 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-RG-COMP-120508**Method 1668B**

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	18-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	9.31 g		Sample ID:	A4371_9893_PCB_010-RJ		Date Extracted:	25-May-2012				
Date Collected:	08-May-2012		% Solids	62.7 %		QC Batch No.:	9893		Date Analyzed:	06-Jul-2012				
			Units	pg/g		Checkcode:	100-294-PJP		Time Analyzed:	01:47:39				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	17.7		PCB-19	11.3		PCB-54	(0.238)		PCB-72	4.25				
PCB-2	8.82		PCB-30/18	140	C	PCB-50/53	17.7	C	PCB-68	2.46				
PCB-3	15.2		PCB-17	74.6		PCB-45	18.8		PCB-57	[0.956]	J EMPC			
			PCB-27	13		PCB-51	4.83		PCB-58	[1.08]	EMPC			
Conc.	41.7		PCB-24	[1.51]	EMPC	PCB-46	7.76		PCB-67	7.17				
EMPC	41.7		PCB-16	69.1		PCB-52	192		PCB-63	8.63				
			PCB-32	50.8		PCB-73	0.823	J	PCB-61/70/74/76	365	C			
Di	Conc.	Qualifiers	PCB-34	(1.15)		PCB-43	4.89		PCB-66	241				
PCB-4	27.6		PCB-23	(1.09)		PCB-69/49	109	C	PCB-55	2.85				
PCB-10	1.49		PCB-26/29	37.6	C	PCB-48	26.3		PCB-56	101				
PCB-9	4.64		PCB-25	18.7		PCB-44/47/65	167	C	PCB-60	38.7				
PCB-7	3.03		PCB-31	209		PCB-59/62/75	14.9	C	PCB-80	(0.358)				
PCB-6	17.6		PCB-28/20	296	C	PCB-42	44.4		PCB-79	2.29				
PCB-5	1.63		PCB-21/33	116	C	PCB-41	9.12		PCB-78	(0.42)				
PCB-8	98.2		PCB-22	91.5		PCB-71/40	69.3	C	PCB-81	(0.353)				
PCB-14	(1.68)		PCB-36	(1.14)		PCB-64	61.8		PCB-77	19.4				
PCB-11	61.1	B	PCB-39	(1.1)										
PCB-13/12	7.7	C	PCB-38	(1.22)										
PCB-15	62.6		PCB-35	5.42										
			PCB-37	76.7										
Conc.	286		Conc.	1,210					Conc.	1,540				
EMPC	286		EMPC	1,210					EMPC	1,540				
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC		
						Mono-Tri			1,540			1,540		
						Tetra-Hexa			3,940			3,950		
						Hepta-Deca			499			528		
						Mono-Deca			5,980			6,020		

Sample ID: JW-RG-COMP-120508						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.261)		PCB-109/119/86...	135	C	PCB-155	(0.199)		PCB-165	(0.247)	
PCB-96	1.44		PCB-117	4.3		PCB-152	(0.212)		PCB-146	45.1	
PCB-103	3.3		PCB-116/85	34	C	PCB-150	(0.208)		PCB-161	(0.226)	
PCB-94	[1.13]	EMPC	PCB-110	282		PCB-136	21.1		PCB-153/168	198	C
PCB-95	163		PCB-115	2.68		PCB-145	(0.22)		PCB-141	26.4	
PCB-100/93	2.44	C	PCB-82	25.1		PCB-148	(0.286)		PCB-130	15.4	
PCB-102	5.06		PCB-111	(0.305)		PCB-151/135	67.1	C	PCB-137	7.27	
PCB-98	1.01	J	PCB-120	1.96		PCB-154	(0.26)		PCB-164	14.8	
PCB-88	(0.457)		PCB-108/124	6.9	C	PCB-144	[6.26]	EMPC	PCB-163/138/129	228	C
PCB-91	27.7		PCB-107	20.9		PCB-147/149	160	C	PCB-160	(0.241)	
PCB-84	51.6		PCB-123	3.16		PCB-134	(0.353)		PCB-158	18.9	
PCB-89	2.38		PCB-106	(0.329)		PCB-143	(0.293)		PCB-128/166	28.8	C
PCB-121	(0.306)		PCB-118	204		PCB-139/140	(0.272)	C	PCB-159	(0.407)	
PCB-92	45.7		PCB-122	[2.69]	EMPC	PCB-131	(0.321)		PCB-162	(0.387)	
PCB-113/90/101	213	C	PCB-114	[3.35]	EMPC	PCB-142	(0.307)		PCB-167	7.09	
PCB-83	14.1		PCB-105	75.4		PCB-132	58.6		PCB-156/157	20.5	C
PCB-99	151		PCB-127	(0.322)		PCB-133	4.82		PCB-169	(0.482)	
PCB-112	(0.321)		PCB-126	[0.548]	J EMPC						
			Conc.	1,480					Conc.	922	
			EMPC	1,480					EMPC	928	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.201)		PCB-174	46.1		PCB-202	8.88		PCB-208	6.8	
PCB-179	[17.8]	EMPC	PCB-177	32.4		PCB-201	4.1		PCB-207	2.89	
PCB-184	(0.206)		PCB-181	(0.585)		PCB-204	(0.43)		PCB-206	24.8	
PCB-176	4.73		PCB-171/173	13.4	C	PCB-197	1.1				
PCB-186	(0.195)		PCB-172	4.81		PCB-200	3.46		Conc.	34.4	
PCB-178	[10.6]	EMPC	PCB-192	(0.426)		PCB-198/199	47.6	C	EMPC	34.4	
PCB-175	2.35		PCB-180/193	60.4	C	PCB-196	17.3				
PCB-187	76.1		PCB-191	1.55		PCB-203	27.8		Deca	Conc.	Qualifiers
PCB-182	(0.539)		PCB-170	23.3		PCB-195	9.39		PCB-209	12.9	
PCB-183	27.7		PCB-190	6.52		PCB-194	28.1				
PCB-185	2.6		PCB-189	1.45		PCB-205	0.934	J			
			Conc.	303		Conc.	149				
			EMPC	332		EMPC	149				



A4371 = AG_SGS project number

= samples this project

Anchor QEA 46 of 759
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Chain of Custody Record & Laboratory Analysis Request

Turnaround Requested:

Anchor Contact:

Page 1 of 4

Lab Contact: Amy Boehm		Project: Jeld Wen		Analyses Requested							Notes/ Comments:	
Lab: SGS		Surface Sediment		Archive for D/F & PCB	Archive	D/F & PCB						
Address: 5500 Business Drive		Proj. No.: 120909-01-01										
City, etc.: Wilmington NC 28405		Sampler: KC/NS										
Phone: (910) 350-1903		Shipping Method: Overnight										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-EAS8-SS29-120S	5/7/12	11:00	Sed	1	X							
JW-EAS8-SS30-120S	5/7/12	11:10	Sed	1		X						
JW-EAS8-SS31-120S	5/7/12	11:15	Sed	1		X						
JW-EAS8-SS32-120S	5/7/12	12:25	Sed	1		X						
JW-EAS8-WMP-120S	5/7/12	14:26	Sed	1			X					
JW-EA08-SS29-120S	5/7/12	11:00	Sed	1		X						
JW-EA08-SS30-120S	5/7/12	11:10	Sed	1		X						
JW-EA08-SS31-120S	5/7/12	11:15	Sed	1		X						
JW-EA08-SS32-120S	5/7/12	12:25	Sed	1		X						
JW-EA08-WMP-120S	5/7/12	15:28	Sed	1			X					
JW-EA06-SS22-120S	5/7/12	11:17	Sed	1		X						
JW-EA06-SS22-120S	5/7/12	11:12	Sed	1		X						
JW-EA06-SS23-120S	5/7/12	11:30	Sed	1		X						
JW-EA06-SS24-120S	5/7/12	11:40	Sed	1		X						
JW-EA06-WMP-120S	5/7/12	16:00	Sed	1			X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Julie Johnson</i>	Received By:	Received By:		
Printed Name: Julie Johnson	Printed Name:	Printed Name:		
Company: SGS	Company:	Company:	# of Coolers: 2	Cooler 3, Temp(s): 3.2°C
Date/Time: 5/9/12 1015	Date/Time:	Date/Time:	COC Seals Intact? NA	Bottles Intact?

no seals



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA 47 of 759
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 2 of 4

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>		Analyses Requested								Notes/ Comments:	
Lab: <i>SGS</i>		Surface Sediment											
Address: <i>5500 Business Drive</i>		Proj. No.: <i>120909-01.01</i>											
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>KL/NS</i>											
Phone: <i>910.350.1903</i>		Shipping Method: <i>Overnight</i>											
Fax:		AirBill #:											
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	PCB	Archieve	Dioxin	D/F PCB					
JW-EA10-SS39-1205	5/7/12	10:25	Sed	2	X	X							
JW-EA10-SS43-1205	5/7/12	12:20	Sed	2	X	X							
JW-EA10-SS41-1205	5/7/12	12:44	Sed	2	X	X							
JW-EA10-SS42-1205	5/7/12	09:03	Sed	2	X	X							
JW-EA10-SS40-1205	5/7/12	12:34	Sed	2	X	X							
JW-EA10-SS90-1205	5/7/12	12:34	Sed	1	X								
JW-EA10-COMP-1205	5/7/12	16:14	Sed	1			X						
JW-EA07-SS28-1205	5/7/12	12:00	Sed	1		X							
JW-EA07-SS25-1205	5/7/12	11:44	Sed	1		X							
JW-EA07-SS27-1205	5/7/12	12:14	Sed	1		X							
JW-EA07-SS26-1205	5/7/12	11:50	Sed	1		X							
JW-EA07-COMP-1205	5/7/12	16:33	Sed	1		X	X						<i>JB</i>
JW-EA03-SS12-1205	5/7/12	13:00	Sed	1		X							<i>5/15/12</i>
JW-EA03-SS11-1205	5/7/12	14:00	Sed	1		X							
JW-EA03-COMP-1205	5/7/12	16:53	Sed	1			X						

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Jolie Johnson</i>	Received By:	Received By:		
Printed Name: <i>Jolie Johnson</i>	Printed Name:	Printed Name:		
Company: <i>SGS</i>	Company:	Company:	# of Coolers: <i>2</i>	Cooler <i>3.1</i>
Date/Time: <i>5/9/12 10:15</i>	Date/Time:	Date/Time:	COC Seals Intact? <i>MA</i>	Temp(s): <i>3.20</i>

no leads



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA 48 of 759
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 3 of 4

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>		Analyses Requested							Notes/ Comments:
Lab: <i>SGS</i>		Surface Sediment		Archive for D/F 3 PCB	Archive	D/F 4 PCB	DIOXINS	D/F			
Address: <i>5500 Business Drive</i>		Proj. No.: <i>120909-0101</i>									
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>KLINS</i>									
Phone: <i>910-350-1903</i>		Shipping Method: <i>Overnight</i>									
Fax:		AirBill #:									
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers							
JW-EA03-SS10-1205	5/7/12	13:30	Sed	1	X						
JW-EA03-SS09-1205	5/7/12	13:45	Sed	1		X					
JW-EA02-SS05-1205	5/7/12	15:05	Sed	1		X					
JW-EA02-SS06-1205	5/7/12	14:56	Sed	1		X					
JW-EA02-SS08-1205	5/7/12	14:47	Sed	1		X					
JW-EA02-SS07-1205	5/7/12	14:47	Sed	1		X					
JW-EA02-Comp-1205	5/7/12	17:10	Sed	1			X				
JW-EA04-SS13-1205	5/7/12	12:55	Sed	1		X					
JW-EA04-SS16-1205	5/7/12	12:40	Sed	1		X					
JW-EA04-SS14-1205	5/7/12	12:50	Sed	1		X					
JW-EA04-SS15-1205	5/7/12	12:30	Sed	1		X					
JW-EA04-Comp-1205	5/7/12	17:25	Sed	1			X				
JW-EA01-SS04-1205	5/7/12	15:00	Sed	2		X	X				
JW-EA01-SS01-1205	5/7/12	15:22	Sed	2		X	X	X			
JW-EA01-SS02-1205	5/7/12	15:15	Sed	2		X		X			

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:	# of Coolers:	Cooler <i>3.1</i>
Date/Time:	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:	COC Seals Intact?	Bottles Intact?
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		

No Seals



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

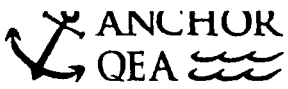
Turnaround Requested:

Anchor Contact:

Page 4 of 4

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>		Analyses Requested							Notes/ Comments:
Lab: <i>SGS</i>		Surface Sediment		Archive	Dioxins	D/F	PCBs	D/F & PCBs			
Address: <i>5500 Business Drive</i>		Proj. No.: <i>120909-01-01</i>									
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>KC/NS</i>									
Phone: <i>910.350.7903</i>		Shipping Method: <i>overnight</i>									
Fax:		AirBill #:									
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers							
<i>JW-EA01-SS03-1205</i>	<i>5/7/12</i>	<i>15:10</i>	<i>Sed</i>	<i>2</i>	<i>X</i>	<i>X</i>					
<i>JW-EA01-SS51-1205</i>	<i>5/7/12</i>	<i>15:22</i>	<i>Sed</i>	<i>1</i>		<i>X</i>					
<i>JW-EA01-COMP-1205</i>	<i>5/7/12</i>	<i>17:39</i>	<i>Sed</i>	<i>1</i>			<i>X</i>				
<i>JW-EA09-SS34-1205</i>	<i>5/7/12</i>	<i>14:11</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS37-1205</i>	<i>5/7/12</i>	<i>13:46</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS35-1205</i>	<i>5/7/12</i>	<i>13:36</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS38-1205</i>	<i>5/7/12</i>	<i>13:50</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS33-1205</i>	<i>5/7/12</i>	<i>13:24</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS36-1205</i>	<i>5/7/12</i>	<i>14:01</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-RB-1205</i>	<i>5/7/12</i>	<i>17:58</i>	<i>Sed</i>	<i>2</i>		<i>X</i>	<i>X</i>				
<i>JW-EA09-COMP-1205</i>	<i>5/7/12</i>	<i>18:03</i>	<i>Sed</i>	<i>1</i>			<i>X</i>	<i>X</i>			
<i>JW-FB-1205</i>	<i>5/7/12</i>	<i>19:00</i>		<i>1</i>			<i>X</i>				

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:	<i>Sample from JW-EA01-COMP-1205</i>	
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Julie Johnson</i>	Received By:	Received By:		
Printed Name: <i>Julie Johnson</i>	Printed Name:	Printed Name:	# of Coolers:	Cooler <i>3, 1, 3, 2</i>
Company: <i>SGS</i>	Company:	Company:	COC Seals Intact? <i>NA</i>	Bottles Intact?
Date/Time: <i>5/4/12 1015</i>	Date/Time:	Date/Time:	<i>No Seals</i>	



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 150 of 759
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact: Nathan Succovsky

Page 1 of 1

Lab Contact: <u>Amy Boehm</u>		Project: <u>Jeld Wen</u>		Analyses Requested							Notes/ Comments:				
Lab: <u>SGS</u>		Surface Sediment		Archive	D/F PCB	PUB/D/F/PAHS									
Address: <u>5500 Business Drive</u>		Proj. No.: <u>120909-01.01</u>									Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers
City, etc.: <u>Wilmington NC 28405</u>		Sampler: <u>NS/KC</u>													
Phone: <u>910-350-1903</u>		Shipping Method: <u>Overnight</u>													
Fax:		AirBill #:													
<u>JW-UR-TISSUE-120508</u>	<u>5/8/12</u>	<u>11:00</u>	<u>TISSUE</u>	<u>3</u>											
<u>JW-DET TISSUE-120508</u>	<u>5/8/12</u>	<u>11:30</u>	<u>TISSUE</u>	<u>2</u>											
<u>JW-UR TISSUE-120508</u>	<u>5/8/12</u>	<u>12:30</u>	<u>TISSUE</u>	<u>5</u>											
<u>JW-EA05-SS19-1205</u>	<u>5/9/12</u>	<u>11:32</u>	<u>Sed</u>	<u>1</u>	<u>X</u>										
<u>JW-EA05-SS20-1205</u>	<u>5/9/12</u>	<u>11:55</u>	<u>Sed</u>	<u>1</u>	<u>X</u>										
<u>JW-EA05-SS18-1205</u>	<u>5/9/12</u>	<u>10:55</u>	<u>Sed</u>	<u>1</u>	<u>X</u>										
<u>JW-EA05-SS17-1205</u>	<u>5/9/12</u>	<u>10:10</u>	<u>Sed</u>	<u>1</u>	<u>X</u>										
<u>JW-EA05-COMP-1205</u>	<u>5/9/12</u>	<u>14:14</u>	<u>Sed</u>	<u>1</u>		<u>X</u>									

@ 11°C
 D/C. Proceed begin

Relinquished: (Signature) <u>C Fields</u>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: <u>Cindy Fields</u>	Printed Name:	Printed Name:		
Company: <u>Anchor QEA</u>	Company:	Company:		
Date/Time: <u>5/10/12 10:37am</u>	Date/Time:	Date/Time:		
Received By: <u>Johanna</u>	Received By:	Received By:		
Printed Name: <u>Johanna</u>	Printed Name:	Printed Name:		
Company: <u>SGS Analytical Business</u>	Company:	Company:	# of Coolers: <u>2</u>	Cooler Temp(s): <u>5°C</u>
Date/Time: <u>5/11/12 1300</u>	Date/Time:	Date/Time:	COC Seals Intact? <u>Yes</u>	Bottles Intact? <u>Yes</u>

NO Seals

31250 (4/359)



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 1 of 2

Lab Contact: Amy Boehm		Project: Jeld Wen Surface Sediment			Analyses Requested						Notes/ Comments:	
Lab: SGS		Proj. No.: 120909-01.01			ARCHIVE D/F & PCB							
Address: 5500 Business Drive		Sampler: NS/KC										
City, etc: Wilmington NC 28405		Shipping Method: Over Night										
Phone: 910 350-1903		AirBill #:										
Fax:												
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-UR-SS47-1205	5/8/12	11:34	Sed	1	X							
JW-UR-SS46-1205	5/8/12	11:26	Sed	1	X							
JW-UR-SS45-1205	5/8/12	11:11	Sed	1	X							
JW-UR-SS44-1205	5/8/12	10:57	Sed	1	X							
JW-UR-COMP-1205	5/8/12	14:12	Sed	1		X						
JW-DR-SS48-1205	5/8/12	10:16	Sed	1	X							
JW-DR-SS49-1205	5/8/12	11:20	Sed	1	X							
JW-DR-SS50-1205	5/8/12	11:40	Sed	1	X							
JW-DR-SS51-1205	5/8/12	11:50	Sed	1	X							
JW-DR-COMP-1205	5/8/12	14:32	Sed	1		X						
JW-RG-SS52-1205	5/8/12	12:05	Sed	1	X							
JW-RG-SS55-1205	5/8/12	12:21	Sed	1	X							
JW-RG-SS53-1205	5/8/12	12:10	Sed	1	X							
JW-RG-SS54-1205	5/8/12	12:22	Sed	1	X							
JW-RG-COMP-1205	5/8/12	17:28	Sed	1		X						

Relinquished: (Signature) <i>C. Fields</i>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: Cindy Fields	Printed Name:	Printed Name:		
Company: Anchor QEA	Company:	Company:		
Date/Time: 5/9/12 11:30am	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:		
Printed Name:	Printed Name:	Printed Name: Amy Boehm	# of Coolers:	Cooler Temp(s): 1.3 °C
Company:	Company:	Company: SGS	COC Seals Intact? n/a	Bottles Intact? P
Date/Time:	Date/Time:	Date/Time: 5/11/12-0915		

1015

326759/50



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 2 of 2

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>			Analyses Requested							Notes/ Comments:	
Lab: <i>SGS</i>		Site: <i>Seaf Surface Sediment</i>			PCB/DIF/PAHs								
Address: <i>5800 Business Drive</i>		Proj. No.: <i>120909-01.01</i>											
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>NS/KC</i>											
Phone: <i>910 350-1903</i>		Shipping Method: <i>Overnight</i>											
Fax:		AirBill #:											
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers									
<i>JW-EA10-Tissue</i>	<i>5/11/12 12:00</i>	<i>12:00</i>	<i>Tissue</i>	<i>3</i>	<i>X</i>	<i>Adapt</i>							
<i>JW-EA01-Tissue</i>	<i>5/11/12 12:00</i>	<i>12:00</i>	<i>Tissue</i>	<i>5</i>	<i>X</i>	<i>Recon No. 100</i>							

Relinquished: (Signature) <i>C Fields</i>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes
Printed Name: <i>Cindy Fields</i>	Printed Name:	Printed Name:	
Company: <i>Anchor QEA</i>	Company:	Company:	
Date/Time: <i>5/9/12 11:30am</i>	Date/Time:	Date/Time:	
Received By:	Received By:	Received By: <i>[Signature]</i>	# of Coolers: <i>1</i> Cooler Temp(s): <i>1.3°C</i>
Printed Name:	Printed Name:	Printed Name: <i>Amy Boehm</i>	
Company:	Company:	Company: <i>SGS</i>	
Date/Time:	Date/Time:	Date/Time: <i>5/11/12 10:15</i>	
			COC Seals Intact? <i>2/4</i> Bottles Intact? <i>4</i>

Analytical Perspectives — Run Log


Project: A4371_9893_PCB

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	120705S01	15	CS3_120705_PCB_SA	1.00	M1668-RETCON S40-51	LKB	721-881	05-Jul-2012	11:33:26
2	120705S02	29	OPR1_9893_PCB-RJ	1.00	OPR #73533	LKB	660-384	05-Jul-2012	12:41:45
3	120705S03	3	SBS_120705_PCB_SA	1.00	SIL9-41-1	LKB	369-353	05-Jul-2012	13:34:47
4	120705S04	30 ✓	MB1_9893_PCB_SDS-RJ	1.00	MB #73532	LKB	223-346	05-Jul-2012	14:38:04
5	120705S05	31	A4371_9893_PCB_001-RJ	7.19	JW-EA58-COMP-120507	LKB	716-834	05-Jul-2012	15:31:06
6	120705S06	32	A4371_9893_PCB_002-RJ	8.15	JW-EA08-COMP-120507	LKB	113-638	05-Jul-2012	16:26:10
7	120705S07	33	A4371_9893_PCB_003-RJ	9.38	JW-EA06-COMP-120507	LKB	031-742	05-Jul-2012	17:21:14
8	120705S08	34 ✓	A4371_9893_PCB_004-RJ	6.91	JW-EA03-COMP-120507	LKB	364-195	05-Jul-2012	18:16:17
9	120705S09	3	SBS_120705_PCB_SB	1.00	SIL9-41-1	LKB	502-351	05-Jul-2012	19:11:21
10	120705S10	15	CS3_120705_PCB_SB	1.00	M1668-RETCON S40-51	LKB	109-887	05-Jul-2012	20:06:24
11	120705S11	35	A4371_9893_PCB_005-RJ	6.59	JW-EA02-COMP-120507	LKB	818-121	05-Jul-2012	21:14:20
12	120705S12	36	A4371_9893_PCB_006-RJ	9.53	JW-EA04-COMP-120507	LKB	275-977	05-Jul-2012	22:07:24
13	120705S13	37	A4371_9893_PCB_007-RJ	9.48	JW-EA09-COMP-120507	LKB	746-448	05-Jul-2012	23:02:26
14	120705S14	38 ✓	A4371_9893_PCB_008-RJ	10.35	JW-UR-COMP-120508	LKB	296-129	05-Jul-2012	23:57:26
15	120705S15	39	A4371_9893_PCB_009-RJ	7.69	JW-DR-COMP-120508	LKB	696-554	06-Jul-2012	00:52:32
16	120705S16	40	A4371_9893_PCB_010-RJ	9.31	JW-RG-COMP-120508	LKB	182-994	06-Jul-2012	01:47:39

 = manual calculation
REVIEWED*By Laura Boivin at 4:37 pm, Jul 09, 2012***REVIEWED***By Todd Vilen at 12:51 pm, Jul 11, 2012*

Lab ID: MB1_9893_PCB_SDS-RJ

ACQ: 05-Jul-2012 14:38:04 LKB Wt/Vol: 5.00 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120705_PCB_SA

Client ID: MB #73532

UTP: 09-Jul-2012 14:49 LKB

J-level: 2 pg/g Split: 1

Checkcode: 223-346-WHS

Datafile: 120705S04

RPT: 09-Jul-2012 15:01 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.22	ND	9.38E+02	0.234
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	9.38E+02	0.217
PCB-105 233'44'-PeCB	32.21	J EMPC	1.0007	1.0007	0	1.64E+04	0.81	1.03	0.611	6.13E+02	0.234
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.10	ND	6.13E+02	0.223
PCB-118 23'44'5'-PeCB	31.24	J	1.0008	1.0007	-0.2	4.61E+04	0.57	1.03	1.69	6.13E+02	0.226
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		0.93	ND	6.13E+02	0.251
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	7.13E+02	0.23
PCB-156/157 ...-HxCB	NotFnd	C	1.0005	-		0.00E+00		1.05	ND	5.26E+02	0.279
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	5.26E+02	0.204
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	5.26E+02	0.309
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	6.08E+02	0.194
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	4.12E+02	0.334
ES PCB-1	9.85		0.7181	0.7177	-0.2	1.06E+07	3.38	1.01	50.2 %	4%	100%
ES PCB-3	11.79		0.8583	0.8585	+0.1	1.05E+07	3.27	1.05	47.7 %	11%	106%
ES PCB-4	11.99		0.8732	0.8731	-0.1	6.42E+06	1.61	0.70	43.9 %	14%	107%
ES PCB-15	17.10		1.2453	1.2456	+0.3	1.52E+07	1.64	1.17	61.8 %	19%	107%
ES PCB-19	14.68		1.0698	1.0696	-0.2	6.79E+06	0.99	0.57	57.1 %	1%	108%
ES PCB-37	23.08		1.0865	1.0869	+0.6	1.19E+07	1.08	1.41	80.3 %	25%	123%
ES PCB-54	17.32		0.8157	0.8158	+0.1	8.26E+06	0.79	1.32	59.3 %	13%	105%
ES PCB-77	29.26		1.3777	1.3779	+0.4	1.36E+07	0.82	1.22	106 %	31%	109%
ES PCB-81	28.79		1.3557	1.3558	+0.2	1.36E+07	0.81	1.15	112 %	14%	127%
ES PCB-104	22.03		0.8147	0.8149	+0.3	7.39E+06	1.59	1.69	46.6 %	36%	115%
ES PCB-105	32.19		1.1906	1.1907	+0.2	1.05E+07	1.63	1.21	92.2 %	50%	111%
ES PCB-114	31.66		1.1709	1.1710	+0.2	1.00E+07	1.69	1.23	86.6 %	41%	121%
ES PCB-118	31.22		1.1547	1.1547	0	1.06E+07	1.60	1.25	90.2 %	49%	111%
ES PCB-123	30.94		1.1444	1.1445	+0.2	1.07E+07	1.67	1.33	85.4 %	49%	116%
ES PCB-126	34.81		1.2871	1.2873	+0.4	1.23E+07	1.56	1.36	96.2 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.86		0.7939	0.7939	0	9.49E+06	1.26	1.40	85.9 %	25%	124%
ES PCB-156/157	37.34		1.1035	1.1036	+0.2	1.97E+07	1.26	1.13	110 %	40%	120%
ES PCB-167	36.38		1.0753	1.0753	0	9.72E+06	1.31	1.13	109 %	45%	118%
ES PCB-169	40.07		1.1842	1.1843	+0.2	7.18E+06	1.23	1.14	79.8 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.67		0.7204	0.7203	-0.2	7.38E+06	1.08	1.34	69.9 %	23%	125%
ES PCB-189	42.20		0.9598	0.9598	0	1.18E+07	1.08	1.77	97.5 %	47%	116%
ES PCB-202	36.18		0.8230	0.8229	-0.2	8.02E+06	0.93	1.27	80.1 %	31%	134%
ES PCB-205	44.36		1.0090	1.0090	0	9.33E+06	0.88	1.25	109 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.83		1.0424	1.0424	0	6.74E+06	0.78	1.07	92.6 %	38%	122%
ES PCB-208	41.80		0.9508	0.9507	-0.3	8.38E+06	0.78	1.34	91.8 %	31%	126%
ES PCB-209	47.19		1.0732	1.0733	+0.3	7.57E+06	1.22	1.18	93.7 %	43%	115%
CS/SS PCB-28	19.69		0.9269	0.9271	+0.2	1.41E+07	1.10	0.98	120 %	14%	131%
CS/SS PCB-111	29.32	V	1.0843	1.0843	0	1.15E+07	1.68	0.90	120 %	57%	112%
CS/SS PCB-178	34.23		1.0118	1.0117	-0.2	5.47E+06	1.08	0.65	115 %	57%	125%
CS PCB-28	19.69		0.9269	0.9271	+0.2	1.41E+07	1.10	1.39	96.7 %	14%	131%
CS PCB-111	29.32		1.0843	1.0843	0	1.15E+07	1.68	1.19	103 %	57%	112%
CS PCB-178	34.23		1.0118	1.0117	-0.2	5.47E+06	1.08	0.87	80.1 %	57%	125%
JS PCB-9	13.73					2.10E+07	1.62				
JS PCB-52	21.23					1.05E+07	0.79				
JS PCB-101	27.04					9.40E+06	1.62				
JS PCB-138	33.83					7.87E+06	1.32				
JS PCB-194	43.97					6.82E+06	0.89				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	0.517	0.517	0.309		
						Di-CBs	23.5	23.5	4.01		
						Tri-CBs	8.25	8.25	0.485		
						Tetra-CBs	9.44	9.83	0.229		
						Penta-CBs	10.7	12.5	0.253		
						Hexa-CBs	10.2	11.1	0.257		
						Hepta-CBs	0	0	0.333		
						Octa-CBs	0	0	0.3		
						Nona-CBs	0	0	0.389		
PCB-1 2-MoCB	9.86	J	1.0011	1.0010	-0.1	1.65E+04	2.84	1.20	0.517	1.68E+03	0.257
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00		1.25	ND	1.68E+03	0.325
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00		1.13	ND	1.68E+03	0.36
PCB-4 22'-DiCB	NotFnd		1.0012	-		0.00E+00		0.94	ND	1.34E+04	5.44
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.65	ND	1.34E+04	3.11
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.92	ND	1.16E+04	2.81
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.04	ND	1.16E+04	2.49
PCB-6 23'-DiCB	NotFnd		1.0261	-		0.00E+00		1.01	ND	1.16E+04	2.58
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.99	ND	1.16E+04	2.63
PCB-8 24'-DiCB	14.47	J	1.0533	1.0536	+0.3	5.68E+04	SI	1.03	1.45	4.03E+03	0.871
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.15	ND	1.16E+04	2.26
PCB-11 33'-DiCB	16.59		0.9701	0.9701	0	7.98E+05	1.35	0.95	22	1.16E+04	2.72
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00		0.98	ND	1.16E+04	2.66
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00		1.01	ND	1.16E+04	2.58

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00	1.01		ND	1.19E+03	0.491
PCB-30/18 246/22'5-TrCB	16.32	J C	1.1110	1.1115	+0.5	3.91E+04	1.11	1.24	1.85	1.19E+03	0.399
PCB-17 22'4-TrCB	16.67	J	1.1357	1.1352	-0.5	1.93E+04	1.12	1.05	1.09	1.19E+03	0.473
PCB-27 23'6-TrCB	NotFnd		1.1479	-		0.00E+00		1.39	ND	1.19E+03	0.356
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.33	ND	1.19E+03	0.373
PCB-16 22'3-TrCB	NotFnd		1.1612	-		0.00E+00		0.83	ND	1.19E+03	0.595
PCB-32 24'6-TrCB	NotFnd		1.1923	-		0.00E+00		1.50	ND	1.19E+03	0.331
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.36	ND	1.72E+03	0.421
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	1.72E+03	0.402
PCB-26/29 23'5/245-TrCB	18.99	J C	0.8236	0.8229	-0.8	2.64E+04	0.96	1.42	0.623	1.72E+03	0.405
PCB-25 23'4-TrCB	NotFnd		0.8315	-		0.00E+00		1.42	ND	1.72E+03	0.402
PCB-31 24'5-TrCB	19.46	J	0.8430	0.8430	0	5.92E+04	1.19	1.48	1.34	1.72E+03	0.388
PCB-28/20 244'/233'-TrCB	19.70	J C	0.8542	0.8536	-0.7	6.65E+04	1.09	1.41	1.58	1.72E+03	0.406
PCB-21/33 234/23'4'-TrCB	19.90	J C	0.8612	0.8621	+1.1	2.98E+04	1.07	1.43	0.696	1.72E+03	0.4
PCB-22 234'-TrCB	20.23	J	0.8766	0.8766	0	2.16E+04	1.13	1.34	0.542	1.72E+03	0.429
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.39	ND	1.72E+03	0.413
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.44	ND	1.72E+03	0.399
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	1.72E+03	0.448
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00		1.28	ND	1.72E+03	0.45
PCB-37 344'-TrCB	23.09	J	1.0008	1.0005	-0.4	1.93E+04	1.12	1.20	0.538	1.72E+03	0.478
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	5.85E+02	0.236
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9051	-		0.00E+00		0.80	ND	6.12E+02	0.22
PCB-45 22'36-TeCB	NotFnd		0.9304	-		0.00E+00		0.68	ND	6.12E+02	0.258
PCB-51 22'46'-TeCB	NotFnd		0.9340	-		0.00E+00		0.81	ND	6.12E+02	0.218
PCB-46 22'36'-TeCB	NotFnd		0.9429	-		0.00E+00		0.66	ND	6.12E+02	0.268
PCB-52 22'55'-TeCB	21.26		1.0010	1.0010	0	7.69E+04	0.79	0.73	3.08	6.12E+02	0.24
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.97	ND	6.12E+02	0.182
PCB-43 22'35-TeCB	NotFnd		1.0106	-		0.00E+00		0.67	ND	6.12E+02	0.264
PCB-69/49 23'46/22'45'-TeCB	21.67	J C	1.0198	1.0205	+0.9	3.28E+04	0.82	0.90	1.07	6.12E+02	0.195
PCB-48 22'45-TeCB	NotFnd		1.0319	-		0.00E+00		0.74	ND	6.12E+02	0.237
PCB-44/47/65 ...-TeCB	22.10	J C	1.0416	1.0408	-1.1	4.60E+04	0.78	0.80	1.69	6.12E+02	0.219
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0541	-		0.00E+00		1.01	ND	6.12E+02	0.174
PCB-42 22'34'-TeCB	NotFnd		1.0612	-		0.00E+00		0.71	ND	6.12E+02	0.249
PCB-41 22'34-TeCB	NotFnd		1.0759	-		0.00E+00		0.62	ND	6.12E+02	0.284
PCB-71/40 23'4'6/22'33'-TeCB	22.96	J C	1.0806	1.0813	+1.0	1.17E+04	0.89	0.77	0.448	6.12E+02	0.23
PCB-64 234'6-TeCB	23.14	J EMPC	1.0899	1.0898	-0.1	1.41E+04	1.03	1.07	0.388	6.12E+02	0.164
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00		1.28	ND	9.38E+02	0.211
PCB-68 23'45'-TeCB	NotFnd		0.8379	-		0.00E+00		1.33	ND	9.38E+02	0.203
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.20	ND	9.38E+02	0.225
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.20	ND	9.38E+02	0.226
PCB-67 23'45-TeCB	NotFnd		0.8620	-		0.00E+00		1.23	ND	9.38E+02	0.22
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00		1.32	ND	9.38E+02	0.205
PCB-61/70/74/76 ...-TeCB	25.32	J C	0.8792	0.8794	+0.3	8.29E+04	0.72	1.23	1.98	9.38E+02	0.219
PCB-66 23'44'-TeCB	25.59	J	0.8888	0.8889	+0.2	4.57E+04	0.77	1.16	1.17	9.38E+02	0.233
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.17	ND	9.38E+02	0.23

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9080	-		0.00E+00		1.15	ND	9.38E+02	0.235
PCB-60 2344'-TeCB	NotFnd		0.9144	-		0.00E+00		1.21	ND	9.38E+02	0.223
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.34	ND	9.38E+02	0.201
PCB-79 33'45'-TeCB	NotFnd		0.9718	-		0.00E+00		1.26	ND	9.38E+02	0.215
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.04	ND	9.38E+02	0.26
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	6.66E+02	0.354
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.93	ND	6.66E+02	0.348
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.86	ND	6.13E+02	0.269
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.76	ND	6.13E+02	0.307
PCB-95 22'35'6'-PeCB	24.56		0.9082	0.9085	+0.4	5.88E+04	0.63	0.83	2.67	6.13E+02	0.28
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.83	ND	6.13E+02	0.28
PCB-102 22'456'-PeCB	NotFnd		0.9198	-		0.00E+00		0.98	ND	6.13E+02	0.238
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.72	ND	6.13E+02	0.323
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.74	ND	6.13E+02	0.315
PCB-91 22'34'6'-PeCB	NotFnd		0.9352	-		0.00E+00		0.90	ND	6.13E+02	0.257
PCB-84 22'33'6'-PeCB	NotFnd		0.9416	-		0.00E+00		0.71	ND	6.13E+02	0.329
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.74	ND	6.13E+02	0.314
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.07	ND	6.13E+02	0.218
PCB-92 22'355'-PeCB	NotFnd		0.9825	-		0.00E+00		0.74	ND	6.13E+02	0.312
PCB-113/90/101 ...-PeCB	27.06	J C	0.9999	1.0009	+1.6	6.34E+04	0.60	0.88	2.72	6.13E+02	0.265
PCB-83 22'33'5'-PeCB	NotFnd		1.0150	-		0.00E+00		0.64	ND	6.13E+02	0.36
PCB-99 22'44'5'-PeCB	27.55	J	1.0190	1.0190	0	2.38E+04	0.54	0.78	1.15	6.13E+02	0.297
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	6.13E+02	0.224
PCB-108/119/86/97/125...-PeCB	28.01	J EMPC C	1.0347	1.0359	+2.0	2.88E+04	0.78	0.90	1.2	6.13E+02	0.258
PCB-117 234'56'-PeCB	NotFnd		1.0539	-		0.00E+00		0.71	ND	6.13E+02	0.325
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0566	-		0.00E+00		1.00	ND	6.13E+02	0.232
PCB-110 233'4'6'-PeCB	28.70		1.0615	1.0614	-0.2	6.51E+04	0.62	0.99	2.46	6.13E+02	0.234
PCB-115 2344'6'-PeCB	NotFnd		1.0644	-		0.00E+00		1.00	ND	6.13E+02	0.231
PCB-82 22'33'4'-PeCB	NotFnd		1.0711	-		0.00E+00		0.65	ND	6.13E+02	0.359
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.04	ND	6.13E+02	0.224
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.04	ND	6.13E+02	0.223
PCB-107/124 ...-PeCB	NotFnd	C	0.9909	-		0.00E+00		0.96	ND	6.13E+02	0.242
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		0.98	ND	6.13E+02	0.237
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.94	ND	6.13E+02	0.248
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.97	ND	6.13E+02	0.253
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.94	ND	6.13E+02	0.255
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	6.00E+02	0.234
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	6.00E+02	0.249
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.02	ND	6.00E+02	0.242
PCB-136 22'33'66'-HxCB	NotFnd		1.0216	-		0.00E+00		0.92	ND	6.00E+02	0.268
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	6.00E+02	0.26
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.72	ND	6.00E+02	0.343
PCB-151/135 ...-HxCB	29.50	J C	1.0986	1.0984	-0.4	2.41E+04	1.08	0.70	1.45	6.00E+02	0.354
PCB-154 22'44'56'-HxCB	NotFnd		1.1067	-		0.00E+00		0.78	ND	6.00E+02	0.317
PCB-144 22'345'6'-HxCB	NotFnd		1.1158	-		0.00E+00		0.70	ND	6.00E+02	0.354

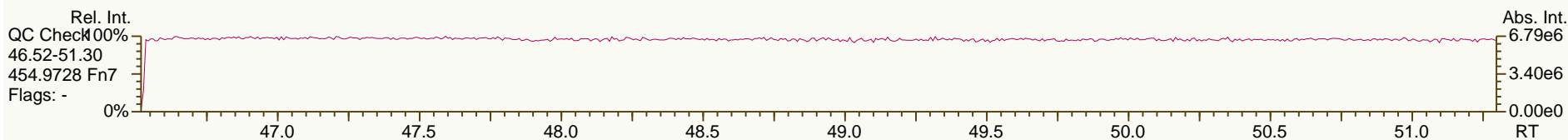
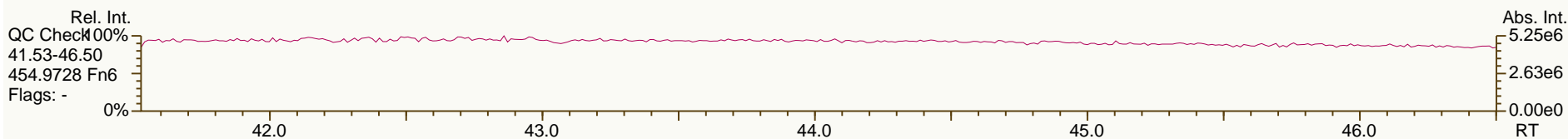
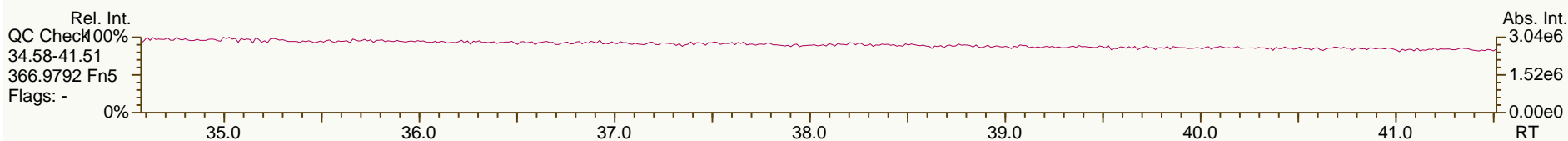
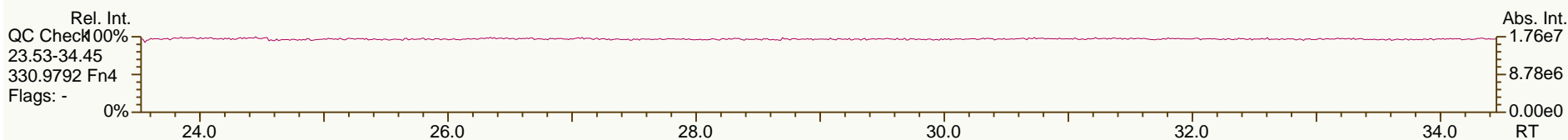
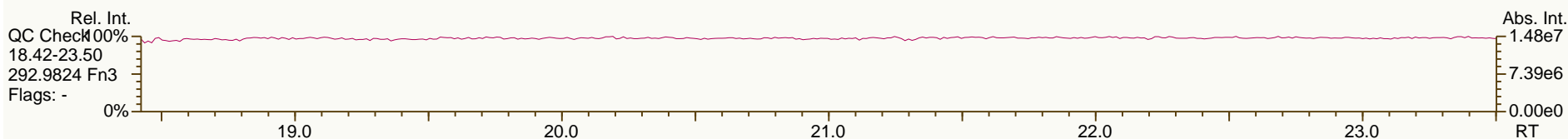
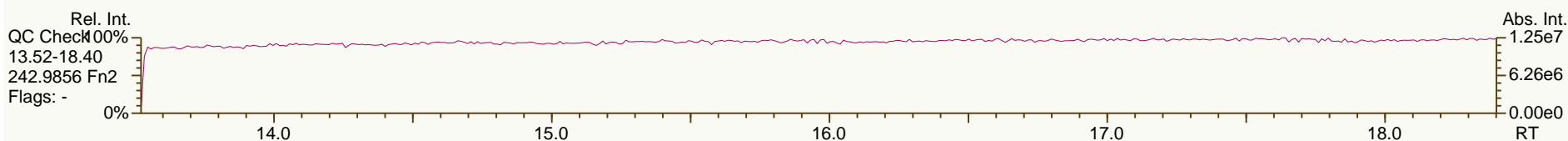
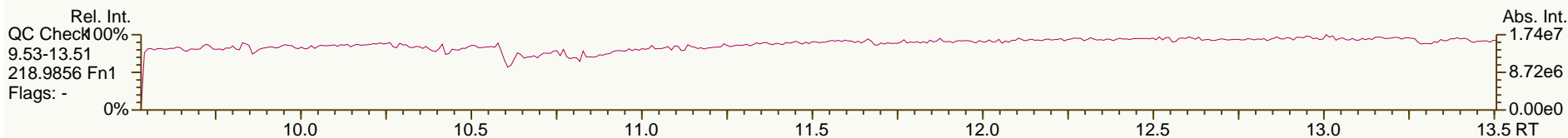
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.27	J C	1.1269	1.1268	-0.2	5.45E+04	1.30	0.72	3.2	6.00E+02	0.345
PCB-134 22'33'56"-HxCB	NotFnd		1.1326	-		0.00E+00		0.59	ND	6.00E+02	0.423
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00		0.66	ND	6.00E+02	0.373
PCB-139/140 ...-HxCB	NotFnd	C	1.1458	-		0.00E+00		0.73	ND	6.00E+02	0.338
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00		0.61	ND	6.00E+02	0.406
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.62	ND	6.00E+02	0.4
PCB-132 22'33'46"-HxCB	31.31	J EMPC	1.1655	1.1656	+0.2	1.31E+04	1.59	0.64	0.866	6.00E+02	0.387
PCB-133 22'33'55"-HxCB	NotFnd		1.1826	-		0.00E+00		0.64	ND	6.00E+02	0.386
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.79	ND	6.00E+02	0.315
PCB-146 22'34'55"-HxCB	NotFnd		0.9550	-		0.00E+00		0.68	ND	6.00E+02	0.366
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.88	ND	6.00E+02	0.282
PCB-153/168 ...-HxCB	32.82	J C	0.9709	0.9701	-1.6	5.44E+04	1.38	0.89	2.58	6.00E+02	0.278
PCB-141 22'34'55"-HxCB	NotFnd		0.9746	-		0.00E+00		0.65	ND	6.00E+02	0.381
PCB-130 22'33'45"-HxCB	NotFnd		0.9847	-		0.00E+00		0.58	ND	6.00E+02	0.426
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9904	-		0.00E+00		0.66	ND	6.00E+02	0.375
PCB-164 233'4'5'6"-HxCB	NotFnd		0.9930	-		0.00E+00		0.89	ND	6.00E+02	0.279
PCB-163/138/129 ...-HxCB	33.86	J C	1.0012	1.0007	-1.0	5.03E+04	1.38	0.72	2.96	6.00E+02	0.346
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.86	ND	6.00E+02	0.289
PCB-158 233'44'6"-HxCB	NotFnd		1.0106	-		0.00E+00		0.93	ND	6.00E+02	0.265
PCB-128/166 ...-HxCB	NotFnd	C	0.9593	-		0.00E+00		0.99	ND	5.26E+02	0.223
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.05	ND	5.26E+02	0.209
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.12	ND	5.26E+02	0.197
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	6.90E+02	0.344
PCB-179 22'33'566"-HpCB	NotFnd		1.0089	-		0.00E+00		1.04	ND	6.90E+02	0.354
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.00	ND	6.90E+02	0.365
PCB-176 22'33'466"-HpCB	NotFnd		1.0324	-		0.00E+00		1.11	ND	6.90E+02	0.329
PCB-186 22'34'566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.05	ND	6.90E+02	0.35
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0816	-		0.00E+00		0.80	ND	6.90E+02	0.457
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00		0.97	ND	7.00E+02	0.385
PCB-187 22'34'55'6"-HpCB	NotFnd		1.1057	-		0.00E+00		1.03	ND	7.00E+02	0.361
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1112	-		0.00E+00		1.02	ND	7.00E+02	0.363
PCB-183 22'34'4'5'6"-HpCB	NotFnd		1.1219	-		0.00E+00		1.08	ND	7.00E+02	0.346
PCB-185 22'34'55'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.93	ND	7.00E+02	0.399
PCB-174 22'33'456"-HpCB	NotFnd		1.1276	-		0.00E+00		0.84	ND	7.00E+02	0.44
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1393	-		0.00E+00		0.83	ND	7.00E+02	0.445
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.94	ND	7.00E+02	0.395
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00		0.84	ND	7.00E+02	0.441
PCB-172 22'33'455"-HpCB	NotFnd		0.9003	-		0.00E+00		0.61	ND	7.00E+02	0.408
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.79	ND	7.00E+02	0.313
PCB-180/193 ...-HpCB	NotFnd	C	0.9127	-		0.00E+00		0.84	ND	7.00E+02	0.295
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00		0.80	ND	7.00E+02	0.31
PCB-170 22'33'44'5"-HpCB	NotFnd		0.9380	-		0.00E+00		0.70	ND	7.00E+02	0.356
PCB-190 233'44'56"-HpCB	NotFnd		0.9486	-		0.00E+00		0.78	ND	7.00E+02	0.317
PCB-202 22'33'55'66"-OoCB	NotFnd		1.0006	-		0.00E+00		0.83	ND	5.48E+02	0.375
PCB-201 22'33'45'66"-OoCB	NotFnd		1.0221	-		0.00E+00		0.99	ND	5.48E+02	0.314

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.92	ND	5.48E+02	0.336
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		1.07	ND	5.48E+02	0.289
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.86	ND	5.48E+02	0.362
PCB-198/199 ...-OcCB	NotFnd	C	1.1102	-		0.00E+00		0.69	ND	5.48E+02	0.446
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1260	-		0.00E+00		0.70	ND	5.48E+02	0.442
PCB-203 22'344'55'6-OcCB	NotFnd		1.1306	-		0.00E+00		0.77	ND	5.48E+02	0.405
PCB-195 22'33'44'56-OcCB	NotFnd		0.9469	-		0.00E+00		0.67	ND	5.02E+02	0.366
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9915	-		0.00E+00		0.74	ND	5.02E+02	0.33
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	5.02E+02	0.224
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.98	ND	5.59E+02	0.364
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		1.01	ND	5.59E+02	0.35
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.93	ND	5.59E+02	0.414

AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

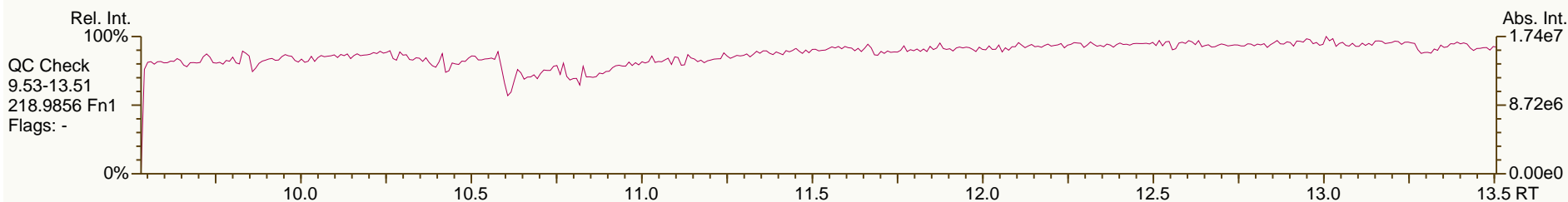
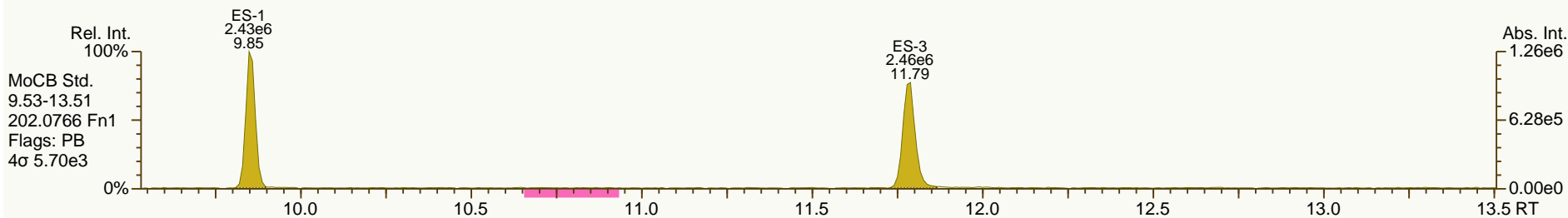
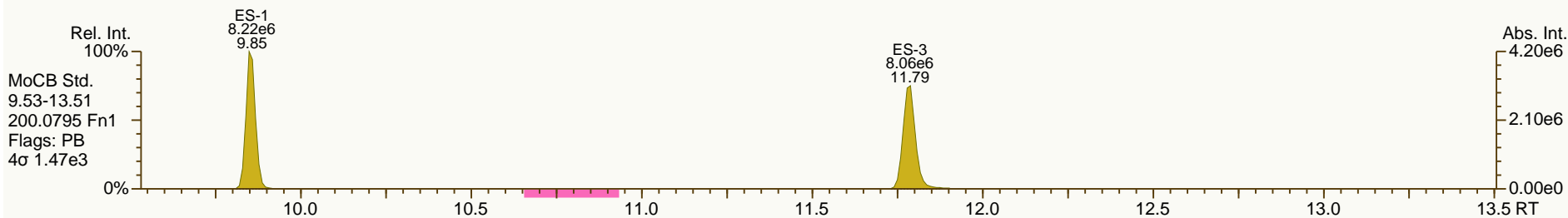
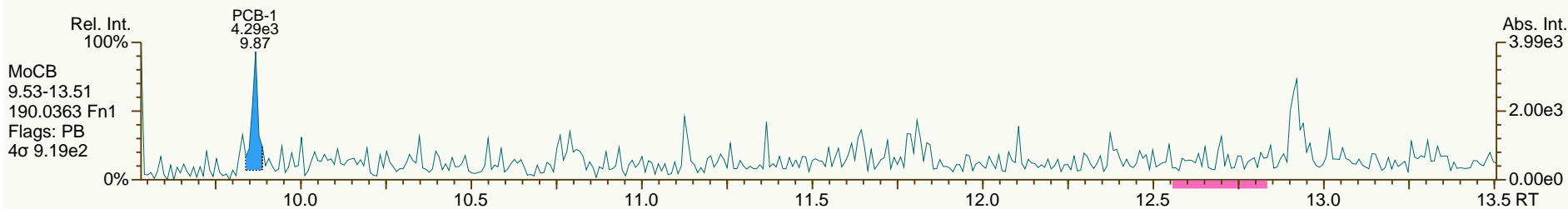
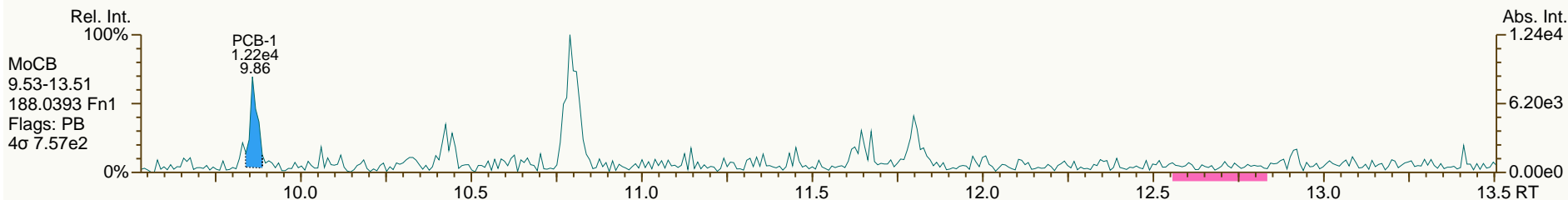
Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

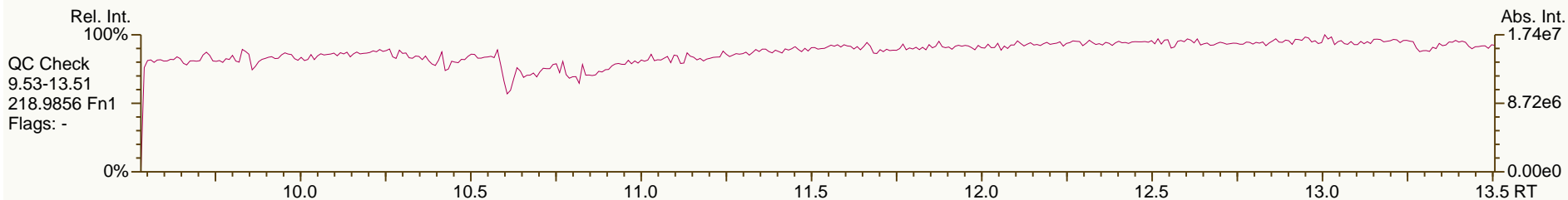
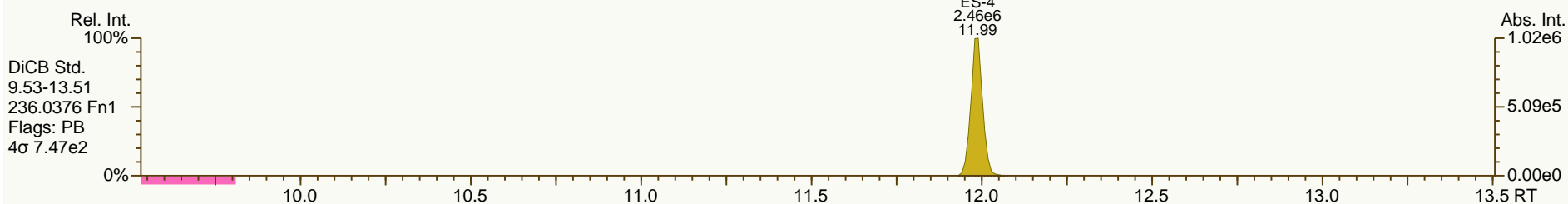
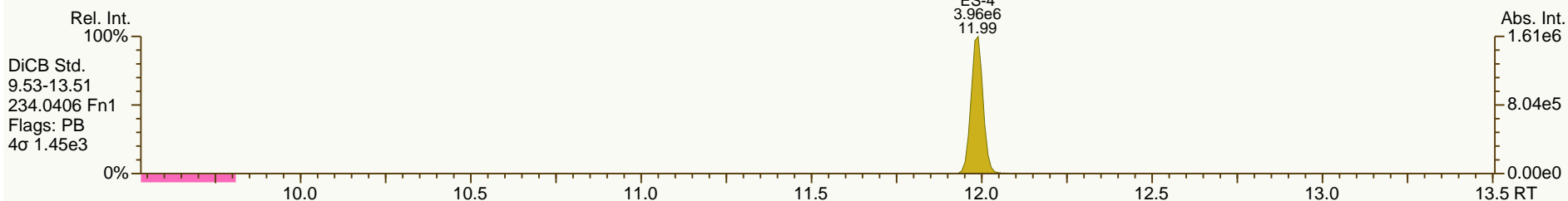
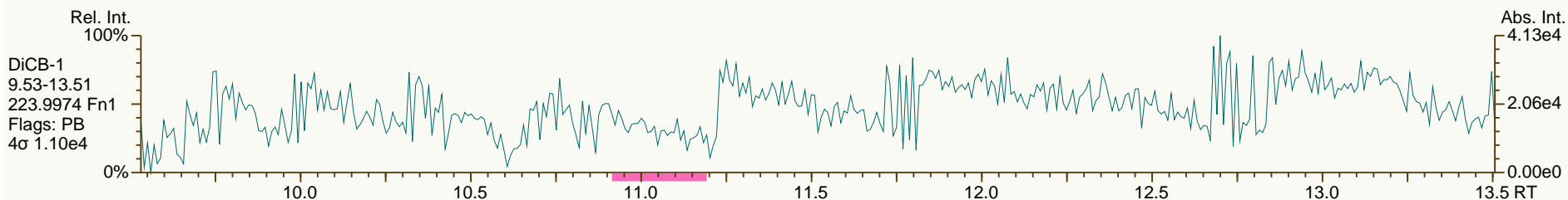
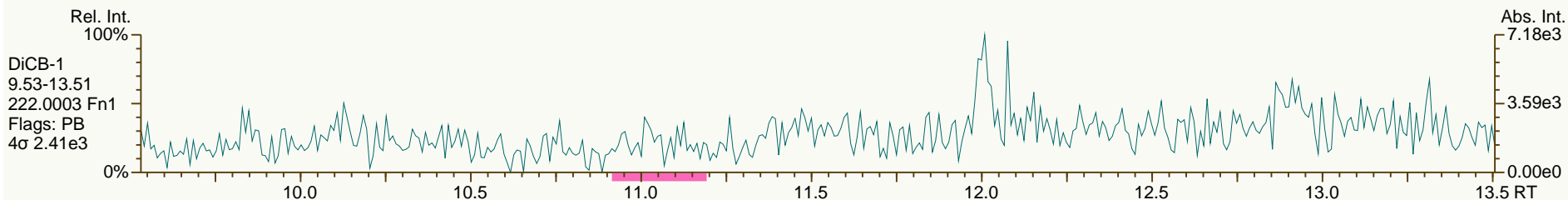
Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

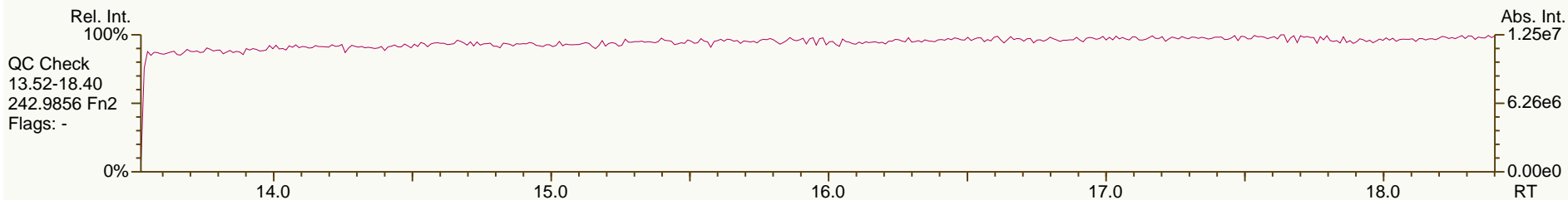
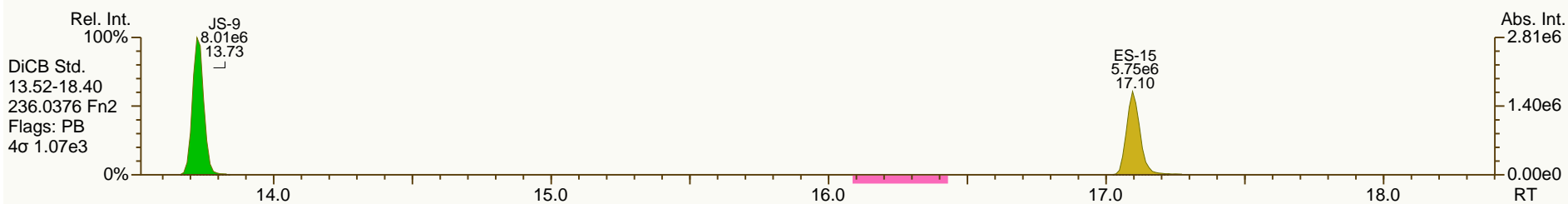
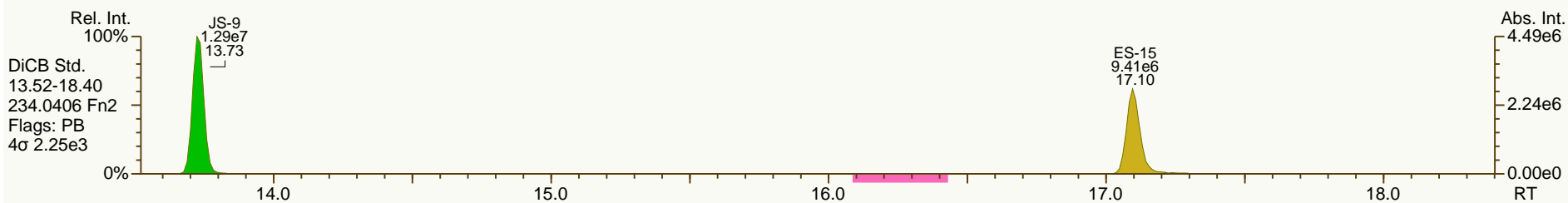
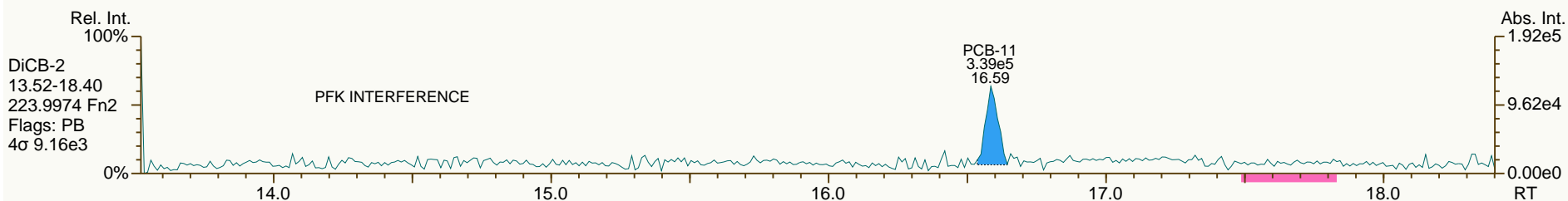
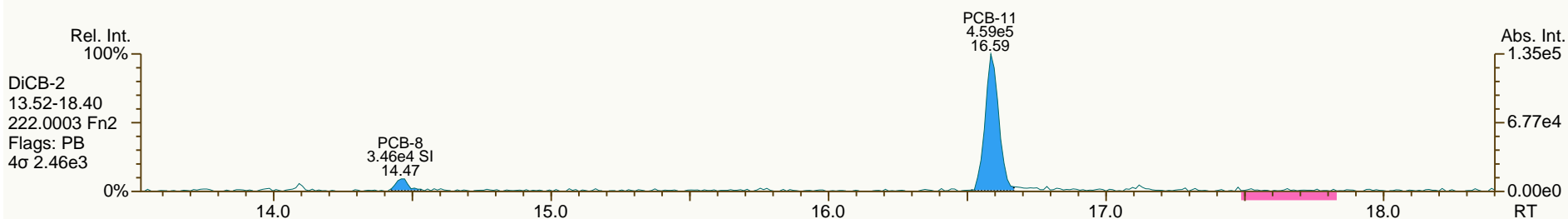
Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

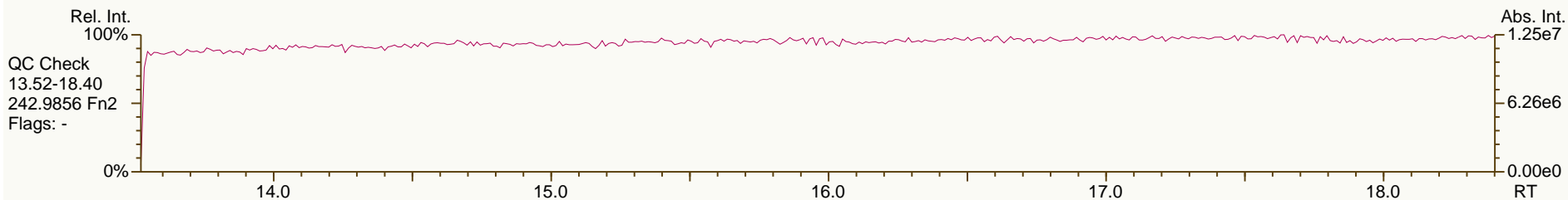
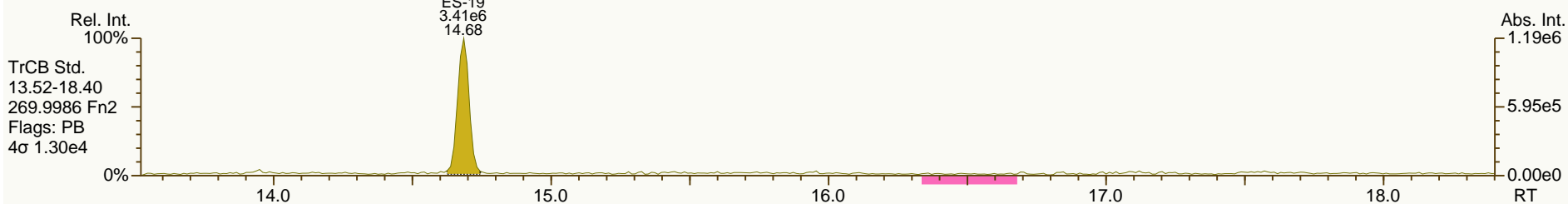
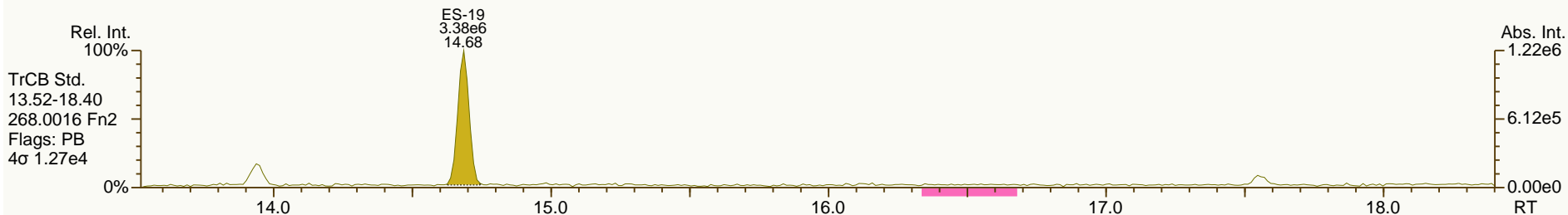
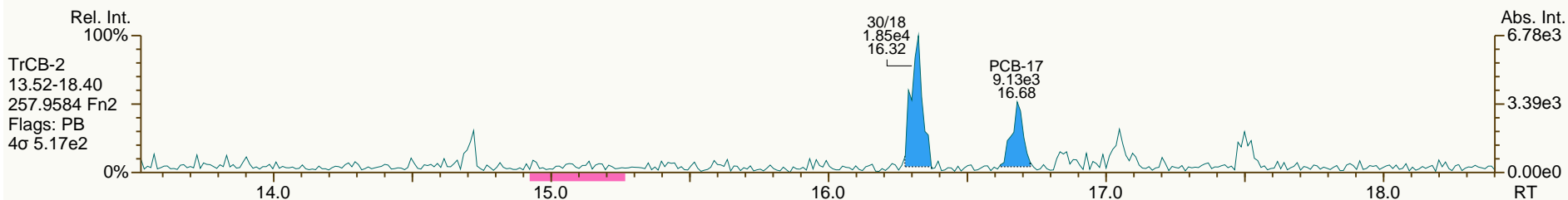
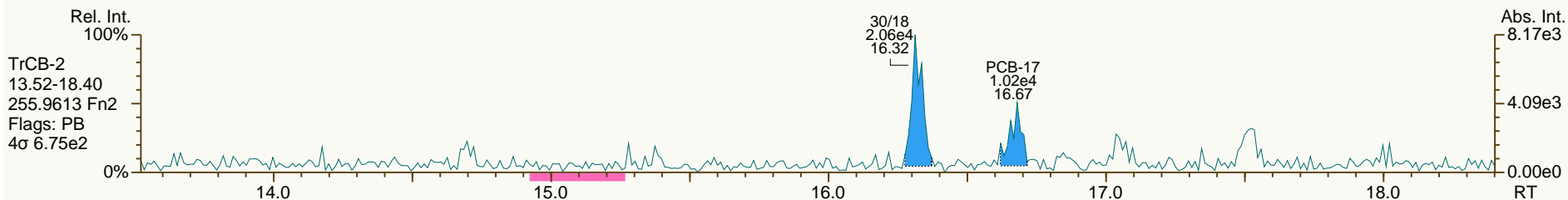
Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

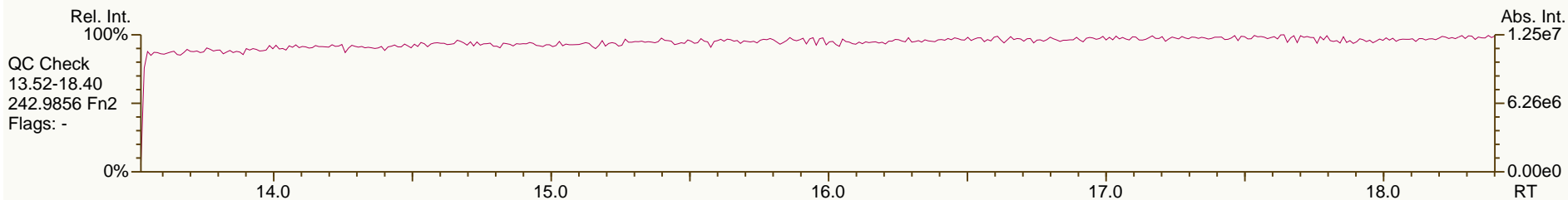
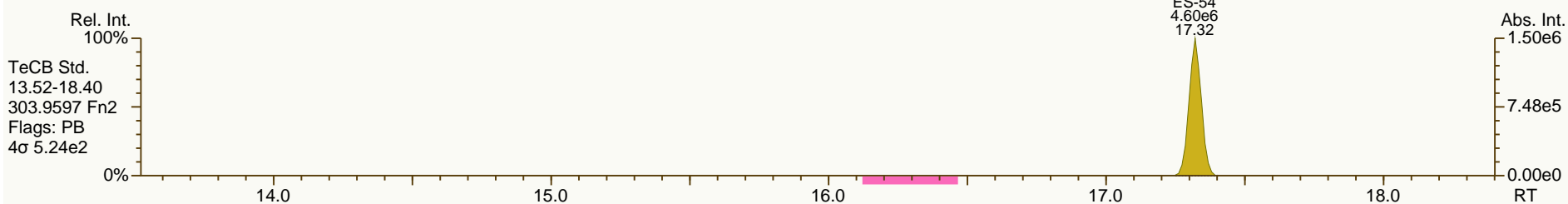
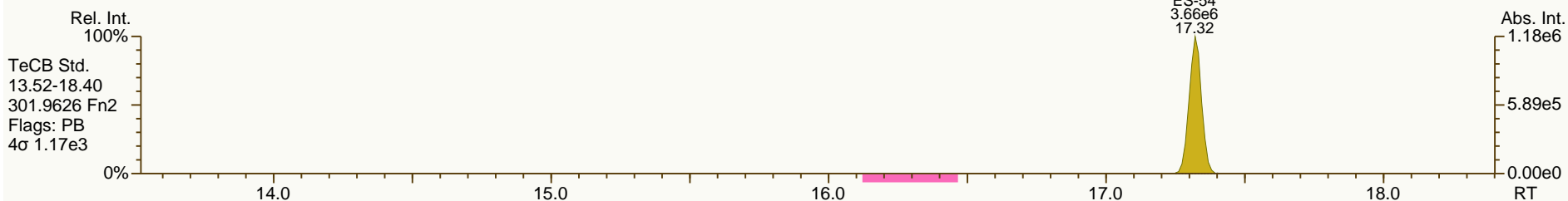
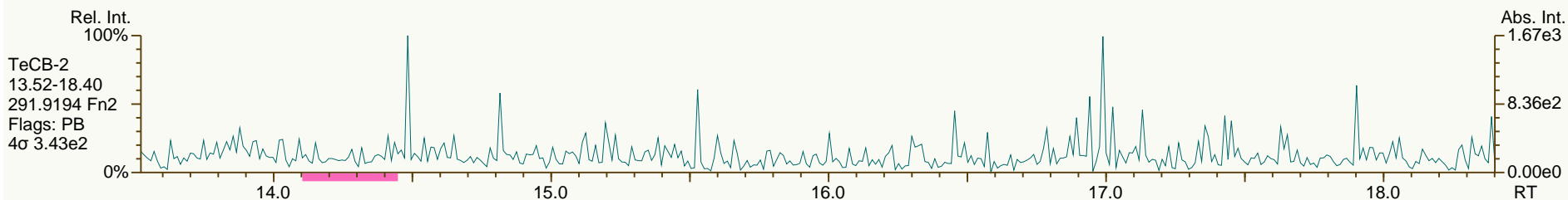
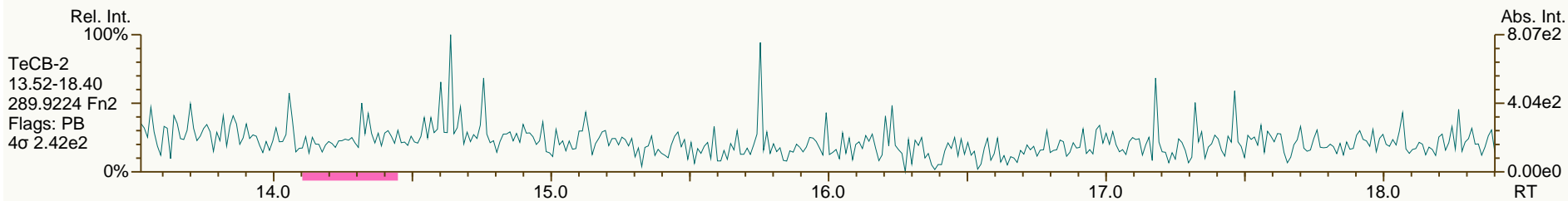
Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

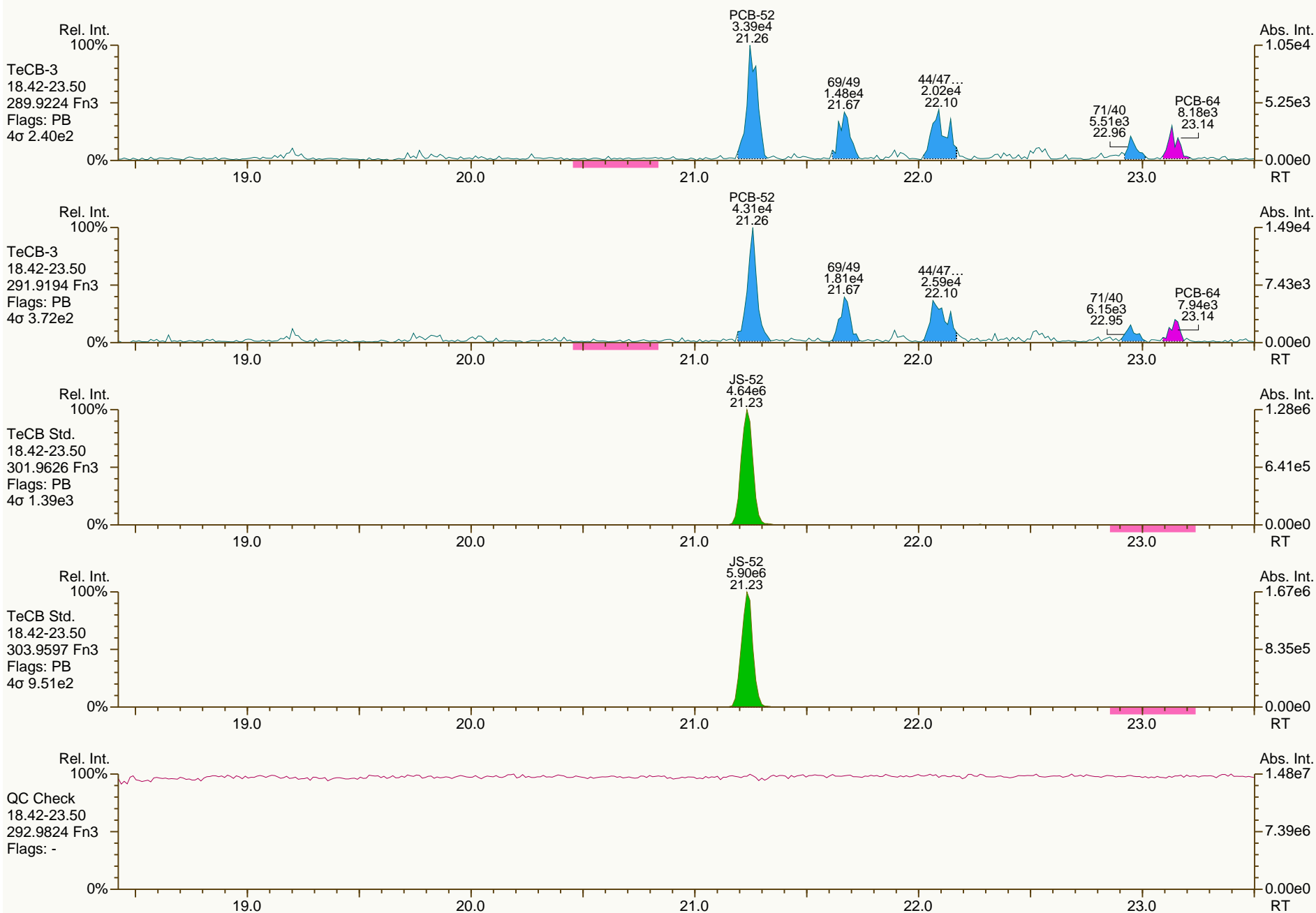
Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

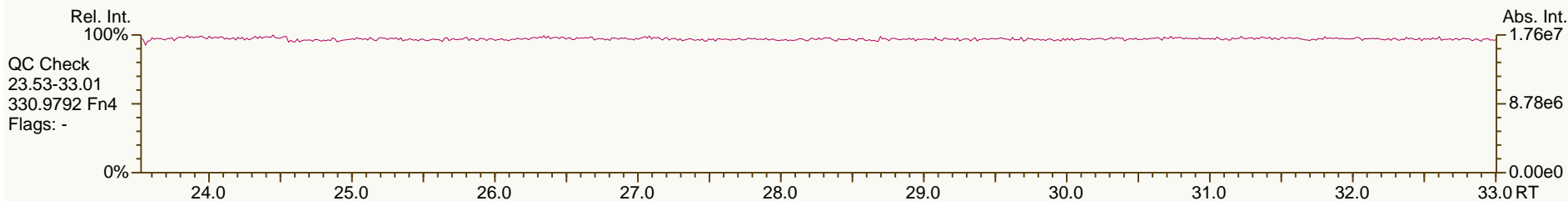
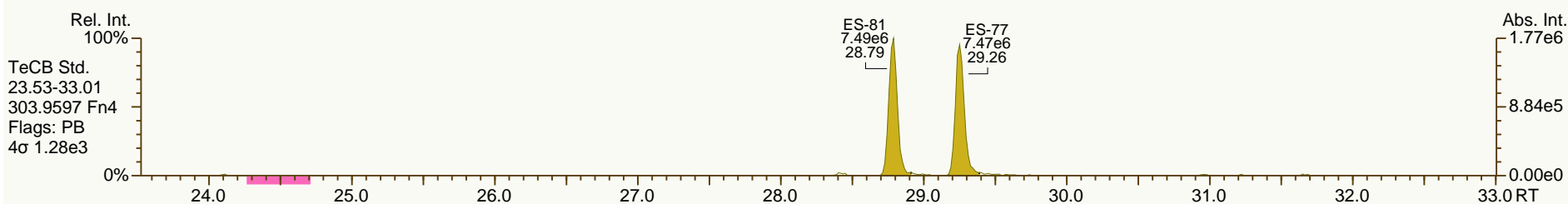
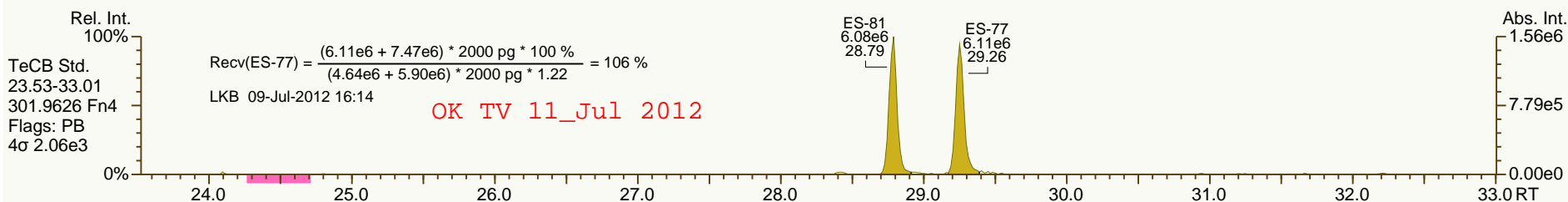
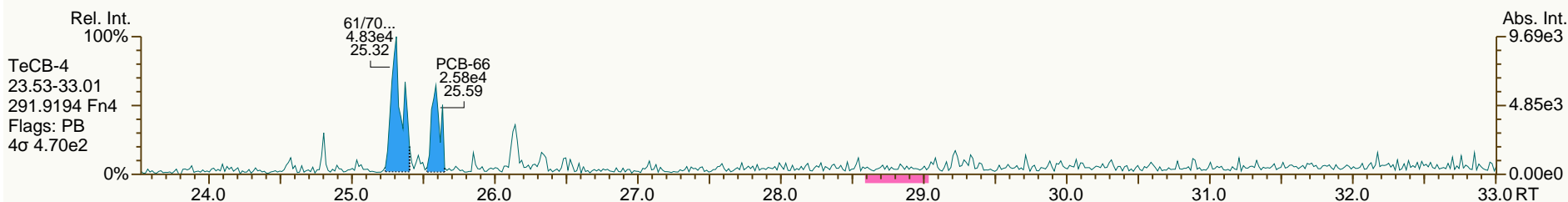
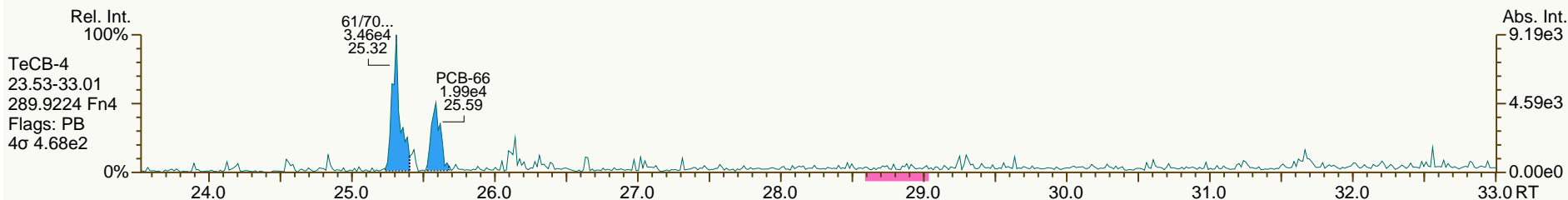
Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

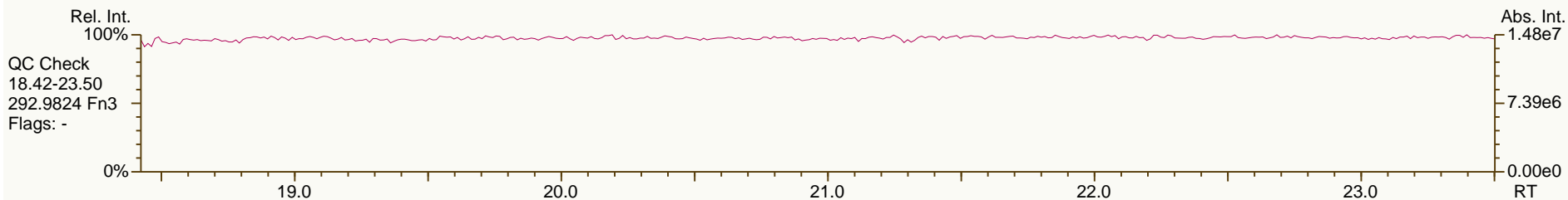
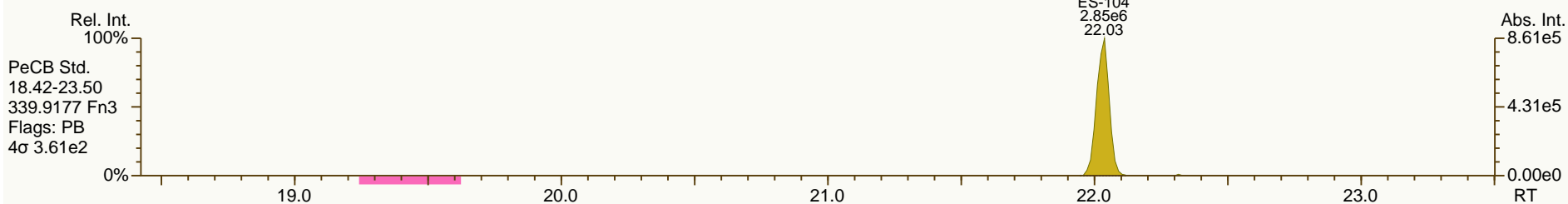
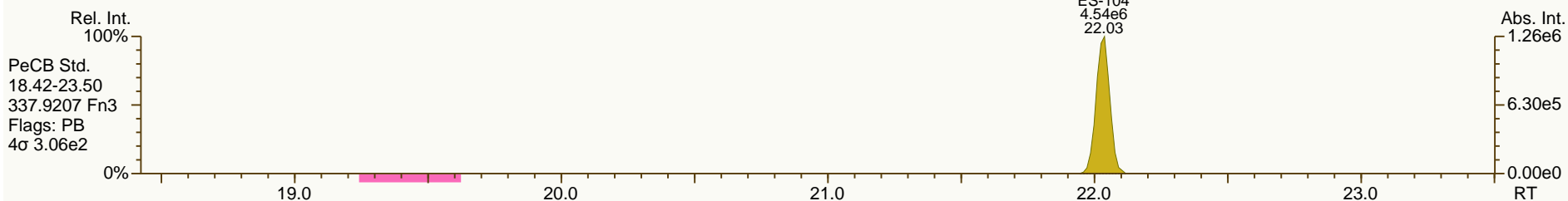
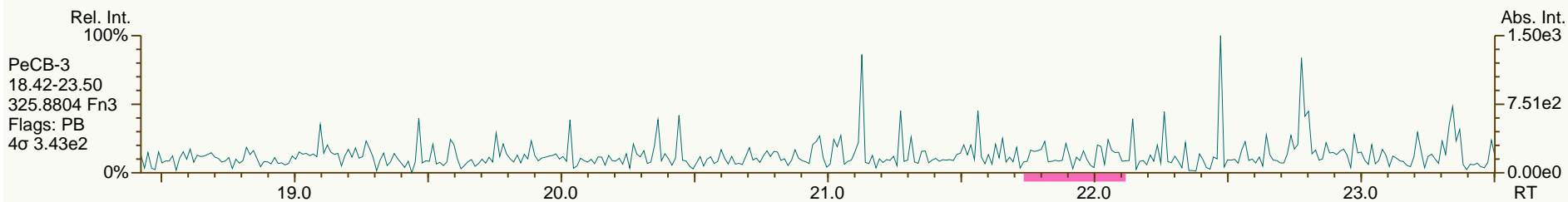
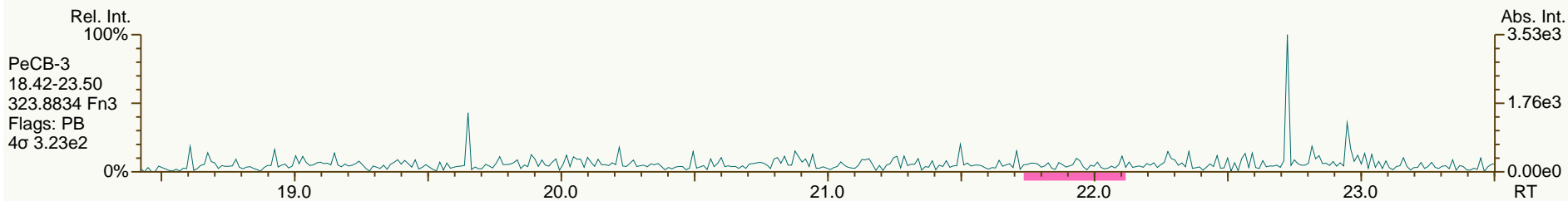
Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

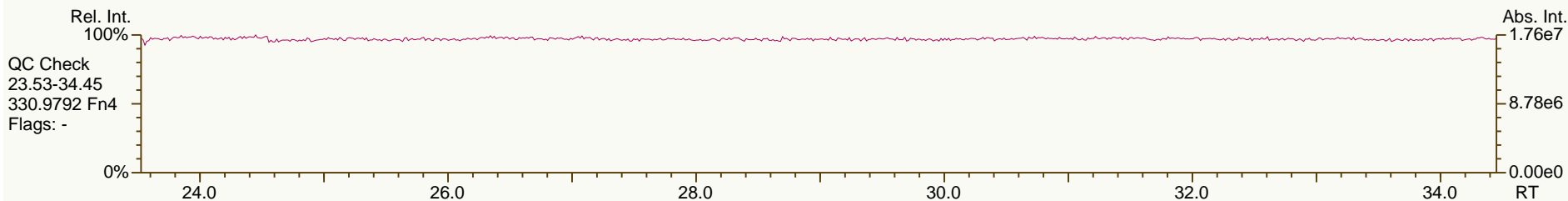
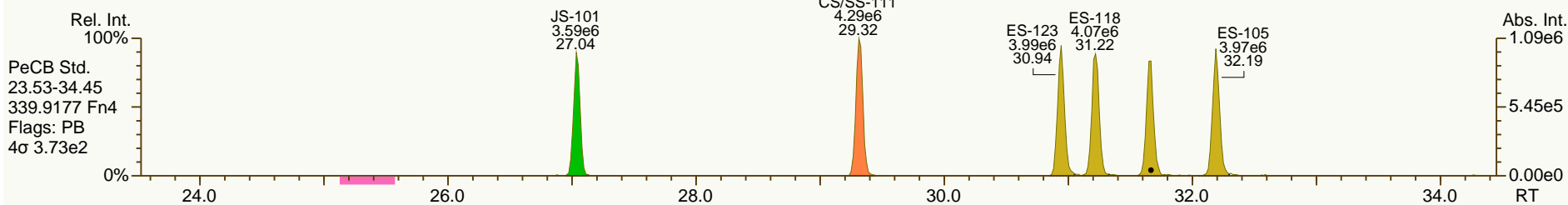
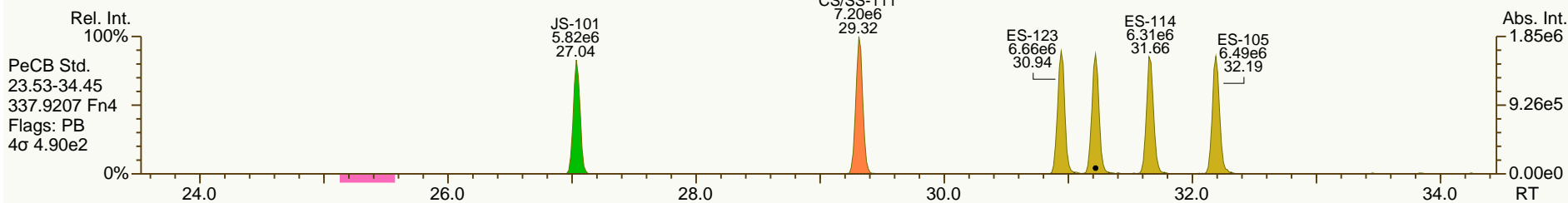
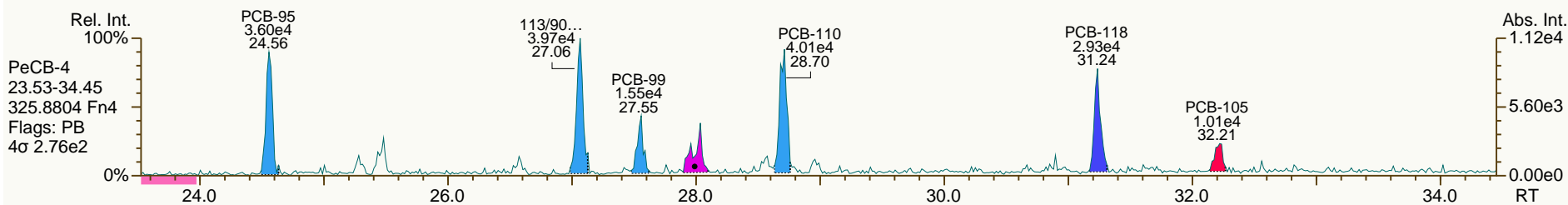
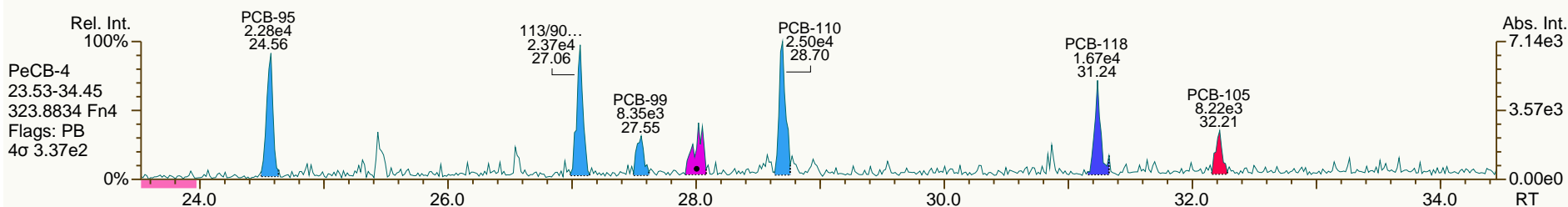
Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

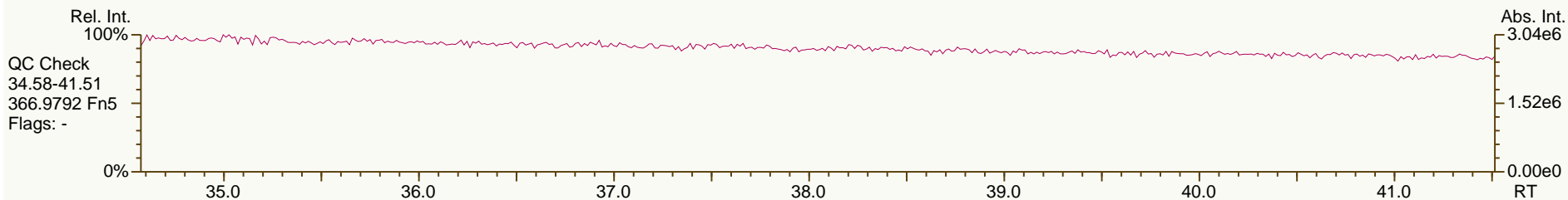
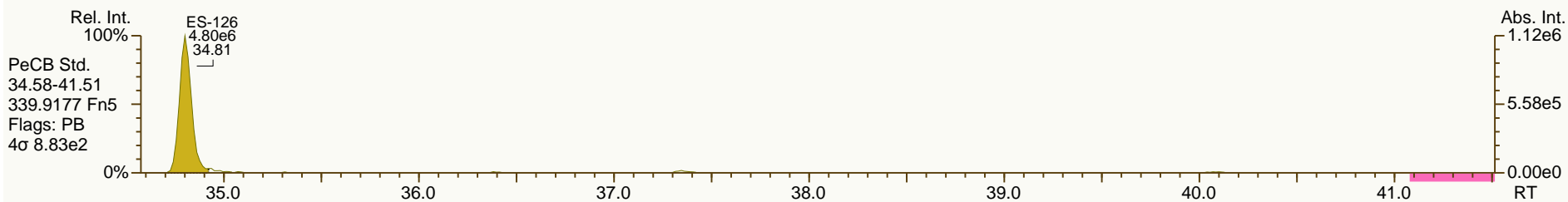
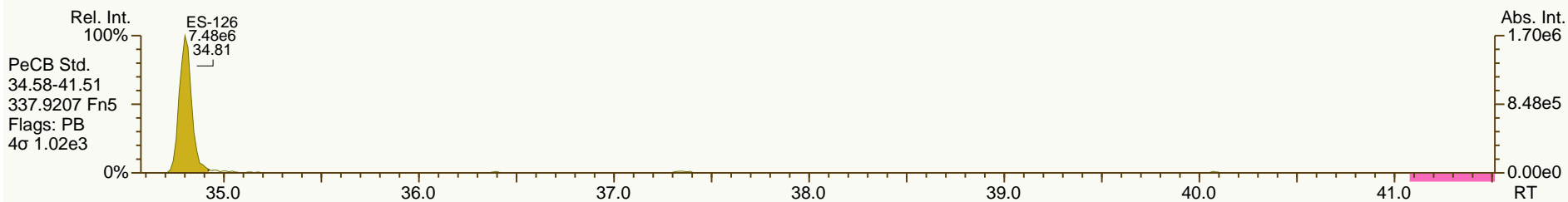
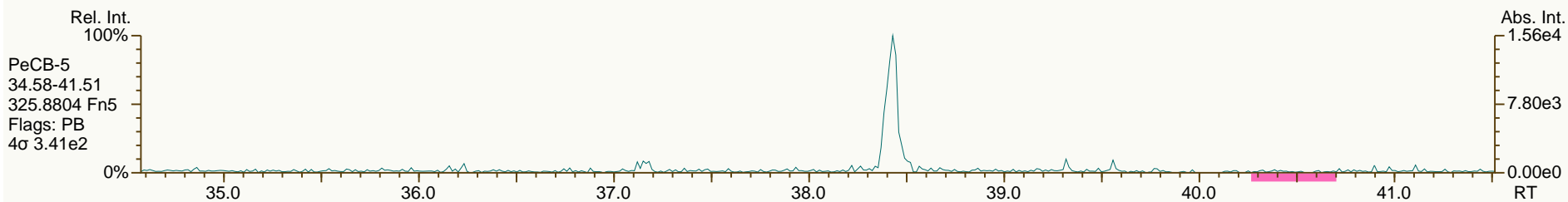
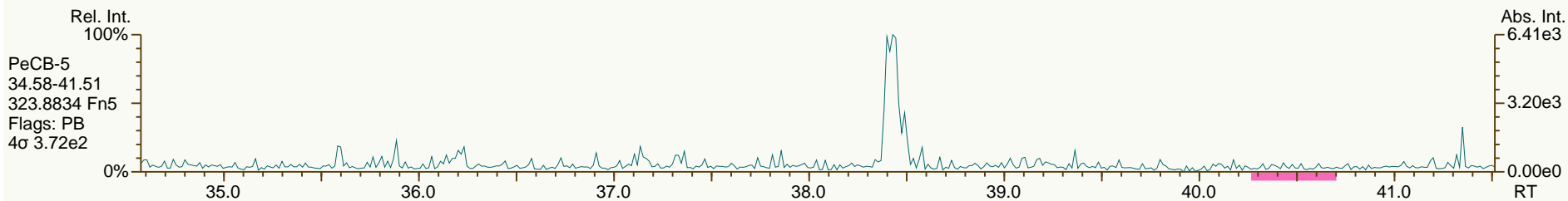
Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

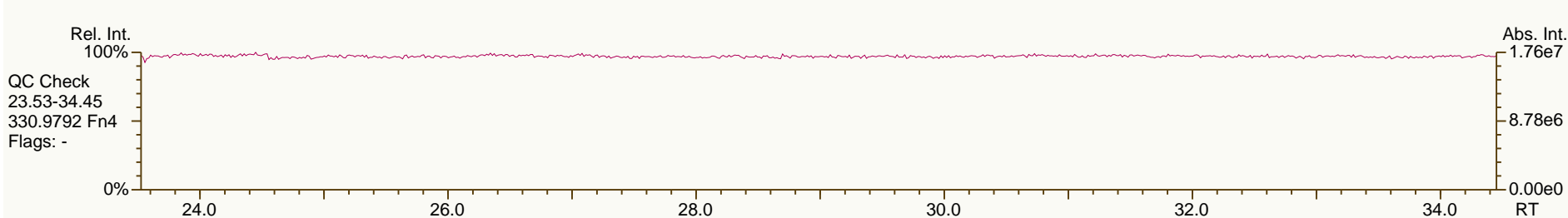
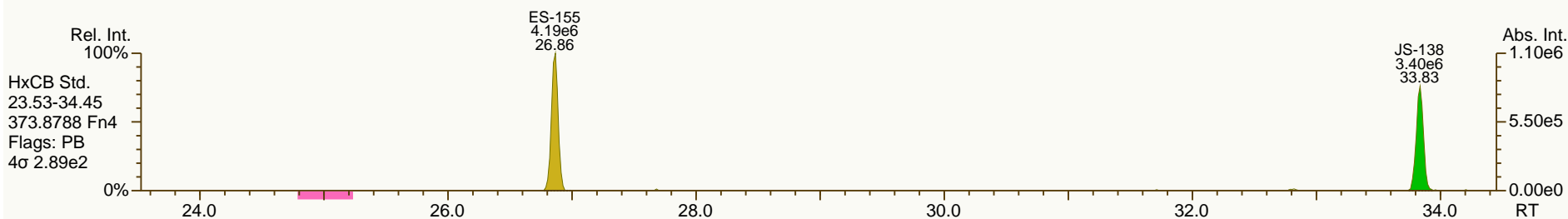
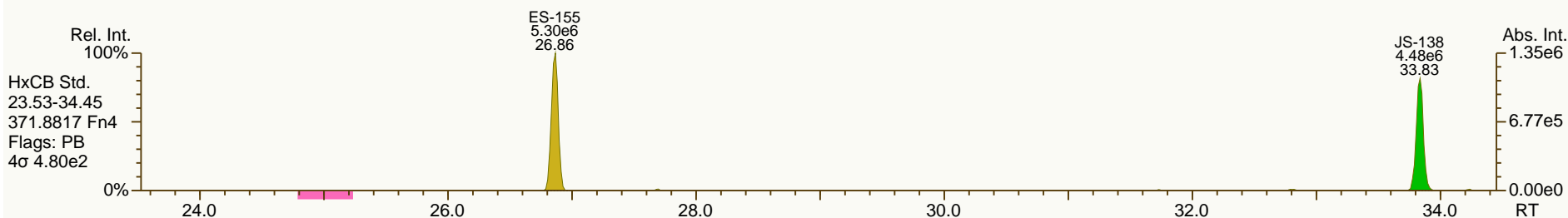
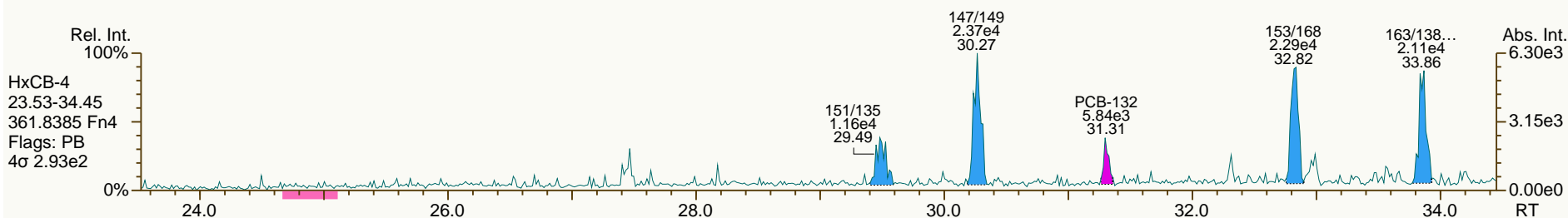
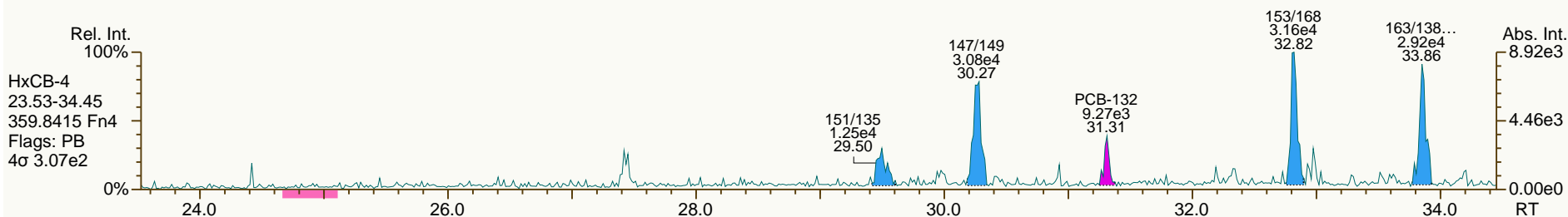
Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

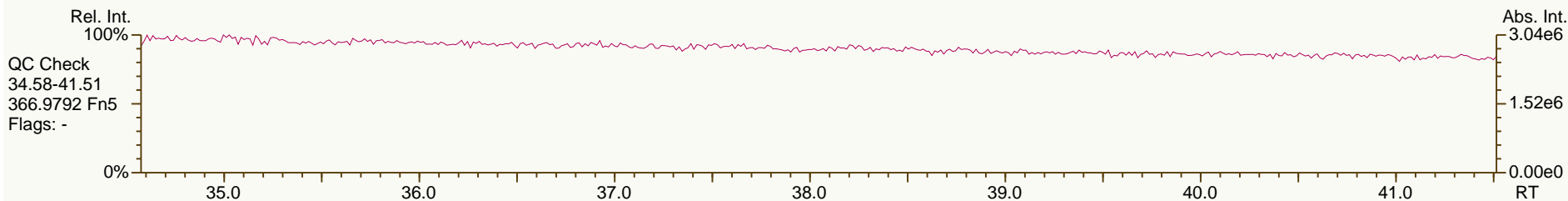
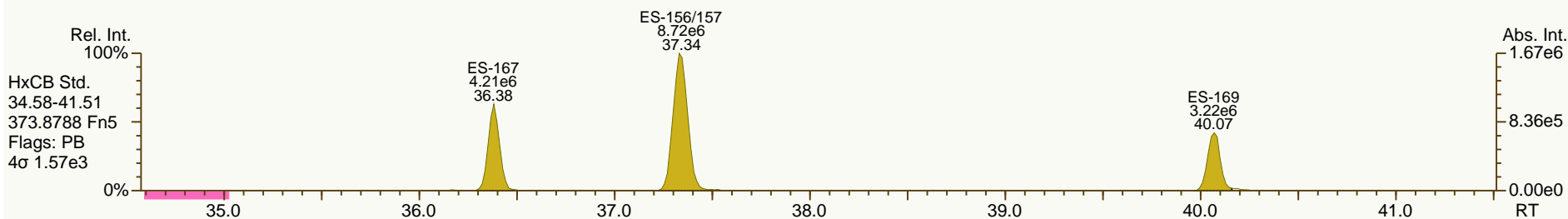
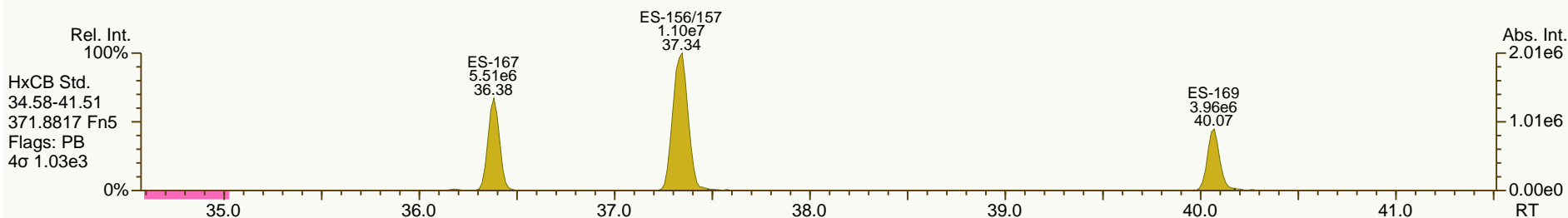
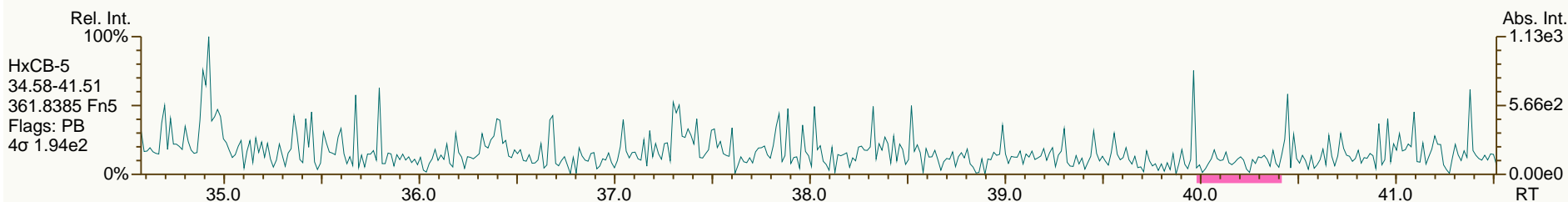
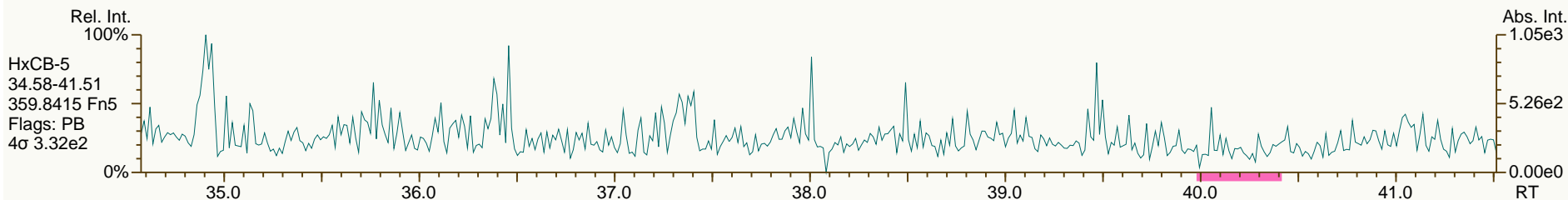
Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

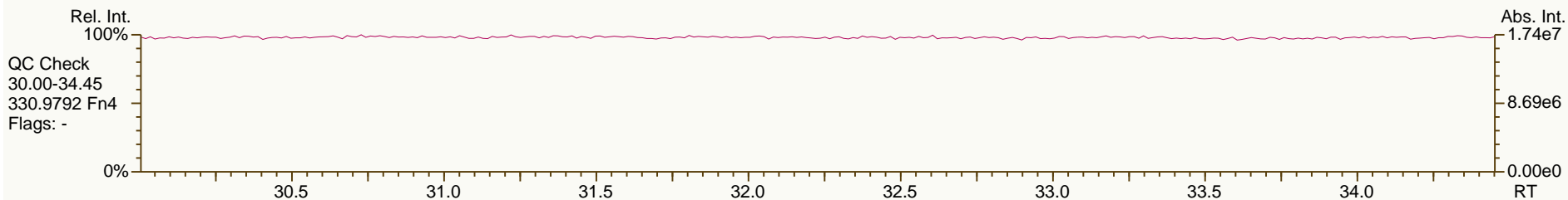
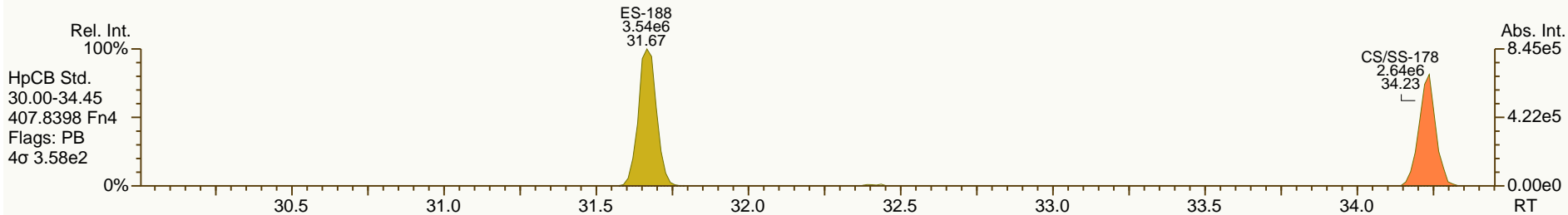
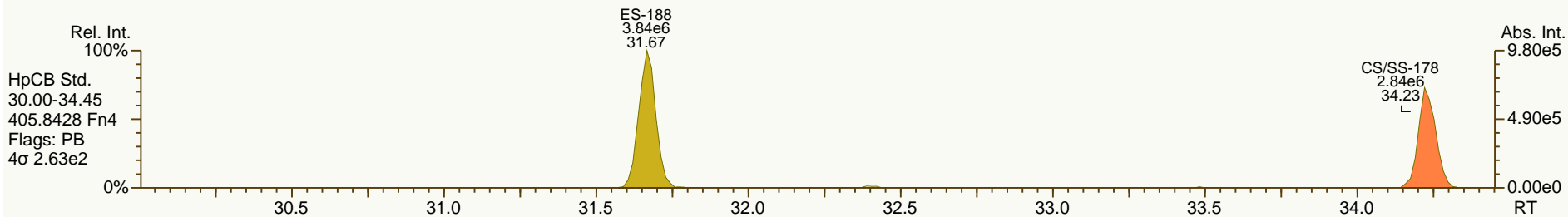
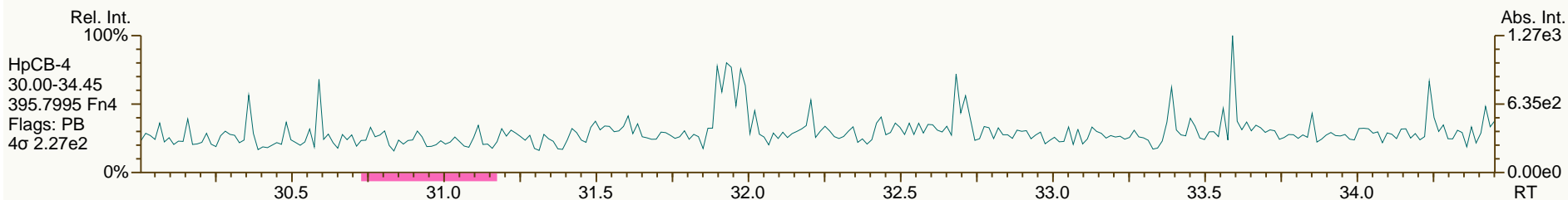
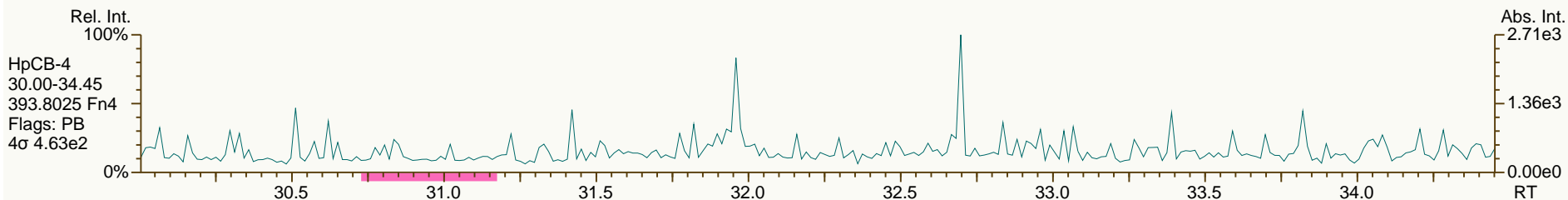
Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

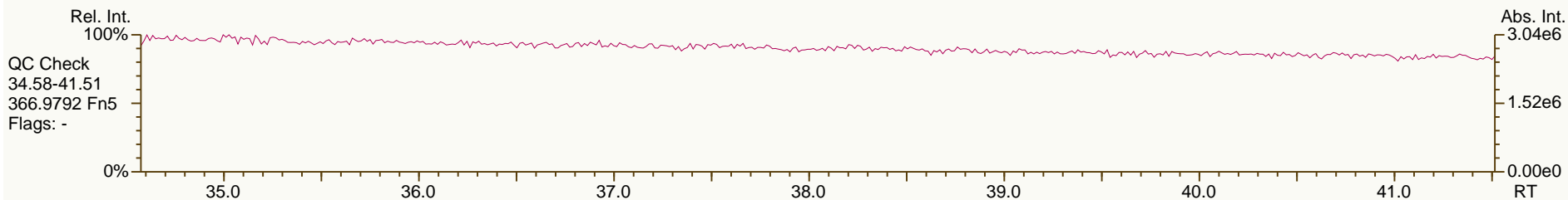
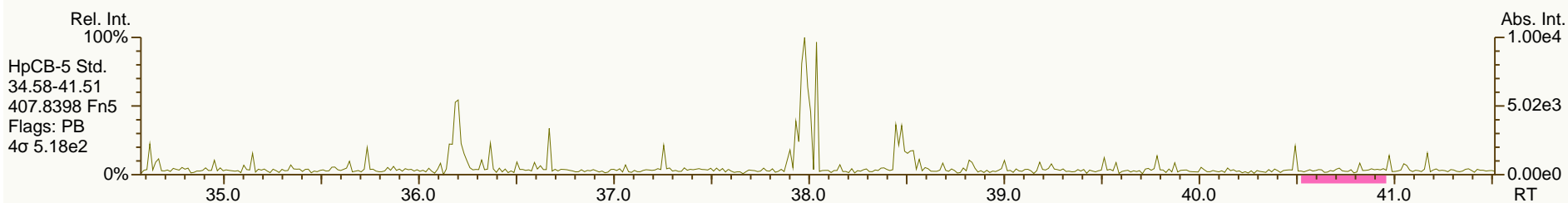
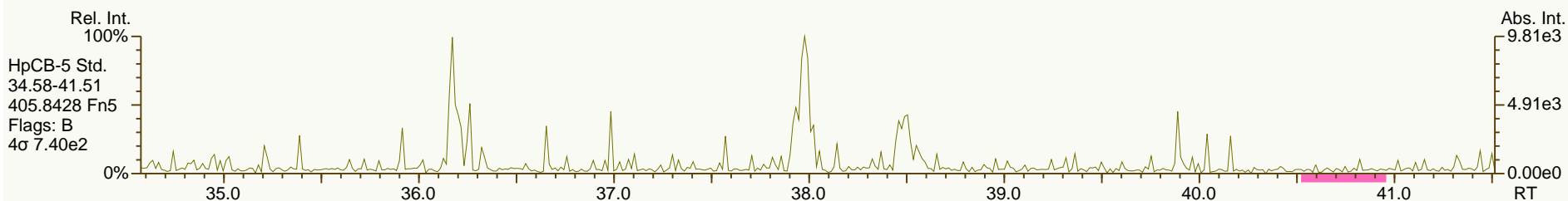
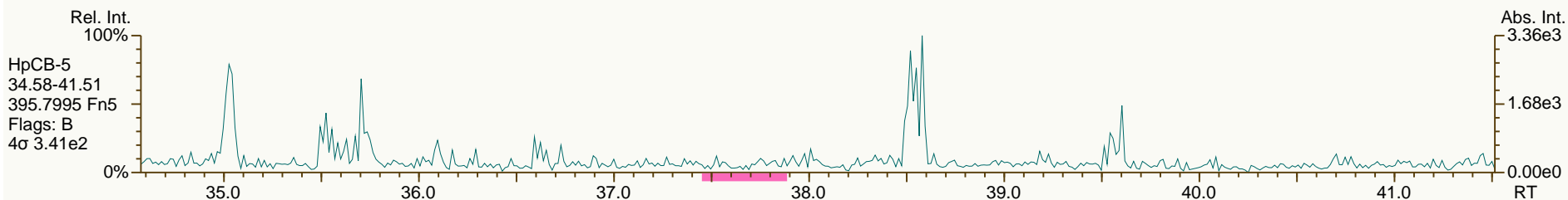
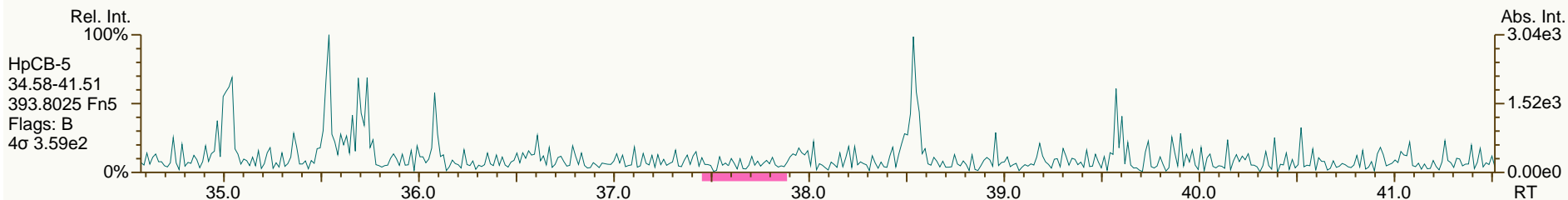
Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

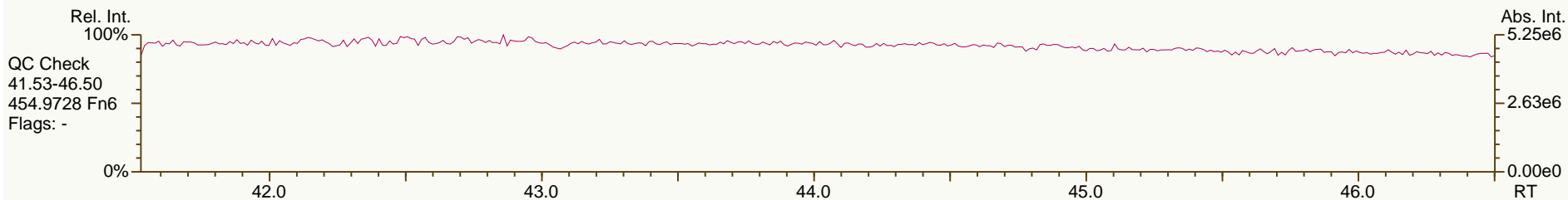
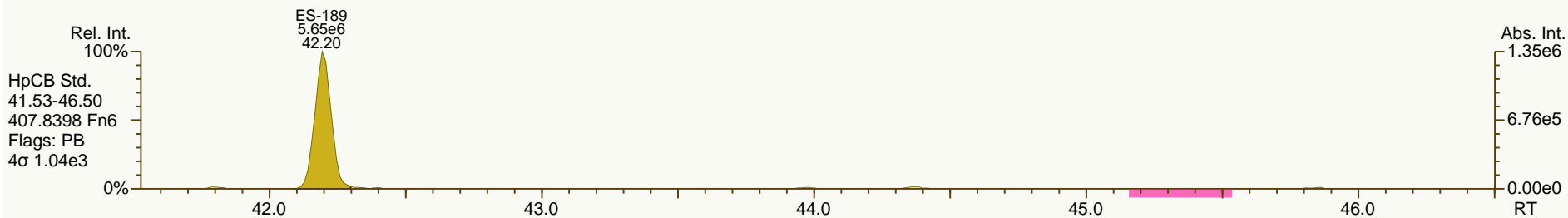
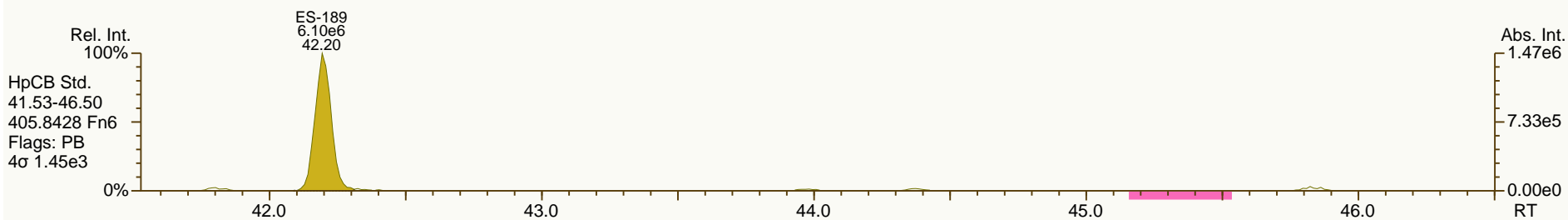
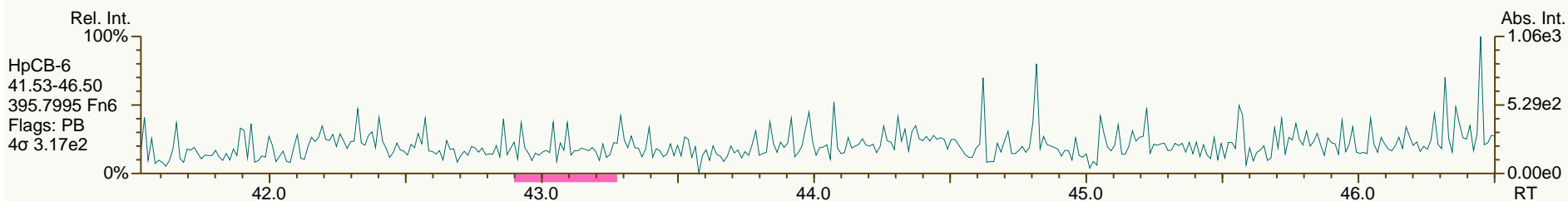
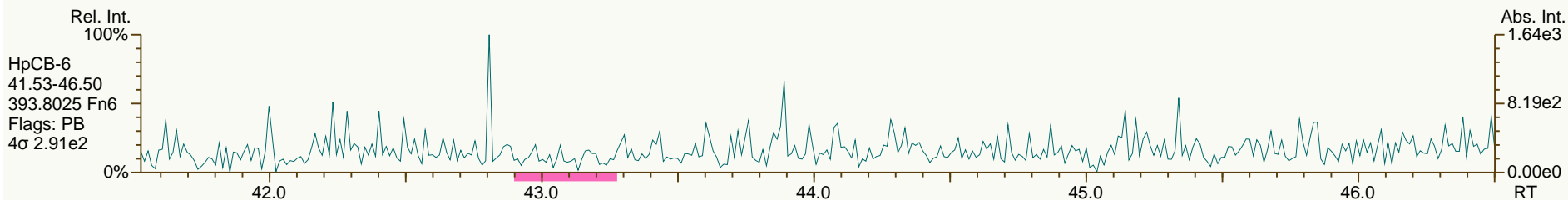
Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

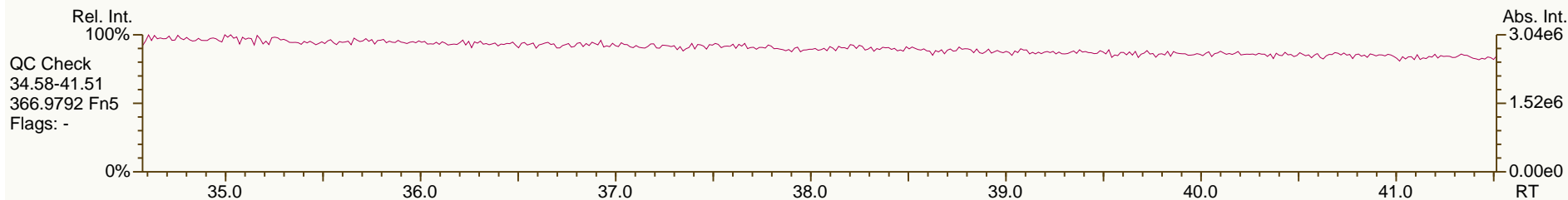
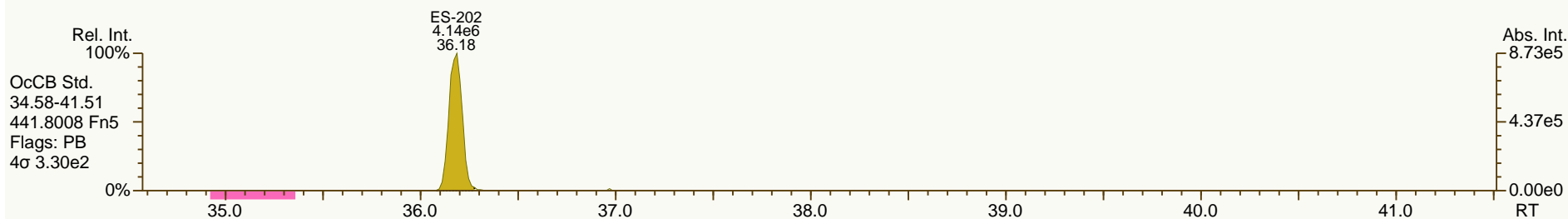
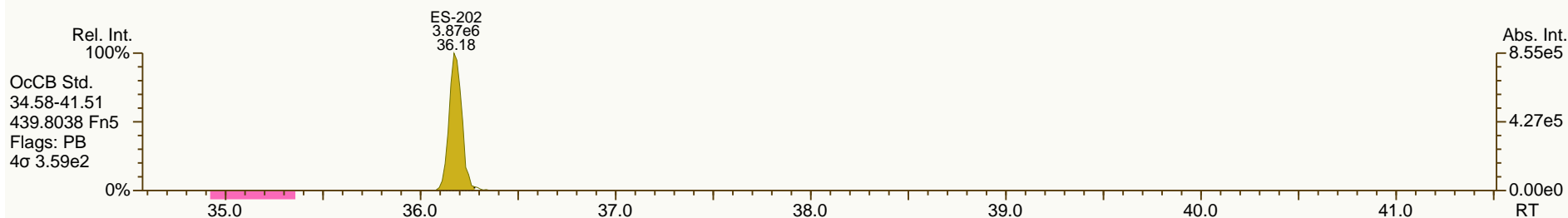
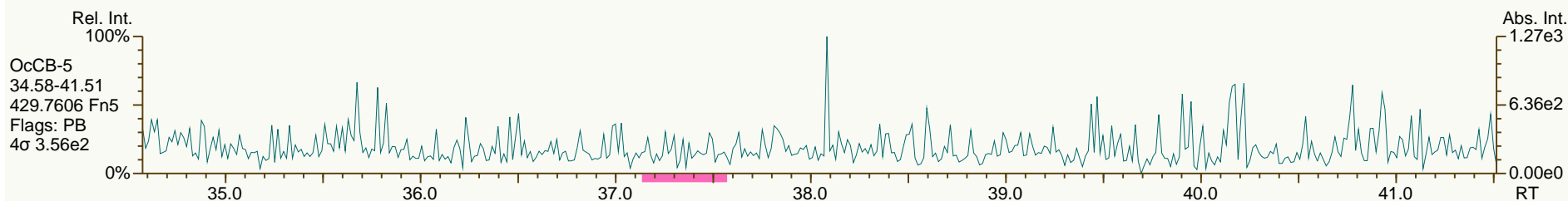
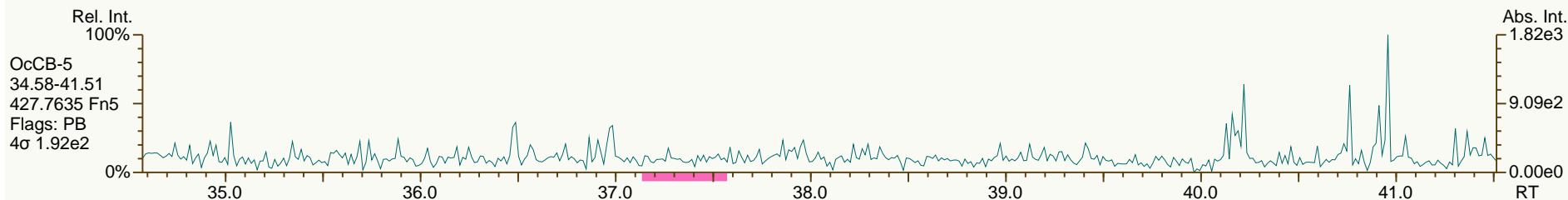
Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

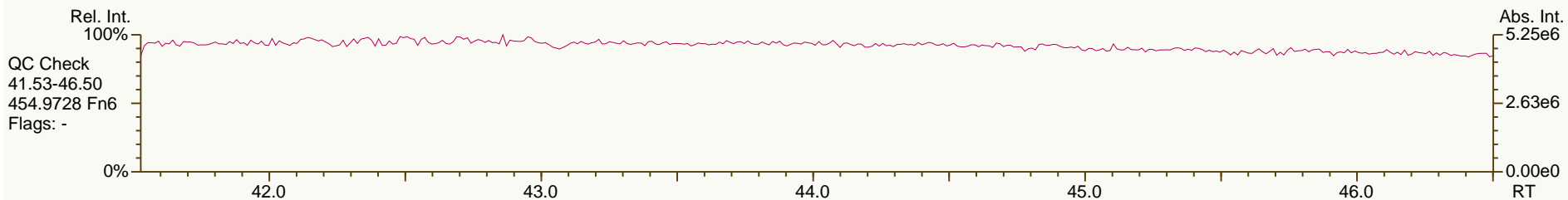
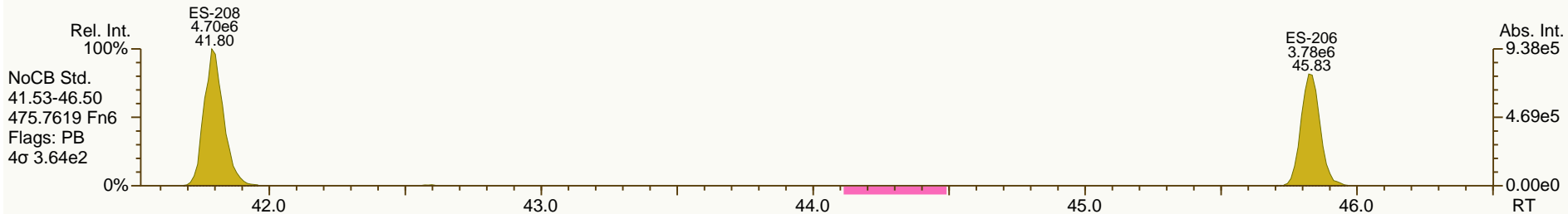
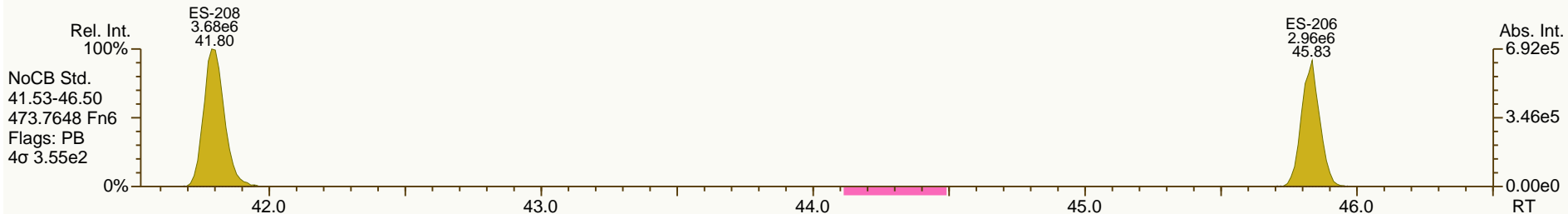
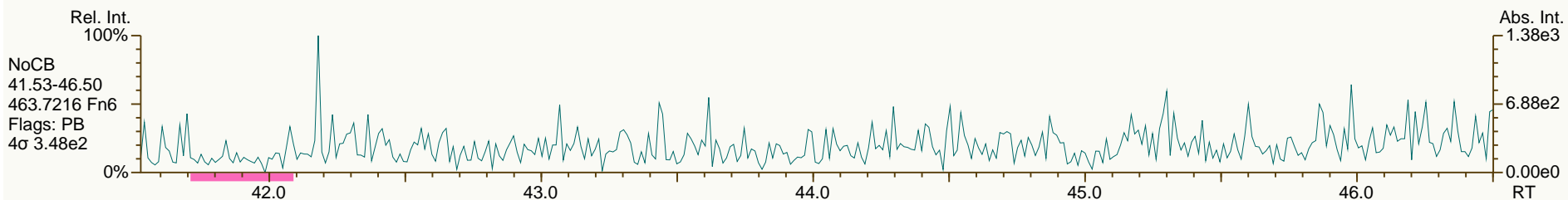
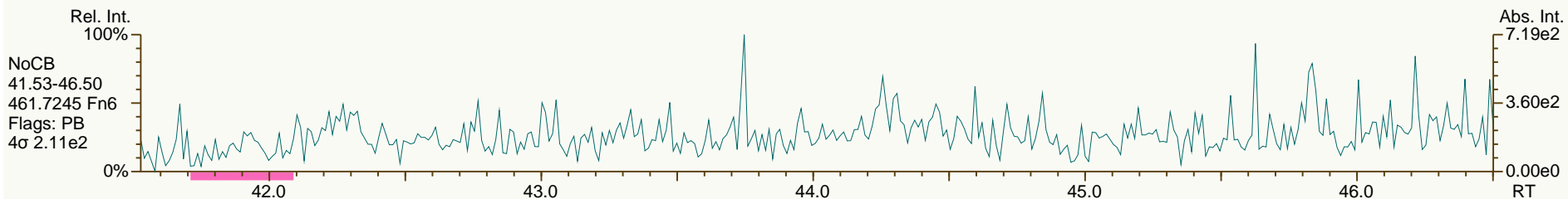
Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

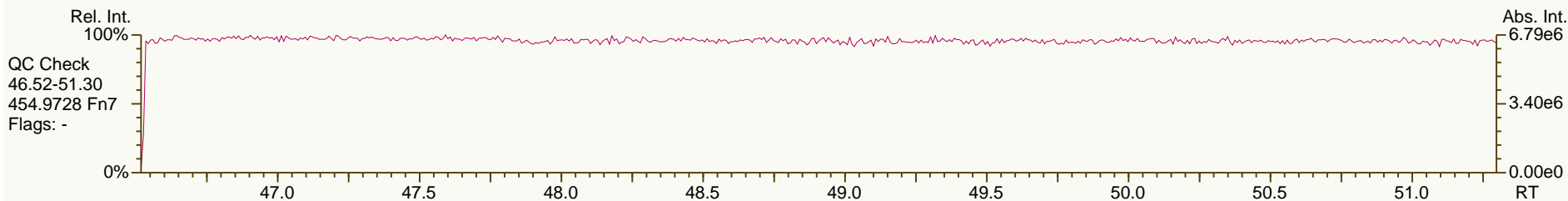
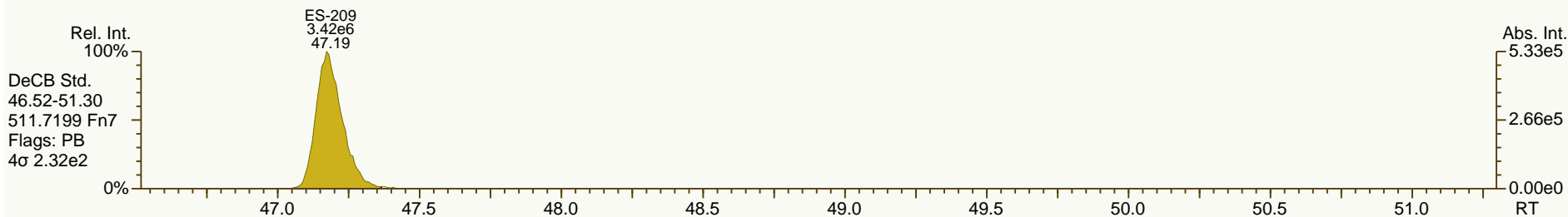
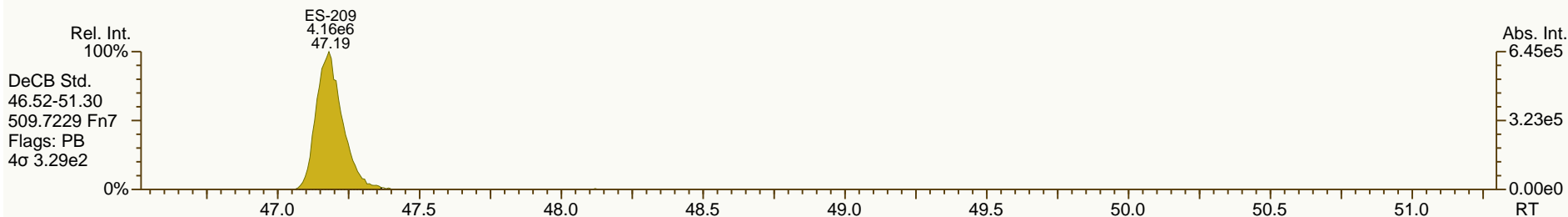
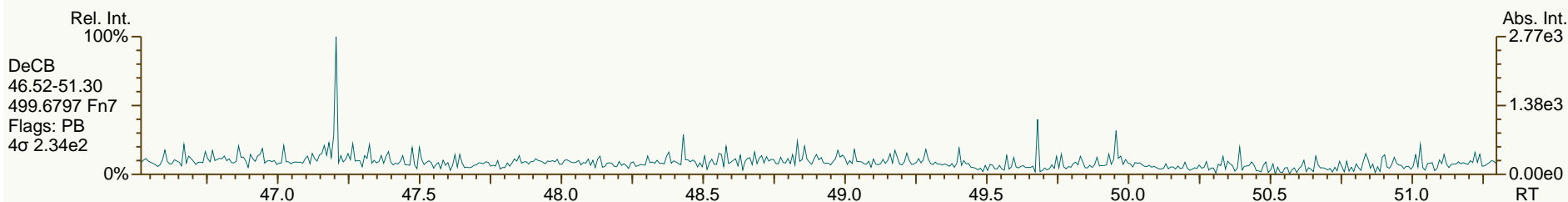
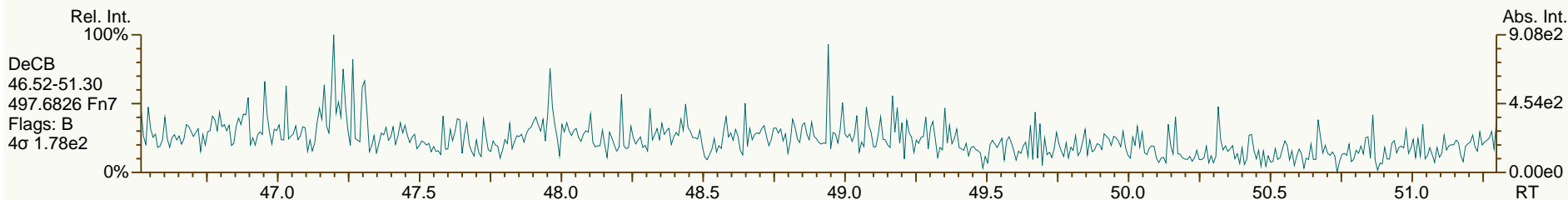
Acq: 05-Jul-2012 14:38:04
 User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

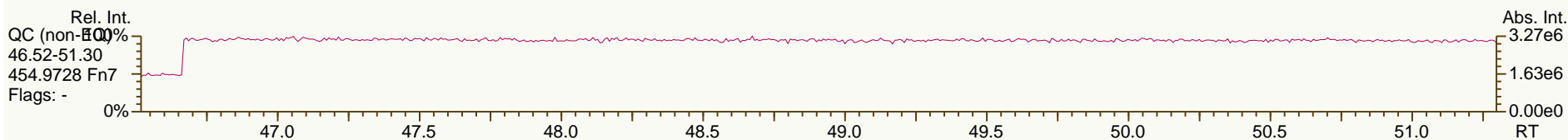
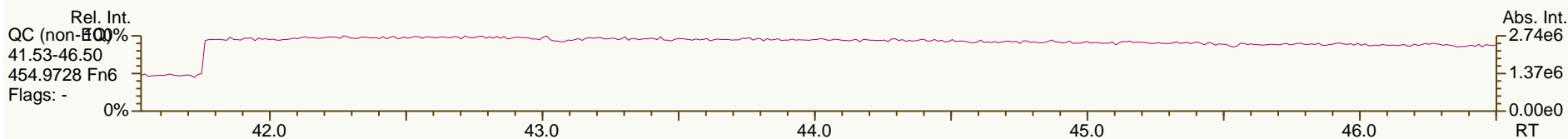
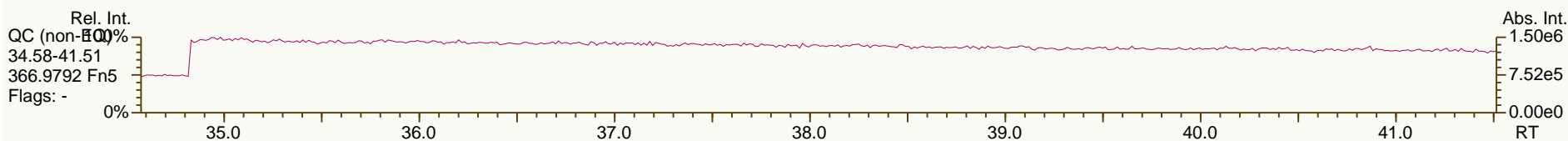
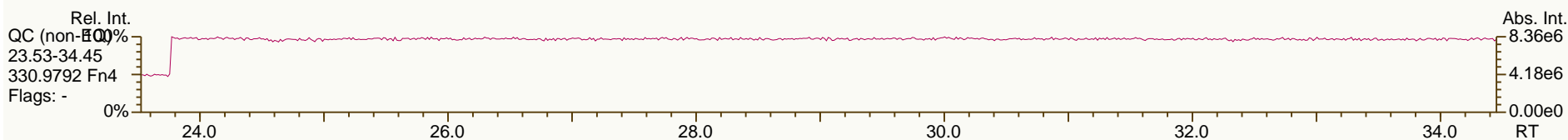
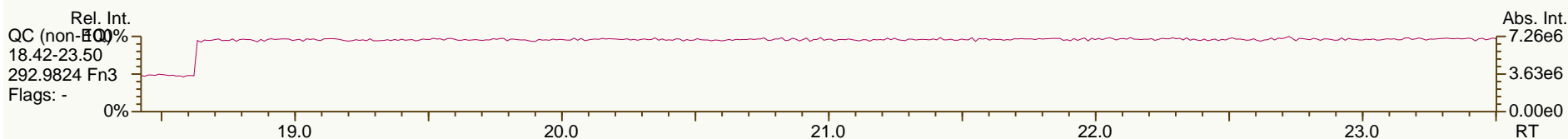
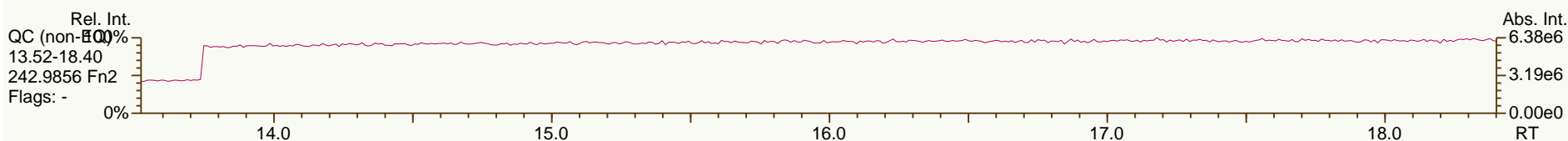
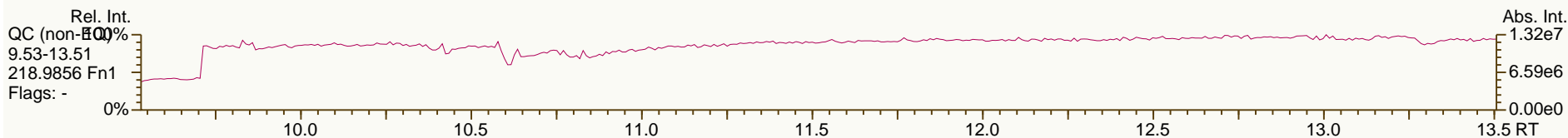
Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



Lab ID: A4371_9893_PCB_001-RJ

ACQ: 05-Jul-2012 15:31:06 LKB Wt/Vol: 7.19 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120705_PCB_SA

Client ID: JW-EA58-COMP-120507

UTP: 09-Jul-2012 14:47 LKB

J-level: 1.39 pg/g Split: 1

Checkcode: 700-644-XVC

Datafile: 120705S05

RPT: 09-Jul-2012 15:32 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.28		1.0006	1.0006	0	2.59E+06	0.78	1.22	28.2	3.94E+03	0.456
PCB-81 344'5'-TeCB	28.82	J	1.0006	1.0008	+0.3	8.63E+04	0.78	1.24	0.902	3.94E+03	0.416
PCB-105 233'44'-PeCB	32.23		1.0007	1.0007	0	1.62E+07	0.62	1.03	373	1.21E+03	0.275
PCB-114 2344'5'-PeCB	31.70		1.0007	1.0007	0	8.21E+05	0.64	1.10	17.6	1.21E+03	0.268
PCB-118 23'44'5'-PeCB	31.26		1.0008	1.0008	0	4.09E+07	0.62	1.03	874	1.21E+03	0.257
PCB-123 23'44'5'-PeCB	30.98		1.0007	1.0007	0	5.94E+05	0.61	0.93	13.8	1.21E+03	0.275
PCB-126 33'44'5'-PeCB	34.84		1.0005	1.0004	-0.2	1.35E+05	0.58	1.11	1.94	2.51E+03	0.392
PCB-156/157 ...-HxCB	37.38	C	1.0005	1.0002	-0.7	6.15E+06	1.28	1.05	149	2.93E+03	0.981
PCB-167 23'44'55'-HxCB	36.43		1.0006	1.0006	0	1.77E+06	1.29	1.08	40.5	2.93E+03	0.717
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	2.93E+03	1.02
PCB-189 233'44'55'-HpCB	42.26		1.0005	1.0005	0	3.77E+05	1.10	1.11	6.13	1.82E+03	0.308
PCB-209 DeCB	47.25		1.0004	1.0004	0	7.13E+05	1.19	1.05	26	4.90E+02	0.279
ES PCB-1	9.84		0.7181	0.7177	-0.2	1.43E+07	3.38	1.01	49.7 %	4%	100%
ES PCB-3	11.76		0.8583	0.8580	-0.2	1.69E+07	3.32	1.05	56.4 %	11%	106%
ES PCB-4	11.97		0.8732	0.8729	-0.2	8.22E+06	1.61	0.70	41.5 %	14%	107%
ES PCB-15	17.08		1.2453	1.2460	+0.7	2.64E+07	1.64	1.17	79.5 %	19%	107%
ES PCB-19	14.67		1.0698	1.0699	+0.1	9.08E+06	1.08	0.57	56.4 %	1%	108%
ES PCB-37	23.08		1.0865	1.0873	+1.1	1.93E+07	1.11	1.41	122 %	25%	123%
ES PCB-54	17.31		0.8157	0.8155	-0.2	1.20E+07	0.77	1.32	80.6 %	13%	105%
ES PCB-77	29.26	V	1.3777	1.3787	+1.8	2.09E+07	0.83	1.22	152 %	31%	109%
ES PCB-81	28.80	V	1.3557	1.3566	+1.6	2.14E+07	0.80	1.15	165 %	14%	127%
ES PCB-104	22.03		0.8147	0.8143	-0.5	9.41E+06	1.60	1.69	54.8 %	36%	115%
ES PCB-105	32.21		1.1906	1.1907	+0.2	1.18E+07	1.63	1.21	95.8 %	50%	111%
ES PCB-114	31.68		1.1709	1.1710	+0.2	1.18E+07	1.67	1.23	94 %	41%	121%
ES PCB-118	31.24		1.1547	1.1548	+0.2	1.26E+07	1.64	1.25	99.3 %	49%	111%
ES PCB-123	30.96		1.1444	1.1445	+0.2	1.30E+07	1.65	1.33	95.9 %	49%	116%
ES PCB-126	34.83	V	1.2871	1.2876	+1.0	1.74E+07	1.64	1.36	126 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.87		0.7939	0.7937	-0.3	1.14E+07	1.35	1.40	106 %	25%	124%
ES PCB-156/157	37.37	V	1.1035	1.1037	+0.4	2.20E+07	1.29	1.13	127 %	40%	120%
ES PCB-167	36.41	V	1.0753	1.0755	+0.4	1.12E+07	1.29	1.13	130 %	45%	118%
ES PCB-169	40.11		1.1842	1.1846	+1.0	8.44E+06	1.30	1.14	96.4 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.68		0.7204	0.7199	-1.0	8.16E+06	1.08	1.34	79.5 %	23%	125%
ES PCB-189	42.24	V	0.9598	0.9597	-0.3	1.54E+07	1.05	1.77	126 %	47%	116%
ES PCB-202	36.21		0.8230	0.8226	-0.9	8.14E+06	0.89	1.27	83.6 %	31%	134%
ES PCB-205	44.41		1.0090	1.0090	0	9.38E+06	0.91	1.25	109 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.88		1.0424	1.0425	+0.3	6.52E+06	0.79	1.07	88.4 %	38%	122%
ES PCB-208	41.83		0.9508	0.9505	-0.8	8.05E+06	0.78	1.34	87.1 %	31%	126%
ES PCB-209	47.23		1.0732	1.0732	0	7.29E+06	1.24	1.18	89.1 %	43%	115%
CS/SS PCB-28	19.67		0.9269	0.9267	-0.2	2.10E+07	1.12	0.98	111 %	14%	131%
CS/SS PCB-111	29.33	V	1.0843	1.0843	0	1.34E+07	1.62	0.90	115 %	57%	112%
CS/SS PCB-178	34.26		1.0118	1.0118	0	5.60E+06	1.07	0.65	106 %	57%	125%
CS PCB-28	19.67	V	0.9269	0.9267	-0.2	2.10E+07	1.12	1.39	135 %	14%	131%
CS PCB-111	29.33		1.0843	1.0843	0	1.34E+07	1.62	1.19	110 %	57%	112%
CS PCB-178	34.26		1.0118	1.0118	0	5.60E+06	1.07	0.87	84.2 %	57%	125%
JS PCB-9	13.71					2.84E+07	1.66				
JS PCB-52	21.23					1.12E+07	0.79				
JS PCB-101	27.05					1.02E+07	1.62				
JS PCB-138	33.86					7.66E+06	1.31				
JS PCB-194	44.01					6.90E+06	0.91				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	58.8	58.8	0.229		
						Di-CBs	229	229	1.53		
						Tri-CBs	700	701	0.521		
						Tetra-CBs	1,720	1,720	0.259		
						Penta-CBs	5,060	5,060	0.273		
						Hexa-CBs	4,060	4,060	0.71		
						Hepta-CBs	859	871	0.278		
						Octa-CBs	254	255	0.223		
						Nona-CBs	63.4	63.4	0.43		
PCB-1 2-MoCB	9.85		1.0011	1.0011	0	1.23E+06	3.32	1.20	20	2.69E+03	0.216
PCB-2 3-MoCB	11.62		0.9878	0.9878	0	1.07E+06	3.26	1.25	14.1	2.69E+03	0.219
PCB-3 4-MoCB	11.77		1.0010	1.0010	0	1.69E+06	3.30	1.13	24.7	2.69E+03	0.242
PCB-4 22'-DiCB	11.98		1.0012	1.0012	0	3.07E+05	1.79	0.94	11	8.75E+03	1.95
PCB-10 26-DiCB	12.14	J	1.0142	1.0142	0	2.83E+04	SI	1.65	0.579	2.98E+03	0.379
PCB-9 25-DiCB	13.72		1.0011	1.0010	-0.1	1.96E+05	SI	0.92	2.24	4.63E+03	0.443
PCB-7 24-DiCB	13.87		1.0116	1.0117	+0.1	1.92E+05	SI	1.04	1.94	4.63E+03	0.393
PCB-6 23'-DiCB	14.07		1.0261	1.0262	+0.1	7.65E+05	1.52	1.01	8	1.26E+04	1.1
PCB-5 23-DiCB	14.33	J	1.0451	1.0452	+0.1	8.39E+04	SI	0.99	0.895	4.63E+03	0.414
PCB-8 24'-DiCB	14.44		1.0533	1.0534	+0.1	3.96E+06	1.53	1.03	40.4	1.26E+04	1.08
PCB-14 35-DiCB	15.86	J	0.9287	0.9286	-0.1	4.07E+04	SI	1.15	0.373	4.63E+03	0.356
PCB-11 33'-DiCB	16.57		0.9701	0.9699	-0.2	9.84E+06	1.51	0.95	108	1.26E+04	1.16
PCB-13/12 34'/34-DiCB	16.82	C	0.9855	0.9848	-0.7	7.90E+05	1.47	0.98	8.51	1.26E+04	1.14
PCB-15 44'-DiCB	17.10		1.0008	1.0009	+0.1	4.45E+06	1.49	1.01	46.6	1.26E+04	1.1

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.68		1.0011	1.0010	-0.1	1.28E+05	0.98	1.01	3.89	2.57E+03	0.572
PCB-30/18 246/22'5-TrCB	16.30	C	1.1110	1.1115	+0.5	2.62E+06	1.04	1.24	64.6	2.57E+03	0.465
PCB-17 22'4-TrCB	16.66		1.1357	1.1359	+0.2	1.11E+06	1.03	1.05	32.4	2.57E+03	0.552
PCB-27 23'6-TrCB	16.84		1.1479	1.1481	+0.2	2.45E+05	1.01	1.39	5.39	2.57E+03	0.415
PCB-24 236-TrCB	16.95	J	1.1558	1.1557	-0.1	3.40E+04	0.98	1.33	0.784	2.57E+03	0.435
PCB-16 22'3-TrCB	17.04		1.1612	1.1617	+0.5	7.92E+05	1.11	0.83	29.1	2.57E+03	0.694
PCB-32 24'6-TrCB	17.49		1.1923	1.1926	+0.3	1.15E+06	1.03	1.50	23.5	2.57E+03	0.386
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.36	ND	4.13E+03	0.414
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	4.13E+03	0.396
PCB-26/29 23'5/245-TrCB	18.97	C	0.8236	0.8220	-1.8	2.06E+06	1.10	1.42	21	4.13E+03	0.398
PCB-25 23'4-TrCB	19.17		0.8315	0.8307	-0.9	1.07E+06	1.12	1.42	10.9	4.13E+03	0.396
PCB-31 24'5-TrCB	19.44		0.8430	0.8422	-0.9	1.34E+07	1.07	1.48	131	4.13E+03	0.382
PCB-28/20 244'/233'-TrCB	19.69	C	0.8542	0.8531	-1.3	1.71E+07	1.08	1.41	174	4.13E+03	0.399
PCB-21/33 234/23'4'-TrCB	19.89	C	0.8612	0.8616	+0.5	6.81E+06	1.06	1.43	68.5	4.13E+03	0.393
PCB-22 234'-TrCB	20.22		0.8766	0.8759	-0.8	4.78E+06	1.06	1.34	51.5	4.13E+03	0.422
PCB-36 33'5-TrCB	21.56	J EMPC	0.9351	0.9343	-1.0	1.28E+05	1.22	1.39	1.33	4.13E+03	0.407
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.44	ND	4.13E+03	0.393
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	4.13E+03	0.441
PCB-35 33'4-TrCB	22.75		0.9860	0.9857	-0.4	5.47E+05	1.15	1.28	6.18	4.13E+03	0.442
PCB-37 344'-TrCB	23.10		1.0008	1.0008	0	6.41E+06	1.11	1.20	77.1	4.13E+03	0.471
PCB-54 22'66'-TeCB	17.33	J	1.0010	1.0011	+0.1	1.09E+04	0.82	0.93	0.272	5.48E+02	0.107
PCB-50/53 22'46/22'56'-TeCB	19.18	C	0.9051	0.9038	-1.5	6.27E+05	0.73	0.80	10.2	9.18E+02	0.151
PCB-45 22'36-TeCB	19.75		0.9304	0.9304	0	4.87E+05	0.79	0.68	9.29	9.18E+02	0.177
PCB-51 22'46'-TeCB	19.82		0.9340	0.9340	0	1.88E+05	0.77	0.81	3.03	9.18E+02	0.149
PCB-46 22'36'-TeCB	20.01		0.9429	0.9427	-0.2	2.07E+05	0.78	0.66	4.09	9.18E+02	0.183
PCB-52 22'55'-TeCB	21.25		1.0010	1.0010	0	1.45E+07	0.79	0.73	257	9.18E+02	0.164
PCB-73 23'5'6-TeCB	21.36	J	1.0069	1.0064	-0.6	2.72E+04	0.82	0.97	0.366	9.18E+02	0.125
PCB-43 22'35-TeCB	21.45		1.0106	1.0105	-0.1	1.75E+05	0.81	0.67	3.4	9.18E+02	0.18
PCB-69/49 23'46/22'45'-TeCB	21.66	C	1.0198	1.0207	+1.2	5.73E+06	0.80	0.90	82.7	9.18E+02	0.134
PCB-48 22'45-TeCB	21.91		1.0319	1.0320	+0.1	1.07E+06	0.79	0.74	18.8	9.18E+02	0.163
PCB-44/47/65 ...-TeCB	22.09	C	1.0416	1.0406	-1.3	8.85E+06	0.78	0.80	143	9.18E+02	0.15
PCB-59/62/75 ...-TeCB	22.38	C	1.0541	1.0542	+0.1	6.53E+05	0.83	1.01	8.42	9.18E+02	0.12
PCB-42 22'34'-TeCB	22.53		1.0612	1.0615	+0.4	1.59E+06	0.76	0.71	29.2	9.18E+02	0.171
PCB-41 22'34-TeCB	22.85		1.0759	1.0764	+0.7	4.03E+05	0.75	0.62	8.49	9.18E+02	0.195
PCB-71/40 23'4'6/22'33'-TeCB	22.95	C	1.0806	1.0814	+1.1	3.18E+06	0.77	0.77	53.9	9.18E+02	0.157
PCB-64 234'6-TeCB	23.15		1.0899	1.0906	+1.0	4.37E+06	0.79	1.07	53	9.18E+02	0.112
PCB-72 23'55'-TeCB	23.91		0.8295	0.8304	+1.3	2.53E+05	0.82	1.28	2.58	3.94E+03	0.404
PCB-68 23'45'-TeCB	24.17		0.8379	0.8392	+1.9	1.58E+05	0.76	1.33	1.54	3.94E+03	0.388
PCB-57 233'5-TeCB	24.52	J	0.8501	0.8514	+1.9	6.18E+04	0.75	1.20	0.672	3.94E+03	0.432
PCB-58 233'5'-TeCB	24.71	J	0.8568	0.8581	+1.9	7.56E+04	0.68	1.20	0.823	3.94E+03	0.433
PCB-67 23'45-TeCB	24.86		0.8620	0.8634	+2.1	6.30E+05	0.82	1.23	6.69	3.94E+03	0.422
PCB-63 234'5-TeCB	25.08		0.8697	0.8708	+1.7	8.28E+05	0.78	1.32	8.18	3.94E+03	0.392
PCB-61/70/74/76 ...-TeCB	25.36	C	0.8792	0.8805	+2.0	5.08E+07	0.79	1.23	536	3.94E+03	0.42
PCB-66 23'44'-TeCB	25.61		0.8888	0.8894	+0.9	2.38E+07	0.79	1.16	268	3.94E+03	0.448
PCB-55 233'4-TeCB	25.73		0.8932	0.8937	+0.8	4.15E+05	0.82	1.17	4.6	3.94E+03	0.44

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.15		0.9080	0.9082	+0.3	9.78E+06	0.78	1.15	111	3.94E+03	0.45
PCB-60 2344'-TeCB	26.34		0.9144	0.9146	+0.3	5.12E+06	0.77	1.21	55.1	3.94E+03	0.428
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.34	ND	3.94E+03	0.386
PCB-79 33'45'-TeCB	27.97		0.9718	0.9714	-0.7	5.47E+05	0.69	1.26	5.66	3.94E+03	0.411
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.04	ND	3.94E+03	0.498
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	5.93E+02	0.172
PCB-96 22'366'-PeCB	22.34		1.0141	1.0141	0	8.71E+04	0.64	0.93	2.76	5.93E+02	0.169
PCB-103 22'45'6'-PeCB	24.06		0.8883	0.8894	+1.6	1.22E+05	0.65	0.86	3.04	1.21E+03	0.295
PCB-94 22'356'-PeCB	24.23	EMPC	0.8946	0.8958	+1.7	5.96E+04	0.51	0.76	1.69	1.21E+03	0.337
PCB-95 22'35'6'-PeCB	24.61		0.9082	0.9097	+2.2	1.63E+07	0.62	0.83	423	1.21E+03	0.308
PCB-100/93 22'44'6'/22'356'-PeCB	24.81	C	0.9158	0.9172	+2.1	1.08E+05	0.56	0.83	2.8	1.21E+03	0.307
PCB-102 22'456'-PeCB	24.92		0.9198	0.9211	+1.9	4.82E+05	0.60	0.98	10.6	1.21E+03	0.261
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.72	ND	1.21E+03	0.355
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.74	ND	1.21E+03	0.346
PCB-91 22'34'6'-PeCB	25.33		0.9352	0.9362	+1.5	2.93E+06	0.62	0.90	69.5	1.21E+03	0.282
PCB-84 22'33'6'-PeCB	25.49		0.9416	0.9424	+1.2	5.45E+06	0.61	0.71	166	1.21E+03	0.361
PCB-89 22'346'-PeCB	25.89		0.9567	0.9571	+0.6	1.61E+05	0.57	0.74	4.68	1.21E+03	0.345
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.07	ND	1.21E+03	0.239
PCB-92 22'355'-PeCB	26.58		0.9825	0.9825	0	4.59E+06	0.60	0.74	132	1.21E+03	0.342
PCB-113/90/101 ...-PeCB	27.07	C	0.9999	1.0008	+1.5	3.07E+07	0.62	0.88	751	1.21E+03	0.291
PCB-83 22'33'5'-PeCB	27.45		1.0150	1.0147	-0.5	1.12E+06	0.62	0.64	37.4	1.21E+03	0.396
PCB-99 22'44'5'-PeCB	27.56		1.0190	1.0189	-0.2	1.41E+07	0.61	0.78	387	1.21E+03	0.327
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	1.21E+03	0.246
PCB-108/119/86/97/125...-PeCB	28.01	C	1.0347	1.0356	+1.5	2.23E+07	0.61	0.90	532	1.21E+03	0.283
PCB-117 234'56'-PeCB	28.51		1.0539	1.0539	0	7.75E+05	0.60	0.71	23.3	1.21E+03	0.357
PCB-116/85 23456/22'344'-PeCB	28.58	C	1.0566	1.0564	-0.3	4.93E+06	0.62	1.00	106	1.21E+03	0.255
PCB-110 233'4'6'-PeCB	28.71		1.0615	1.0614	-0.2	4.21E+07	0.62	0.99	910	1.21E+03	0.256
PCB-115 2344'6'-PeCB	28.79		1.0644	1.0643	-0.2	1.18E+06	0.63	1.00	25.2	1.21E+03	0.254
PCB-82 22'33'4'-PeCB	28.97		1.0711	1.0708	-0.5	2.74E+06	0.62	0.65	91	1.21E+03	0.394
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.04	ND	1.21E+03	0.246
PCB-120 23'455'-PeCB	29.74		1.0994	1.0994	0	9.20E+04	0.63	1.04	1.9	1.21E+03	0.245
PCB-107/124 ...-PeCB	30.68	C	0.9909	0.9910	+0.2	1.43E+06	0.62	0.96	32.1	1.21E+03	0.266
PCB-109 233'46'-PeCB	30.88		0.9976	0.9976	0	2.61E+06	0.61	0.98	57.4	1.21E+03	0.26
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.94	ND	1.21E+03	0.272
PCB-122 233'4'5'-PeCB	31.54		1.0095	1.0096	+0.2	4.48E+05	0.63	0.97	10.9	1.21E+03	0.305
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.94	ND	1.21E+03	0.3
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	5.33E+02	0.122
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	5.33E+02	0.129
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.02	ND	5.33E+02	0.126
PCB-136 22'33'66'-HxCB	27.45		1.0216	1.0216	0	3.20E+06	1.22	0.92	84.6	5.33E+02	0.139
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	5.33E+02	0.135
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.72	ND	5.33E+02	0.178
PCB-151/135 ...-HxCB	29.51	C	1.0986	1.0984	-0.4	5.92E+06	1.24	0.70	206	5.33E+02	0.183
PCB-154 22'44'56'-HxCB	29.74		1.1067	1.1067	0	2.66E+05	1.15	0.78	8.28	5.33E+02	0.164
PCB-144 22'345'6'-HxCB	29.98		1.1158	1.1158	0	9.36E+05	1.24	0.70	32.6	5.33E+02	0.184

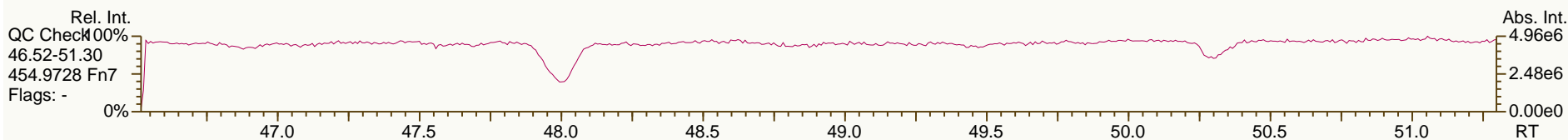
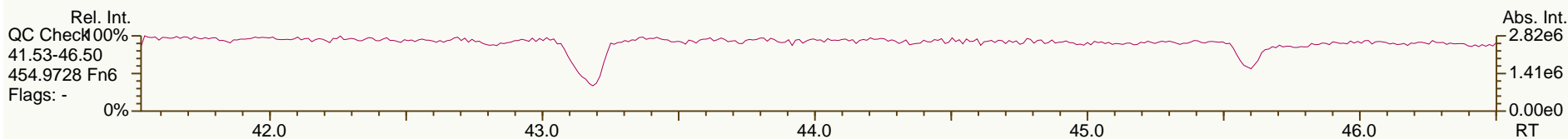
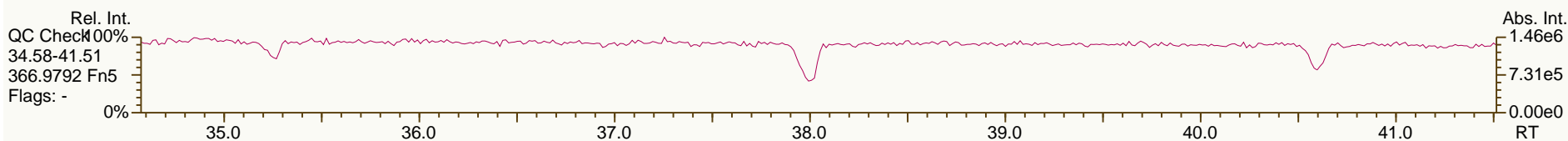
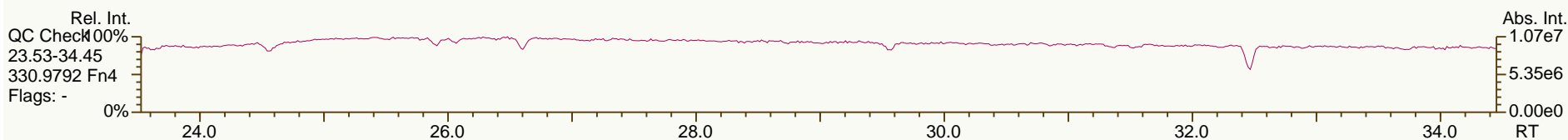
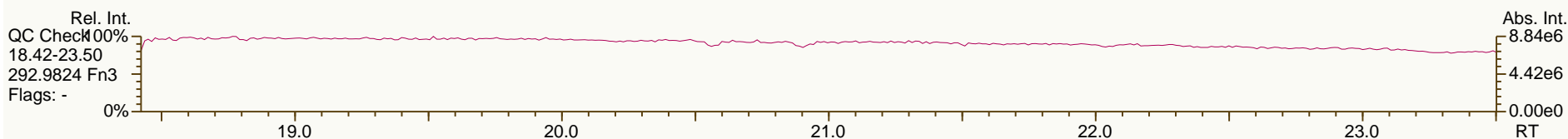
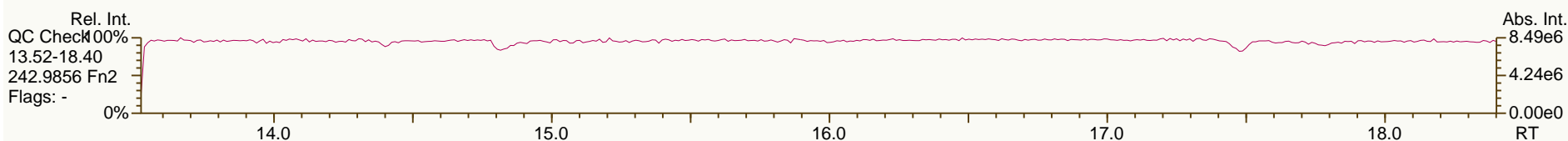
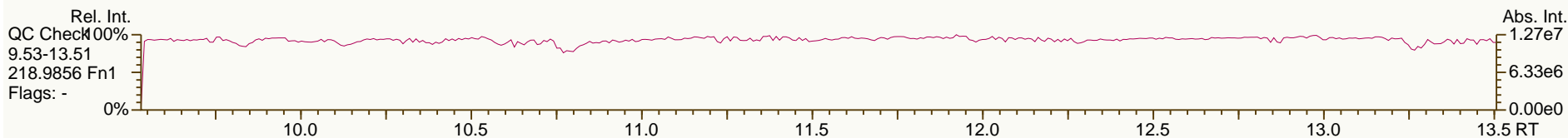
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.28	C	1.1269	1.1268	-0.2	1.74E+07	1.27	0.72	591	5.33E+02	0.179
PCB-134 22'33'56"-HxCB	30.44		1.1326	1.1327	+0.2	1.23E+06	1.30	0.59	51.3	5.33E+02	0.219
PCB-143 22'34'56"-HxCB	30.53		1.1356	1.1362	+1.1	5.01E+04	1.23	0.66	1.84	5.33E+02	0.193
PCB-139/140 ...-HxCB	30.78	C	1.1458	1.1456	-0.4	5.22E+05	1.21	0.73	17.4	5.33E+02	0.175
PCB-131 22'33'46"-HxCB	30.95		1.1516	1.1516	0	3.44E+05	1.30	0.61	13.7	5.33E+02	0.21
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.62	ND	5.33E+02	0.208
PCB-132 22'33'46"-HxCB	31.32		1.1655	1.1656	+0.2	8.07E+06	1.28	0.64	308	5.33E+02	0.201
PCB-133 22'33'55"-HxCB	31.79		1.1826	1.1829	+0.6	3.33E+05	1.23	0.64	12.7	5.33E+02	0.2
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.79	ND	5.33E+02	0.163
PCB-146 22'34'55"-HxCB	32.33		0.9550	0.9549	-0.2	3.74E+06	1.31	0.68	135	5.33E+02	0.19
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.88	ND	5.33E+02	0.146
PCB-153/168 ...-HxCB	32.85	C	0.9709	0.9702	-1.4	2.46E+07	1.25	0.89	675	5.33E+02	0.144
PCB-141 22'34'55"-HxCB	33.00		0.9746	0.9746	0	3.96E+06	1.24	0.65	148	5.33E+02	0.197
PCB-130 22'33'45"-HxCB	33.34		0.9847	0.9846	-0.2	1.72E+06	1.28	0.58	71.9	5.33E+02	0.221
PCB-137 22'34'4'5"-HxCB	33.53		0.9904	0.9904	0	1.68E+06	1.31	0.66	61.8	5.33E+02	0.194
PCB-164 233'4'5'6"-HxCB	33.62		0.9930	0.9930	0	2.13E+06	1.26	0.89	58.4	5.33E+02	0.145
PCB-163/138/129 ...-HxCB	33.88	C	1.0012	1.0008	-0.8	3.28E+07	1.25	0.72	1,120	5.33E+02	0.179
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.86	ND	5.33E+02	0.15
PCB-158 233'44'6"-HxCB	34.21		1.0106	1.0106	0	4.10E+06	1.26	0.93	107	5.33E+02	0.137
PCB-128/166 ...-HxCB	34.93	C	0.9593	0.9593	0	6.87E+06	1.30	0.99	172	2.93E+03	0.784
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.05	ND	2.93E+03	0.736
PCB-162 233'4'55"-HxCB	36.04		0.9896	0.9897	+0.2	1.59E+05	1.30	1.12	3.51	2.93E+03	0.691
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	4.67E+02	0.148
PCB-179 22'33'566"-HpCB	31.97		1.0089	1.0089	0	1.36E+06	1.10	1.04	44.7	4.67E+02	0.152
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.00	ND	4.67E+02	0.156
PCB-176 22'33'466"-HpCB	32.71	EMPC	1.0324	1.0324	0	4.04E+05	1.24	1.11	12.4	4.67E+02	0.141
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.05	ND	4.67E+02	0.15
PCB-178 22'33'55'6"-HpCB	34.28		1.0816	1.0818	+0.4	5.46E+05	1.19	0.80	23.2	4.67E+02	0.196
PCB-175 22'33'45'6"-HpCB	34.81		1.0985	1.0988	+0.6	1.50E+05	1.04	0.97	5.29	9.97E+02	0.347
PCB-187 22'34'55'6"-HpCB	35.04		1.1057	1.1060	+0.6	4.40E+06	1.03	1.03	145	9.97E+02	0.326
PCB-182 22'344'56"-HpCB	35.20	J	1.1112	1.1109	-0.6	2.69E+04	1.08	1.02	0.894	9.97E+02	0.328
PCB-183 22'344'5'6"-HpCB	35.56		1.1219	1.1223	+0.9	2.18E+06	1.02	1.08	69	9.97E+02	0.312
PCB-185 22'3455'6"-HpCB	35.63		1.1241	1.1245	+0.9	2.19E+05	1.09	0.93	8.01	9.97E+02	0.36
PCB-174 22'33'456"-HpCB	35.74		1.1276	1.1278	+0.4	3.05E+06	1.08	0.84	123	9.97E+02	0.397
PCB-177 22'33'45'6"-HpCB	36.11		1.1393	1.1395	+0.4	1.95E+06	1.08	0.83	79.7	9.97E+02	0.402
PCB-181 22'344'56"-HpCB	36.45		1.1501	1.1504	+0.7	5.08E+04	1.18	0.94	1.84	9.97E+02	0.356
PCB-171/173 ...-HpCB	36.64	C	1.1556	1.1562	+1.3	1.08E+06	1.05	0.84	43.9	9.97E+02	0.398
PCB-172 22'33'455"-HpCB	38.03		0.9003	0.9003	0	3.67E+05	1.01	0.61	10.9	9.97E+02	0.308
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.79	ND	9.97E+02	0.237
PCB-180/193 ...-HpCB	38.57	C	0.9127	0.9132	+1.2	8.48E+06	1.05	0.84	182	9.97E+02	0.223
PCB-191 233'44'5'6"-HpCB	38.87		0.9203	0.9202	-0.2	1.85E+05	0.99	0.80	4.18	9.97E+02	0.234
PCB-170 22'33'44'5"-HpCB	39.61		0.9380	0.9378	-0.5	3.53E+06	1.05	0.70	91.6	9.97E+02	0.269
PCB-190 233'44'56"-HpCB	40.06		0.9486	0.9485	-0.2	8.27E+05	1.04	0.78	19.1	9.97E+02	0.24
PCB-202 22'33'55'66"-OoCB	36.22		1.0006	1.0005	-0.2	4.10E+05	0.85	0.83	16.9	3.98E+02	0.196
PCB-201 22'33'45'66"-OoCB	37.00		1.0221	1.0220	-0.2	2.29E+05	0.95	0.99	7.9	3.98E+02	0.164

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.92	ND	3.98E+02	0.176
PCB-197 22'33'44'66'-OcCB	37.74	J EMPC	1.0431	1.0425	-1.4	3.08E+04	0.69	1.07	0.981	3.98E+02	0.151
PCB-200 22'33'4566'-OcCB	37.83		1.0451	1.0450	-0.2	2.15E+05	0.80	0.86	8.57	3.98E+02	0.19
PCB-198/199 ...-OcCB	40.22	C	1.1102	1.1110	+1.9	1.44E+06	0.93	0.69	70.8	3.98E+02	0.234
PCB-196 22'33'44'56'-OcCB	40.77		1.1260	1.1262	+0.5	5.31E+05	0.91	0.70	25.8	3.98E+02	0.231
PCB-203 22'344'55'6-OcCB	40.94		1.1306	1.1308	+0.5	9.43E+05	0.87	0.77	42.1	3.98E+02	0.212
PCB-195 22'33'44'56-OcCB	42.04		0.9469	0.9467	-0.5	4.71E+05	0.91	0.67	20.8	8.31E+02	0.407
PCB-194 22'33'44'55'-OcCB	44.03		0.9915	0.9915	0	1.47E+06	0.92	0.74	58.5	8.31E+02	0.367
PCB-205 233'44'55'6-OcCB	44.43		1.0004	1.0004	0	8.15E+04	0.92	1.09	2.21	8.31E+02	0.25
PCB-208 22'33'455'66'-NoCB	41.85		1.0005	1.0005	0	4.07E+05	0.81	0.98	14.4	8.50E+02	0.388
PCB-207 22'33'44'566'-NoCB	42.64		1.0192	1.0193	+0.3	1.40E+05	0.79	1.01	4.78	8.50E+02	0.373
PCB-206 22'33'44'55'6-NoCB	45.90		1.0004	1.0004	0	9.69E+05	0.76	0.93	44.3	8.50E+02	0.471

AP Lab ID: A4371_9893_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

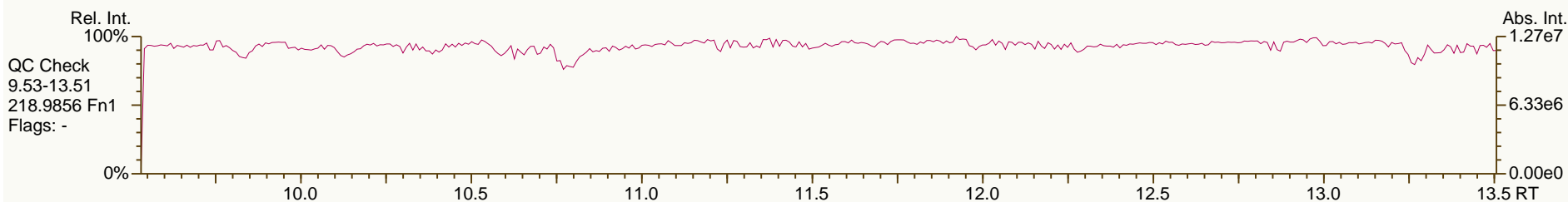
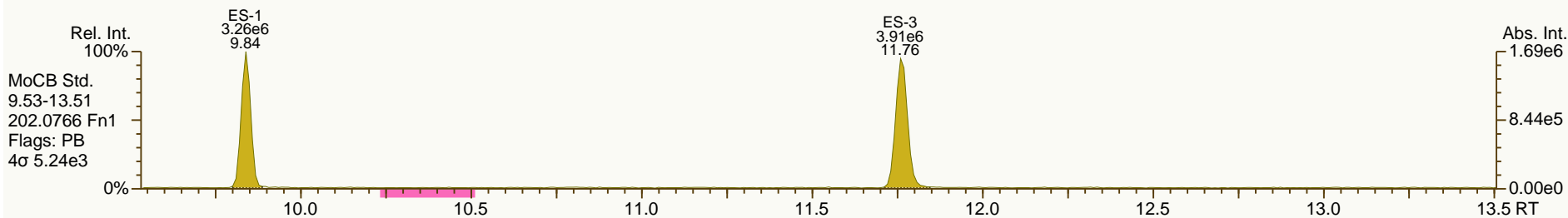
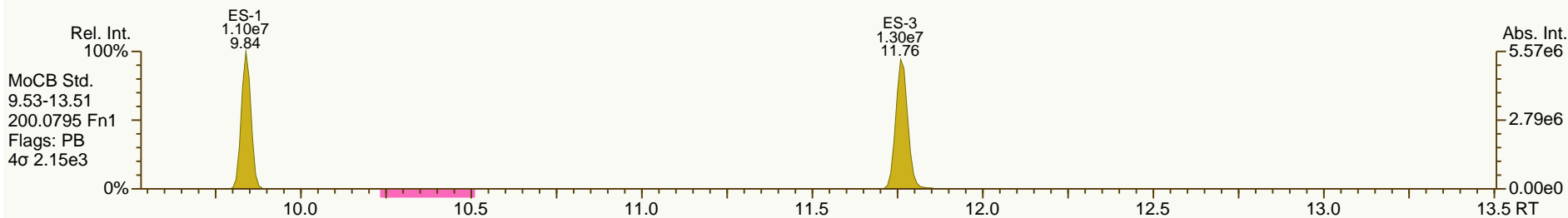
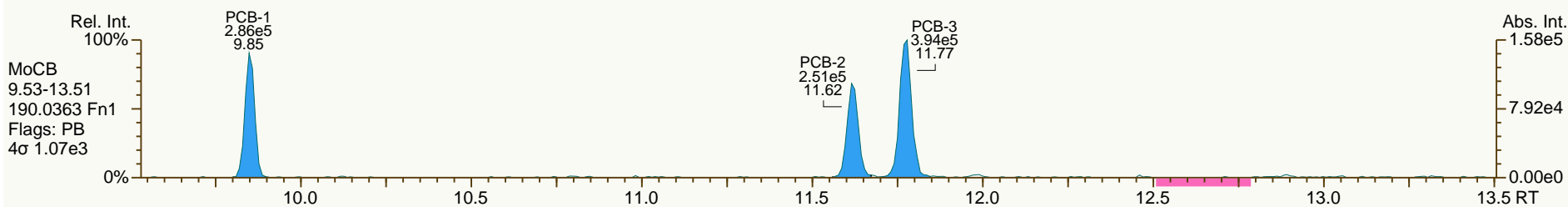
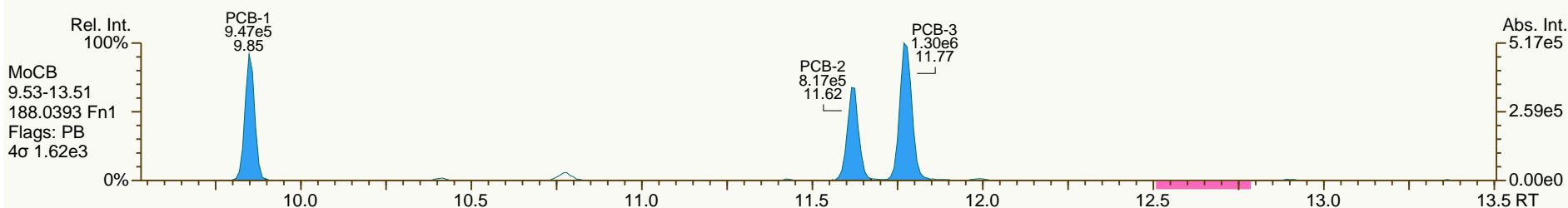
Acq: 05-Jul-2012 15:31:06
User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

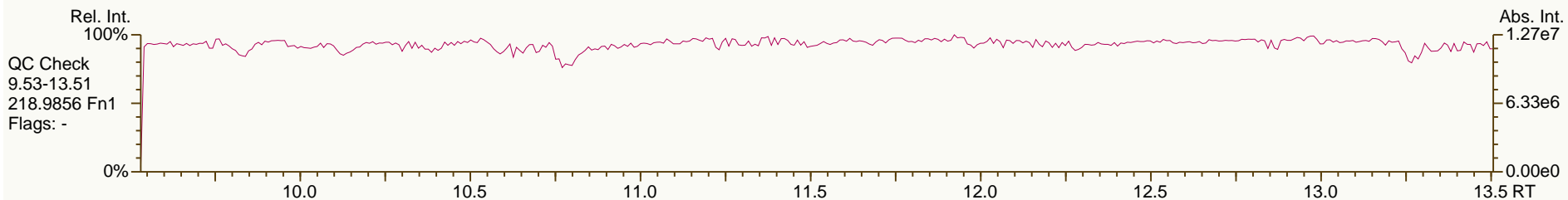
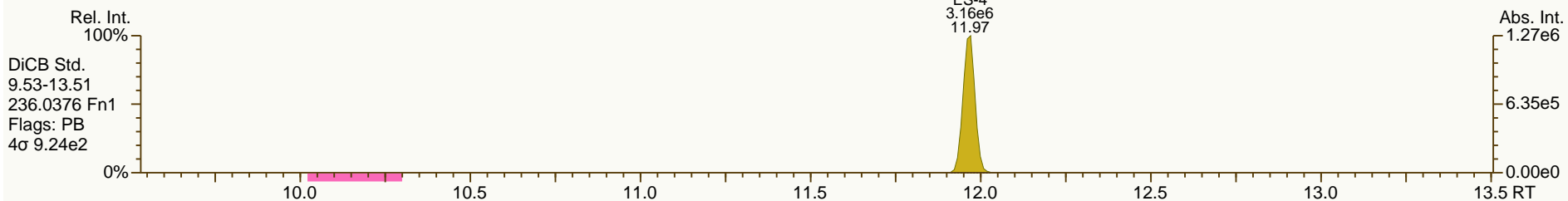
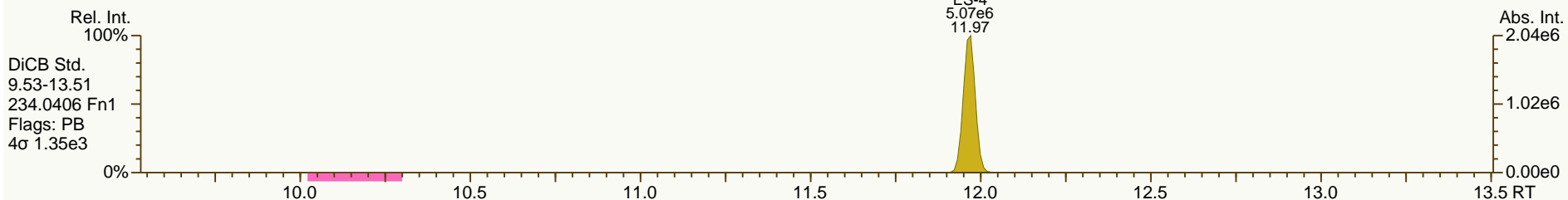
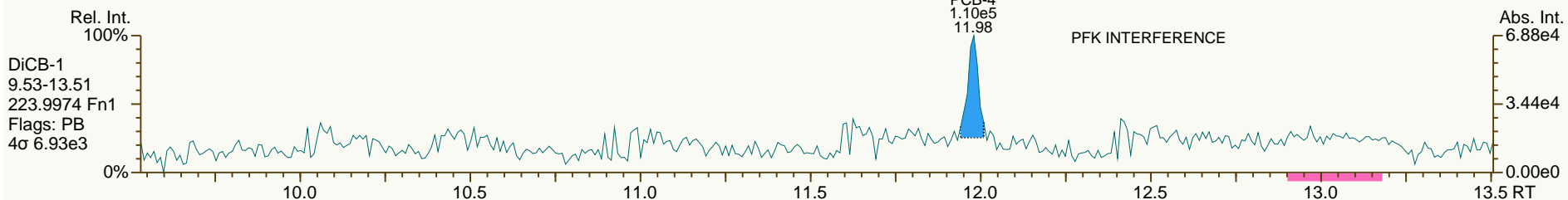
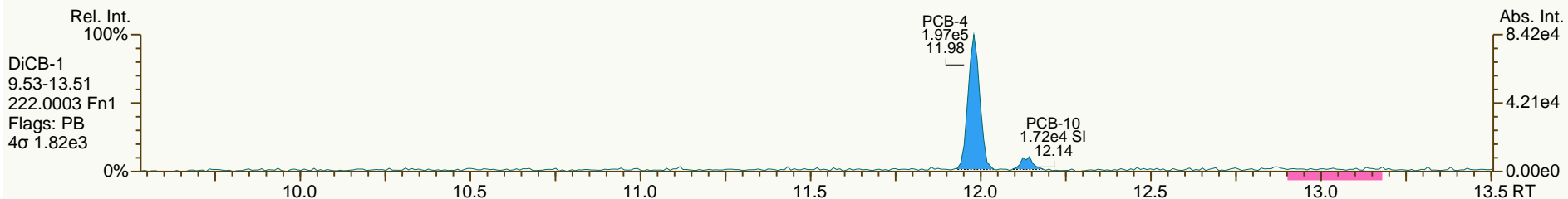
Acq: 05-Jul-2012 15:31:06
User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

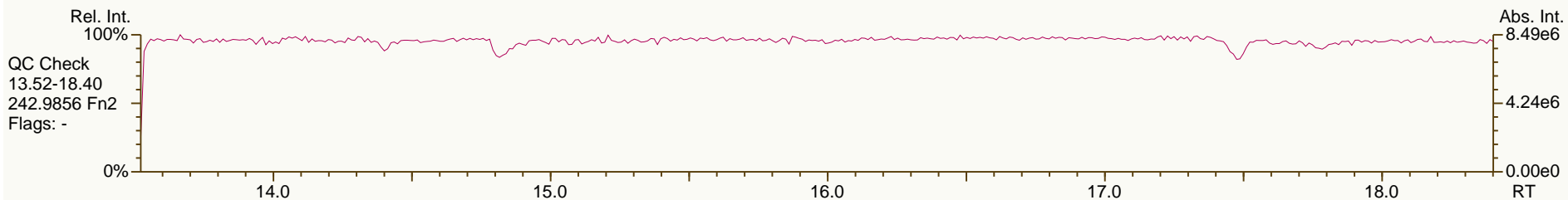
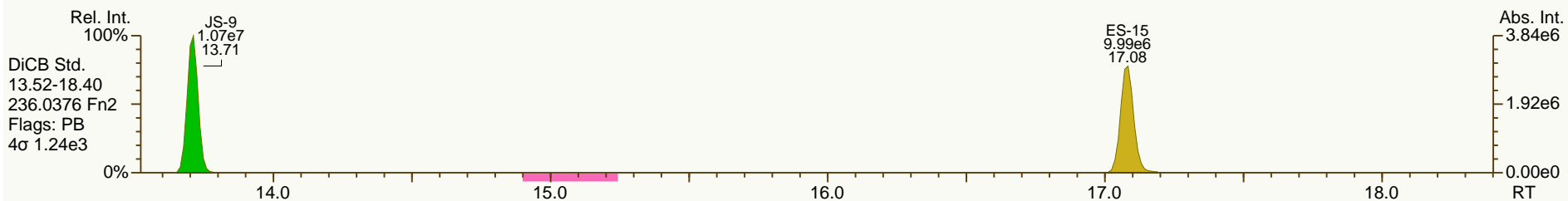
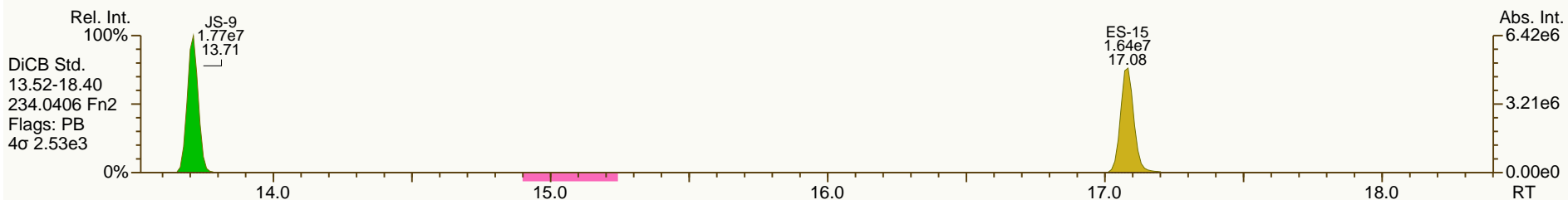
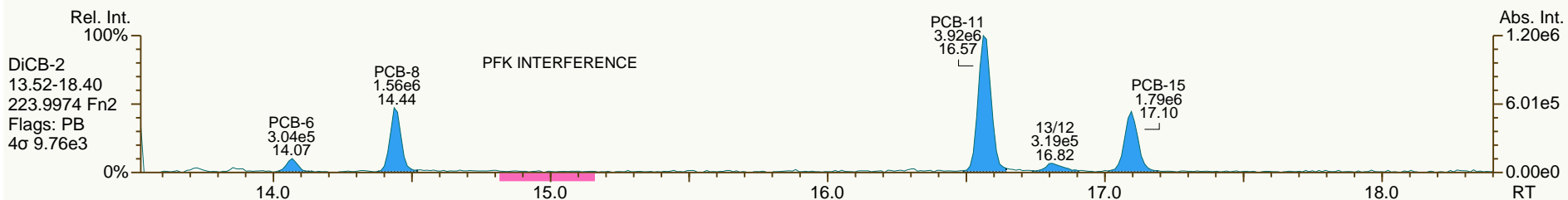
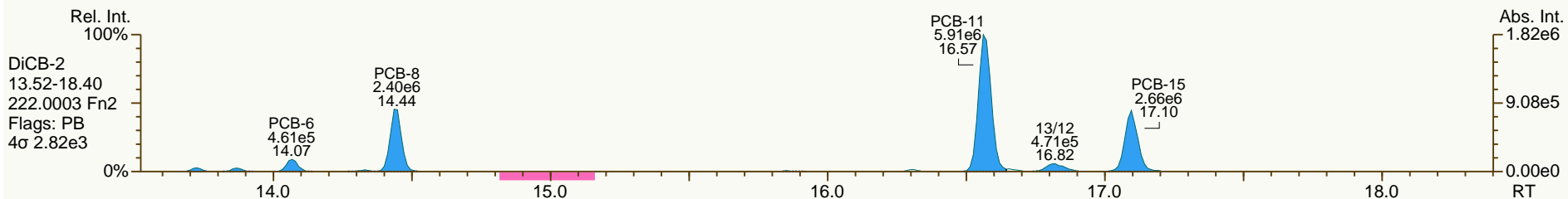
Acq: 05-Jul-2012 15:31:06
 User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

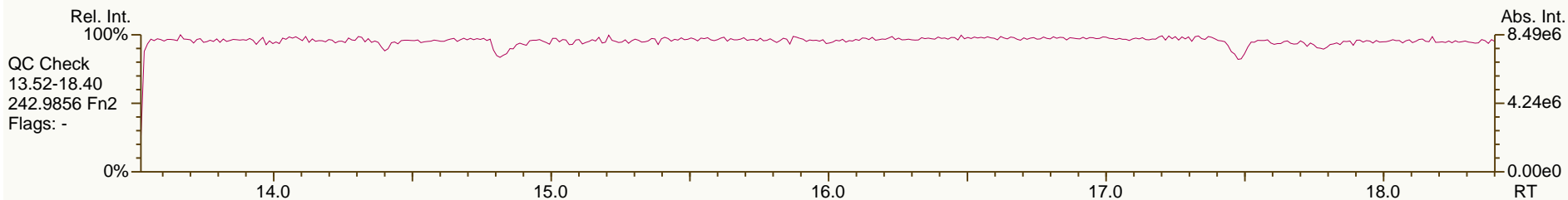
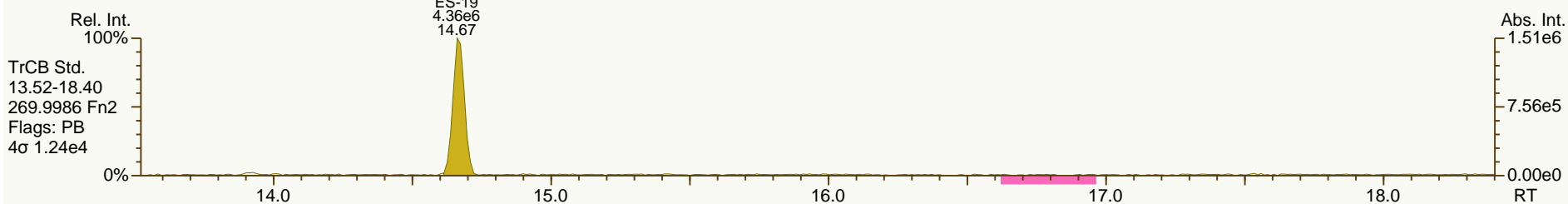
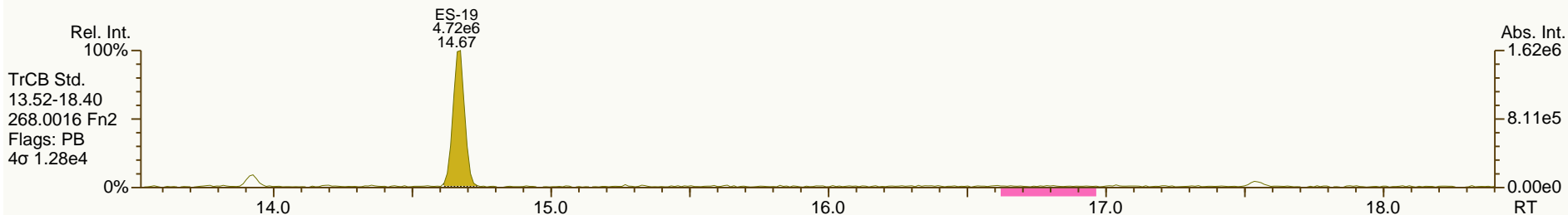
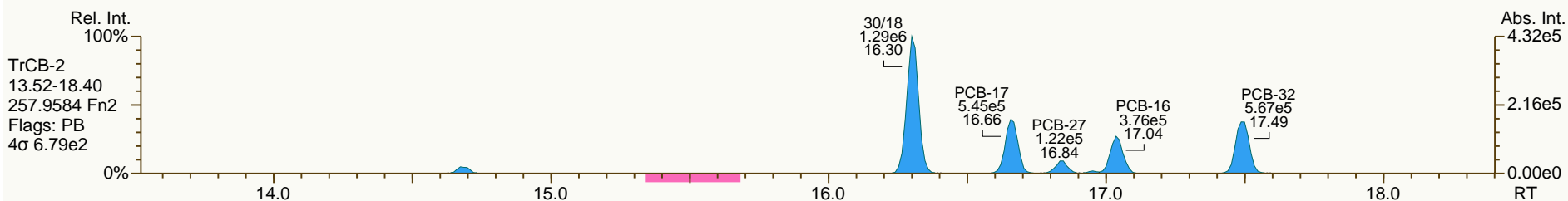
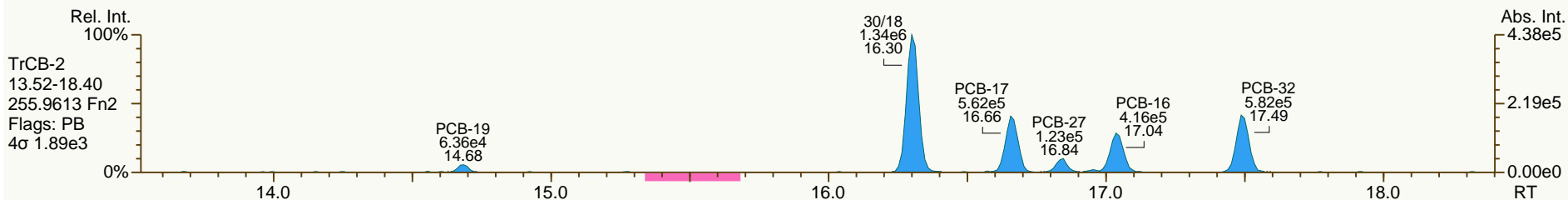
Acq: 05-Jul-2012 15:31:06
 User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

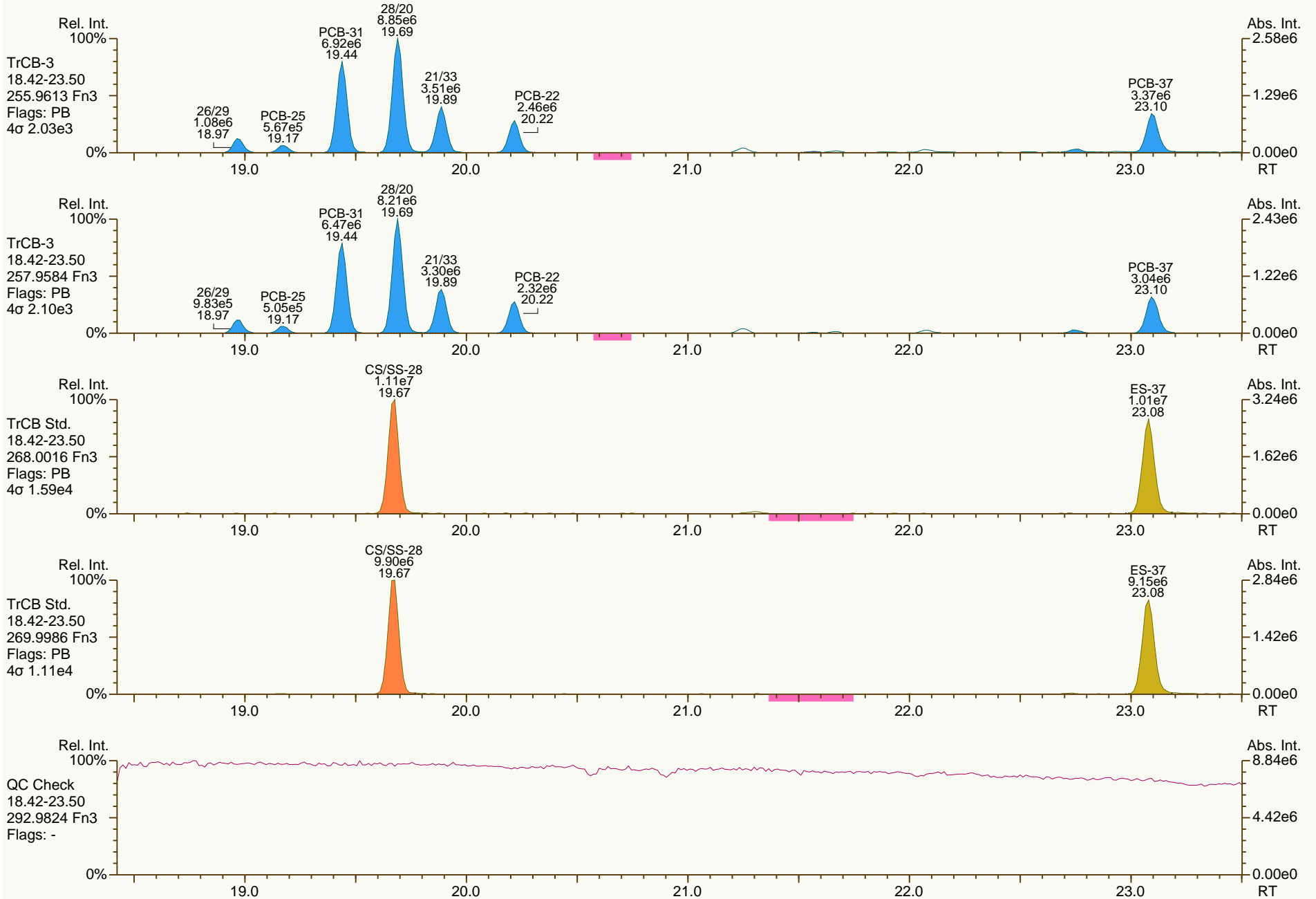
Acq: 05-Jul-2012 15:31:06
User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

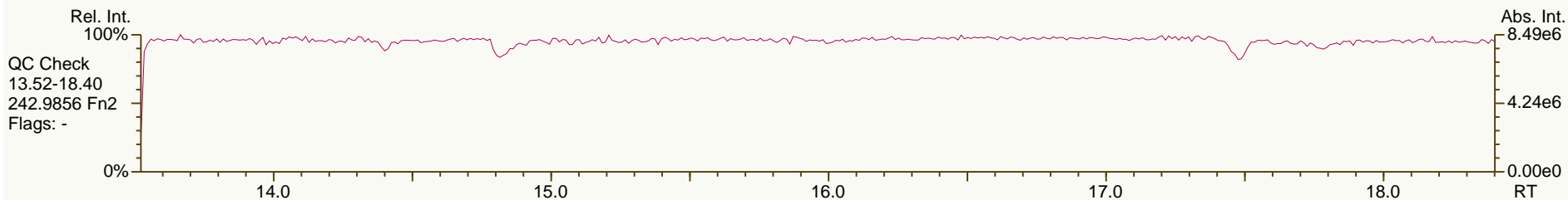
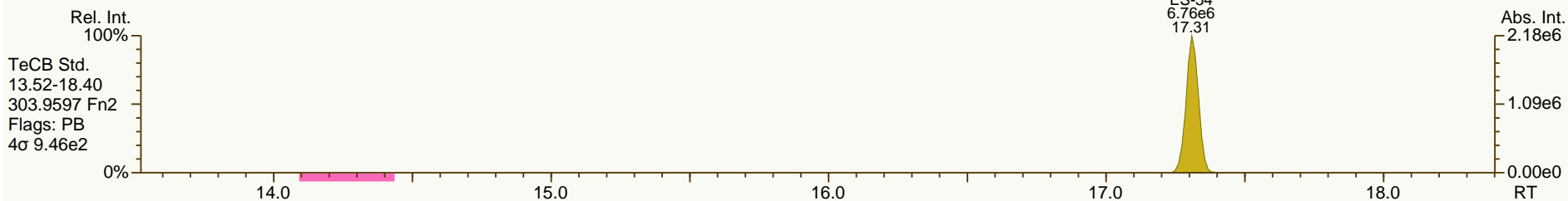
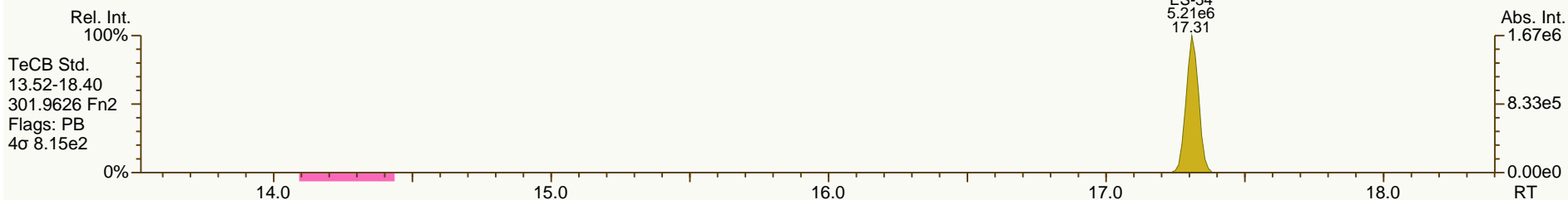
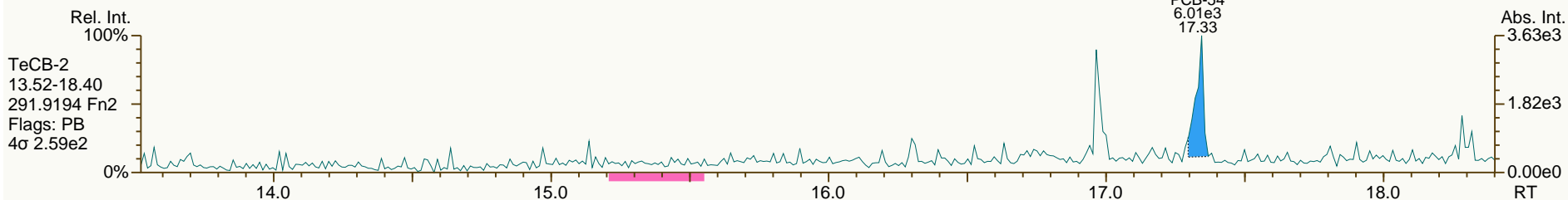
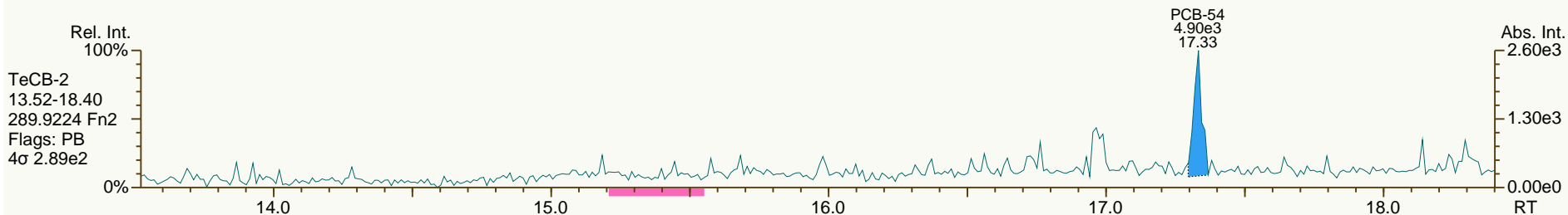
Acq: 05-Jul-2012 15:31:06
 User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

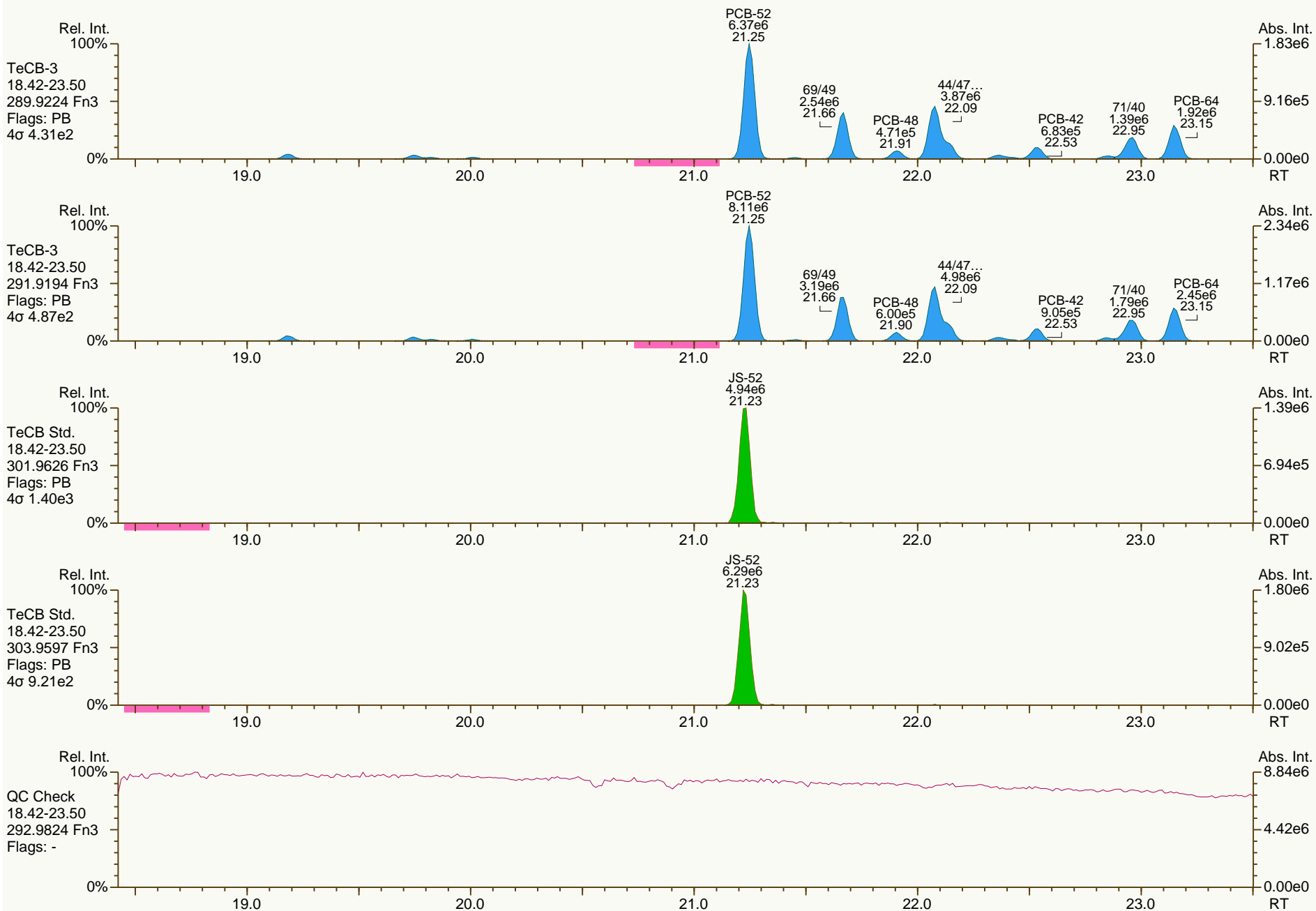
Acq: 05-Jul-2012 15:31:06
 User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

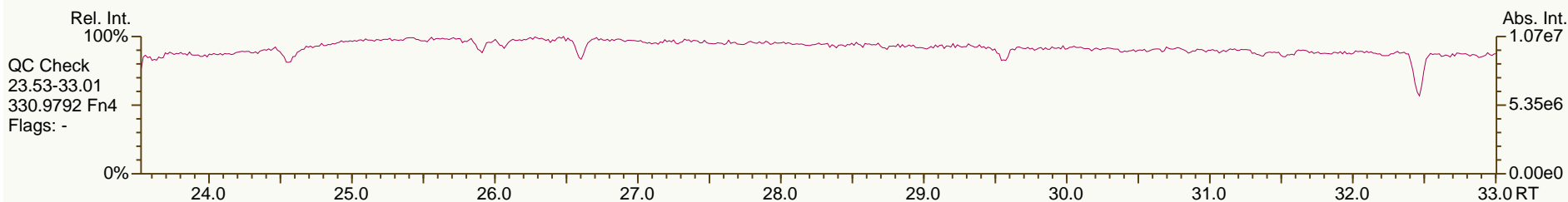
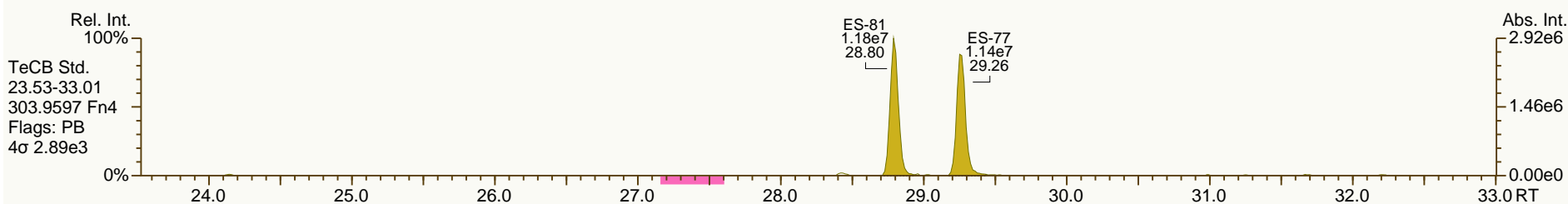
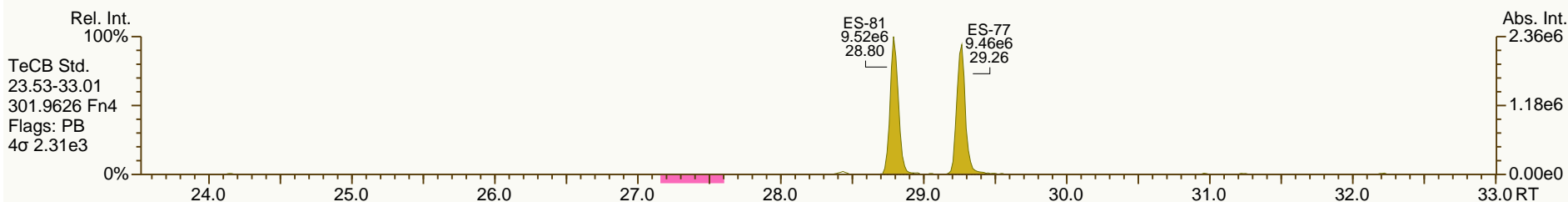
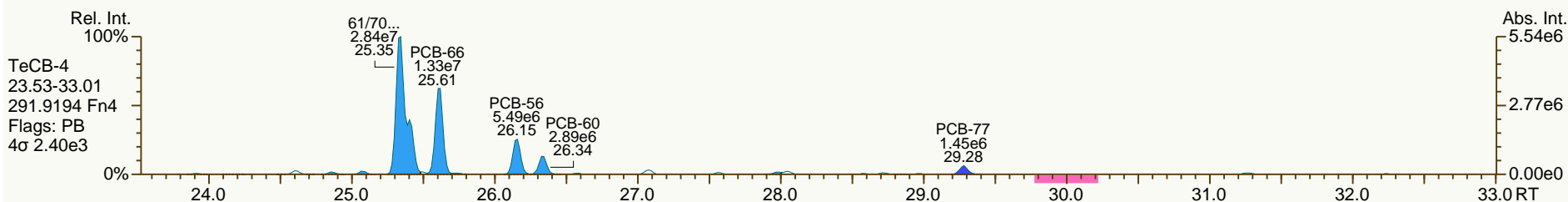
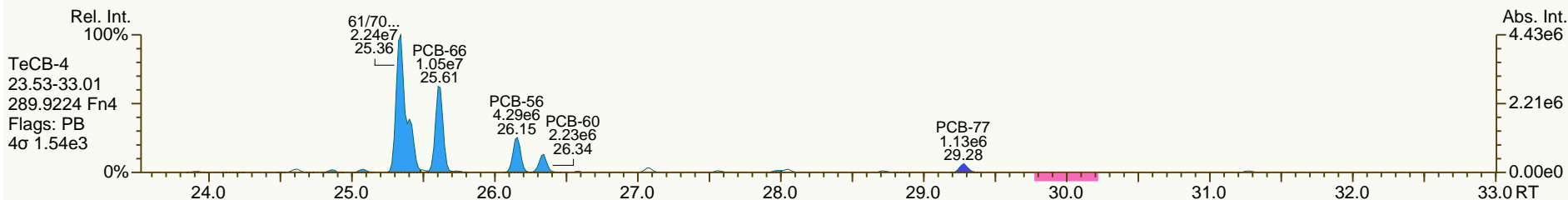
Acq: 05-Jul-2012 15:31:06
 User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

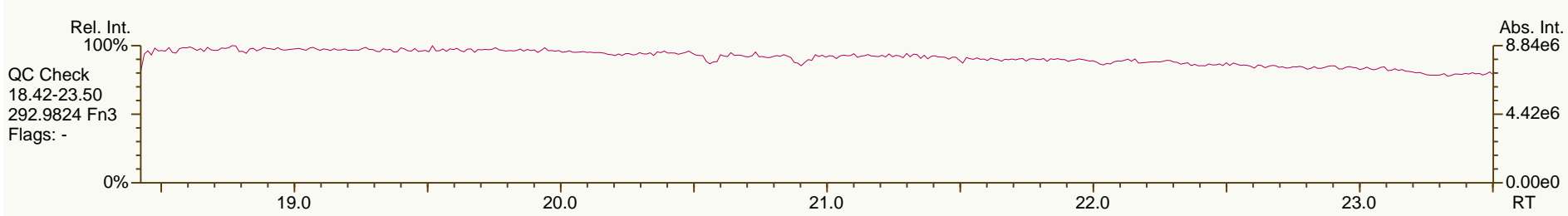
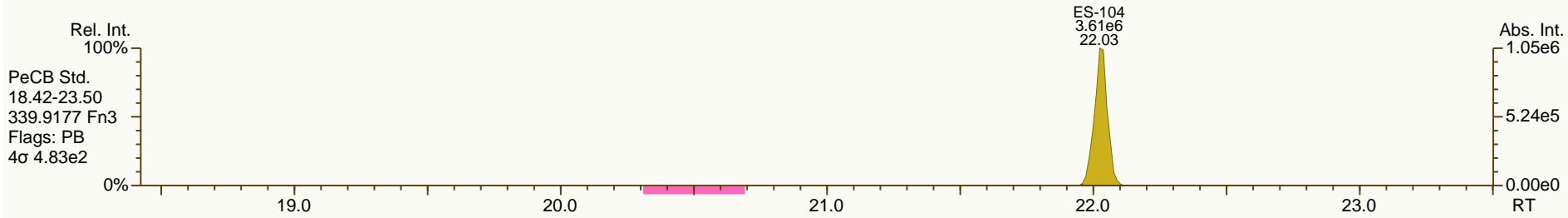
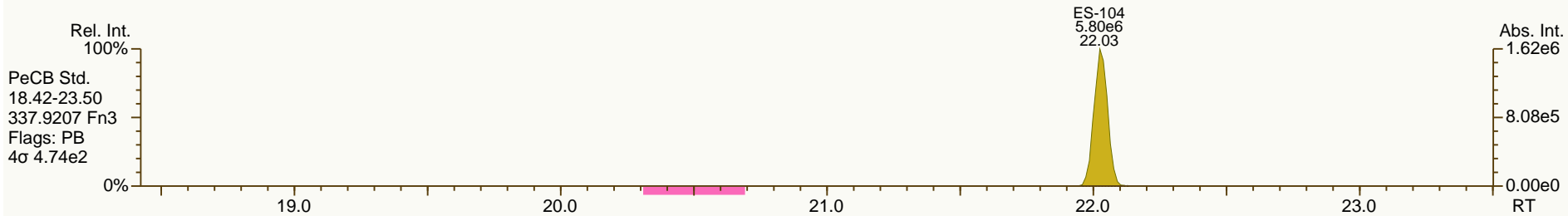
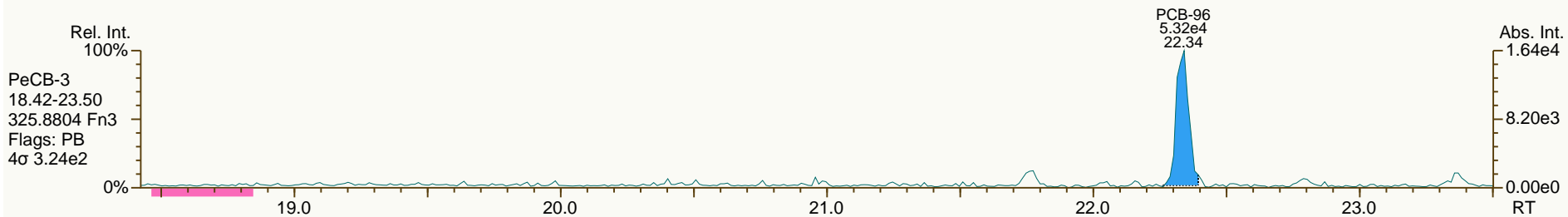
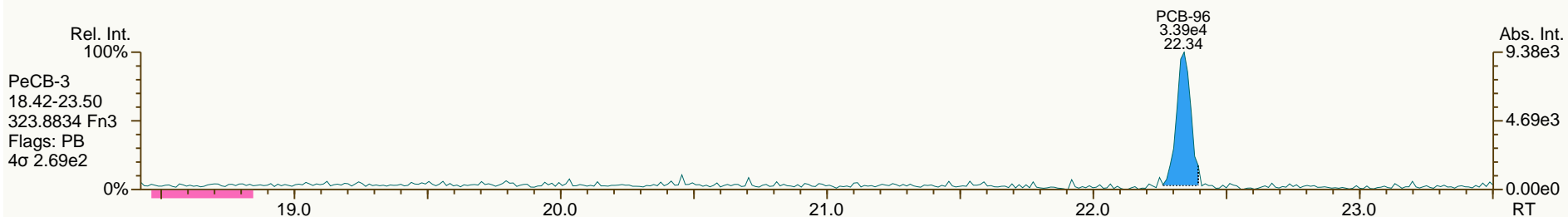
Acq: 05-Jul-2012 15:31:06
User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

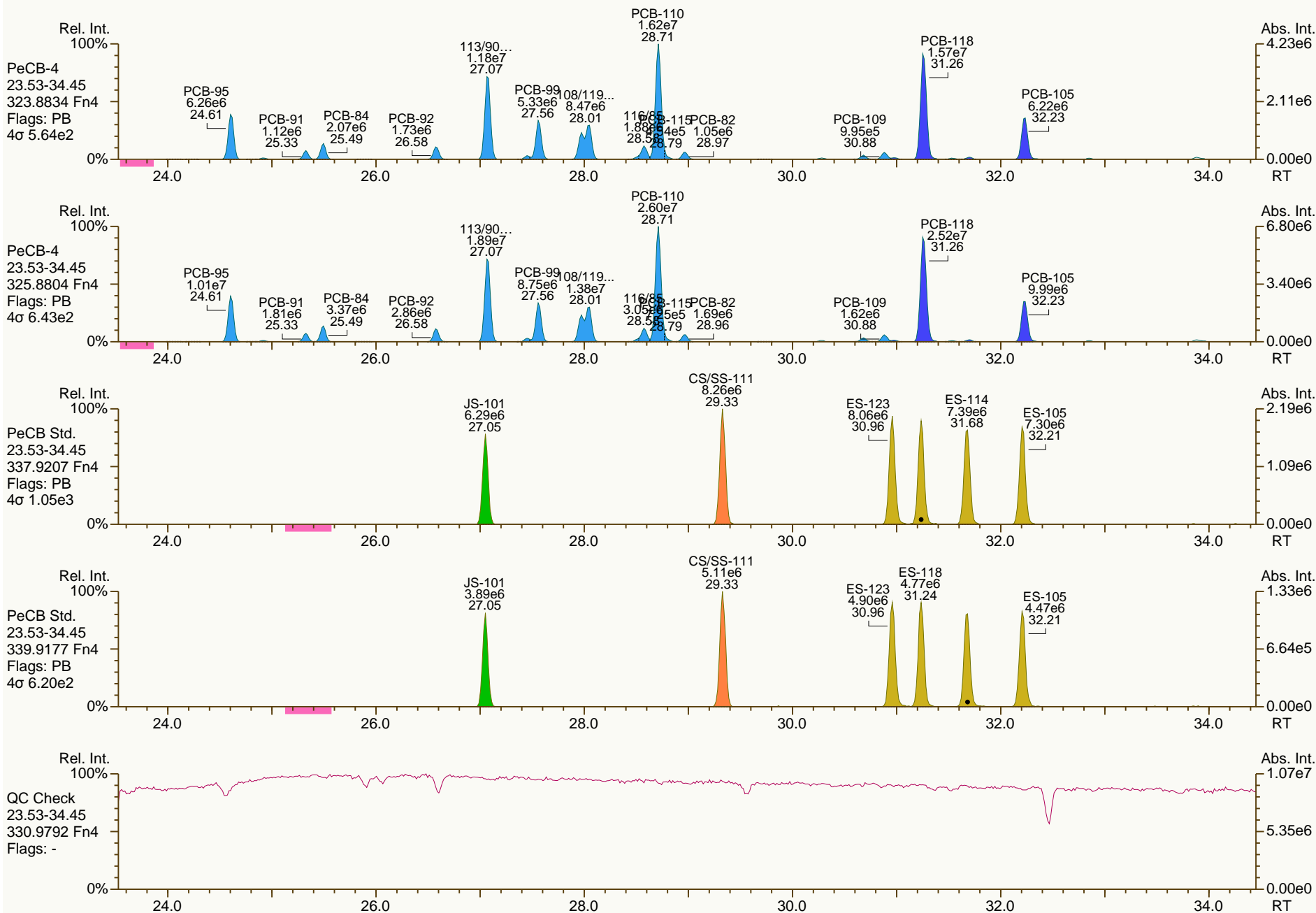
Acq: 05-Jul-2012 15:31:06
 User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

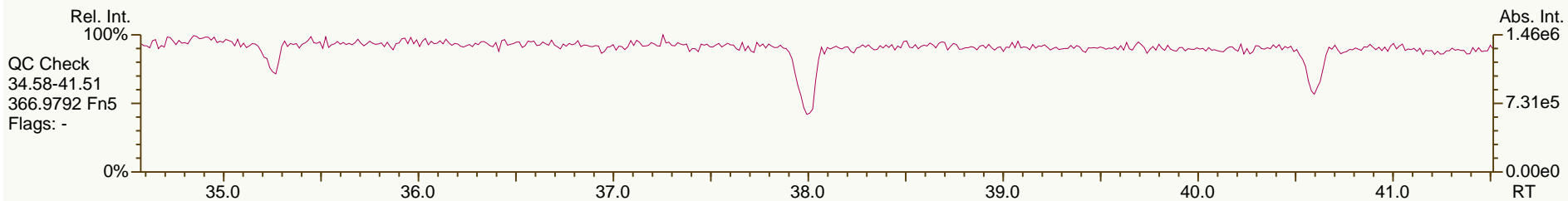
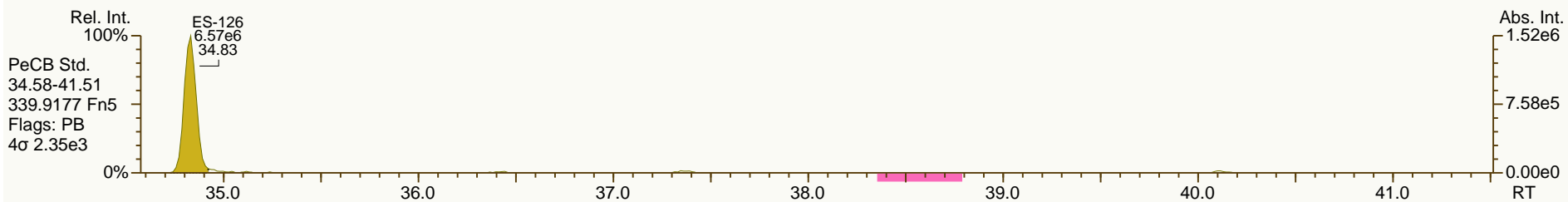
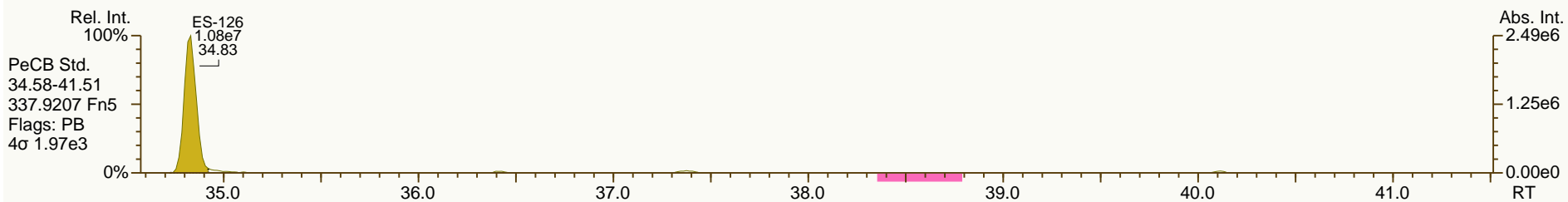
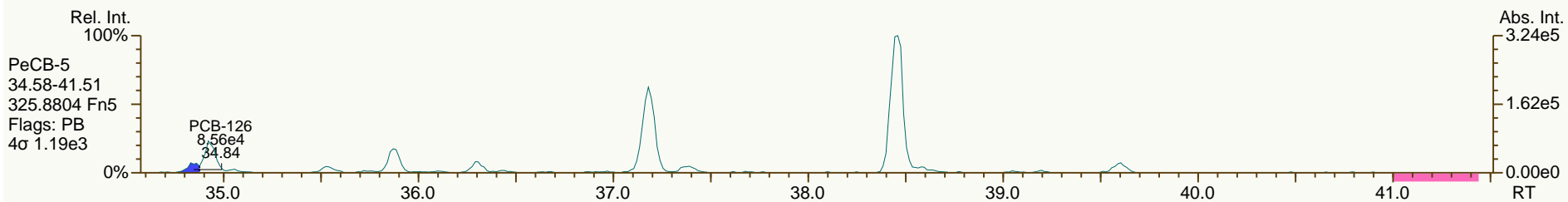
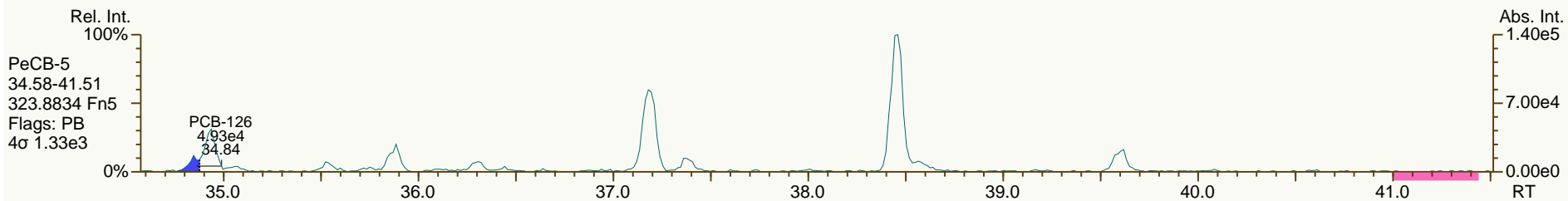
Acq: 05-Jul-2012 15:31:06
 User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

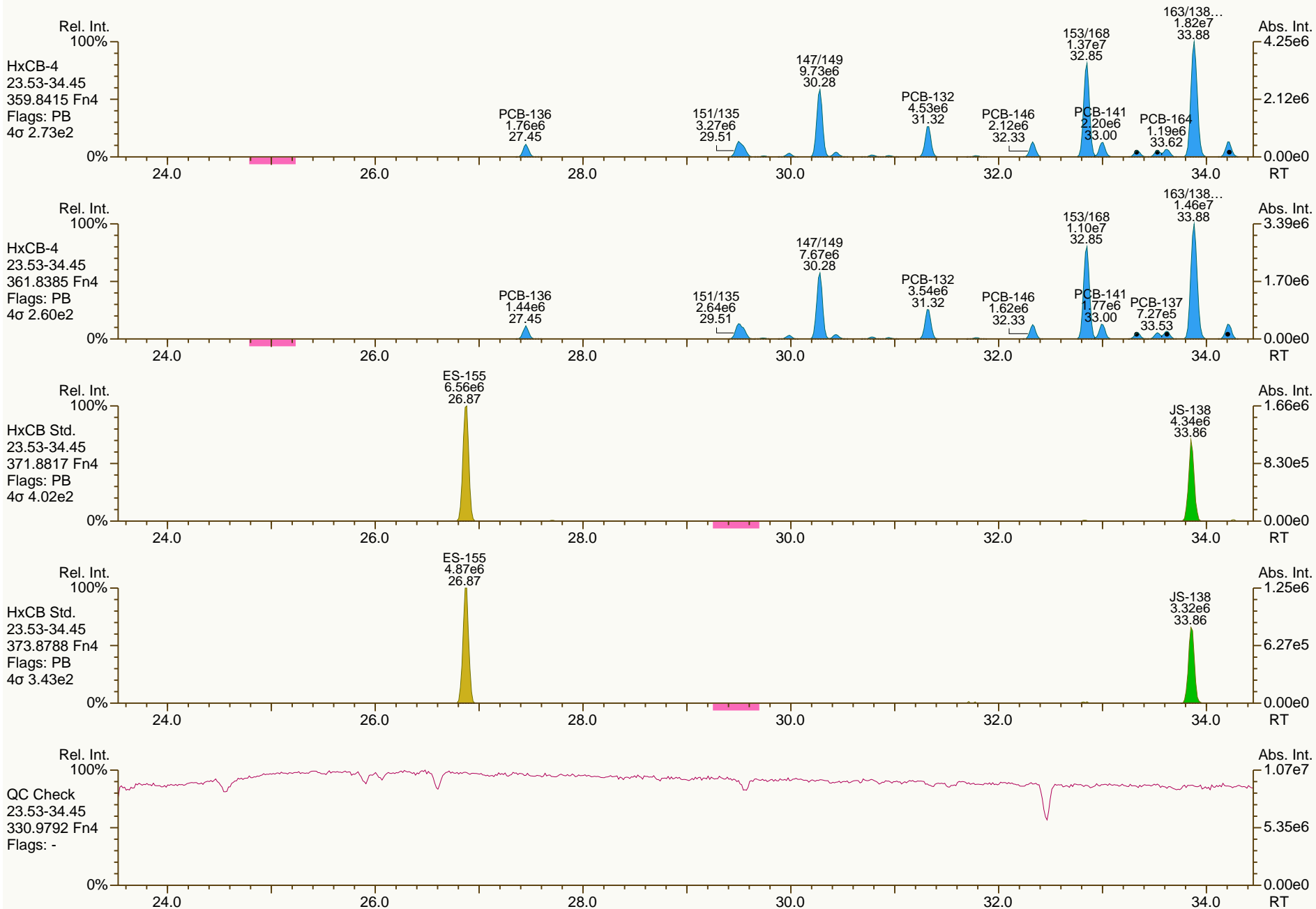
Acq: 05-Jul-2012 15:31:06
 User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

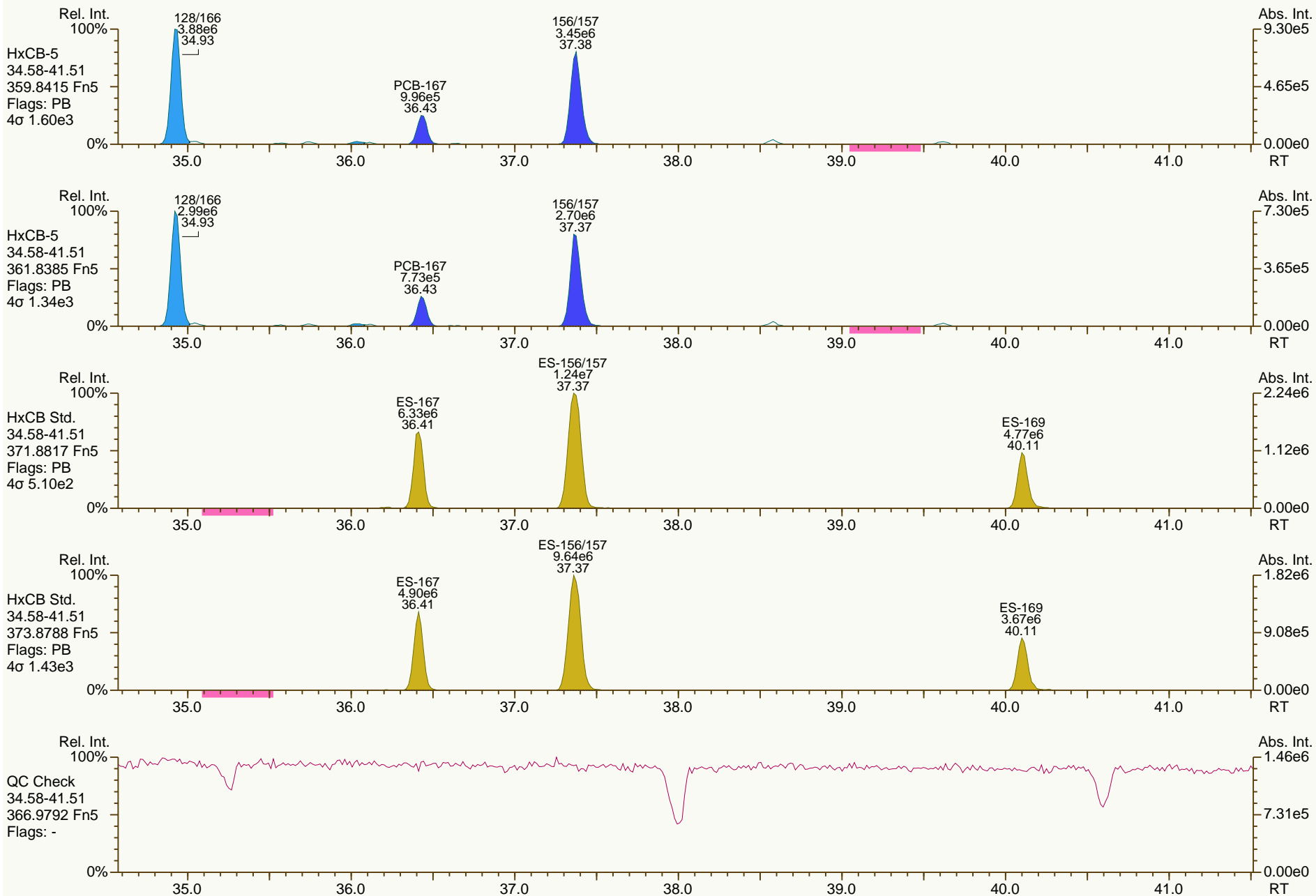
Acq: 05-Jul-2012 15:31:06
 User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

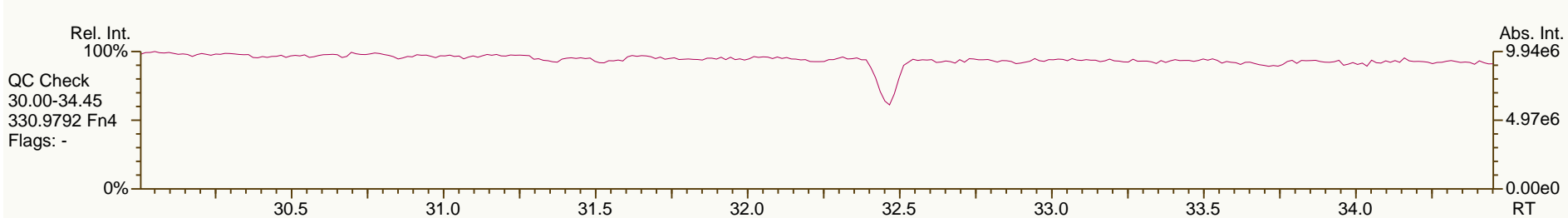
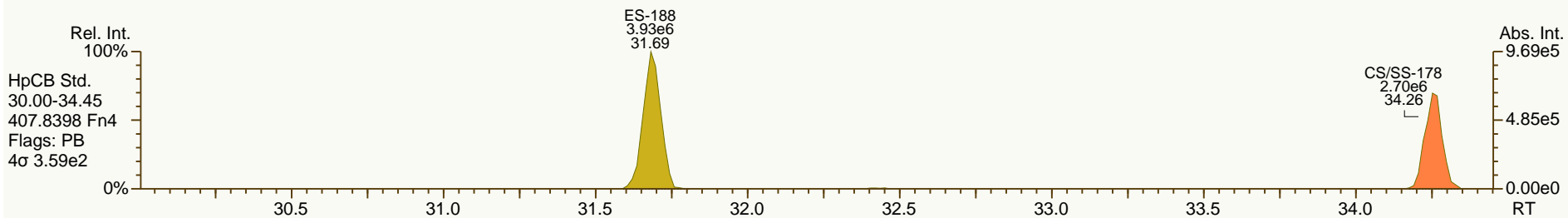
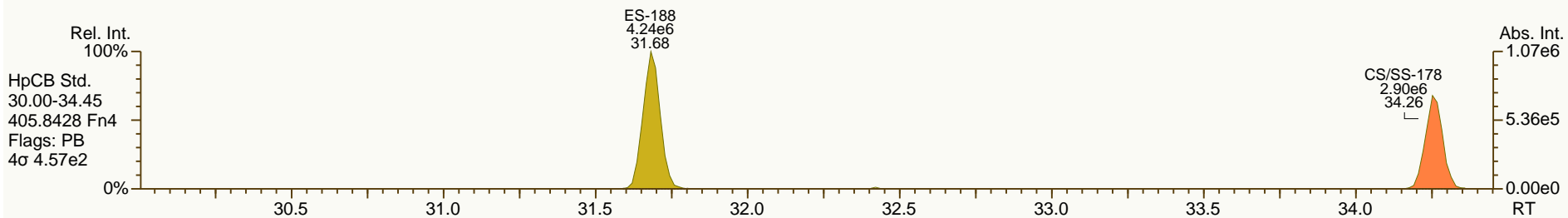
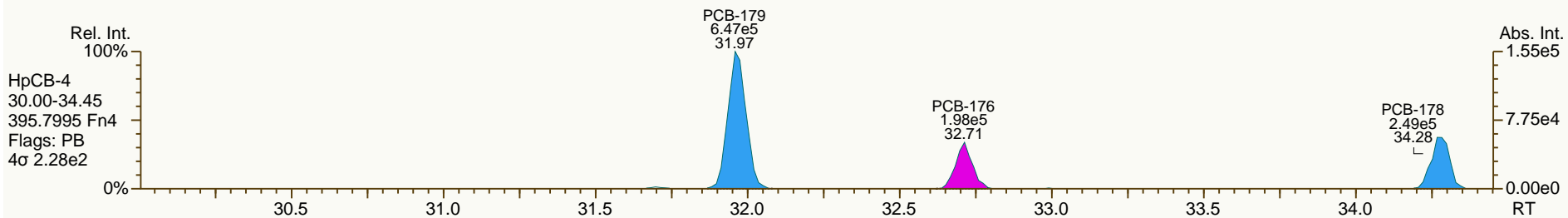
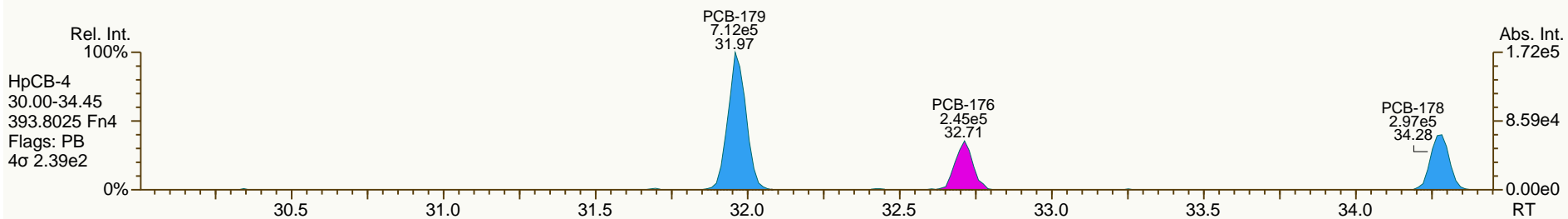
Acq: 05-Jul-2012 15:31:06
 User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

Acq: 05-Jul-2012 15:31:06
 User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

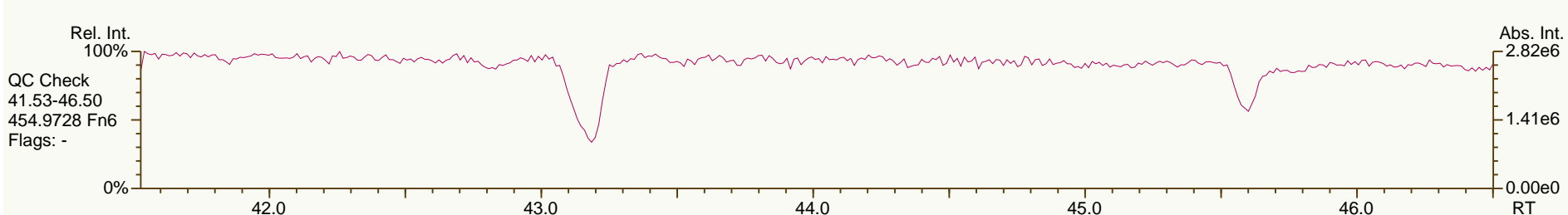
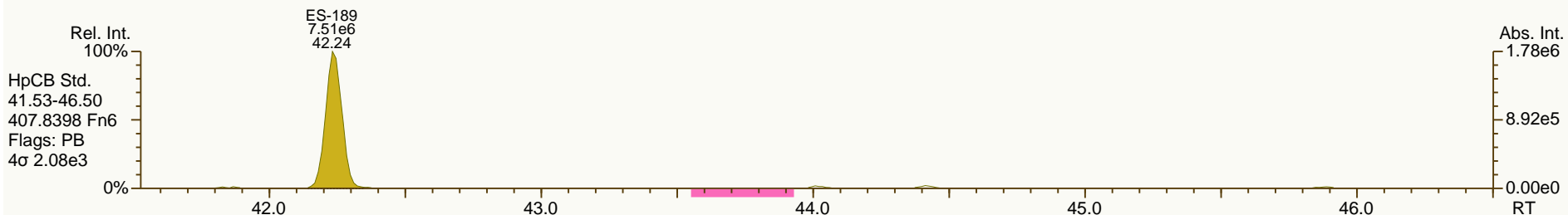
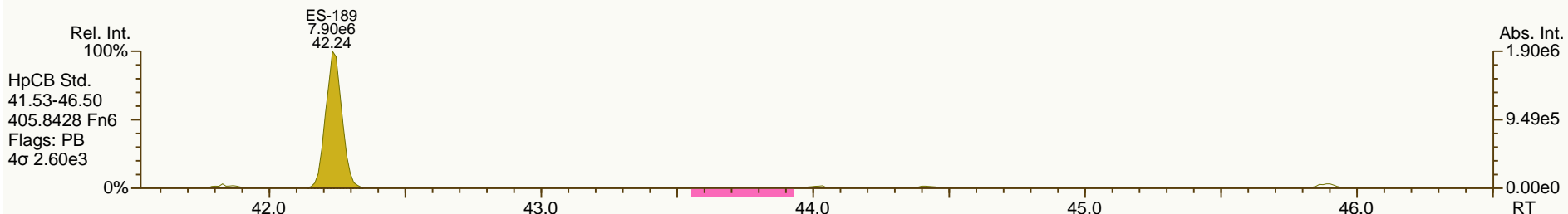
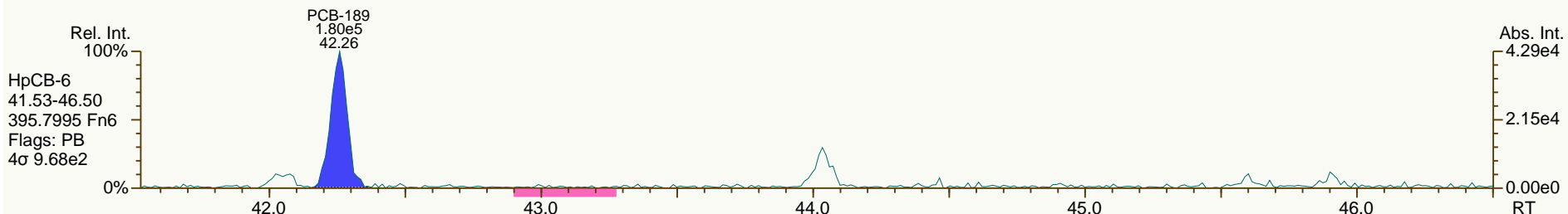
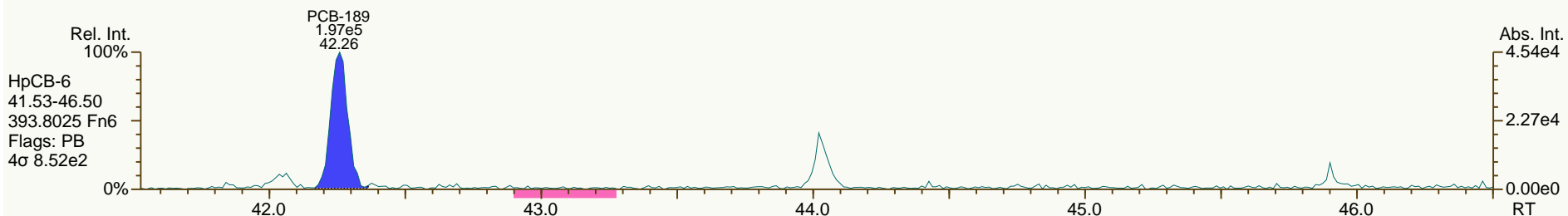
Acq: 05-Jul-2012 15:31:06
 User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

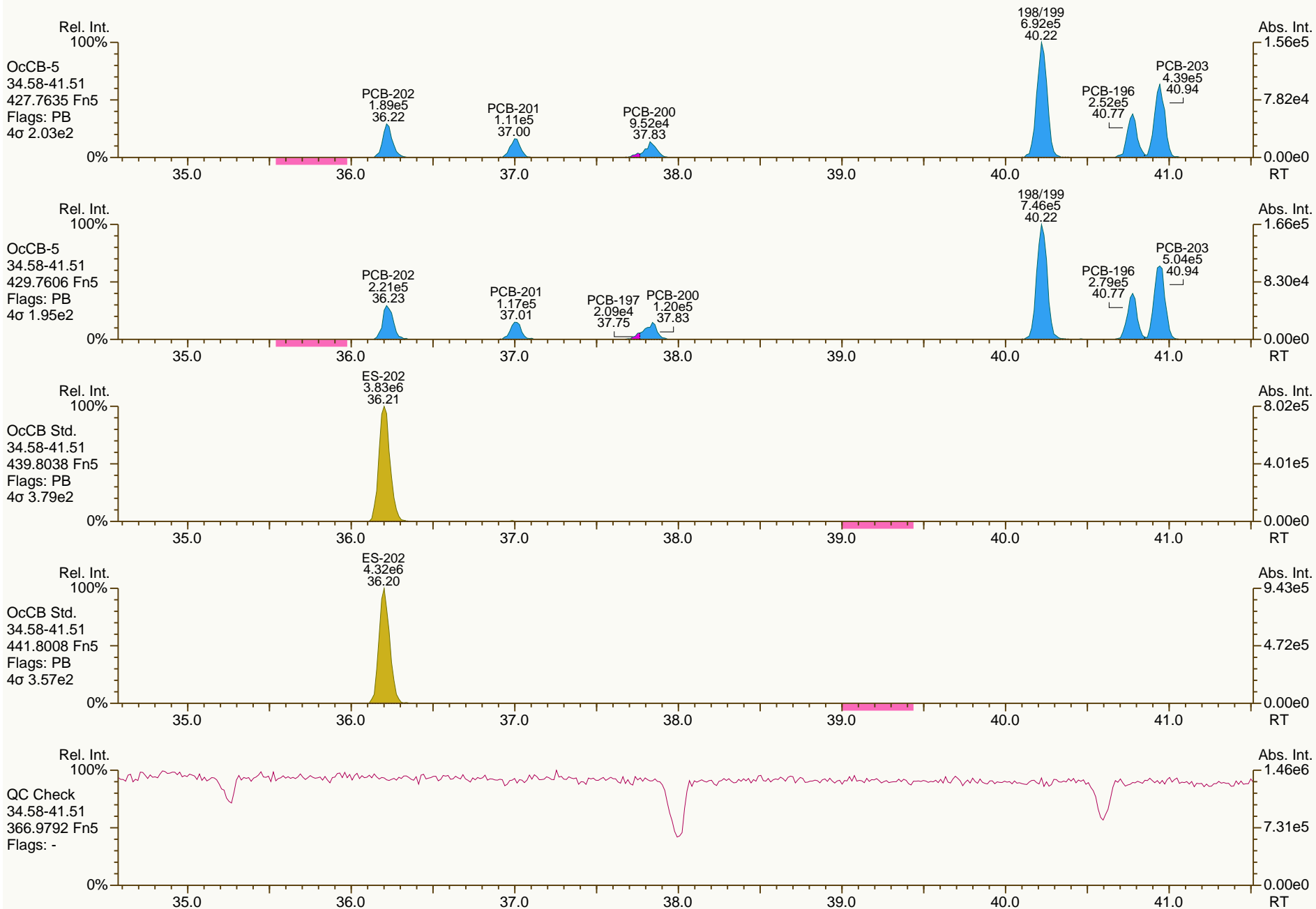
Acq: 05-Jul-2012 15:31:06
 User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

Acq: 05-Jul-2012 15:31:06
 User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

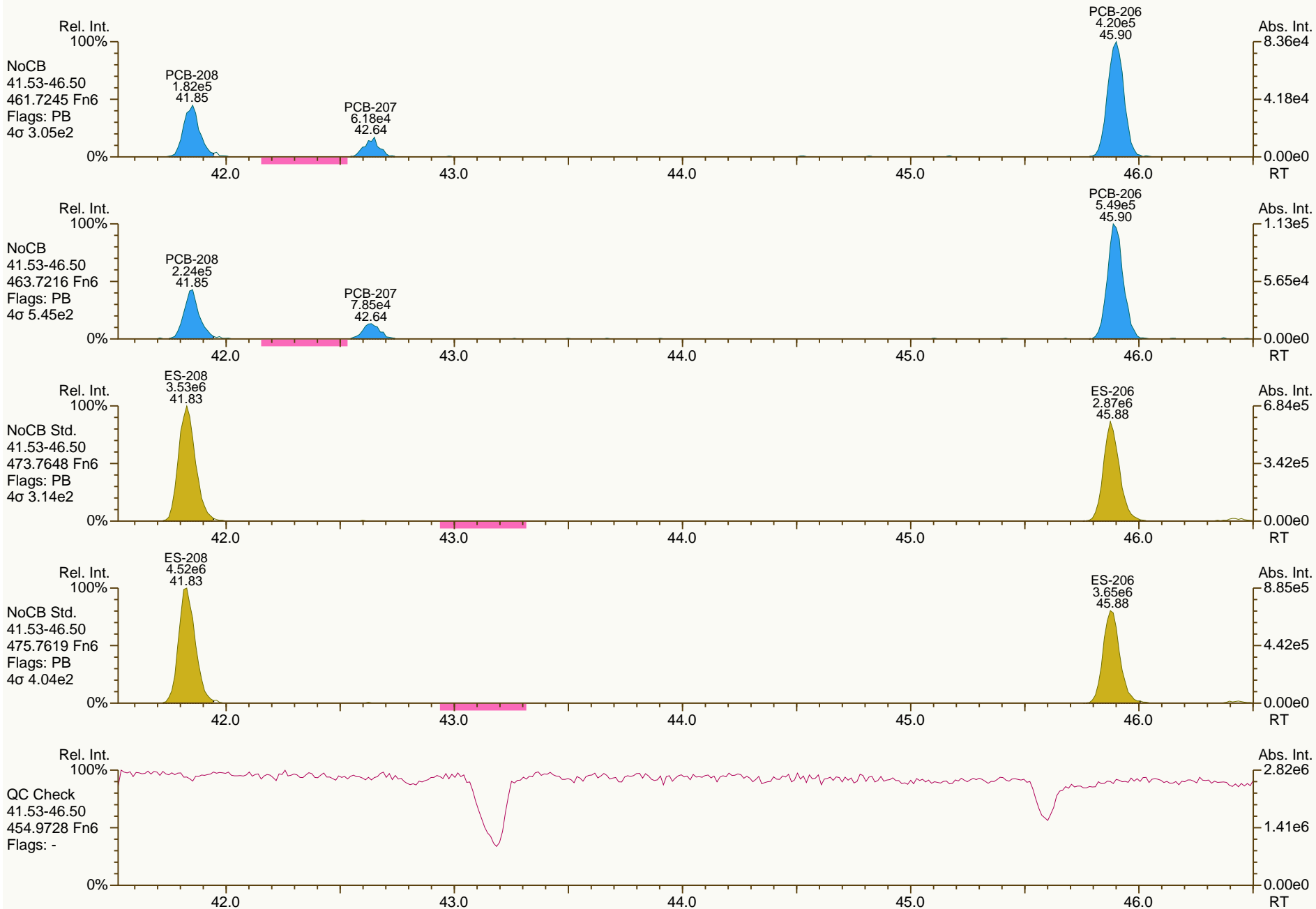
Acq: 05-Jul-2012 15:31:06
 User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

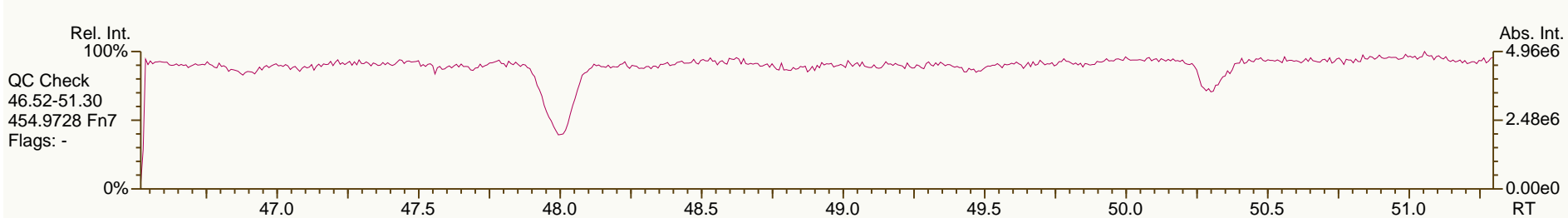
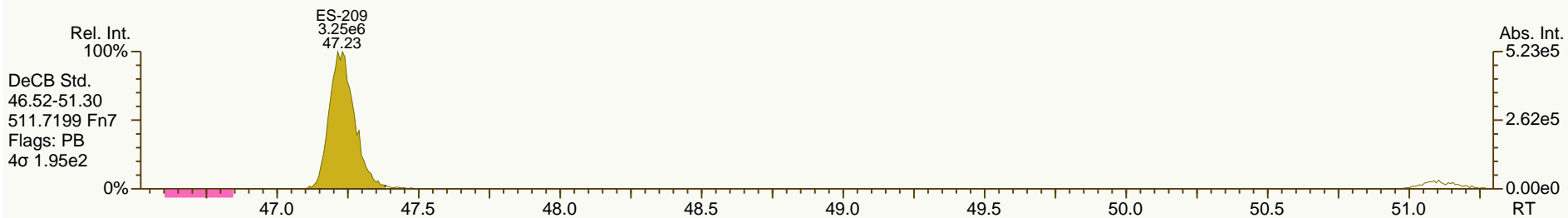
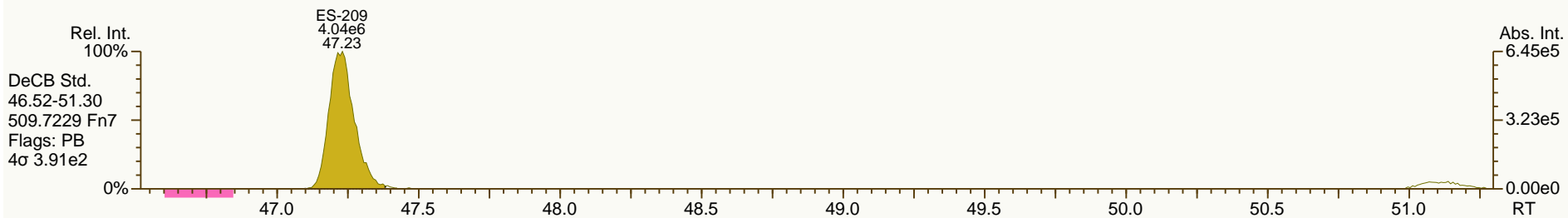
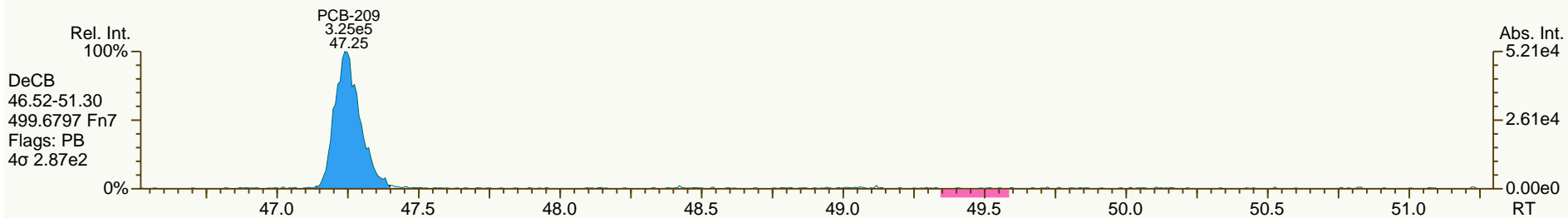
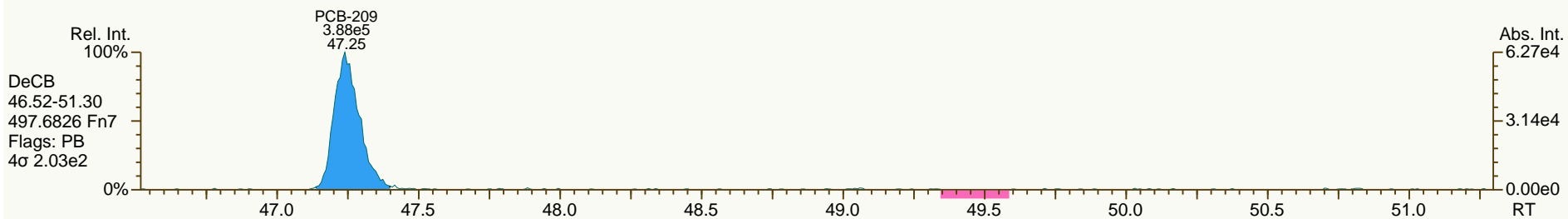
Acq: 05-Jul-2012 15:31:06
 User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

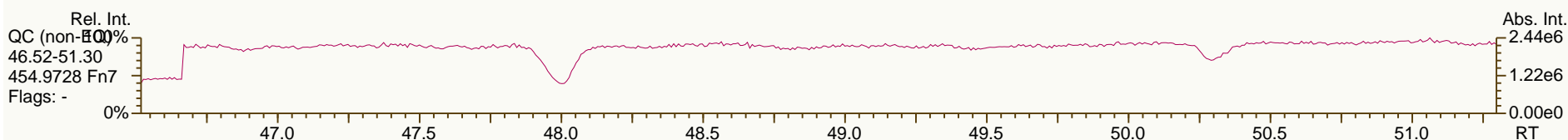
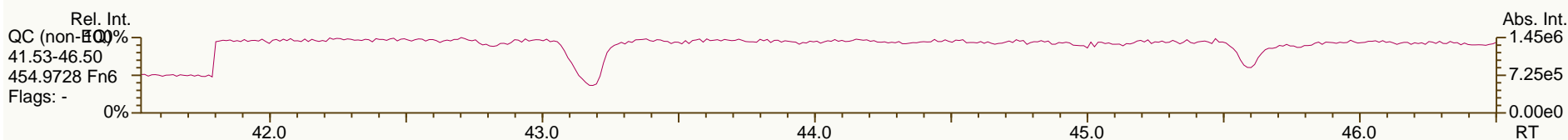
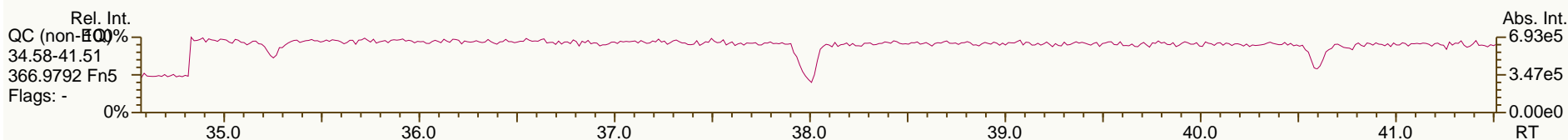
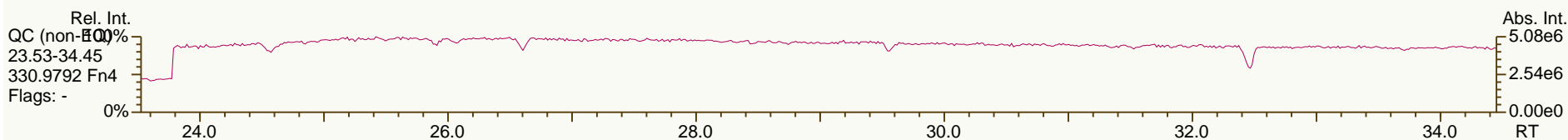
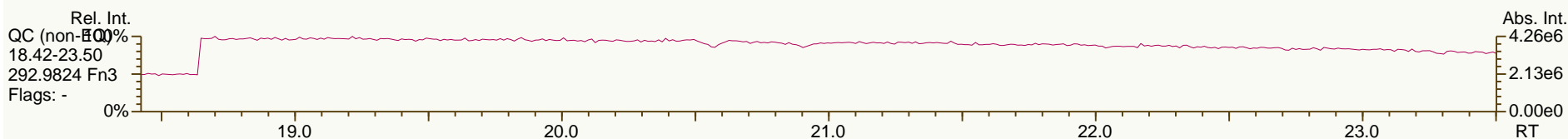
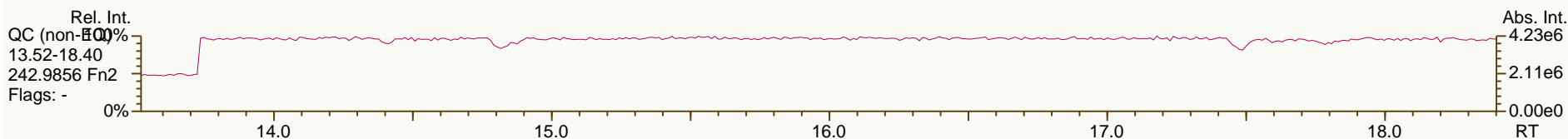
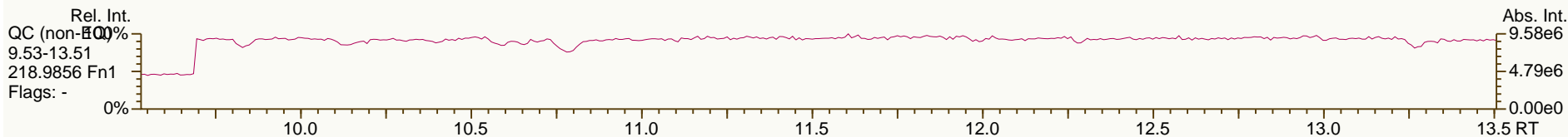
Acq: 05-Jul-2012 15:31:06
 User: LKB Datafile: 120705S05



AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

Acq: 05-Jul-2012 15:31:06
 User: LKB Datafile: 120705S05



Lab ID: A4371_9893_PCB_002-RJ

ACQ: 05-Jul-2012 16:26:10 LKB Wt/Vol: 8.15 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120705_PCB_SA

Client ID: JW-EA08-COMP-120507

UTP: 09-Jul-2012 15:08 LKB

J-level: 1.23 pg/g Split: 1

Checkcode: 132-138-LZY

Datafile: 120705S06

RPT: 09-Jul-2012 15:32 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.28		1.0006	1.0006	0	8.71E+05	0.79	1.22	15.1	2.24E+03	0.415
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	2.24E+03	0.39
PCB-105 233'44'-PeCB	32.22		1.0007	1.0007	0	3.17E+06	0.60	1.03	109	1.16E+03	0.422
PCB-114 2344'5'-PeCB	31.69		1.0007	1.0006	-0.2	1.48E+05	0.65	1.10	4.88	1.16E+03	0.395
PCB-118 23'44'5'-PeCB	31.25		1.0008	1.0007	-0.2	8.06E+06	0.61	1.03	264	1.16E+03	0.374
PCB-123 23'44'5'-PeCB	30.98		1.0007	1.0007	0	1.18E+05	0.63	0.93	4.32	1.16E+03	0.459
PCB-126 33'44'5'-PeCB	34.82	J	1.0005	1.0002	-0.6	3.14E+04	0.70	1.11	0.673	1.91E+03	0.428
PCB-156/157 ...-HxCB	37.36	C	1.0005	1.0002	-0.7	9.16E+05	1.30	1.05	35.3	1.41E+03	0.725
PCB-167 23'44'55'-HxCB	36.42		1.0006	1.0005	-0.2	2.89E+05	1.23	1.08	10.2	1.41E+03	0.479
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.41E+03	0.593
PCB-189 233'44'55'-HpCB	42.24		1.0005	1.0005	0	7.13E+04	0.95	1.11	1.73	1.44E+03	0.367
PCB-209 DeCB	47.23		1.0004	1.0004	0	1.91E+05	1.11	1.05	10.7	1.11E+03	0.927
ES PCB-1	9.84		0.7181	0.7176	-0.3	8.04E+06	3.44	1.01	52.1 %	4%	100%
ES PCB-3	11.77		0.8583	0.8582	-0.1	8.56E+06	3.32	1.05	53.4 %	11%	106%
ES PCB-4	11.97		0.8732	0.8729	-0.2	4.44E+06	1.68	0.70	41.7 %	14%	107%
ES PCB-15	17.09		1.2453	1.2459	+0.6	1.38E+07	1.64	1.17	77.6 %	19%	107%
ES PCB-19	14.67		1.0698	1.0697	-0.1	4.97E+06	1.04	0.57	57.5 %	1%	108%
ES PCB-37	23.09	V	1.0865	1.0874	+1.2	1.10E+07	1.14	1.41	124 %	25%	123%
ES PCB-54	17.32		0.8157	0.8155	-0.2	6.64E+06	0.77	1.32	80.2 %	13%	105%
ES PCB-77	29.26	V	1.3777	1.3781	+0.7	1.15E+07	0.79	1.22	151 %	31%	109%
ES PCB-81	28.80	V	1.3557	1.3561	+0.7	1.20E+07	0.81	1.15	167 %	14%	127%
ES PCB-104	22.04		0.8147	0.8146	-0.1	5.60E+06	1.58	1.69	58.9 %	36%	115%
ES PCB-105	32.20		1.1906	1.1904	-0.4	6.93E+06	1.65	1.21	102 %	50%	111%
ES PCB-114	31.67		1.1709	1.1708	-0.2	6.77E+06	1.72	1.23	97.7 %	41%	121%
ES PCB-118	31.23		1.1547	1.1545	-0.4	7.25E+06	1.61	1.25	104 %	49%	111%
ES PCB-123	30.95		1.1444	1.1443	-0.2	7.22E+06	1.64	1.33	96.7 %	49%	116%
ES PCB-126	34.82	V	1.2871	1.2871	0	1.03E+07	1.68	1.36	135 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.87		0.7939	0.7940	+0.2	6.49E+06	1.29	1.40	102 %	25%	124%
ES PCB-156/157	37.35		1.1035	1.1037	+0.4	1.22E+07	1.29	1.13	119 %	40%	120%
ES PCB-167	36.40	V	1.0753	1.0754	+0.2	6.46E+06	1.28	1.13	126 %	45%	118%
ES PCB-169	40.09		1.1842	1.1845	+0.7	5.97E+06	1.31	1.14	115 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.68		0.7204	0.7202	-0.4	5.03E+06	1.06	1.34	82.9 %	23%	125%
ES PCB-189	42.22	V	0.9598	0.9598	0	9.12E+06	1.06	1.77	132 %	47%	116%
ES PCB-202	36.19		0.8230	0.8228	-0.4	5.02E+06	0.87	1.27	87.3 %	31%	134%
ES PCB-205	44.38		1.0090	1.0090	0	5.38E+06	0.94	1.25	110 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.85		1.0424	1.0424	0	3.46E+06	0.82	1.07	82.7 %	38%	122%
ES PCB-208	41.81		0.9508	0.9506	-0.5	4.77E+06	0.80	1.34	90.8 %	31%	126%
ES PCB-209	47.21		1.0732	1.0732	0	4.17E+06	1.21	1.18	89.9 %	43%	115%
CS/SS PCB-28	19.68		0.9269	0.9269	0	1.14E+07	1.12	0.98	106 %	14%	131%
CS/SS PCB-111	29.33	V	1.0843	1.0842	-0.2	7.70E+06	1.68	0.90	119 %	57%	112%
CS/SS PCB-178	34.25		1.0118	1.0119	+0.2	3.50E+06	1.07	0.65	108 %	57%	125%
CS PCB-28	19.68		0.9269	0.9269	0	1.14E+07	1.12	1.39	131 %	14%	131%
CS PCB-111	29.33	V	1.0843	1.0842	-0.2	7.70E+06	1.68	1.19	115 %	57%	112%
CS PCB-178	34.25		1.0118	1.0119	+0.2	3.50E+06	1.07	0.87	89.2 %	57%	125%
JS PCB-9	13.72					1.52E+07	1.65				
JS PCB-52	21.23					6.26E+06	0.78				
JS PCB-101	27.05					5.63E+06	1.56				
JS PCB-138	33.84					4.52E+06	1.26				
JS PCB-194	43.99					3.92E+06	0.87				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	34	34	0.376		
						Di-CBs	166	166	1.59		
						Tri-CBs	426	431	0.973		
						Tetra-CBs	839	842	0.263		
						Penta-CBs	1,510	1,520	0.387		
						Hexa-CBs	1,200	1,200	0.5		
						Hepta-CBs	289	295	0.513		
						Octa-CBs	81.3	96.7	0.847		
						Nona-CBs	25.5	25.5	0.857		
PCB-1 2-MoCB	9.86		1.0011	1.0011	0	5.34E+05	3.21	1.20	13.6	2.65E+03	0.337
PCB-2 3-MoCB	11.63		0.9878	0.9878	0	2.90E+05	3.41	1.25	6.64	2.65E+03	0.375
PCB-3 4-MoCB	11.78		1.0010	1.0010	0	5.42E+05	3.21	1.13	13.7	2.65E+03	0.415
PCB-4 22'-DiCB	11.99		1.0012	1.0011	-0.1	1.26E+05	SI	0.94	7.37	3.42E+03	1.18
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.65	ND	1.04E+04	2.05
PCB-9 25-DiCB	13.73		1.0011	1.0011	0	9.16E+04	SI	0.92	1.76	4.71E+03	0.763
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.04	ND	1.34E+04	1.93
PCB-6 23'-DiCB	14.08		1.0261	1.0261	0	4.37E+05	1.45	1.01	7.69	1.34E+04	2
PCB-5 23-DiCB	14.34	J	1.0451	1.0451	0	4.89E+04	SI	0.99	0.878	4.71E+03	0.714
PCB-8 24'-DiCB	14.45		1.0533	1.0534	+0.1	1.97E+06	1.47	1.03	33.8	1.34E+04	1.95
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.15	ND	1.34E+04	1.75
PCB-11 33'-DiCB	16.58	B	0.9701	0.9700	-0.1	3.81E+06	1.55	0.95	70.7	1.34E+04	2.11
PCB-13/12 34'/34-DiCB	16.83	C	0.9855	0.9846	-0.9	3.72E+05	1.57	0.98	6.74	1.34E+04	2.06
PCB-15 44'-DiCB	17.11		1.0008	1.0009	+0.1	2.13E+06	1.52	1.01	37.5	1.34E+04	2

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.69	EMPC	1.0011	1.0013	+0.2	4.72E+04	0.83	1.01	2.31	2.43E+03	0.837
PCB-30/18 246/22'5-TrCB	16.31	C	1.1110	1.1116	+0.6	1.02E+06	1.06	1.24	40.4	2.43E+03	0.68
PCB-17 22'4-TrCB	16.67		1.1357	1.1359	+0.2	4.32E+05	1.02	1.05	20.4	2.43E+03	0.807
PCB-27 23'6-TrCB	16.85		1.1479	1.1482	+0.3	1.07E+05	1.05	1.39	3.78	2.43E+03	0.608
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.33	ND	2.43E+03	0.636
PCB-16 22'3-TrCB	17.05		1.1612	1.1616	+0.4	3.38E+05	1.00	0.83	20	2.43E+03	1.02
PCB-32 24'6-TrCB	17.50		1.1923	1.1925	+0.2	5.13E+05	1.06	1.50	16.9	2.43E+03	0.565
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.36	ND	5.93E+03	0.975
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	5.93E+03	0.931
PCB-26/29 23'5/245-TrCB	18.98	C	0.8236	0.8220	-1.8	8.30E+05	1.04	1.42	13.1	5.93E+03	0.938
PCB-25 23'4-TrCB	19.18		0.8315	0.8308	-0.8	4.23E+05	1.03	1.42	6.65	5.93E+03	0.933
PCB-31 24'5-TrCB	19.45		0.8430	0.8423	-0.8	5.28E+06	1.04	1.48	79.9	5.93E+03	0.899
PCB-28/20 244'/233'-TrCB	19.70	C	0.8542	0.8532	-1.2	6.78E+06	1.07	1.41	107	5.93E+03	0.94
PCB-21/33 234/23'4'-TrCB	19.90	C	0.8612	0.8617	+0.6	2.71E+06	1.07	1.43	42.3	5.93E+03	0.926
PCB-22 234'-TrCB	20.22		0.8766	0.8759	-0.8	1.85E+06	1.04	1.34	31	5.93E+03	0.994
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.39	ND	5.93E+03	0.957
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.44	ND	5.93E+03	0.924
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	5.93E+03	1.04
PCB-35 33'4-TrCB	22.76	EMPC	0.9860	0.9859	-0.1	1.70E+05	1.49	1.28	2.98	5.93E+03	1.04
PCB-37 344'-TrCB	23.11		1.0008	1.0009	+0.1	2.39E+06	1.11	1.20	44.6	5.93E+03	1.11
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	5.33E+02	0.17
PCB-50/53 22'46/22'56'-TeCB	19.19	C	0.9051	0.9039	-1.4	2.11E+05	0.79	0.80	5.38	6.01E+02	0.163
PCB-45 22'36-TeCB	19.76		0.9304	0.9304	0	1.81E+05	0.75	0.68	5.41	6.01E+02	0.191
PCB-51 22'46'-TeCB	19.84	EMPC	0.9340	0.9342	+0.2	5.20E+04	0.63	0.81	1.31	6.01E+02	0.161
PCB-46 22'36'-TeCB	20.02		0.9429	0.9427	-0.2	7.03E+04	0.74	0.66	2.18	6.01E+02	0.198
PCB-52 22'55'-TeCB	21.26		1.0010	1.0010	0	3.78E+06	0.78	0.73	105	6.01E+02	0.177
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.97	ND	6.01E+02	0.135
PCB-43 22'35-TeCB	21.45		1.0106	1.0104	-0.3	6.65E+04	0.82	0.67	2.03	6.01E+02	0.195
PCB-69/49 23'46/22'45'-TeCB	21.67	C	1.0198	1.0207	+1.2	1.90E+06	0.76	0.90	43	6.01E+02	0.144
PCB-48 22'45-TeCB	21.92		1.0319	1.0324	+0.7	4.08E+05	0.84	0.74	11.2	6.01E+02	0.176
PCB-44/47/65 ...-TeCB	22.10	C	1.0416	1.0408	-1.1	2.72E+06	0.79	0.80	69	6.01E+02	0.162
PCB-59/62/75 ...-TeCB	22.39	C	1.0541	1.0543	+0.3	2.48E+05	0.77	1.01	5.01	6.01E+02	0.129
PCB-42 22'34'-TeCB	22.54		1.0612	1.0616	+0.5	5.63E+05	0.81	0.71	16.2	6.01E+02	0.184
PCB-41 22'34-TeCB	22.85		1.0759	1.0763	+0.5	1.24E+05	0.76	0.62	4.07	6.01E+02	0.21
PCB-71/40 23'4'6/22'33'-TeCB	22.96	C	1.0806	1.0813	+1.0	1.16E+06	0.78	0.77	30.8	6.01E+02	0.17
PCB-64 234'6-TeCB	23.16		1.0899	1.0906	+1.0	1.41E+06	0.79	1.07	26.7	6.01E+02	0.121
PCB-72 23'55'-TeCB	23.92		0.8295	0.8307	+1.7	9.86E+04	0.85	1.28	1.57	2.24E+03	0.38
PCB-68 23'45'-TeCB	24.17	J	0.8379	0.8394	+2.2	5.49E+04	0.81	1.33	0.839	2.24E+03	0.365
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.20	ND	2.24E+03	0.405
PCB-58 233'5'-TeCB	24.61		0.8568	0.8548	-3.0	1.99E+05	0.76	1.20	3.39	2.24E+03	0.406
PCB-67 23'45-TeCB	24.87		0.8620	0.8636	+2.4	2.17E+05	0.82	1.23	3.6	2.24E+03	0.396
PCB-63 234'5-TeCB	25.08		0.8697	0.8710	+2.0	2.86E+05	0.76	1.32	4.42	2.24E+03	0.368
PCB-61/70/74/76 ...-TeCB	25.36	C	0.8792	0.8807	+2.3	1.53E+07	0.79	1.23	253	2.24E+03	0.394
PCB-66 23'44'-TeCB	25.61		0.8888	0.8895	+1.1	8.09E+06	0.79	1.16	143	2.24E+03	0.42
PCB-55 233'4-TeCB	25.74		0.8932	0.8939	+1.1	1.08E+05	0.71	1.17	1.87	2.24E+03	0.413

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.16		0.9080	0.9083	+0.5	3.27E+06	0.77	1.15	58	2.24E+03	0.423
PCB-60 2344'-TeCB	26.34		0.9144	0.9147	+0.5	1.75E+06	0.77	1.21	29.4	2.24E+03	0.402
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.34	ND	2.24E+03	0.362
PCB-79 33'45'-TeCB	27.97	EMPC	0.9718	0.9715	-0.5	9.50E+04	0.96	1.26	1.54	2.24E+03	0.386
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.04	ND	2.24E+03	0.467
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	5.88E+02	0.245
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.93	ND	5.88E+02	0.241
PCB-103 22'45'6'-PeCB	24.07	EMPC	0.8883	0.8898	+2.2	3.13E+04	0.74	0.86	1.23	1.16E+03	0.492
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.76	ND	1.16E+03	0.562
PCB-95 22'35'6'-PeCB	24.61		0.9082	0.9099	+2.5	3.15E+06	0.61	0.83	129	1.16E+03	0.513
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.83	ND	1.16E+03	0.512
PCB-102 22'456'-PeCB	24.93		0.9198	0.9214	+2.4	1.15E+05	0.69	0.98	4.01	1.16E+03	0.435
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.72	ND	1.16E+03	0.592
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.74	ND	1.16E+03	0.576
PCB-91 22'34'6'-PeCB	25.33		0.9352	0.9364	+1.8	5.51E+05	0.65	0.90	20.7	1.16E+03	0.47
PCB-84 22'33'6'-PeCB	25.50		0.9416	0.9425	+1.4	9.41E+05	0.62	0.71	45.4	1.16E+03	0.602
PCB-89 22'346'-PeCB	25.90	EMPC	0.9567	0.9573	+0.9	3.54E+04	0.75	0.74	1.63	1.16E+03	0.575
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.07	ND	1.16E+03	0.398
PCB-92 22'355'-PeCB	26.58		0.9825	0.9827	+0.3	8.69E+05	0.61	0.74	39.6	1.16E+03	0.57
PCB-113/90/101 ...-PeCB	27.07	C	0.9999	1.0009	+1.6	5.76E+06	0.61	0.88	224	1.16E+03	0.485
PCB-83 22'33'5'-PeCB	27.45		1.0150	1.0148	-0.3	2.03E+05	0.60	0.64	10.7	1.16E+03	0.66
PCB-99 22'44'5'-PeCB	27.56		1.0190	1.0189	-0.2	2.81E+06	0.63	0.78	122	1.16E+03	0.544
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	1.16E+03	0.411
PCB-108/119/86/97/125...-PeCB	28.01	C	1.0347	1.0356	+1.5	4.01E+06	0.61	0.90	152	1.16E+03	0.472
PCB-117 234'56'-PeCB	28.51		1.0539	1.0539	0	1.53E+05	0.63	0.71	7.29	1.16E+03	0.595
PCB-116/85 23456/22'344'-PeCB	28.58	C	1.0566	1.0564	-0.3	9.91E+05	0.62	1.00	33.7	1.16E+03	0.425
PCB-110 233'4'6'-PeCB	28.71		1.0615	1.0614	-0.2	8.18E+06	0.62	0.99	280	1.16E+03	0.428
PCB-115 2344'6'-PeCB	28.81		1.0644	1.0649	+0.9	1.35E+05	0.66	1.00	4.57	1.16E+03	0.423
PCB-82 22'33'4'-PeCB	28.97		1.0711	1.0708	-0.5	5.26E+05	0.63	0.65	27.7	1.16E+03	0.657
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.04	ND	1.16E+03	0.409
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.04	ND	1.16E+03	0.408
PCB-107/124 ...-PeCB	30.68	C	0.9909	0.9911	+0.4	2.68E+05	0.64	0.96	9.5	1.16E+03	0.443
PCB-109 233'46'-PeCB	30.88		0.9976	0.9976	0	5.34E+05	0.61	0.98	18.6	1.16E+03	0.434
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.94	ND	1.16E+03	0.454
PCB-122 233'4'5'-PeCB	31.52		1.0095	1.0091	-0.8	7.55E+04	0.68	0.97	2.83	1.16E+03	0.448
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.94	ND	1.16E+03	0.46
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	5.70E+02	0.202
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	5.70E+02	0.214
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.02	ND	5.70E+02	0.209
PCB-136 22'33'66'-HxCB	27.45		1.0216	1.0216	0	5.68E+05	1.34	0.92	23.3	5.70E+02	0.231
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	5.70E+02	0.224
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.72	ND	5.70E+02	0.296
PCB-151/135 ...-HxCB	29.51	C	1.0986	1.0982	-0.7	1.27E+06	1.35	0.70	68.8	5.70E+02	0.305
PCB-154 22'44'56'-HxCB	29.74		1.1067	1.1067	0	6.59E+04	1.21	0.78	3.19	5.70E+02	0.273
PCB-144 22'345'6'-HxCB	29.98		1.1158	1.1157	-0.2	1.87E+05	1.21	0.70	10.1	5.70E+02	0.305

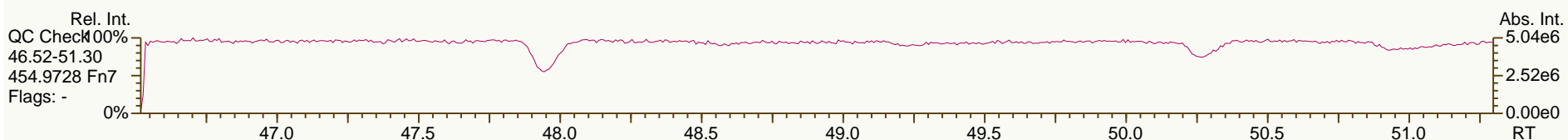
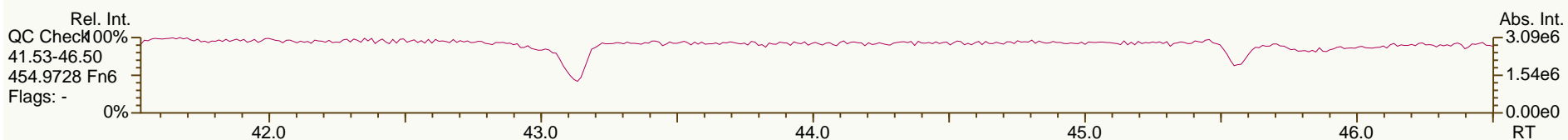
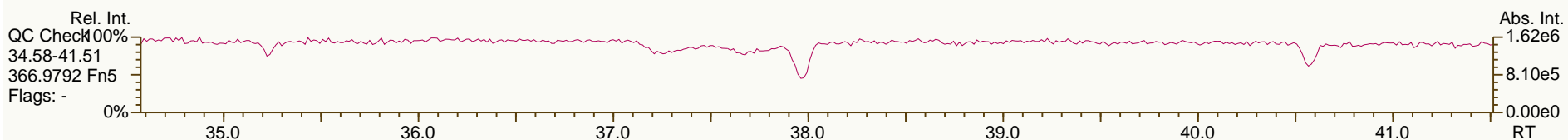
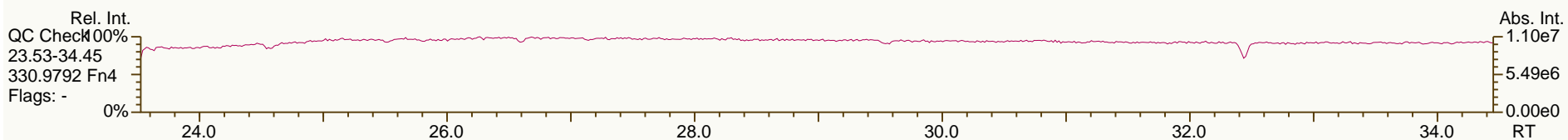
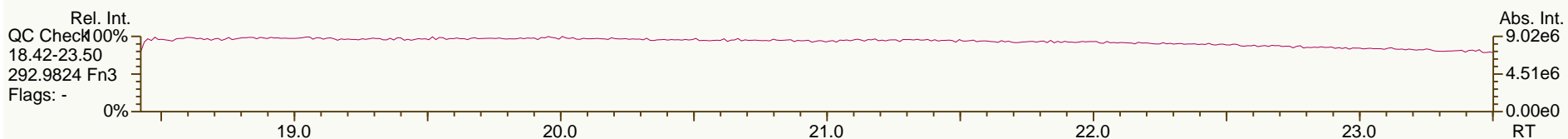
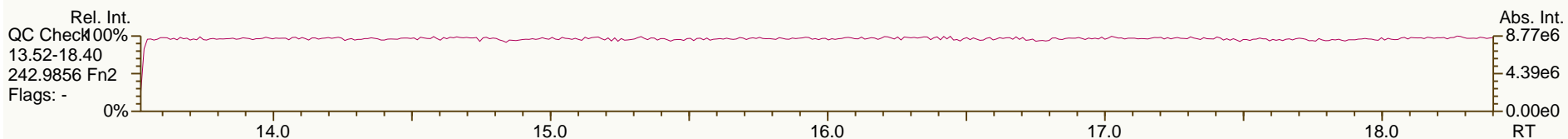
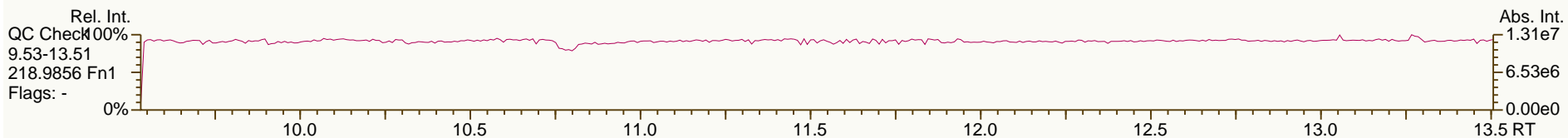
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.27	C	1.1269	1.1266	-0.5	3.39E+06	1.29	0.72	179	5.70E+02	0.297
PCB-134 22'33'56"-HxCB	30.43		1.1326	1.1323	-0.5	2.27E+05	1.43	0.59	14.7	5.70E+02	0.364
PCB-143 22'3456"-HxCB	NotFnd		1.1356	-		0.00E+00		0.66	ND	5.70E+02	0.321
PCB-139/140 ...-HxCB	30.78	C	1.1458	1.1453	-0.9	1.05E+05	1.36	0.73	5.44	5.70E+02	0.292
PCB-131 22'33'46"-HxCB	30.95		1.1516	1.1516	0	5.34E+04	1.41	0.61	3.31	5.70E+02	0.35
PCB-142 22'3456"-HxCB	NotFnd		1.1564	-		0.00E+00		0.62	ND	5.70E+02	0.345
PCB-132 22'33'46"-HxCB	31.31		1.1655	1.1653	-0.4	1.42E+06	1.31	0.64	83.9	5.70E+02	0.334
PCB-133 22'33'55"-HxCB	31.78		1.1826	1.1825	-0.2	8.11E+04	1.12	0.64	4.79	5.70E+02	0.333
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.79	ND	5.70E+02	0.272
PCB-146 22'34'55"-HxCB	32.32		0.9550	0.9550	0	8.27E+05	1.34	0.68	46.3	5.70E+02	0.316
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.88	ND	5.70E+02	0.244
PCB-153/168 ...-HxCB	32.84	C	0.9709	0.9703	-1.2	5.07E+06	1.29	0.89	216	5.70E+02	0.24
PCB-141 22'3455"-HxCB	32.99		0.9746	0.9747	+0.2	7.31E+05	1.33	0.65	42.5	5.70E+02	0.328
PCB-130 22'33'45"-HxCB	33.32		0.9847	0.9846	-0.2	3.14E+05	1.25	0.58	20.5	5.70E+02	0.367
PCB-137 22'344'5"-HxCB	33.52		0.9904	0.9904	0	2.81E+05	1.37	0.66	16.1	5.70E+02	0.323
PCB-164 233'4'5'6"-HxCB	33.61		0.9930	0.9930	0	4.20E+05	1.20	0.89	17.9	5.70E+02	0.24
PCB-163/138/129 ...-HxCB	33.87	C	1.0012	1.0008	-0.8	6.19E+06	1.27	0.72	327	5.70E+02	0.298
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.86	ND	5.70E+02	0.249
PCB-158 233'44'6"-HxCB	34.20		1.0106	1.0106	0	7.46E+05	1.27	0.93	30.2	5.70E+02	0.228
PCB-128/166 ...-HxCB	34.91	C	0.9593	0.9593	0	1.10E+06	1.34	0.99	42.3	1.41E+03	0.524
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.05	ND	1.41E+03	0.492
PCB-162 233'4'55"-HxCB	36.01	J	0.9896	0.9895	-0.2	2.95E+04	1.15	1.12	1	1.41E+03	0.462
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	6.40E+02	0.295
PCB-179 22'33'566"-HpCB	31.96		1.0089	1.0089	0	3.69E+05	1.02	1.04	17.4	6.40E+02	0.304
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.00	ND	6.40E+02	0.313
PCB-176 22'33'466"-HpCB	32.70	EMPC	1.0324	1.0323	-0.2	9.46E+04	1.23	1.11	4.15	6.40E+02	0.283
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.05	ND	6.40E+02	0.301
PCB-178 22'33'55'6"-HpCB	34.27		1.0816	1.0817	+0.2	1.73E+05	0.98	0.80	10.6	6.40E+02	0.393
PCB-175 22'33'45'6"-HpCB	34.80		1.0985	1.0986	+0.2	3.27E+04	0.96	0.97	1.65	1.43E+03	0.727
PCB-187 22'34'55'6"-HpCB	35.03		1.1057	1.1058	+0.2	1.12E+06	1.02	1.03	53.1	1.43E+03	0.682
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		1.02	ND	1.43E+03	0.686
PCB-183 22'344'5'6"-HpCB	35.55		1.1219	1.1222	+0.6	5.17E+05	0.99	1.08	23.5	1.43E+03	0.653
PCB-185 22'3455'6"-HpCB	35.63	EMPC	1.1241	1.1248	+1.5	3.01E+04	1.80	0.93	1.58	1.43E+03	0.754
PCB-174 22'33'456"-HpCB	35.73		1.1276	1.1278	+0.4	6.65E+05	0.99	0.84	38.4	1.43E+03	0.832
PCB-177 22'33'45'6"-HpCB	36.09		1.1393	1.1394	+0.2	4.45E+05	1.13	0.83	26	1.43E+03	0.841
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.94	ND	1.43E+03	0.746
PCB-171/173 ...-HpCB	36.62	C	1.1556	1.1561	+1.1	2.30E+05	1.01	0.84	13.3	1.43E+03	0.834
PCB-172 22'33'455"-HpCB	38.01		0.9003	0.9004	+0.2	9.94E+04	0.97	0.61	4.41	1.43E+03	0.664
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.79	ND	1.43E+03	0.509
PCB-180/193 ...-HpCB	38.55	C	0.9127	0.9132	+1.2	1.96E+06	1.02	0.84	62.7	1.43E+03	0.479
PCB-191 233'44'5'6"-HpCB	38.85		0.9203	0.9202	-0.2	3.77E+04	0.97	0.80	1.27	1.43E+03	0.504
PCB-170 22'33'44'5"-HpCB	39.60		0.9380	0.9379	-0.2	7.41E+05	1.04	0.70	28.6	1.43E+03	0.579
PCB-190 233'44'56"-HpCB	40.05		0.9486	0.9486	0	1.89E+05	1.08	0.78	6.51	1.43E+03	0.516
PCB-202 22'33'55'66"-OoCB	36.22		1.0006	1.0007	+0.2	1.15E+05	0.86	0.83	6.82	1.31E+03	0.831
PCB-201 22'33'45'66"-OoCB	36.99		1.0221	1.0220	-0.2	5.58E+04	0.80	0.99	2.76	1.31E+03	0.695

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.92	ND	1.31E+03	0.745
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		1.07	ND	1.31E+03	0.641
PCB-200 22'33'4566'-OcCB	37.82		1.0451	1.0450	-0.2	4.94E+04	0.92	0.86	2.82	1.31E+03	0.802
PCB-198/199 ...-OcCB	40.21	C	1.1102	1.1110	+1.9	3.99E+05	0.91	0.69	28.1	1.31E+03	0.989
PCB-196 22'33'44'56'-OcCB	40.76		1.1260	1.1263	+0.7	1.56E+05	0.94	0.70	10.9	1.31E+03	0.978
PCB-203 22'344'55'6-OcCB	40.93	EMPC	1.1306	1.1309	+0.7	2.40E+05	1.06	0.77	15.3	1.31E+03	0.898
PCB-195 22'33'44'56-OcCB	42.02		0.9469	0.9468	-0.3	1.13E+05	0.93	0.67	7.68	1.88E+03	1.41
PCB-194 22'33'44'55'-OcCB	44.01		0.9915	0.9915	0	3.62E+05	0.87	0.74	22.3	1.88E+03	1.27
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	1.88E+03	0.863
PCB-208 22'33'455'66'-NoCB	41.84		1.0005	1.0005	0	1.05E+05	0.80	0.98	5.56	1.03E+03	0.671
PCB-207 22'33'44'566'-NoCB	42.63		1.0192	1.0194	+0.5	4.16E+04	0.75	1.01	2.11	1.03E+03	0.645
PCB-206 22'33'44'55'6-NoCB	45.87		1.0004	1.0004	0	2.35E+05	0.72	0.93	17.9	1.03E+03	1.04

AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

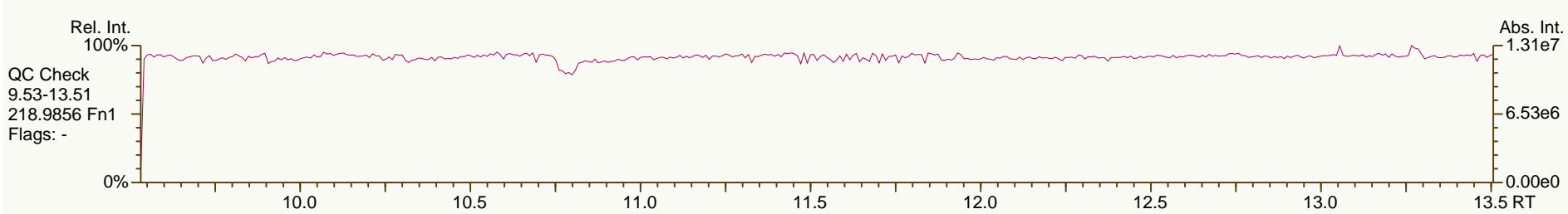
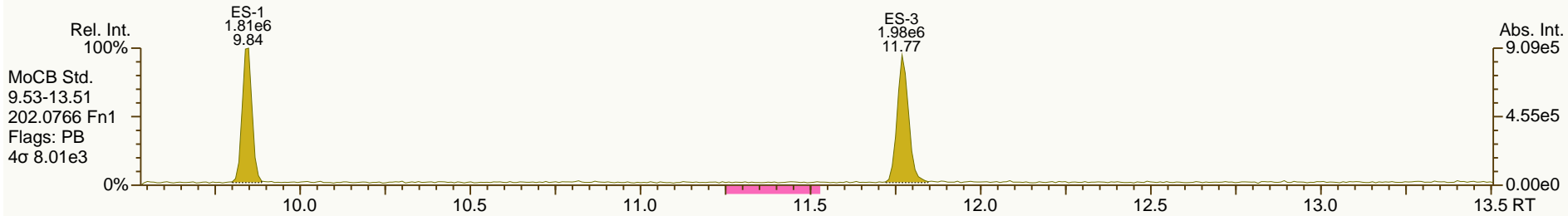
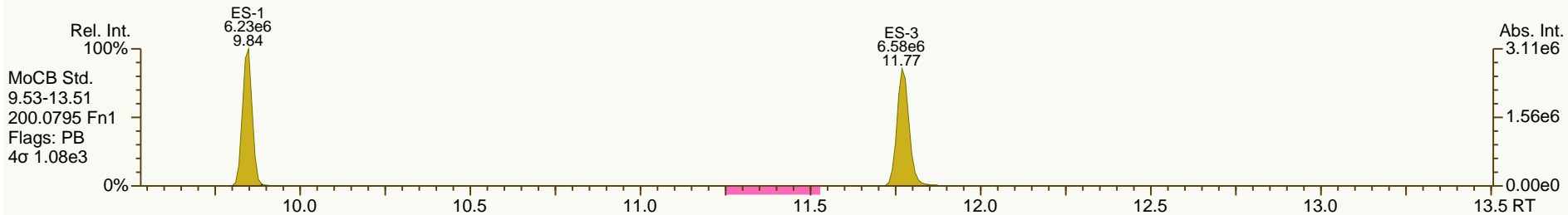
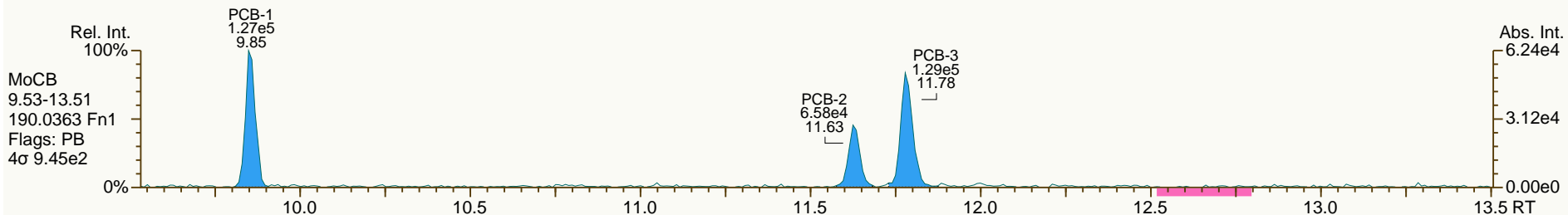
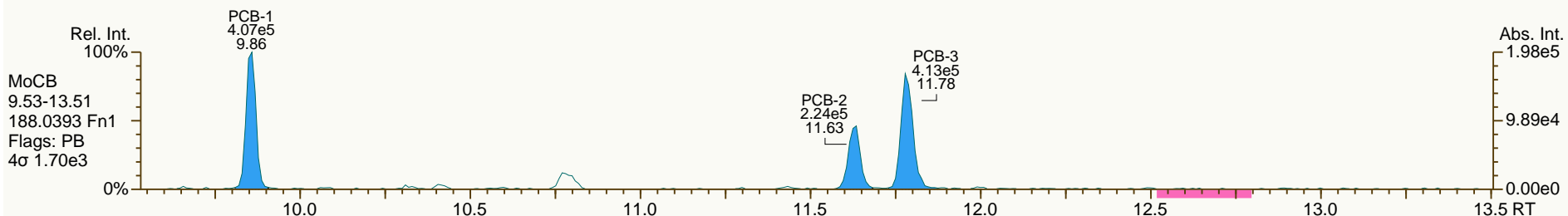
Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

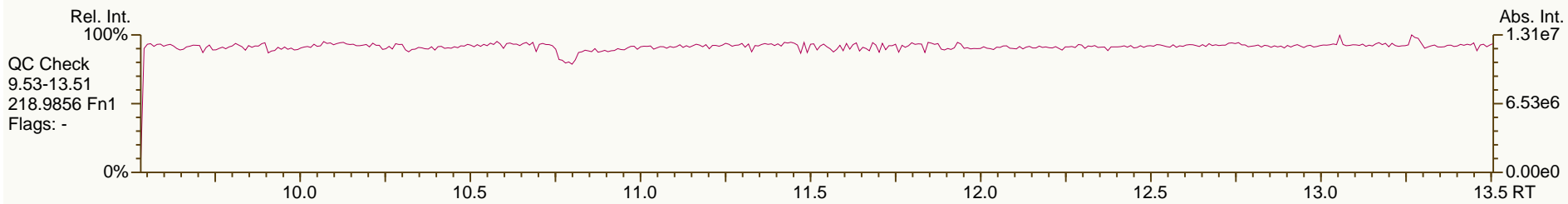
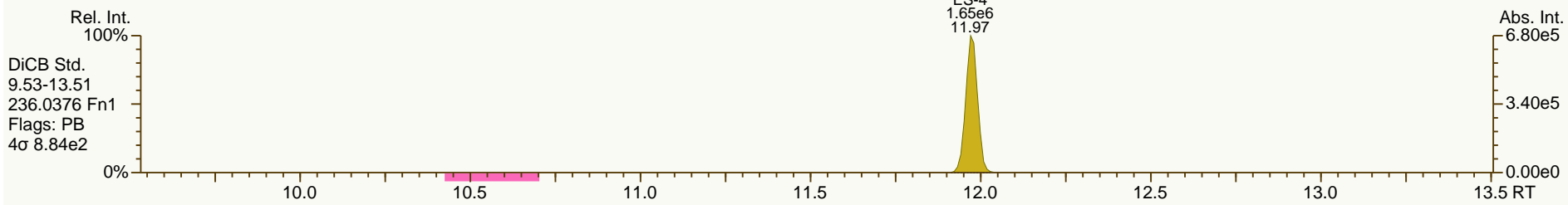
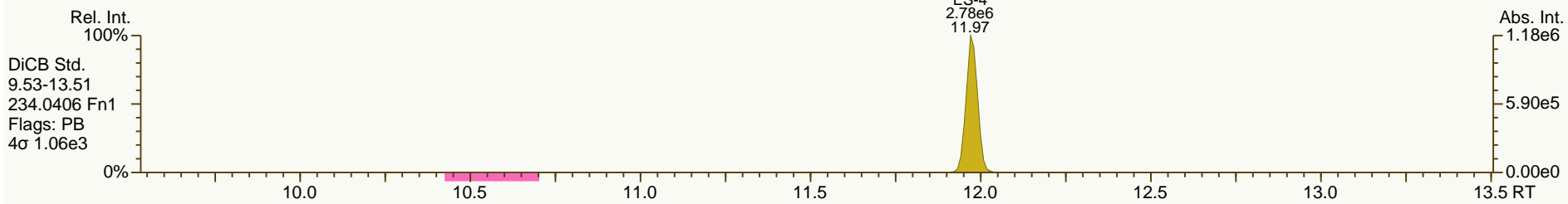
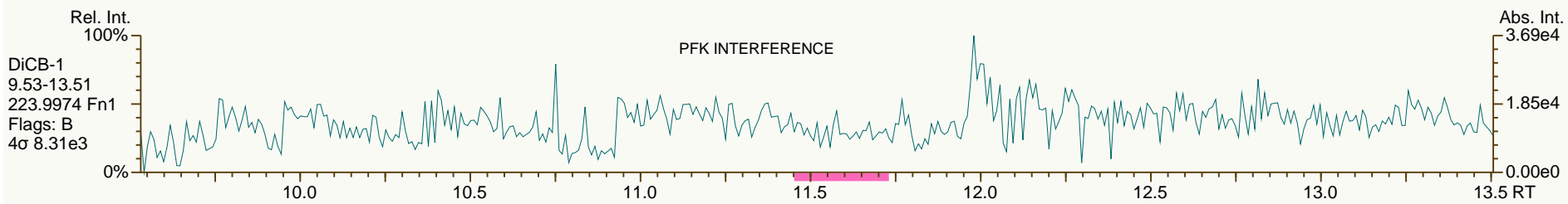
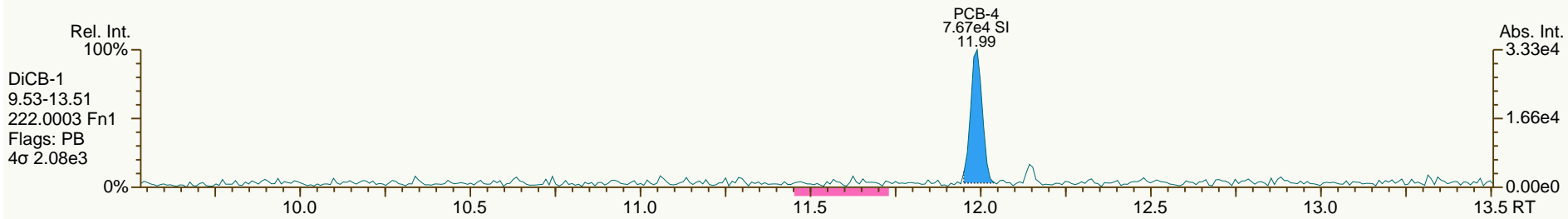
Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

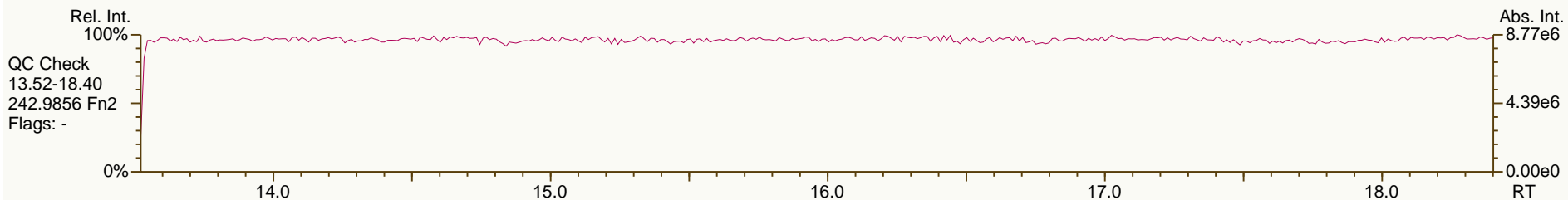
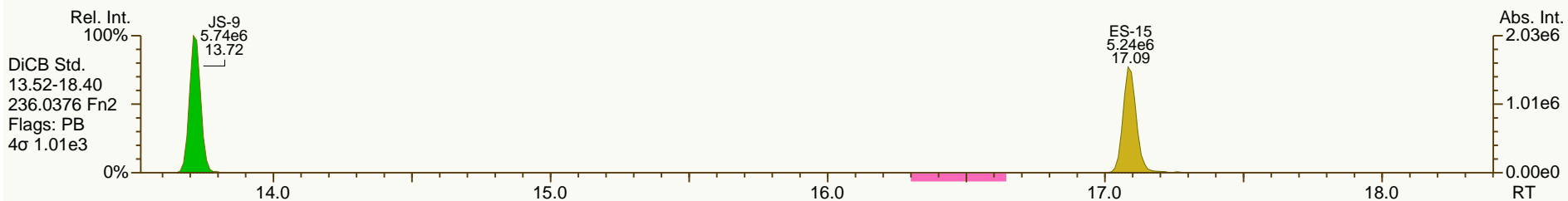
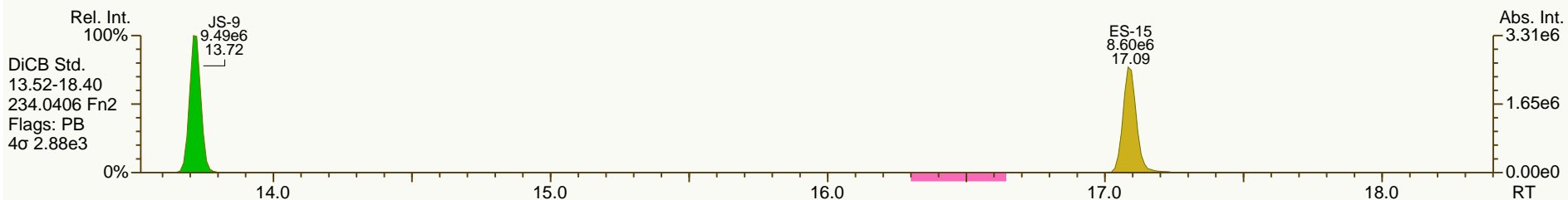
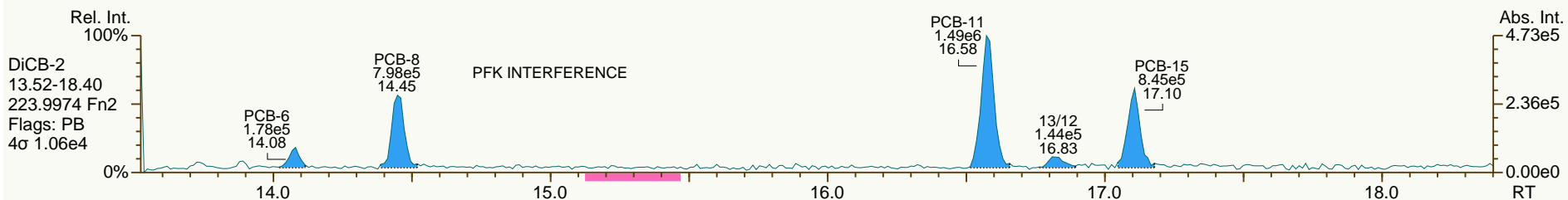
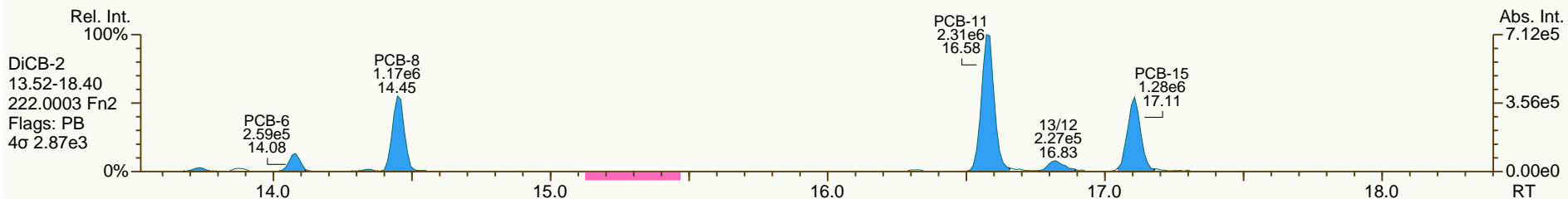
Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

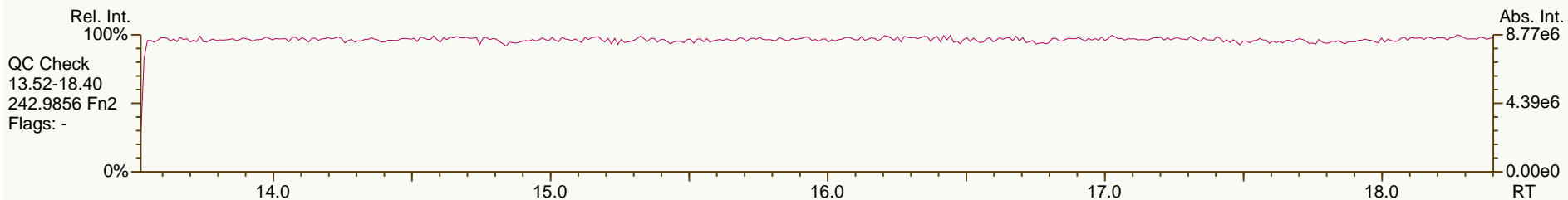
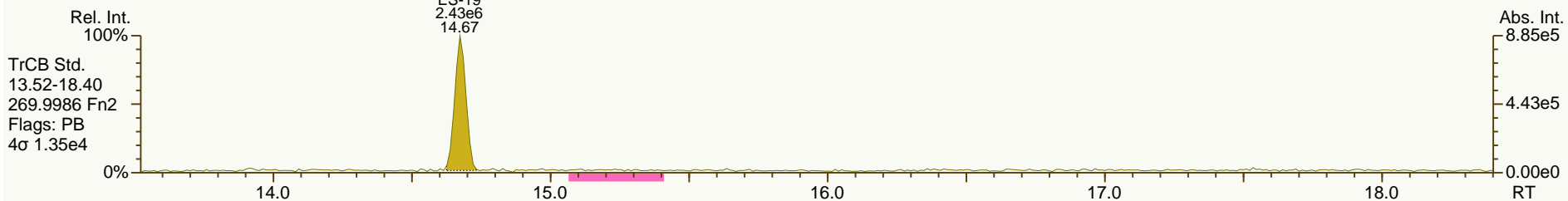
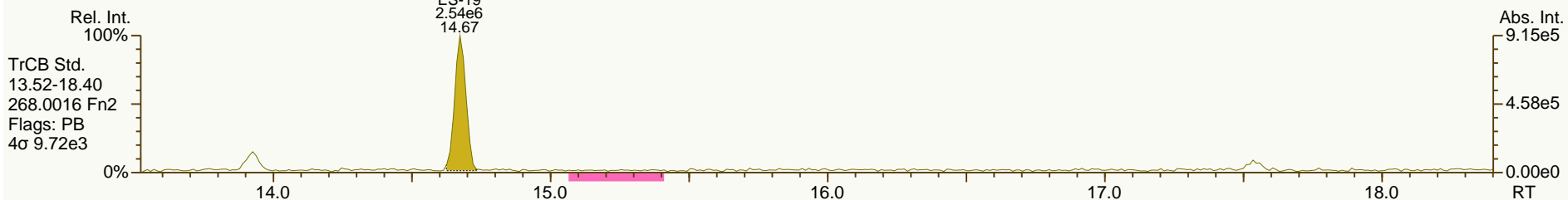
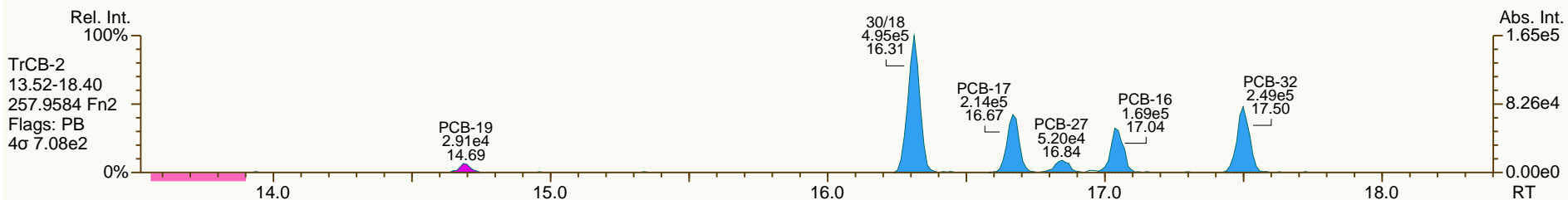
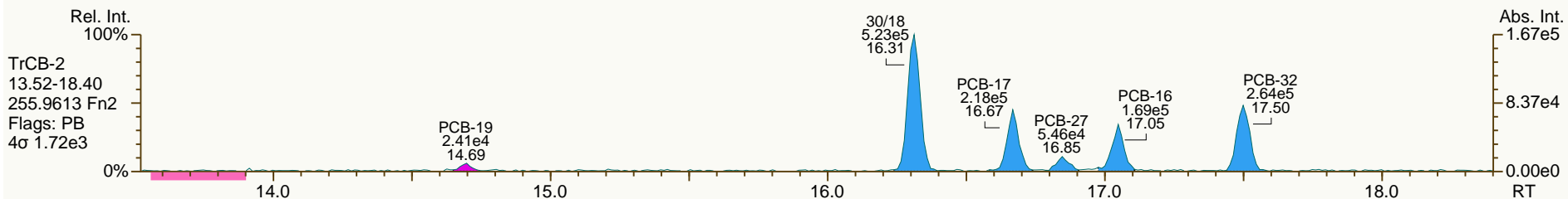
Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

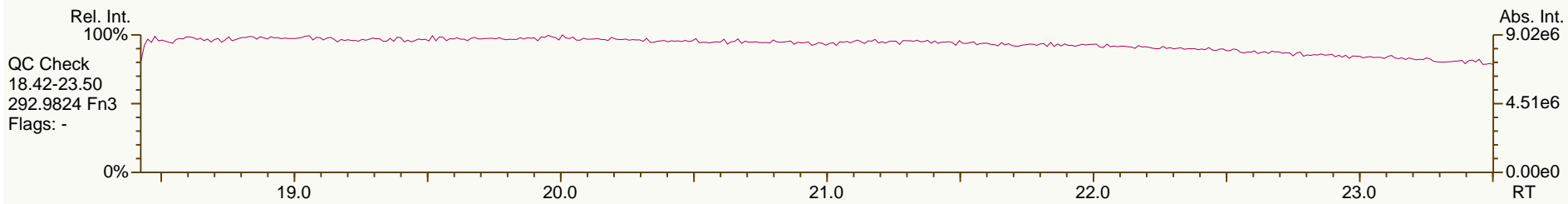
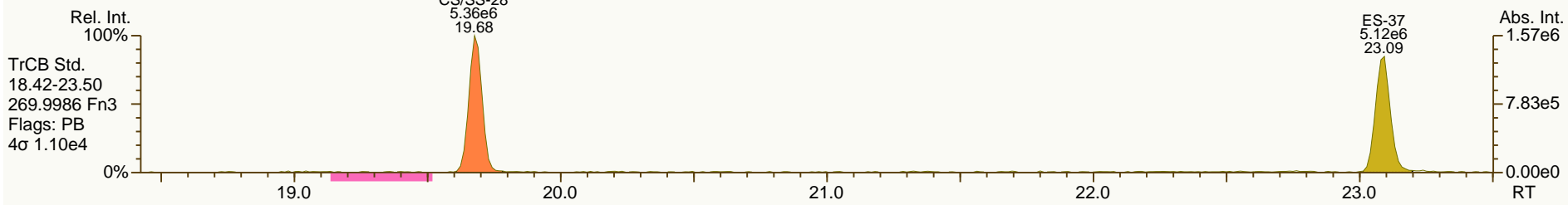
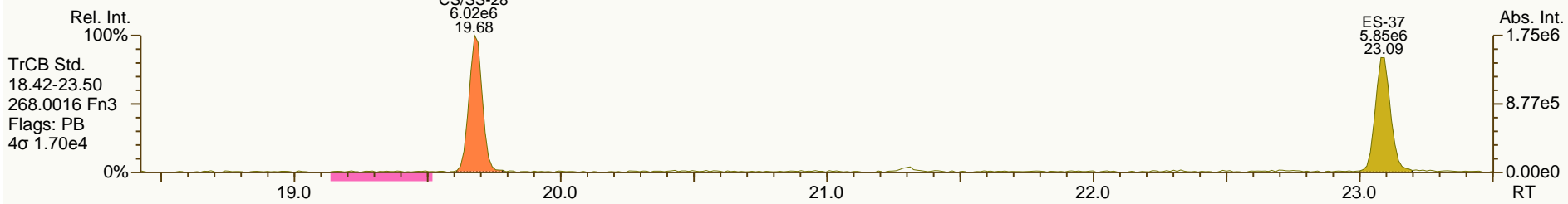
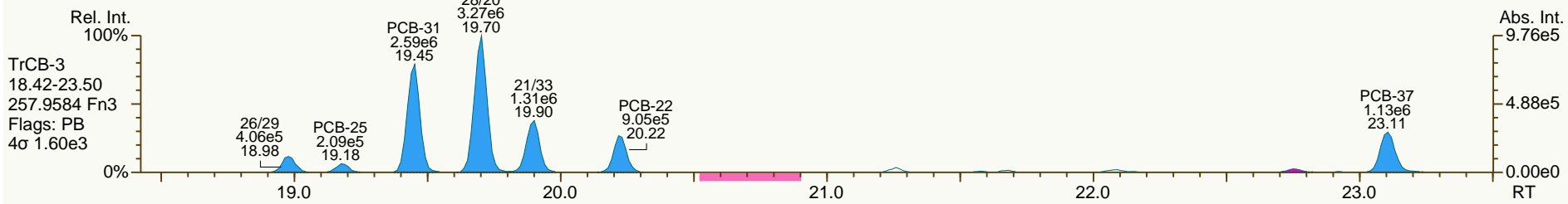
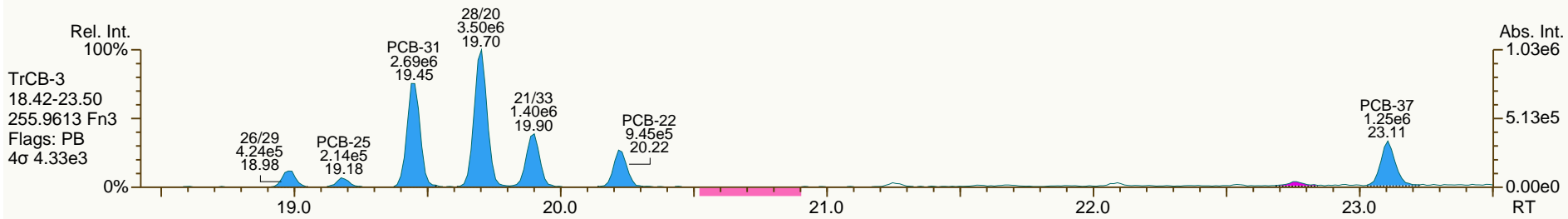
Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

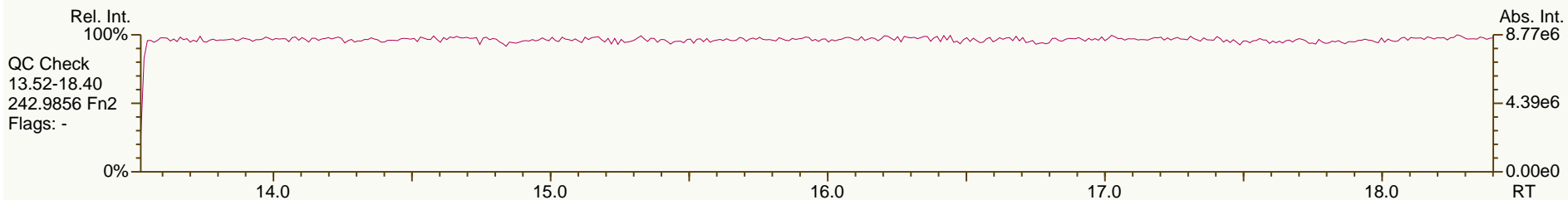
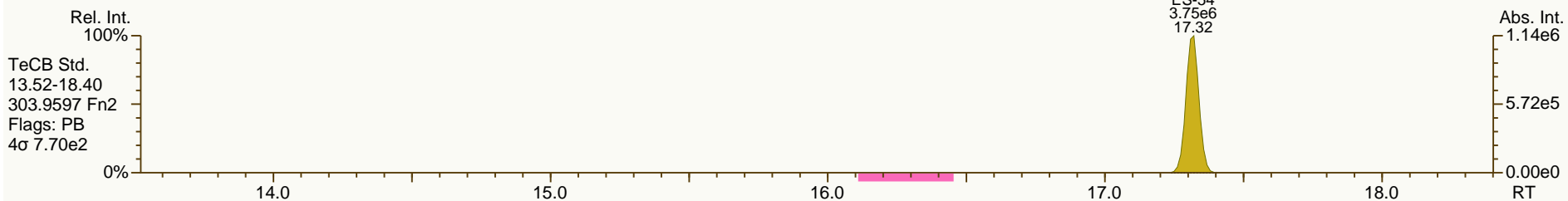
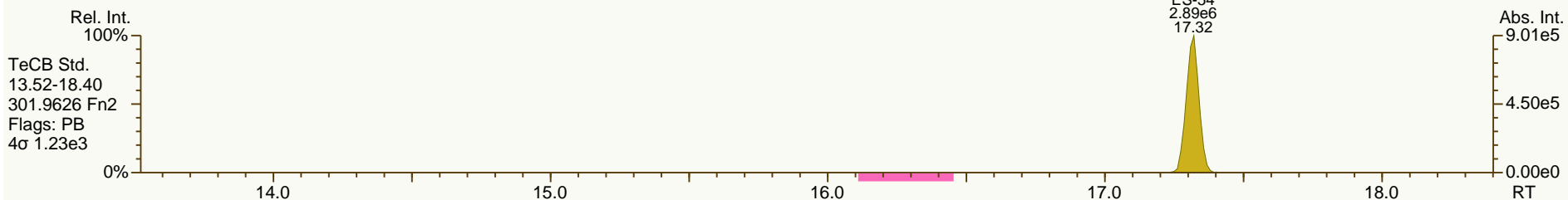
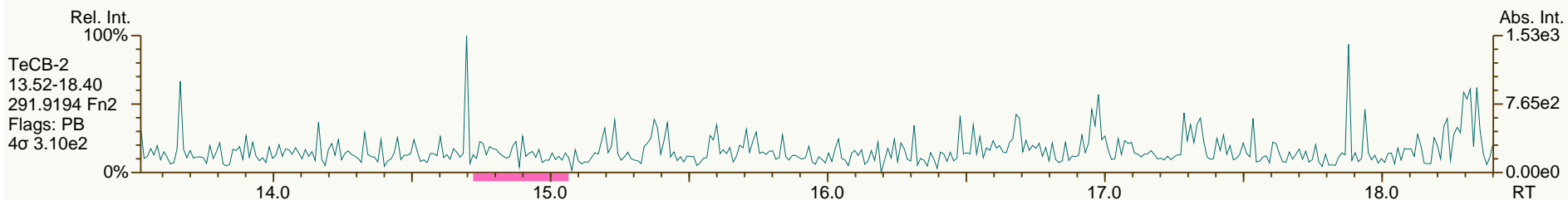
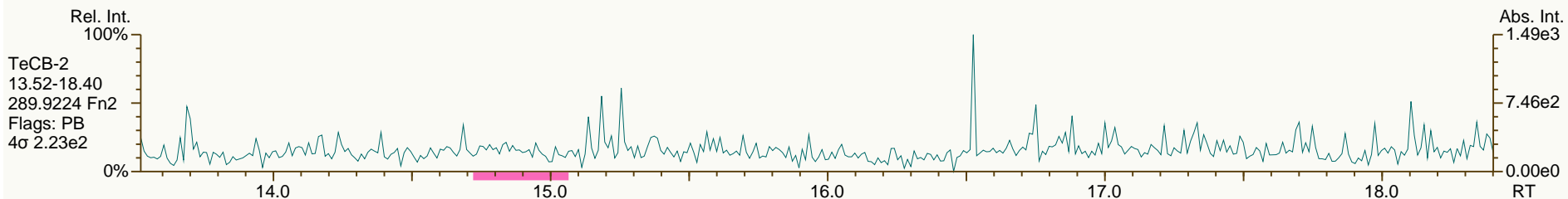
Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

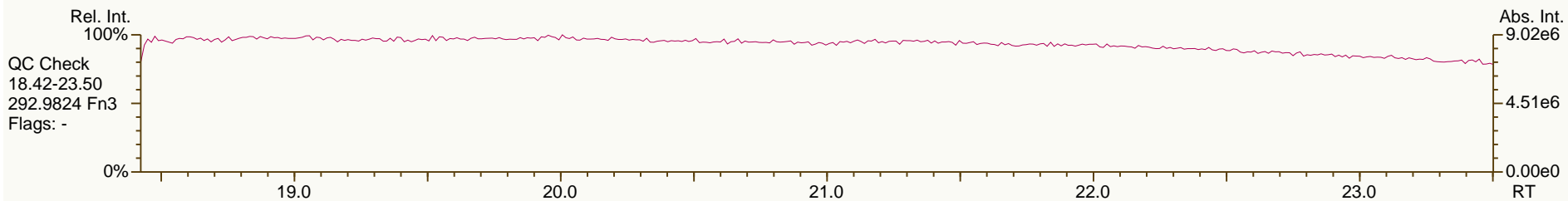
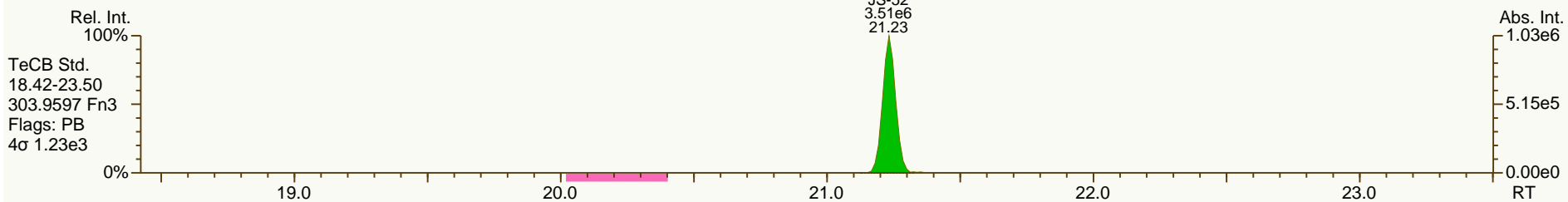
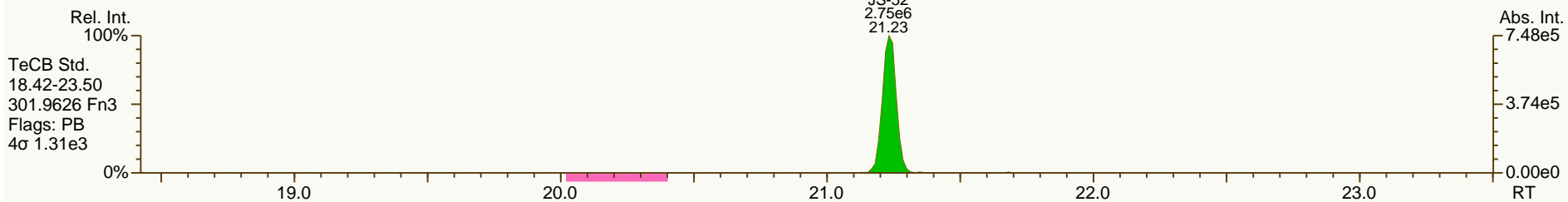
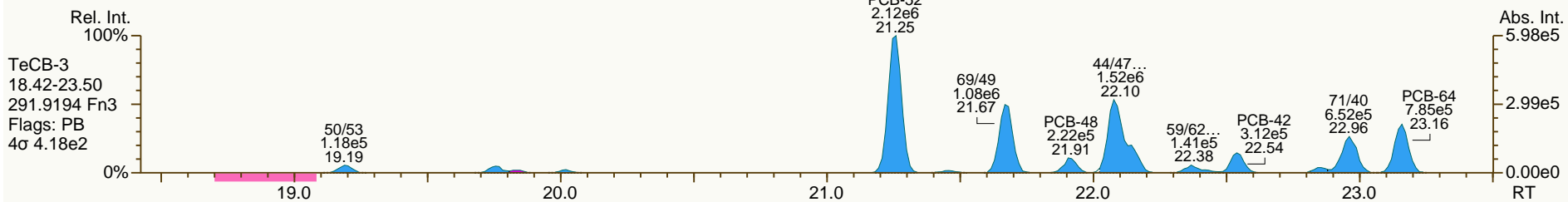
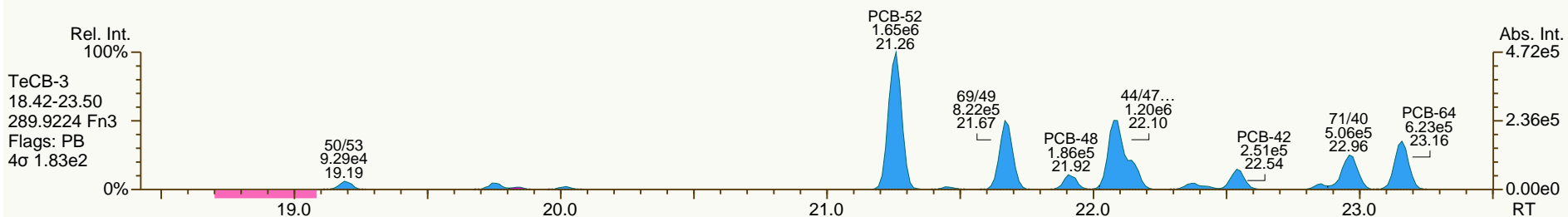
Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

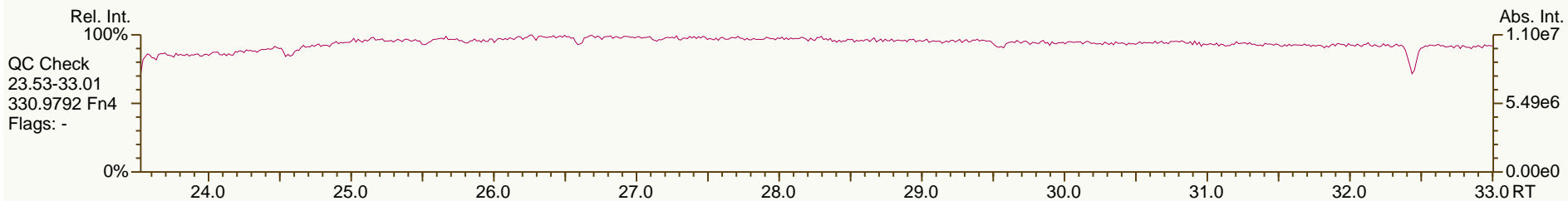
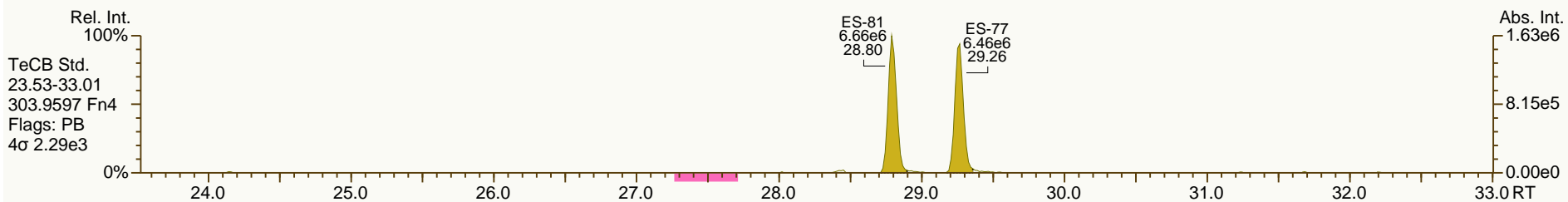
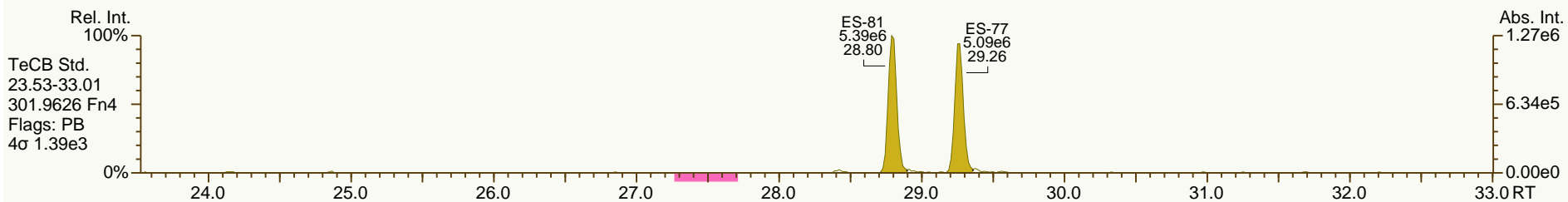
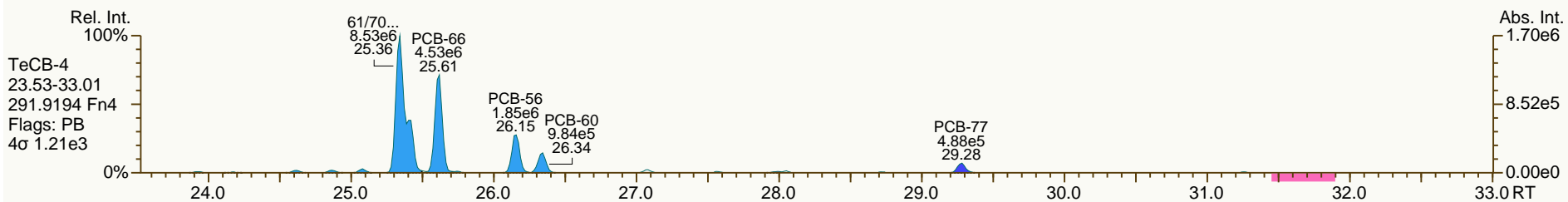
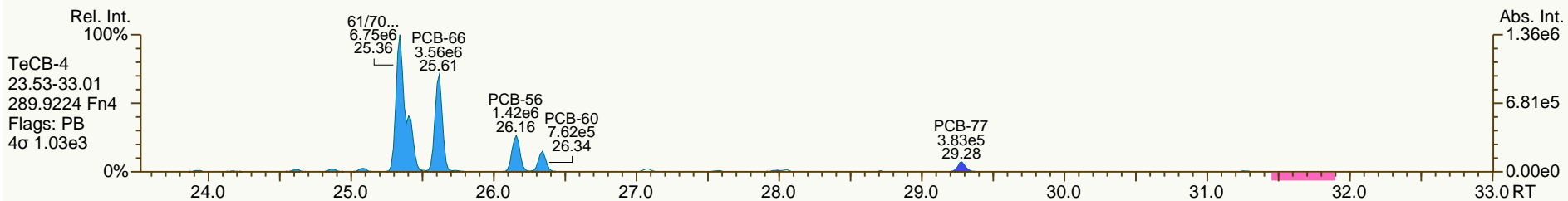
Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

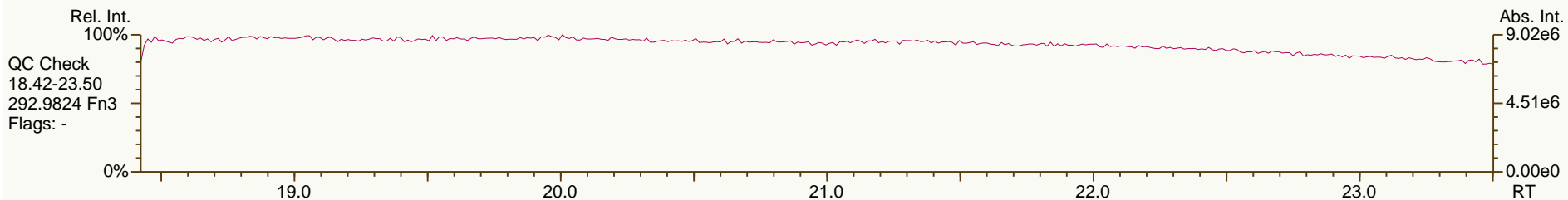
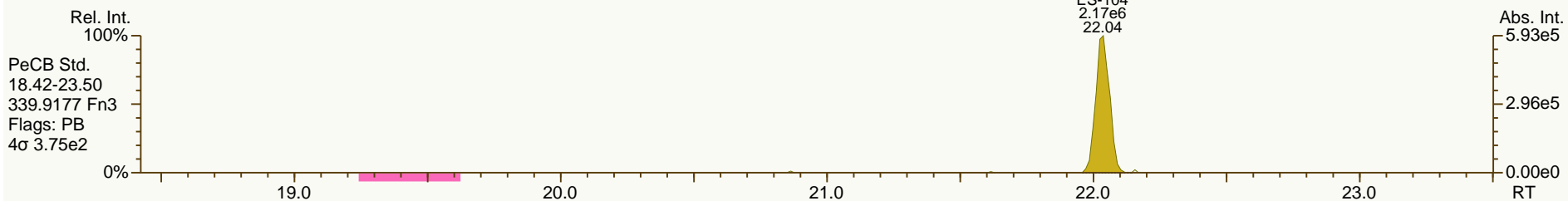
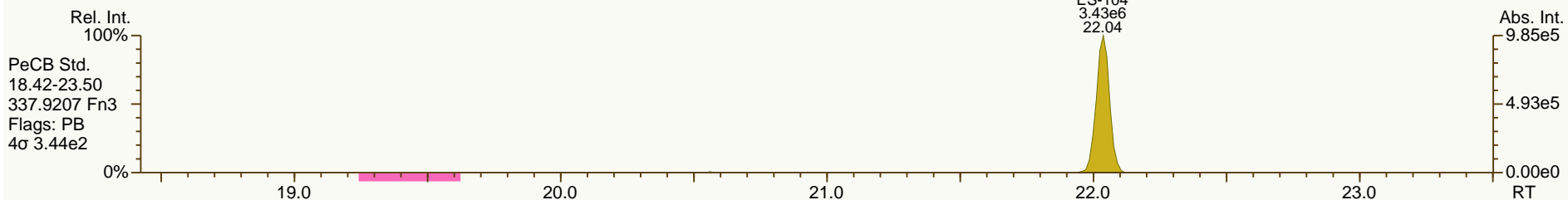
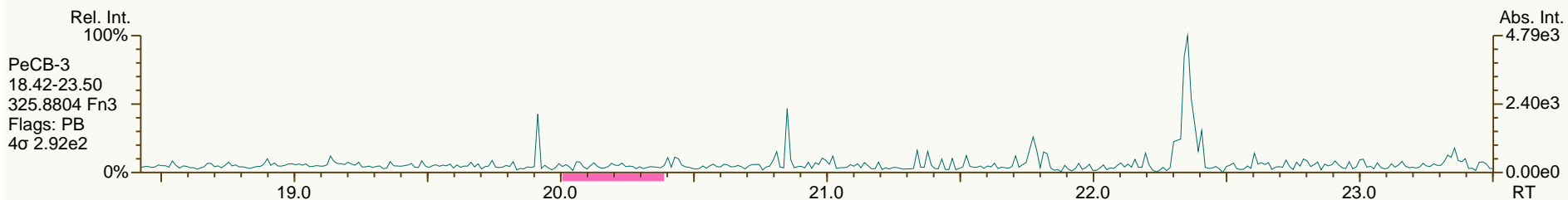
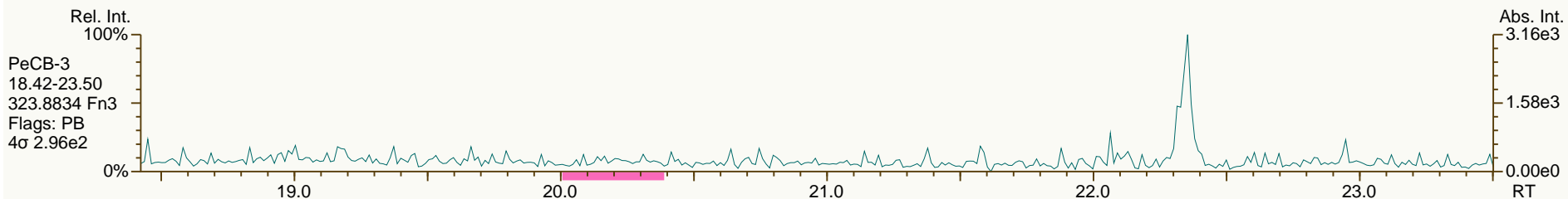
Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

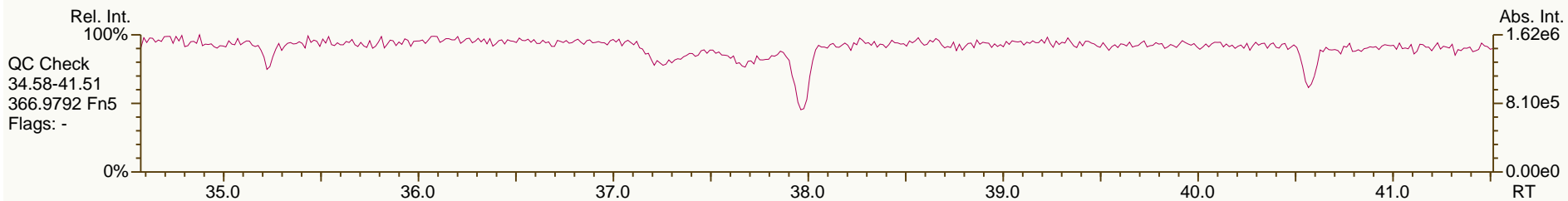
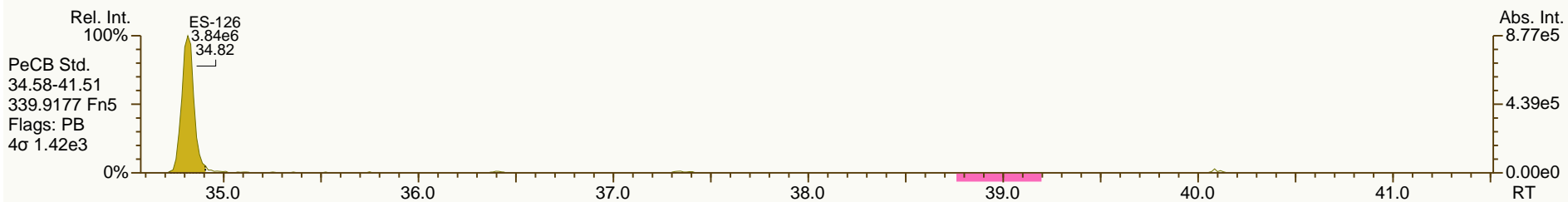
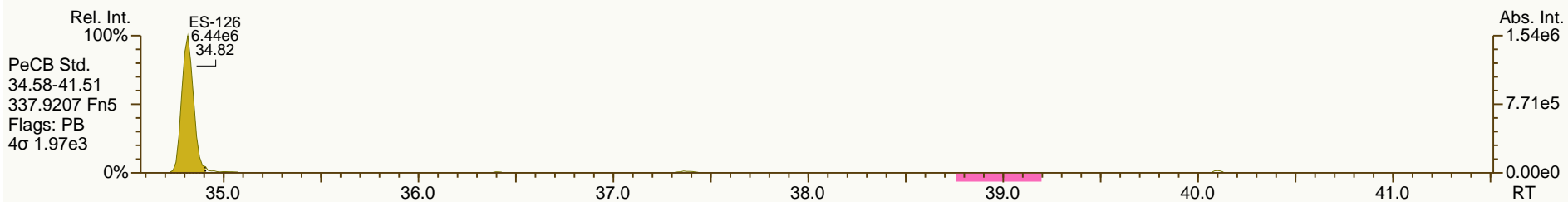
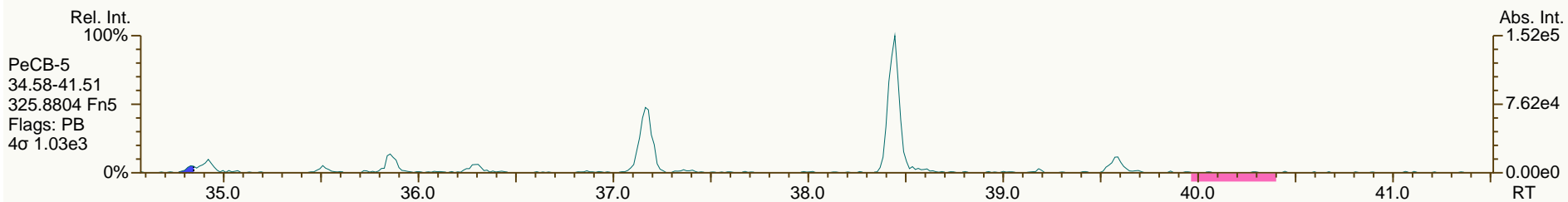
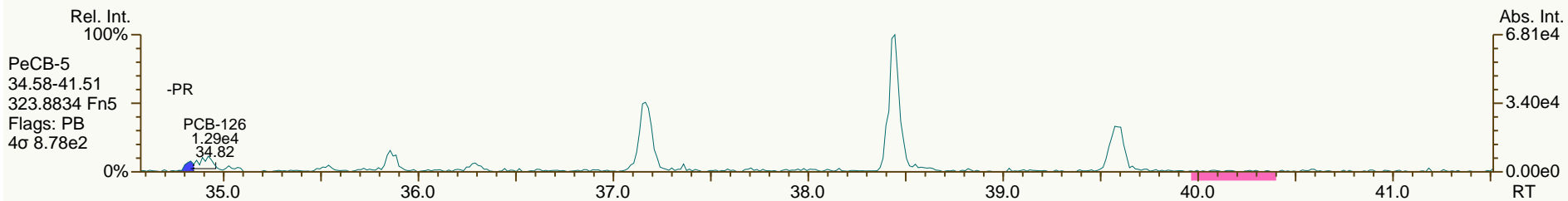
Acq: 05-Jul-2012 16:26:10
User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

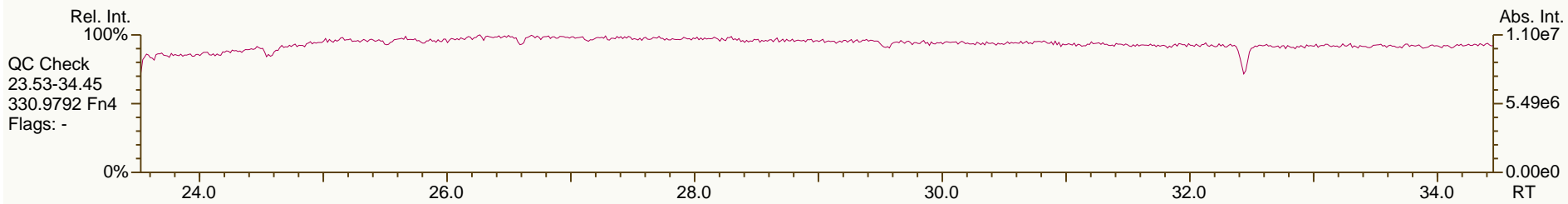
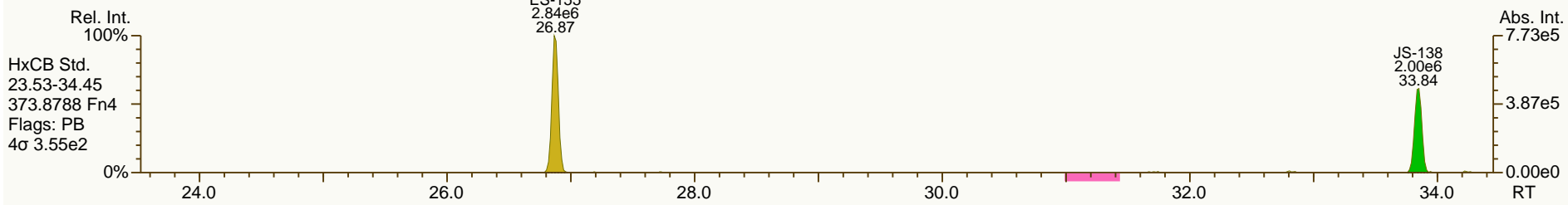
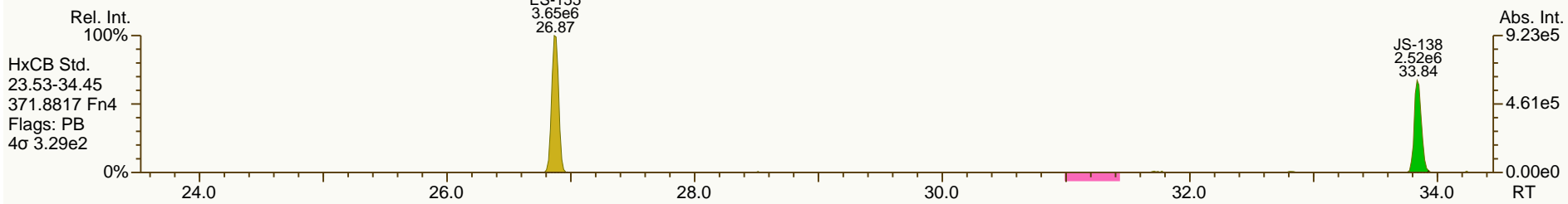
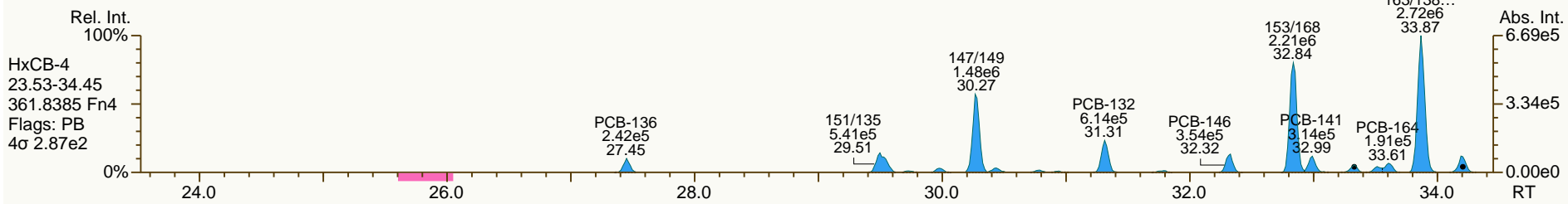
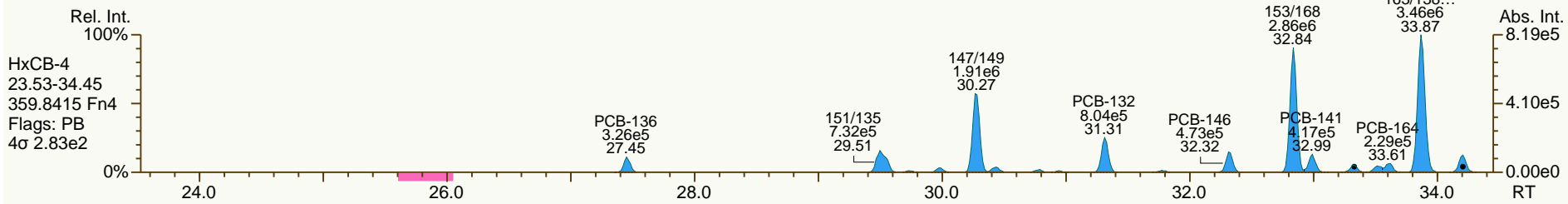
Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

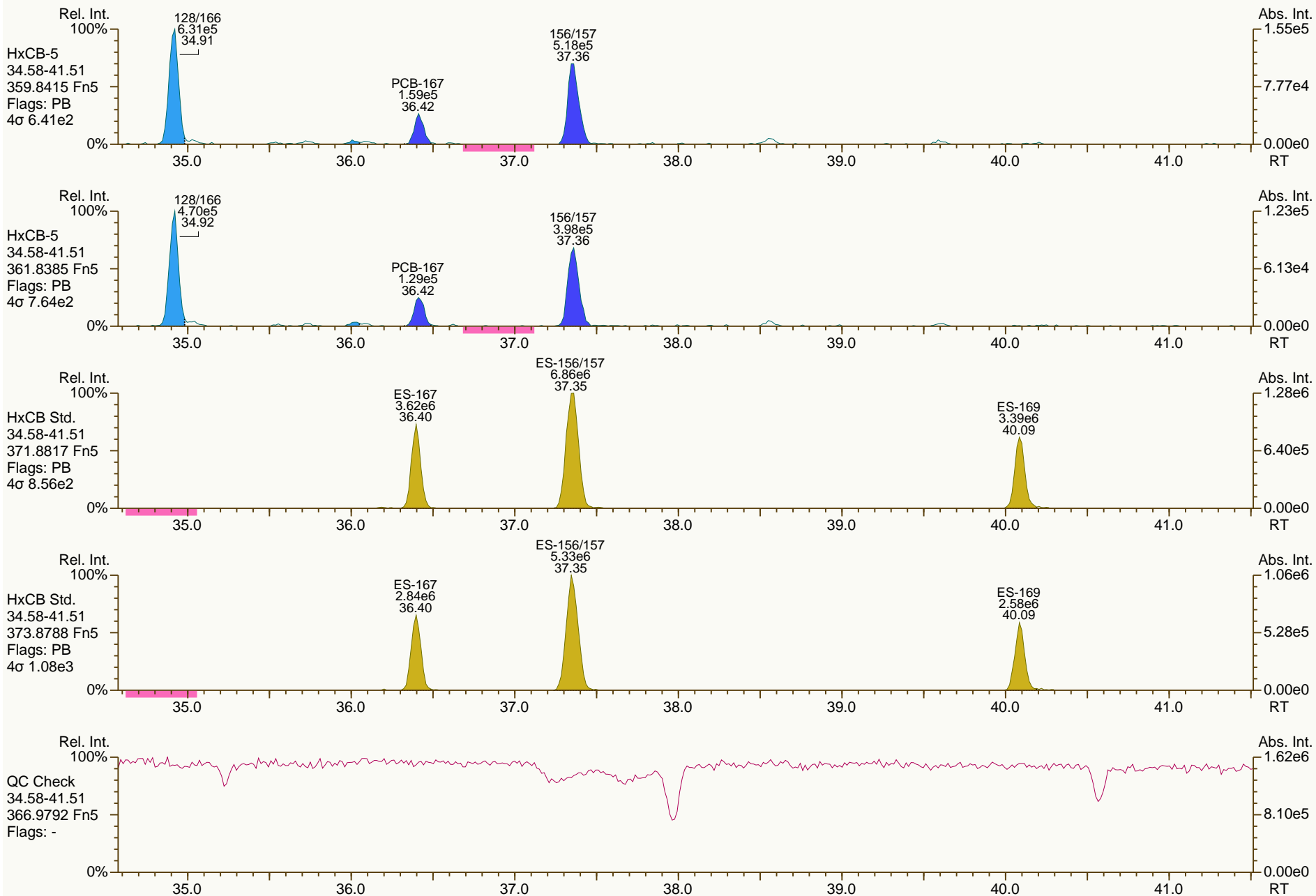
Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

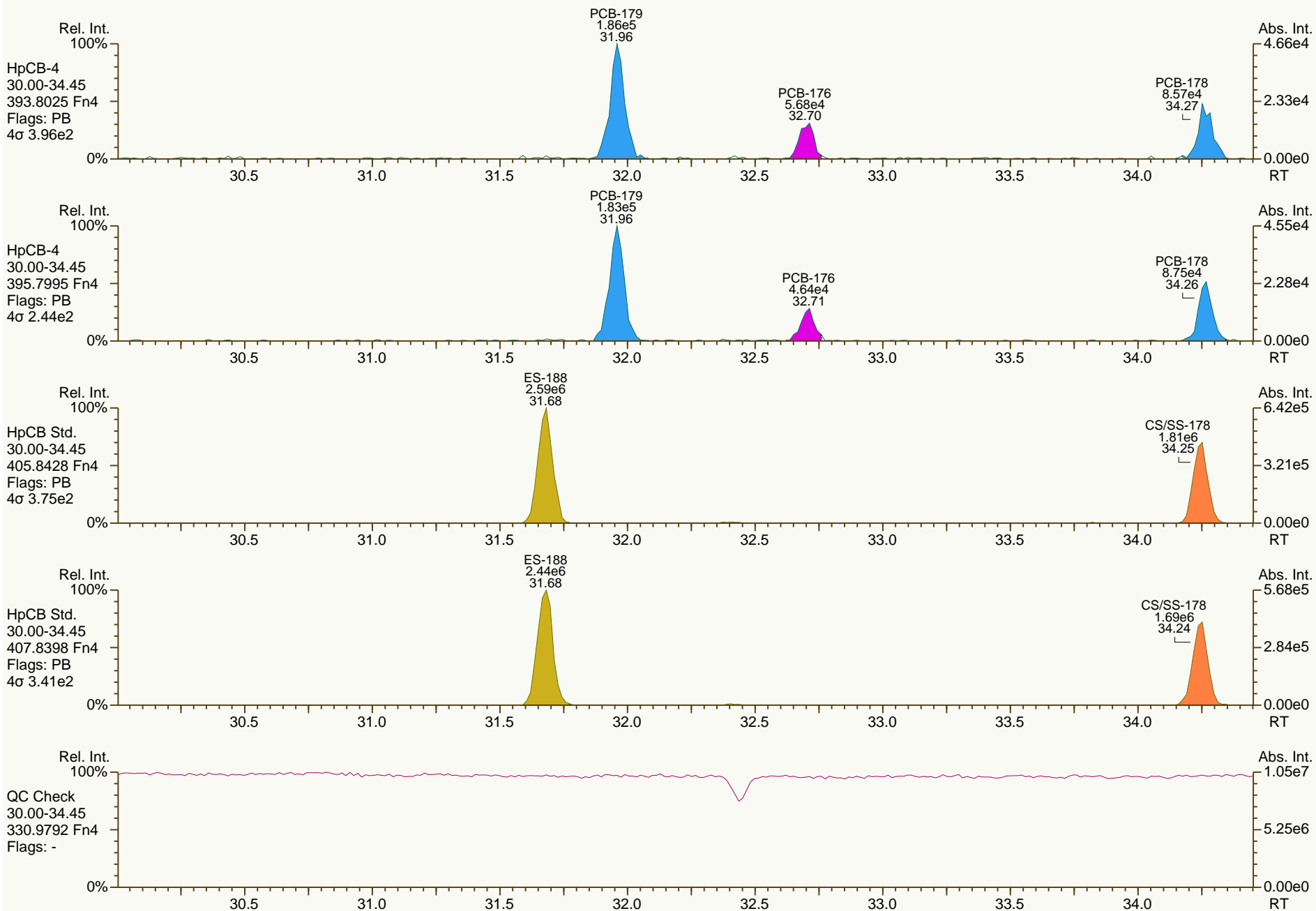
Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

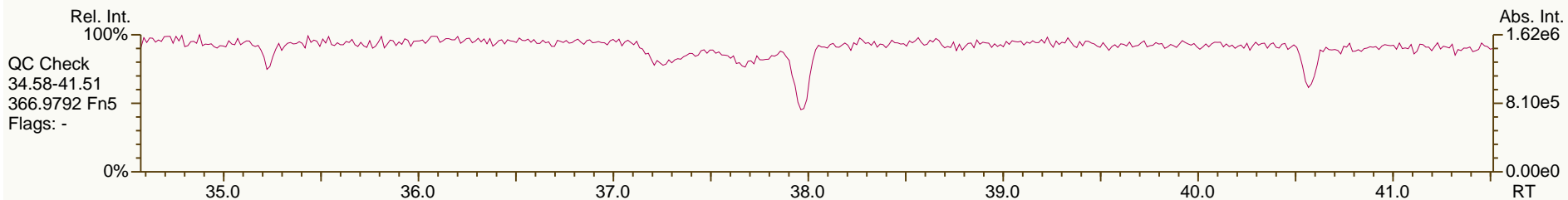
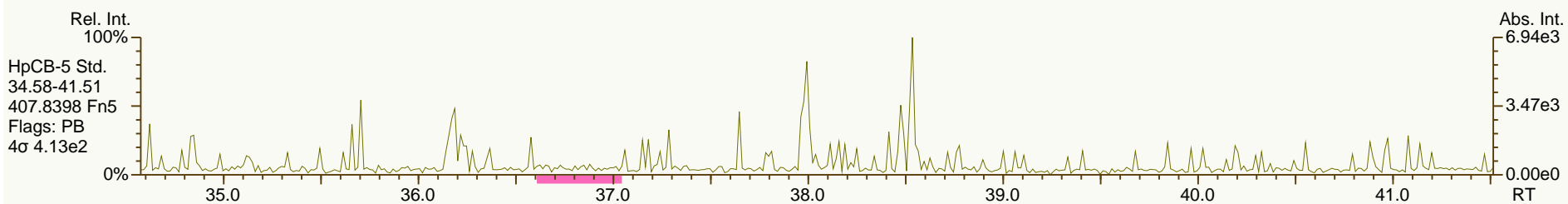
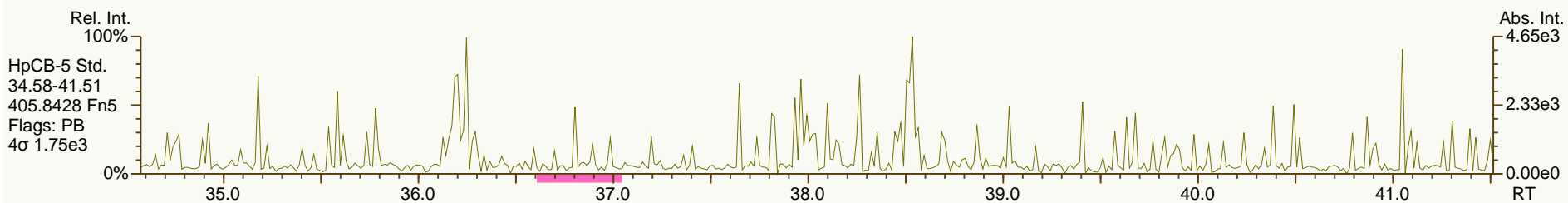
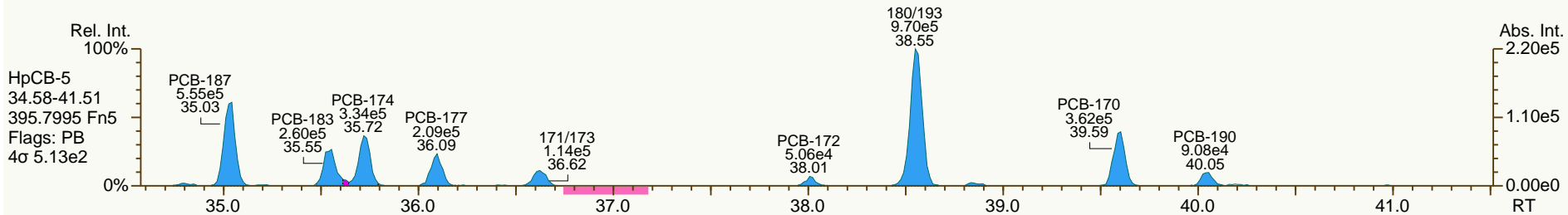
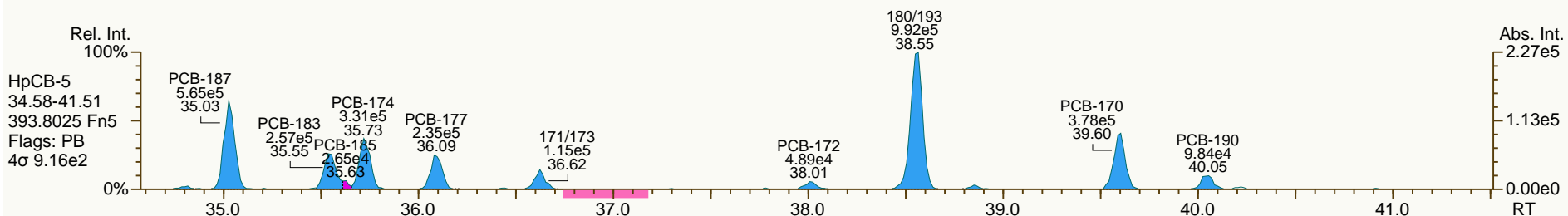
Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

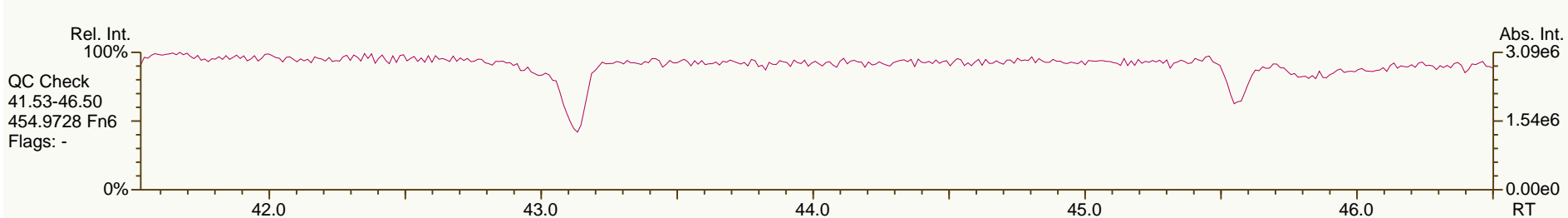
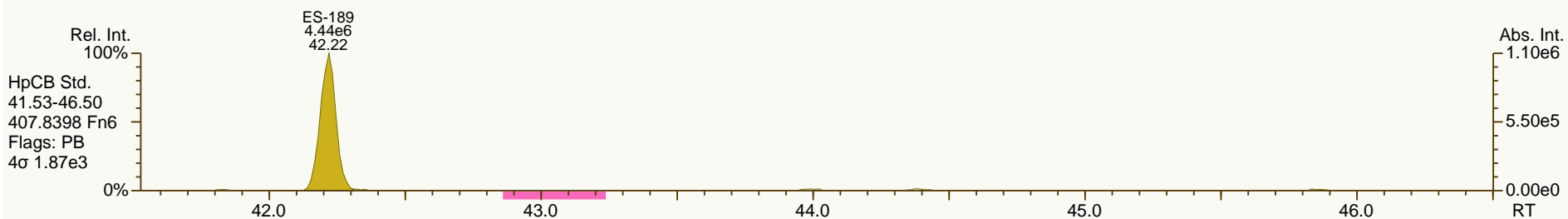
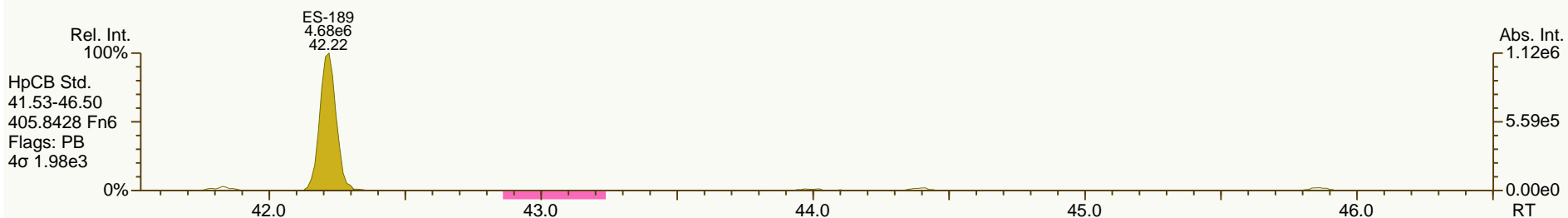
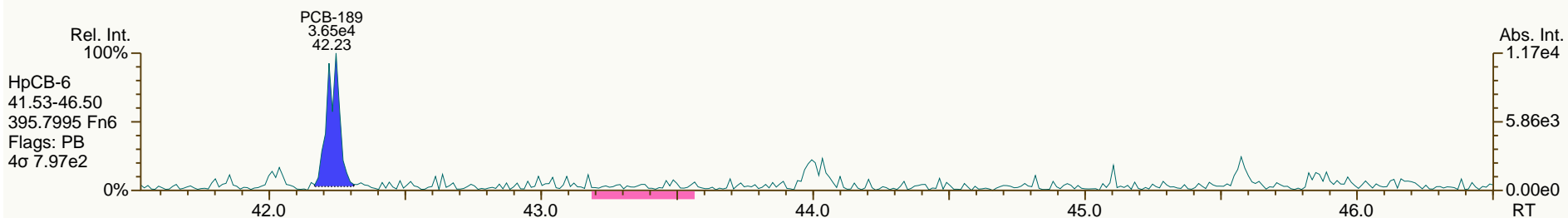
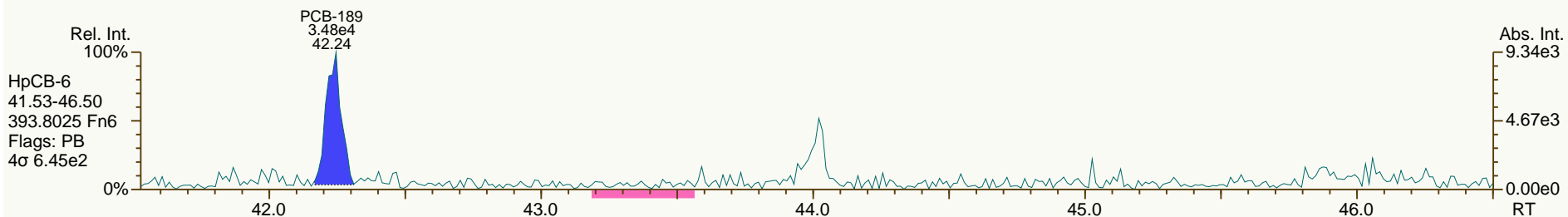
Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

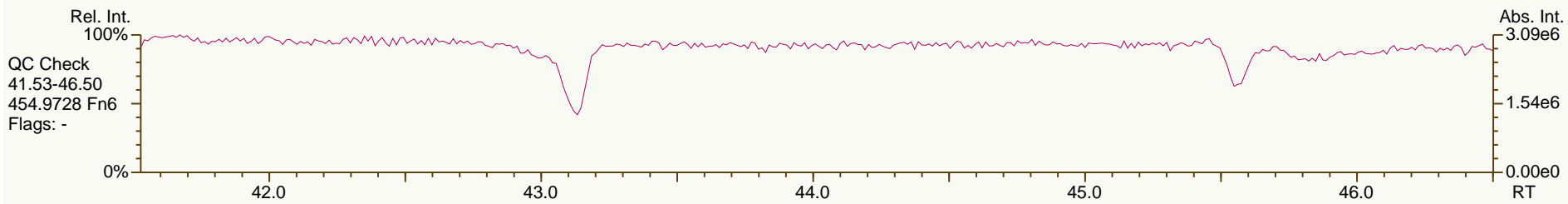
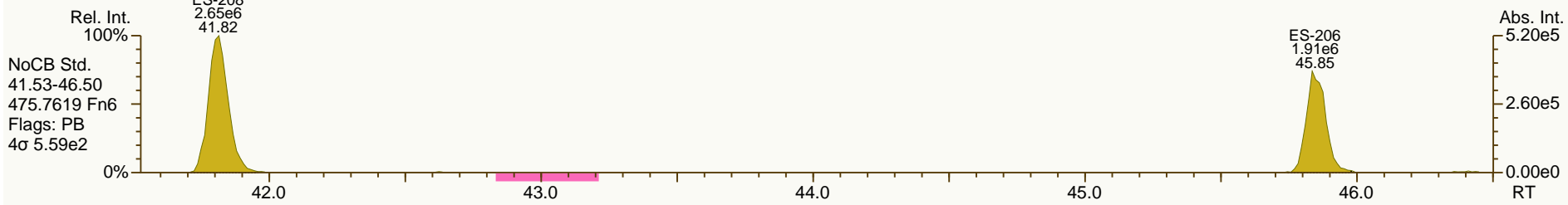
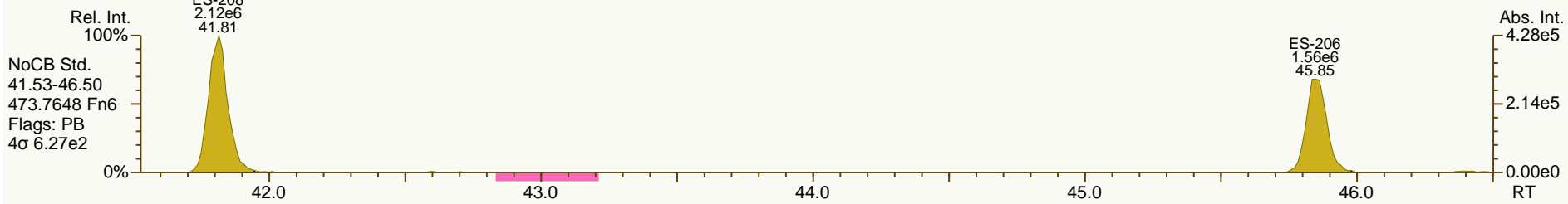
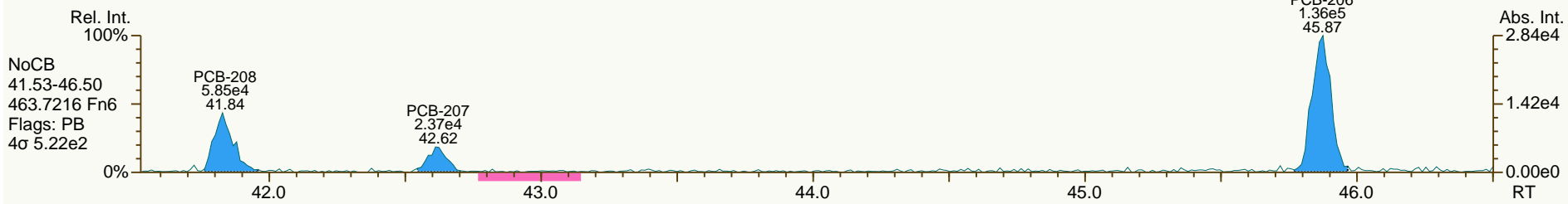
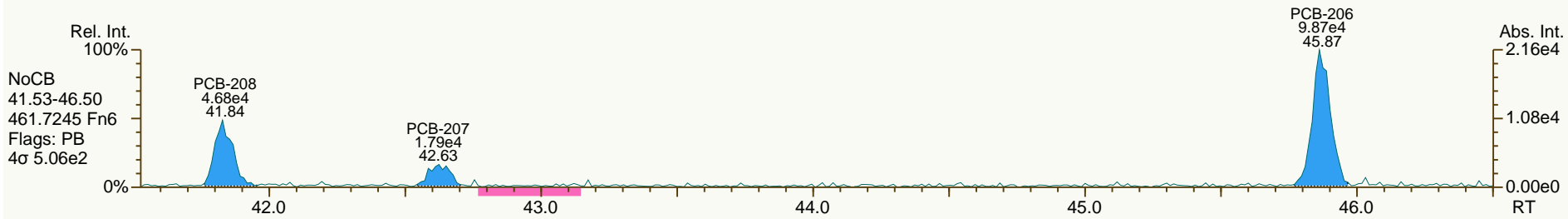
Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

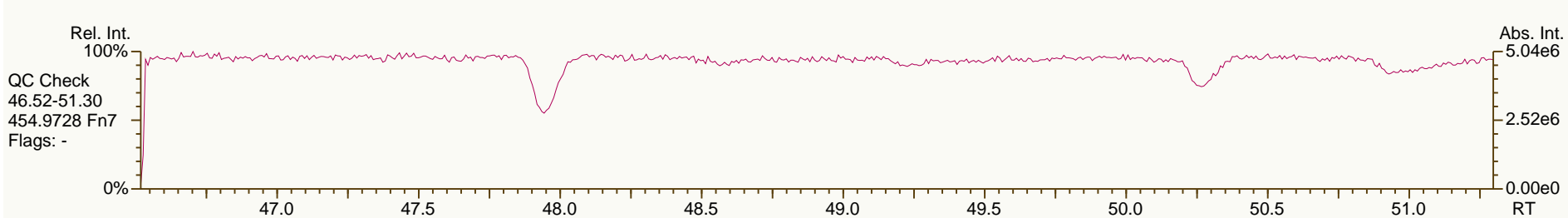
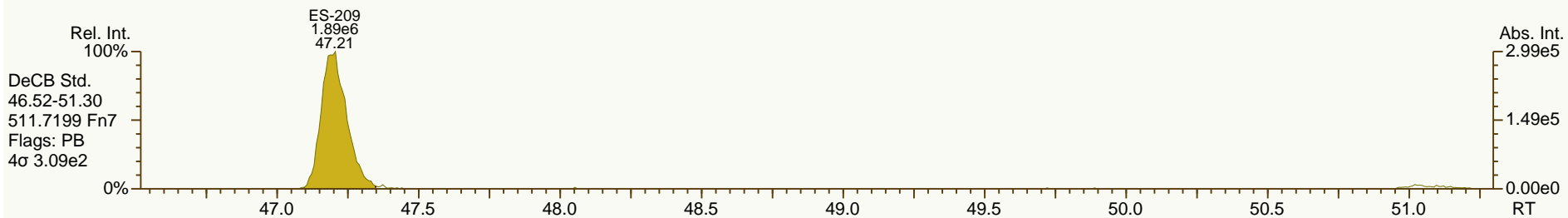
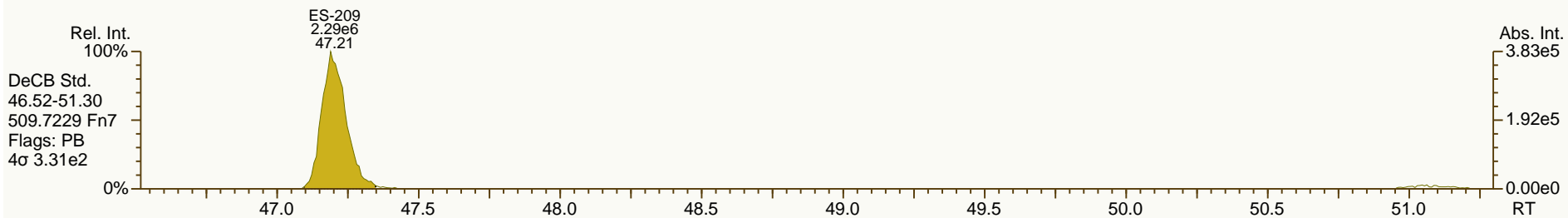
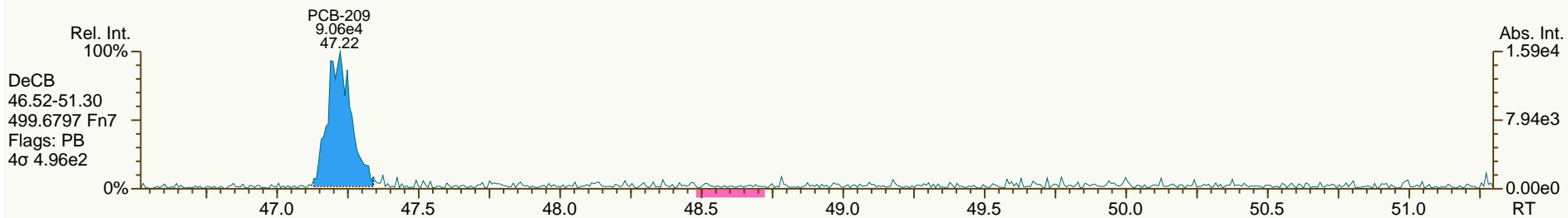
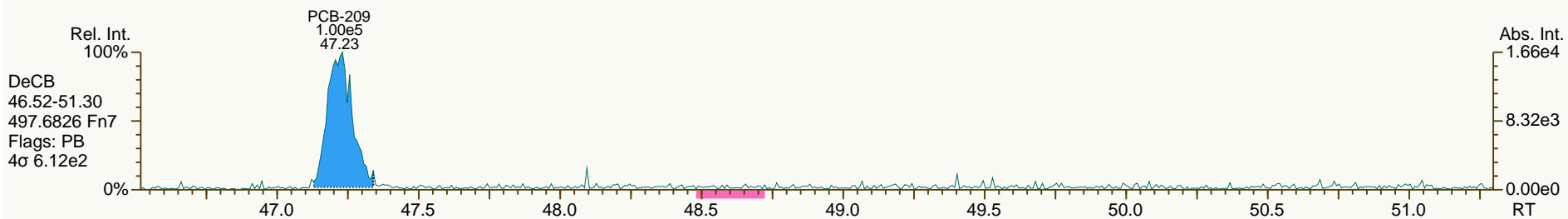
Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

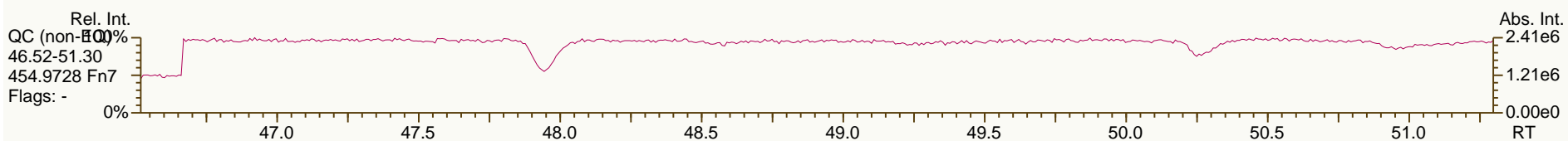
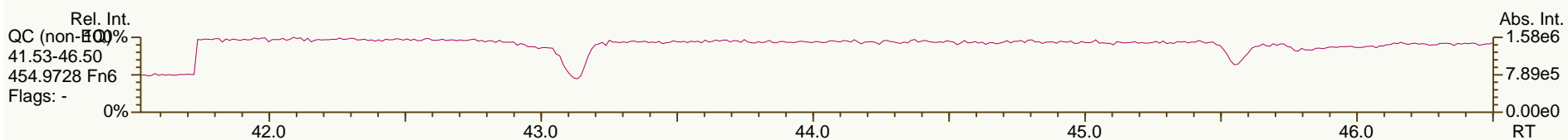
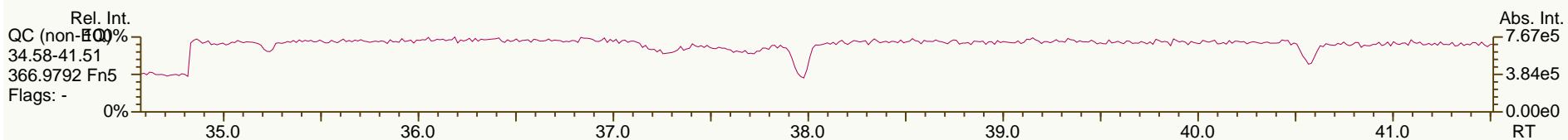
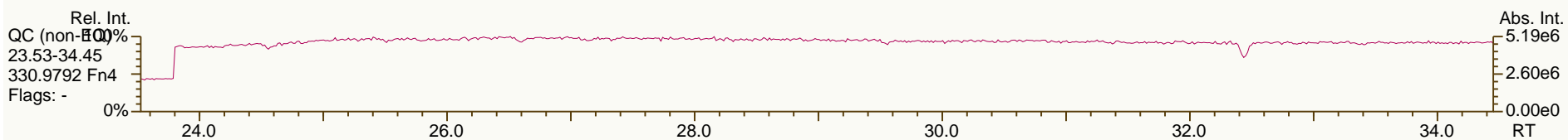
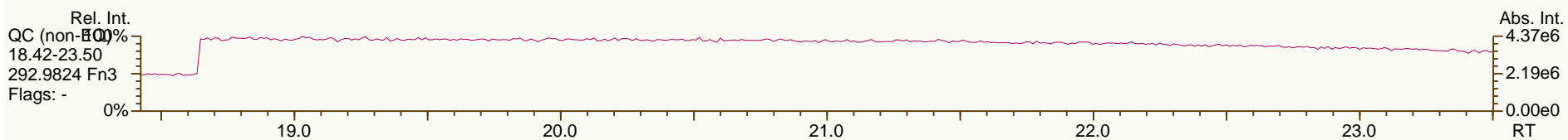
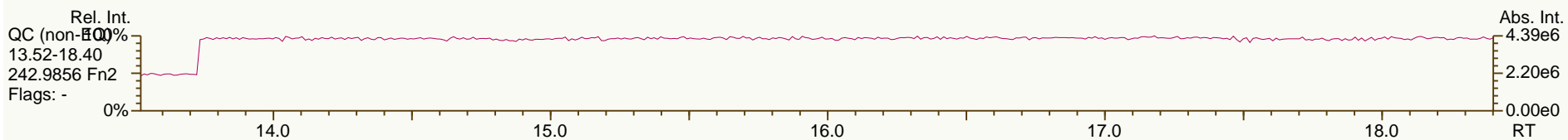
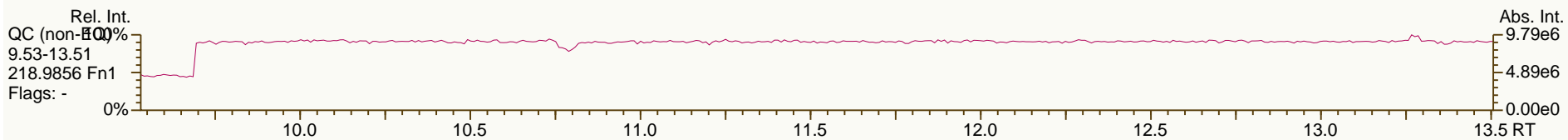
Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

Acq: 05-Jul-2012 16:26:10
 User: LKB Datafile: 120705S06



Lab ID: A4371_9893_PCB_003-RJ

ACQ: 05-Jul-2012 17:21:14 LKB Wt/Vol: 9.38 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120705_PCB_SA

Client ID: JW-EA06-COMP-120507

UTP: 09-Jul-2012 14:47 LKB

J-level: 1.07 pg/g Split: 1

Checkcode: 033-382-PPF

Datafile: 120705S07

RPT: 09-Jul-2012 15:35 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.29		1.0006	1.0007	+0.2	1.65E+06	0.74	1.22	10.8	2.02E+03	0.134
PCB-81 344'5'-TeCB	28.83	J EMPC	1.0006	1.0008	+0.3	5.06E+04	0.62	1.24	0.311	2.02E+03	0.123
PCB-105 233'44'-PeCB	32.23		1.0007	1.0007	0	4.15E+06	0.61	1.03	52.9	7.81E+02	0.104
PCB-114 2344'5'-PeCB	31.70		1.0007	1.0007	0	2.03E+05	0.58	1.10	2.47	7.81E+02	0.0993
PCB-118 23'44'5'-PeCB	31.26		1.0008	1.0007	-0.2	1.12E+07	0.62	1.03	136	7.81E+02	0.0925
PCB-123 23'44'5'-PeCB	30.99		1.0007	1.0009	+0.4	1.62E+05	0.66	0.93	2.18	7.81E+02	0.101
PCB-126 33'44'5'-PeCB	34.84	J	1.0005	1.0003	-0.4	7.21E+04	0.54	1.11	0.575	1.73E+03	0.142
PCB-156/157 ...-HxCB	37.37	C	1.0005	1.0002	-0.7	1.24E+06	1.33	1.05	17.2	1.81E+03	0.338
PCB-167 23'44'55'-HxCB	36.43		1.0006	1.0006	0	4.36E+05	1.27	1.08	5.6	1.81E+03	0.242
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.81E+03	0.303
PCB-189 233'44'55'-HpCB	42.26		1.0005	1.0004	-0.3	1.31E+05	1.12	1.11	1.2	1.81E+03	0.177
PCB-209 DeCB	47.25		1.0004	1.0004	0	3.86E+05	1.14	1.05	8	1.24E+03	0.395
ES PCB-1	9.85		0.7181	0.7178	-0.2	1.66E+07	3.32	1.01	45.8 %	4%	100%
ES PCB-3	11.78		0.8583	0.8581	-0.1	1.91E+07	3.35	1.05	50.8 %	11%	106%
ES PCB-4	11.98		0.8732	0.8729	-0.2	9.76E+06	1.64	0.70	39.2 %	14%	107%
ES PCB-15	17.10		1.2453	1.2458	+0.5	3.14E+07	1.65	1.17	75.3 %	19%	107%
ES PCB-19	14.68		1.0698	1.0697	-0.1	1.09E+07	1.08	0.57	54.1 %	1%	108%
ES PCB-37	23.09		1.0865	1.0872	+1.0	2.48E+07	1.11	1.41	123 %	25%	123%
ES PCB-54	17.32		0.8157	0.8155	-0.2	1.36E+07	0.80	1.32	72.1 %	13%	105%
ES PCB-77	29.27	V	1.3777	1.3779	+0.4	2.66E+07	0.82	1.22	153 %	31%	109%
ES PCB-81	28.80	V	1.3557	1.3561	+0.7	2.78E+07	0.80	1.15	170 %	14%	127%
ES PCB-104	22.04		0.8147	0.8146	-0.1	1.29E+07	1.59	1.69	57.5 %	36%	115%
ES PCB-105	32.21		1.1906	1.1904	-0.4	1.63E+07	1.59	1.21	101 %	50%	111%
ES PCB-114	31.68		1.1709	1.1707	-0.4	1.60E+07	1.66	1.23	97.3 %	41%	121%
ES PCB-118	31.24		1.1547	1.1545	-0.4	1.70E+07	1.61	1.25	103 %	49%	111%
ES PCB-123	30.96		1.1444	1.1442	-0.4	1.72E+07	1.65	1.33	97.4 %	49%	116%
ES PCB-126	34.83	V	1.2871	1.2871	0	2.40E+07	1.66	1.36	133 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.88		0.7939	0.7940	+0.2	1.53E+07	1.26	1.40	102 %	25%	124%
ES PCB-156/157	37.37	V	1.1035	1.1036	+0.2	2.95E+07	1.28	1.13	122 %	40%	120%
ES PCB-167	36.41	V	1.0753	1.0754	+0.2	1.53E+07	1.27	1.13	127 %	45%	118%
ES PCB-169	40.11		1.1842	1.1846	+1.0	1.31E+07	1.29	1.14	107 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.69		0.7204	0.7200	-0.8	1.15E+07	1.08	1.34	80.2 %	23%	125%
ES PCB-189	42.24	V	0.9598	0.9597	-0.3	2.10E+07	1.07	1.77	129 %	47%	116%
ES PCB-202	36.20		0.8230	0.8226	-0.9	1.20E+07	0.88	1.27	88.3 %	31%	134%
ES PCB-205	44.41		1.0090	1.0090	0	1.26E+07	0.92	1.25	109 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.88		1.0424	1.0424	0	8.28E+06	0.81	1.07	84.3 %	38%	122%
ES PCB-208	41.83		0.9508	0.9505	-0.8	1.11E+07	0.76	1.34	90.5 %	31%	126%
ES PCB-209	47.23		1.0732	1.0731	-0.3	9.79E+06	1.22	1.18	89.9 %	43%	115%
CS/SS PCB-28	19.69		0.9269	0.9268	-0.1	2.67E+07	1.10	0.98	110 %	14%	131%
CS/SS PCB-111	29.34	V	1.0843	1.0841	-0.4	1.79E+07	1.62	0.90	116 %	57%	112%
CS/SS PCB-178	34.26		1.0118	1.0118	0	8.87E+06	1.07	0.65	119 %	57%	125%
CS PCB-28	19.69	V	0.9269	0.9268	-0.1	2.67E+07	1.10	1.39	135 %	14%	131%
CS PCB-111	29.34	V	1.0843	1.0841	-0.4	1.79E+07	1.62	1.19	113 %	57%	112%
CS PCB-178	34.26		1.0118	1.0118	0	8.87E+06	1.07	0.87	95.4 %	57%	125%
JS PCB-9	13.72					3.56E+07	1.65				
JS PCB-52	21.24					1.43E+07	0.80				
JS PCB-101	27.06					1.33E+07	1.64				
JS PCB-138	33.86					1.07E+07	1.34				
JS PCB-194	44.01					9.20E+06	0.92				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	24.6	24.6	0.129		
						Di-CBs	107	107	1.1		
						Tri-CBs	384	387	0.385		
						Tetra-CBs	643	644	0.0922		
						Penta-CBs	850	851	0.102		
						Hexa-CBs	755	755	0.237		
						Hepta-CBs	244	244	0.171		
						Octa-CBs	79.8	79.8	0.209		
						Nona-CBs	16.6	16.6	0.32		
PCB-1 2-MoCB	9.86		1.0011	1.0010	-0.1	9.47E+05	3.17	1.20	10.2	2.25E+03	0.117
PCB-2 3-MoCB	11.63		0.9878	0.9878	0	5.34E+05	3.31	1.25	4.78	2.25E+03	0.126
PCB-3 4-MoCB	11.79		1.0010	1.0010	0	9.77E+05	3.38	1.13	9.67	2.25E+03	0.14
PCB-4 22'-DiCB	11.99		1.0012	1.0012	0	4.10E+05	1.45	0.94	9.49	1.04E+04	1.44
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.65	ND	1.04E+04	0.821
PCB-9 25-DiCB	13.74		1.0011	1.0011	0	1.78E+05	SI	0.92	1.31	8.38E+03	0.5
PCB-7 24-DiCB	13.88	J	1.0116	1.0116	0	1.54E+05	SI	1.04	1	8.38E+03	0.443
PCB-6 23'-DiCB	14.08		1.0261	1.0262	+0.1	7.58E+05	1.52	1.01	5.11	1.40E+04	0.767
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.99	ND	1.40E+04	0.783
PCB-8 24'-DiCB	14.46		1.0533	1.0534	+0.1	3.87E+06	1.60	1.03	25.4	1.40E+04	0.748
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.15	ND	1.40E+04	0.674
PCB-11 33'-DiCB	16.58	B	0.9701	0.9700	-0.1	5.53E+06	1.58	0.95	39.3	1.40E+04	0.81
PCB-13/12 34'/34-DiCB	16.84	C	0.9855	0.9849	-0.6	4.86E+05	1.54	0.98	3.37	1.40E+04	0.791
PCB-15 44'-DiCB	17.11		1.0008	1.0009	+0.1	3.20E+06	1.58	1.01	21.6	1.40E+04	0.768

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.70		1.0011	1.0012	+0.1	1.64E+05	0.97	1.01	3.17	2.50E+03	0.35
PCB-30/18 246/22'5-TrCB	16.32	C	1.1110	1.1115	+0.5	2.90E+06	1.07	1.24	45.4	2.50E+03	0.285
PCB-17 22'4-TrCB	16.67		1.1357	1.1358	+0.1	1.19E+06	0.97	1.05	22.1	2.50E+03	0.338
PCB-27 23'6-TrCB	16.85		1.1479	1.1480	+0.1	2.63E+05	1.08	1.39	3.68	2.50E+03	0.254
PCB-24 236-TrCB	16.97	J EMPC	1.1558	1.1560	+0.2	4.92E+04	1.29	1.33	0.721	2.50E+03	0.266
PCB-16 22'3-TrCB	17.05		1.1612	1.1616	+0.4	8.72E+05	1.05	0.83	20.4	2.50E+03	0.425
PCB-32 24'6-TrCB	17.51		1.1923	1.1925	+0.2	1.26E+06	1.08	1.50	16.4	2.50E+03	0.236
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.36	ND	6.33E+03	0.37
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	6.33E+03	0.353
PCB-26/29 23'5/245-TrCB	18.99	C	0.8236	0.8221	-1.7	1.89E+06	1.07	1.42	11.5	6.33E+03	0.356
PCB-25 23'4-TrCB	19.19		0.8315	0.8308	-0.8	9.85E+05	1.05	1.42	5.95	6.33E+03	0.354
PCB-31 24'5-TrCB	19.45		0.8430	0.8424	-0.7	1.21E+07	1.07	1.48	70.3	6.33E+03	0.341
PCB-28/20 244'/233'-TrCB	19.71	C	0.8542	0.8533	-1.1	1.51E+07	1.08	1.41	91.5	6.33E+03	0.356
PCB-21/33 234/23'4'-TrCB	19.90	C	0.8612	0.8617	+0.6	6.01E+06	1.09	1.43	36	6.33E+03	0.351
PCB-22 234'-TrCB	20.23		0.8766	0.8760	-0.7	4.18E+06	1.08	1.34	26.9	6.33E+03	0.377
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.39	ND	6.33E+03	0.363
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.44	ND	6.33E+03	0.35
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	6.33E+03	0.394
PCB-35 33'4-TrCB	22.77	EMPC	0.9860	0.9859	-0.1	2.88E+05	1.41	1.28	1.94	6.33E+03	0.395
PCB-37 344'-TrCB	23.11		1.0008	1.0008	0	4.29E+06	1.10	1.20	30.8	6.33E+03	0.42
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	5.24E+02	0.0717
PCB-50/53 22'46/22'56'-TeCB	19.20	C	0.9051	0.9038	-1.5	5.79E+05	0.81	0.80	5.55	6.61E+02	0.063
PCB-45 22'36-TeCB	19.76		0.9304	0.9304	0	5.16E+05	0.74	0.68	5.8	6.61E+02	0.0739
PCB-51 22'46'-TeCB	19.84		0.9340	0.9340	0	1.85E+05	0.72	0.81	1.76	6.61E+02	0.0624
PCB-46 22'36'-TeCB	20.02		0.9429	0.9426	-0.4	2.07E+05	0.80	0.66	2.41	6.61E+02	0.0766
PCB-52 22'55'-TeCB	21.26		1.0010	1.0010	0	7.46E+06	0.78	0.73	77.7	6.61E+02	0.0685
PCB-73 23'5'6-TeCB	21.38	J EMPC	1.0069	1.0065	-0.5	1.54E+04	0.66	0.97	0.122	6.61E+02	0.0521
PCB-43 22'35-TeCB	21.46		1.0106	1.0105	-0.1	1.47E+05	0.86	0.67	1.69	6.61E+02	0.0754
PCB-69/49 23'46/22'45'-TeCB	21.68	C	1.0198	1.0207	+1.2	4.36E+06	0.79	0.90	37	6.61E+02	0.0558
PCB-48 22'45-TeCB	21.92		1.0319	1.0321	+0.3	9.91E+05	0.73	0.74	10.2	6.61E+02	0.0679
PCB-44/47/65 ...-TeCB	22.11	C	1.0416	1.0408	-1.1	6.22E+06	0.78	0.80	59.4	6.61E+02	0.0627
PCB-59/62/75 ...-TeCB	22.39	C	1.0541	1.0540	-0.1	5.77E+05	0.74	1.01	4.38	6.61E+02	0.0499
PCB-42 22'34'-TeCB	22.55		1.0612	1.0616	+0.5	1.40E+06	0.76	0.71	15.1	6.61E+02	0.0713
PCB-41 22'34-TeCB	22.86		1.0759	1.0763	+0.5	3.63E+05	0.74	0.62	4.49	6.61E+02	0.0814
PCB-71/40 23'4'6/22'33'-TeCB	22.97	C	1.0806	1.0813	+1.0	2.56E+06	0.79	0.77	25.6	6.61E+02	0.0657
PCB-64 234'6-TeCB	23.16		1.0899	1.0905	+0.8	3.21E+06	0.78	1.07	22.9	6.61E+02	0.0469
PCB-72 23'55'-TeCB	23.93		0.8295	0.8307	+1.7	2.22E+05	0.69	1.28	1.33	2.02E+03	0.12
PCB-68 23'45'-TeCB	24.18	J	0.8379	0.8393	+2.0	1.43E+05	0.83	1.33	0.82	2.02E+03	0.115
PCB-57 233'5-TeCB	24.53	J EMPC	0.8501	0.8515	+2.1	5.26E+04	0.96	1.20	0.336	2.02E+03	0.128
PCB-58 233'5'-TeCB	24.73	J	0.8568	0.8584	+2.4	5.83E+04	0.84	1.20	0.374	2.02E+03	0.128
PCB-67 23'45-TeCB	24.88		0.8620	0.8636	+2.4	5.63E+05	0.79	1.23	3.52	2.02E+03	0.125
PCB-63 234'5-TeCB	25.09		0.8697	0.8710	+2.0	6.09E+05	0.82	1.32	3.54	2.02E+03	0.116
PCB-61/70/74/76 ...-TeCB	25.37	C	0.8792	0.8808	+2.4	2.82E+07	0.79	1.23	175	2.02E+03	0.125
PCB-66 23'44'-TeCB	25.62		0.8888	0.8896	+1.2	1.59E+07	0.79	1.16	105	2.02E+03	0.133
PCB-55 233'4-TeCB	25.75		0.8932	0.8938	+0.9	2.23E+05	0.74	1.17	1.46	2.02E+03	0.131

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.17		0.9080	0.9084	+0.6	6.64E+06	0.77	1.15	44.3	2.02E+03	0.134
PCB-60 2344'-TeCB	26.35		0.9144	0.9147	+0.5	3.30E+06	0.78	1.21	20.9	2.02E+03	0.127
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.34	ND	2.02E+03	0.115
PCB-79 33'45'-TeCB	27.98		0.9718	0.9716	-0.3	1.92E+05	0.78	1.26	1.17	2.02E+03	0.122
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.04	ND	2.02E+03	0.148
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	4.63E+02	0.0742
PCB-96 22'366'-PeCB	22.35	J	1.0141	1.0139	-0.3	4.49E+04	0.55	0.93	0.795	4.63E+02	0.073
PCB-103 22'45'6'-PeCB	24.07		0.8883	0.8896	+1.9	8.91E+04	0.67	0.86	1.28	7.81E+02	0.108
PCB-94 22'356'-PeCB	24.25	J	0.8946	0.8961	+2.2	2.83E+04	0.58	0.76	0.464	7.81E+02	0.123
PCB-95 22'35'6'-PeCB	24.62		0.9082	0.9098	+2.4	4.97E+06	0.61	0.83	74.4	7.81E+02	0.113
PCB-100/93 22'44'6'/22'356'-PeCB	24.82	J C	0.9158	0.9173	+2.2	7.46E+04	0.61	0.83	1.11	7.81E+02	0.113
PCB-102 22'456'-PeCB	24.93		0.9198	0.9214	+2.4	2.21E+05	0.60	0.98	2.81	7.81E+02	0.0956
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.72	ND	7.81E+02	0.13
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.74	ND	7.81E+02	0.127
PCB-91 22'34'6'-PeCB	25.34		0.9352	0.9363	+1.7	1.00E+06	0.62	0.90	13.7	7.81E+02	0.103
PCB-84 22'33'6'-PeCB	25.50		0.9416	0.9425	+1.4	1.56E+06	0.58	0.71	27.4	7.81E+02	0.132
PCB-89 22'346'-PeCB	25.90		0.9567	0.9572	+0.8	7.41E+04	0.61	0.74	1.24	7.81E+02	0.126
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.07	ND	7.81E+02	0.0875
PCB-92 22'355'-PeCB	26.59		0.9825	0.9826	+0.2	1.43E+06	0.61	0.74	23.7	7.81E+02	0.125
PCB-113/90/101 ...-PeCB	27.08	C	0.9999	1.0008	+1.5	9.37E+06	0.61	0.88	132	7.81E+02	0.106
PCB-83 22'33'5'-PeCB	27.46		1.0150	1.0149	-0.2	3.65E+05	0.63	0.64	7.01	7.81E+02	0.145
PCB-99 22'44'5'-PeCB	27.57		1.0190	1.0189	-0.2	4.82E+06	0.61	0.78	76.6	7.81E+02	0.12
PCB-112 233'56'-PeCB	27.70	J EMPC	1.0224	1.0236	+2.0	1.07E+04	0.72	1.03	0.128	7.81E+02	0.0903
PCB-108/119/86/97/125...-PeCB	28.02	C	1.0347	1.0355	+1.3	6.01E+06	0.61	0.90	82.8	7.81E+02	0.104
PCB-117 234'56'-PeCB	28.51		1.0539	1.0535	-0.7	1.92E+05	0.62	0.71	3.33	7.81E+02	0.131
PCB-116/85 23456/22'344'-PeCB	28.58	C	1.0566	1.0562	-0.7	1.57E+06	0.62	1.00	19.5	7.81E+02	0.0933
PCB-110 233'4'6'-PeCB	28.72		1.0615	1.0614	-0.2	1.23E+07	0.61	0.99	153	7.81E+02	0.0939
PCB-115 2344'6'-PeCB	28.82		1.0644	1.0650	+1.0	1.38E+05	0.64	1.00	1.7	7.81E+02	0.093
PCB-82 22'33'4'-PeCB	28.97		1.0711	1.0708	-0.5	7.98E+05	0.60	0.65	15.3	7.81E+02	0.144
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.04	ND	7.81E+02	0.09
PCB-120 23'455'-PeCB	29.75	J EMPC	1.0994	1.0993	-0.2	6.25E+04	0.76	1.04	0.745	7.81E+02	0.0897
PCB-107/124 ...-PeCB	30.69	C	0.9909	0.9910	+0.2	3.58E+05	0.59	0.96	4.62	7.81E+02	0.0973
PCB-109 233'46'-PeCB	30.89		0.9976	0.9977	+0.2	8.56E+05	0.61	0.98	10.8	7.81E+02	0.0954
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.94	ND	7.81E+02	0.0998
PCB-122 233'4'5'-PeCB	31.54		1.0095	1.0096	+0.2	1.21E+05	0.70	0.97	1.67	7.81E+02	0.113
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.94	ND	7.81E+02	0.113
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	5.13E+02	0.0646
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	5.13E+02	0.0686
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.02	ND	5.13E+02	0.0669
PCB-136 22'33'66'-HxCB	27.46		1.0216	1.0216	0	1.08E+06	1.23	0.92	16.4	5.13E+02	0.074
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	5.13E+02	0.0717
PCB-148 22'34'56'-HxCB	29.03	J	1.0801	1.0799	-0.3	2.36E+04	1.11	0.72	0.456	5.13E+02	0.0946
PCB-151/135 ...-HxCB	29.52	C	1.0986	1.0981	-0.9	2.37E+06	1.24	0.70	47.2	5.13E+02	0.0975
PCB-154 22'44'56'-HxCB	29.74		1.1067	1.1064	-0.5	1.82E+05	1.33	0.78	3.24	5.13E+02	0.0873
PCB-144 22'345'6'-HxCB	29.99		1.1158	1.1156	-0.4	3.20E+05	1.31	0.70	6.39	5.13E+02	0.0976

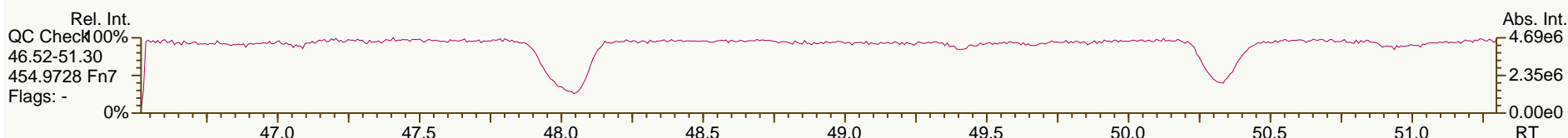
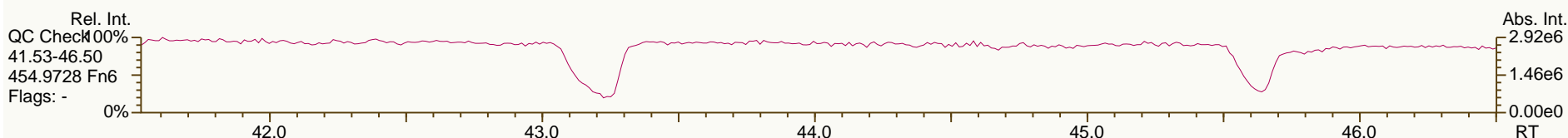
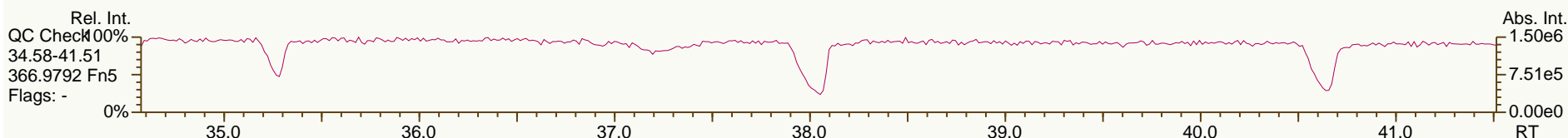
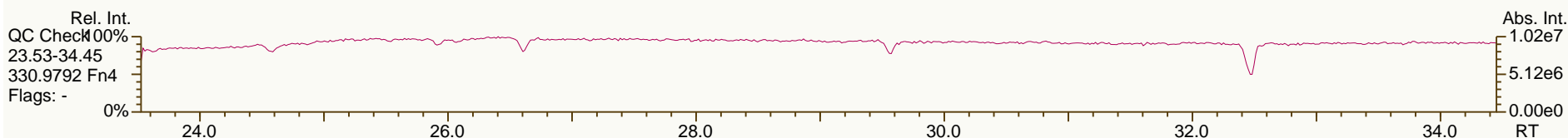
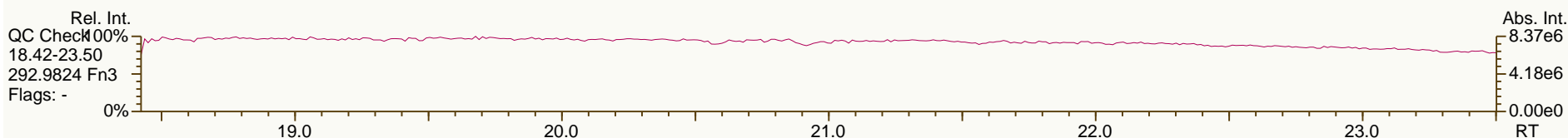
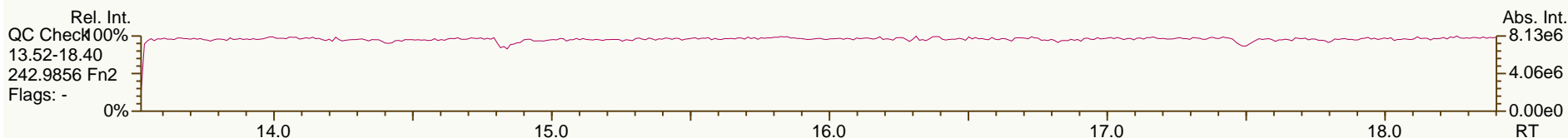
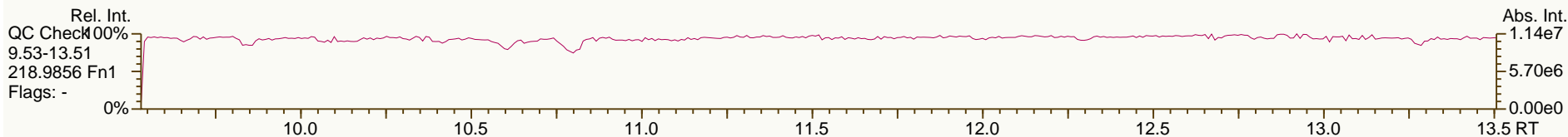
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.28	C	1.1269	1.1265	-0.7	6.29E+06	1.24	0.72	122	5.13E+02	0.0951
PCB-134 22'33'56"-HxCB	30.44		1.1326	1.1324	-0.4	3.53E+05	1.23	0.59	8.4	5.13E+02	0.116
PCB-143 22'34'56"-HxCB	30.54	J	1.1356	1.1361	+0.9	2.08E+04	1.26	0.66	0.437	5.13E+02	0.103
PCB-139/140 ...-HxCB	30.79	C	1.1458	1.1454	-0.7	1.54E+05	1.19	0.73	2.94	5.13E+02	0.0932
PCB-131 22'33'46"-HxCB	30.95		1.1516	1.1514	-0.4	8.60E+04	1.16	0.61	1.97	5.13E+02	0.112
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.62	ND	5.13E+02	0.11
PCB-132 22'33'46"-HxCB	31.32		1.1655	1.1652	-0.6	2.25E+06	1.22	0.64	49.1	5.13E+02	0.107
PCB-133 22'33'55"-HxCB	31.79		1.1826	1.1825	-0.2	1.62E+05	1.22	0.64	3.53	5.13E+02	0.107
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.79	ND	5.13E+02	0.0868
PCB-146 22'34'55"-HxCB	32.33		0.9550	0.9549	-0.2	1.57E+06	1.23	0.68	32.4	5.13E+02	0.101
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.88	ND	5.13E+02	0.0779
PCB-153/168 ...-HxCB	32.85	C	0.9709	0.9702	-1.4	9.27E+06	1.24	0.89	146	5.13E+02	0.0768
PCB-141 22'34'55"-HxCB	33.00		0.9746	0.9746	0	1.22E+06	1.27	0.65	26.3	5.13E+02	0.105
PCB-130 22'33'45"-HxCB	33.34		0.9847	0.9846	-0.2	5.22E+05	1.24	0.58	12.5	5.13E+02	0.117
PCB-137 22'34'4'5"-HxCB	33.53		0.9904	0.9902	-0.4	3.26E+05	1.12	0.66	6.89	5.13E+02	0.103
PCB-164 233'4'5'6"-HxCB	33.62		0.9930	0.9929	-0.2	6.86E+05	1.25	0.89	10.8	5.13E+02	0.0769
PCB-163/138/129 ...-HxCB	33.88	C	1.0012	1.0008	-0.8	1.01E+07	1.28	0.72	197	5.13E+02	0.0953
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.86	ND	5.13E+02	0.0797
PCB-158 233'44'6"-HxCB	34.21		1.0106	1.0106	0	1.08E+06	1.33	0.93	16.2	5.13E+02	0.0731
PCB-128/166 ...-HxCB	34.93	C	0.9593	0.9593	0	1.58E+06	1.21	0.99	22.2	1.81E+03	0.265
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.05	ND	1.81E+03	0.249
PCB-162 233'4'55"-HxCB	36.03	J	0.9896	0.9896	0	3.89E+04	1.39	1.12	0.482	1.81E+03	0.234
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	5.47E+02	0.0939
PCB-179 22'33'566"-HpCB	31.97		1.0089	1.0089	0	8.59E+05	1.04	1.04	15.4	5.47E+02	0.0966
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.00	ND	5.47E+02	0.0996
PCB-176 22'33'466"-HpCB	32.72		1.0324	1.0324	0	2.39E+05	1.08	1.11	3.97	5.47E+02	0.0899
PCB-186 22'34'566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.05	ND	5.47E+02	0.0956
PCB-178 22'33'55'6"-HpCB	34.28		1.0816	1.0817	+0.2	3.73E+05	1.12	0.80	8.63	5.47E+02	0.125
PCB-175 22'33'45'6"-HpCB	34.82		1.0985	1.0987	+0.4	6.93E+04	1.00	0.97	1.33	1.12E+03	0.213
PCB-187 22'34'55'6"-HpCB	35.04		1.1057	1.1059	+0.4	2.64E+06	1.00	1.03	47.5	1.12E+03	0.199
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1112	-		0.00E+00		1.02	ND	1.12E+03	0.201
PCB-183 22'34'4'5'6"-HpCB	35.56		1.1219	1.1223	+0.9	1.22E+06	1.11	1.08	21.1	1.12E+03	0.191
PCB-185 22'34'55'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.93	ND	1.12E+03	0.22
PCB-174 22'33'456"-HpCB	35.74		1.1276	1.1277	+0.2	1.52E+06	0.97	0.84	33.4	1.12E+03	0.243
PCB-177 22'33'45'6"-HpCB	36.11		1.1393	1.1394	+0.2	1.05E+06	1.09	0.83	23.2	1.12E+03	0.246
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.94	ND	1.12E+03	0.218
PCB-171/173 ...-HpCB	36.64	C	1.1556	1.1562	+1.3	4.53E+05	1.02	0.84	9.97	1.12E+03	0.244
PCB-172 22'33'455"-HpCB	38.01		0.9003	0.9000	-0.7	1.04E+05	1.15	0.61	1.73	1.12E+03	0.201
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.79	ND	1.12E+03	0.154
PCB-180/193 ...-HpCB	38.57	C	0.9127	0.9132	+1.2	4.14E+06	1.07	0.84	50	1.12E+03	0.145
PCB-191 233'44'5'6"-HpCB	38.87	J	0.9203	0.9202	-0.2	7.91E+04	1.05	0.80	1	1.12E+03	0.153
PCB-170 22'33'44'5"-HpCB	39.61		0.9380	0.9379	-0.2	1.41E+06	1.00	0.70	20.5	1.12E+03	0.175
PCB-190 233'44'56"-HpCB	40.06		0.9486	0.9485	-0.2	3.70E+05	1.08	0.78	4.8	1.12E+03	0.156
PCB-202 22'33'55'66"-OoCB	36.23		1.0006	1.0007	+0.2	2.57E+05	0.93	0.83	5.52	7.94E+02	0.197
PCB-201 22'33'45'66"-OoCB	37.00		1.0221	1.0220	-0.2	1.39E+05	0.83	0.99	2.49	7.94E+02	0.165

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.92	ND	7.94E+02	0.177
PCB-197 22'33'44'66'-OcCB	37.76	J	1.0431	1.0428	-0.7	2.59E+04	0.97	1.07	0.429	7.94E+02	0.152
PCB-200 22'33'4566'-OcCB	37.83		1.0451	1.0449	-0.5	1.11E+05	0.96	0.86	2.31	7.94E+02	0.19
PCB-198/199 ...-OcCB	40.22	C	1.1102	1.1110	+1.9	8.58E+05	0.93	0.69	21.9	7.94E+02	0.235
PCB-196 22'33'44'56'-OcCB	40.78		1.1260	1.1263	+0.7	3.31E+05	0.87	0.70	8.36	7.94E+02	0.232
PCB-203 22'344'55'6-OcCB	40.94		1.1306	1.1309	+0.7	5.38E+05	0.90	0.77	12.5	7.94E+02	0.213
PCB-195 22'33'44'56-OcCB	42.04		0.9469	0.9467	-0.5	2.70E+05	0.90	0.67	6.83	1.38E+03	0.362
PCB-194 22'33'44'55'-OcCB	44.03		0.9915	0.9915	0	8.22E+05	0.86	0.74	18.8	1.38E+03	0.326
PCB-205 233'44'55'6-OcCB	44.44	J	1.0004	1.0006	+0.5	4.31E+04	0.94	1.09	0.669	1.38E+03	0.222
PCB-208 22'33'455'66'-NoCB	41.86		1.0005	1.0005	0	1.79E+05	0.76	0.98	3.51	1.10E+03	0.274
PCB-207 22'33'44'566'-NoCB	42.64		1.0192	1.0193	+0.3	7.14E+04	0.80	1.01	1.34	1.10E+03	0.264
PCB-206 22'33'44'55'6-NoCB	45.90		1.0004	1.0004	0	4.24E+05	0.80	0.93	11.7	1.10E+03	0.365

AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

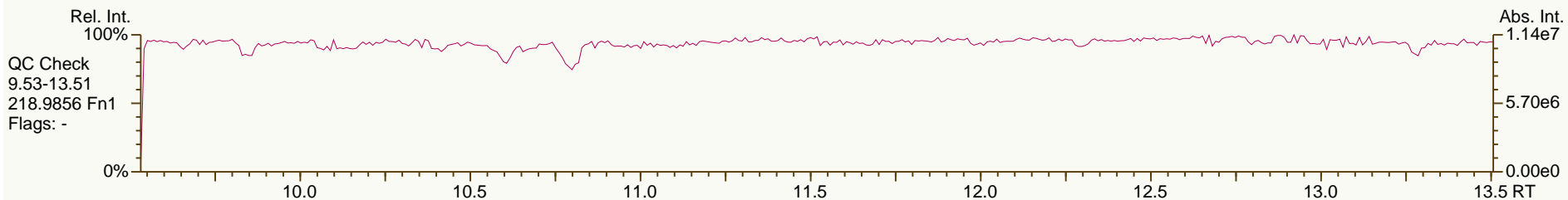
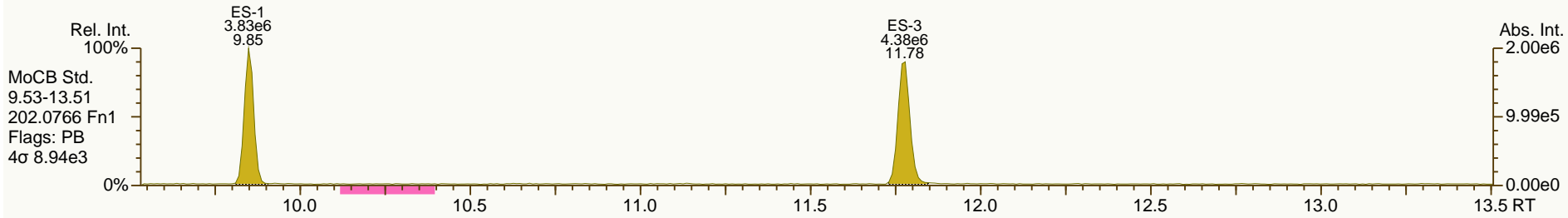
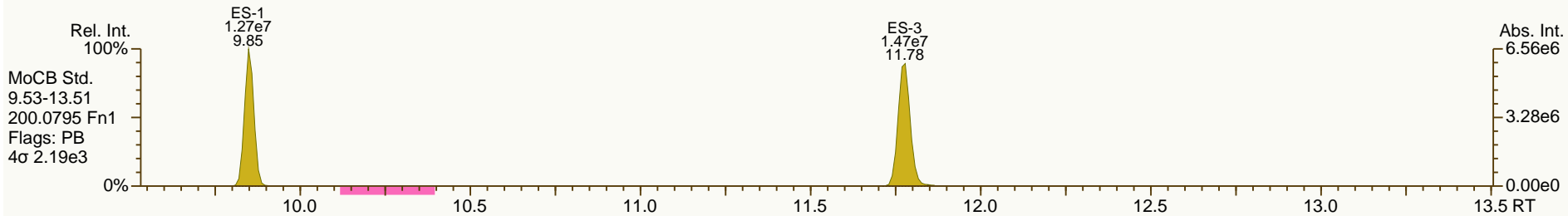
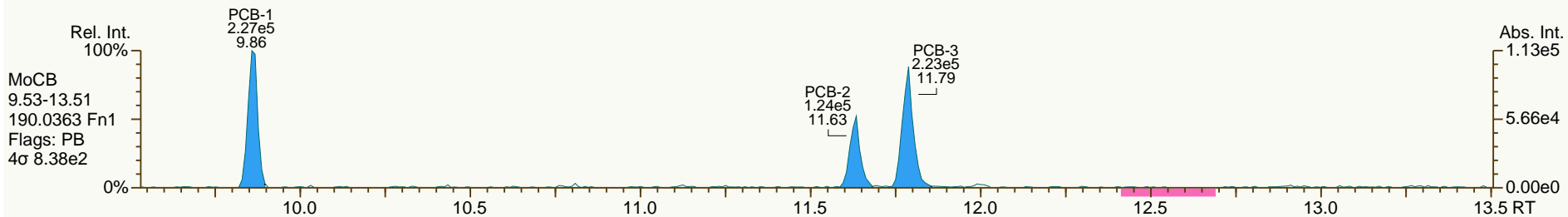
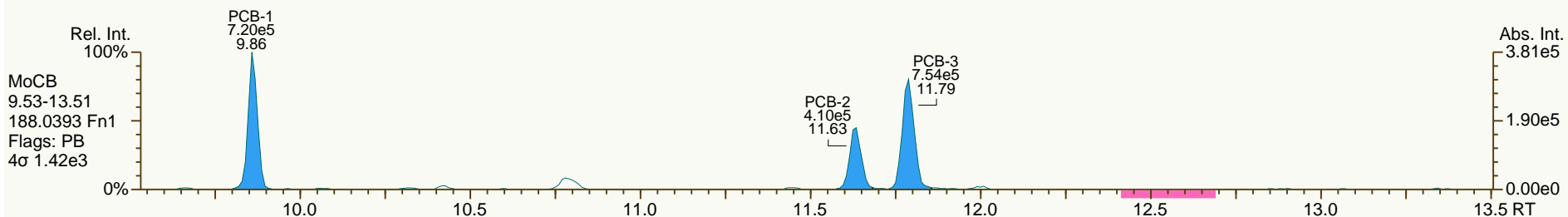
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

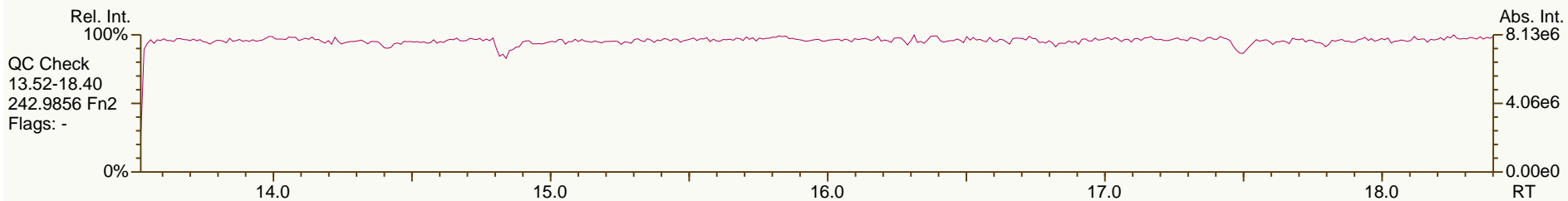
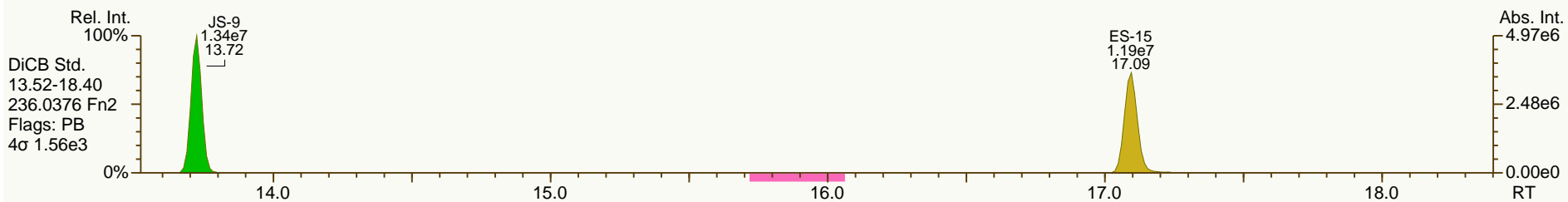
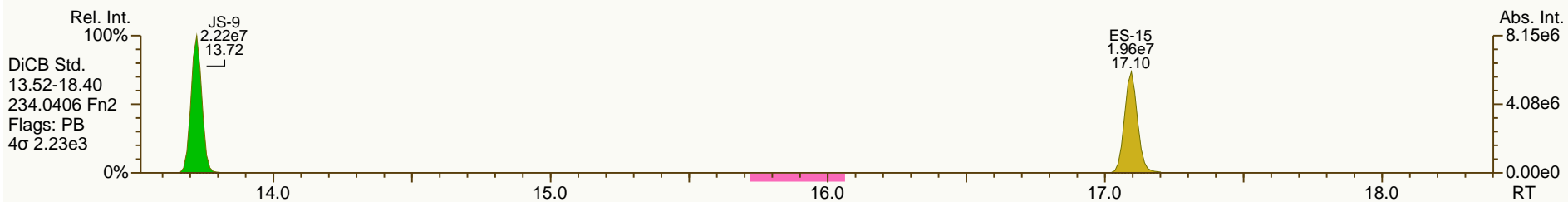
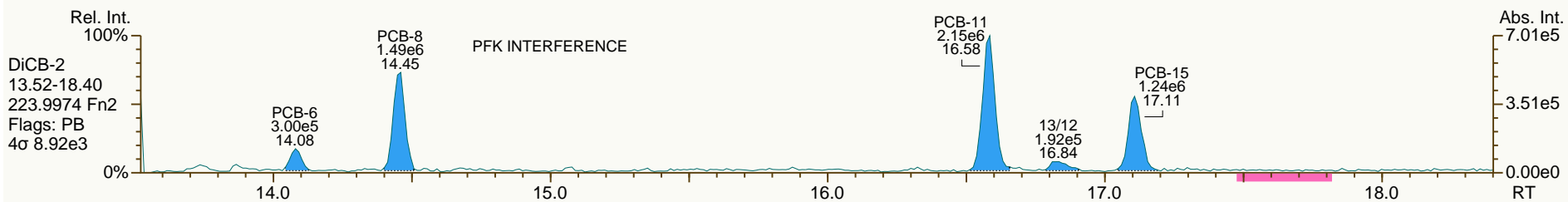
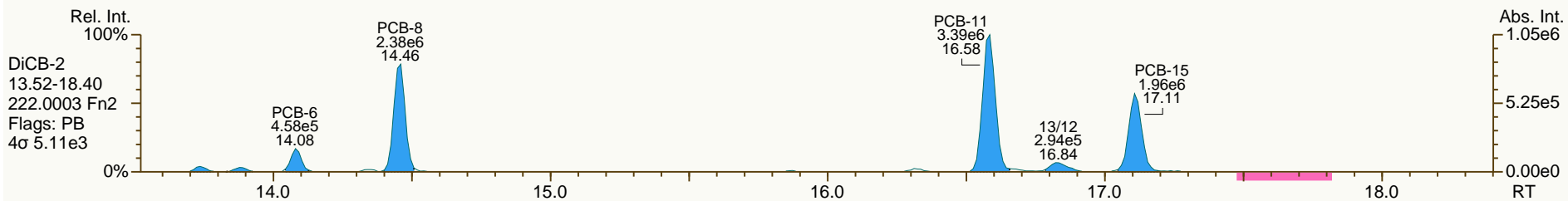
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

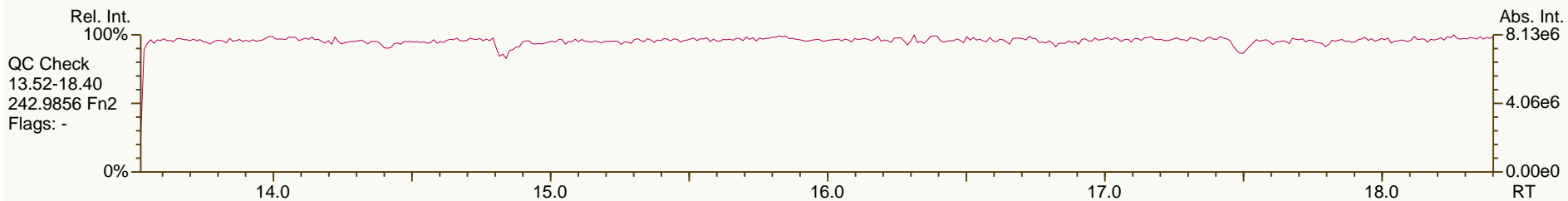
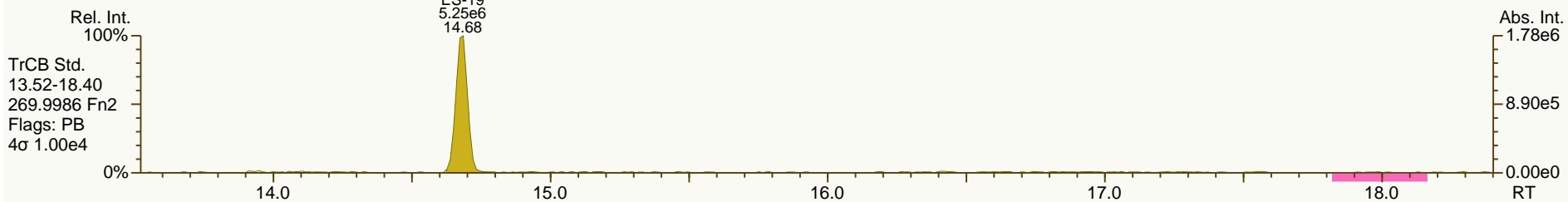
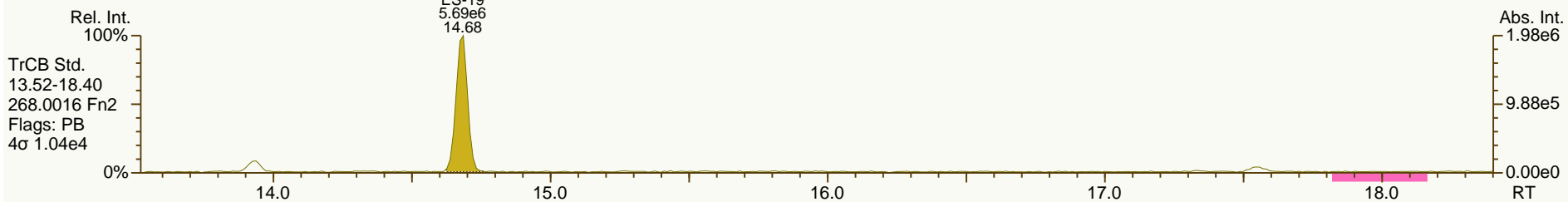
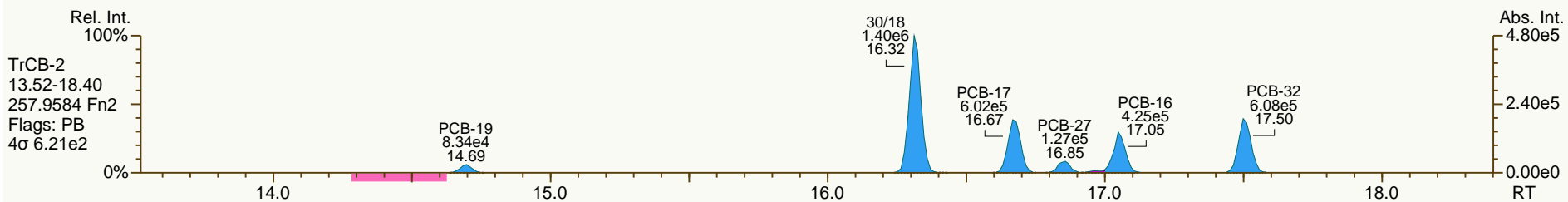
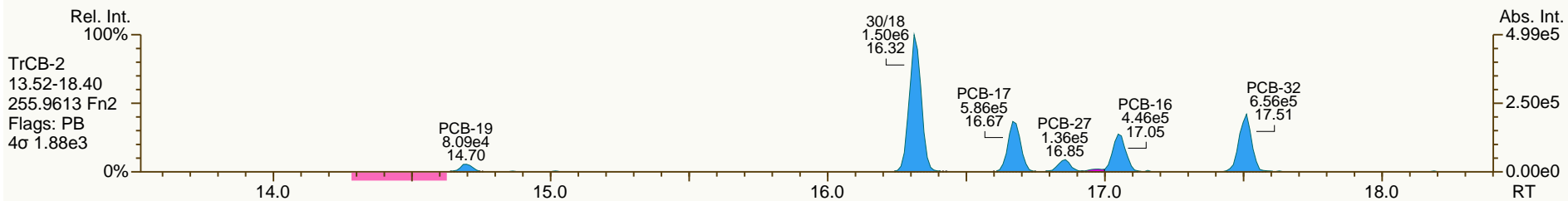
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

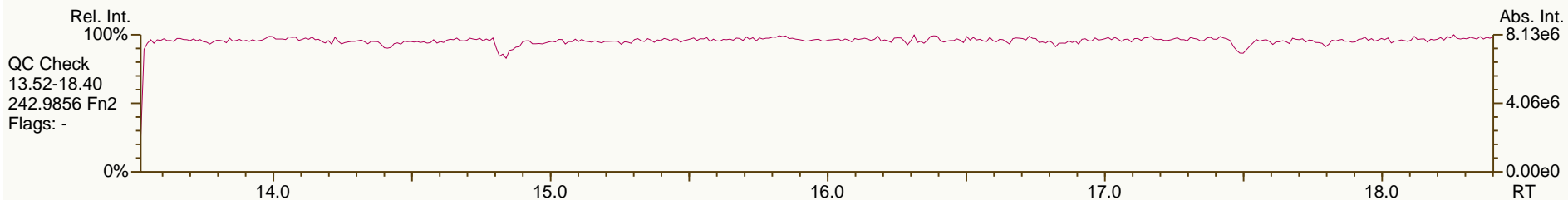
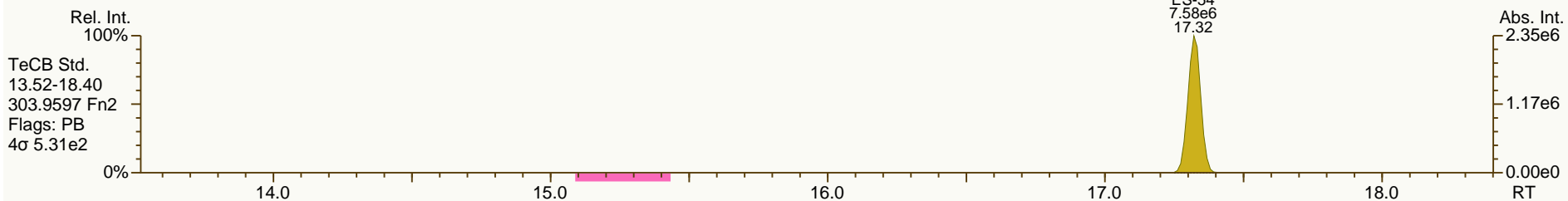
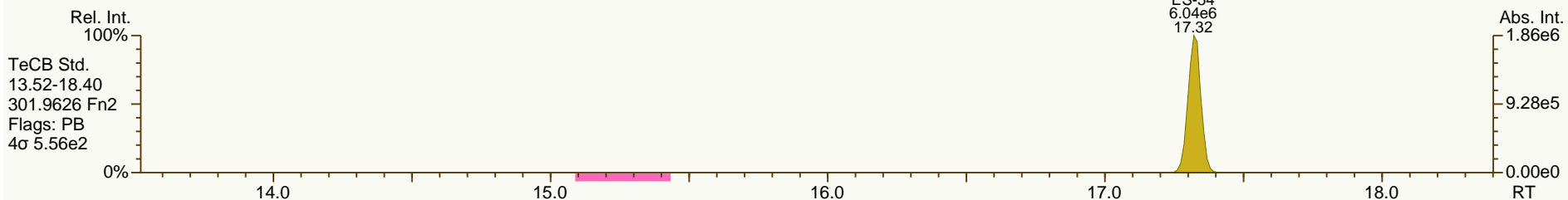
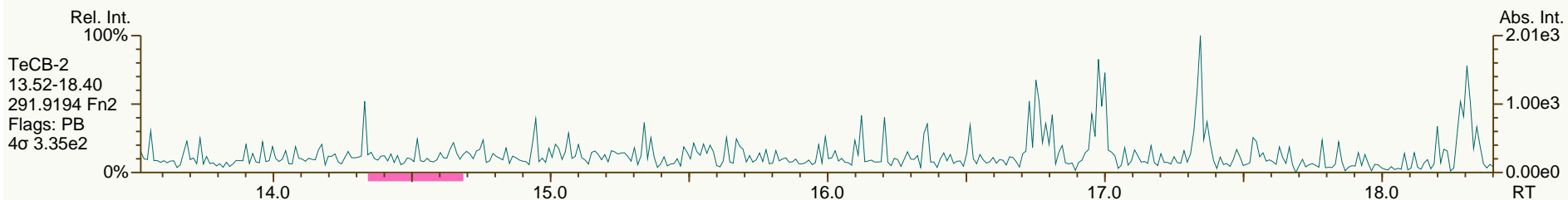
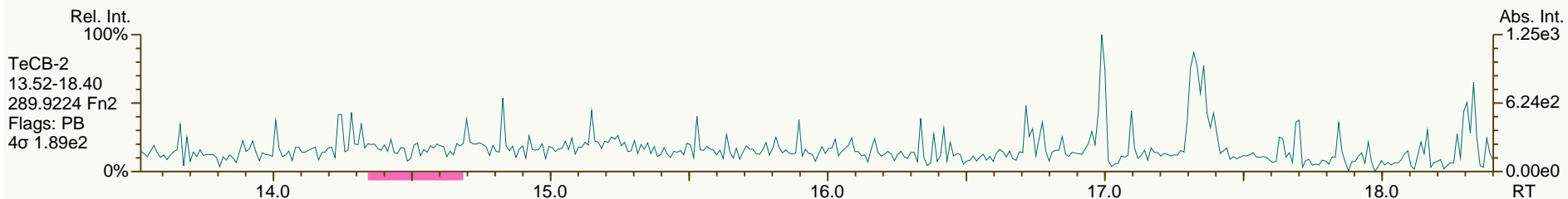
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

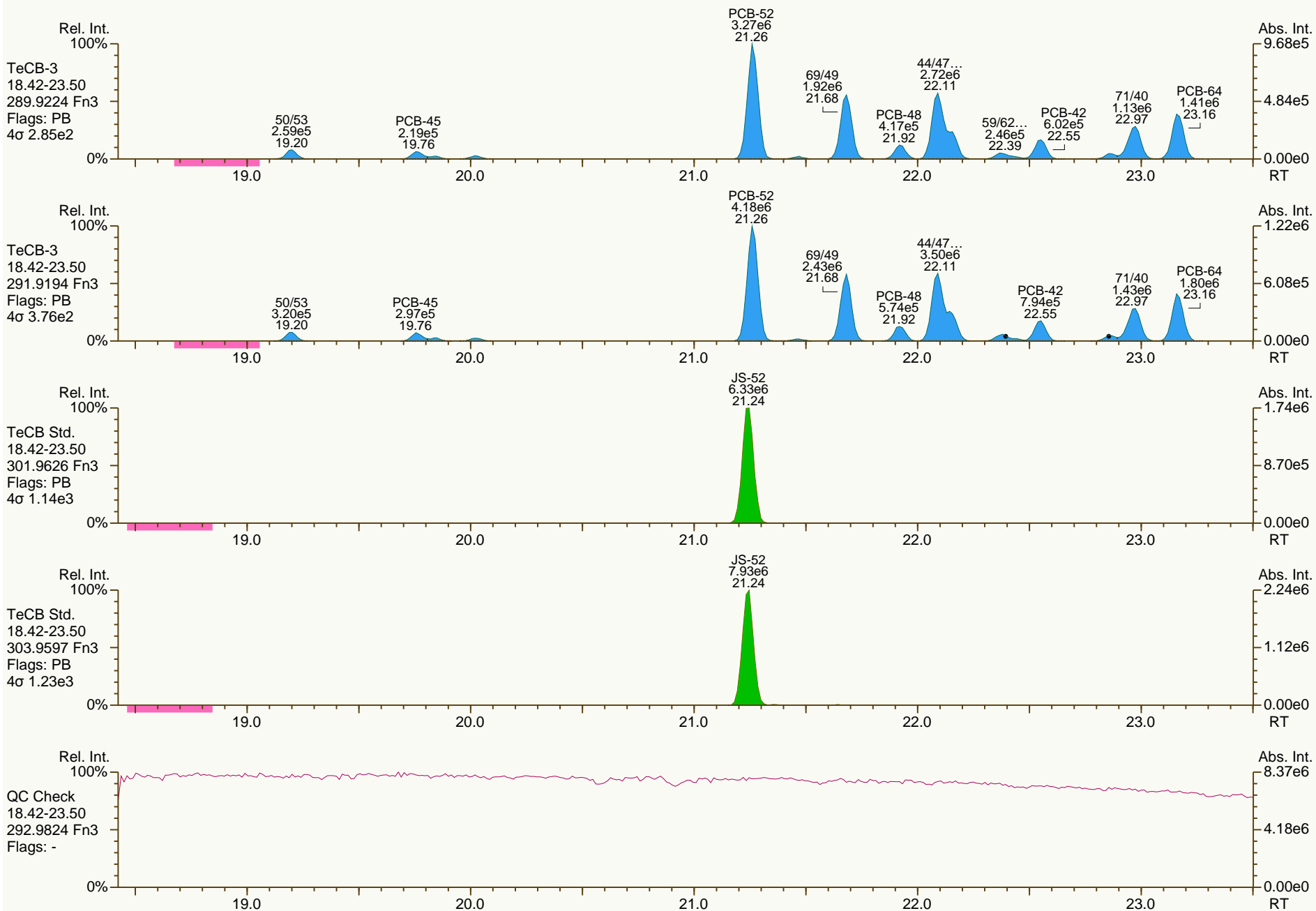
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

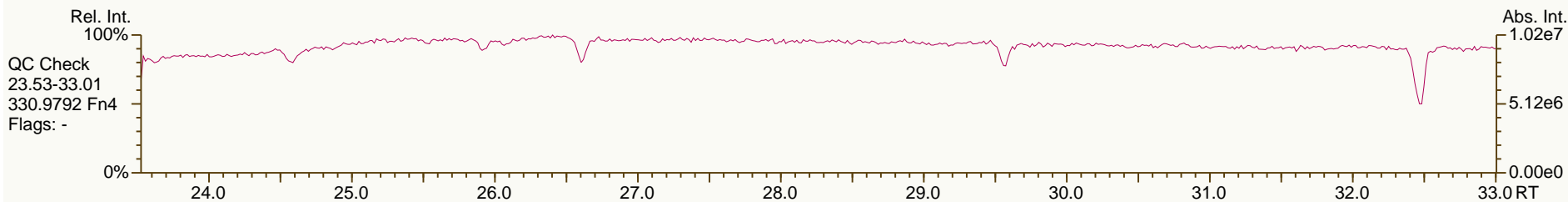
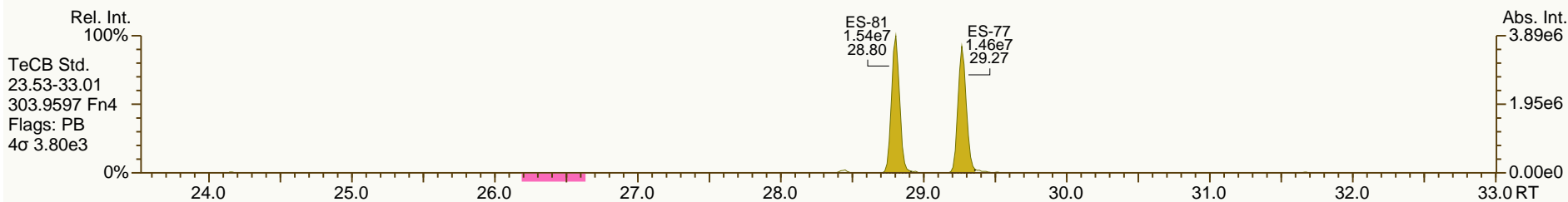
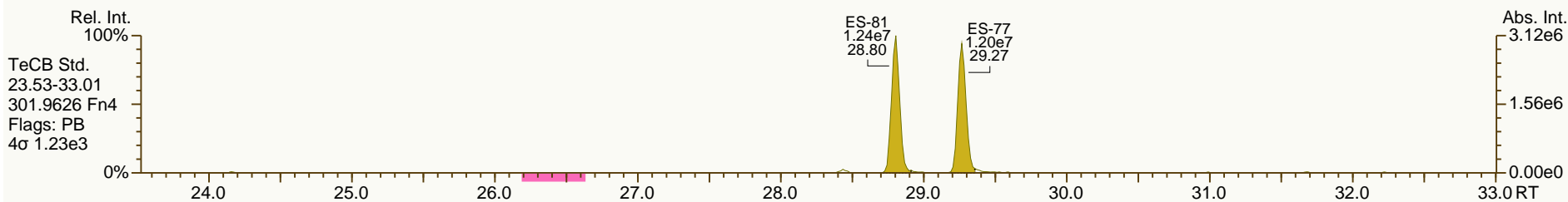
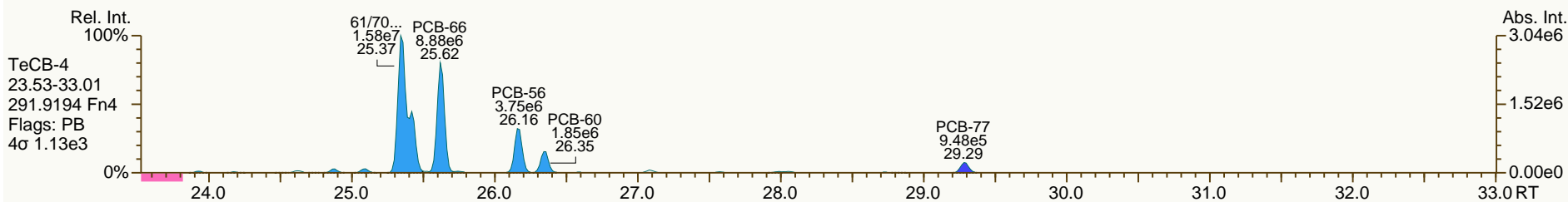
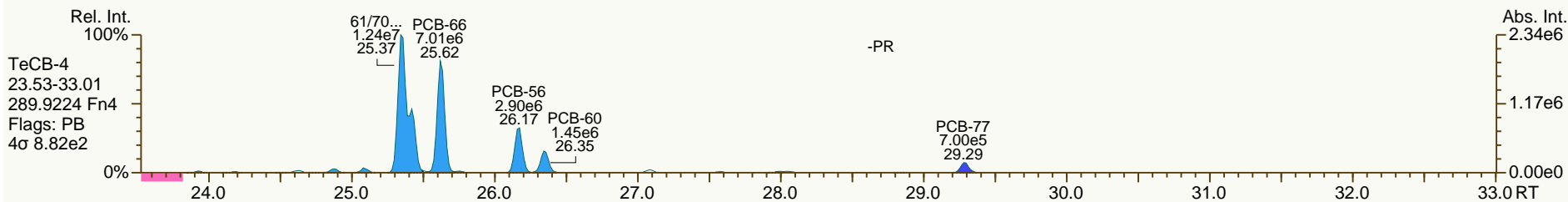
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

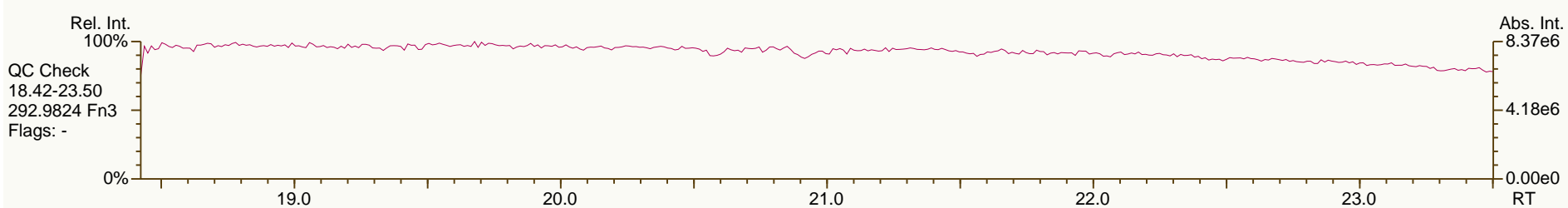
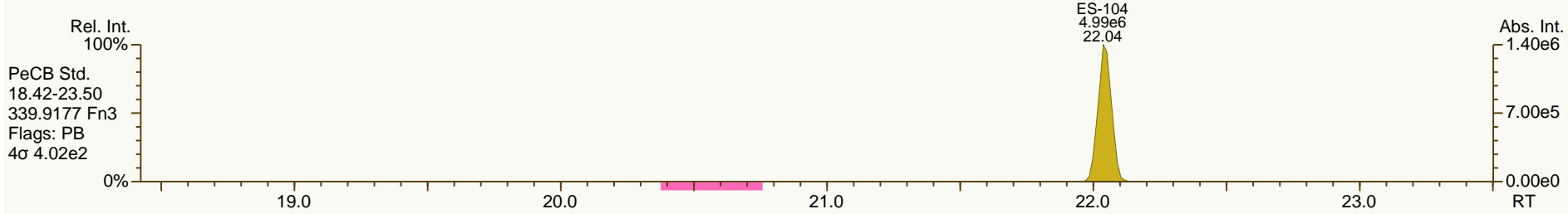
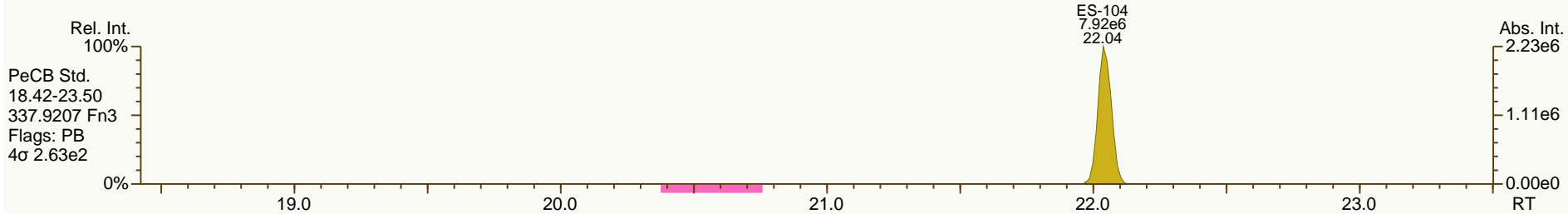
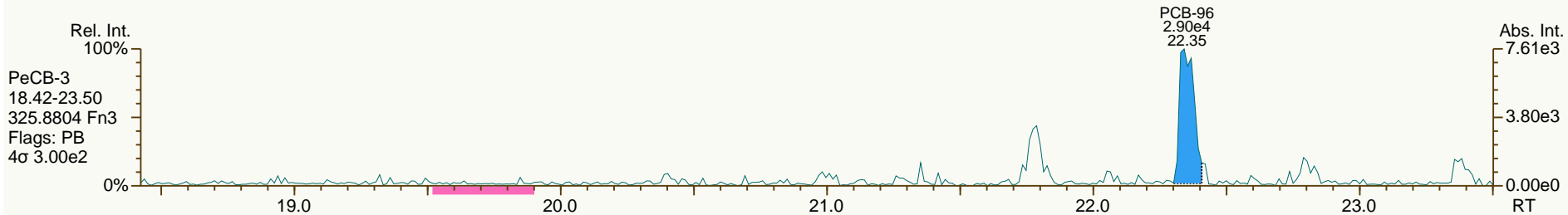
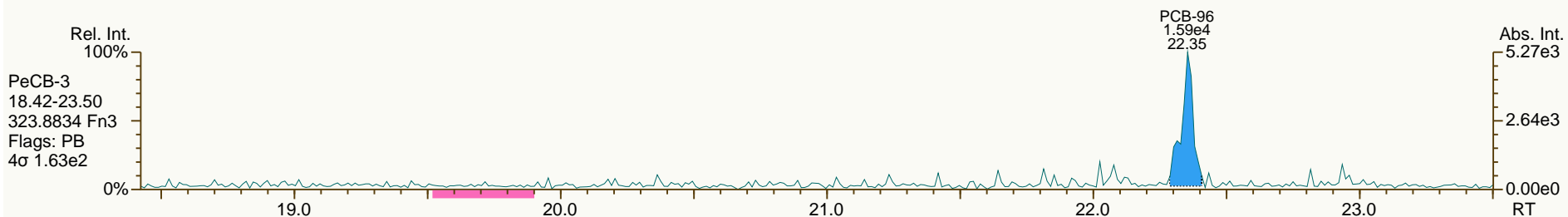
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

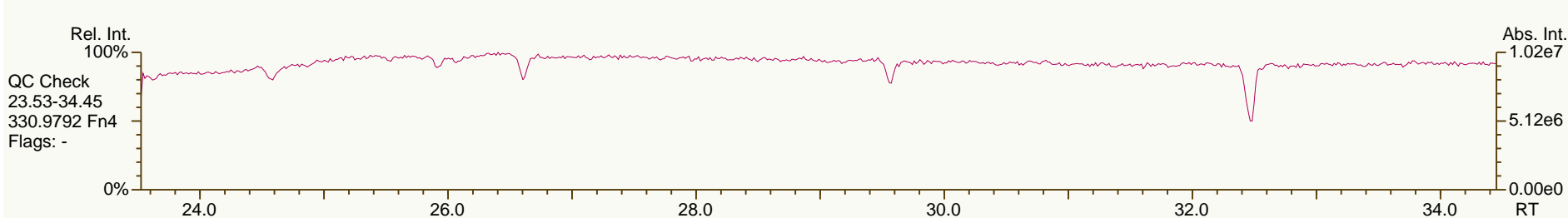
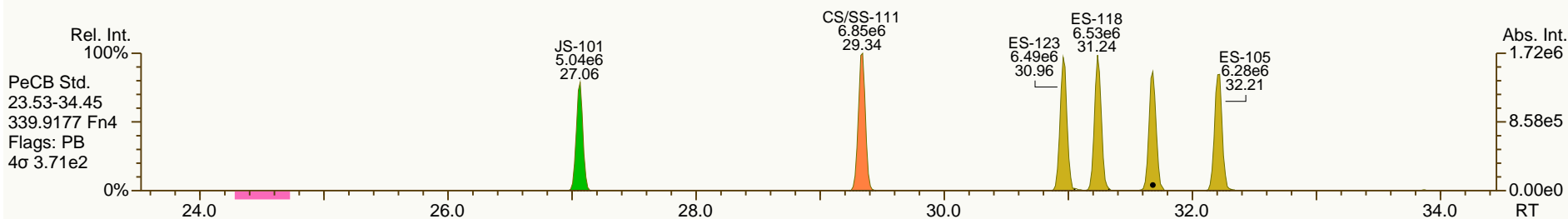
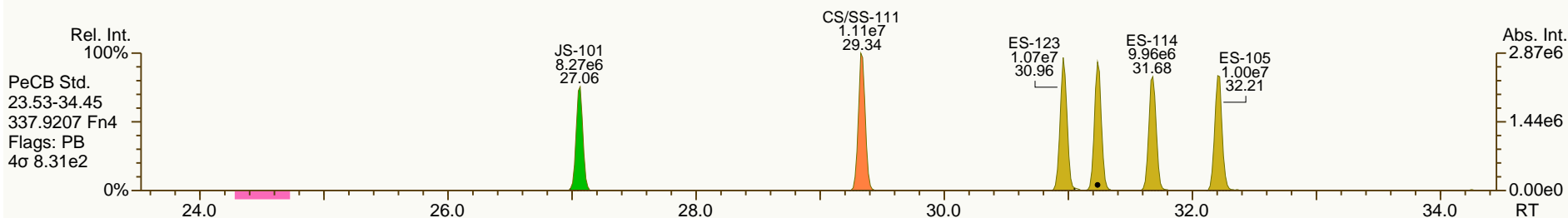
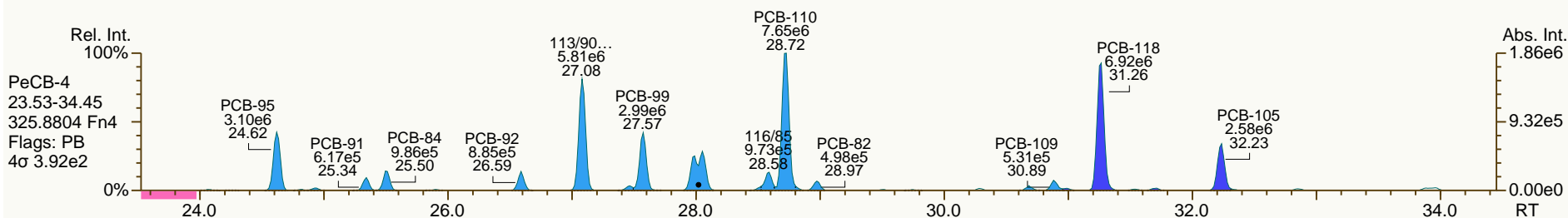
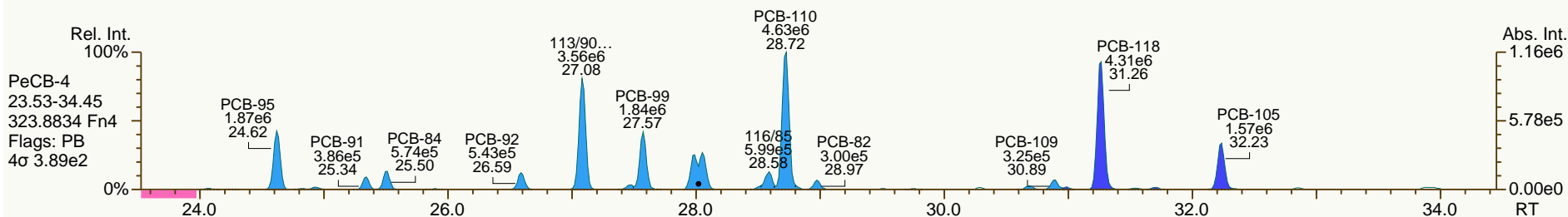
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

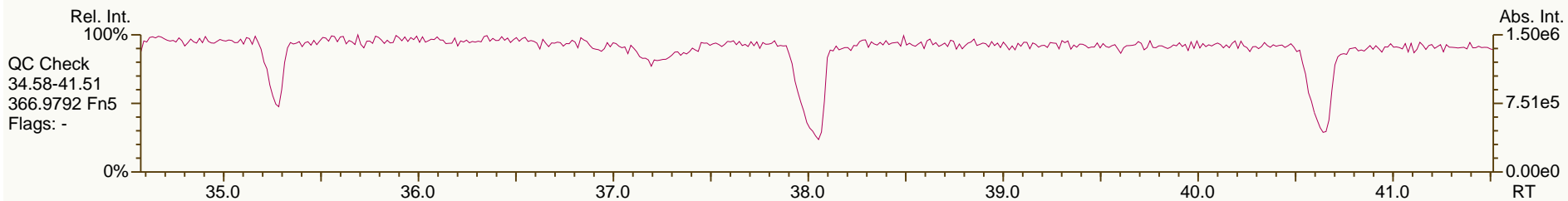
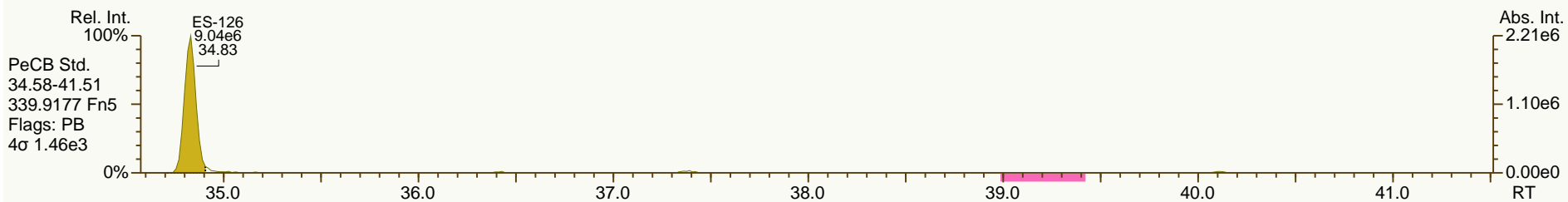
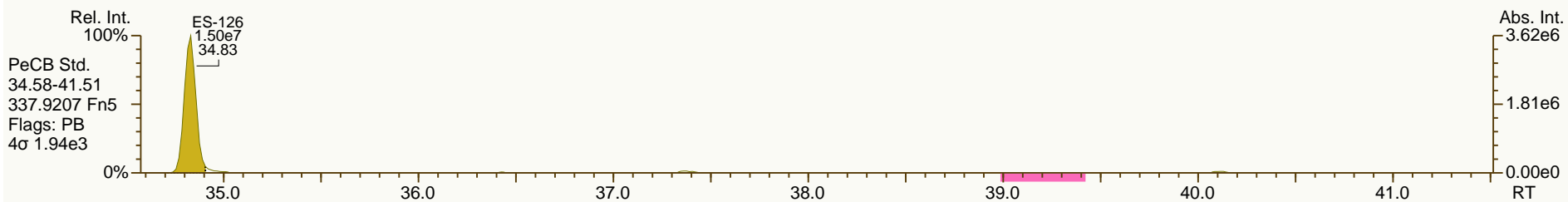
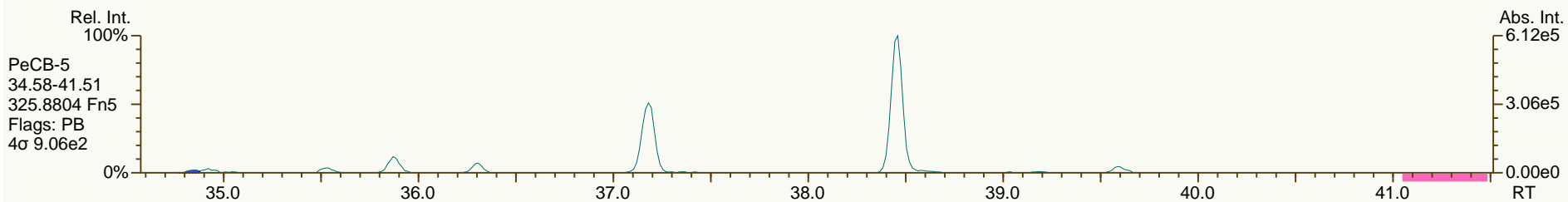
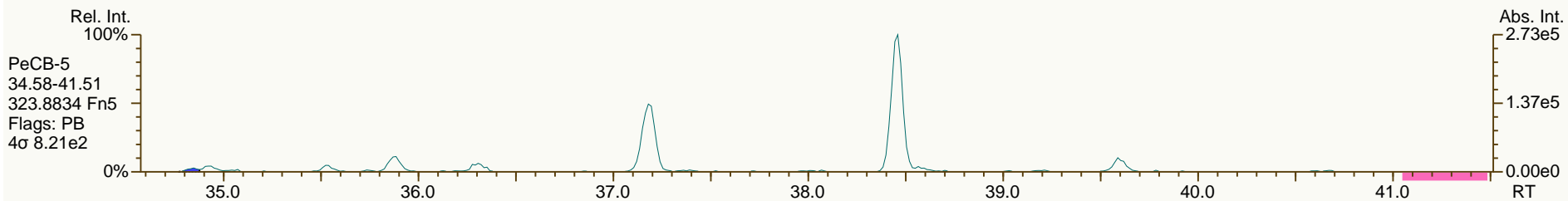
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

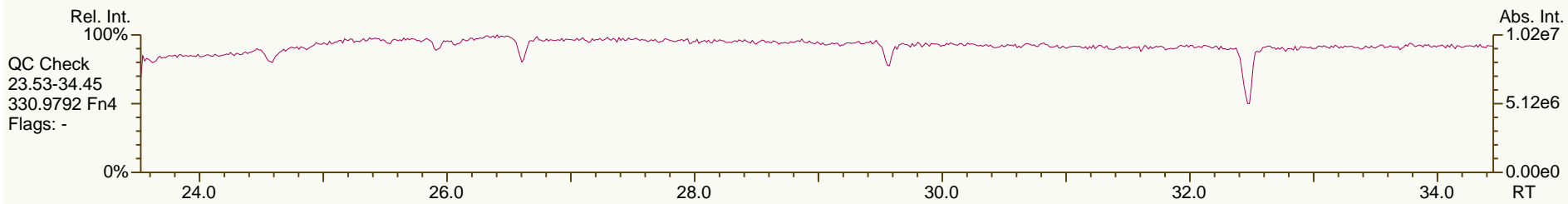
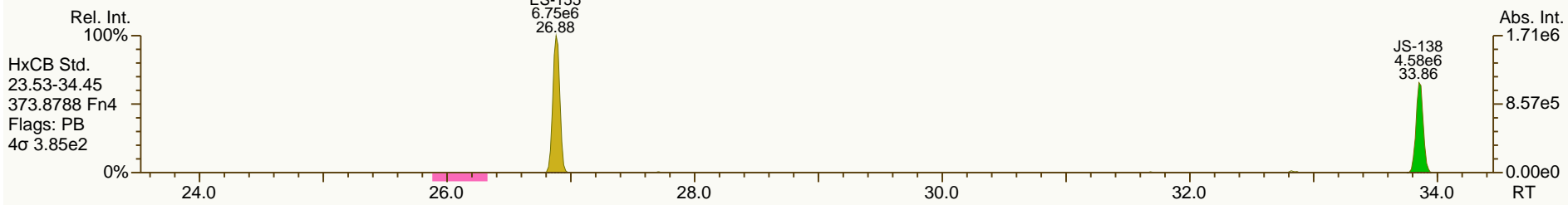
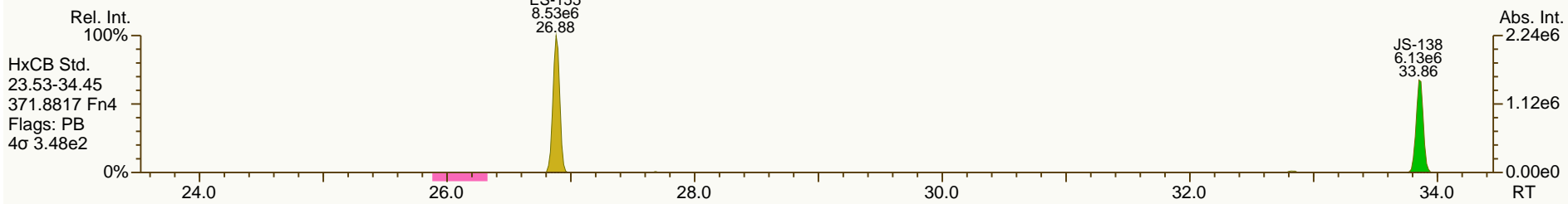
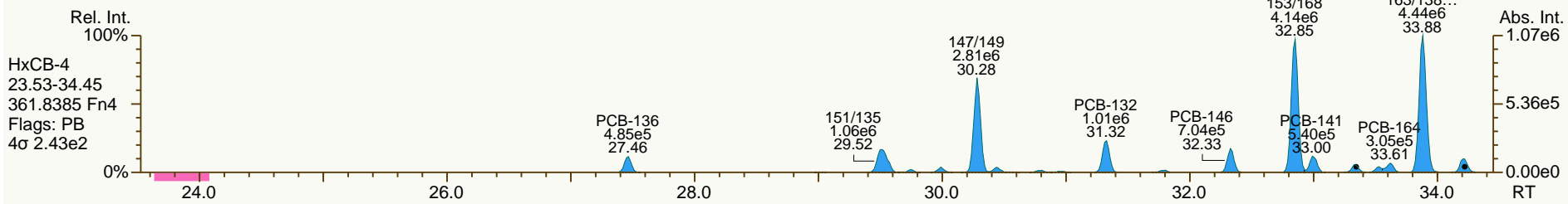
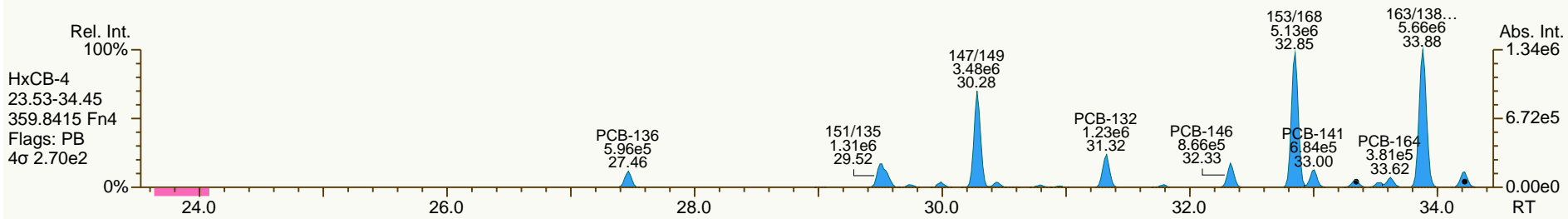
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

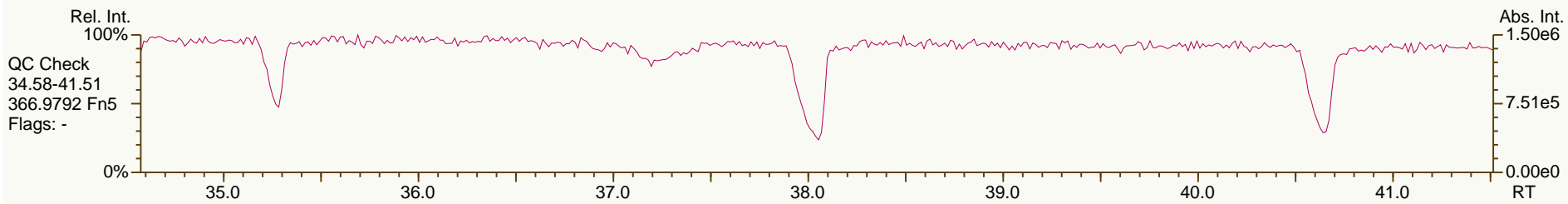
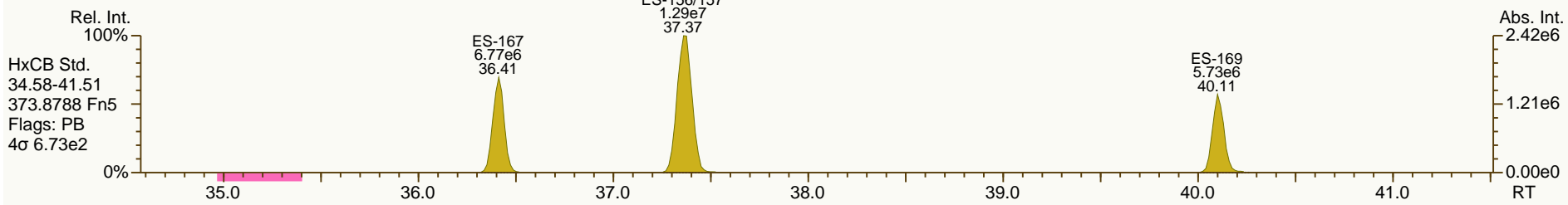
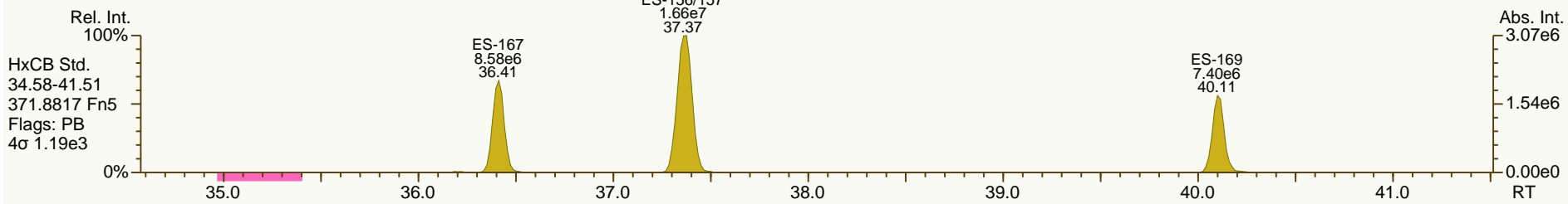
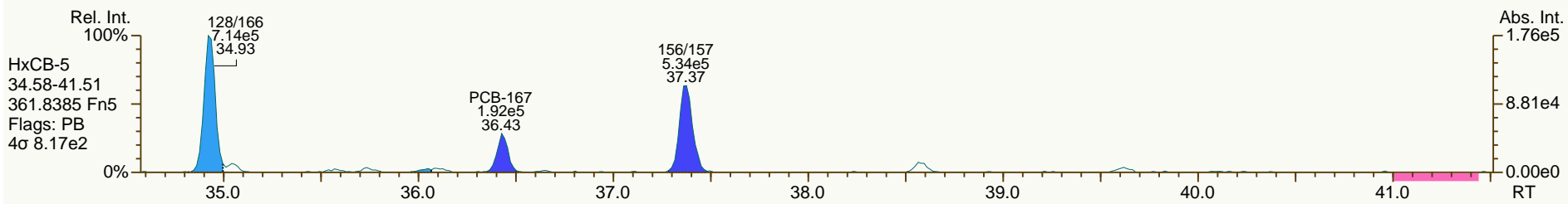
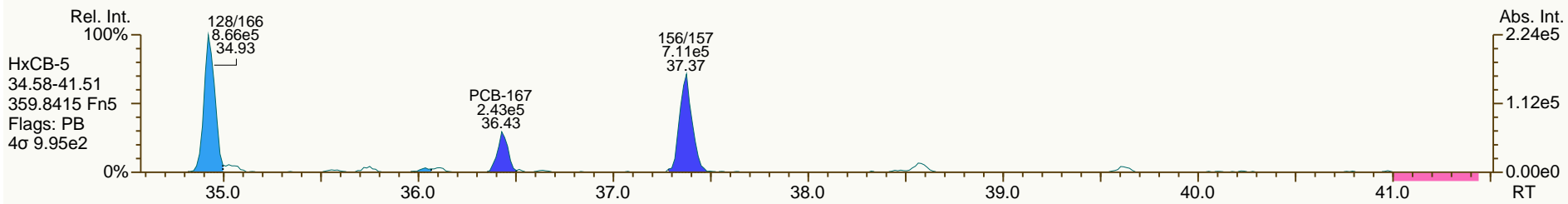
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

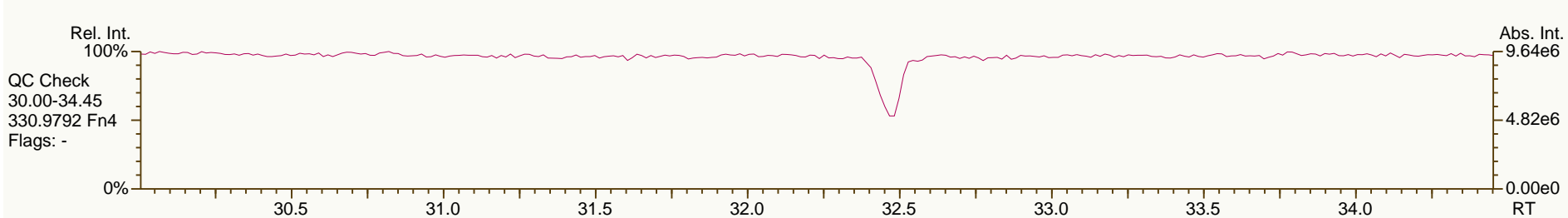
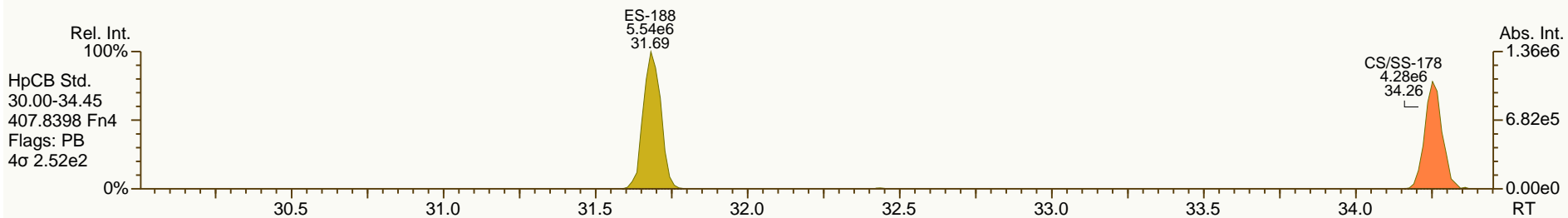
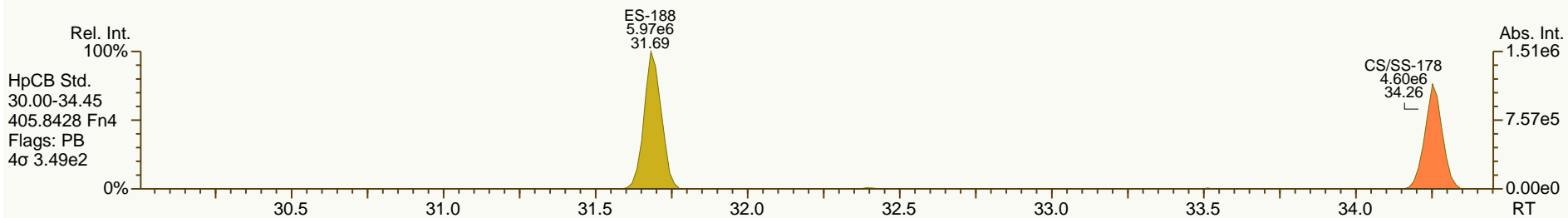
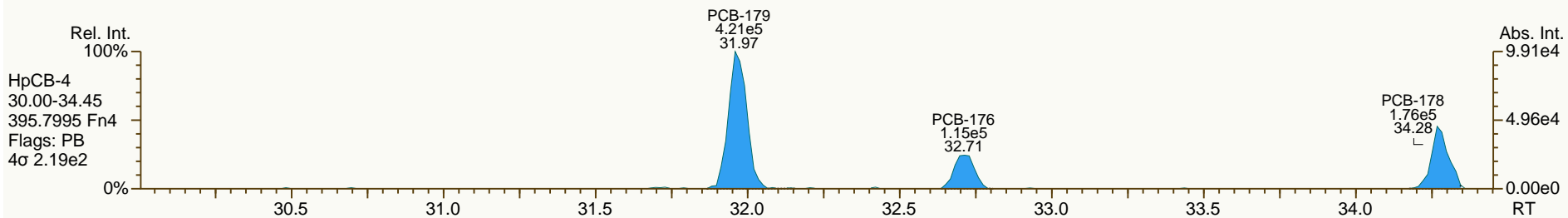
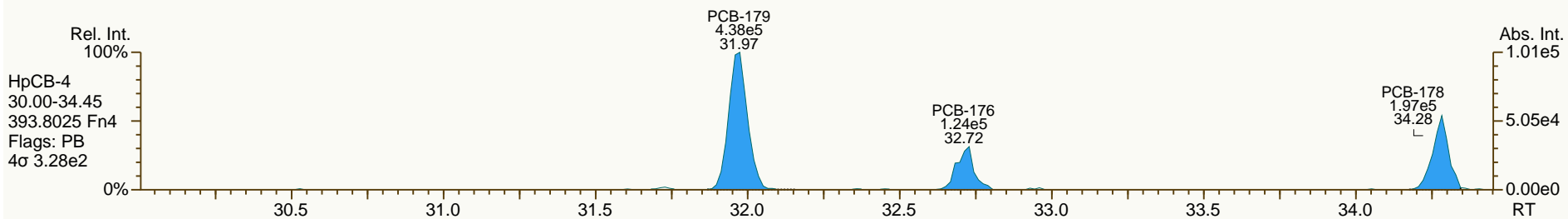
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

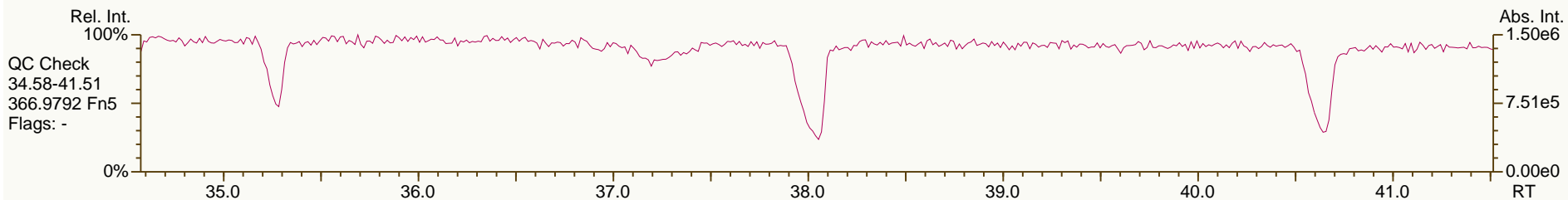
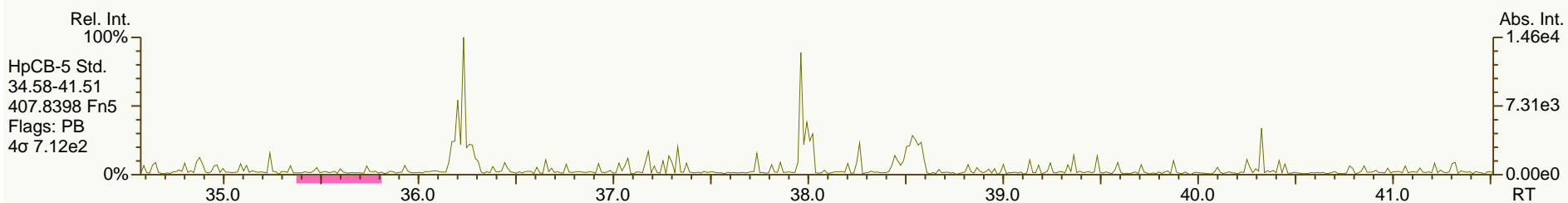
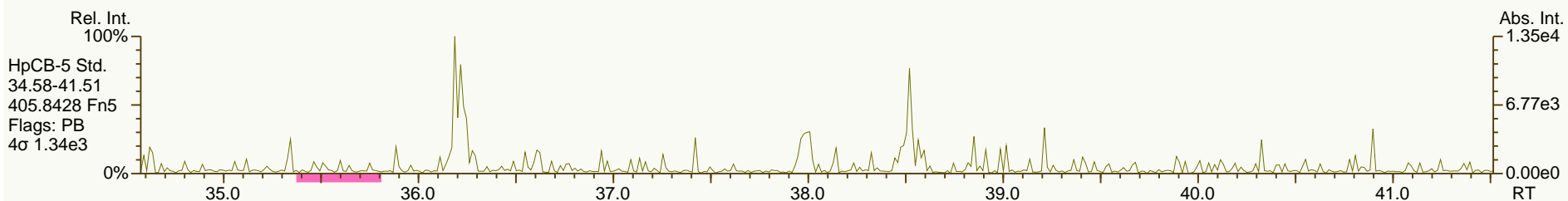
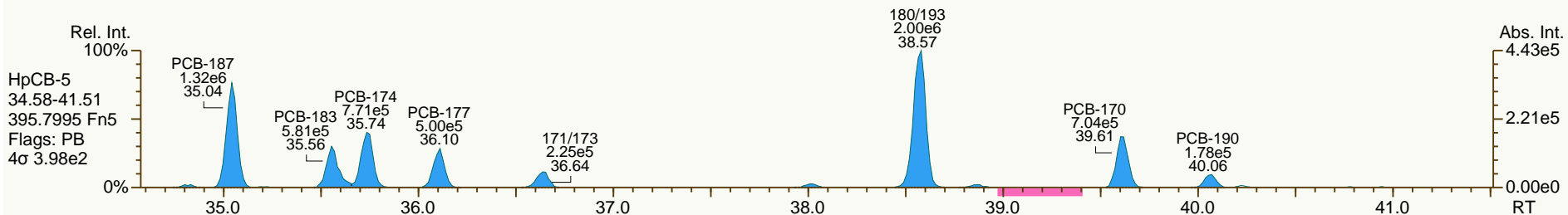
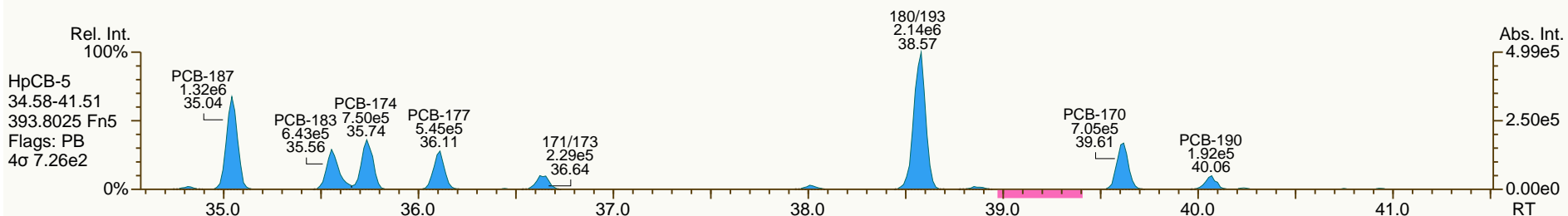
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

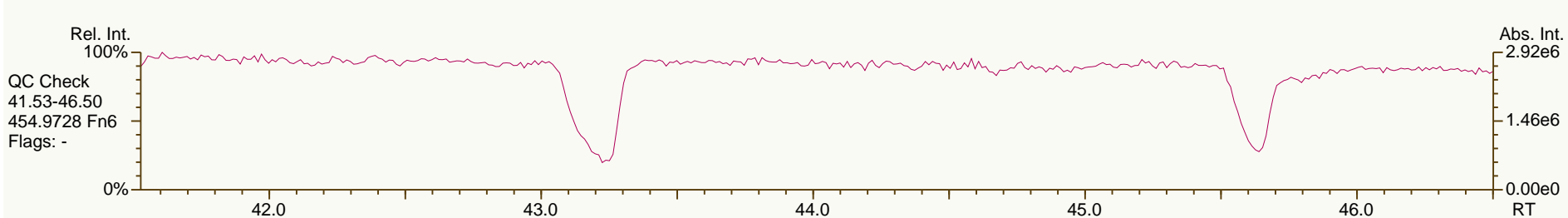
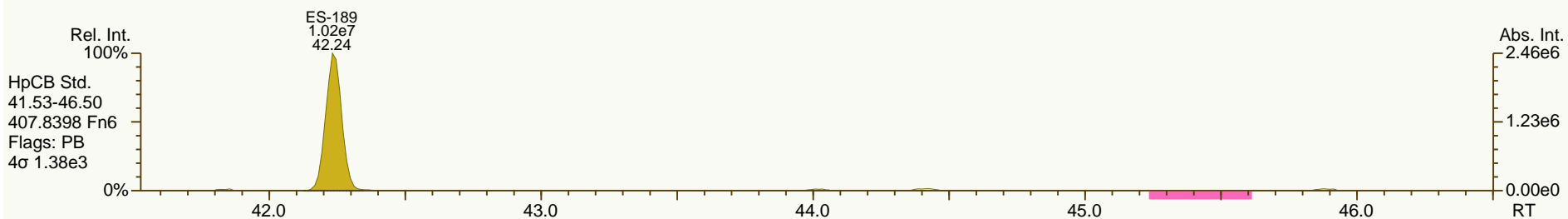
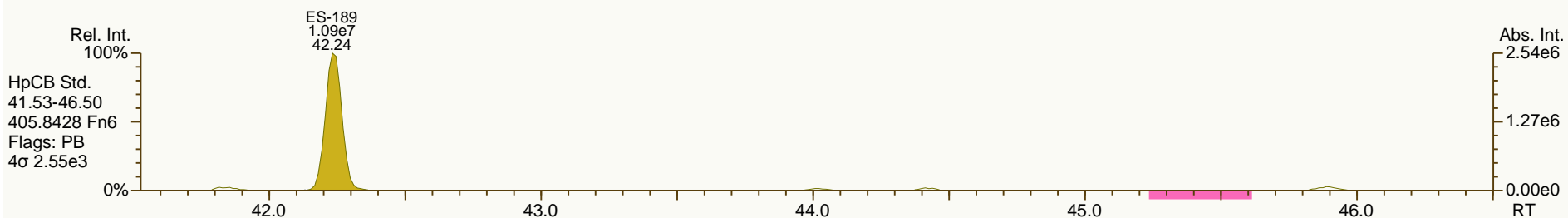
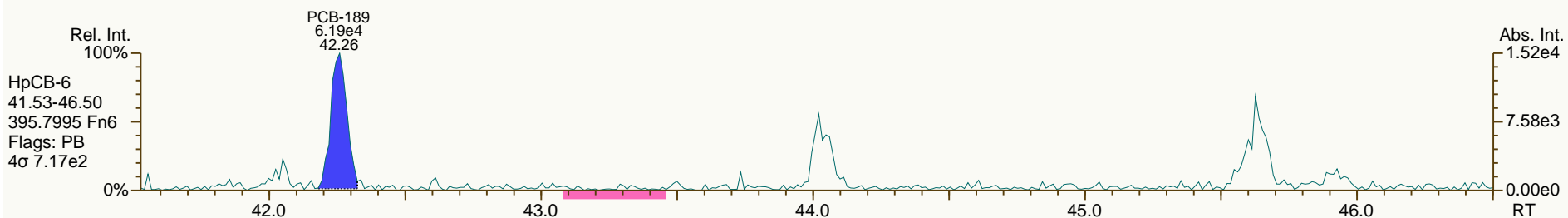
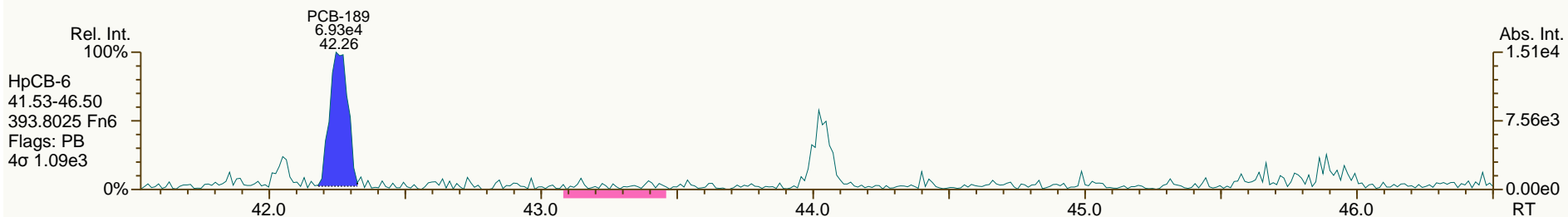
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

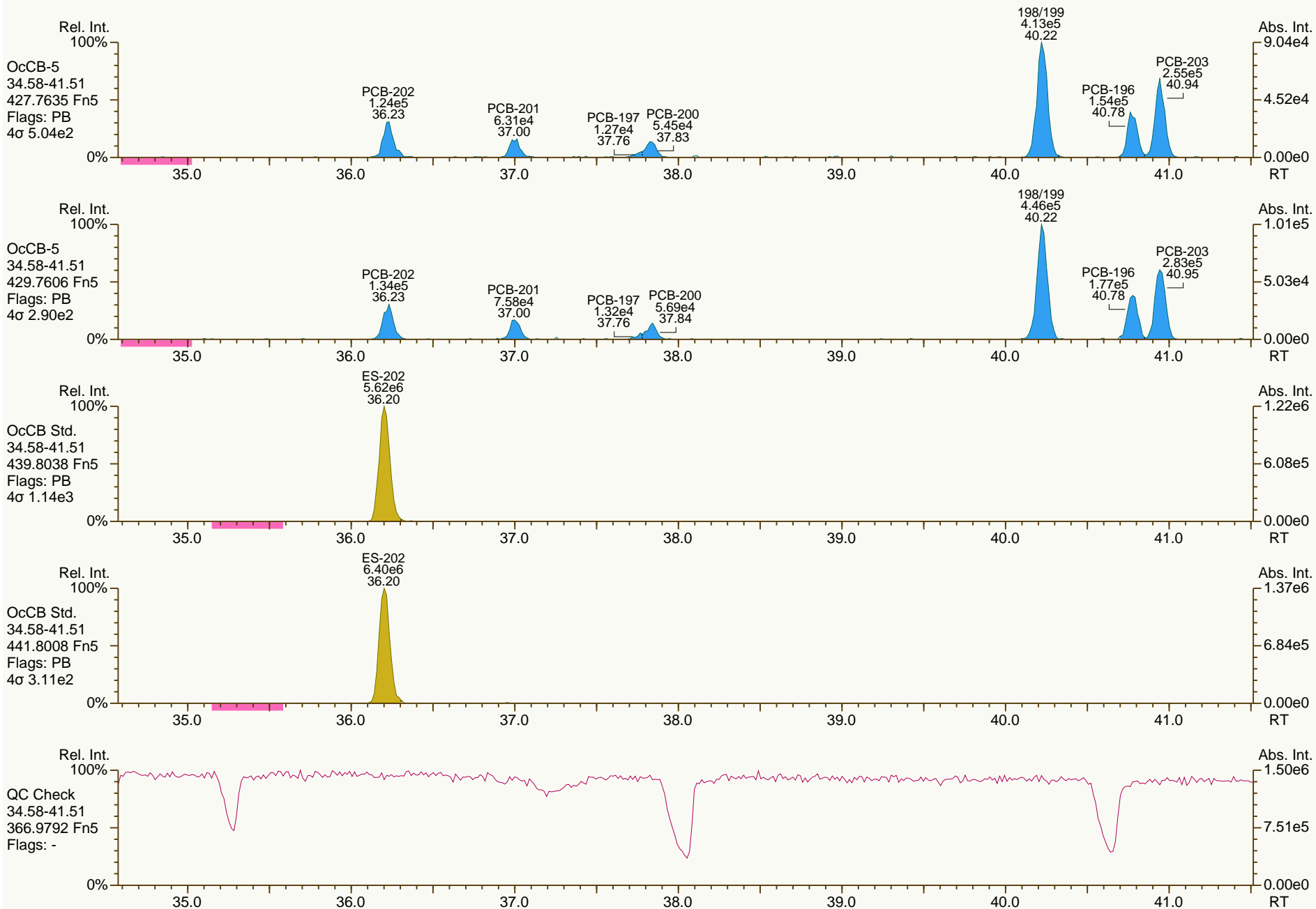
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

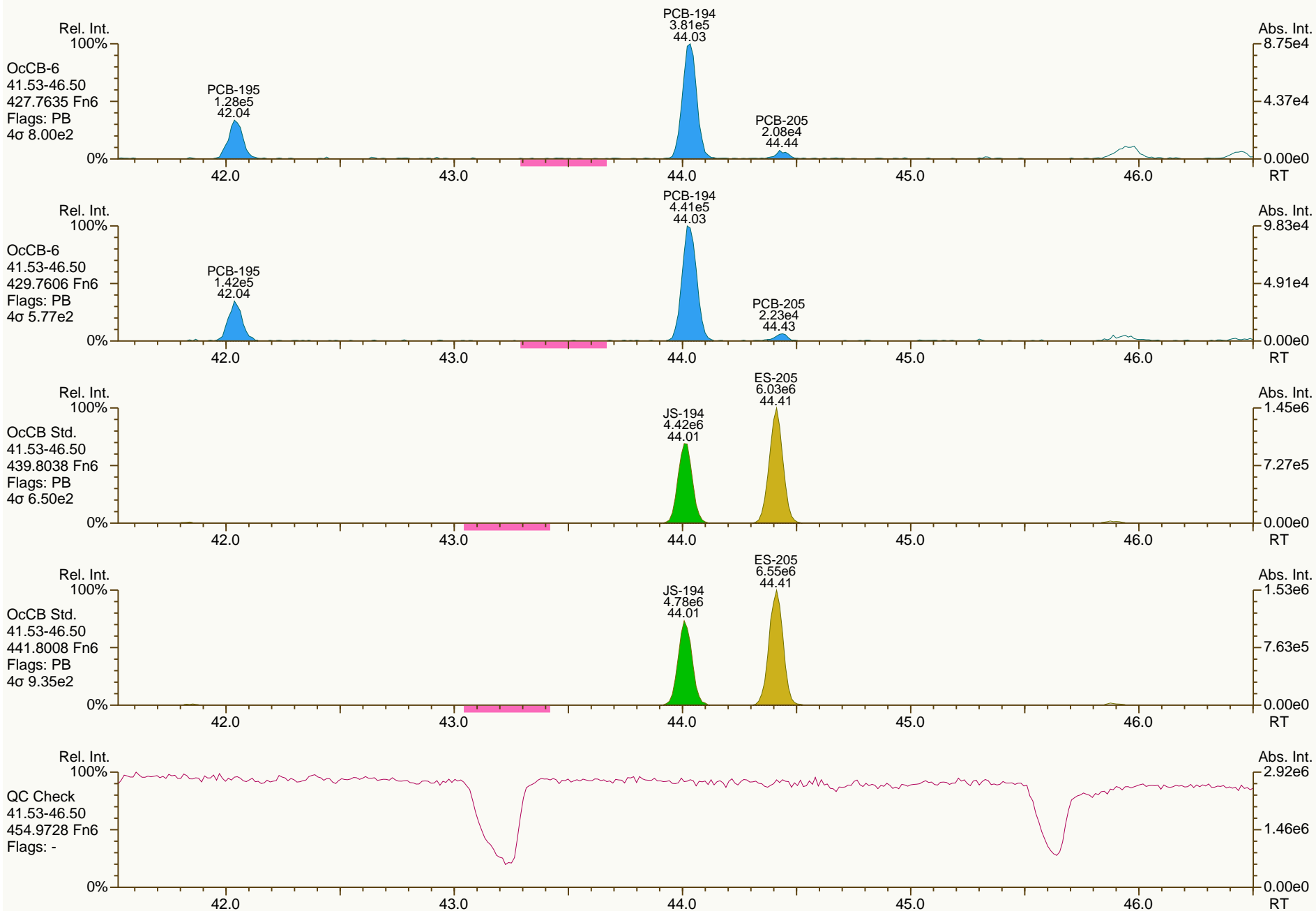
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

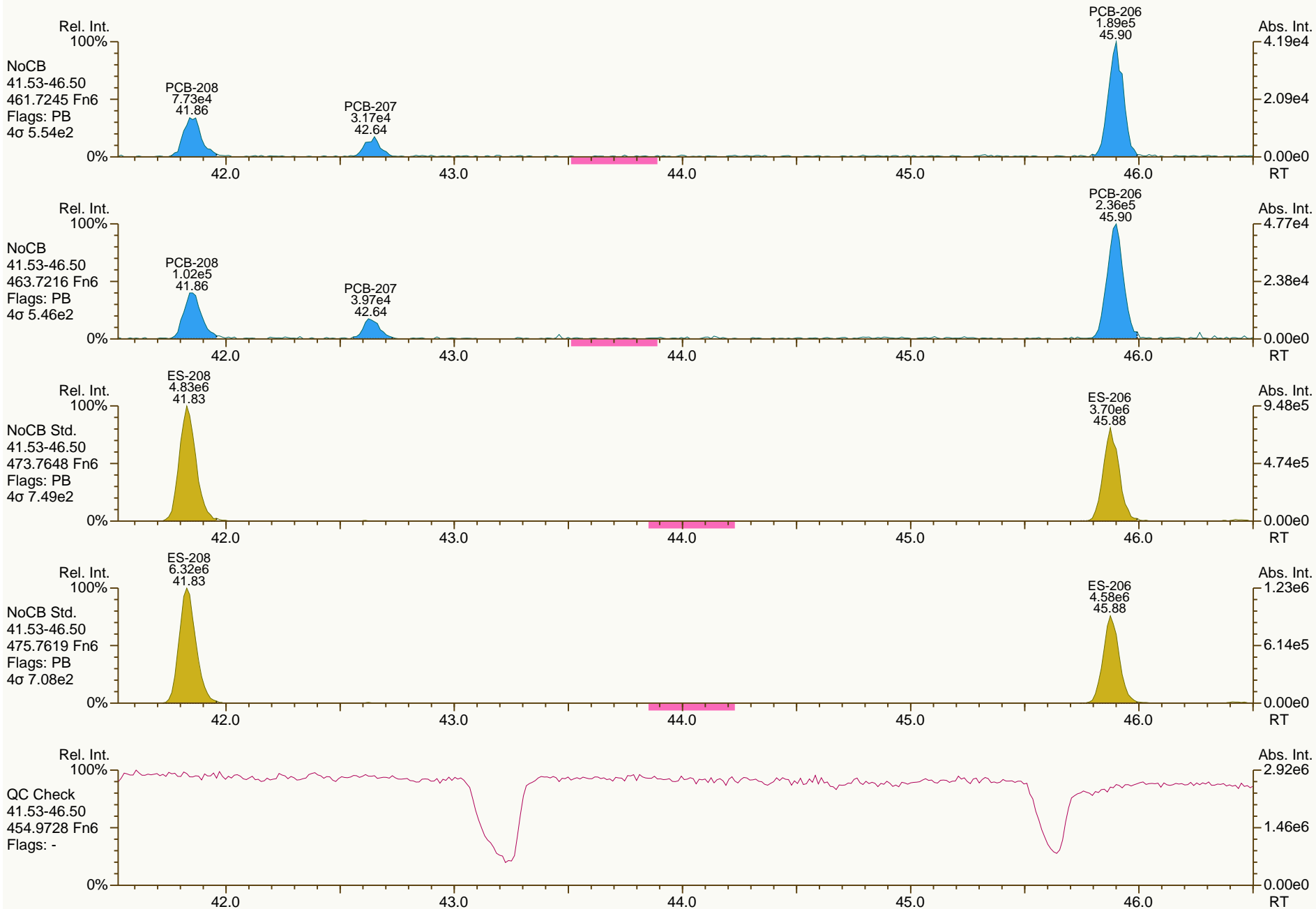
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

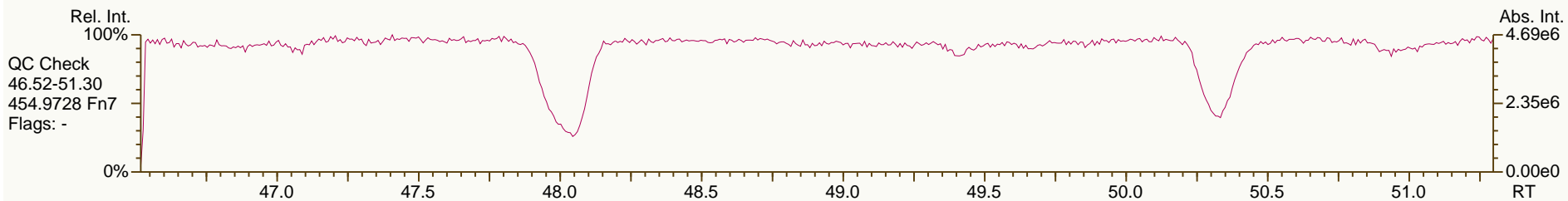
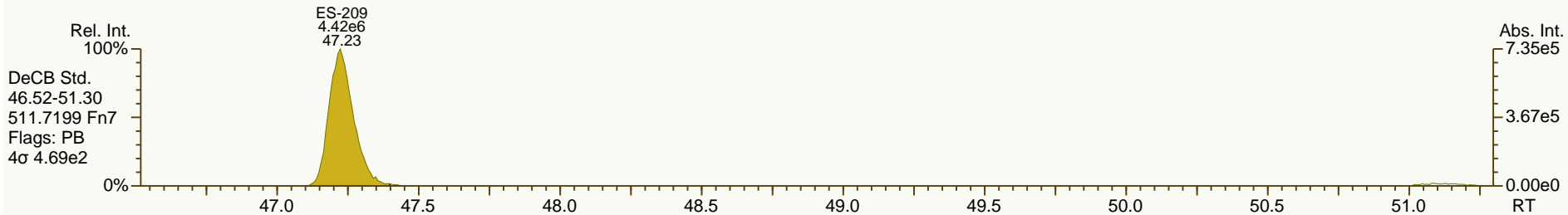
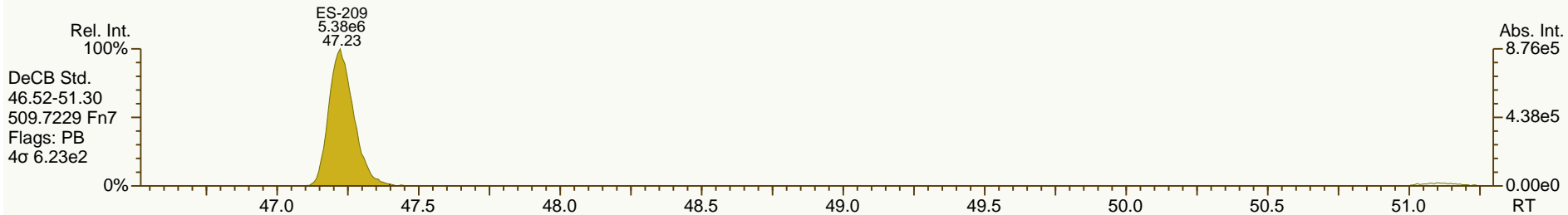
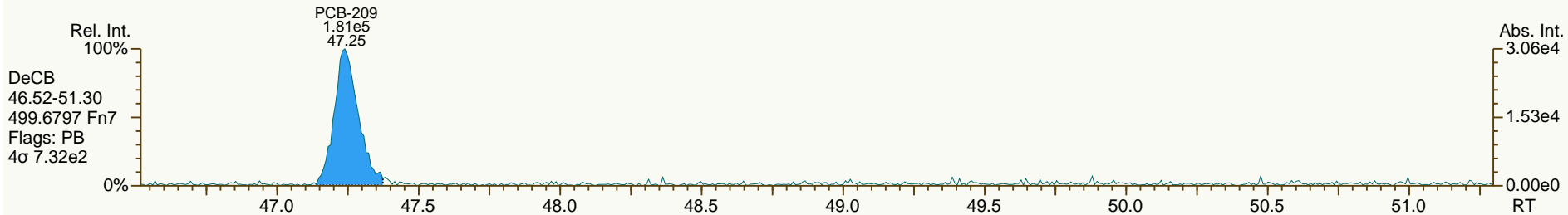
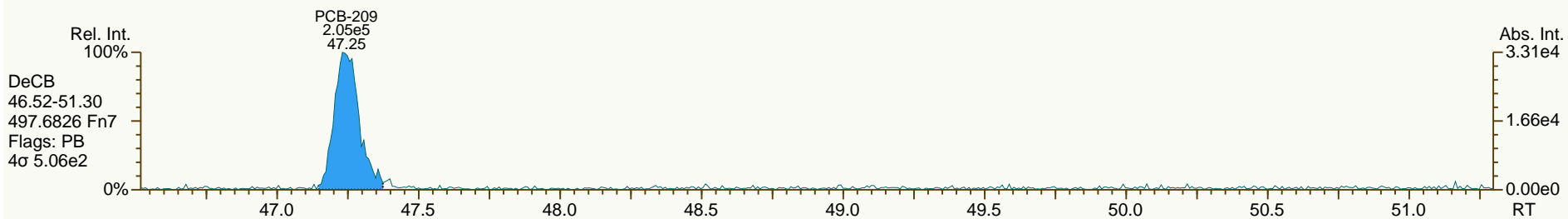
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

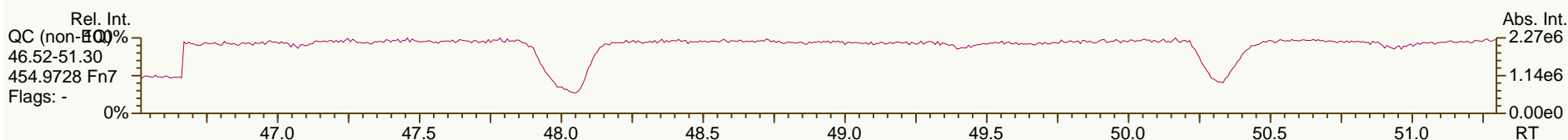
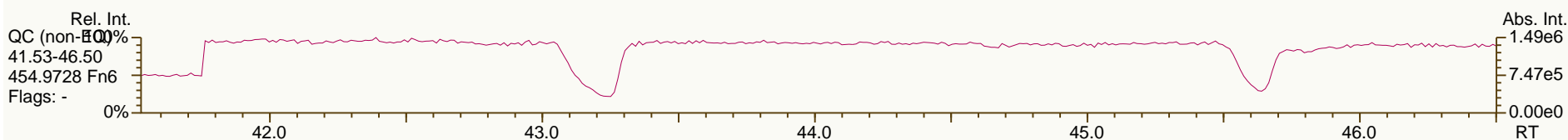
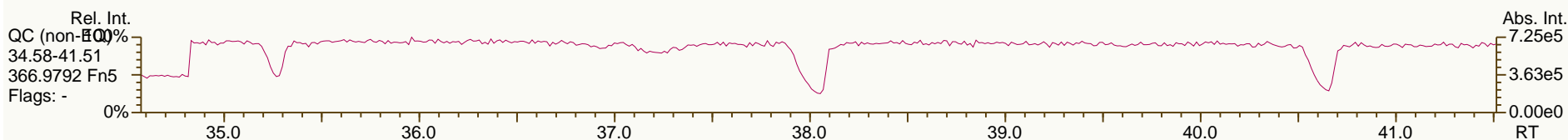
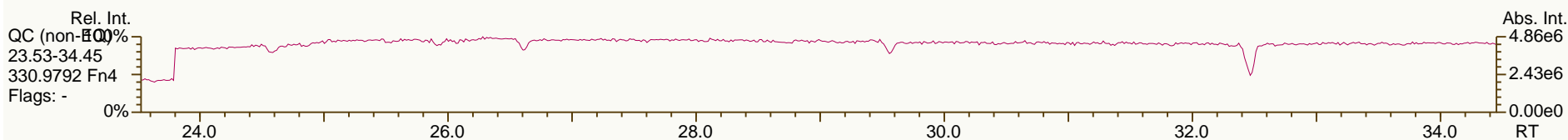
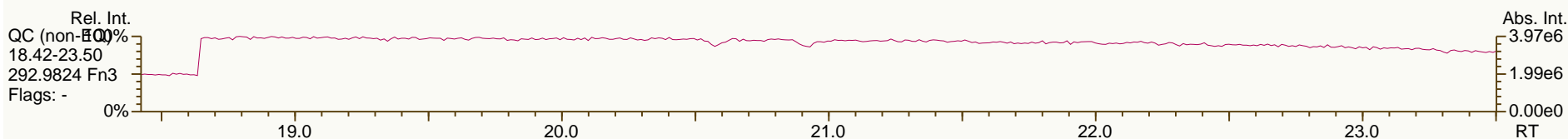
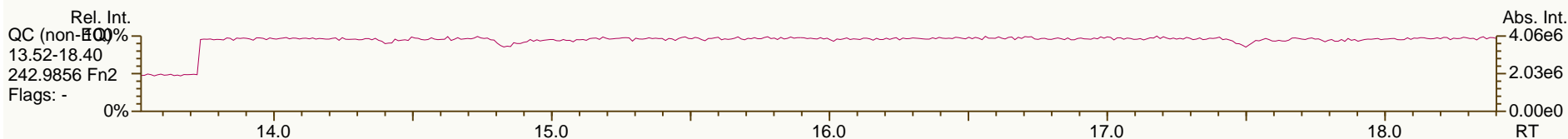
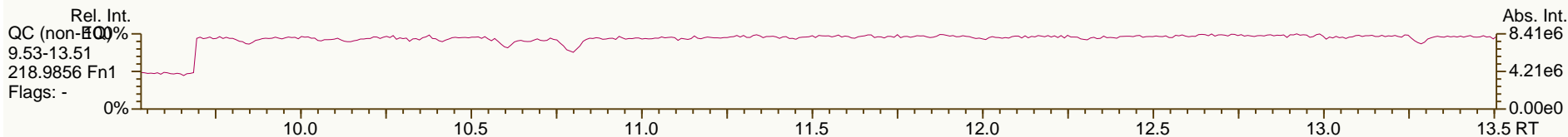
Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

Acq: 05-Jul-2012 17:21:14
 User: LKB Datafile: 120705S07



Lab ID: A4371_9893_PCB_004-RJ

ACQ: 05-Jul-2012 18:16:17 LKB Wt/Vol: 6.91 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120705_PCB_SA

Client ID: JW-EA03-COMP-120507

UTP: 09-Jul-2012 15:11 LKB

J-level: 1.45 pg/g Split: 1

Checkcode: 302-095-KNN

Datafile: 120705S08

RPT: 09-Jul-2012 15:35 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.28		1.0006	1.0005	-0.2	9.43E+04	0.85	1.22	1.89	2.66E+03	0.547
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	2.66E+03	0.501
PCB-105 233'44'-PeCB	32.23		1.0007	1.0008	+0.2	5.41E+05	0.64	1.03	20.5	7.93E+02	0.303
PCB-114 2344'5'-PeCB	31.69	J	1.0007	1.0006	-0.2	2.80E+04	0.67	1.10	1.02	7.93E+02	0.302
PCB-118 23'44'5'-PeCB	31.26		1.0008	1.0008	0	1.45E+06	0.64	1.03	51.5	7.93E+02	0.274
PCB-123 23'44'5'-PeCB	30.97	J	1.0007	1.0006	-0.2	2.24E+04	0.63	0.93	0.9	7.93E+02	0.319
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.28E+03	0.312
PCB-156/157 ...-HxCB	37.36	C	1.0005	1.0003	-0.4	2.29E+05	1.26	1.05	9.89	1.25E+03	0.742
PCB-167 23'44'55'-HxCB	36.42		1.0006	1.0005	-0.2	7.97E+04	1.22	1.08	2.97	1.25E+03	0.458
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.25E+03	0.545
PCB-189 233'44'55'-HpCB	42.24	J EMPC	1.0005	1.0005	0	1.97E+04	0.80	1.11	0.508	1.58E+03	0.435
PCB-209 DeCB	47.22		1.0004	1.0004	0	2.62E+05	1.22	1.05	15.1	1.54E+03	1.34
ES PCB-1	9.85		0.7181	0.7176	-0.3	7.46E+06	3.39	1.01	50.5 %	4%	100%
ES PCB-3	11.78		0.8583	0.8582	-0.1	7.65E+06	3.27	1.05	49.8 %	11%	106%
ES PCB-4	11.98		0.8732	0.8729	-0.2	4.11E+06	1.67	0.70	40.3 %	14%	107%
ES PCB-15	17.10		1.2453	1.2458	+0.5	1.26E+07	1.67	1.17	73.6 %	19%	107%
ES PCB-19	14.68		1.0698	1.0698	0	4.48E+06	1.05	0.57	54.1 %	1%	108%
ES PCB-37	23.09		1.0865	1.0873	+1.1	1.06E+07	1.10	1.41	123 %	25%	123%
ES PCB-54	17.32		0.8157	0.8155	-0.2	6.30E+06	0.77	1.32	78 %	13%	105%
ES PCB-77	29.27	V	1.3777	1.3778	+0.2	1.18E+07	0.80	1.22	158 %	31%	109%
ES PCB-81	28.80	V	1.3557	1.3559	+0.3	1.23E+07	0.81	1.15	174 %	14%	127%
ES PCB-104	22.04		0.8147	0.8147	0	5.84E+06	1.57	1.69	58.1 %	36%	115%
ES PCB-105	32.20		1.1906	1.1902	-0.8	7.45E+06	1.61	1.21	104 %	50%	111%
ES PCB-114	31.67		1.1709	1.1706	-0.6	7.24E+06	1.64	1.23	98.6 %	41%	121%
ES PCB-118	31.23		1.1547	1.1543	-0.7	7.86E+06	1.64	1.25	106 %	49%	111%
ES PCB-123	30.96		1.1444	1.1441	-0.6	7.78E+06	1.67	1.33	98.5 %	49%	116%
ES PCB-126	34.82	V	1.2871	1.2869	-0.4	1.09E+07	1.70	1.36	135 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.88		0.7939	0.7941	+0.3	6.66E+06	1.31	1.40	92.1 %	25%	124%
ES PCB-156/157	37.35		1.1035	1.1036	+0.2	1.28E+07	1.29	1.13	110 %	40%	120%
ES PCB-167	36.40	V	1.0753	1.0754	+0.2	7.17E+06	1.31	1.13	123 %	45%	118%
ES PCB-169	40.09		1.1842	1.1844	+0.5	6.62E+06	1.26	1.14	112 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.68		0.7204	0.7203	-0.2	5.68E+06	1.11	1.34	82.2 %	23%	125%
ES PCB-189	42.21	V	0.9598	0.9598	0	1.01E+07	1.08	1.77	131 %	47%	116%
ES PCB-202	36.19		0.8230	0.8229	-0.2	5.64E+06	0.88	1.27	86.1 %	31%	134%
ES PCB-205	44.38		1.0090	1.0090	0	6.16E+06	0.92	1.25	112 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High	
ES PCB-206	45.84		1.0424	1.0423	-0.3	3.60E+06	0.77	1.07	76.9 %	38%	122%	
ES PCB-208	41.81		0.9508	0.9507	-0.3	5.32E+06	0.78	1.34	90.6 %	31%	126%	
ES PCB-209	47.20		1.0732	1.0731	-0.3	4.78E+06	1.23	1.18	92 %	43%	115%	
CS/SS PCB-28	19.69		0.9269	0.9269	0	1.06E+07	1.10	0.98	102 %	14%	131%	
CS/SS PCB-111	29.33		1.0843	1.0841	-0.4	7.71E+06	1.61	0.90	110 %	57%	112%	
CS/SS PCB-178	34.25		1.0118	1.0118	0	3.97E+06	1.14	0.65	108 %	57%	125%	
CS PCB-28	19.69		0.9269	0.9269	0	1.06E+07	1.10	1.39	126 %	14%	131%	
CS PCB-111	29.33		1.0843	1.0841	-0.4	7.71E+06	1.61	1.19	109 %	57%	112%	
CS PCB-178	34.25		1.0118	1.0118	0	3.97E+06	1.14	0.87	88.8 %	57%	125%	
JS PCB-9	13.72					1.46E+07	1.67					
JS PCB-52	21.24					6.11E+06	0.81					
JS PCB-101	27.06					5.95E+06	1.55					
JS PCB-138	33.85					5.15E+06	1.23					
JS PCB-194	43.98					4.39E+06	0.92					
Totals						NON-EMPC	EMPC	DL				
						Mono-CBs	2.49	6.17	0.313			
						Di-CBs	54.1	54.1	1.75			
						Tri-CBs	181	183	1.03			
						Tetra-CBs	206	208	0.323			
						Penta-CBs	343	344	0.291			
						Hexa-CBs	409	414	0.489			
						Hepta-CBs	106	123	0.426			
						Octa-CBs	73.5	82.2	0.653			
						Nona-CBs	38.8	38.8	1.05			
PCB-1 2-MoCB	9.86	B	EMPC	1.0011	1.0010	-0.1	6.42E+04	3.76	1.20	2.08	1.75E+03	0.269
PCB-2 3-MoCB	11.63		EMPC	0.9878	0.9877	-0.1	5.29E+04	2.29	1.25	1.6	1.75E+03	0.323
PCB-3 4-MoCB	11.79			1.0010	1.0010	0	7.44E+04	3.24	1.13	2.49	1.75E+03	0.358
PCB-4 22'-DiCB	11.99			1.0012	1.0011	-0.1	7.02E+04	SI	0.94	5.24	3.25E+03	1.4
PCB-10 26-DiCB	NotFnd			1.0142	-		0.00E+00		1.65	ND	9.67E+03	2.39
PCB-9 25-DiCB	NotFnd			1.0011	-		0.00E+00		0.92	ND	1.11E+04	2.29
PCB-7 24-DiCB	NotFnd			1.0116	-		0.00E+00		1.04	ND	1.11E+04	2.03
PCB-6 23'-DiCB	14.08			1.0261	1.0261	0	9.31E+04	SI	1.01	2.13	3.65E+03	0.687
PCB-5 23-DiCB	NotFnd			1.0451	-		0.00E+00		0.99	ND	1.11E+04	2.14
PCB-8 24'-DiCB	14.46	B		1.0533	1.0535	+0.2	5.05E+05	1.36	1.03	11.3	1.11E+04	2.04
PCB-14 35-DiCB	NotFnd			0.9287	-		0.00E+00		1.15	ND	1.11E+04	1.84
PCB-11 33'-DiCB	16.59	B		0.9701	0.9701	0	8.65E+05	1.65	0.95	20.9	1.11E+04	2.21
PCB-13/12 34'/34-DiCB	16.84	J	C	0.9855	0.9848	-0.7	8.61E+04	SI	0.98	2.03	3.65E+03	0.708
PCB-15 44'-DiCB	17.11			1.0008	1.0009	+0.1	5.46E+05	1.43	1.01	12.5	1.11E+04	2.1

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.70		1.0011	1.0013	+0.2	3.03E+04	1.07	1.01	1.94	2.51E+03	1.16
PCB-30/18 246/22'5-TrCB	16.32	C	1.1110	1.1115	+0.5	3.91E+05	1.09	1.24	20.3	2.51E+03	0.941
PCB-17 22'4-TrCB	16.67		1.1357	1.1357	0	1.98E+05	0.97	1.05	12.2	2.51E+03	1.12
PCB-27 23'6-TrCB	16.85	EMPC	1.1479	1.1480	+0.1	4.52E+04	1.24	1.39	2.1	2.51E+03	0.841
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.33	ND	2.51E+03	0.88
PCB-16 22'3-TrCB	17.05		1.1612	1.1615	+0.3	1.59E+05	1.06	0.83	12.4	2.51E+03	1.4
PCB-32 24'6-TrCB	17.51		1.1923	1.1926	+0.3	1.91E+05	1.04	1.50	8.26	2.51E+03	0.781
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.36	ND	4.31E+03	0.8
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	4.31E+03	0.764
PCB-26/29 23'5/245-TrCB	18.99	B C	0.8236	0.8221	-1.7	3.08E+05	0.98	1.42	5.94	4.31E+03	0.769
PCB-25 23'4-TrCB	19.19		0.8315	0.8309	-0.7	1.47E+05	0.94	1.42	2.82	4.31E+03	0.765
PCB-31 24'5-TrCB	19.45		0.8430	0.8424	-0.7	1.72E+06	1.08	1.48	31.7	4.31E+03	0.737
PCB-28/20 244' /233'-TrCB	19.71	C	0.8542	0.8534	-0.9	2.20E+06	1.09	1.41	42.5	4.31E+03	0.77
PCB-21/33 234/23'4'-TrCB	19.90	C	0.8612	0.8618	+0.7	7.63E+05	1.09	1.43	14.5	4.31E+03	0.759
PCB-22 234'-TrCB	20.23		0.8766	0.8761	-0.6	7.07E+05	1.09	1.34	14.5	4.31E+03	0.815
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.39	ND	4.31E+03	0.785
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.44	ND	4.31E+03	0.758
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	4.31E+03	0.851
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00		1.28	ND	4.31E+03	0.854
PCB-37 344'-TrCB	23.12		1.0008	1.0010	+0.3	6.27E+05	1.17	1.20	14.3	4.31E+03	0.909
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	5.34E+02	0.208
PCB-50/53 22'46/22'56'-TeCB	19.20	C	0.9051	0.9039	-1.4	1.03E+05	0.77	0.80	3.03	5.87E+02	0.172
PCB-45 22'36-TeCB	19.76		0.9304	0.9304	0	1.07E+05	0.70	0.68	3.71	5.87E+02	0.202
PCB-51 22'46'-TeCB	19.84	J	0.9340	0.9341	+0.1	3.38E+04	0.81	0.81	0.989	5.87E+02	0.171
PCB-46 22'36'-TeCB	20.03		0.9429	0.9429	0	4.49E+04	0.69	0.66	1.61	5.87E+02	0.21
PCB-52 22'55'-TeCB	21.26	B	1.0010	1.0010	0	9.51E+05	0.77	0.73	30.6	5.87E+02	0.188
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.97	ND	5.87E+02	0.143
PCB-43 22'35-TeCB	21.46	J EMPC	1.0106	1.0104	-0.3	2.26E+04	0.62	0.67	0.8	5.87E+02	0.206
PCB-69/49 23'46/22'45'-TeCB	21.68	C	1.0198	1.0206	+1.0	5.95E+05	0.80	0.90	15.6	5.87E+02	0.153
PCB-48 22'45-TeCB	21.92		1.0319	1.0320	+0.1	1.71E+05	0.79	0.74	5.45	5.87E+02	0.186
PCB-44/47/65 ...-TeCB	22.11	C	1.0416	1.0408	-1.1	9.20E+05	0.76	0.80	27	5.87E+02	0.172
PCB-59/62/75 ...-TeCB	22.39	J C	1.0541	1.0539	-0.3	1.08E+05	0.78	1.01	2.53	5.87E+02	0.137
PCB-42 22'34'-TeCB	22.55		1.0612	1.0614	+0.3	2.21E+05	0.89	0.71	7.38	5.87E+02	0.195
PCB-41 22'34-TeCB	22.86		1.0759	1.0763	+0.5	7.65E+04	0.81	0.62	2.92	5.87E+02	0.223
PCB-71/40 23'4'6/22'33'-TeCB	22.96	C	1.0806	1.0811	+0.7	3.82E+05	0.78	0.77	11.8	5.87E+02	0.18
PCB-64 234'6-TeCB	23.16		1.0899	1.0906	+1.0	5.07E+05	0.75	1.07	11.2	5.87E+02	0.128
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00		1.28	ND	2.66E+03	0.488
PCB-68 23'45'-TeCB	NotFnd		0.8379	-		0.00E+00		1.33	ND	2.66E+03	0.468
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.20	ND	2.66E+03	0.521
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.20	ND	2.66E+03	0.522
PCB-67 23'45-TeCB	24.87	J	0.8620	0.8635	+2.2	7.35E+04	0.87	1.23	1.42	2.66E+03	0.508
PCB-63 234'5-TeCB	25.08	J EMPC	0.8697	0.8709	+1.8	5.59E+04	0.90	1.32	1	2.66E+03	0.473
PCB-61/70/74/76 ...-TeCB	25.36	C	0.8792	0.8807	+2.3	2.36E+06	0.78	1.23	45.3	2.66E+03	0.506
PCB-66 23'44'-TeCB	25.62		0.8888	0.8895	+1.1	1.10E+06	0.81	1.16	22.6	2.66E+03	0.54
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.17	ND	2.66E+03	0.531

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.16		0.9080	0.9083	+0.5	3.84E+05	0.75	1.15	7.89	2.66E+03	0.543
PCB-60 2344'-TeCB	26.34		0.9144	0.9146	+0.3	1.75E+05	0.81	1.21	3.41	2.66E+03	0.516
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.34	ND	2.66E+03	0.465
PCB-79 33'45'-TeCB	NotFnd		0.9718	-		0.00E+00		1.26	ND	2.66E+03	0.496
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.04	ND	2.66E+03	0.601
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	4.53E+02	0.235
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.93	ND	4.53E+02	0.231
PCB-103 22'45'6'-PeCB	24.05	J	0.8883	0.8890	+1.0	1.43E+04	0.53	0.86	0.616	7.93E+02	0.341
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.76	ND	7.93E+02	0.39
PCB-95 22'35'6'-PeCB	24.61		0.9082	0.9095	+1.9	8.30E+05	0.61	0.83	37.3	7.93E+02	0.356
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.83	ND	7.93E+02	0.356
PCB-102 22'456'-PeCB	24.92	J	0.9198	0.9212	+2.1	3.75E+04	0.59	0.98	1.43	7.93E+02	0.302
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.72	ND	7.93E+02	0.411
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.74	ND	7.93E+02	0.4
PCB-91 22'34'6'-PeCB	25.33		0.9352	0.9362	+1.5	1.44E+05	0.62	0.90	5.9	7.93E+02	0.326
PCB-84 22'33'6'-PeCB	25.50		0.9416	0.9424	+1.2	2.34E+05	0.64	0.71	12.3	7.93E+02	0.418
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.74	ND	7.93E+02	0.399
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.07	ND	7.93E+02	0.277
PCB-92 22'355'-PeCB	26.59		0.9825	0.9827	+0.3	2.11E+05	0.65	0.74	10.5	7.93E+02	0.396
PCB-113/90/101 ...-PeCB	27.08	C	0.9999	1.0008	+1.5	1.24E+06	0.63	0.88	52.5	7.93E+02	0.336
PCB-83 22'33'5'-PeCB	27.46		1.0150	1.0149	-0.2	5.70E+04	0.70	0.64	3.29	7.93E+02	0.458
PCB-99 22'44'5'-PeCB	27.57		1.0190	1.0189	-0.2	5.90E+05	0.63	0.78	28.1	7.93E+02	0.378
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	7.93E+02	0.285
PCB-108/119/86/97/125...-PeCB	28.02	C	1.0347	1.0355	+1.3	8.11E+05	0.61	0.90	33.6	7.93E+02	0.328
PCB-117 234'56'-PeCB	28.52		1.0539	1.0542	+0.5	5.17E+04	0.65	0.71	2.69	7.93E+02	0.413
PCB-116/85 23456/22'344'-PeCB	28.58	C	1.0566	1.0564	-0.3	1.91E+05	0.61	1.00	7.09	7.93E+02	0.295
PCB-110 233'4'6'-PeCB	28.72		1.0615	1.0613	-0.3	1.66E+06	0.63	0.99	62.2	7.93E+02	0.297
PCB-115 2344'6'-PeCB	28.81	J EMPC	1.0644	1.0647	+0.5	2.94E+04	0.85	1.00	1.09	7.93E+02	0.294
PCB-82 22'33'4'-PeCB	28.97		1.0711	1.0707	-0.7	9.87E+04	0.67	0.65	5.68	7.93E+02	0.456
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.04	ND	7.93E+02	0.284
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.04	ND	7.93E+02	0.283
PCB-107/124 ...-PeCB	30.68	J C	0.9909	0.9910	+0.2	5.32E+04	0.57	0.96	2.06	7.93E+02	0.307
PCB-109 233'46'-PeCB	30.88		0.9976	0.9976	0	1.09E+05	0.68	0.98	4.14	7.93E+02	0.301
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.94	ND	7.93E+02	0.315
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.97	ND	7.93E+02	0.343
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.94	ND	7.93E+02	0.33
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	5.75E+02	0.211
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	5.75E+02	0.224
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.02	ND	5.75E+02	0.218
PCB-136 22'33'66'-HxCB	27.46		1.0216	1.0216	0	2.01E+05	1.24	0.92	9.45	5.75E+02	0.241
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	5.75E+02	0.234
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.72	ND	5.75E+02	0.309
PCB-151/135 ...-HxCB	29.52	C	1.0986	1.0982	-0.7	4.19E+05	1.31	0.70	26	5.75E+02	0.318
PCB-154 22'44'56'-HxCB	29.74	J EMPC	1.1067	1.1066	-0.2	2.08E+04	0.97	0.78	1.16	5.75E+02	0.285
PCB-144 22'345'6'-HxCB	29.99		1.1158	1.1156	-0.4	6.03E+04	1.33	0.70	3.75	5.75E+02	0.318

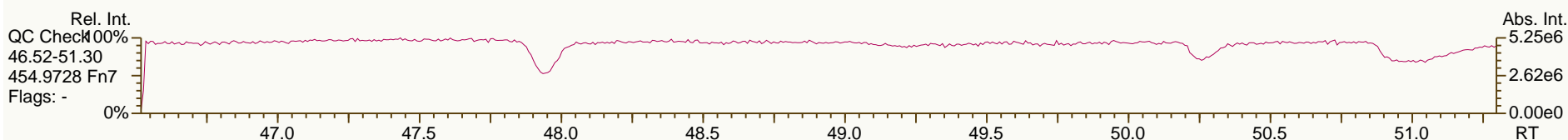
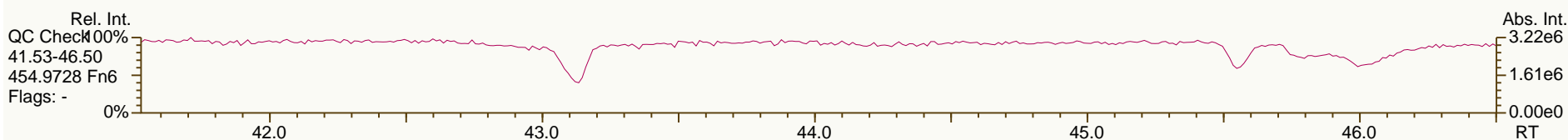
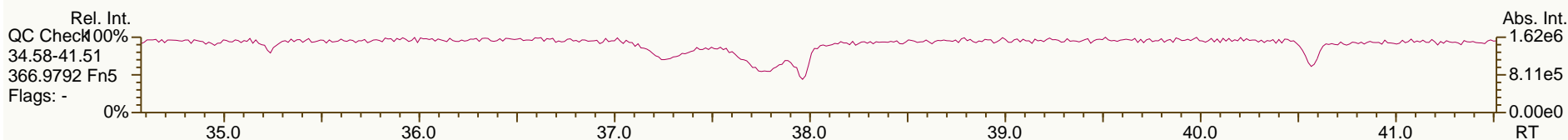
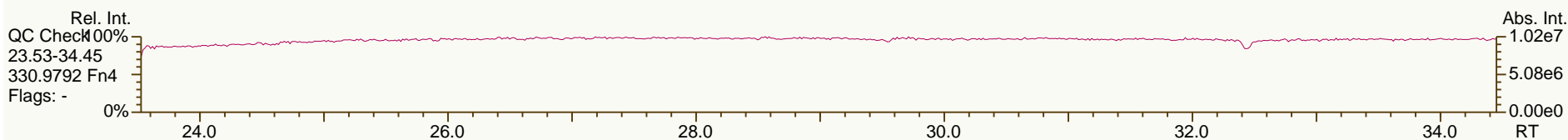
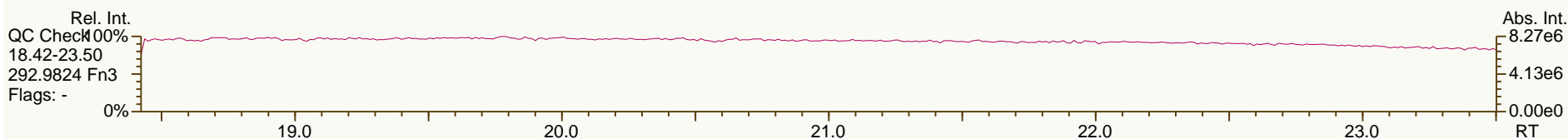
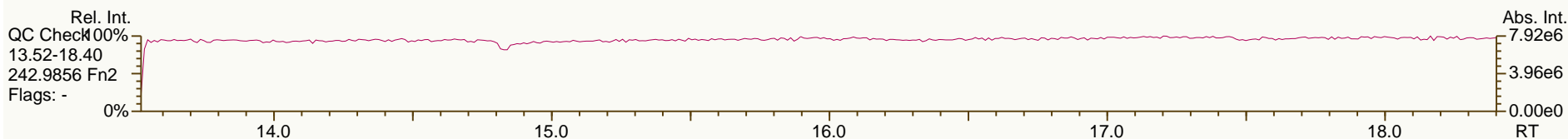
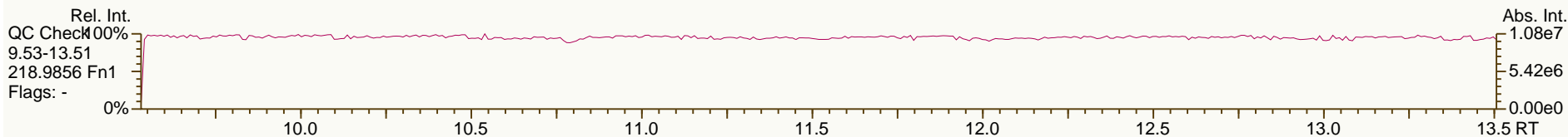
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.28	C	1.1269	1.1264	-0.9	1.06E+06	1.19	0.72	64.4	5.75E+02	0.31
PCB-134 22'33'56"-HxCB	30.44		1.1326	1.1324	-0.4	7.17E+04	1.40	0.59	5.32	5.75E+02	0.38
PCB-143 22'3456"-HxCB	NotFnd		1.1356	-		0.00E+00		0.66	ND	5.75E+02	0.336
PCB-139/140 ...-HxCB	30.78	J EMPC C	1.1458	1.1453	-0.9	3.08E+04	1.49	0.73	1.83	5.75E+02	0.304
PCB-131 22'33'46"-HxCB	30.95	J EMPC	1.1516	1.1516	0	1.86E+04	0.89	0.61	1.32	5.75E+02	0.365
PCB-142 22'3456"-HxCB	NotFnd		1.1564	-		0.00E+00		0.62	ND	5.75E+02	0.36
PCB-132 22'33'46"-HxCB	31.32		1.1655	1.1652	-0.6	4.52E+05	1.26	0.64	30.8	5.75E+02	0.349
PCB-133 22'33'55"-HxCB	31.77		1.1826	1.1822	-0.8	2.74E+04	1.36	0.64	1.86	5.75E+02	0.348
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.79	ND	5.75E+02	0.284
PCB-146 22'34'55"-HxCB	32.32		0.9550	0.9550	0	2.71E+05	1.31	0.68	17.4	5.75E+02	0.329
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.88	ND	5.75E+02	0.254
PCB-153/168 ...-HxCB	32.84	C	0.9709	0.9702	-1.4	1.52E+06	1.23	0.89	74.1	5.75E+02	0.251
PCB-141 22'3455"-HxCB	32.99		0.9746	0.9747	+0.2	2.30E+05	1.23	0.65	15.4	5.75E+02	0.343
PCB-130 22'33'45"-HxCB	33.33		0.9847	0.9848	+0.2	1.05E+05	1.25	0.58	7.84	5.75E+02	0.383
PCB-137 22'344'5"-HxCB	33.52		0.9904	0.9904	0	8.08E+04	1.14	0.66	5.32	5.75E+02	0.337
PCB-164 233'4'5'6"-HxCB	33.61		0.9930	0.9930	0	1.32E+05	1.25	0.89	6.45	5.75E+02	0.251
PCB-163/138/129 ...-HxCB	33.87	C	1.0012	1.0008	-0.8	1.74E+06	1.25	0.72	106	5.75E+02	0.311
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.86	ND	5.75E+02	0.26
PCB-158 233'44'6"-HxCB	34.20		1.0106	1.0106	0	2.21E+05	1.23	0.93	10.3	5.75E+02	0.238
PCB-128/166 ...-HxCB	34.92	C	0.9593	0.9594	+0.2	3.06E+05	1.26	0.99	12.5	1.25E+03	0.501
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.05	ND	1.25E+03	0.47
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.12	ND	1.25E+03	0.442
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	4.18E+02	0.203
PCB-179 22'33'566"-HpCB	31.96		1.0089	1.0088	-0.2	1.68E+05	1.17	1.04	8.28	4.18E+02	0.209
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.00	ND	4.18E+02	0.215
PCB-176 22'33'466"-HpCB	32.70	EMPC	1.0324	1.0323	-0.2	4.14E+04	1.35	1.11	1.89	4.18E+02	0.194
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.05	ND	4.18E+02	0.207
PCB-178 22'33'55'6"-HpCB	34.27		1.0816	1.0817	+0.2	7.27E+04	0.98	0.80	4.62	4.18E+02	0.27
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00		0.97	ND	1.03E+03	0.549
PCB-187 22'34'55'6"-HpCB	35.03		1.1057	1.1058	+0.2	4.94E+05	1.00	1.03	24.4	1.03E+03	0.515
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		1.02	ND	1.03E+03	0.518
PCB-183 22'344'5'6"-HpCB	35.55		1.1219	1.1221	+0.4	1.92E+05	1.04	1.08	9.09	1.03E+03	0.494
PCB-185 22'3455'6"-HpCB	35.62	J	1.1241	1.1243	+0.4	2.22E+04	1.16	0.93	1.22	1.03E+03	0.569
PCB-174 22'33'456"-HpCB	35.72		1.1276	1.1277	+0.2	2.81E+05	1.09	0.84	17	1.03E+03	0.628
PCB-177 22'33'45'6"-HpCB	36.09	EMPC	1.1393	1.1393	0	1.64E+05	0.88	0.83	10	1.03E+03	0.636
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.94	ND	1.03E+03	0.564
PCB-171/173 ...-HpCB	36.62	EMPC C	1.1556	1.1561	+1.1	7.99E+04	0.82	0.84	4.83	1.03E+03	0.63
PCB-172 22'33'455"-HpCB	38.01		0.9003	0.9004	+0.2	3.68E+04	1.08	0.61	1.73	1.03E+03	0.516
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.79	ND	1.03E+03	0.396
PCB-180/193 ...-HpCB	38.55	C	0.9127	0.9133	+1.4	7.86E+05	1.06	0.84	26.6	1.03E+03	0.373
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00		0.80	ND	1.03E+03	0.392
PCB-170 22'33'44'5"-HpCB	39.60		0.9380	0.9380	0	2.54E+05	1.02	0.70	10.4	1.03E+03	0.45
PCB-190 233'44'56"-HpCB	40.05		0.9486	0.9486	0	7.05E+04	1.00	0.78	2.57	1.03E+03	0.401
PCB-202 22'33'55'66"-OoCB	36.21		1.0006	1.0006	0	1.03E+05	0.85	0.83	6.42	9.14E+02	0.614
PCB-201 22'33'45'66"-OoCB	36.99	EMPC	1.0221	1.0221	0	4.24E+04	0.65	0.99	2.2	9.14E+02	0.513

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.92	ND	9.14E+02	0.55
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		1.07	ND	9.14E+02	0.473
PCB-200 22'33'4566'-OcCB	37.83		1.0451	1.0452	+0.2	2.74E+04	0.99	0.86	1.65	9.14E+02	0.593
PCB-198/199 ...-OcCB	40.21	C	1.1102	1.1109	+1.7	3.67E+05	0.86	0.69	27.1	9.14E+02	0.731
PCB-196 22'33'44'56'-OcCB	40.75	EMPC	1.1260	1.1260	0	8.93E+04	1.07	0.70	6.53	9.14E+02	0.723
PCB-203 22'344'55'6-OcCB	40.93		1.1306	1.1308	+0.5	2.39E+05	0.91	0.77	16	9.14E+02	0.663
PCB-195 22'33'44'56-OcCB	42.02		0.9469	0.9468	-0.3	6.57E+04	0.83	0.67	4.61	1.45E+03	1.13
PCB-194 22'33'44'55'-OcCB	44.00		0.9915	0.9915	0	2.79E+05	0.90	0.74	17.7	1.45E+03	1.02
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	1.45E+03	0.692
PCB-208 22'33'455'66'-NoCB	41.84		1.0005	1.0006	+0.3	1.34E+05	0.70	0.98	7.47	1.16E+03	0.878
PCB-207 22'33'44'566'-NoCB	42.62		1.0192	1.0191	-0.3	4.41E+04	0.84	1.01	2.36	1.16E+03	0.844
PCB-206 22'33'44'55'6-NoCB	45.86		1.0004	1.0004	0	3.37E+05	0.82	0.93	29	1.16E+03	1.23

AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

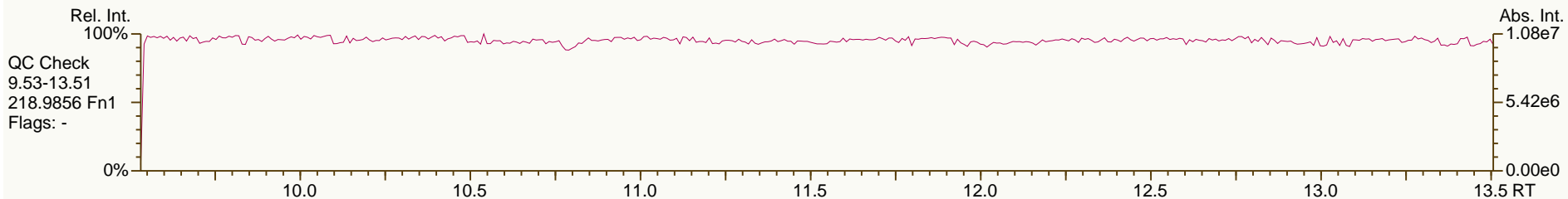
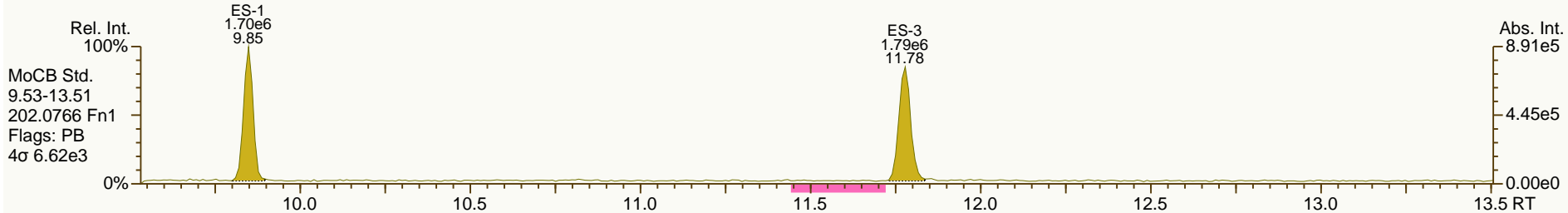
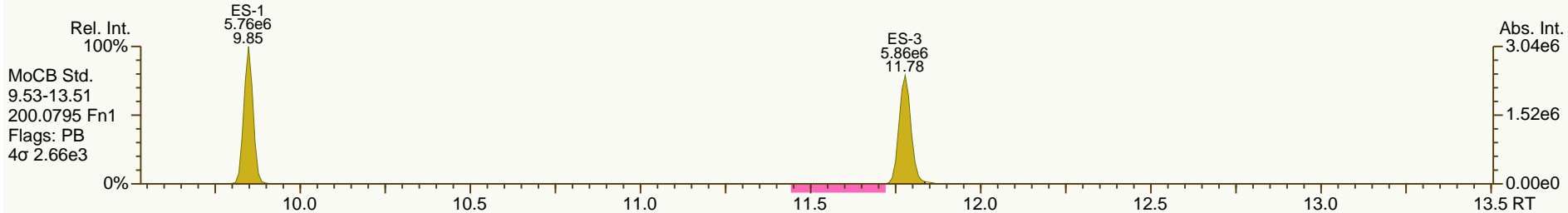
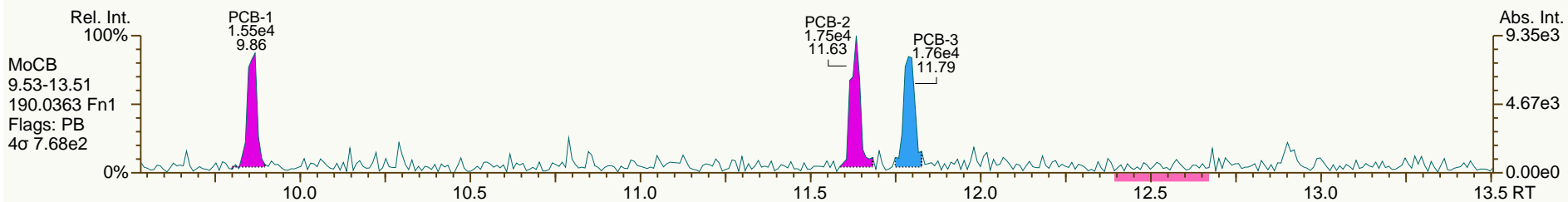
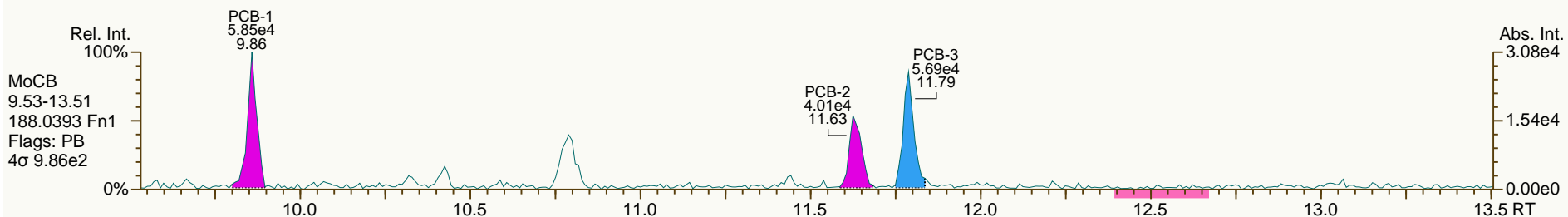
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

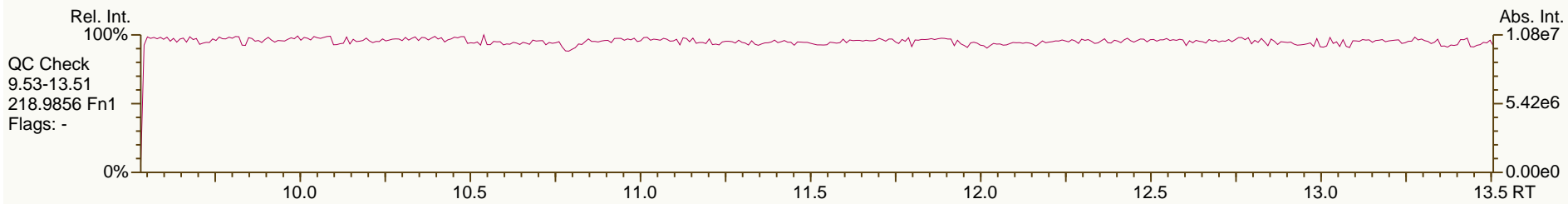
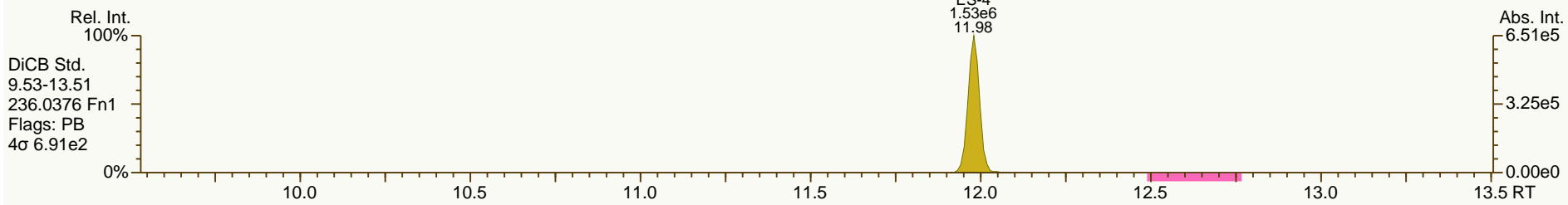
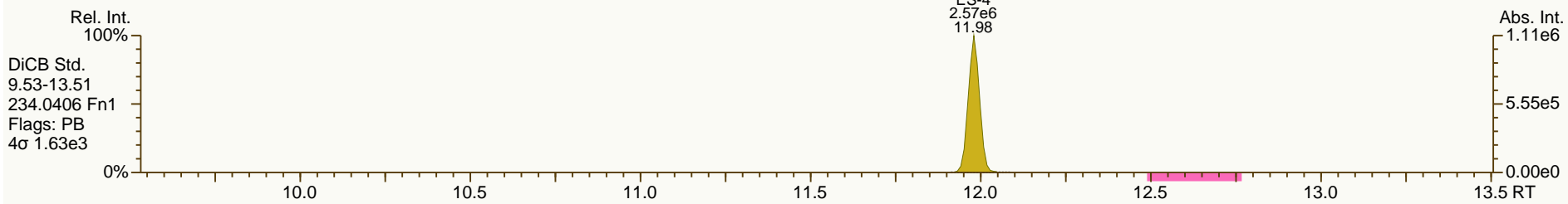
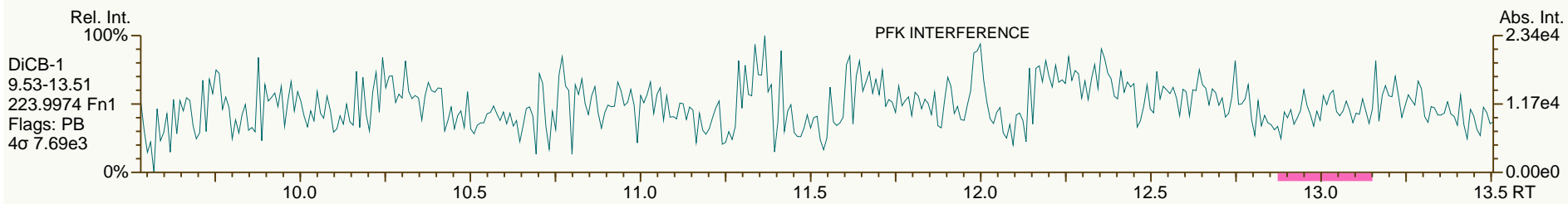
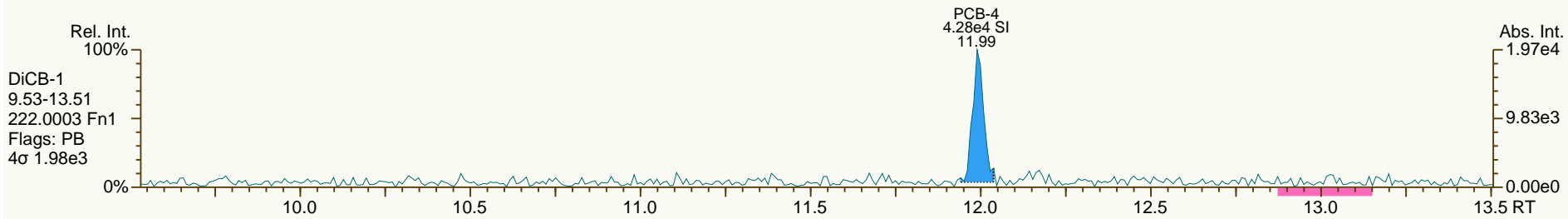
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

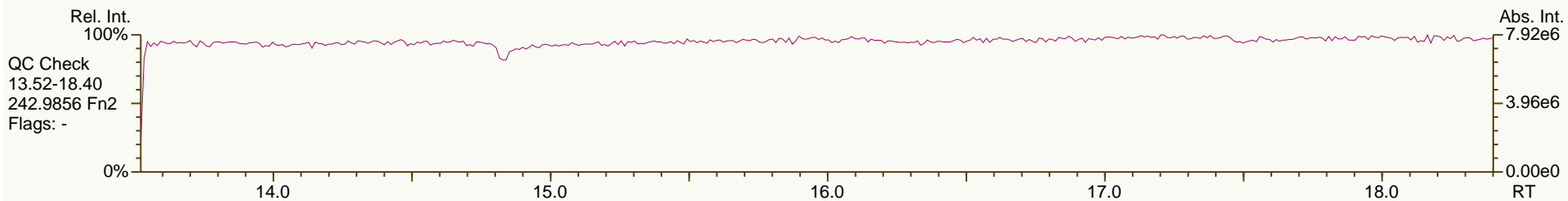
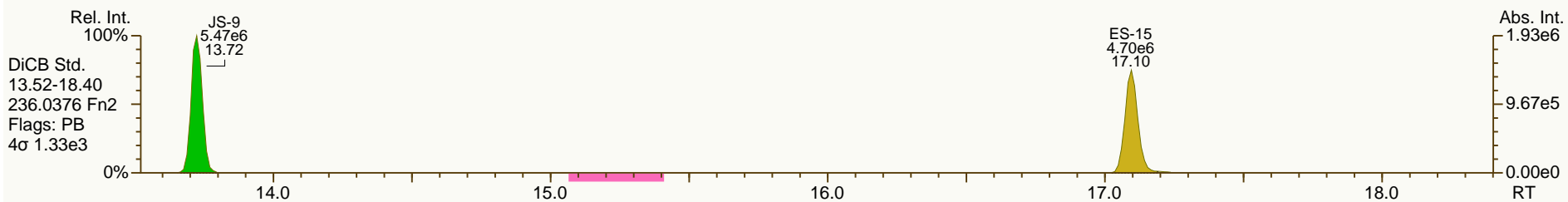
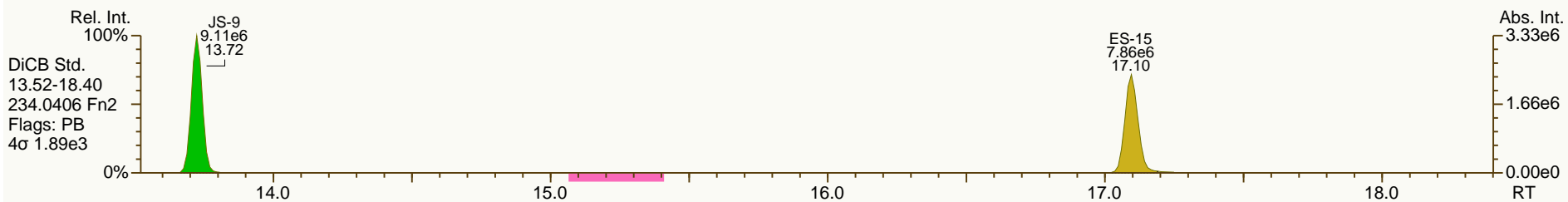
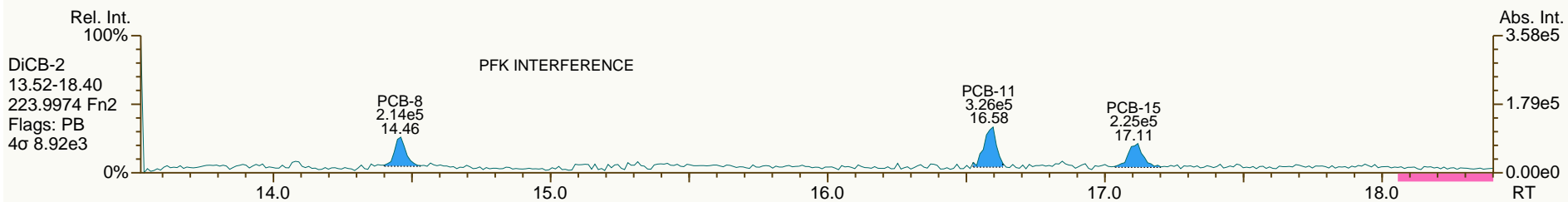
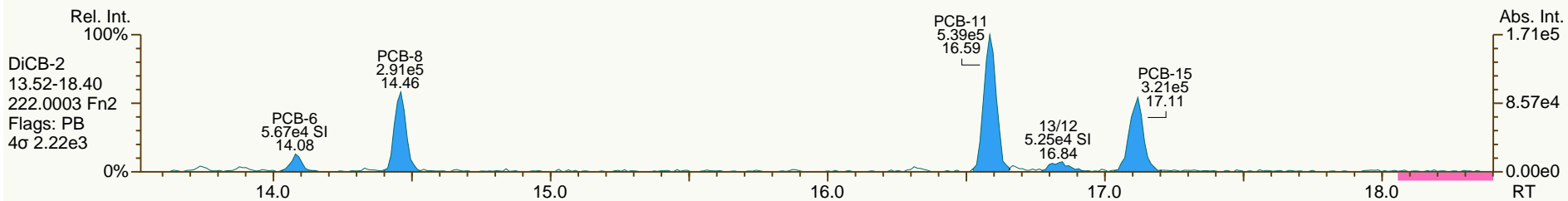
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

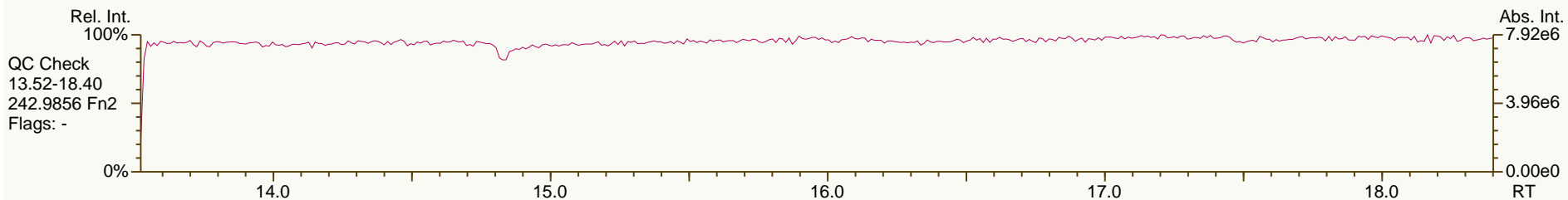
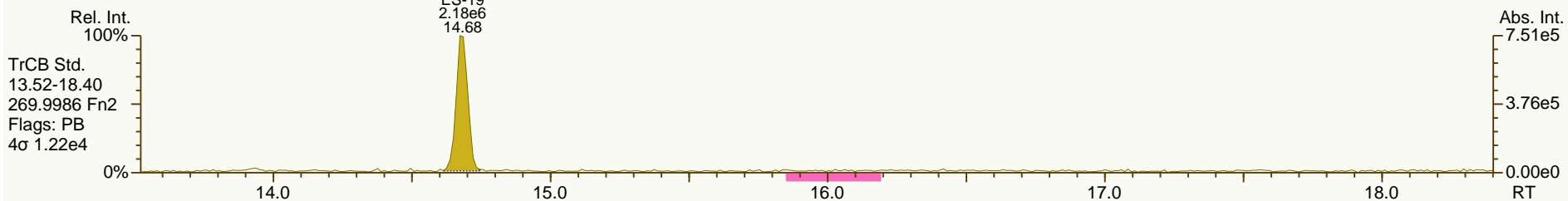
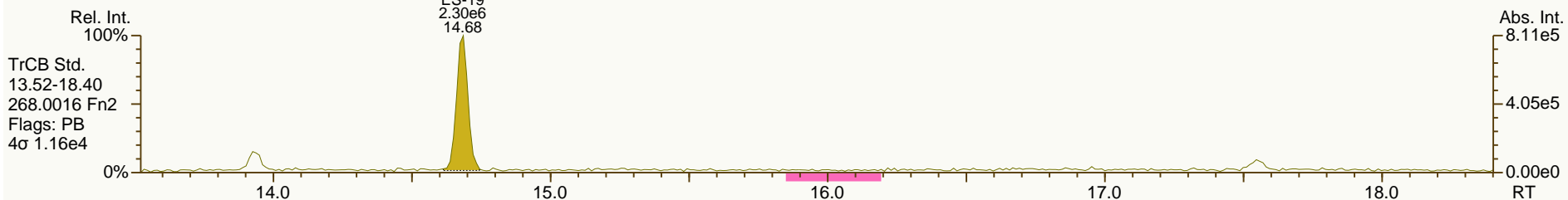
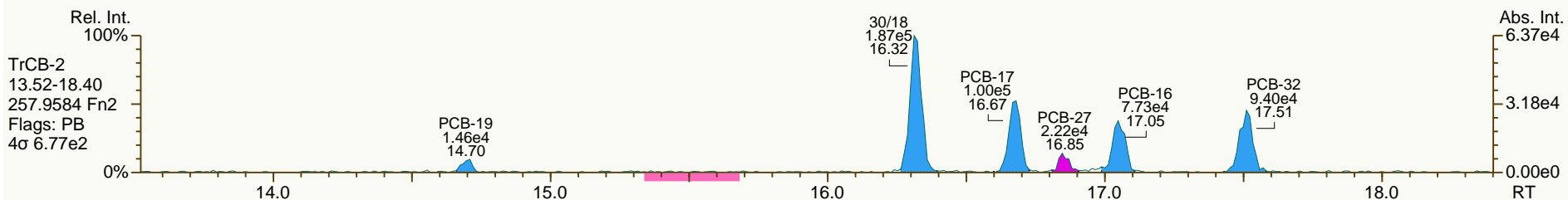
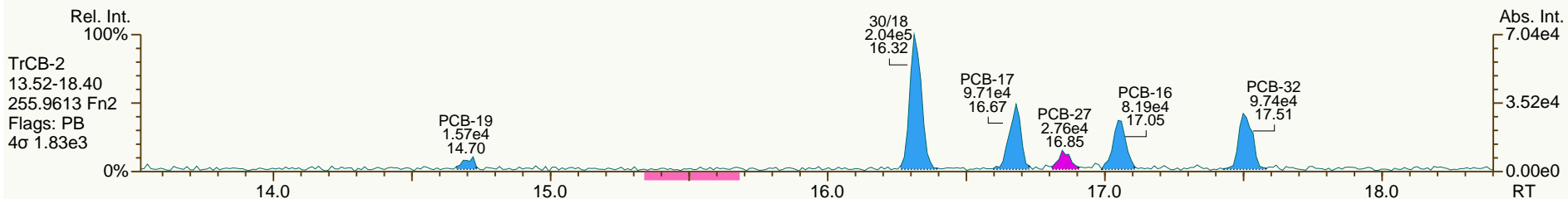
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

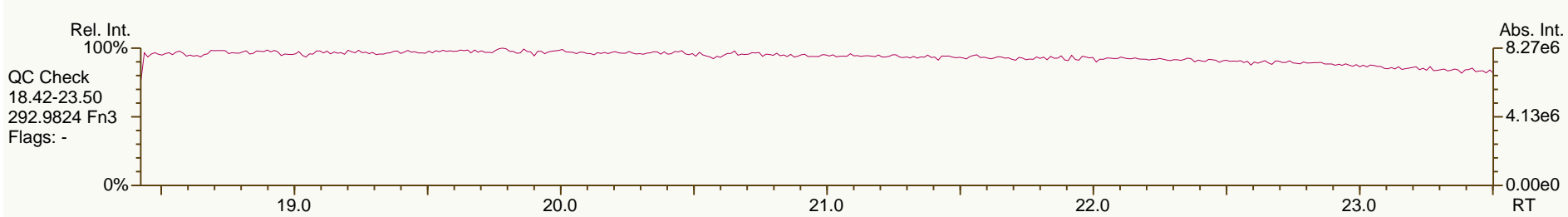
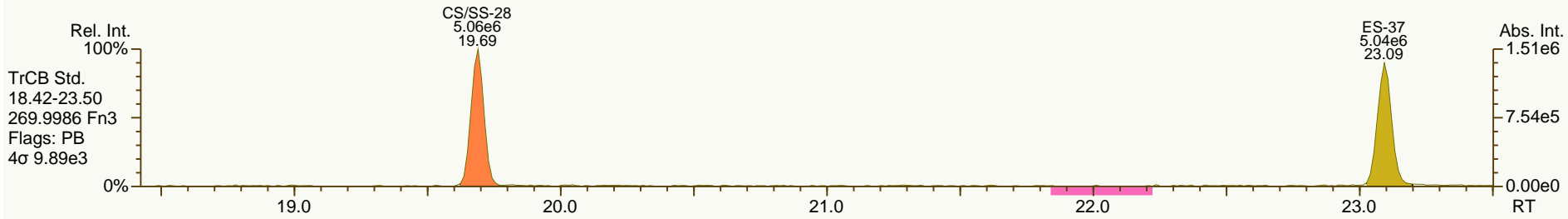
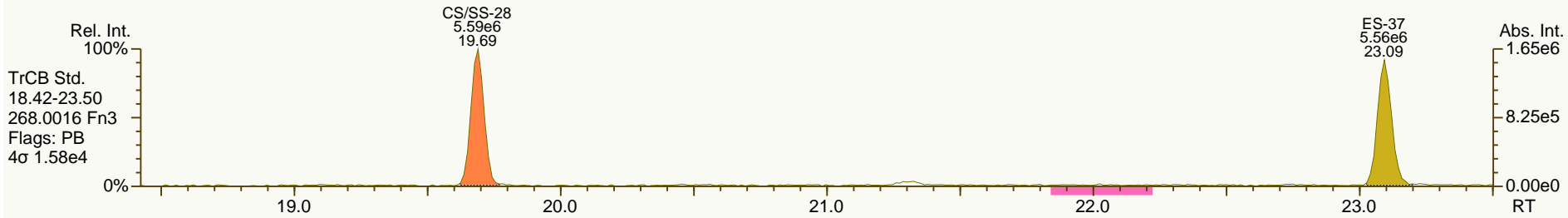
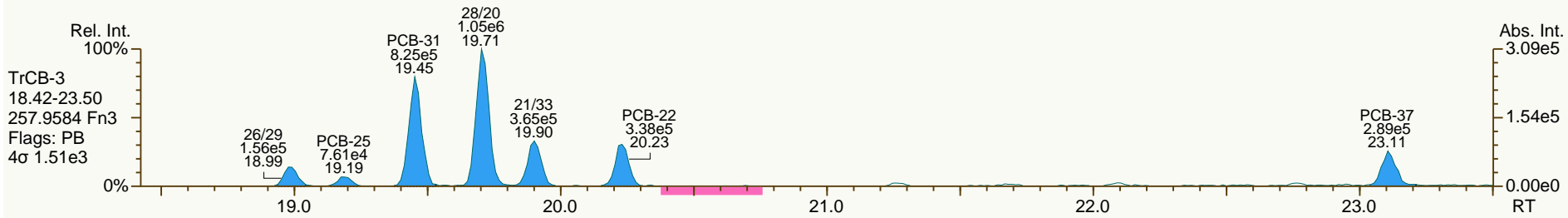
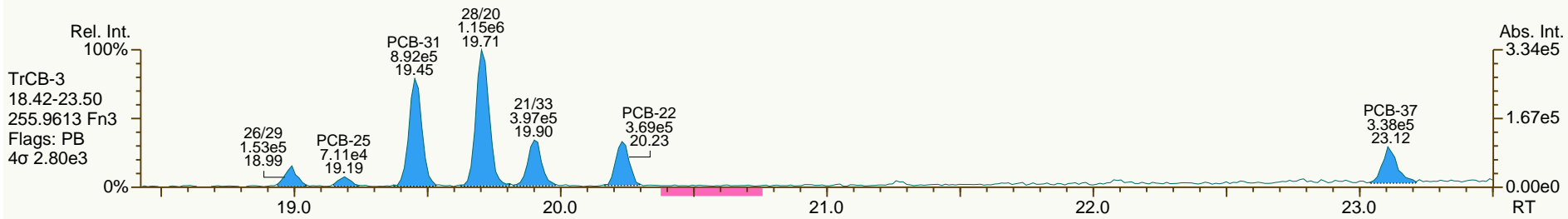
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

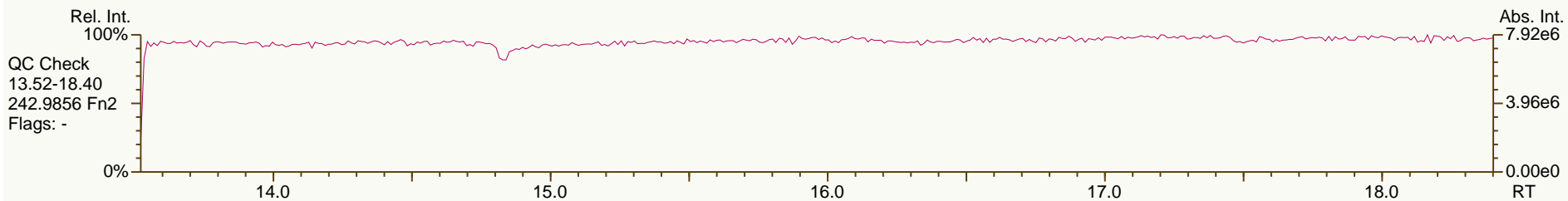
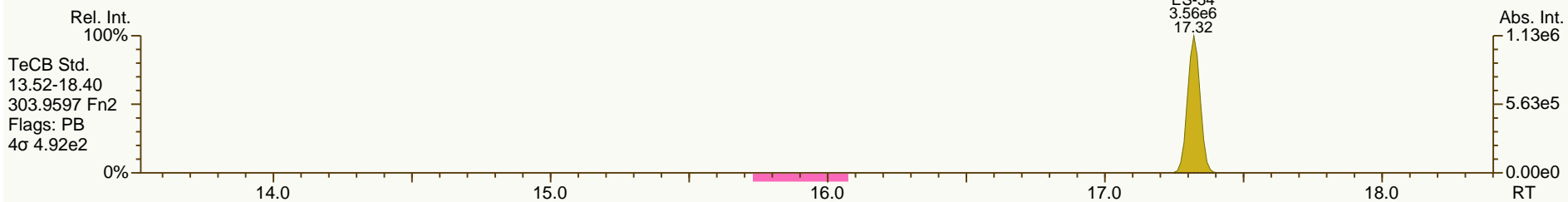
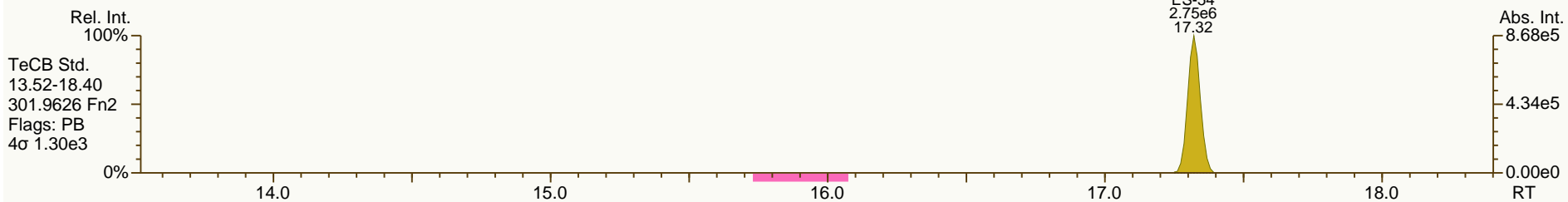
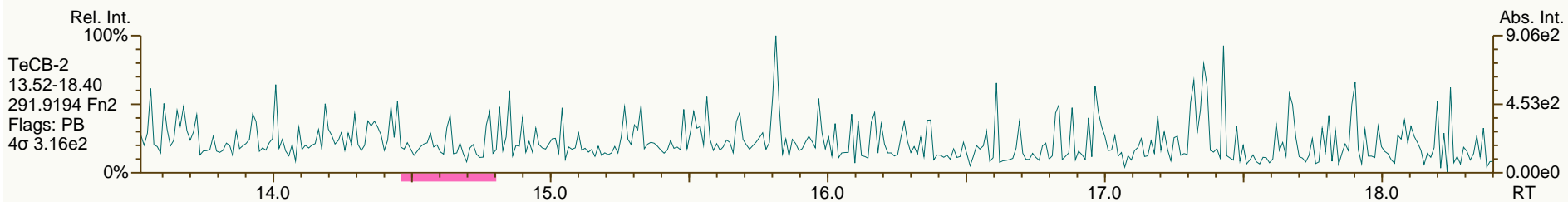
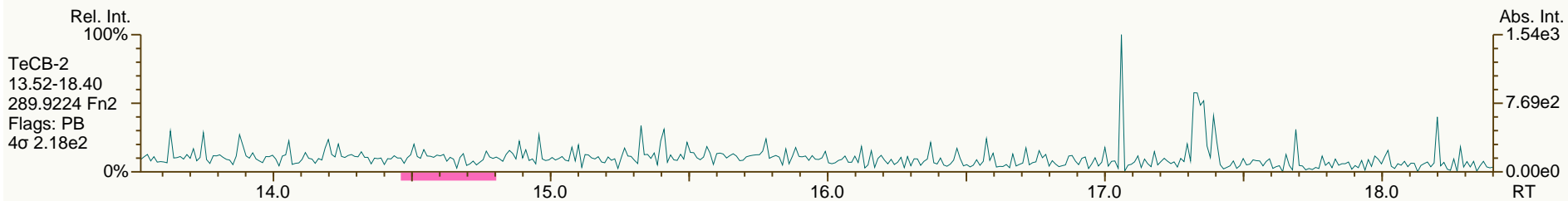
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

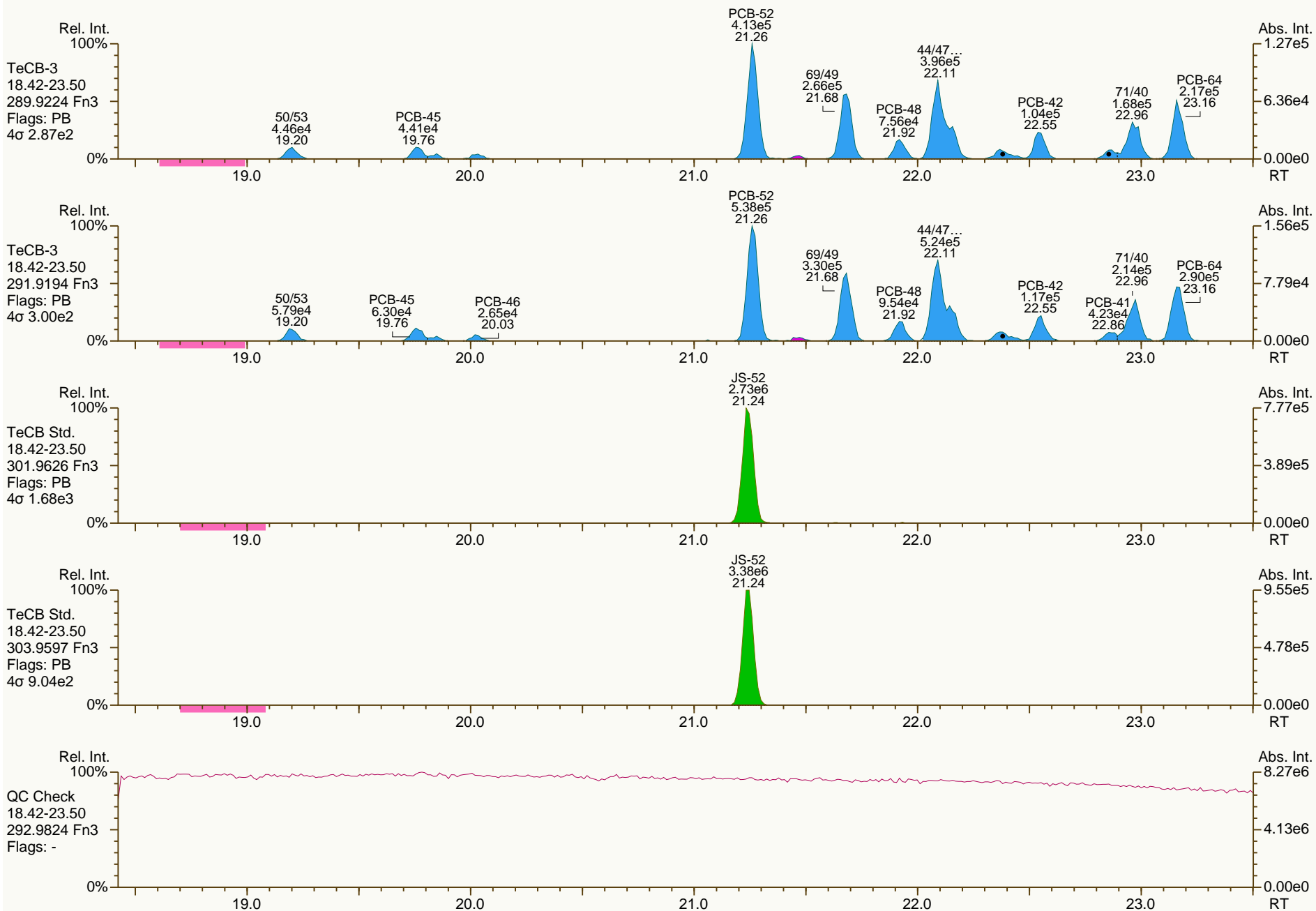
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

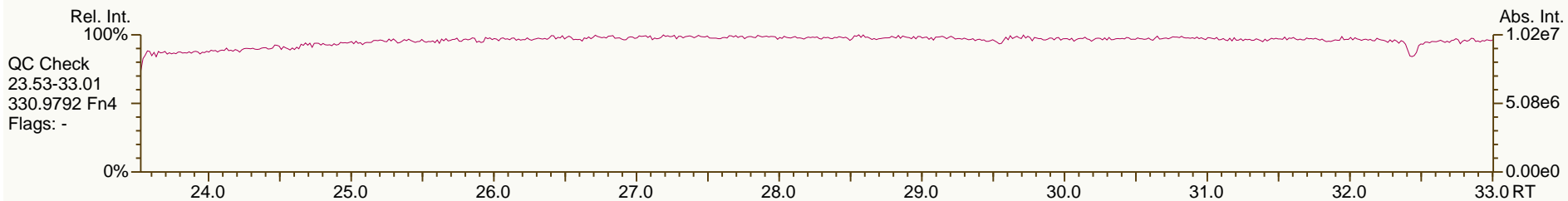
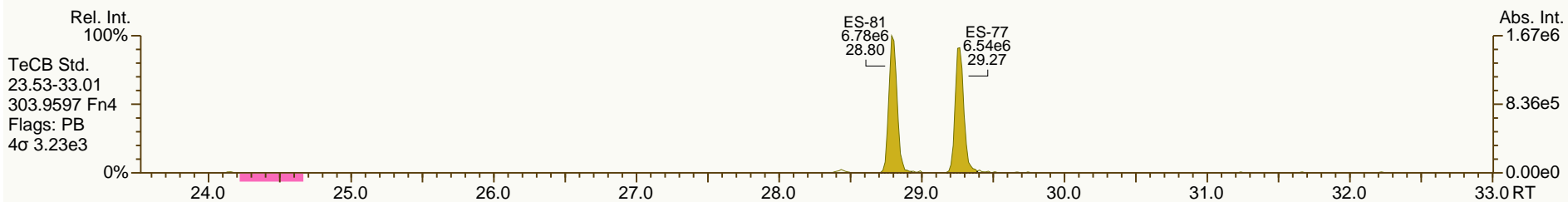
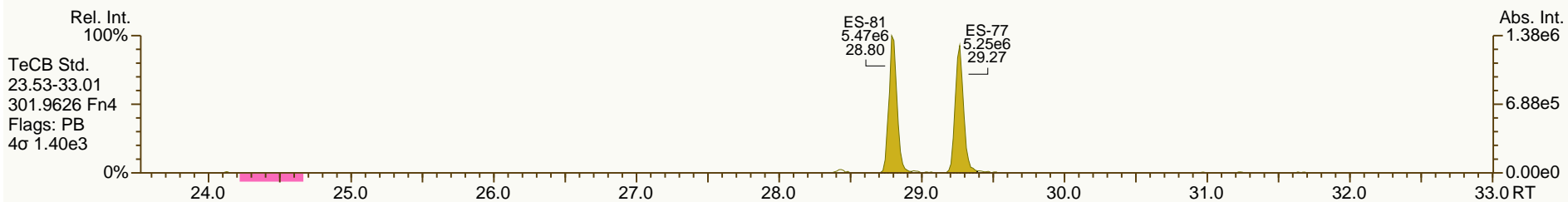
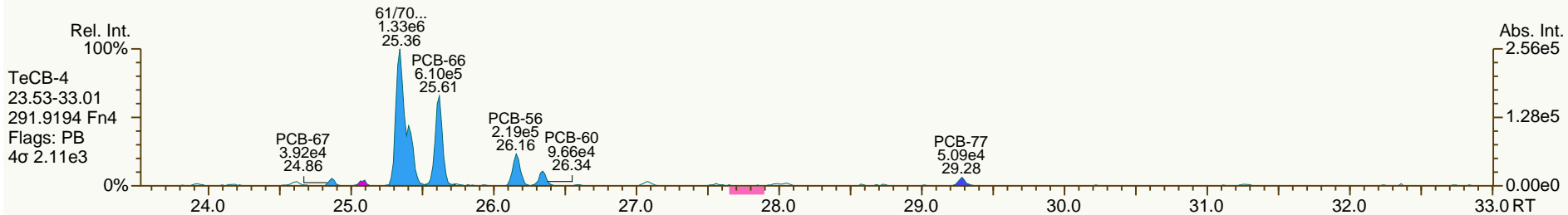
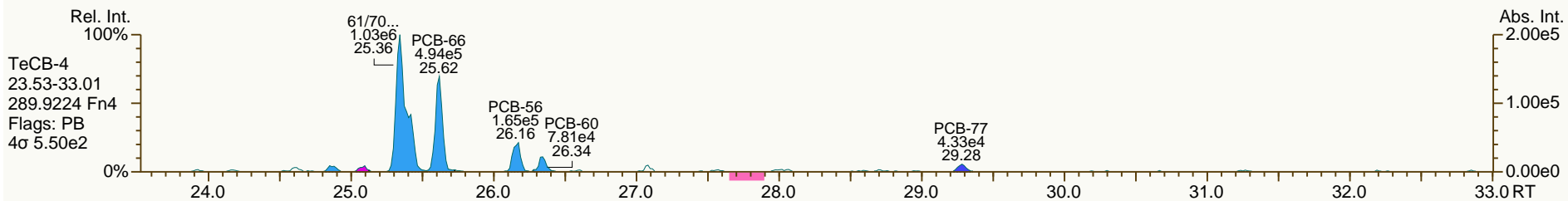
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

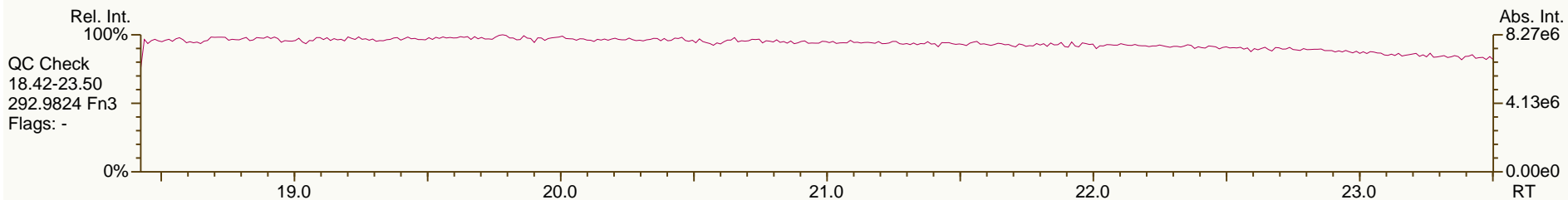
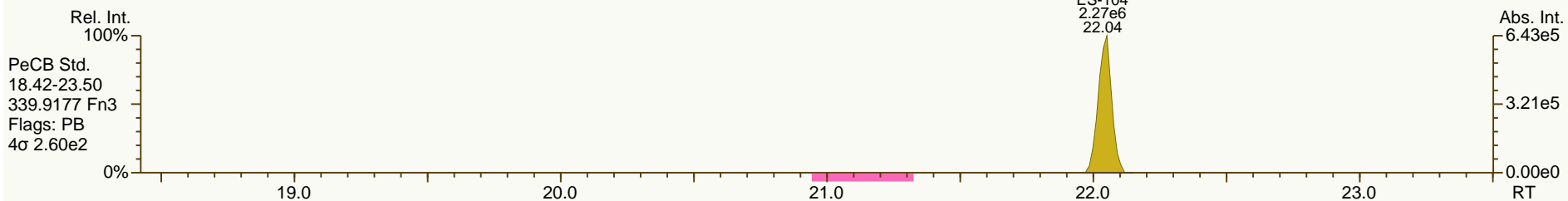
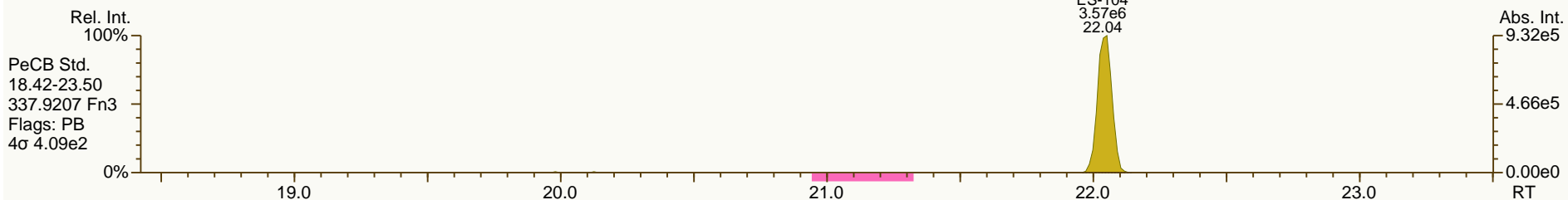
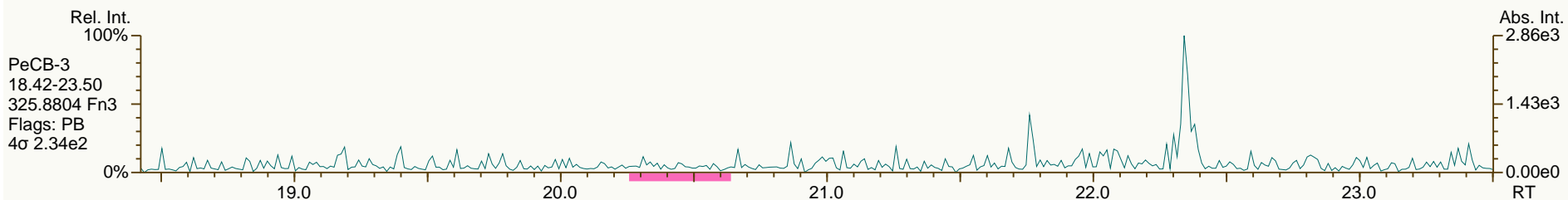
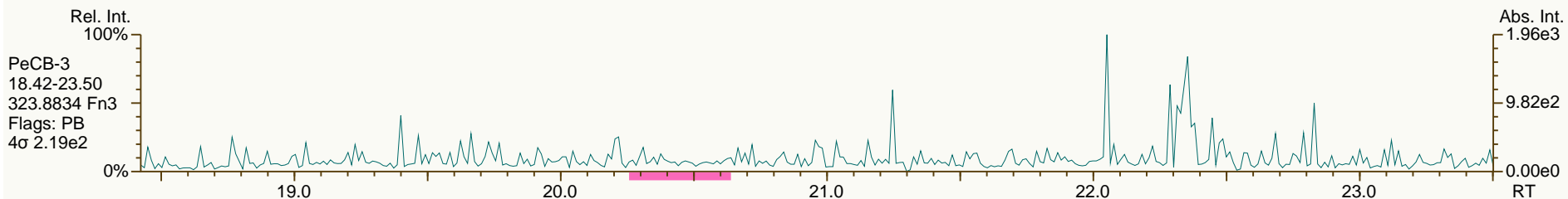
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

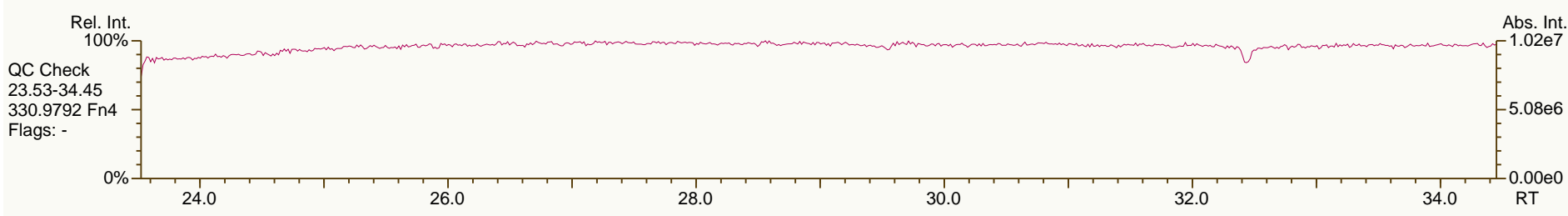
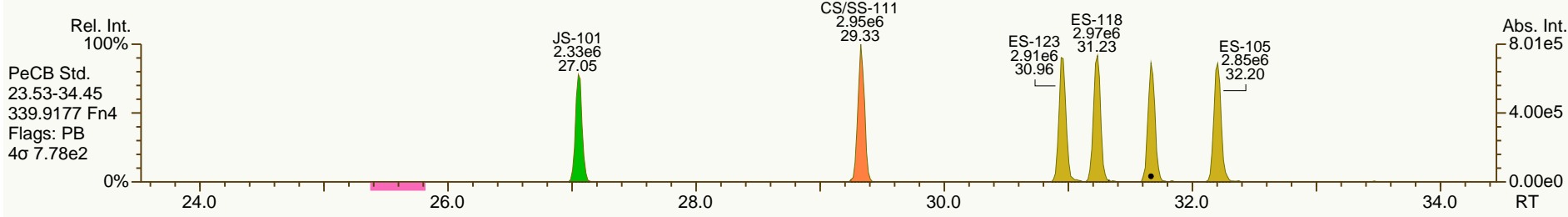
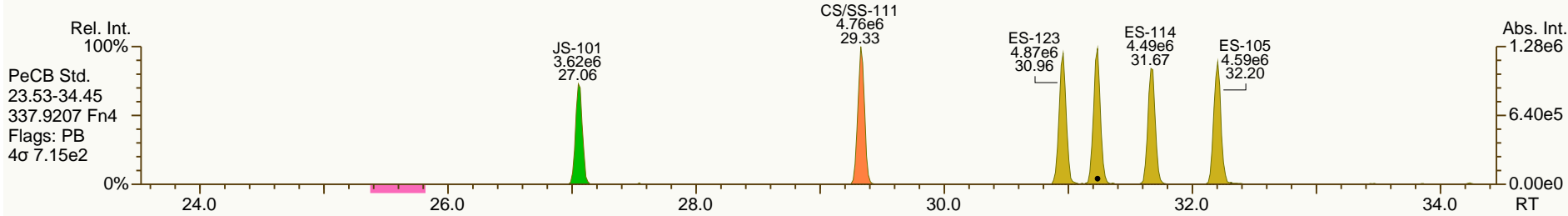
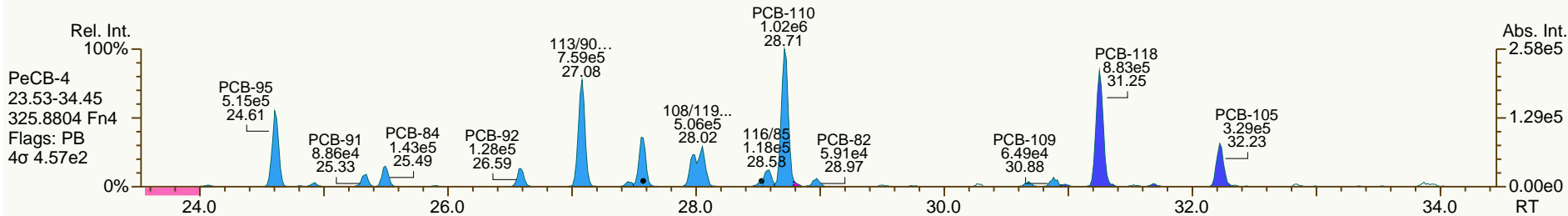
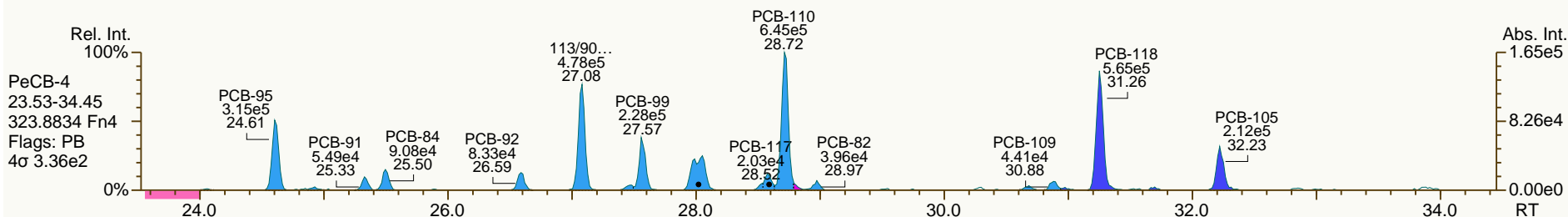
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

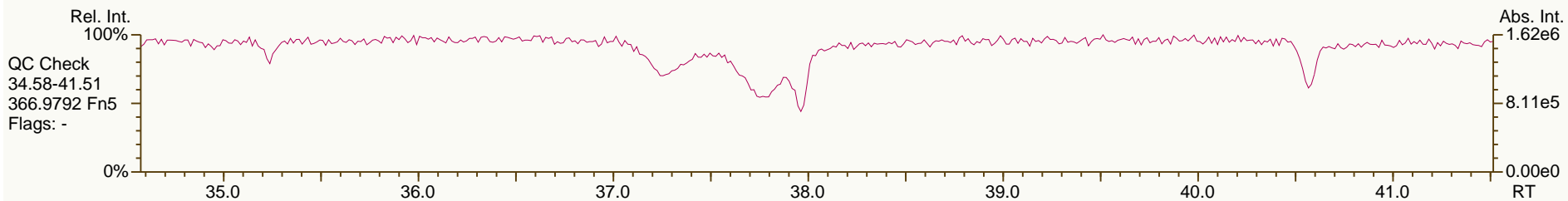
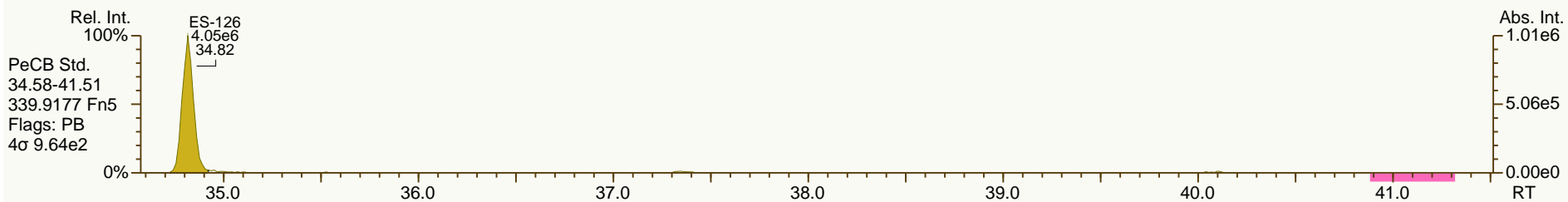
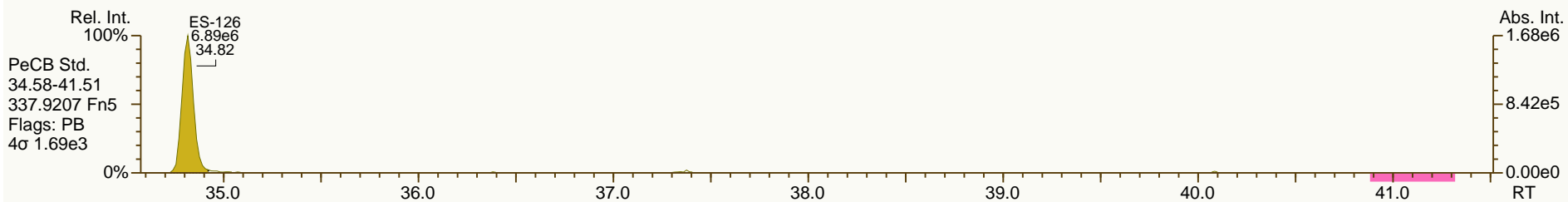
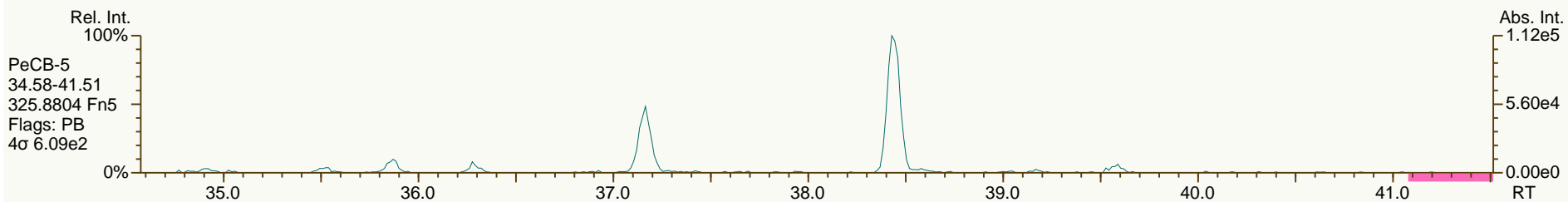
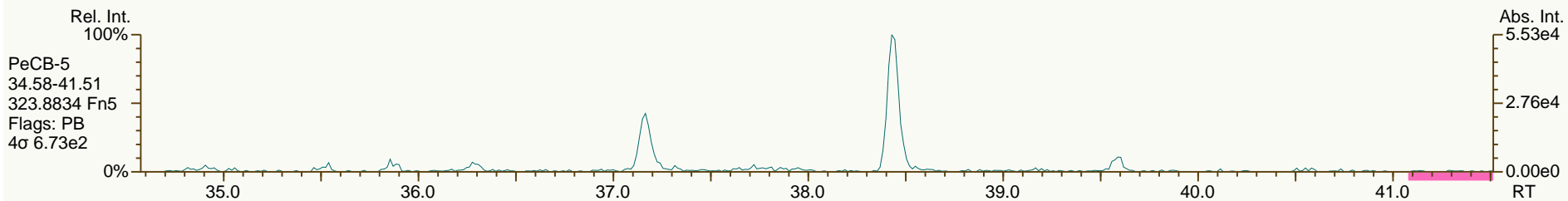
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

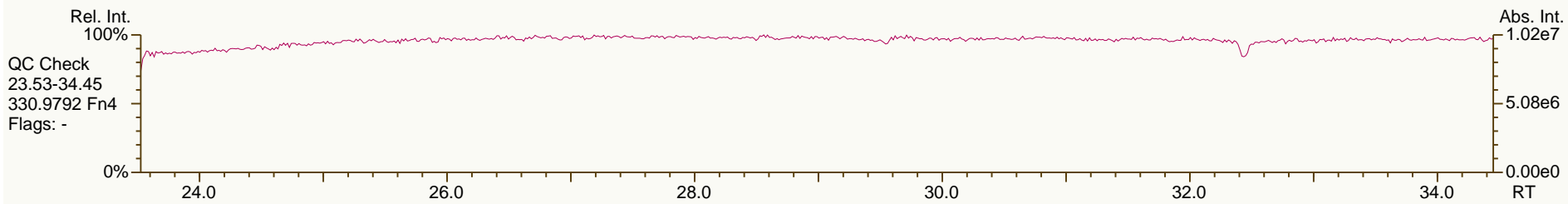
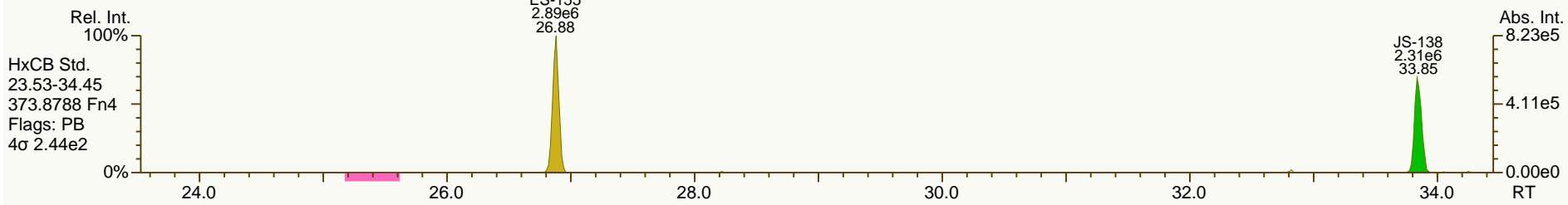
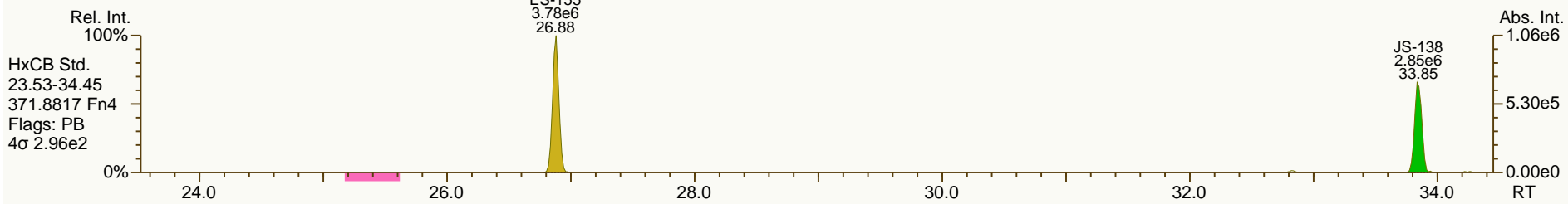
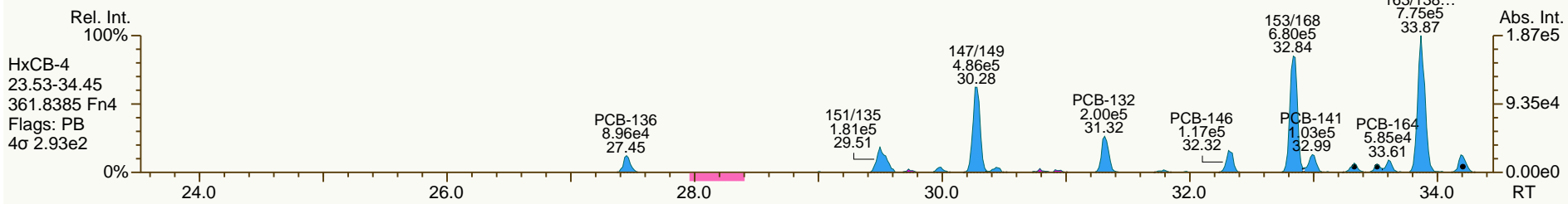
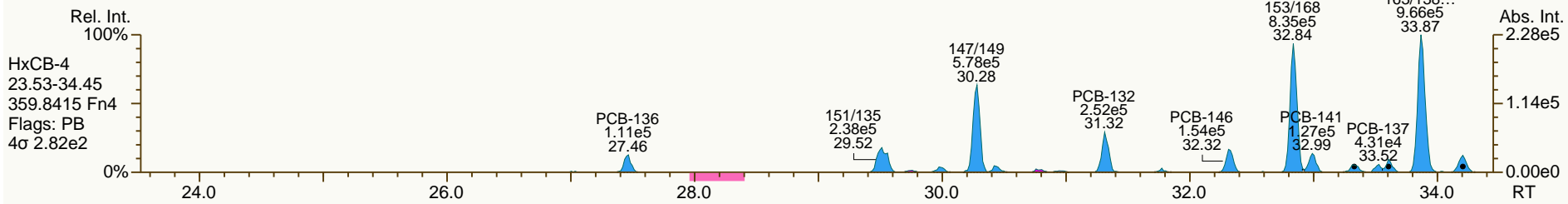
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

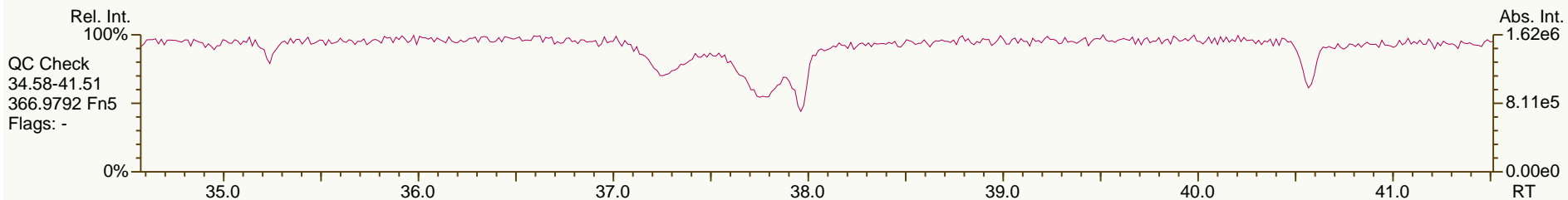
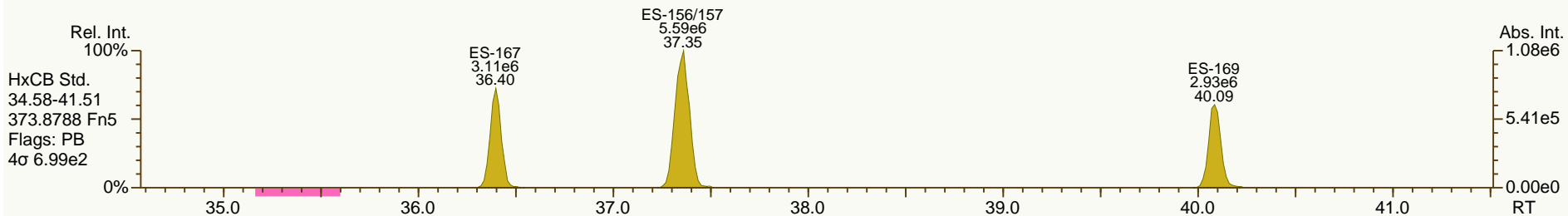
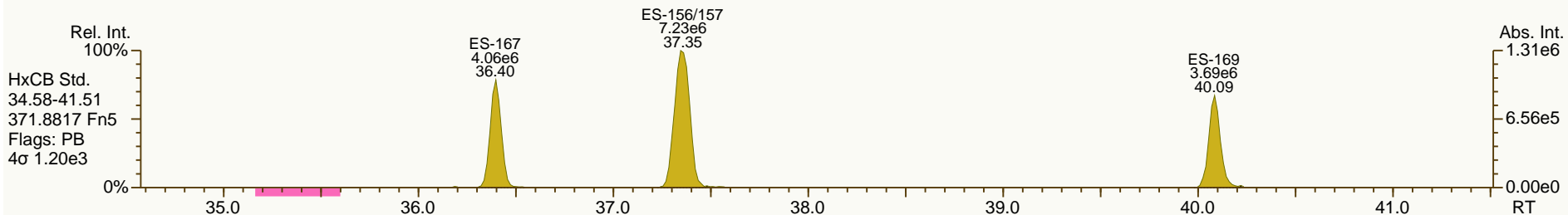
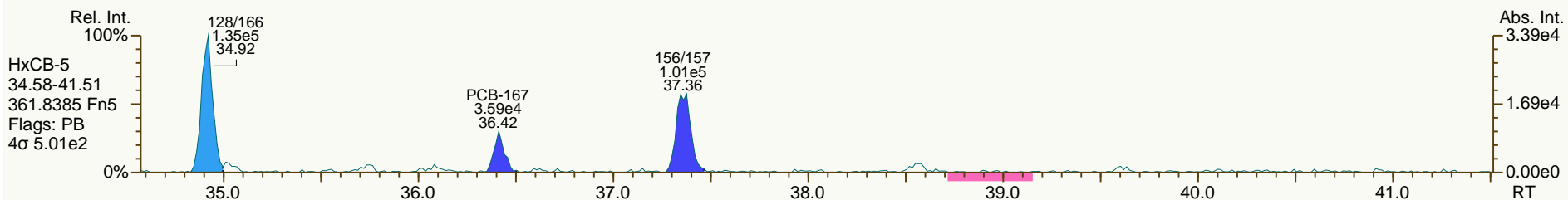
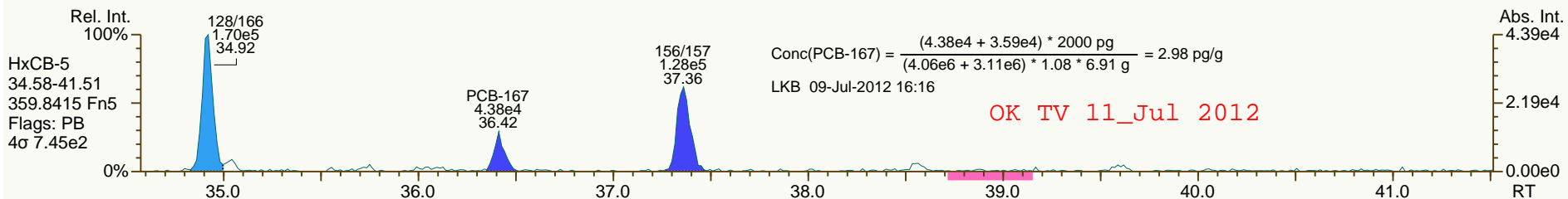
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

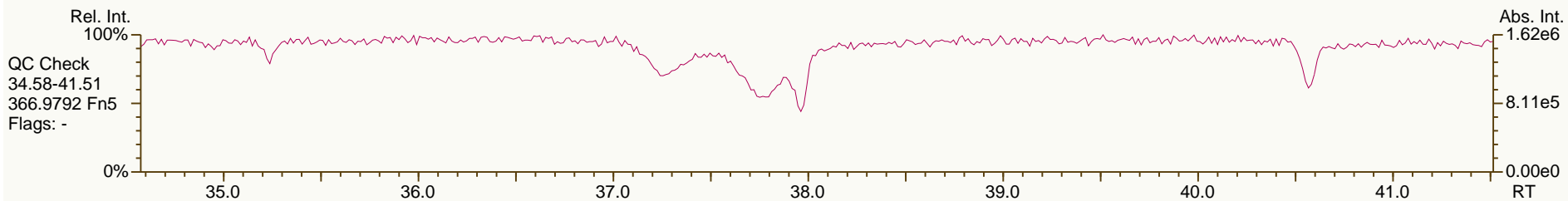
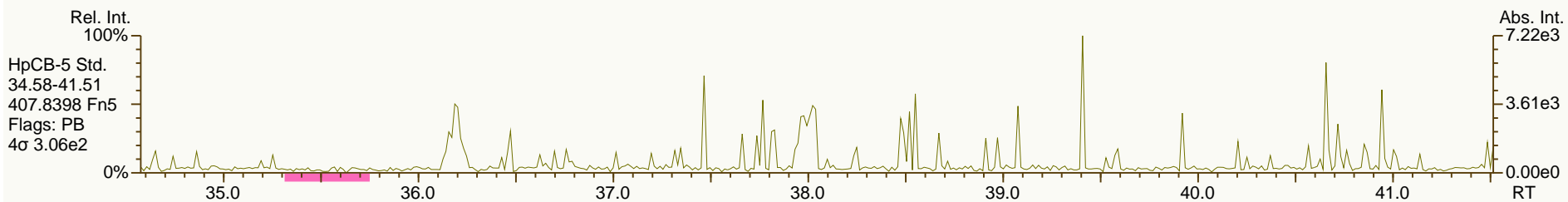
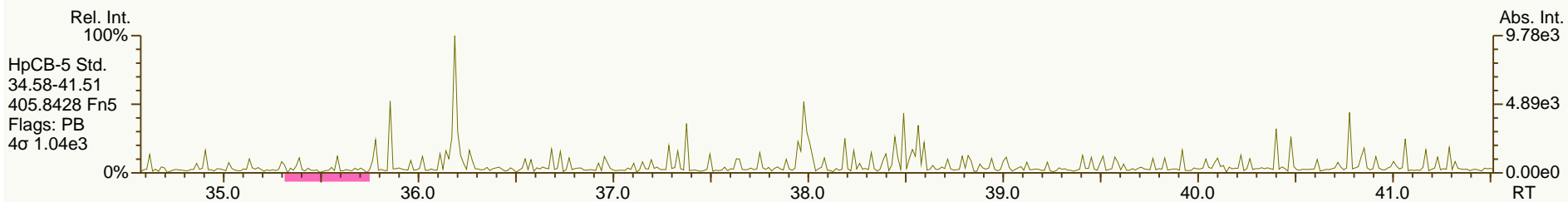
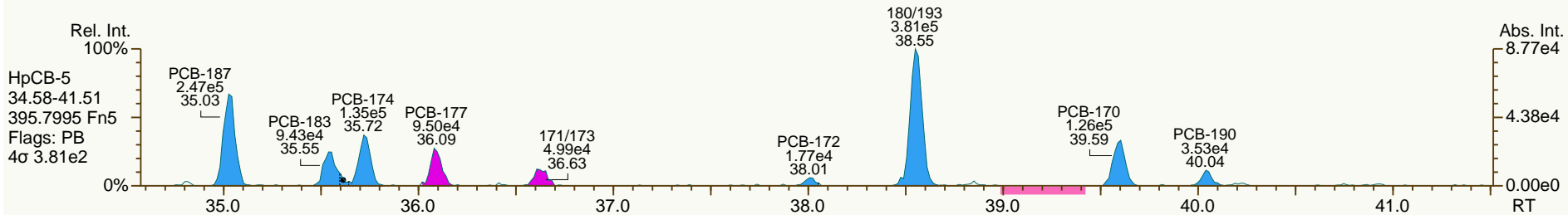
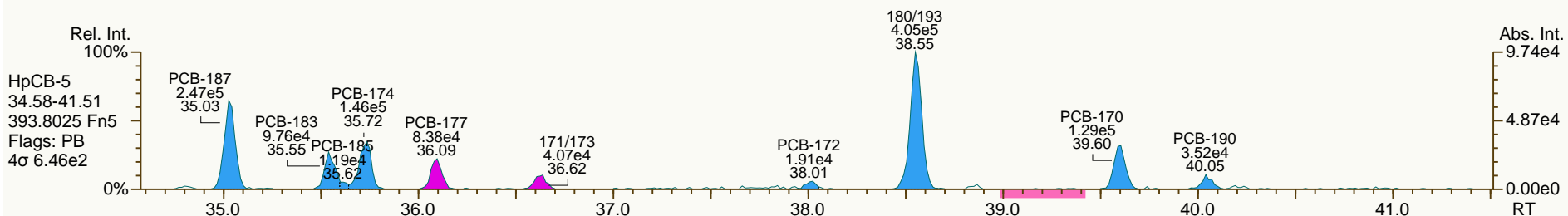
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

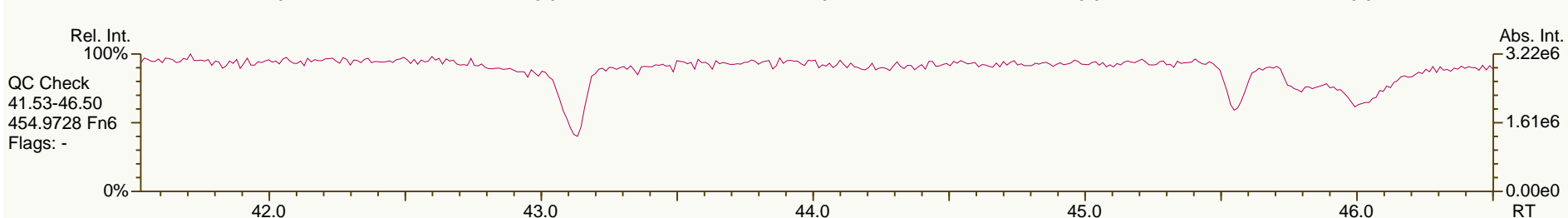
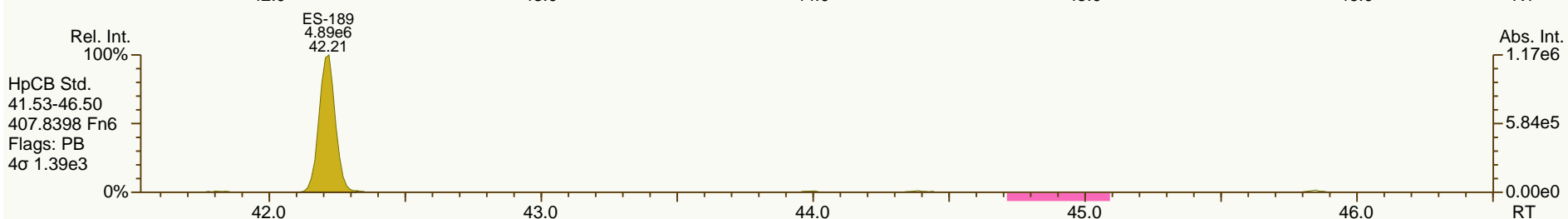
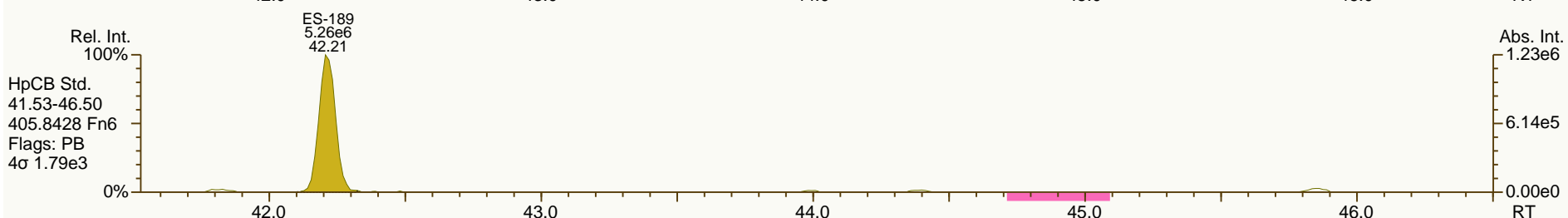
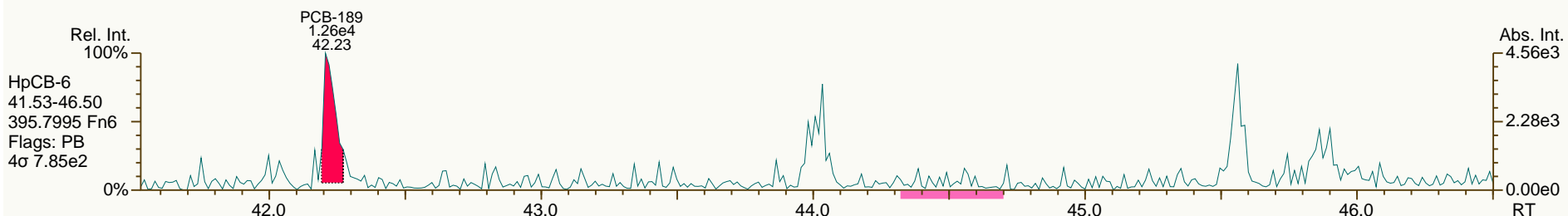
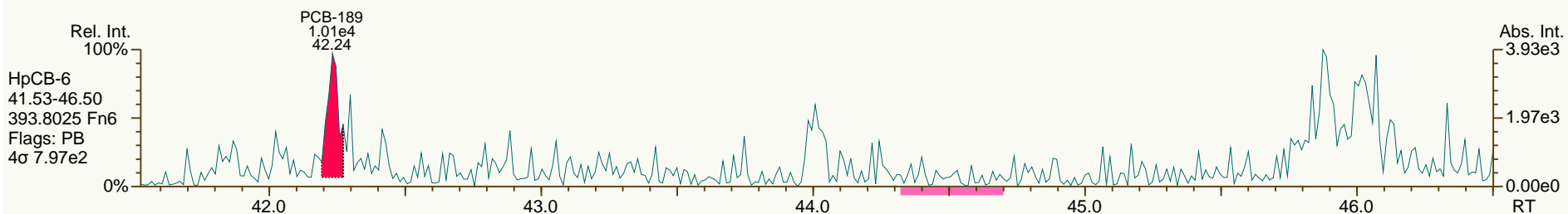
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

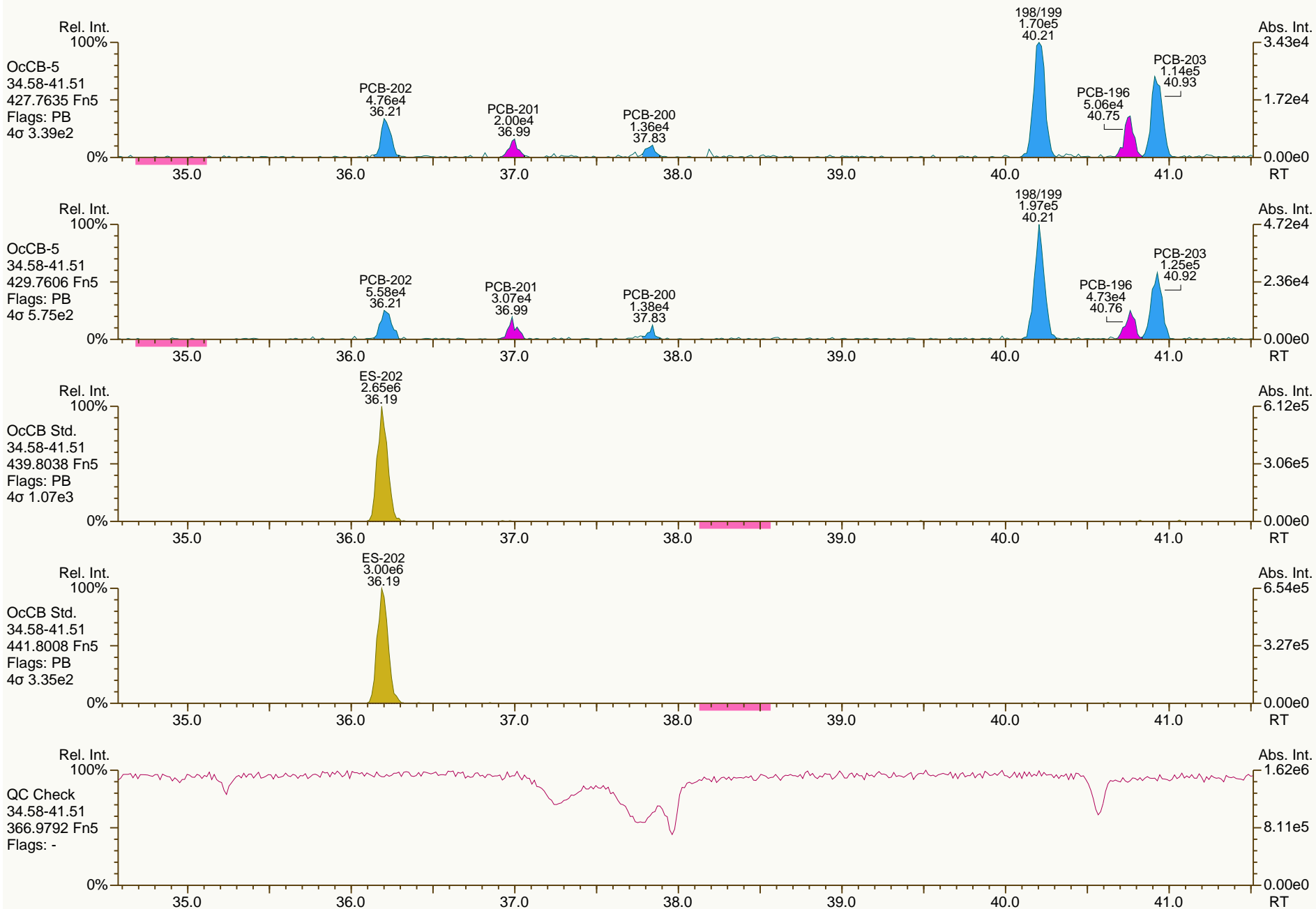
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

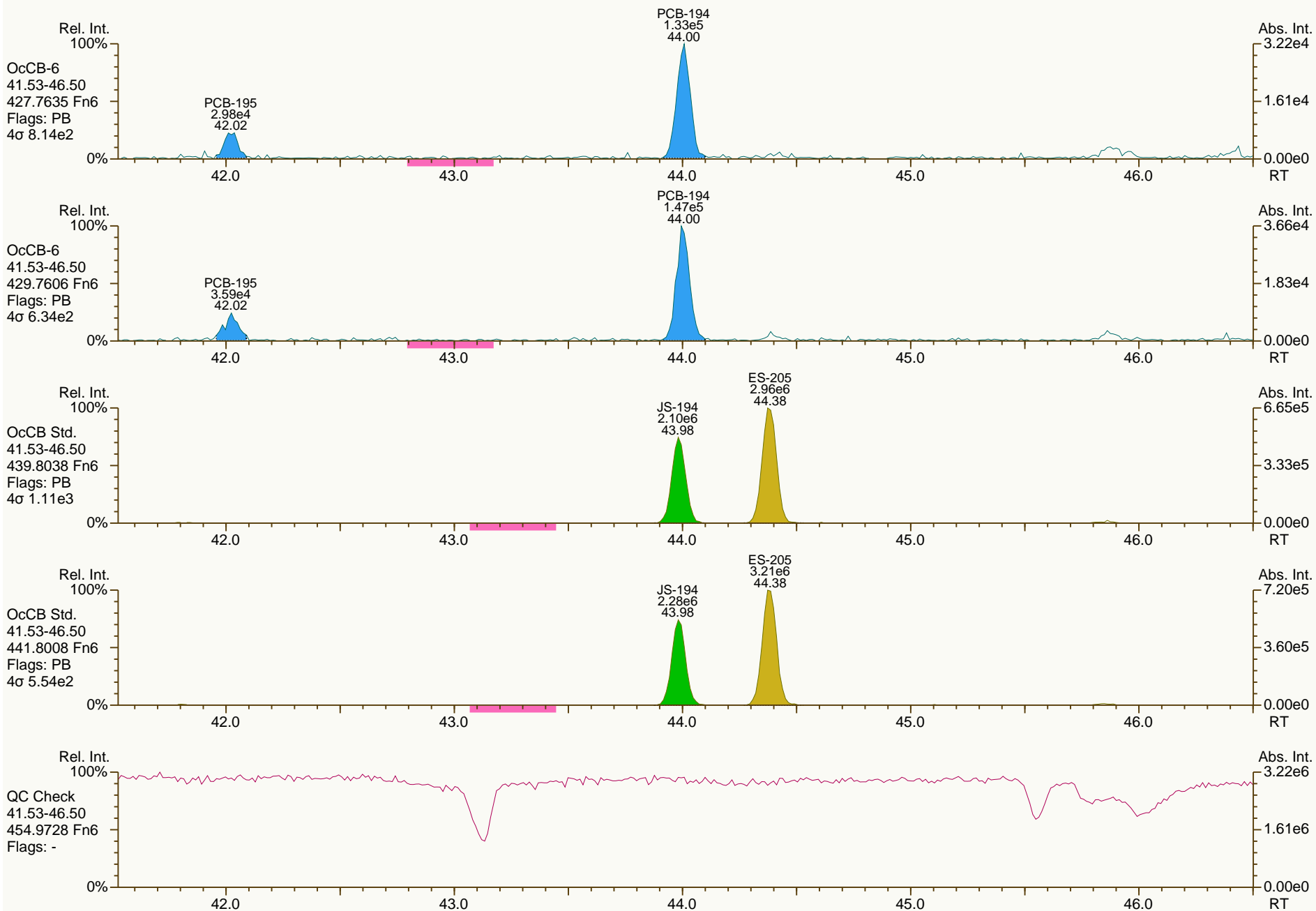
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

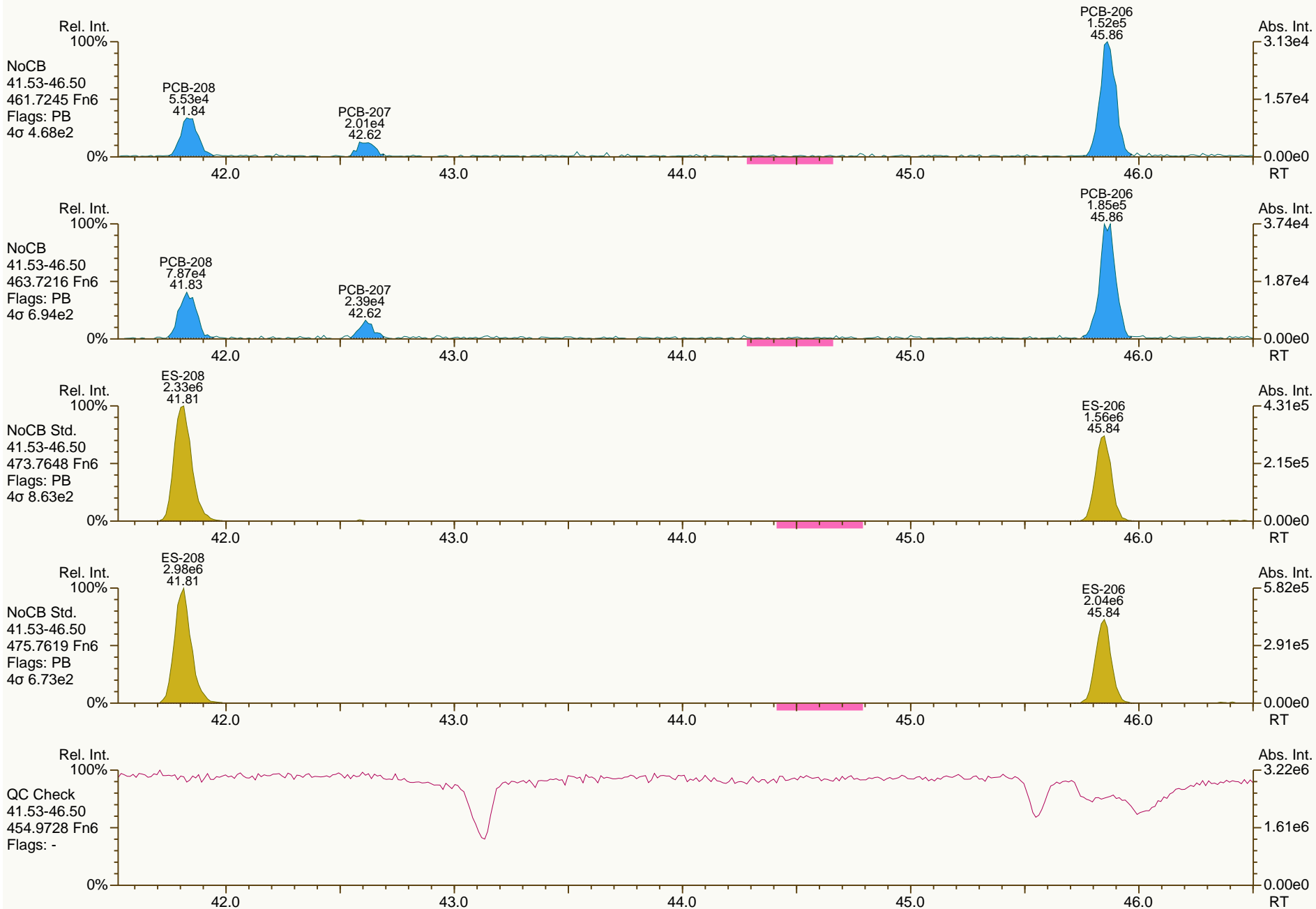
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

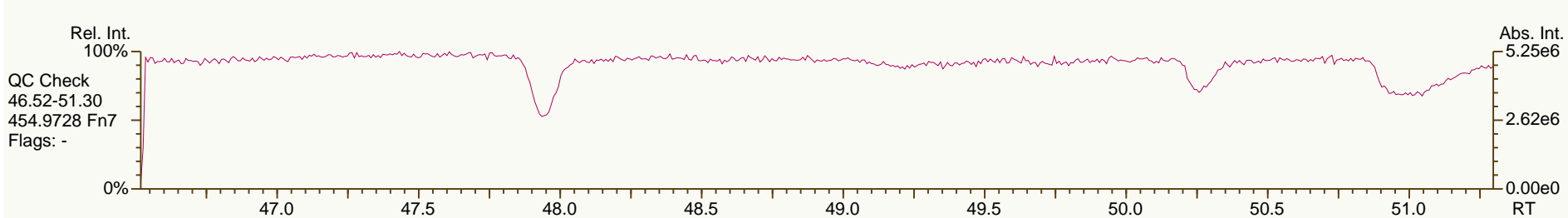
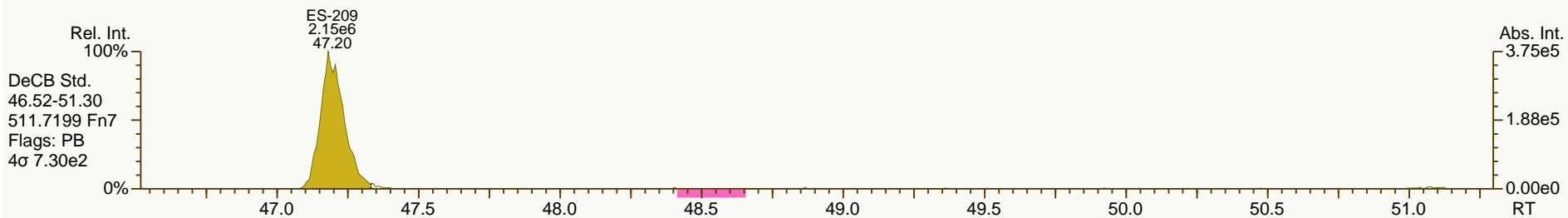
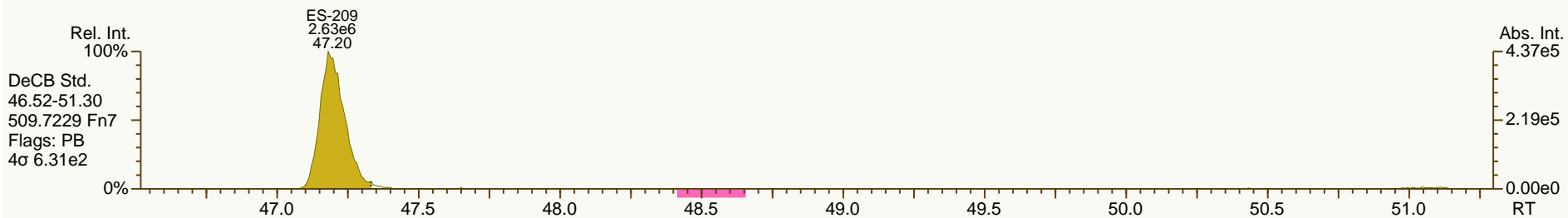
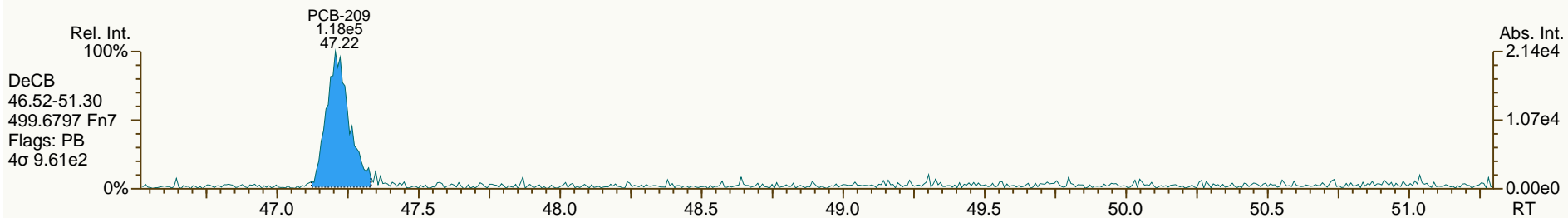
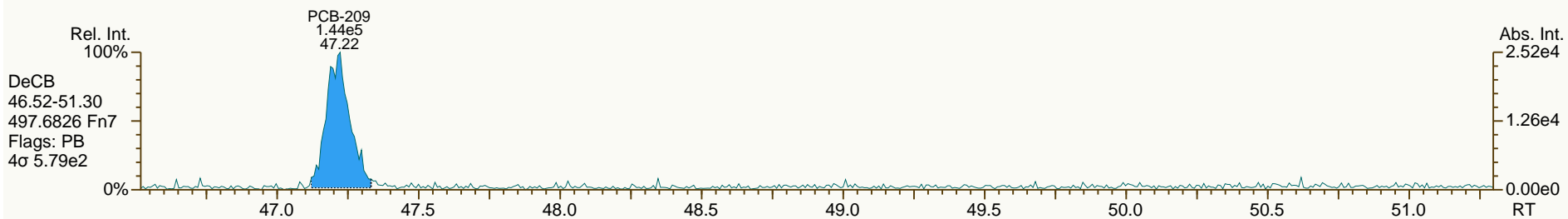
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

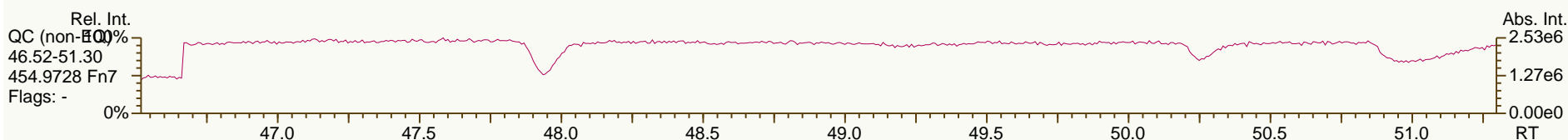
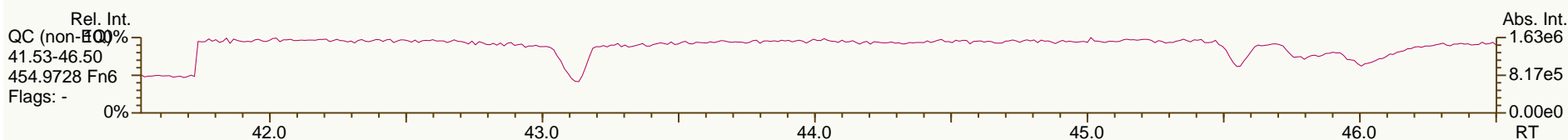
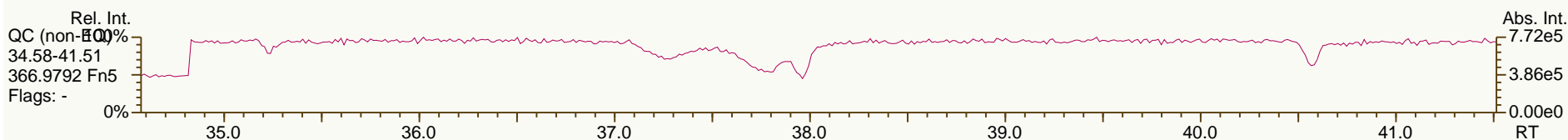
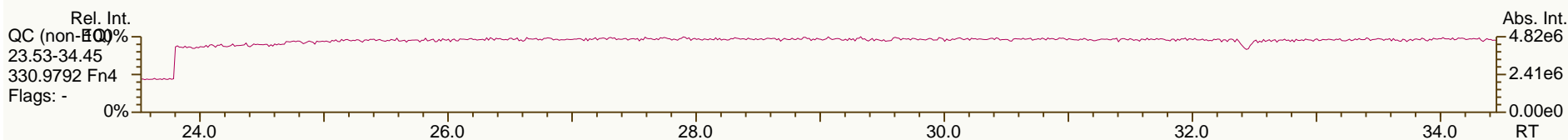
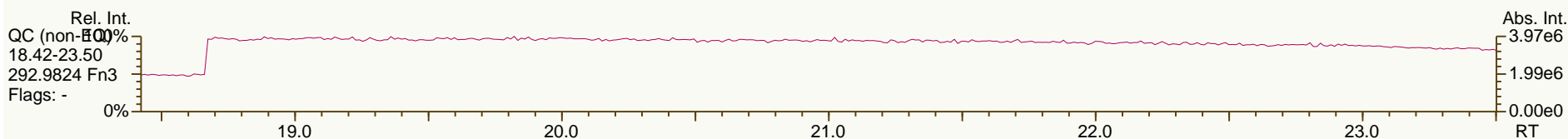
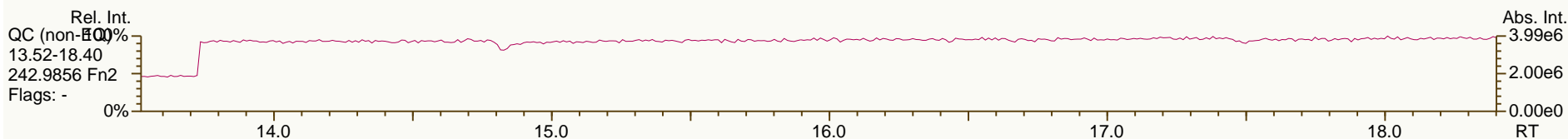
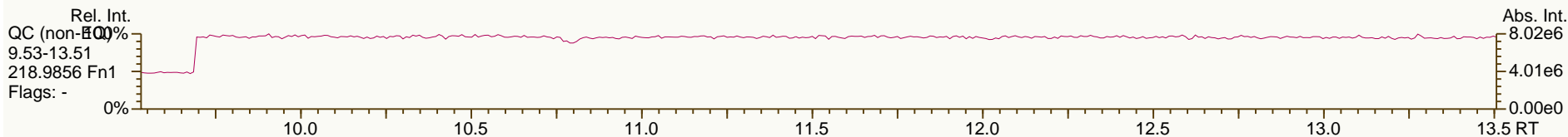
Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



Lab ID: A4371_9893_PCB_005-RJ

ACQ: 05-Jul-2012 21:14:20 LKB

Wt/Vol: 6.59 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120705_PCB_SB

Client ID: JW-EA02-COMP-120507

UTP: 09-Jul-2012 14:48 LKB

J-level: 1.52 pg/g Split: 1

Checkcode: 950-021-YLN

Datafile: 120705S11

RPT: 09-Jul-2012 15:37 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.28		1.0006	1.0006	0	2.84E+05	0.83	1.22	8.16	1.95E+03	0.599
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.95E+03	0.552
PCB-105 233'44'-PeCB	32.22		1.0007	1.0007	0	1.80E+06	0.61	1.03	99.2	1.02E+03	0.562
PCB-114 2344'5'-PeCB	31.69		1.0007	1.0007	0	1.02E+05	0.58	1.10	5.51	1.02E+03	0.553
PCB-118 23'44'5'-PeCB	31.25		1.0008	1.0007	-0.2	4.76E+06	0.62	1.03	253	1.02E+03	0.547
PCB-123 23'44'5'-PeCB	30.97		1.0007	1.0006	-0.2	9.44E+04	0.59	0.93	5.42	1.02E+03	0.577
PCB-126 33'44'5'-PeCB	34.83	J EMPC	1.0005	1.0006	+0.2	3.19E+04	0.78	1.11	1.07	1.36E+03	0.486
PCB-156/157 ...-HxCB	37.35	C	1.0005	1.0003	-0.4	8.14E+05	1.28	1.05	45.9	1.09E+03	0.793
PCB-167 23'44'55'-HxCB	36.41		1.0006	1.0006	0	2.58E+05	1.28	1.08	14.2	1.09E+03	0.618
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.09E+03	0.788
PCB-189 233'44'55'-HpCB	42.22	EMPC	1.0005	1.0004	-0.3	5.98E+04	1.20	1.11	2.23	1.15E+03	0.431
PCB-209 DeCB	47.21		1.0004	1.0003	-0.3	1.16E+05	1.15	1.05	9.42	1.25E+03	1.43
ES PCB-1	9.85		0.7181	0.7174	-0.4	5.84E+06	3.37	1.01	49.6 %	4%	100%
ES PCB-3	11.78		0.8583	0.8582	-0.1	6.03E+06	3.35	1.05	49.3 %	11%	106%
ES PCB-4	11.98		0.8732	0.8729	-0.2	3.25E+06	1.62	0.70	40.1 %	14%	107%
ES PCB-15	17.10		1.2453	1.2456	+0.3	9.84E+06	1.67	1.17	72.3 %	19%	107%
ES PCB-19	14.68		1.0698	1.0697	-0.1	3.47E+06	1.10	0.57	52.7 %	1%	108%
ES PCB-37	23.09		1.0865	1.0872	+1.0	7.93E+06	1.11	1.41	121 %	25%	123%
ES PCB-54	17.32		0.8157	0.8156	-0.1	5.09E+06	0.77	1.32	82.6 %	13%	105%
ES PCB-77	29.26	V	1.3777	1.3777	0	8.63E+06	0.82	1.22	152 %	31%	109%
ES PCB-81	28.79	V	1.3557	1.3557	0	8.75E+06	0.84	1.15	163 %	14%	127%
ES PCB-104	22.04		0.8147	0.8148	+0.1	4.18E+06	1.68	1.69	56.3 %	36%	115%
ES PCB-105	32.20		1.1906	1.1902	-0.8	5.36E+06	1.63	1.21	101 %	50%	111%
ES PCB-114	31.67		1.1709	1.1706	-0.6	5.11E+06	1.57	1.23	94.3 %	41%	121%
ES PCB-118	31.22		1.1547	1.1543	-0.7	5.53E+06	1.67	1.25	101 %	49%	111%
ES PCB-123	30.95		1.1444	1.1441	-0.6	5.71E+06	1.51	1.33	98 %	49%	116%
ES PCB-126	34.81	V	1.2871	1.2868	-0.6	8.17E+06	1.65	1.36	137 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.87		0.7939	0.7941	+0.3	4.81E+06	1.35	1.40	89.2 %	25%	124%
ES PCB-156/157	37.34		1.1035	1.1035	0	1.03E+07	1.26	1.13	118 %	40%	120%
ES PCB-167	36.39		1.0753	1.0753	0	5.10E+06	1.27	1.13	118 %	45%	118%
ES PCB-169	40.08		1.1842	1.1844	+0.5	4.51E+06	1.21	1.14	103 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.67		0.7204	0.7202	-0.4	4.00E+06	1.15	1.34	77.7 %	23%	125%
ES PCB-189	42.20	V	0.9598	0.9597	-0.3	7.34E+06	1.10	1.77	121 %	47%	116%
ES PCB-202	36.18		0.8230	0.8228	-0.4	4.35E+06	0.88	1.27	89.2 %	31%	134%
ES PCB-205	44.37		1.0090	1.0090	0	4.51E+06	0.88	1.25	105 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.84		1.0424	1.0424	0	3.18E+06	0.81	1.07	87 %	38%	122%
ES PCB-208	41.80		0.9508	0.9506	-0.5	3.92E+06	0.80	1.34	85.6 %	31%	126%
ES PCB-209	47.19		1.0732	1.0731	-0.3	3.56E+06	1.17	1.18	87.8 %	43%	115%
CS/SS PCB-28	19.69		0.9269	0.9269	0	8.56E+06	1.12	0.98	110 %	14%	131%
CS/SS PCB-111	29.32		1.0843	1.0840	-0.5	5.75E+06	1.65	0.90	112 %	57%	112%
CS/SS PCB-178	34.24		1.0118	1.0117	-0.2	2.89E+06	1.11	0.65	111 %	57%	125%
CS PCB-28	19.69	V	0.9269	0.9269	0	8.56E+06	1.12	1.39	133 %	14%	131%
CS PCB-111	29.32		1.0843	1.0840	-0.5	5.75E+06	1.65	1.19	110 %	57%	112%
CS PCB-178	34.24		1.0118	1.0117	-0.2	2.89E+06	1.11	0.87	86.7 %	57%	125%
JS PCB-9	13.73					1.16E+07	1.67				
JS PCB-52	21.24					4.65E+06	0.77				
JS PCB-101	27.05					4.40E+06	1.63				
JS PCB-138	33.84					3.84E+06	1.26				
JS PCB-194	43.98					3.42E+06	0.91				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	20	20	0.431		
						Di-CBs	242	242	3.92		
						Tri-CBs	1,510	1,520	1.35		
						Tetra-CBs	1,730	1,730	0.45		
						Penta-CBs	1,770	1,780	0.536		
						Hexa-CBs	1,560	1,560	0.64		
						Hepta-CBs	367	382	0.62		
						Octa-CBs	109	111	0.479		
						Nona-CBs	18.1	22	0.928		
PCB-1 2-MoCB	9.86		1.0011	1.0010	-0.1	1.45E+05	3.10	1.20	6.31	1.81E+03	0.376
PCB-2 3-MoCB	11.64		0.9878	0.9879	+0.1	1.61E+05	2.95	1.39	5.83	1.81E+03	0.394
PCB-3 4-MoCB	11.79		1.0010	1.0010	0	1.75E+05	3.43	1.13	7.82	1.81E+03	0.486
PCB-4 22'-DiCB	12.00		1.0012	1.0012	0	2.07E+05	1.51	0.94	20.5	8.85E+03	5.2
PCB-10 26-DiCB	12.15	J	1.0142	1.0140	-0.1	2.29E+04	SI	1.56	1.37	2.00E+03	0.709
PCB-9 25-DiCB	13.74		1.0011	1.0011	0	9.70E+04	SI	0.93	3.21	3.09E+03	0.847
PCB-7 24-DiCB	13.88		1.0116	1.0116	0	6.53E+04	SI	1.10	1.83	3.09E+03	0.719
PCB-6 23'-DiCB	14.09		1.0261	1.0262	+0.1	3.54E+05	1.63	1.01	10.8	1.04E+04	2.64
PCB-5 23-DiCB	14.35	J	1.0451	1.0452	+0.1	3.69E+04	SI	1.02	1.12	3.09E+03	0.777
PCB-8 24'-DiCB	14.46		1.0533	1.0534	+0.1	1.87E+06	1.56	1.05	55.1	1.04E+04	2.54
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.20	ND	1.04E+04	2.21
PCB-11 33'-DiCB	16.58	B	0.9701	0.9700	-0.1	1.37E+06	1.41	1.04	40.7	1.04E+04	2.57
PCB-13/12 34'/34-DiCB	16.84	C	0.9855	0.9848	-0.7	3.16E+05	1.63	1.03	9.44	1.04E+04	2.58
PCB-15 44'-DiCB	17.11		1.0008	1.0008	0	3.18E+06	1.54	1.01	97.5	1.04E+04	2.65

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.70		1.0011	1.0012	+0.1	1.78E+05	1.09	1.01	15.4	1.90E+03	1.18
PCB-30/18 246/22'5-TrCB	16.32	C	1.1110	1.1114	+0.4	1.89E+06	1.05	1.32	125	1.90E+03	0.902
PCB-17 22'4-TrCB	16.68		1.1357	1.1357	0	1.04E+06	1.06	1.12	80.8	1.90E+03	1.06
PCB-27 23'6-TrCB	16.85		1.1479	1.1479	0	2.64E+05	1.15	1.46	15.8	1.90E+03	0.816
PCB-24 236-TrCB	16.96		1.1558	1.1552	-0.6	5.67E+04	1.07	1.48	3.34	1.90E+03	0.802
PCB-16 22'3-TrCB	17.05		1.1612	1.1613	+0.1	8.27E+05	1.11	0.87	82.8	1.90E+03	1.36
PCB-32 24'6-TrCB	17.51		1.1923	1.1924	+0.1	1.01E+06	1.08	1.56	56.7	1.90E+03	0.765
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.37	ND	4.92E+03	1.34
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	4.92E+03	1.28
PCB-26/29 23'5/245-TrCB	18.99	C	0.8236	0.8222	-1.6	1.76E+06	1.04	1.43	47	4.92E+03	1.28
PCB-25 23'4-TrCB	19.19		0.8315	0.8309	-0.7	9.27E+05	1.02	1.43	24.8	4.92E+03	1.28
PCB-31 24'5-TrCB	19.45		0.8430	0.8424	-0.7	1.09E+07	1.07	1.49	280	4.92E+03	1.23
PCB-28/20 244'/233'-TrCB	19.71	C	0.8542	0.8534	-0.9	1.50E+07	1.08	1.37	418	4.92E+03	1.34
PCB-21/33 234/23'4'-TrCB	19.90	C	0.8612	0.8618	+0.7	3.72E+06	1.06	1.45	98.6	4.92E+03	1.27
PCB-22 234'-TrCB	20.23		0.8766	0.8761	-0.6	4.56E+06	1.06	1.29	135	4.92E+03	1.42
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.38	ND	4.92E+03	1.33
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.43	ND	4.92E+03	1.28
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	4.92E+03	1.43
PCB-35 33'4-TrCB	22.76	EMPC	0.9860	0.9858	-0.3	2.05E+05	1.41	1.26	6.23	4.92E+03	1.45
PCB-37 344'-TrCB	23.11		1.0008	1.0008	0	4.05E+06	1.13	1.20	129	4.92E+03	1.53
PCB-54 22'66'-TeCB	17.35	J	1.0010	1.0014	+0.4	1.29E+04	0.87	0.93	0.827	5.64E+02	0.283
PCB-50/53 22'46/22'56'-TeCB	19.20	C	0.9051	0.9039	-1.4	5.69E+05	0.78	0.64	30.7	7.27E+02	0.398
PCB-45 22'36-TeCB	19.76		0.9304	0.9305	+0.1	6.04E+05	0.81	0.57	36.8	7.27E+02	0.451
PCB-51 22'46'-TeCB	19.84		0.9340	0.9340	0	1.79E+05	0.85	0.64	9.75	7.27E+02	0.402
PCB-46 22'36'-TeCB	20.02		0.9429	0.9428	-0.1	2.26E+05	0.74	0.53	14.8	7.27E+02	0.485
PCB-52 22'55'-TeCB	21.26		1.0010	1.0010	0	4.92E+06	0.78	0.62	277	7.27E+02	0.417
PCB-73 23'5'6-TeCB	21.36	J	1.0069	1.0056	-1.7	1.63E+04	0.72	0.82	0.695	7.27E+02	0.314
PCB-43 22'35-TeCB	21.46		1.0106	1.0104	-0.3	1.77E+05	0.70	0.56	10.9	7.27E+02	0.455
PCB-69/49 23'46/22'45'-TeCB	21.68	C	1.0198	1.0206	+1.0	3.33E+06	0.82	0.77	150	7.27E+02	0.332
PCB-48 22'45-TeCB	21.92		1.0319	1.0320	+0.1	1.07E+06	0.78	0.65	56.6	7.27E+02	0.392
PCB-44/47/65 ...-TeCB	22.10	C	1.0416	1.0408	-1.1	5.15E+06	0.78	0.69	259	7.27E+02	0.371
PCB-59/62/75 ...-TeCB	22.39	C	1.0541	1.0540	-0.1	6.23E+05	0.76	0.87	24.9	7.27E+02	0.295
PCB-42 22'34'-TeCB	22.54		1.0612	1.0615	+0.4	1.30E+06	0.76	0.63	71.9	7.27E+02	0.41
PCB-41 22'34-TeCB	22.86		1.0759	1.0763	+0.5	4.62E+05	0.77	0.55	28.9	7.27E+02	0.463
PCB-71/40 23'4'6/22'33'-TeCB	22.96	C	1.0806	1.0811	+0.7	2.12E+06	0.79	0.67	109	7.27E+02	0.382
PCB-64 234'6-TeCB	23.16		1.0899	1.0905	+0.8	2.88E+06	0.76	0.94	106	7.27E+02	0.273
PCB-72 23'55'-TeCB	23.91		0.8295	0.8306	+1.6	8.47E+04	0.82	1.11	2.64	1.95E+03	0.618
PCB-68 23'45'-TeCB	24.16		0.8379	0.8391	+1.7	5.31E+04	0.86	1.21	1.53	1.95E+03	0.57
PCB-57 233'5-TeCB	24.52		0.8501	0.8514	+1.9	5.29E+04	0.72	1.09	1.69	1.95E+03	0.631
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.10	ND	1.95E+03	0.627
PCB-67 23'45-TeCB	24.86		0.8620	0.8632	+1.8	3.03E+05	0.85	1.14	9.25	1.95E+03	0.604
PCB-63 234'5-TeCB	25.07		0.8697	0.8707	+1.5	2.71E+05	0.74	1.20	7.83	1.95E+03	0.573
PCB-61/70/74/76 ...-TeCB	25.36	C	0.8792	0.8806	+2.1	9.99E+06	0.78	1.14	304	1.95E+03	0.603
PCB-66 23'44'-TeCB	25.61		0.8888	0.8895	+1.1	4.54E+06	0.78	1.06	148	1.95E+03	0.647
PCB-55 233'4-TeCB	25.73		0.8932	0.8937	+0.8	6.97E+04	0.80	1.14	2.13	1.95E+03	0.604

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.15		0.9080	0.9084	+0.6	1.22E+06	0.74	1.06	39.9	1.95E+03	0.647
PCB-60 2344'-TeCB	26.34		0.9144	0.9148	+0.6	5.88E+05	0.77	1.14	17.9	1.95E+03	0.602
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	1.95E+03	0.559
PCB-79 33'45'-TeCB	28.04		0.9718	0.9739	+3.5	9.57E+04	0.84	1.22	2.72	1.95E+03	0.563
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.05	ND	1.95E+03	0.656
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	6.60E+02	0.491
PCB-96 22'366'-PeCB	22.35		1.0141	1.0141	0	4.86E+04	0.67	0.92	3.83	6.60E+02	0.489
PCB-103 22'45'6'-PeCB	24.06	EMPC	0.8883	0.8896	+1.9	3.35E+04	0.51	0.78	2.28	1.02E+03	0.684
PCB-94 22'356'-PeCB	24.23	EMPC	0.8946	0.8958	+1.7	2.12E+04	0.51	0.68	1.66	1.02E+03	0.788
PCB-95 22'35'6'-PeCB	24.60		0.9082	0.9095	+1.9	3.05E+06	0.60	0.70	233	1.02E+03	0.766
PCB-100/93 22'44'6'/22'356'-PeCB	24.80	C	0.9158	0.9169	+1.6	4.62E+04	0.67	0.73	3.37	1.02E+03	0.733
PCB-102 22'456'-PeCB	24.91		0.9198	0.9209	+1.6	1.35E+05	0.57	0.86	8.36	1.02E+03	0.622
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.67	ND	1.02E+03	0.802
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.66	ND	1.02E+03	0.805
PCB-91 22'34'6'-PeCB	25.32		0.9352	0.9361	+1.4	5.62E+05	0.64	0.82	36.4	1.02E+03	0.651
PCB-84 22'33'6'-PeCB	25.49		0.9416	0.9423	+1.1	7.63E+05	0.63	0.63	64	1.02E+03	0.842
PCB-89 22'346'-PeCB	25.89	EMPC	0.9567	0.9570	+0.5	3.07E+04	0.73	0.66	2.48	1.02E+03	0.811
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		0.99	ND	1.02E+03	0.539
PCB-92 22'355'-PeCB	26.58		0.9825	0.9827	+0.3	6.38E+05	0.63	0.70	48.6	1.02E+03	0.765
PCB-113/90/101 ...-PeCB	27.07	C	0.9999	1.0008	+1.5	3.92E+06	0.60	0.82	254	1.02E+03	0.651
PCB-83 22'33'5'-PeCB	27.46		1.0150	1.0150	0	1.76E+05	0.59	0.60	15.7	1.02E+03	0.897
PCB-99 22'44'5'-PeCB	27.56		1.0190	1.0189	-0.2	1.83E+06	0.63	0.72	135	1.02E+03	0.741
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		0.94	ND	1.02E+03	0.566
PCB-108/119/86/97/125...-PeCB	28.01	C	1.0347	1.0355	+1.3	2.59E+06	0.61	0.84	163	1.02E+03	0.633
PCB-117 234'56'-PeCB	28.50		1.0539	1.0537	-0.3	1.05E+05	0.61	0.86	6.5	1.02E+03	0.62
PCB-116/85 23456/22'344'-PeCB	28.58	C	1.0566	1.0564	-0.3	6.29E+05	0.64	0.88	37.9	1.02E+03	0.606
PCB-110 233'4'6'-PeCB	28.71		1.0615	1.0613	-0.3	5.34E+06	0.62	0.87	326	1.02E+03	0.613
PCB-115 2344'6'-PeCB	28.79		1.0644	1.0643	-0.2	1.40E+05	0.57	1.00	7.46	1.02E+03	0.534
PCB-82 22'33'4'-PeCB	28.96		1.0711	1.0706	-0.9	3.34E+05	0.66	0.62	28.5	1.02E+03	0.857
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		0.99	ND	1.02E+03	0.537
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		0.98	ND	1.02E+03	0.544
PCB-107/124 ...-PeCB	30.68	C	0.9909	0.9912	+0.6	1.89E+05	0.65	0.92	10.9	1.02E+03	0.578
PCB-109 233'46'-PeCB	30.87		0.9976	0.9976	0	3.36E+05	0.60	0.90	19.7	1.02E+03	0.59
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.92	ND	1.02E+03	0.579
PCB-122 233'4'5'-PeCB	31.52		1.0095	1.0096	+0.2	5.60E+04	0.62	0.94	3.52	1.02E+03	0.643
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.99	ND	1.02E+03	0.584
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	6.33E+02	0.36
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	6.33E+02	0.383
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.01	ND	6.33E+02	0.378
PCB-136 22'33'66'-HxCB	27.45		1.0216	1.0216	0	5.28E+05	1.30	0.92	36.4	6.33E+02	0.415
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	6.33E+02	0.399
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.73	ND	6.33E+02	0.518
PCB-151/135 ...-HxCB	29.51	C	1.0986	1.0982	-0.7	1.03E+06	1.30	0.72	90.8	6.33E+02	0.531
PCB-154 22'44'56'-HxCB	29.73		1.1067	1.1063	-0.7	5.96E+04	1.19	0.81	4.67	6.33E+02	0.471
PCB-144 22'345'6'-HxCB	29.98		1.1158	1.1155	-0.5	1.41E+05	1.35	0.74	12.1	6.33E+02	0.516

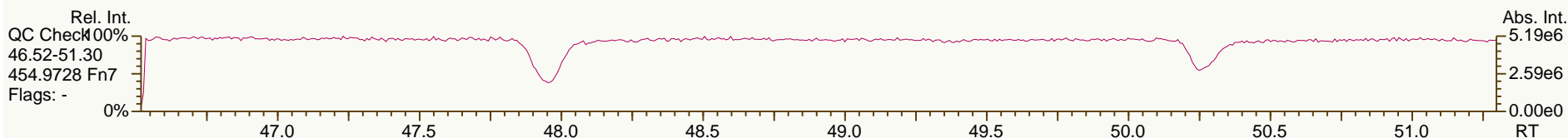
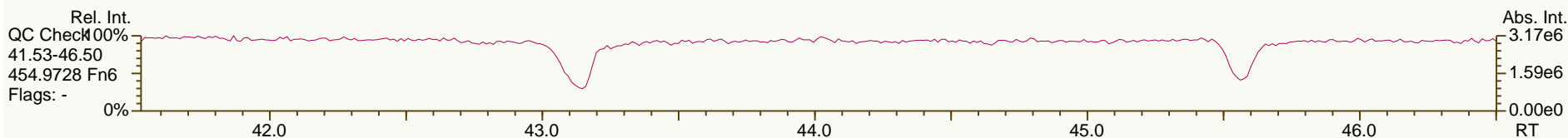
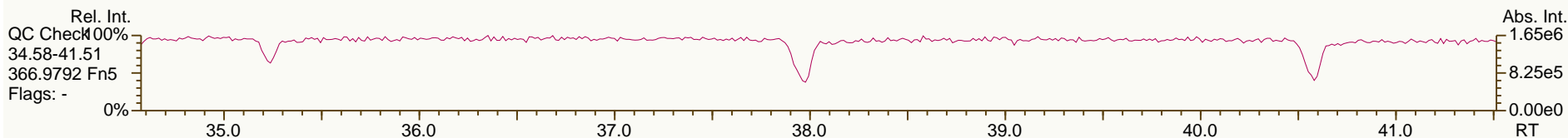
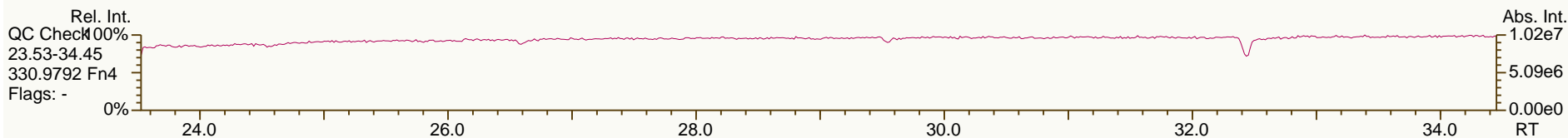
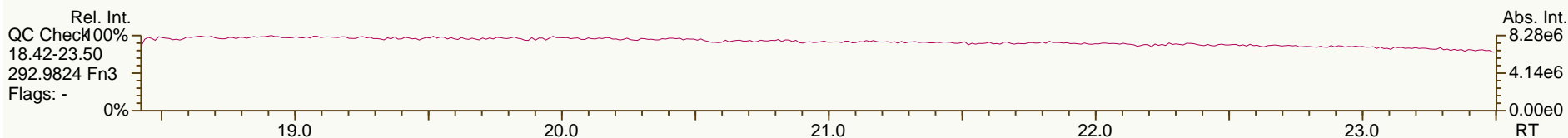
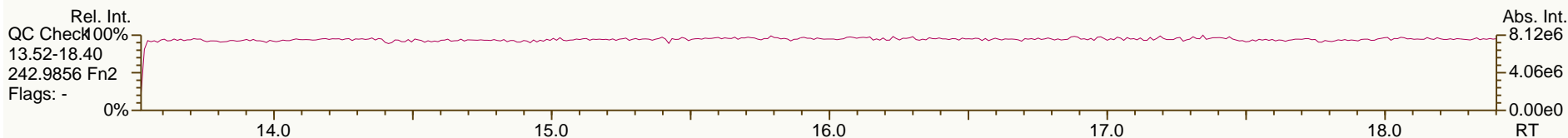
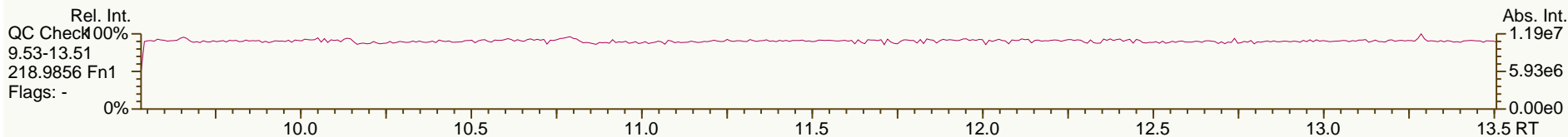
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.27	C	1.1269	1.1264	-0.9	2.77E+06	1.28	0.75	234	6.33E+02	0.507
PCB-134 22'33'56"-HxCB	30.43		1.1326	1.1324	-0.4	2.09E+05	1.40	0.59	22.2	6.33E+02	0.64
PCB-143 22'3456"-HxCB	NotFnd		1.1356	-		0.00E+00		0.72	ND	6.33E+02	0.531
PCB-139/140 ...-HxCB	30.78	C	1.1458	1.1453	-0.9	8.95E+04	1.23	0.77	7.34	6.33E+02	0.493
PCB-131 22'33'46"-HxCB	30.93	EMPC	1.1516	1.1512	-0.7	5.47E+04	0.98	0.65	5.29	6.33E+02	0.582
PCB-142 22'3456"-HxCB	NotFnd		1.1564	-		0.00E+00		0.68	ND	6.33E+02	0.556
PCB-132 22'33'46"-HxCB	31.31		1.1655	1.1651	-0.8	1.23E+06	1.21	0.67	117	6.33E+02	0.57
PCB-133 22'33'55"-HxCB	31.77		1.1826	1.1823	-0.6	6.39E+04	1.11	0.69	5.87	6.33E+02	0.553
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.85	ND	6.33E+02	0.447
PCB-146 22'34'55"-HxCB	32.31		0.9550	0.9550	0	6.73E+05	1.25	0.76	56.1	6.33E+02	0.501
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.93	ND	6.33E+02	0.41
PCB-153/168 ...-HxCB	32.83	C	0.9709	0.9702	-1.4	3.95E+06	1.27	0.89	281	6.33E+02	0.427
PCB-141 22'3455"-HxCB	32.98		0.9746	0.9746	0	5.93E+05	1.22	0.73	51.3	6.33E+02	0.52
PCB-130 22'33'45"-HxCB	33.32		0.9847	0.9847	0	2.77E+05	1.42	0.63	27.7	6.33E+02	0.602
PCB-137 22'344'5"-HxCB	33.52		0.9904	0.9905	+0.2	2.45E+05	1.18	0.81	19	6.33E+02	0.468
PCB-164 233'4'5'6"-HxCB	33.60		0.9930	0.9930	0	3.38E+05	1.14	0.89	23.9	6.33E+02	0.425
PCB-163/138/129 ...-HxCB	33.86	C	1.0012	1.0008	-0.8	5.07E+06	1.24	0.78	408	6.33E+02	0.484
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.87	ND	6.33E+02	0.436
PCB-158 233'44'6"-HxCB	34.19		1.0106	1.0105	-0.2	6.10E+05	1.21	1.00	38.4	6.33E+02	0.379
PCB-128/166 ...-HxCB	34.91	C	0.9593	0.9594	+0.2	9.83E+05	1.21	0.97	60.2	1.09E+03	0.687
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.08	ND	1.09E+03	0.616
PCB-162 233'4'55"-HxCB	36.01	J	0.9896	0.9896	0	2.45E+04	1.39	1.14	1.28	1.09E+03	0.585
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	4.17E+02	0.289
PCB-179 22'33'566"-HpCB	31.95		1.0089	1.0089	0	2.95E+05	1.18	1.06	21.1	4.17E+02	0.29
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.04	ND	4.17E+02	0.297
PCB-176 22'33'466"-HpCB	32.70		1.0324	1.0324	0	8.09E+04	0.94	1.13	5.41	4.17E+02	0.272
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.10	ND	4.17E+02	0.281
PCB-178 22'33'55'6"-HpCB	34.26	EMPC	1.0816	1.0816	0	1.03E+05	1.25	0.78	9.97	4.17E+02	0.395
PCB-175 22'33'45'6"-HpCB	34.79		1.0985	1.0986	+0.2	3.08E+04	1.15	0.86	2.71	1.05E+03	0.898
PCB-187 22'34'55'6"-HpCB	35.02		1.1057	1.1058	+0.2	8.69E+05	1.02	0.89	73.9	1.05E+03	0.87
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.92	ND	1.05E+03	0.844
PCB-183 22'344'5'6"-HpCB	35.54		1.1219	1.1221	+0.4	3.92E+05	0.98	0.92	32.2	1.05E+03	0.841
PCB-185 22'3455'6"-HpCB	35.61	EMPC	1.1241	1.1245	+0.9	3.17E+04	1.27	0.88	2.72	1.05E+03	0.879
PCB-174 22'33'456"-HpCB	35.72		1.1276	1.1277	+0.2	5.08E+05	1.04	0.78	49.6	1.05E+03	0.999
PCB-177 22'33'45'6"-HpCB	36.08		1.1393	1.1393	0	3.78E+05	1.12	0.74	38.7	1.05E+03	1.05
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.85	ND	1.05E+03	0.917
PCB-171/173 ...-HpCB	36.61	C	1.1556	1.1560	+0.9	1.90E+05	1.15	0.77	18.8	1.05E+03	1.01
PCB-172 22'33'455"-HpCB	38.00		0.9003	0.9004	+0.2	7.08E+04	1.07	0.51	5.75	1.05E+03	0.863
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.66	ND	1.05E+03	0.667
PCB-180/193 ...-HpCB	38.54	C	0.9127	0.9133	+1.4	1.44E+06	1.05	0.84	70.6	1.05E+03	0.521
PCB-191 233'44'5'6"-HpCB	38.84		0.9203	0.9203	0	3.33E+04	1.20	0.67	2.05	1.05E+03	0.652
PCB-170 22'33'44'5"-HpCB	39.59		0.9380	0.9379	-0.2	6.13E+05	1.11	0.70	36.4	1.05E+03	0.63
PCB-190 233'44'56"-HpCB	40.03		0.9486	0.9486	0	1.53E+05	0.99	0.66	9.58	1.05E+03	0.663
PCB-202 22'33'55'66"-OoCB	36.20		1.0006	1.0005	-0.2	9.02E+04	0.90	0.83	7.61	4.81E+02	0.478
PCB-201 22'33'45'66"-OoCB	36.98		1.0221	1.0221	0	4.87E+04	0.78	0.94	3.62	4.81E+02	0.422

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	4.81E+02	0.437
PCB-197 22'33'44'66'-OcCB	37.74	J	1.0431	1.0430	-0.2	9.69E+03	0.83	1.00	0.673	4.81E+02	0.394
PCB-200 22'33'4566'-OcCB	37.81	EMPC	1.0451	1.0449	-0.5	2.84E+04	0.68	0.88	2.26	4.81E+02	0.451
PCB-198/199 ...-OcCB	40.20	C	1.1102	1.1109	+1.7	2.73E+05	0.82	0.58	32.6	4.81E+02	0.677
PCB-196 22'33'44'56'-OcCB	40.75		1.1260	1.1261	+0.2	1.14E+05	0.85	0.60	13.3	4.81E+02	0.66
PCB-203 22'344'55'6-OcCB	40.91		1.1306	1.1307	+0.2	1.77E+05	0.90	0.63	19.5	4.81E+02	0.624
PCB-195 22'33'44'56-OcCB	42.01		0.9469	0.9467	-0.5	9.70E+04	0.79	0.74	8.87	6.89E+02	0.713
PCB-194 22'33'44'55'-OcCB	44.00		0.9915	0.9915	0	2.68E+05	0.92	0.82	21.9	6.89E+02	0.636
PCB-205 233'44'55'6-OcCB	44.40	J	1.0004	1.0005	+0.3	1.65E+04	1.00	1.09	1.02	6.89E+02	0.48
PCB-208 22'33'455'66'-NoCB	41.82	EMPC	1.0005	1.0005	0	4.90E+04	0.93	0.98	3.88	8.32E+02	0.825
PCB-207 22'33'44'566'-NoCB	42.60		1.0192	1.0191	-0.3	2.38E+04	0.81	1.01	1.83	8.32E+02	0.8
PCB-206 22'33'44'55'6-NoCB	45.86		1.0004	1.0004	0	1.59E+05	0.74	0.93	16.3	8.32E+02	1.03

AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

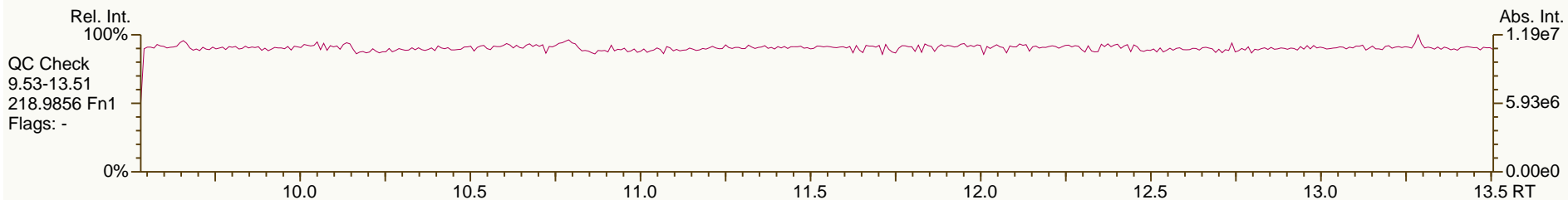
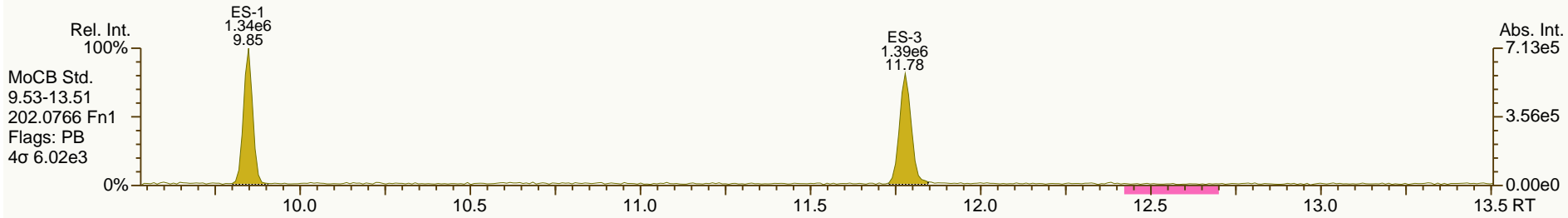
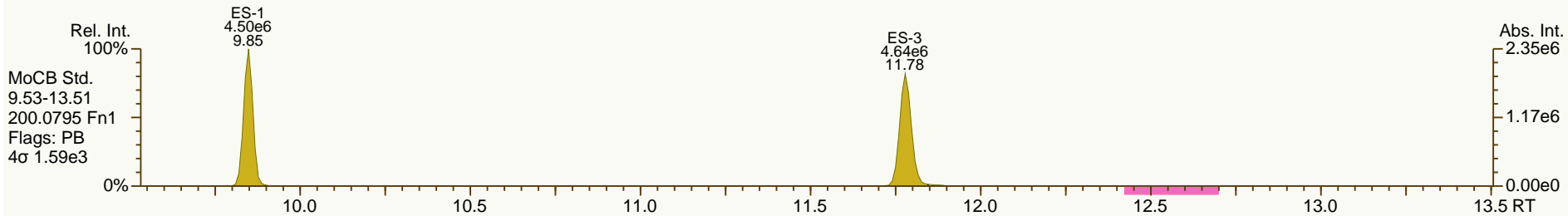
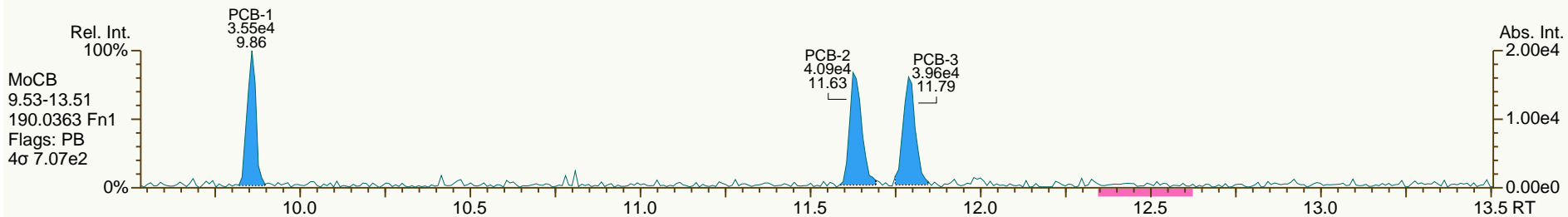
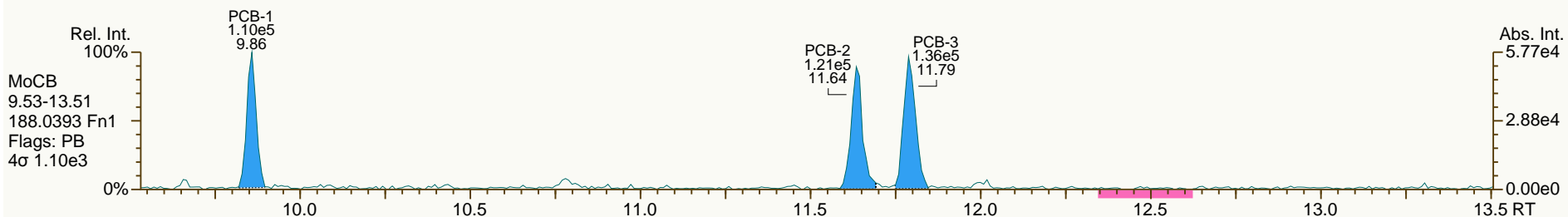
Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

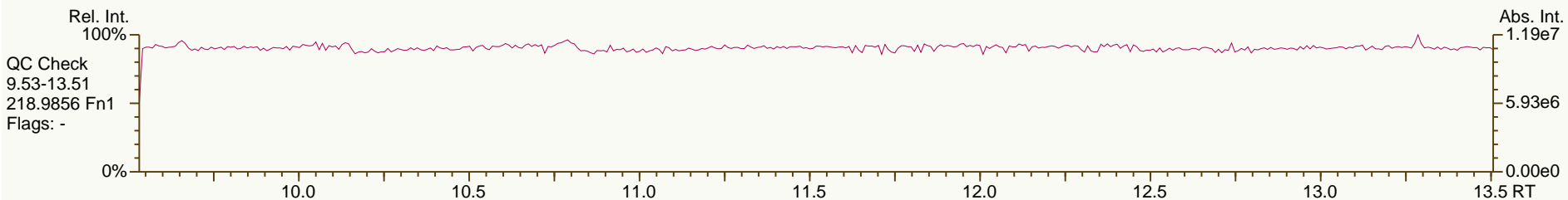
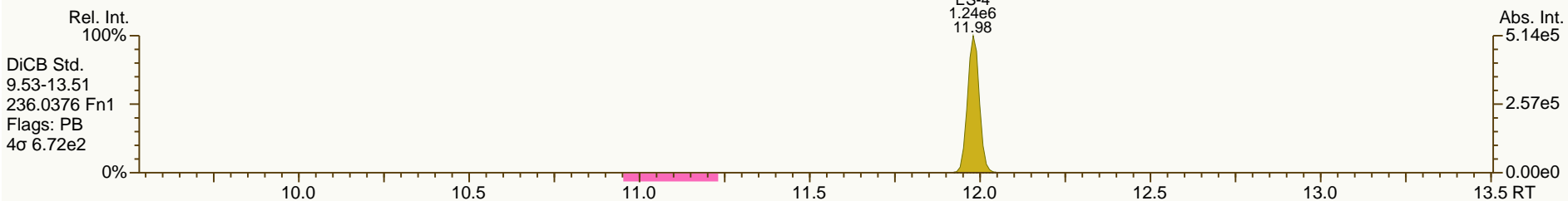
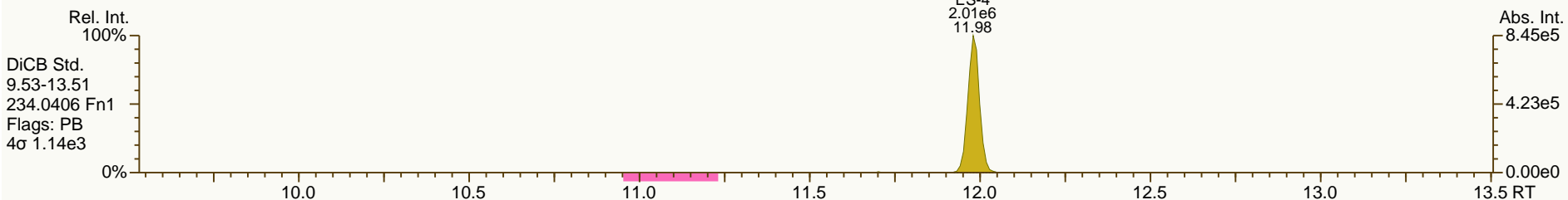
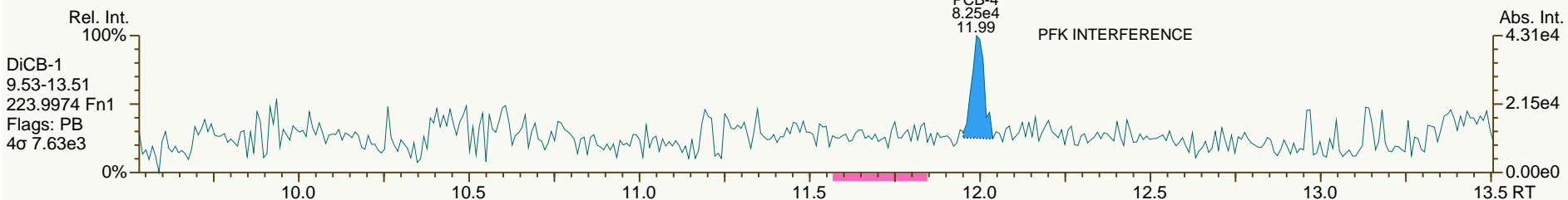
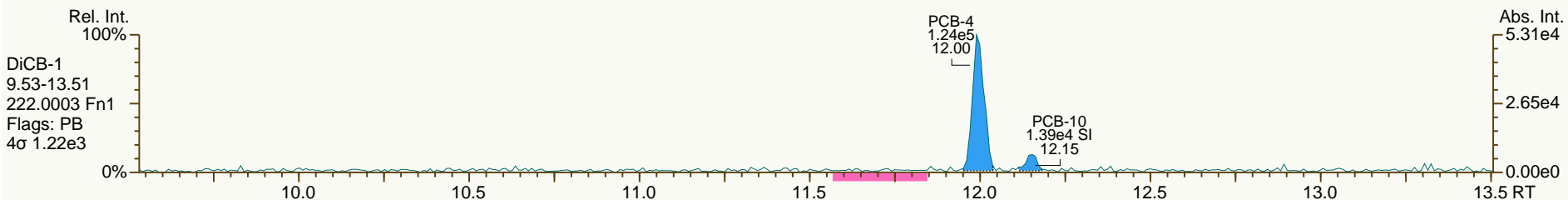
Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

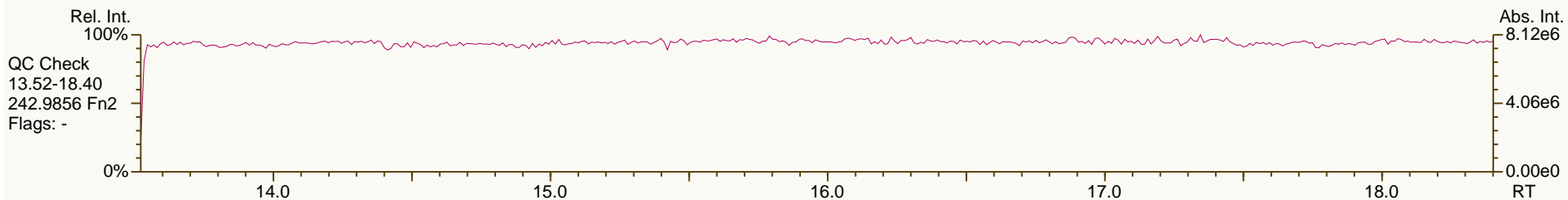
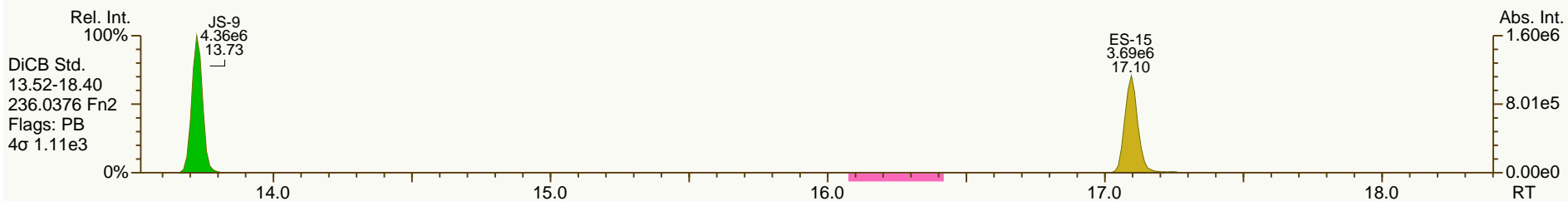
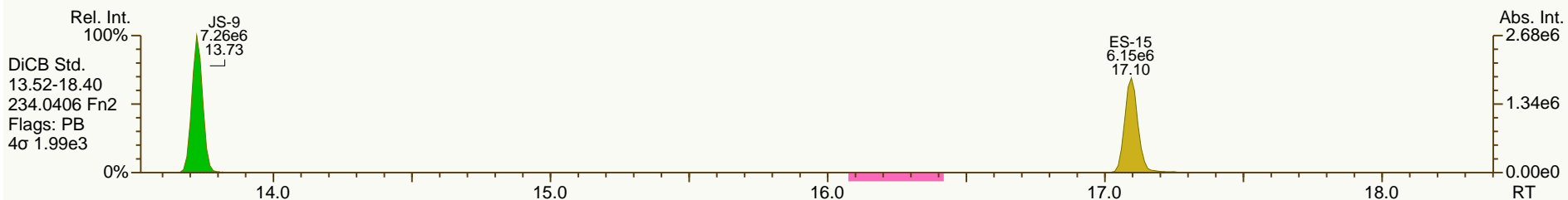
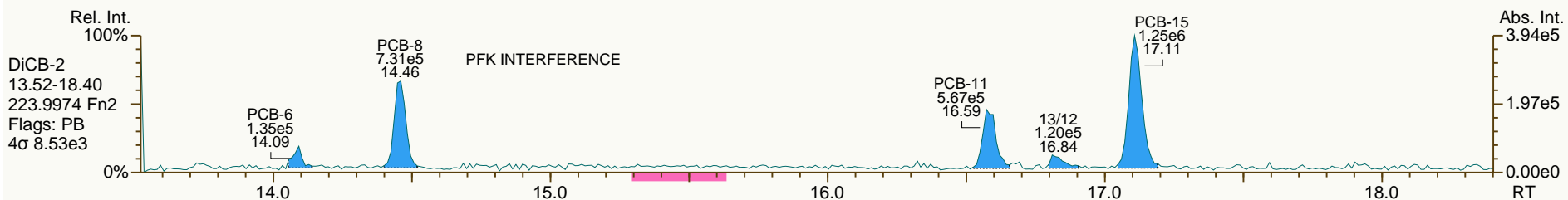
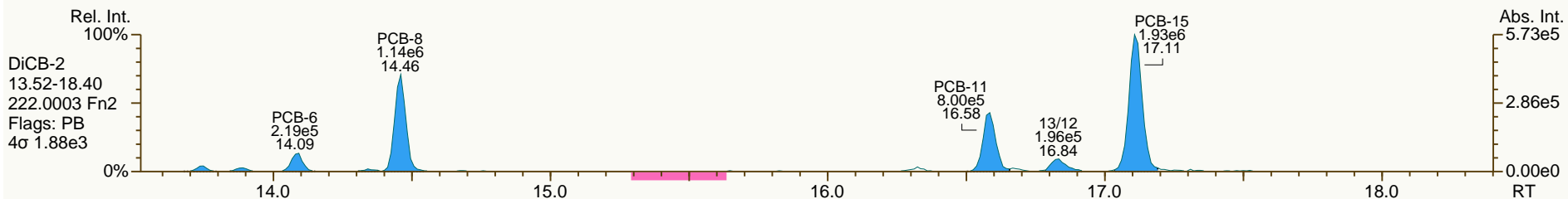
Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

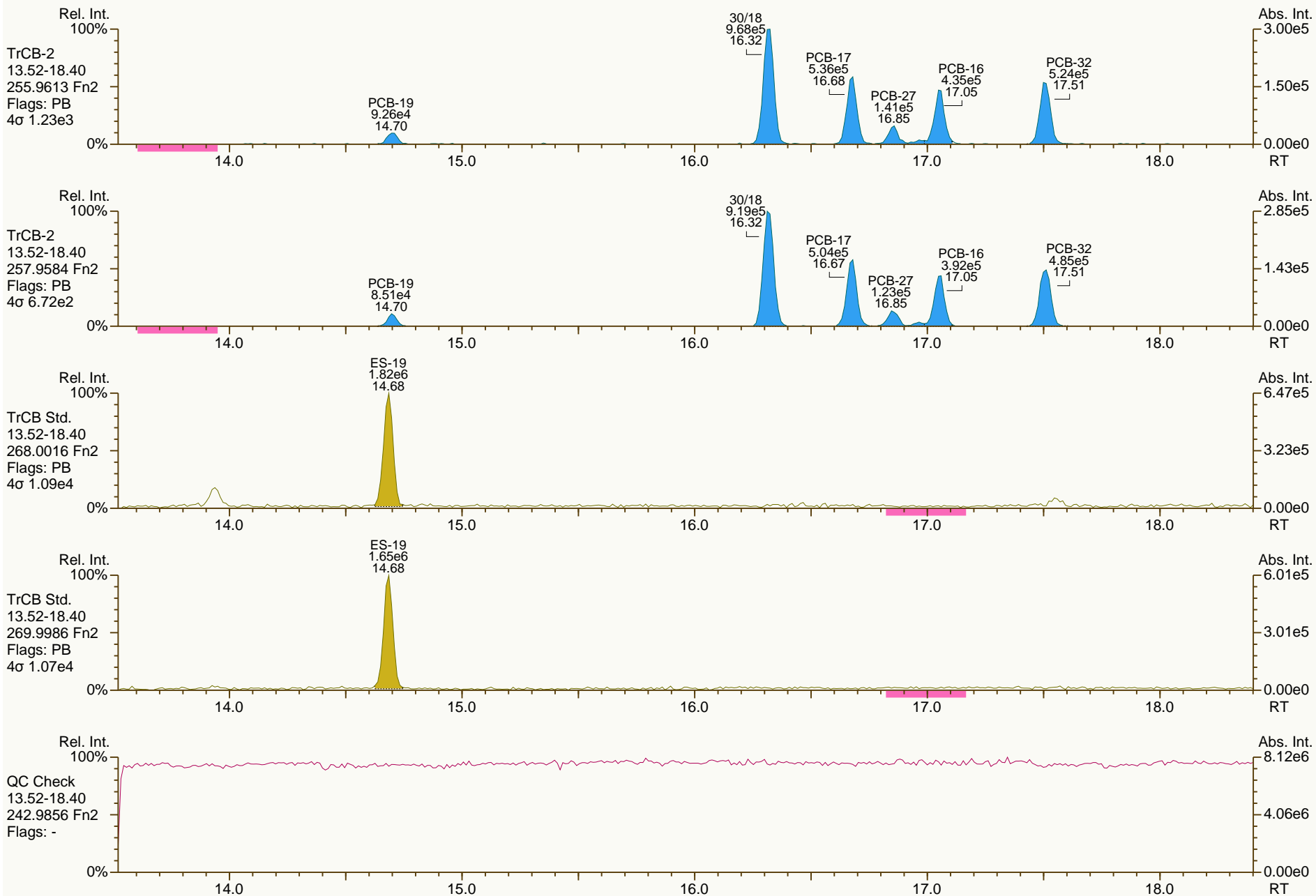
Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

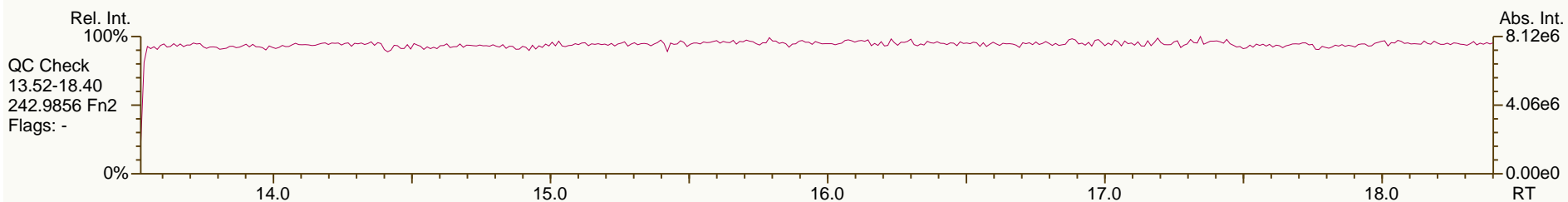
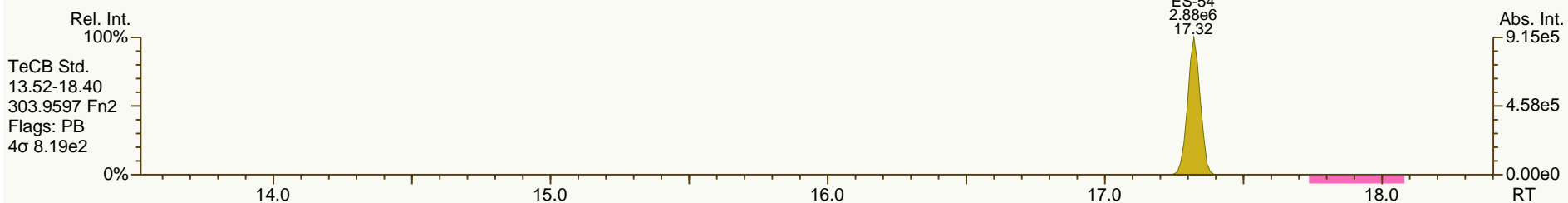
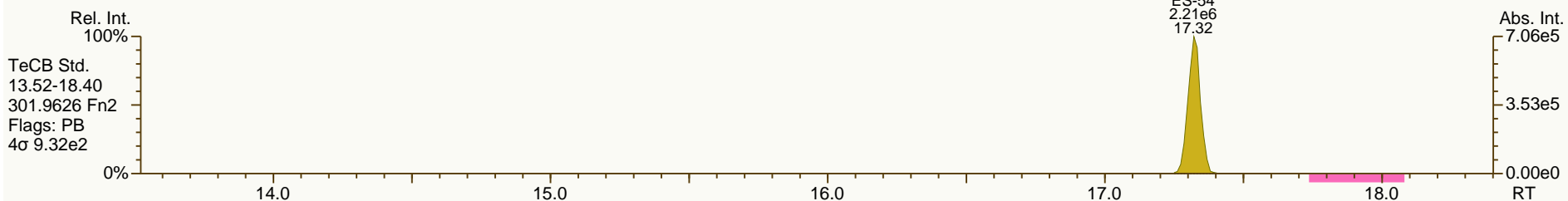
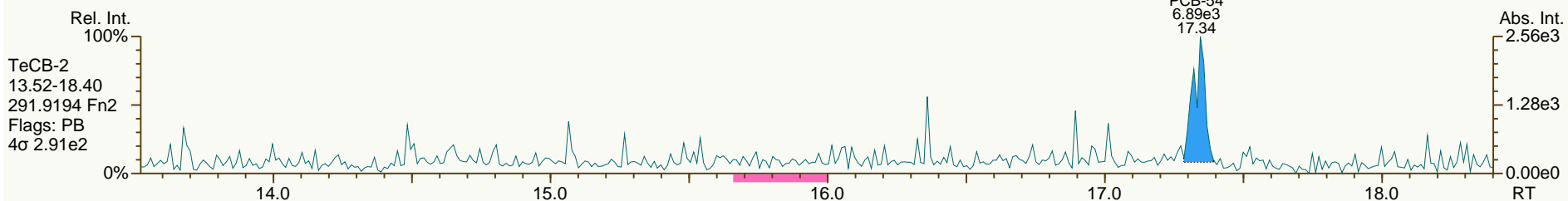
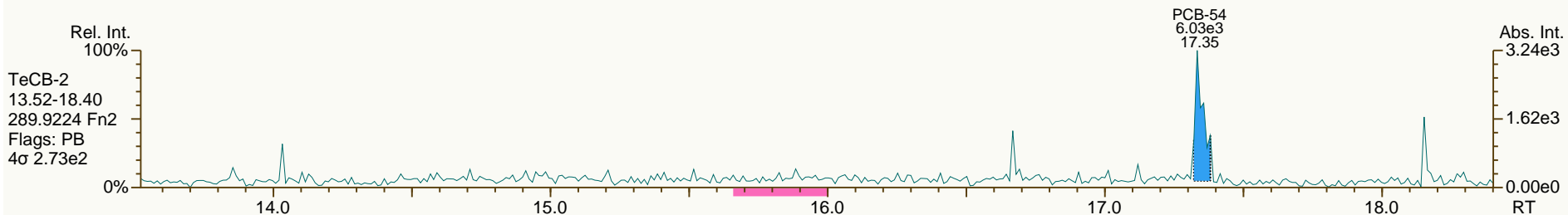
Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

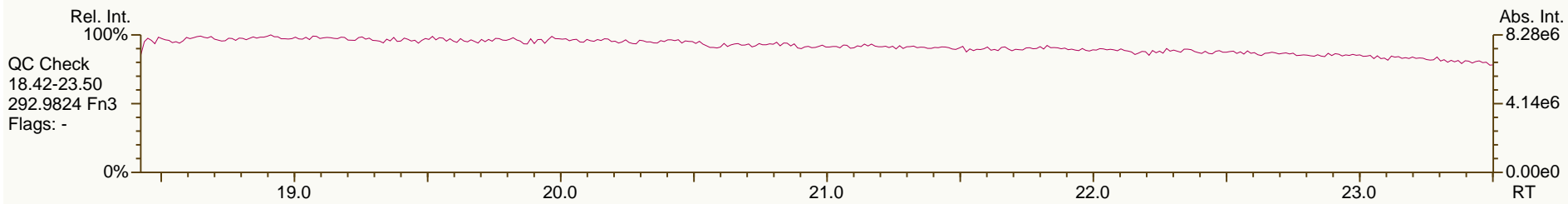
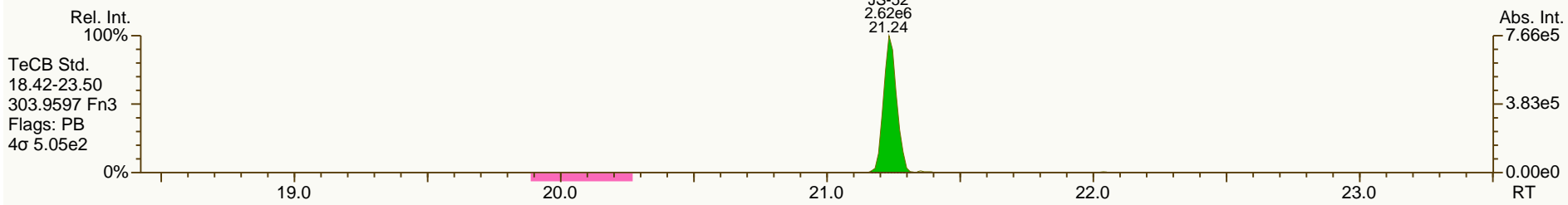
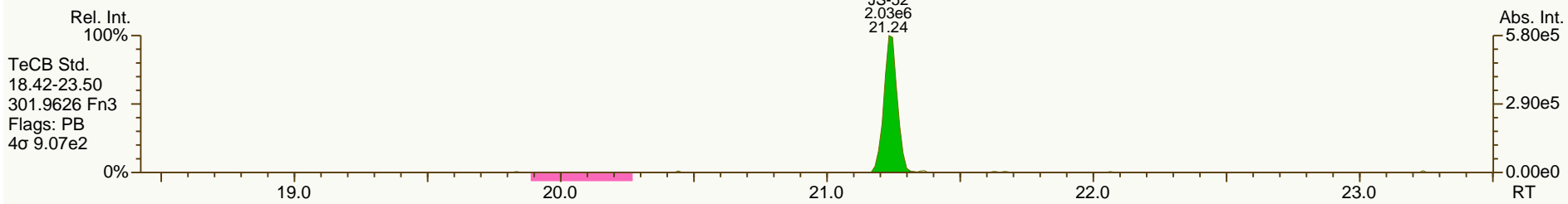
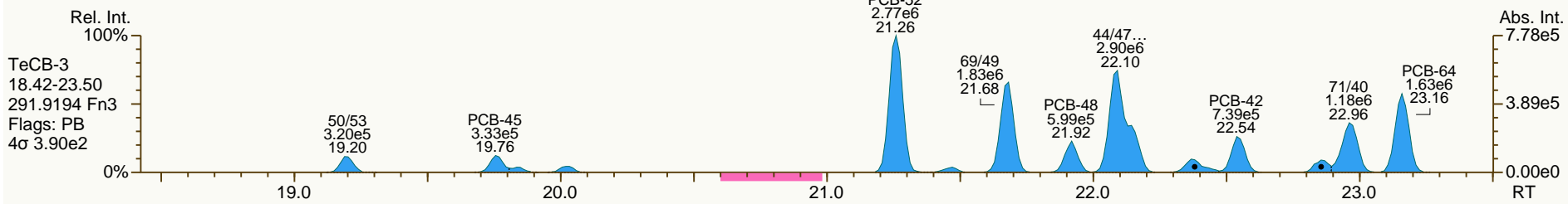
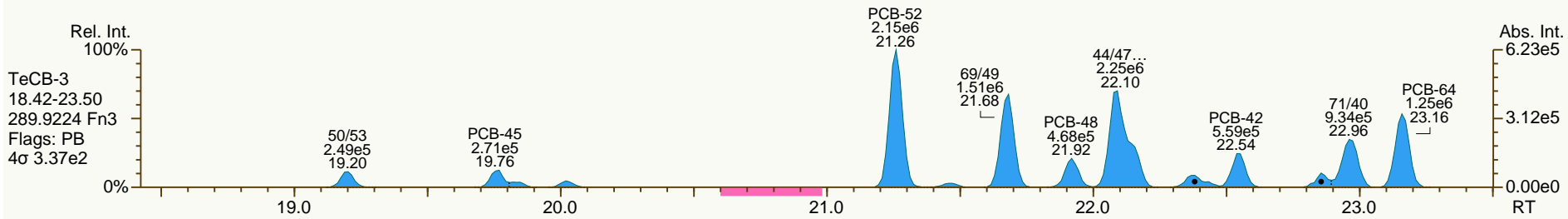
Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

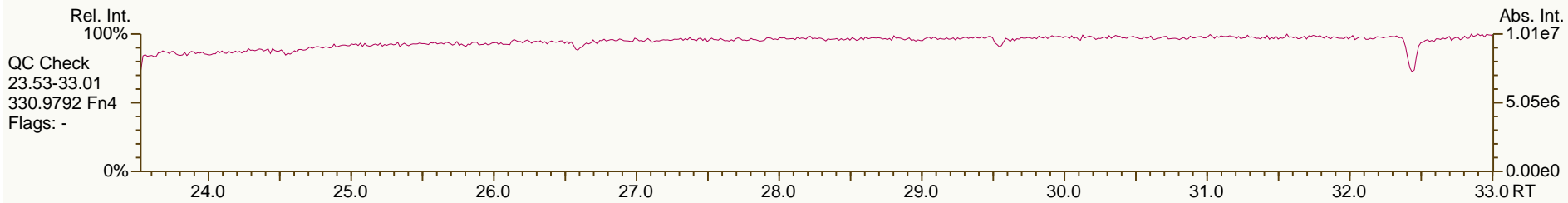
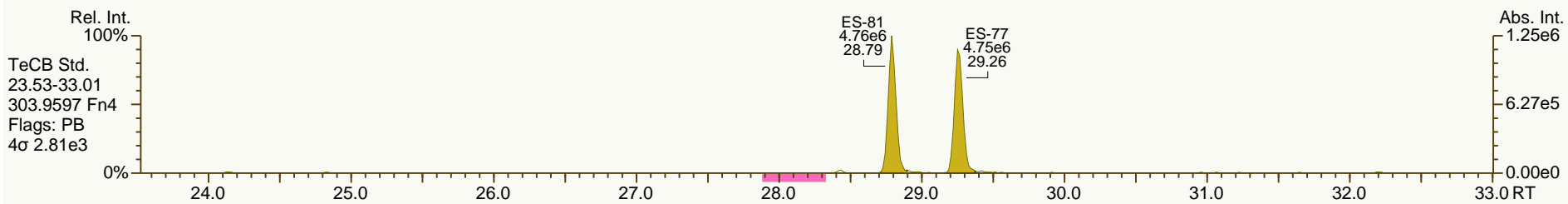
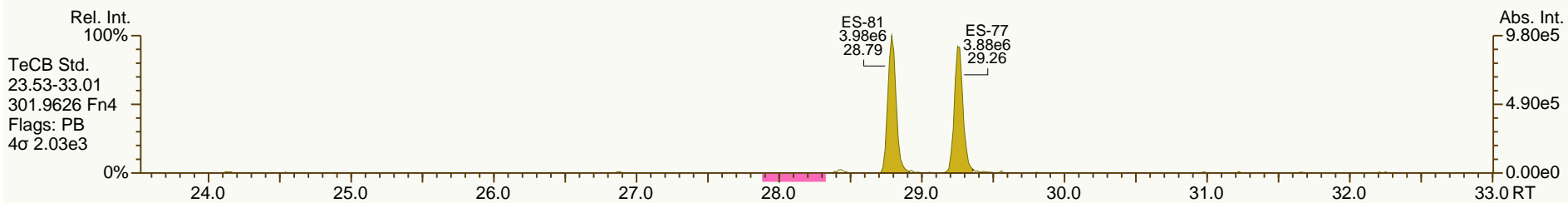
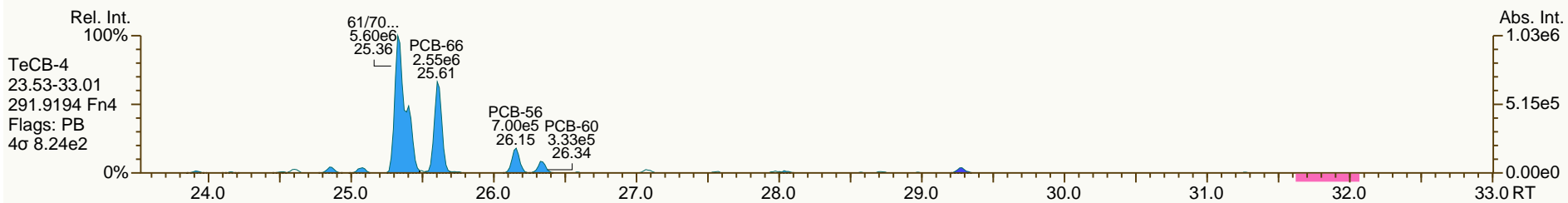
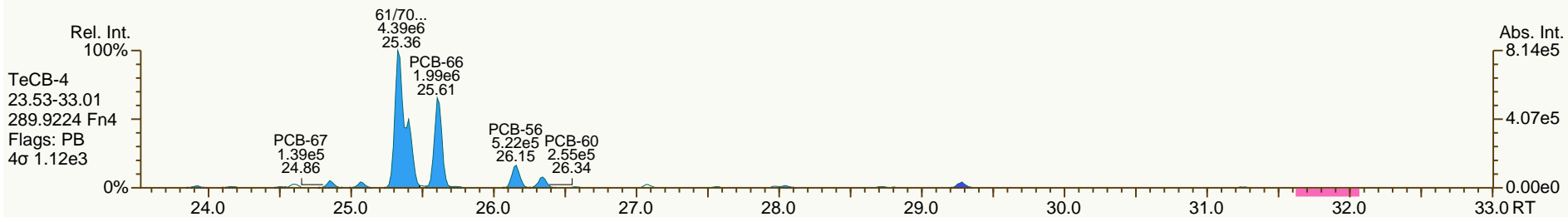
Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

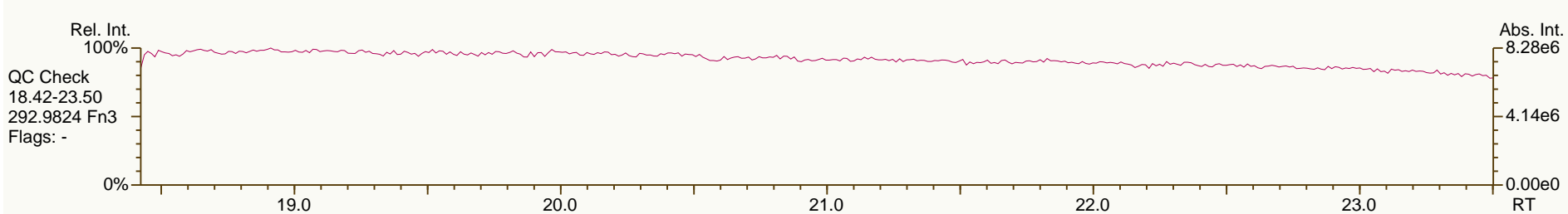
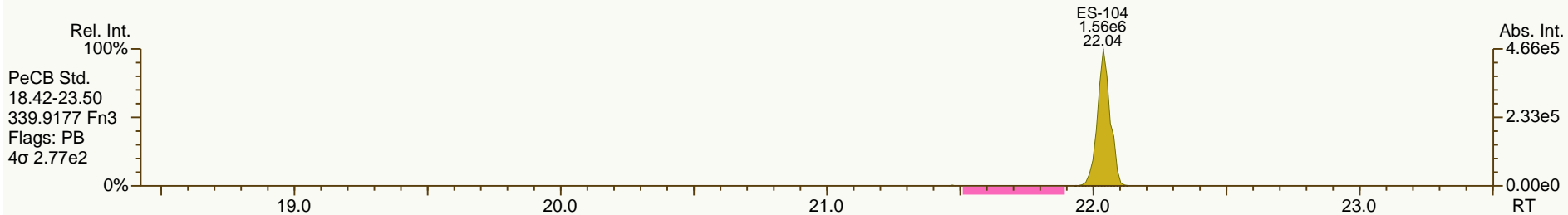
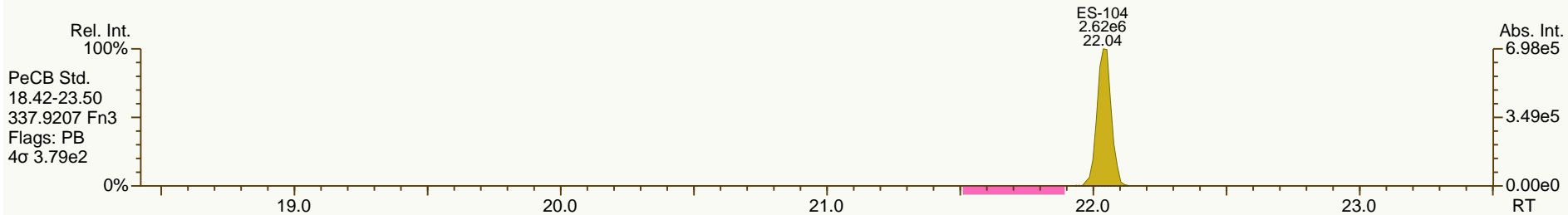
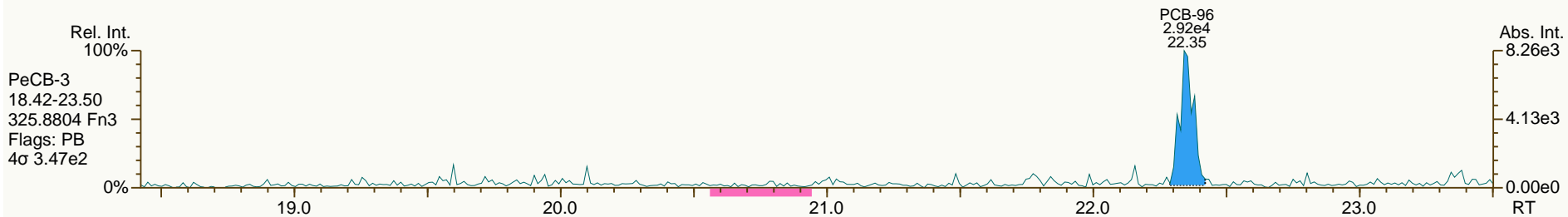
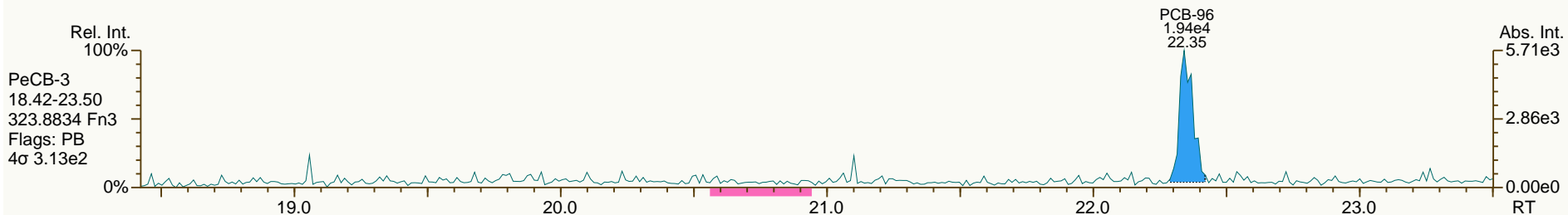
Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

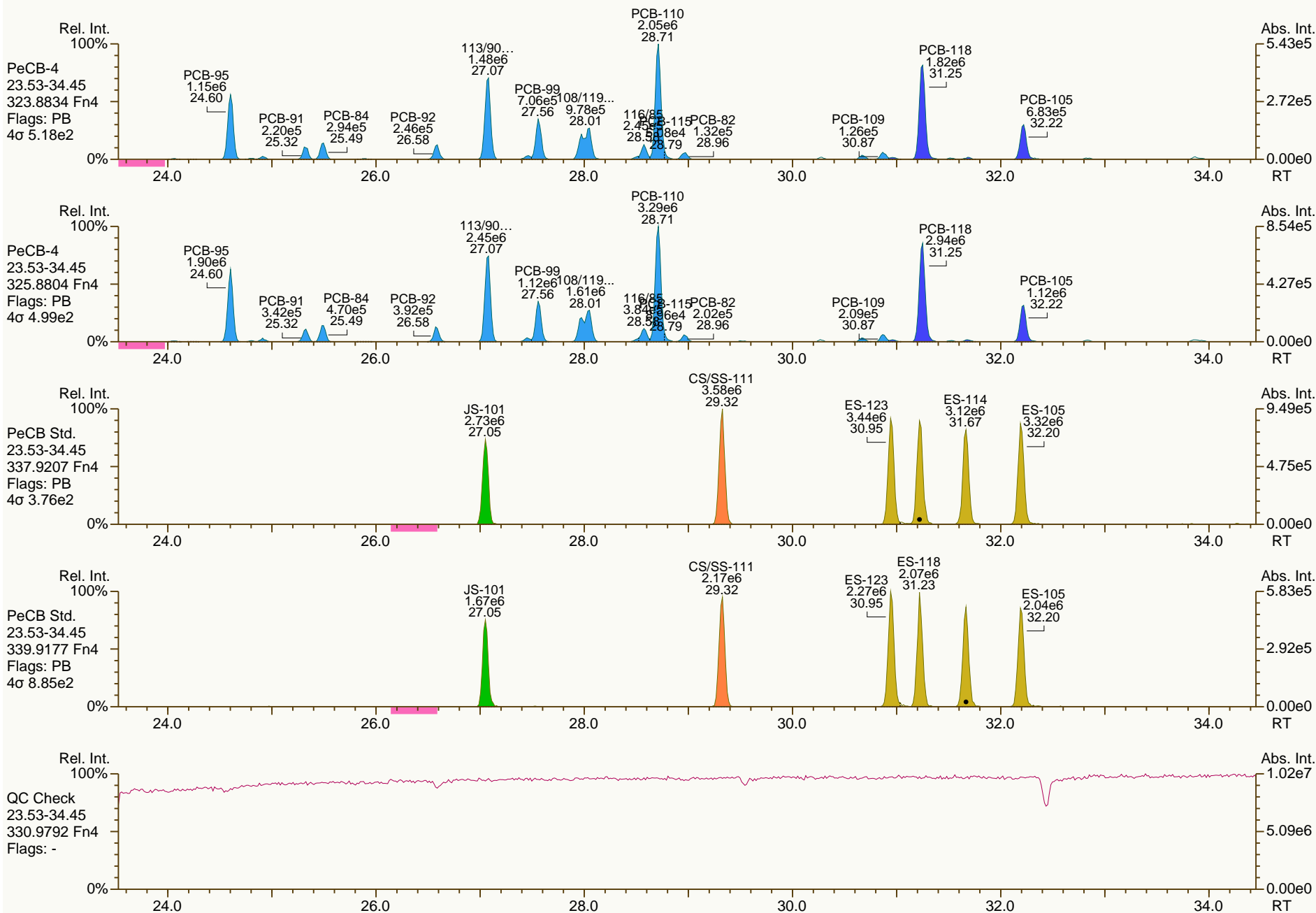
Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

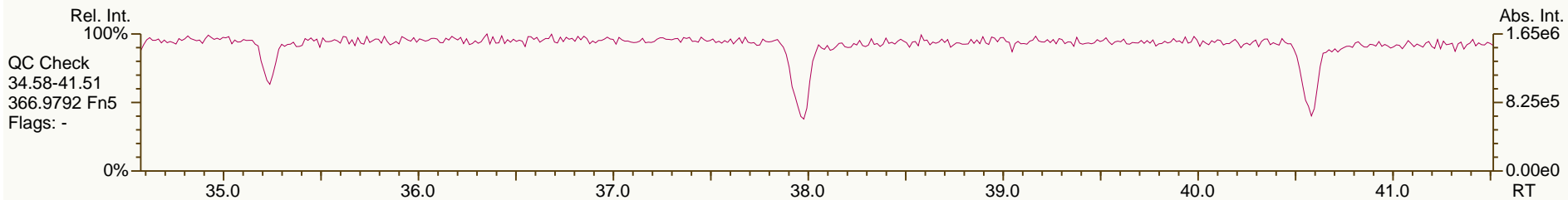
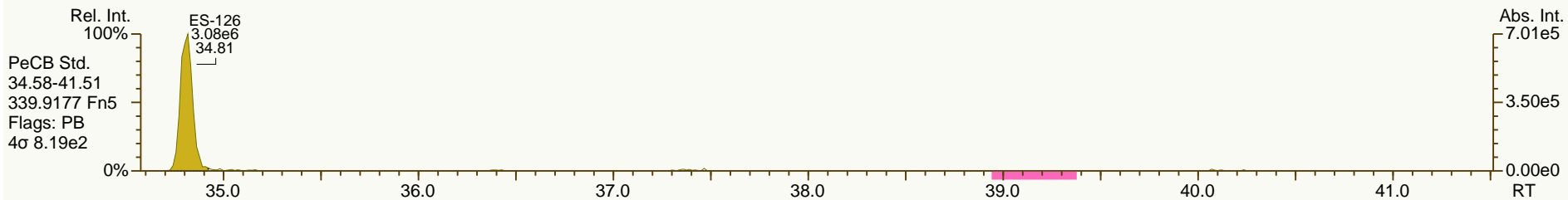
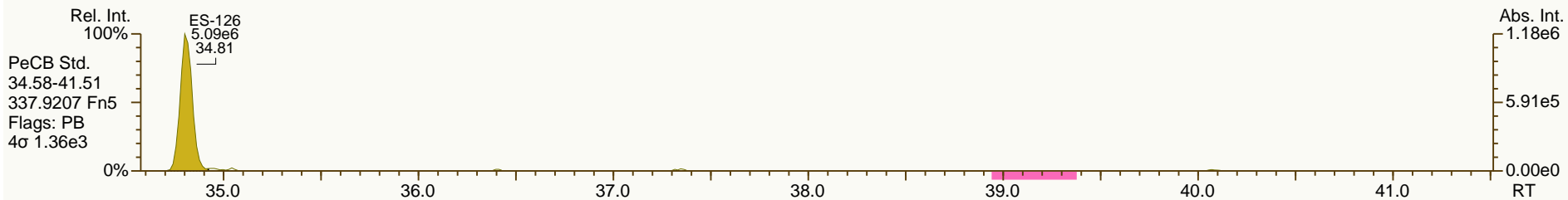
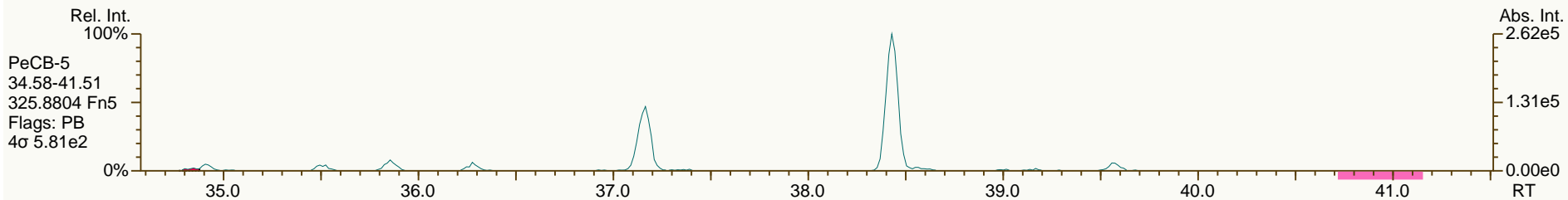
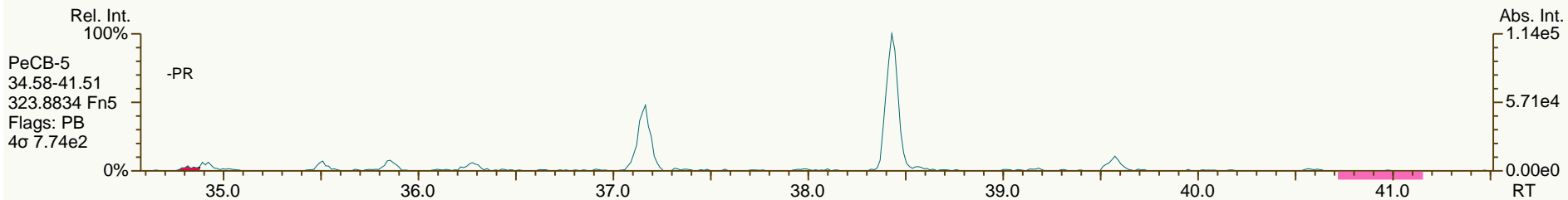
Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

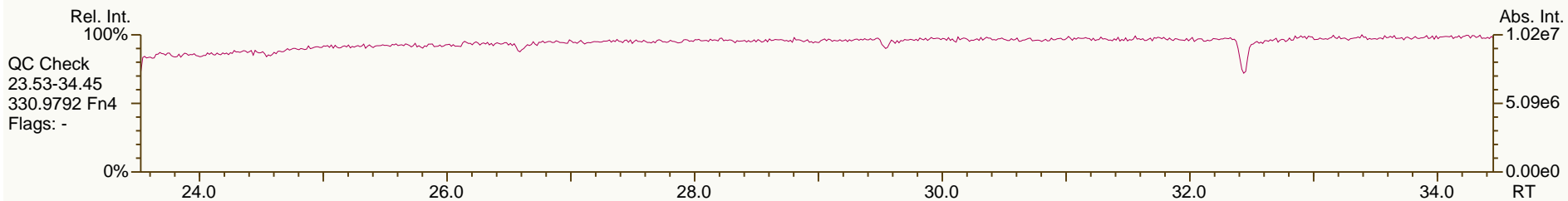
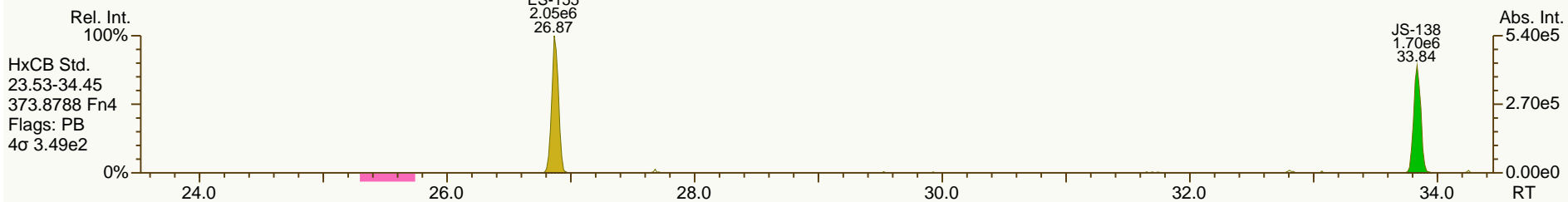
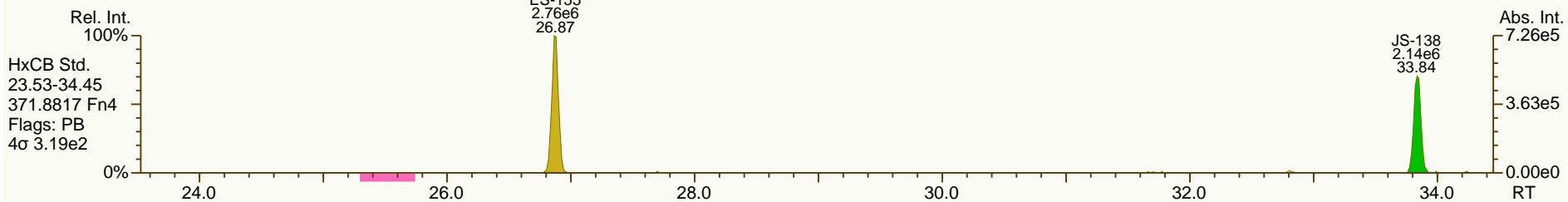
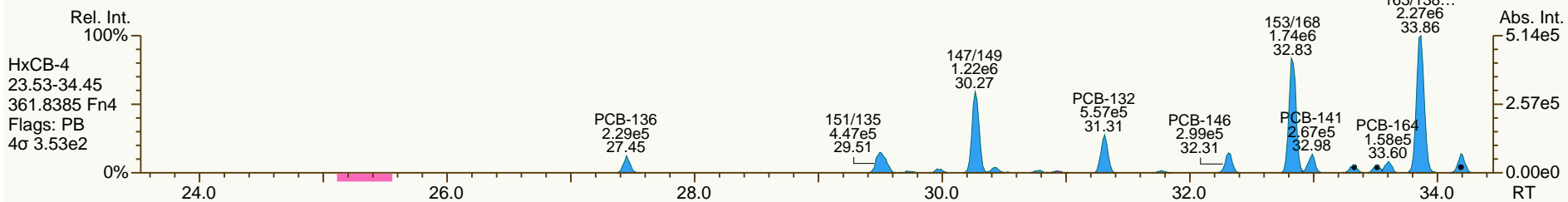
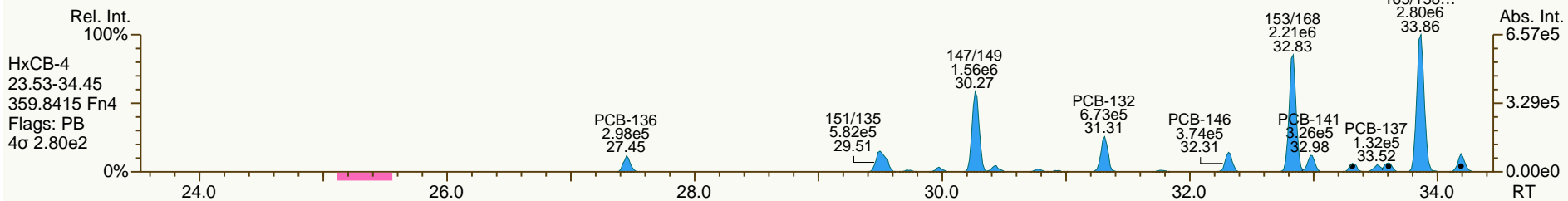
Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

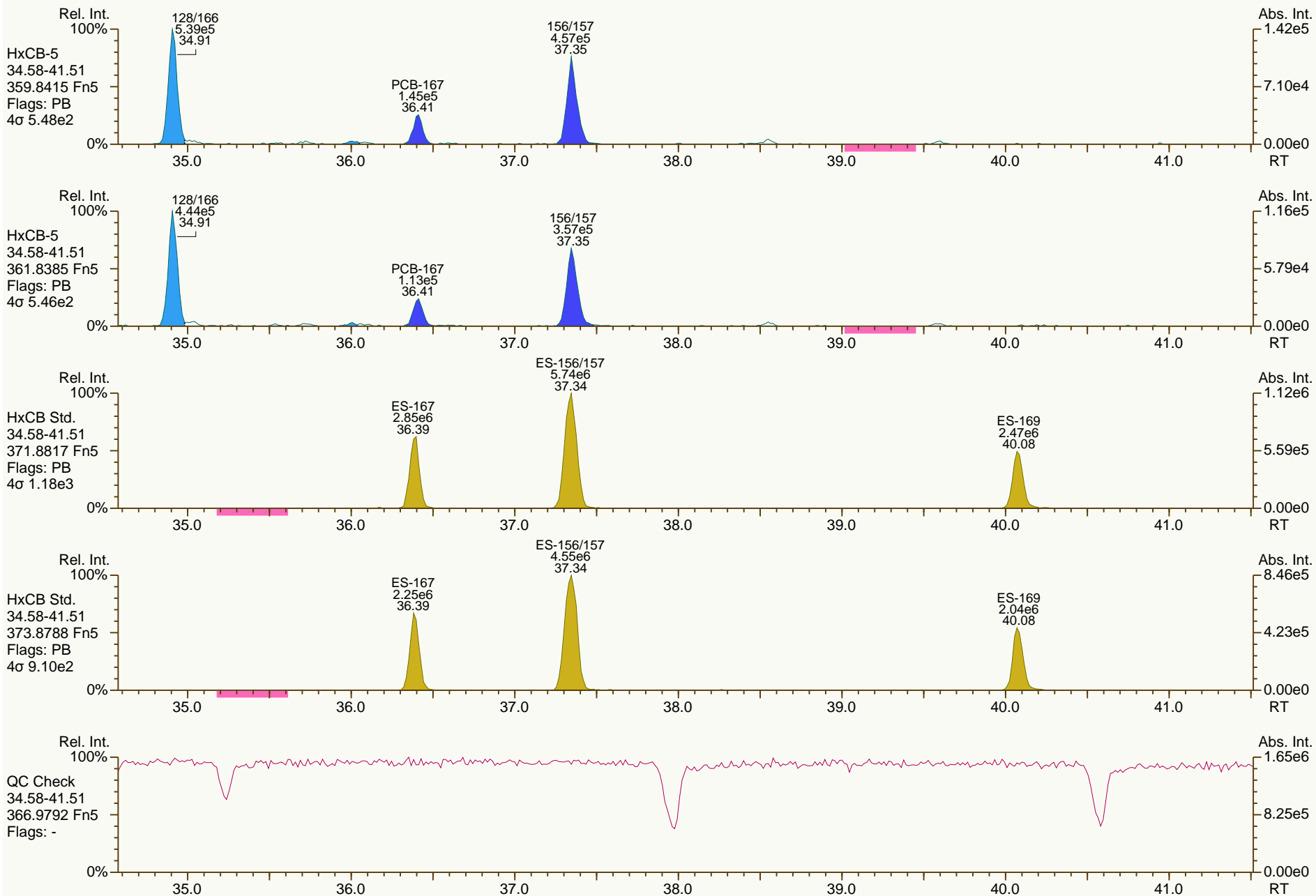
Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

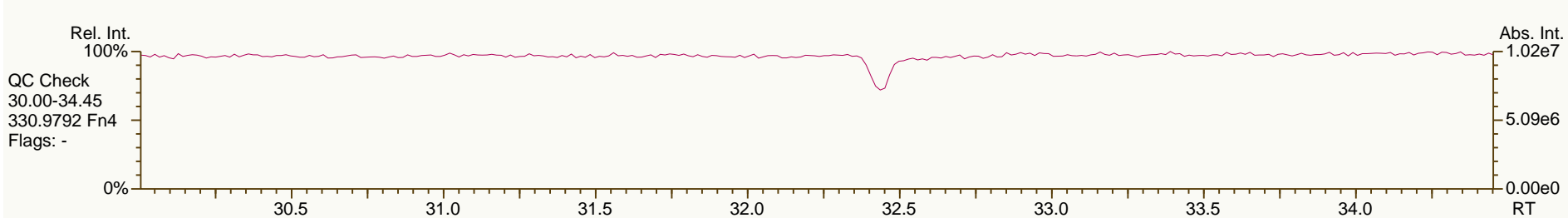
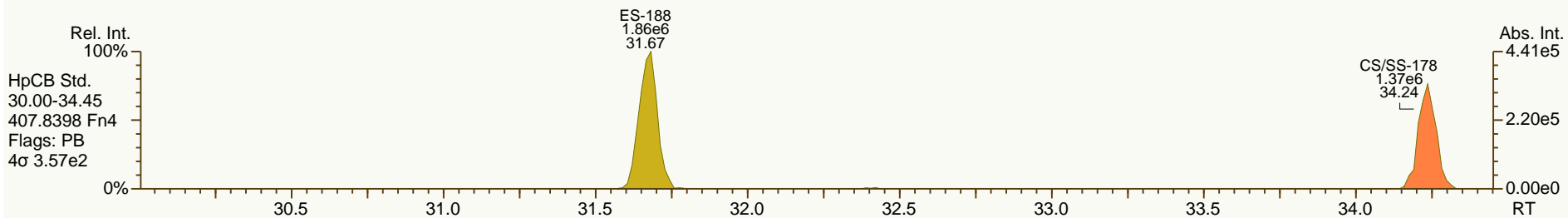
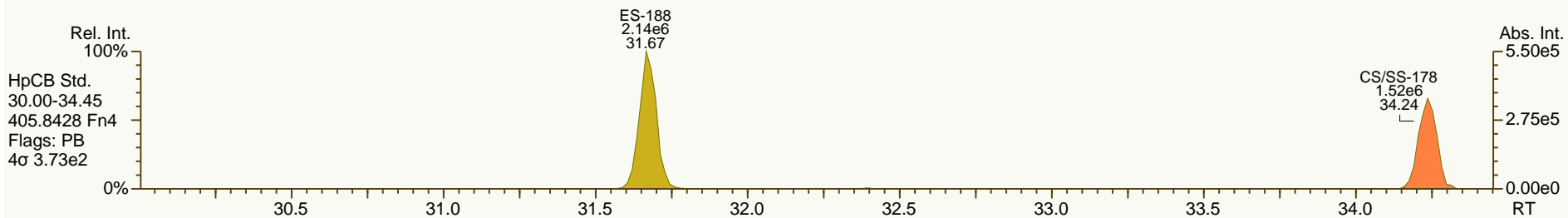
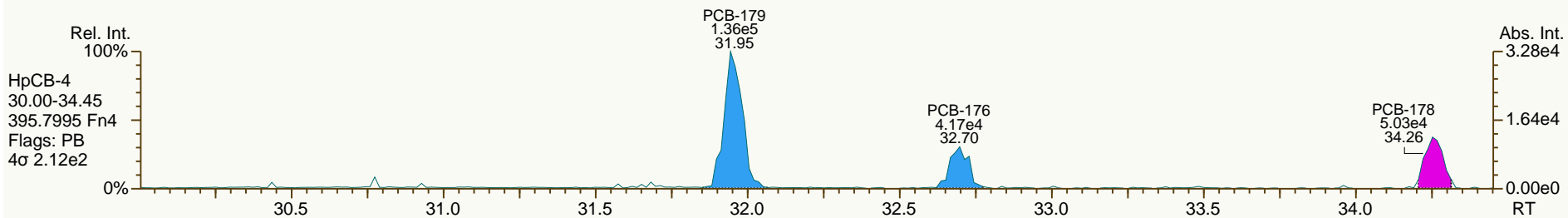
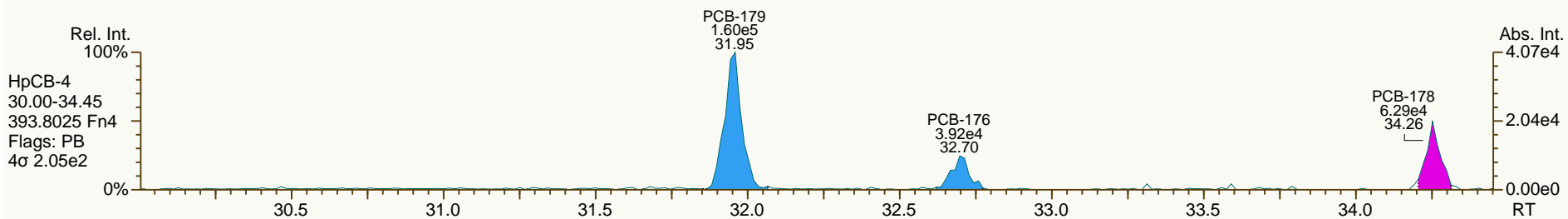
Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

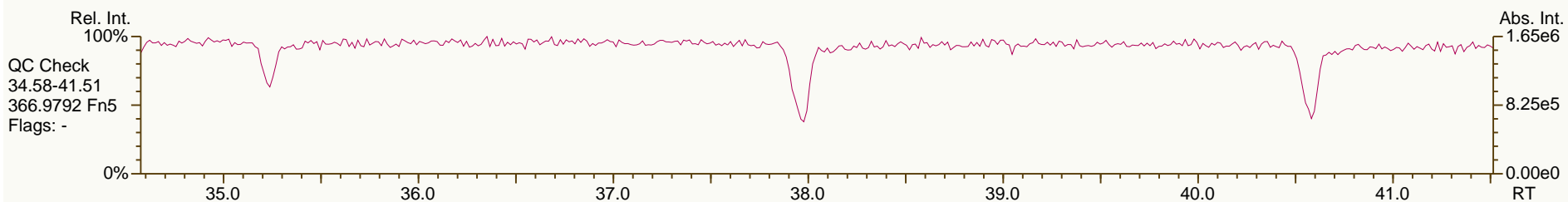
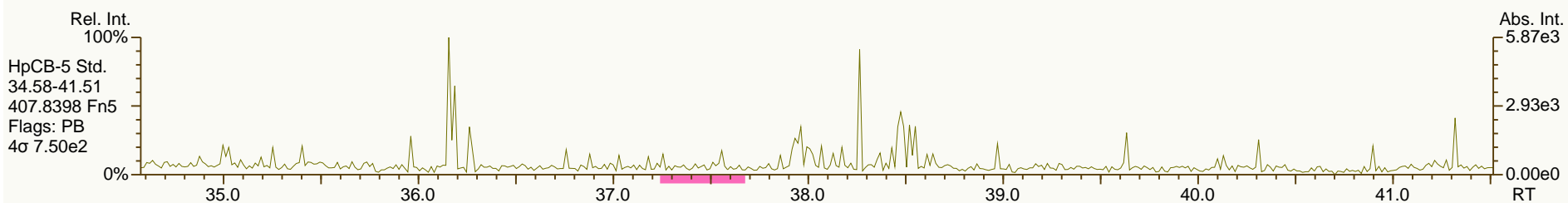
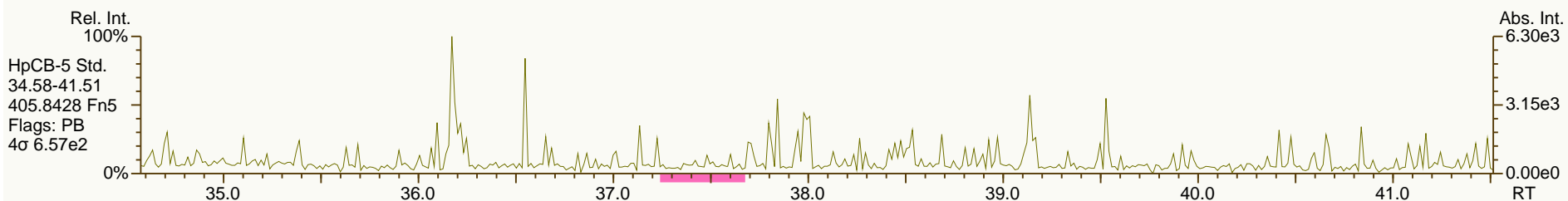
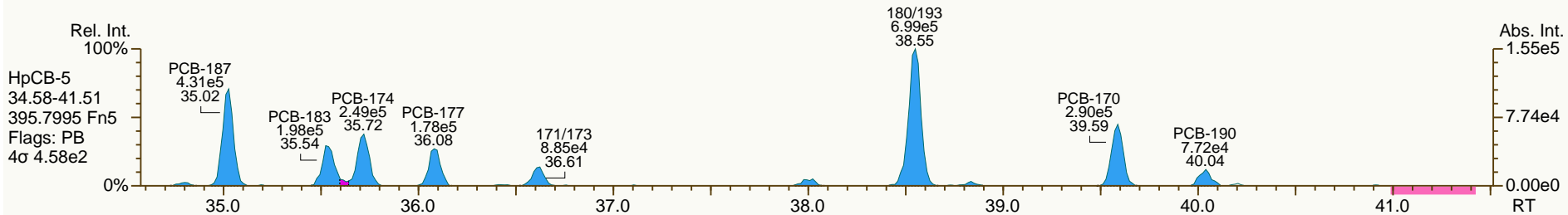
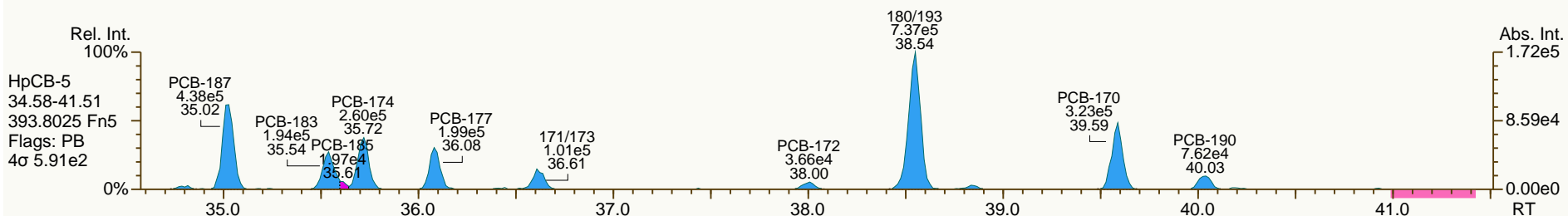
Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

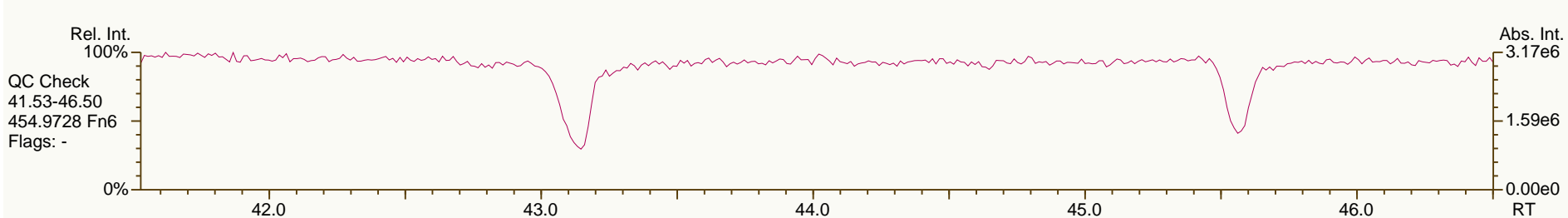
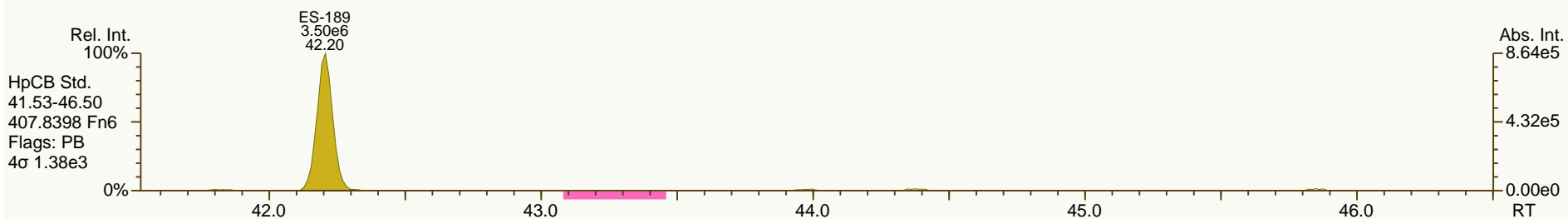
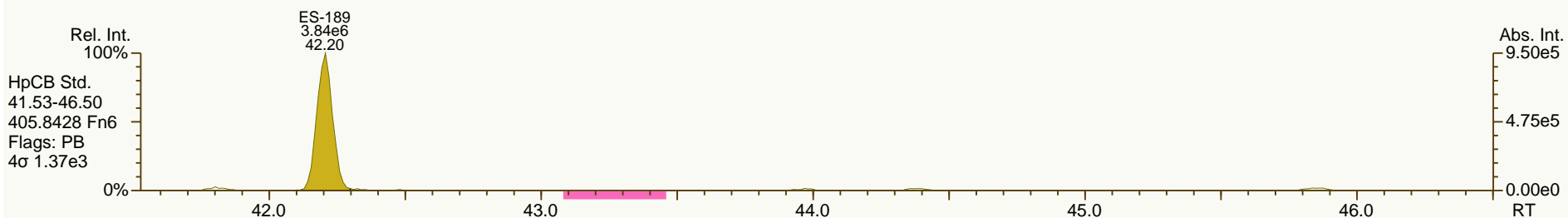
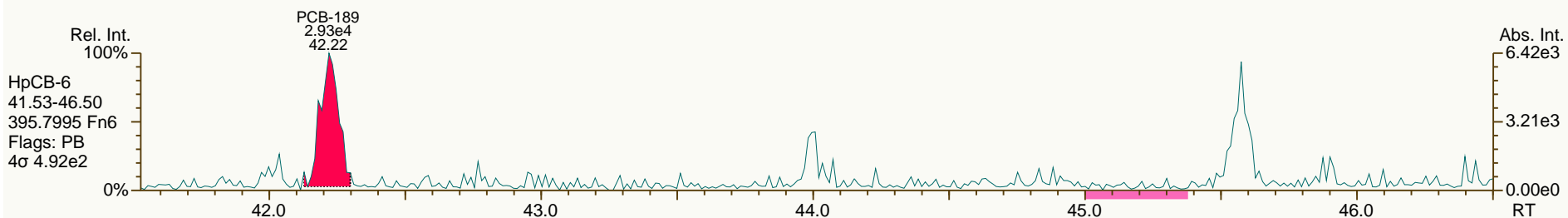
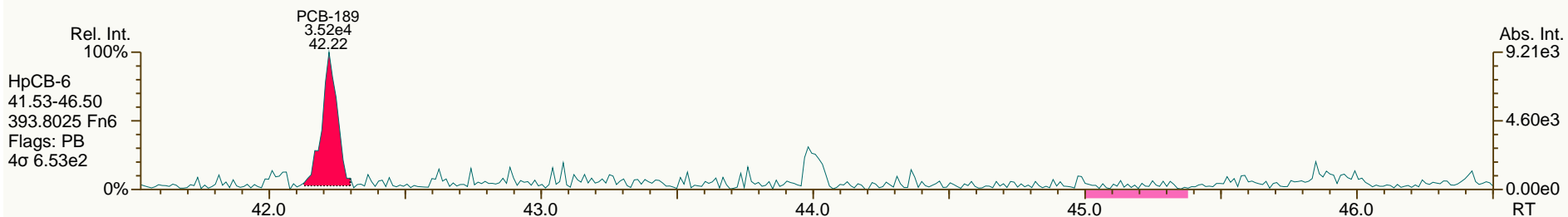
Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

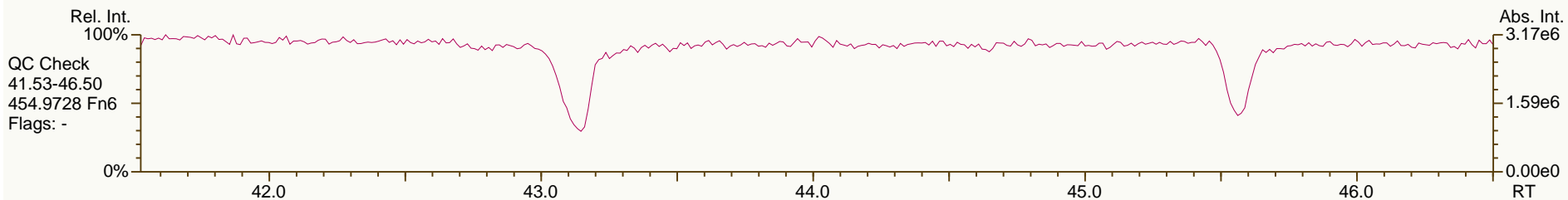
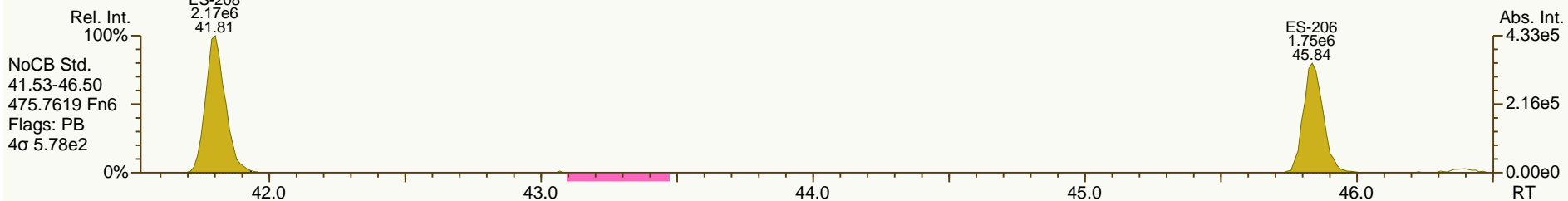
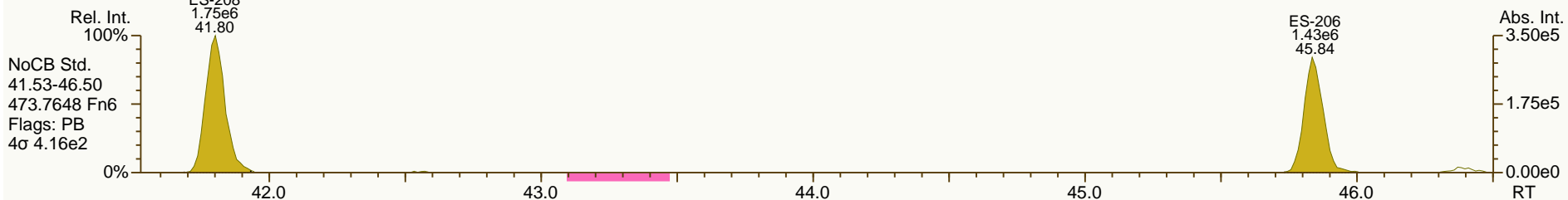
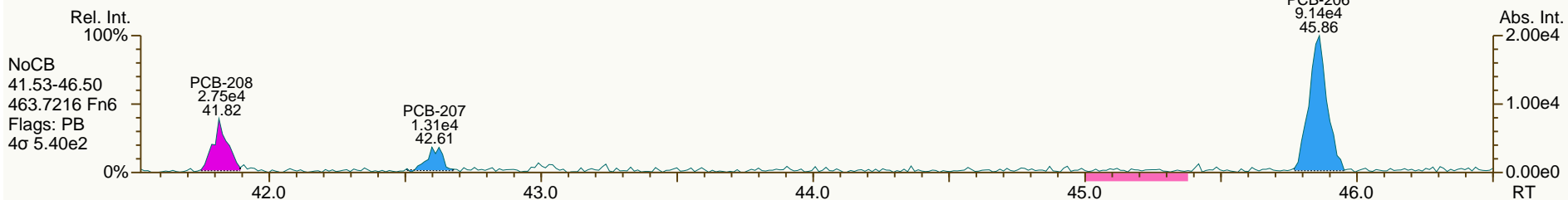
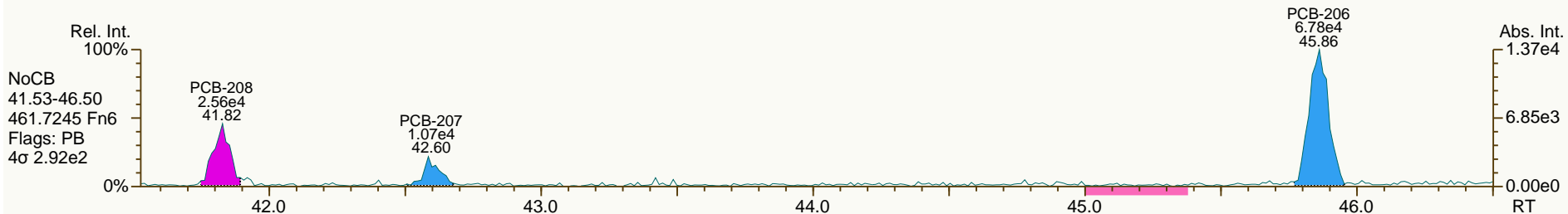
Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

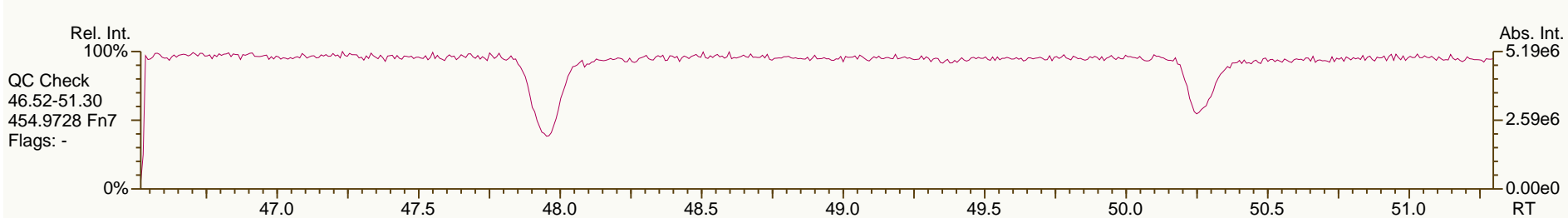
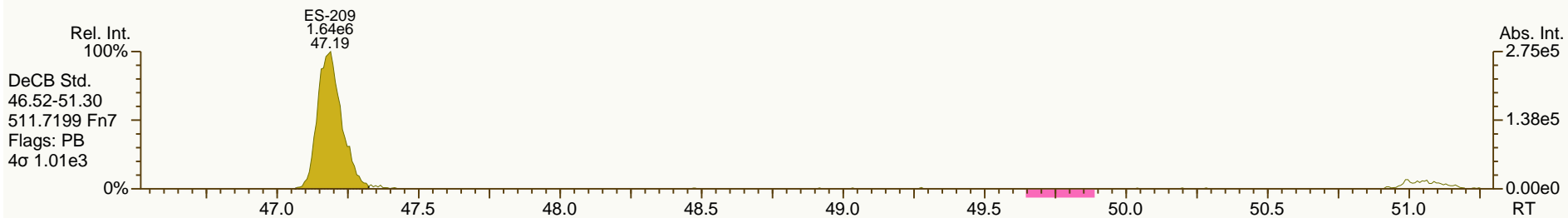
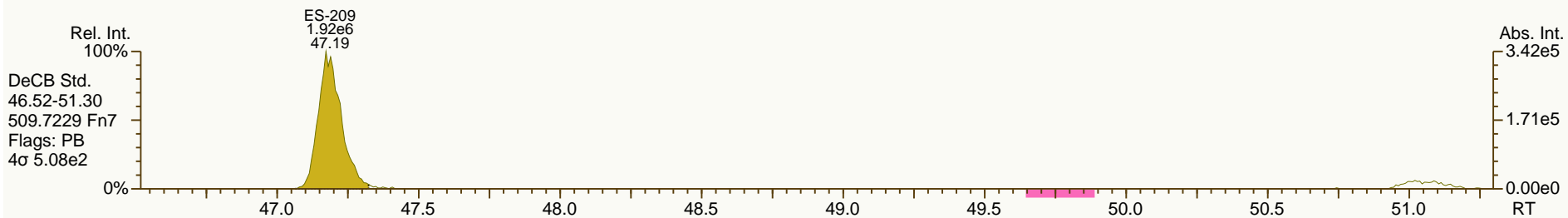
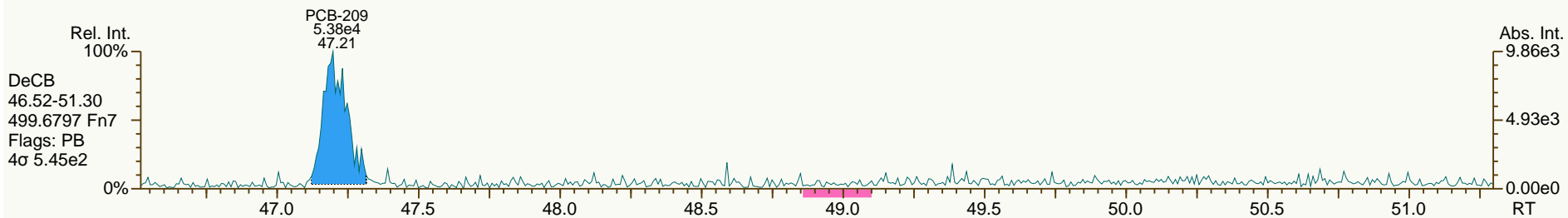
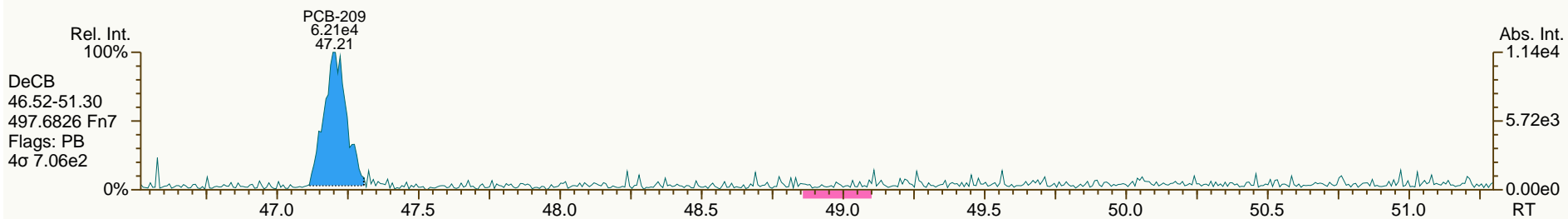
Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

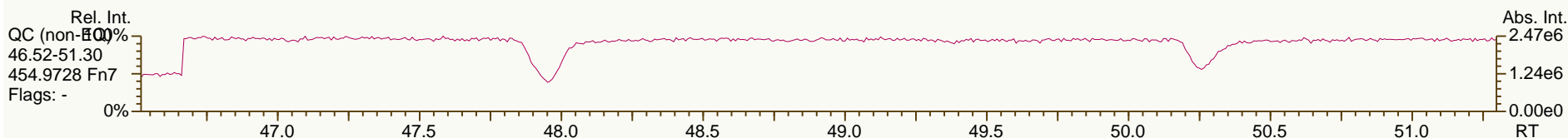
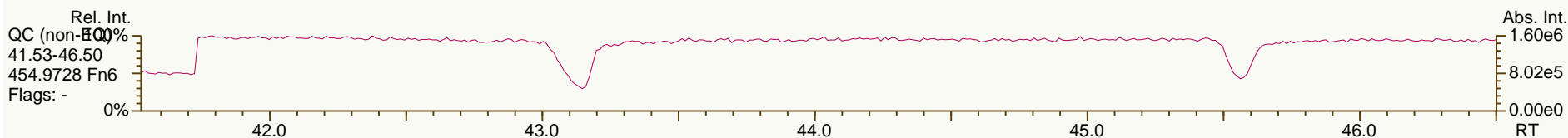
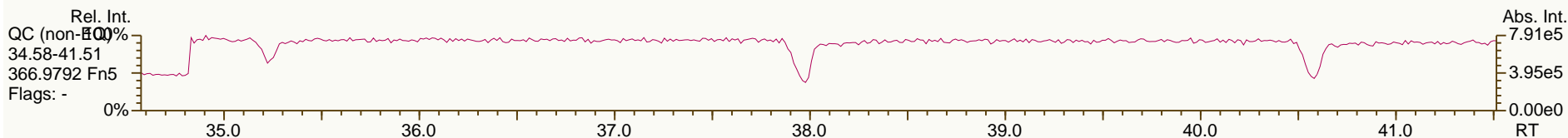
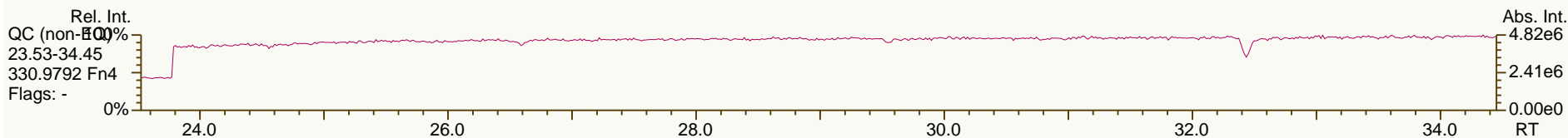
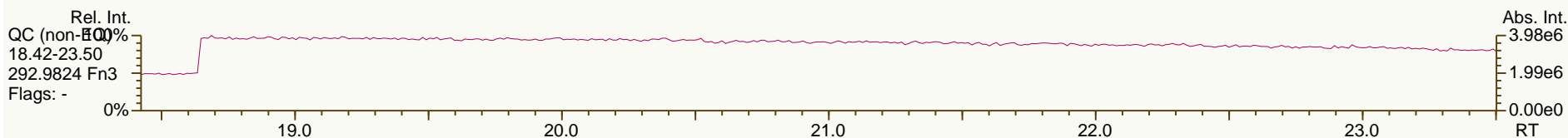
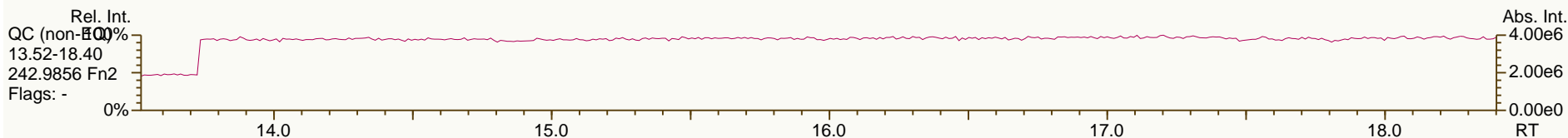
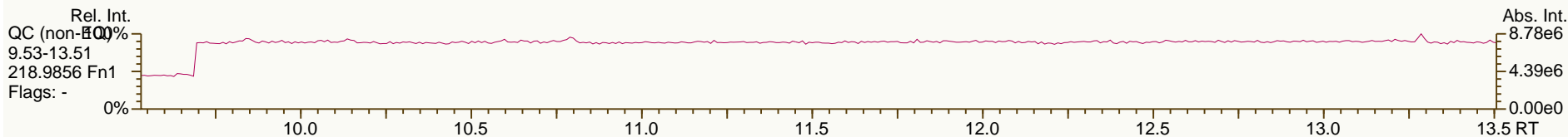
Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



Lab ID: A4371_9893_PCB_006-RJ

ACQ: 05-Jul-2012 22:07:24 LKB

Wt/Vol: 9.53 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120705_PCB_SB

Client ID: JW-EA04-COMP-120507

UTP: 09-Jul-2012 14:48 LKB

J-level: 1.05 pg/g Split: 1

Checkcode: 290-077-ZSC

Datafile: 120705S12

RPT: 09-Jul-2012 15:37 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.27		1.0006	1.0006	0	4.49E+05	0.76	1.22	8.36	1.82E+03	0.375
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.82E+03	0.335
PCB-105 233'44'-PeCB	32.21		1.0007	1.0007	0	1.69E+06	0.61	1.03	59.8	7.08E+02	0.262
PCB-114 2344'5'-PeCB	31.69		1.0007	1.0008	+0.2	9.33E+04	0.59	1.10	3.12	7.08E+02	0.232
PCB-118 23'44'5'-PeCB	31.24		1.0008	1.0007	-0.2	4.43E+06	0.62	1.03	151	7.08E+02	0.229
PCB-123 23'44'5'-PeCB	30.96		1.0007	1.0006	-0.2	7.46E+04	0.61	0.93	2.81	7.08E+02	0.271
PCB-126 33'44'5'-PeCB	34.83	J EMPC	1.0005	1.0005	0	2.48E+04	0.98	1.11	0.583	1.65E+03	0.39
PCB-156/157 ...-HxCB	37.35	C	1.0005	1.0002	-0.7	5.45E+05	1.34	1.05	21.6	1.19E+03	0.628
PCB-167 23'44'55'-HxCB	36.41		1.0006	1.0006	0	2.09E+05	1.28	1.08	7.28	1.19E+03	0.41
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.19E+03	0.729
PCB-189 233'44'55'-HpCB	42.23		1.0005	1.0005	0	6.59E+04	1.13	1.11	1.59	1.23E+03	0.321
PCB-209 DeCB	47.21		1.0004	1.0004	0	1.47E+05	1.19	1.05	8.01	9.02E+02	0.748
ES PCB-1	9.84		0.7181	0.7174	-0.4	6.03E+06	3.38	1.01	46.8 %	4%	100%
ES PCB-3	11.77		0.8583	0.8582	-0.1	6.66E+06	3.32	1.05	49.7 %	11%	106%
ES PCB-4	11.97		0.8732	0.8729	-0.2	3.46E+06	1.62	0.70	39 %	14%	107%
ES PCB-15	17.09		1.2453	1.2459	+0.6	1.11E+07	1.68	1.17	74.8 %	19%	107%
ES PCB-19	14.67		1.0698	1.0698	0	3.71E+06	1.10	0.57	51.5 %	1%	108%
ES PCB-37	23.08		1.0865	1.0872	+1.0	8.72E+06	1.14	1.41	119 %	25%	123%
ES PCB-54	17.31		0.8157	0.8154	-0.3	4.92E+06	0.76	1.32	71.9 %	13%	105%
ES PCB-77	29.25	V	1.3777	1.3780	+0.5	9.21E+06	0.81	1.22	146 %	31%	109%
ES PCB-81	28.79	V	1.3557	1.3559	+0.3	9.60E+06	0.83	1.15	161 %	14%	127%
ES PCB-104	22.03		0.8147	0.8147	0	4.73E+06	1.63	1.69	59.5 %	36%	115%
ES PCB-105	32.19		1.1906	1.1904	-0.4	5.77E+06	1.65	1.21	102 %	50%	111%
ES PCB-114	31.66		1.1709	1.1708	-0.2	5.73E+06	1.67	1.23	98.6 %	41%	121%
ES PCB-118	31.22		1.1547	1.1545	-0.4	5.96E+06	1.59	1.25	102 %	49%	111%
ES PCB-123	30.94		1.1444	1.1443	-0.2	6.03E+06	1.65	1.33	96.5 %	49%	116%
ES PCB-126	34.81	V	1.2871	1.2871	0	8.03E+06	1.57	1.36	126 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.86		0.7939	0.7939	0	5.29E+06	1.29	1.40	90 %	25%	124%
ES PCB-156/157	37.34		1.1035	1.1036	+0.2	1.01E+07	1.28	1.13	107 %	40%	120%
ES PCB-167	36.39		1.0753	1.0754	+0.2	5.57E+06	1.25	1.13	118 %	45%	118%
ES PCB-169	40.08		1.1842	1.1845	+0.7	3.49E+06	1.29	1.14	73 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.67		0.7204	0.7201	-0.6	4.26E+06	1.01	1.34	75.9 %	23%	125%
ES PCB-189	42.20	V	0.9598	0.9597	-0.3	7.85E+06	1.08	1.77	123 %	47%	116%
ES PCB-202	36.18		0.8230	0.8228	-0.4	4.47E+06	0.88	1.27	84 %	31%	134%
ES PCB-205	44.37		1.0090	1.0091	+0.3	4.72E+06	0.89	1.25	104 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.85		1.0424	1.0425	+0.3	2.89E+06	0.77	1.07	74.8 %	38%	122%
ES PCB-208	41.81		0.9508	0.9506	-0.5	4.16E+06	0.80	1.34	85.8 %	31%	126%
ES PCB-209	47.19		1.0732	1.0731	-0.3	3.68E+06	1.24	1.18	85.7 %	43%	115%
CS/SS PCB-28	19.68		0.9269	0.9268	-0.1	9.33E+06	1.08	0.98	109 %	14%	131%
CS/SS PCB-111	29.32	V	1.0843	1.0841	-0.4	6.41E+06	1.63	0.90	118 %	57%	112%
CS/SS PCB-178	34.23		1.0118	1.0118	0	3.27E+06	1.13	0.65	119 %	57%	125%
CS PCB-28	19.68		0.9269	0.9268	-0.1	9.33E+06	1.08	1.39	130 %	14%	131%
CS PCB-111	29.32	V	1.0843	1.0841	-0.4	6.41E+06	1.63	1.19	114 %	57%	112%
CS PCB-178	34.23		1.0118	1.0118	0	3.27E+06	1.13	0.87	90.1 %	57%	125%
JS PCB-9	13.71					1.27E+07	1.64				
JS PCB-52	21.23					5.17E+06	0.79				
JS PCB-101	27.04					4.71E+06	1.61				
JS PCB-138	33.84					4.19E+06	1.35				
JS PCB-194	43.98					3.62E+06	0.89				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	15.7	15.7	0.331		
						Di-CBs	127	135	2.9		
						Tri-CBs	755	755	1.34		
						Tetra-CBs	1,000	1,010	0.32		
						Penta-CBs	1,100	1,100	0.273		
						Hexa-CBs	943	951	0.487		
						Hepta-CBs	303	305	0.478		
						Octa-CBs	89.2	91.8	0.41		
						Nona-CBs	19.1	19.1	0.701		
PCB-1 2-MoCB	9.85		1.0011	1.0011	0	2.11E+05	3.32	1.20	6.12	2.13E+03	0.296
PCB-2 3-MoCB	11.62		0.9878	0.9877	-0.1	1.48E+05	3.36	1.39	3.36	2.13E+03	0.297
PCB-3 4-MoCB	11.78		1.0010	1.0011	+0.1	2.22E+05	3.59	1.13	6.19	2.13E+03	0.366
PCB-4 22'-DiCB	11.98		1.0012	1.0011	-0.1	2.14E+05	1.52	0.94	13.7	1.03E+04	3.95
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.56	ND	1.03E+04	2.39
PCB-9 25-DiCB	13.73		1.0011	1.0011	0	1.08E+05	SI	0.93	2.17	4.17E+03	0.692
PCB-7 24-DiCB	13.87		1.0116	1.0116	0	6.92E+04	SI	1.10	1.19	4.17E+03	0.587
PCB-6 23'-DiCB	14.07	EMPC	1.0261	1.0262	+0.1	4.29E+05	1.23	1.01	8.01	1.20E+04	1.84
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		1.02	ND	1.20E+04	1.83
PCB-8 24'-DiCB	14.45		1.0533	1.0534	+0.1	2.10E+06	1.49	1.05	37.8	1.20E+04	1.78
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.20	ND	1.20E+04	1.55
PCB-11 33'-DiCB	16.57	B	0.9701	0.9700	-0.1	1.30E+06	1.46	1.04	23.7	1.20E+04	1.8
PCB-13/12 34'/34-DiCB	16.83	C	0.9855	0.9847	-0.8	2.47E+05	SI	1.03	4.49	4.17E+03	0.624
PCB-15 44'-DiCB	17.10		1.0008	1.0008	0	2.33E+06	1.54	1.01	43.7	1.20E+04	1.85

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.69		1.0011	1.0011	0	1.39E+05	1.05	1.01	7.77	3.12E+03	1.23
PCB-30/18 246/22'5-TrCB	16.31	C	1.1110	1.1115	+0.5	1.82E+06	1.01	1.32	78.1	3.12E+03	0.943
PCB-17 22'4-TrCB	16.66		1.1357	1.1359	+0.2	8.67E+05	1.08	1.12	43.6	3.12E+03	1.11
PCB-27 23'6-TrCB	16.84		1.1479	1.1480	+0.1	2.03E+05	0.92	1.46	7.87	3.12E+03	0.853
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.48	ND	3.12E+03	0.839
PCB-16 22'3-TrCB	17.04		1.1612	1.1615	+0.3	7.12E+05	0.99	0.87	46.1	3.12E+03	1.43
PCB-32 24'6-TrCB	17.50		1.1923	1.1925	+0.2	8.88E+05	1.03	1.56	32.2	3.12E+03	0.799
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.37	ND	7.33E+03	1.26
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	7.33E+03	1.2
PCB-26/29 23'5/245-TrCB	18.97	C	0.8236	0.8221	-1.7	1.37E+06	1.07	1.43	23.1	7.33E+03	1.21
PCB-25 23'4-TrCB	19.18		0.8315	0.8309	-0.7	6.96E+05	1.07	1.43	11.7	7.33E+03	1.21
PCB-31 24'5-TrCB	19.44		0.8430	0.8424	-0.7	8.31E+06	1.08	1.49	134	7.33E+03	1.16
PCB-28/20 244'/233'-TrCB	19.69	C	0.8542	0.8533	-1.1	1.05E+07	1.05	1.37	185	7.33E+03	1.26
PCB-21/33 234/23'4'-TrCB	19.89	C	0.8612	0.8617	+0.6	3.85E+06	1.07	1.45	64.1	7.33E+03	1.19
PCB-22 234'-TrCB	20.22		0.8766	0.8760	-0.7	3.36E+06	1.07	1.29	62.6	7.33E+03	1.34
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.38	ND	7.33E+03	1.25
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.43	ND	7.33E+03	1.21
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	7.33E+03	1.34
PCB-35 33'4-TrCB	22.75		0.9860	0.9859	-0.1	1.73E+05	1.14	1.26	3.3	7.33E+03	1.37
PCB-37 344'-TrCB	23.10		1.0008	1.0008	0	2.71E+06	1.12	1.20	54.4	7.33E+03	1.44
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	7.33E+02	0.276
PCB-50/53 22'46/22'56'-TeCB	19.19	C	0.9051	0.9038	-1.5	5.02E+05	0.78	0.64	17	8.43E+02	0.3
PCB-45 22'36-TeCB	19.75		0.9304	0.9304	0	5.04E+05	0.76	0.57	19.4	8.43E+02	0.339
PCB-51 22'46'-TeCB	19.83		0.9340	0.9342	+0.2	1.30E+05	0.81	0.64	4.47	8.43E+02	0.302
PCB-46 22'36'-TeCB	20.01		0.9429	0.9426	-0.4	1.85E+05	0.80	0.53	7.64	8.43E+02	0.365
PCB-52 22'55'-TeCB	21.25		1.0010	1.0010	0	4.28E+06	0.74	0.62	152	8.43E+02	0.314
PCB-73 23'5'6-TeCB	21.36	J	1.0069	1.0063	-0.8	1.58E+04	0.72	0.82	0.422	8.43E+02	0.236
PCB-43 22'35-TeCB	21.45		1.0106	1.0103	-0.4	1.35E+05	0.80	0.56	5.24	8.43E+02	0.342
PCB-69/49 23'46/22'45'-TeCB	21.67	C	1.0198	1.0206	+1.0	2.89E+06	0.78	0.77	81.9	8.43E+02	0.25
PCB-48 22'45-TeCB	21.91		1.0319	1.0319	0	8.99E+05	0.76	0.65	30	8.43E+02	0.295
PCB-44/47/65 ...-TeCB	22.09	C	1.0416	1.0407	-1.2	4.29E+06	0.78	0.69	136	8.43E+02	0.279
PCB-59/62/75 ...-TeCB	22.37	C	1.0541	1.0539	-0.3	5.12E+05	0.77	0.87	12.9	8.43E+02	0.222
PCB-42 22'34'-TeCB	22.53		1.0612	1.0614	+0.3	1.10E+06	0.76	0.63	38.4	8.43E+02	0.308
PCB-41 22'34-TeCB	22.85		1.0759	1.0761	+0.3	3.89E+05	0.76	0.55	15.4	8.43E+02	0.348
PCB-71/40 23'4'6/22'33'-TeCB	22.95	C	1.0806	1.0811	+0.7	1.86E+06	0.78	0.67	60.4	8.43E+02	0.287
PCB-64 234'6-TeCB	23.15		1.0899	1.0904	+0.7	2.36E+06	0.78	0.94	54.9	8.43E+02	0.205
PCB-72 23'55'-TeCB	23.91	EMPC	0.8295	0.8305	+1.4	8.83E+04	0.92	1.11	1.74	1.82E+03	0.375
PCB-68 23'45'-TeCB	24.15	J	0.8379	0.8388	+1.3	5.59E+04	0.73	1.21	1.01	1.82E+03	0.345
PCB-57 233'5-TeCB	24.51	J	0.8501	0.8515	+2.1	4.25E+04	0.78	1.09	0.854	1.82E+03	0.383
PCB-58 233'5'-TeCB	24.69	J EMPC	0.8568	0.8578	+1.5	2.60E+04	0.96	1.10	0.518	1.82E+03	0.38
PCB-67 23'45-TeCB	24.84		0.8620	0.8630	+1.5	2.93E+05	0.85	1.14	5.64	1.82E+03	0.367
PCB-63 234'5-TeCB	25.06		0.8697	0.8706	+1.4	2.62E+05	0.75	1.20	4.77	1.82E+03	0.348
PCB-61/70/74/76 ...-TeCB	25.34	C	0.8792	0.8804	+1.8	9.90E+06	0.78	1.14	190	1.82E+03	0.366
PCB-66 23'44'-TeCB	25.60		0.8888	0.8893	+0.8	5.00E+06	0.78	1.06	103	1.82E+03	0.392
PCB-55 233'4-TeCB	25.72		0.8932	0.8933	+0.2	8.76E+04	0.78	1.14	1.68	1.82E+03	0.366

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.14		0.9080	0.9083	+0.5	1.75E+06	0.82	1.06	36.1	1.82E+03	0.392
PCB-60 2344'-TeCB	26.33		0.9144	0.9147	+0.5	7.51E+05	0.77	1.14	14.4	1.82E+03	0.365
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	1.82E+03	0.339
PCB-79 33'45'-TeCB	27.97		0.9718	0.9716	-0.3	9.08E+04	0.77	1.22	1.63	1.82E+03	0.342
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.05	ND	1.82E+03	0.398
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	6.25E+02	0.256
PCB-96 22'366'-PeCB	22.34		1.0141	1.0140	-0.1	4.14E+04	0.61	0.92	1.99	6.25E+02	0.255
PCB-103 22'45'6'-PeCB	24.05	EMPC	0.8883	0.8894	+1.6	3.79E+04	0.51	0.78	1.69	7.08E+02	0.321
PCB-94 22'356'-PeCB	24.22		0.8946	0.8958	+1.7	2.14E+04	0.55	0.68	1.1	7.08E+02	0.37
PCB-95 22'35'6'-PeCB	24.59		0.9082	0.9093	+1.6	2.62E+06	0.62	0.70	131	7.08E+02	0.36
PCB-100/93 22'44'6'/22'356'-PeCB	24.80	J C	0.9158	0.9169	+1.6	4.03E+04	0.65	0.73	1.92	7.08E+02	0.344
PCB-102 22'456'-PeCB	24.90		0.9198	0.9209	+1.6	1.25E+05	0.58	0.86	5.06	7.08E+02	0.292
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.67	ND	7.08E+02	0.377
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.66	ND	7.08E+02	0.378
PCB-91 22'34'6'-PeCB	25.31		0.9352	0.9360	+1.2	4.94E+05	0.61	0.82	20.9	7.08E+02	0.306
PCB-84 22'33'6'-PeCB	25.48		0.9416	0.9422	+0.9	7.04E+05	0.63	0.63	38.7	7.08E+02	0.396
PCB-89 22'346'-PeCB	25.88	EMPC	0.9567	0.9571	+0.6	3.12E+04	0.76	0.66	1.65	7.08E+02	0.381
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		0.99	ND	7.08E+02	0.253
PCB-92 22'355'-PeCB	26.57		0.9825	0.9826	+0.2	6.49E+05	0.63	0.70	32.4	7.08E+02	0.36
PCB-113/90/101 ...-PeCB	27.06	C	0.9999	1.0008	+1.5	3.77E+06	0.61	0.82	160	7.08E+02	0.306
PCB-83 22'33'5'-PeCB	27.44		1.0150	1.0149	-0.2	1.59E+05	0.64	0.60	9.32	7.08E+02	0.422
PCB-99 22'44'5'-PeCB	27.55		1.0190	1.0189	-0.2	1.97E+06	0.62	0.72	95.4	7.08E+02	0.348
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		0.94	ND	7.08E+02	0.266
PCB-108/119/86/97/125...-PeCB	28.00	C	1.0347	1.0354	+1.2	2.46E+06	0.62	0.84	102	7.08E+02	0.297
PCB-117 234'56'-PeCB	28.49		1.0539	1.0536	-0.5	8.90E+04	0.64	0.86	3.6	7.08E+02	0.291
PCB-116/85 23456/22'344'-PeCB	28.56	C	1.0566	1.0563	-0.5	6.14E+05	0.63	0.88	24.3	7.08E+02	0.285
PCB-110 233'4'6'-PeCB	28.70		1.0615	1.0614	-0.2	5.23E+06	0.61	0.87	209	7.08E+02	0.288
PCB-115 2344'6'-PeCB	28.81		1.0644	1.0653	+1.6	5.84E+04	0.70	1.00	2.03	7.08E+02	0.251
PCB-82 22'33'4'-PeCB	28.96		1.0711	1.0708	-0.5	3.32E+05	0.65	0.62	18.6	7.08E+02	0.403
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		0.99	ND	7.08E+02	0.252
PCB-120 23'455'-PeCB	29.73		1.0994	1.0993	-0.2	3.68E+04	0.62	0.98	1.31	7.08E+02	0.256
PCB-107/124 ...-PeCB	30.67	C	0.9909	0.9911	+0.4	1.55E+05	0.59	0.92	5.82	7.08E+02	0.272
PCB-109 233'46'-PeCB	30.87		0.9976	0.9976	0	3.70E+05	0.57	0.90	14.2	7.08E+02	0.277
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.92	ND	7.08E+02	0.272
PCB-122 233'4'5'-PeCB	31.51		1.0095	1.0092	-0.6	5.25E+04	0.59	0.94	2.04	7.08E+02	0.27
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.99	ND	7.08E+02	0.272
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	5.38E+02	0.182
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	5.38E+02	0.194
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.01	ND	5.38E+02	0.191
PCB-136 22'33'66'-HxCB	27.44		1.0216	1.0216	0	4.89E+05	1.35	0.92	21.2	5.38E+02	0.21
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	5.38E+02	0.202
PCB-148 22'34'56'-HxCB	29.01	J EMPC	1.0801	1.0799	-0.3	1.76E+04	1.52	0.73	0.955	5.38E+02	0.262
PCB-151/135 ...-HxCB	29.50	C	1.0986	1.0983	-0.5	1.17E+06	1.29	0.72	64.8	5.38E+02	0.269
PCB-154 22'44'56'-HxCB	29.73	EMPC	1.1067	1.1066	-0.2	8.51E+04	0.95	0.81	4.19	5.38E+02	0.239
PCB-144 22'345'6'-HxCB	29.97		1.1158	1.1158	0	1.52E+05	1.26	0.74	8.17	5.38E+02	0.262

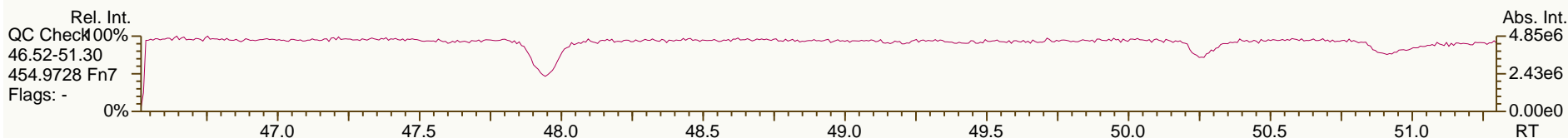
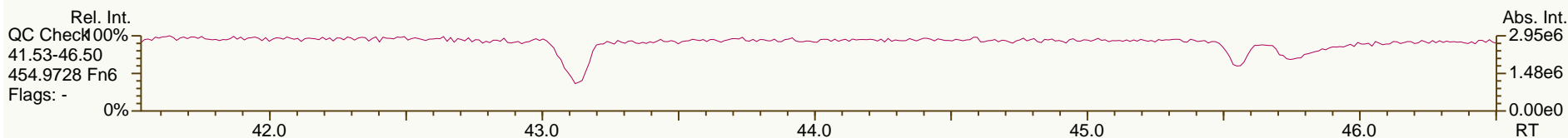
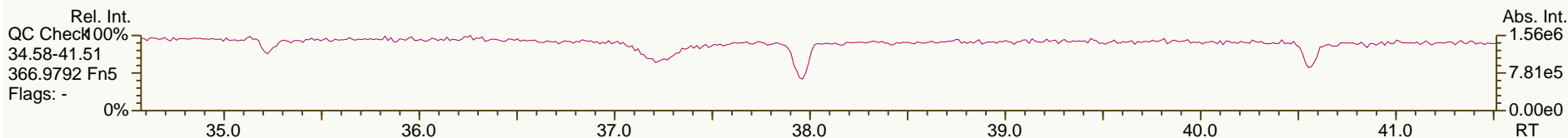
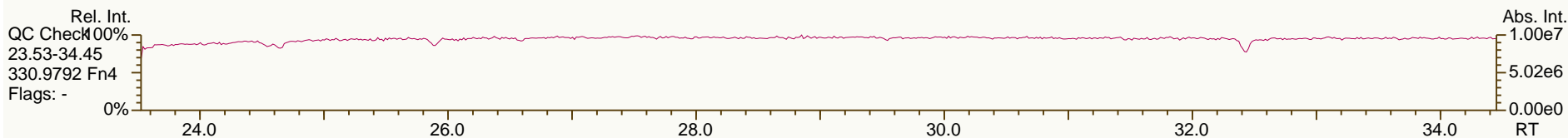
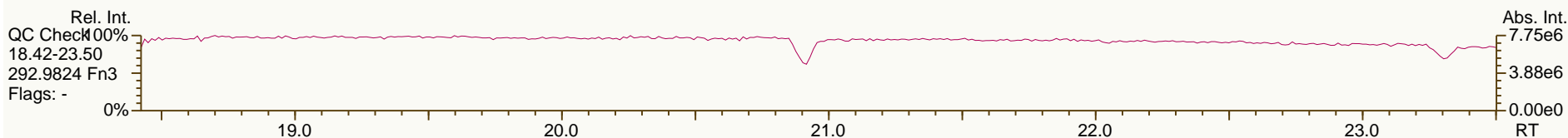
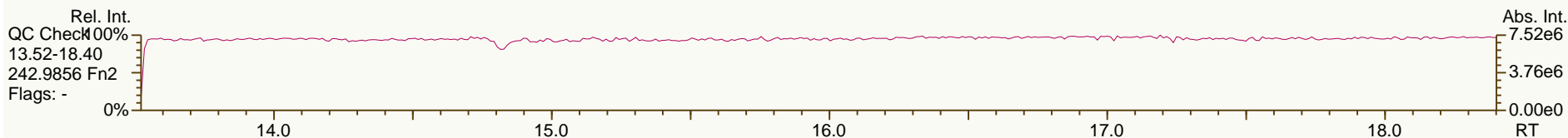
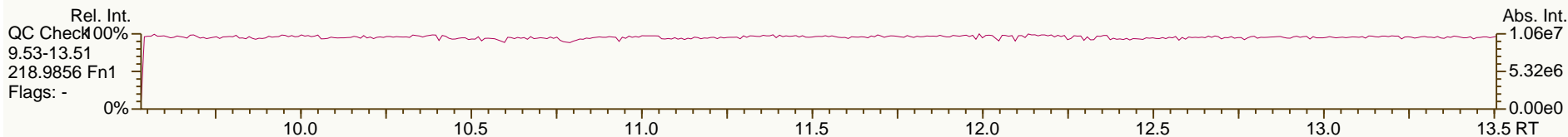
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.27	C	1.1269	1.1266	-0.5	2.96E+06	1.32	0.75	157	5.38E+02	0.257
PCB-134 22'33'56"-HxCB	30.42		1.1326	1.1326	0	1.86E+05	1.34	0.59	12.4	5.38E+02	0.324
PCB-143 22'34'56"-HxCB	30.53	J EMPC	1.1356	1.1366	+1.8	7.06E+03	1.44	0.72	0.391	5.38E+02	0.269
PCB-139/140 ...-HxCB	30.77	C	1.1458	1.1456	-0.4	8.70E+04	1.27	0.77	4.48	5.38E+02	0.25
PCB-131 22'33'46"-HxCB	30.93	EMPC	1.1516	1.1514	-0.4	4.47E+04	1.00	0.65	2.72	5.38E+02	0.295
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.68	ND	5.38E+02	0.282
PCB-132 22'33'46"-HxCB	31.30		1.1655	1.1653	-0.4	1.11E+06	1.23	0.67	66.3	5.38E+02	0.289
PCB-133 22'33'55"-HxCB	31.77		1.1826	1.1826	0	8.67E+04	1.30	0.69	5.01	5.38E+02	0.28
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.85	ND	5.38E+02	0.227
PCB-146 22'34'55"-HxCB	32.31		0.9550	0.9549	-0.2	8.10E+05	1.25	0.76	42.4	5.38E+02	0.254
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.93	ND	5.38E+02	0.208
PCB-153/168 ...-HxCB	32.83	C	0.9709	0.9702	-1.4	4.05E+06	1.25	0.89	181	5.38E+02	0.217
PCB-141 22'34'55"-HxCB	32.98		0.9746	0.9746	0	5.77E+05	1.26	0.73	31.4	5.38E+02	0.264
PCB-130 22'33'45"-HxCB	33.31		0.9847	0.9846	-0.2	2.49E+05	1.35	0.63	15.7	5.38E+02	0.305
PCB-137 22'34'4'5"-HxCB	33.51		0.9904	0.9903	-0.2	1.70E+05	1.26	0.81	8.32	5.38E+02	0.237
PCB-164 233'4'5'6"-HxCB	33.60		0.9930	0.9930	0	3.38E+05	1.18	0.89	15	5.38E+02	0.216
PCB-163/138/129 ...-HxCB	33.86	C	1.0012	1.0008	-0.8	4.54E+06	1.25	0.78	230	5.38E+02	0.245
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.87	ND	5.38E+02	0.221
PCB-158 233'44'6"-HxCB	34.19		1.0106	1.0105	-0.2	5.22E+05	1.24	1.00	20.7	5.38E+02	0.192
PCB-128/166 ...-HxCB	34.91	C	0.9593	0.9593	0	7.66E+05	1.31	0.97	29.8	1.19E+03	0.456
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.08	ND	1.19E+03	0.409
PCB-162 233'4'55"-HxCB	36.01	J	0.9896	0.9898	+0.4	2.42E+04	1.30	1.14	0.799	1.19E+03	0.388
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	5.72E+02	0.255
PCB-179 22'33'566"-HpCB	31.95		1.0089	1.0089	0	3.78E+05	1.08	1.06	17.5	5.72E+02	0.256
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.04	ND	5.72E+02	0.262
PCB-176 22'33'466"-HpCB	32.69		1.0324	1.0324	0	1.16E+05	0.97	1.13	5.03	5.72E+02	0.24
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.10	ND	5.72E+02	0.247
PCB-178 22'33'55'6"-HpCB	34.26		1.0816	1.0817	+0.2	1.62E+05	1.02	0.78	10.2	5.72E+02	0.348
PCB-175 22'33'45'6"-HpCB	34.79	EMPC	1.0985	1.0987	+0.4	2.83E+04	0.87	0.86	1.61	1.19E+03	0.656
PCB-187 22'34'55'6"-HpCB	35.02		1.1057	1.1059	+0.4	1.13E+06	1.02	0.89	62.6	1.19E+03	0.636
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.92	ND	1.19E+03	0.617
PCB-183 22'344'5'6"-HpCB	35.53		1.1219	1.1221	+0.4	4.81E+05	1.04	0.92	25.7	1.19E+03	0.615
PCB-185 22'3455'6"-HpCB	35.61		1.1241	1.1244	+0.6	7.13E+04	1.03	0.88	3.98	1.19E+03	0.643
PCB-174 22'33'456"-HpCB	35.71		1.1276	1.1278	+0.4	6.51E+05	1.02	0.78	41.3	1.19E+03	0.73
PCB-177 22'33'45'6"-HpCB	36.08		1.1393	1.1394	+0.2	4.58E+05	1.09	0.74	30.5	1.19E+03	0.766
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.85	ND	1.19E+03	0.67
PCB-171/173 ...-HpCB	36.61	C	1.1556	1.1561	+1.1	2.02E+05	0.99	0.77	13	1.19E+03	0.741
PCB-172 22'33'455"-HpCB	38.00		0.9003	0.9003	0	8.64E+04	1.12	0.51	4.54	1.19E+03	0.68
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.66	ND	1.19E+03	0.526
PCB-180/193 ...-HpCB	38.54	C	0.9127	0.9132	+1.2	1.74E+06	1.07	0.84	55.2	1.19E+03	0.411
PCB-191 233'44'5'6"-HpCB	38.84		0.9203	0.9202	-0.2	3.70E+04	1.09	0.67	1.47	1.19E+03	0.515
PCB-170 22'33'44'5"-HpCB	39.59		0.9380	0.9380	0	6.16E+05	1.09	0.70	23.6	1.19E+03	0.497
PCB-190 233'44'56"-HpCB	40.04		0.9486	0.9487	+0.2	1.70E+05	1.02	0.66	6.87	1.19E+03	0.523
PCB-202 22'33'55'66"-OoCB	36.20		1.0006	1.0005	-0.2	1.00E+05	0.80	0.83	5.7	7.45E+02	0.482
PCB-201 22'33'45'66"-OoCB	36.97	EMPC	1.0221	1.0219	-0.4	5.14E+04	1.03	0.94	2.58	7.45E+02	0.426

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	7.45E+02	0.441
PCB-197 22'33'44'66'-OcCB	37.73	J	1.0431	1.0427	-0.9	9.34E+03	0.77	1.00	0.437	7.45E+02	0.397
PCB-200 22'33'4566'-OcCB	37.81		1.0451	1.0451	0	4.99E+04	0.89	0.88	2.67	7.45E+02	0.455
PCB-198/199 ...-OcCB	40.20	C	1.1102	1.1110	+1.9	3.42E+05	0.99	0.58	27.6	7.45E+02	0.684
PCB-196 22'33'44'56'-OcCB	40.75		1.1260	1.1261	+0.2	1.38E+05	0.88	0.60	10.8	7.45E+02	0.666
PCB-203 22'344'55'6-OcCB	40.91		1.1306	1.1307	+0.2	2.23E+05	0.96	0.63	16.6	7.45E+02	0.63
PCB-195 22'33'44'56-OcCB	42.01		0.9469	0.9467	-0.5	1.15E+05	0.97	0.74	6.95	8.01E+02	0.501
PCB-194 22'33'44'55'-OcCB	44.00		0.9915	0.9915	0	3.29E+05	0.92	0.82	17.8	8.01E+02	0.447
PCB-205 233'44'55'6-OcCB	44.40	J	1.0004	1.0006	+0.5	1.85E+04	0.88	1.09	0.755	8.01E+02	0.337
PCB-208 22'33'455'66'-NoCB	41.82		1.0005	1.0005	0	8.20E+04	0.86	0.98	4.24	8.75E+02	0.547
PCB-207 22'33'44'566'-NoCB	42.61		1.0192	1.0192	0	3.06E+04	0.73	1.01	1.54	8.75E+02	0.53
PCB-206 22'33'44'55'6-NoCB	45.86		1.0004	1.0004	0	1.71E+05	0.82	0.93	13.3	8.75E+02	0.856

AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

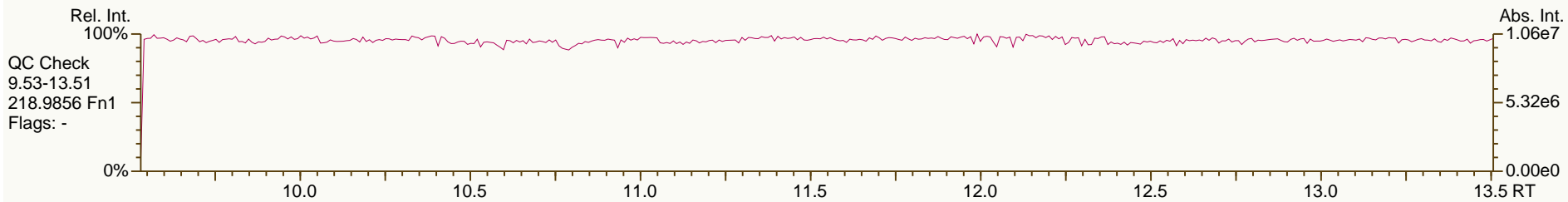
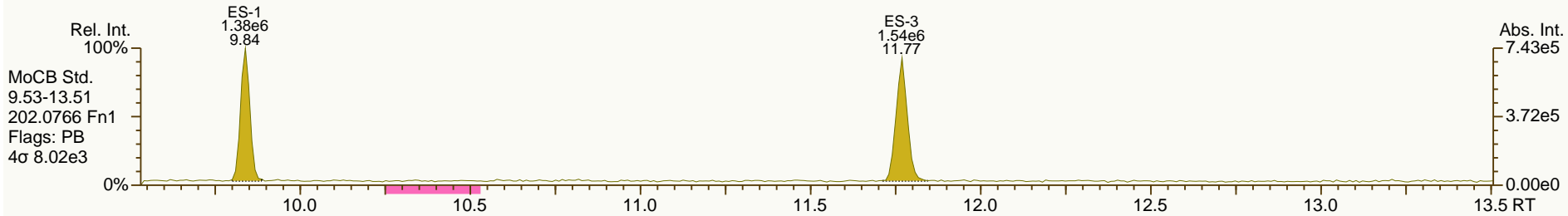
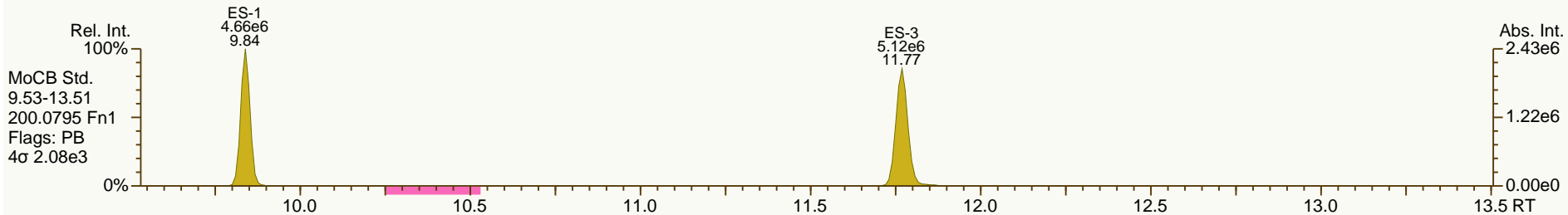
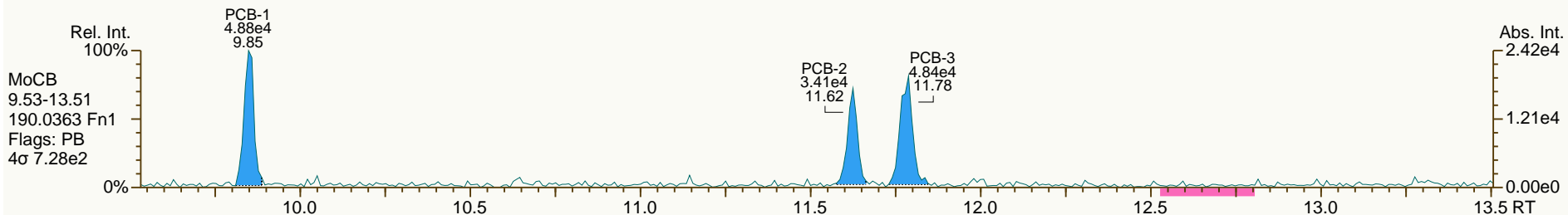
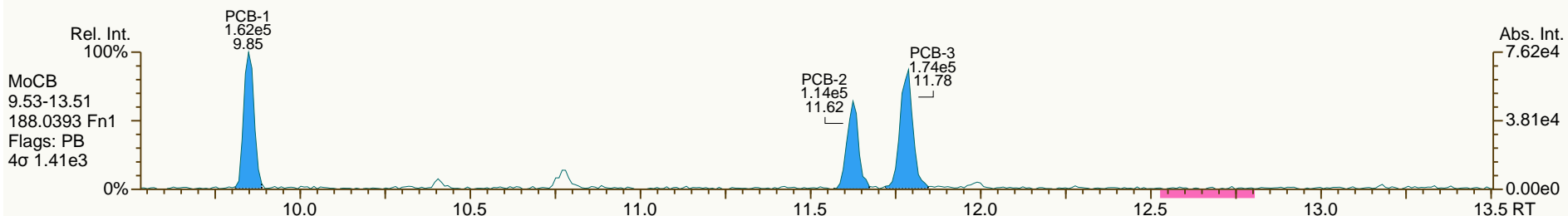
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

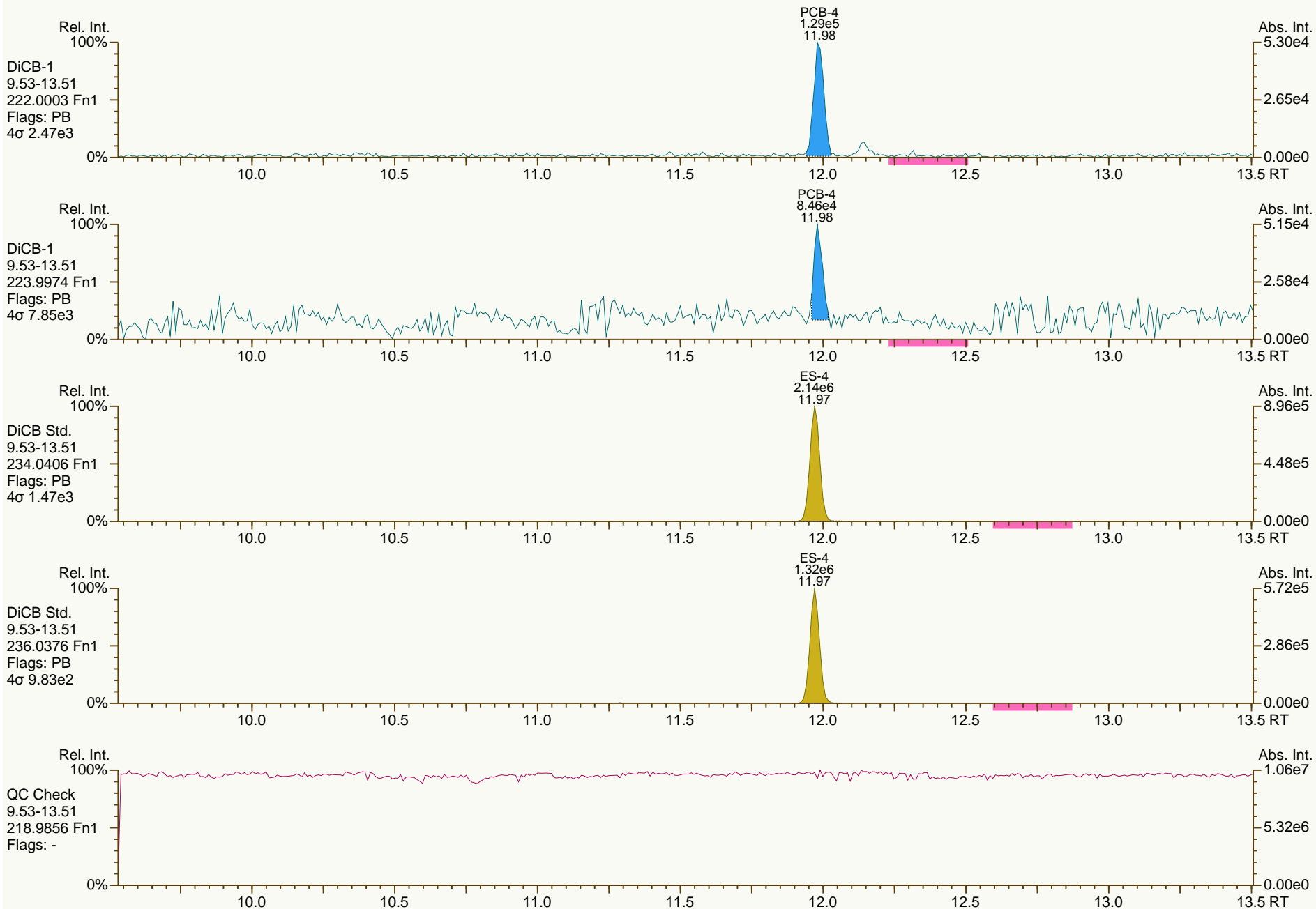
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

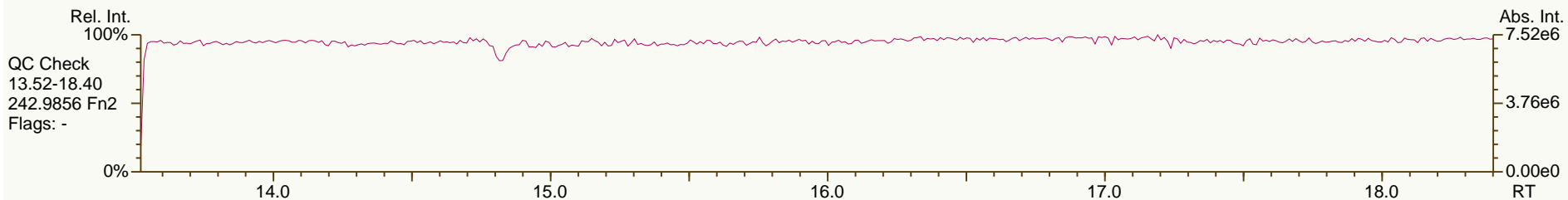
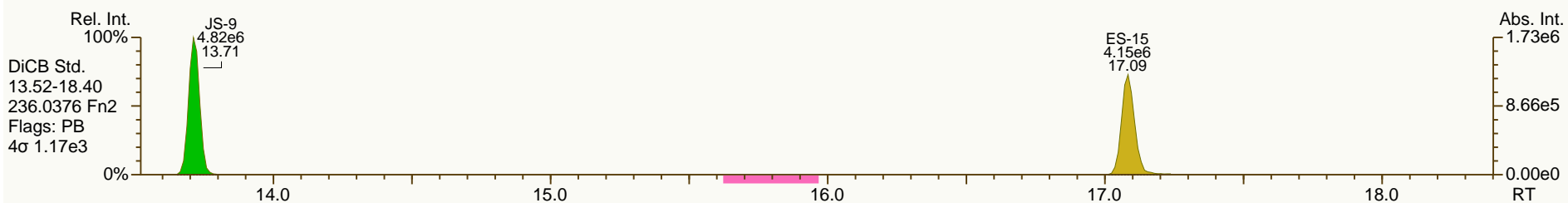
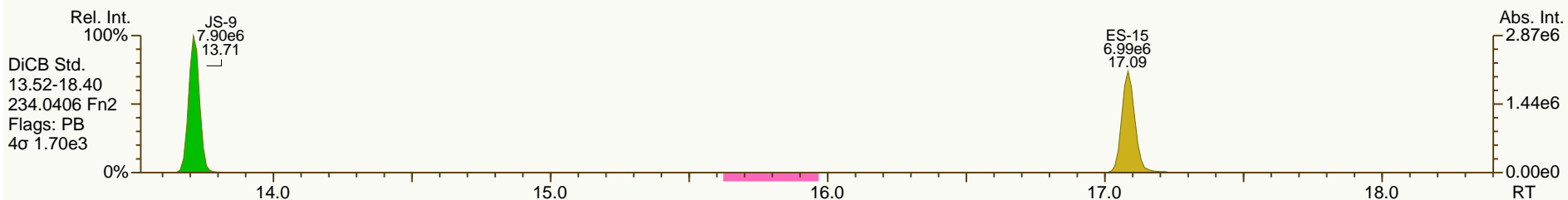
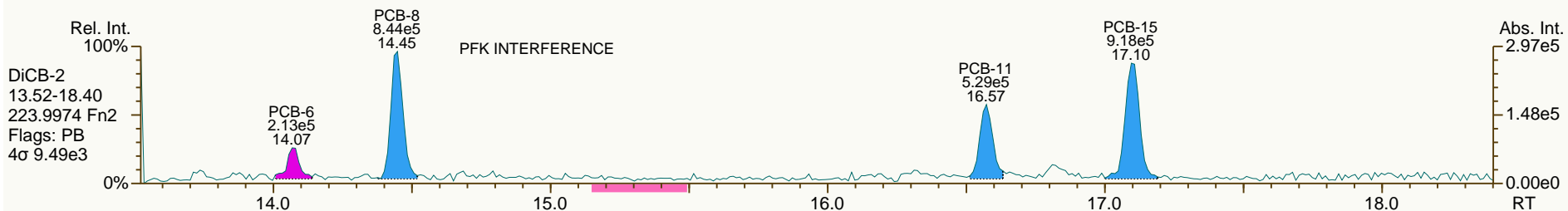
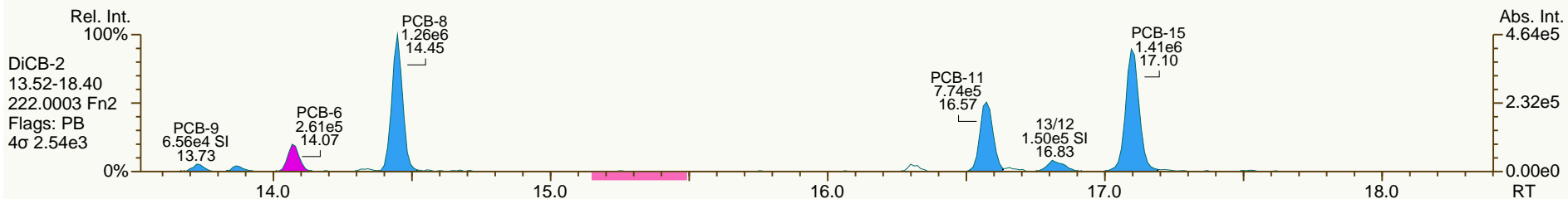
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

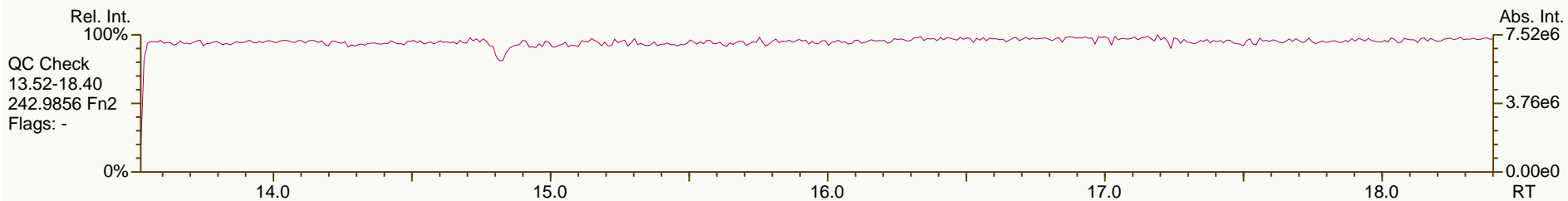
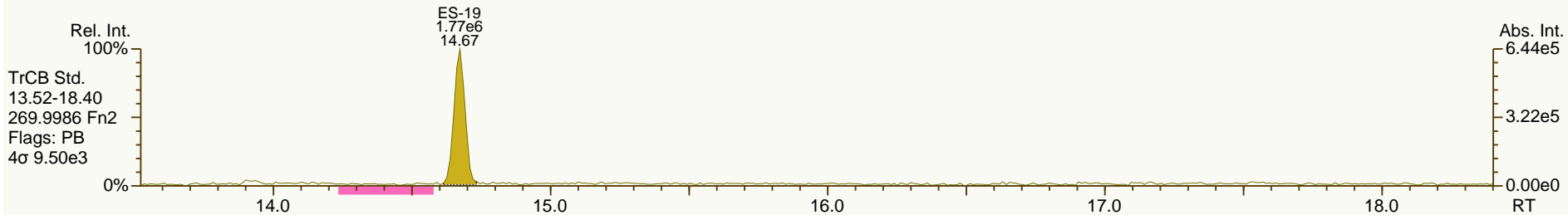
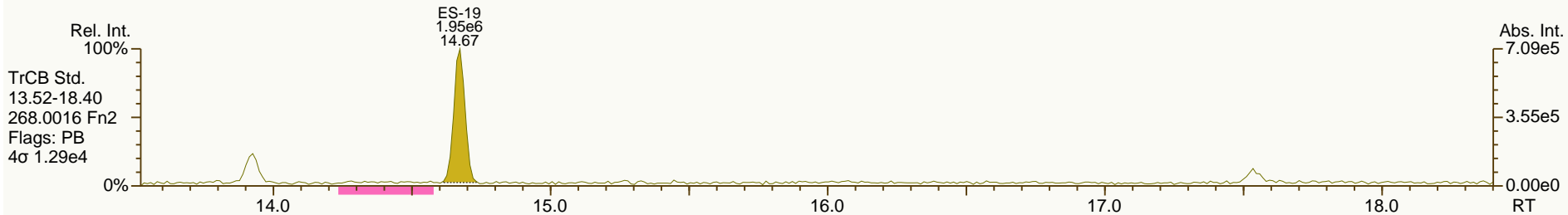
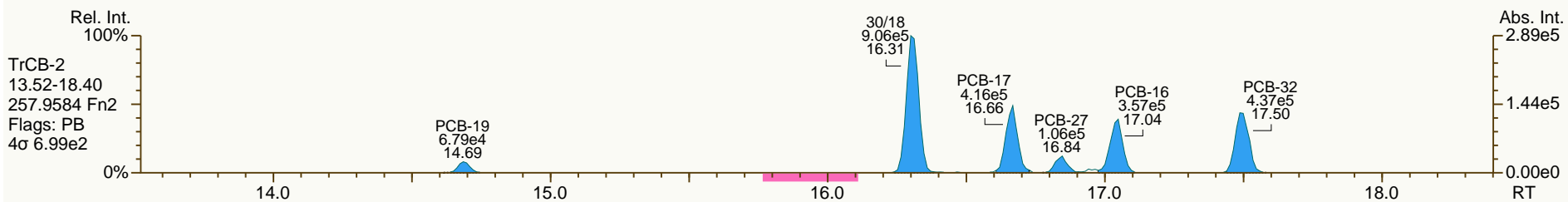
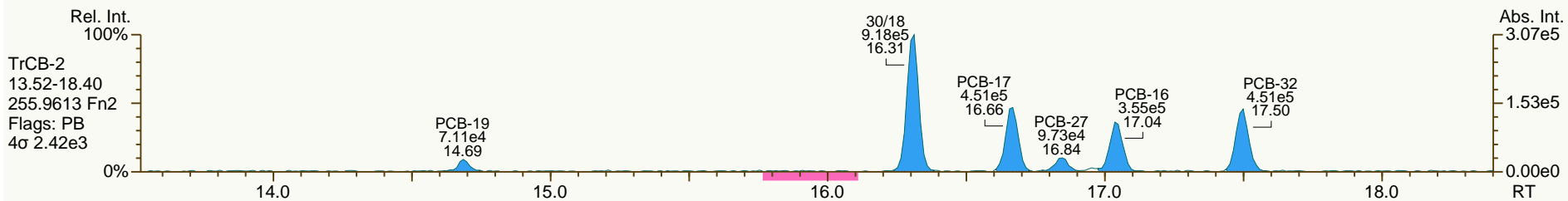
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

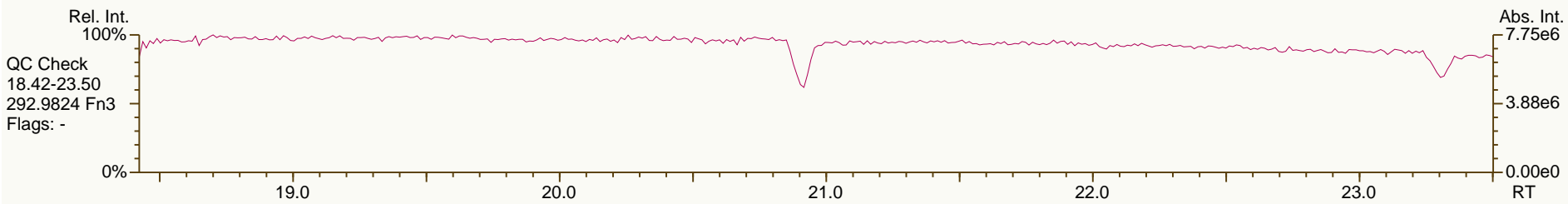
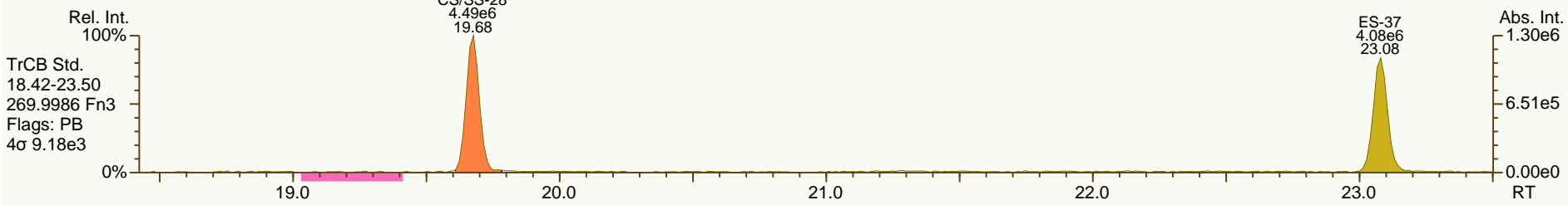
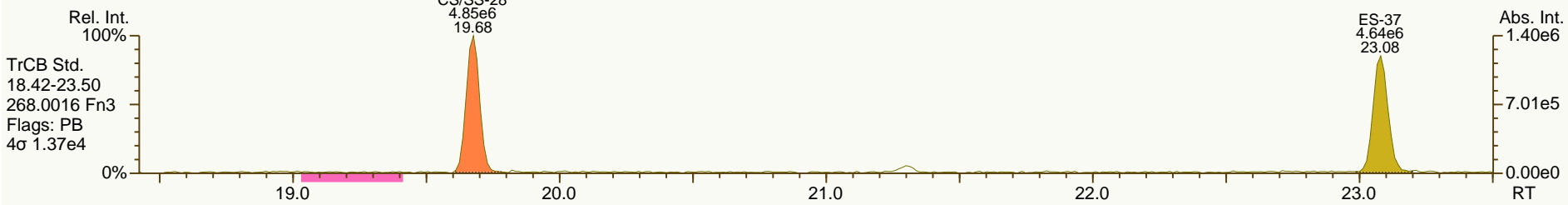
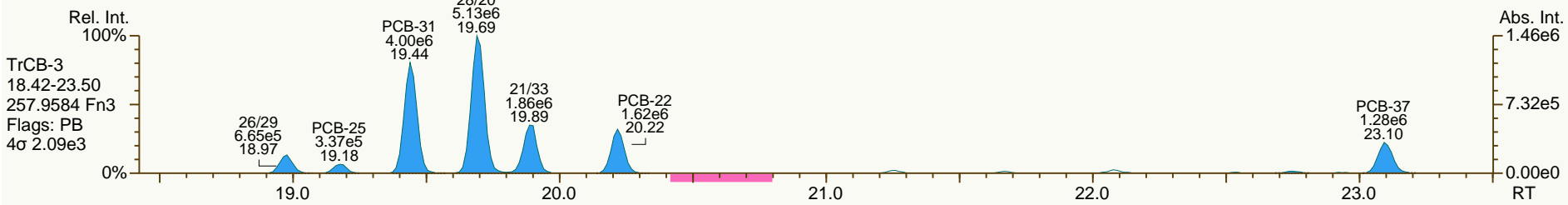
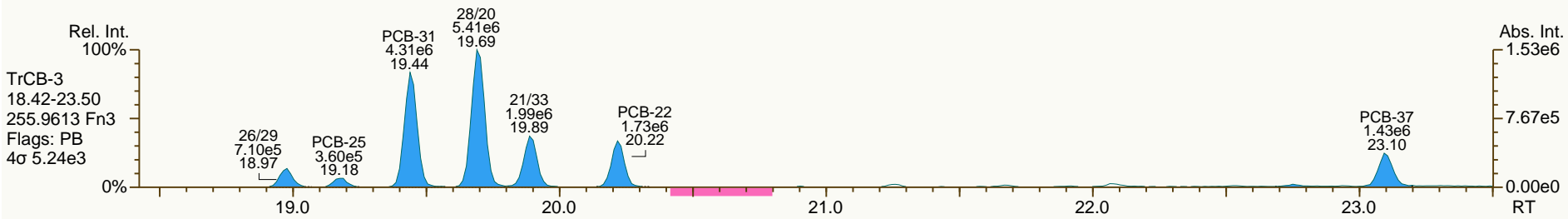
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

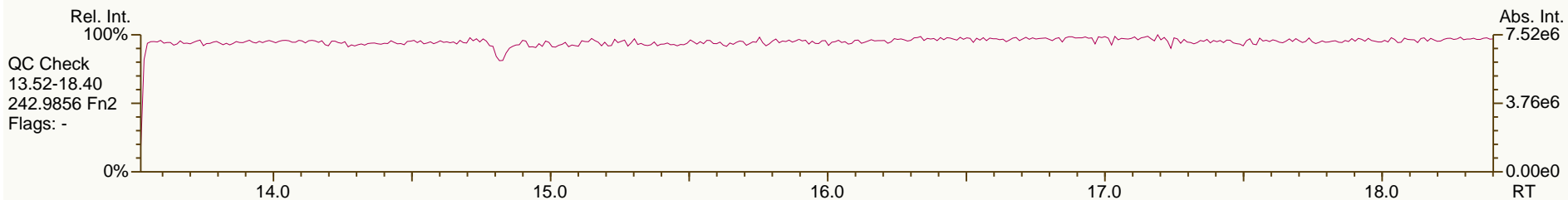
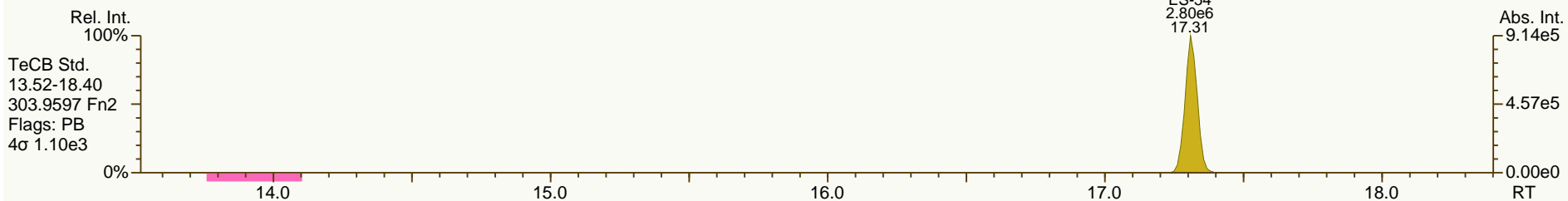
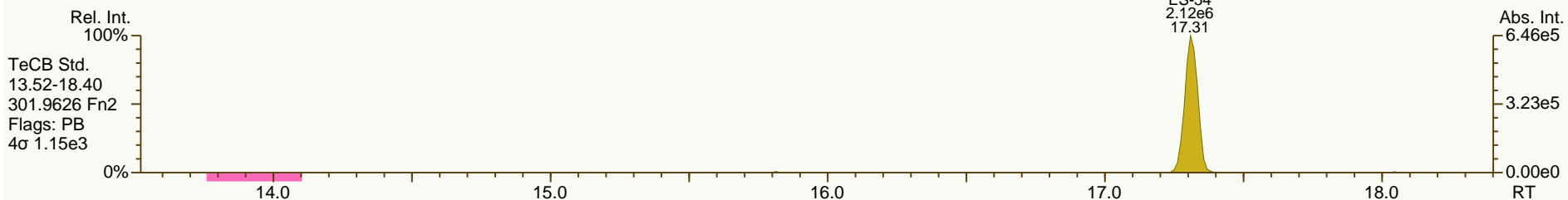
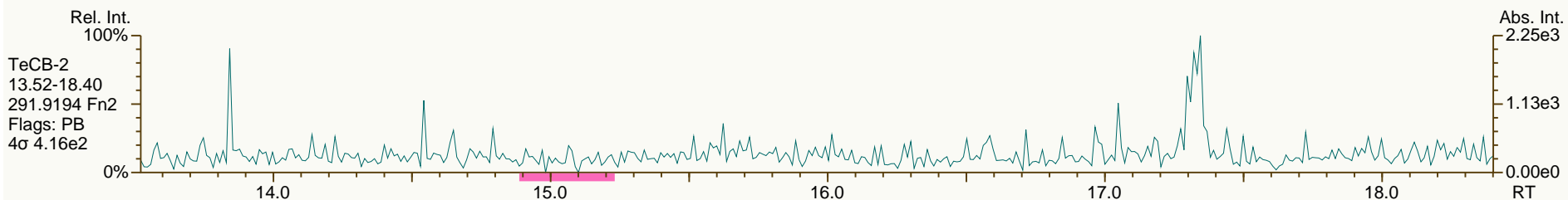
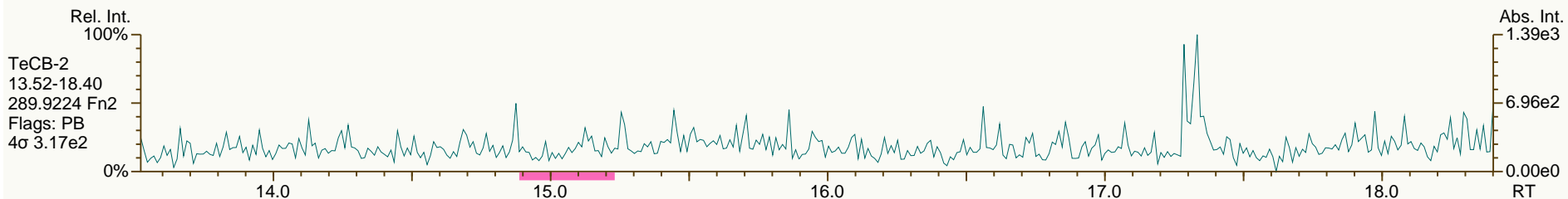
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

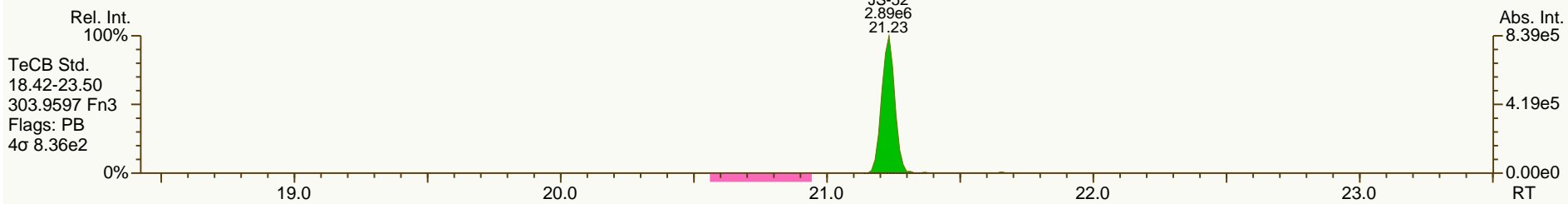
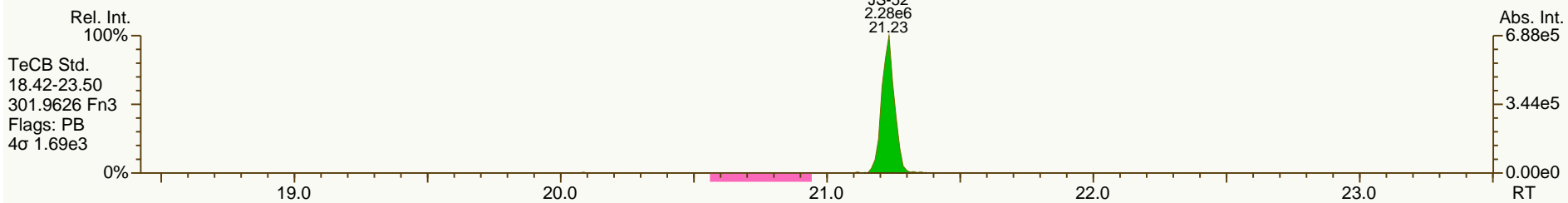
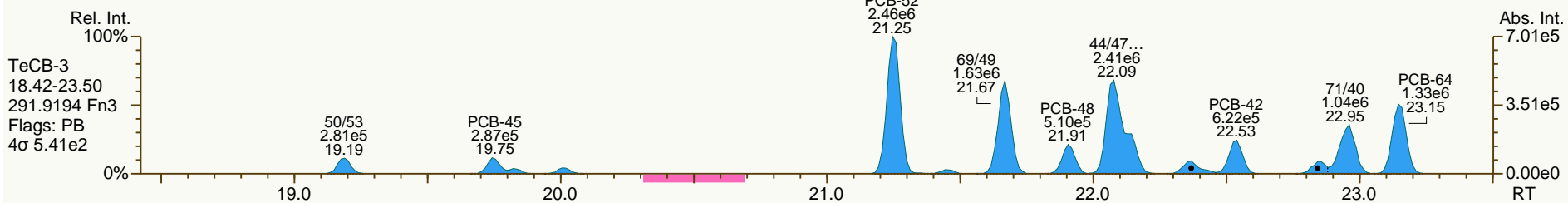
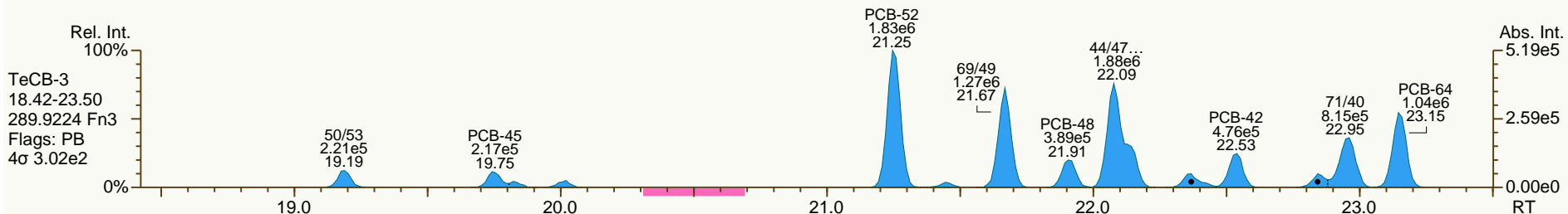
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

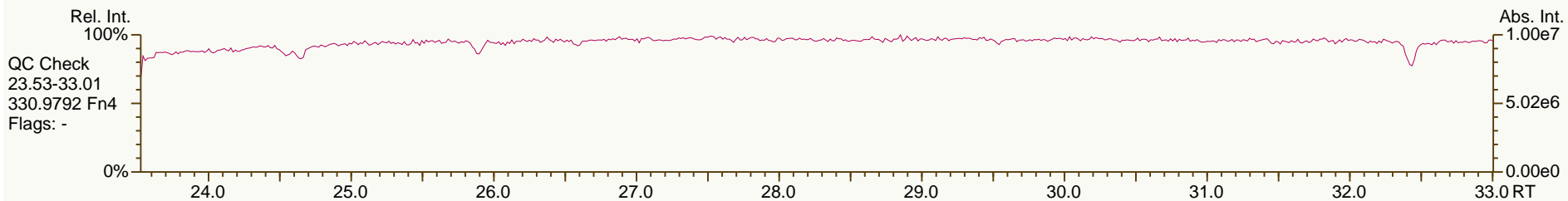
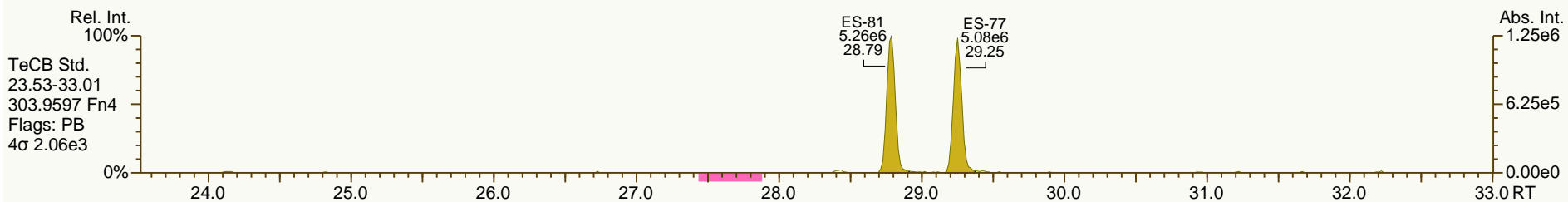
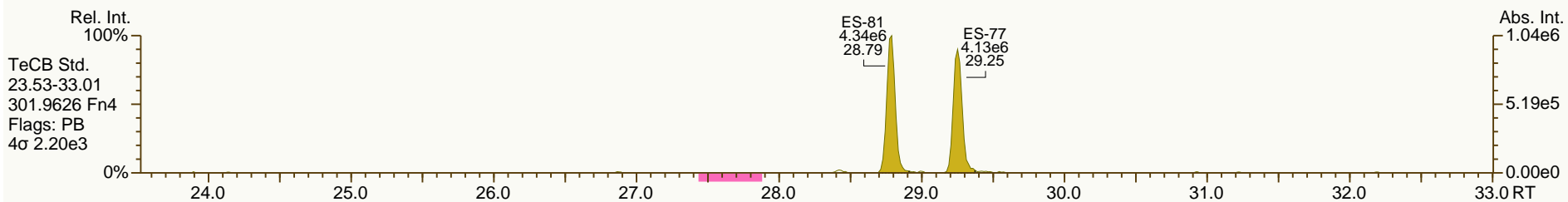
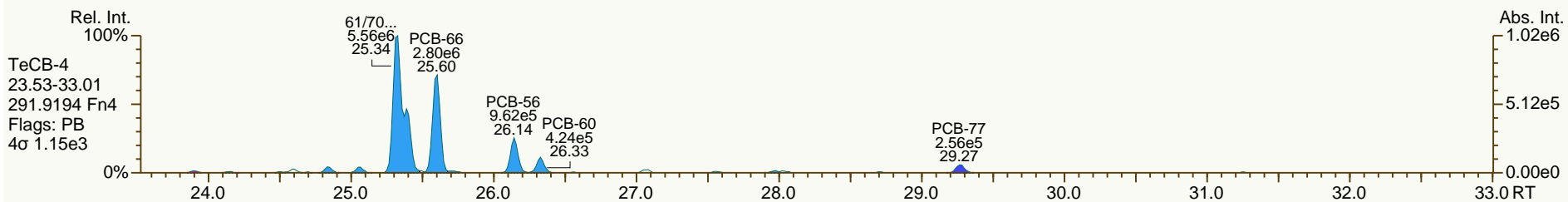
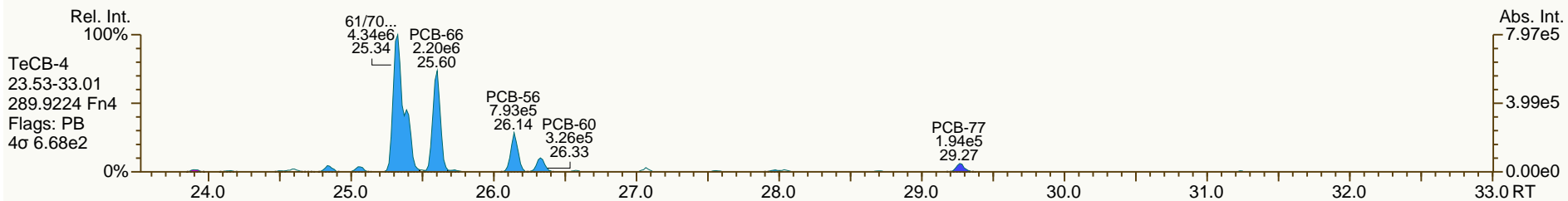
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

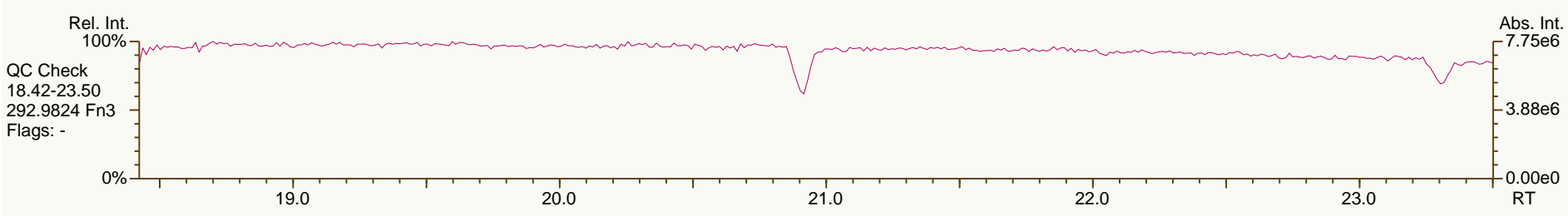
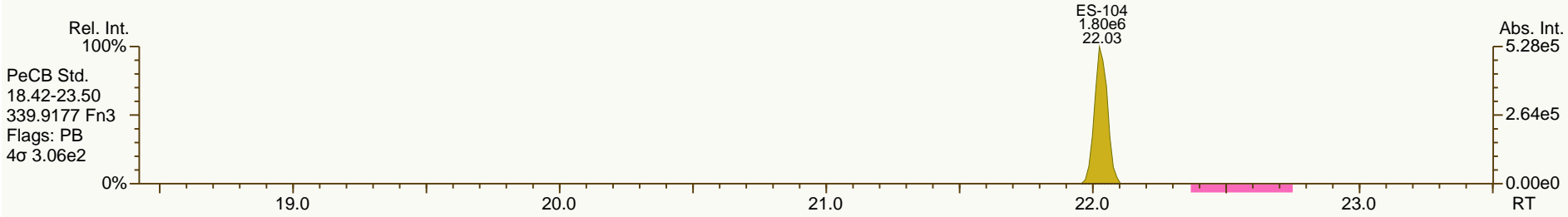
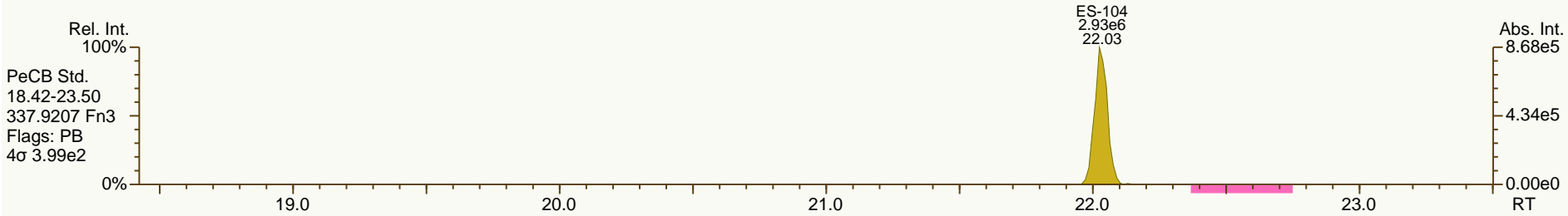
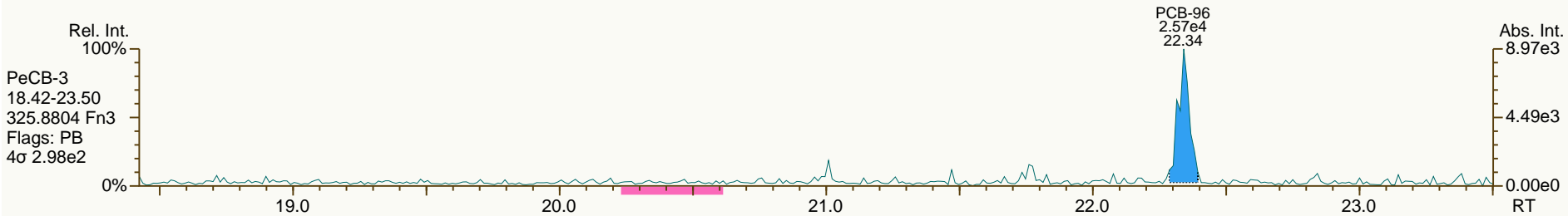
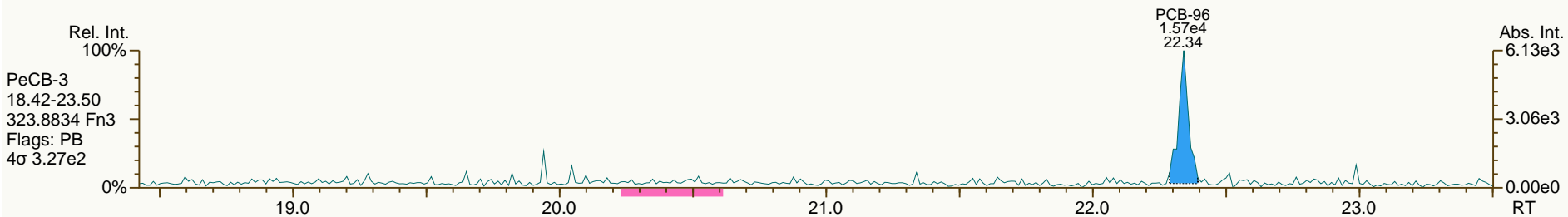
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

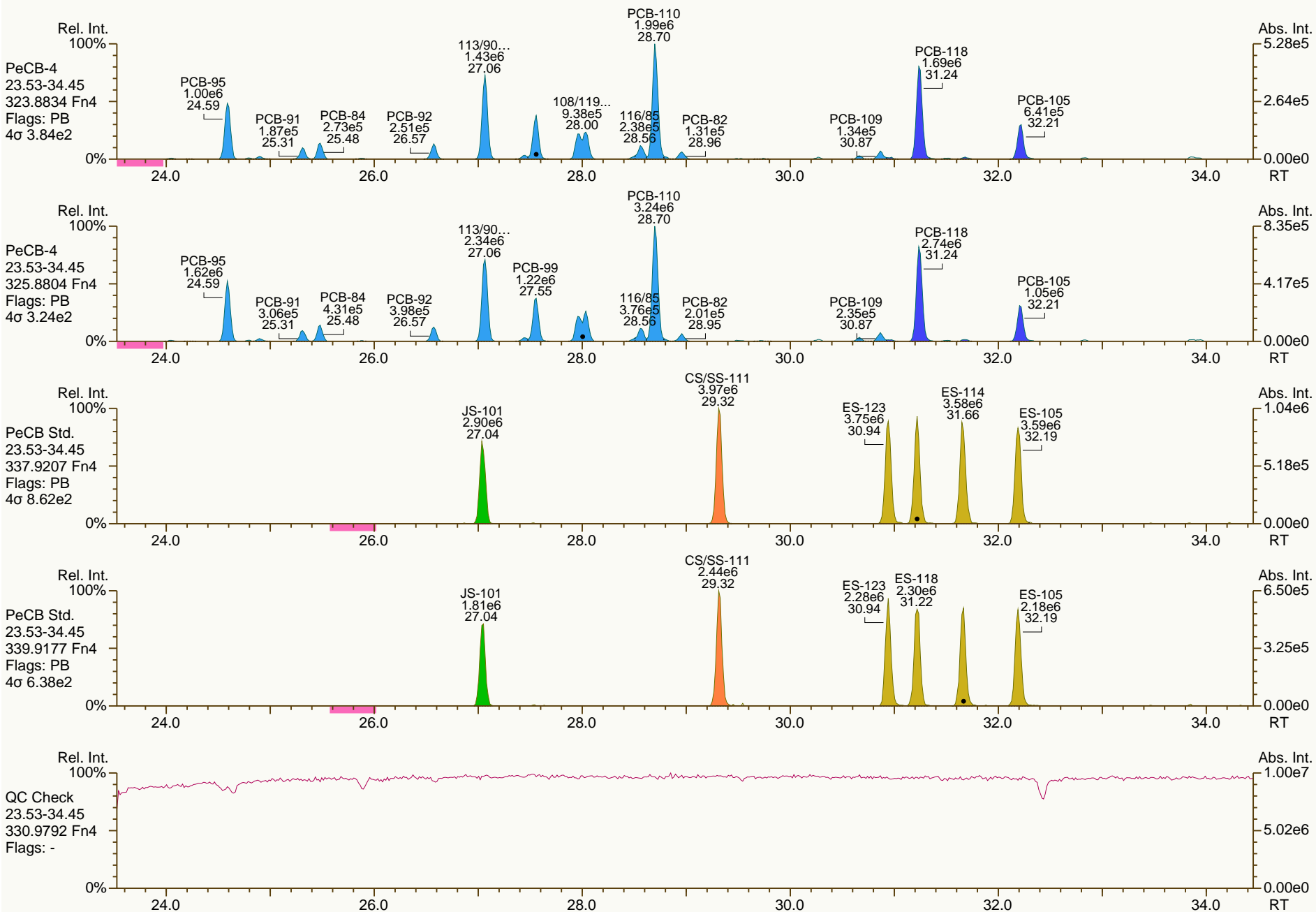
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

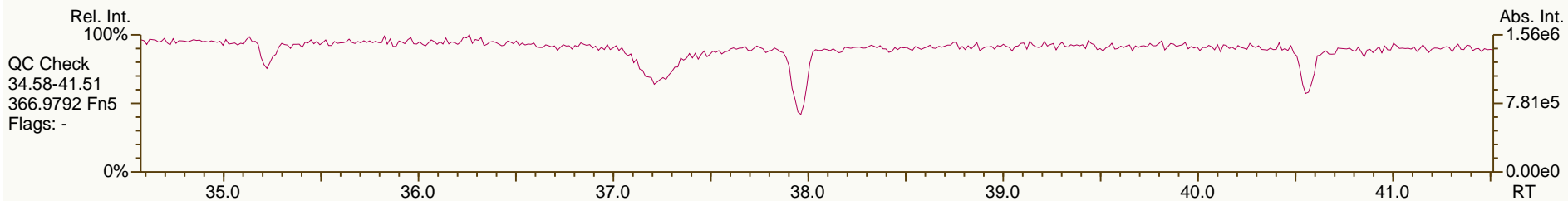
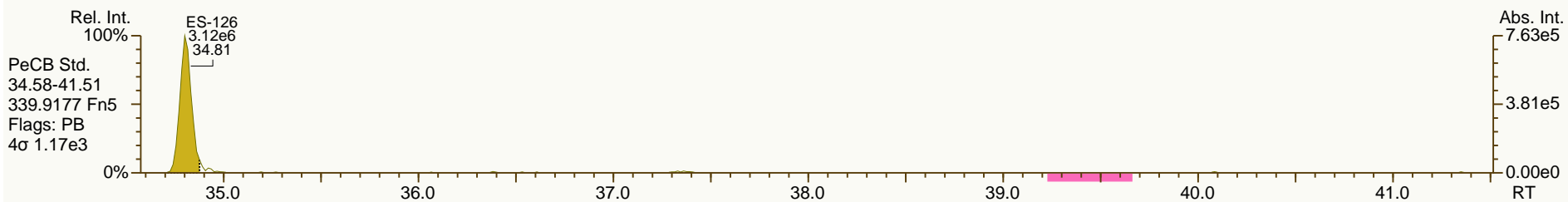
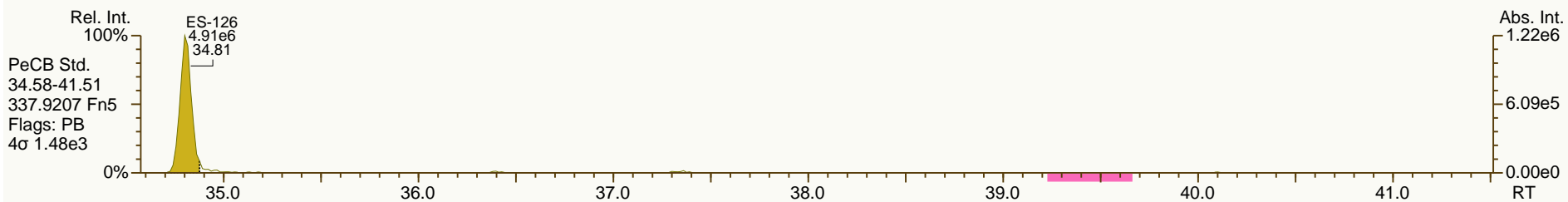
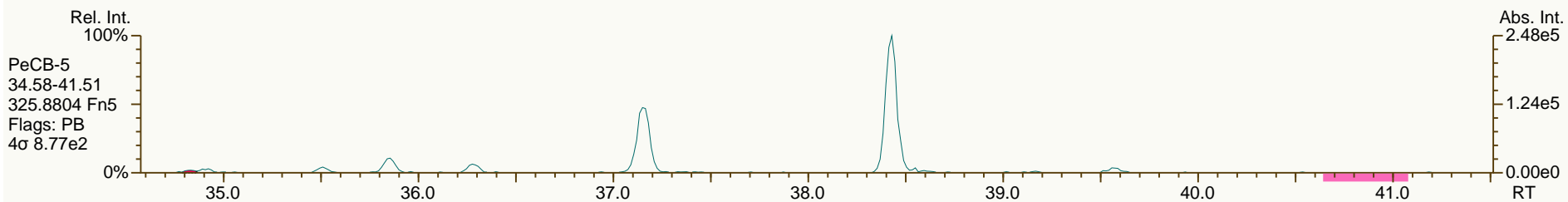
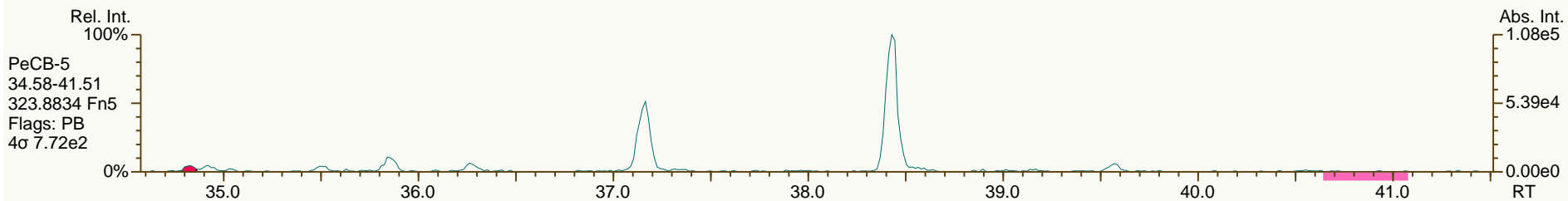
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

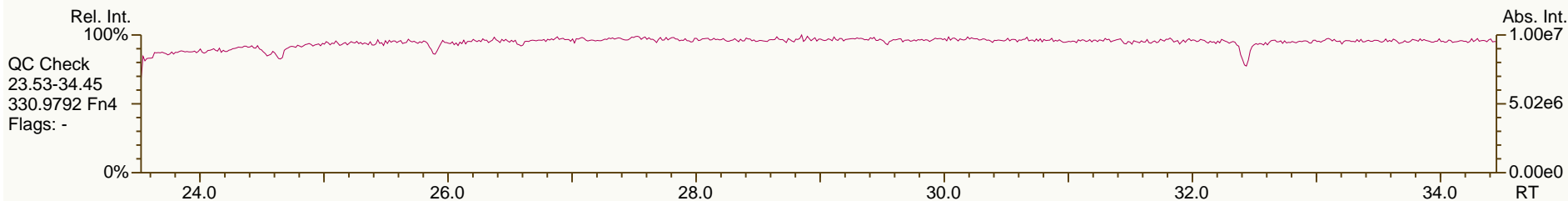
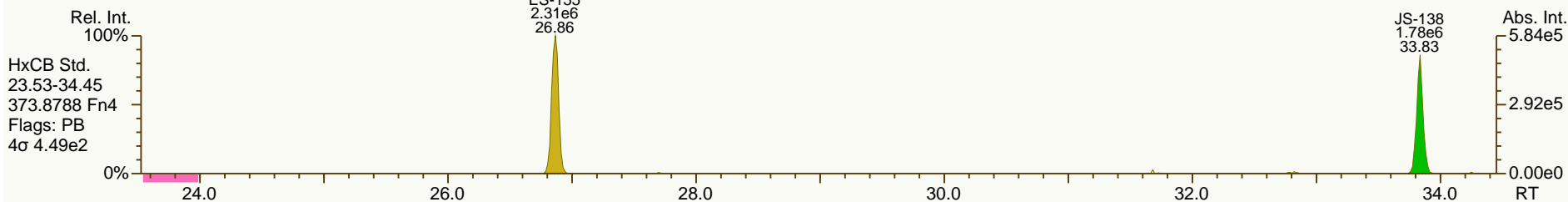
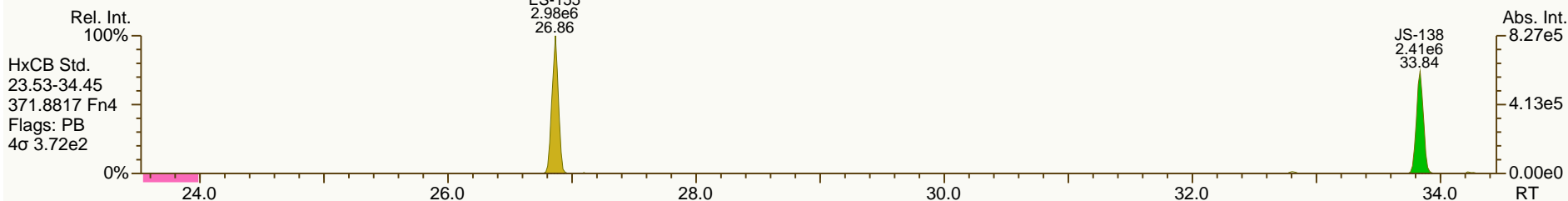
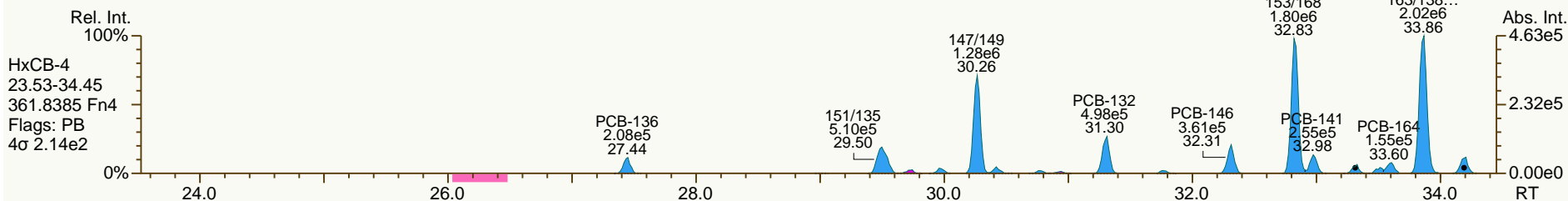
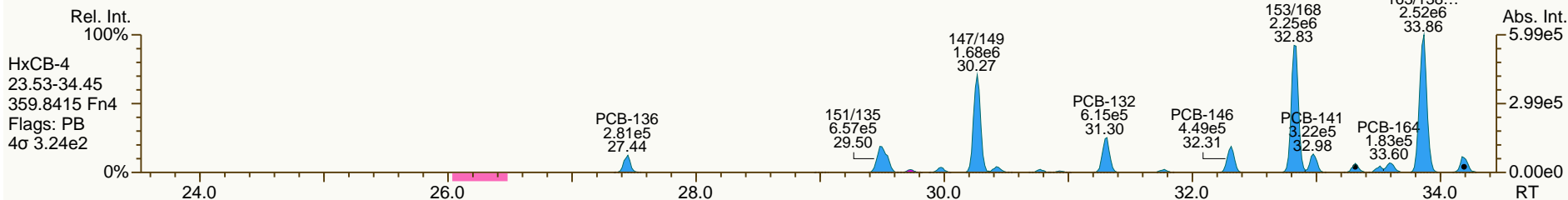
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

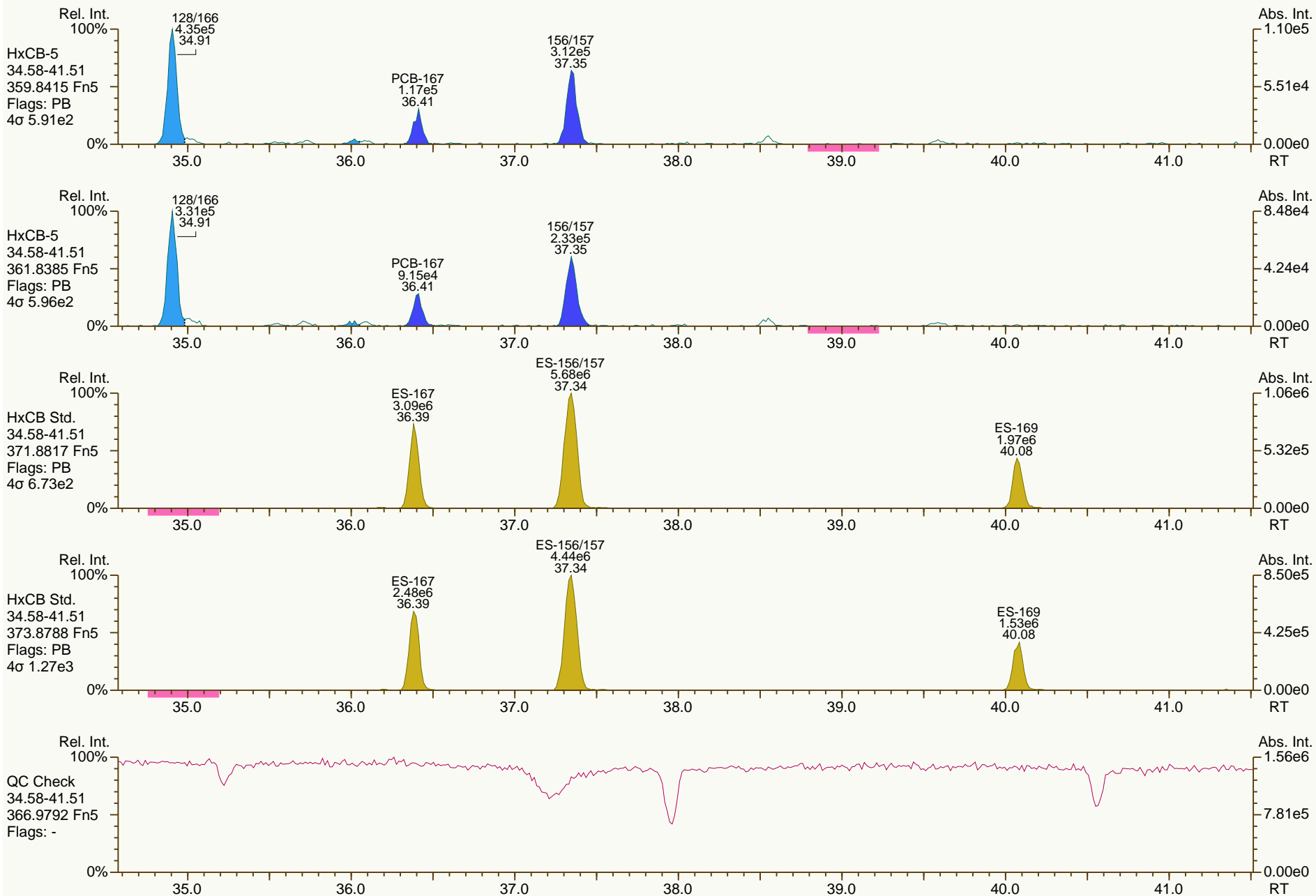
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

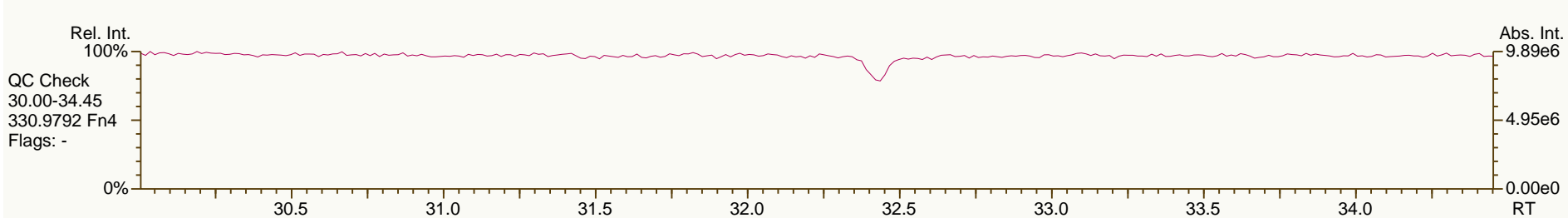
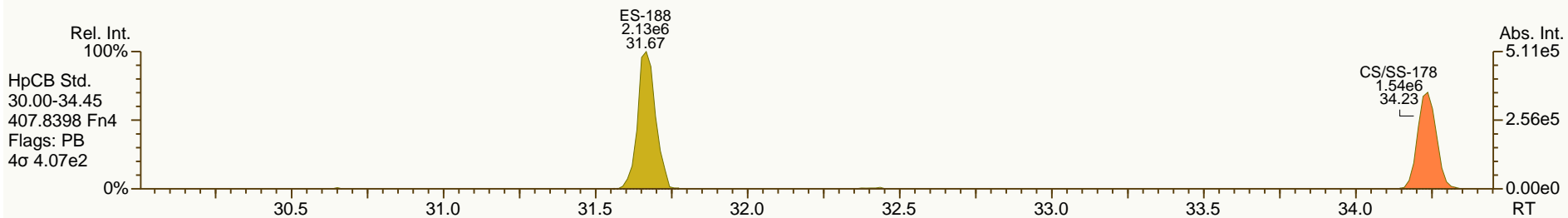
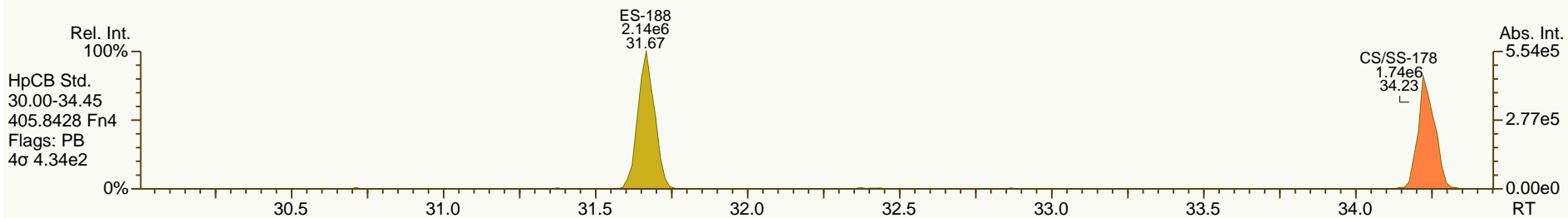
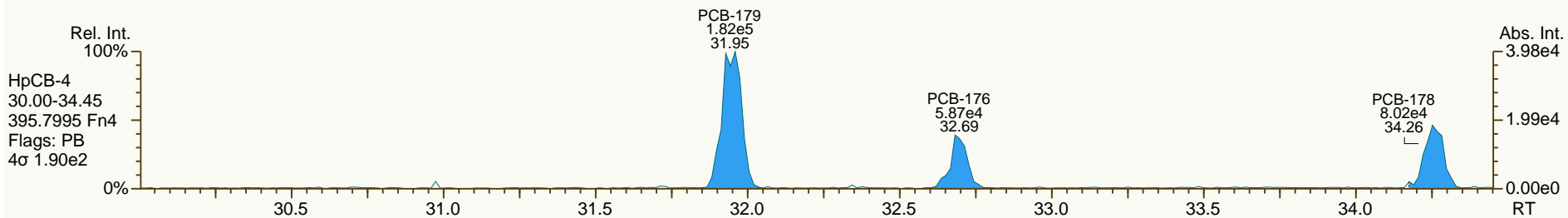
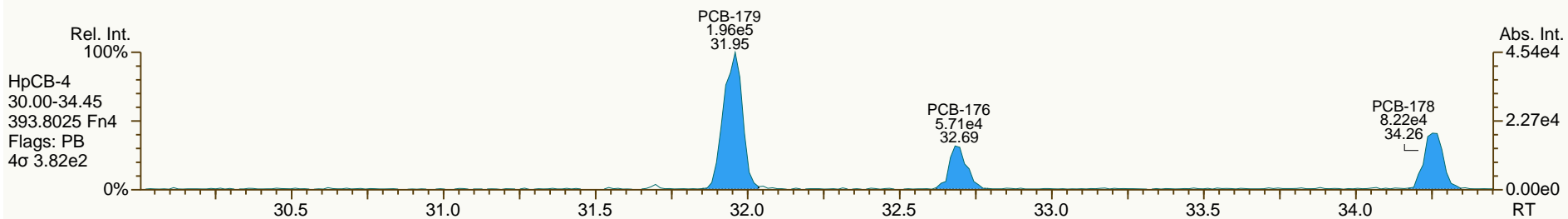
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

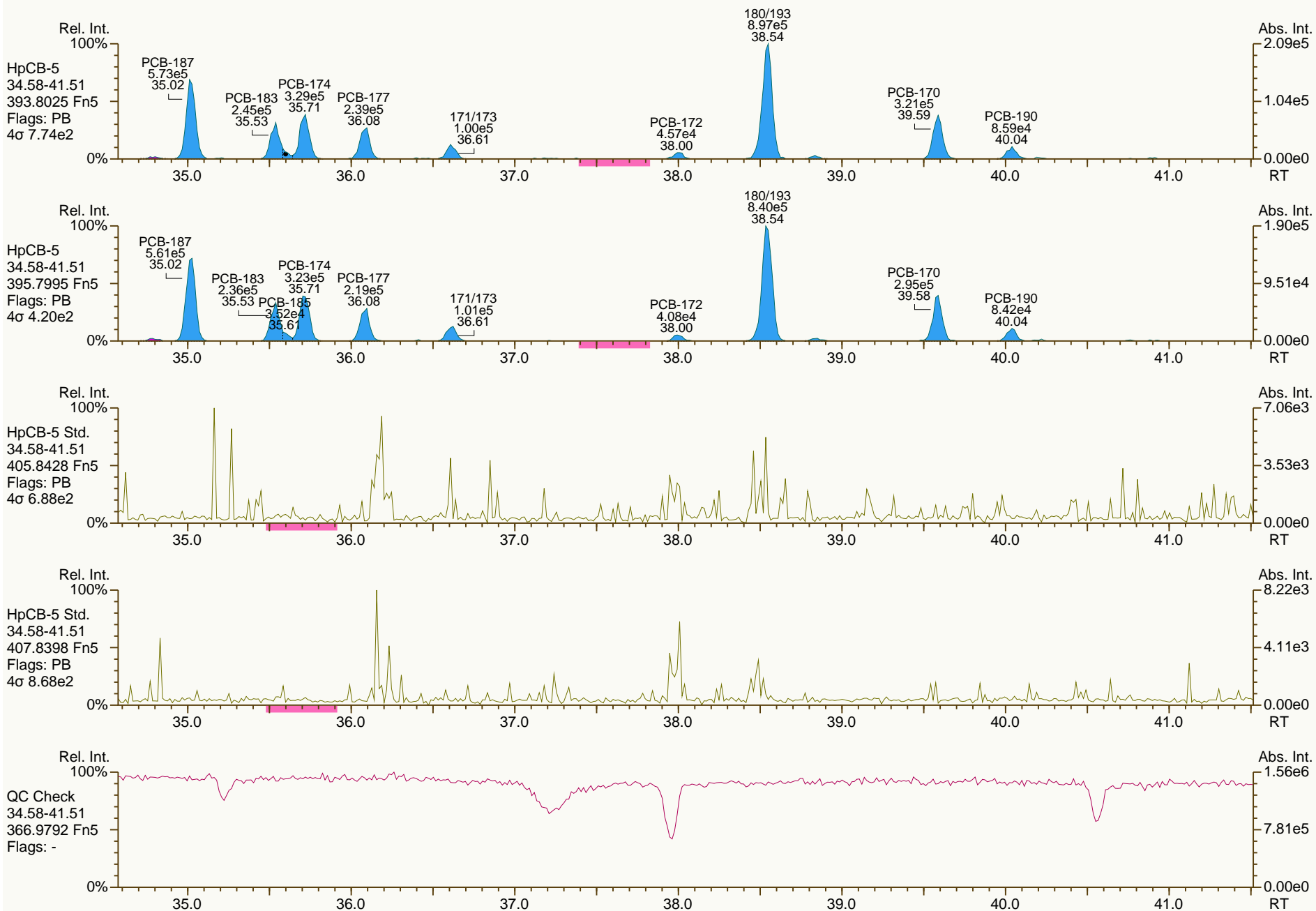
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

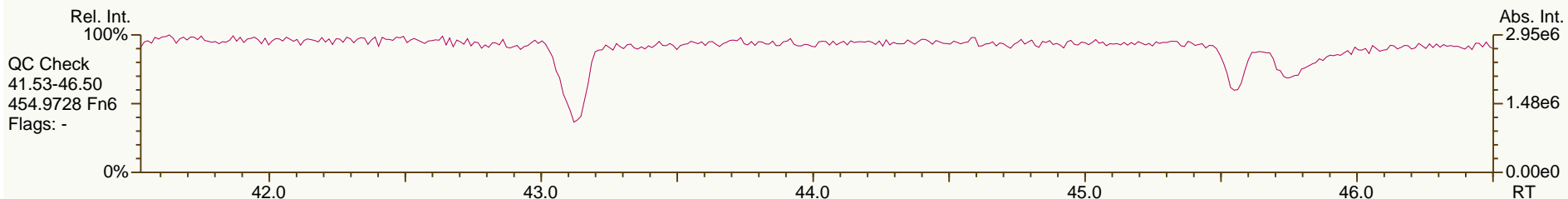
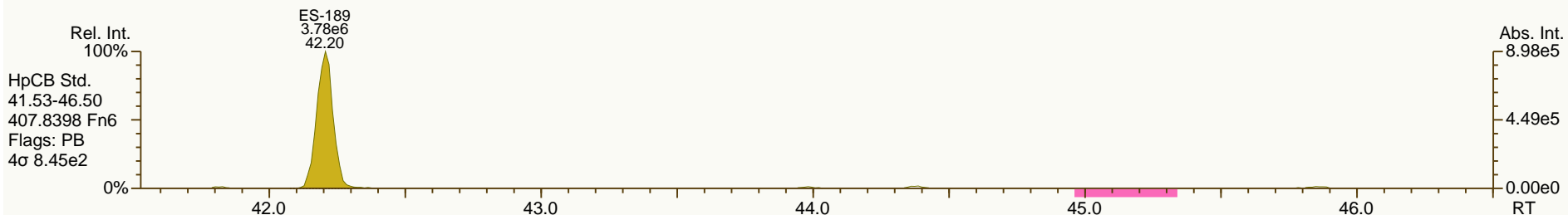
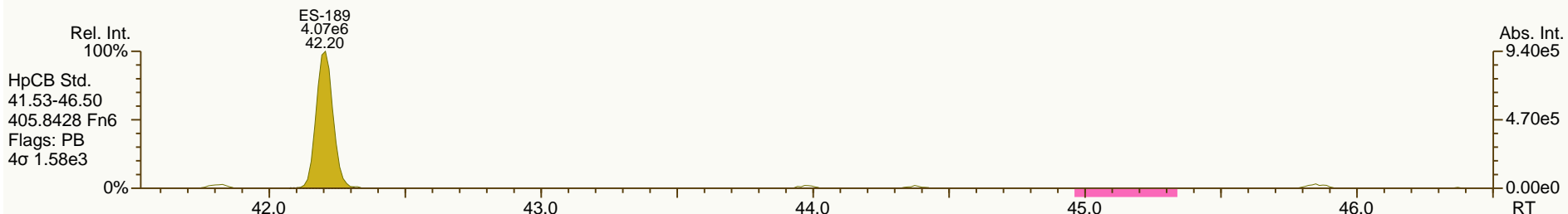
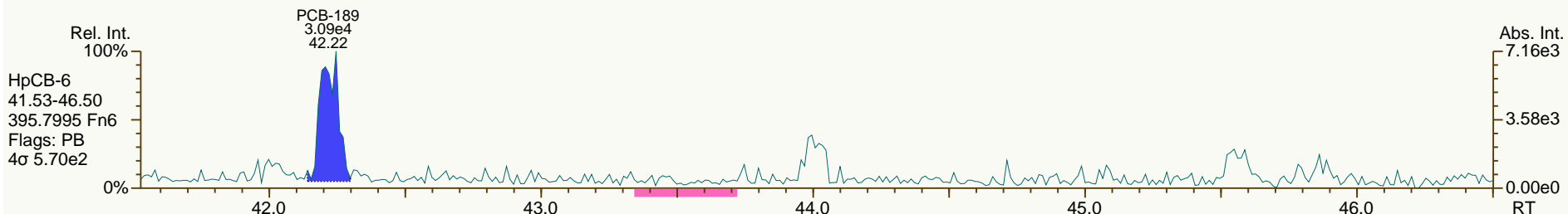
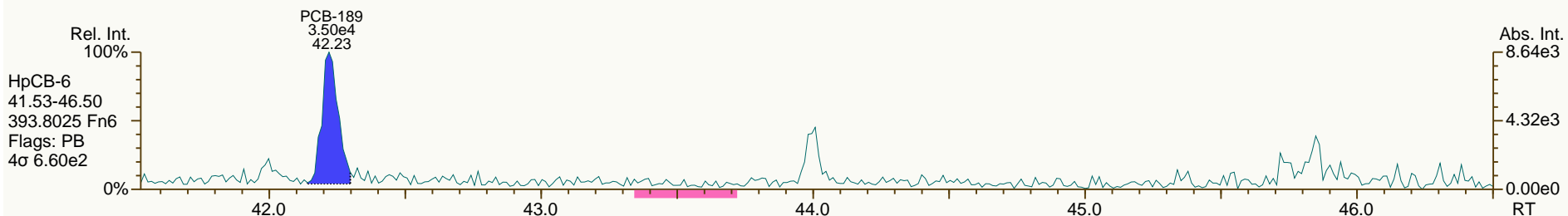
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

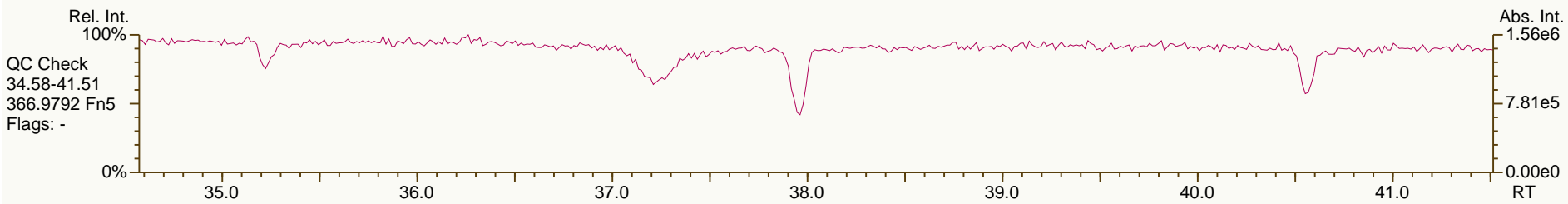
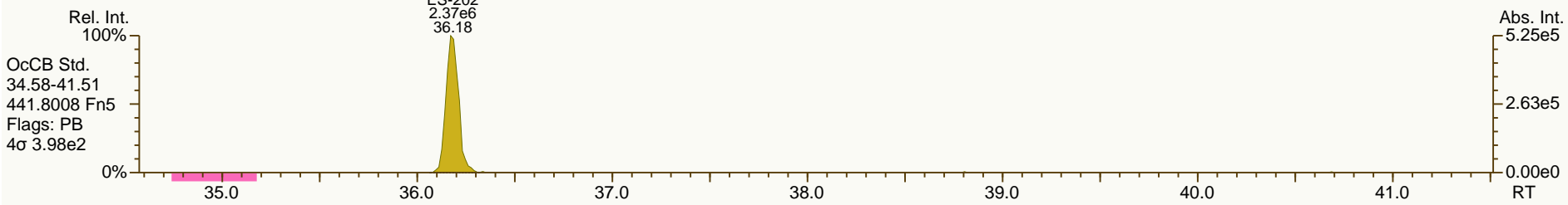
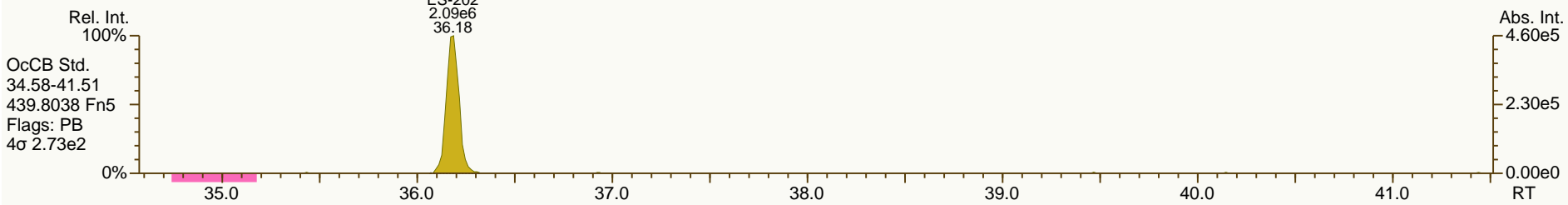
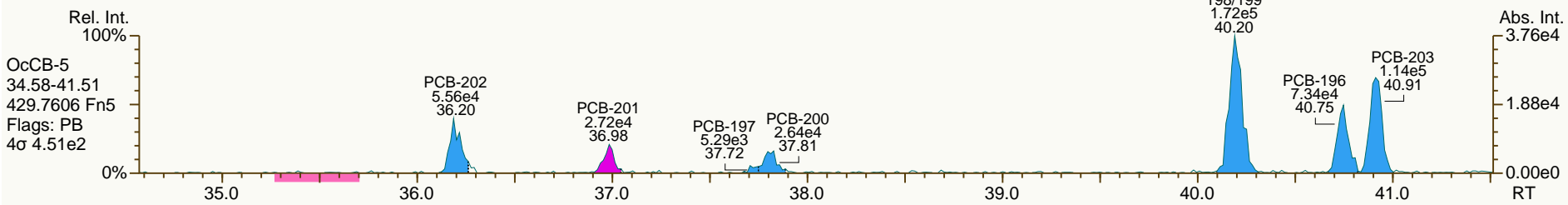
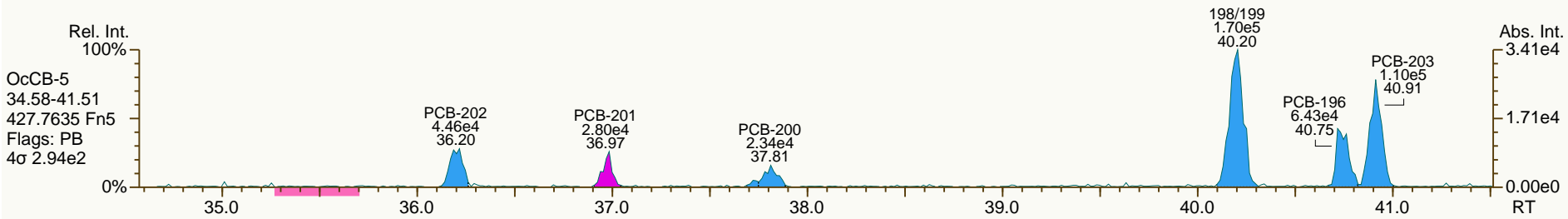
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

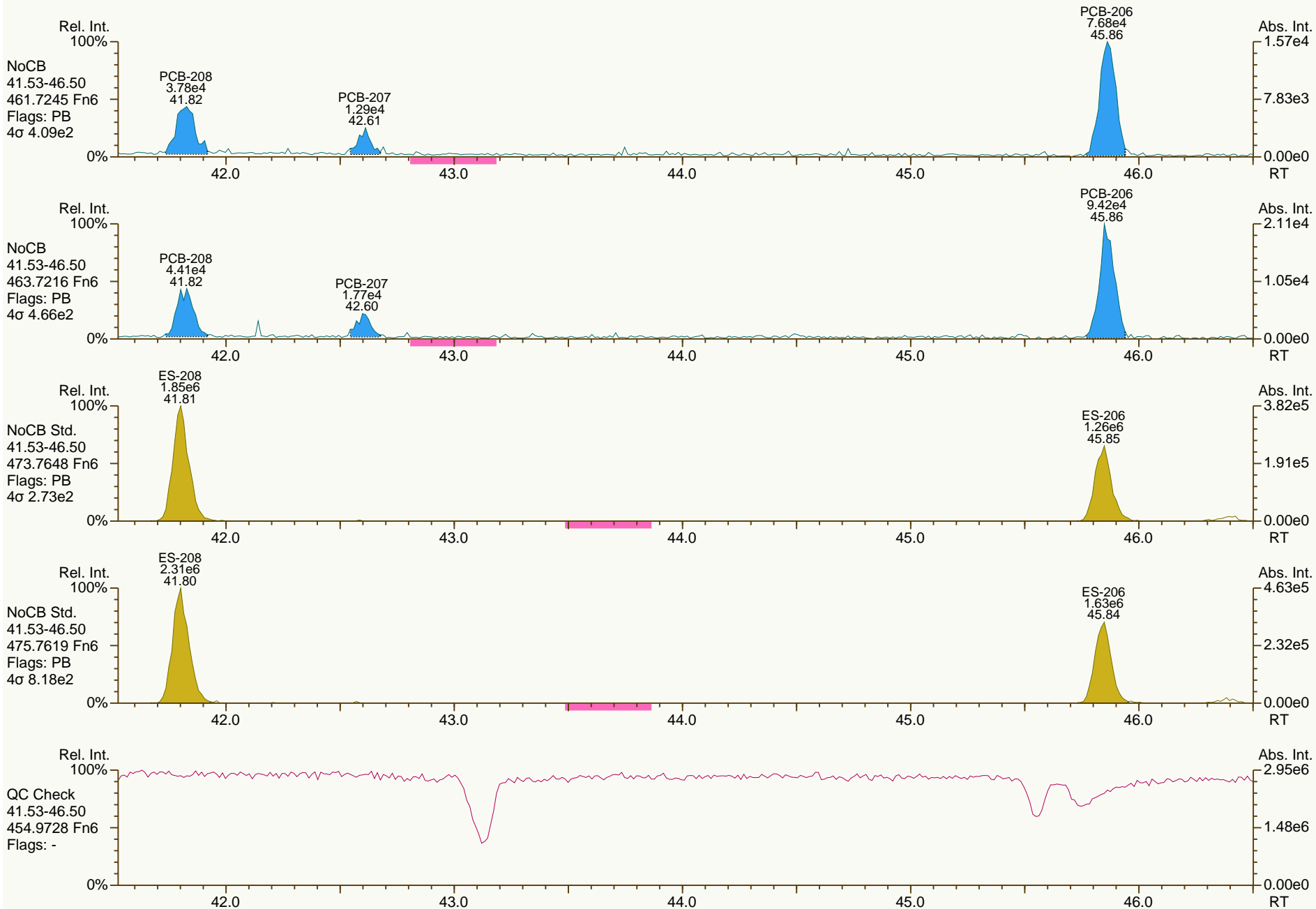
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

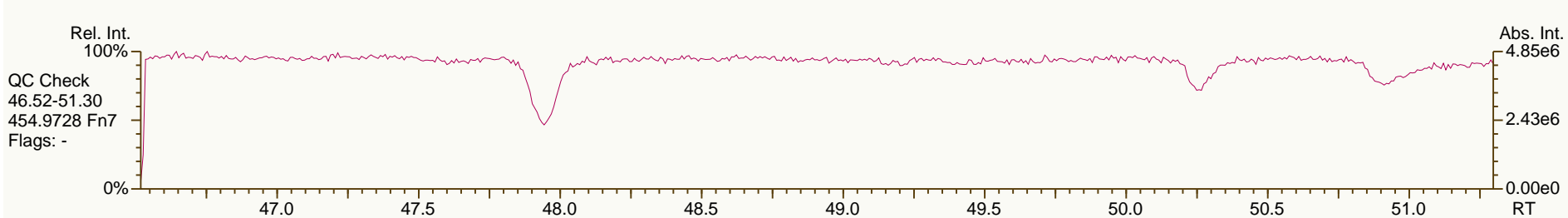
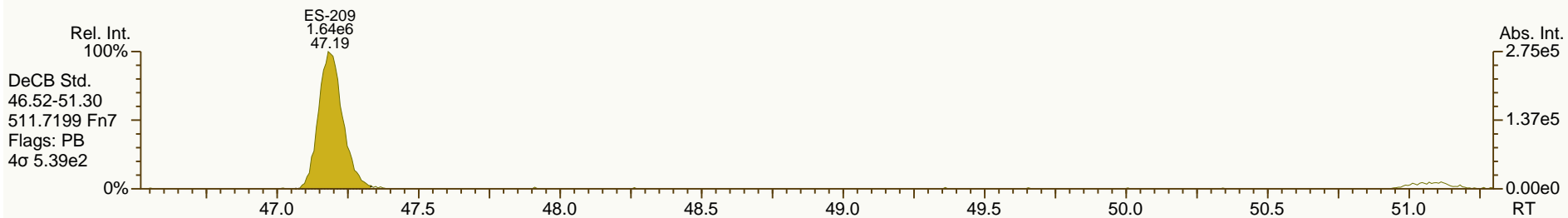
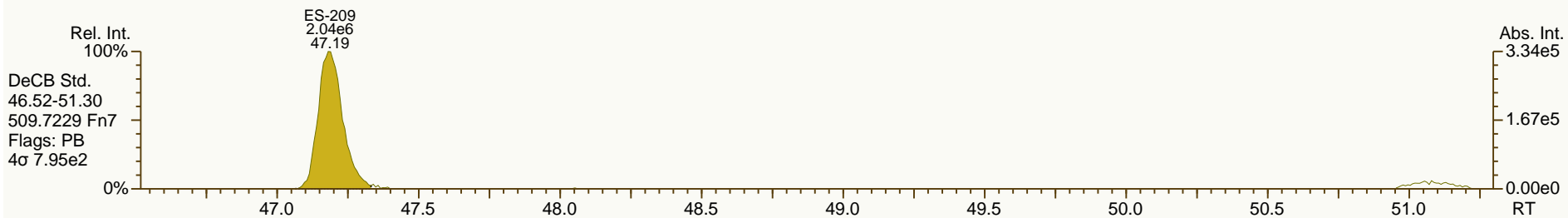
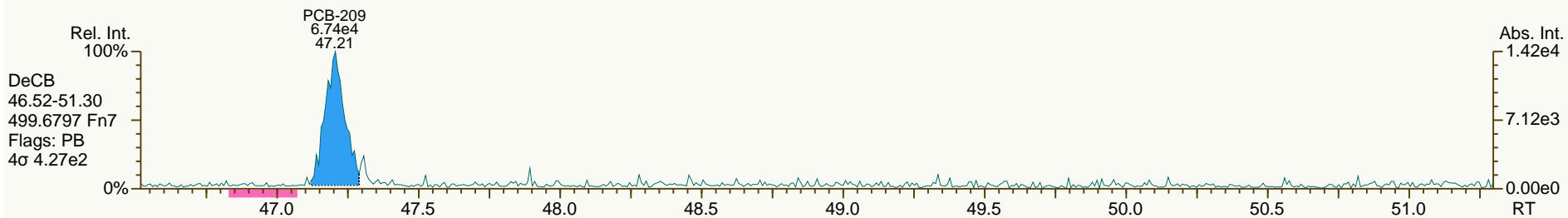
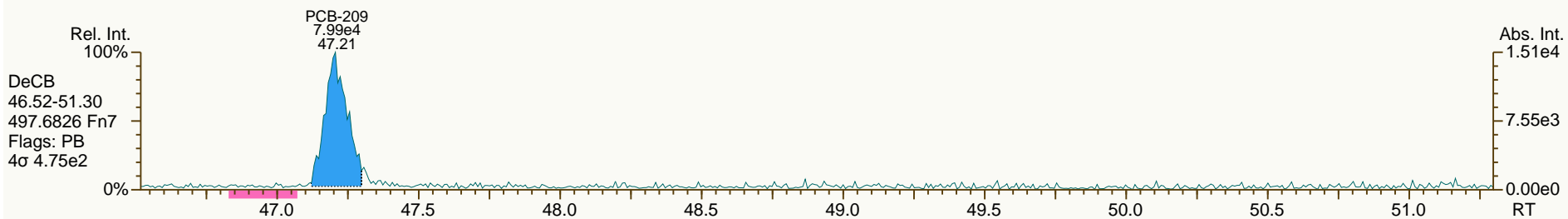
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

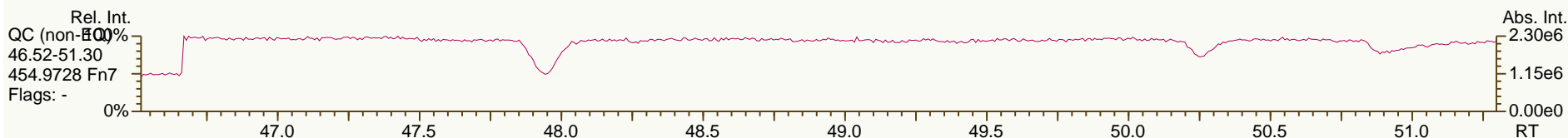
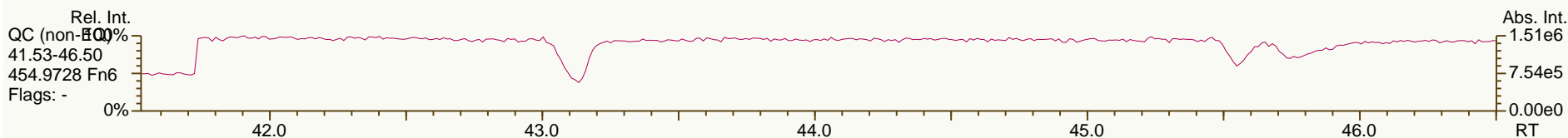
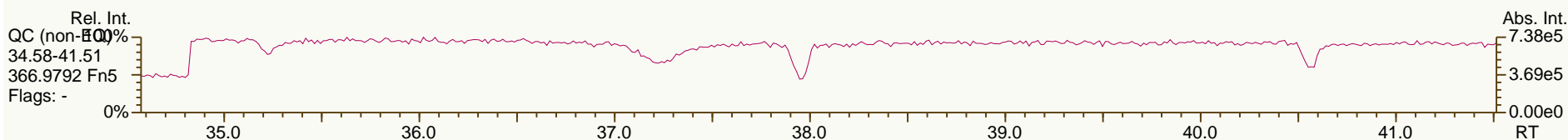
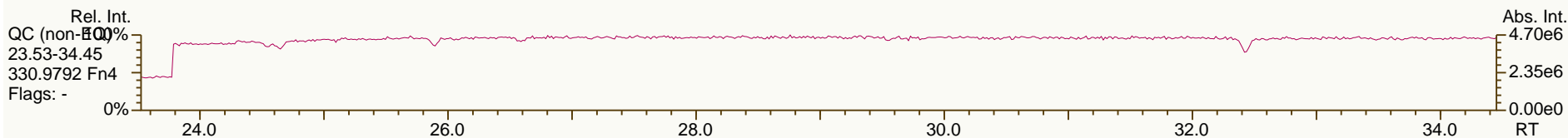
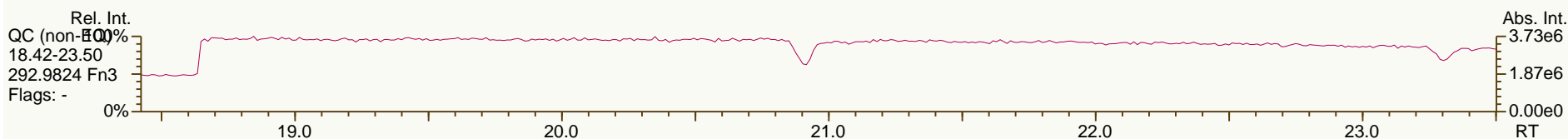
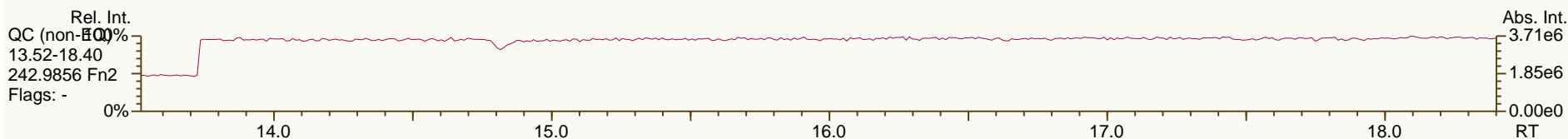
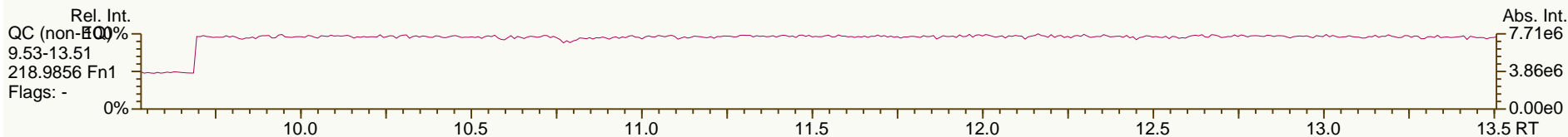
Acq: 05-Jul-2012 22:07:24
 User: LKB Datafile: 120705S12



AP Lab ID: A4371_9893_PCB_006-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

Acq: 05-Jul-2012 22:07:24
User: LKB Datafile: 120705S12



Lab ID: A4371_9893_PCB_007-RJ

ACQ: 05-Jul-2012 23:02:26 LKB Wt/Vol: 9.48 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120705_PCB_SB

Client ID: JW-EA09-COMP-120507

UTP: 09-Jul-2012 14:48 LKB

J-level: 1.05 pg/g Split: 1

Checkcode: 758-718-ZMK

Datafile: 120705S13

RPT: 09-Jul-2012 15:38 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.29		1.0006	1.0007	+0.2	7.65E+06	0.79	1.22	95	5.01E+03	0.637
PCB-81 344'5'-TeCB	28.82		1.0006	1.0006	0	2.74E+05	0.89	1.24	3.23	5.01E+03	0.567
PCB-105 233'44'-PeCB	32.24		1.0007	1.0007	0	4.54E+07	0.63	1.03	1,160	8.94E+02	0.232
PCB-114 2344'5'-PeCB	31.70		1.0007	1.0006	-0.2	2.28E+06	0.62	1.10	55.3	8.94E+02	0.212
PCB-118 23'44'5'-PeCB	31.27		1.0008	1.0007	-0.2	1.10E+08	0.63	1.03	2,610	8.94E+02	0.216
PCB-123 23'44'5'-PeCB	30.99		1.0007	1.0008	+0.2	1.55E+06	0.63	0.93	41.1	8.94E+02	0.237
PCB-126 33'44'5'-PeCB	34.85		1.0005	1.0004	-0.2	3.01E+05	0.65	1.11	4.75	3.08E+03	0.486
PCB-156/157 ...-HxCB	37.38	C	1.0005	1.0002	-0.7	1.40E+07	1.29	1.05	376	2.59E+03	0.953
PCB-167 23'44'55'-HxCB	36.44		1.0006	1.0006	0	4.06E+06	1.23	1.08	103	2.59E+03	0.676
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	2.59E+03	0.885
PCB-189 233'44'55'-HpCB	42.26		1.0005	1.0005	0	7.07E+05	1.02	1.11	12.7	1.74E+03	0.327
PCB-209 DeCB	47.25		1.0004	1.0004	0	7.06E+05	1.16	1.05	28.6	1.10E+03	0.655
ES PCB-1	9.84		0.7181	0.7173	-0.5	9.42E+06	3.31	1.01	47.3 %	4%	100%
ES PCB-3	11.77		0.8583	0.8581	-0.1	1.11E+07	3.27	1.05	53.5 %	11%	106%
ES PCB-4	11.98		0.8732	0.8728	-0.3	5.46E+06	1.64	0.70	39.8 %	14%	107%
ES PCB-15	17.10		1.2453	1.2461	+0.8	1.76E+07	1.71	1.17	76.5 %	19%	107%
ES PCB-19	14.68		1.0698	1.0698	0	6.20E+06	1.06	0.57	55.6 %	1%	108%
ES PCB-37	23.09	V	1.0865	1.0873	+1.1	1.29E+07	1.14	1.41	125 %	25%	123%
ES PCB-54	17.33		0.8157	0.8156	-0.1	7.27E+06	0.78	1.32	74.8 %	13%	105%
ES PCB-77	29.27	V	1.3777	1.3781	+0.7	1.39E+07	0.80	1.22	155 %	31%	109%
ES PCB-81	28.81	V	1.3557	1.3562	+0.9	1.44E+07	0.83	1.15	170 %	14%	127%
ES PCB-104	22.04		0.8147	0.8146	-0.1	6.34E+06	1.57	1.69	55.7 %	36%	115%
ES PCB-105	32.21		1.1906	1.1904	-0.4	8.07E+06	1.61	1.21	99.1 %	50%	111%
ES PCB-114	31.68		1.1709	1.1708	-0.2	7.91E+06	1.69	1.23	95.1 %	41%	121%
ES PCB-118	31.24		1.1547	1.1545	-0.4	8.58E+06	1.61	1.25	102 %	49%	111%
ES PCB-123	30.97		1.1444	1.1443	-0.2	8.57E+06	1.61	1.33	95.7 %	49%	116%
ES PCB-126	34.83	V	1.2871	1.2872	+0.2	1.20E+07	1.68	1.36	131 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.88		0.7939	0.7939	0	7.48E+06	1.26	1.40	100 %	25%	124%
ES PCB-156/157	37.37	V	1.1035	1.1036	+0.2	1.50E+07	1.31	1.13	124 %	40%	120%
ES PCB-167	36.41	V	1.0753	1.0754	+0.2	7.68E+06	1.26	1.13	128 %	45%	118%
ES PCB-169	40.11		1.1842	1.1845	+0.7	6.05E+06	1.32	1.14	99.6 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.69		0.7204	0.7200	-0.8	5.68E+06	1.06	1.34	79.6 %	23%	125%
ES PCB-189	42.24	V	0.9598	0.9597	-0.3	1.06E+07	1.10	1.77	125 %	47%	116%
ES PCB-202	36.21		0.8230	0.8226	-0.9	5.89E+06	0.87	1.27	87.1 %	31%	134%
ES PCB-205	44.41		1.0090	1.0090	0	6.44E+06	0.93	1.25	108 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.89		1.0424	1.0426	+0.6	4.50E+06	0.80	1.07	88.1 %	38%	122%
ES PCB-208	41.83		0.9508	0.9505	-0.8	5.49E+06	0.78	1.34	85.7 %	31%	126%
ES PCB-209	47.23		1.0732	1.0731	-0.3	4.97E+06	1.20	1.18	87.7 %	43%	115%
CS/SS PCB-28	19.69		0.9269	0.9268	-0.1	1.48E+07	1.11	0.98	117 %	14%	131%
CS/SS PCB-111	29.34	V	1.0843	1.0842	-0.2	9.15E+06	1.63	0.90	119 %	57%	112%
CS/SS PCB-178	34.26		1.0118	1.0118	0	4.20E+06	1.11	0.65	114 %	57%	125%
CS PCB-28	19.69	V	0.9269	0.9268	-0.1	1.48E+07	1.11	1.39	146 %	14%	131%
CS PCB-111	29.34	V	1.0843	1.0842	-0.2	9.15E+06	1.63	1.19	114 %	57%	112%
CS PCB-178	34.26		1.0118	1.0118	0	4.20E+06	1.11	0.87	90.9 %	57%	125%
JS PCB-9	13.72					1.97E+07	1.66				
JS PCB-52	21.24					7.34E+06	0.81				
JS PCB-101	27.06					6.75E+06	1.67				
JS PCB-138	33.86					5.32E+06	1.28				
JS PCB-194	44.01					4.79E+06	0.91				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	105	105	0.212		
						Di-CBs	709	713	1.73		
						Tri-CBs	2,390	2,390	0.839		
						Tetra-CBs	7,870	7,870	0.354		
						Penta-CBs	18,400	18,400	0.263		
						Hexa-CBs	10,500	10,500	0.659		
						Hepta-CBs	2,010	2,040	0.449		
						Octa-CBs	592	592	0.398		
						Nona-CBs	115	115	0.577		
PCB-1 2-MoCB	9.85		1.0011	1.0011	0	2.03E+06	3.34	1.20	38	2.15E+03	0.195
PCB-2 3-MoCB	11.63		0.9878	0.9878	0	1.72E+06	3.38	1.39	23.6	2.15E+03	0.185
PCB-3 4-MoCB	11.79		1.0010	1.0010	0	2.60E+06	3.26	1.13	43.9	2.15E+03	0.228
PCB-4 22'-DiCB	11.99		1.0012	1.0012	0	8.85E+05	1.54	0.94	36.2	8.88E+03	2.22
PCB-10 26-DiCB	12.14		1.0142	1.0139	-0.2	7.60E+04	SI	1.56	1.88	2.56E+03	0.386
PCB-9 25-DiCB	13.74		1.0011	1.0011	0	4.20E+05	1.42	0.93	5.4	1.27E+04	1.33
PCB-7 24-DiCB	13.88	EMPC	1.0116	1.0116	0	3.50E+05	1.28	1.10	3.81	1.27E+04	1.13
PCB-6 23'-DiCB	14.08		1.0261	1.0261	0	1.69E+06	1.48	1.01	20.1	1.27E+04	1.23
PCB-5 23-DiCB	14.34		1.0451	1.0453	+0.2	1.87E+05	SI	1.02	2.2	5.11E+03	0.491
PCB-8 24'-DiCB	14.45		1.0533	1.0534	+0.1	9.82E+06	1.55	1.05	112	1.27E+04	1.18
PCB-14 35-DiCB	15.87		0.9287	0.9284	-0.3	1.20E+05	SI	1.20	1.19	5.11E+03	0.415
PCB-11 33'-DiCB	16.58		0.9701	0.9698	-0.3	3.45E+07	1.56	1.04	398	1.27E+04	1.2
PCB-13/12 34'/34-DiCB	16.84	C	0.9855	0.9849	-0.6	1.69E+06	1.51	1.03	19.5	1.27E+04	1.2
PCB-15 44'-DiCB	17.11		1.0008	1.0008	0	9.43E+06	1.56	1.01	112	1.27E+04	1.23

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.69		1.0011	1.0011	0	4.89E+05	1.05	1.01	16.4	2.77E+03	0.652
PCB-30/18 246/22'5-TrCB	16.32	C	1.1110	1.1115	+0.5	9.62E+06	1.05	1.32	248	2.77E+03	0.499
PCB-17 22'4-TrCB	16.67		1.1357	1.1359	+0.2	3.56E+06	1.03	1.12	108	2.77E+03	0.586
PCB-27 23'6-TrCB	16.85		1.1479	1.1482	+0.3	8.17E+05	1.06	1.46	19	2.77E+03	0.452
PCB-24 236-TrCB	16.97	EMPC	1.1558	1.1558	0	9.30E+04	1.20	1.48	2.13	2.77E+03	0.444
PCB-16 22'3-TrCB	17.05		1.1612	1.1618	+0.6	2.68E+06	1.05	0.87	104	2.77E+03	0.755
PCB-32 24'6-TrCB	17.51		1.1923	1.1926	+0.3	3.94E+06	1.04	1.56	86.2	2.77E+03	0.423
PCB-34 23'5'-TrCB	18.60		0.8061	0.8054	-0.8	2.34E+05	1.10	1.37	2.8	7.93E+03	0.901
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	7.93E+03	0.858
PCB-26/29 23'5/245-TrCB	18.98	C	0.8236	0.8220	-1.8	6.09E+06	1.07	1.43	69.5	7.93E+03	0.86
PCB-25 23'4-TrCB	19.19		0.8315	0.8308	-0.8	2.84E+06	1.08	1.43	32.4	7.93E+03	0.859
PCB-31 24'5-TrCB	19.45		0.8430	0.8423	-0.8	4.32E+07	1.08	1.49	474	7.93E+03	0.827
PCB-28/20 244'/233'-TrCB	19.71	C	0.8542	0.8532	-1.2	4.99E+07	1.07	1.37	595	7.93E+03	0.898
PCB-21/33 234/23'4'-TrCB	19.90	C	0.8612	0.8617	+0.6	1.96E+07	1.07	1.45	221	7.93E+03	0.851
PCB-22 234'-TrCB	20.23		0.8766	0.8760	-0.7	1.39E+07	1.08	1.29	176	7.93E+03	0.953
PCB-36 33'5-TrCB	21.58		0.9351	0.9346	-0.6	4.94E+05	1.06	1.38	5.85	7.93E+03	0.893
PCB-39 34'5-TrCB	21.91		0.9481	0.9486	+0.7	3.39E+05	1.04	1.43	3.87	7.93E+03	0.861
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	7.93E+03	0.958
PCB-35 33'4-TrCB	22.77		0.9860	0.9858	-0.3	1.43E+06	1.14	1.26	18.5	7.93E+03	0.976
PCB-37 344'-TrCB	23.11		1.0008	1.0008	0	1.53E+07	1.08	1.20	209	7.93E+03	1.03
PCB-54 22'66'-TeCB	17.34	J	1.0010	1.0008	-0.2	2.09E+04	0.66	0.93	0.651	5.74E+02	0.149
PCB-50/53 22'46/22'56'-TeCB	19.20	C	0.9051	0.9038	-1.5	2.63E+06	0.79	0.64	59.9	9.31E+02	0.204
PCB-45 22'36-TeCB	19.76		0.9304	0.9303	-0.1	2.02E+06	0.78	0.57	52.2	9.31E+02	0.23
PCB-51 22'46'-TeCB	19.84		0.9340	0.9340	0	6.40E+05	0.78	0.64	14.7	9.31E+02	0.205
PCB-46 22'36'-TeCB	20.02		0.9429	0.9427	-0.2	7.72E+05	0.81	0.53	21.4	9.31E+02	0.248
PCB-52 22'55'-TeCB	21.26		1.0010	1.0010	0	5.85E+07	0.78	0.62	1,400	9.31E+02	0.213
PCB-73 23'5'6-TeCB	21.37		1.0069	1.0062	-0.9	1.05E+05	0.83	0.82	1.89	9.31E+02	0.161
PCB-43 22'35-TeCB	21.46		1.0106	1.0104	-0.3	6.74E+05	0.82	0.56	17.6	9.31E+02	0.232
PCB-69/49 23'46/22'45'-TeCB	21.68	C	1.0198	1.0207	+1.2	2.22E+07	0.79	0.77	423	9.31E+02	0.17
PCB-48 22'45-TeCB	21.92		1.0319	1.0321	+0.3	4.05E+06	0.79	0.65	90.9	9.31E+02	0.2
PCB-44/47/65 ...-TeCB	22.10	C	1.0416	1.0406	-1.3	3.49E+07	0.79	0.69	740	9.31E+02	0.19
PCB-59/62/75 ...-TeCB	22.39	C	1.0541	1.0541	0	2.26E+06	0.79	0.87	38.3	9.31E+02	0.151
PCB-42 22'34'-TeCB	22.55		1.0612	1.0616	+0.5	5.95E+06	0.79	0.63	140	9.31E+02	0.209
PCB-41 22'34-TeCB	22.86		1.0759	1.0762	+0.4	1.49E+06	0.77	0.55	39.5	9.31E+02	0.237
PCB-71/40 23'4'6/22'33'-TeCB	22.97	C	1.0806	1.0813	+1.0	1.27E+07	0.78	0.67	279	9.31E+02	0.195
PCB-64 234'6-TeCB	23.16		1.0899	1.0905	+0.8	1.70E+07	0.78	0.94	265	9.31E+02	0.139
PCB-72 23'55'-TeCB	23.92		0.8295	0.8304	+1.3	9.11E+05	0.77	1.11	12	5.01E+03	0.635
PCB-68 23'45'-TeCB	24.17		0.8379	0.8390	+1.6	5.02E+05	0.72	1.21	6.11	5.01E+03	0.585
PCB-57 233'5-TeCB	24.52		0.8501	0.8511	+1.5	1.98E+05	0.81	1.09	2.67	5.01E+03	0.648
PCB-58 233'5'-TeCB	24.71		0.8568	0.8579	+1.6	2.74E+05	0.82	1.10	3.67	5.01E+03	0.643
PCB-67 23'45-TeCB	24.87		0.8620	0.8632	+1.8	1.70E+06	0.80	1.14	22	5.01E+03	0.621
PCB-63 234'5-TeCB	25.08		0.8697	0.8706	+1.4	2.96E+06	0.78	1.20	36.2	5.01E+03	0.589
PCB-61/70/74/76 ...-TeCB	25.36	C	0.8792	0.8804	+1.8	1.80E+08	0.79	1.14	2,310	5.01E+03	0.619
PCB-66 23'44'-TeCB	25.62		0.8888	0.8893	+0.8	7.76E+07	0.79	1.06	1,070	5.01E+03	0.664
PCB-55 233'4-TeCB	25.74		0.8932	0.8935	+0.5	1.23E+06	0.76	1.14	15.8	5.01E+03	0.62

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.16		0.9080	0.9083	+0.5	3.34E+07	0.79	1.06	462	5.01E+03	0.664
PCB-60 2344'-TeCB	26.35		0.9144	0.9146	+0.3	1.80E+07	0.79	1.14	232	5.01E+03	0.618
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	5.01E+03	0.574
PCB-79 33'45'-TeCB	27.99		0.9718	0.9715	-0.5	1.61E+06	0.74	1.22	19.4	5.01E+03	0.578
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.05	ND	5.01E+03	0.673
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	6.05E+02	0.197
PCB-96 22'366'-PeCB	22.35		1.0141	1.0141	0	3.14E+05	0.59	0.92	11.3	6.05E+02	0.196
PCB-103 22'45'6'-PeCB	24.07		0.8883	0.8893	+1.4	3.44E+05	0.64	0.78	10.9	8.94E+02	0.281
PCB-94 22'356'-PeCB	24.24		0.8946	0.8957	+1.6	2.33E+05	0.61	0.68	8.48	8.94E+02	0.324
PCB-95 22'35'6'-PeCB	24.61		0.9082	0.9093	+1.6	5.42E+07	0.63	0.70	1,920	8.94E+02	0.315
PCB-100/93 22'44'6'/22'356'-PeCB	24.81	C	0.9158	0.9167	+1.3	3.55E+05	0.62	0.73	12	8.94E+02	0.301
PCB-102 22'456'-PeCB	24.92		0.9198	0.9209	+1.6	1.76E+06	0.63	0.86	50.6	8.94E+02	0.256
PCB-98 22'34'6'-PeCB	25.00		0.9222	0.9239	+2.6	4.97E+04	0.70	0.67	1.84	8.94E+02	0.33
PCB-88 22'346'-PeCB	25.24		0.9325	0.9327	+0.3	2.91E+04	0.59	0.66	1.08	8.94E+02	0.331
PCB-91 22'34'6'-PeCB	25.33		0.9352	0.9360	+1.2	9.43E+06	0.62	0.82	283	8.94E+02	0.268
PCB-84 22'33'6'-PeCB	25.50		0.9416	0.9422	+0.9	1.77E+07	0.62	0.63	688	8.94E+02	0.347
PCB-89 22'346'-PeCB	25.90		0.9567	0.9570	+0.5	5.79E+05	0.61	0.66	21.7	8.94E+02	0.334
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		0.99	ND	8.94E+02	0.222
PCB-92 22'355'-PeCB	26.59		0.9825	0.9826	+0.2	1.37E+07	0.62	0.70	483	8.94E+02	0.315
PCB-113/90/101 ...-PeCB	27.08	C	0.9999	1.0008	+1.5	9.14E+07	0.63	0.82	2,750	8.94E+02	0.268
PCB-83 22'33'5'-PeCB	27.46		1.0150	1.0148	-0.3	3.59E+06	0.60	0.60	148	8.94E+02	0.369
PCB-99 22'44'5'-PeCB	27.57		1.0190	1.0189	-0.2	4.18E+07	0.62	0.72	1,430	8.94E+02	0.305
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		0.94	ND	8.94E+02	0.233
PCB-108/119/86/97/125...-PeCB	28.02	C	1.0347	1.0356	+1.5	6.66E+07	0.62	0.84	1,950	8.94E+02	0.26
PCB-117 234'56'-PeCB	28.51		1.0539	1.0535	-0.7	1.77E+06	0.60	0.86	50.6	8.94E+02	0.255
PCB-116/85 23456/22'344'-PeCB	28.59	C	1.0566	1.0564	-0.3	1.63E+07	0.62	0.88	455	8.94E+02	0.249
PCB-110 233'4'6'-PeCB	28.72		1.0615	1.0614	-0.2	1.24E+08	0.62	0.87	3,500	8.94E+02	0.252
PCB-115 2344'6'-PeCB	28.82		1.0644	1.0651	+1.2	1.61E+06	0.65	1.00	39.7	8.94E+02	0.22
PCB-82 22'33'4'-PeCB	28.98		1.0711	1.0708	-0.5	8.69E+06	0.62	0.62	344	8.94E+02	0.353
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		0.99	ND	8.94E+02	0.221
PCB-120 23'455'-PeCB	29.75		1.0994	1.0993	-0.2	2.79E+05	0.63	0.98	7.01	8.94E+02	0.224
PCB-107/124 ...-PeCB	30.69	C	0.9909	0.9911	+0.4	3.91E+06	0.63	0.92	104	8.94E+02	0.238
PCB-109 233'46'-PeCB	30.89		0.9976	0.9976	0	7.42E+06	0.61	0.90	202	8.94E+02	0.243
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.92	ND	8.94E+02	0.238
PCB-122 233'4'5'-PeCB	31.54		1.0095	1.0095	0	1.18E+06	0.61	0.94	33.3	8.94E+02	0.246
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.99	ND	8.94E+02	0.241
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	5.17E+02	0.124
PCB-152 22'3566'-HxCB	27.03		1.0055	1.0053	-0.3	6.75E+04	1.40	0.99	1.92	5.17E+02	0.132
PCB-150 22'34'66'-HxCB	27.18	EMPC	1.0112	1.0112	0	6.45E+04	1.44	1.01	1.81	5.17E+02	0.13
PCB-136 22'33'66'-HxCB	27.46		1.0216	1.0216	0	8.17E+06	1.30	0.92	252	5.17E+02	0.143
PCB-145 22'3466'-HxCB	27.72	J EMPC	1.0316	1.0312	-0.7	3.32E+04	1.49	0.95	0.986	5.17E+02	0.138
PCB-148 22'34'56'-HxCB	29.03		1.0801	1.0799	-0.3	5.18E+04	1.36	0.73	1.99	5.17E+02	0.178
PCB-151/135 ...-HxCB	29.52	C	1.0986	1.0983	-0.5	1.42E+07	1.30	0.72	561	5.17E+02	0.183
PCB-154 22'44'56'-HxCB	29.75		1.1067	1.1066	-0.2	5.59E+05	1.31	0.81	19.6	5.17E+02	0.162
PCB-144 22'345'6'-HxCB	29.99		1.1158	1.1157	-0.2	2.28E+06	1.31	0.74	87.6	5.17E+02	0.178

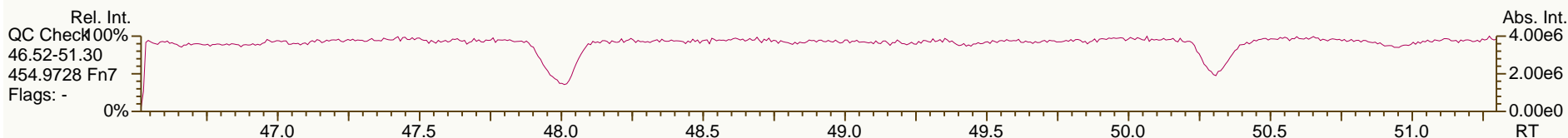
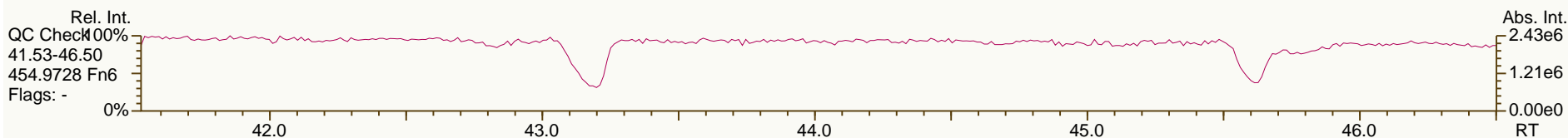
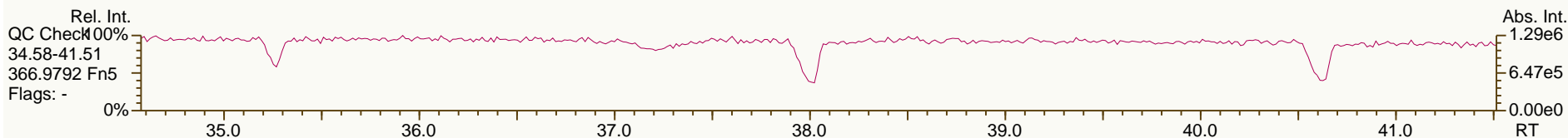
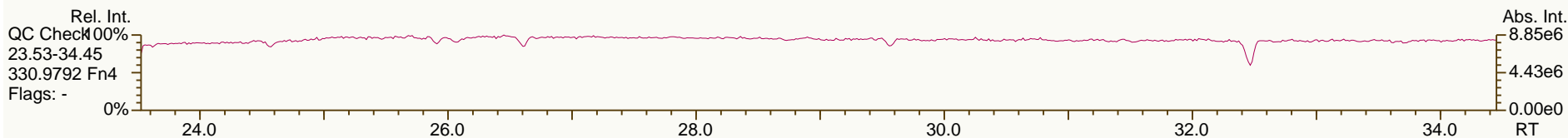
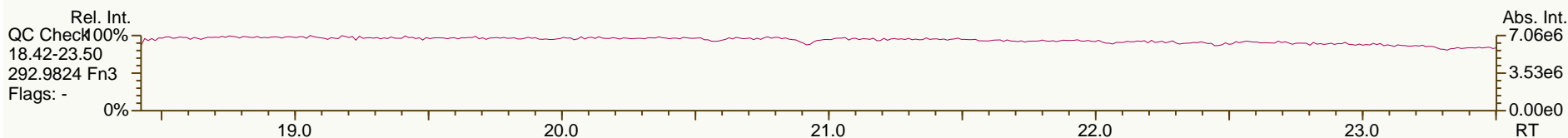
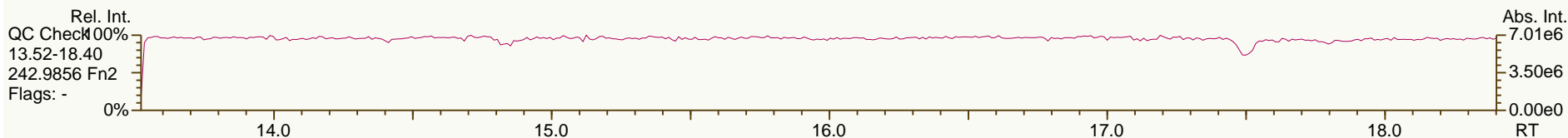
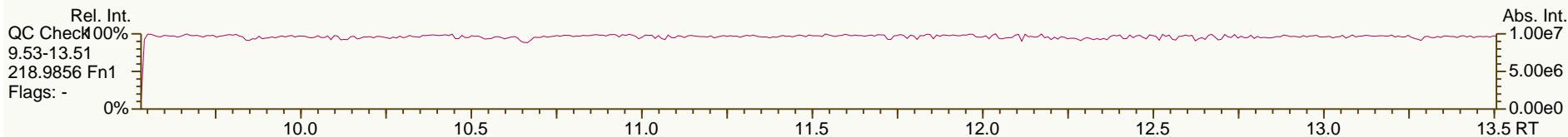
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.29	C	1.1269	1.1266	-0.5	4.17E+07	1.27	0.75	1,570	5.17E+02	0.175
PCB-134 22'33'56"-HxCB	30.44		1.1326	1.1325	-0.2	2.99E+06	1.30	0.59	142	5.17E+02	0.22
PCB-143 22'34'56"-HxCB	30.54		1.1356	1.1359	+0.5	1.94E+05	1.21	0.72	7.65	5.17E+02	0.183
PCB-139/140 ...-HxCB	30.79	C	1.1458	1.1454	-0.7	1.24E+06	1.25	0.77	45.6	5.17E+02	0.17
PCB-131 22'33'46"-HxCB	30.95		1.1516	1.1514	-0.4	8.46E+05	1.17	0.65	36.6	5.17E+02	0.2
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.68	ND	5.17E+02	0.191
PCB-132 22'33'46"-HxCB	31.33		1.1655	1.1654	-0.2	1.98E+07	1.27	0.67	840	5.17E+02	0.196
PCB-133 22'33'55"-HxCB	31.79		1.1826	1.1827	+0.2	7.60E+05	1.19	0.69	31.2	5.17E+02	0.19
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.85	ND	5.17E+02	0.154
PCB-146 22'34'55"-HxCB	32.33		0.9550	0.9549	-0.2	8.58E+06	1.25	0.76	320	5.17E+02	0.173
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.93	ND	5.17E+02	0.141
PCB-153/168 ...-HxCB	32.85	C	0.9709	0.9702	-1.4	5.66E+07	1.27	0.89	1,800	5.17E+02	0.147
PCB-141 22'34'55"-HxCB	33.00		0.9746	0.9747	+0.2	9.09E+06	1.25	0.73	351	5.17E+02	0.179
PCB-130 22'33'45"-HxCB	33.34		0.9847	0.9846	-0.2	4.12E+06	1.27	0.63	184	5.17E+02	0.207
PCB-137 22'34'4'5"-HxCB	33.53		0.9904	0.9904	0	3.91E+06	1.25	0.81	136	5.17E+02	0.161
PCB-164 233'4'5'6"-HxCB	33.62		0.9930	0.9930	0	5.20E+06	1.27	0.89	164	5.17E+02	0.147
PCB-163/138/129 ...-HxCB	33.89	C	1.0012	1.0008	-0.8	7.58E+07	1.26	0.78	2,730	5.17E+02	0.167
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.87	ND	5.17E+02	0.15
PCB-158 233'44'6"-HxCB	34.22		1.0106	1.0105	-0.2	1.00E+07	1.24	1.00	282	5.17E+02	0.13
PCB-128/166 ...-HxCB	34.93	C	0.9593	0.9593	0	1.61E+07	1.28	0.97	456	2.59E+03	0.752
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.08	ND	2.59E+03	0.674
PCB-162 233'4'55"-HxCB	36.04		0.9896	0.9897	+0.2	3.31E+05	1.25	1.14	7.96	2.59E+03	0.64
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	4.47E+02	0.15
PCB-179 22'33'566"-HpCB	31.97		1.0089	1.0089	0	2.72E+06	1.08	1.06	95.2	4.47E+02	0.151
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.04	ND	4.47E+02	0.154
PCB-176 22'33'466"-HpCB	32.72	EMPC	1.0324	1.0324	0	7.96E+05	1.21	1.13	26.1	4.47E+02	0.141
PCB-186 22'34'566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.10	ND	4.47E+02	0.146
PCB-178 22'33'55'6"-HpCB	34.28		1.0816	1.0817	+0.2	1.08E+06	1.04	0.78	51.2	4.47E+02	0.205
PCB-175 22'33'45'6"-HpCB	34.82		1.0985	1.0987	+0.4	2.82E+05	1.04	0.86	12.1	1.60E+03	0.662
PCB-187 22'34'55'6"-HpCB	35.05		1.1057	1.1059	+0.4	8.58E+06	1.04	0.89	357	1.60E+03	0.642
PCB-182 22'34'4'56"-HpCB	35.21		1.1112	1.1111	-0.2	4.69E+04	1.06	0.92	1.9	1.60E+03	0.622
PCB-183 22'34'4'5'6"-HpCB	35.56		1.1219	1.1221	+0.4	4.23E+06	1.06	0.92	170	1.60E+03	0.62
PCB-185 22'34'55'6"-HpCB	35.63		1.1241	1.1243	+0.4	4.60E+05	1.12	0.88	19.4	1.60E+03	0.648
PCB-174 22'33'456"-HpCB	35.74		1.1276	1.1277	+0.2	6.31E+06	1.04	0.78	301	1.60E+03	0.736
PCB-177 22'33'45'6"-HpCB	36.11		1.1393	1.1394	+0.2	3.84E+06	1.04	0.74	193	1.60E+03	0.773
PCB-181 22'34'4'56"-HpCB	36.45		1.1501	1.1503	+0.4	1.25E+05	1.04	0.85	5.48	1.60E+03	0.676
PCB-171/173 ...-HpCB	36.64	C	1.1556	1.1562	+1.3	2.25E+06	1.05	0.77	109	1.60E+03	0.747
PCB-172 22'33'455"-HpCB	38.03		0.9003	0.9003	0	7.09E+05	1.09	0.51	27.7	1.60E+03	0.657
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.66	ND	1.60E+03	0.508
PCB-180/193 ...-HpCB	38.57	C	0.9127	0.9132	+1.2	1.66E+07	1.04	0.84	392	1.60E+03	0.397
PCB-191 233'44'5'6"-HpCB	38.87		0.9203	0.9202	-0.2	3.72E+05	1.10	0.67	11	1.60E+03	0.497
PCB-170 22'33'44'5"-HpCB	39.61		0.9380	0.9378	-0.5	7.19E+06	1.05	0.70	205	1.60E+03	0.479
PCB-190 233'44'56"-HpCB	40.06		0.9486	0.9485	-0.2	1.61E+06	1.08	0.66	48.4	1.60E+03	0.504
PCB-202 22'33'55'66"-OoCB	36.23		1.0006	1.0006	0	8.25E+05	0.84	0.83	35.7	6.47E+02	0.313
PCB-201 22'33'45'66"-OoCB	37.01		1.0221	1.0220	-0.2	4.61E+05	0.85	0.94	17.6	6.47E+02	0.276

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	6.47E+02	0.286
PCB-197 22'33'44'66'-OcCB	37.75		1.0431	1.0427	-0.9	9.63E+04	0.83	1.00	3.44	6.47E+02	0.258
PCB-200 22'33'4566'-OcCB	37.84		1.0451	1.0450	-0.2	3.90E+05	0.82	0.88	15.9	6.47E+02	0.295
PCB-198/199 ...-OcCB	40.23	C	1.1102	1.1110	+1.9	2.91E+06	0.90	0.58	179	6.47E+02	0.443
PCB-196 22'33'44'56'-OcCB	40.78		1.1260	1.1262	+0.5	1.14E+06	0.92	0.60	68.4	6.47E+02	0.431
PCB-203 22'344'55'6-OcCB	40.94		1.1306	1.1308	+0.5	1.98E+06	0.85	0.63	112	6.47E+02	0.408
PCB-195 22'33'44'56-OcCB	42.04		0.9469	0.9467	-0.5	9.08E+05	0.94	0.74	40.4	1.47E+03	0.717
PCB-194 22'33'44'55'-OcCB	44.03		0.9915	0.9915	0	2.90E+06	0.92	0.82	115	1.47E+03	0.64
PCB-205 233'44'55'6-OcCB	44.43		1.0004	1.0004	0	1.48E+05	0.90	1.09	4.43	1.47E+03	0.483
PCB-208 22'33'455'66'-NoCB	41.86		1.0005	1.0005	0	6.40E+05	0.75	0.98	25.2	9.99E+02	0.478
PCB-207 22'33'44'566'-NoCB	42.64		1.0192	1.0192	0	2.70E+05	0.80	1.01	10.3	9.99E+02	0.464
PCB-206 22'33'44'55'6-NoCB	45.90		1.0004	1.0003	-0.3	1.59E+06	0.79	0.93	79.9	9.99E+02	0.676

AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

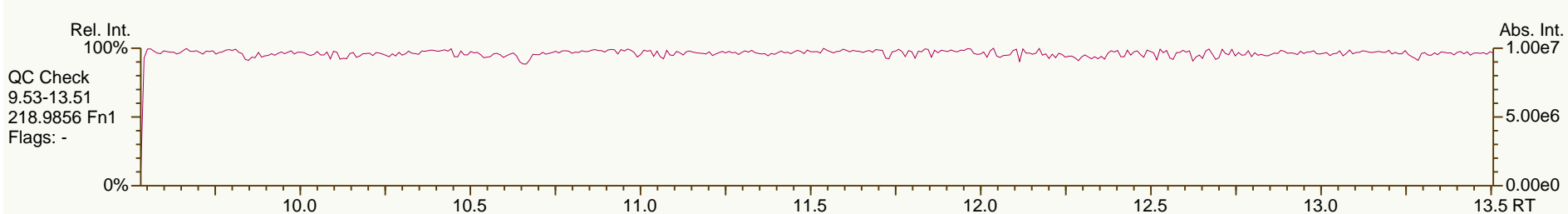
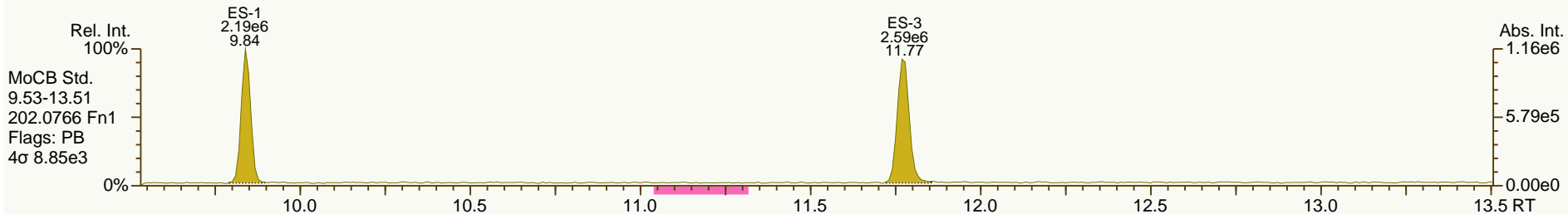
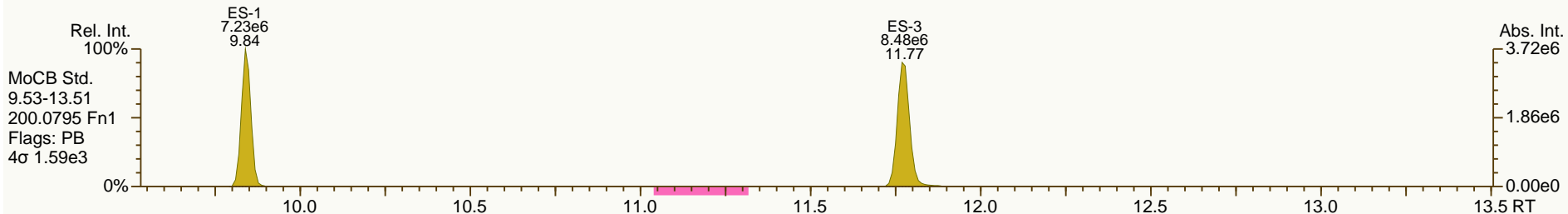
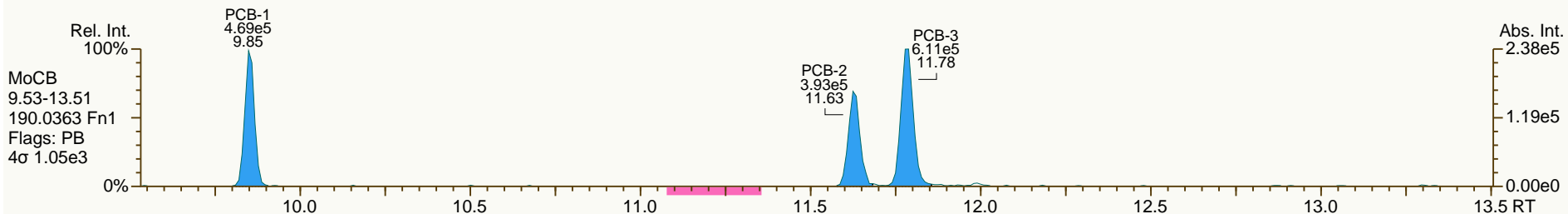
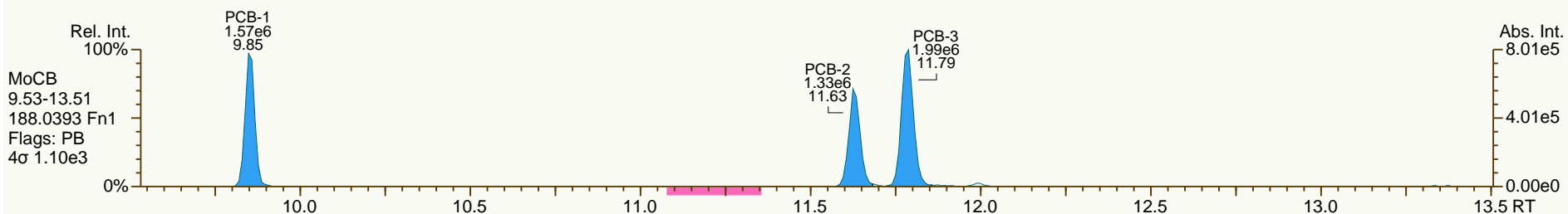
Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

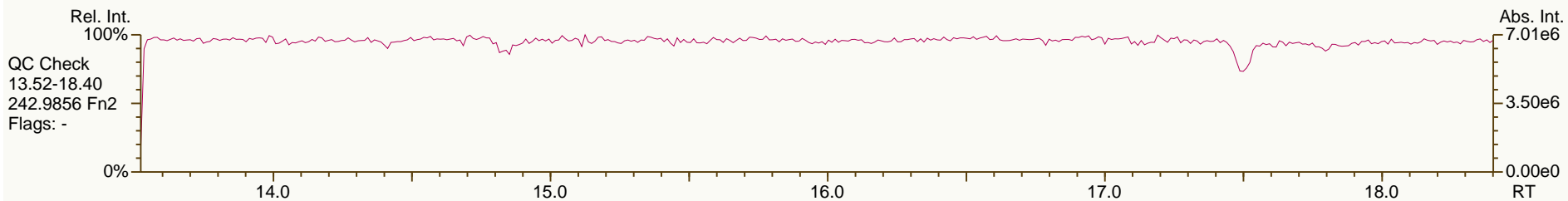
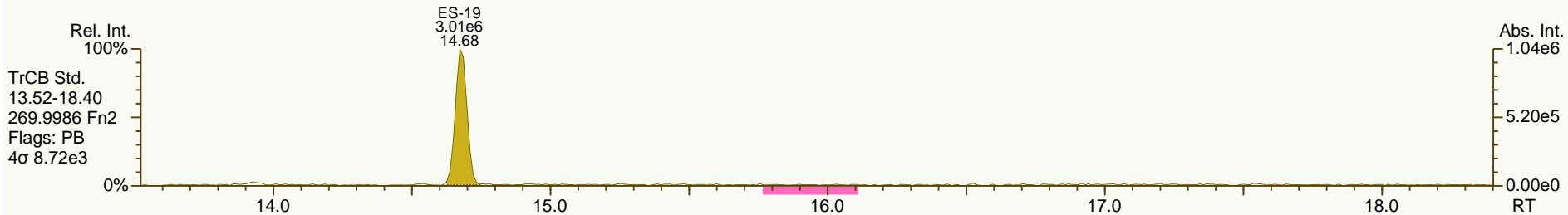
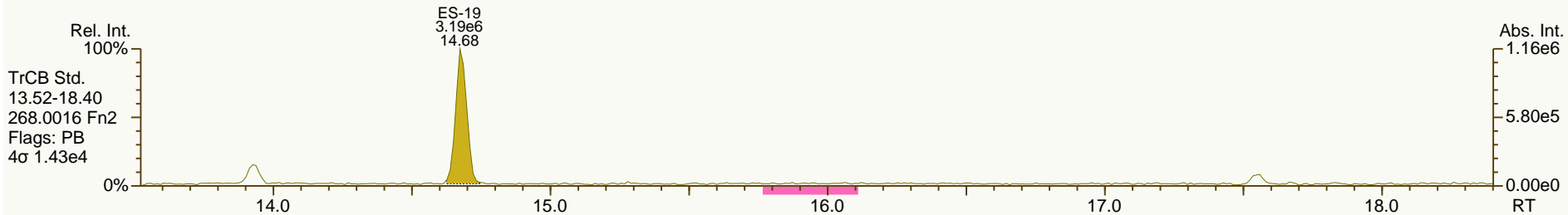
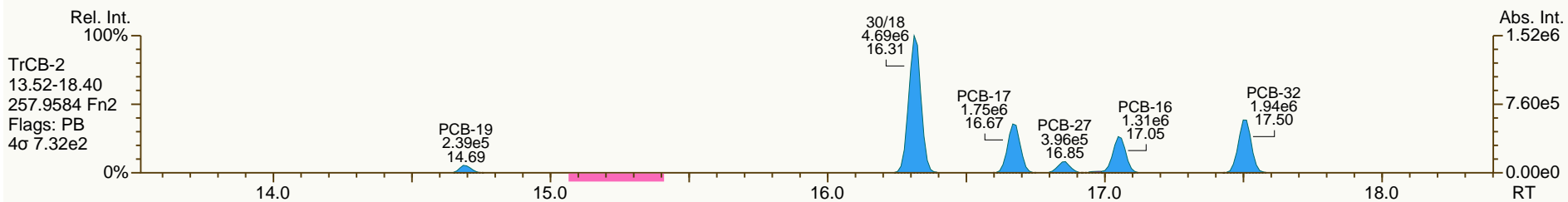
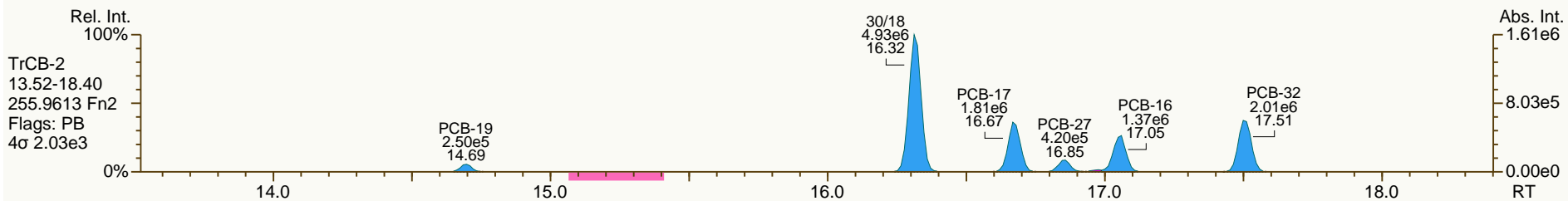
Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

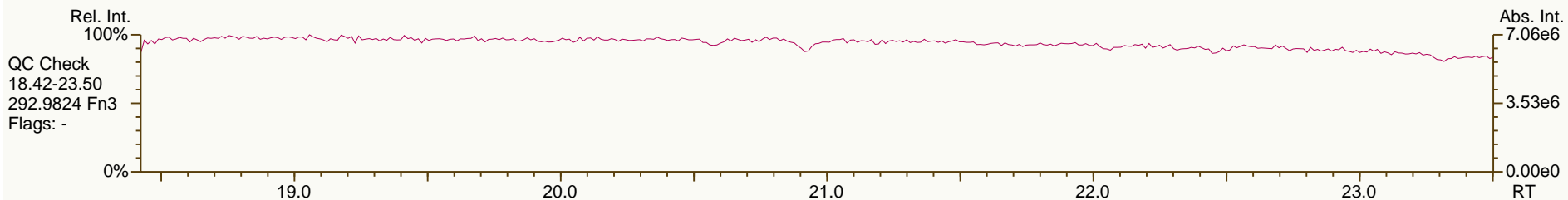
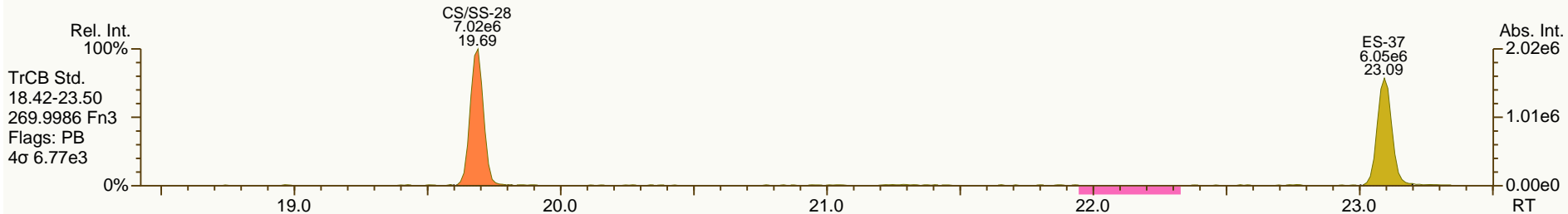
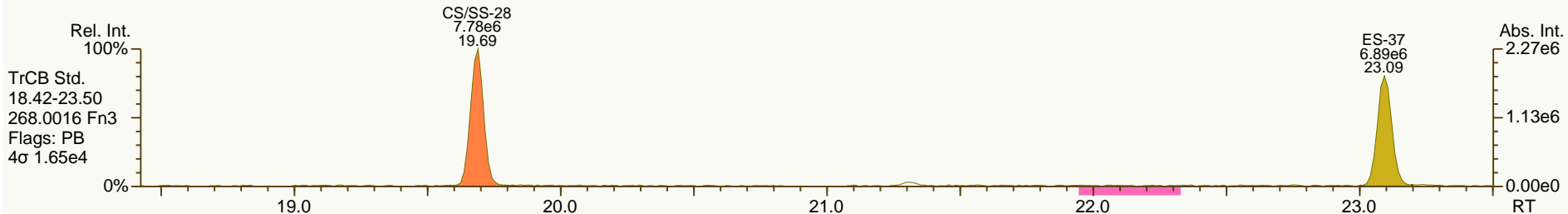
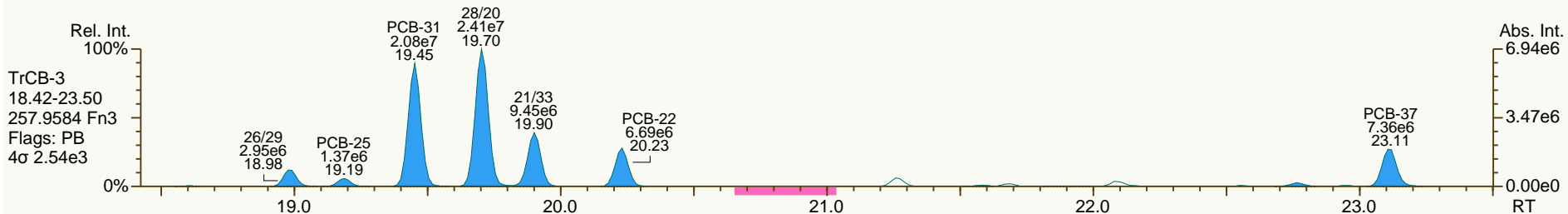
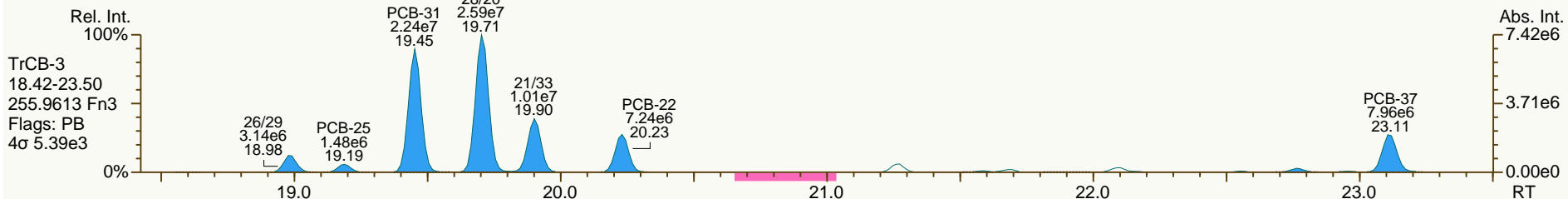
Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

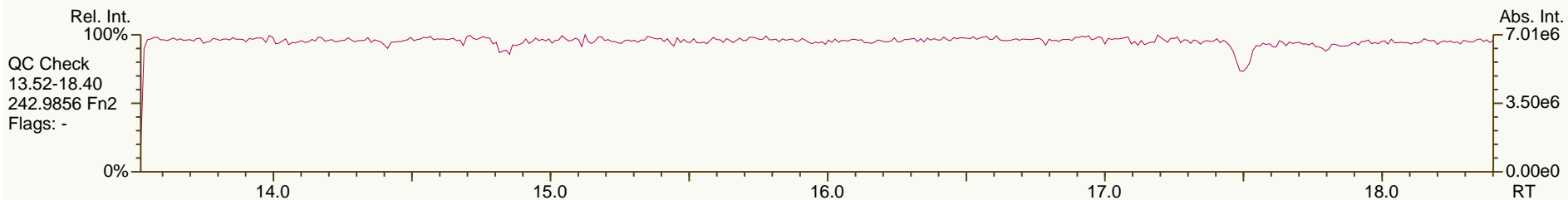
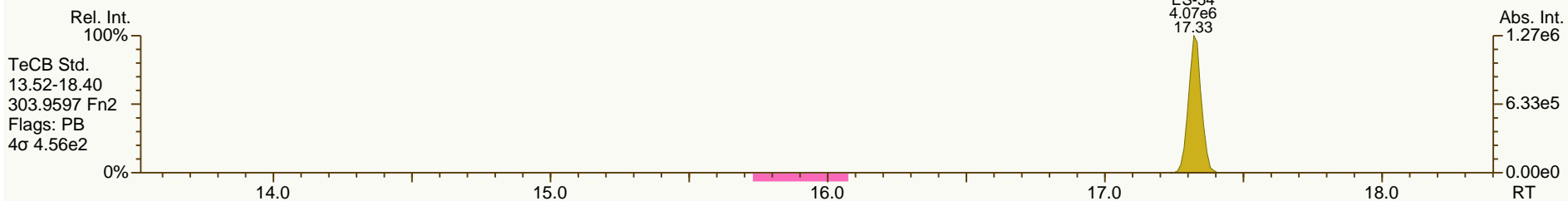
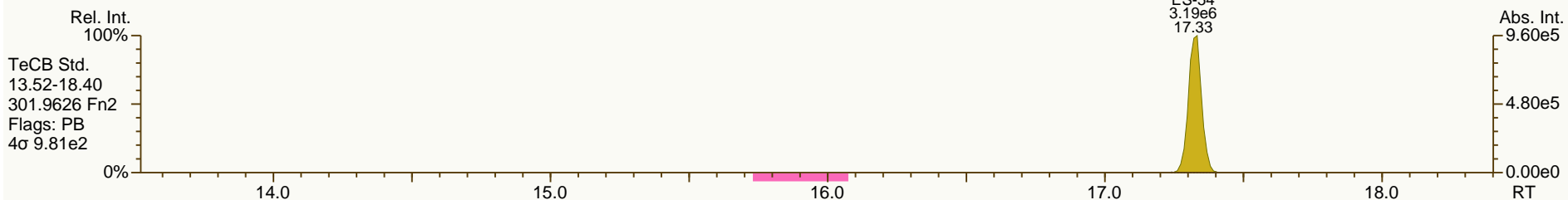
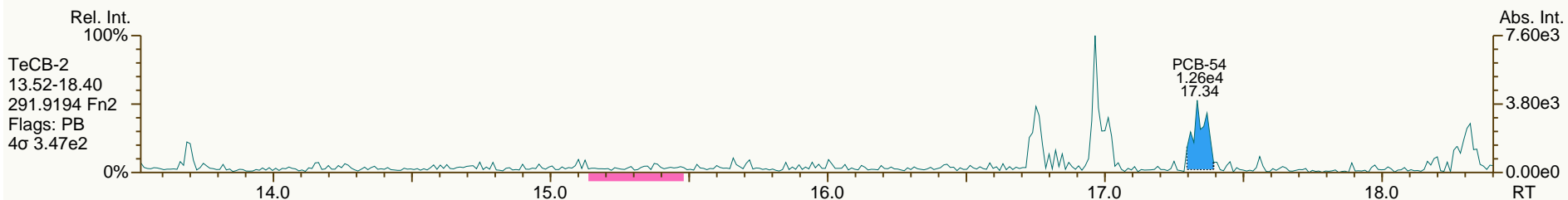
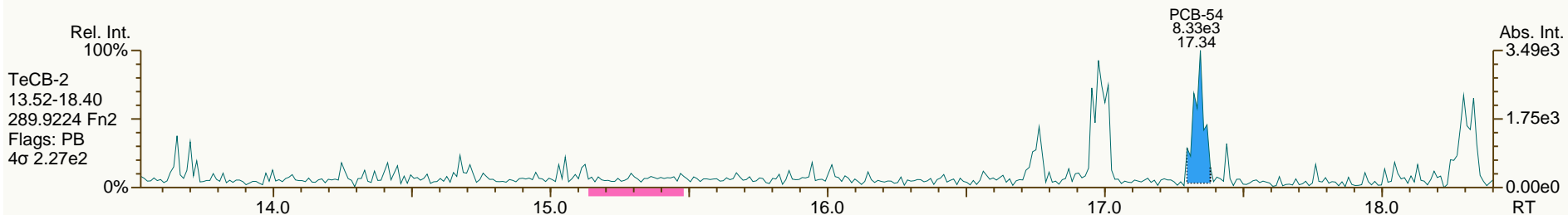
Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

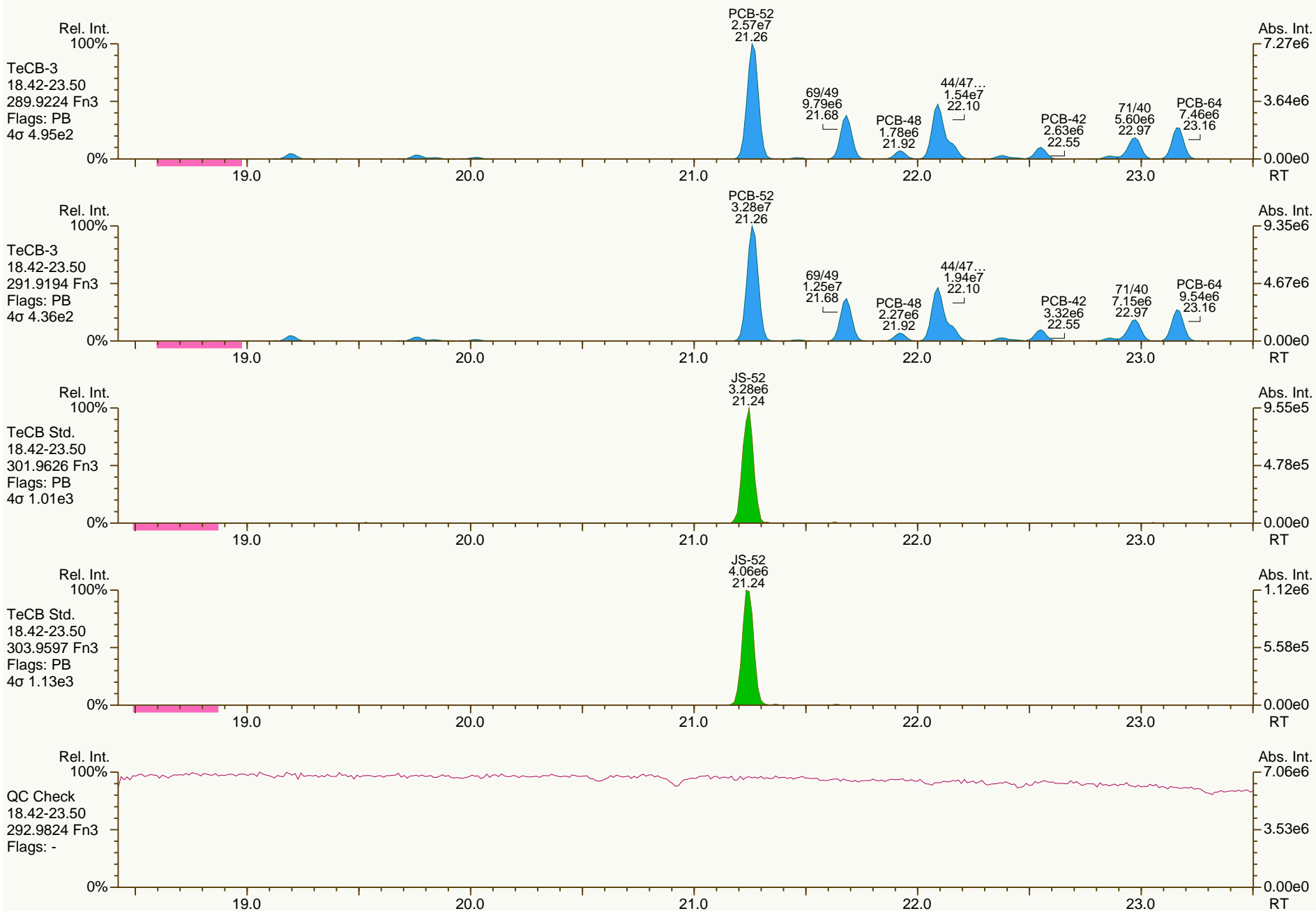
Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

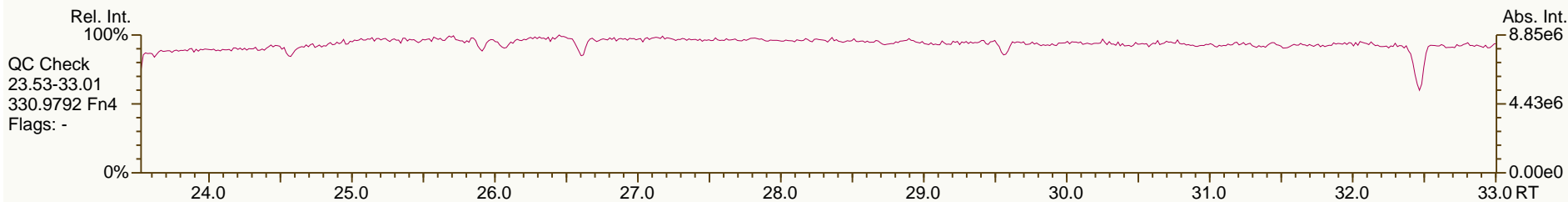
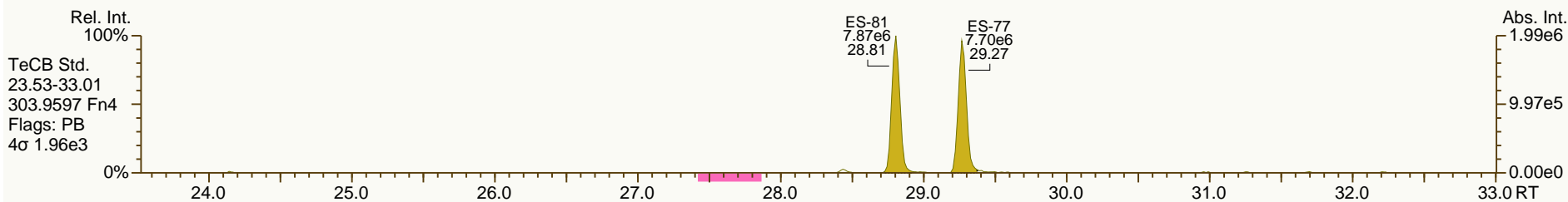
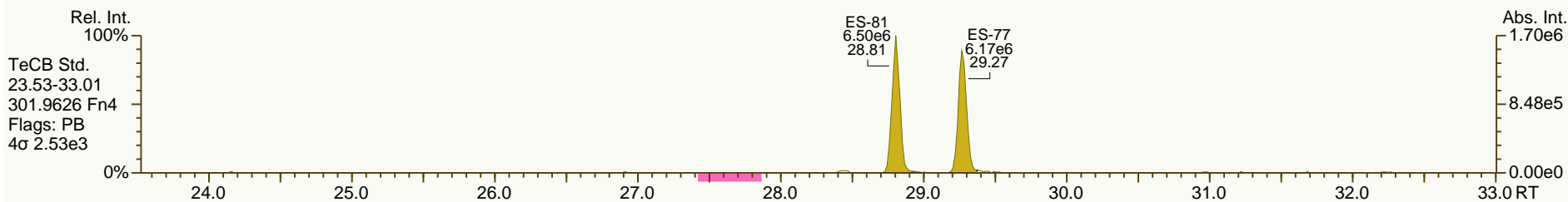
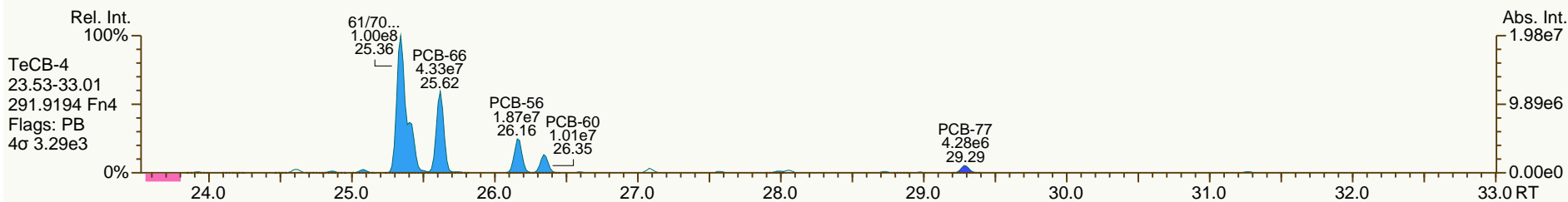
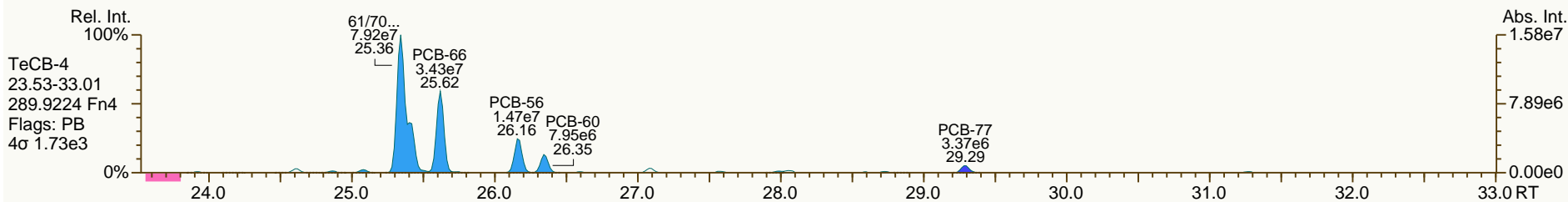
Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

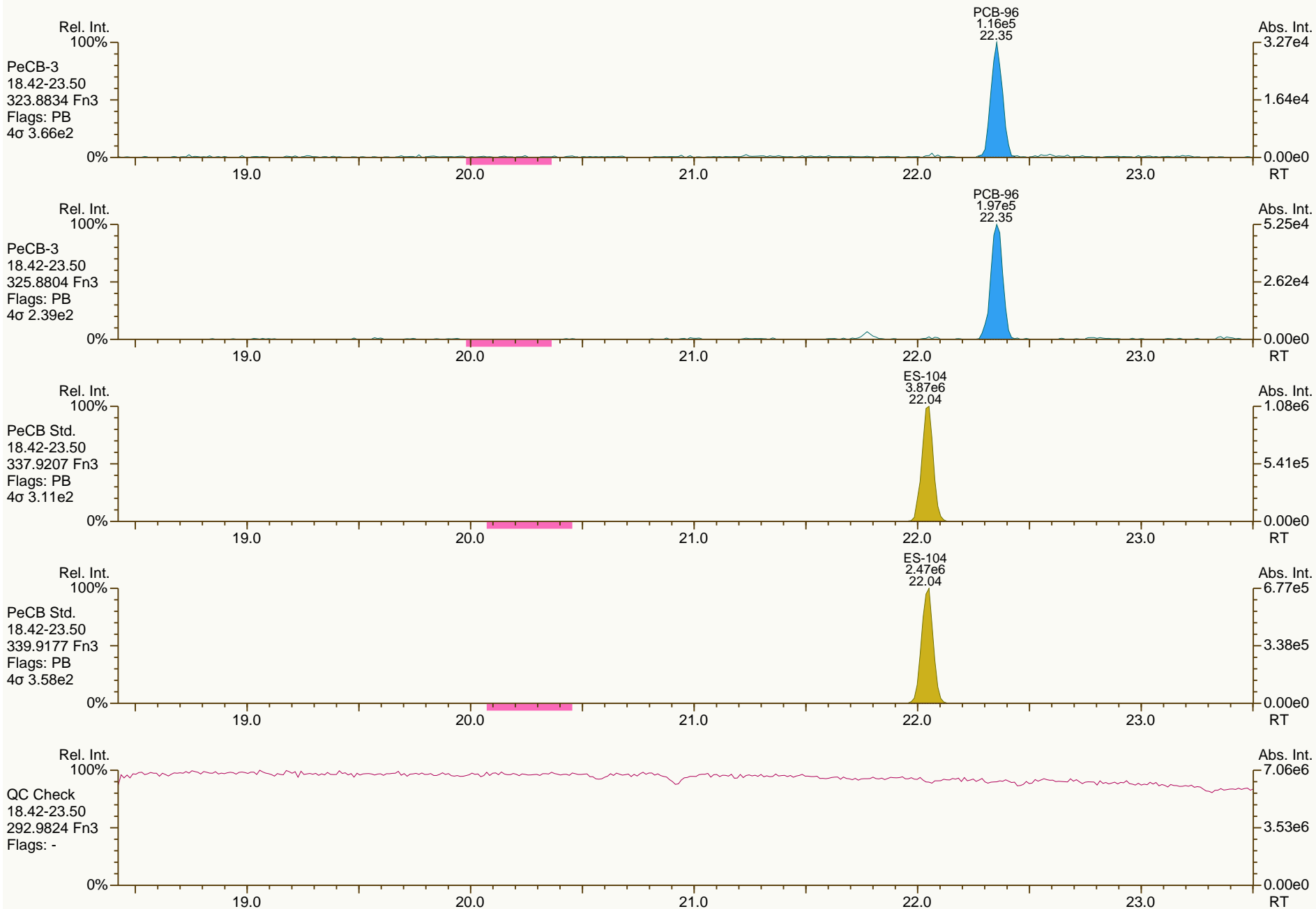
Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

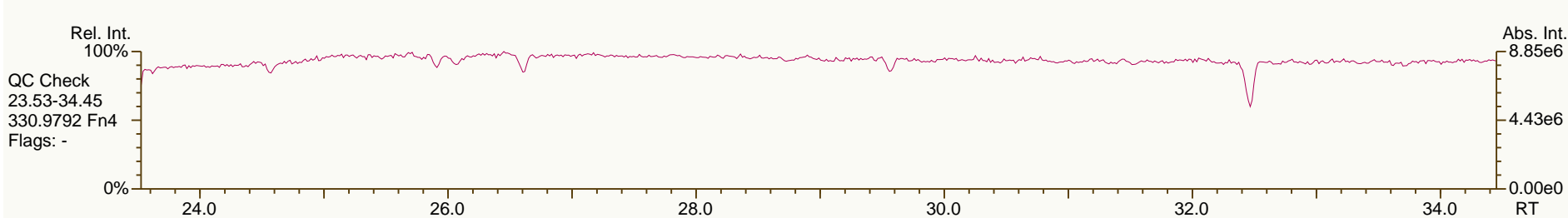
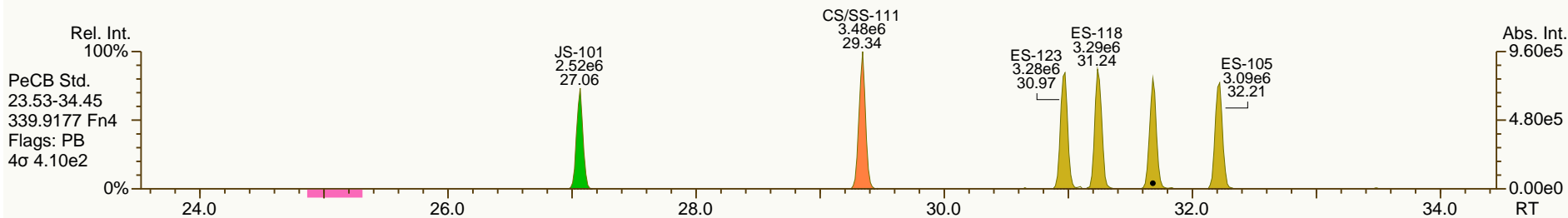
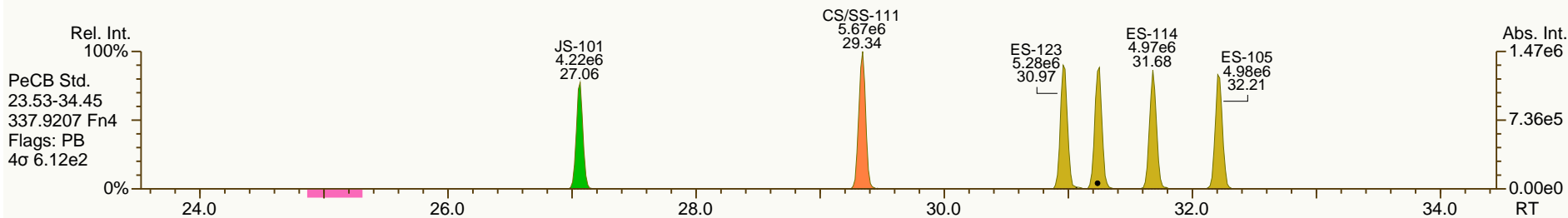
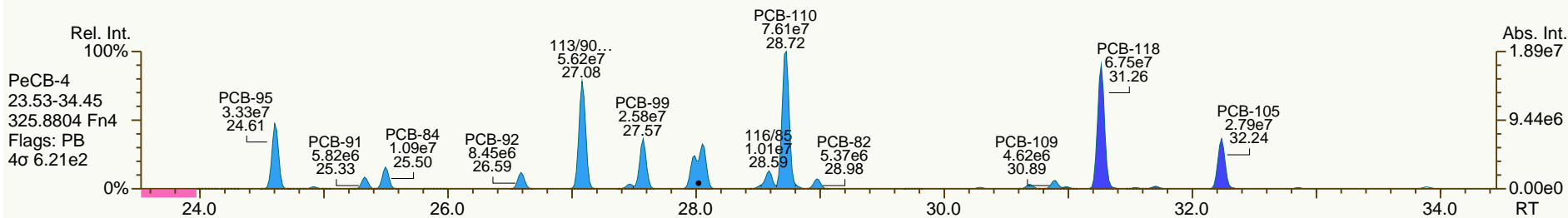
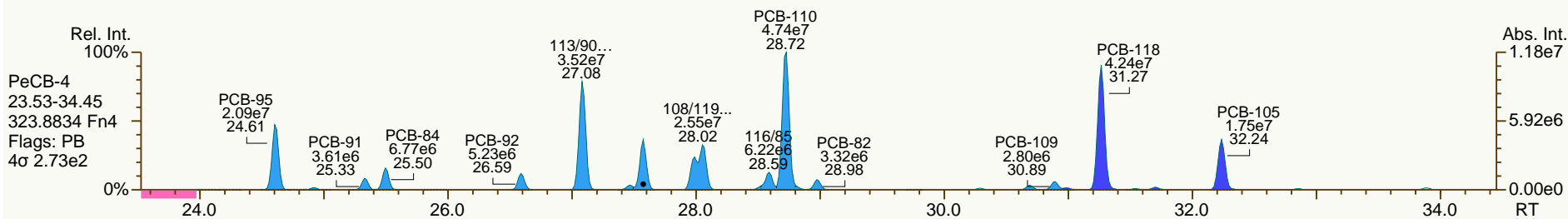
Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

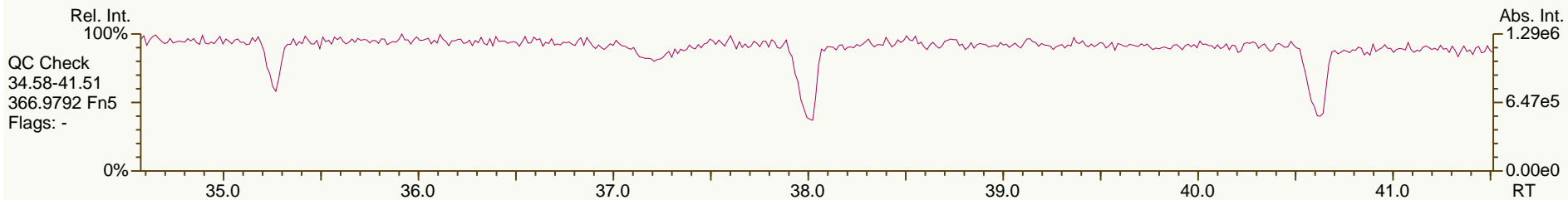
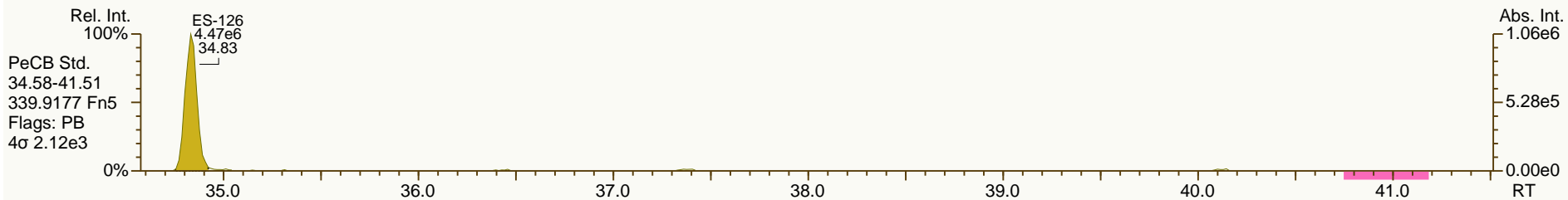
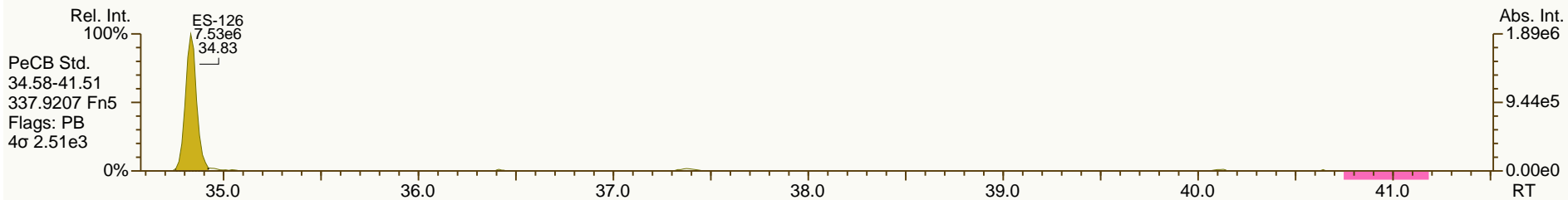
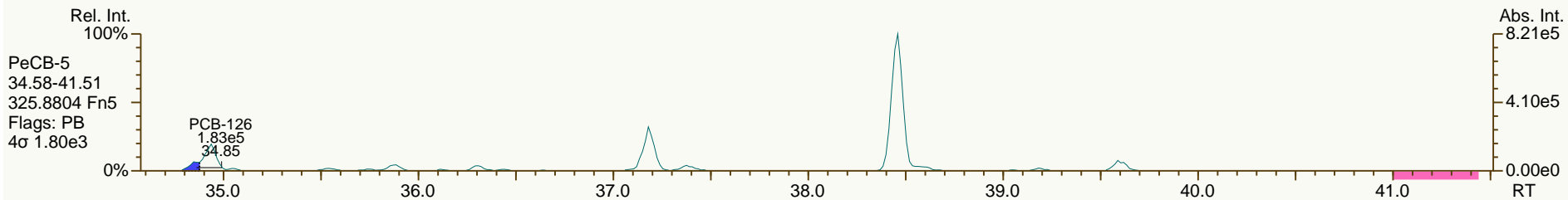
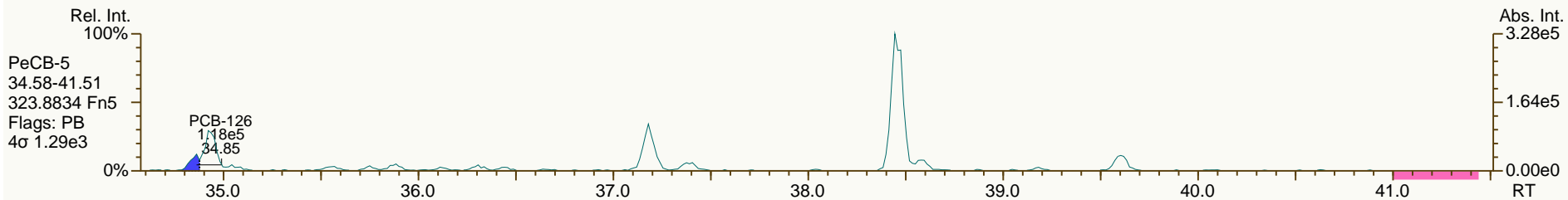
Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

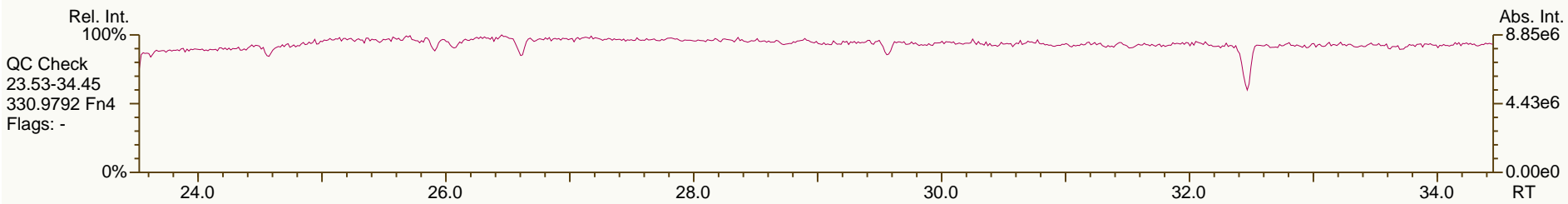
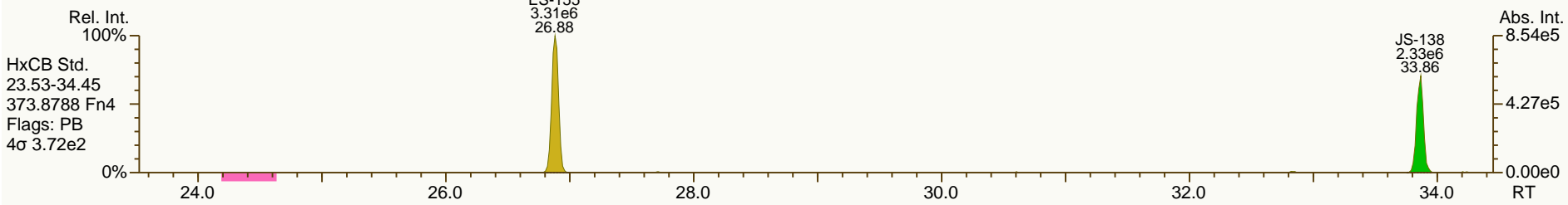
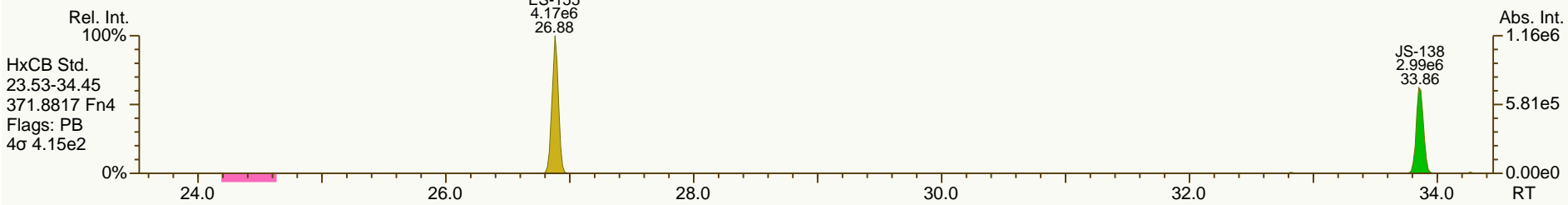
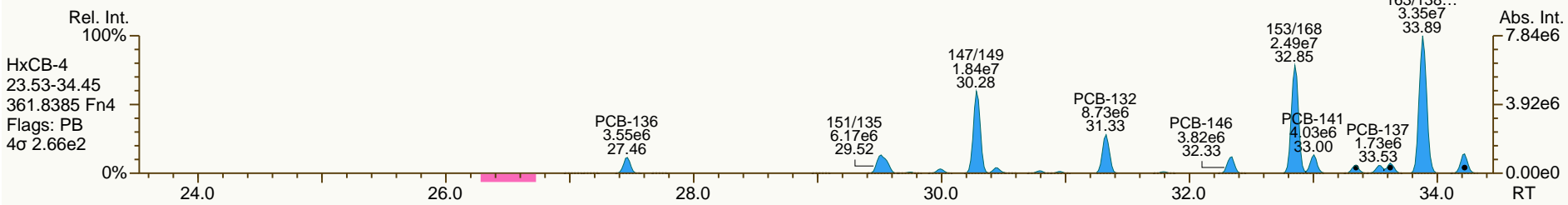
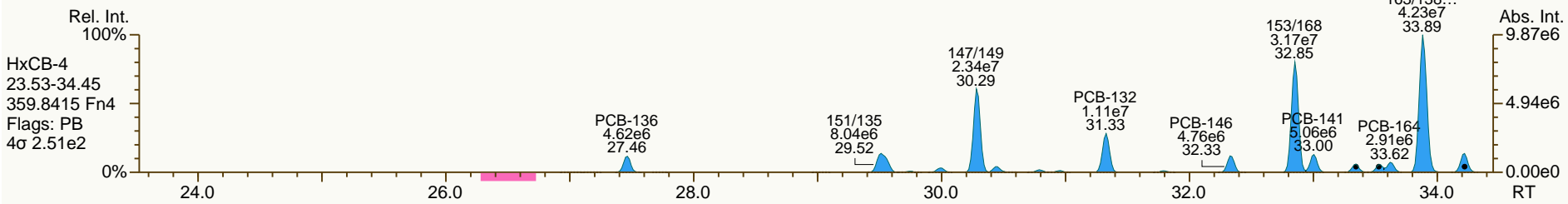
Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

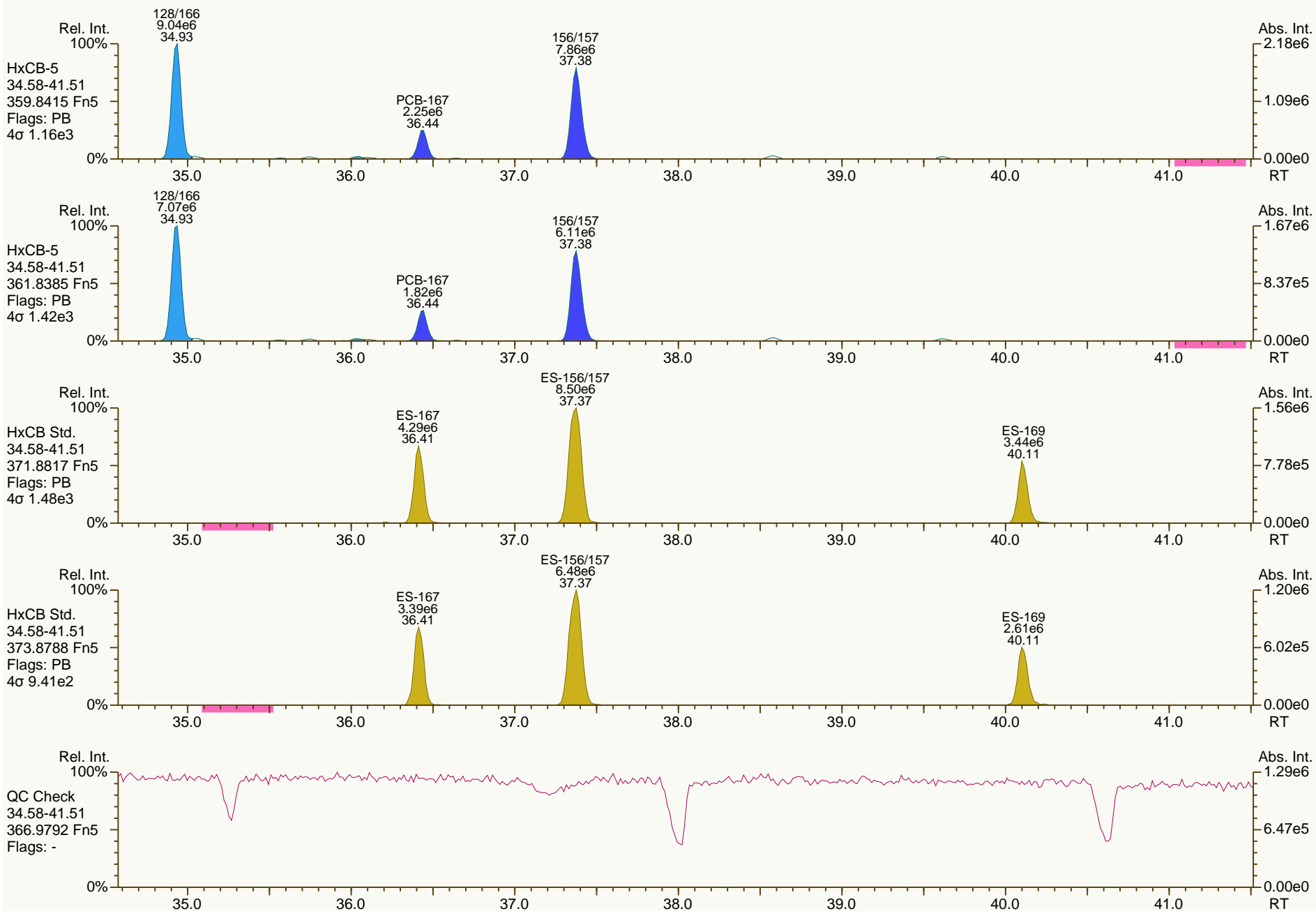
Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

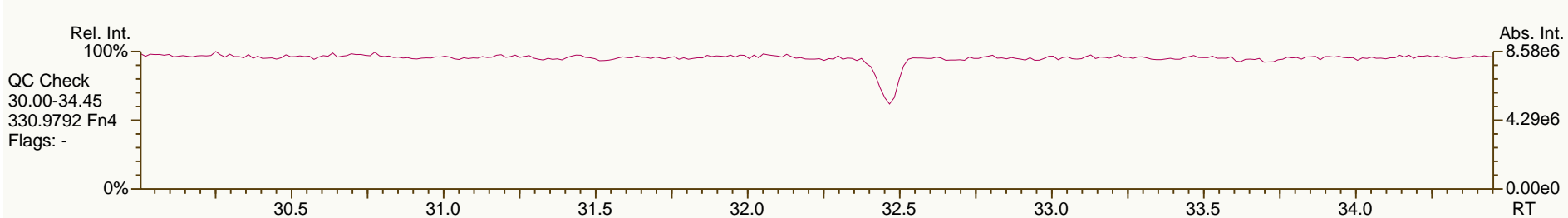
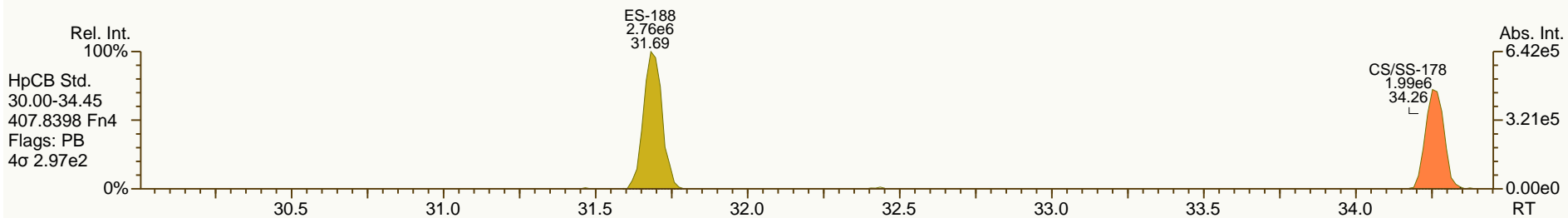
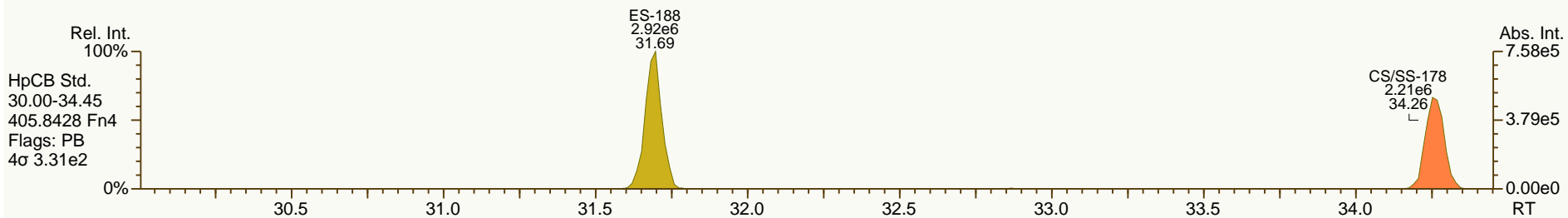
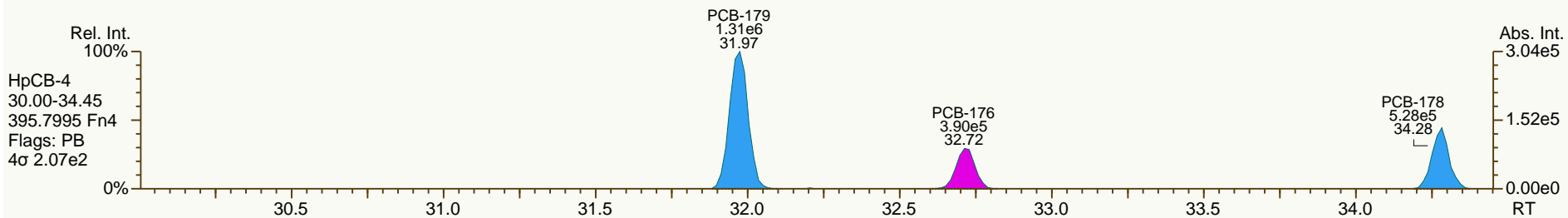
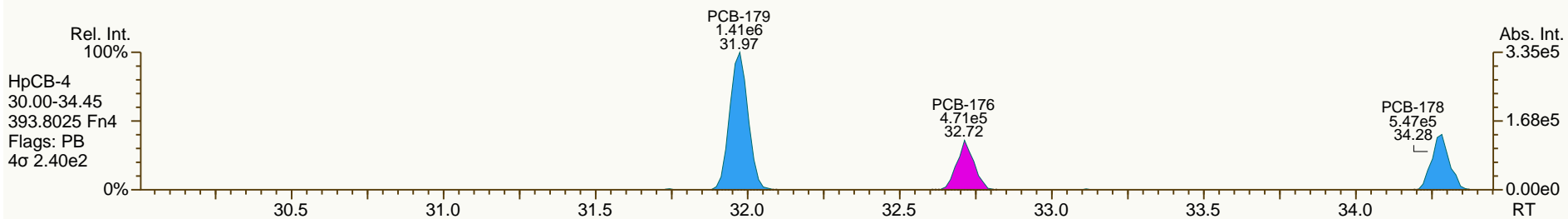
Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

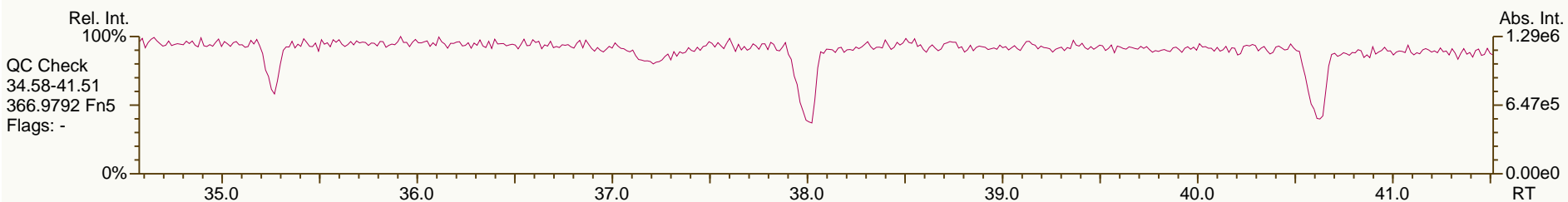
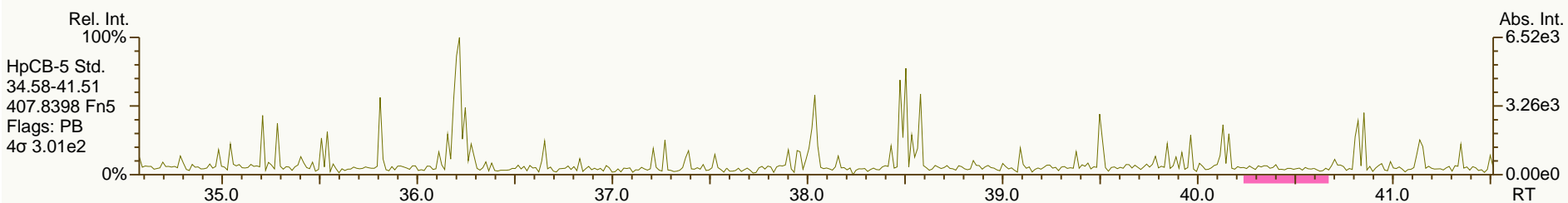
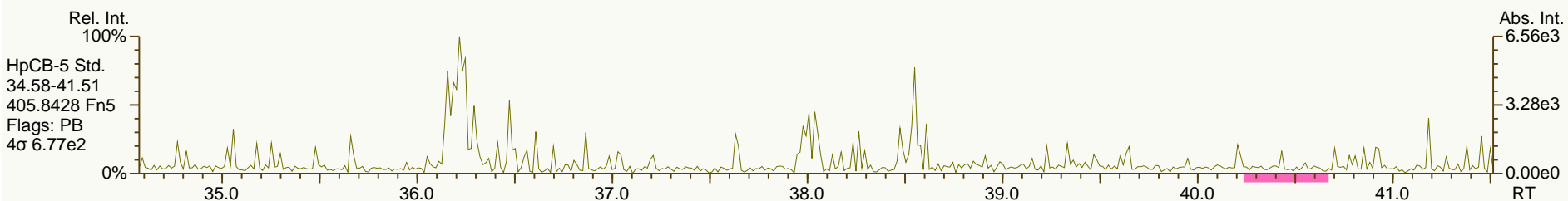
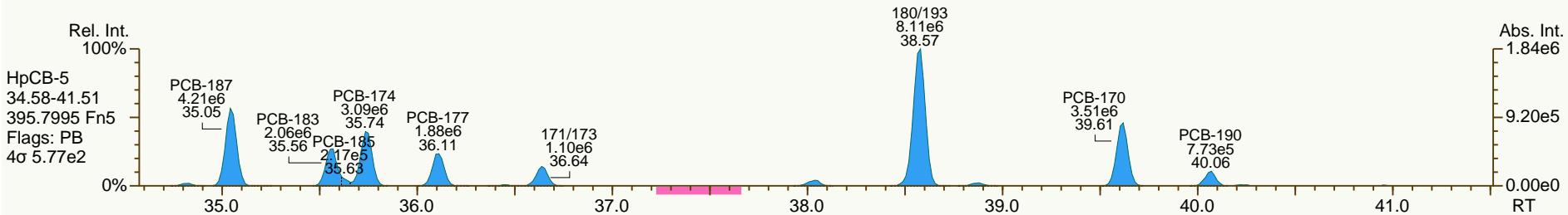
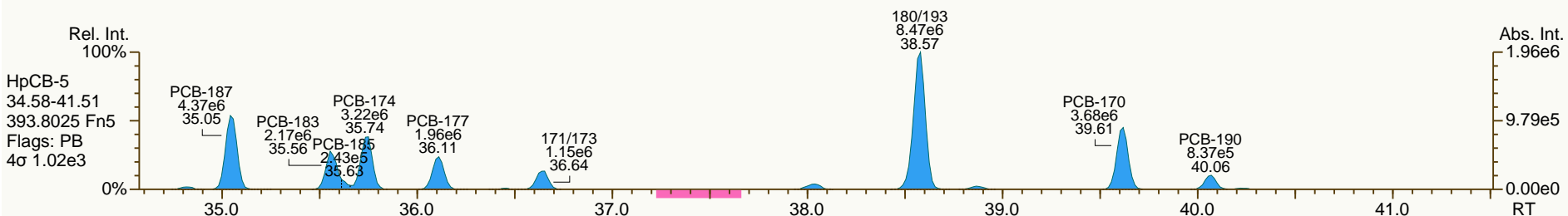
Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

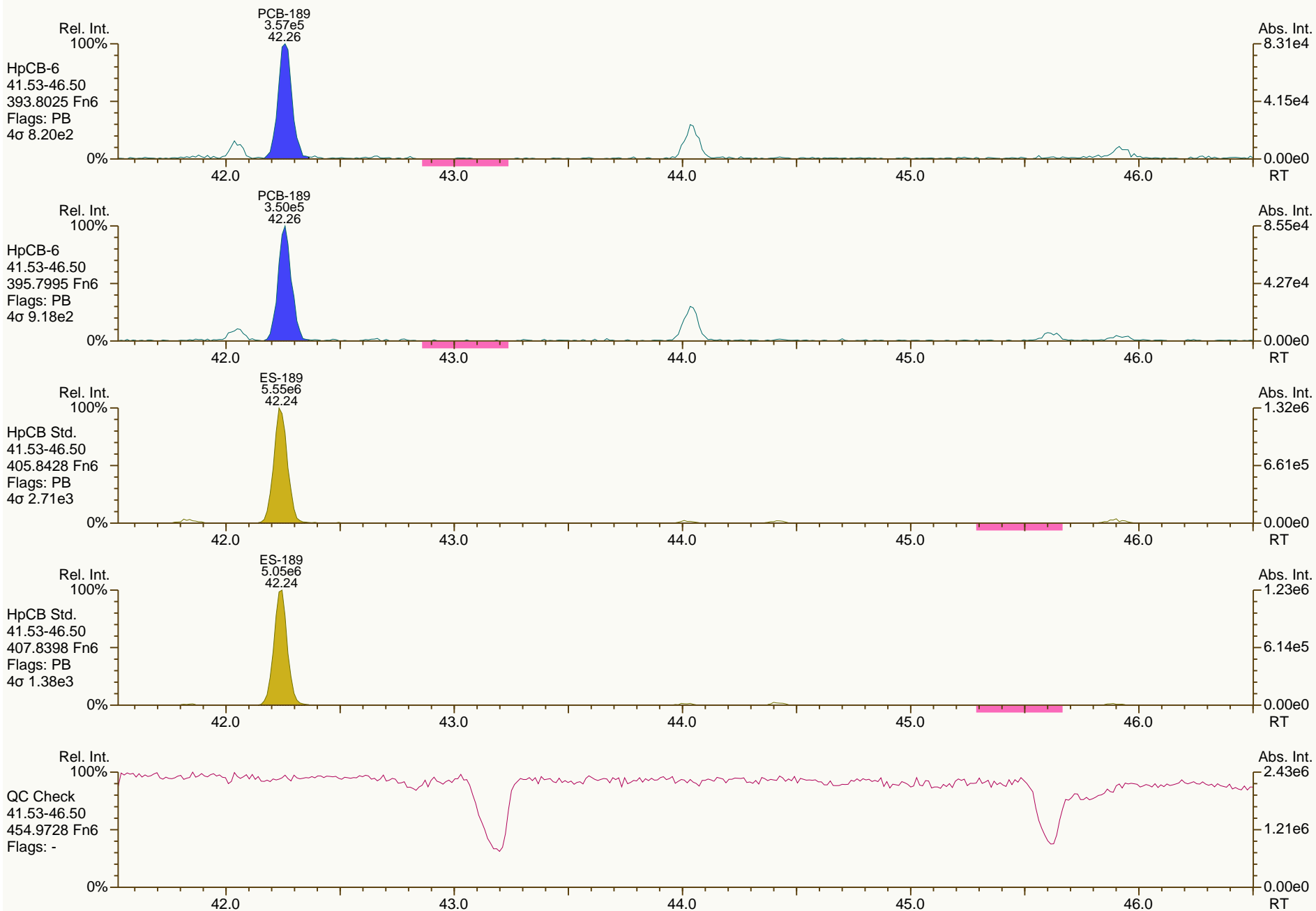
Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

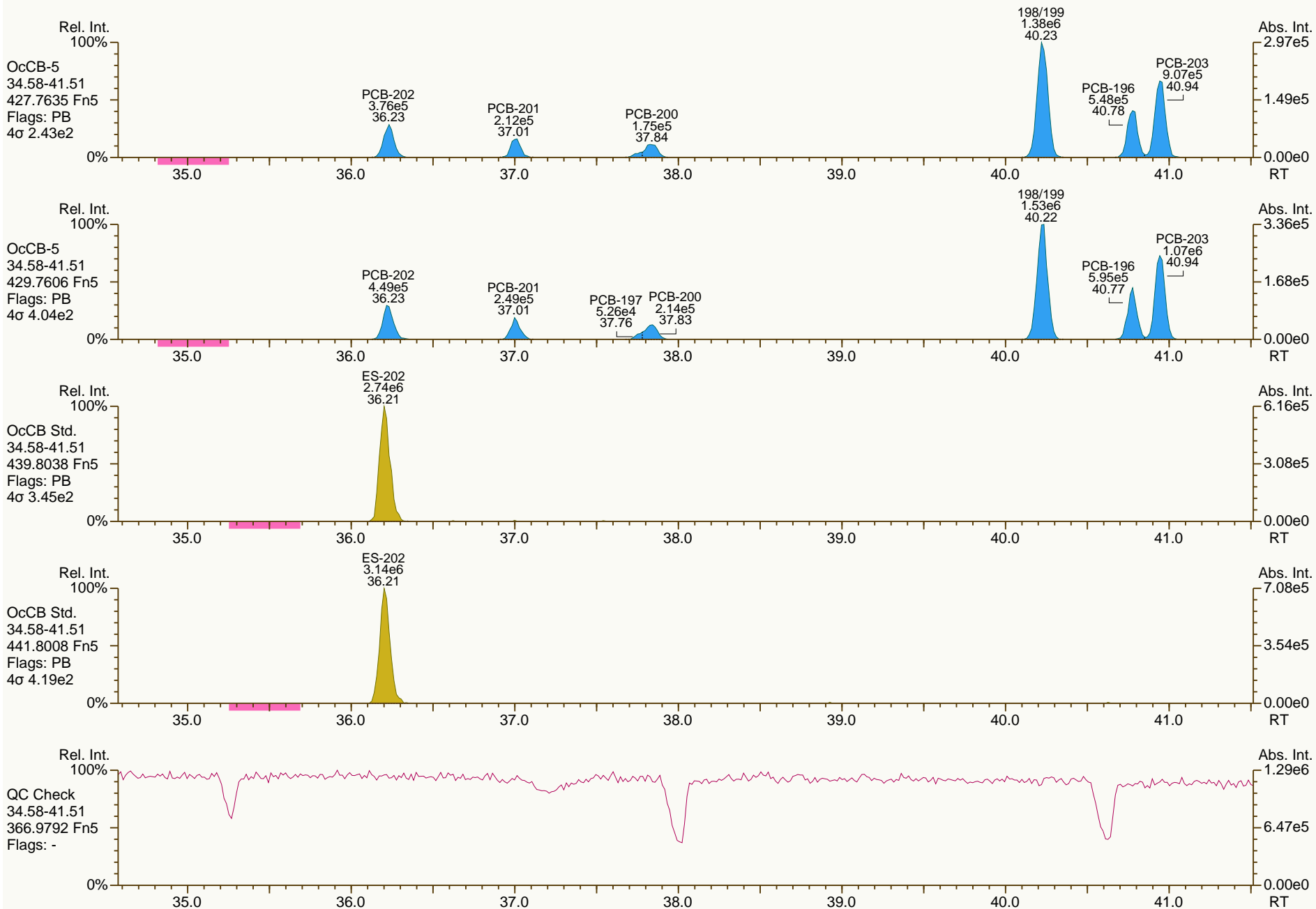
Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

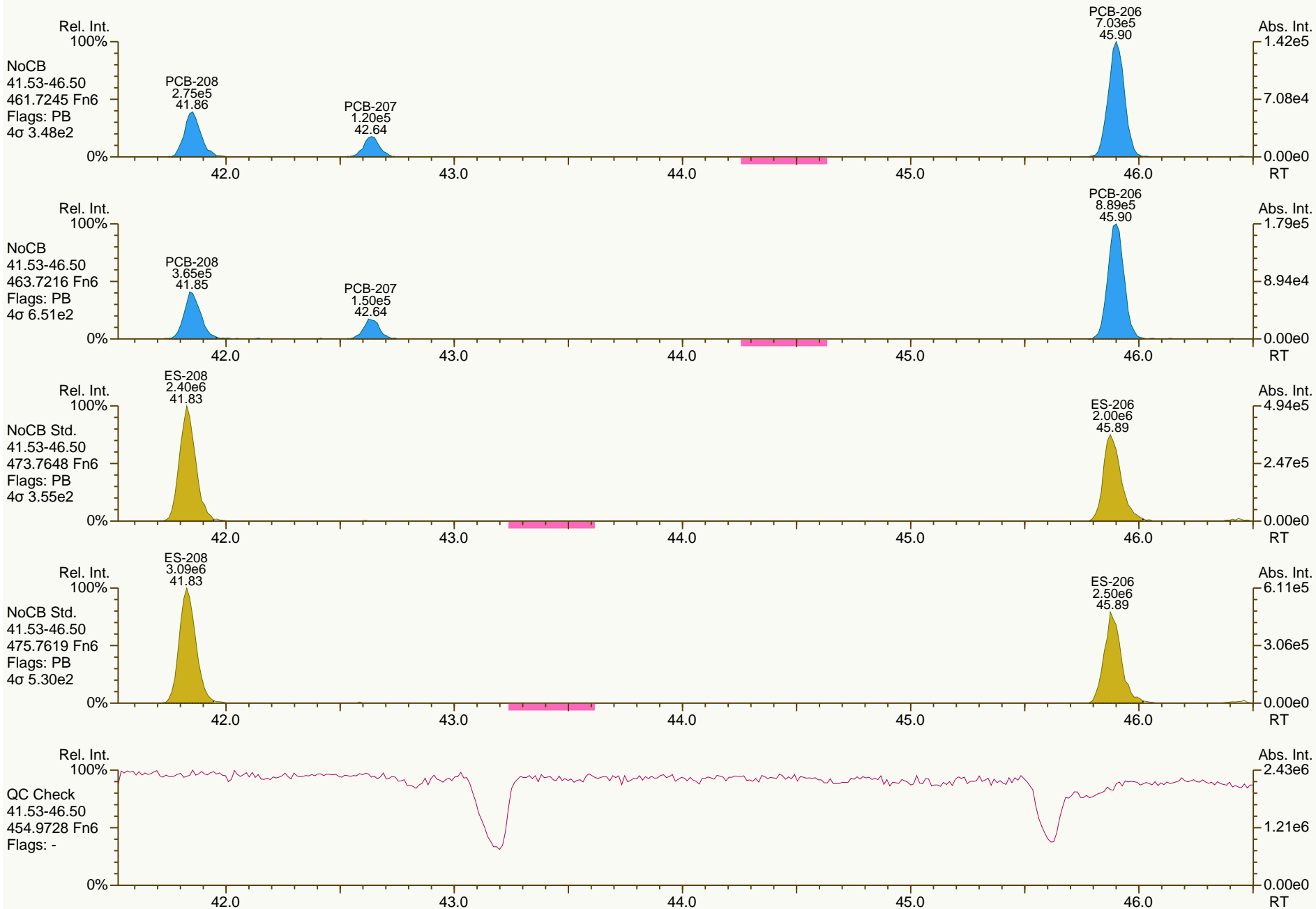
Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

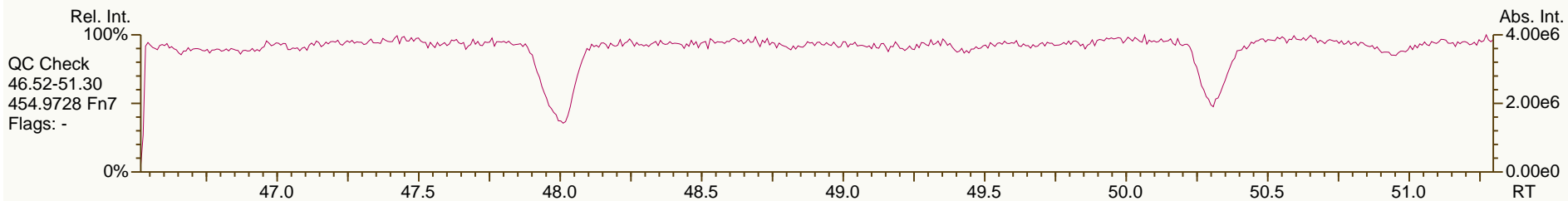
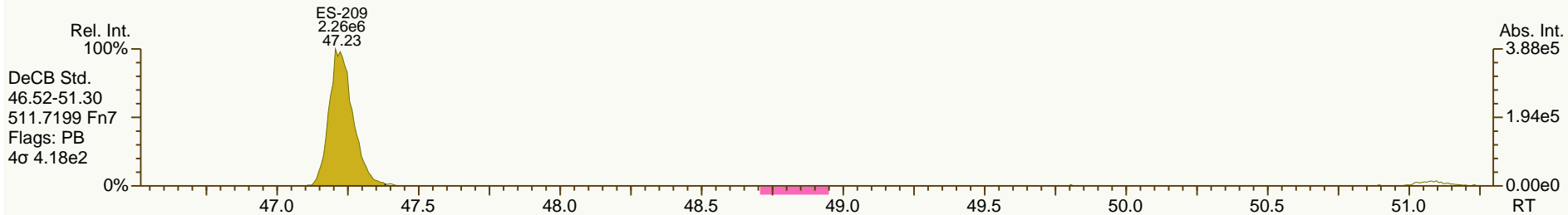
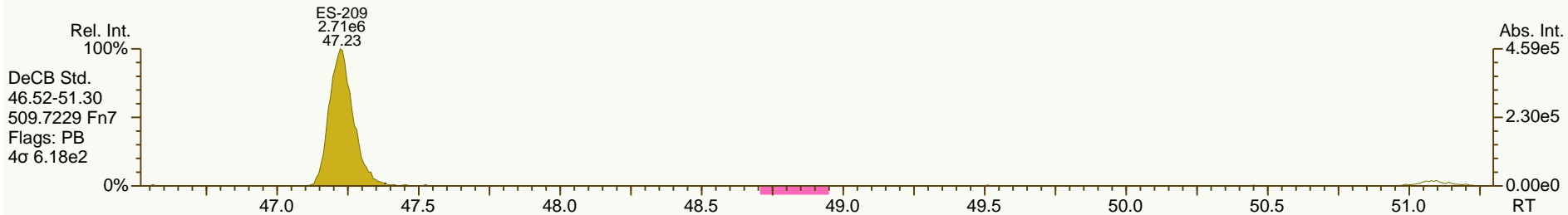
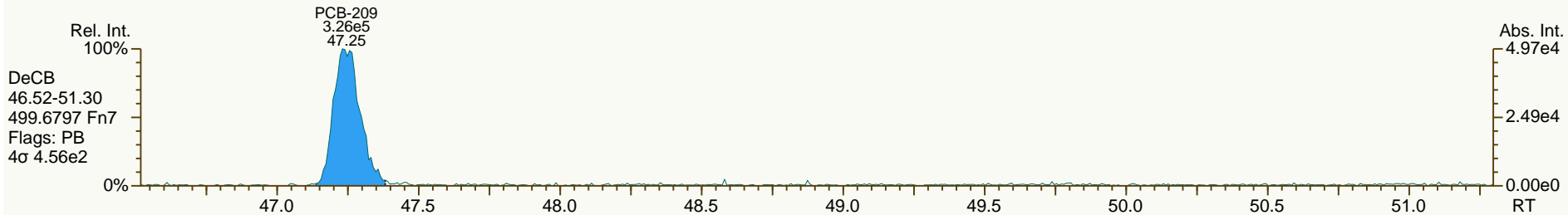
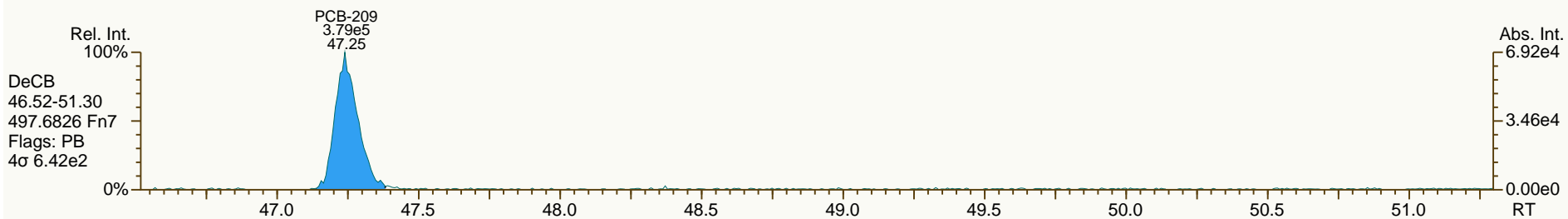
Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

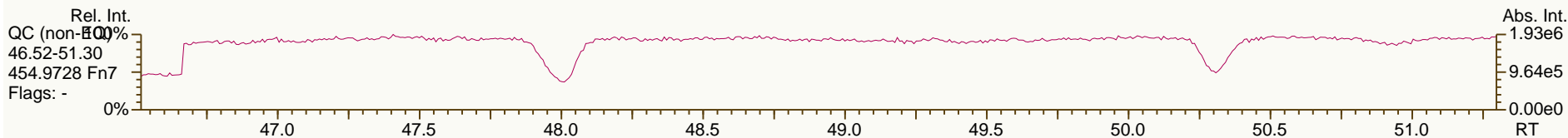
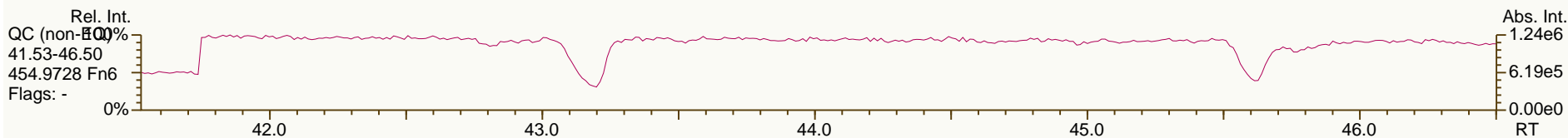
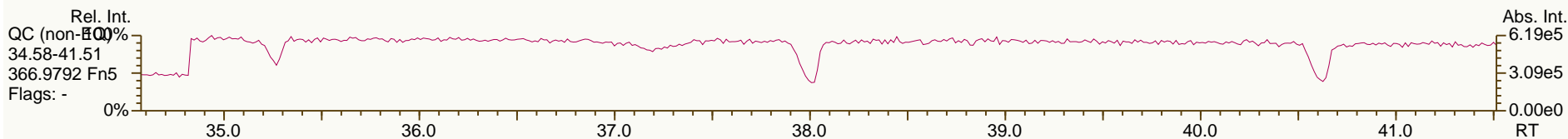
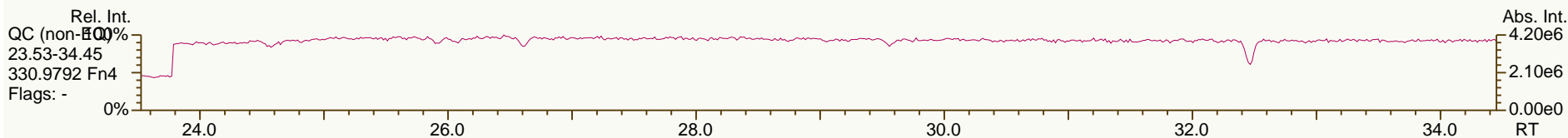
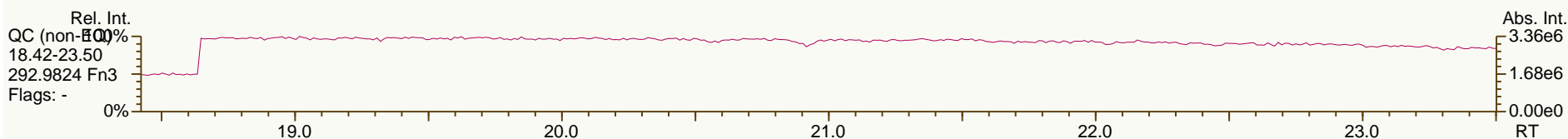
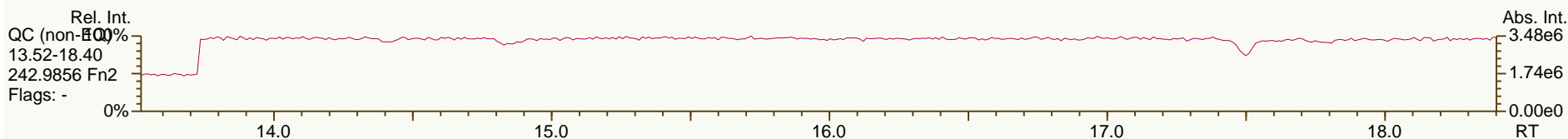
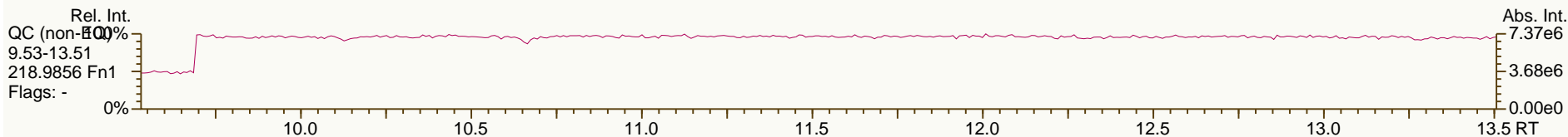
Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

Acq: 05-Jul-2012 23:02:26
User: LKB Datafile: 120705S13



Lab ID: A4371_9893_PCB_008-RJ

ACQ: 05-Jul-2012 23:57:26 LKB Wt/Vol: 10.35 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120705_PCB_SB

Client ID: JW-UR-COMP-120508

UTP: 09-Jul-2012 15:16 LKB

J-level: 0.966 pg/g Split: 1

Checkcode: 290-629-QXF

Datafile: 120705S14

RPT: 09-Jul-2012 15:38 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.28		1.0006	1.0007	+0.2	2.32E+05	0.73	1.22	6.72	1.96E+03	0.583
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.96E+03	0.602
PCB-105 233'44'-PeCB	32.23		1.0007	1.0007	0	9.31E+05	0.62	1.03	52.1	9.39E+02	0.495
PCB-114 2344'5'-PeCB	31.69	EMPC	1.0007	1.0006	-0.2	3.95E+04	0.74	1.10	2.17	9.39E+02	0.531
PCB-118 23'44'5'-PeCB	31.26		1.0008	1.0008	0	2.42E+06	0.59	1.03	128	9.39E+02	0.498
PCB-123 23'44'5'-PeCB	30.98		1.0007	1.0008	+0.2	4.15E+04	0.56	0.93	2.5	9.39E+02	0.558
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.41E+03	0.494
PCB-156/157 ...-HxCB	37.36	C	1.0005	1.0002	-0.7	3.25E+05	1.43	1.05	20.8	1.07E+03	0.864
PCB-167 23'44'55'-HxCB	36.42		1.0006	1.0006	0	1.23E+05	1.40	1.08	7.01	1.07E+03	0.609
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.07E+03	0.898
PCB-189 233'44'55'-HpCB	42.23		1.0005	1.0005	0	3.30E+04	1.10	1.11	1.28	1.22E+03	0.498
PCB-209 DeCB	47.22		1.0004	1.0003	-0.3	1.31E+05	1.19	1.05	11.3	1.11E+03	1.5
ES PCB-1	9.85		0.7181	0.7175	-0.4	2.47E+06	3.43	1.01	33.6 %	4%	100%
ES PCB-3	11.78		0.8583	0.8583	0	2.90E+06	3.42	1.05	38 %	11%	106%
ES PCB-4	11.98		0.8732	0.8729	-0.2	1.68E+06	1.61	0.70	33.1 %	14%	107%
ES PCB-15	17.10		1.2453	1.2458	+0.5	5.65E+06	1.67	1.17	66.6 %	19%	107%
ES PCB-19	14.68		1.0698	1.0696	-0.2	1.97E+06	1.08	0.57	47.8 %	1%	108%
ES PCB-37	23.09		1.0865	1.0870	+0.7	4.74E+06	1.11	1.41	120 %	25%	123%
ES PCB-54	17.32		0.8157	0.8156	-0.1	2.91E+06	0.75	1.32	78.5 %	13%	105%
ES PCB-77	29.26	V	1.3777	1.3778	+0.2	5.45E+06	0.87	1.22	160 %	31%	109%
ES PCB-81	28.80	V	1.3557	1.3558	+0.2	5.46E+06	0.77	1.15	169 %	14%	127%
ES PCB-104	22.04		0.8147	0.8148	+0.1	2.31E+06	1.61	1.69	50 %	36%	115%
ES PCB-105	32.20		1.1906	1.1905	-0.2	3.36E+06	1.61	1.21	102 %	50%	111%
ES PCB-114	31.67		1.1709	1.1709	0	3.21E+06	1.71	1.23	95 %	41%	121%
ES PCB-118	31.23		1.1547	1.1546	-0.2	3.52E+06	1.65	1.25	103 %	49%	111%
ES PCB-123	30.95		1.1444	1.1443	-0.2	3.47E+06	1.73	1.33	95.5 %	49%	116%
ES PCB-126	34.82	V	1.2871	1.2872	+0.2	4.90E+06	1.67	1.36	132 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.87		0.7939	0.7940	+0.2	2.81E+06	1.32	1.40	90.2 %	25%	124%
ES PCB-156/157	37.35		1.1035	1.1036	+0.2	5.79E+06	1.27	1.13	115 %	40%	120%
ES PCB-167	36.40	V	1.0753	1.0754	+0.2	3.13E+06	1.34	1.13	125 %	45%	118%
ES PCB-169	40.09		1.1842	1.1844	+0.5	2.30E+06	1.32	1.14	91.1 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.68		0.7204	0.7203	-0.2	2.29E+06	1.00	1.34	77.2 %	23%	125%
ES PCB-189	42.21	V	0.9598	0.9597	-0.3	4.49E+06	1.04	1.77	128 %	47%	116%
ES PCB-202	36.19		0.8230	0.8229	-0.2	2.46E+06	0.92	1.27	87.5 %	31%	134%
ES PCB-205	44.38		1.0090	1.0090	0	2.72E+06	0.92	1.25	109 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.84		1.0424	1.0423	-0.3	1.67E+06	0.76	1.07	78.5 %	38%	122%
ES PCB-208	41.81		0.9508	0.9507	-0.3	2.45E+06	0.78	1.34	91.8 %	31%	126%
ES PCB-209	47.20		1.0732	1.0731	-0.3	2.13E+06	1.17	1.18	90.1 %	43%	115%
CS/SS PCB-28	19.69		0.9269	0.9270	+0.1	5.56E+06	1.12	0.98	120 %	14%	131%
CS/SS PCB-111	29.33	V	1.0843	1.0842	-0.2	3.71E+06	1.66	0.90	119 %	57%	112%
CS/SS PCB-178	34.25		1.0118	1.0118	0	1.83E+06	0.96	0.65	123 %	57%	125%
CS PCB-28	19.69	V	0.9269	0.9270	+0.1	5.56E+06	1.12	1.39	143 %	14%	131%
CS PCB-111	29.33	V	1.0843	1.0842	-0.2	3.71E+06	1.66	1.19	114 %	57%	112%
CS PCB-178	34.25		1.0118	1.0118	0	1.83E+06	0.96	0.87	95.1 %	57%	125%
JS PCB-9	13.73					7.25E+06	1.69				
JS PCB-52	21.24					2.80E+06	0.78				
JS PCB-101	27.05					2.74E+06	1.59				
JS PCB-138	33.85					2.21E+06	1.21				
JS PCB-194	43.98					1.99E+06	0.93				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	17.6	17.6	0.607		
						Di-CBs	59.5	59.5	2.8		
						Tri-CBs	223	226	1.72		
						Tetra-CBs	448	453	0.475		
						Penta-CBs	899	903	0.516		
						Hexa-CBs	841	844	0.707		
						Hepta-CBs	252	260	0.855		
						Octa-CBs	96.7	96.7	1.08		
						Nona-CBs	22.7	22.7	1.55		
PCB-1 2-MoCB	9.86		1.0011	1.0011	0	1.07E+05	3.10	1.20	6.97	1.79E+03	0.557
PCB-2 3-MoCB	11.64		0.9878	0.9877	-0.1	6.11E+04	3.25	1.39	2.92	1.79E+03	0.533
PCB-3 4-MoCB	11.79		1.0010	1.0010	0	1.30E+05	3.02	1.13	7.69	1.79E+03	0.657
PCB-4 22'-DiCB	11.99		1.0012	1.0012	0	4.08E+04	SI	0.94	4.98	3.22E+03	2.38
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.56	ND	9.24E+03	4.13
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.93	ND	1.16E+04	3.47
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.10	ND	1.16E+04	2.94
PCB-6 23'-DiCB	14.08		1.0261	1.0262	+0.1	9.16E+04	SI	1.01	3.1	3.43E+03	0.95
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		1.02	ND	1.16E+04	3.18
PCB-8 24'-DiCB	14.46	B	1.0533	1.0534	+0.1	3.96E+05	1.79	1.05	12.9	1.16E+04	3.09
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.20	ND	1.16E+04	2.69
PCB-11 33'-DiCB	16.59	B	0.9701	0.9700	-0.1	6.41E+05	1.54	1.04	21.1	1.16E+04	3.12
PCB-13/12 34'/34-DiCB	16.84	C	0.9855	0.9846	-0.9	7.62E+04	SI	1.03	2.52	3.43E+03	0.928
PCB-15 44'-DiCB	17.11		1.0008	1.0008	0	4.36E+05	1.58	1.01	14.8	1.16E+04	3.21

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		1.01	ND	2.61E+03	1.9
PCB-30/18 246/22'5-TrCB	16.32	C	1.1110	1.1115	+0.5	3.08E+05	1.00	1.32	23	2.61E+03	1.45
PCB-17 22'4-TrCB	16.67		1.1357	1.1358	+0.1	1.60E+05	0.89	1.12	14	2.61E+03	1.7
PCB-27 23'6-TrCB	NotFnd		1.1479	-		0.00E+00		1.46	ND	2.61E+03	1.31
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.48	ND	2.61E+03	1.29
PCB-16 22'3-TrCB	17.05		1.1612	1.1613	+0.1	1.04E+05	1.09	0.87	11.7	2.61E+03	2.2
PCB-32 24'6-TrCB	17.51		1.1923	1.1925	+0.2	1.68E+05	0.95	1.56	10.6	2.61E+03	1.23
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.37	ND	4.86E+03	1.36
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	4.86E+03	1.29
PCB-26/29 23'5/245-TrCB	18.99	C	0.8236	0.8224	-1.4	2.56E+05	0.97	1.43	7.3	4.86E+03	1.3
PCB-25 23'4-TrCB	19.19	EMPC	0.8315	0.8311	-0.5	1.06E+05	0.87	1.43	3.01	4.86E+03	1.3
PCB-31 24'5-TrCB	19.45		0.8430	0.8427	-0.4	1.47E+06	1.08	1.49	40.2	4.86E+03	1.25
PCB-28/20 244'/233'-TrCB	19.71	C	0.8542	0.8536	-0.7	1.93E+06	1.04	1.37	57.4	4.86E+03	1.36
PCB-21/33 234/23'4'-TrCB	19.90	C	0.8612	0.8620	+1.0	7.32E+05	1.08	1.45	20.6	4.86E+03	1.28
PCB-22 234'-TrCB	20.23		0.8766	0.8763	-0.4	5.36E+05	1.14	1.29	16.9	4.86E+03	1.44
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.38	ND	4.86E+03	1.35
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.43	ND	4.86E+03	1.3
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	4.86E+03	1.45
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00		1.26	ND	4.86E+03	1.47
PCB-37 344'-TrCB	23.11		1.0008	1.0008	0	6.37E+05	1.14	1.20	21.7	4.86E+03	1.55
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	7.06E+02	0.407
PCB-50/53 22'46/22'56'-TeCB	19.20	C	0.9051	0.9039	-1.4	9.33E+04	0.83	0.64	5.13	6.43E+02	0.382
PCB-45 22'36-TeCB	19.77	EMPC	0.9304	0.9306	+0.2	6.21E+04	0.66	0.57	3.87	6.43E+02	0.432
PCB-51 22'46'-TeCB	19.84		0.9340	0.9340	0	3.50E+04	0.70	0.64	1.95	6.43E+02	0.385
PCB-46 22'36'-TeCB	20.02		0.9429	0.9427	-0.2	2.57E+04	0.79	0.53	1.72	6.43E+02	0.465
PCB-52 22'55'-TeCB	21.26		1.0010	1.0010	0	1.05E+06	0.81	0.62	60.3	6.43E+02	0.399
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.82	ND	6.43E+02	0.301
PCB-43 22'35-TeCB	21.46		1.0106	1.0105	-0.1	1.75E+04	0.75	0.56	1.1	6.43E+02	0.436
PCB-69/49 23'46/22'45'-TeCB	21.68	C	1.0198	1.0207	+1.2	6.15E+05	0.76	0.77	28.2	6.43E+02	0.318
PCB-48 22'45-TeCB	21.92		1.0319	1.0320	+0.1	1.17E+05	0.81	0.65	6.36	6.43E+02	0.376
PCB-44/47/65 ...-TeCB	22.10	C	1.0416	1.0407	-1.2	8.66E+05	0.79	0.69	44.4	6.43E+02	0.356
PCB-59/62/75 ...-TeCB	22.39	C	1.0541	1.0542	+0.1	8.27E+04	0.80	0.87	3.37	6.43E+02	0.283
PCB-42 22'34'-TeCB	22.54		1.0612	1.0613	+0.1	1.92E+05	0.77	0.63	10.9	6.43E+02	0.393
PCB-41 22'34-TeCB	22.85		1.0759	1.0759	0	3.85E+04	0.76	0.55	2.46	6.43E+02	0.444
PCB-71/40 23'4'6/22'33'-TeCB	22.96	C	1.0806	1.0809	+0.4	3.40E+05	0.73	0.67	17.9	6.43E+02	0.366
PCB-64 234'6-TeCB	23.15		1.0899	1.0901	+0.3	4.32E+05	0.80	0.94	16.3	6.43E+02	0.261
PCB-72 23'55'-TeCB	23.89		0.8295	0.8297	+0.3	3.64E+04	0.70	1.11	1.16	1.96E+03	0.674
PCB-68 23'45'-TeCB	24.14	J EMPC	0.8379	0.8383	+0.6	2.40E+04	0.93	1.21	0.703	1.96E+03	0.621
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.09	ND	1.96E+03	0.689
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.10	ND	1.96E+03	0.684
PCB-67 23'45-TeCB	24.83		0.8620	0.8623	+0.4	8.24E+04	0.86	1.14	2.57	1.96E+03	0.659
PCB-63 234'5-TeCB	25.06		0.8697	0.8700	+0.5	7.81E+04	0.84	1.20	2.31	1.96E+03	0.625
PCB-61/70/74/76 ...-TeCB	25.35	C	0.8792	0.8801	+1.4	3.88E+06	0.77	1.14	121	1.96E+03	0.658
PCB-66 23'44'-TeCB	25.60		0.8888	0.8891	+0.5	2.16E+06	0.76	1.06	72	1.96E+03	0.706
PCB-55 233'4-TeCB	25.72	J	0.8932	0.8933	+0.2	3.07E+04	0.83	1.14	0.955	1.96E+03	0.659

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.16		0.9080	0.9082	+0.3	8.67E+05	0.75	1.06	28.9	1.96E+03	0.706
PCB-60 2344'-TeCB	26.34		0.9144	0.9146	+0.3	4.03E+05	0.81	1.14	12.5	1.96E+03	0.657
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	1.96E+03	0.61
PCB-79 33'45'-TeCB	27.98	J EMPC	0.9718	0.9714	-0.7	2.95E+04	0.63	1.22	0.856	1.96E+03	0.615
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.05	ND	1.96E+03	0.715
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	6.75E+02	0.524
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.92	ND	6.75E+02	0.522
PCB-103 22'45'6'-PeCB	24.05		0.8883	0.8890	+1.0	1.95E+04	0.67	0.78	1.39	9.39E+02	0.661
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.68	ND	9.39E+02	0.762
PCB-95 22'35'6'-PeCB	24.58		0.9082	0.9086	+0.6	1.25E+06	0.63	0.70	99.6	9.39E+02	0.741
PCB-100/93 22'44'6'/22'356'-PeCB	24.78	J C	0.9158	0.9161	+0.4	2.09E+04	0.64	0.73	1.6	9.39E+02	0.709
PCB-102 22'456'-PeCB	24.89		0.9198	0.9203	+0.7	4.87E+04	0.58	0.86	3.16	9.39E+02	0.602
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.67	ND	9.39E+02	0.775
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.66	ND	9.39E+02	0.778
PCB-91 22'34'6'-PeCB	25.31		0.9352	0.9356	+0.6	2.42E+05	0.58	0.82	16.4	9.39E+02	0.629
PCB-84 22'33'6'-PeCB	25.48		0.9416	0.9420	+0.6	3.42E+05	0.67	0.63	30.1	9.39E+02	0.815
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.66	ND	9.39E+02	0.785
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		0.99	ND	9.39E+02	0.521
PCB-92 22'355'-PeCB	26.58		0.9825	0.9826	+0.2	3.18E+05	0.57	0.70	25.3	9.39E+02	0.74
PCB-113/90/101 ...-PeCB	27.07	C	0.9999	1.0008	+1.5	1.84E+06	0.63	0.82	125	9.39E+02	0.63
PCB-83 22'33'5'-PeCB	27.46		1.0150	1.0150	0	1.00E+05	0.62	0.60	9.36	9.39E+02	0.867
PCB-99 22'44'5'-PeCB	27.56		1.0190	1.0189	-0.2	1.02E+06	0.63	0.72	79	9.39E+02	0.717
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		0.94	ND	9.39E+02	0.548
PCB-108/119/86/97/125...-PeCB	28.01	C	1.0347	1.0355	+1.3	1.28E+06	0.62	0.84	84.2	9.39E+02	0.612
PCB-117 234'56'-PeCB	28.50		1.0539	1.0534	-0.9	3.16E+04	0.60	0.86	2.04	9.39E+02	0.6
PCB-116/85 23456/22'344'-PeCB	28.58	C	1.0566	1.0564	-0.3	3.62E+05	0.63	0.88	22.8	9.39E+02	0.586
PCB-110 233'4'6'-PeCB	28.71		1.0615	1.0614	-0.2	2.85E+06	0.61	0.87	183	9.39E+02	0.593
PCB-115 2344'6'-PeCB	28.80		1.0644	1.0648	+0.7	4.22E+04	0.64	1.00	2.35	9.39E+02	0.516
PCB-82 22'33'4'-PeCB	28.97		1.0711	1.0708	-0.5	1.66E+05	0.57	0.62	14.8	9.39E+02	0.829
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		0.99	ND	9.39E+02	0.519
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		0.98	ND	9.39E+02	0.526
PCB-107/124 ...-PeCB	30.68	C	0.9909	0.9911	+0.4	8.41E+04	0.67	0.92	5.07	9.39E+02	0.559
PCB-109 233'46'-PeCB	30.88		0.9976	0.9976	0	1.82E+05	0.59	0.90	11.2	9.39E+02	0.571
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.92	ND	9.39E+02	0.56
PCB-122 233'4'5'-PeCB	31.52	EMPC	1.0095	1.0093	-0.4	2.12E+04	0.86	0.94	1.35	9.39E+02	0.617
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.99	ND	9.39E+02	0.514
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	6.97E+02	0.455
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	6.97E+02	0.485
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.01	ND	6.97E+02	0.478
PCB-136 22'33'66'-HxCB	27.45		1.0216	1.0215	-0.2	2.79E+05	1.16	0.92	21	6.97E+02	0.524
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	6.97E+02	0.505
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.73	ND	6.97E+02	0.655
PCB-151/135 ...-HxCB	29.51	C	1.0986	1.0982	-0.7	5.49E+05	1.25	0.72	52.9	6.97E+02	0.672
PCB-154 22'44'56'-HxCB	29.74		1.1067	1.1066	-0.2	4.08E+04	1.28	0.81	3.48	6.97E+02	0.596
PCB-144 22'345'6'-HxCB	29.98		1.1158	1.1157	-0.2	7.52E+04	1.28	0.74	7.04	6.97E+02	0.653

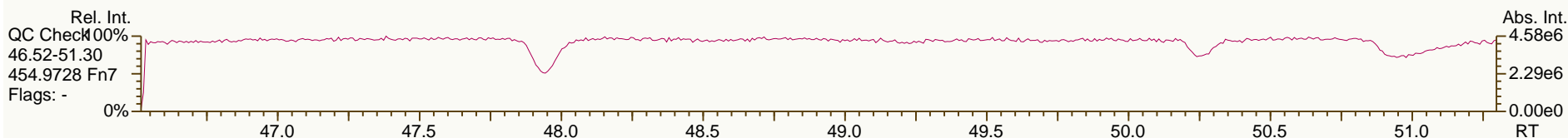
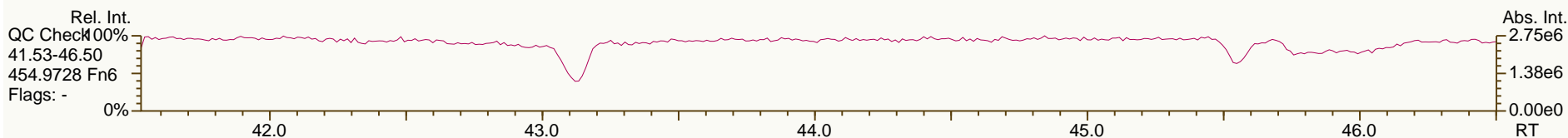
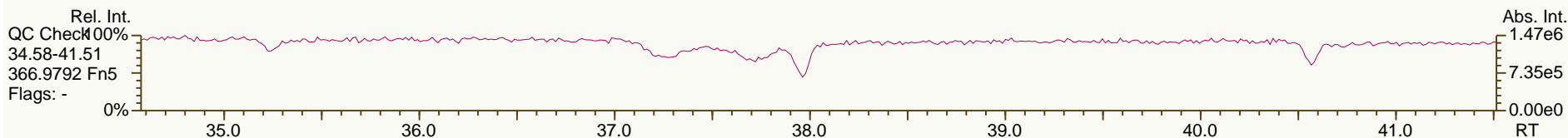
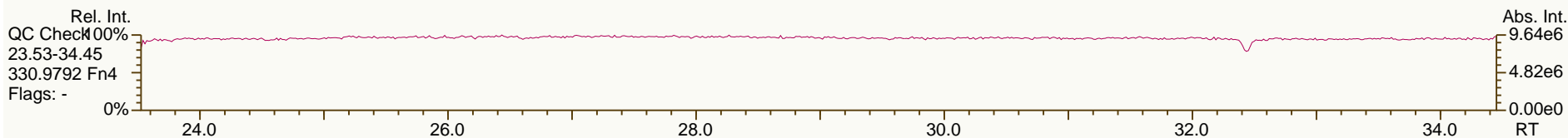
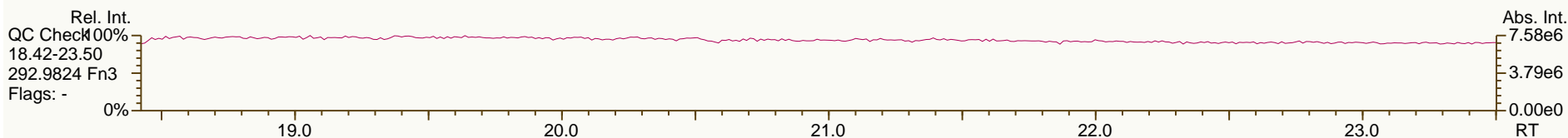
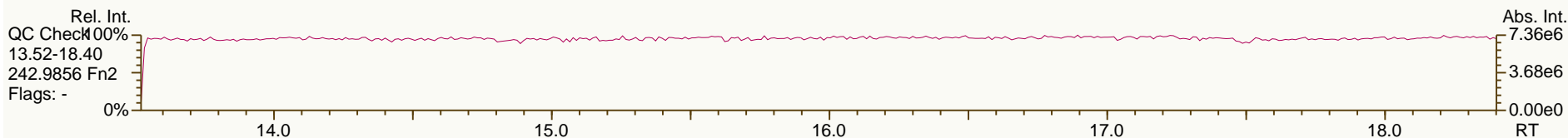
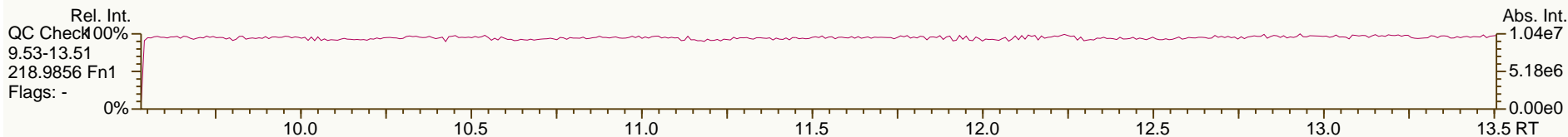
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.28	C	1.1269	1.1266	-0.5	1.42E+06	1.30	0.75	131	6.97E+02	0.641
PCB-134 22'33'56"-HxCB	30.43		1.1326	1.1324	-0.4	9.28E+04	1.35	0.59	10.8	6.97E+02	0.809
PCB-143 22'3456"-HxCB	NotFnd		1.1356	-		0.00E+00		0.72	ND	6.97E+02	0.671
PCB-139/140 ...-HxCB	30.78	EMPC C	1.1458	1.1454	-0.7	3.62E+04	1.65	0.77	3.24	6.97E+02	0.624
PCB-131 22'33'46"-HxCB	30.94		1.1516	1.1513	-0.6	2.16E+04	1.31	0.65	2.28	6.97E+02	0.736
PCB-142 22'3456"-HxCB	NotFnd		1.1564	-		0.00E+00		0.68	ND	6.97E+02	0.703
PCB-132 22'33'46"-HxCB	31.32		1.1655	1.1654	-0.2	5.73E+05	1.30	0.67	59.3	6.97E+02	0.721
PCB-133 22'33'55"-HxCB	31.78		1.1826	1.1825	-0.2	3.63E+04	1.33	0.69	3.64	6.97E+02	0.699
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.85	ND	6.97E+02	0.566
PCB-146 22'34'55"-HxCB	32.32		0.9550	0.9550	0	3.38E+05	1.26	0.76	30.8	6.97E+02	0.634
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.93	ND	6.97E+02	0.519
PCB-153/168 ...-HxCB	32.84	C	0.9709	0.9702	-1.4	2.08E+06	1.28	0.89	162	6.97E+02	0.541
PCB-141 22'3455"-HxCB	32.99		0.9746	0.9747	+0.2	2.46E+05	1.24	0.73	23.2	6.97E+02	0.658
PCB-130 22'33'45"-HxCB	33.33		0.9847	0.9847	0	1.37E+05	1.13	0.63	14.9	6.97E+02	0.762
PCB-137 22'344'5"-HxCB	33.52		0.9904	0.9904	0	1.07E+05	1.19	0.81	9.05	6.97E+02	0.592
PCB-164 233'4'5'6"-HxCB	33.61		0.9930	0.9930	0	1.66E+05	1.42	0.89	12.8	6.97E+02	0.538
PCB-163/138/129 ...-HxCB	33.87	C	1.0012	1.0008	-0.8	2.50E+06	1.22	0.78	219	6.97E+02	0.612
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.87	ND	6.97E+02	0.552
PCB-158 233'44'6"-HxCB	34.20		1.0106	1.0106	0	2.97E+05	1.16	1.00	20.4	6.97E+02	0.479
PCB-128/166 ...-HxCB	34.92	C	0.9593	0.9594	+0.2	4.62E+05	1.27	0.97	29.4	1.07E+03	0.677
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.08	ND	1.07E+03	0.607
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.14	ND	1.07E+03	0.576
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	6.09E+02	0.473
PCB-179 22'33'566"-HpCB	31.96		1.0089	1.0089	0	1.96E+05	0.92	1.06	15.6	6.09E+02	0.475
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.04	ND	6.09E+02	0.486
PCB-176 22'33'466"-HpCB	32.70		1.0324	1.0322	-0.4	5.09E+04	1.10	1.13	3.79	6.09E+02	0.445
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.10	ND	6.09E+02	0.459
PCB-178 22'33'55'6"-HpCB	34.27	EMPC	1.0816	1.0816	0	7.17E+04	1.20	0.78	7.75	6.09E+02	0.646
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00		0.86	ND	1.32E+03	1.27
PCB-187 22'34'55'6"-HpCB	35.03		1.1057	1.1058	+0.2	5.78E+05	0.94	0.89	54.7	1.32E+03	1.23
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.92	ND	1.32E+03	1.19
PCB-183 22'344'5'6"-HpCB	35.54		1.1219	1.1220	+0.2	2.22E+05	1.04	0.92	20.3	1.32E+03	1.19
PCB-185 22'3455'6"-HpCB	35.60		1.1241	1.1239	-0.4	4.59E+04	1.03	0.88	4.39	1.32E+03	1.24
PCB-174 22'33'456"-HpCB	35.72		1.1276	1.1276	0	3.29E+05	0.95	0.78	35.7	1.32E+03	1.41
PCB-177 22'33'45'6"-HpCB	36.09		1.1393	1.1393	0	2.24E+05	1.08	0.74	25.5	1.32E+03	1.48
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.85	ND	1.32E+03	1.29
PCB-171/173 ...-HpCB	36.62	C	1.1556	1.1560	+0.9	1.07E+05	1.11	0.77	11.7	1.32E+03	1.43
PCB-172 22'33'455"-HpCB	38.01		0.9003	0.9004	+0.2	5.49E+04	1.05	0.51	4.64	1.32E+03	1.18
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.66	ND	1.32E+03	0.914
PCB-180/193 ...-HpCB	38.55	C	0.9127	0.9133	+1.4	9.27E+05	1.04	0.84	47.4	1.32E+03	0.714
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00		0.67	ND	1.32E+03	0.894
PCB-170 22'33'44'5"-HpCB	39.59		0.9380	0.9379	-0.2	3.50E+05	1.03	0.70	21.6	1.32E+03	0.863
PCB-190 233'44'56"-HpCB	40.04		0.9486	0.9486	0	8.83E+04	0.89	0.66	5.73	1.32E+03	0.908
PCB-202 22'33'55'66"-OoCB	36.21		1.0006	1.0005	-0.2	6.13E+04	0.82	0.83	5.82	1.05E+03	1.14
PCB-201 22'33'45'66"-OoCB	36.99		1.0221	1.0219	-0.4	3.36E+04	0.87	0.94	2.81	1.05E+03	1.01

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	1.05E+03	1.04
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		1.00	ND	1.05E+03	0.941
PCB-200 22'33'4566'-OcCB	37.83		1.0451	1.0453	+0.5	1.92E+04	0.97	0.88	1.71	1.05E+03	1.08
PCB-198/199 ...-OcCB	40.21	C	1.1102	1.1109	+1.7	2.35E+05	0.93	0.58	31.6	1.05E+03	1.62
PCB-196 22'33'44'56'-OcCB	40.76		1.1260	1.1261	+0.2	8.10E+04	0.93	0.60	10.6	1.05E+03	1.58
PCB-203 22'344'55'6-OcCB	40.92		1.1306	1.1308	+0.5	1.45E+05	0.91	0.63	18	1.05E+03	1.49
PCB-195 22'33'44'56-OcCB	42.02		0.9469	0.9468	-0.3	7.28E+04	0.94	0.74	7.02	1.49E+03	1.51
PCB-194 22'33'44'55'-OcCB	44.00		0.9915	0.9915	0	2.21E+05	1.01	0.82	19.1	1.49E+03	1.35
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	1.49E+03	1.02
PCB-208 22'33'455'66'-NoCB	41.84		1.0005	1.0006	+0.3	6.31E+04	0.80	0.98	5.1	1.21E+03	1.22
PCB-207 22'33'44'566'-NoCB	42.61		1.0192	1.0190	-0.5	2.47E+04	0.72	1.01	1.94	1.21E+03	1.19
PCB-206 22'33'44'55'6-NoCB	45.86		1.0004	1.0005	+0.3	1.27E+05	0.77	0.93	15.7	1.21E+03	1.87

AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

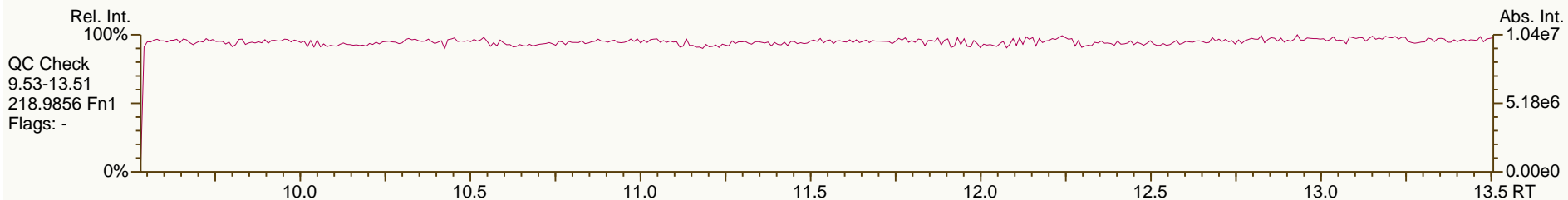
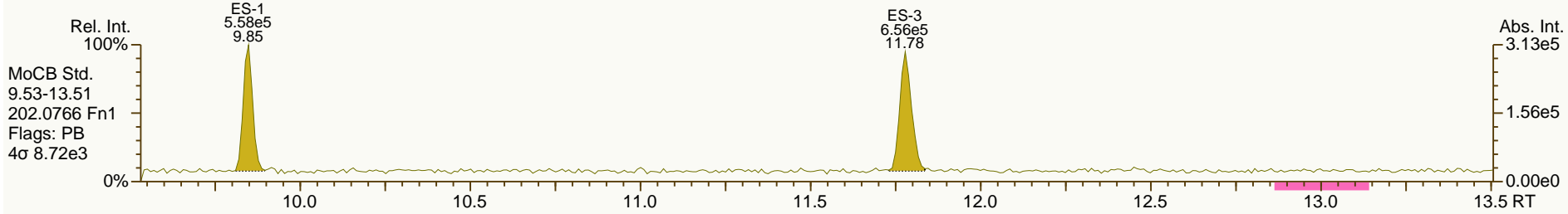
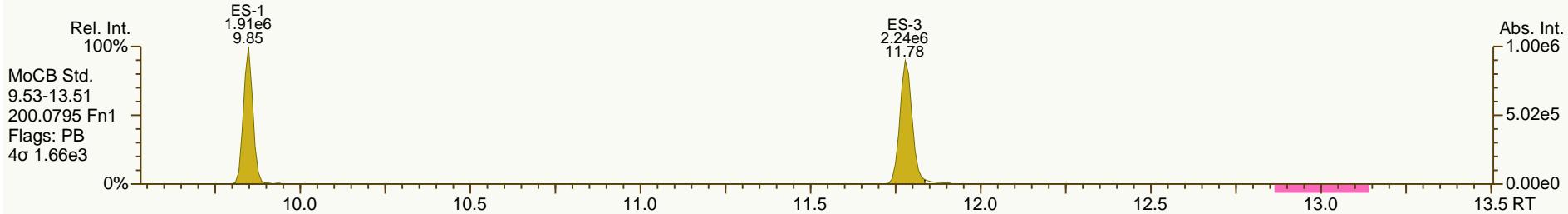
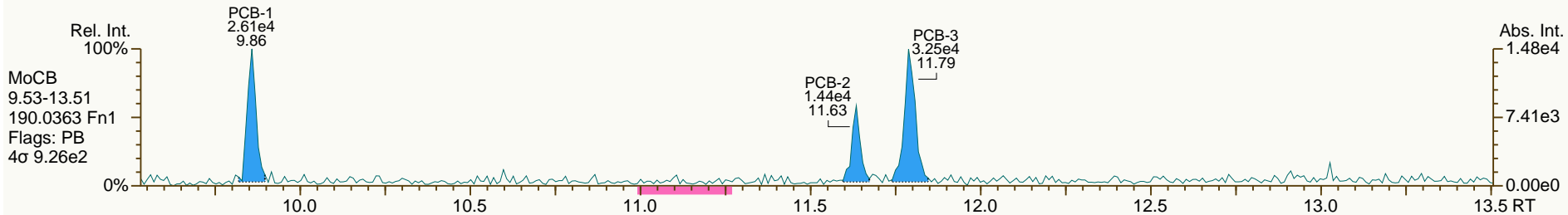
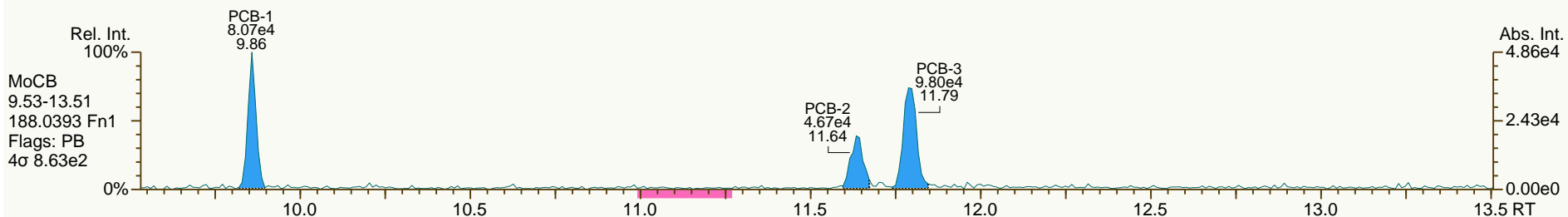
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

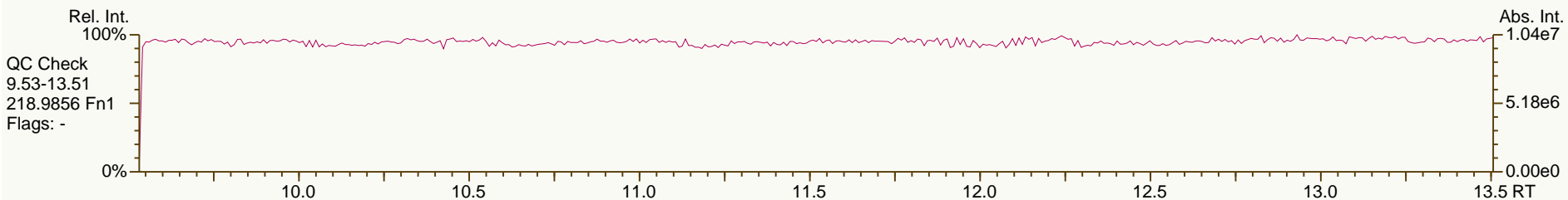
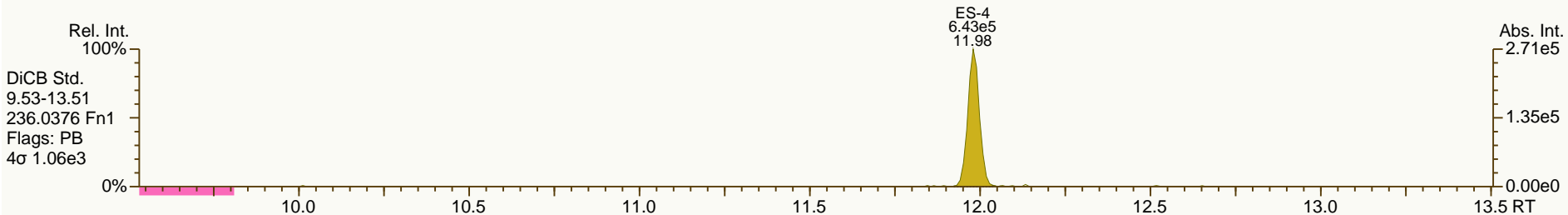
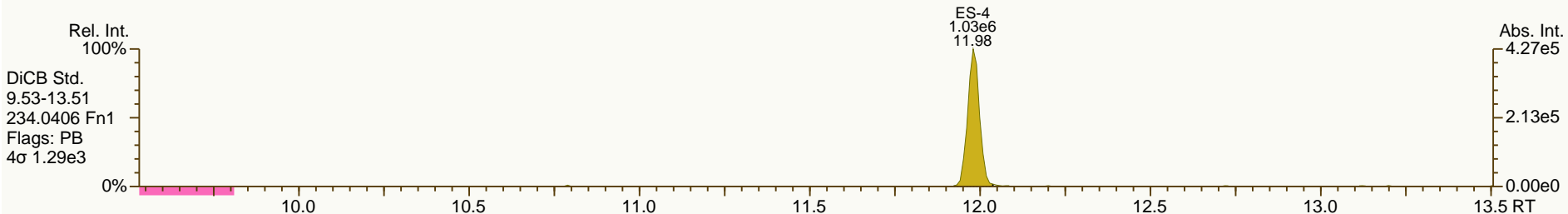
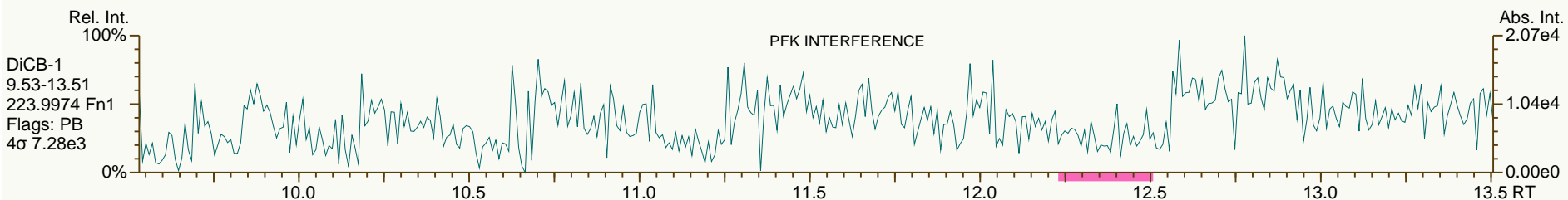
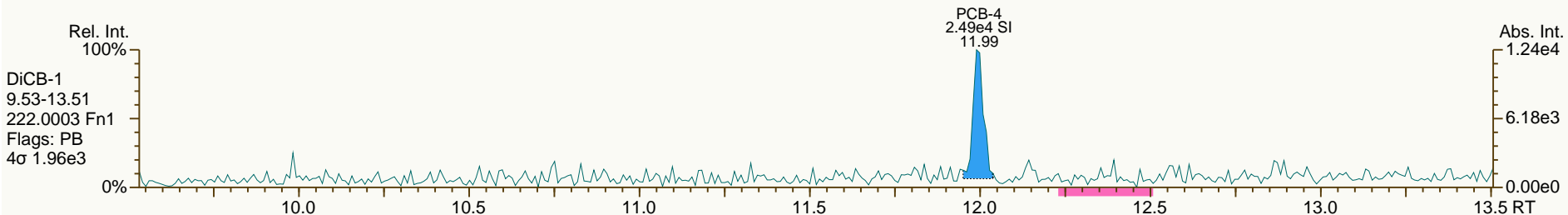
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

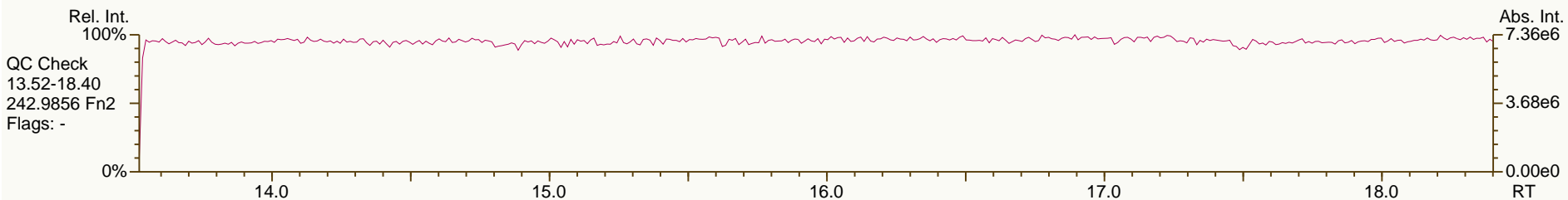
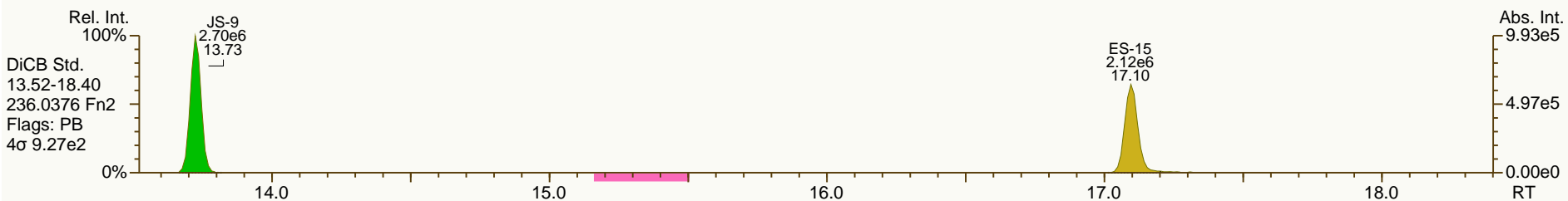
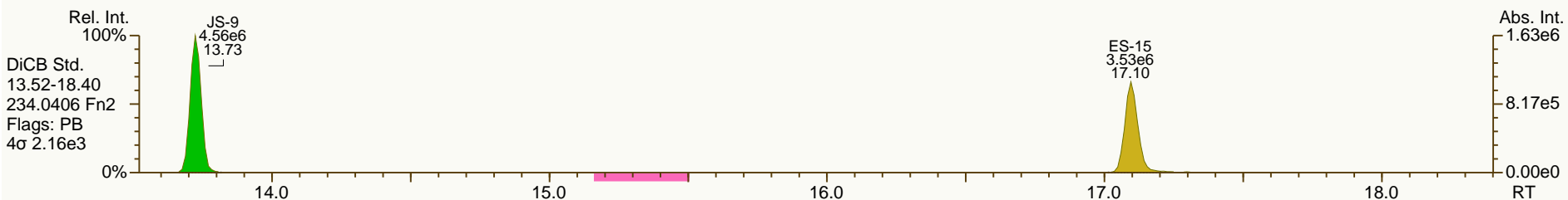
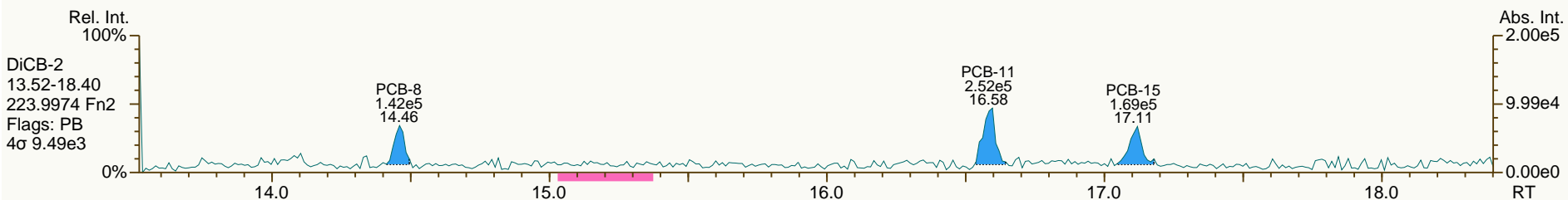
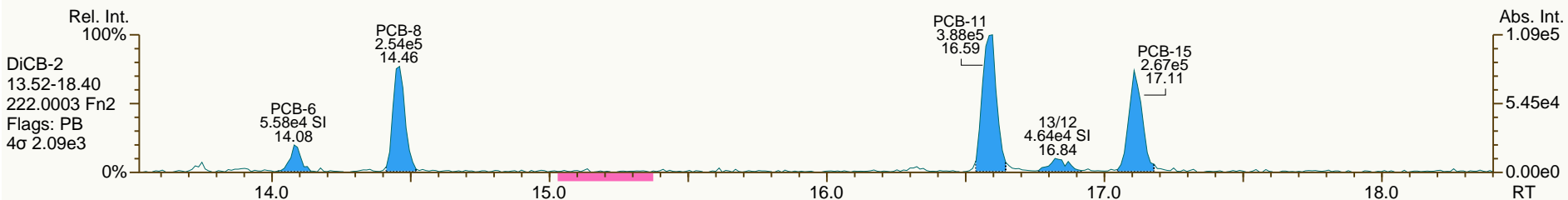
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

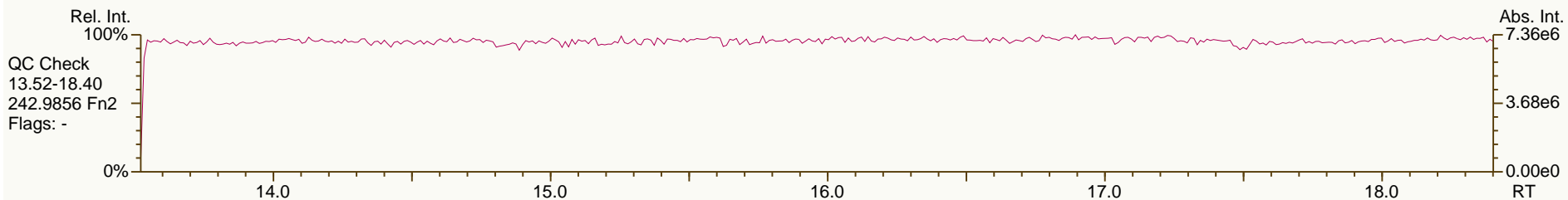
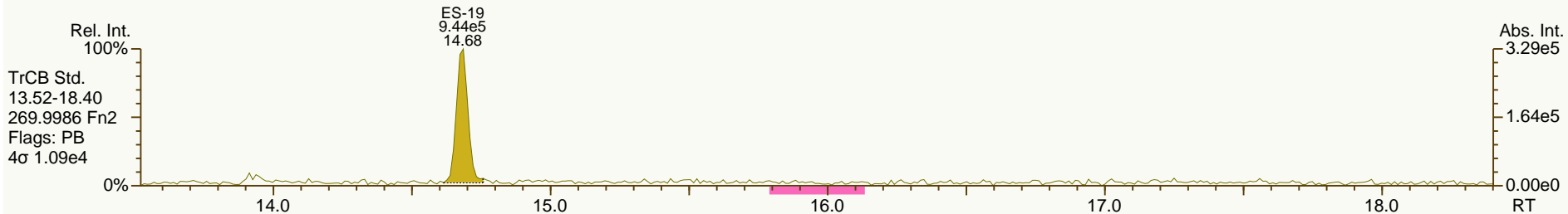
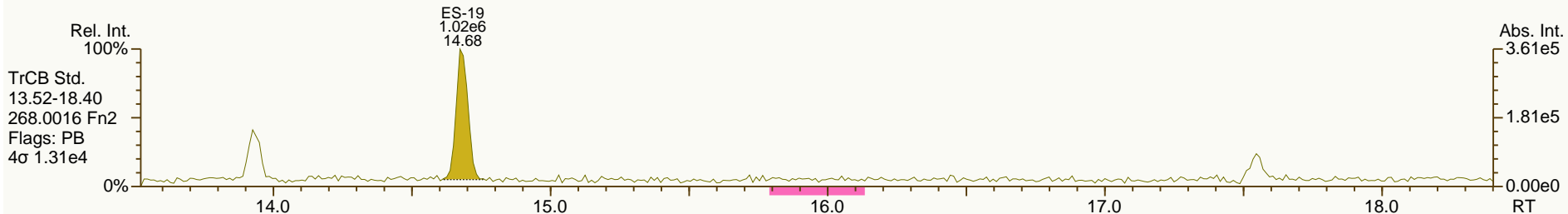
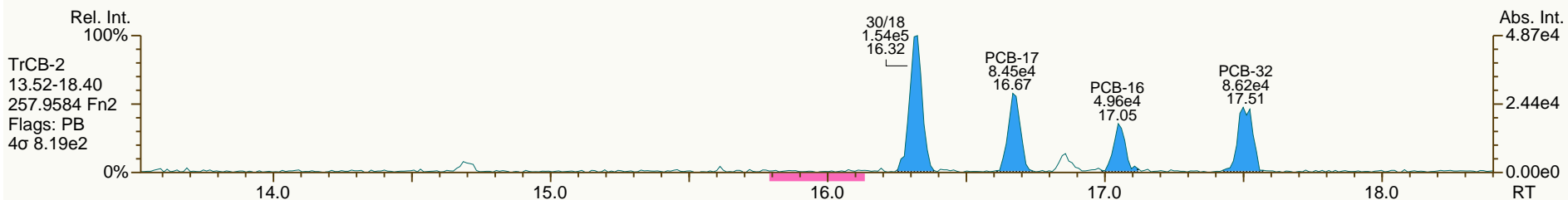
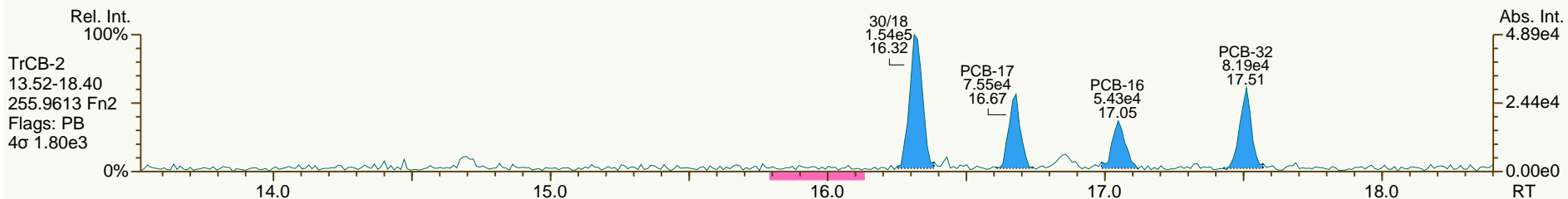
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

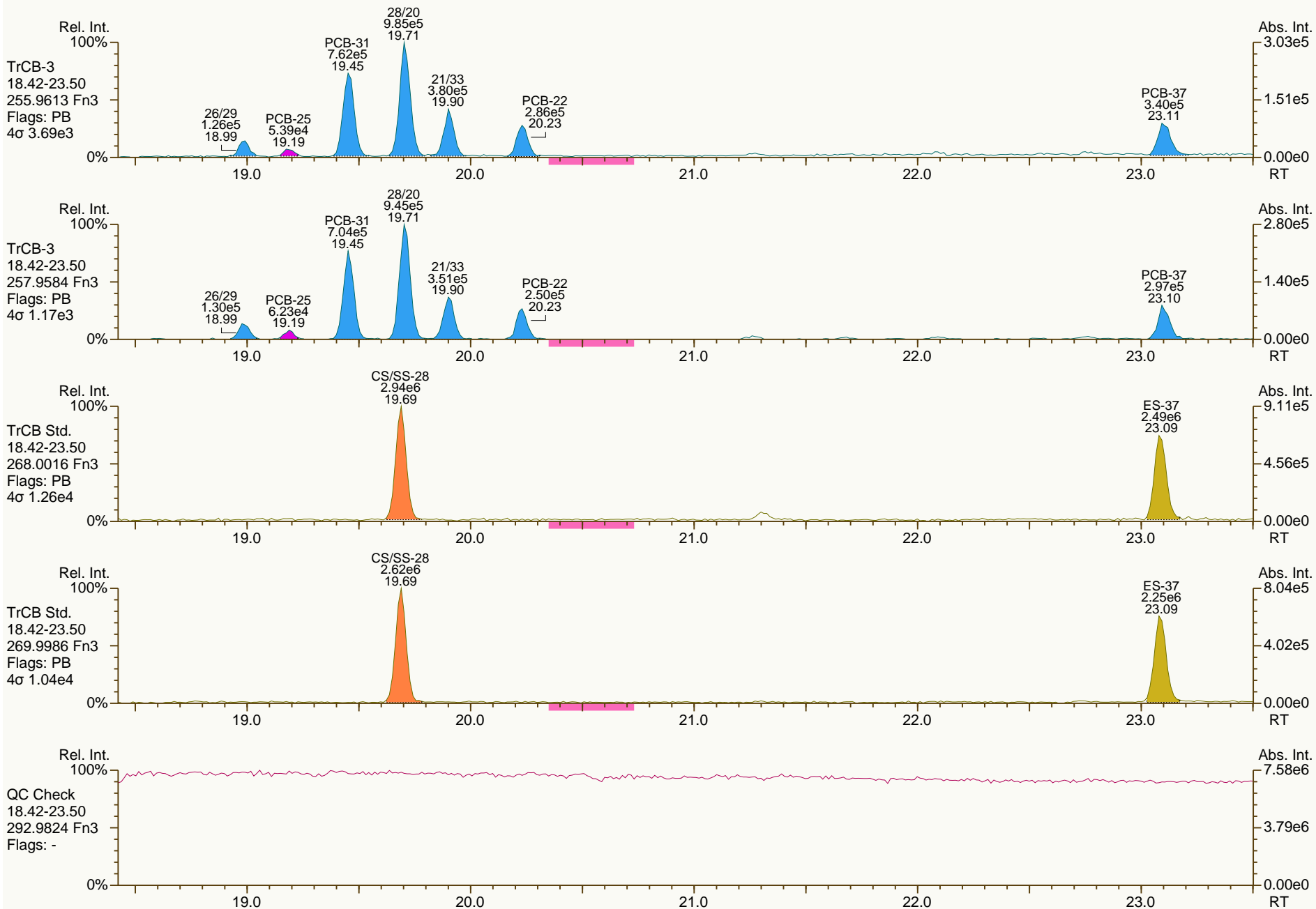
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

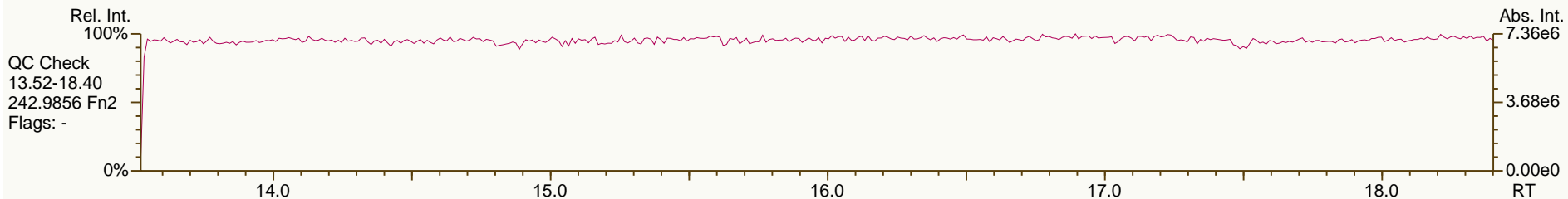
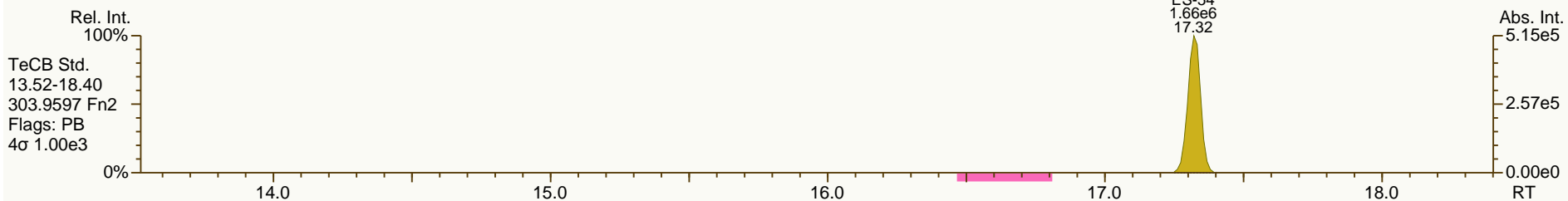
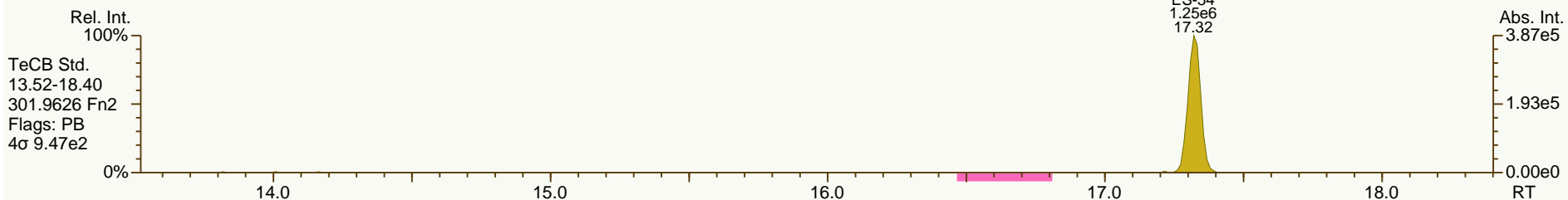
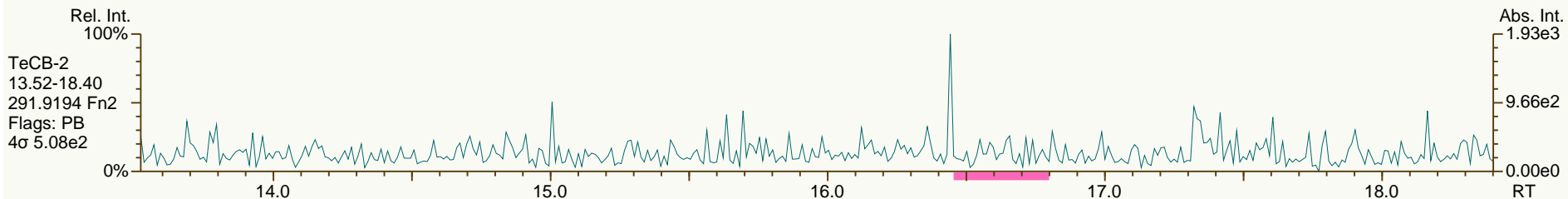
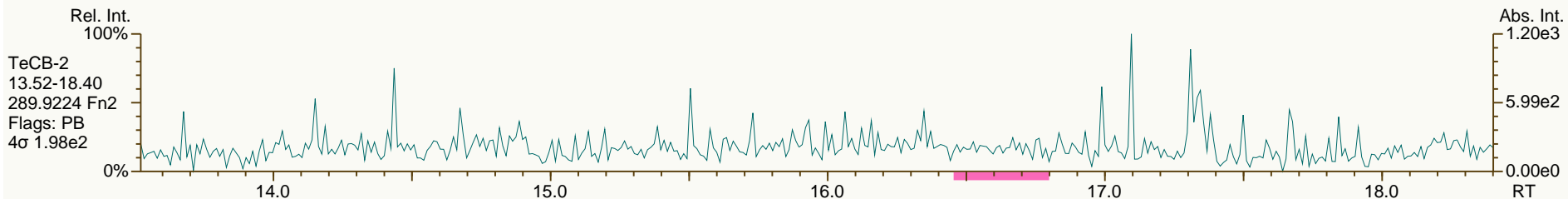
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

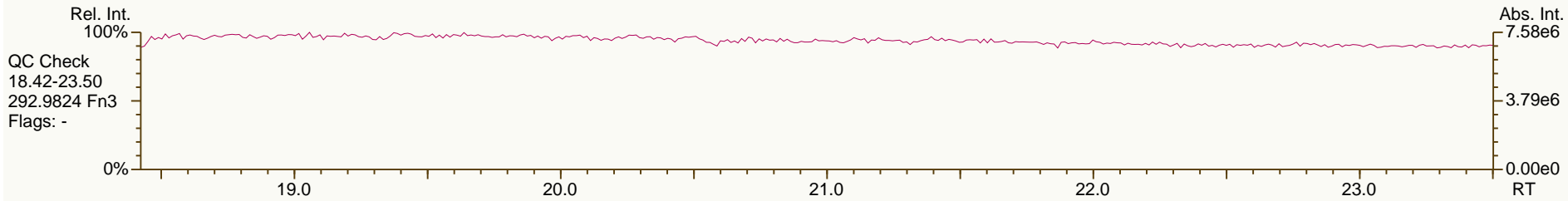
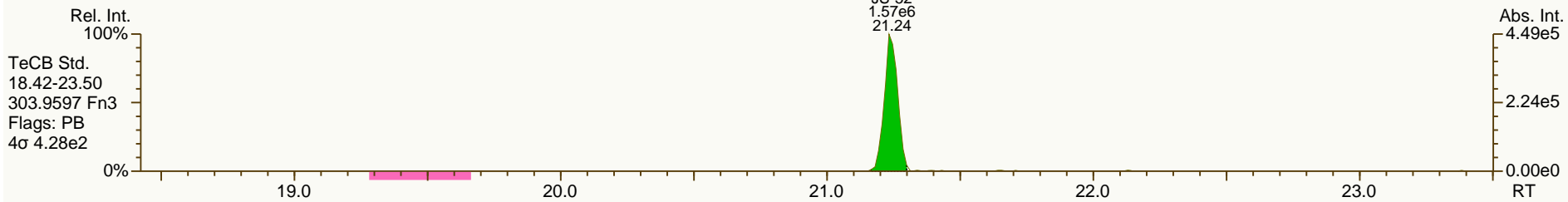
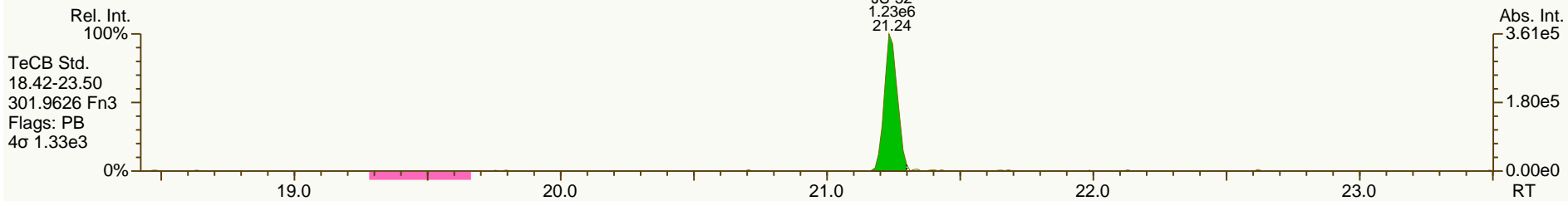
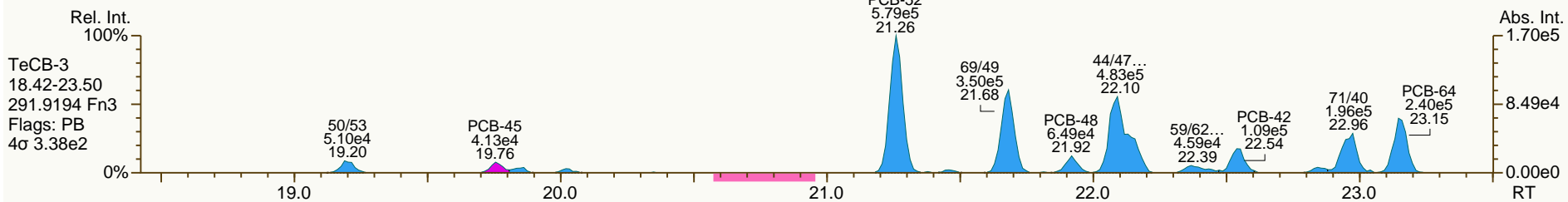
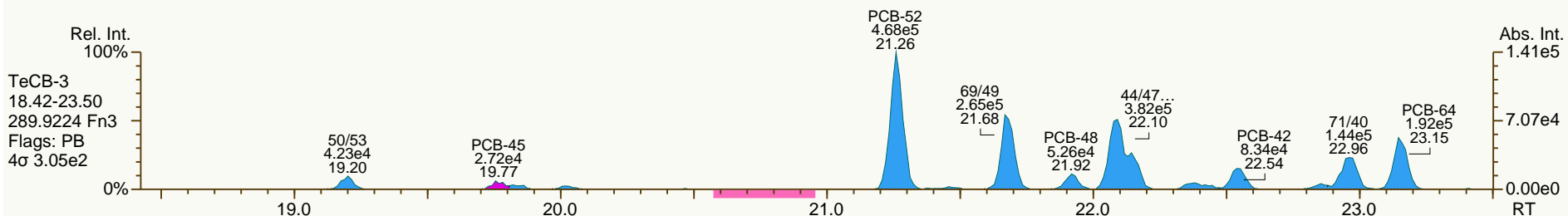
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

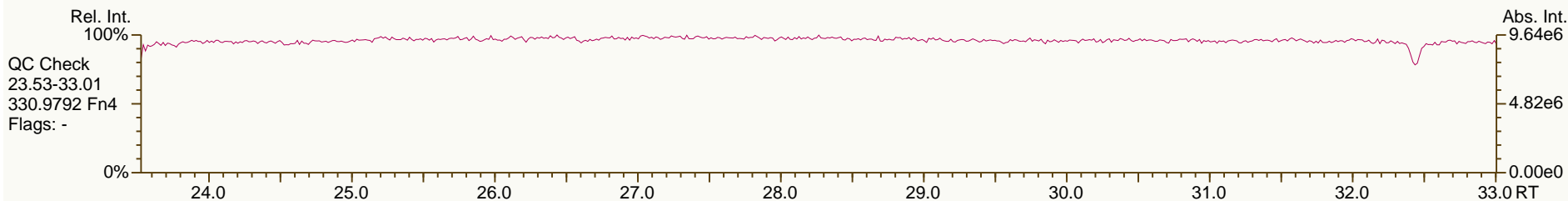
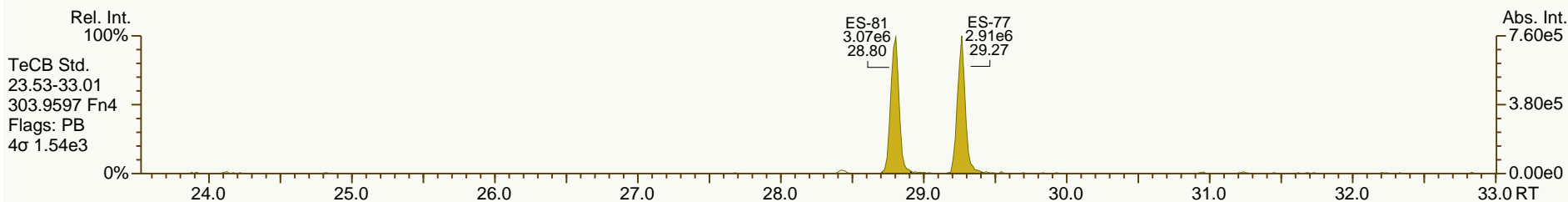
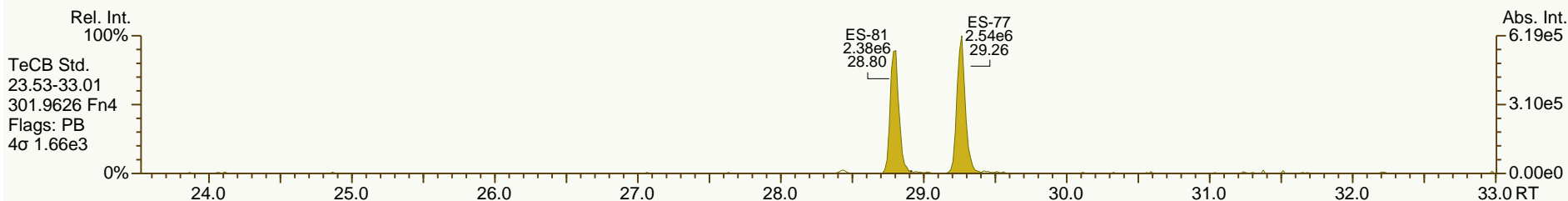
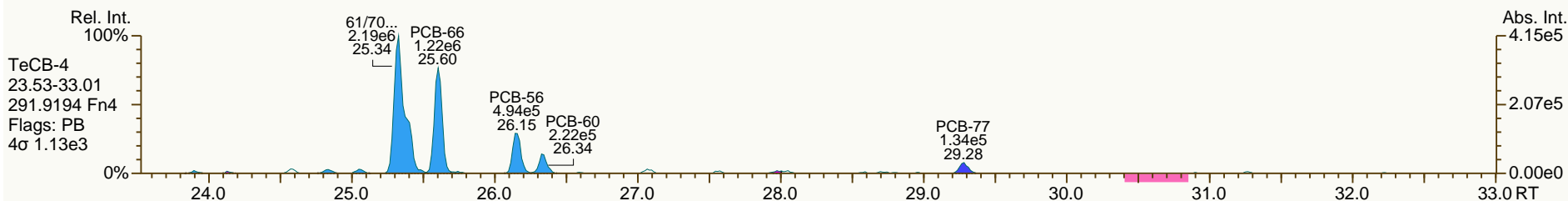
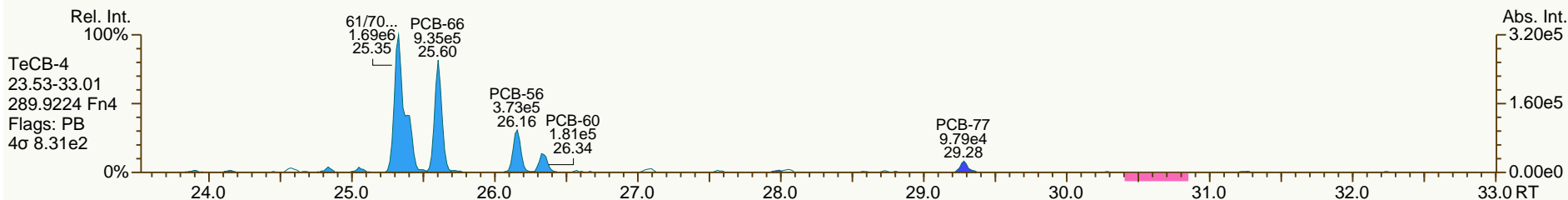
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

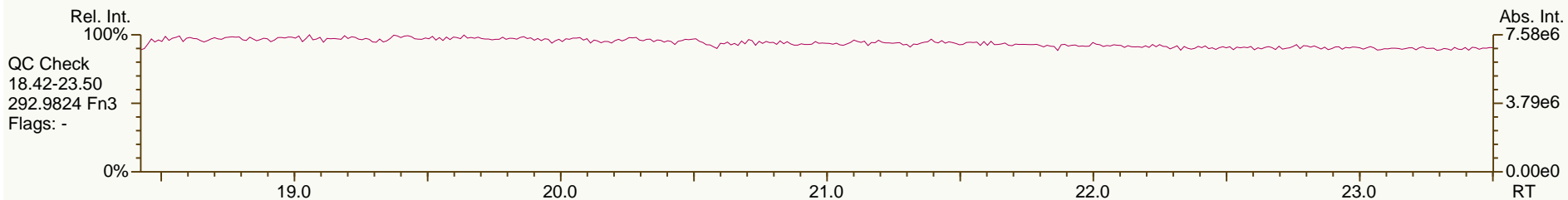
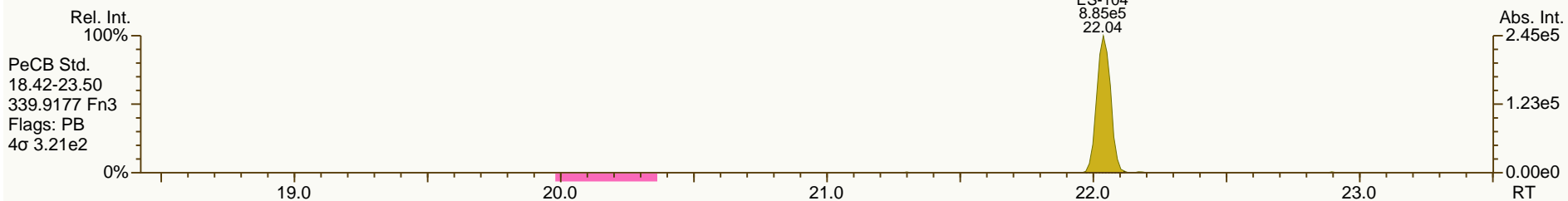
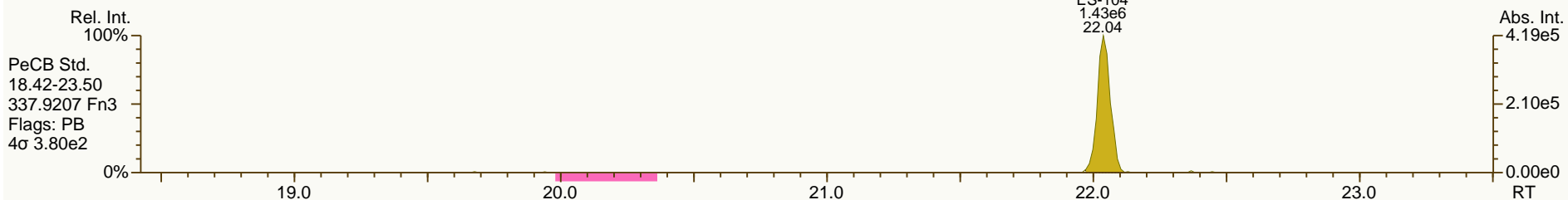
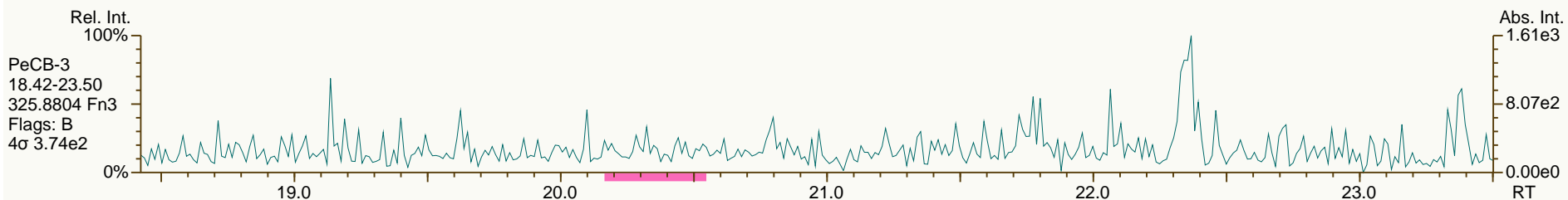
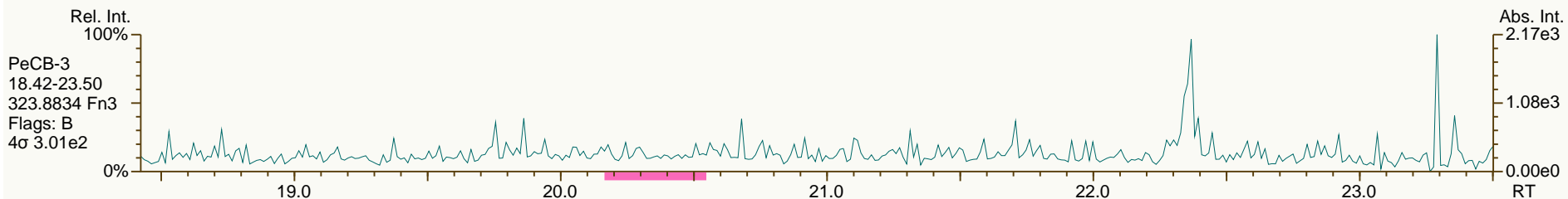
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

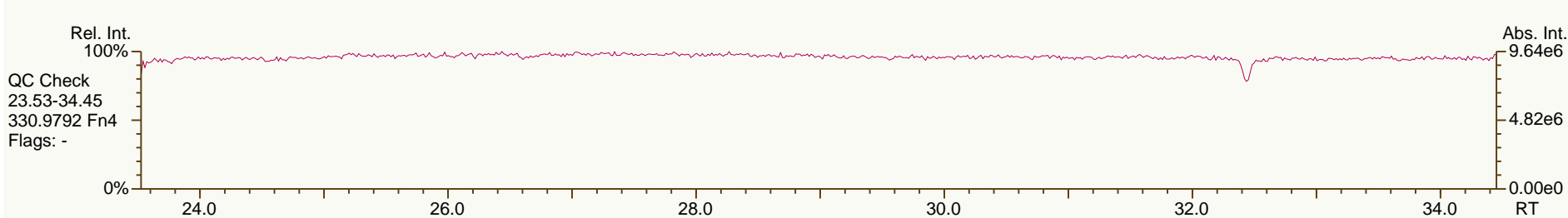
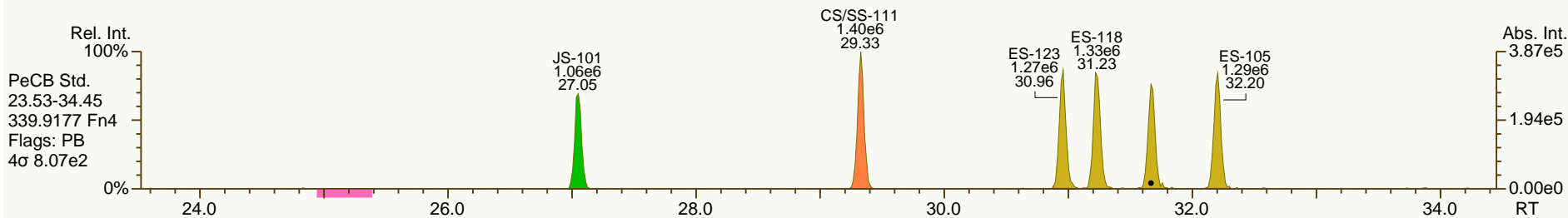
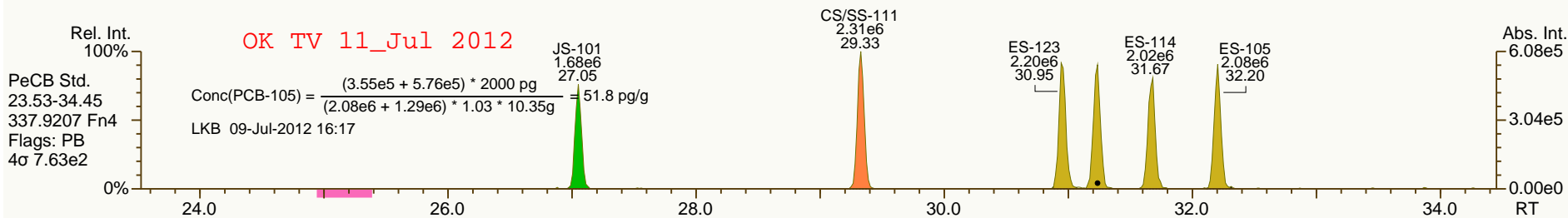
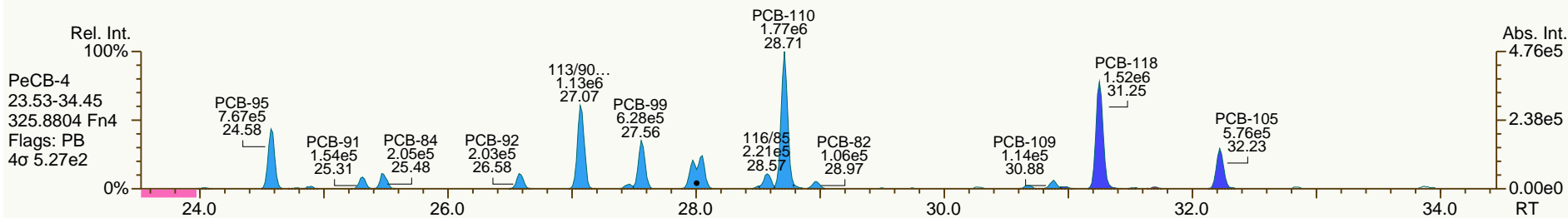
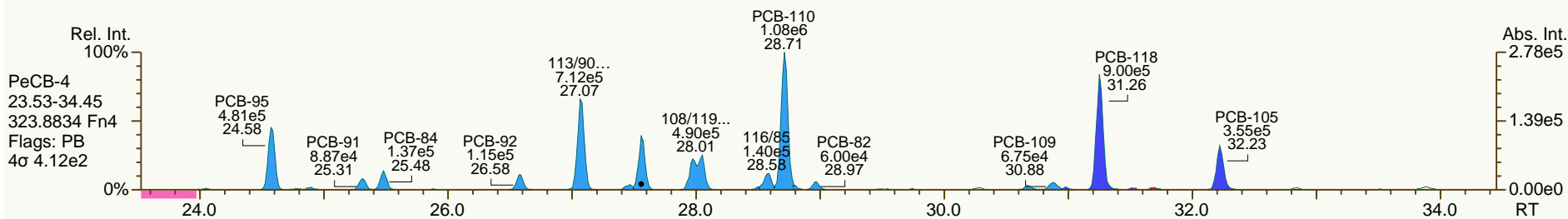
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

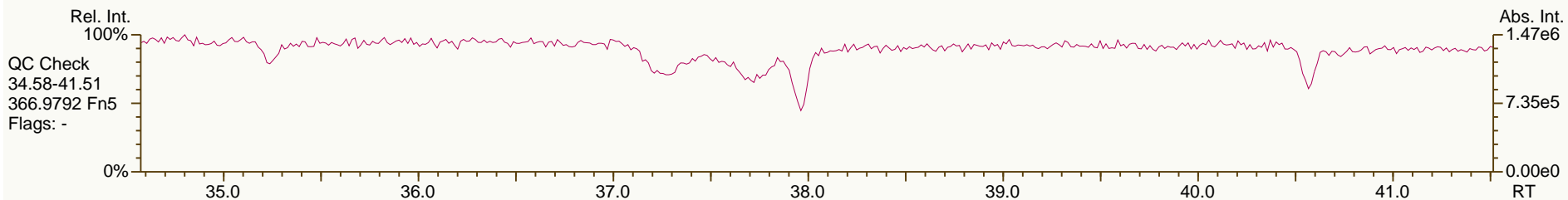
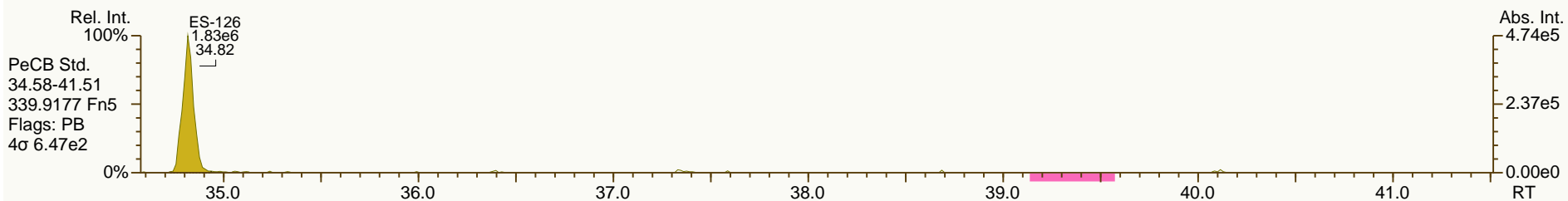
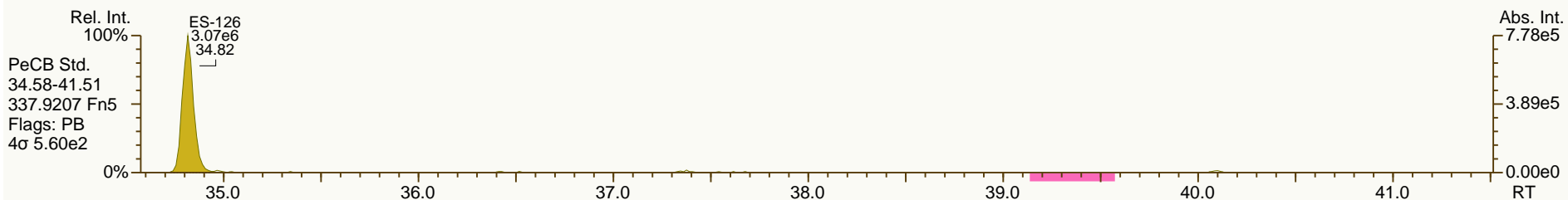
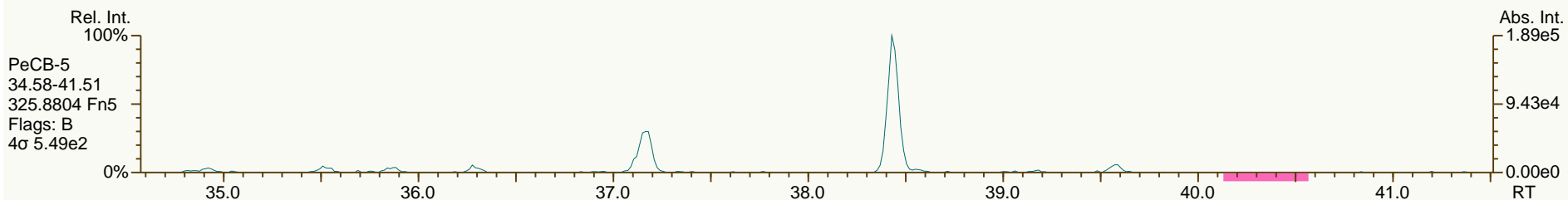
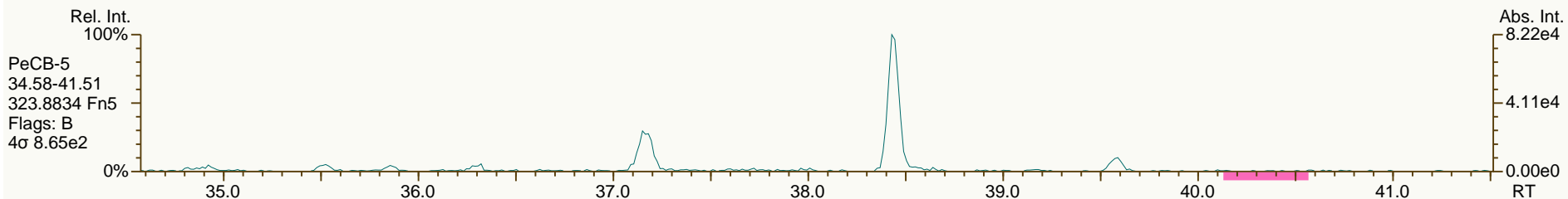
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

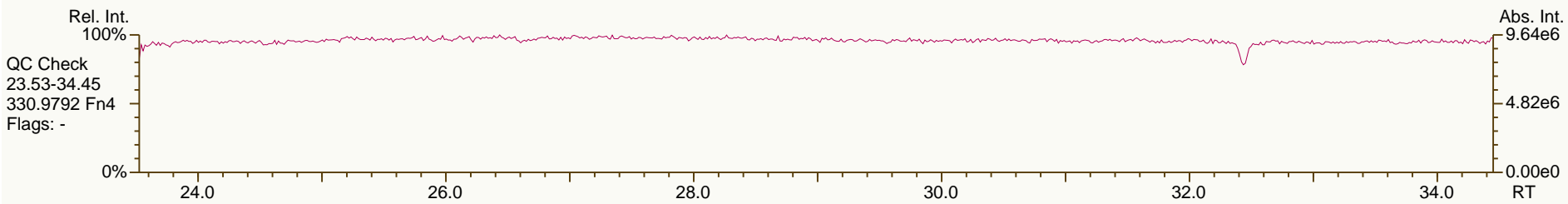
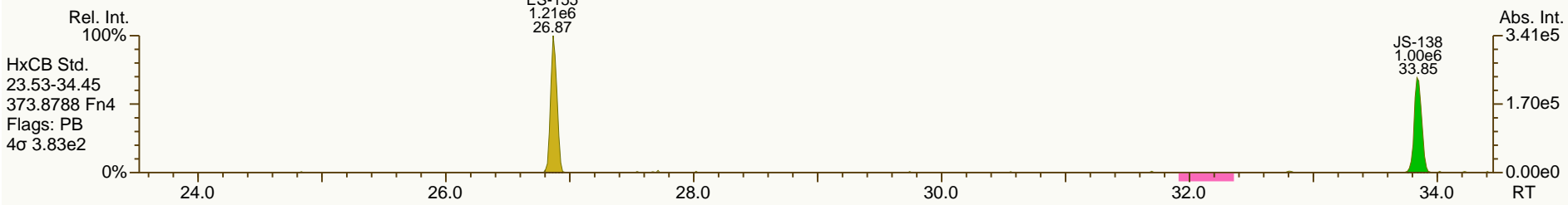
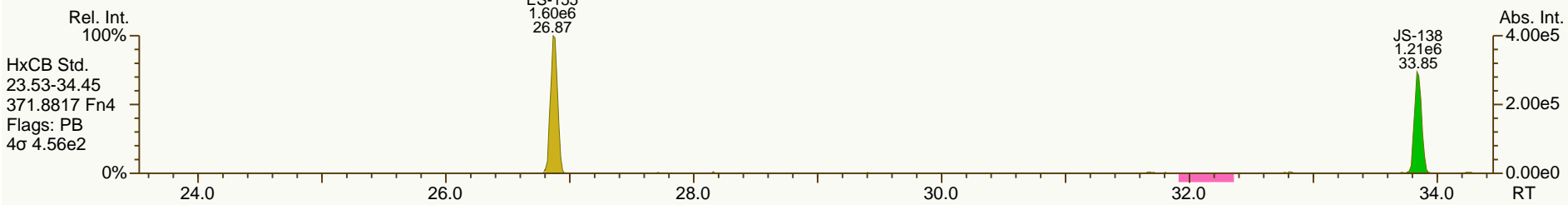
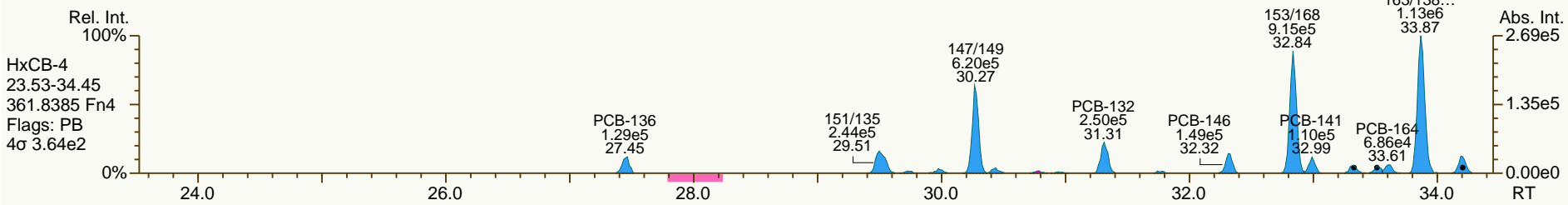
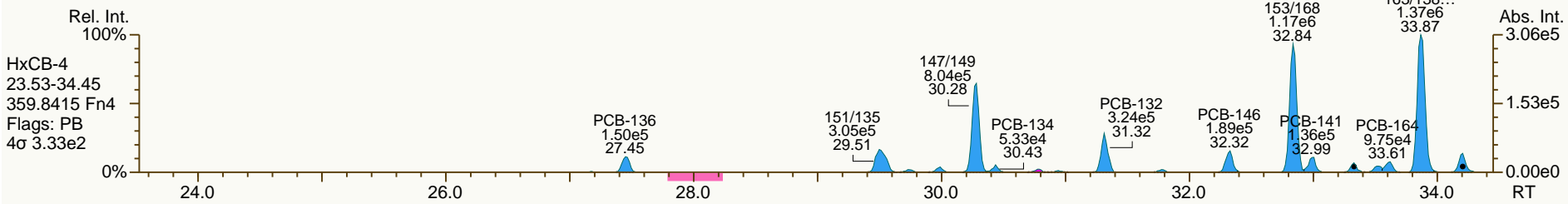
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

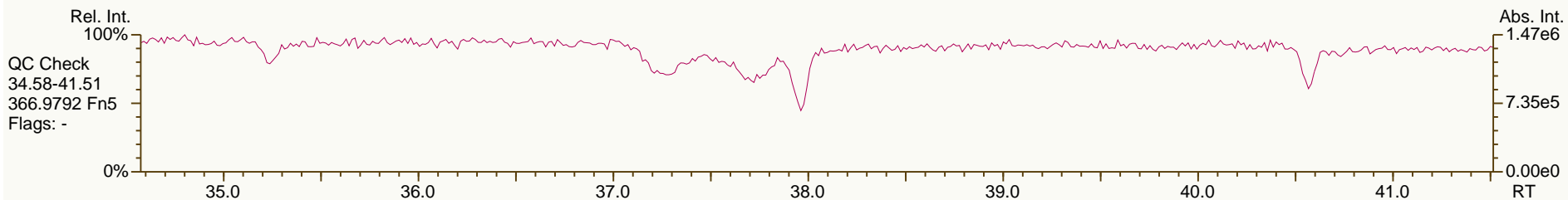
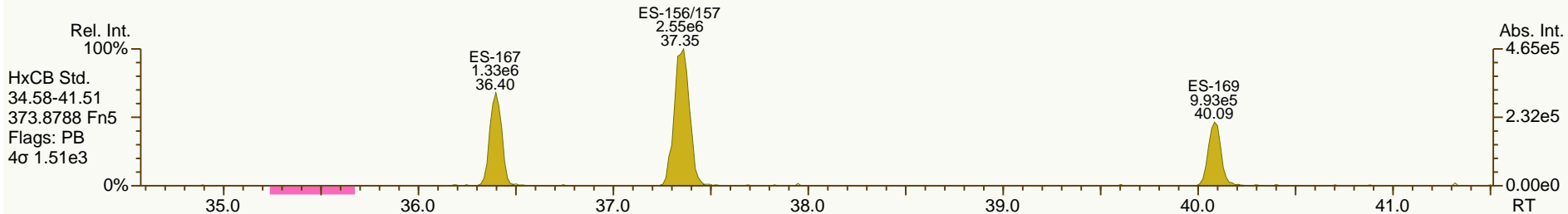
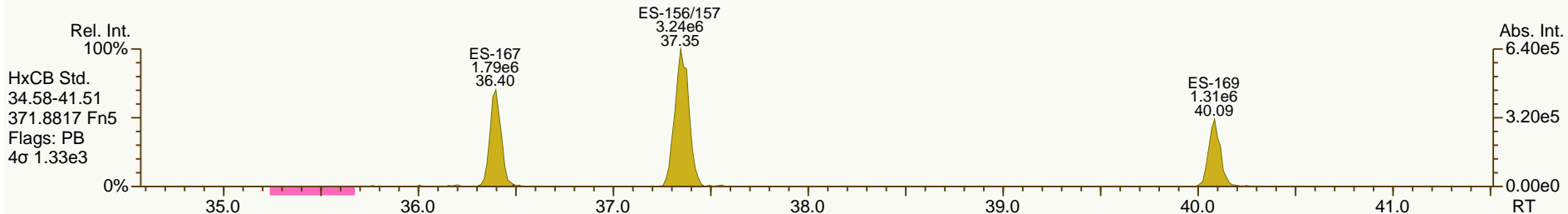
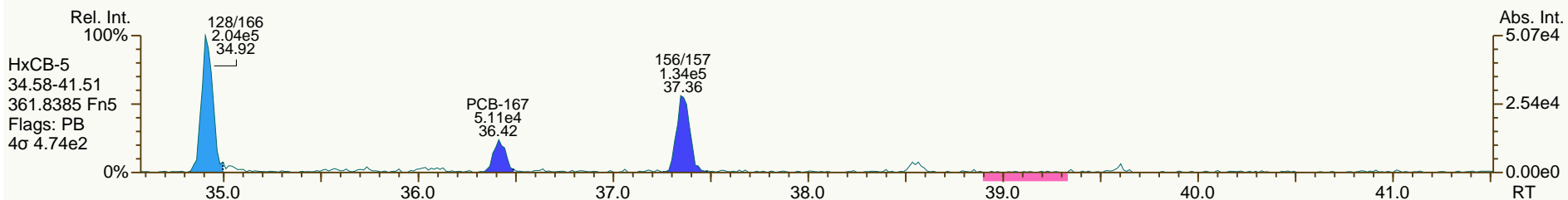
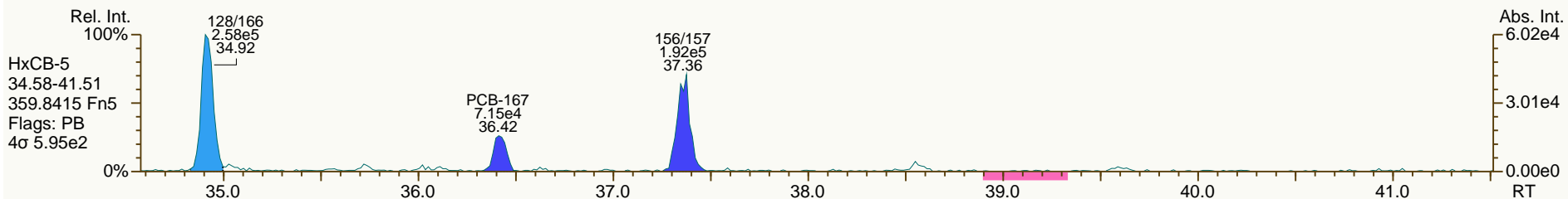
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

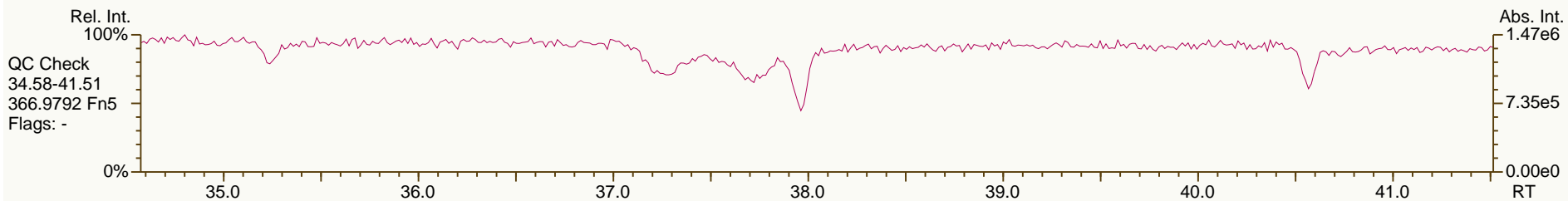
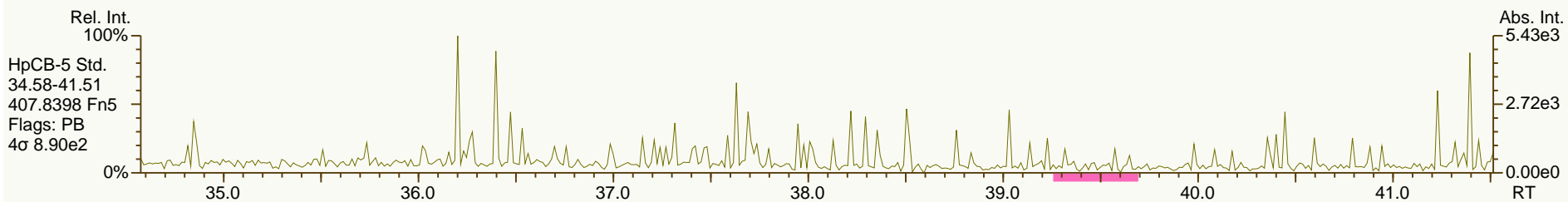
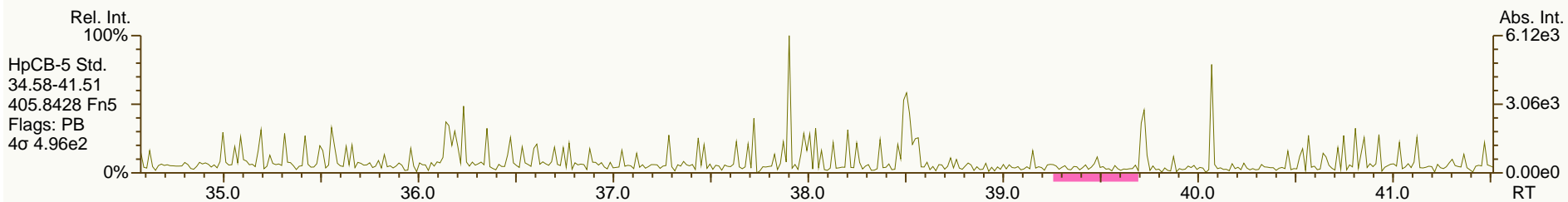
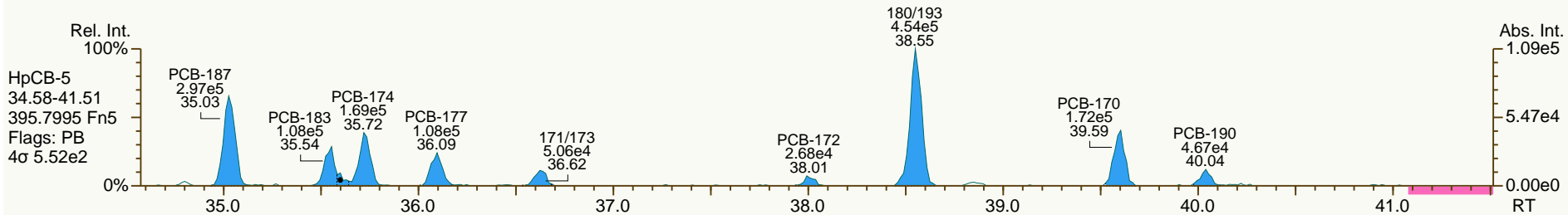
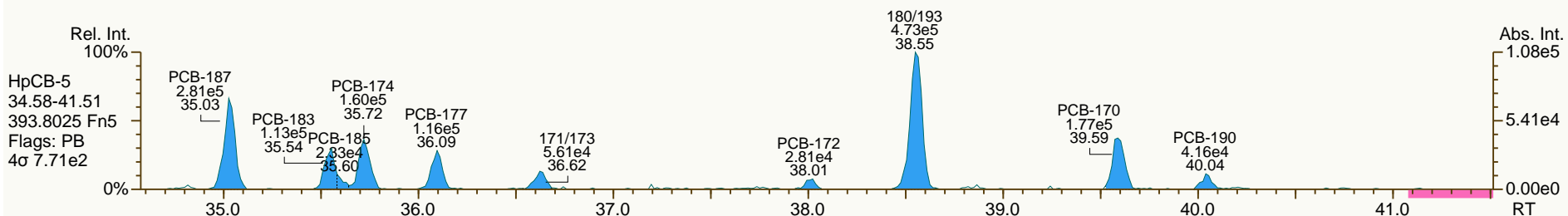
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

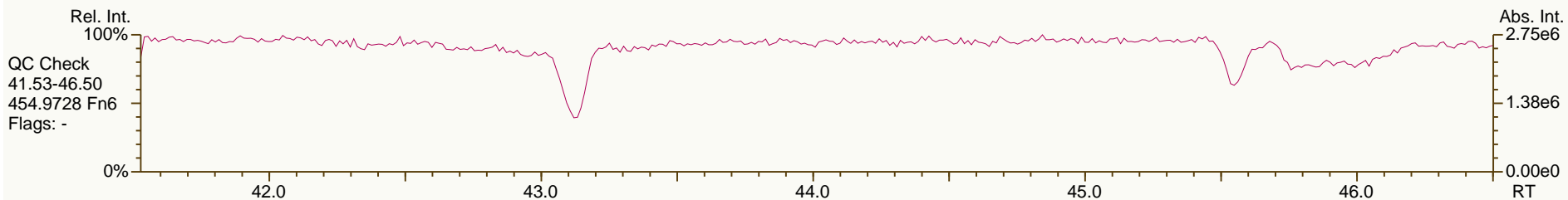
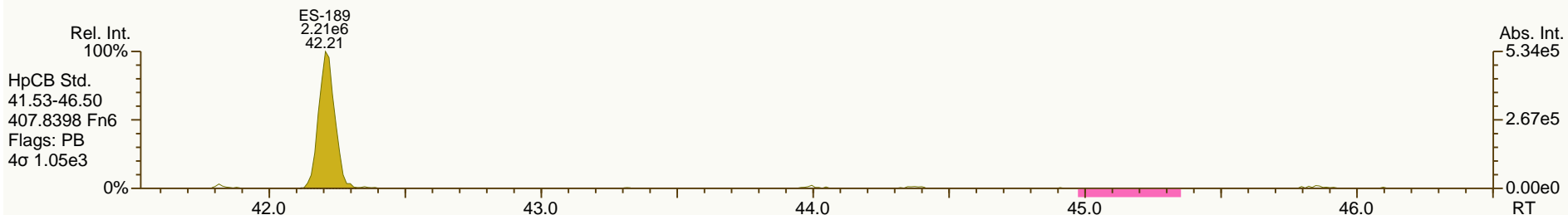
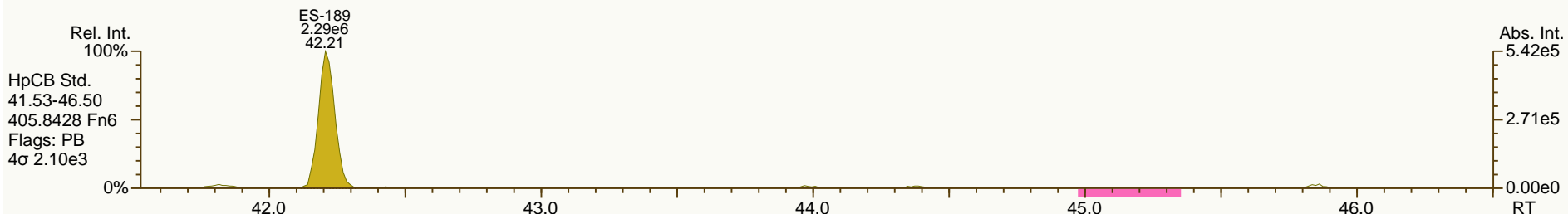
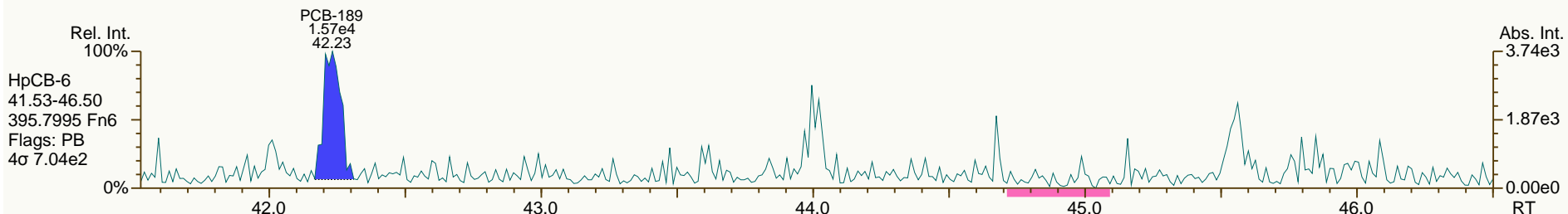
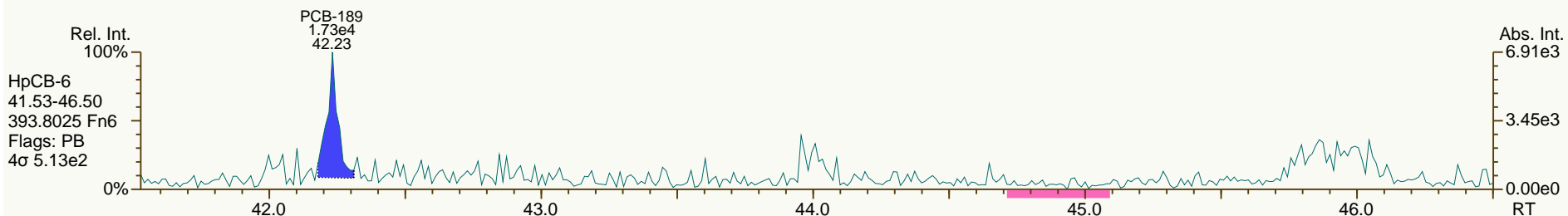
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

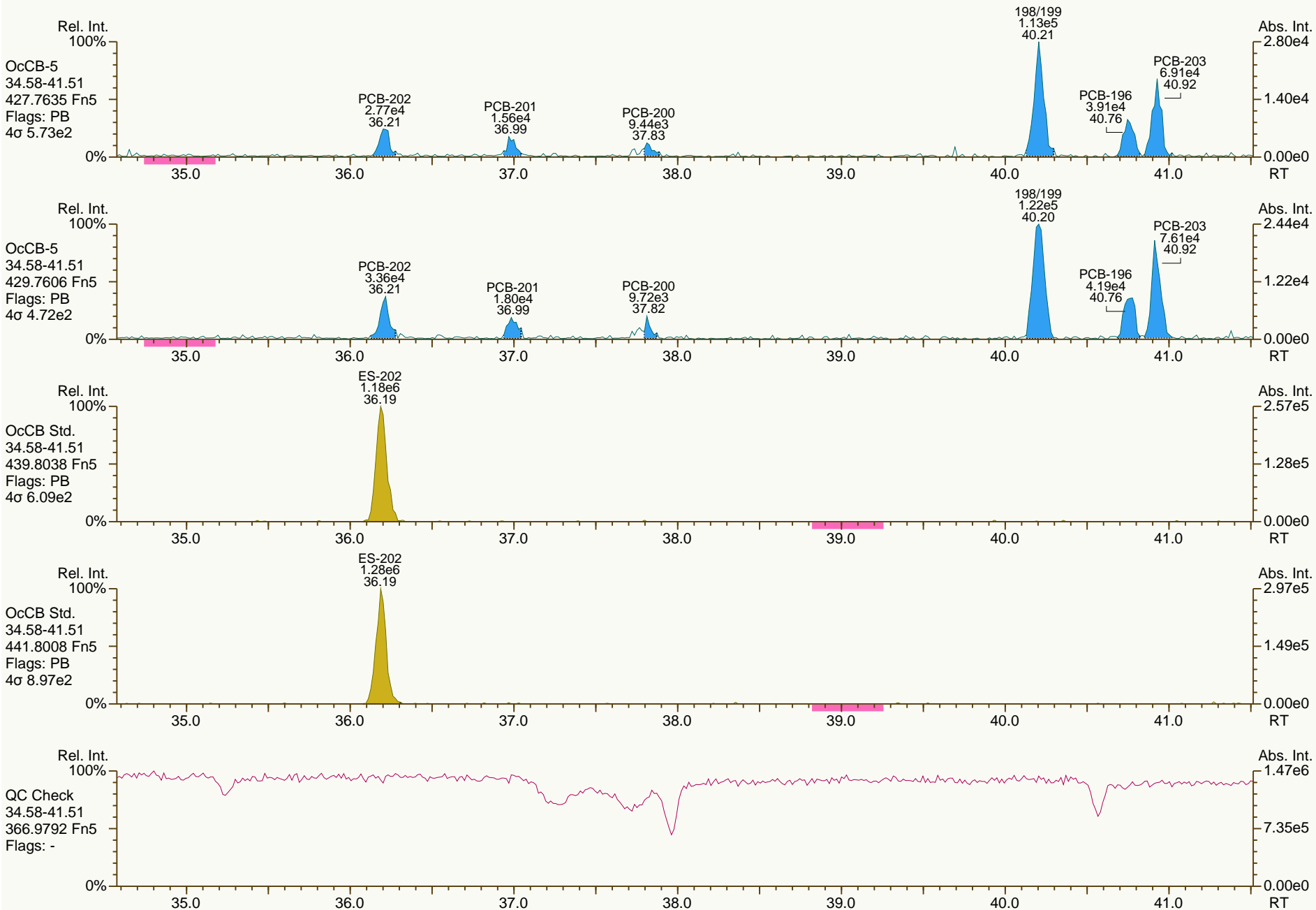
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

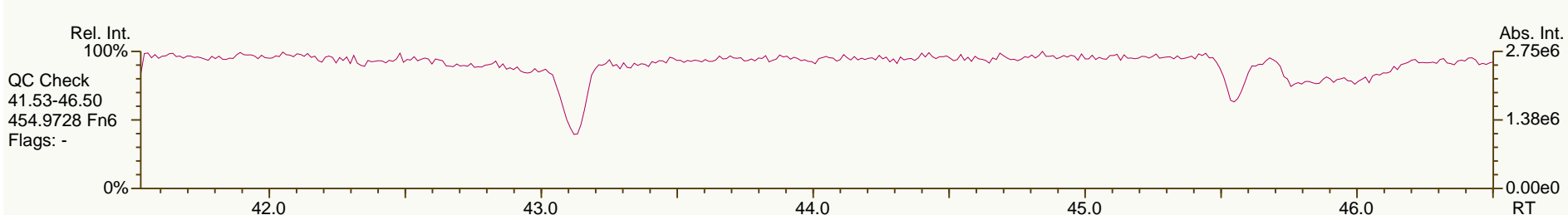
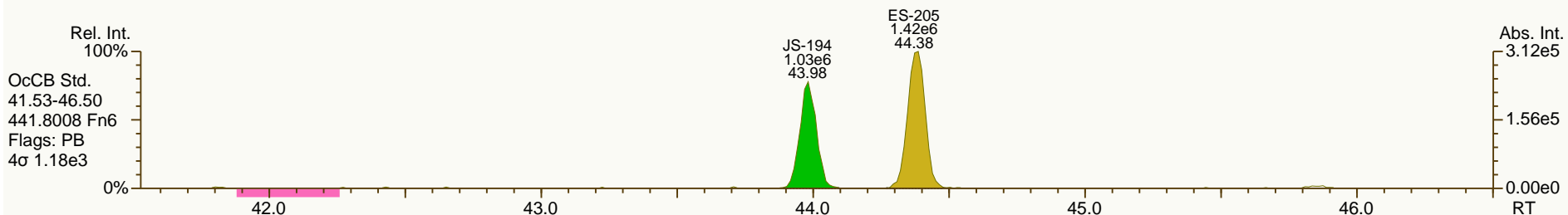
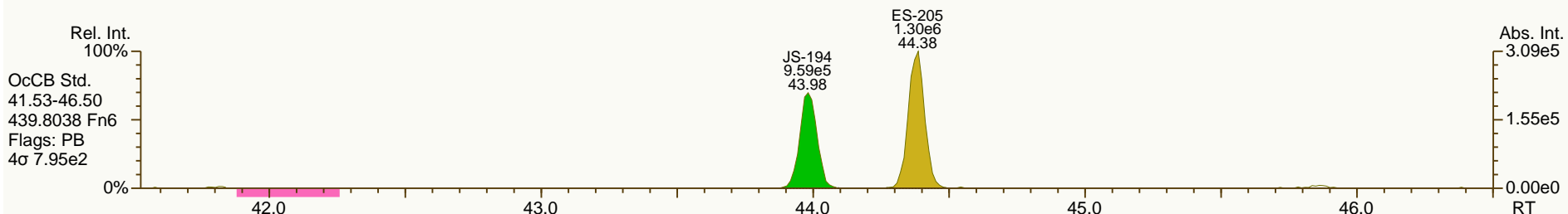
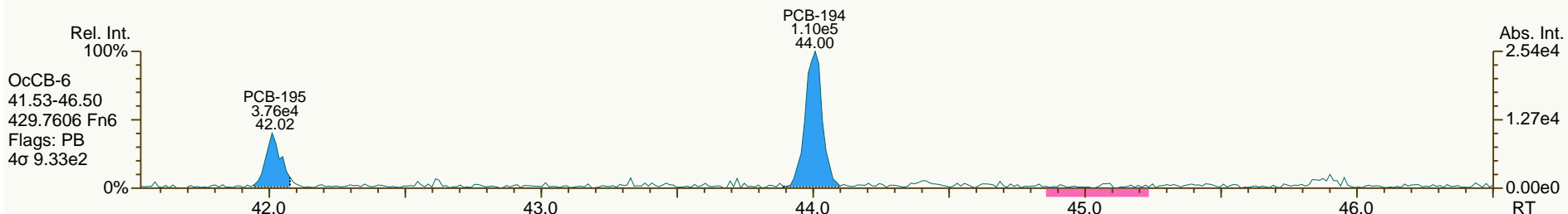
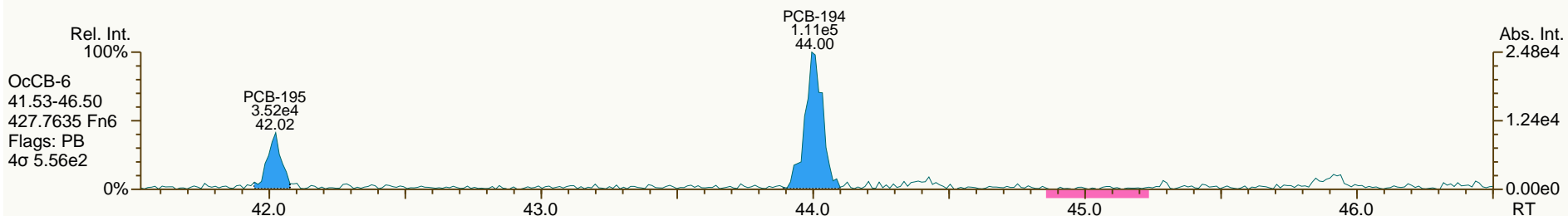
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

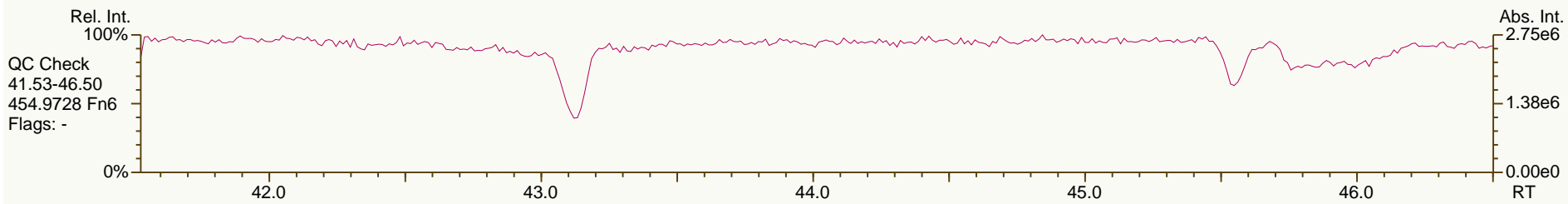
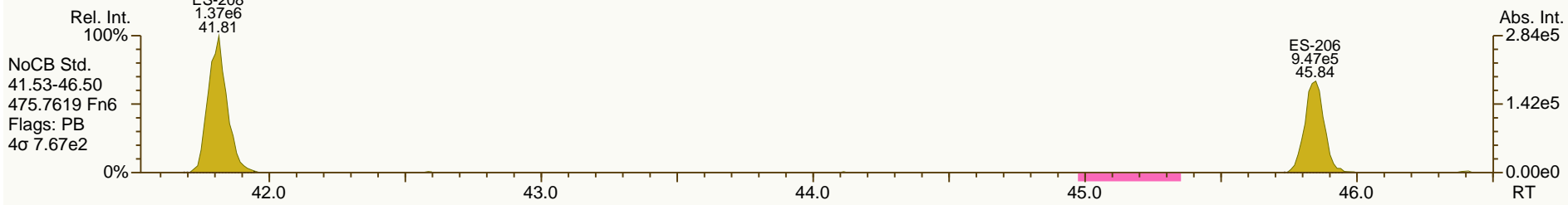
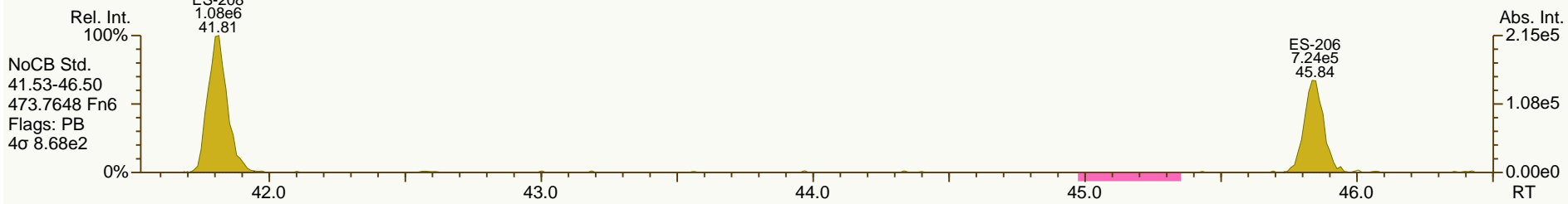
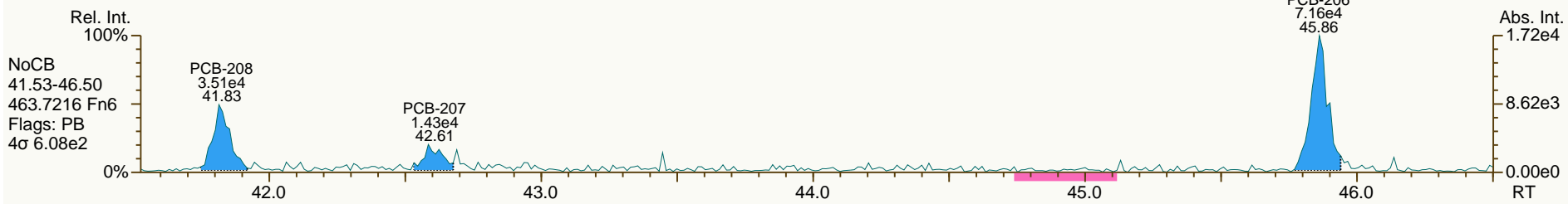
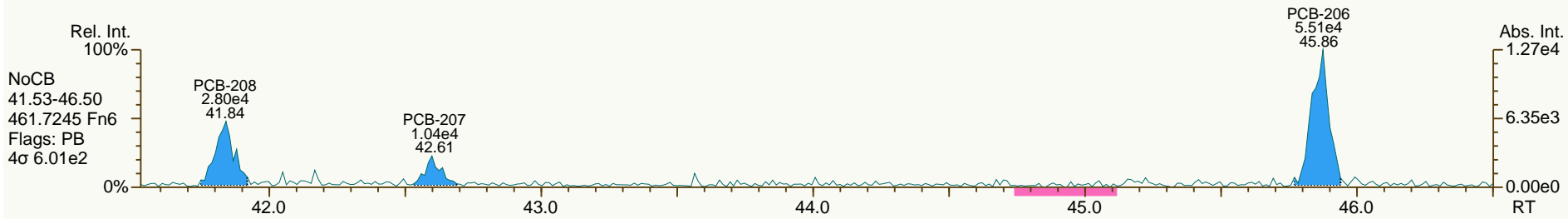
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

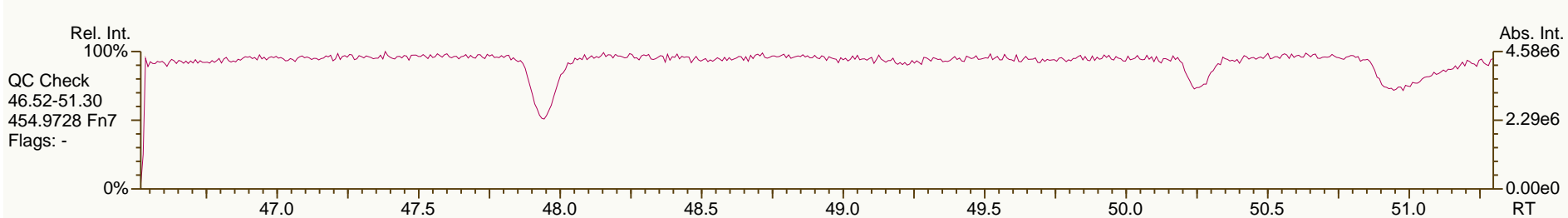
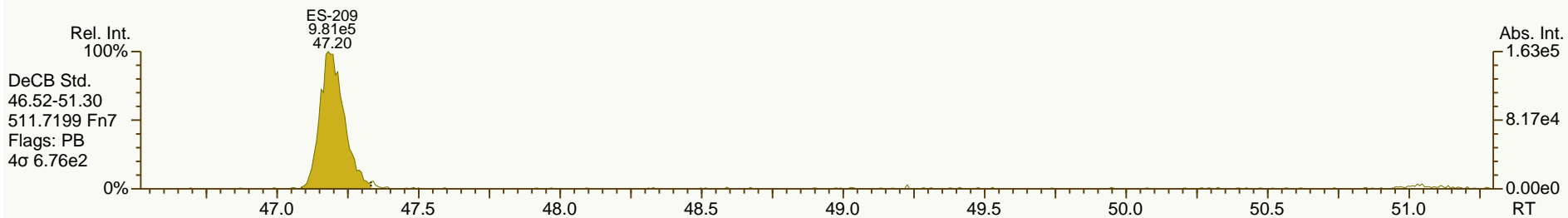
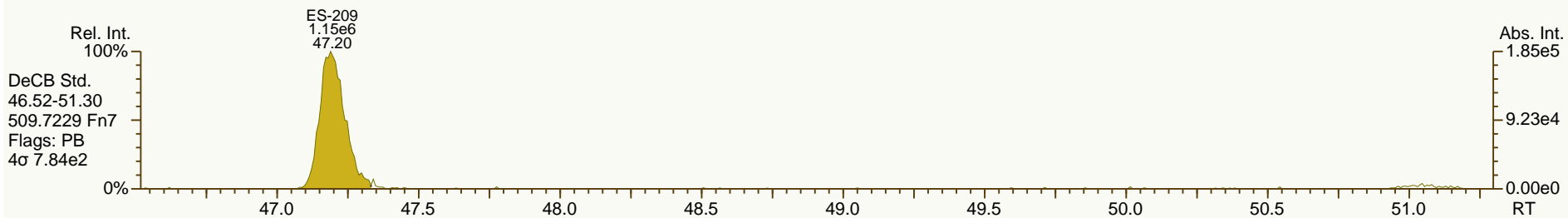
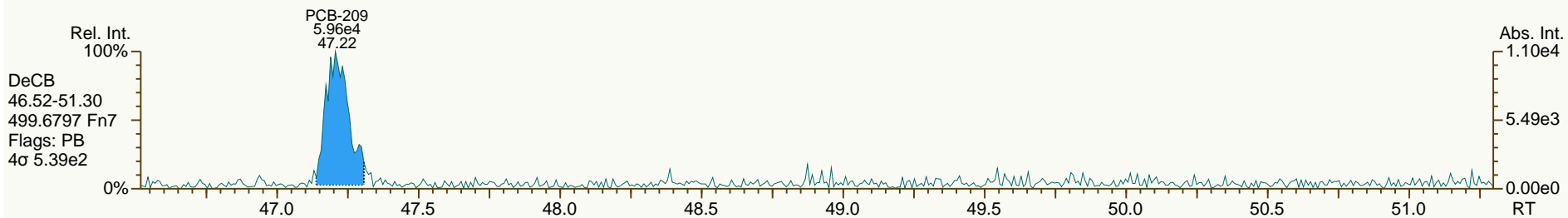
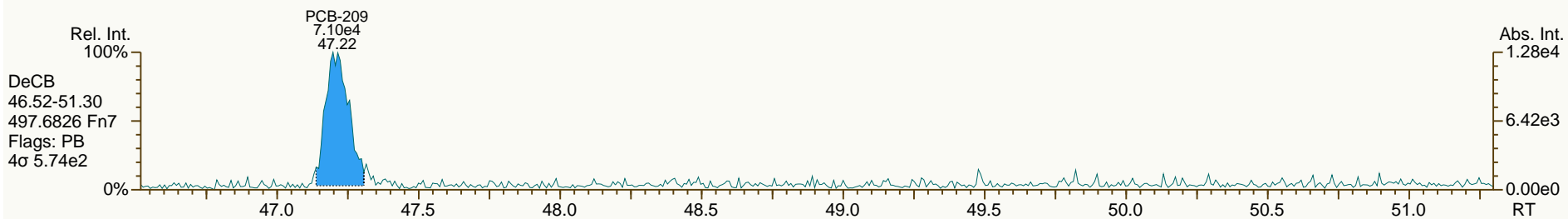
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

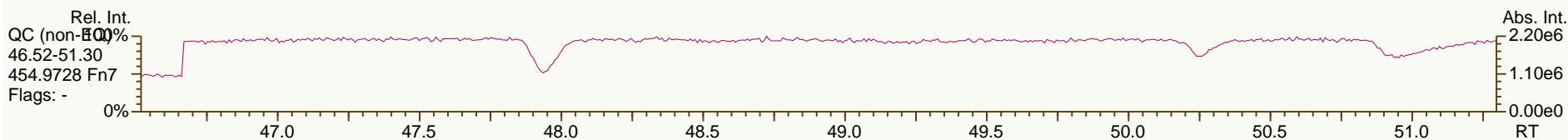
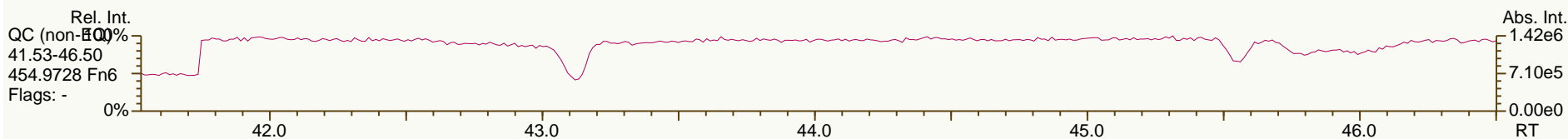
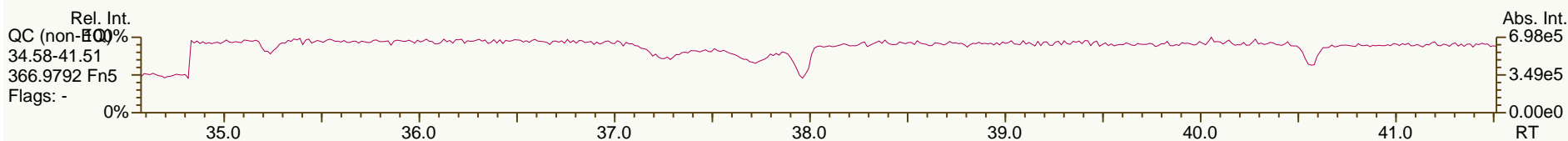
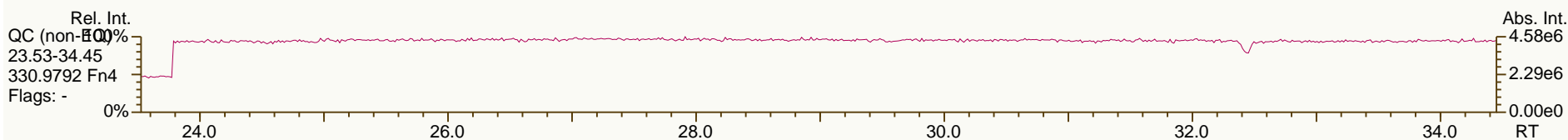
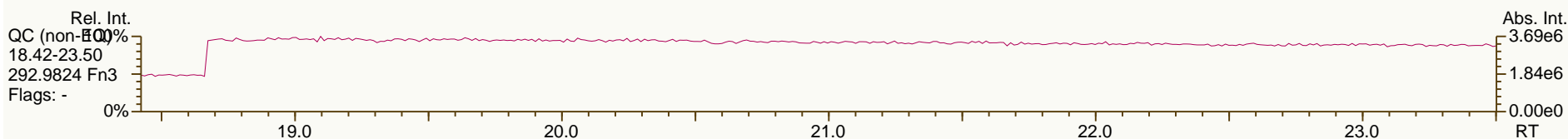
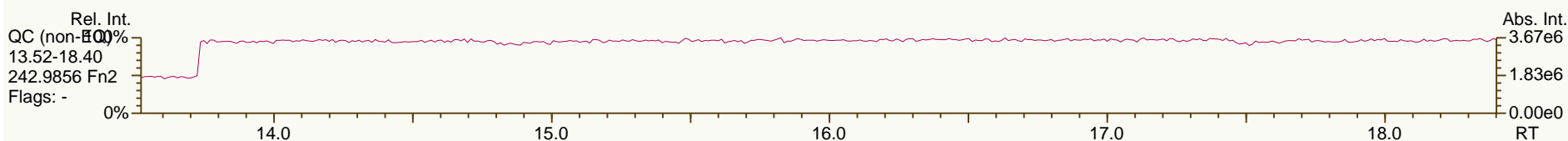
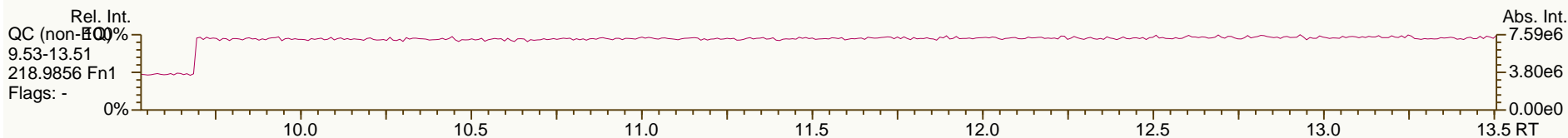
Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



AP Lab ID: A4371_9893_PCB_008-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

Acq: 05-Jul-2012 23:57:26
User: LKB Datafile: 120705S14



Lab ID: A4371_9893_PCB_009-RJ

ACQ: 06-Jul-2012 00:52:32 LKB Wt/Vol: 7.69 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120705_PCB_SB

Client ID: JW-DR-COMP-120508

UTP: 09-Jul-2012 15:18 LKB

J-level: 1.3 pg/g Split: 1

Checkcode: 637-454-WXH

Datafile: 120705S15

RPT: 09-Jul-2012 15:39 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.27		1.0006	1.0006	0	1.21E+06	0.78	1.22	32.3	2.34E+03	0.674
PCB-81 344'5'-TeCB	28.81	J	1.0006	1.0009	+0.5	4.65E+04	0.73	1.24	1.21	2.34E+03	0.655
PCB-105 233'44'-PeCB	32.22		1.0007	1.0007	0	4.17E+06	0.61	1.03	219	9.22E+02	0.476
PCB-114 2344'5'-PeCB	31.68		1.0007	1.0007	0	2.14E+05	0.59	1.10	10.6	9.22E+02	0.461
PCB-118 23'44'5'-PeCB	31.24		1.0008	1.0007	-0.2	1.06E+07	0.61	1.03	537	9.22E+02	0.465
PCB-123 23'44'5'-PeCB	30.96		1.0007	1.0006	-0.2	1.72E+05	0.60	0.93	9.28	9.22E+02	0.513
PCB-126 33'44'5'-PeCB	34.81		1.0005	1.0002	-0.6	4.80E+04	0.59	1.11	1.52	1.58E+03	0.536
PCB-156/157 ...-HxCB	37.35	C	1.0005	1.0002	-0.7	1.39E+06	1.29	1.05	76.6	1.24E+03	0.879
PCB-167 23'44'55'-HxCB	36.41		1.0006	1.0006	0	4.42E+05	1.30	1.08	23	1.24E+03	0.695
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.24E+03	0.727
PCB-189 233'44'55'-HpCB	42.22		1.0005	1.0004	-0.3	1.02E+05	1.03	1.11	3.72	1.45E+03	0.568
PCB-209 DeCB	47.21		1.0004	1.0004	0	1.84E+05	1.18	1.05	15.1	1.54E+03	1.83
ES PCB-1	9.83		0.7181	0.7172	-0.5	5.09E+06	3.33	1.01	51.5 %	4%	100%
ES PCB-3	11.77		0.8583	0.8581	-0.1	5.18E+06	3.33	1.05	50.4 %	11%	106%
ES PCB-4	11.97		0.8732	0.8728	-0.3	2.69E+06	1.56	0.70	39.5 %	14%	107%
ES PCB-15	17.09		1.2453	1.2460	+0.7	8.96E+06	1.65	1.17	78.3 %	19%	107%
ES PCB-19	14.67		1.0698	1.0697	-0.1	2.96E+06	1.04	0.57	53.5 %	1%	108%
ES PCB-37	23.08	V	1.0865	1.0872	+1.0	7.11E+06	1.11	1.41	124 %	25%	123%
ES PCB-54	17.31		0.8157	0.8154	-0.3	4.11E+06	0.76	1.32	76.4 %	13%	105%
ES PCB-77	29.26	V	1.3777	1.3781	+0.7	7.92E+06	0.81	1.22	160 %	31%	109%
ES PCB-81	28.79	V	1.3557	1.3562	+0.9	8.05E+06	0.81	1.15	172 %	14%	127%
ES PCB-104	22.03		0.8147	0.8146	-0.1	3.70E+06	1.74	1.69	55.8 %	36%	115%
ES PCB-105	32.19		1.1906	1.1904	-0.4	4.83E+06	1.67	1.21	102 %	50%	111%
ES PCB-114	31.66		1.1709	1.1707	-0.4	4.78E+06	1.58	1.23	98.9 %	41%	121%
ES PCB-118	31.22		1.1547	1.1545	-0.4	4.97E+06	1.61	1.25	102 %	49%	111%
ES PCB-123	30.94		1.1444	1.1442	-0.4	5.22E+06	1.57	1.33	100 %	49%	116%
ES PCB-126	34.81	V	1.2871	1.2871	0	7.35E+06	1.59	1.36	138 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.87		0.7939	0.7941	+0.3	4.24E+06	1.32	1.40	90 %	25%	124%
ES PCB-156/157	37.34		1.1035	1.1037	+0.4	9.03E+06	1.30	1.13	119 %	40%	120%
ES PCB-167	36.39	V	1.0753	1.0754	+0.2	4.62E+06	1.34	1.13	122 %	45%	118%
ES PCB-169	40.08		1.1842	1.1845	+0.7	4.45E+06	1.28	1.14	116 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.67		0.7204	0.7202	-0.4	3.38E+06	1.09	1.34	75 %	23%	125%
ES PCB-189	42.20	V	0.9598	0.9598	0	6.42E+06	1.06	1.77	123 %	47%	116%
ES PCB-202	36.18		0.8230	0.8228	-0.4	3.55E+06	0.94	1.27	83.1 %	31%	134%
ES PCB-205	44.37		1.0090	1.0090	0	4.03E+06	0.93	1.25	109 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.84		1.0424	1.0425	+0.3	2.63E+06	0.80	1.07	83.5 %	38%	122%
ES PCB-208	41.80		0.9508	0.9506	-0.5	3.38E+06	0.79	1.34	85.8 %	31%	126%
ES PCB-209	47.19		1.0732	1.0731	-0.3	3.02E+06	1.23	1.18	86.6 %	43%	115%
CS/SS PCB-28	19.68		0.9269	0.9268	-0.1	7.87E+06	1.10	0.98	113 %	14%	131%
CS/SS PCB-111	29.32		1.0843	1.0841	-0.4	5.09E+06	1.57	0.90	109 %	57%	112%
CS/SS PCB-178	34.23		1.0118	1.0118	0	2.55E+06	1.05	0.65	117 %	57%	125%
CS PCB-28	19.68	V	0.9269	0.9268	-0.1	7.87E+06	1.10	1.39	140 %	14%	131%
CS PCB-111	29.32		1.0843	1.0841	-0.4	5.09E+06	1.57	1.19	109 %	57%	112%
CS PCB-178	34.23		1.0118	1.0118	0	2.55E+06	1.05	0.87	87.6 %	57%	125%
JS PCB-9	13.71					9.76E+06	1.66				
JS PCB-52	21.23					4.06E+06	0.77				
JS PCB-101	27.04					3.93E+06	1.63				
JS PCB-138	33.83					3.36E+06	1.29				
JS PCB-194	43.97					2.95E+06	0.89				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	137	137	0.56		
						Di-CBs	274	289	4.23		
						Tri-CBs	803	803	1.59		
						Tetra-CBs	1,640	1,640	0.511		
						Penta-CBs	3,080	3,080	0.471		
						Hexa-CBs	2,370	2,380	0.653		
						Hepta-CBs	589	589	0.519		
						Octa-CBs	180	184	0.598		
						Nona-CBs	39.9	39.9	1.46		
PCB-1 2-MoCB	9.84		1.0011	1.0011	0	9.88E+05	3.32	1.20	42.1	2.22E+03	0.489
PCB-2 3-MoCB	11.62		0.9878	0.9878	0	4.41E+05	3.37	1.39	15.9	2.22E+03	0.513
PCB-3 4-MoCB	11.78		1.0010	1.0011	+0.1	1.78E+06	3.27	1.13	79.1	2.22E+03	0.632
PCB-4 22'-DiCB	11.98	EMPC	1.0012	1.0011	-0.1	1.44E+05	1.27	0.94	14.7	8.99E+03	5.78
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.56	ND	8.99E+03	3.49
PCB-9 25-DiCB	13.73		1.0011	1.0011	0	1.13E+05	SI	0.93	3.51	3.47E+03	0.916
PCB-7 24-DiCB	13.87		1.0116	1.0115	-0.1	1.13E+05	SI	1.10	2.97	3.47E+03	0.777
PCB-6 23'-DiCB	14.07		1.0261	1.0262	+0.1	3.69E+05	1.52	1.01	10.6	1.09E+04	2.66
PCB-5 23-DiCB	14.33		1.0451	1.0452	+0.1	5.41E+04	SI	1.02	1.55	3.47E+03	0.84
PCB-8 24'-DiCB	14.44		1.0533	1.0534	+0.1	2.05E+06	1.56	1.05	56.8	1.09E+04	2.56
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.20	ND	1.09E+04	2.23
PCB-11 33'-DiCB	16.57	B	0.9701	0.9700	-0.1	4.56E+06	1.54	1.04	128	1.09E+04	2.59
PCB-13/12 34'/34-DiCB	16.82	C	0.9855	0.9847	-0.8	3.36E+05	SI	1.03	9.43	3.47E+03	0.826
PCB-15 44'-DiCB	17.10		1.0008	1.0008	0	2.13E+06	1.53	1.01	61.5	1.09E+04	2.67

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.69		1.0011	1.0012	+0.1	4.92E+04	1.03	1.01	4.28	2.68E+03	1.72
PCB-30/18 246/22'5-TrCB	16.30	C	1.1110	1.1116	+0.6	1.03E+06	1.09	1.32	68.4	2.68E+03	1.31
PCB-17 22'4-TrCB	16.66		1.1357	1.1360	+0.3	4.63E+05	1.08	1.12	36.1	2.68E+03	1.54
PCB-27 23'6-TrCB	16.84		1.1479	1.1481	+0.2	1.04E+05	1.09	1.46	6.26	2.68E+03	1.19
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.48	ND	2.68E+03	1.17
PCB-16 22'3-TrCB	17.04		1.1612	1.1617	+0.5	3.12E+05	1.11	0.87	31.3	2.68E+03	1.99
PCB-32 24'6-TrCB	17.49		1.1923	1.1927	+0.4	5.08E+05	1.06	1.56	28.6	2.68E+03	1.11
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.37	ND	5.03E+03	1.28
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	5.03E+03	1.22
PCB-26/29 23'5/245-TrCB	18.98	C	0.8236	0.8221	-1.7	9.08E+05	1.10	1.43	23.2	5.03E+03	1.22
PCB-25 23'4-TrCB	19.18		0.8315	0.8308	-0.8	4.89E+05	1.17	1.43	12.5	5.03E+03	1.22
PCB-31 24'5-TrCB	19.44		0.8430	0.8424	-0.7	6.13E+06	1.08	1.49	151	5.03E+03	1.18
PCB-28/20 244'/233'-TrCB	19.69	C	0.8542	0.8533	-1.1	7.99E+06	1.08	1.37	214	5.03E+03	1.28
PCB-21/33 234/23'4'-TrCB	19.89	C	0.8612	0.8618	+0.7	2.96E+06	1.03	1.45	75	5.03E+03	1.21
PCB-22 234'-TrCB	20.22		0.8766	0.8760	-0.7	2.05E+06	1.09	1.29	58.3	5.03E+03	1.36
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.38	ND	5.03E+03	1.27
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.43	ND	5.03E+03	1.23
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	5.03E+03	1.36
PCB-35 33'4-TrCB	22.75		0.9860	0.9857	-0.4	2.40E+05	1.17	1.26	6.97	5.03E+03	1.39
PCB-37 344'-TrCB	23.10		1.0008	1.0008	0	2.88E+06	1.12	1.20	87.9	5.03E+03	1.46
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	7.55E+02	0.403
PCB-50/53 22'46/22'56'-TeCB	19.19	C	0.9051	0.9039	-1.4	2.03E+05	0.78	0.64	10.2	7.41E+02	0.401
PCB-45 22'36-TeCB	19.76		0.9304	0.9306	+0.2	1.53E+05	0.81	0.57	8.68	7.41E+02	0.454
PCB-51 22'46'-TeCB	19.84		0.9340	0.9344	+0.5	6.00E+04	0.78	0.64	3.04	7.41E+02	0.405
PCB-46 22'36'-TeCB	20.01		0.9429	0.9426	-0.4	5.39E+04	0.81	0.53	3.29	7.41E+02	0.488
PCB-52 22'55'-TeCB	21.25		1.0010	1.0010	0	3.93E+06	0.79	0.62	206	7.41E+02	0.42
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.82	ND	7.41E+02	0.316
PCB-43 22'35-TeCB	21.45		1.0106	1.0103	-0.4	6.60E+04	0.71	0.56	3.78	7.41E+02	0.458
PCB-69/49 23'46/22'45'-TeCB	21.67	C	1.0198	1.0207	+1.2	2.01E+06	0.76	0.77	83.9	7.41E+02	0.334
PCB-48 22'45-TeCB	21.91		1.0319	1.0321	+0.3	3.97E+05	0.75	0.65	19.6	7.41E+02	0.395
PCB-44/47/65 ...-TeCB	22.09	C	1.0416	1.0408	-1.1	2.87E+06	0.79	0.69	134	7.41E+02	0.374
PCB-59/62/75 ...-TeCB	22.38	C	1.0541	1.0542	+0.1	2.42E+05	0.84	0.87	9	7.41E+02	0.297
PCB-42 22'34'-TeCB	22.54		1.0612	1.0615	+0.4	6.02E+05	0.80	0.63	31.1	7.41E+02	0.413
PCB-41 22'34-TeCB	22.85		1.0759	1.0762	+0.4	1.45E+05	0.77	0.55	8.47	7.41E+02	0.466
PCB-71/40 23'4'6/22'33'-TeCB	22.95	C	1.0806	1.0813	+1.0	1.08E+06	0.81	0.67	52	7.41E+02	0.384
PCB-64 234'6-TeCB	23.15		1.0899	1.0905	+0.8	1.53E+06	0.74	0.94	52.5	7.41E+02	0.274
PCB-72 23'55'-TeCB	23.90		0.8295	0.8302	+1.0	1.13E+05	0.74	1.11	3.28	2.34E+03	0.733
PCB-68 23'45'-TeCB	24.15		0.8379	0.8388	+1.3	6.81E+04	0.89	1.21	1.82	2.34E+03	0.675
PCB-57 233'5-TeCB	24.49	J	0.8501	0.8505	+0.6	2.87E+04	0.82	1.09	0.853	2.34E+03	0.749
PCB-58 233'5'-TeCB	24.69	J	0.8568	0.8576	+1.2	3.29E+04	0.69	1.10	0.968	2.34E+03	0.743
PCB-67 23'45-TeCB	24.84		0.8620	0.8629	+1.3	2.71E+05	0.78	1.14	7.7	2.34E+03	0.717
PCB-63 234'5-TeCB	25.06		0.8697	0.8705	+1.2	3.20E+05	0.81	1.20	8.61	2.34E+03	0.68
PCB-61/70/74/76 ...-TeCB	25.35	C	0.8792	0.8804	+1.8	1.76E+07	0.78	1.14	499	2.34E+03	0.715
PCB-66 23'44'-TeCB	25.60		0.8888	0.8893	+0.8	9.46E+06	0.80	1.06	288	2.34E+03	0.768
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.14	ND	2.34E+03	0.716

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.15		0.9080	0.9083	+0.5	3.65E+06	0.77	1.06	111	2.34E+03	0.767
PCB-60 2344'-TeCB	26.33		0.9144	0.9147	+0.5	1.96E+06	0.77	1.14	55.5	2.34E+03	0.714
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	2.34E+03	0.663
PCB-79 33'45'-TeCB	27.97	EMPC	0.9718	0.9716	-0.3	1.41E+05	0.66	1.22	3.73	2.34E+03	0.668
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.05	ND	2.34E+03	0.778
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	5.66E+02	0.378
PCB-96 22'366'-PeCB	22.35		1.0141	1.0144	+0.4	2.40E+04	0.54	0.92	1.84	5.66E+02	0.377
PCB-103 22'45'6'-PeCB	24.04	EMPC	0.8883	0.8891	+1.2	3.78E+04	0.77	0.78	2.41	9.22E+02	0.608
PCB-94 22'356'-PeCB	24.22	J EMPC	0.8946	0.8955	+1.3	1.35E+04	0.45	0.68	0.991	9.22E+02	0.701
PCB-95 22'35'6'-PeCB	24.58		0.9082	0.9091	+1.3	3.96E+06	0.62	0.70	283	9.22E+02	0.681
PCB-100/93 22'44'6'/22'356'-PeCB	24.79	C	0.9158	0.9168	+1.5	3.94E+04	0.58	0.73	2.7	9.22E+02	0.651
PCB-102 22'456'-PeCB	24.90		0.9198	0.9207	+1.3	1.28E+05	0.62	0.86	7.44	9.22E+02	0.553
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.67	ND	9.22E+02	0.713
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.66	ND	9.22E+02	0.715
PCB-91 22'34'6'-PeCB	25.31		0.9352	0.9360	+1.2	6.89E+05	0.63	0.82	41.9	9.22E+02	0.578
PCB-84 22'33'6'-PeCB	25.48		0.9416	0.9423	+1.1	1.09E+06	0.60	0.63	86	9.22E+02	0.749
PCB-89 22'346'-PeCB	25.88		0.9567	0.9571	+0.6	4.30E+04	0.59	0.66	3.26	9.22E+02	0.722
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		0.99	ND	9.22E+02	0.479
PCB-92 22'355'-PeCB	26.58		0.9825	0.9827	+0.3	1.11E+06	0.62	0.70	79.7	9.22E+02	0.68
PCB-113/90/101 ...-PeCB	27.07	C	0.9999	1.0009	+1.6	7.36E+06	0.62	0.82	448	9.22E+02	0.579
PCB-83 22'33'5'-PeCB	27.45		1.0150	1.0149	-0.2	2.88E+05	0.61	0.60	24.2	9.22E+02	0.797
PCB-99 22'44'5'-PeCB	27.56		1.0190	1.0189	-0.2	3.52E+06	0.61	0.72	244	9.22E+02	0.659
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		0.94	ND	9.22E+02	0.504
PCB-108/119/86/97/125...-PeCB	28.01	C	1.0347	1.0355	+1.3	5.08E+06	0.61	0.84	301	9.22E+02	0.563
PCB-117 234'56'-PeCB	28.49		1.0539	1.0536	-0.5	1.61E+05	0.69	0.86	9.31	9.22E+02	0.551
PCB-116/85 23456/22'344'-PeCB	28.57	C	1.0566	1.0563	-0.5	1.23E+06	0.64	0.88	69.7	9.22E+02	0.538
PCB-110 233'4'6'-PeCB	28.70		1.0615	1.0614	-0.2	1.01E+07	0.61	0.87	576	9.22E+02	0.545
PCB-115 2344'6'-PeCB	28.81		1.0644	1.0651	+1.2	1.20E+05	0.61	1.00	5.99	9.22E+02	0.474
PCB-82 22'33'4'-PeCB	28.96		1.0711	1.0708	-0.5	6.11E+05	0.62	0.62	48.9	9.22E+02	0.762
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		0.99	ND	9.22E+02	0.477
PCB-120 23'455'-PeCB	29.73		1.0994	1.0992	-0.4	4.61E+04	0.54	0.98	2.34	9.22E+02	0.483
PCB-107/124 ...-PeCB	30.67	C	0.9909	0.9910	+0.2	3.57E+05	0.59	0.92	19.3	9.22E+02	0.514
PCB-109 233'46'-PeCB	30.87		0.9976	0.9976	0	7.17E+05	0.62	0.90	39.5	9.22E+02	0.525
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.92	ND	9.22E+02	0.515
PCB-122 233'4'5'-PeCB	31.51		1.0095	1.0093	-0.4	1.17E+05	0.60	0.94	6.75	9.22E+02	0.536
PCB-127 33'455'-PeCB	33.52	EMPC	1.0401	1.0412	+2.2	2.79E+04	0.52	0.99	1.52	9.22E+02	0.495
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	5.93E+02	0.312
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	5.93E+02	0.333
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.01	ND	5.93E+02	0.328
PCB-136 22'33'66'-HxCB	27.45		1.0216	1.0215	-0.2	6.92E+05	1.22	0.92	46.3	5.93E+02	0.36
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	5.93E+02	0.347
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.73	ND	5.93E+02	0.449
PCB-151/135 ...-HxCB	29.50	C	1.0986	1.0982	-0.7	1.53E+06	1.20	0.72	131	5.93E+02	0.461
PCB-154 22'44'56'-HxCB	29.73		1.1067	1.1065	-0.4	8.40E+04	1.09	0.81	6.38	5.93E+02	0.409
PCB-144 22'345'6'-HxCB	29.97		1.1158	1.1156	-0.4	2.15E+05	1.36	0.74	17.9	5.93E+02	0.448

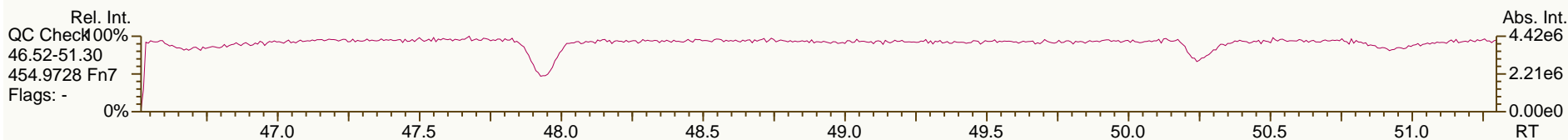
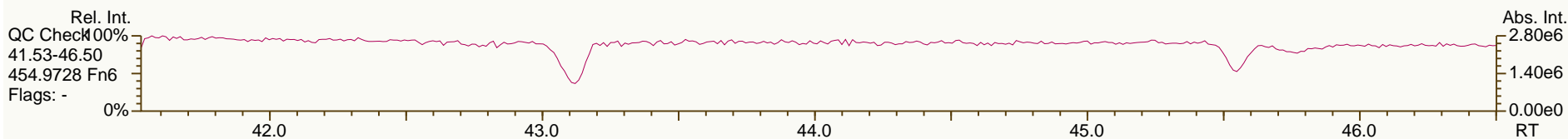
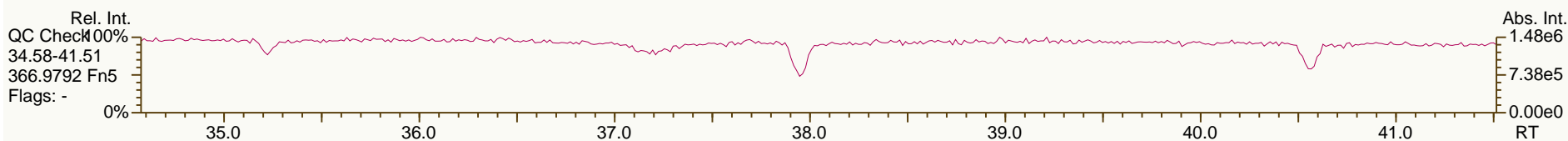
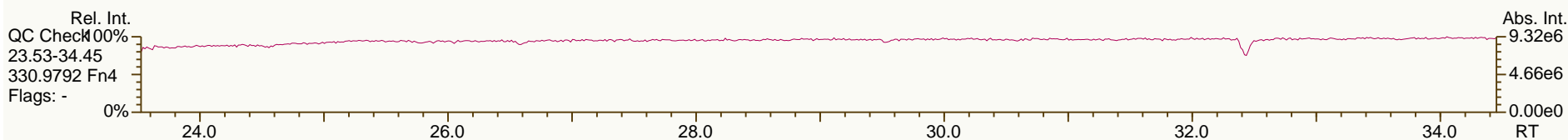
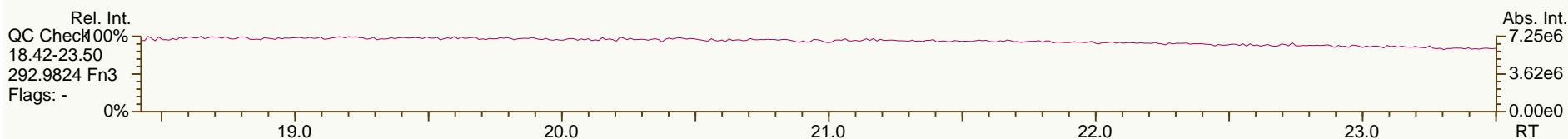
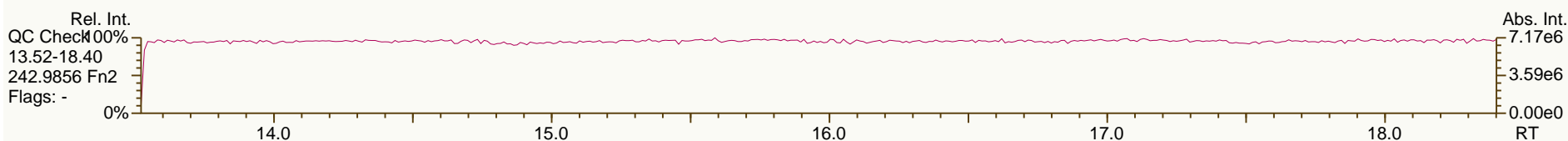
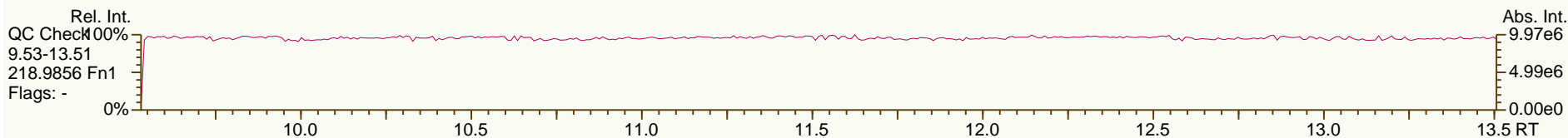
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.27	C	1.1269	1.1265	-0.7	4.26E+06	1.29	0.75	348	5.93E+02	0.44
PCB-134 22'33'56"-HxCB	30.42		1.1326	1.1324	-0.4	2.73E+05	1.28	0.59	28.2	5.93E+02	0.555
PCB-143 22'3456"-HxCB	NotFnd		1.1356	-		0.00E+00		0.72	ND	5.93E+02	0.461
PCB-139/140 ...-HxCB	30.77	C	1.1458	1.1454	-0.7	1.35E+05	1.15	0.77	10.8	5.93E+02	0.428
PCB-131 22'33'46"-HxCB	30.93	EMPC	1.1516	1.1511	-0.9	6.15E+04	1.03	0.65	5.78	5.93E+02	0.505
PCB-142 22'3456"-HxCB	NotFnd		1.1564	-		0.00E+00		0.68	ND	5.93E+02	0.482
PCB-132 22'33'46"-HxCB	31.31		1.1655	1.1652	-0.6	1.83E+06	1.24	0.67	169	5.93E+02	0.495
PCB-133 22'33'55"-HxCB	31.77		1.1826	1.1825	-0.2	9.67E+04	1.32	0.69	8.63	5.93E+02	0.48
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.85	ND	5.93E+02	0.388
PCB-146 22'34'55"-HxCB	32.31		0.9550	0.9550	0	1.02E+06	1.24	0.76	82.6	5.93E+02	0.435
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.93	ND	5.93E+02	0.356
PCB-153/168 ...-HxCB	32.83	C	0.9709	0.9702	-1.4	6.46E+06	1.23	0.89	446	5.93E+02	0.371
PCB-141 22'3455"-HxCB	32.98		0.9746	0.9747	+0.2	9.30E+05	1.22	0.73	78.1	5.93E+02	0.452
PCB-130 22'33'45"-HxCB	33.32		0.9847	0.9847	0	4.40E+05	1.21	0.63	42.8	5.93E+02	0.522
PCB-137 22'344'5"-HxCB	33.51		0.9904	0.9903	-0.2	3.35E+05	1.14	0.81	25.3	5.93E+02	0.406
PCB-164 233'4'5'6"-HxCB	33.60		0.9930	0.9930	0	5.61E+05	1.24	0.89	38.5	5.93E+02	0.369
PCB-163/138/129 ...-HxCB	33.86	C	1.0012	1.0008	-0.8	8.20E+06	1.22	0.78	640	5.93E+02	0.42
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.87	ND	5.93E+02	0.379
PCB-158 233'44'6"-HxCB	34.19		1.0106	1.0105	-0.2	9.90E+05	1.27	1.00	60.5	5.93E+02	0.329
PCB-128/166 ...-HxCB	34.91	C	0.9593	0.9593	0	1.51E+06	1.35	0.97	87.8	1.24E+03	0.773
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.08	ND	1.24E+03	0.693
PCB-162 233'4'55"-HxCB	36.01		0.9896	0.9897	+0.2	3.60E+04	1.29	1.14	1.78	1.24E+03	0.658
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	4.74E+02	0.322
PCB-179 22'33'566"-HpCB	31.95		1.0089	1.0089	0	4.09E+05	0.92	1.06	29.6	4.74E+02	0.323
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.04	ND	4.74E+02	0.331
PCB-176 22'33'466"-HpCB	32.69		1.0324	1.0323	-0.2	1.19E+05	1.04	1.13	8.09	4.74E+02	0.303
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.10	ND	4.74E+02	0.312
PCB-178 22'33'55'6"-HpCB	34.26		1.0816	1.0818	+0.4	1.92E+05	1.07	0.78	19	4.74E+02	0.44
PCB-175 22'33'45'6"-HpCB	34.80		1.0985	1.0988	+0.6	4.13E+04	0.96	0.86	3.68	7.02E+02	0.589
PCB-187 22'34'55'6"-HpCB	35.02		1.1057	1.1059	+0.4	1.35E+06	1.04	0.89	117	7.02E+02	0.57
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.92	ND	7.02E+02	0.553
PCB-183 22'344'5'6"-HpCB	35.53		1.1219	1.1221	+0.4	5.76E+05	1.00	0.92	48.1	7.02E+02	0.552
PCB-185 22'3455'6"-HpCB	35.62		1.1241	1.1247	+1.3	9.21E+04	0.91	0.88	8.04	7.02E+02	0.576
PCB-174 22'33'456"-HpCB	35.71		1.1276	1.1278	+0.4	7.45E+05	1.04	0.78	73.9	7.02E+02	0.655
PCB-177 22'33'45'6"-HpCB	36.08		1.1393	1.1395	+0.4	5.68E+05	1.07	0.74	59.1	7.02E+02	0.687
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.85	ND	7.02E+02	0.601
PCB-171/173 ...-HpCB	36.61	C	1.1556	1.1561	+1.1	2.79E+05	0.91	0.77	28.1	7.02E+02	0.664
PCB-172 22'33'455"-HpCB	38.00		0.9003	0.9004	+0.2	1.36E+05	1.19	0.51	10.8	7.02E+02	0.599
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.66	ND	7.02E+02	0.463
PCB-180/193 ...-HpCB	38.54	C	0.9127	0.9132	+1.2	2.28E+06	1.03	0.84	110	7.02E+02	0.362
PCB-191 233'44'5'6"-HpCB	38.83		0.9203	0.9201	-0.5	4.61E+04	1.08	0.67	2.78	7.02E+02	0.453
PCB-170 22'33'44'5"-HpCB	39.58		0.9380	0.9379	-0.2	9.28E+05	1.06	0.70	54	7.02E+02	0.437
PCB-190 233'44'56"-HpCB	40.03		0.9486	0.9485	-0.2	2.30E+05	1.09	0.66	14.1	7.02E+02	0.46
PCB-202 22'33'55'66"-OoCB	36.20		1.0006	1.0006	0	1.44E+05	1.00	0.83	12.8	6.12E+02	0.615
PCB-201 22'33'45'66"-OoCB	36.98		1.0221	1.0221	0	7.19E+04	0.85	0.94	5.63	6.12E+02	0.543

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	6.12E+02	0.562
PCB-197 22'33'44'66'-OcCB	37.74	J EMPC	1.0431	1.0431	0	1.76E+04	1.51	1.00	1.28	6.12E+02	0.507
PCB-200 22'33'4566'-OcCB	37.81	EMPC	1.0451	1.0451	0	3.53E+04	0.58	0.88	2.95	6.12E+02	0.58
PCB-198/199 ...-OcCB	40.20	C	1.1102	1.1110	+1.9	4.39E+05	0.90	0.58	55.2	6.12E+02	0.872
PCB-196 22'33'44'56'-OcCB	40.75		1.1260	1.1262	+0.5	1.71E+05	0.89	0.60	21	6.12E+02	0.849
PCB-203 22'344'55'6-OcCB	40.91		1.1306	1.1308	+0.5	2.91E+05	0.83	0.63	33.7	6.12E+02	0.803
PCB-195 22'33'44'56-OcCB	42.01		0.9469	0.9468	-0.3	1.64E+05	0.84	0.74	14.3	9.47E+02	0.861
PCB-194 22'33'44'55'-OcCB	43.99		0.9915	0.9915	0	4.56E+05	0.90	0.82	35.7	9.47E+02	0.769
PCB-205 233'44'55'6-OcCB	44.39		1.0004	1.0005	+0.3	2.35E+04	0.76	1.09	1.39	9.47E+02	0.581
PCB-208 22'33'455'66'-NoCB	41.83		1.0005	1.0005	0	1.04E+05	0.81	0.98	8.18	1.33E+03	1.26
PCB-207 22'33'44'566'-NoCB	42.60		1.0192	1.0190	-0.5	4.15E+04	0.83	1.01	3.17	1.33E+03	1.22
PCB-206 22'33'44'55'6-NoCB	45.86		1.0004	1.0004	0	2.69E+05	0.80	0.93	28.6	1.33E+03	1.66

AP Lab ID: A4371_9893_PCB_009-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

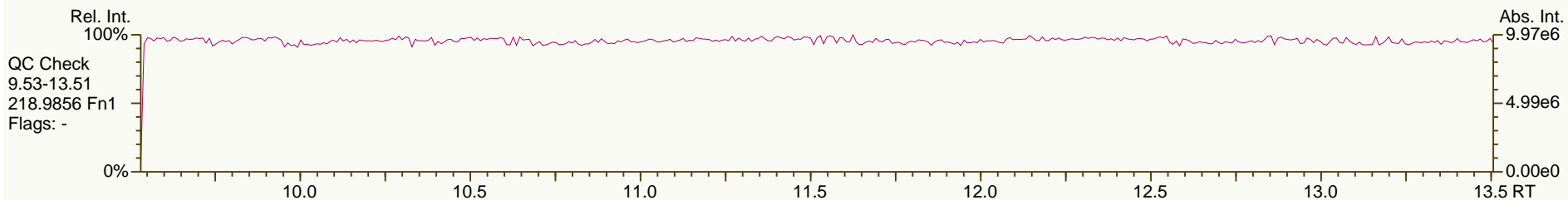
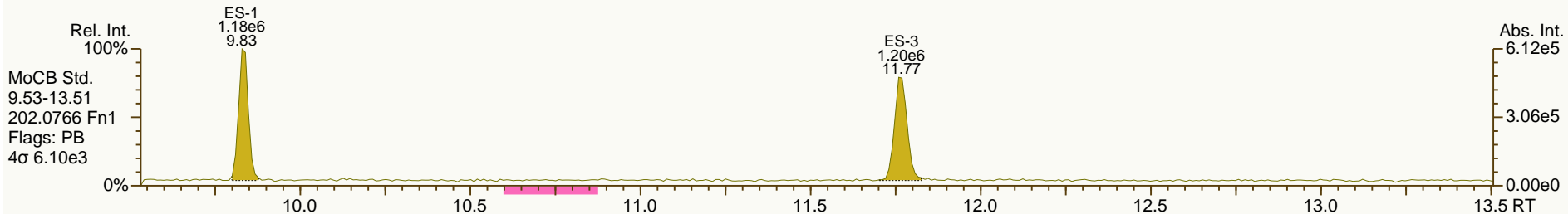
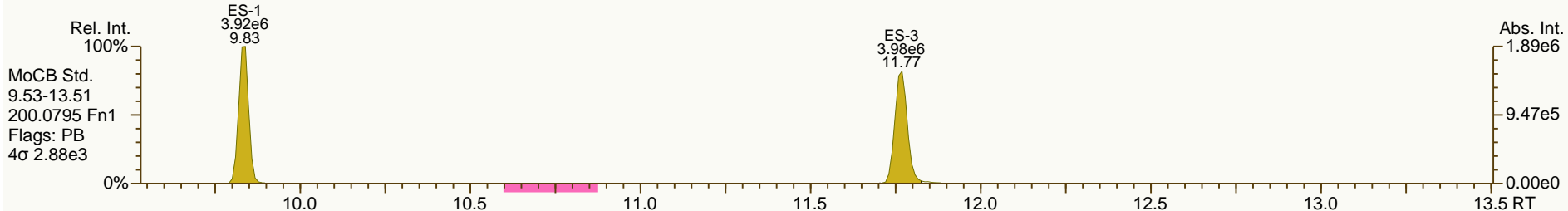
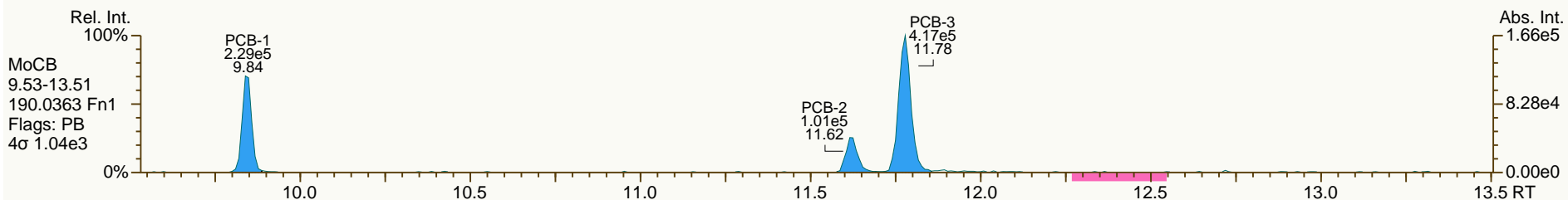
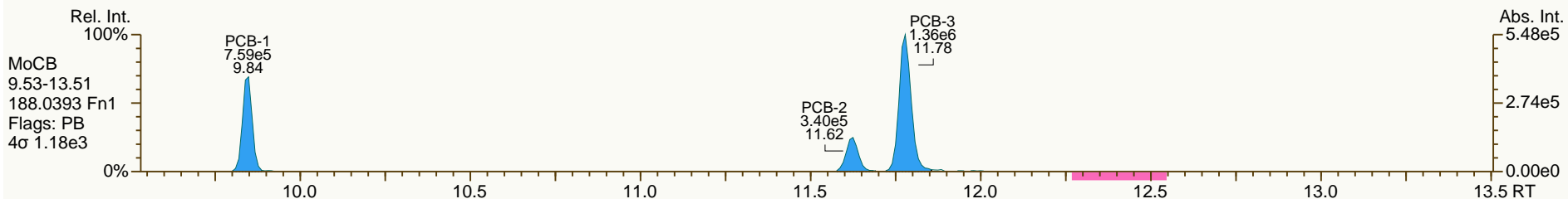
Acq: 06-Jul-2012 00:52:32
User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

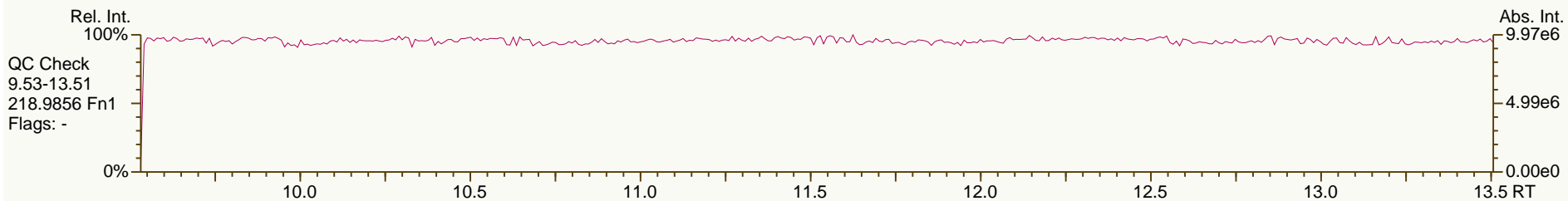
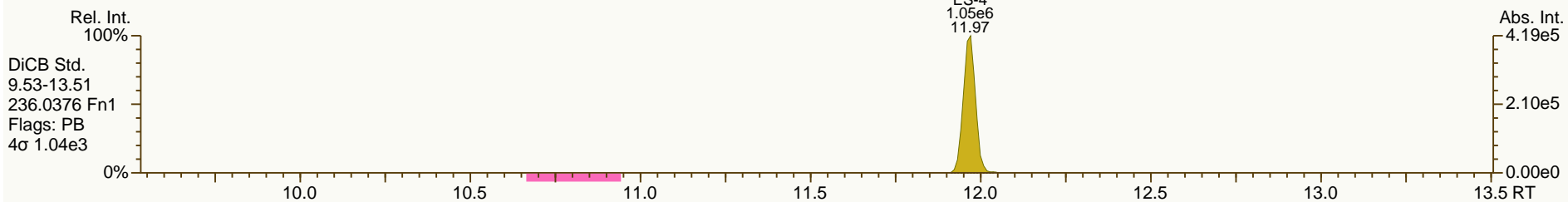
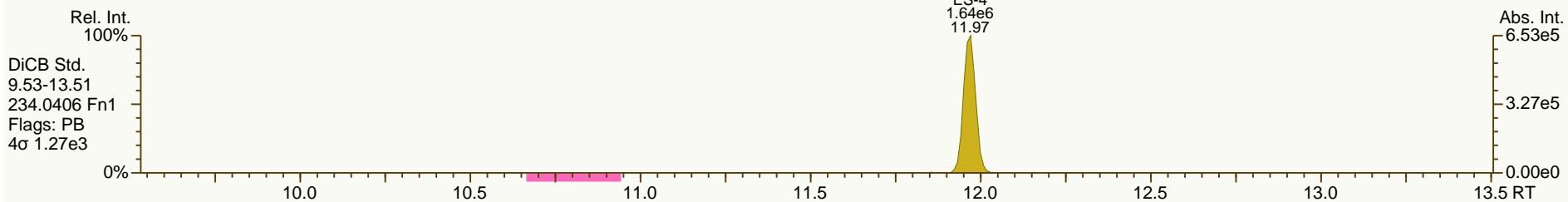
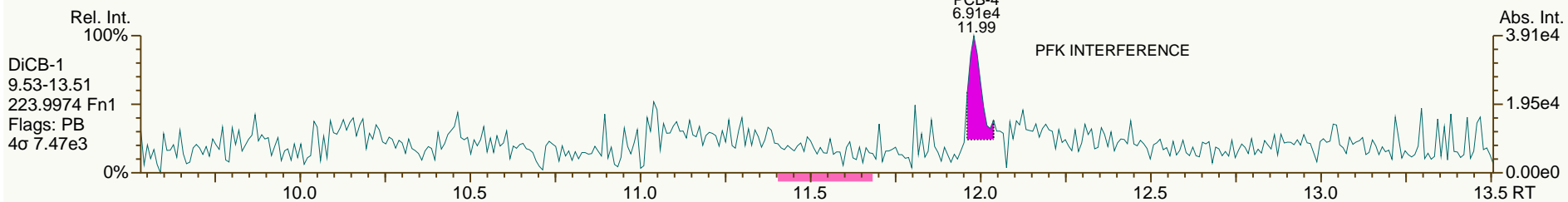
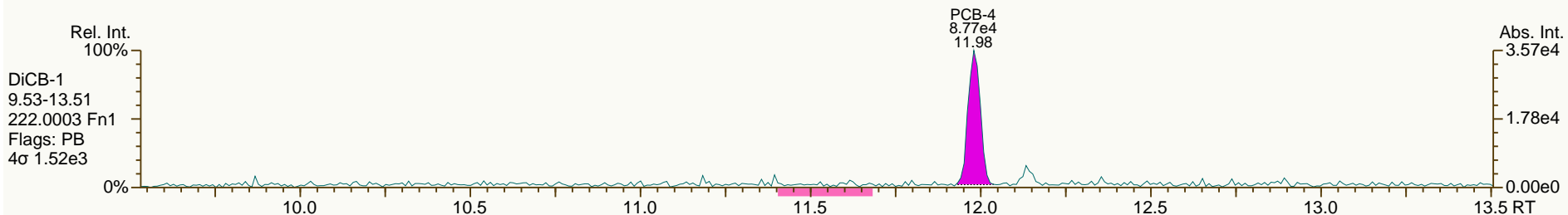
Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

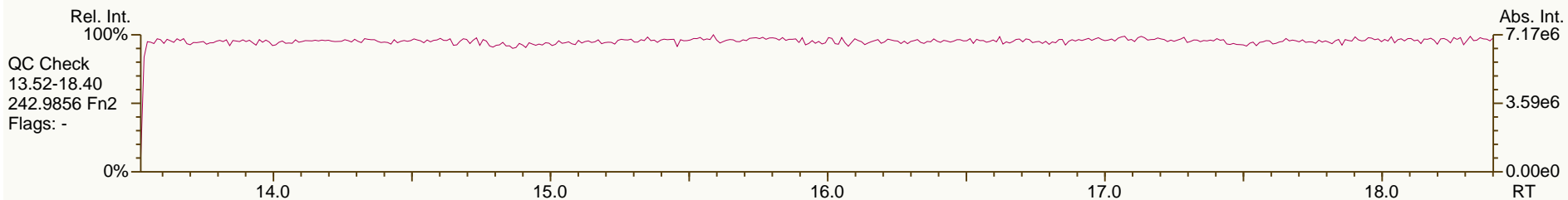
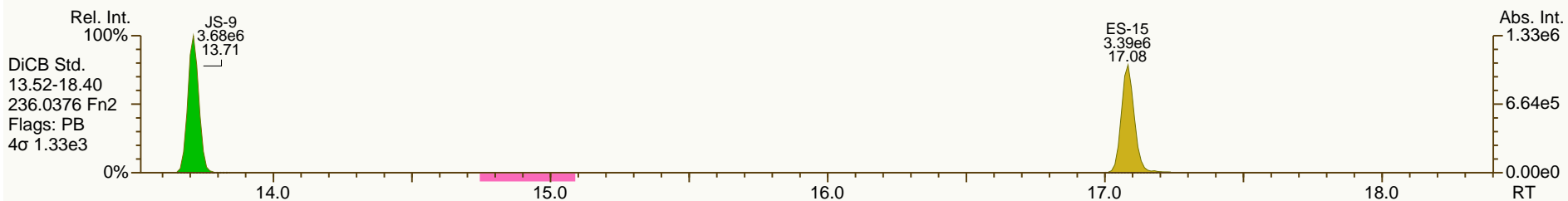
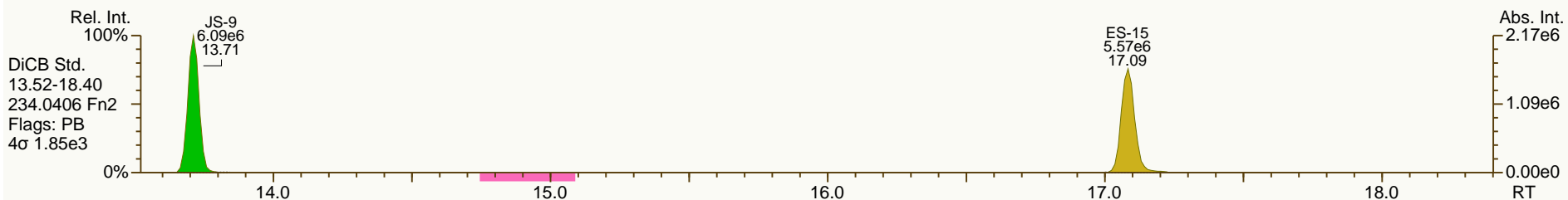
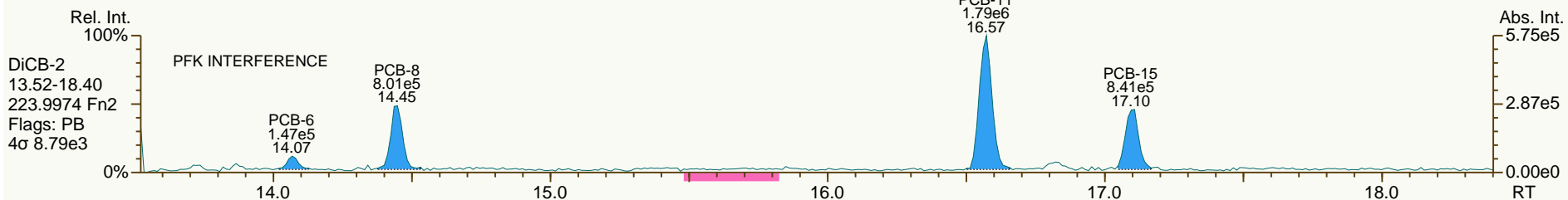
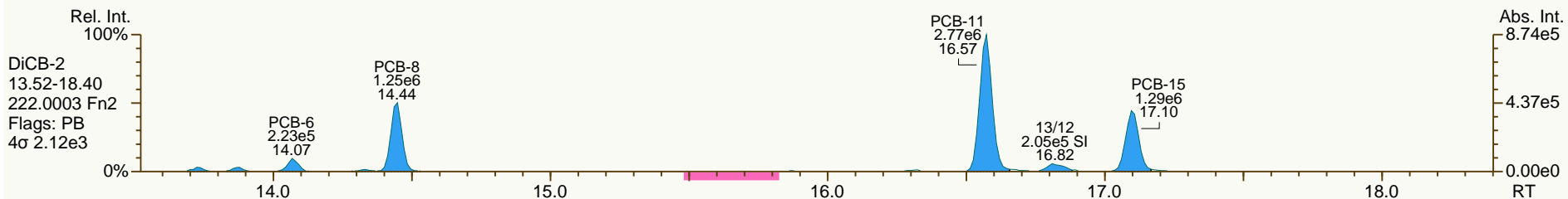
Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

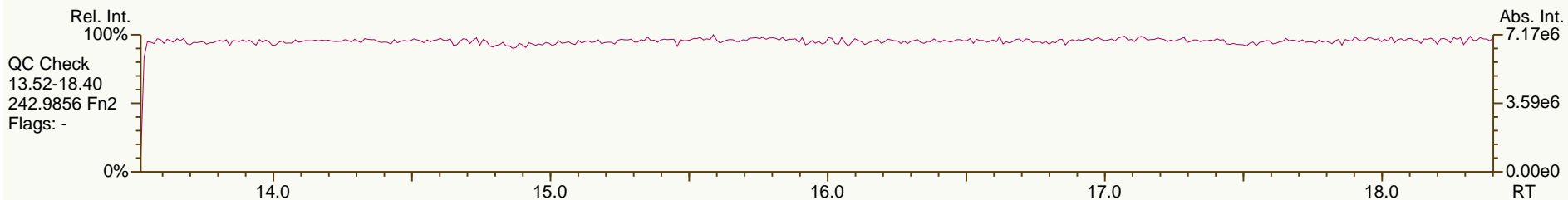
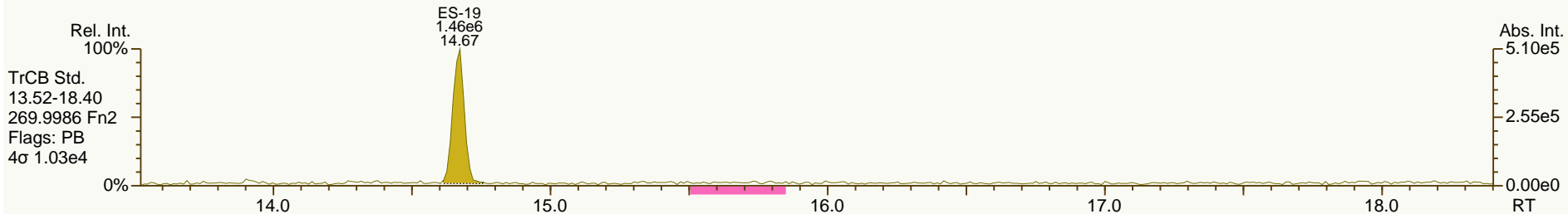
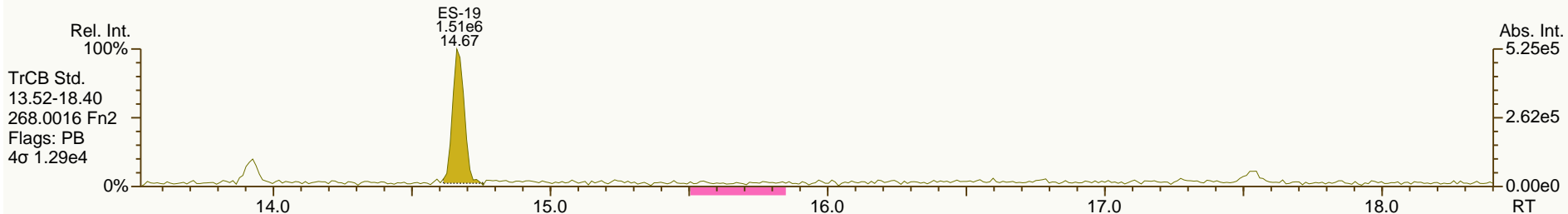
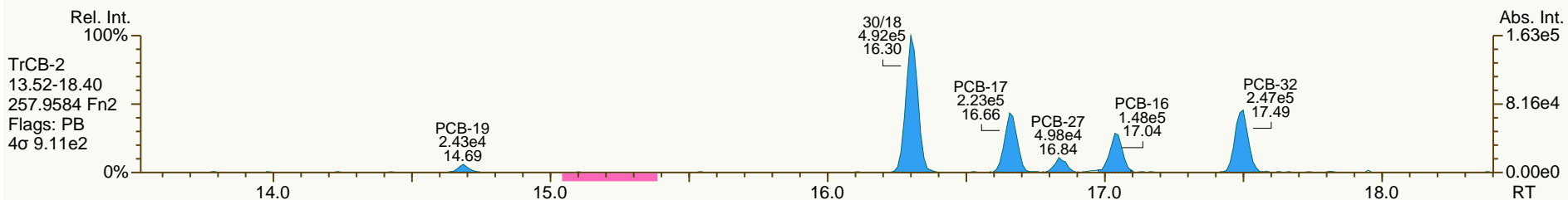
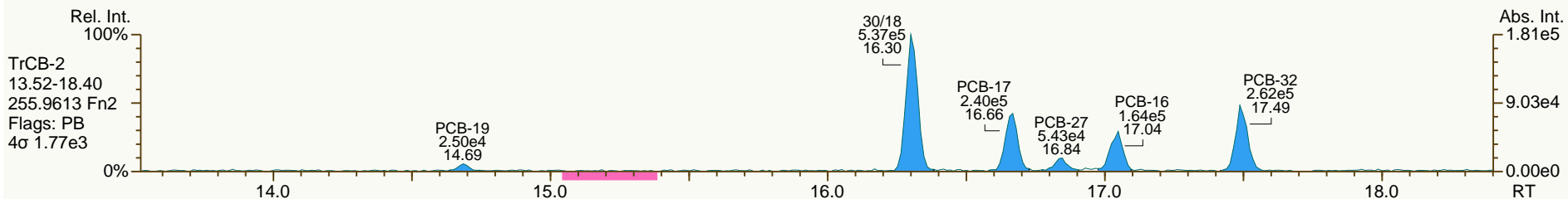
Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

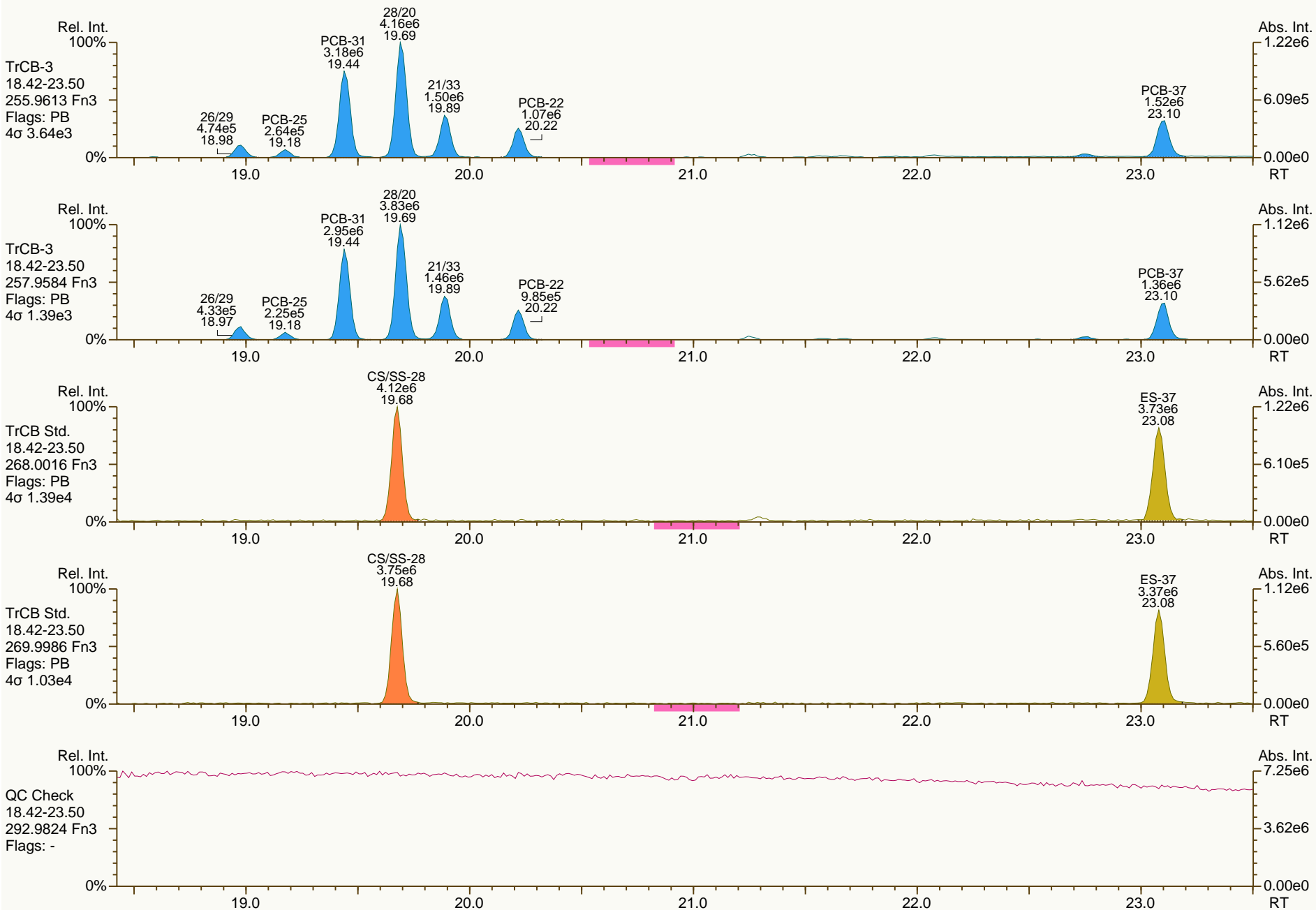
Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

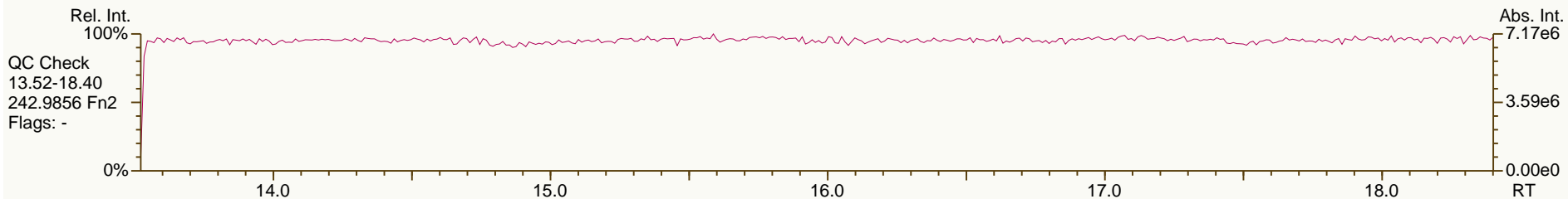
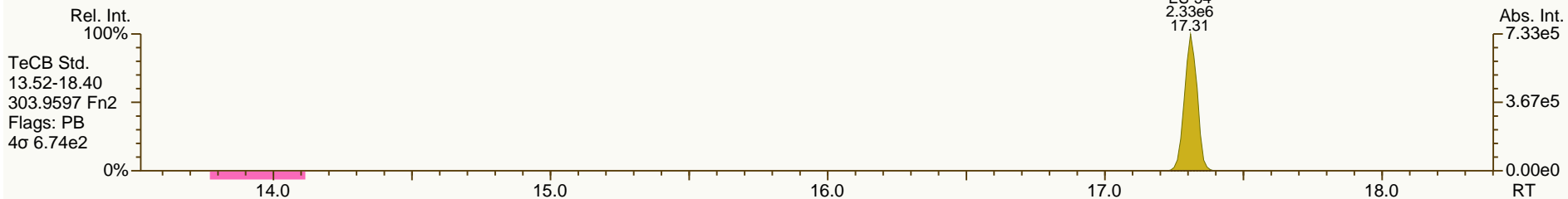
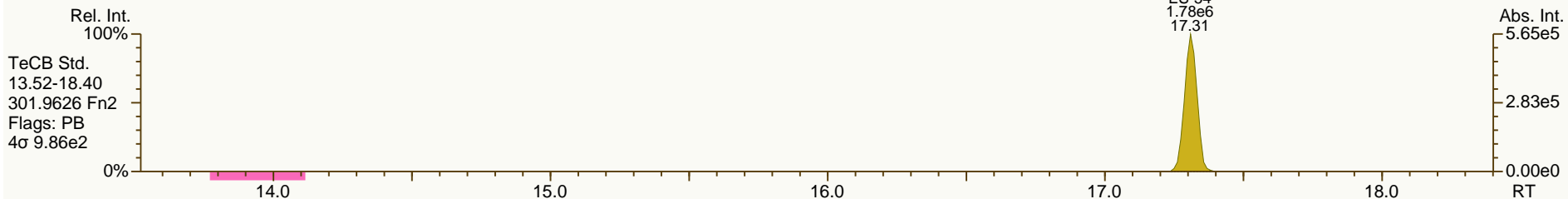
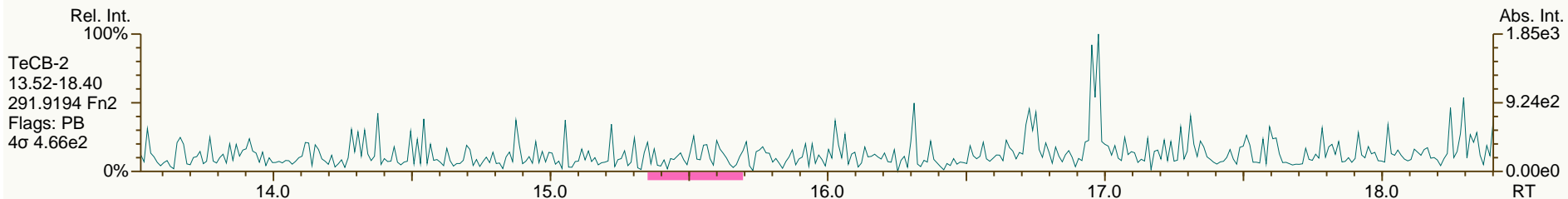
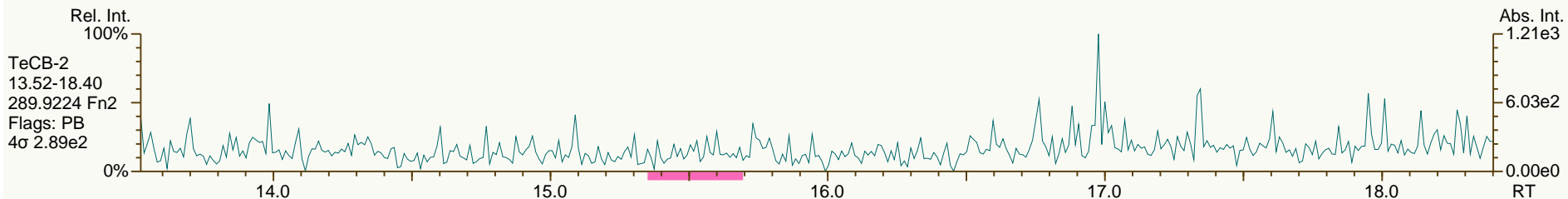
Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

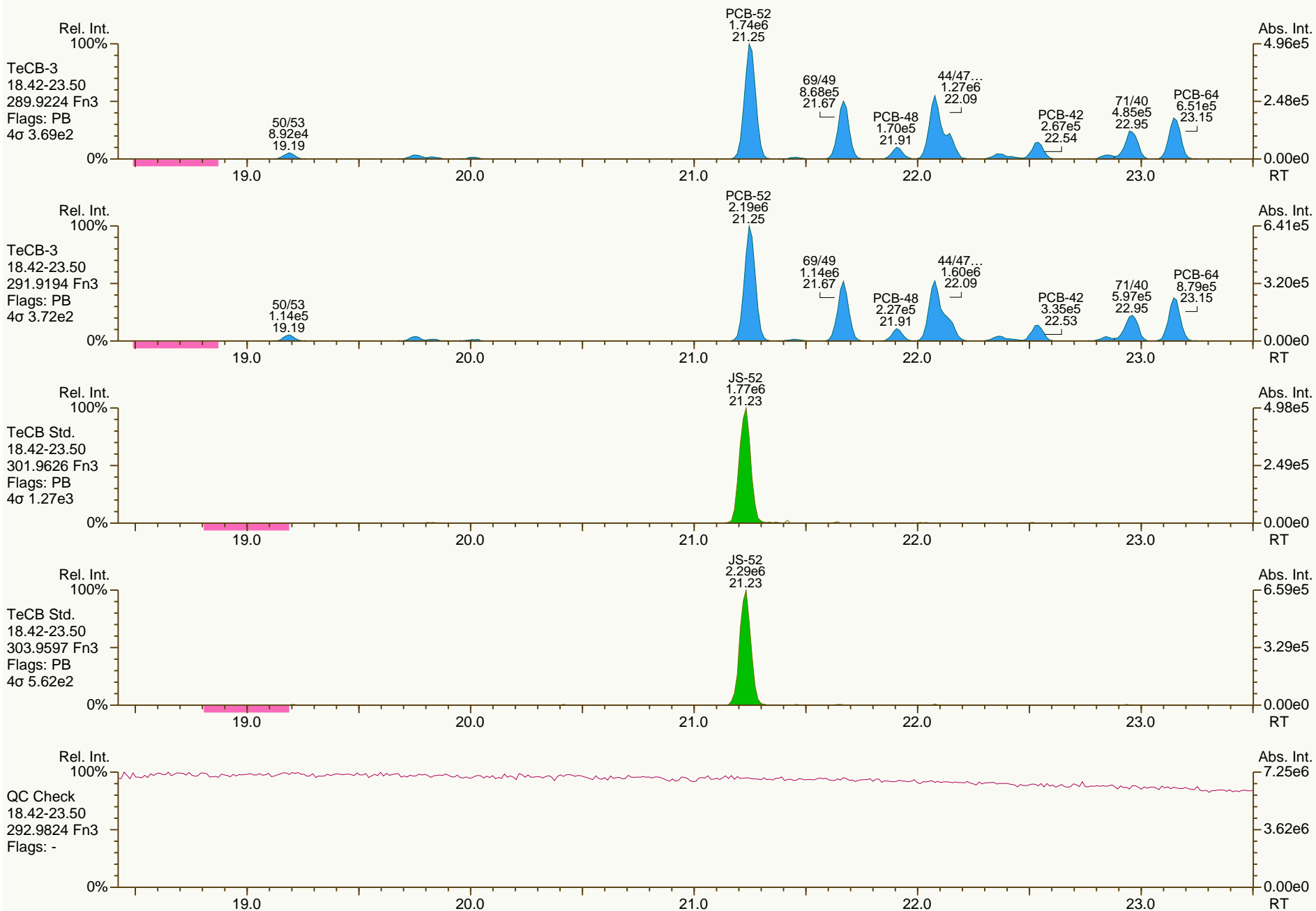
Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

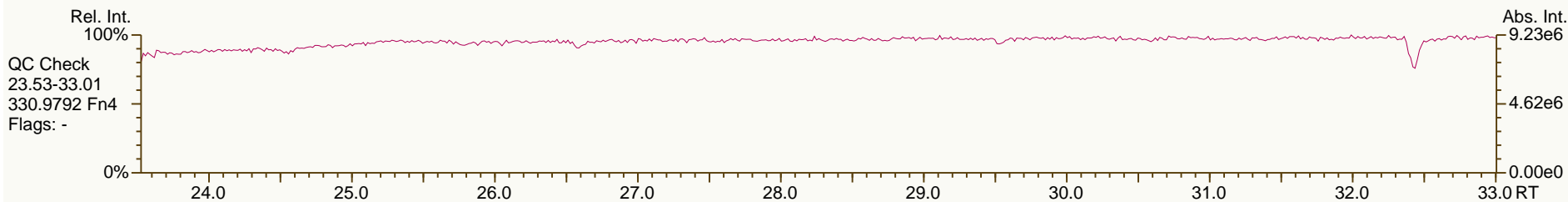
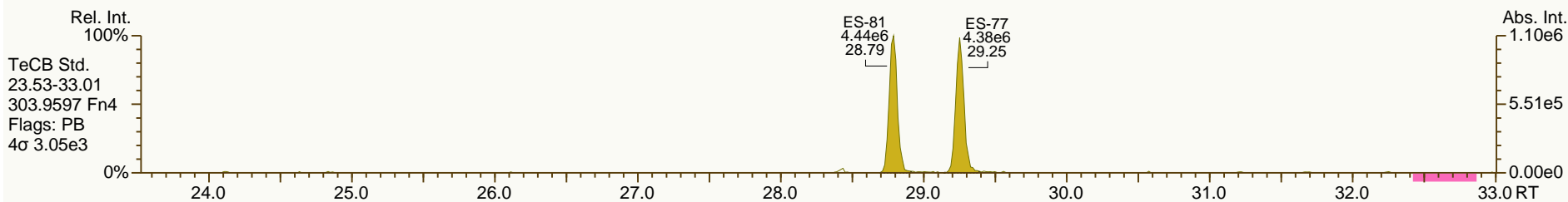
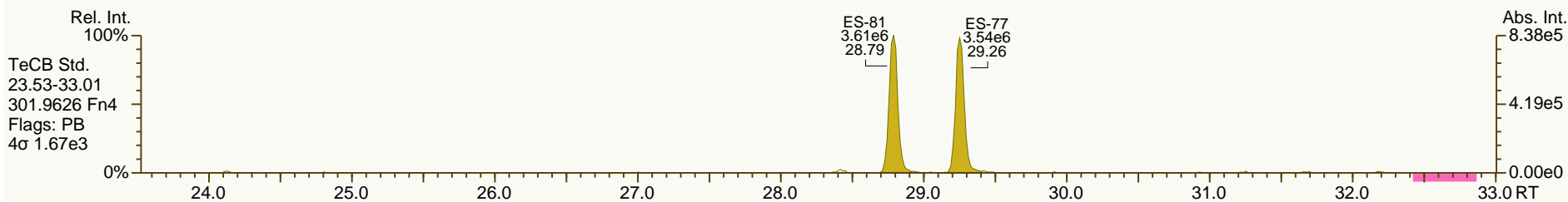
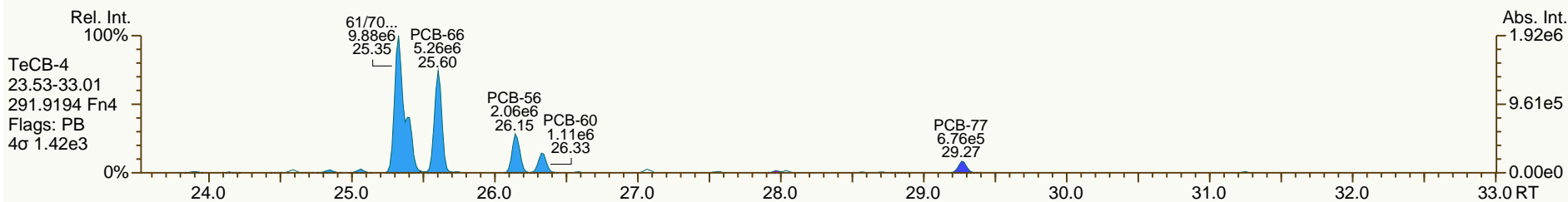
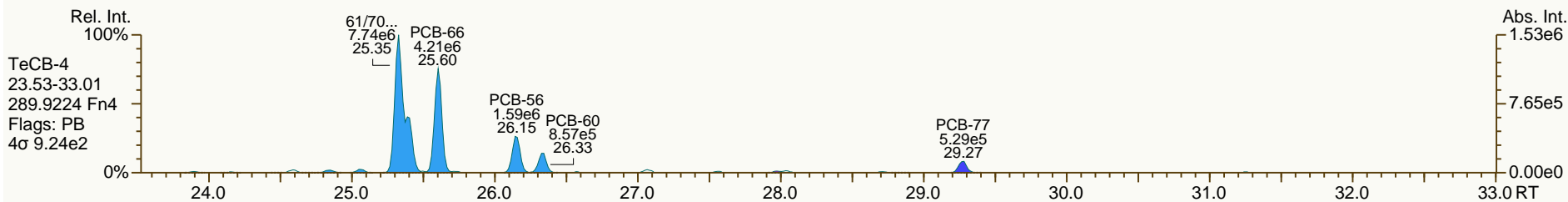
Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

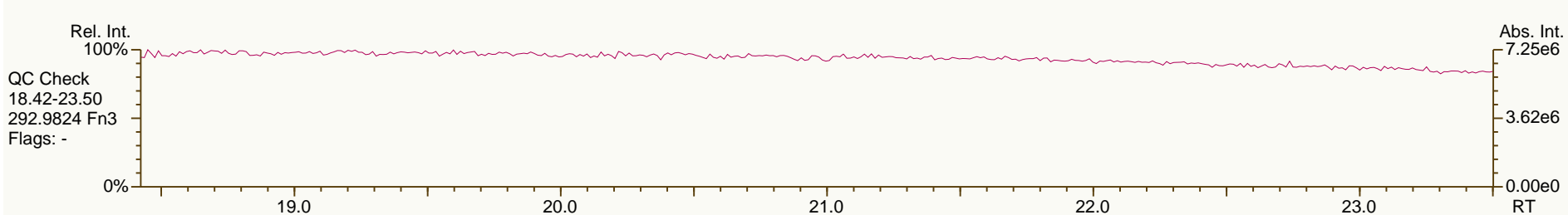
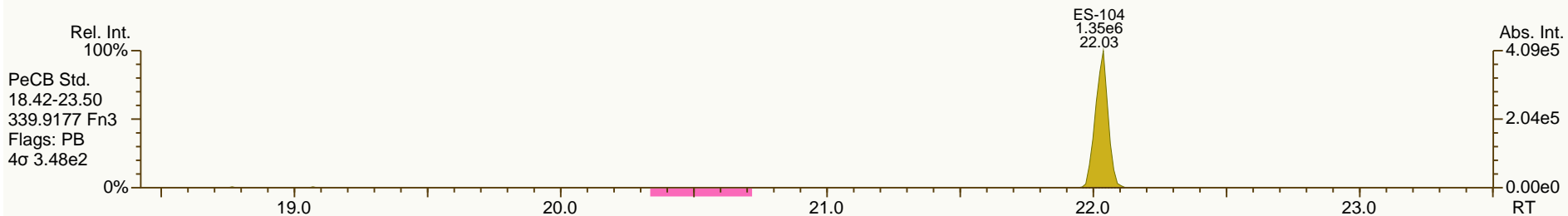
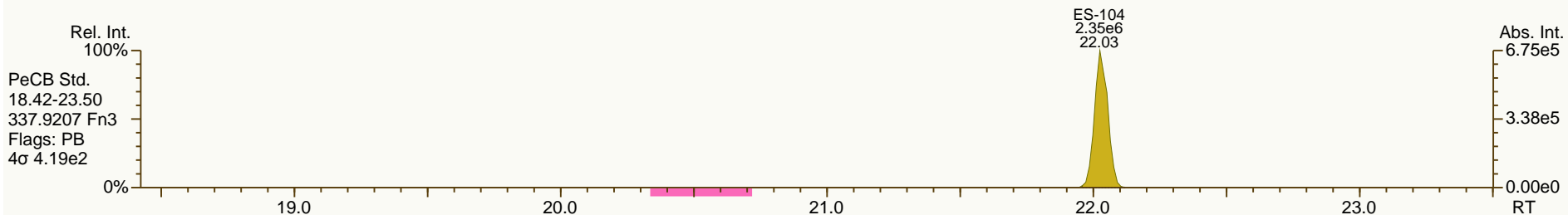
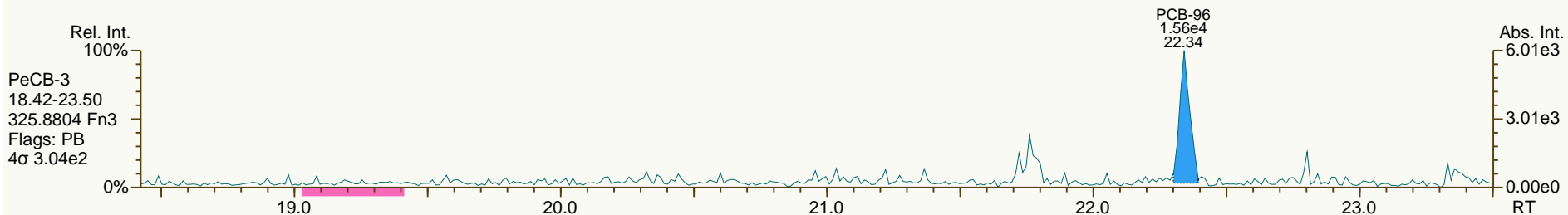
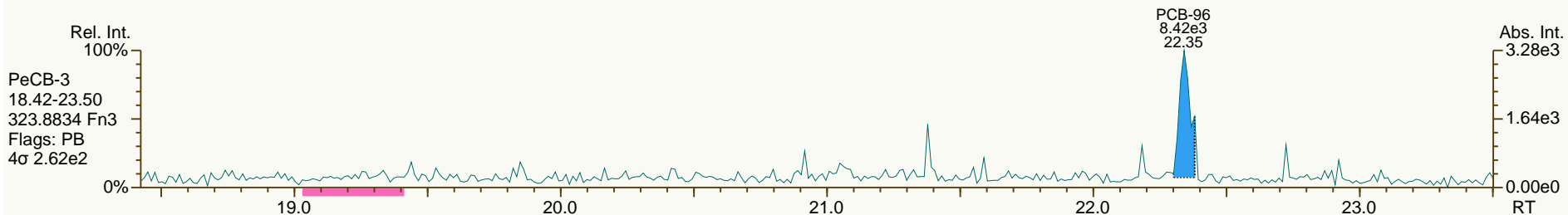
Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

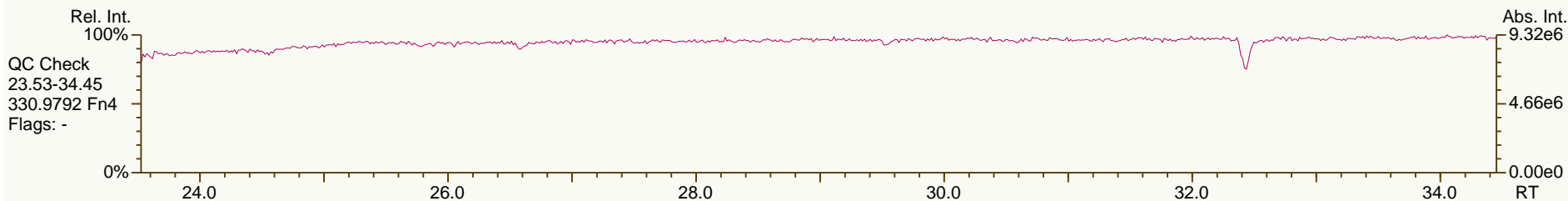
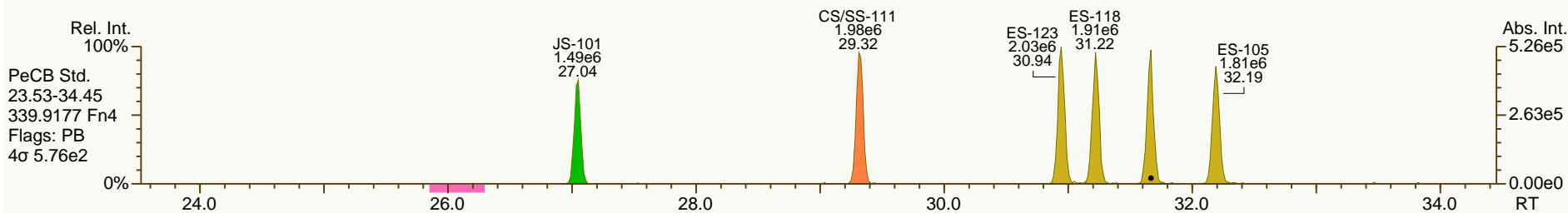
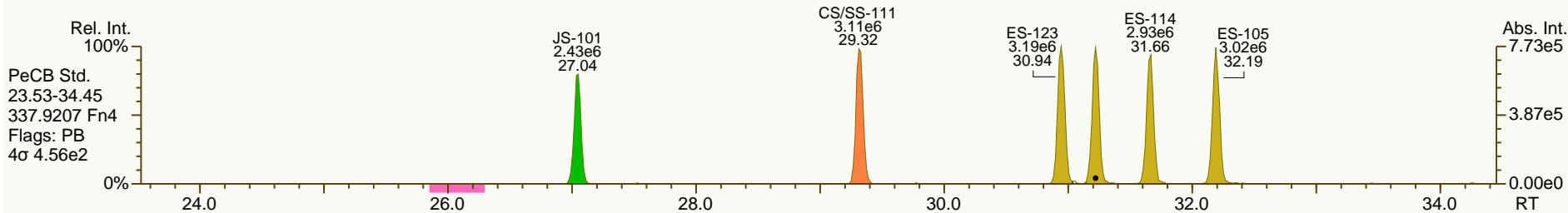
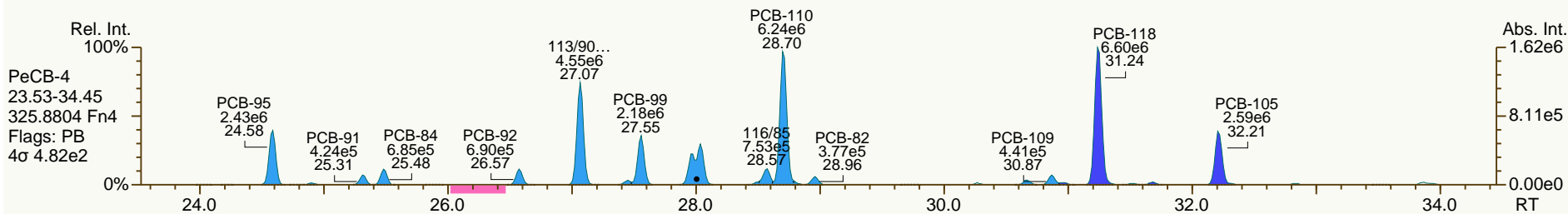
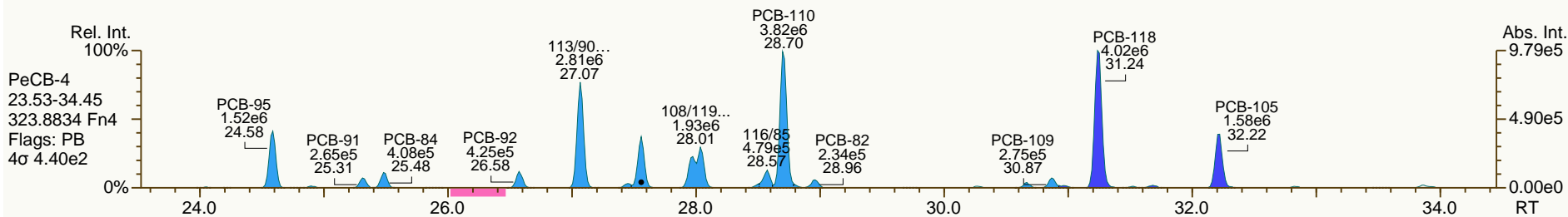
Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

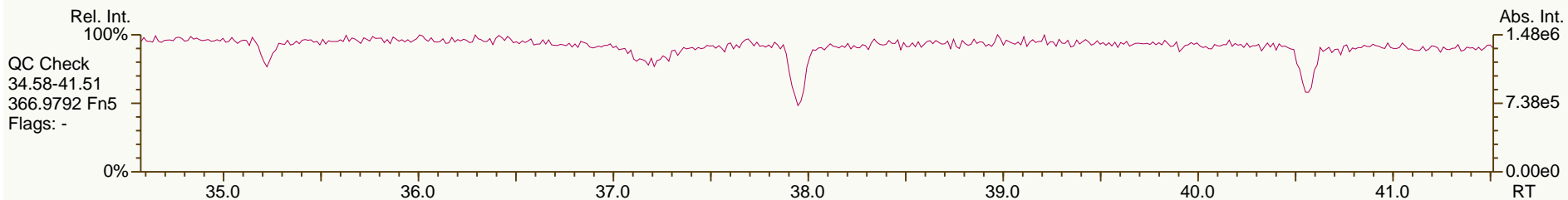
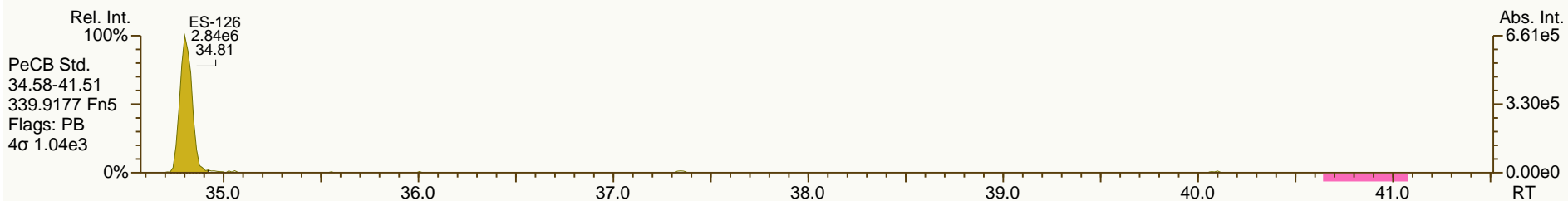
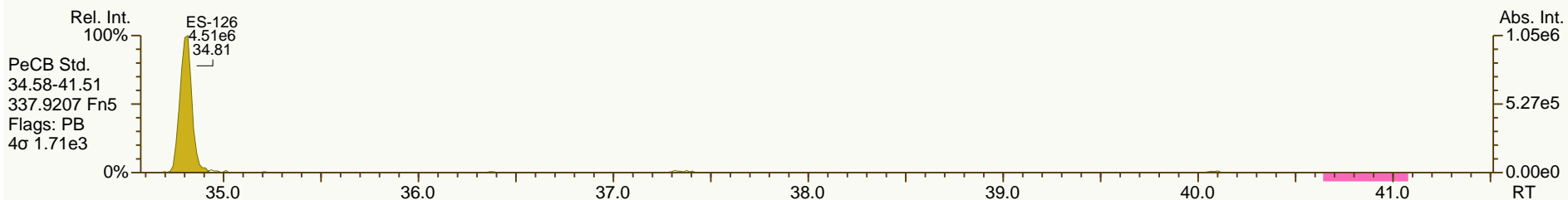
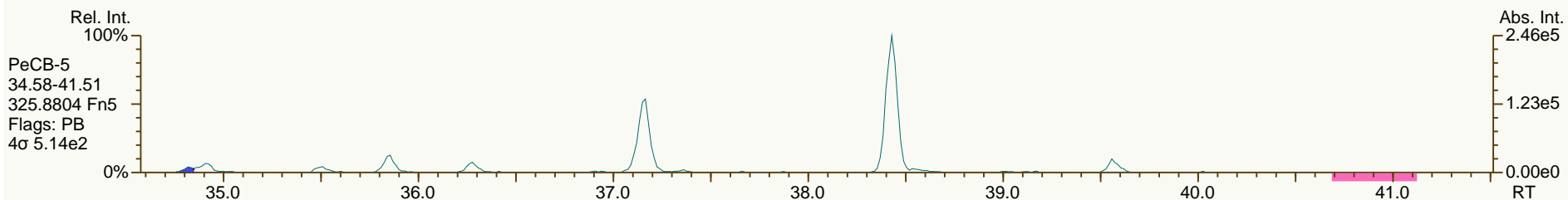
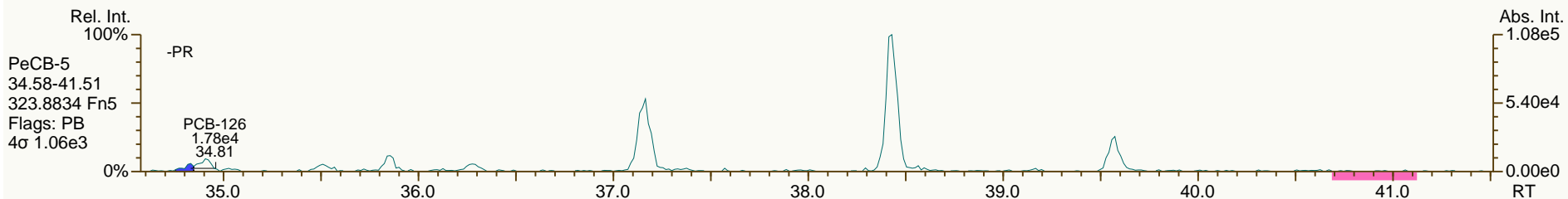
Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

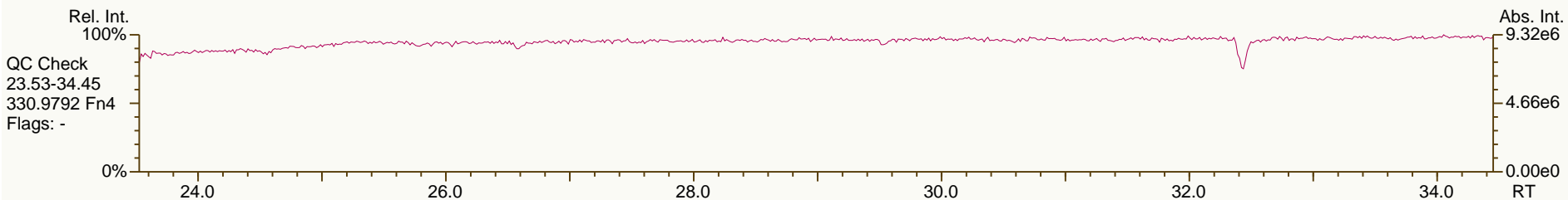
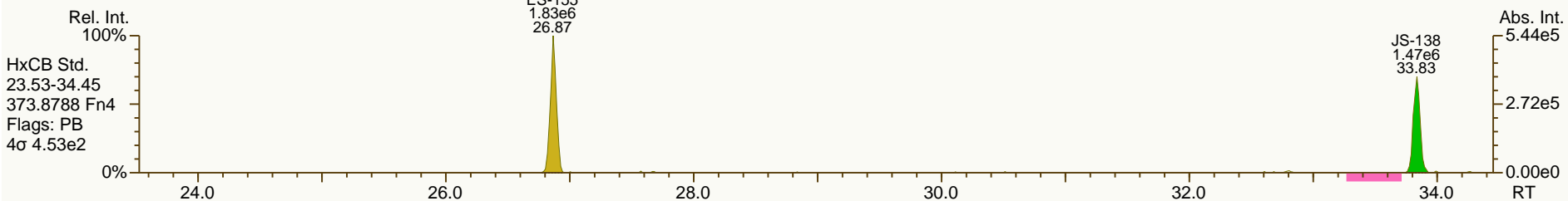
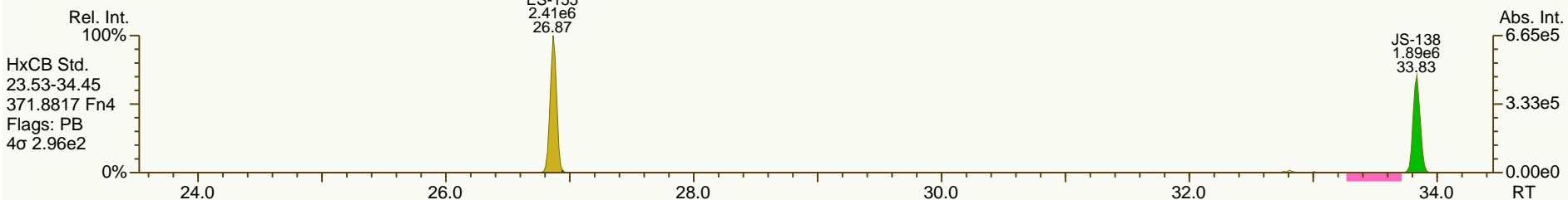
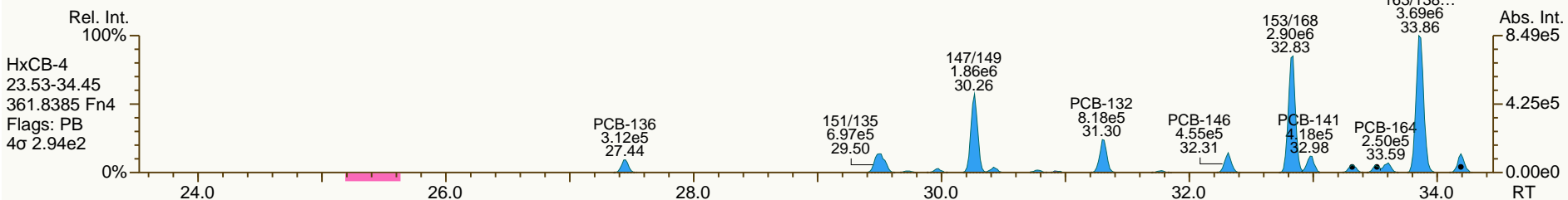
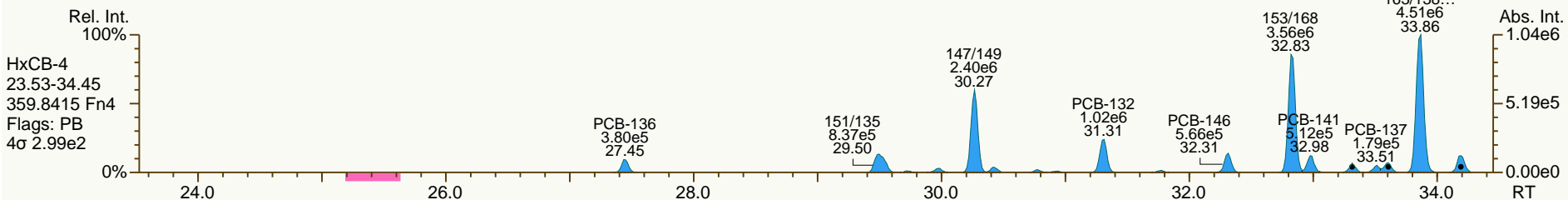
Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

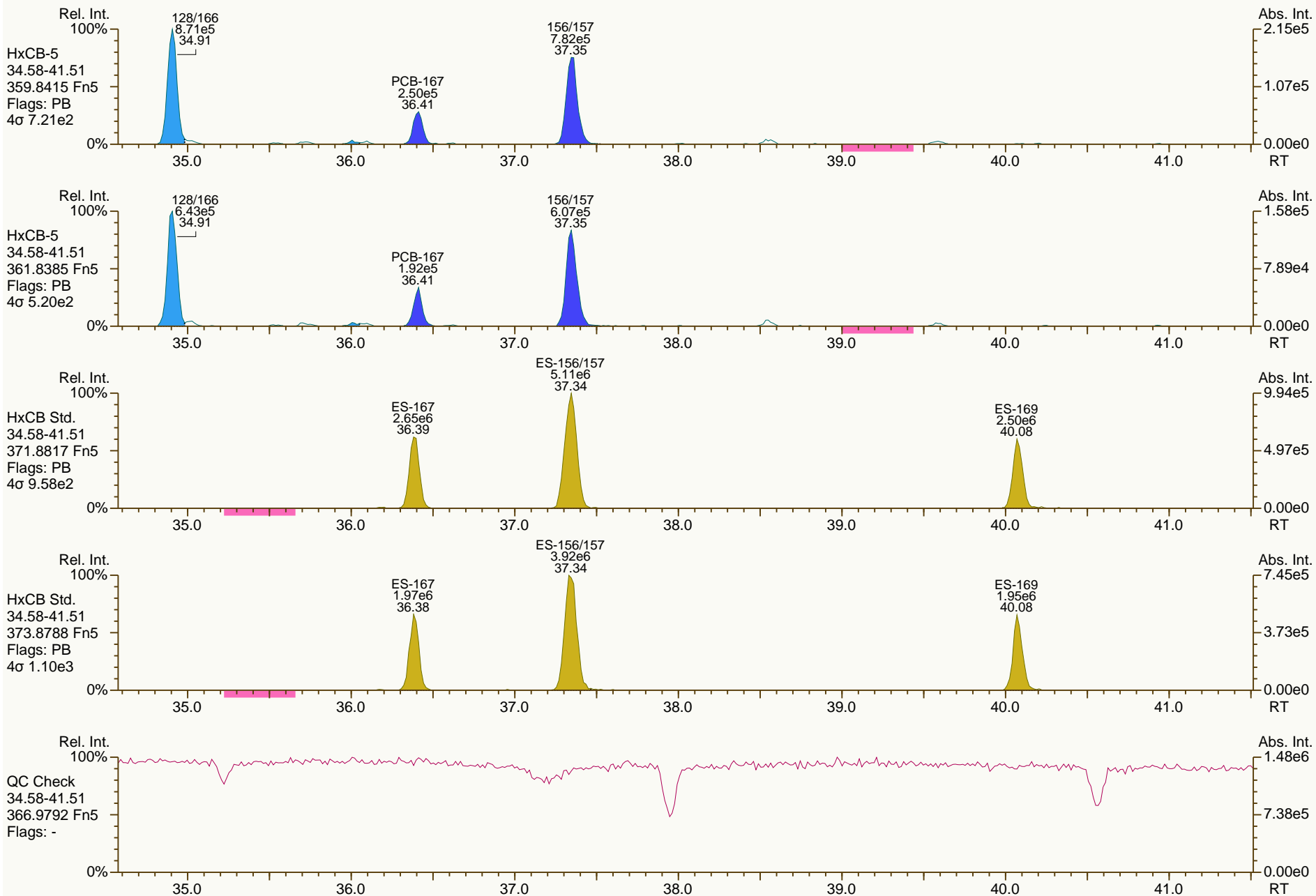
Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

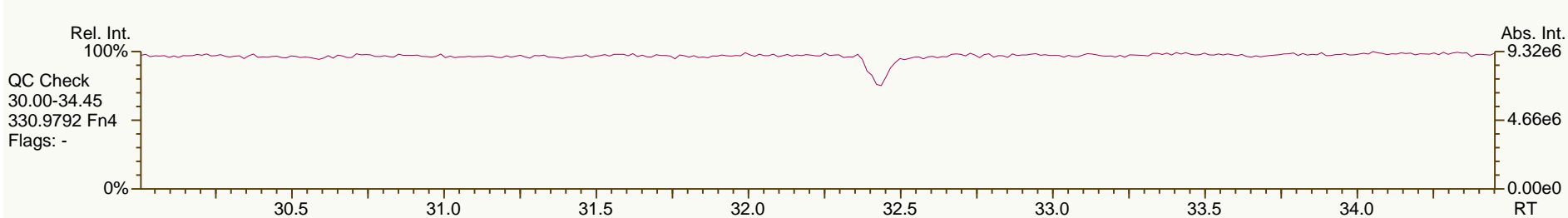
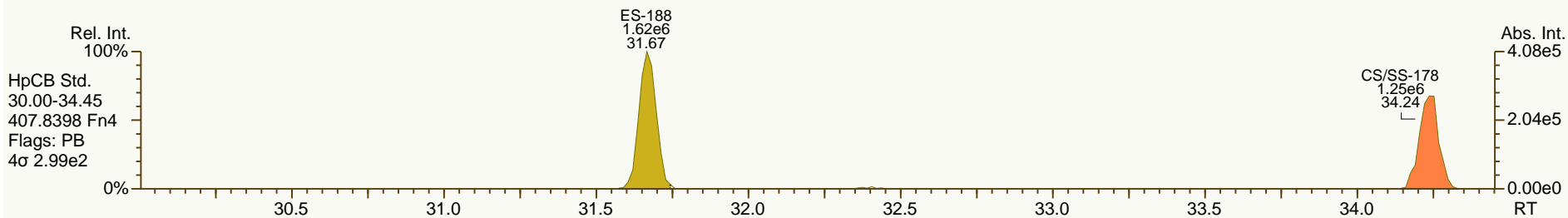
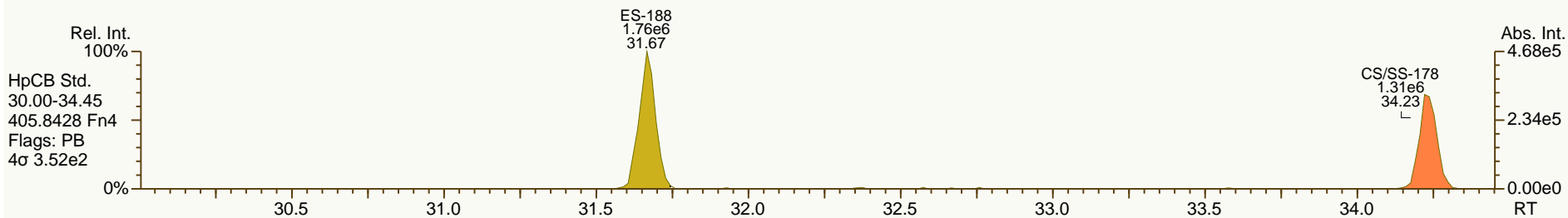
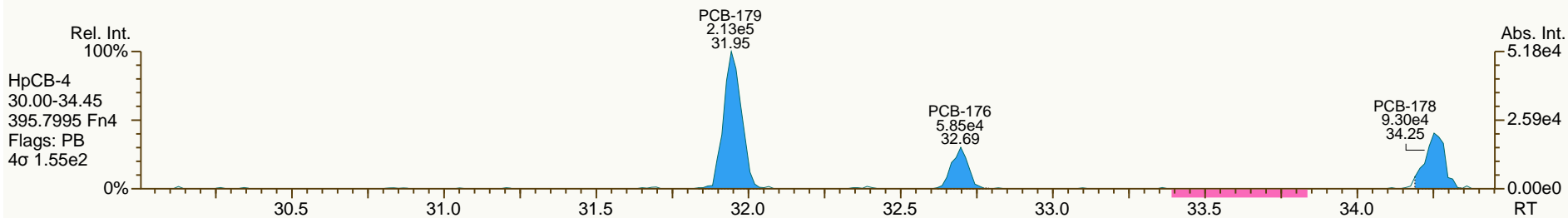
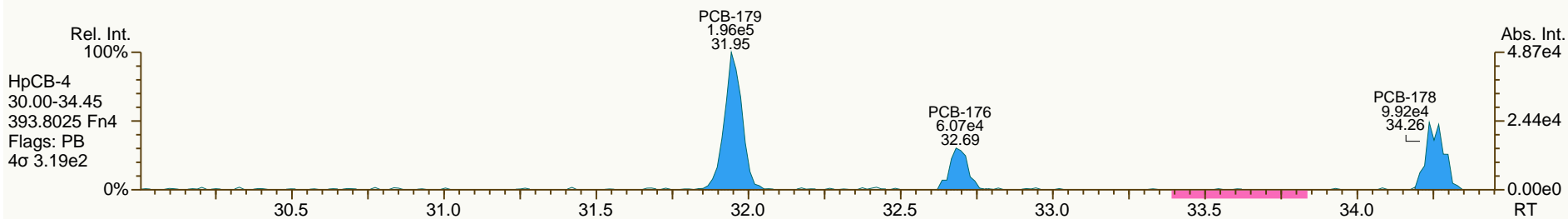
Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

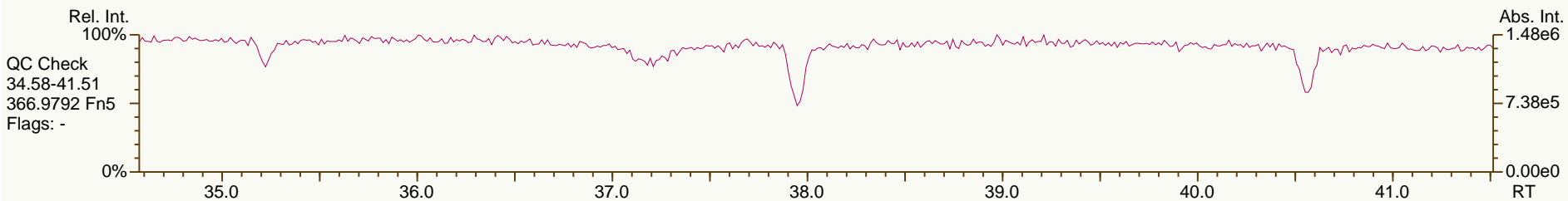
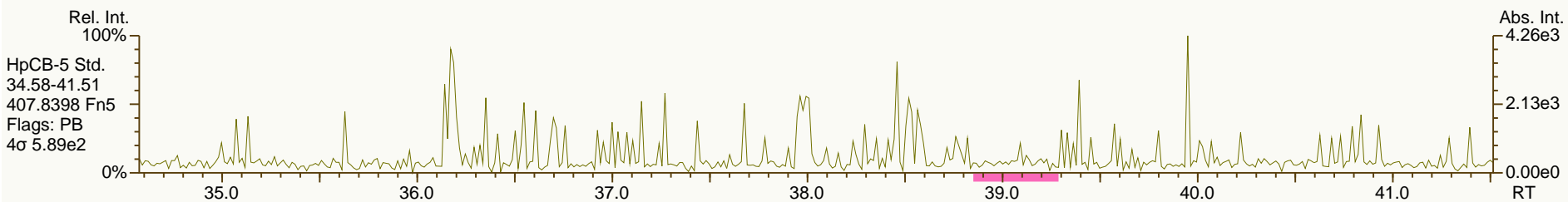
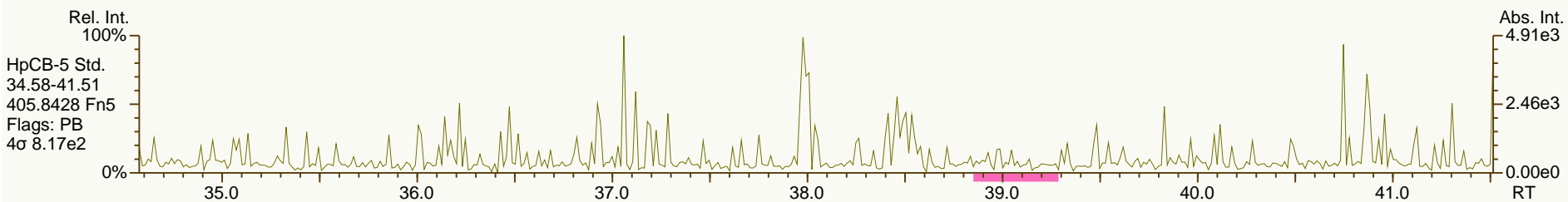
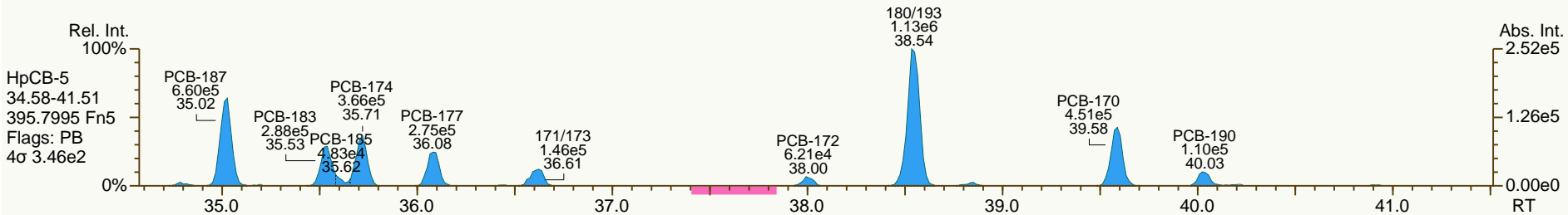
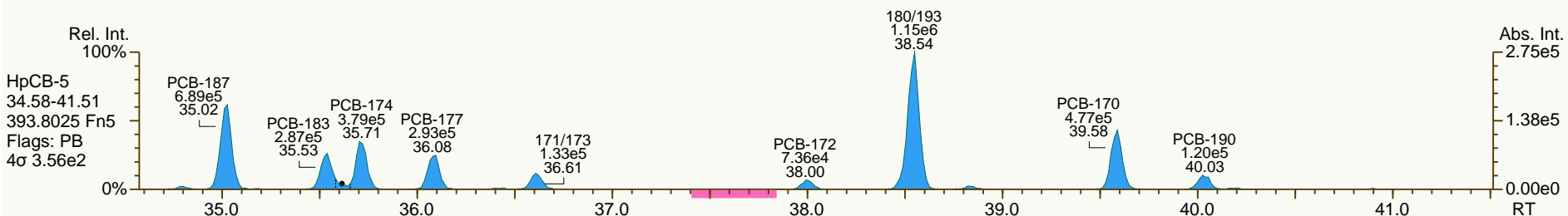
Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

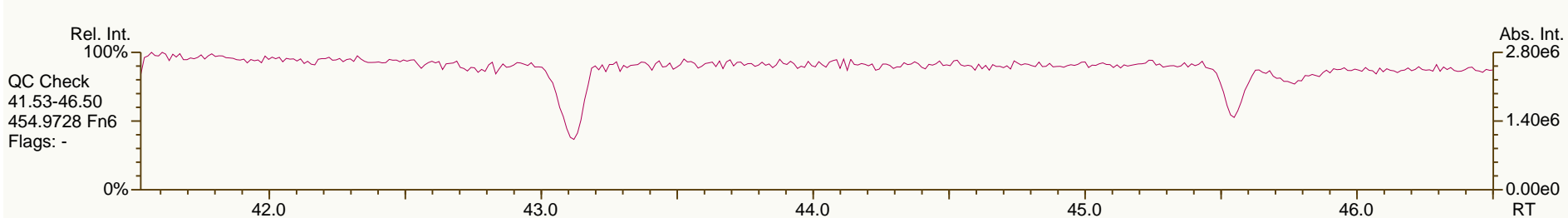
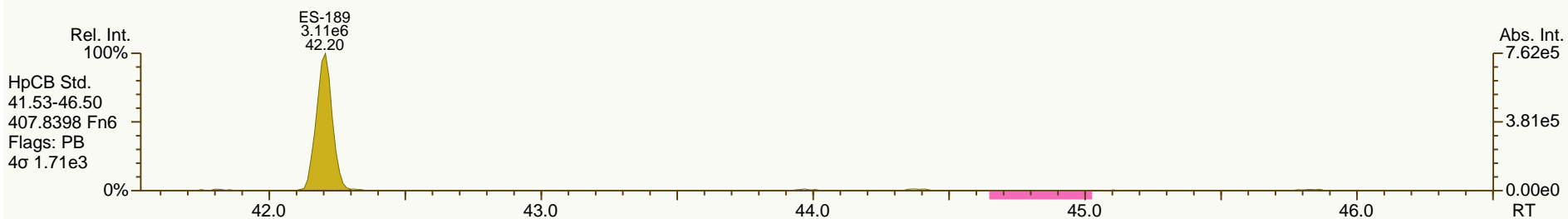
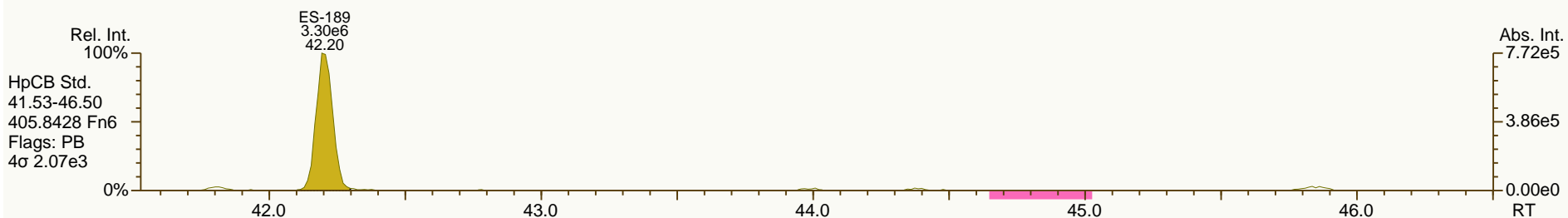
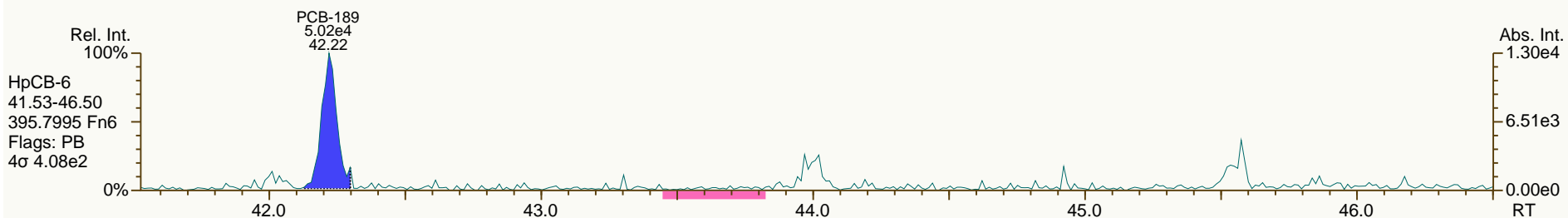
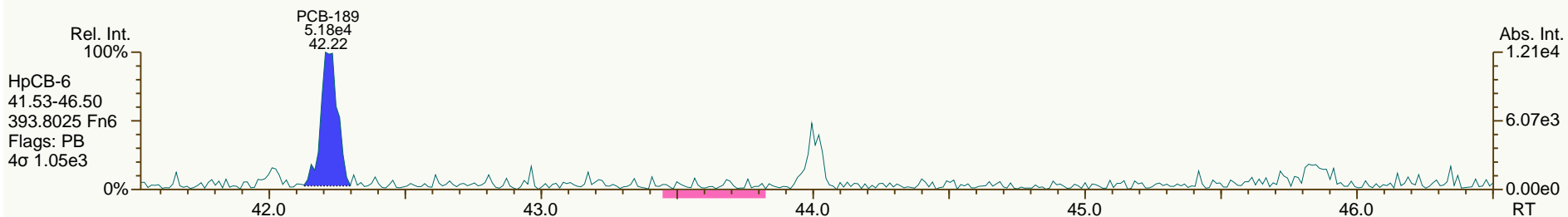
Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

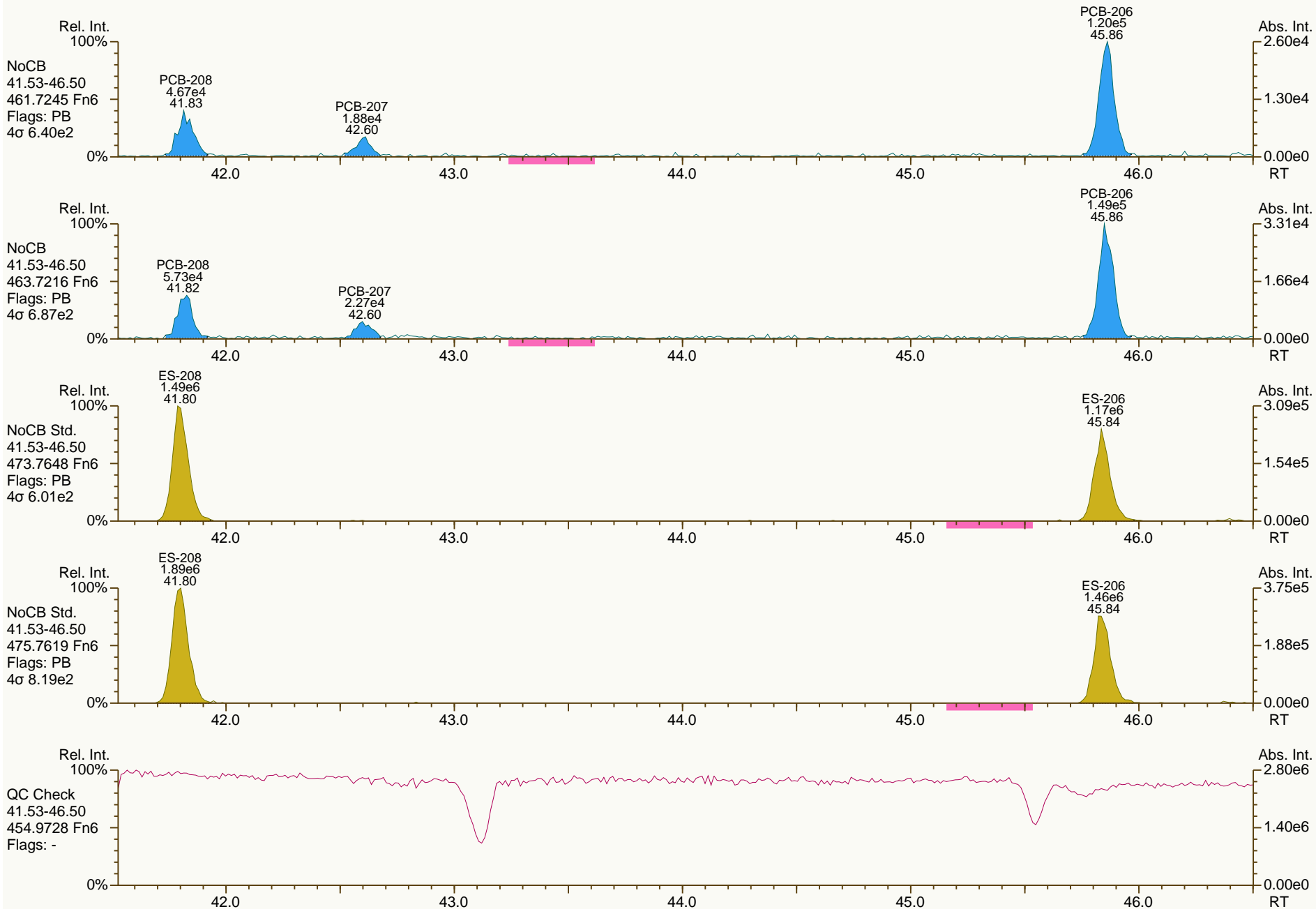
Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

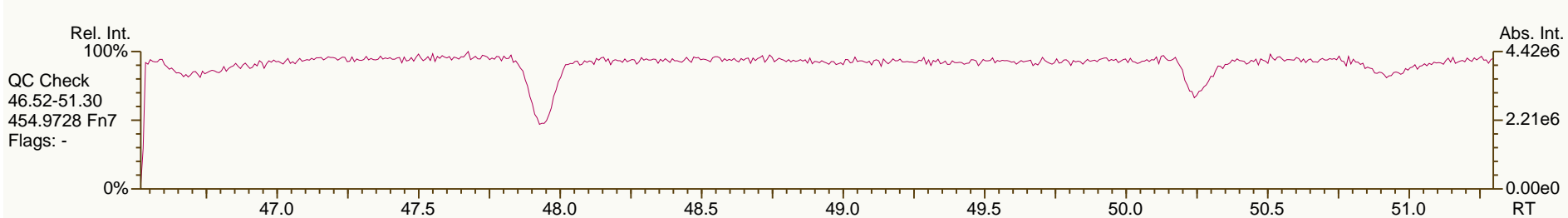
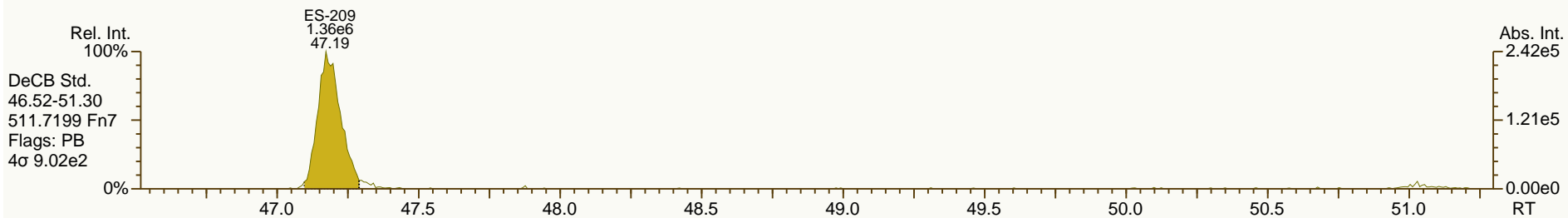
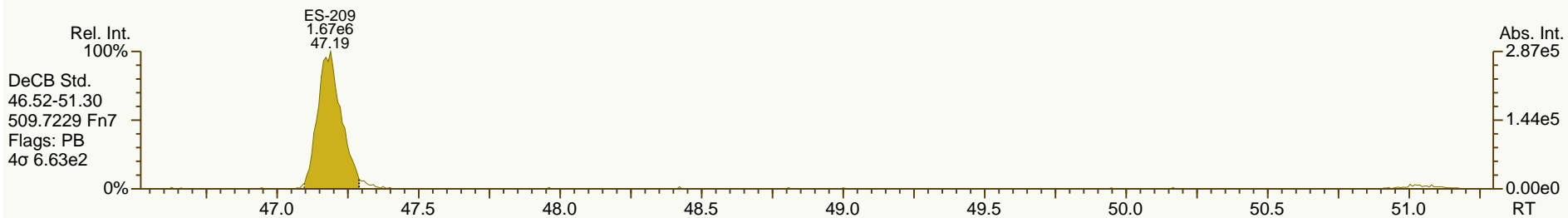
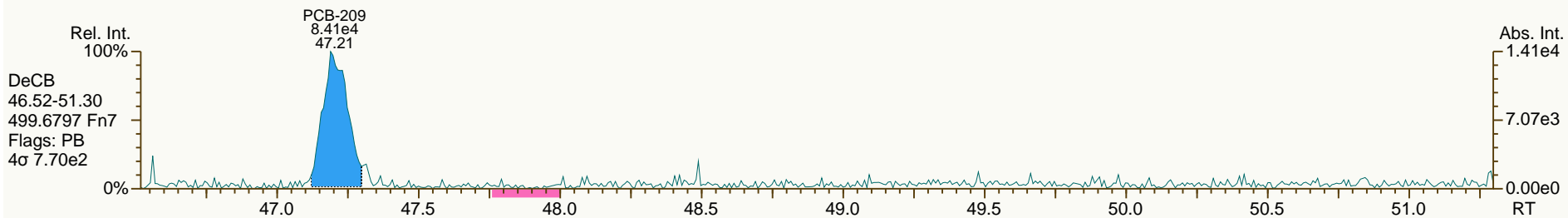
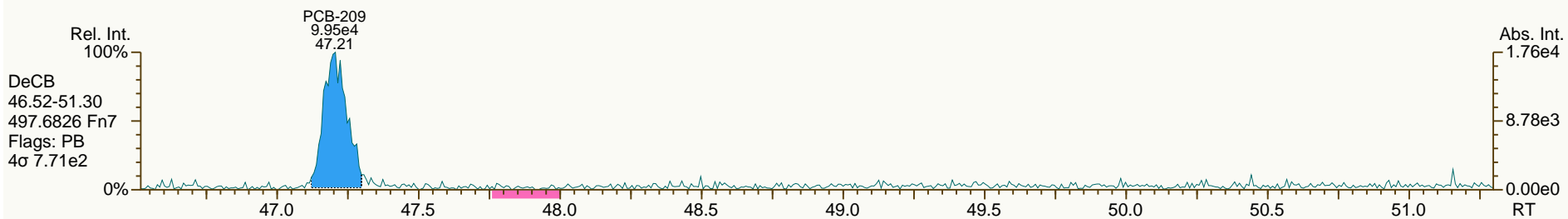
Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

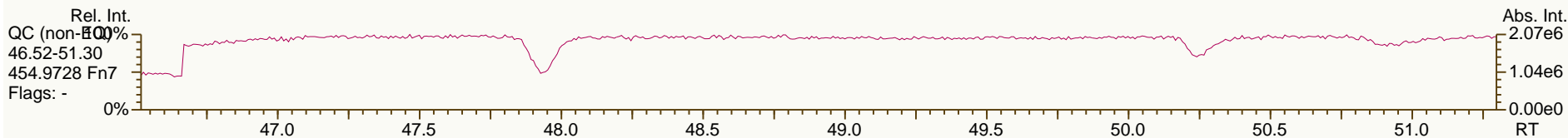
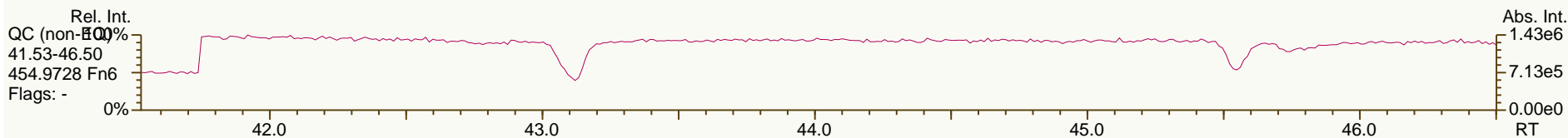
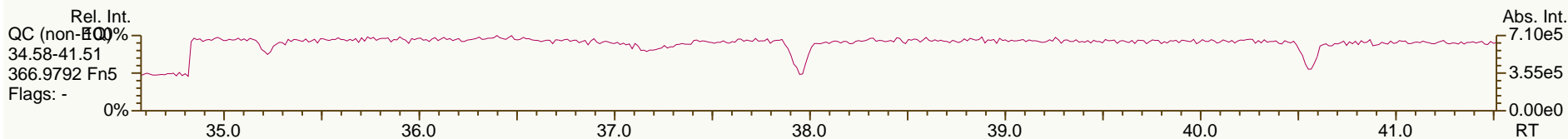
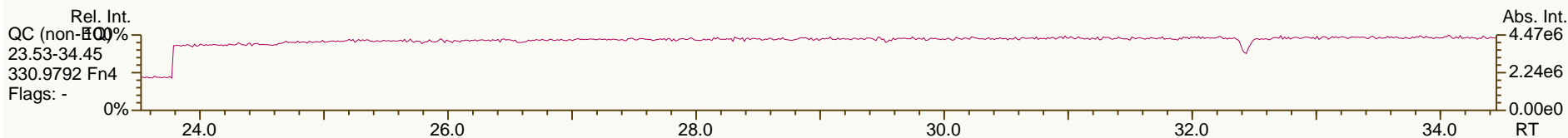
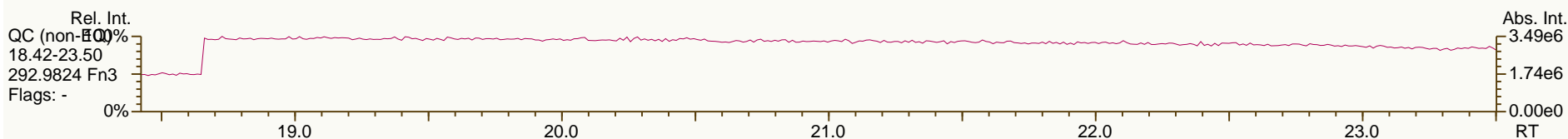
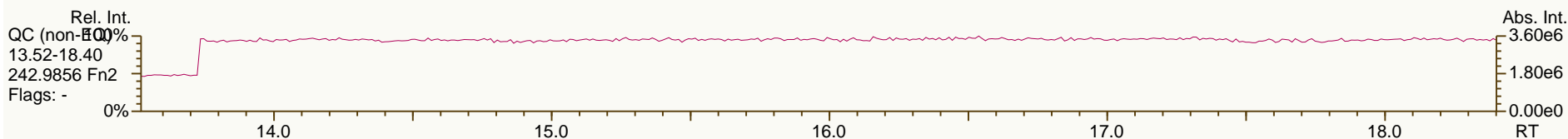
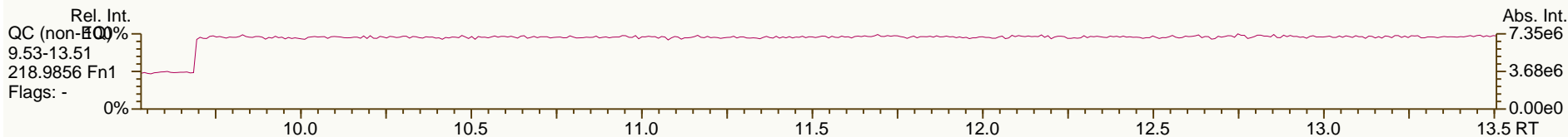
Acq: 06-Jul-2012 00:52:32
 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

Acq: 06-Jul-2012 00:52:32
User: LKB Datafile: 120705S15



Lab ID: A4371_9893_PCB_010-RJ

ACQ: 06-Jul-2012 01:47:39 LKB Wt/Vol: 9.31 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120705_PCB_SB

Client ID: JW-RG-COMP-120508

UTP: 09-Jul-2012 14:48 LKB

J-level: 1.07 pg/g Split: 1

Checkcode: 100-294-PJP

Datafile: 120705S16

RPT: 09-Jul-2012 15:40 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.28		1.0006	1.0007	+0.2	1.08E+06	0.77	1.22	19.4	2.21E+03	0.397
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	2.21E+03	0.353
PCB-105 233'44'-PeCB	32.22		1.0007	1.0007	0	2.16E+06	0.62	1.03	75.4	8.95E+02	0.31
PCB-114 2344'5'-PeCB	31.68	EMPC	1.0007	1.0007	0	9.75E+04	0.52	1.10	3.35	8.95E+02	0.304
PCB-118 23'44'5'-PeCB	31.25		1.0008	1.0007	-0.2	6.09E+06	0.61	1.03	204	8.95E+02	0.296
PCB-123 23'44'5'-PeCB	30.97		1.0007	1.0009	+0.4	8.49E+04	0.53	0.93	3.16	8.95E+02	0.327
PCB-126 33'44'5'-PeCB	34.82	J EMPC	1.0005	1.0003	-0.4	2.50E+04	0.49	1.11	0.548	1.78E+03	0.405
PCB-156/157 ...-HxCB	37.35	C	1.0005	1.0003	-0.4	5.47E+05	1.34	1.05	20.5	1.08E+03	0.543
PCB-167 23'44'55'-HxCB	36.41		1.0006	1.0006	0	1.94E+05	1.35	1.08	7.09	1.08E+03	0.408
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.08E+03	0.482
PCB-189 233'44'55'-HpCB	42.23		1.0005	1.0005	0	5.93E+04	0.97	1.11	1.45	1.27E+03	0.339
PCB-209 DeCB	47.21		1.0004	1.0004	0	2.38E+05	1.15	1.05	12.9	1.42E+03	1.13
ES PCB-1	9.84		0.7181	0.7173	-0.5	6.43E+06	3.47	1.01	51.8 %	4%	100%
ES PCB-3	11.77		0.8583	0.8581	-0.1	7.07E+06	3.35	1.05	54.8 %	11%	106%
ES PCB-4	11.97		0.8732	0.8728	-0.3	3.41E+06	1.68	0.70	39.9 %	14%	107%
ES PCB-15	17.09		1.2453	1.2459	+0.6	1.12E+07	1.67	1.17	78.1 %	19%	107%
ES PCB-19	14.67		1.0698	1.0698	0	4.03E+06	1.08	0.57	57.9 %	1%	108%
ES PCB-37	23.08	V	1.0865	1.0873	+1.1	9.13E+06	1.12	1.41	132 %	25%	123%
ES PCB-54	17.31		0.8157	0.8155	-0.2	5.12E+06	0.82	1.32	79 %	13%	105%
ES PCB-77	29.26	V	1.3777	1.3780	+0.5	9.78E+06	0.81	1.22	164 %	31%	109%
ES PCB-81	28.79	V	1.3557	1.3560	+0.5	1.01E+07	0.87	1.15	179 %	14%	127%
ES PCB-104	22.03		0.8147	0.8147	0	4.43E+06	1.69	1.69	56.3 %	36%	115%
ES PCB-105	32.19		1.1906	1.1903	-0.6	6.00E+06	1.65	1.21	107 %	50%	111%
ES PCB-114	31.66		1.1709	1.1707	-0.4	5.69E+06	1.61	1.23	99 %	41%	121%
ES PCB-118	31.22		1.1547	1.1544	-0.6	6.18E+06	1.68	1.25	106 %	49%	111%
ES PCB-123	30.94		1.1444	1.1441	-0.6	6.24E+06	1.69	1.33	101 %	49%	116%
ES PCB-126	34.81	V	1.2871	1.2870	-0.2	8.80E+06	1.65	1.36	139 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.87		0.7939	0.7940	+0.2	5.20E+06	1.23	1.40	94.3 %	25%	124%
ES PCB-156/157	37.34	V	1.1035	1.1036	+0.2	1.10E+07	1.26	1.13	123 %	40%	120%
ES PCB-167	36.39	V	1.0753	1.0754	+0.2	5.43E+06	1.25	1.13	122 %	45%	118%
ES PCB-169	40.08		1.1842	1.1844	+0.5	4.96E+06	1.28	1.14	110 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.67		0.7204	0.7202	-0.4	4.05E+06	1.13	1.34	76.7 %	23%	125%
ES PCB-189	42.21	V	0.9598	0.9597	-0.3	7.93E+06	1.08	1.77	124 %	47%	116%
ES PCB-202	36.18		0.8230	0.8228	-0.4	4.35E+06	0.89	1.27	86.9 %	31%	134%
ES PCB-205	44.37		1.0090	1.0090	0	4.97E+06	0.90	1.25	110 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.84		1.0424	1.0425	+0.3	3.26E+06	0.79	1.07	84.6 %	38%	122%
ES PCB-208	41.80		0.9508	0.9506	-0.5	4.27E+06	0.82	1.34	88.2 %	31%	126%
ES PCB-209	47.19		1.0732	1.0731	-0.3	3.79E+06	1.18	1.18	88.5 %	43%	115%
CS/SS PCB-28	19.68		0.9269	0.9268	-0.1	9.57E+06	1.13	0.98	107 %	14%	131%
CS/SS PCB-111	29.32	V	1.0843	1.0840	-0.5	6.33E+06	1.68	0.90	113 %	57%	112%
CS/SS PCB-178	34.24		1.0118	1.0118	0	3.05E+06	1.08	0.65	116 %	57%	125%
CS PCB-28	19.68	V	0.9269	0.9268	-0.1	9.57E+06	1.13	1.39	141 %	14%	131%
CS PCB-111	29.32	V	1.0843	1.0840	-0.5	6.33E+06	1.68	1.19	114 %	57%	112%
CS PCB-178	34.24		1.0118	1.0118	0	3.05E+06	1.08	0.87	89.3 %	57%	125%
JS PCB-9	13.71					1.23E+07	1.67				
JS PCB-52	21.23					4.90E+06	0.81				
JS PCB-101	27.05					4.67E+06	1.68				
JS PCB-138	33.84					3.93E+06	1.32				
JS PCB-194	43.98					3.62E+06	0.90				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	41.7	41.7	0.319		
						Di-CBs	286	286	2.98		
						Tri-CBs	1,210	1,210	1.15		
						Tetra-CBs	1,540	1,540	0.294		
						Penta-CBs	1,480	1,480	0.317		
						Hexa-CBs	922	928	0.408		
						Hepta-CBs	303	332	0.416		
						Octa-CBs	149	149	0.429		
						Nona-CBs	34.4	34.4	0.769		
PCB-1 2-MoCB	9.85		1.0011	1.0011	0	6.33E+05	3.15	1.20	17.7	2.12E+03	0.289
PCB-2 3-MoCB	11.63		0.9878	0.9878	0	4.04E+05	2.94	1.39	8.82	2.12E+03	0.284
PCB-3 4-MoCB	11.78		1.0010	1.0010	0	5.65E+05	3.15	1.13	15.2	2.12E+03	0.35
PCB-4 22'-DiCB	11.98		1.0012	1.0011	-0.1	4.15E+05	1.57	0.94	27.6	9.85E+03	3.96
PCB-10 26-DiCB	12.14		1.0142	1.0143	+0.1	3.69E+04	SI	1.56	1.49	3.27E+03	0.795
PCB-9 25-DiCB	13.73		1.0011	1.0010	-0.1	2.26E+05	SI	0.93	4.64	3.96E+03	0.684
PCB-7 24-DiCB	13.87		1.0116	1.0116	0	1.74E+05	SI	1.10	3.03	3.96E+03	0.58
PCB-6 23'-DiCB	14.07		1.0261	1.0261	0	9.29E+05	1.68	1.01	17.6	1.25E+04	2
PCB-5 23-DiCB	14.33		1.0451	1.0450	-0.1	8.67E+04	SI	1.02	1.63	3.96E+03	0.628
PCB-8 24'-DiCB	14.45		1.0533	1.0534	+0.1	5.37E+06	1.57	1.05	98.2	1.25E+04	1.93
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.20	ND	1.25E+04	1.68
PCB-11 33'-DiCB	16.57	B	0.9701	0.9700	-0.1	3.30E+06	1.52	1.04	61.1	1.25E+04	1.95
PCB-13/12 34'/34-DiCB	16.83	C	0.9855	0.9850	-0.5	4.15E+05	1.59	1.03	7.7	1.25E+04	1.95
PCB-15 44'-DiCB	17.10		1.0008	1.0009	+0.1	3.28E+06	1.57	1.01	62.6	1.25E+04	2.01

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.69		1.0011	1.0011	0	2.14E+05	1.05	1.01	11.3	2.75E+03	0.996
PCB-30/18 246/22'5-TrCB	16.31	C	1.1110	1.1115	+0.5	3.45E+06	1.07	1.32	140	2.75E+03	0.763
PCB-17 22'4-TrCB	16.67		1.1357	1.1359	+0.2	1.57E+06	1.02	1.12	74.6	2.75E+03	0.895
PCB-27 23'6-TrCB	16.85		1.1479	1.1482	+0.3	3.55E+05	1.02	1.46	13	2.75E+03	0.69
PCB-24 236-TrCB	16.96	EMPC	1.1558	1.1556	-0.2	4.20E+04	0.77	1.48	1.51	2.75E+03	0.679
PCB-16 22'3-TrCB	17.04		1.1612	1.1616	+0.4	1.13E+06	1.02	0.87	69.1	2.75E+03	1.15
PCB-32 24'6-TrCB	17.50		1.1923	1.1925	+0.2	1.48E+06	1.05	1.56	50.8	2.75E+03	0.647
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.37	ND	7.09E+03	1.15
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	7.09E+03	1.09
PCB-26/29 23'5/245-TrCB	18.98	C	0.8236	0.8221	-1.7	2.29E+06	1.06	1.43	37.6	7.09E+03	1.09
PCB-25 23'4-TrCB	19.18		0.8315	0.8308	-0.8	1.14E+06	1.02	1.43	18.7	7.09E+03	1.09
PCB-31 24'5-TrCB	19.44		0.8430	0.8423	-0.8	1.32E+07	1.08	1.49	209	7.09E+03	1.05
PCB-28/20 244'/233'-TrCB	19.70	C	0.8542	0.8533	-1.1	1.72E+07	1.07	1.37	296	7.09E+03	1.14
PCB-21/33 234/23'4'-TrCB	19.89	C	0.8612	0.8617	+0.6	7.14E+06	1.07	1.45	116	7.09E+03	1.08
PCB-22 234'-TrCB	20.22		0.8766	0.8760	-0.7	5.02E+06	1.06	1.29	91.5	7.09E+03	1.21
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.38	ND	7.09E+03	1.14
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.43	ND	7.09E+03	1.1
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	7.09E+03	1.22
PCB-35 33'4-TrCB	22.76		0.9860	0.9858	-0.3	2.90E+05	1.12	1.26	5.42	7.09E+03	1.24
PCB-37 344'-TrCB	23.10		1.0008	1.0008	0	3.91E+06	1.07	1.20	76.7	7.09E+03	1.31
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	6.34E+02	0.238
PCB-50/53 22'46/22'56'-TeCB	19.19	C	0.9051	0.9039	-1.4	5.36E+05	0.81	0.64	17.7	7.61E+02	0.236
PCB-45 22'36-TeCB	19.75		0.9304	0.9304	0	5.02E+05	0.77	0.57	18.8	7.61E+02	0.267
PCB-51 22'46'-TeCB	19.84		0.9340	0.9343	+0.4	1.45E+05	0.74	0.64	4.83	7.61E+02	0.238
PCB-46 22'36'-TeCB	20.01		0.9429	0.9427	-0.2	1.93E+05	0.79	0.53	7.76	7.61E+02	0.287
PCB-52 22'55'-TeCB	21.25		1.0010	1.0010	0	5.54E+06	0.80	0.62	192	7.61E+02	0.247
PCB-73 23'5'6-TeCB	21.38	J	1.0069	1.0072	+0.4	3.16E+04	0.80	0.82	0.823	7.61E+02	0.186
PCB-43 22'35-TeCB	21.45		1.0106	1.0105	-0.1	1.29E+05	0.71	0.56	4.89	7.61E+02	0.269
PCB-69/49 23'46/22'45'-TeCB	21.67	C	1.0198	1.0207	+1.2	3.97E+06	0.78	0.77	109	7.61E+02	0.196
PCB-48 22'45-TeCB	21.91		1.0319	1.0321	+0.3	8.07E+05	0.80	0.65	26.3	7.61E+02	0.232
PCB-44/47/65 ...-TeCB	22.10	C	1.0416	1.0409	-0.9	5.41E+06	0.77	0.69	167	7.61E+02	0.22
PCB-59/62/75 ...-TeCB	22.38	C	1.0541	1.0543	+0.3	6.06E+05	0.81	0.87	14.9	7.61E+02	0.175
PCB-42 22'34'-TeCB	22.54		1.0612	1.0616	+0.5	1.31E+06	0.78	0.63	44.4	7.61E+02	0.242
PCB-41 22'34-TeCB	22.85		1.0759	1.0761	+0.3	2.37E+05	0.75	0.55	9.12	7.61E+02	0.274
PCB-71/40 23'4'6/22'33'-TeCB	22.96	C	1.0806	1.0812	+0.8	2.19E+06	0.77	0.67	69.3	7.61E+02	0.226
PCB-64 234'6-TeCB	23.15		1.0899	1.0905	+0.8	2.73E+06	0.80	0.94	61.8	7.61E+02	0.161
PCB-72 23'55'-TeCB	23.90		0.8295	0.8303	+1.1	2.22E+05	0.83	1.11	4.25	2.21E+03	0.395
PCB-68 23'45'-TeCB	24.15		0.8379	0.8388	+1.3	1.39E+05	0.74	1.21	2.46	2.21E+03	0.364
PCB-57 233'5-TeCB	24.50	J EMPC	0.8501	0.8511	+1.5	4.89E+04	0.93	1.09	0.956	2.21E+03	0.404
PCB-58 233'5'-TeCB	24.70	EMPC	0.8568	0.8579	+1.6	5.56E+04	0.66	1.10	1.08	2.21E+03	0.401
PCB-67 23'45-TeCB	24.85		0.8620	0.8630	+1.5	3.83E+05	0.83	1.14	7.17	2.21E+03	0.387
PCB-63 234'5-TeCB	25.06		0.8697	0.8705	+1.2	4.86E+05	0.81	1.20	8.63	2.21E+03	0.367
PCB-61/70/74/76 ...-TeCB	25.35	C	0.8792	0.8805	+2.0	1.96E+07	0.77	1.14	365	2.21E+03	0.386
PCB-66 23'44'-TeCB	25.60		0.8888	0.8893	+0.8	1.20E+07	0.77	1.06	241	2.21E+03	0.414
PCB-55 233'4-TeCB	25.73		0.8932	0.8937	+0.8	1.52E+05	0.81	1.14	2.85	2.21E+03	0.386

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.15		0.9080	0.9083	+0.5	5.02E+06	0.78	1.06	101	2.21E+03	0.414
PCB-60 2344'-TeCB	26.33		0.9144	0.9147	+0.5	2.07E+06	0.77	1.14	38.7	2.21E+03	0.385
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	2.21E+03	0.358
PCB-79 33'45'-TeCB	27.98		0.9718	0.9717	-0.2	1.31E+05	0.83	1.22	2.29	2.21E+03	0.36
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.05	ND	2.21E+03	0.42
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	5.17E+02	0.261
PCB-96 22'366'-PeCB	22.35		1.0141	1.0143	+0.3	2.73E+04	0.67	0.92	1.44	5.17E+02	0.26
PCB-103 22'45'6'-PeCB	24.05		0.8883	0.8892	+1.3	7.47E+04	0.64	0.78	3.3	8.95E+02	0.388
PCB-94 22'356'-PeCB	24.22	EMPC	0.8946	0.8955	+1.3	2.22E+04	0.81	0.68	1.13	8.95E+02	0.447
PCB-95 22'35'6'-PeCB	24.59		0.9082	0.9092	+1.5	3.30E+06	0.62	0.70	163	8.95E+02	0.435
PCB-100/93 22'44'6'/22'356'-PeCB	24.79	C	0.9158	0.9166	+1.2	5.16E+04	0.61	0.73	2.44	8.95E+02	0.416
PCB-102 22'456'-PeCB	24.90		0.9198	0.9206	+1.2	1.26E+05	0.61	0.86	5.06	8.95E+02	0.353
PCB-98 22'34'6'-PeCB	24.96	J	0.9222	0.9227	+0.7	1.94E+04	0.58	0.67	1.01	8.95E+02	0.455
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.66	ND	8.95E+02	0.457
PCB-91 22'34'6'-PeCB	25.31		0.9352	0.9360	+1.2	6.59E+05	0.63	0.82	27.7	8.95E+02	0.369
PCB-84 22'33'6'-PeCB	25.48		0.9416	0.9421	+0.8	9.49E+05	0.63	0.63	51.6	8.95E+02	0.478
PCB-89 22'346'-PeCB	25.89		0.9567	0.9572	+0.8	4.55E+04	0.57	0.66	2.38	8.95E+02	0.461
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		0.99	ND	8.95E+02	0.306
PCB-92 22'355'-PeCB	26.58		0.9825	0.9826	+0.2	9.26E+05	0.58	0.70	45.7	8.95E+02	0.434
PCB-113/90/101 ...-PeCB	27.07	C	0.9999	1.0008	+1.5	5.06E+06	0.61	0.82	213	8.95E+02	0.37
PCB-83 22'33'5'-PeCB	27.45		1.0150	1.0148	-0.3	2.43E+05	0.58	0.60	14.1	8.95E+02	0.509
PCB-99 22'44'5'-PeCB	27.56		1.0190	1.0189	-0.2	3.15E+06	0.61	0.72	151	8.95E+02	0.421
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		0.94	ND	8.95E+02	0.321
PCB-108/119/86/97/125...-PeCB	28.00	C	1.0347	1.0353	+1.0	3.30E+06	0.62	0.84	135	8.95E+02	0.359
PCB-117 234'56'-PeCB	28.49		1.0539	1.0535	-0.7	1.08E+05	0.59	0.86	4.3	8.95E+02	0.352
PCB-116/85 23456/22'344'-PeCB	28.57	C	1.0566	1.0562	-0.7	8.69E+05	0.64	0.88	34	8.95E+02	0.344
PCB-110 233'4'6'-PeCB	28.71		1.0615	1.0613	-0.3	7.11E+06	0.62	0.87	282	8.95E+02	0.348
PCB-115 2344'6'-PeCB	28.80		1.0644	1.0650	+1.0	7.79E+04	0.59	1.00	2.68	8.95E+02	0.303
PCB-82 22'33'4'-PeCB	28.96		1.0711	1.0707	-0.7	4.54E+05	0.64	0.62	25.1	8.95E+02	0.487
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		0.99	ND	8.95E+02	0.305
PCB-120 23'455'-PeCB	29.72		1.0994	1.0990	-0.7	5.59E+04	0.53	0.98	1.96	8.95E+02	0.309
PCB-107/124 ...-PeCB	30.67	C	0.9909	0.9911	+0.4	1.85E+05	0.61	0.92	6.9	8.95E+02	0.328
PCB-109 233'46'-PeCB	30.87		0.9976	0.9977	+0.2	5.48E+05	0.63	0.90	20.9	8.95E+02	0.335
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.92	ND	8.95E+02	0.329
PCB-122 233'4'5'-PeCB	31.52	EMPC	1.0095	1.0095	0	6.73E+04	0.73	0.94	2.69	8.95E+02	0.354
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.99	ND	8.95E+02	0.322
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	5.69E+02	0.199
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	5.69E+02	0.212
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.01	ND	5.69E+02	0.208
PCB-136 22'33'66'-HxCB	27.45		1.0216	1.0216	0	4.69E+05	1.31	0.92	21.1	5.69E+02	0.229
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	5.69E+02	0.22
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.73	ND	5.69E+02	0.286
PCB-151/135 ...-HxCB	29.51	C	1.0986	1.0982	-0.7	1.16E+06	1.27	0.72	67.1	5.69E+02	0.293
PCB-154 22'44'56'-HxCB	NotFnd		1.1067	-		0.00E+00		0.81	ND	5.69E+02	0.26
PCB-144 22'345'6'-HxCB	29.97	EMPC	1.1158	1.1157	-0.2	1.12E+05	1.53	0.74	6.26	5.69E+02	0.285

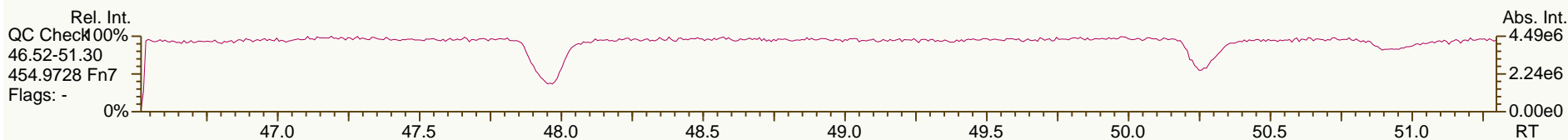
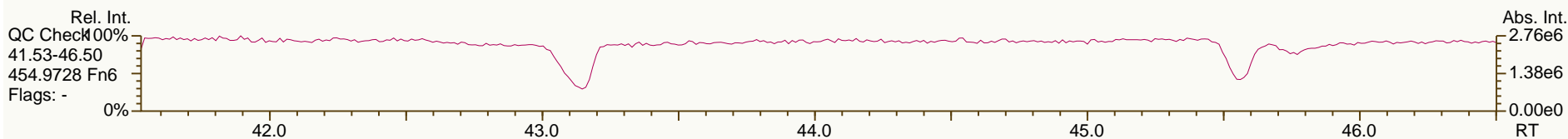
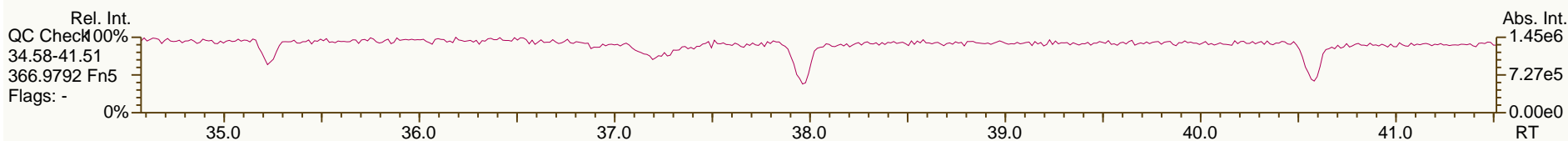
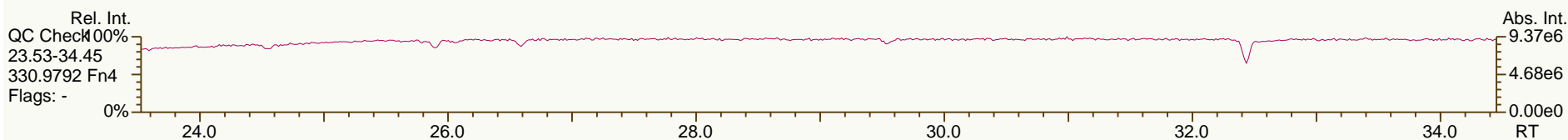
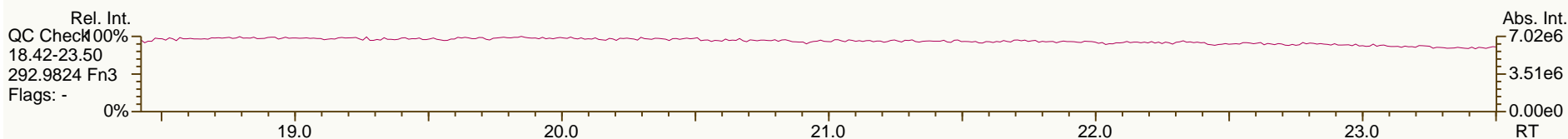
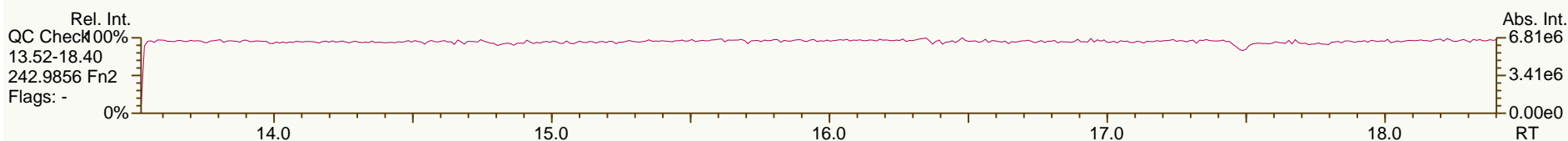
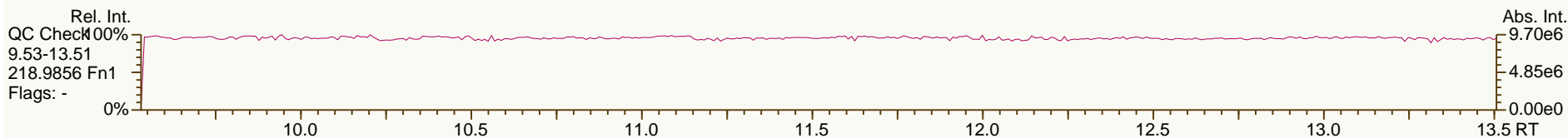
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.27	C	1.1269	1.1265	-0.7	2.91E+06	1.22	0.75	160	5.69E+02	0.28
PCB-134 22'33'56"-HxCB	NotFnd		1.1326	-		0.00E+00		0.59	ND	5.69E+02	0.353
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00		0.72	ND	5.69E+02	0.293
PCB-139/140 ...-HxCB	NotFnd	C	1.1458	-		0.00E+00		0.77	ND	5.69E+02	0.272
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00		0.65	ND	5.69E+02	0.321
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.68	ND	5.69E+02	0.307
PCB-132 22'33'46"-HxCB	31.31		1.1655	1.1653	-0.4	9.45E+05	1.23	0.67	58.6	5.69E+02	0.315
PCB-133 22'33'55"-HxCB	31.77		1.1826	1.1823	-0.6	8.02E+04	1.27	0.69	4.82	5.69E+02	0.305
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.85	ND	5.69E+02	0.247
PCB-146 22'34'55"-HxCB	32.31		0.9550	0.9549	-0.2	8.27E+05	1.34	0.76	45.1	5.69E+02	0.277
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.93	ND	5.69E+02	0.226
PCB-153/168 ...-HxCB	32.83	C	0.9709	0.9702	-1.4	4.27E+06	1.26	0.89	198	5.69E+02	0.236
PCB-141 22'34'55"-HxCB	32.98		0.9746	0.9746	0	4.67E+05	1.25	0.73	26.4	5.69E+02	0.287
PCB-130 22'33'45"-HxCB	33.32		0.9847	0.9846	-0.2	2.35E+05	1.19	0.63	15.4	5.69E+02	0.332
PCB-137 22'34'4'5"-HxCB	33.51		0.9904	0.9902	-0.4	1.43E+05	1.19	0.81	7.27	5.69E+02	0.258
PCB-164 233'4'5'6"-HxCB	33.60		0.9930	0.9930	0	3.20E+05	1.33	0.89	14.8	5.69E+02	0.235
PCB-163/138/129 ...-HxCB	33.86	C	1.0012	1.0008	-0.8	4.33E+06	1.25	0.78	228	5.69E+02	0.267
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.87	ND	5.69E+02	0.241
PCB-158 233'44'6"-HxCB	34.19		1.0106	1.0105	-0.2	4.60E+05	1.27	1.00	18.9	5.69E+02	0.209
PCB-128/166 ...-HxCB	34.91	C	0.9593	0.9593	0	7.08E+05	1.23	0.97	28.8	1.08E+03	0.454
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.08	ND	1.08E+03	0.407
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.14	ND	1.08E+03	0.387
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	4.09E+02	0.201
PCB-179 22'33'566"-HpCB	31.95	EMPC	1.0089	1.0089	0	3.55E+05	1.20	1.06	17.8	4.09E+02	0.202
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.04	ND	4.09E+02	0.206
PCB-176 22'33'466"-HpCB	32.70		1.0324	1.0324	0	1.01E+05	1.14	1.13	4.73	4.09E+02	0.189
PCB-186 22'34'566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.10	ND	4.09E+02	0.195
PCB-178 22'33'55'6"-HpCB	34.26	EMPC	1.0816	1.0816	0	1.55E+05	1.32	0.78	10.6	4.09E+02	0.274
PCB-175 22'33'45'6"-HpCB	34.79		1.0985	1.0984	-0.2	3.82E+04	0.98	0.86	2.35	9.46E+02	0.573
PCB-187 22'34'55'6"-HpCB	35.02		1.1057	1.1058	+0.2	1.28E+06	1.05	0.89	76.1	9.46E+02	0.555
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.92	ND	9.46E+02	0.539
PCB-183 22'34'4'5'6"-HpCB	35.54		1.1219	1.1221	+0.4	4.81E+05	1.11	0.92	27.7	9.46E+02	0.537
PCB-185 22'34'55'6"-HpCB	35.62		1.1241	1.1246	+1.1	4.33E+04	0.93	0.88	2.6	9.46E+02	0.561
PCB-174 22'33'456"-HpCB	35.71		1.1276	1.1277	+0.2	6.74E+05	0.98	0.78	46.1	9.46E+02	0.637
PCB-177 22'33'45'6"-HpCB	36.08		1.1393	1.1393	0	4.52E+05	1.02	0.74	32.4	9.46E+02	0.669
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.85	ND	9.46E+02	0.585
PCB-171/173 ...-HpCB	36.62	C	1.1556	1.1561	+1.1	1.92E+05	1.00	0.77	13.4	9.46E+02	0.647
PCB-172 22'33'455"-HpCB	38.00		0.9003	0.9004	+0.2	9.04E+04	0.94	0.51	4.81	9.46E+02	0.551
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.66	ND	9.46E+02	0.426
PCB-180/193 ...-HpCB	38.54	C	0.9127	0.9132	+1.2	1.88E+06	1.05	0.84	60.4	9.46E+02	0.333
PCB-191 233'44'5'6"-HpCB	38.84		0.9203	0.9202	-0.2	3.84E+04	1.14	0.67	1.55	9.46E+02	0.417
PCB-170 22'33'44'5"-HpCB	39.59		0.9380	0.9379	-0.2	6.00E+05	1.09	0.70	23.3	9.46E+02	0.402
PCB-190 233'44'56"-HpCB	40.03		0.9486	0.9486	0	1.59E+05	0.98	0.66	6.52	9.46E+02	0.423
PCB-202 22'33'55'66"-OoCB	36.20		1.0006	1.0005	-0.2	1.49E+05	0.87	0.83	8.88	7.39E+02	0.47
PCB-201 22'33'45'66"-OoCB	36.98		1.0221	1.0220	-0.2	7.77E+04	0.97	0.94	4.1	7.39E+02	0.415

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	7.39E+02	0.43
PCB-197 22'33'44'66'-OcCB	37.74		1.0431	1.0431	0	2.23E+04	0.92	1.00	1.1	7.39E+02	0.387
PCB-200 22'33'4566'-OcCB	37.81		1.0451	1.0450	-0.2	6.15E+04	0.96	0.88	3.46	7.39E+02	0.443
PCB-198/199 ...-OcCB	40.20	C	1.1102	1.1109	+1.7	5.61E+05	0.82	0.58	47.6	7.39E+02	0.666
PCB-196 22'33'44'56'-OcCB	40.75		1.1260	1.1261	+0.2	2.10E+05	0.94	0.60	17.3	7.39E+02	0.649
PCB-203 22'344'55'6-OcCB	40.92		1.1306	1.1309	+0.7	3.56E+05	0.86	0.63	27.8	7.39E+02	0.614
PCB-195 22'33'44'56-OcCB	42.01		0.9469	0.9468	-0.3	1.60E+05	0.95	0.74	9.39	8.89E+02	0.576
PCB-194 22'33'44'55'-OcCB	44.00		0.9915	0.9915	0	5.36E+05	0.97	0.82	28.1	8.89E+02	0.515
PCB-205 233'44'55'6-OcCB	44.39	J	1.0004	1.0004	0	2.36E+04	0.89	1.09	0.934	8.89E+02	0.388
PCB-208 22'33'455'66'-NoCB	41.83		1.0005	1.0005	0	1.32E+05	0.81	0.98	6.8	1.05E+03	0.701
PCB-207 22'33'44'566'-NoCB	42.60		1.0192	1.0191	-0.3	5.77E+04	0.73	1.01	2.89	1.05E+03	0.68
PCB-206 22'33'44'55'6-NoCB	45.86		1.0004	1.0004	0	3.51E+05	0.79	0.93	24.8	1.05E+03	0.837

AP Lab ID: A4371_9893_PCB_010-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

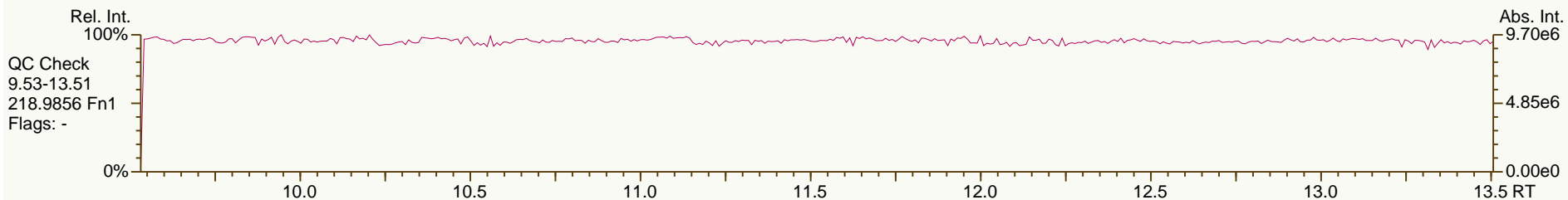
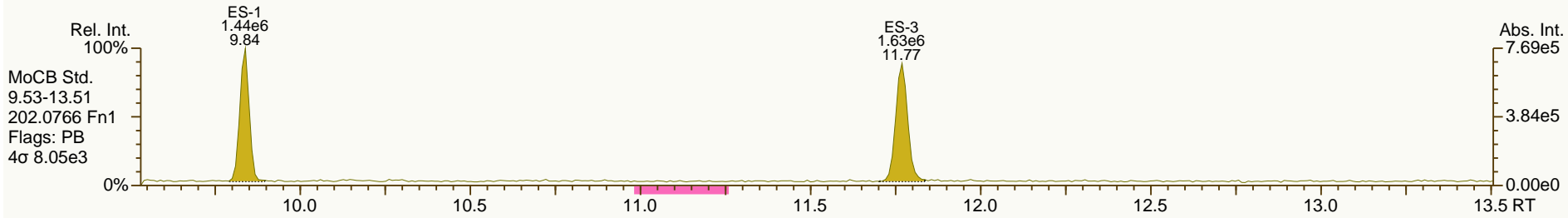
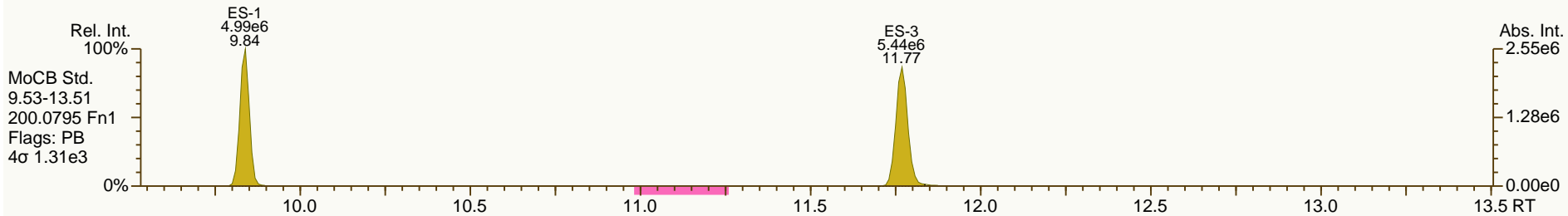
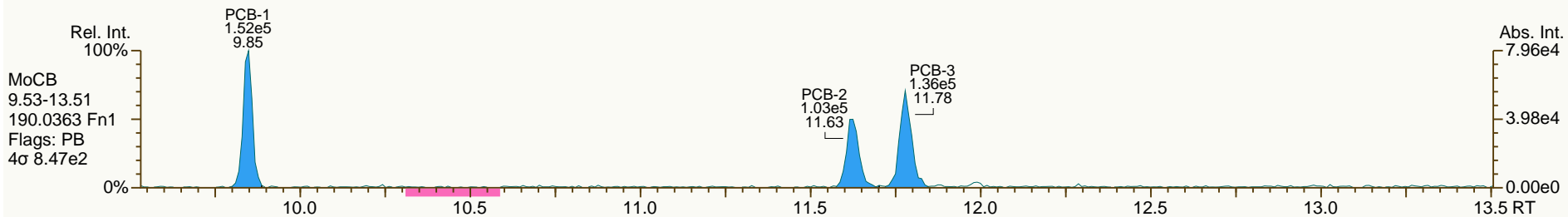
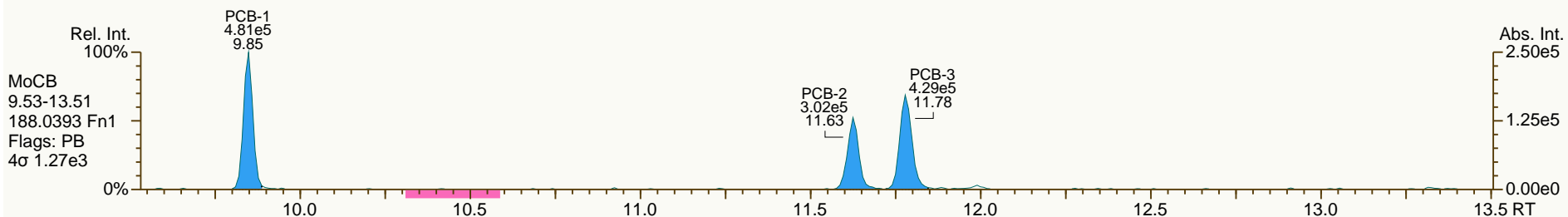
Acq: 06-Jul-2012 01:47:39
User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

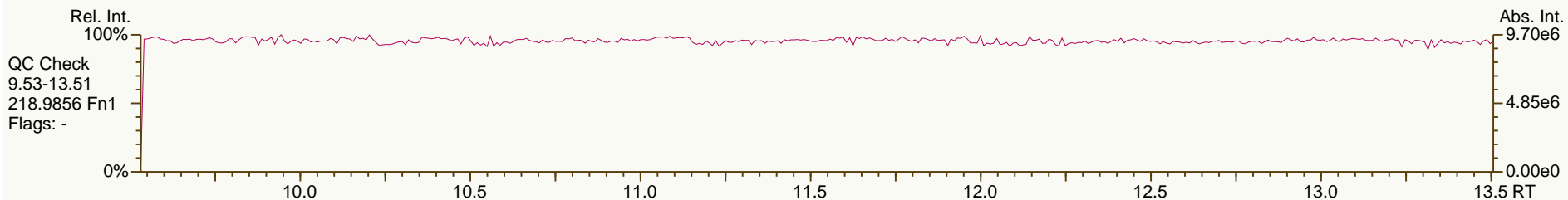
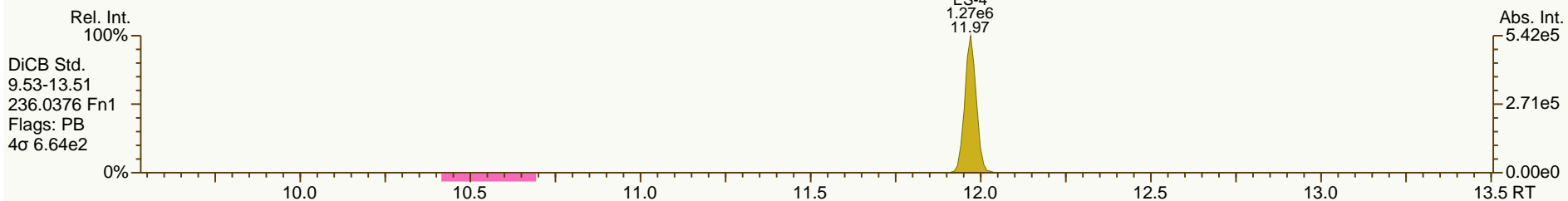
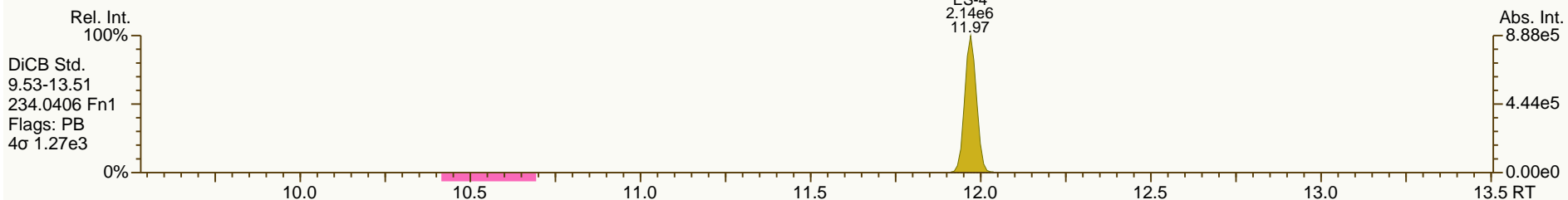
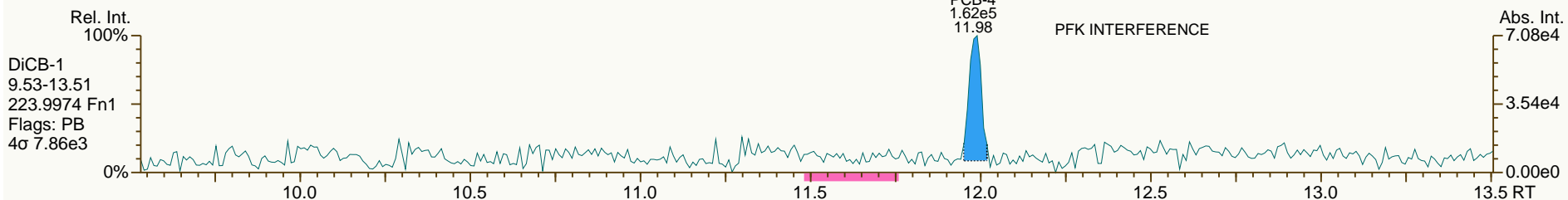
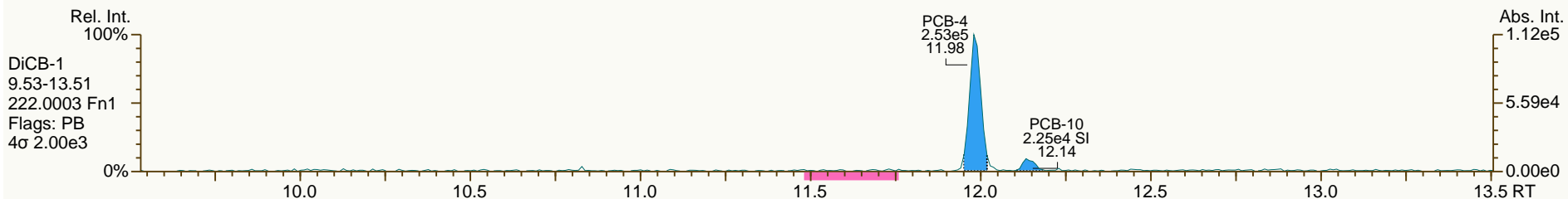
Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

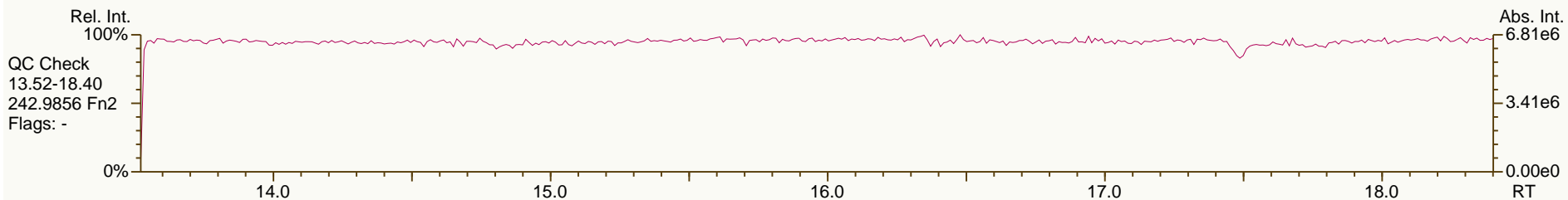
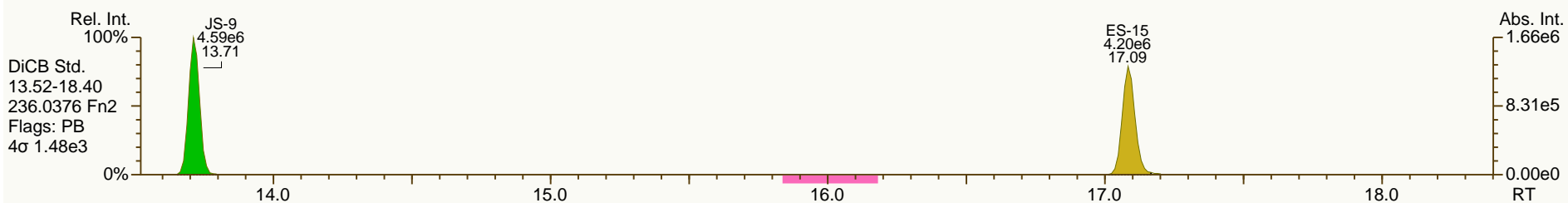
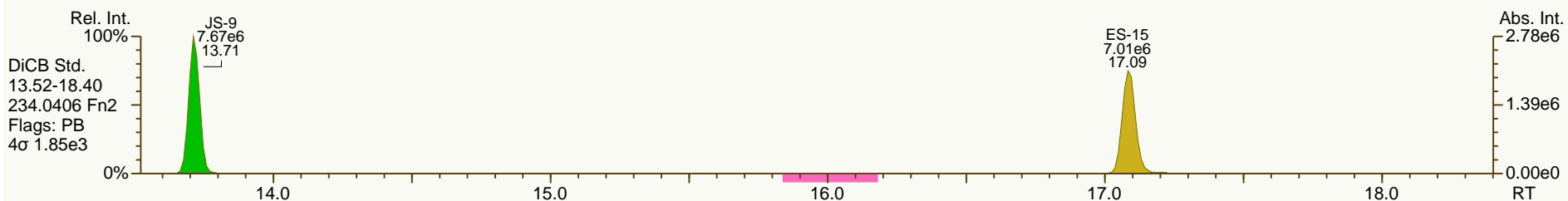
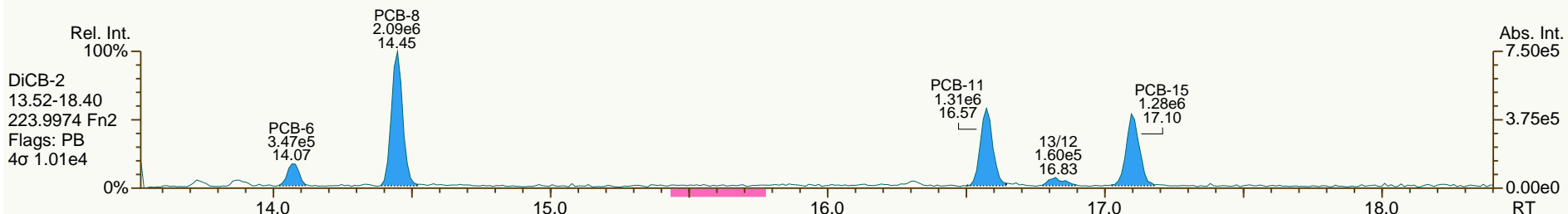
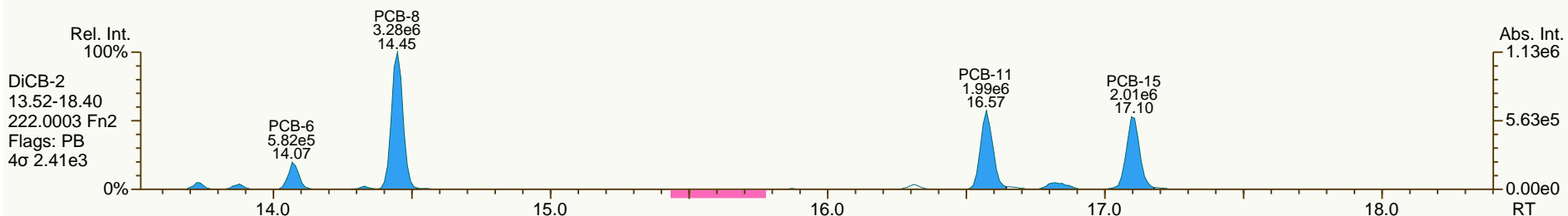
Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

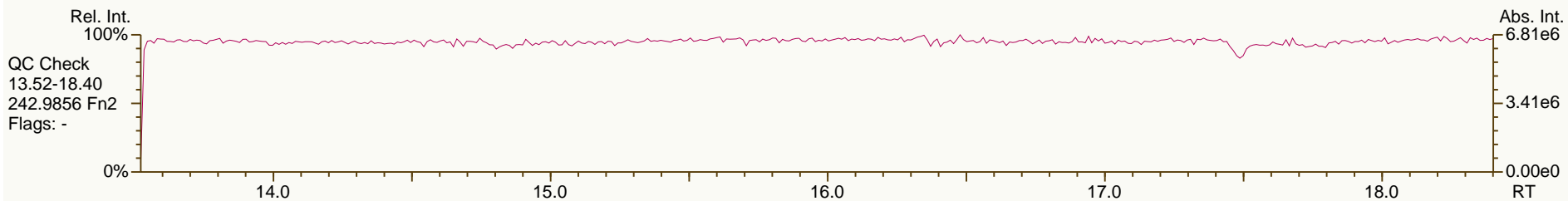
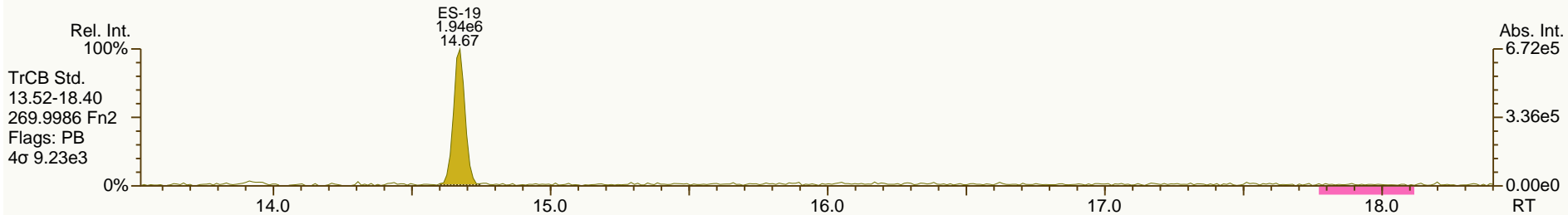
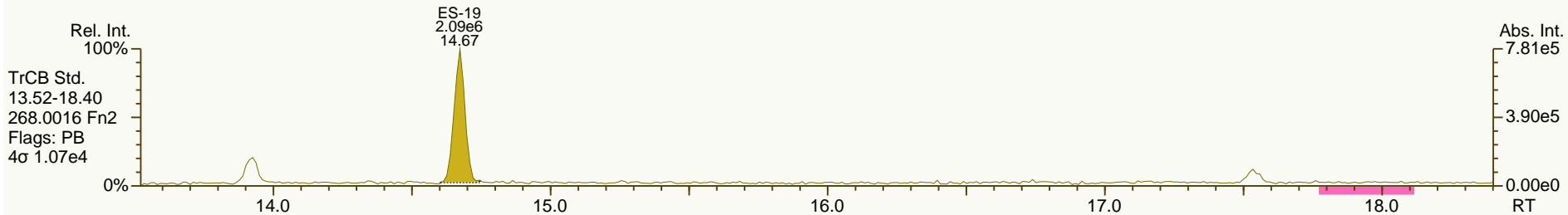
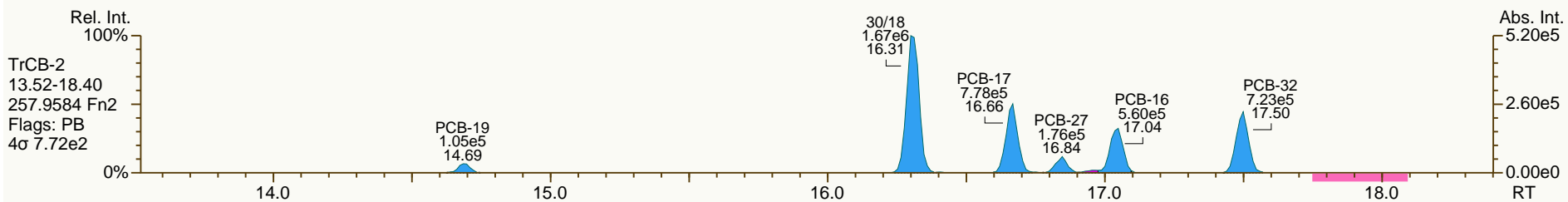
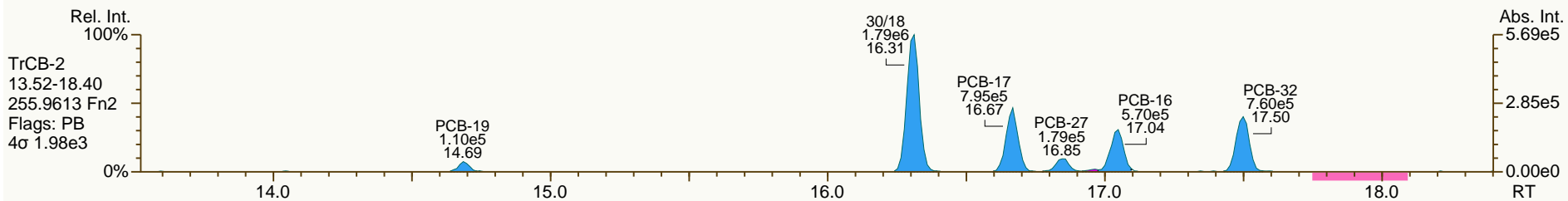
Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

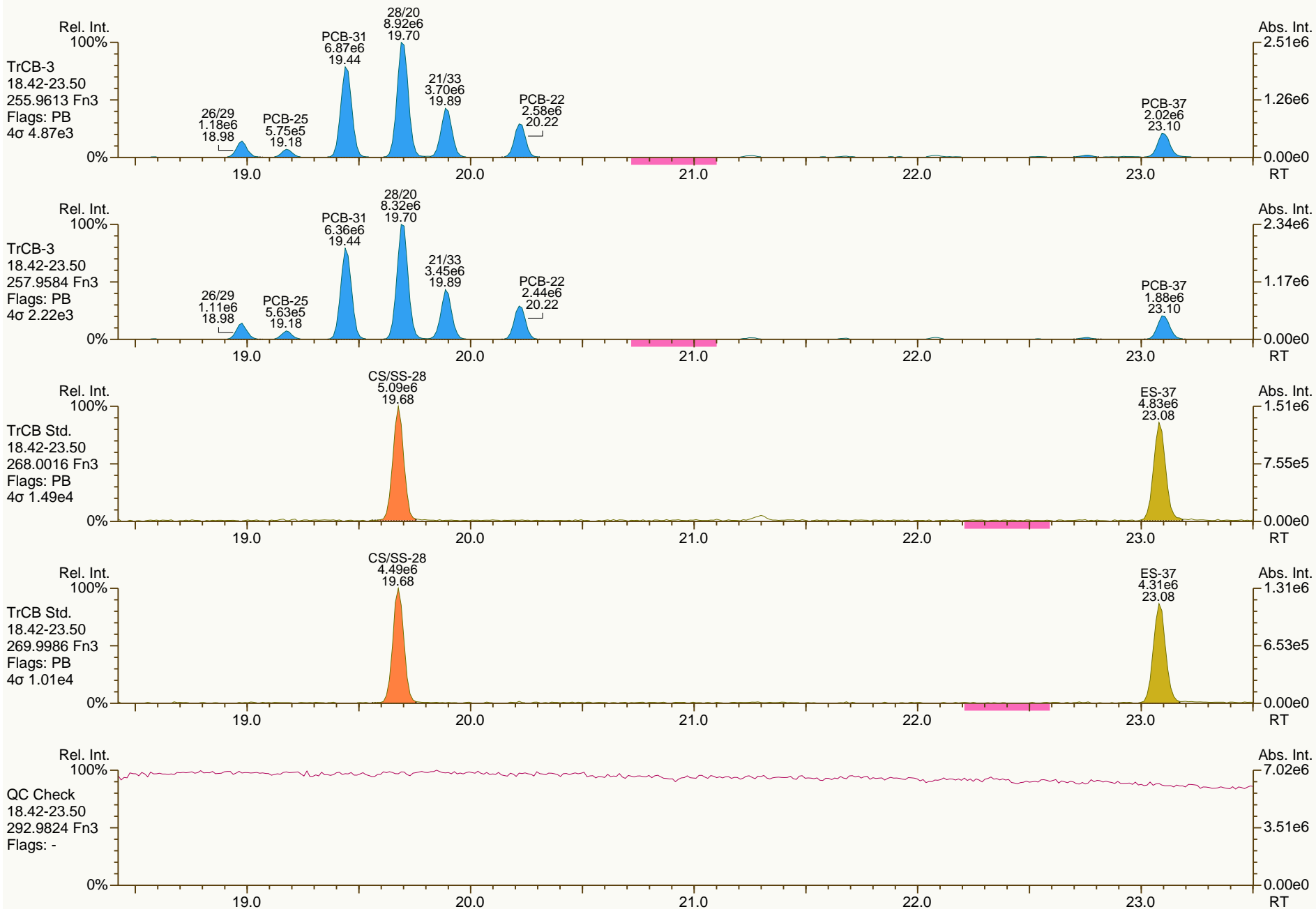
Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

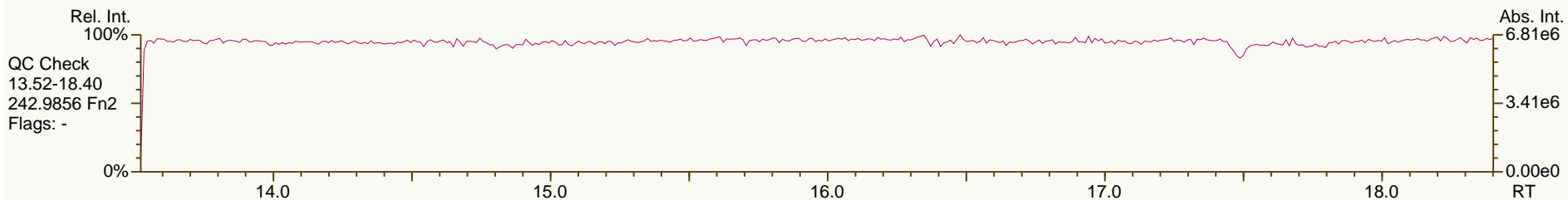
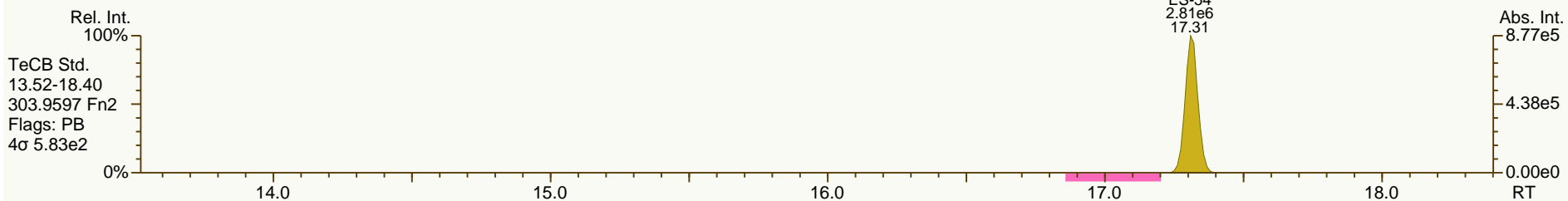
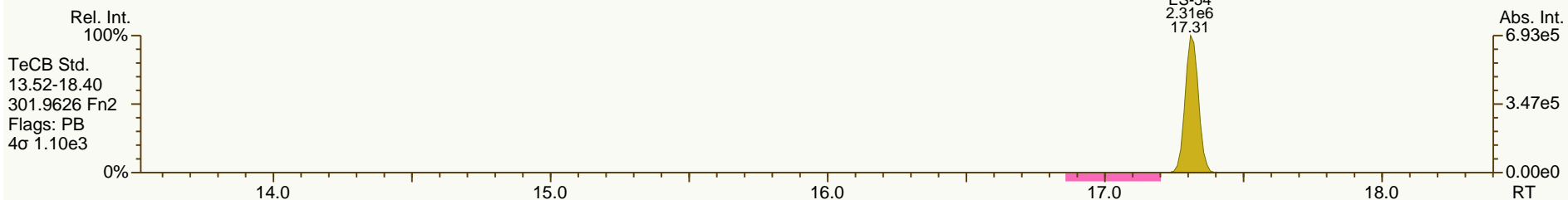
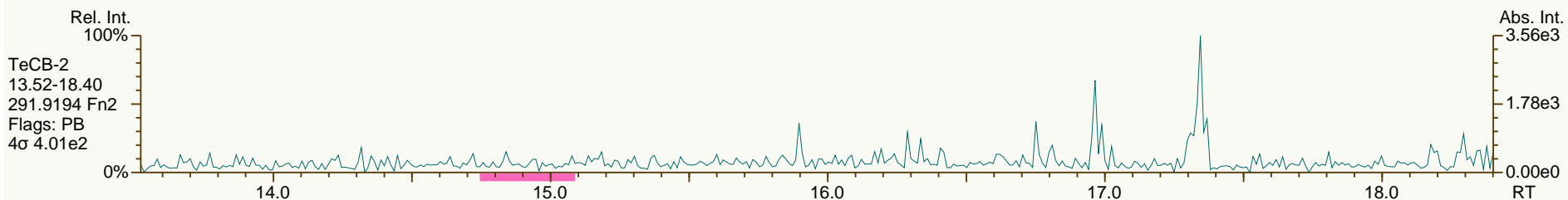
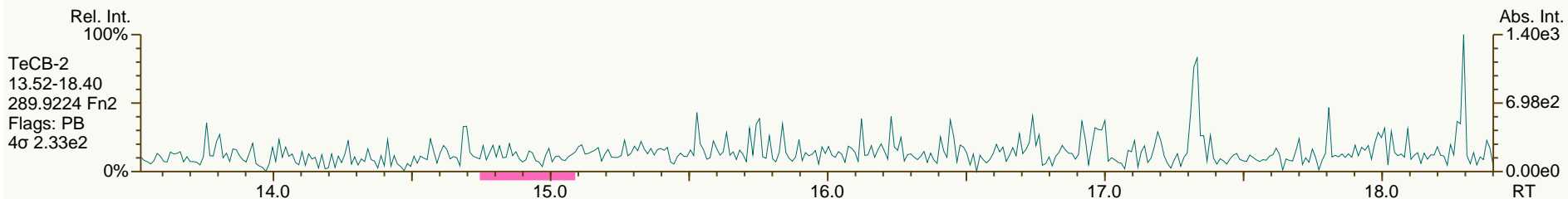
Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

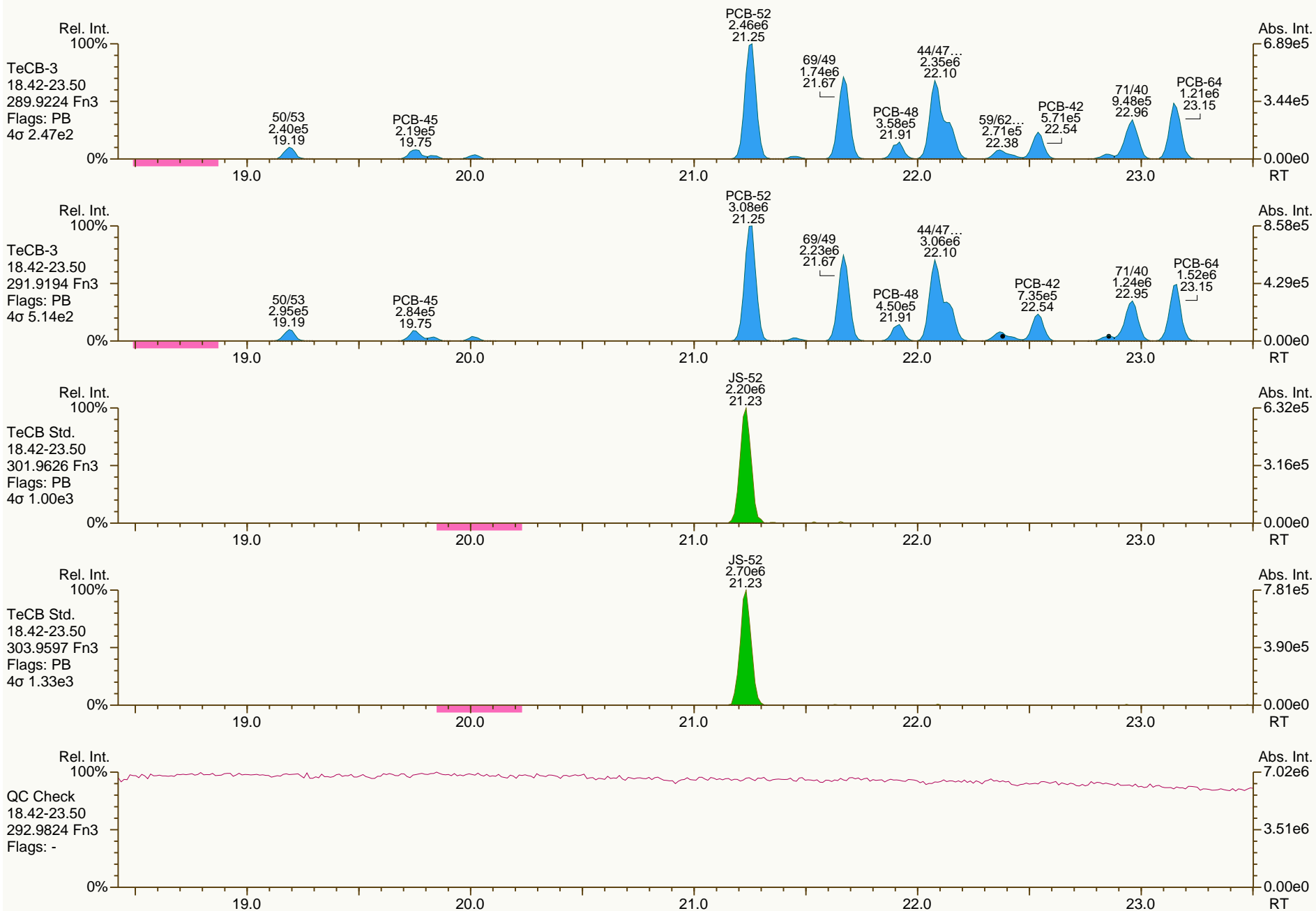
Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

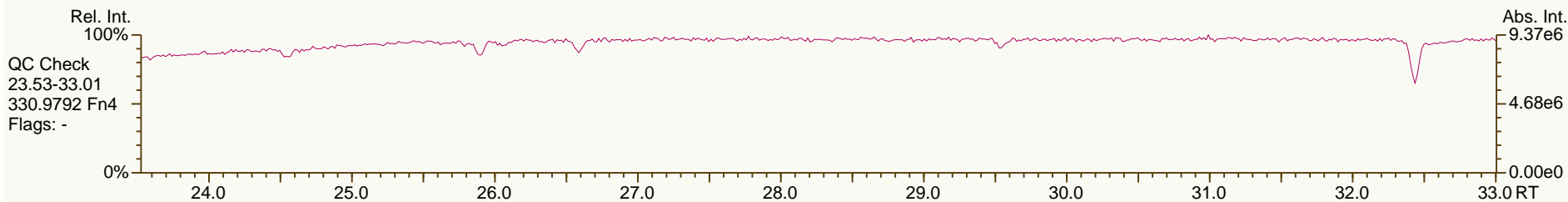
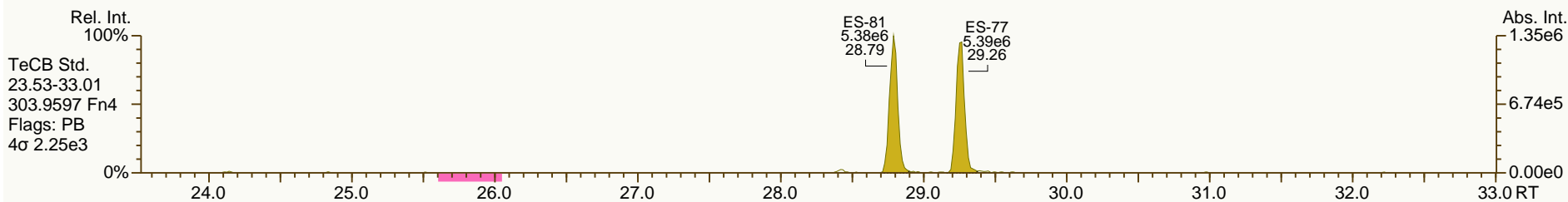
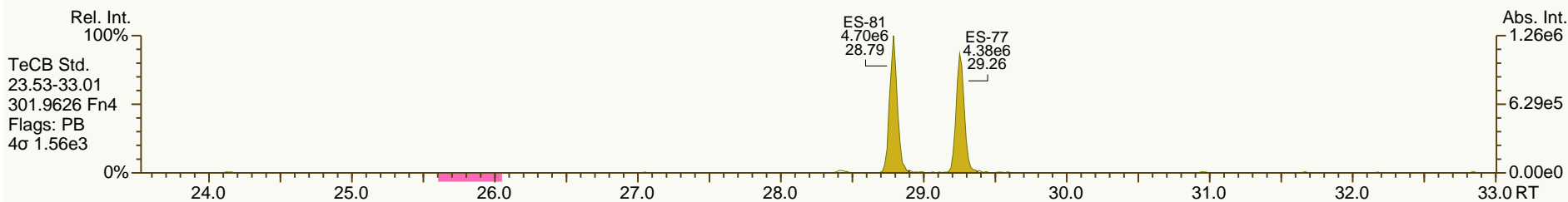
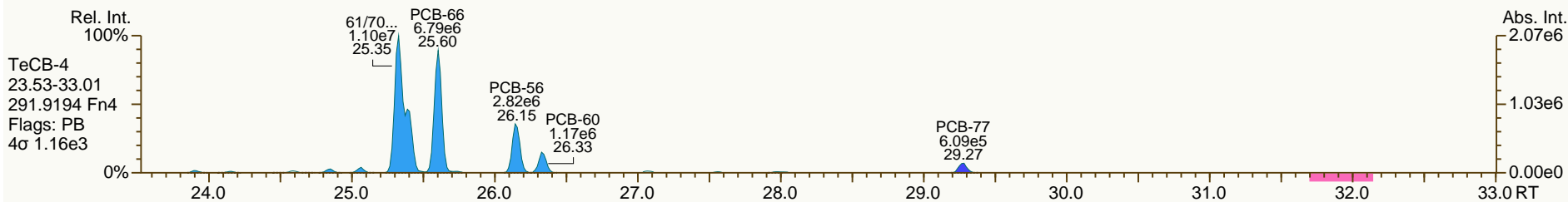
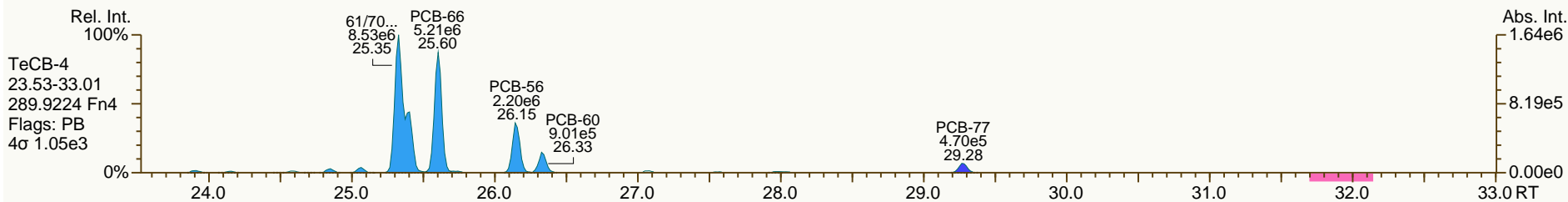
Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

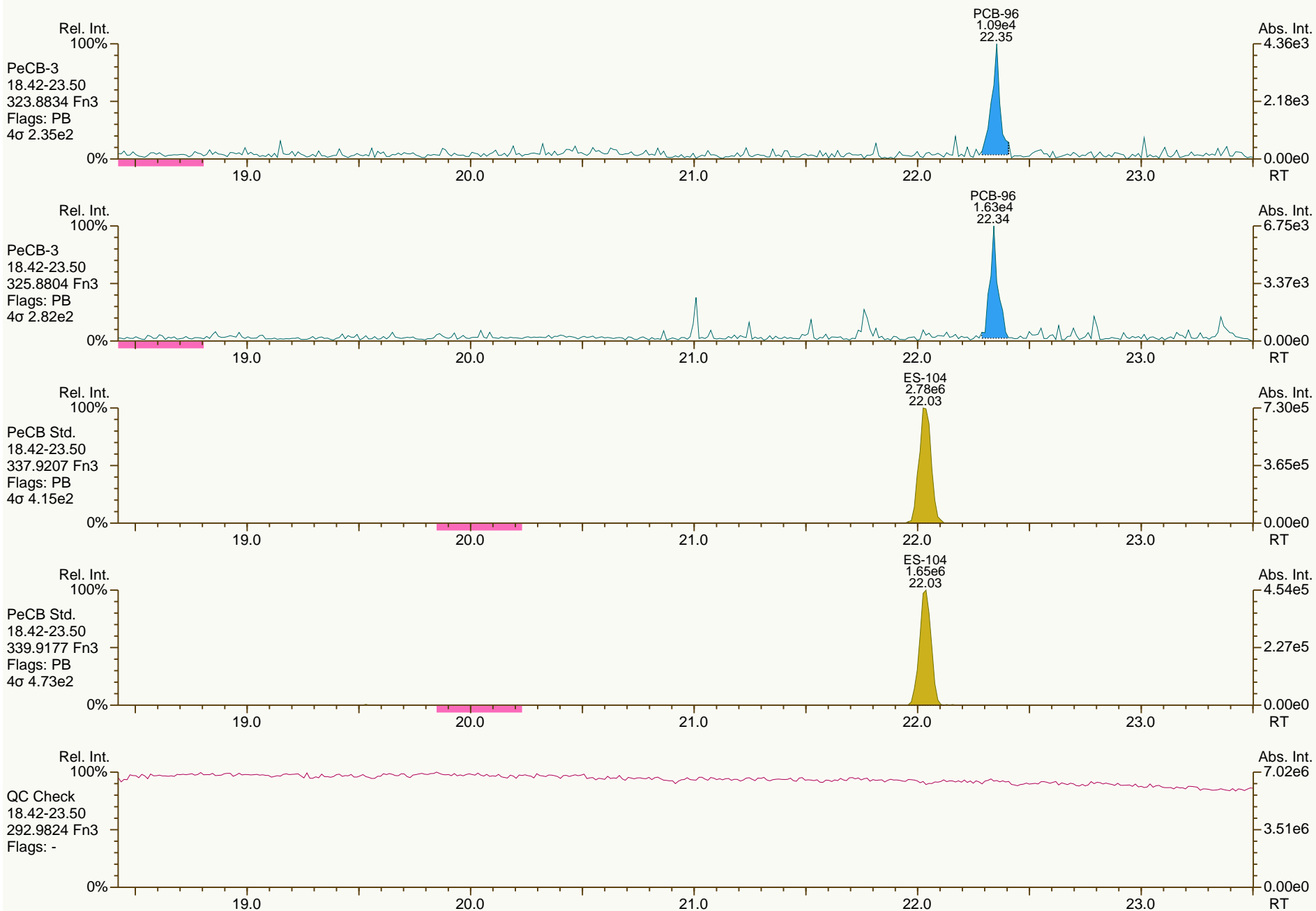
Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

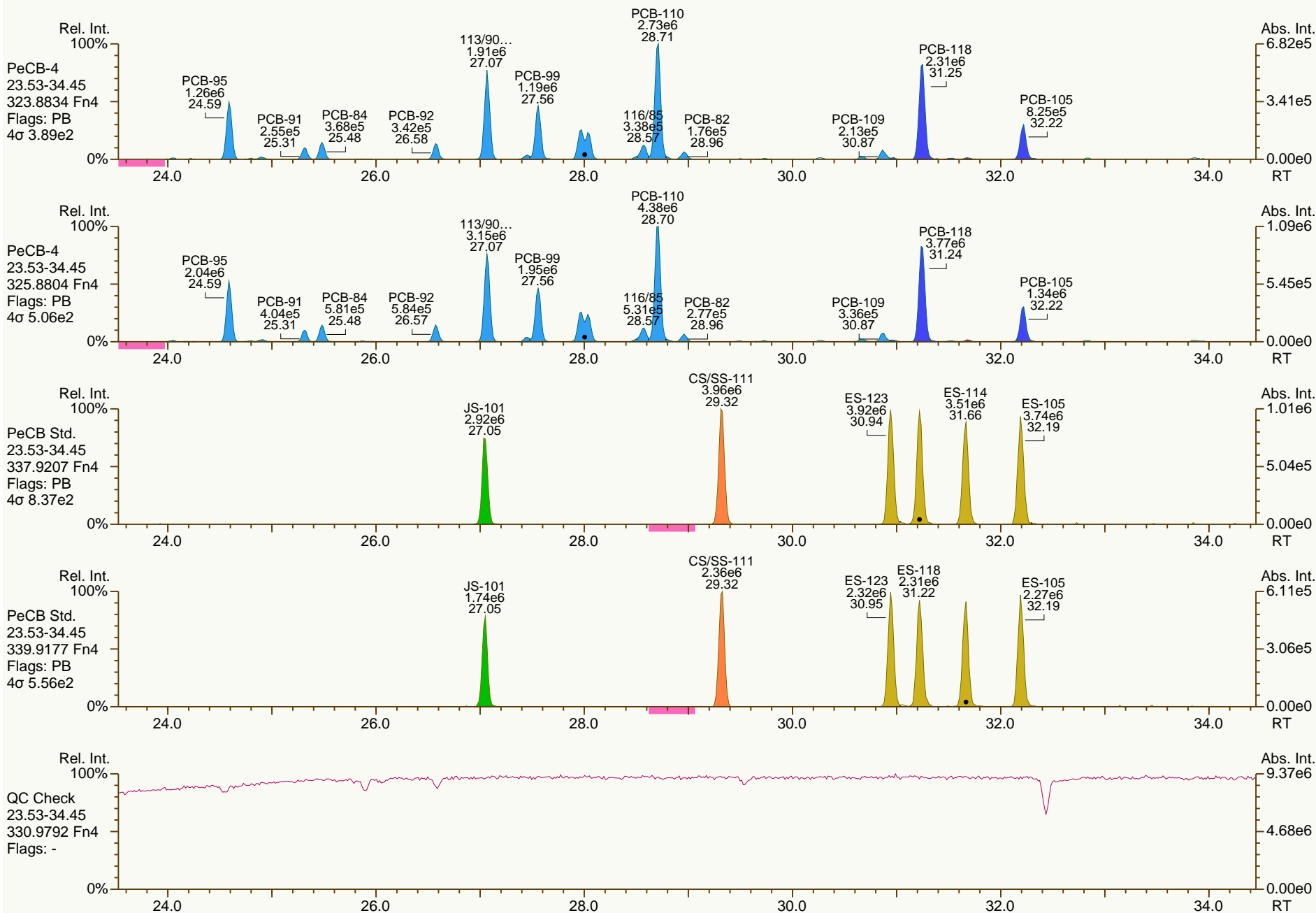
Acq: 06-Jul-2012 01:47:39
User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

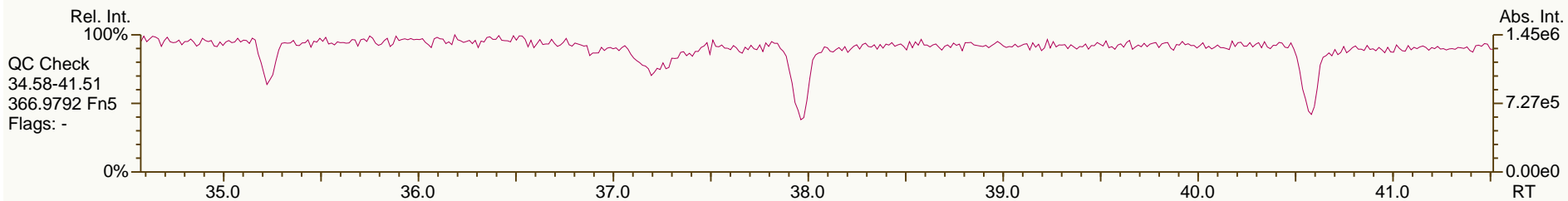
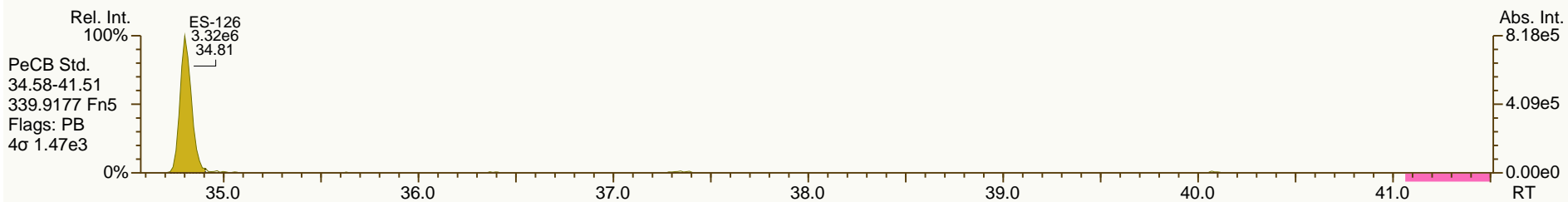
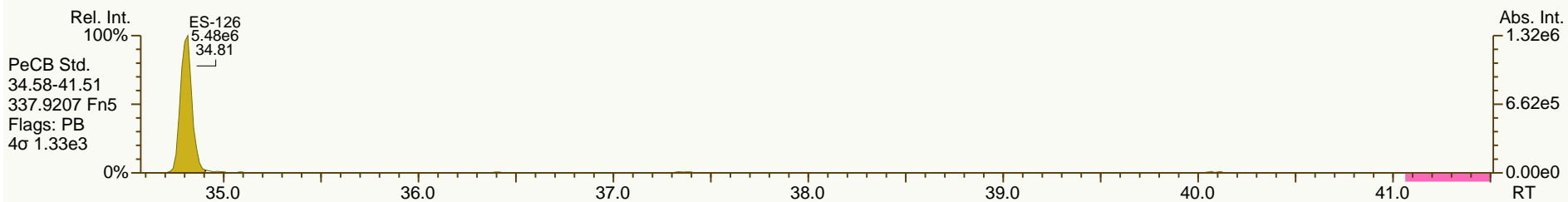
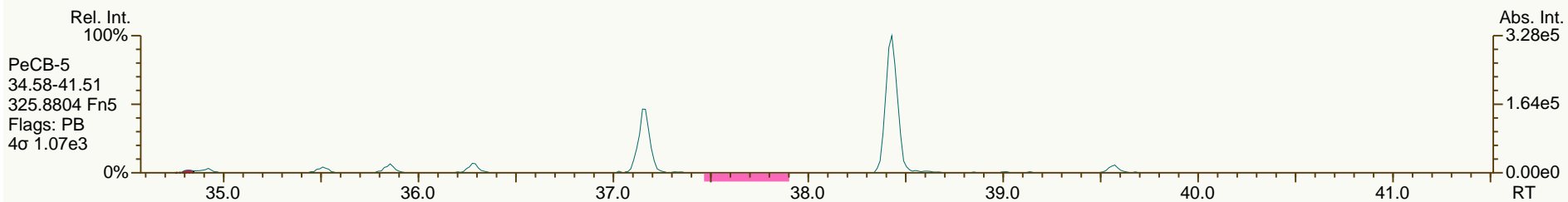
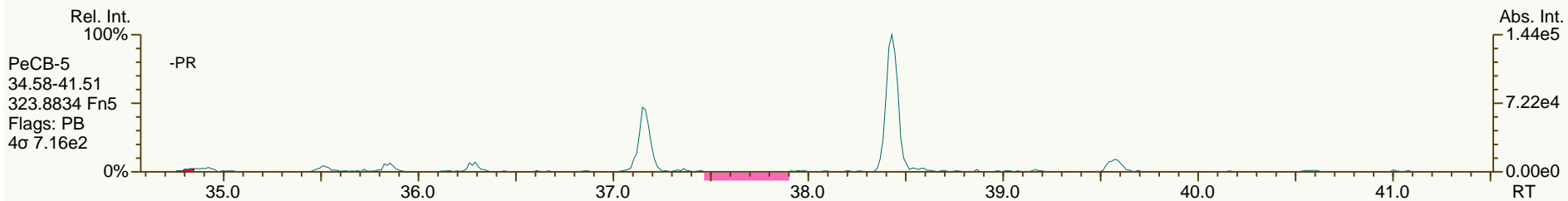
Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

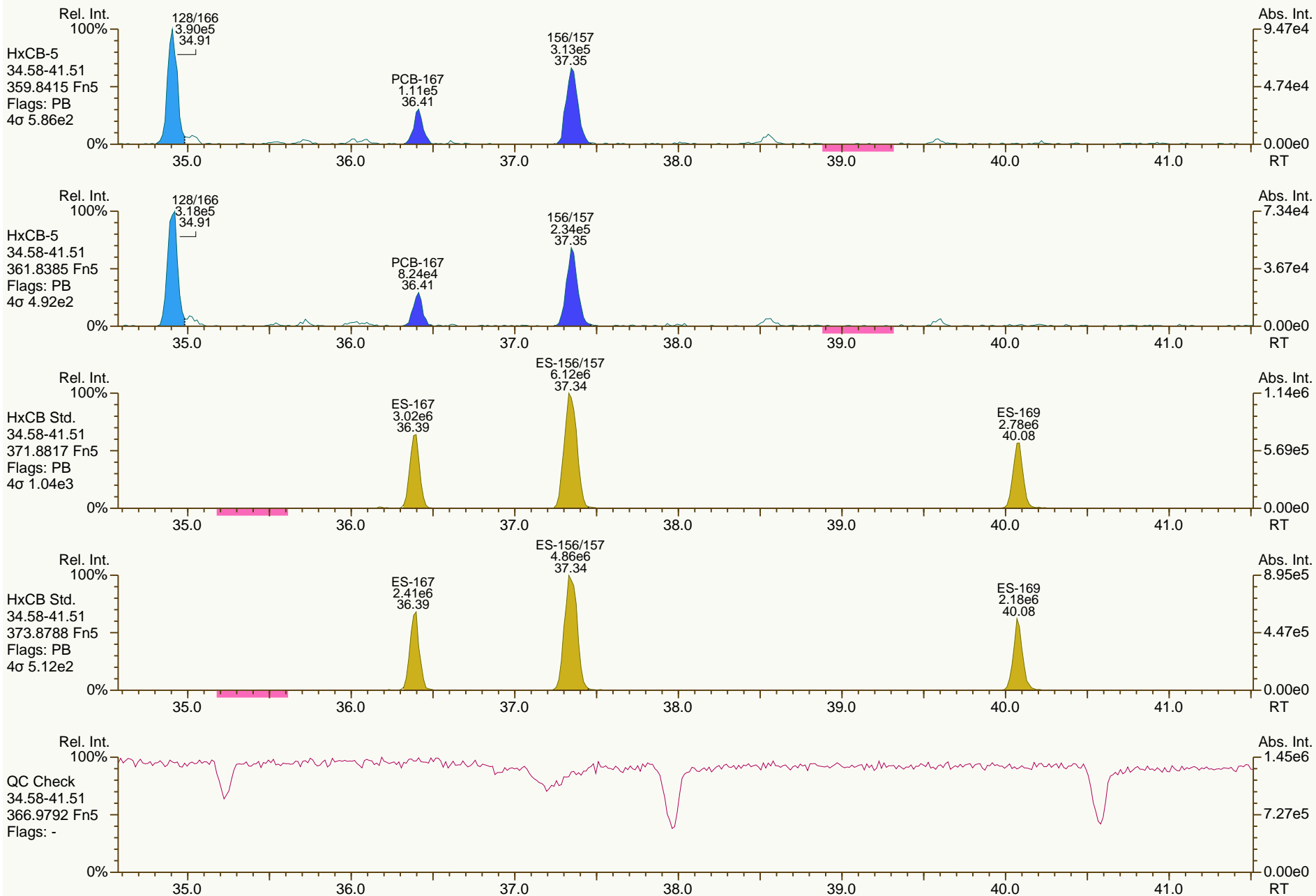
Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

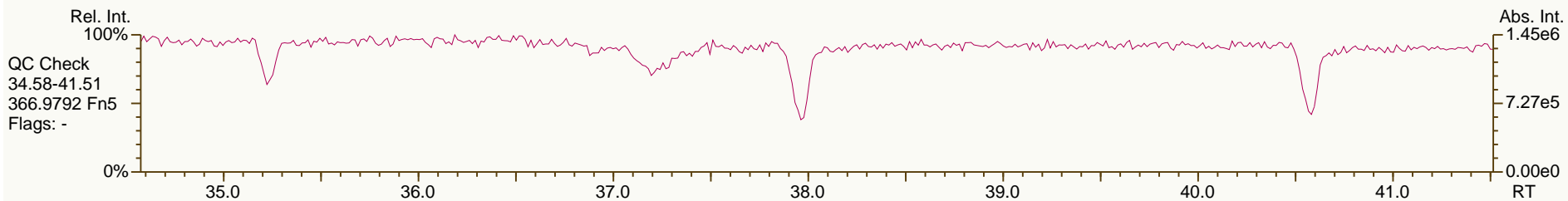
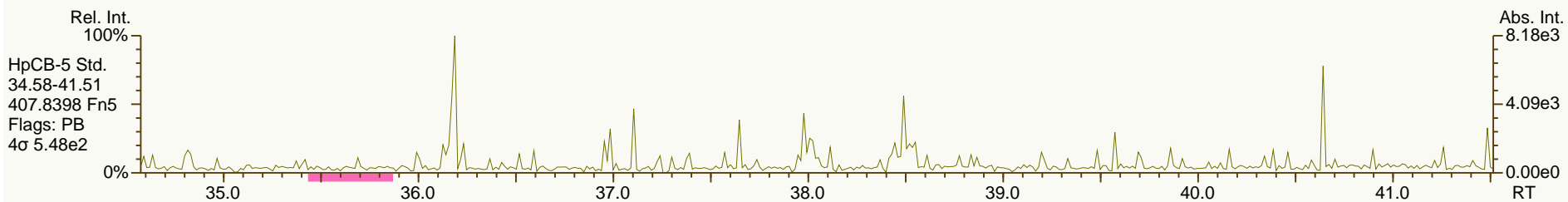
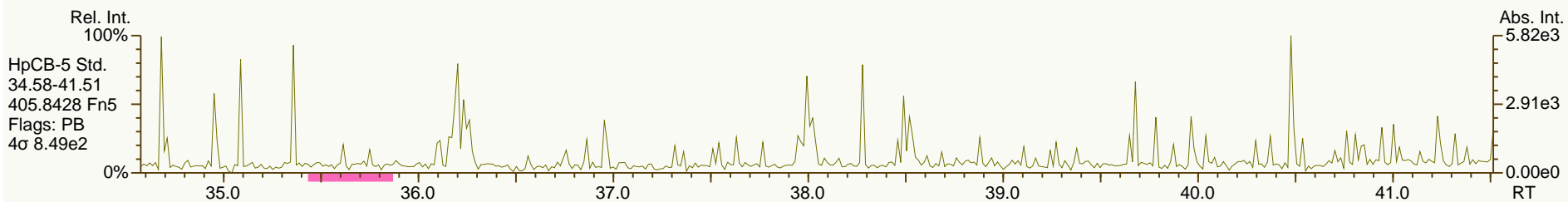
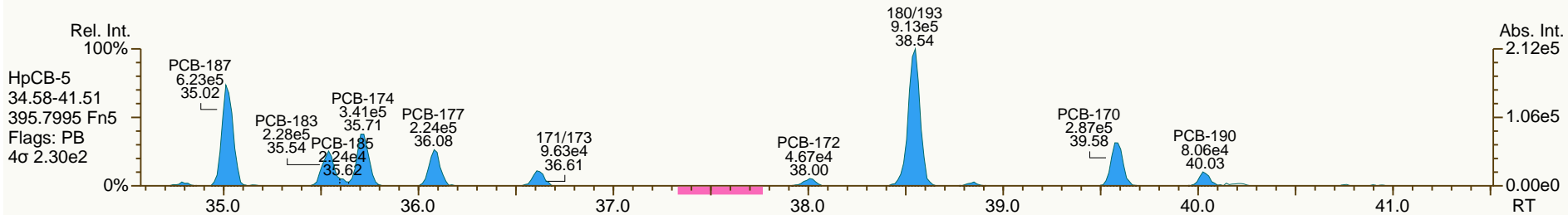
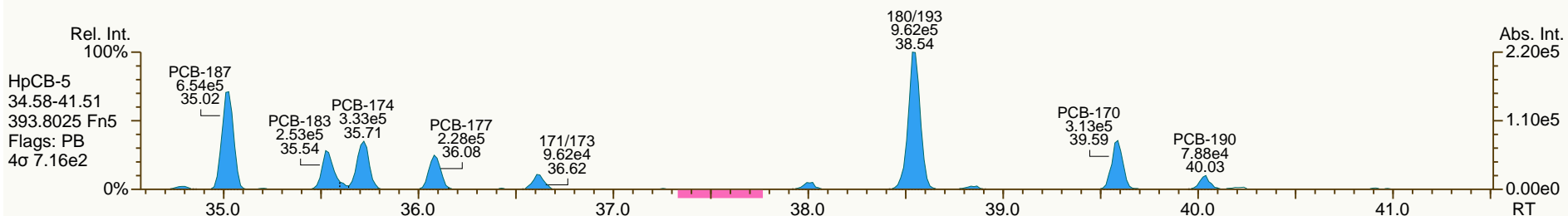
Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

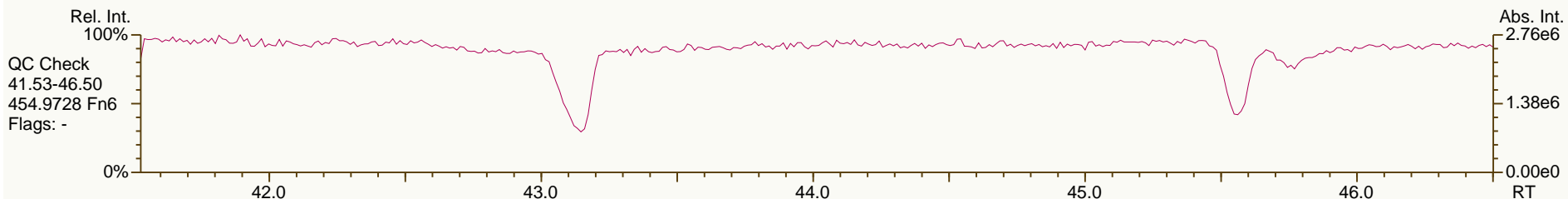
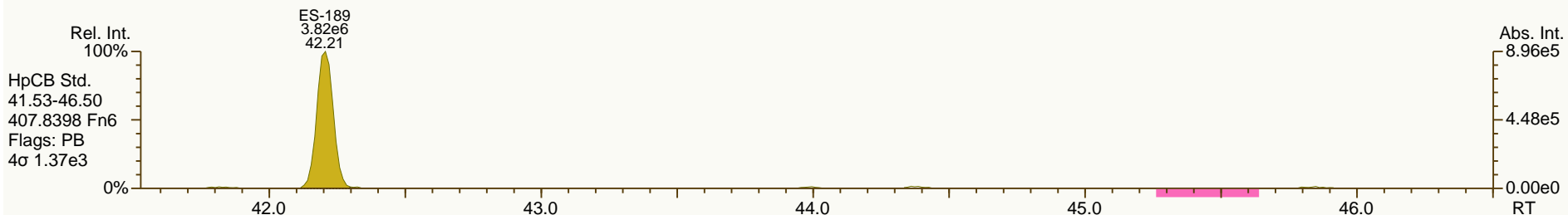
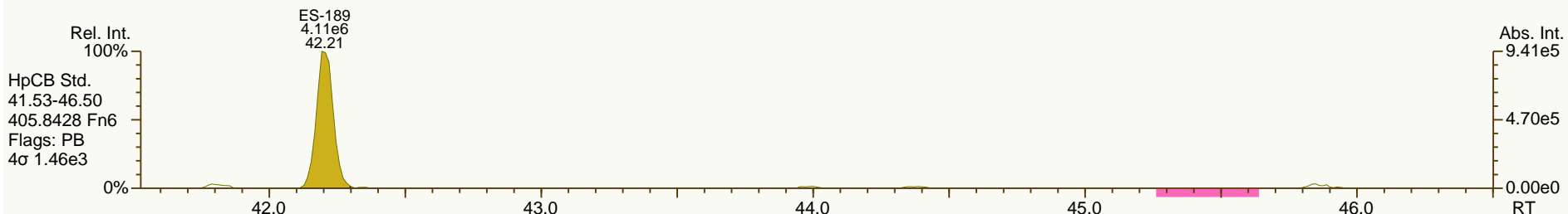
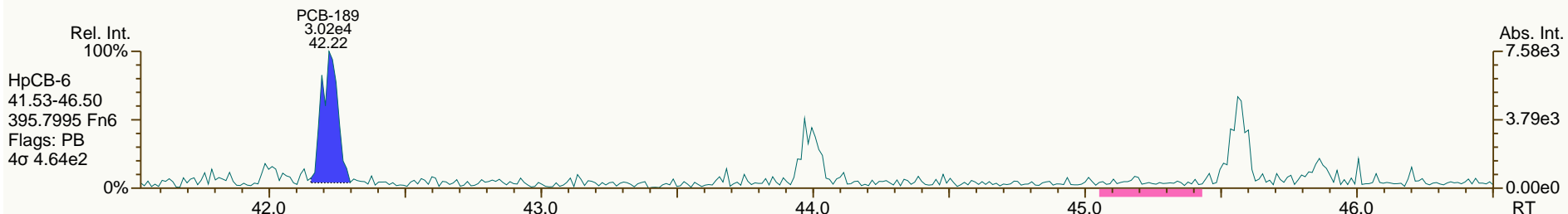
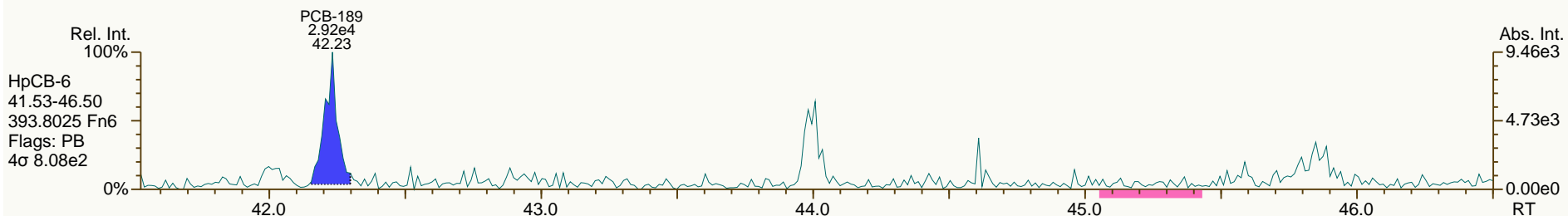
Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

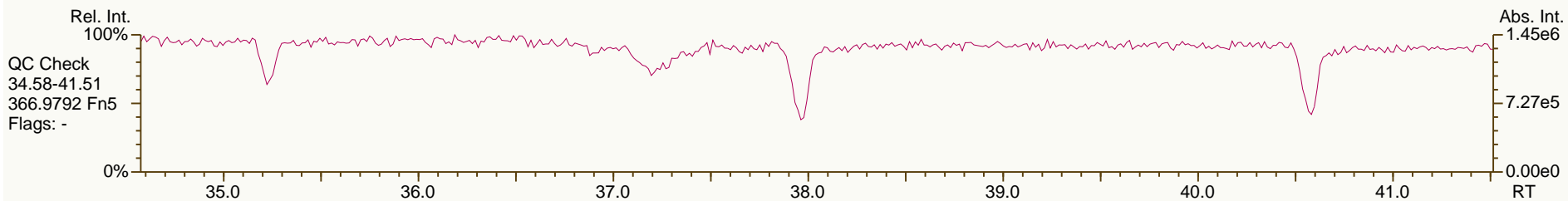
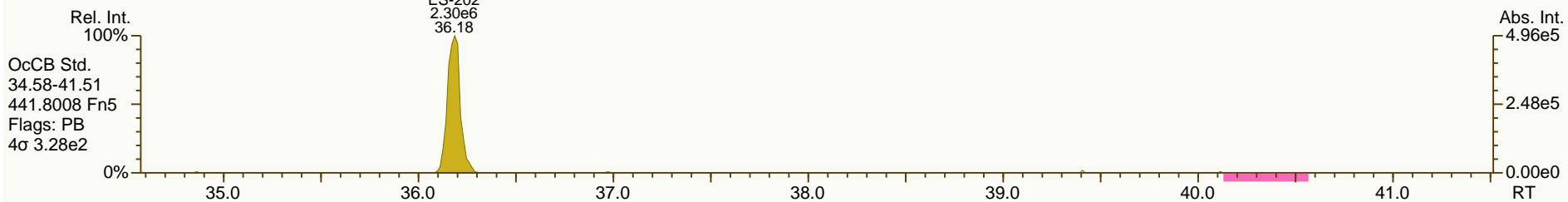
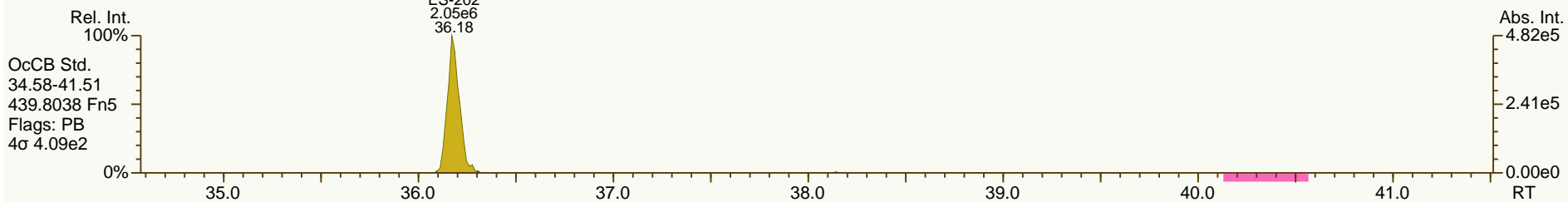
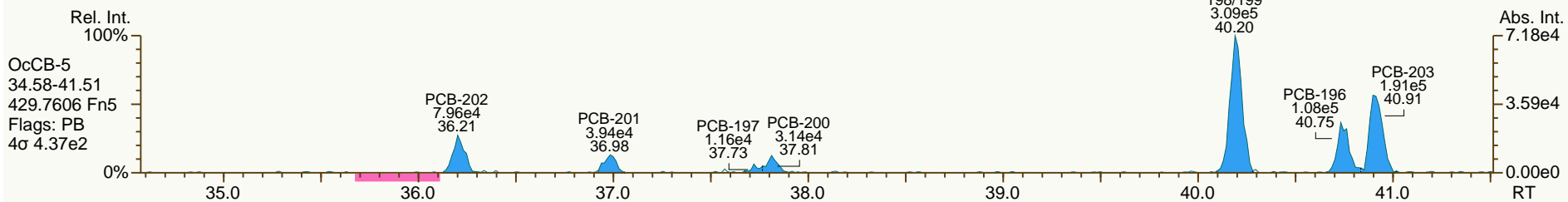
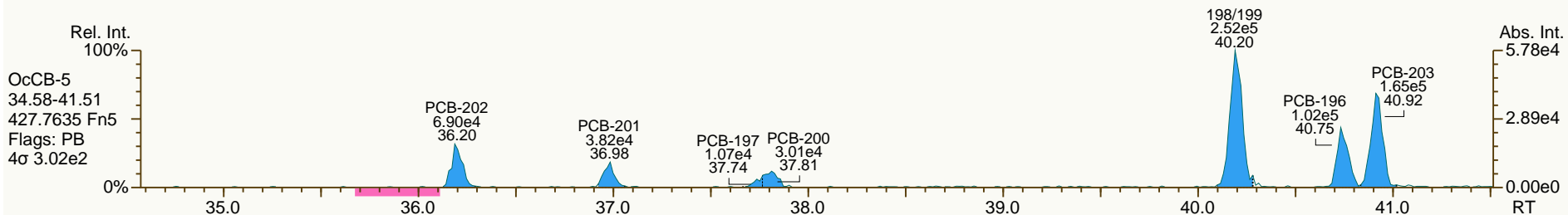
Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

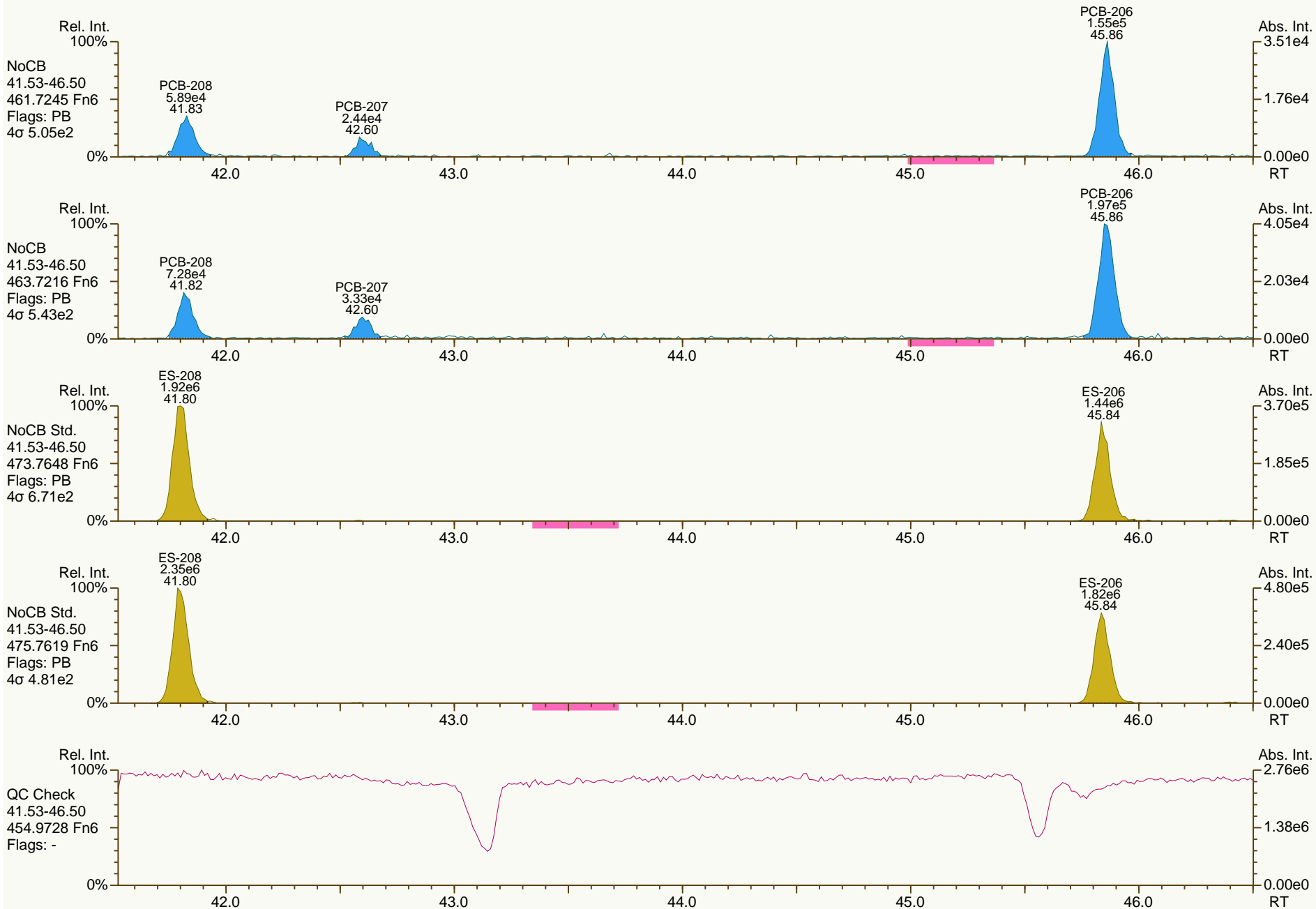
Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

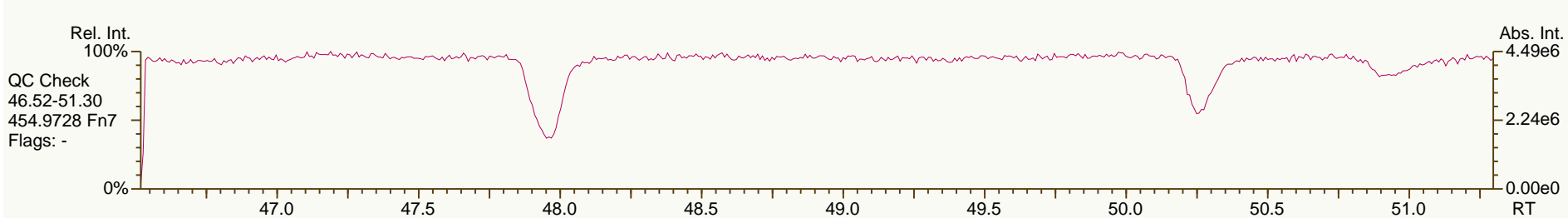
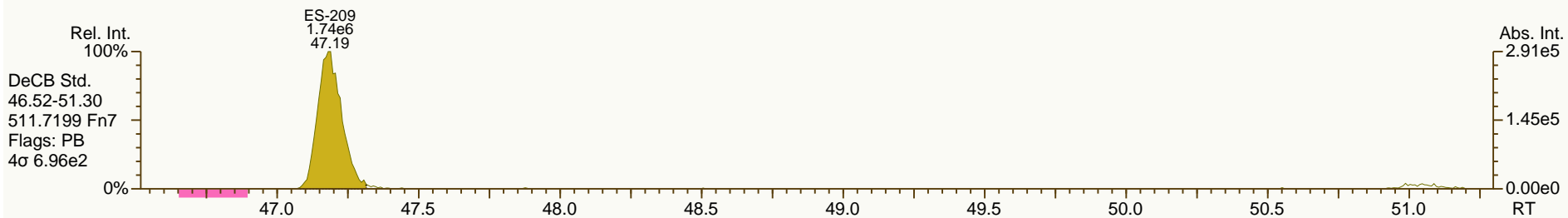
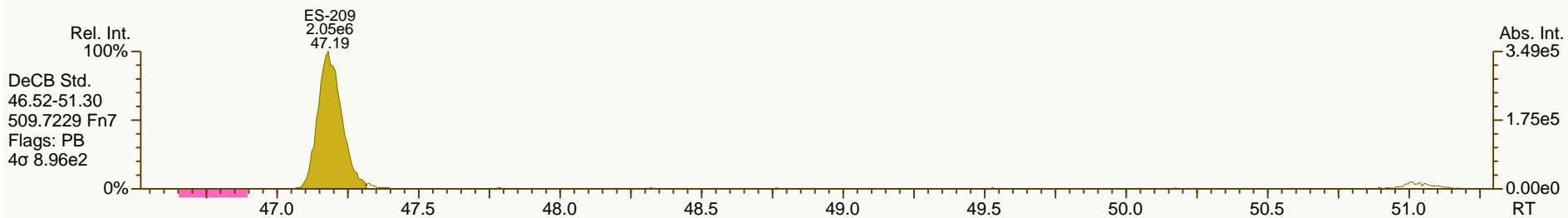
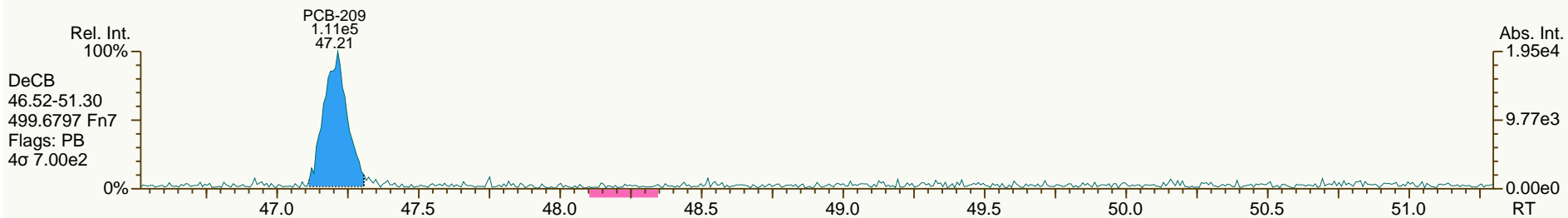
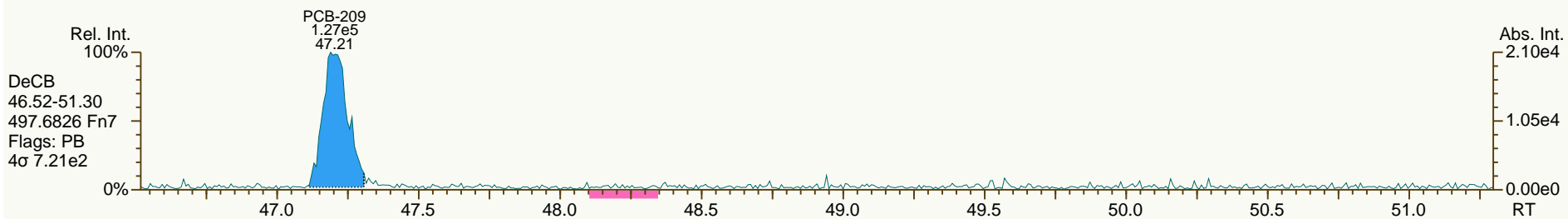
Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

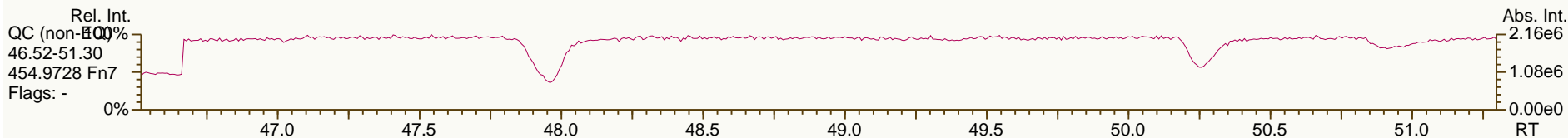
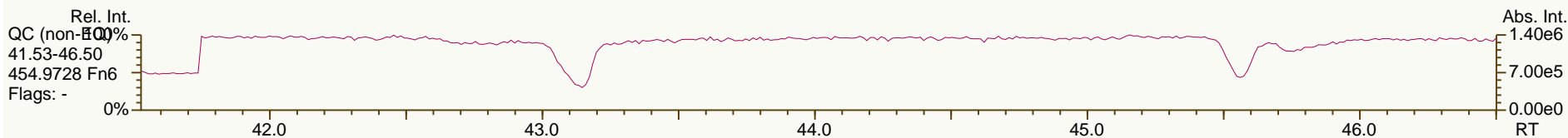
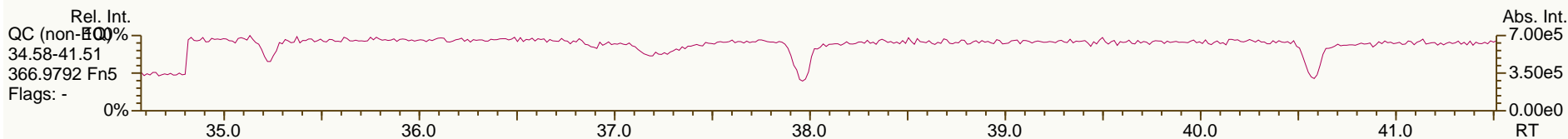
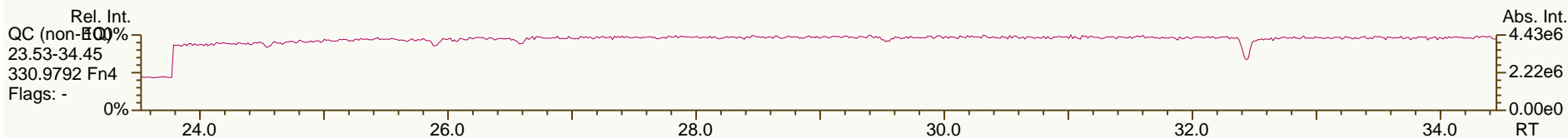
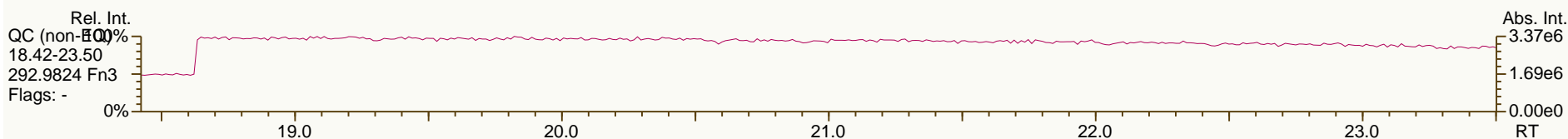
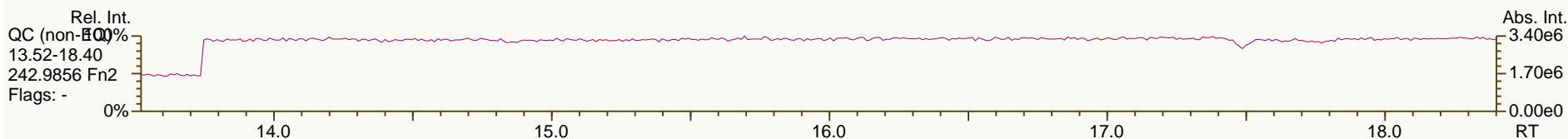
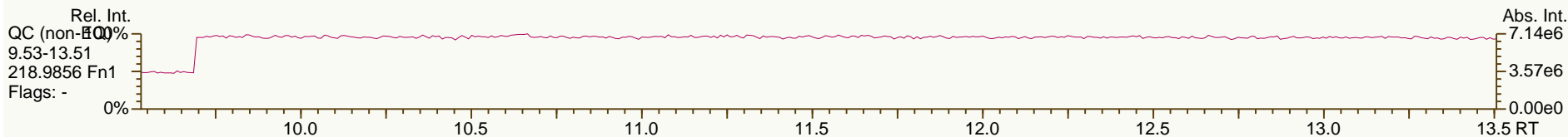
Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

Acq: 06-Jul-2012 01:47:39
User: LKB Datafile: 120705S16



Analytical Perspectives — Run Log


Project: A4371_9893_PCB

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	120705S01	15	CS3_120705_PCB_SA	1.00	M1668-RETCON S40-51	LKB	721-881	05-Jul-2012	11:33:26
2	120705S02	29	OPR1_9893_PCB-RJ	1.00	OPR #73533	LKB	660-384	05-Jul-2012	12:41:45
3	120705S03	3	SBS_120705_PCB_SA	1.00	SIL9-41-1	LKB	369-353	05-Jul-2012	13:34:47
4	120705S04	30 ✓	MB1_9893_PCB_SDS-RJ	1.00	MB #73532	LKB	223-346	05-Jul-2012	14:38:04
5	120705S05	31	A4371_9893_PCB_001-RJ	7.19	JW-EA58-COMP-120507	LKB	716-834	05-Jul-2012	15:31:06
6	120705S06	32	A4371_9893_PCB_002-RJ	8.15	JW-EA08-COMP-120507	LKB	113-638	05-Jul-2012	16:26:10
7	120705S07	33	A4371_9893_PCB_003-RJ	9.38	JW-EA06-COMP-120507	LKB	031-742	05-Jul-2012	17:21:14
8	120705S08	34 ✓	A4371_9893_PCB_004-RJ	6.91	JW-EA03-COMP-120507	LKB	364-195	05-Jul-2012	18:16:17
9	120705S09	3	SBS_120705_PCB_SB	1.00	SIL9-41-1	LKB	502-351	05-Jul-2012	19:11:21
10	120705S10	15	CS3_120705_PCB_SB	1.00	M1668-RETCON S40-51	LKB	109-887	05-Jul-2012	20:06:24
11	120705S11	35	A4371_9893_PCB_005-RJ	6.59	JW-EA02-COMP-120507	LKB	818-121	05-Jul-2012	21:14:20
12	120705S12	36	A4371_9893_PCB_006-RJ	9.53	JW-EA04-COMP-120507	LKB	275-977	05-Jul-2012	22:07:24
13	120705S13	37	A4371_9893_PCB_007-RJ	9.48	JW-EA09-COMP-120507	LKB	746-448	05-Jul-2012	23:02:26
14	120705S14	38 ✓	A4371_9893_PCB_008-RJ	10.35	JW-UR-COMP-120508	LKB	296-129	05-Jul-2012	23:57:26
15	120705S15	39	A4371_9893_PCB_009-RJ	7.69	JW-DR-COMP-120508	LKB	696-554	06-Jul-2012	00:52:32
16	120705S16	40	A4371_9893_PCB_010-RJ	9.31	JW-RG-COMP-120508	LKB	182-994	06-Jul-2012	01:47:39

 = manual calculation
REVIEWED*By Laura Boivin at 4:37 pm, Jul 09, 2012***REVIEWED***By Todd Vilen at 11:16 am, Jul 11, 2012*

PCB QC Summary		SGS Analytical Perspectives			Processed: 11-Jul-2012 10:34		
Lab ID:	CS3_120705_PCB_SA						
Acquired:	05-JUL-2012 11:33		ICAL: MM4_PCB_01102012_26JAN12				
Datafile:	120705S01						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.28	6.50E+06	0.77 Y	1.22	1.21	-1.0%	
PCB-81 344'5'-TeCB	28.81	6.23E+06	0.75 Y	1.24	1.08	-13.5%	
PCB-105 233'44'-PeCB	32.22	3.86E+06	0.60 Y	1.03	0.96	-6.6%	
PCB-114 2344'5'-PeCB	31.68	4.58E+06	0.62 Y	1.10	1.15	4.6%	
PCB-118 23'44'5'-PeCB	31.24	4.37E+06	0.60 Y	1.03	0.99	-4.5%	
PCB-123 2'344'5'-PeCB	30.96	4.23E+06	0.60 Y	0.93	0.98	5.5%	
PCB-126 33'44'5'-PeCB	34.84	5.04E+06	0.61 Y	1.11	1.05	-5.4%	
PCB-156/157 233'44'5'/233'44'5'	37.36	7.55E+06	1.27 Y	1.05	1.01	-3.0%	
PCB-167 23'44'55'-HxCB	36.40	4.09E+06	1.26 Y	1.08	1.11	2.3%	
PCB-169 33'44'55'-HxCB	40.10	3.14E+06	1.28 Y	1.04	0.97	-6.9%	
PCB-189 233'44'55'-HpCB	42.22	5.02E+06	1.04 Y	1.11	1.11	0.4%	
PCB-209 DeCB	47.20	2.97E+06	1.18 Y	1.05	0.98	-7.0%	
ES PCB-1	9.85	1.81E+07	3.35 Y	1.01	0.93	-8.2%	
ES PCB-3	11.78	1.71E+07	3.25 Y	1.05	0.88	-16.3%	
ES PCB-4	11.98	9.87E+06	1.64 Y	0.70	0.51	-27.3%	
ES PCB-15	17.10	1.90E+07	1.64 Y	1.17	0.98	-16.7%	
ES PCB-19	14.68	9.78E+06	1.08 Y	0.57	0.50	-11.4%	
ES PCB-37	23.08	1.23E+07	1.12 Y	1.41	1.42	0.8%	
ES PCB-54	17.32	1.08E+07	0.80 Y	1.32	1.25	-5.2%	
ES PCB-77	29.26	1.07E+07	0.79 Y	1.22	1.24	1.9%	
ES PCB-81	28.79	1.16E+07	0.80 Y	1.15	1.34	16.4%	
ES PCB-104	22.03	8.66E+06	1.65 Y	1.69	1.19	-29.3%	
ES PCB-105	32.19	8.05E+06	1.56 Y	1.21	1.11	-8.1%	
ES PCB-114	31.66	7.97E+06	1.68 Y	1.23	1.10	-10.8%	
ES PCB-118	31.22	8.85E+06	1.61 Y	1.25	1.22	-2.1%	
ES PCB-123	30.94	8.67E+06	1.62 Y	1.33	1.20	-9.9%	
ES PCB-126	34.81	9.57E+06	1.65 Y	1.36	1.32	-2.8%	
ES PCB-153	-	-	-	-	-	-	
ES PCB-155	26.86	9.40E+06	1.29 Y	1.40	1.68	19.8%	
ES PCB-156/157	37.34	1.49E+07	1.26 Y	1.13	1.33	17.8%	
ES PCB-167	36.38	7.39E+06	1.36 Y	1.13	1.32	17.1%	
ES PCB-169	40.08	6.46E+06	1.23 Y	1.14	1.16	1.2%	
ES PCB-170	-	-	-	-	-	-	
ES PCB-180	-	-	-	-	-	-	
ES PCB-188	31.67	6.59E+06	1.08 Y	1.34	1.18	-11.9%	
ES PCB-189	42.20	9.01E+06	1.08 Y	1.77	1.76	-0.3%	
ES PCB-202	36.18	6.62E+06	0.90 Y	1.27	1.18	-6.8%	
ES PCB-205	44.37	7.04E+06	0.92 Y	1.25	1.37	10.1%	
ES PCB-206	45.83	5.42E+06	0.78 Y	1.07	1.06	-0.8%	
ES PCB-208	41.80	6.39E+06	0.78 Y	1.34	1.25	-6.7%	
ES PCB-209	47.19	6.09E+06	1.19 Y	1.18	1.19	0.4%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 11-Jul-2012 10:34		
Lab ID:	CS3_120705_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 11:33						
Datafile:	120705S01						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.68	1.48E+07	1.10 Y	0.98	1.20	22.4%	
SS PCB-111	29.32	9.35E+06	1.68 Y	0.90	1.08	20.2%	
SS PCB-178	34.23	4.64E+06	1.10 Y	0.65	0.70	8.6%	
CS PCB-28	19.68	1.48E+07	1.10 Y	1.39	1.71	23.4%	
CS PCB-111	29.32	9.35E+06	1.68 Y	1.19	1.29	8.3%	
CS PCB-178	34.23	4.64E+06	1.10 Y	0.87	0.83	-4.3%	
JS PCB-9	13.73	1.94E+07	1.64 Y		-	-	
JS PCB-52	21.23	8.64E+06	0.78 Y		-	-	
JS PCB-101	27.04	7.26E+06	1.66 Y		-	-	
JS PCB-138	33.83	5.59E+06	1.28 Y		-	-	
JS PCB-194	43.97	5.12E+06	0.89 Y		-	-	
PCB-1 2-MoCB	9.86	1.13E+07	3.14 Y	1.20	1.25	3.9%	
PCB-3 4-MoCB	11.79	1.05E+07	3.16 Y	1.13	1.23	8.5%	
PCB-4 22'-DiCB	12.00	5.44E+06	1.50 Y	0.94	1.10	16.7%	
PCB-15 44'-DiCB	17.11	9.59E+06	1.54 Y	1.01	1.01	0.5%	
PCB-19 22'6'-TrCB	14.70	4.70E+06	1.03 Y	1.01	0.96	-4.9%	
PCB-37 344'-TrCB	23.10	8.04E+06	1.05 Y	1.20	1.31	9.1%	
PCB-54 22'66'-TeCB	17.34	5.18E+06	0.78 Y	0.93	0.96	2.6%	
PCB-104 22'466'-PeCB	22.05	4.75E+06	0.62 Y	0.92	1.10	19.7%	
PCB-155 22'44'66'-HxCB	26.88	5.16E+06	1.31 Y	1.06	1.10	4.1%	
PCB-188 22'34'566'-HpCB	31.69	3.65E+06	1.04 Y	1.07	1.11	3.9%	
PCB-202 22'33'55'66'-OcCB	36.20	2.89E+06	0.94 Y	0.83	0.87	5.6%	
PCB-205 233'44'55'6'-OcCB	44.39	3.32E+06	0.90 Y	1.09	0.94	-13.7%	
PCB-208 22'33'455'66'-NoCB	41.82	3.03E+06	0.78 Y	0.98	0.95	-2.9%	
PCB-206 22'33'44'55'6'-NoCB	45.85	2.35E+06	0.77 Y	0.93	0.87	-7.2%	

PCB QC Summary - Ax2 Detail				Processed: 11-Jul-2012 10:34			
Lab ID:	CS3_120705_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 11:33						
Datafile:	120705S01						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	9.86	1.13E+07	3.14 Y	1.20	-	-	
PCB-2 3-MoCB	11.63	1.07E+07	3.20 Y	1.13	1.25	10.7%	
PCB-3 4-MoCB	11.79	1.05E+07	3.16 Y	1.13	-	-	
PCB-4 22'-DiCB	12.00	5.44E+06	1.50 Y	0.94	-	-	
PCB-10 26'-DiCB	12.15	8.16E+06	1.52 Y	1.43	1.65	15.5%	
PCB-9 25'-DiCB	13.74	8.76E+06	1.52 Y	0.87	0.92	6.4%	
PCB-7 24'-DiCB	13.88	9.88E+06	1.57 Y	1.00	1.04	3.7%	
PCB-6 23'-DiCB	14.08	9.55E+06	1.52 Y	0.94	1.01	7.3%	
PCB-5 23'-DiCB	14.35	9.37E+06	1.53 Y	0.92	0.99	7.2%	
PCB-8 24'-DiCB	14.46	9.80E+06	1.54 Y	0.95	1.03	8.9%	
PCB-14 35'-DiCB	15.87	1.09E+07	1.55 Y	1.09	1.15	4.8%	
PCB-11 33'-DiCB	16.58	9.06E+06	1.54 Y	0.98	0.95	-2.3%	
PCB-13/12 34'-/34'-DiCB	16.85	1.85E+07	1.56 Y	0.97	0.98	0.8%	
PCB-15 44'-DiCB	17.11	9.59E+06	1.54 Y	1.01	-	-	
PCB-19 22'6'-TrCB	14.70	4.70E+06	1.03 Y	1.01	-	-	
PCB-30/18 246-/22'5'-TrCB	16.31	1.22E+07	1.04 Y	1.29	1.24	-3.8%	
PCB-17 22'4'-TrCB	16.68	5.12E+06	1.05 Y	1.14	1.05	-7.8%	
PCB-27 23'6'-TrCB	16.85	6.81E+06	1.05 Y	1.48	1.39	-6.1%	
PCB-24 236'-TrCB	16.97	6.50E+06	1.02 Y	1.43	1.33	-7.0%	
PCB-16 22'3'-TrCB	17.05	4.07E+06	1.06 Y	0.89	0.83	-6.8%	
PCB-32 24'6'-TrCB	17.51	7.32E+06	1.06 Y	1.56	1.50	-3.9%	
PCB-34 2'35'-TrCB	18.60	8.37E+06	1.04 Y	1.18	1.36	15.5%	
PCB-23 235'-TrCB	18.73	8.77E+06	1.05 Y	1.19	1.43	20.4%	
PCB-26/29 23'5'-/245'-TrCB	19.00	1.74E+07	1.05 Y	1.20	1.42	18.1%	
PCB-25 23'4'-TrCB	19.19	8.76E+06	1.04 Y	1.19	1.42	19.5%	
PCB-31 24'5'-TrCB	19.45	9.08E+06	1.07 Y	1.23	1.48	20.5%	
PCB-28/20 244'-/233'-TrCB	19.71	1.74E+07	1.05 Y	1.18	1.41	19.8%	
PCB-21/33 234'-/2'34'-TrCB	19.87	1.76E+07	1.05 Y	1.21	1.43	18.1%	
PCB-22 234'-TrCB	20.23	8.21E+06	1.04 Y	1.11	1.34	19.8%	
PCB-36 33'5'-TrCB	21.57	8.53E+06	1.07 Y	1.21	1.39	14.4%	
PCB-39 34'5'-TrCB	21.88	8.84E+06	1.04 Y	1.32	1.44	9.1%	
PCB-38 345'-TrCB	22.36	7.86E+06	1.06 Y	1.15	1.28	10.8%	
PCB-35 33'4'-TrCB	22.75	7.84E+06	1.06 Y	1.13	1.28	12.4%	
PCB-37 344'-TrCB	23.10	8.04E+06	1.05 Y	1.20	-	-	
PCB-54 22'66'-TeCB	17.34	5.18E+06	0.78 Y	0.93	-	-	
PCB-50/53 22'46-/22'56'-TeCB	19.22	9.25E+06	0.77 Y	0.83	0.80	-4.0%	
PCB-45 22'36'-TeCB	19.76	3.95E+06	0.77 Y	0.71	0.68	-3.4%	
PCB-51 22'46'-TeCB	19.84	4.67E+06	0.81 Y	0.88	0.81	-8.2%	
PCB-46 22'36'-TeCB	20.02	3.80E+06	0.77 Y	0.69	0.66	-5.4%	
PCB-52 22'55'-TeCB	21.25	4.25E+06	0.75 Y	0.80	0.73	-8.4%	
PCB-73 23'5'6TeCB	21.38	5.59E+06	0.77 Y	1.03	0.97	-6.4%	

Lab ID: - Ax2 Detail		Processed: 11-Jul-2012 10:34					
Lab ID:	CS3_120705_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 11:33						
Datafile:	120705S01						
Name	RT	Response	RA		RRF		
PCB-43 22'35'-TeCB	21.45	3.87E+06	0.79 Y	0.71	0.67	-5.4%	
PCB-69/49 23'46-/22'45'TeCB	21.65	1.04E+07	0.79 Y	0.96	0.90	-5.9%	
PCB-48 22'45'-TeCB	21.91	4.29E+06	0.78 Y	0.84	0.74	-11.3%	
PCB-44/47/65 22'35'-/22'44'-	22.12	1.39E+07	0.79 Y	0.86	0.80	-6.5%	
PCB-59/62/75 233'6-/2346-/24	22.38	1.75E+07	0.77 Y	1.09	1.01	-7.6%	
PCB-42 22'34'-TeCB	22.53	4.09E+06	0.77 Y	0.77	0.71	-7.7%	
PCB-41 22'34'-TeCB	22.84	3.58E+06	0.79 Y	0.73	0.62	-14.7%	
PCB-71/40 23'4'6/22'33'-TeCB	22.94	8.88E+06	0.80 Y	0.81	0.77	-5.8%	
PCB-64 234'6'-TeCB	23.14	6.21E+06	0.76 Y	1.17	1.07	-8.0%	
PCB-72 23'55'-TeCB	23.88	7.40E+06	0.78 Y	1.25	1.28	2.1%	
PCB-68 23'45'-TeCB	24.12	7.71E+06	0.76 Y	1.36	1.33	-2.3%	
PCB-57 233'5'-TeCB	24.47	6.93E+06	0.76 Y	1.22	1.20	-2.2%	
PCB-58 233'5'-TeCB	24.66	6.92E+06	0.78 Y	1.26	1.20	-4.8%	
PCB-67 23'45'-TeCB	24.81	7.10E+06	0.76 Y	1.27	1.23	-3.8%	
PCB-63 234'5'-TeCB	25.03	7.63E+06	0.78 Y	1.34	1.32	-1.3%	
PCB-61/70/74/76 2345-/23'4'5	25.31	2.85E+07	0.77 Y	1.24	1.23	-0.9%	
PCB-66 23'44'-TeCB	25.58	6.69E+06	0.78 Y	1.19	1.16	-2.7%	
PCB-55 233'4'-TeCB	25.71	6.80E+06	0.77 Y	1.22	1.17	-3.6%	
PCB-56 233'4'-TeCB	26.14	6.65E+06	0.77 Y	1.18	1.15	-2.6%	
PCB-60 2344'-TeCB	26.32	7.00E+06	0.77 Y	1.24	1.21	-2.4%	
PCB-80 33'55'-TeCB	26.70	7.76E+06	0.77 Y	1.37	1.34	-2.3%	
PCB-79 33'45'-TeCB	27.98	7.28E+06	0.77 Y	1.37	1.26	-8.2%	
PCB-78 33'45'-TeCB	28.44	6.01E+06	0.77 Y	1.19	1.04	-13.0%	
PCB-104 22'466'-PeCB	22.05	4.75E+06	0.62 Y	0.92	-	-	
PCB-96 22'366'-PeCB	22.34	4.04E+06	0.64 Y	0.81	0.93	15.0%	
PCB-103 22'45'6'-PeCB	24.02	3.74E+06	0.61 Y	0.78	0.86	11.4%	
PCB-94 22'356'-PeCB	24.19	3.28E+06	0.62 Y	0.71	0.76	6.1%	
PCB-95 22'35'6'-PeCB	24.56	3.59E+06	0.61 Y	0.74	0.83	11.6%	
PCB-100/93 22'44'6-/22'356-P	24.76	7.19E+06	0.59 Y	0.75	0.83	11.1%	
PCB-102 22'456'-PeCB	24.87	4.23E+06	0.60 Y	0.75	0.98	30.4%	
PCB-98 22'3'46'-PeCB	24.94	3.11E+06	0.62 Y	0.71	0.72	1.0%	
PCB-88 22'346'-PeCB	25.22	3.19E+06	0.60 Y	0.66	0.74	10.9%	
PCB-91 22'34'6'-PeCB	25.29	3.92E+06	0.60 Y	0.84	0.90	7.9%	
PCB-84 22'33'6'-PeCB	25.46	3.06E+06	0.62 Y	0.65	0.71	8.5%	
PCB-89 22'346'-PeCB	25.87	3.20E+06	0.61 Y	0.69	0.74	7.6%	
PCB-121 23'45'6'-PeCB	26.27	4.62E+06	0.60 Y	0.98	1.07	8.4%	
PCB-92 22'355'-PeCB	26.57	3.23E+06	0.61 Y	0.72	0.74	4.1%	
PCB-113/90/101 233'5'6-/22'3	27.03	1.14E+07	0.60 Y	0.81	0.88	8.4%	
PCB-83 22'33'5'-PeCB	27.44	2.79E+06	0.60 Y	0.62	0.64	3.5%	

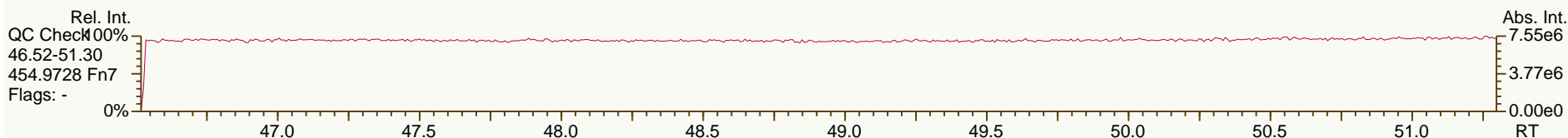
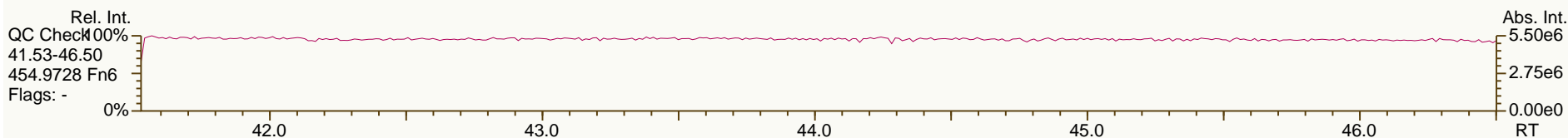
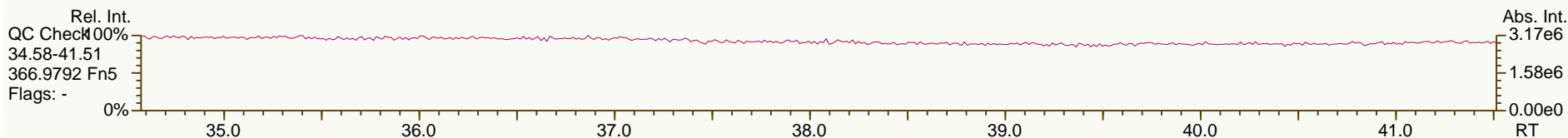
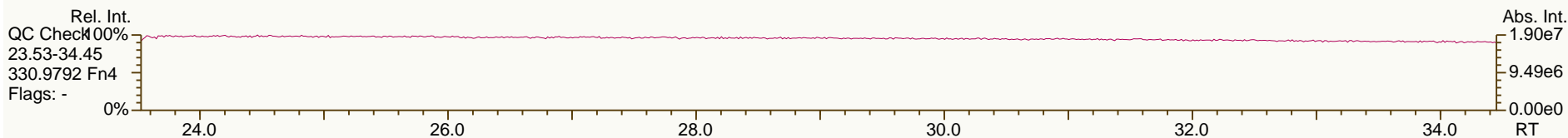
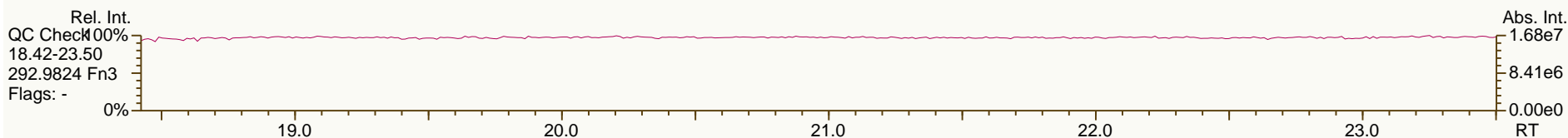
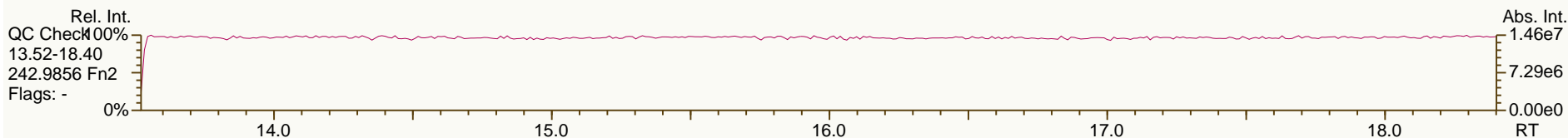
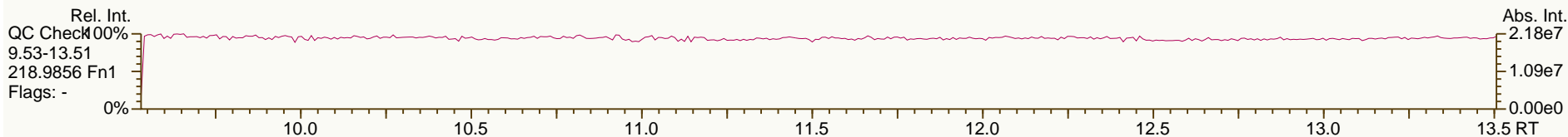
Lab ID: - Ax2 Detail		Processed: 11-Jul-2012 10:34					
Lab ID:	CS3_120705_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 11:33						
Datafile:	120705S01						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	27.55	3.38E+06	0.59 Y	0.76	0.78	2.0%	
PCB-112 233'56-PeCB	27.64	4.48E+06	0.59 Y	0.96	1.03	7.3%	
PCB-109/119/86/97/125...-PeCB	27.98	2.34E+07	0.61 Y	0.83	0.90	8.9%	
PCB-117 234'56-PeCB	28.49	3.10E+06	0.59 Y	0.94	0.71	-24.0%	
PCB-116/85 23456-/22'344'-Pe	28.56	8.67E+06	0.60 Y	0.81	1.00	23.7%	
PCB-110 233'46-PeCB	28.70	4.31E+06	0.59 Y	0.92	0.99	8.0%	
PCB-115 2344'6-PeCB	28.78	4.35E+06	0.60 Y	0.95	1.00	5.9%	
PCB-82 22'33'4-PeCB	28.96	2.80E+06	0.59 Y	0.62	0.65	4.9%	
PCB-111 233'55'-PeCB	29.34	4.50E+06	0.61 Y	0.98	1.04	5.4%	
PCB-120 23'455'-PeCB	29.73	4.51E+06	0.60 Y	0.99	1.04	4.8%	
PCB-108/124 ...-PeCB	30.66	8.32E+06	0.61 Y	0.92	0.96	4.3%	
PCB-107 233'45-PeCB	30.87	4.24E+06	0.59 Y	1.00	0.98	-1.6%	
PCB-106 233'45-PeCB	31.06	4.05E+06	0.61 Y	0.96	0.94	-2.8%	
PCB-122 2'33'45-PeCB	31.52	3.85E+06	0.61 Y	0.93	0.97	4.3%	
PCB-127 33'455'-PeCB	33.49	3.79E+06	0.59 Y	1.04	0.94	-9.4%	
PCB-155 22'44'66'-HxCB	26.88	5.16E+06	1.31 Y	1.06	-	-	
PCB-152 22'3566'-HxCB	27.01	4.67E+06	1.28 Y	0.98	0.99	1.3%	
PCB-150 22'34'66'-HxCB	27.16	4.79E+06	1.25 Y	0.99	1.02	3.4%	
PCB-136 22'33'66'-HxCB	27.44	4.33E+06	1.24 Y	0.92	0.92	0.3%	
PCB-145 22'3466'HxCB	27.71	4.47E+06	1.26 Y	0.94	0.95	1.4%	
PCB-148 22'34'56'-HxCB	29.01	3.39E+06	1.32 Y	0.73	0.72	-1.7%	
PCB-151/135 22'355'6-/22'33'	29.51	6.57E+06	1.30 Y	0.71	0.70	-1.5%	
PCB-154 22'44'5'6'-HxCB	29.73	3.67E+06	1.29 Y	0.78	0.78	-0.5%	
PCB-144 22'345'6'-HxCB	29.97	3.28E+06	1.30 Y	0.72	0.70	-2.8%	
PCB-147/149 22'34'56-/22'34'	30.27	6.74E+06	1.26 Y	0.72	0.72	-0.9%	
PCB-134 22'33'56'-HxCB	30.42	2.75E+06	1.31 Y	0.61	0.59	-3.5%	
PCB-143 22'3456'-HxCB	30.51	3.12E+06	1.37 Y	0.69	0.66	-4.2%	
PCB-139/140 22'344'6-/22'344'	30.77	6.87E+06	1.31 Y	0.73	0.73	-0.4%	
PCB-131 22'33'46'-HxCB	30.93	2.86E+06	1.30 Y	0.65	0.61	-5.8%	
PCB-142 22'3456'-HxCB	31.06	2.90E+06	1.29 Y	0.67	0.62	-8.2%	
PCB-132 22'33'46'-HxCB	31.31	3.00E+06	1.33 Y	0.68	0.64	-5.9%	
PCB-133 22'33'55'-HxCB	31.77	3.01E+06	1.28 Y	0.69	0.64	-7.0%	
PCB-165 233'55'6'-HxCB	32.10	3.69E+06	1.30 Y	0.82	0.79	-4.6%	
PCB-146 22'34'55'-HxCB	32.31	3.18E+06	1.27 Y	0.73	0.68	-7.4%	
PCB-161 233'45'6'-HxCB	32.42	4.12E+06	1.33 Y	0.93	0.88	-5.5%	
PCB-153/168 22'44'55'-/23'44'	32.85	7.84E+06	1.26 Y	0.89	0.83	-6.1%	
PCB-141 22'3455'-HxCB	32.98	3.05E+06	1.32 Y	0.71	0.65	-8.1%	
PCB-130 22'33'45'-HxCB	33.31	2.73E+06	1.32 Y	0.64	0.58	-8.7%	
PCB-137 22'344'5'-HxCB	33.50	3.10E+06	1.30 Y	0.78	0.66	-15.1%	
PCB-164 233'4'5'6'-HxCB	33.59	4.17E+06	1.30 Y	0.88	0.89	0.9%	
PCB-163/138/129 233'4'56-/22'	33.87	1.01E+07	1.27 Y	0.76	0.72	-6.1%	

Lab ID: - Ax2 Detail				Processed: 11-Jul-2012 10:34			
Lab ID:	CS3_120705_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 11:33						
Datafile:	120705S01						
Name	RT	Response	RA		RRF		
PCB-160 233'456-HxCB	34.00	4.02E+06	1.30 Y	0.88	0.86		-3.3%
PCB-158 233'44'6-HxCB	34.19	4.39E+06	1.25 Y	0.96	0.93		-3.0%
PCB-128/166 22'33'44'-/2344'5	34.90	7.31E+06	1.26 Y	0.86	0.99		14.5%
PCB-159 233'455'-HxCB	35.77	3.89E+06	1.25 Y	1.03	1.05		2.5%
PCB-162 233'4'55'-HxCB	36.00	4.14E+06	1.26 Y	1.04	1.12		7.9%
PCB-188 22'34'566'-HpCB	31.69	3.65E+06	1.04 Y	1.07	-		-
PCB-179 22'33'566'-HpCB	31.95	3.41E+06	1.04 Y	0.98	1.04		5.8%
PCB-184 22'344'66'-HpCB	32.42	3.31E+06	1.07 Y	0.97	1.00		3.3%
PCB-176 22'33'466'-HpCB	32.69	3.67E+06	1.14 Y	1.06	1.11		4.5%
PCB-186 22'34566'-HpCB	33.07	3.45E+06	1.10 Y	1.02	1.05		2.9%
PCB-178 22'33'55'6-HpCB	34.25	2.64E+06	1.10 Y	0.77	0.80		3.7%
PCB-175 22'33'45'6-HpCB	34.79	3.19E+06	1.06 Y	0.70	0.97		38.1%
PCB-187 22'34'55'6-HpCB	35.02	3.40E+06	1.02 Y	0.73	1.03		40.7%
PCB-182 22'344'56'-HpCB	35.19	3.38E+06	1.04 Y	0.74	1.02		37.7%
PCB-183 22'344'5'6-HpCB	35.53	3.54E+06	1.05 Y	0.75	1.08		43.5%
PCB-185 22'3455'6-HpCB	35.60	3.07E+06	1.04 Y	0.73	0.93		28.0%
PCB-174 22'33'456'-HpCB	35.71	2.78E+06	1.03 Y	0.63	0.84		34.5%
PCB-177 22'33'4'56-HpCB	36.08	2.75E+06	1.01 Y	0.64	0.83		30.6%
PCB-181 22'344'56-HpCB	36.42	3.10E+06	1.01 Y	0.72	0.94		31.6%
PCB-171/173 22'33'44'6-/22'3	36.60	5.55E+06	1.03 Y	0.64	0.84		32.2%
PCB-172 22'33'455'-HpCB	37.99	2.74E+06	1.02 Y	0.69	0.61		-11.6%
PCB-192 233'455'6-HpCB	38.23	3.57E+06	1.02 Y	0.91	0.79		-12.7%
PCB-180/193 22'344'55'-/233'	38.51	6.73E+06	1.04 Y	0.84	0.75		-11.2%
PCB-191 233'44'5'6-HpCB	38.83	3.60E+06	1.01 Y	0.94	0.80		-15.0%
PCB-170 22'33'44'5-HpCB	39.58	2.57E+06	1.01 Y	0.70	0.57		-18.3%
PCB-190 233'44'56-HpCB	40.03	3.52E+06	1.05 Y	0.94	0.78		-17.1%
PCB-202 22'33'55'66'-OcCB	36.20	2.89E+06	0.94 Y	0.83	-		-
PCB-201 22'33'45'66'-OcCB	36.98	3.27E+06	0.90 Y	0.93	0.99		6.7%
PCB-204 22'344'566'-OcCB	37.55	3.05E+06	0.89 Y	0.89	0.92		3.5%
PCB-197 22'33'44'66'-OcCB	37.74	3.55E+06	0.90 Y	0.91	1.07		17.5%
PCB-200 22'33'4566'-OcCB	37.82	2.83E+06	0.89 Y	0.93	0.86		-7.8%
PCB-198/199 22'33'455'6-/22'	40.17	4.59E+06	0.90 Y	0.68	0.69		1.6%
PCB-196 22'33'44'56'-OcCB	40.74	2.32E+06	0.89 Y	0.72	0.70		-2.1%
PCB-203 22'344'55'6-OcCB	40.91	2.53E+06	0.88 Y	0.74	0.77		3.8%
PCB-195 22'33'44'56-OcCB	42.01	2.36E+06	0.88 Y	0.81	0.67		-17.4%
PCB-194 22'33'44'55'-OcCB	43.99	2.61E+06	0.90 Y	0.86	0.74		-13.4%
PCB-205 233'44'55'6-OcCB	44.39	3.32E+06	0.90 Y	1.09	-		-
PCB-208 22'33'455'66'-NoCB	41.82	3.03E+06	0.78 Y	0.98	-		-
PCB-207 22'33'44'566'-NoCB	42.61	3.24E+06	0.76 Y	1.02	1.01		-0.1%
PCB-206 22'33'44'55'6-NoCB	45.85	2.35E+06	0.77 Y	0.93	-		-

AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

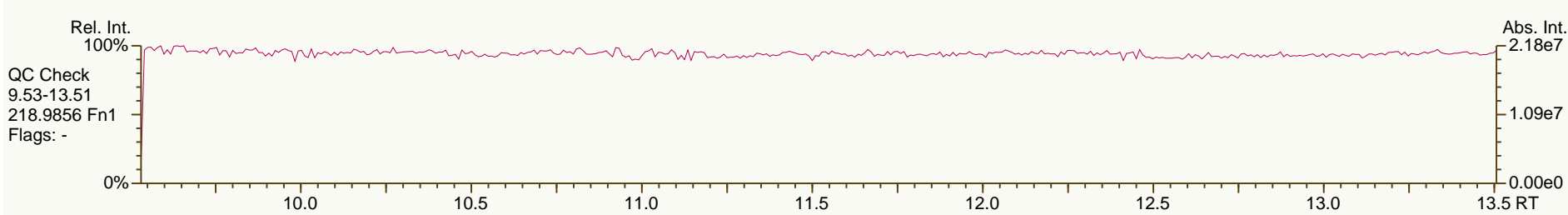
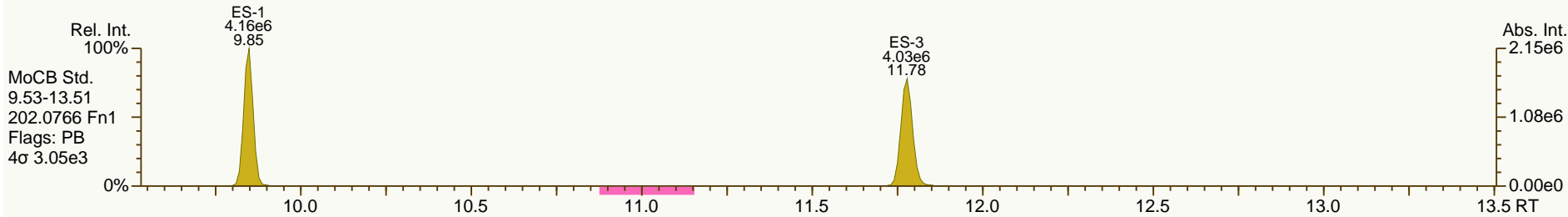
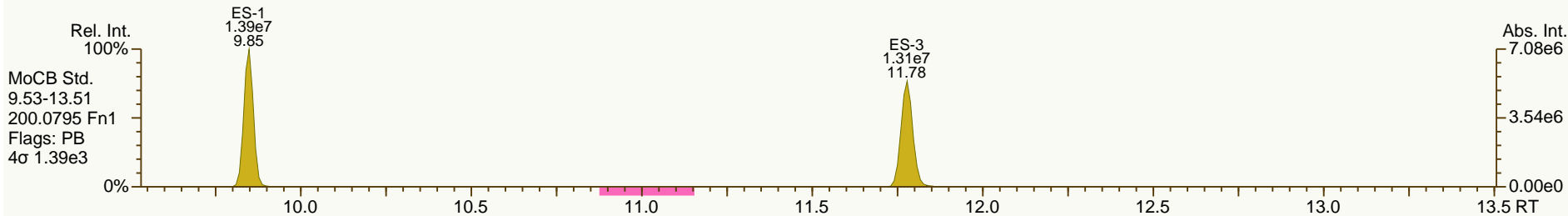
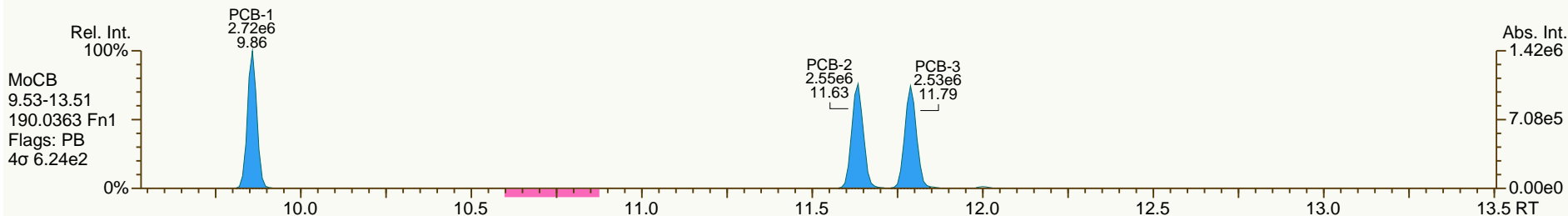
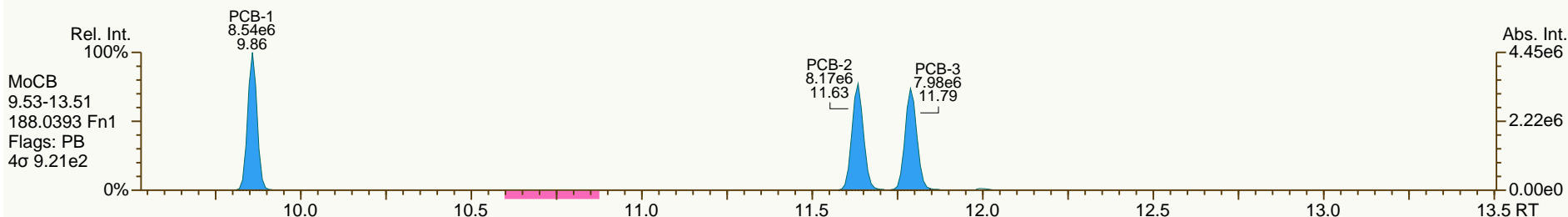
Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

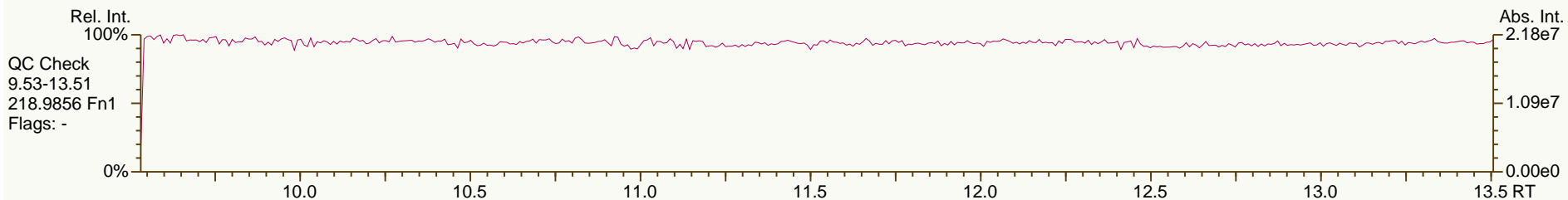
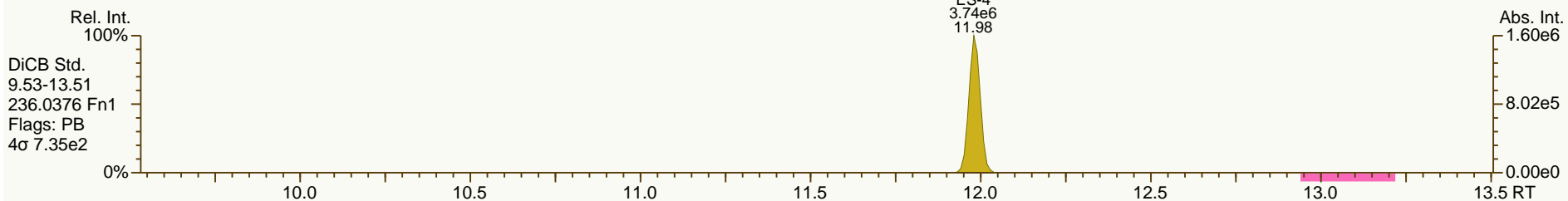
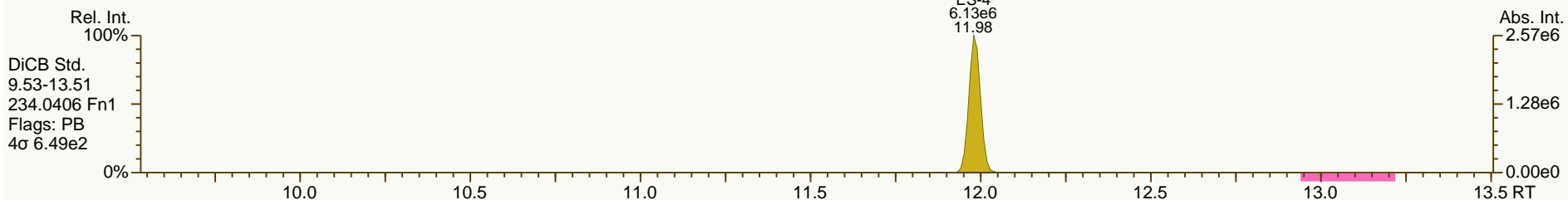
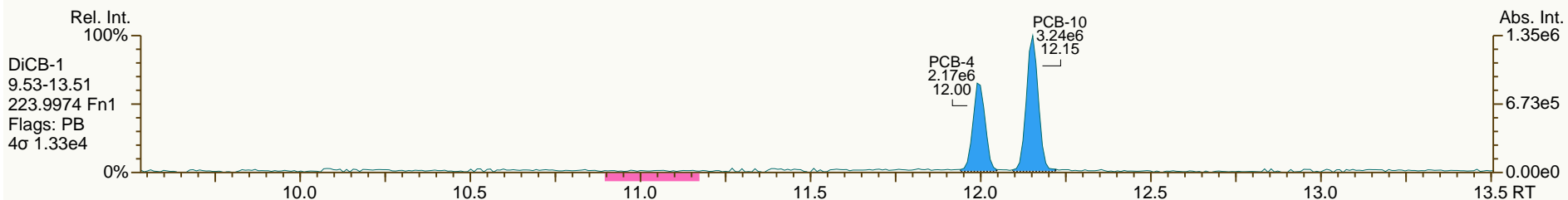
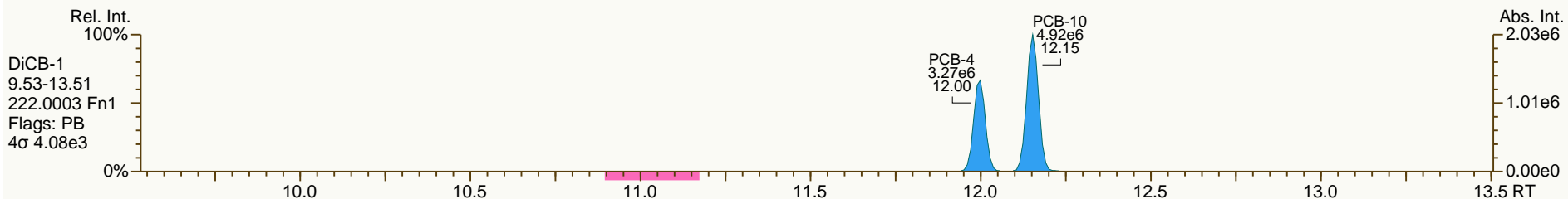
Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

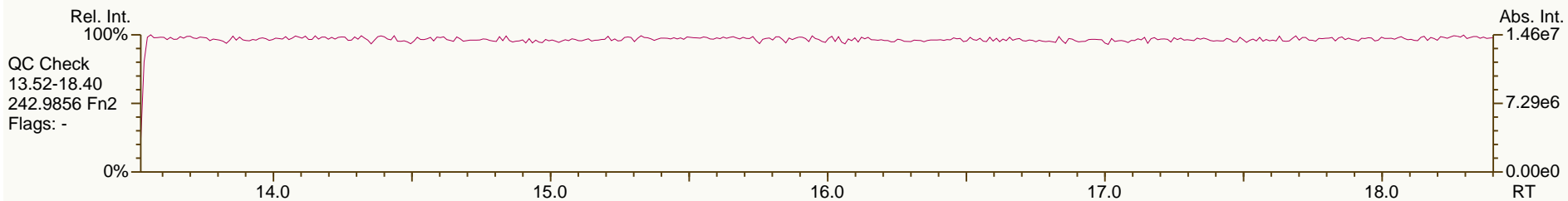
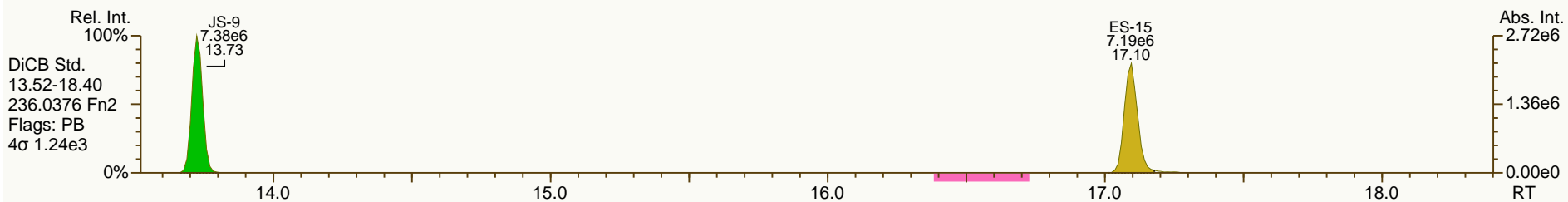
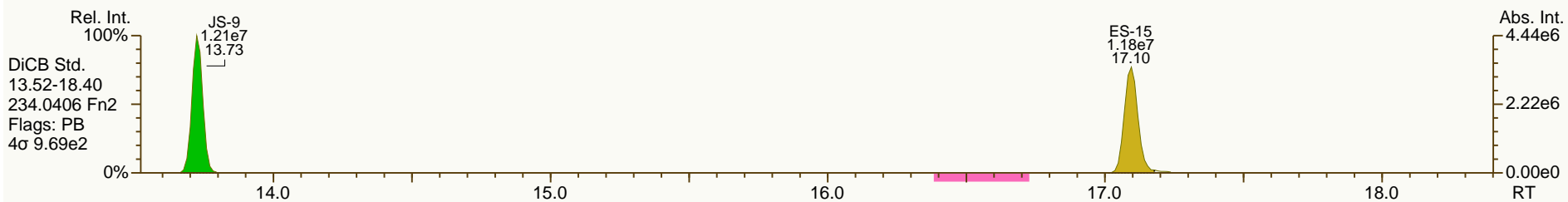
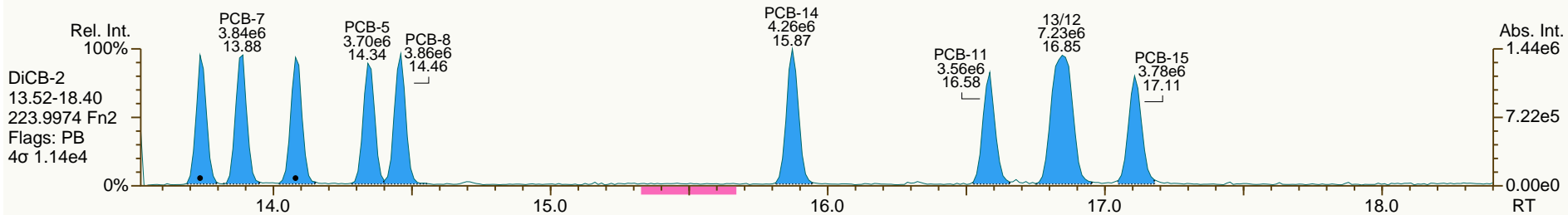
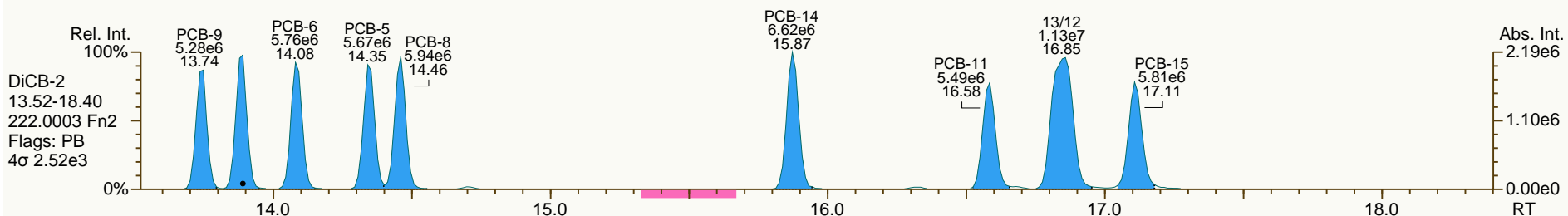
Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

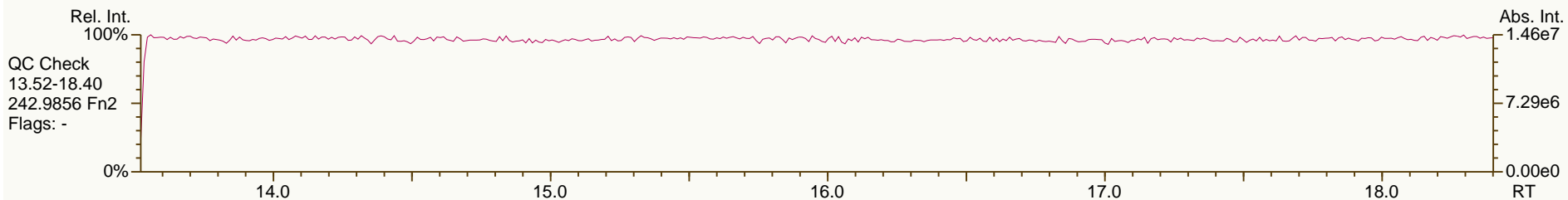
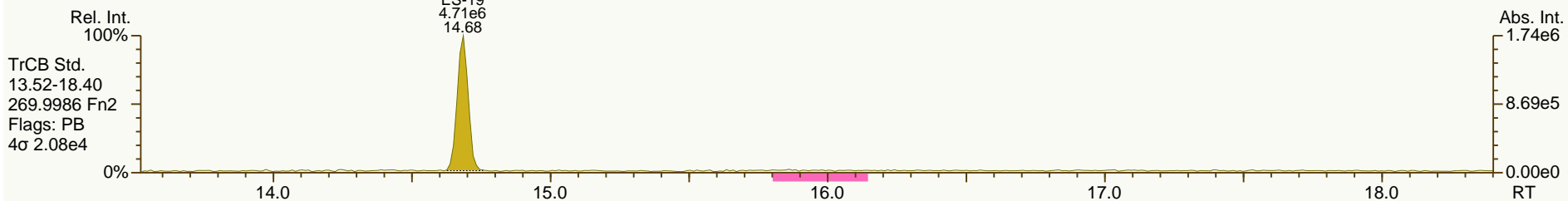
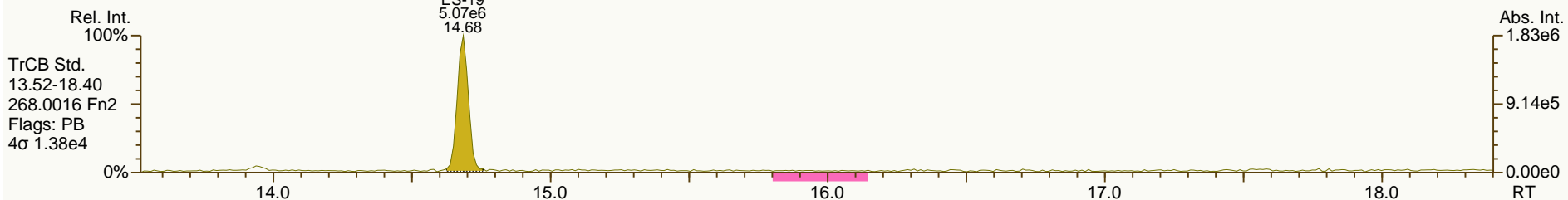
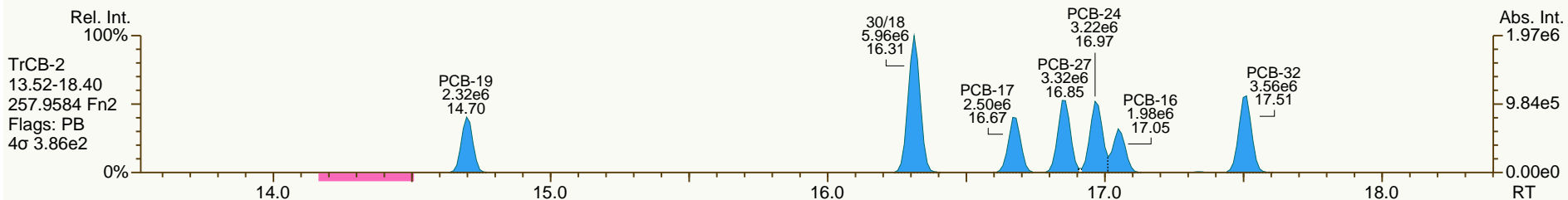
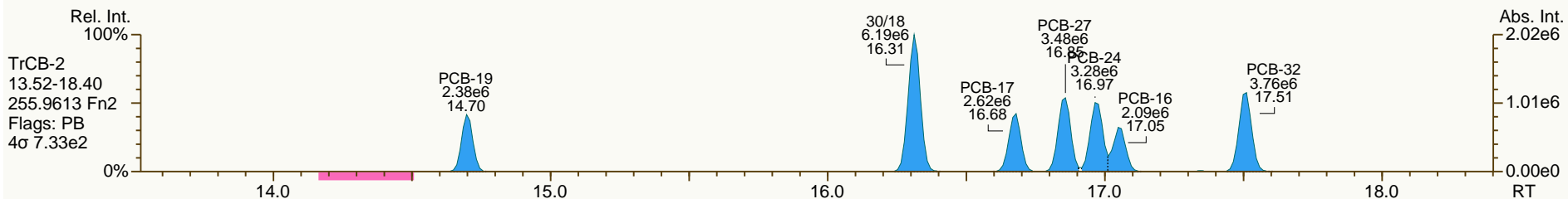
Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

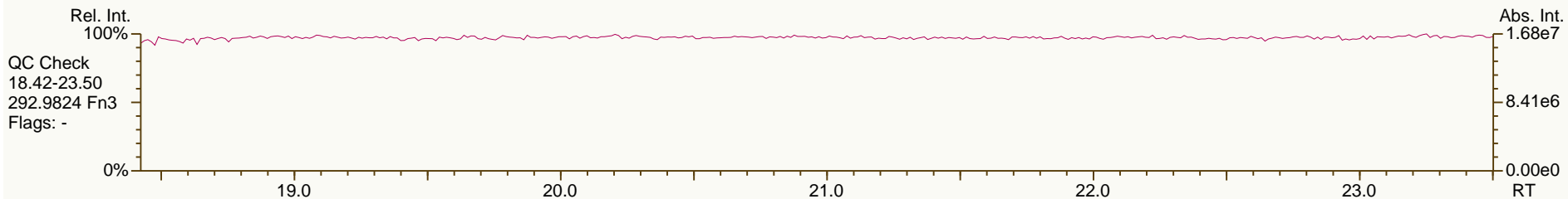
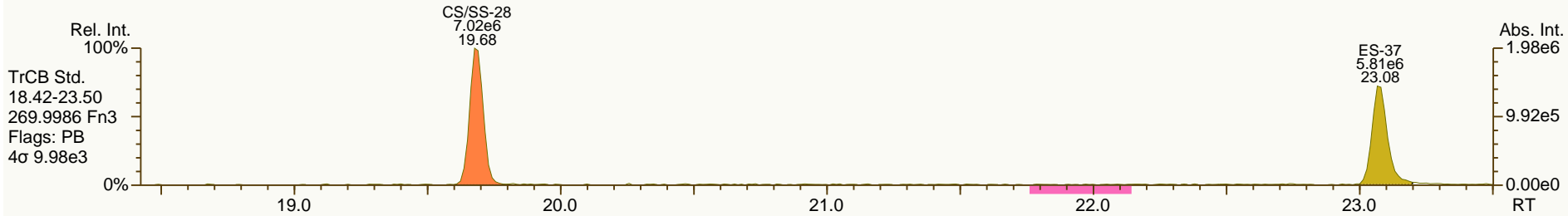
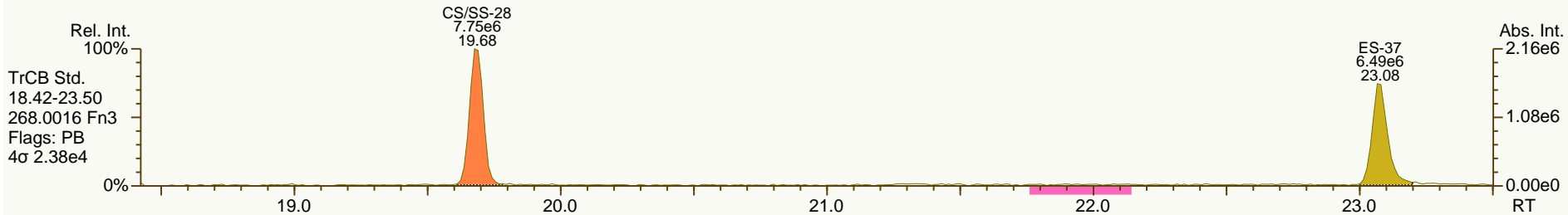
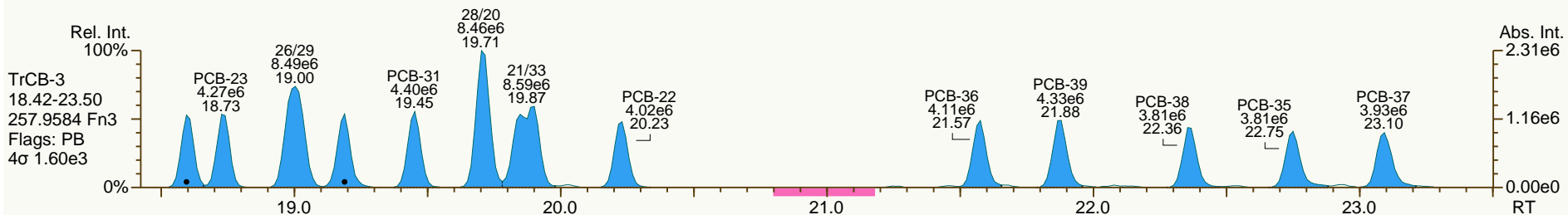
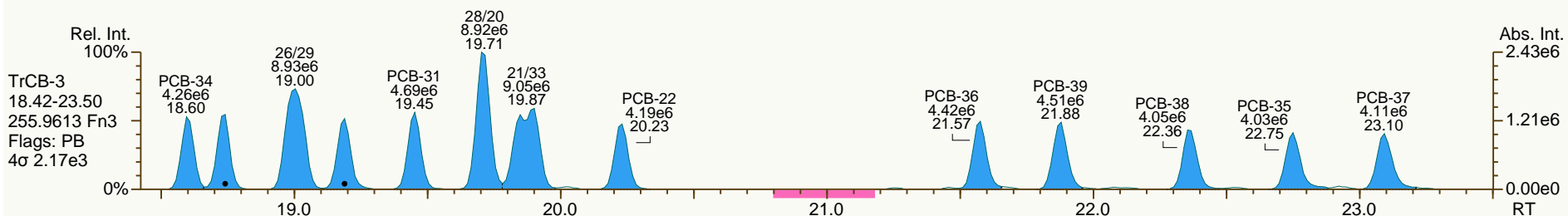
Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

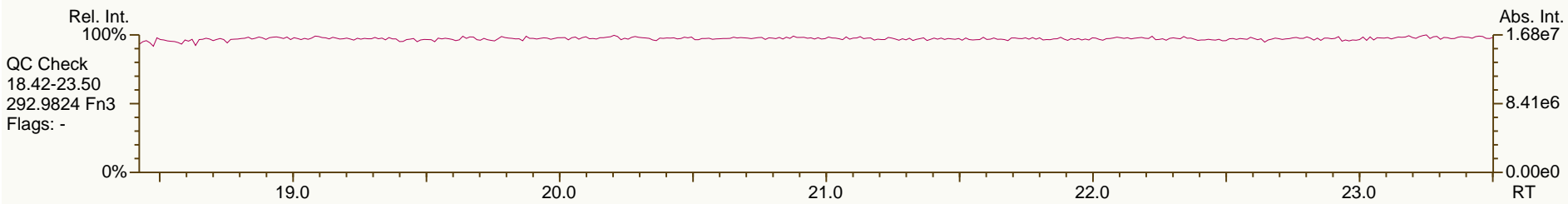
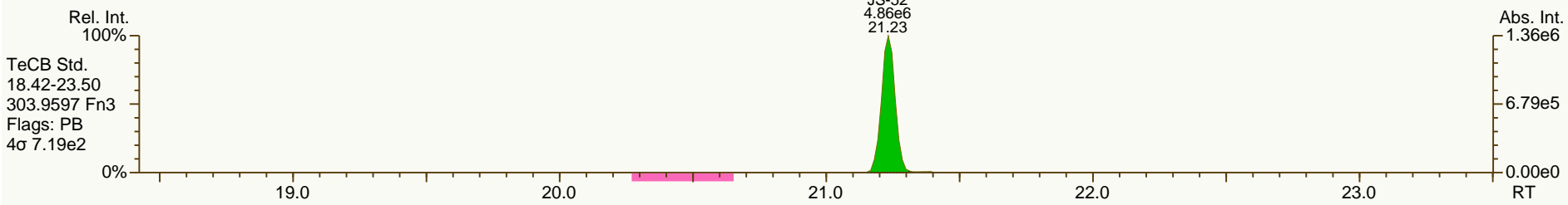
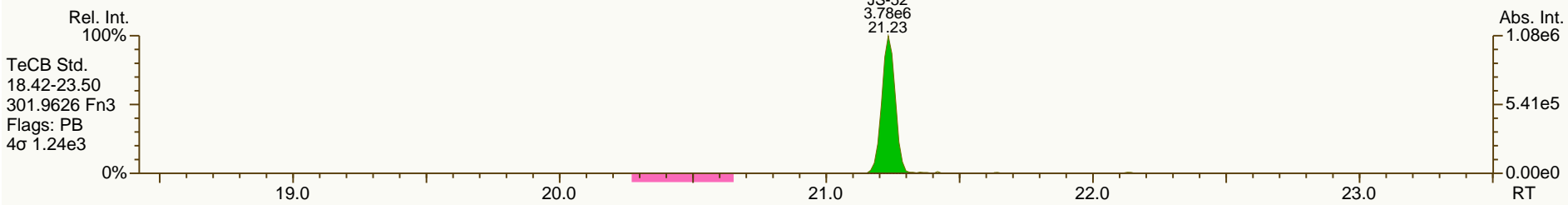
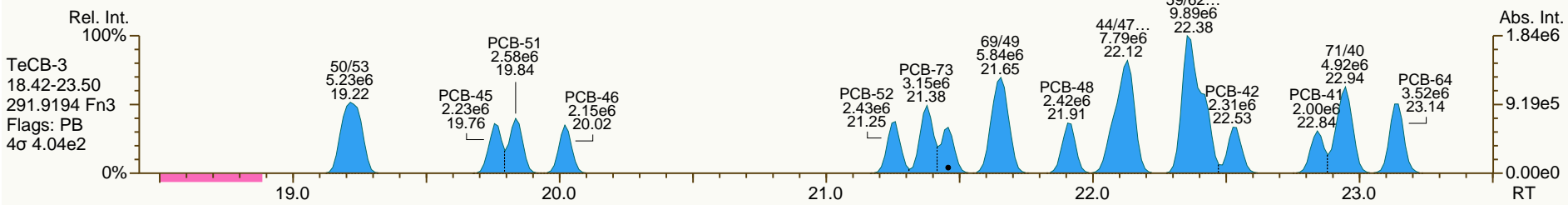
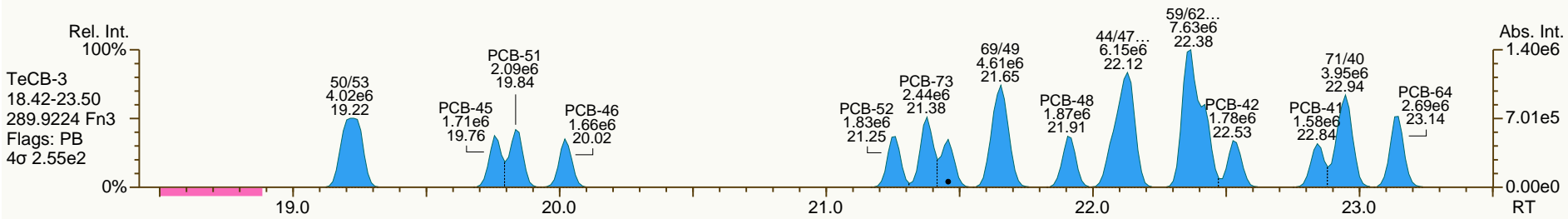
Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

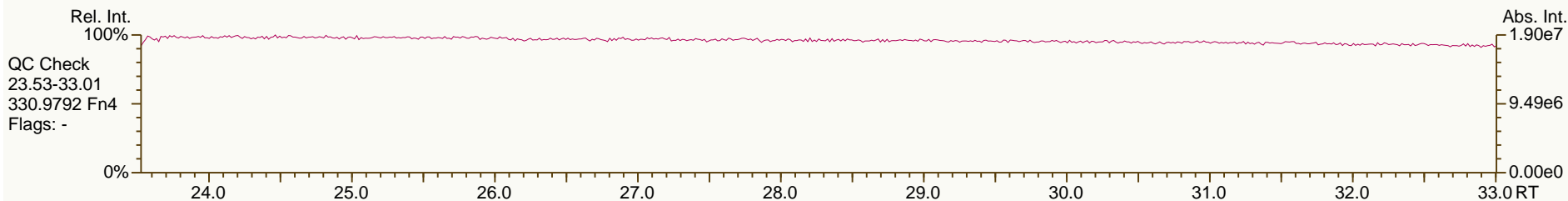
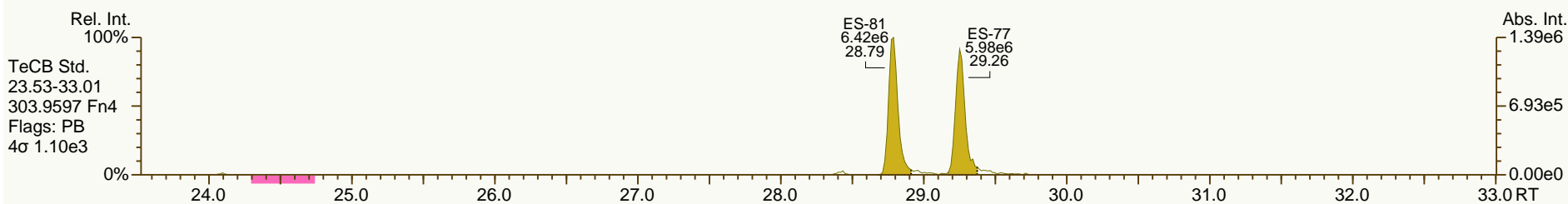
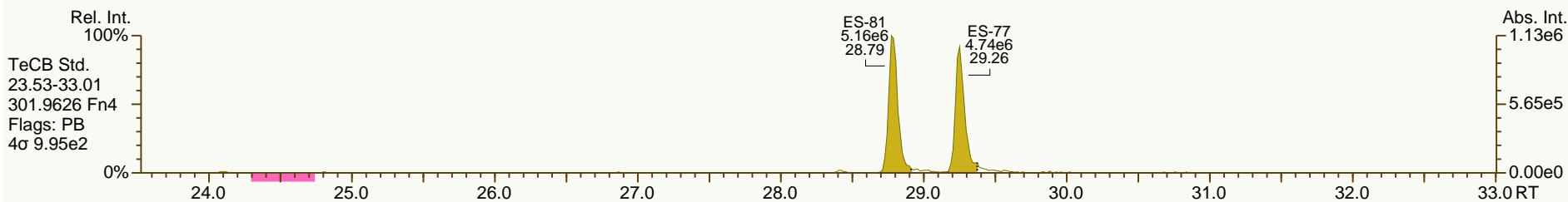
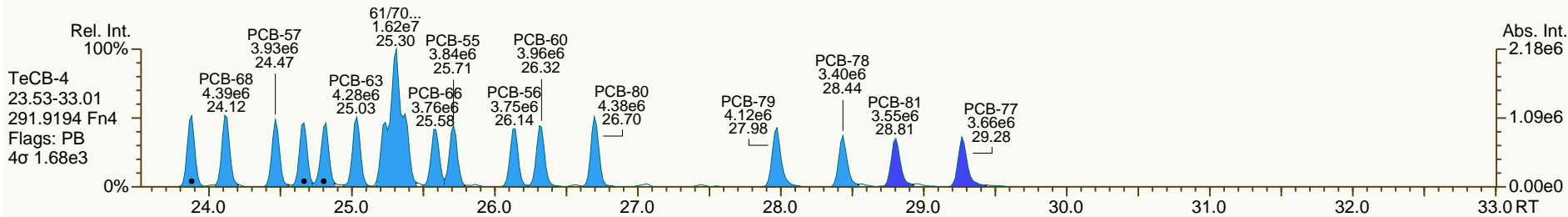
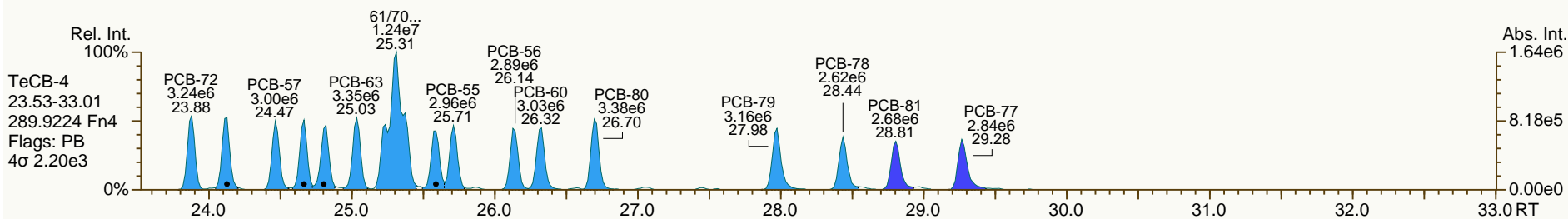
Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

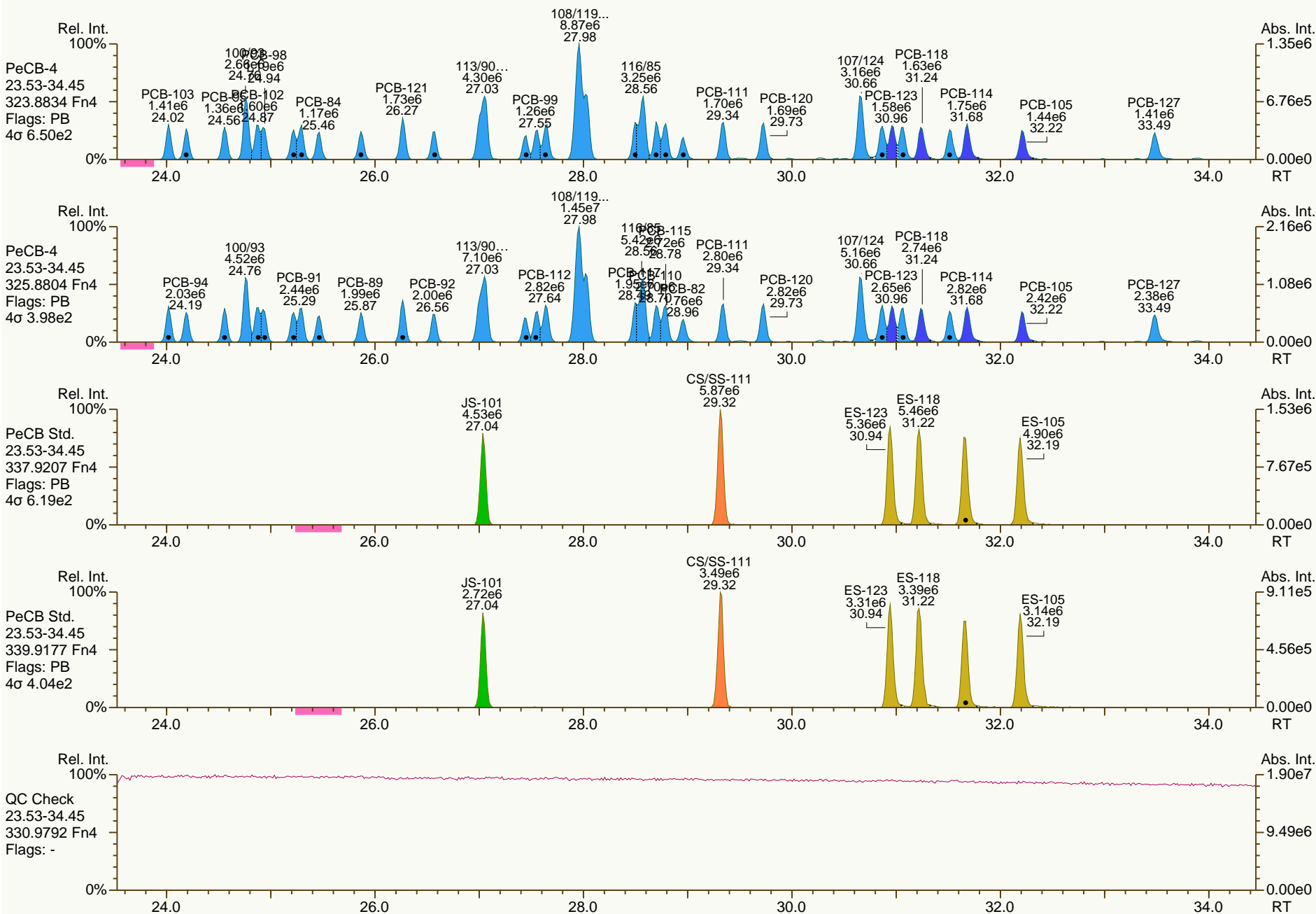
Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

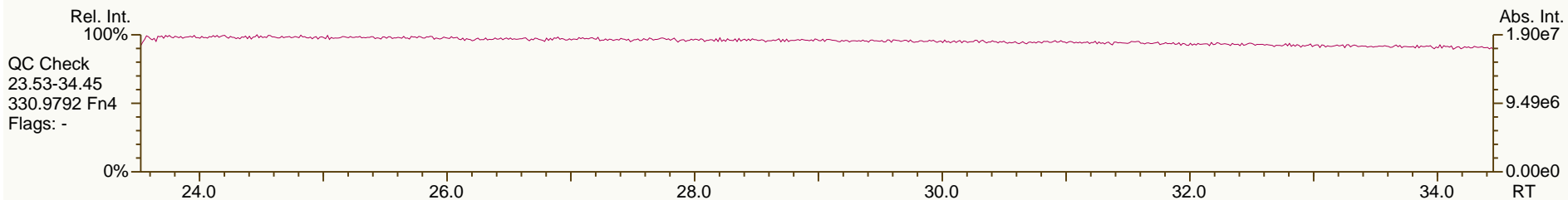
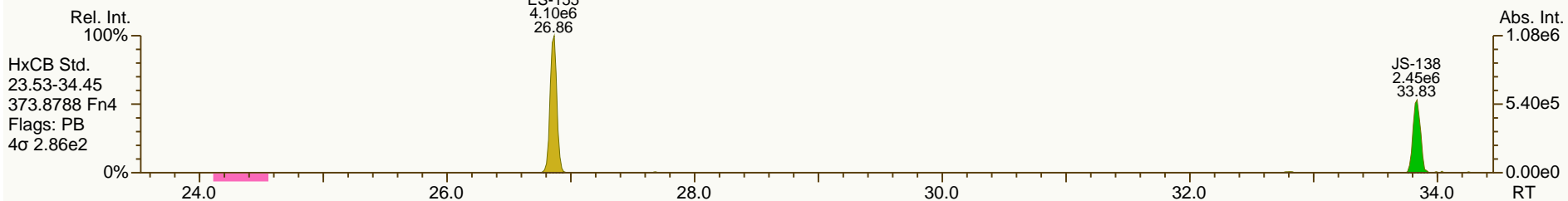
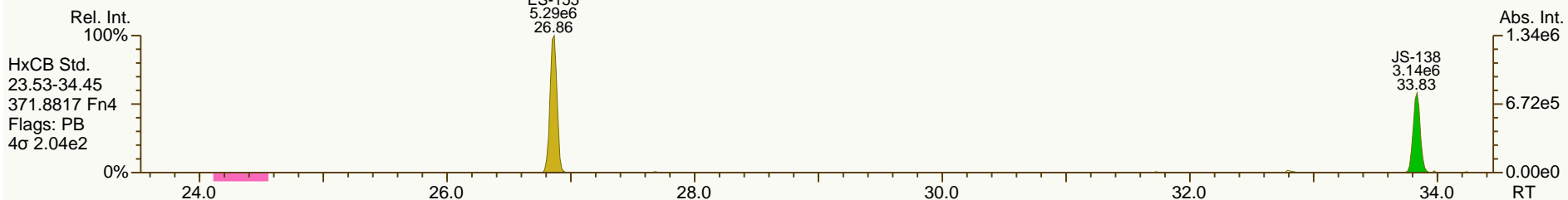
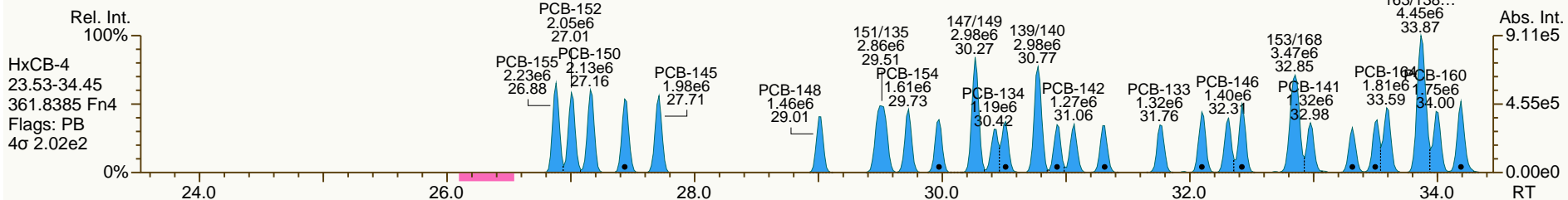
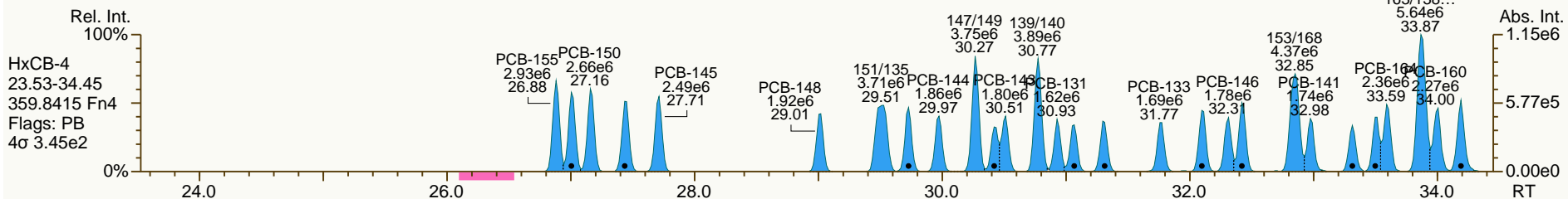
Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

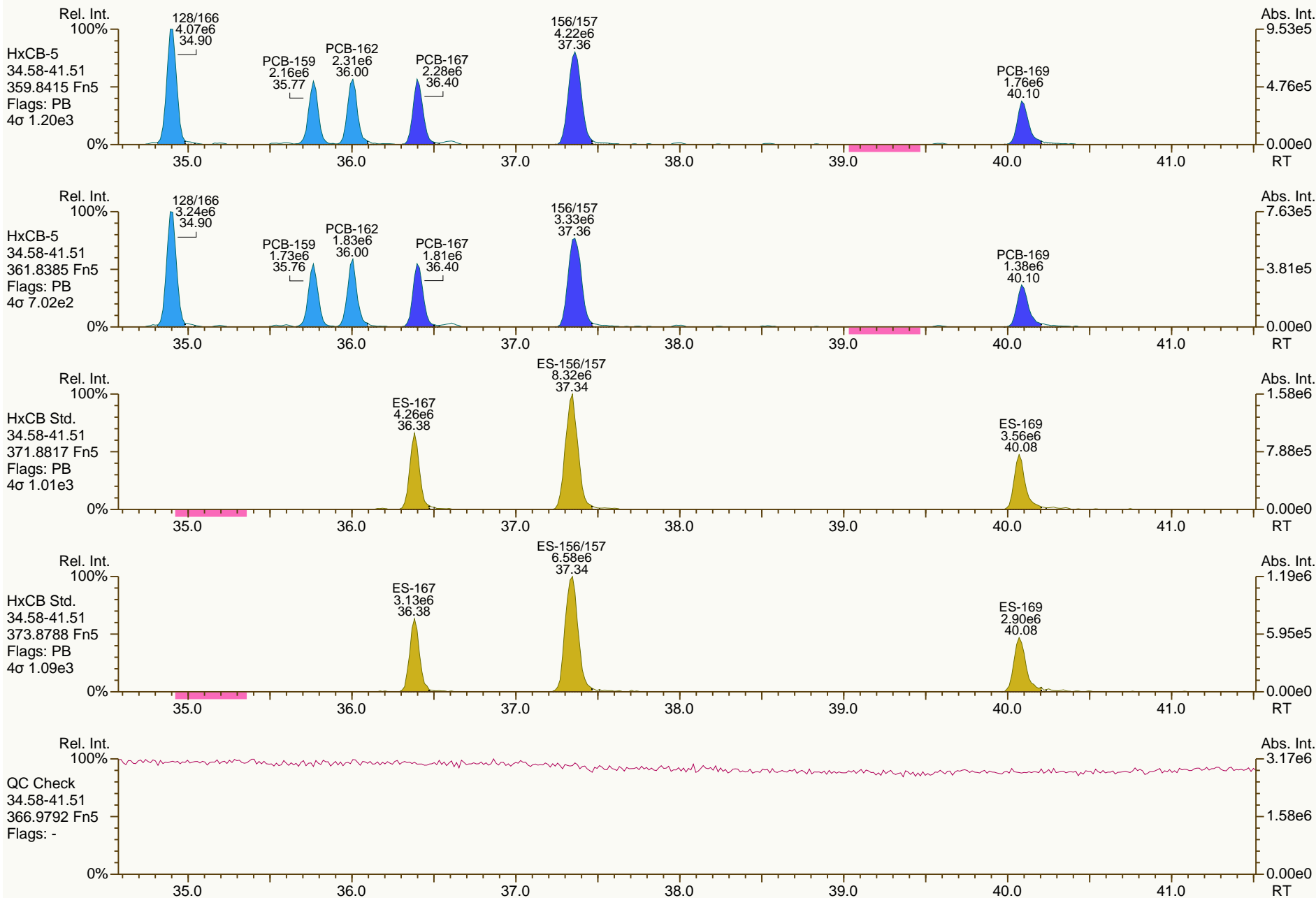
Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

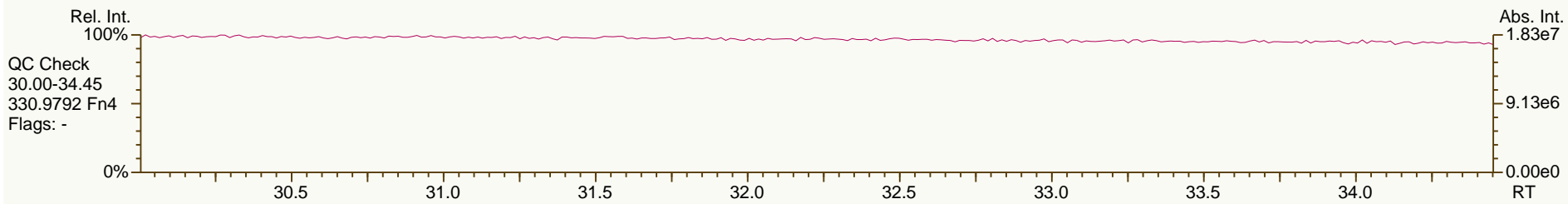
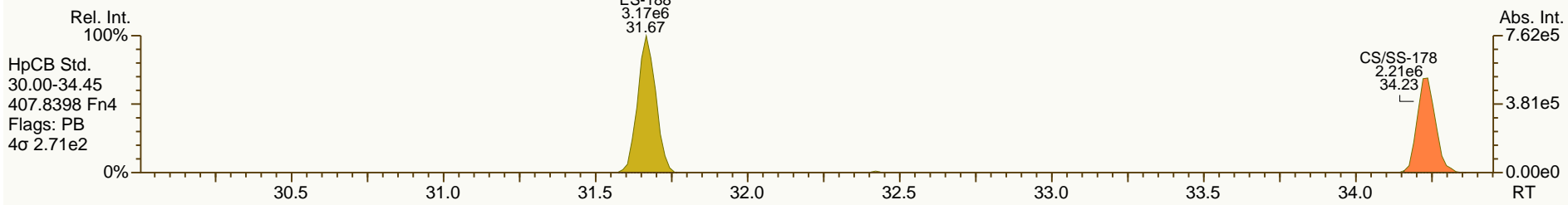
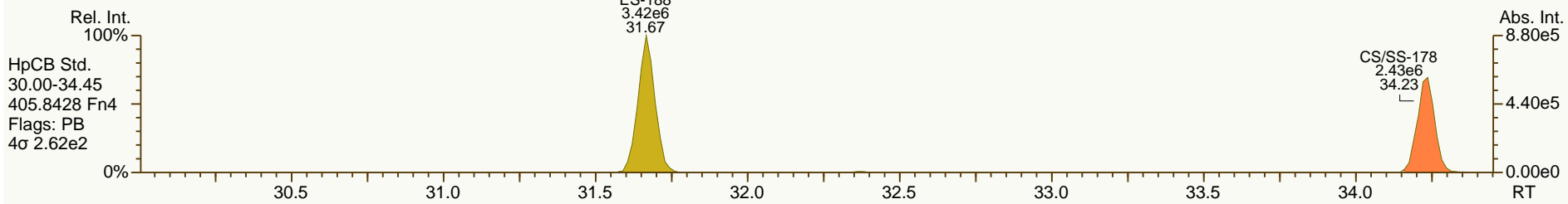
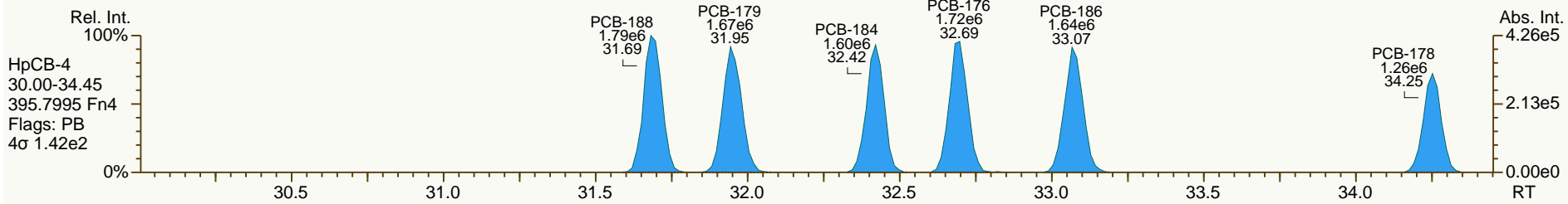
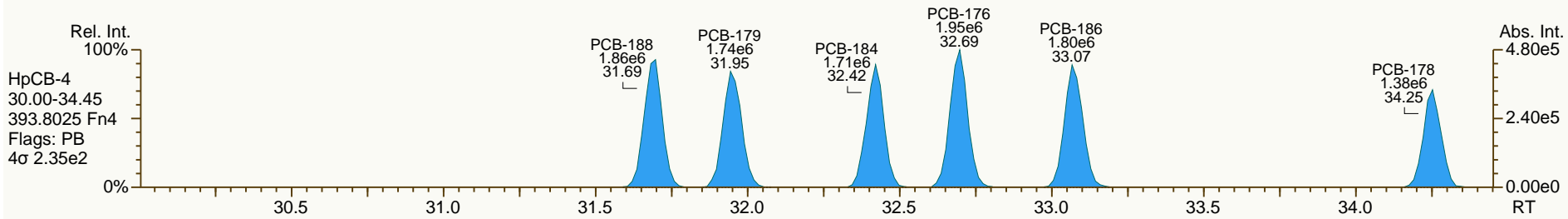
Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

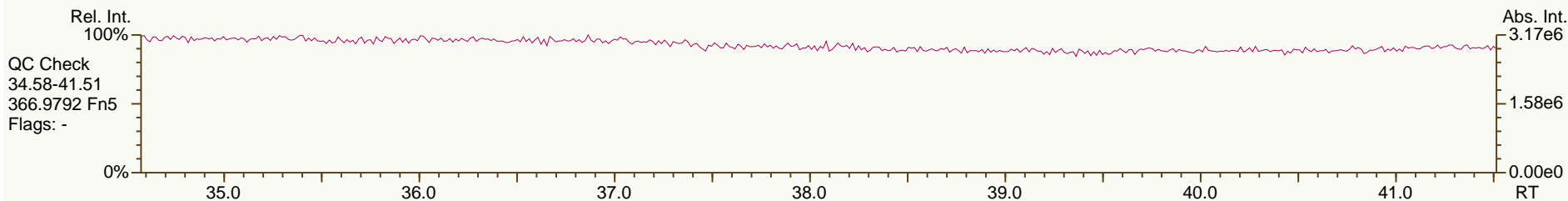
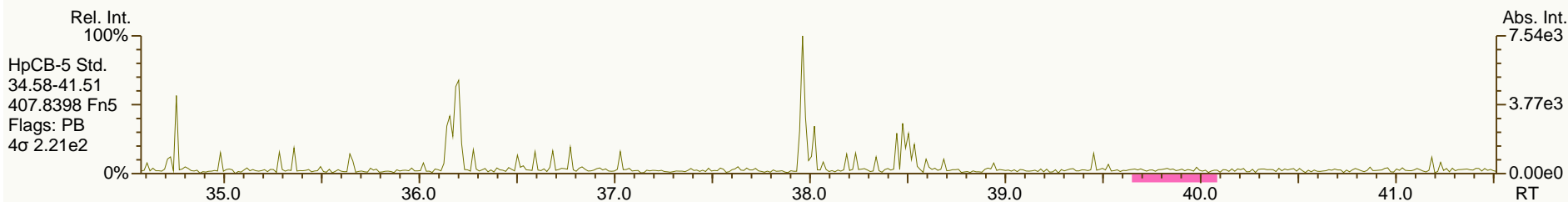
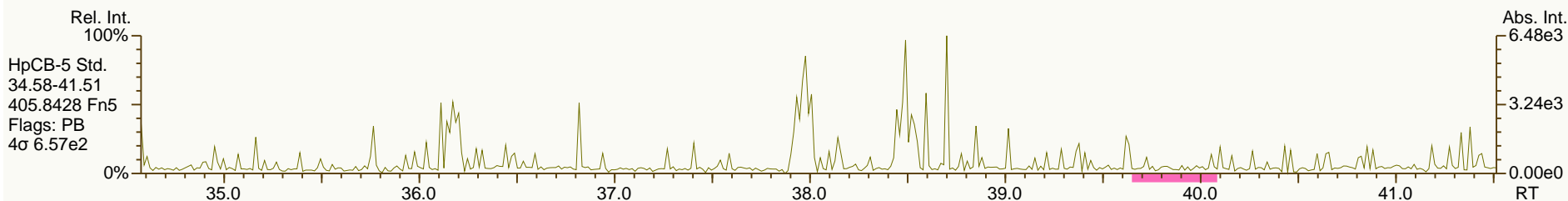
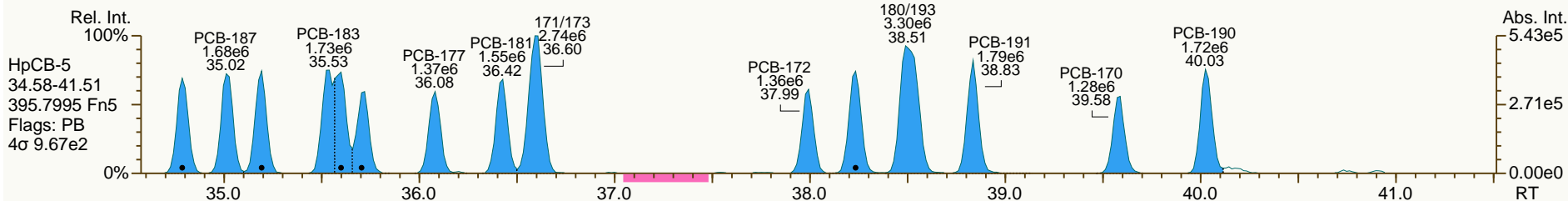
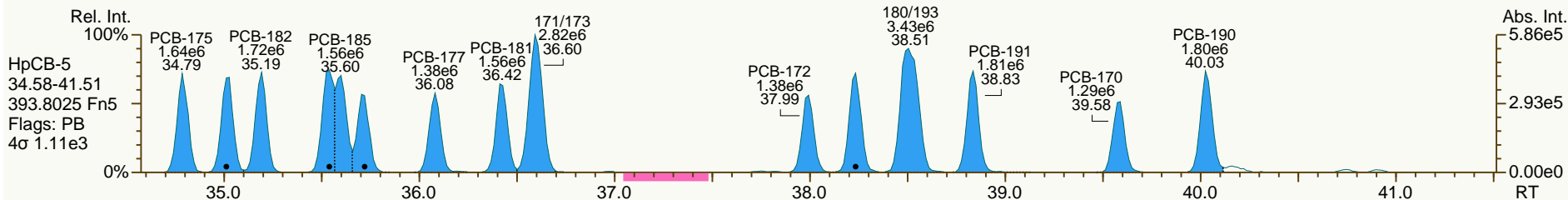
Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

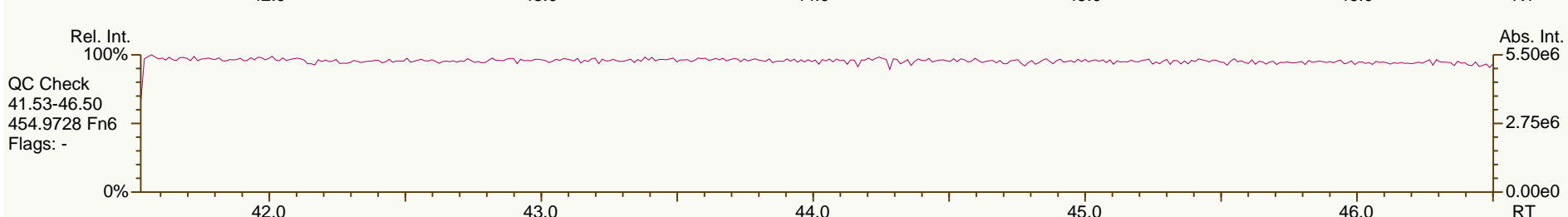
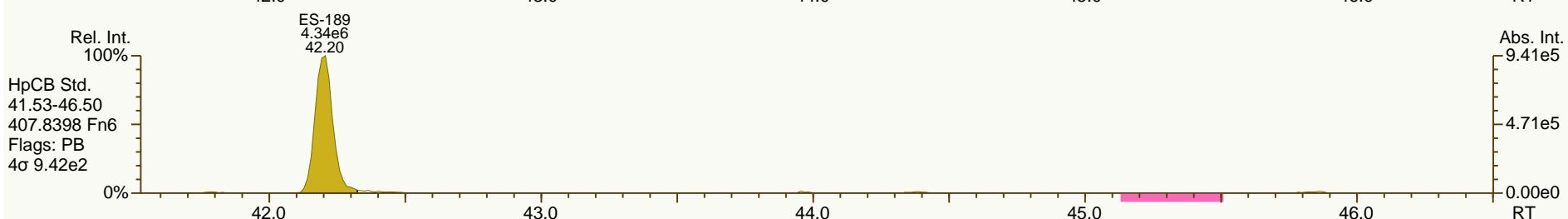
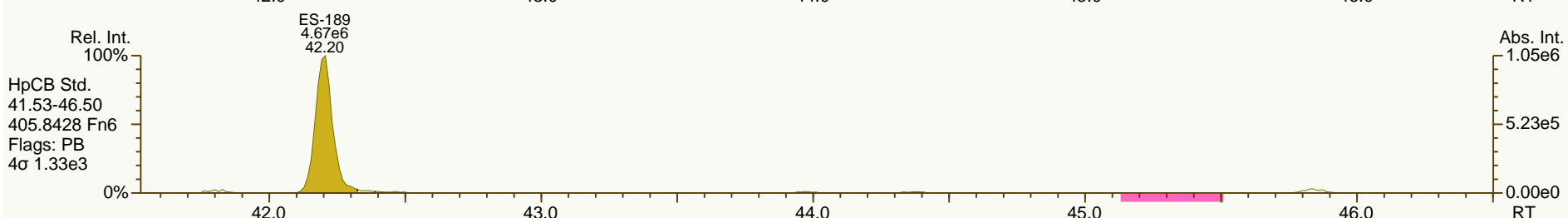
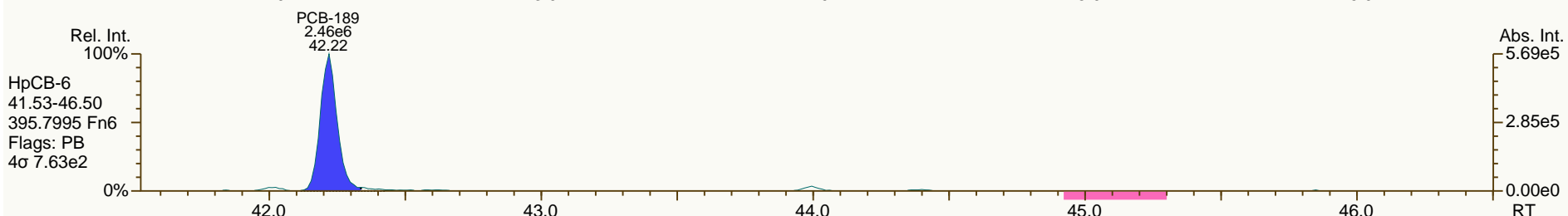
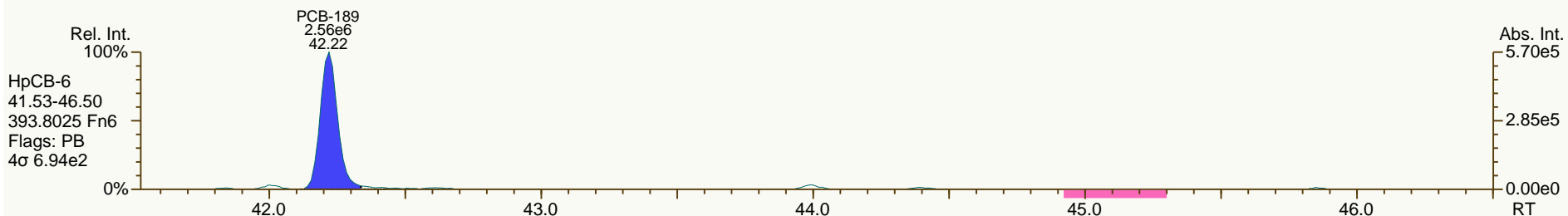
Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

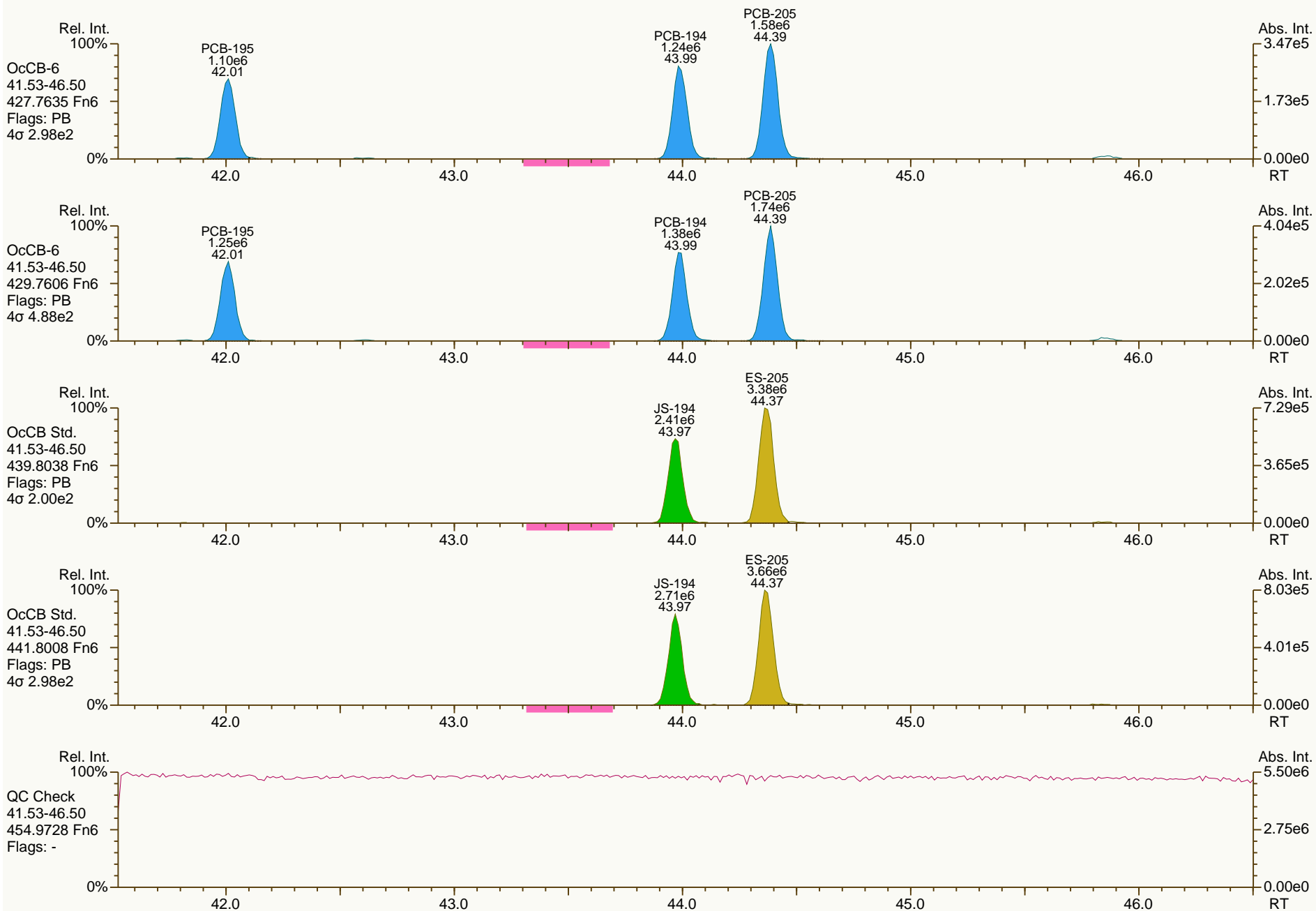
Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

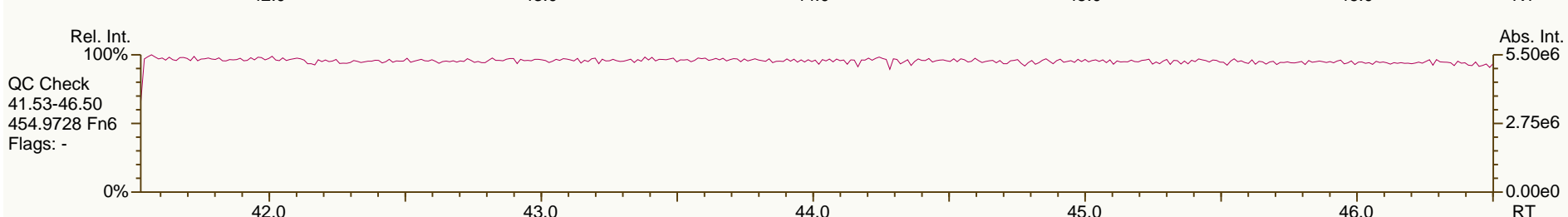
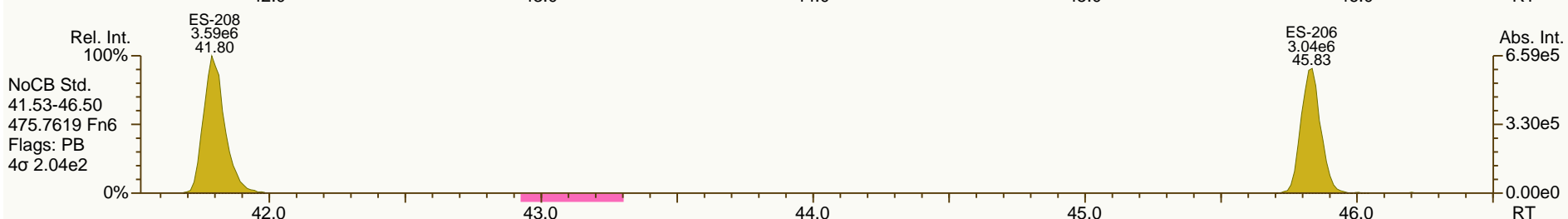
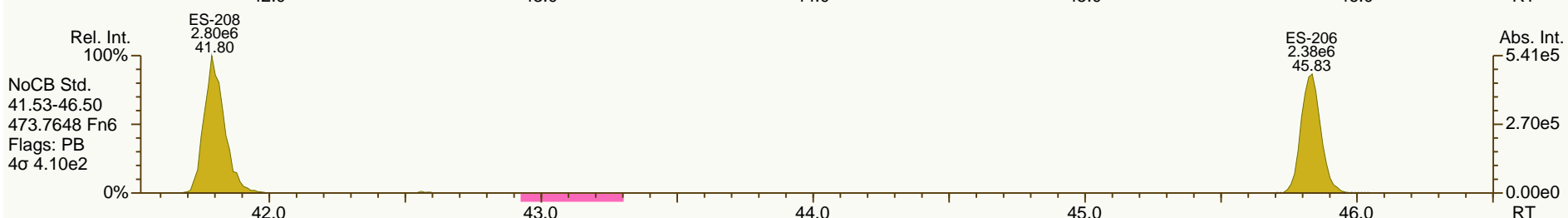
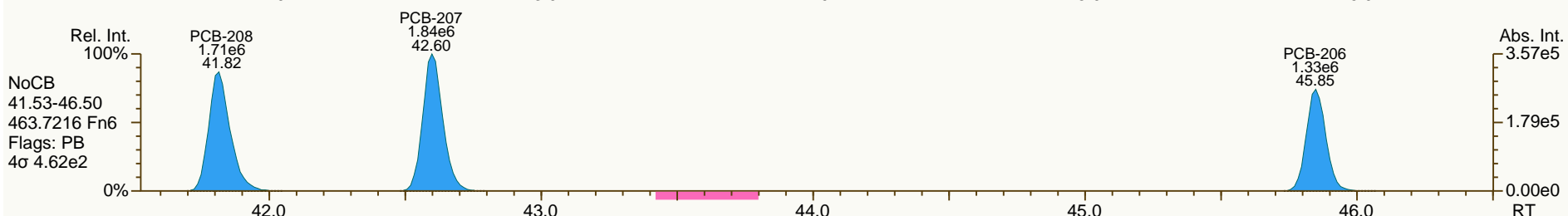
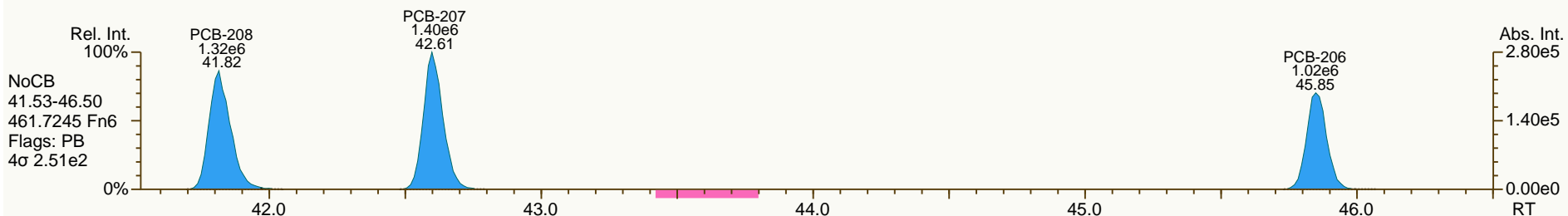
Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

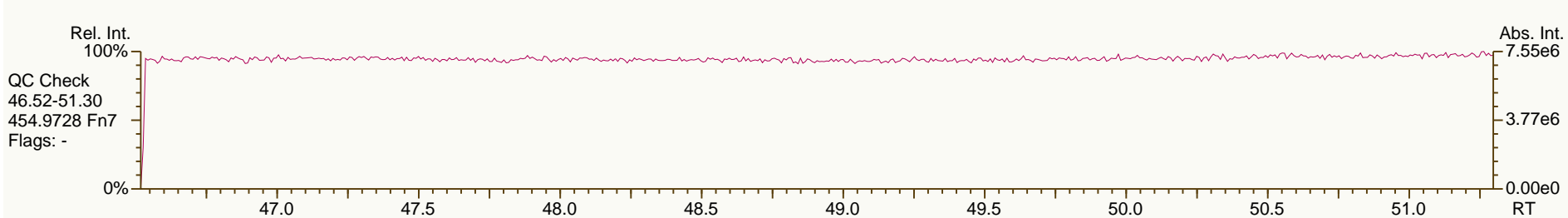
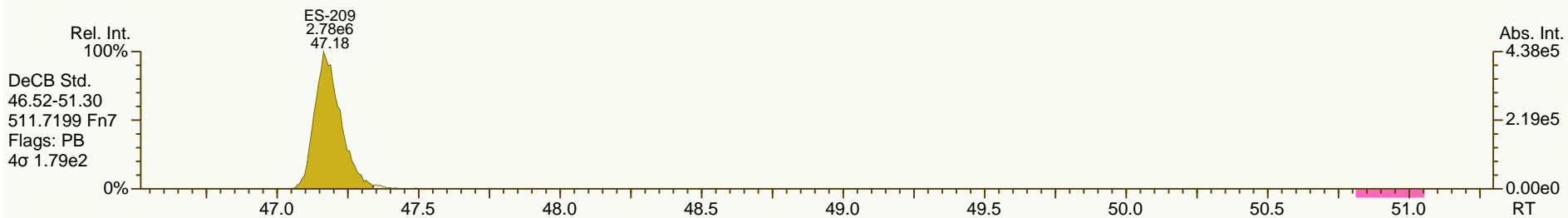
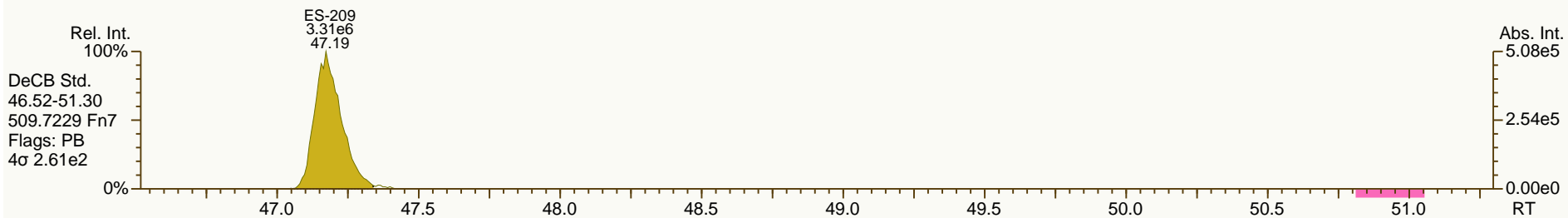
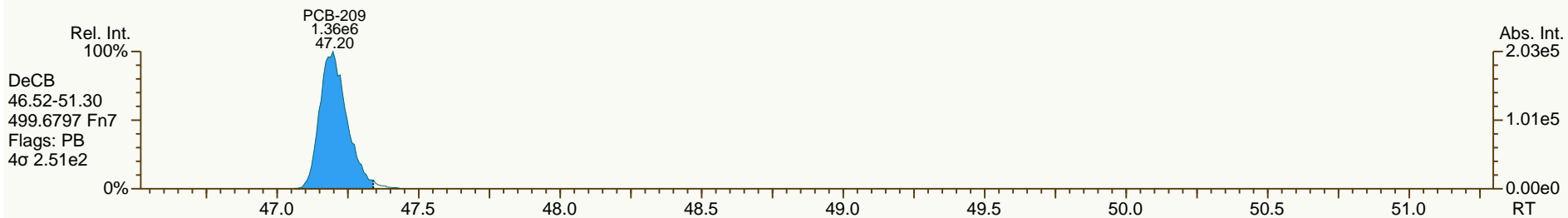
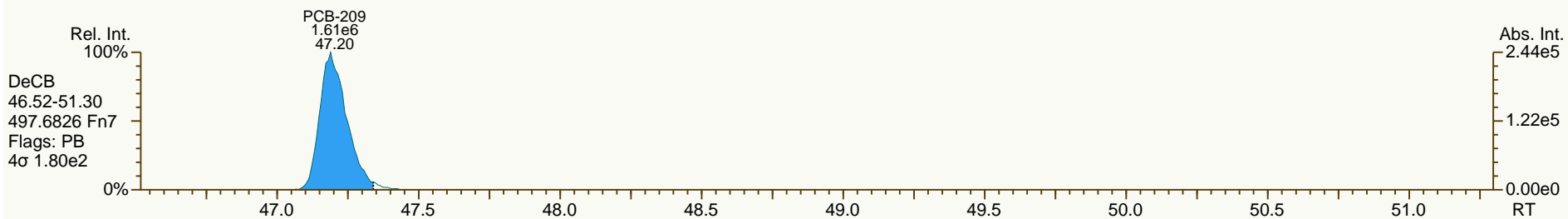
Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

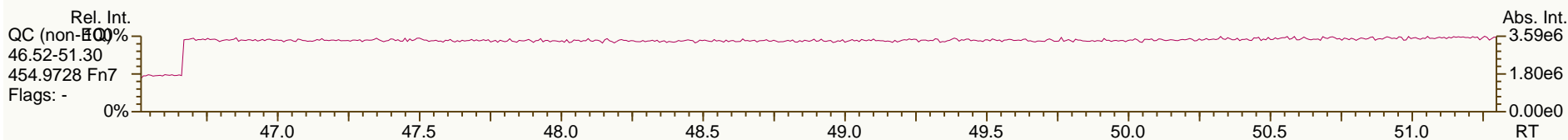
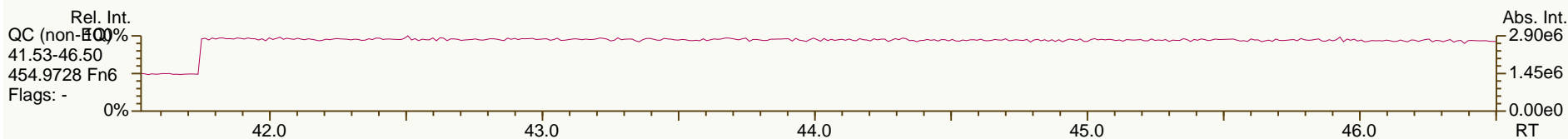
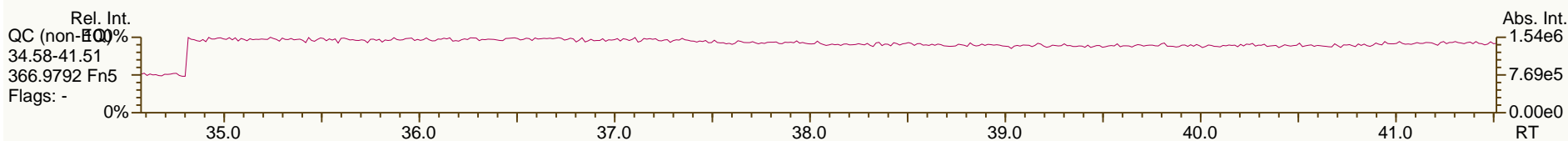
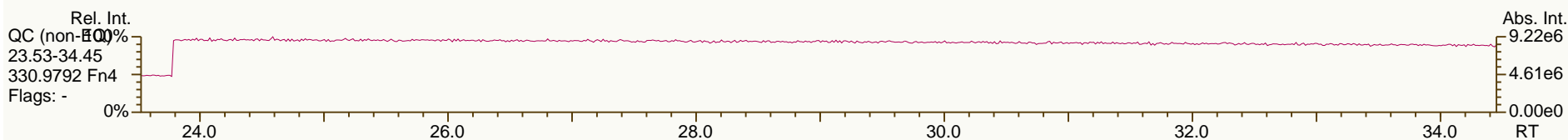
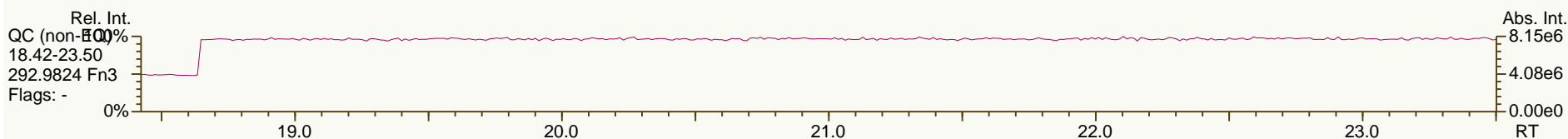
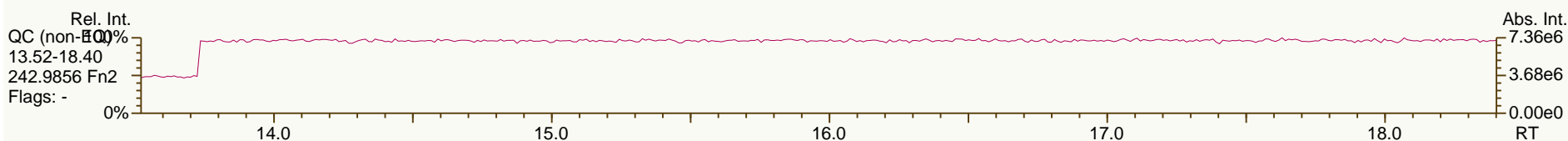
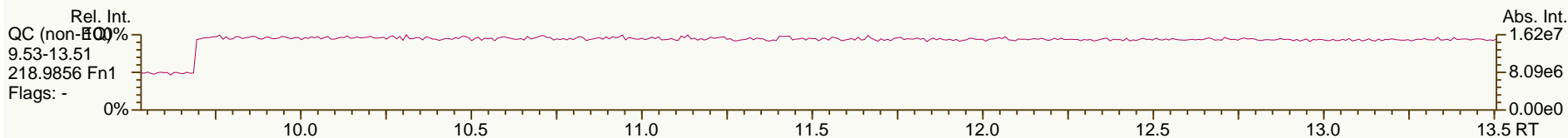
Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

Acq: 05-Jul-2012 11:33:26
User: LKB Datafile: 120705S01



PCB QC Summary		SGS Analytical Perspectives			Processed: 9-Jul-2012 15:12		
Lab ID:	CS3_120705_PCB_SB						
Acquired:	05-JUL-2012 20:06		ICAL: MM4_PCB_01102012_26JAN12				
Datafile:	120705S10						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.26	8.14E+06	0.80 Y	1.22	1.20	-1.9%	
PCB-81 344'5'-TeCB	28.79	7.82E+06	0.78 Y	1.24	1.11	-11.1%	
PCB-105 233'44'-PeCB	32.20	4.70E+06	0.62 Y	1.03	0.97	-5.3%	
PCB-114 2344'5'-PeCB	31.67	5.12E+06	0.61 Y	1.10	1.05	-3.9%	
PCB-118 23'44'5'-PeCB	31.23	5.03E+06	0.62 Y	1.03	0.98	-5.3%	
PCB-123 2'344'5'-PeCB	30.95	5.45E+06	0.60 Y	0.93	1.05	13.3%	
PCB-126 33'44'5'-PeCB	34.81	6.35E+06	0.62 Y	1.11	1.04	-6.3%	
PCB-156/157 233'44'5'/233'44'5'	37.35	8.92E+06	1.28 Y	1.05	1.10	5.7%	
PCB-167 23'44'55'-HxCB	36.39	4.63E+06	1.28 Y	1.08	1.14	5.6%	
PCB-169 33'44'55'-HxCB	40.08	4.39E+06	1.31 Y	1.04	1.06	1.5%	
PCB-189 233'44'55'-HpCB	42.21	6.58E+06	1.03 Y	1.11	1.15	3.4%	
PCB-209 DeCB	47.19	3.01E+06	1.17 Y	1.05	1.04	-0.5%	
ES PCB-1	9.83	1.54E+07	3.39 Y	1.01	0.84	-17.5%	
ES PCB-3	11.77	1.49E+07	3.38 Y	1.05	0.81	-23.1%	
ES PCB-4	11.97	9.10E+06	1.61 Y	0.70	0.49	-29.1%	
ES PCB-15	17.08	1.97E+07	1.65 Y	1.17	1.07	-8.3%	
ES PCB-19	14.66	8.91E+06	1.06 Y	0.57	0.48	-14.6%	
ES PCB-37	23.07	1.33E+07	1.09 Y	1.41	1.55	9.9%	
ES PCB-54	17.30	1.10E+07	0.79 Y	1.32	1.28	-3.4%	
ES PCB-77	29.24	1.36E+07	0.80 Y	1.22	1.57	29.3%	
ES PCB-81	28.78	1.41E+07	0.80 Y	1.15	1.64	42.7%	
ES PCB-104	22.02	9.34E+06	1.56 Y	1.69	1.15	-31.9%	
ES PCB-105	32.18	9.67E+06	1.59 Y	1.21	1.19	-1.5%	
ES PCB-114	31.65	9.72E+06	1.61 Y	1.23	1.20	-3.0%	
ES PCB-118	31.21	1.03E+07	1.56 Y	1.25	1.26	1.4%	
ES PCB-123	30.93	1.04E+07	1.59 Y	1.33	1.28	-3.6%	
ES PCB-126	34.79	1.22E+07	1.73 Y	1.36	1.50	10.3%	
ES PCB-153	-	-	-	-	-	-	
ES PCB-155	26.85	1.03E+07	1.28 Y	1.40	1.49	6.4%	
ES PCB-156/157	37.33	1.62E+07	1.25 Y	1.13	1.18	3.9%	
ES PCB-167	36.37	8.12E+06	1.24 Y	1.13	1.18	4.6%	
ES PCB-169	40.06	8.29E+06	1.28 Y	1.14	1.21	5.6%	
ES PCB-170	-	-	-	-	-	-	
ES PCB-180	-	-	-	-	-	-	
ES PCB-188	31.66	7.90E+06	1.03 Y	1.34	1.15	-14.3%	
ES PCB-189	42.19	1.15E+07	1.06 Y	1.77	2.10	19.2%	
ES PCB-202	36.17	7.97E+06	0.87 Y	1.27	1.16	-8.7%	
ES PCB-205	44.35	7.40E+06	0.93 Y	1.25	1.36	8.8%	
ES PCB-206	45.82	5.14E+06	0.77 Y	1.07	0.94	-11.7%	
ES PCB-208	41.79	6.40E+06	0.81 Y	1.34	1.17	-12.2%	
ES PCB-209	47.17	5.76E+06	1.20 Y	1.18	1.06	-10.8%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 9-Jul-2012 15:12		
Lab ID:	CS3_120705_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 20:06						
Datafile:	120705S10						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.67	1.59E+07	1.08 Y	0.98	1.19	21.6%	
SS PCB-111	29.30	1.08E+07	1.65 Y	0.90	1.04	15.7%	
SS PCB-178	34.22	5.64E+06	1.05 Y	0.65	0.71	10.2%	
CS PCB-28	19.67	1.59E+07	1.08 Y	1.39	1.85	33.7%	
CS PCB-111	29.30	1.08E+07	1.65 Y	1.19	1.33	11.6%	
CS PCB-178	34.22	5.64E+06	1.05 Y	0.87	0.82	-5.5%	
JS PCB-9	13.71	1.84E+07	1.66 Y		-	-	
JS PCB-52	21.22	8.60E+06	0.76 Y		-	-	
JS PCB-101	27.03	8.13E+06	1.66 Y		-	-	
JS PCB-138	33.82	6.87E+06	1.33 Y		-	-	
JS PCB-194	43.95	5.45E+06	0.91 Y		-	-	
PCB-1 2-MoCB	9.84	1.05E+07	3.19 Y	1.20	1.37	14.3%	
PCB-3 4-MoCB	11.78	1.06E+07	3.27 Y	1.13	1.43	26.4%	
PCB-4 22'-DiCB	11.98	4.73E+06	1.53 Y	0.94	1.04	10.1%	
PCB-15 44'-DiCB	17.10	1.06E+07	1.53 Y	1.01	1.07	6.8%	
PCB-19 22'6'-TrCB	14.68	4.29E+06	1.03 Y	1.01	0.96	-4.8%	
PCB-37 344'-TrCB	23.09	8.68E+06	1.07 Y	1.20	1.30	8.6%	
PCB-54 22'66'-TeCB	17.32	5.05E+06	0.77 Y	0.93	0.92	-1.5%	
PCB-104 22'466'-PeCB	22.04	4.93E+06	0.61 Y	0.92	1.06	15.2%	
PCB-155 22'44'66'-HxCB	26.87	5.42E+06	1.29 Y	1.06	1.06	0.1%	
PCB-188 22'34'566'-HpCB	31.68	4.40E+06	1.07 Y	1.07	1.12	4.7%	
PCB-202 22'33'55'66'-OcCB	36.19	3.34E+06	0.90 Y	0.83	0.84	1.4%	
PCB-205 233'44'55'6'-OcCB	44.37	3.67E+06	0.90 Y	1.09	0.99	-9.2%	
PCB-208 22'33'455'66'-NoCB	41.81	3.12E+06	0.78 Y	0.98	0.98	-0.1%	
PCB-206 22'33'44'55'6'-NoCB	45.84	2.32E+06	0.77 Y	0.93	0.90	-3.5%	

PCB QC Summary - Ax2 Detail				Processed: 9-Jul-2012 15:12			
Lab ID:	CS3_120705_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 20:06						
Datafile:	120705S10						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	9.84	1.05E+07	3.19 Y	1.20	-	-	
PCB-2 3-MoCB	11.62	1.04E+07	3.33 Y	1.13	1.39	23.2%	
PCB-3 4-MoCB	11.78	1.06E+07	3.27 Y	1.13	-	-	
PCB-4 22'-DiCB	11.98	4.73E+06	1.53 Y	0.94	-	-	
PCB-10 26'-DiCB	12.14	7.11E+06	1.58 Y	1.43	1.56	9.2%	
PCB-9 25'-DiCB	13.72	9.21E+06	1.54 Y	0.87	0.93	7.5%	
PCB-7 24'-DiCB	13.87	1.08E+07	1.54 Y	1.00	1.10	9.5%	
PCB-6 23'-DiCB	14.07	9.96E+06	1.55 Y	0.94	1.01	7.5%	
PCB-5 23'-DiCB	14.33	1.00E+07	1.53 Y	0.92	1.02	10.4%	
PCB-8 24'-DiCB	14.44	1.03E+07	1.55 Y	0.95	1.05	10.3%	
PCB-14 35'-DiCB	15.86	1.19E+07	1.54 Y	1.09	1.20	9.9%	
PCB-11 33'-DiCB	16.57	1.02E+07	1.53 Y	0.98	1.04	6.0%	
PCB-13/12 34'-/34'-DiCB	16.84	2.04E+07	1.54 Y	0.97	1.03	6.6%	
PCB-15 44'-DiCB	17.10	1.06E+07	1.53 Y	1.01	-	-	
PCB-19 22'6'-TrCB	14.68	4.29E+06	1.03 Y	1.01	-	-	
PCB-30/18 246-/22'5'-TrCB	16.30	1.18E+07	1.03 Y	1.29	1.32	2.0%	
PCB-17 22'4'-TrCB	16.66	5.01E+06	1.04 Y	1.14	1.12	-1.0%	
PCB-27 23'6'-TrCB	16.84	6.50E+06	1.05 Y	1.48	1.46	-1.7%	
PCB-24 236'-TrCB	16.95	6.61E+06	1.04 Y	1.43	1.48	3.6%	
PCB-16 22'3'-TrCB	17.04	3.89E+06	1.03 Y	0.89	0.87	-2.3%	
PCB-32 24'6'-TrCB	17.49	6.94E+06	1.03 Y	1.56	1.56	-0.1%	
PCB-34 2'35'-TrCB	18.59	9.11E+06	1.06 Y	1.18	1.37	15.8%	
PCB-23 235'-TrCB	18.72	9.57E+06	1.06 Y	1.19	1.43	21.0%	
PCB-26/29 23'5'-/245'-TrCB	18.99	1.91E+07	1.06 Y	1.20	1.43	19.2%	
PCB-25 23'4'-TrCB	19.17	9.56E+06	1.07 Y	1.19	1.43	20.2%	
PCB-31 24'5'-TrCB	19.44	9.93E+06	1.07 Y	1.23	1.49	21.4%	
PCB-28/20 244'-/233'-TrCB	19.70	1.83E+07	1.06 Y	1.18	1.37	16.1%	
PCB-21/33 234'-/2'34'-TrCB	19.86	1.93E+07	1.05 Y	1.21	1.45	19.0%	
PCB-22 234'-TrCB	20.22	8.61E+06	1.07 Y	1.11	1.29	15.8%	
PCB-36 33'5'-TrCB	21.57	9.20E+06	1.08 Y	1.21	1.38	13.6%	
PCB-39 34'5'-TrCB	21.87	9.53E+06	1.03 Y	1.32	1.43	8.5%	
PCB-38 345'-TrCB	22.35	8.57E+06	1.08 Y	1.15	1.28	11.2%	
PCB-35 33'4'-TrCB	22.75	8.41E+06	1.06 Y	1.13	1.26	11.1%	
PCB-37 344'-TrCB	23.09	8.68E+06	1.07 Y	1.20	-	-	
PCB-54 22'66'-TeCB	17.32	5.05E+06	0.77 Y	0.93	-	-	
PCB-50/53 22'46-/22'56'-TeCB	19.20	9.10E+06	0.77 Y	0.83	0.64	-22.7%	
PCB-45 22'36'-TeCB	19.74	4.02E+06	0.76 Y	0.71	0.57	-19.4%	
PCB-51 22'46'-TeCB	19.82	4.51E+06	0.78 Y	0.88	0.64	-27.4%	
PCB-46 22'36'-TeCB	20.01	3.74E+06	0.77 Y	0.69	0.53	-23.9%	
PCB-52 22'55'-TeCB	21.24	4.35E+06	0.77 Y	0.80	0.62	-23.4%	
PCB-73 23'5'6TeCB	21.36	5.77E+06	0.77 Y	1.03	0.82	-21.0%	

Lab ID: - Ax2 Detail		Processed: 9-Jul-2012 15:12					
Lab ID:	CS3_120705_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 20:06						
Datafile:	120705S10						
Name	RT	Response	RA		RRF		
PCB-43 22'35'-TeCB	21.44	3.99E+06	0.79 Y	0.71	0.56	-20.1%	
PCB-69/49 23'46-/22'45'TeCB	21.64	1.09E+07	0.78 Y	0.96	0.77	-19.5%	
PCB-48 22'45'-TeCB	21.90	4.62E+06	0.78 Y	0.84	0.65	-21.7%	
PCB-44/47/65 22'35'-/22'44'-	22.10	1.47E+07	0.78 Y	0.86	0.69	-19.6%	
PCB-59/62/75 233'6-/2346-/24	22.37	1.84E+07	0.77 Y	1.09	0.87	-20.5%	
PCB-42 22'34'-TeCB	22.52	4.42E+06	0.78 Y	0.77	0.63	-18.3%	
PCB-41 22'34'-TeCB	22.83	3.91E+06	0.77 Y	0.73	0.55	-23.7%	
PCB-71/40 23'4'6/22'33'-TeCB	22.93	9.50E+06	0.80 Y	0.81	0.67	-17.5%	
PCB-64 234'6'-TeCB	23.13	6.65E+06	0.81 Y	1.17	0.94	-19.4%	
PCB-72 23'55'-TeCB	23.86	7.86E+06	0.77 Y	1.25	1.11	-11.2%	
PCB-68 23'45'-TeCB	24.11	8.53E+06	0.78 Y	1.36	1.21	-11.5%	
PCB-57 233'5'-TeCB	24.46	7.70E+06	0.77 Y	1.22	1.09	-11.1%	
PCB-58 233'5'-TeCB	24.65	7.75E+06	0.78 Y	1.26	1.10	-12.7%	
PCB-67 23'45'-TeCB	24.80	8.04E+06	0.78 Y	1.27	1.14	-10.8%	
PCB-63 234'5'-TeCB	25.02	8.47E+06	0.79 Y	1.34	1.20	-10.3%	
PCB-61/70/74/76 2345-/23'4'5	25.29	3.22E+07	0.78 Y	1.24	1.14	-8.3%	
PCB-66 23'44'-TeCB	25.57	7.51E+06	0.79 Y	1.19	1.06	-10.6%	
PCB-55 233'4'-TeCB	25.70	8.04E+06	0.78 Y	1.22	1.14	-6.6%	
PCB-56 233'4'-TeCB	26.13	7.51E+06	0.77 Y	1.18	1.06	-9.8%	
PCB-60 2344'-TeCB	26.31	8.07E+06	0.77 Y	1.24	1.14	-7.8%	
PCB-80 33'55'-TeCB	26.69	8.69E+06	0.77 Y	1.37	1.23	-10.5%	
PCB-79 33'45'-TeCB	27.96	8.62E+06	0.78 Y	1.37	1.22	-10.9%	
PCB-78 33'45'-TeCB	28.43	7.41E+06	0.80 Y	1.19	1.05	-12.2%	
PCB-104 22'466'-PeCB	22.04	4.93E+06	0.61 Y	0.92	-	-	
PCB-96 22'366'-PeCB	22.33	4.30E+06	0.62 Y	0.81	0.92	13.6%	
PCB-103 22'45'6'-PeCB	24.01	4.06E+06	0.60 Y	0.78	0.78	0.7%	
PCB-94 22'356'-PeCB	24.18	3.52E+06	0.60 Y	0.71	0.68	-4.9%	
PCB-95 22'35'6'-PeCB	24.54	3.62E+06	0.59 Y	0.74	0.70	-6.1%	
PCB-100/93 22'44'6-/22'356-P	24.75	7.57E+06	0.60 Y	0.75	0.73	-2.4%	
PCB-102 22'456'-PeCB	24.86	4.46E+06	0.60 Y	0.75	0.86	14.5%	
PCB-98 22'3'46'-PeCB	24.92	3.46E+06	0.60 Y	0.71	0.67	-6.4%	
PCB-88 22'346'-PeCB	25.20	3.45E+06	0.59 Y	0.66	0.66	-0.2%	
PCB-91 22'34'6'-PeCB	25.27	4.26E+06	0.63 Y	0.84	0.82	-2.2%	
PCB-84 22'33'6'-PeCB	25.45	3.29E+06	0.62 Y	0.65	0.63	-2.5%	
PCB-89 22'346'-PeCB	25.85	3.42E+06	0.62 Y	0.69	0.66	-4.3%	
PCB-121 23'45'6'-PeCB	26.25	5.15E+06	0.62 Y	0.98	0.99	0.7%	
PCB-92 22'355'-PeCB	26.55	3.63E+06	0.61 Y	0.72	0.70	-2.6%	
PCB-113/90/101 233'5'6-/22'3	27.02	1.28E+07	0.60 Y	0.81	0.82	1.3%	
PCB-83 22'33'5'-PeCB	27.43	3.09E+06	0.59 Y	0.62	0.60	-4.4%	

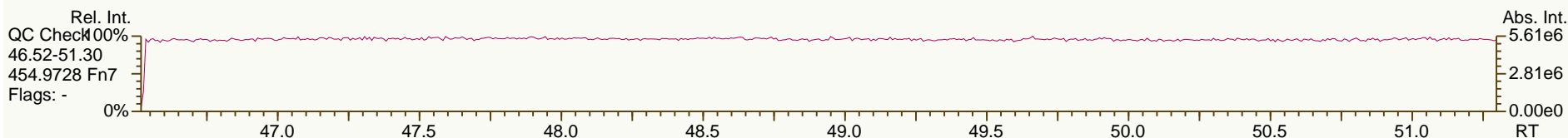
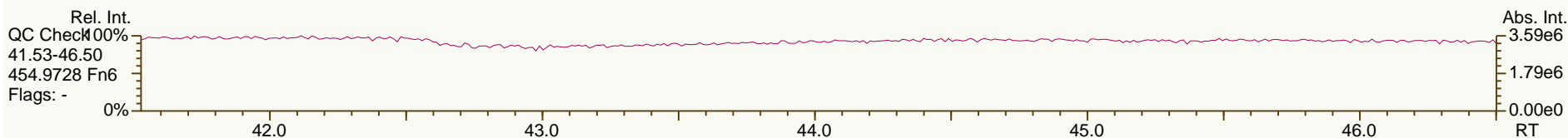
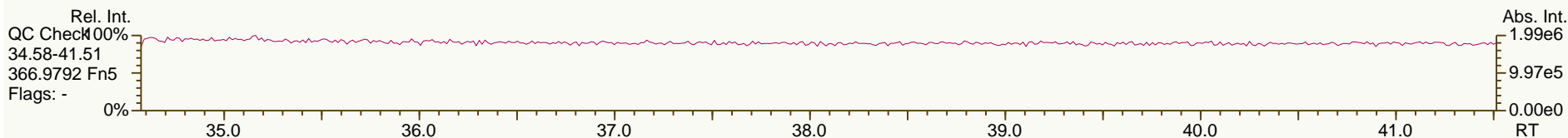
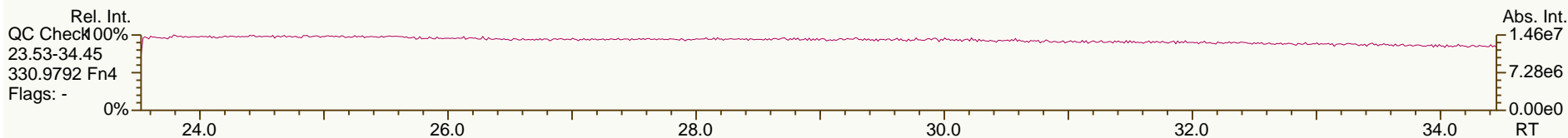
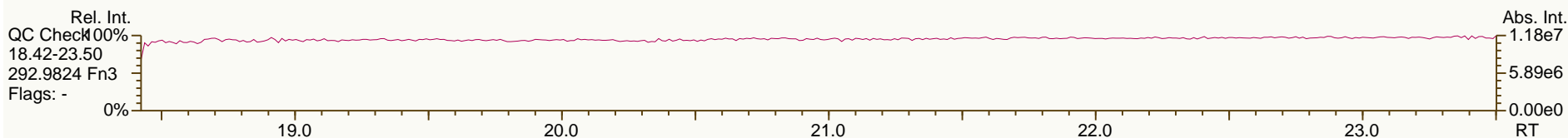
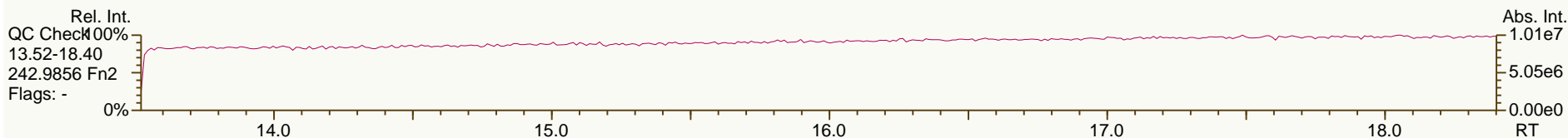
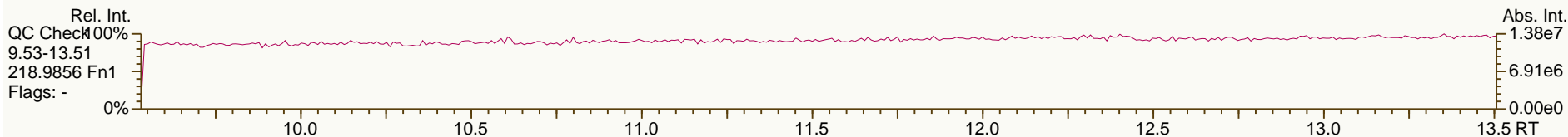
Lab ID: - Ax2 Detail		Processed: 9-Jul-2012 15:12					
Lab ID:	CS3_120705_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 20:06						
Datafile:	120705S10						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	27.54	3.74E+06	0.59 Y	0.76	0.72	-5.9%	
PCB-112 233'56-PeCB	27.63	4.90E+06	0.61 Y	0.96	0.94	-2.2%	
PCB-109/119/86/97/125...-PeCB	27.96	2.63E+07	0.59 Y	0.83	0.84	2.1%	
PCB-117 234'56-PeCB	28.48	4.47E+06	0.59 Y	0.94	0.86	-8.4%	
PCB-116/85 23456-/22'344'-Pe	28.56	9.16E+06	0.60 Y	0.81	0.88	9.0%	
PCB-110 233'46-PeCB	28.69	4.52E+06	0.61 Y	0.92	0.87	-5.5%	
PCB-115 2344'6-PeCB	28.77	5.20E+06	0.61 Y	0.95	1.00	5.5%	
PCB-82 22'33'4-PeCB	28.95	3.24E+06	0.59 Y	0.62	0.62	1.0%	
PCB-111 233'55'-PeCB	29.33	5.17E+06	0.60 Y	0.98	0.99	0.9%	
PCB-120 23'455'-PeCB	29.71	5.10E+06	0.61 Y	0.99	0.98	-1.1%	
PCB-108/124 ...-PeCB	30.65	9.60E+06	0.60 Y	0.92	0.92	0.4%	
PCB-107 233'45-PeCB	30.85	4.70E+06	0.61 Y	1.00	0.90	-9.2%	
PCB-106 233'45-PeCB	31.05	4.79E+06	0.62 Y	0.96	0.92	-4.2%	
PCB-122 2'33'45-PeCB	31.51	4.58E+06	0.62 Y	0.93	0.94	1.8%	
PCB-127 33'455'-PeCB	33.47	4.78E+06	0.63 Y	1.04	0.99	-5.0%	
PCB-155 22'44'66'-HxCB	26.87	5.42E+06	1.29 Y	1.06	-	-	
PCB-152 22'3566'-HxCB	26.99	5.09E+06	1.22 Y	0.98	0.99	0.9%	
PCB-150 22'34'66'-HxCB	27.15	5.16E+06	1.28 Y	0.99	1.01	2.0%	
PCB-136 22'33'66'-HxCB	27.43	4.70E+06	1.24 Y	0.92	0.92	-0.3%	
PCB-145 22'3466'HxCB	27.69	4.88E+06	1.30 Y	0.94	0.95	1.4%	
PCB-148 22'34'56'-HxCB	29.00	3.76E+06	1.28 Y	0.73	0.73	0.1%	
PCB-151/135 22'355'6-/22'33'	29.50	7.34E+06	1.30 Y	0.71	0.72	0.7%	
PCB-154 22'44'5'6'-HxCB	29.71	4.14E+06	1.25 Y	0.78	0.81	2.7%	
PCB-144 22'345'6'-HxCB	29.96	3.78E+06	1.27 Y	0.72	0.74	2.3%	
PCB-147/149 22'34'56-/22'34'	30.26	7.69E+06	1.30 Y	0.72	0.75	3.5%	
PCB-134 22'33'56'-HxCB	30.41	3.05E+06	1.27 Y	0.61	0.59	-2.1%	
PCB-143 22'3456'-HxCB	30.49	3.67E+06	1.32 Y	0.69	0.72	3.3%	
PCB-139/140 22'344'6-/22'344'	30.76	7.90E+06	1.29 Y	0.73	0.77	4.8%	
PCB-131 22'33'46'-HxCB	30.92	3.35E+06	1.34 Y	0.65	0.65	0.8%	
PCB-142 22'3456'-HxCB	31.05	3.51E+06	1.25 Y	0.67	0.68	1.4%	
PCB-132 22'33'46'-HxCB	31.29	3.42E+06	1.30 Y	0.68	0.67	-1.8%	
PCB-133 22'33'55'-HxCB	31.75	3.53E+06	1.25 Y	0.69	0.69	-0.2%	
PCB-165 233'55'6'-HxCB	32.09	4.36E+06	1.28 Y	0.82	0.85	3.1%	
PCB-146 22'34'55'-HxCB	32.30	3.89E+06	1.26 Y	0.73	0.76	3.8%	
PCB-161 233'45'6'-HxCB	32.41	4.75E+06	1.30 Y	0.93	0.93	-0.1%	
PCB-153/168 22'44'55'-/23'44'	32.84	9.33E+06	1.27 Y	0.89	0.91	2.3%	
PCB-141 22'3455'-HxCB	32.97	3.75E+06	1.29 Y	0.71	0.73	3.3%	
PCB-130 22'33'45'-HxCB	33.30	3.24E+06	1.29 Y	0.64	0.63	-0.8%	
PCB-137 22'344'5'-HxCB	33.50	4.17E+06	1.30 Y	0.78	0.81	4.4%	
PCB-164 233'4'5'6'-HxCB	33.59	4.58E+06	1.32 Y	0.88	0.89	1.5%	
PCB-163/138/129 233'4'56-/22'	33.86	1.21E+07	1.29 Y	0.76	0.78	3.0%	

Lab ID: - Ax2 Detail				Processed: 9-Jul-2012 15:12			
Lab ID:	CS3_120705_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 20:06						
Datafile:	120705S10						
Name	RT	Response	RA		RRF		
PCB-160 233'456'-HxCB	33.99	4.47E+06	1.31 Y	0.88	0.87	-1.6%	
PCB-158 233'44'6'-HxCB	34.18	5.15E+06	1.31 Y	0.96	1.00	4.2%	
PCB-128/166 22'33'44'-/2344'5	34.89	7.89E+06	1.26 Y	0.86	0.97	12.5%	
PCB-159 233'455'-HxCB	35.75	4.40E+06	1.27 Y	1.03	1.08	5.6%	
PCB-162 233'4'55'-HxCB	35.99	4.64E+06	1.25 Y	1.04	1.14	9.9%	
PCB-188 22'34'566'-HpCB	31.68	4.40E+06	1.07 Y	1.07	-	-	
PCB-179 22'33'566'-HpCB	31.94	4.19E+06	1.07 Y	0.98	1.06	8.6%	
PCB-184 22'344'66'-HpCB	32.41	4.09E+06	1.01 Y	0.97	1.04	6.6%	
PCB-176 22'33'466'-HpCB	32.68	4.48E+06	1.06 Y	1.06	1.13	6.5%	
PCB-186 22'34566'-HpCB	33.06	4.34E+06	1.11 Y	1.02	1.10	8.1%	
PCB-178 22'33'55'6'-HpCB	34.24	3.08E+06	1.14 Y	0.77	0.78	1.1%	
PCB-175 22'33'45'6'-HpCB	34.78	3.41E+06	1.01 Y	0.70	0.86	23.5%	
PCB-187 22'34'55'6'-HpCB	35.01	3.52E+06	1.04 Y	0.73	0.89	21.7%	
PCB-182 22'344'56'-HpCB	35.18	3.63E+06	1.02 Y	0.74	0.92	23.6%	
PCB-183 22'344'5'6'-HpCB	35.52	3.64E+06	1.06 Y	0.75	0.92	23.0%	
PCB-185 22'3455'6'-HpCB	35.59	3.48E+06	1.03 Y	0.73	0.88	21.1%	
PCB-174 22'33'456'-HpCB	35.70	3.07E+06	1.05 Y	0.63	0.78	23.8%	
PCB-177 22'33'4'56'-HpCB	36.07	2.92E+06	1.00 Y	0.64	0.74	15.8%	
PCB-181 22'344'56'-HpCB	36.41	3.34E+06	1.04 Y	0.72	0.85	18.3%	
PCB-171/173 22'33'44'6'-/22'3	36.58	6.05E+06	1.02 Y	0.64	0.77	20.2%	
PCB-172 22'33'455'-HpCB	37.98	2.92E+06	1.02 Y	0.69	0.51	-25.9%	
PCB-192 233'455'6'-HpCB	38.22	3.77E+06	1.03 Y	0.91	0.66	-27.5%	
PCB-180/193 22'344'55'-/233'	38.50	7.12E+06	1.04 Y	0.84	0.62	-26.2%	
PCB-191 233'44'5'6'-HpCB	38.82	3.86E+06	1.05 Y	0.94	0.67	-28.5%	
PCB-170 22'33'44'5'-HpCB	39.57	2.84E+06	1.05 Y	0.70	0.49	-29.0%	
PCB-190 233'44'56'-HpCB	40.02	3.80E+06	1.05 Y	0.94	0.66	-29.8%	
PCB-202 22'33'55'66'-OcCB	36.19	3.34E+06	0.90 Y	0.83	-	-	
PCB-201 22'33'45'66'-OcCB	36.97	3.73E+06	0.88 Y	0.93	0.94	1.2%	
PCB-204 22'344'566'-OcCB	37.54	3.60E+06	0.84 Y	0.89	0.90	1.5%	
PCB-197 22'33'44'66'-OcCB	37.73	4.00E+06	0.86 Y	0.91	1.00	10.0%	
PCB-200 22'33'4566'-OcCB	37.80	3.50E+06	0.86 Y	0.93	0.88	-5.5%	
PCB-198/199 22'33'455'6'-/22'	40.16	4.65E+06	0.88 Y	0.68	0.58	-14.6%	
PCB-196 22'33'44'56'-OcCB	40.73	2.39E+06	0.89 Y	0.72	0.60	-16.4%	
PCB-203 22'344'55'6'-OcCB	40.90	2.52E+06	0.89 Y	0.74	0.63	-14.0%	
PCB-195 22'33'44'56'-OcCB	41.99	2.73E+06	0.93 Y	0.81	0.74	-9.2%	
PCB-194 22'33'44'55'-OcCB	43.97	3.05E+06	0.91 Y	0.86	0.82	-3.8%	
PCB-205 233'44'55'6'-OcCB	44.37	3.67E+06	0.90 Y	1.09	-	-	
PCB-208 22'33'455'66'-NoCB	41.81	3.12E+06	0.78 Y	0.98	-	-	
PCB-207 22'33'44'566'-NoCB	42.59	3.22E+06	0.79 Y	1.02	1.01	-0.9%	
PCB-206 22'33'44'55'6'-NoCB	45.84	2.32E+06	0.77 Y	0.93	-	-	

AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

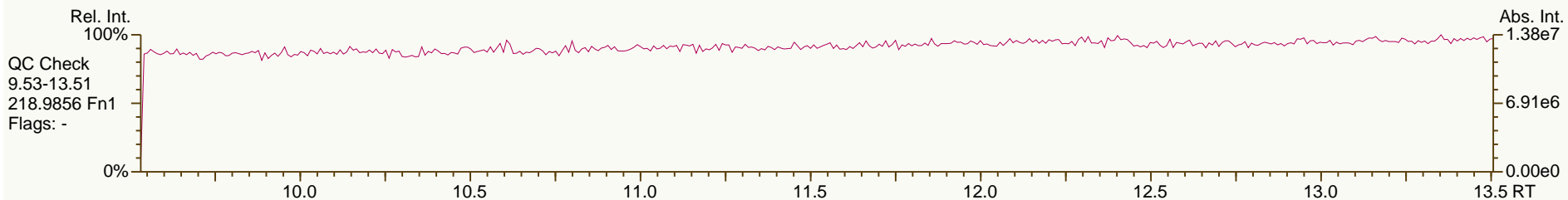
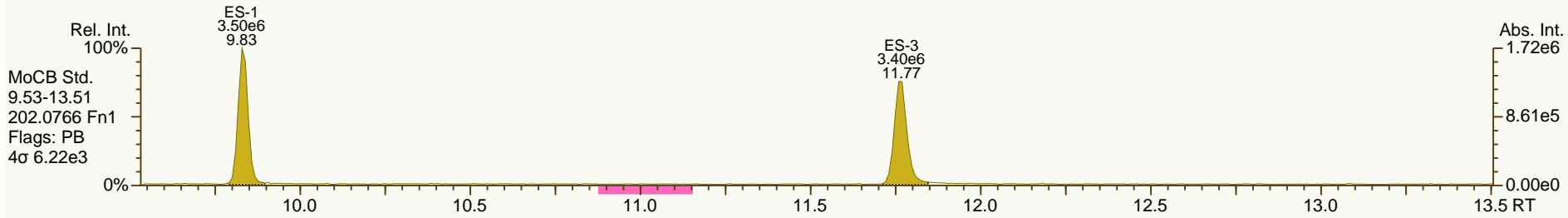
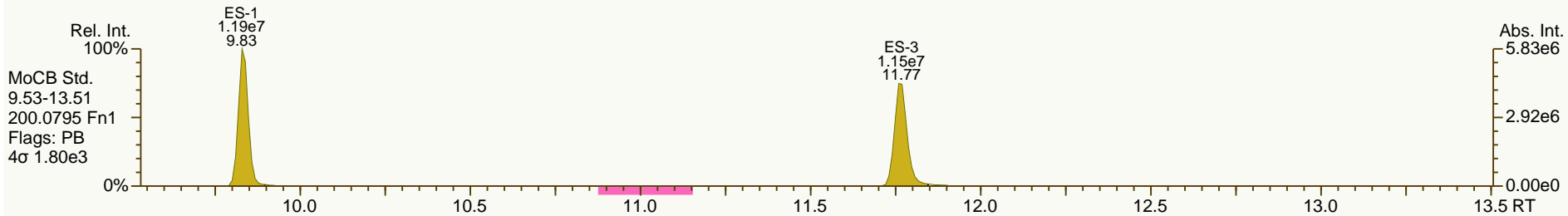
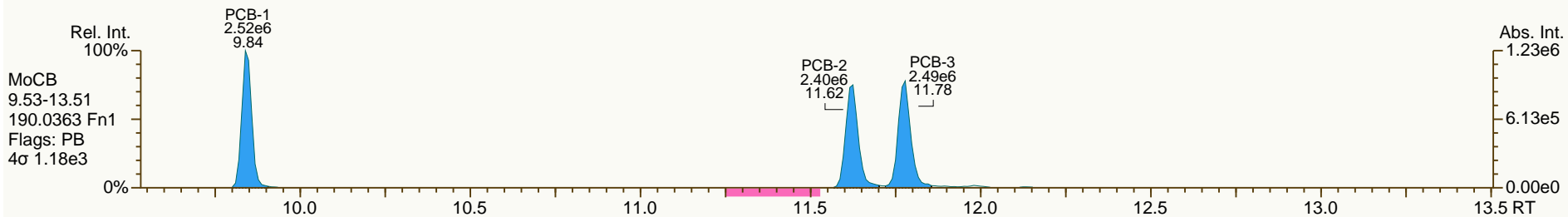
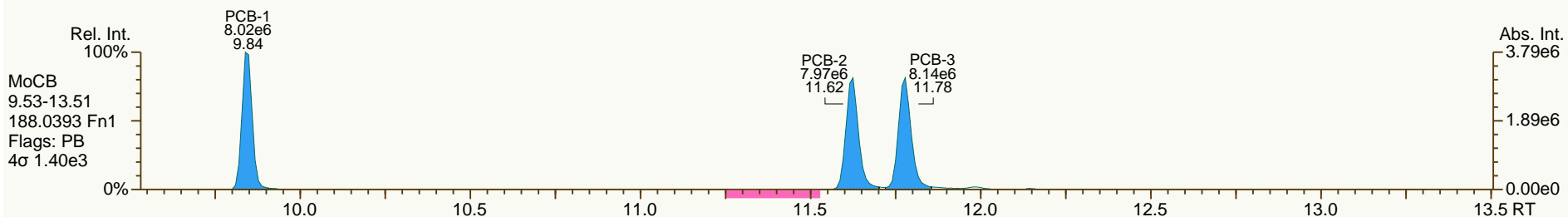
Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

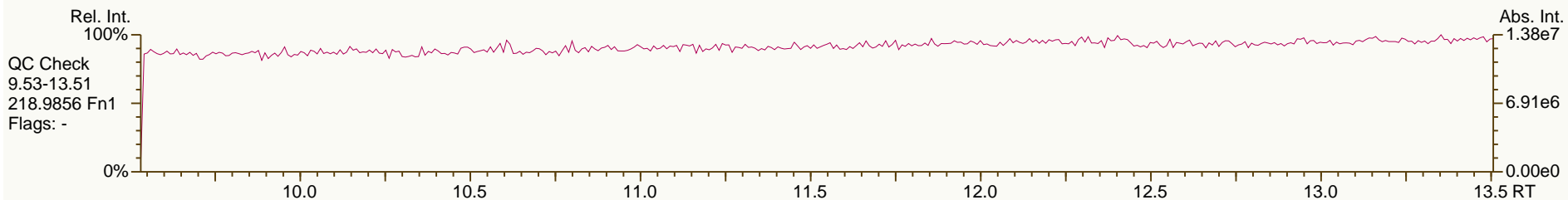
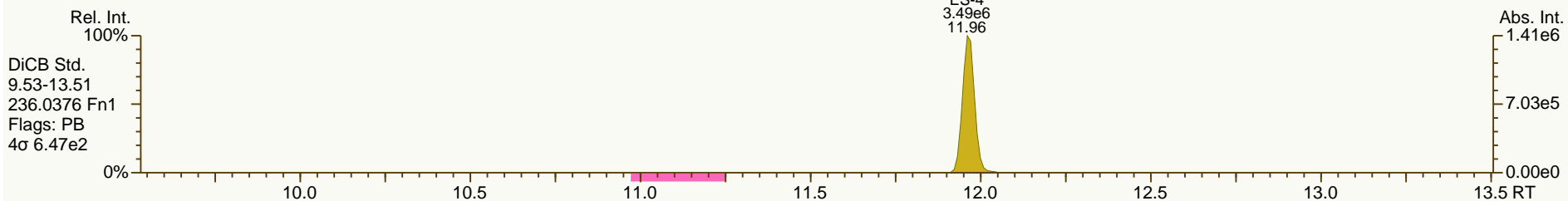
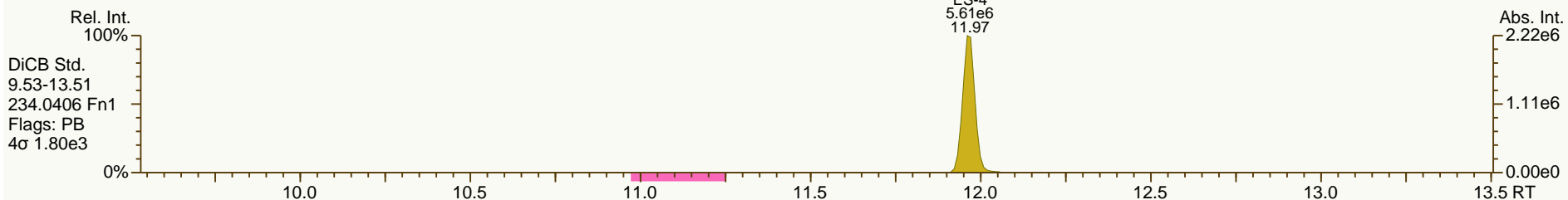
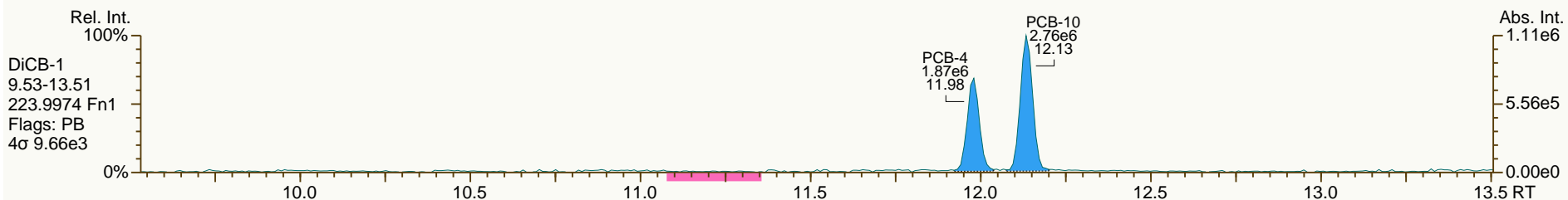
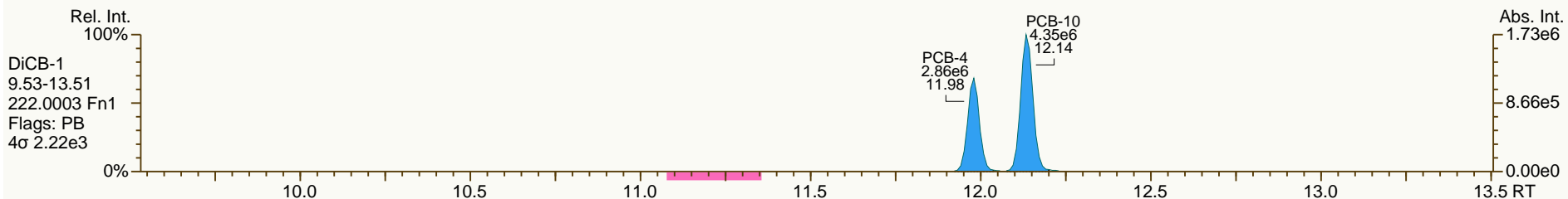
Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

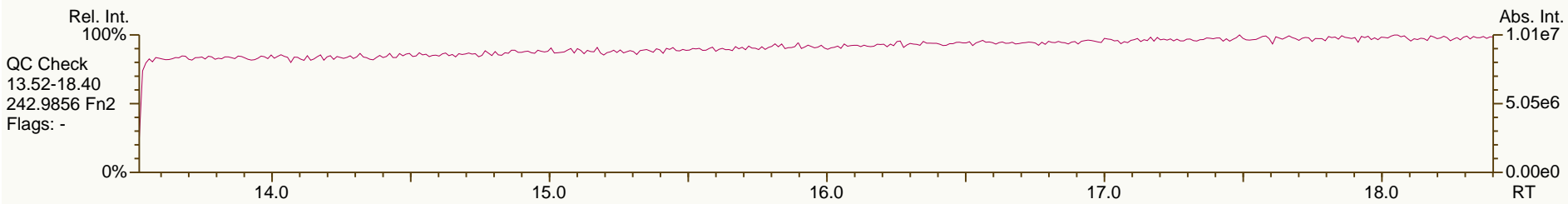
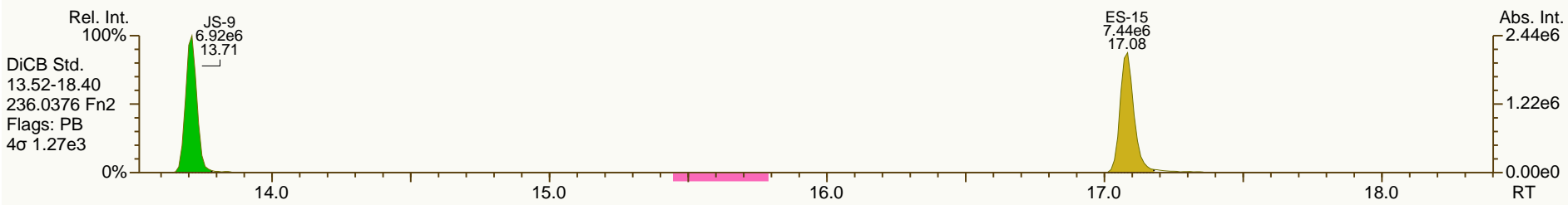
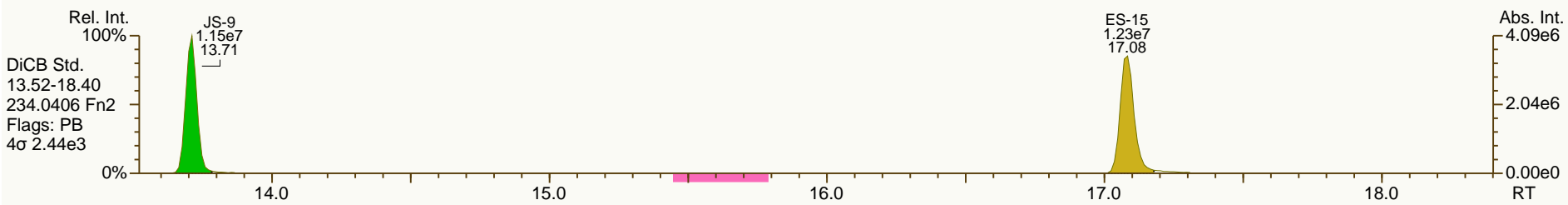
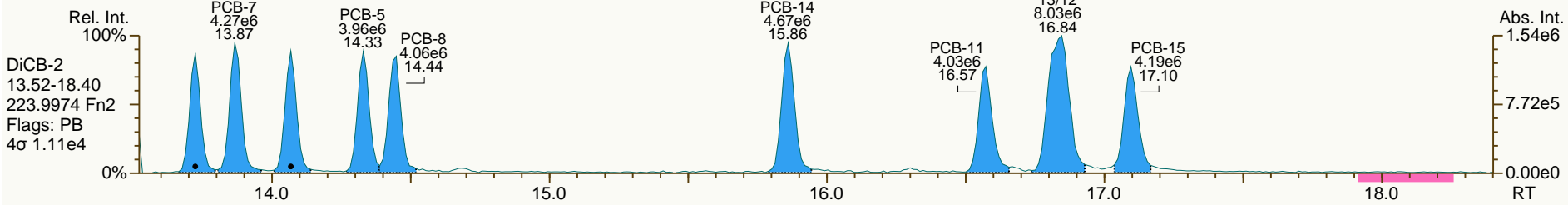
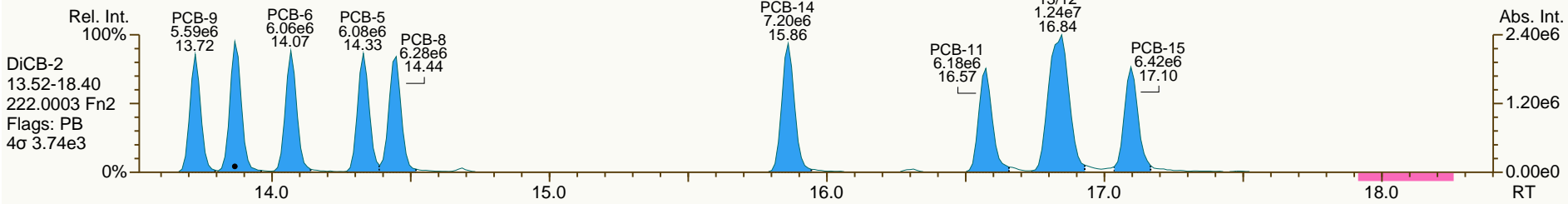
Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

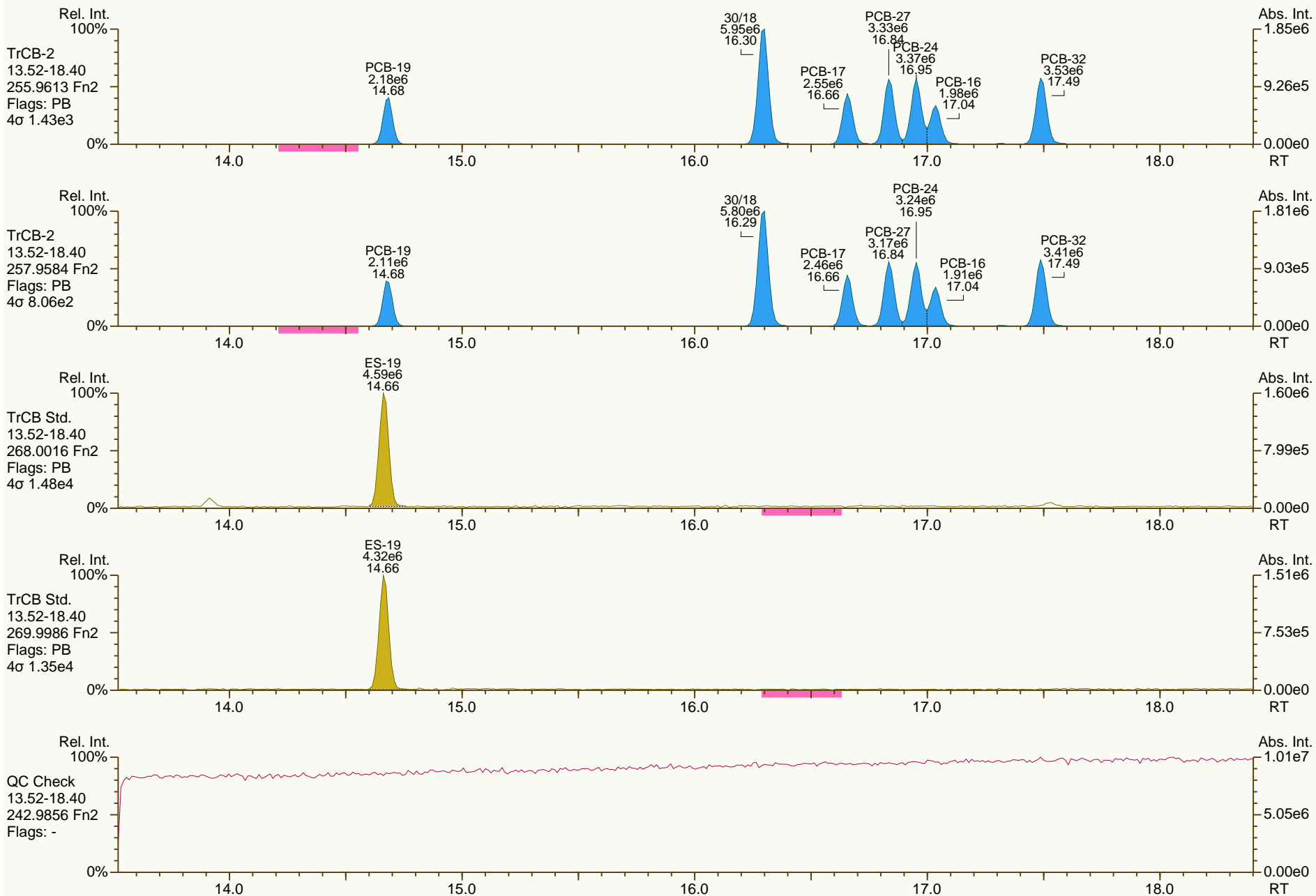
Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

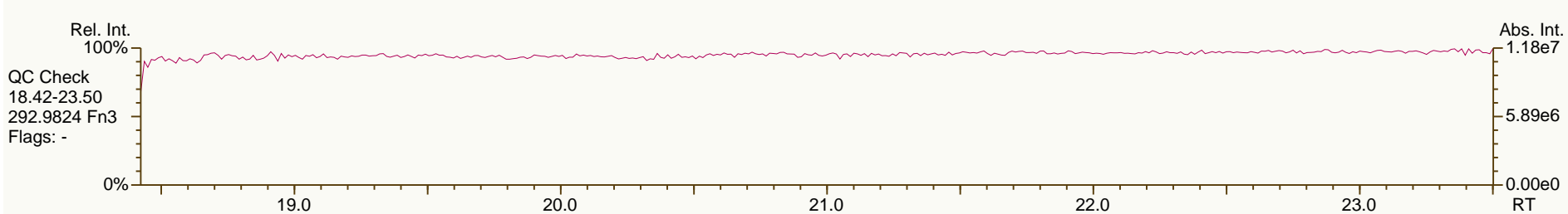
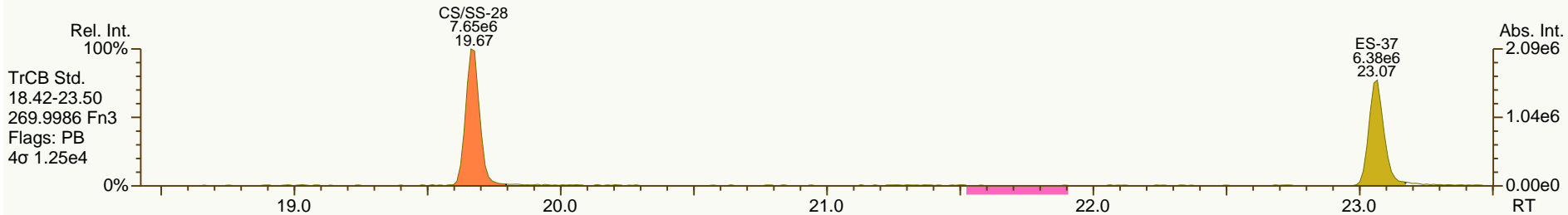
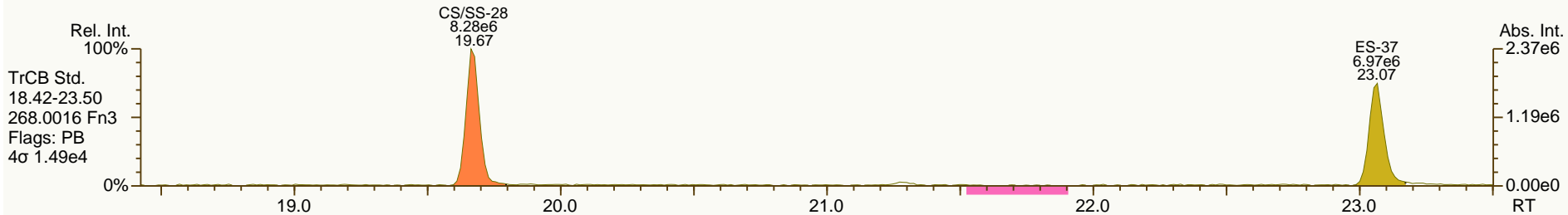
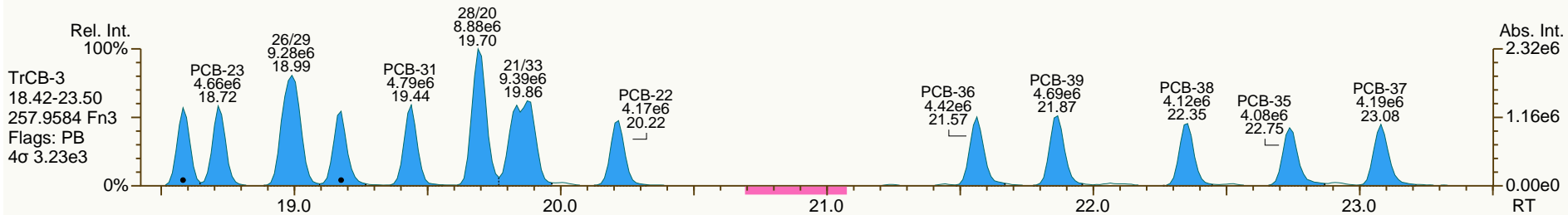
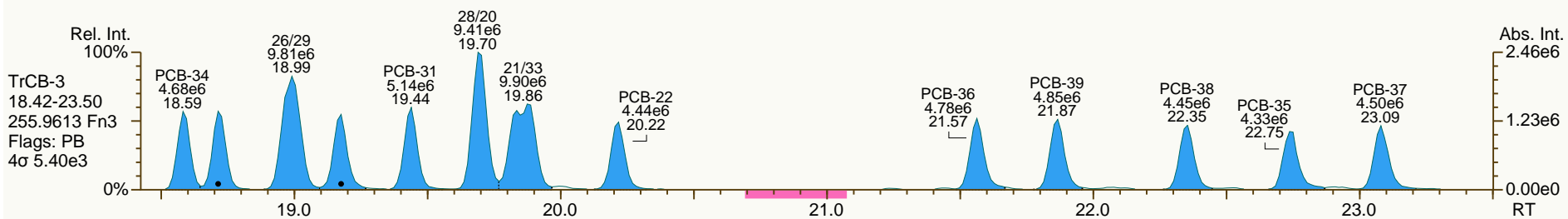
Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

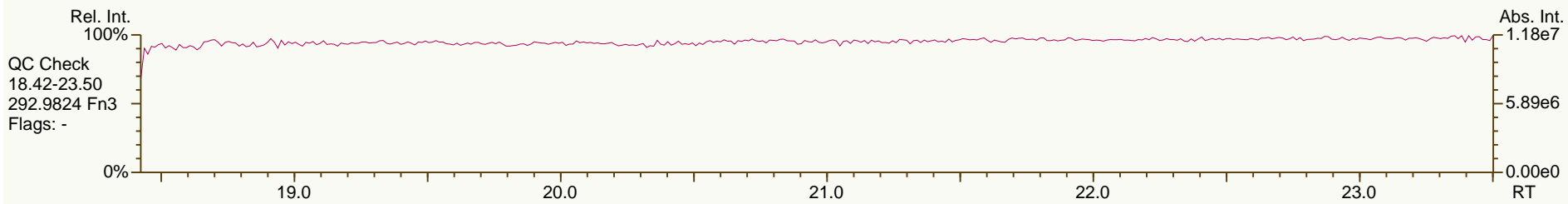
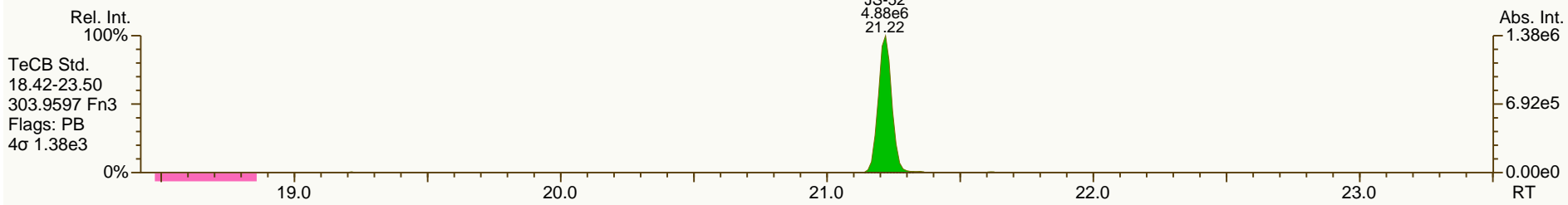
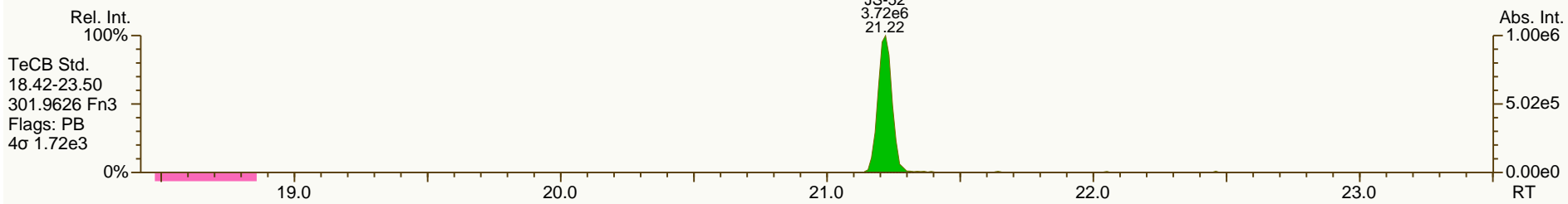
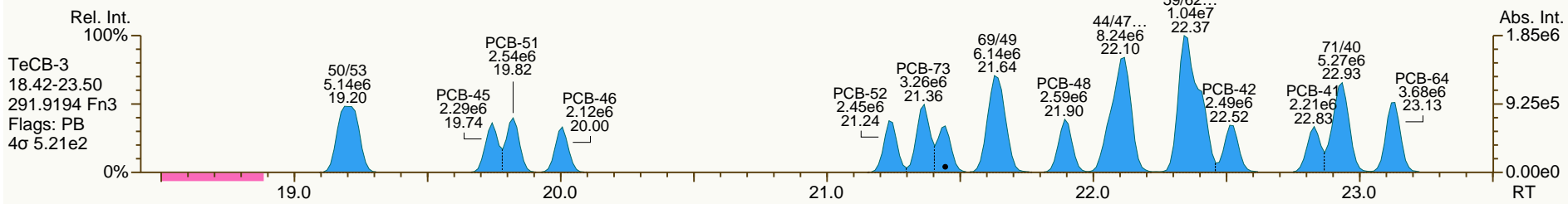
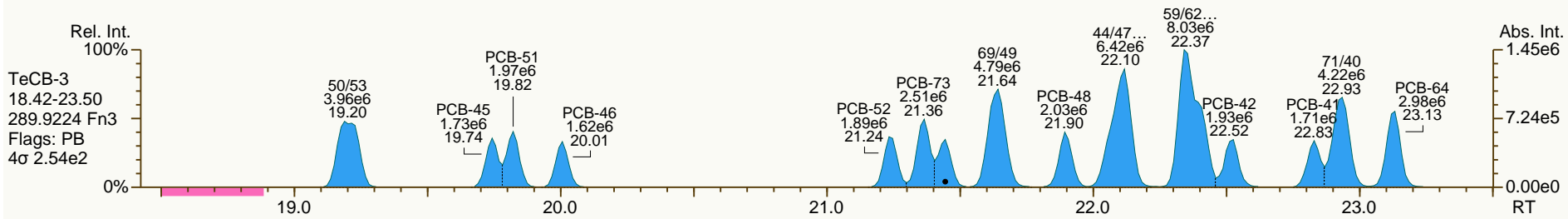
Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

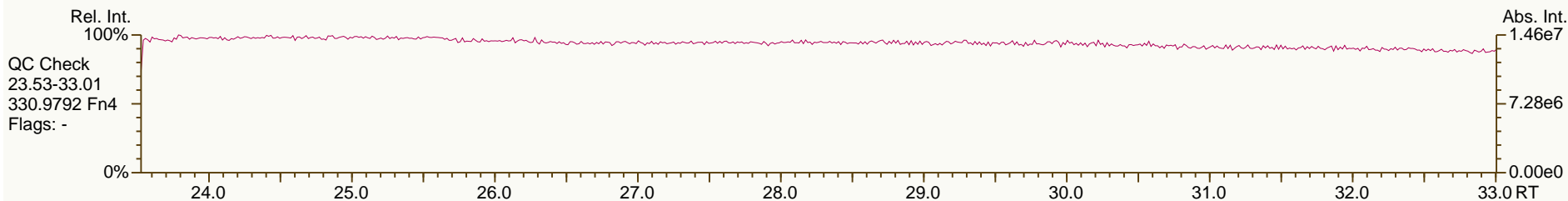
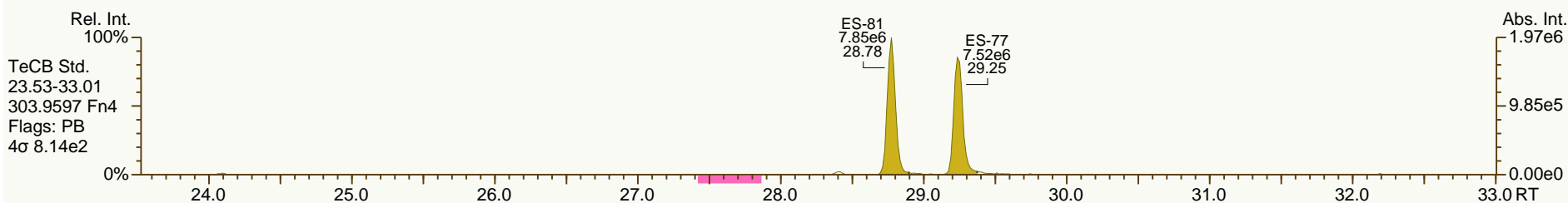
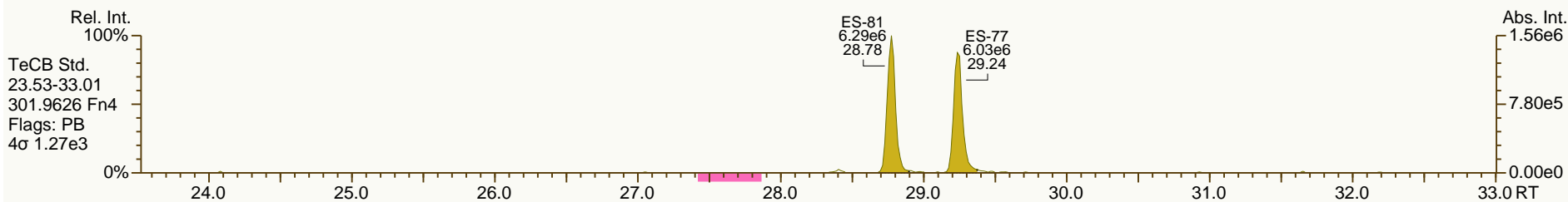
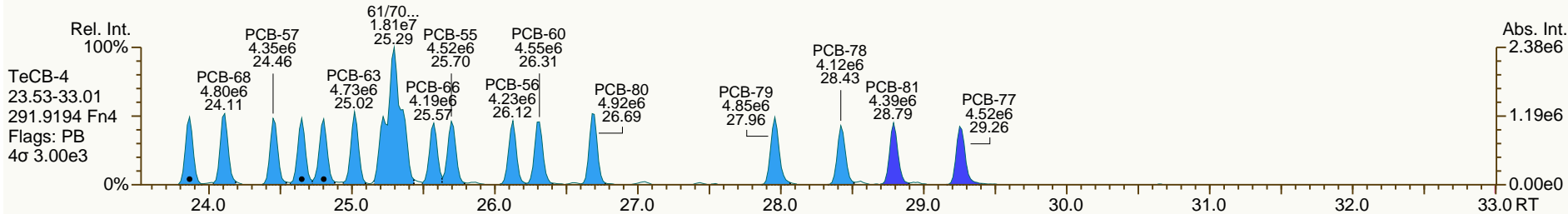
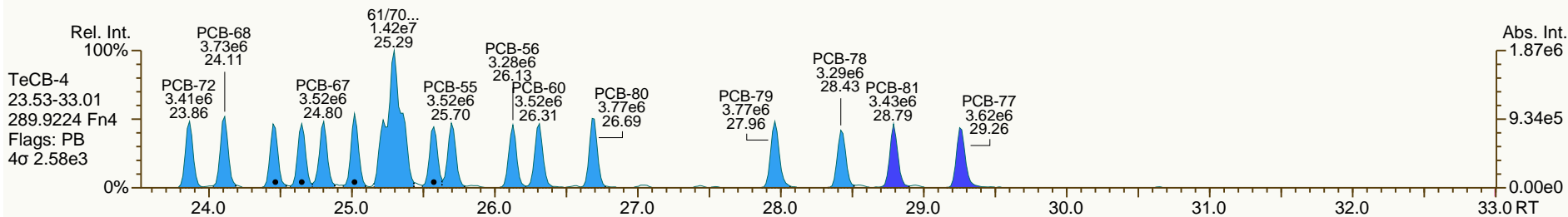
Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

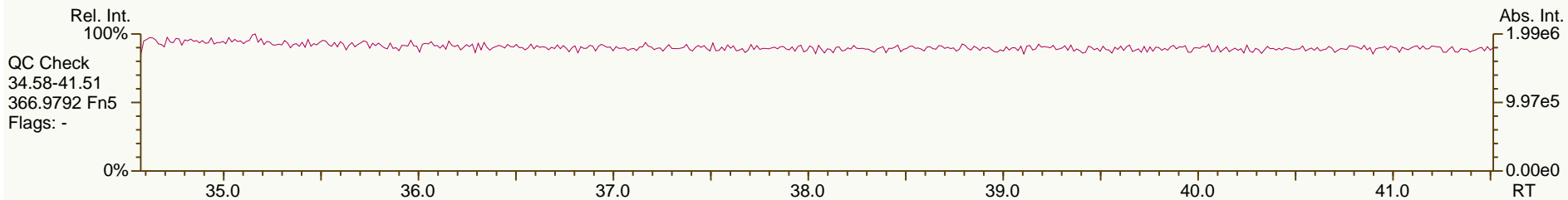
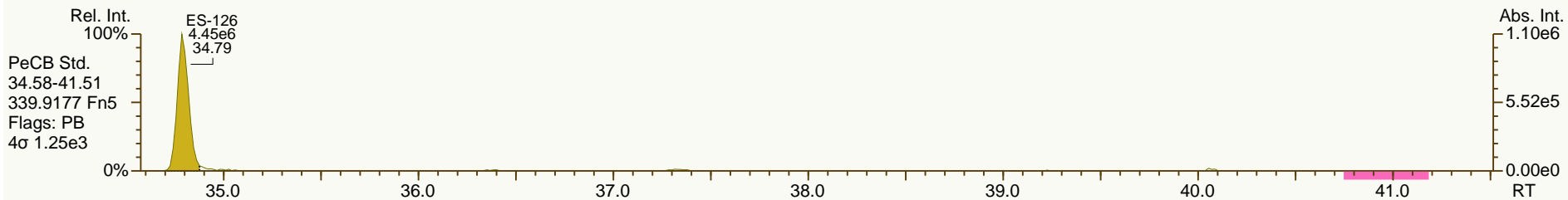
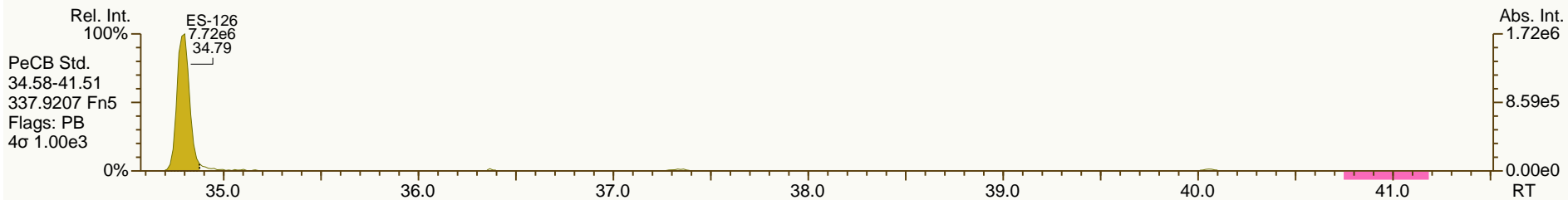
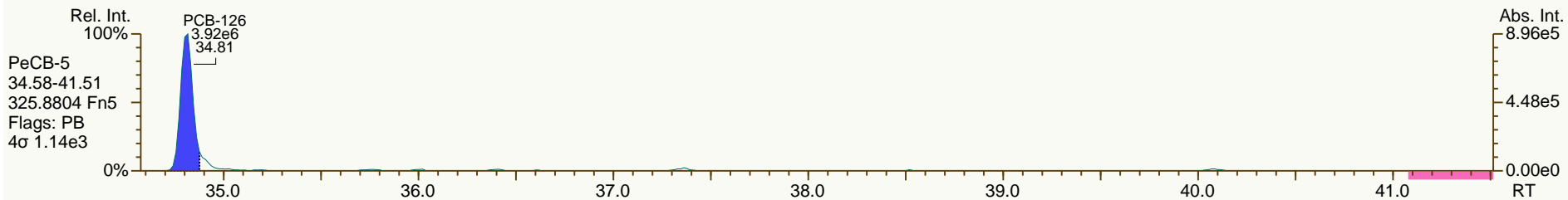
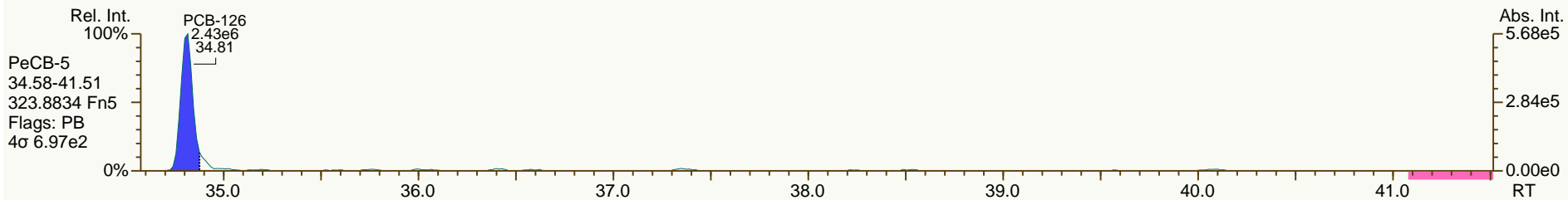
Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

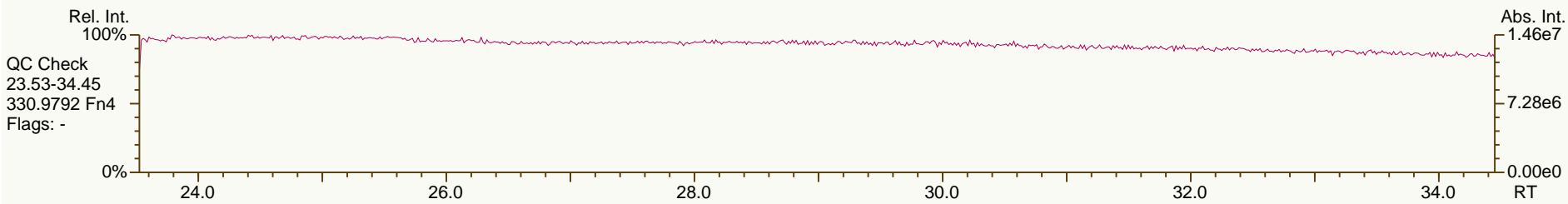
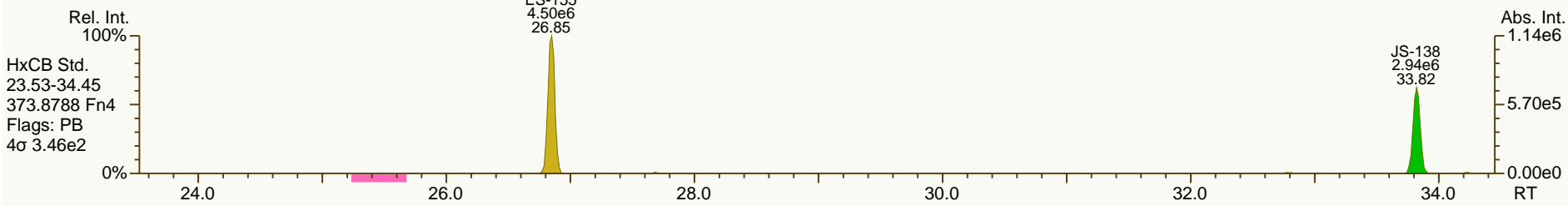
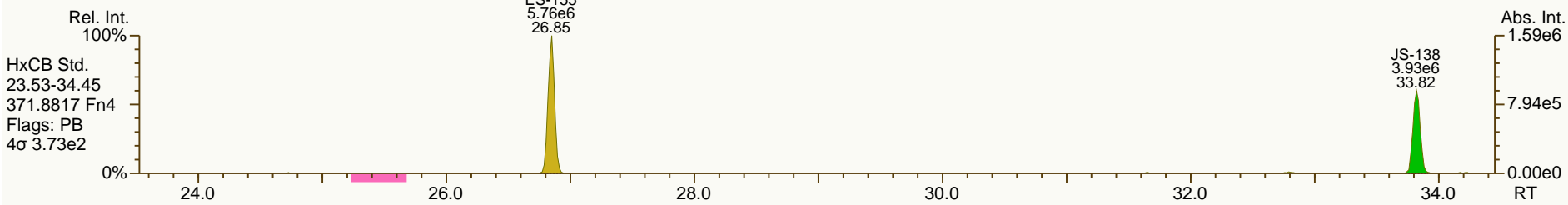
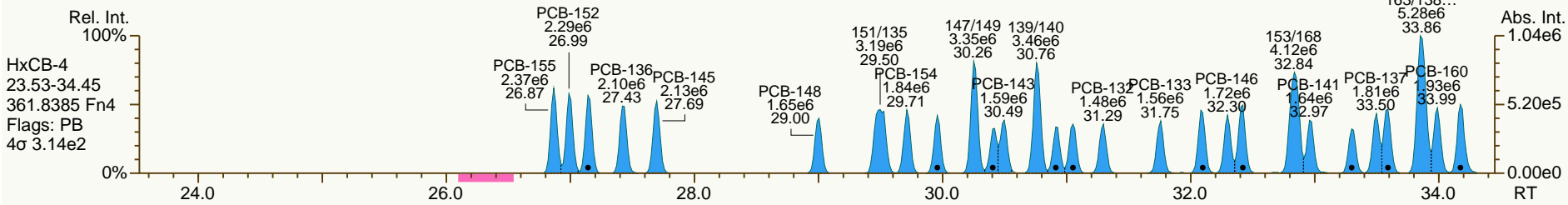
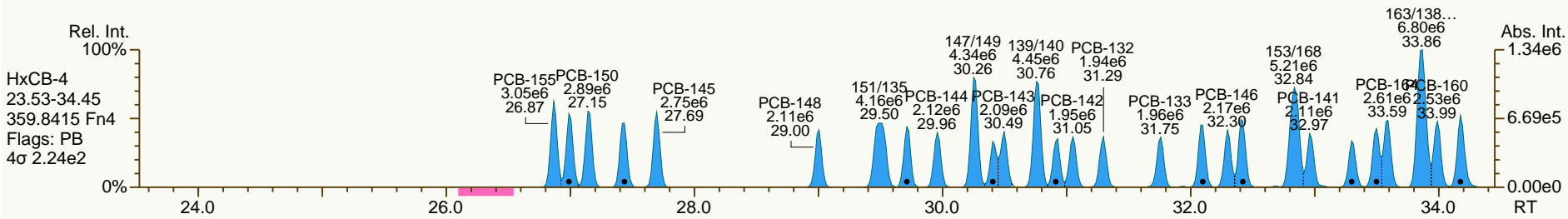
Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

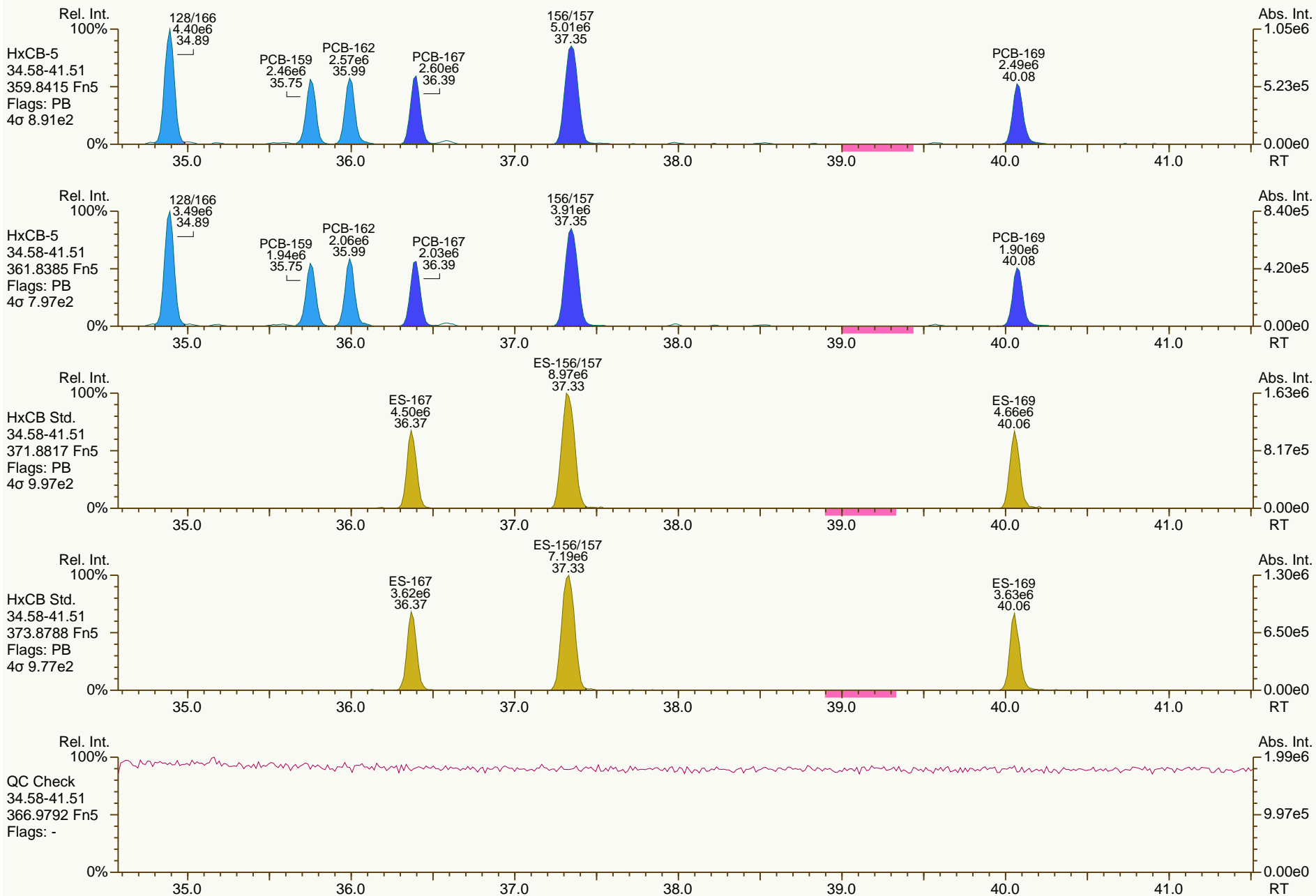
Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

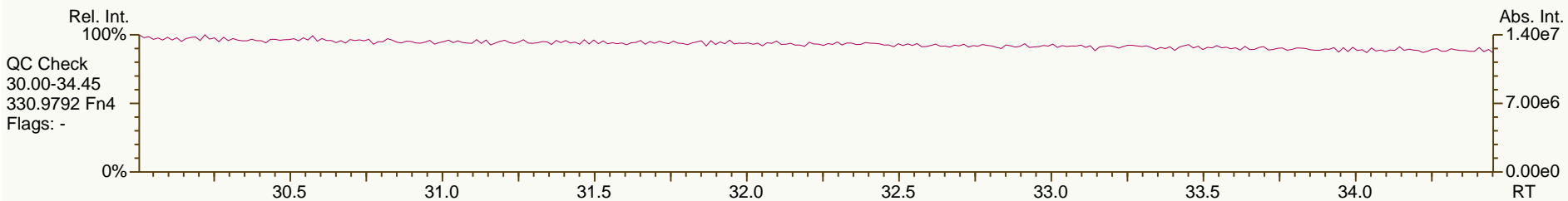
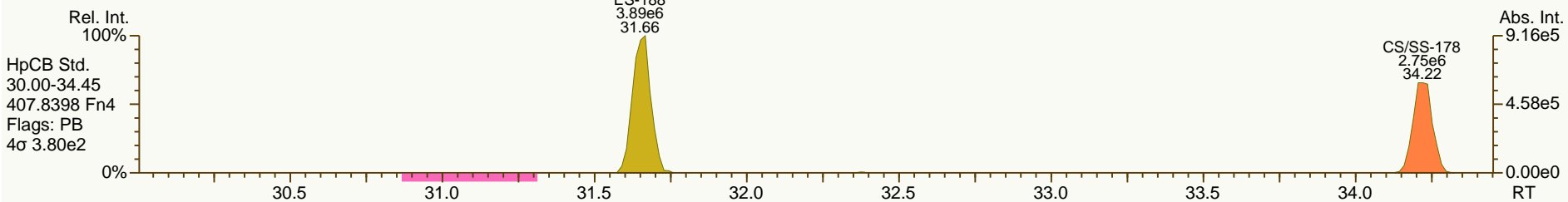
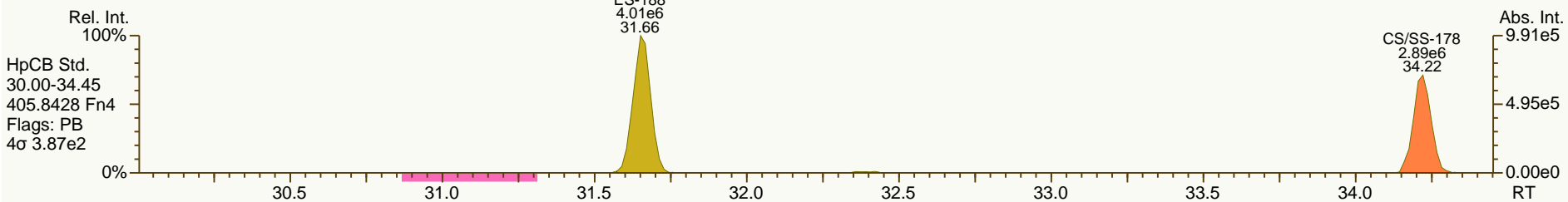
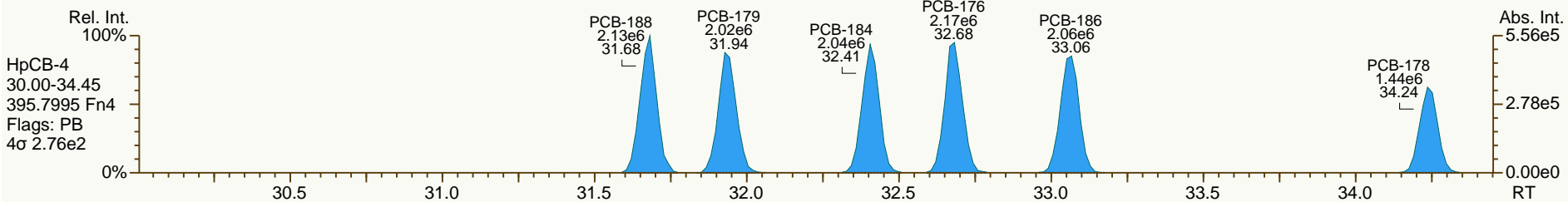
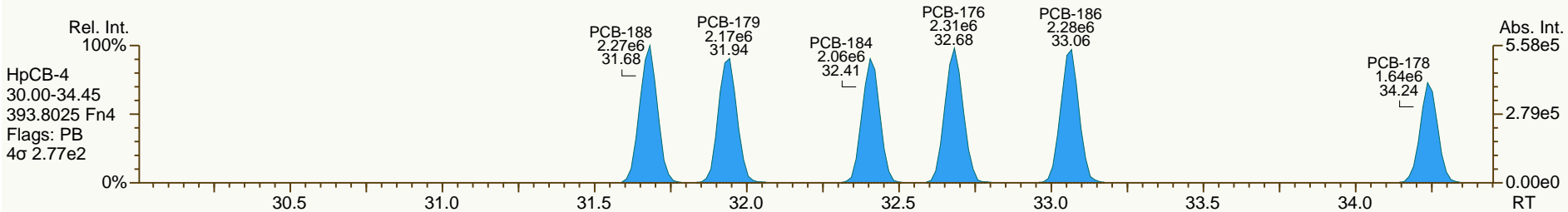
Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

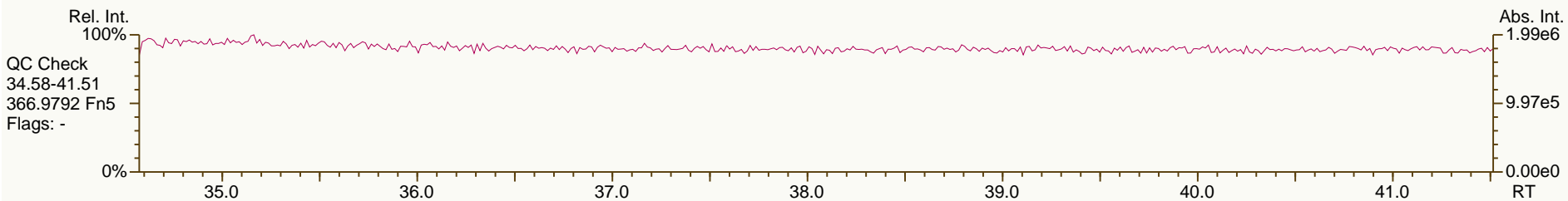
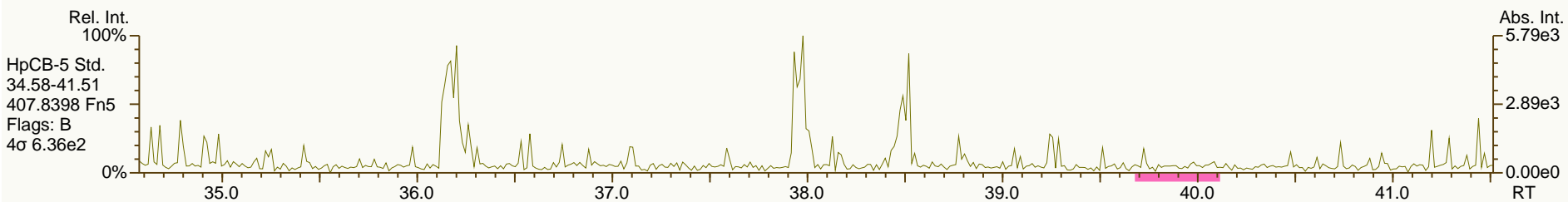
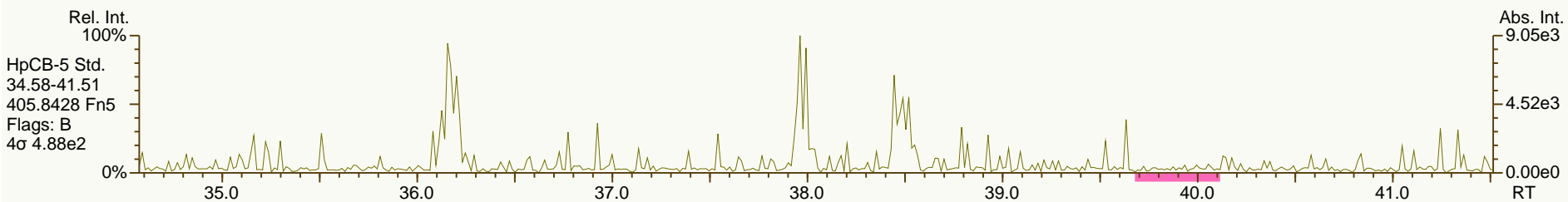
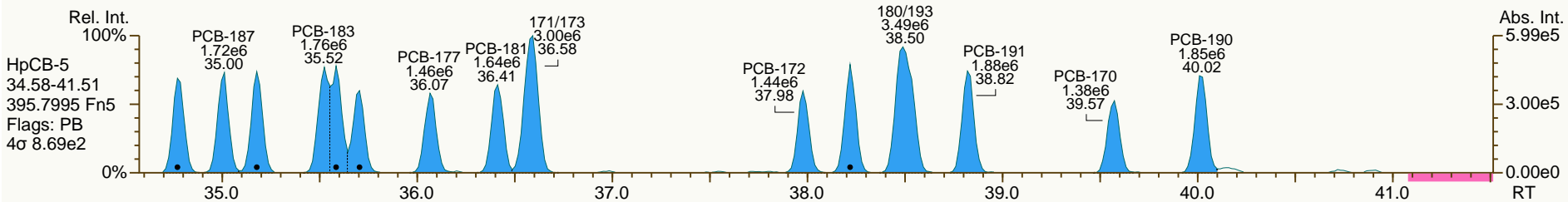
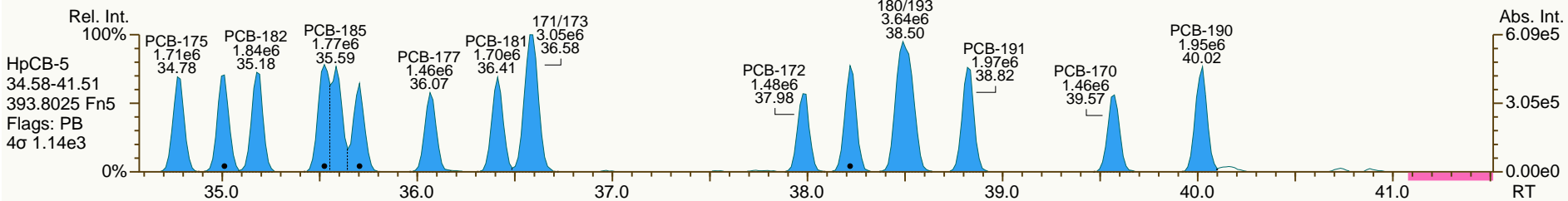
Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

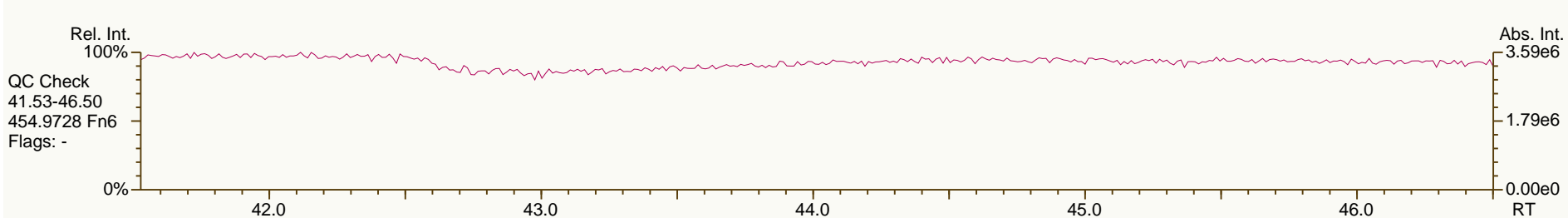
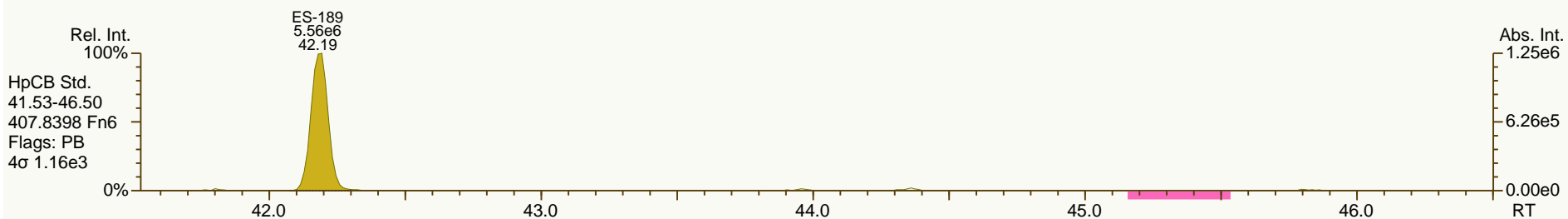
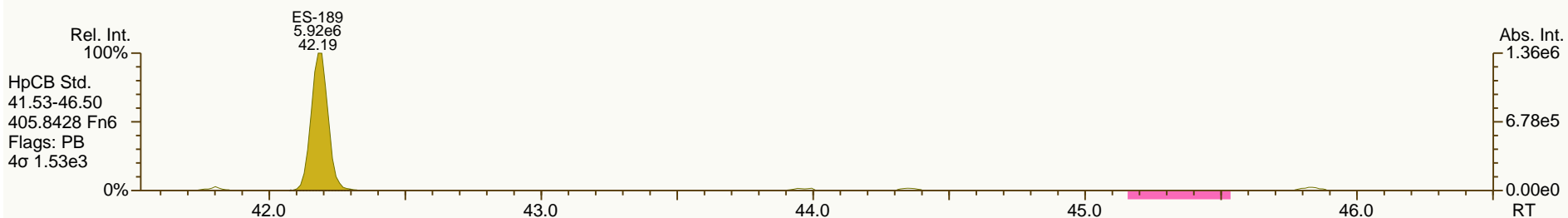
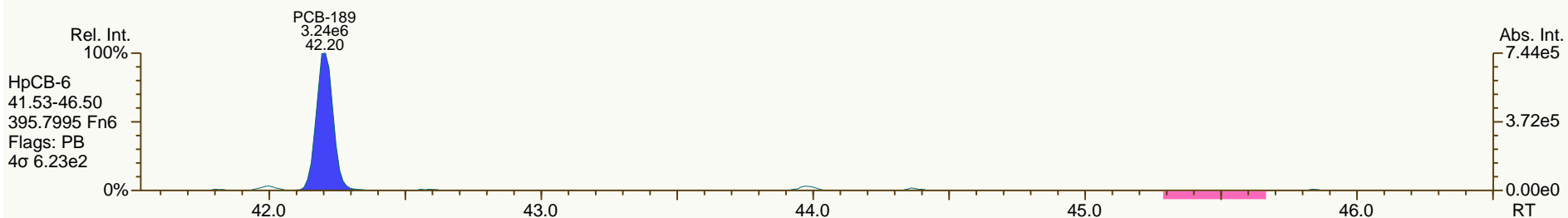
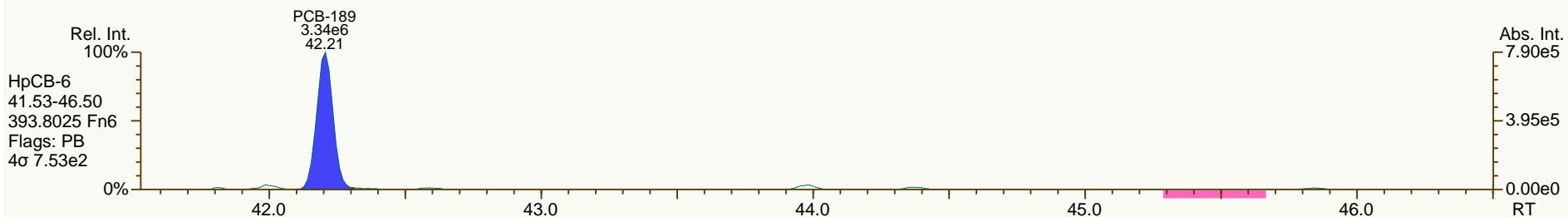
Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

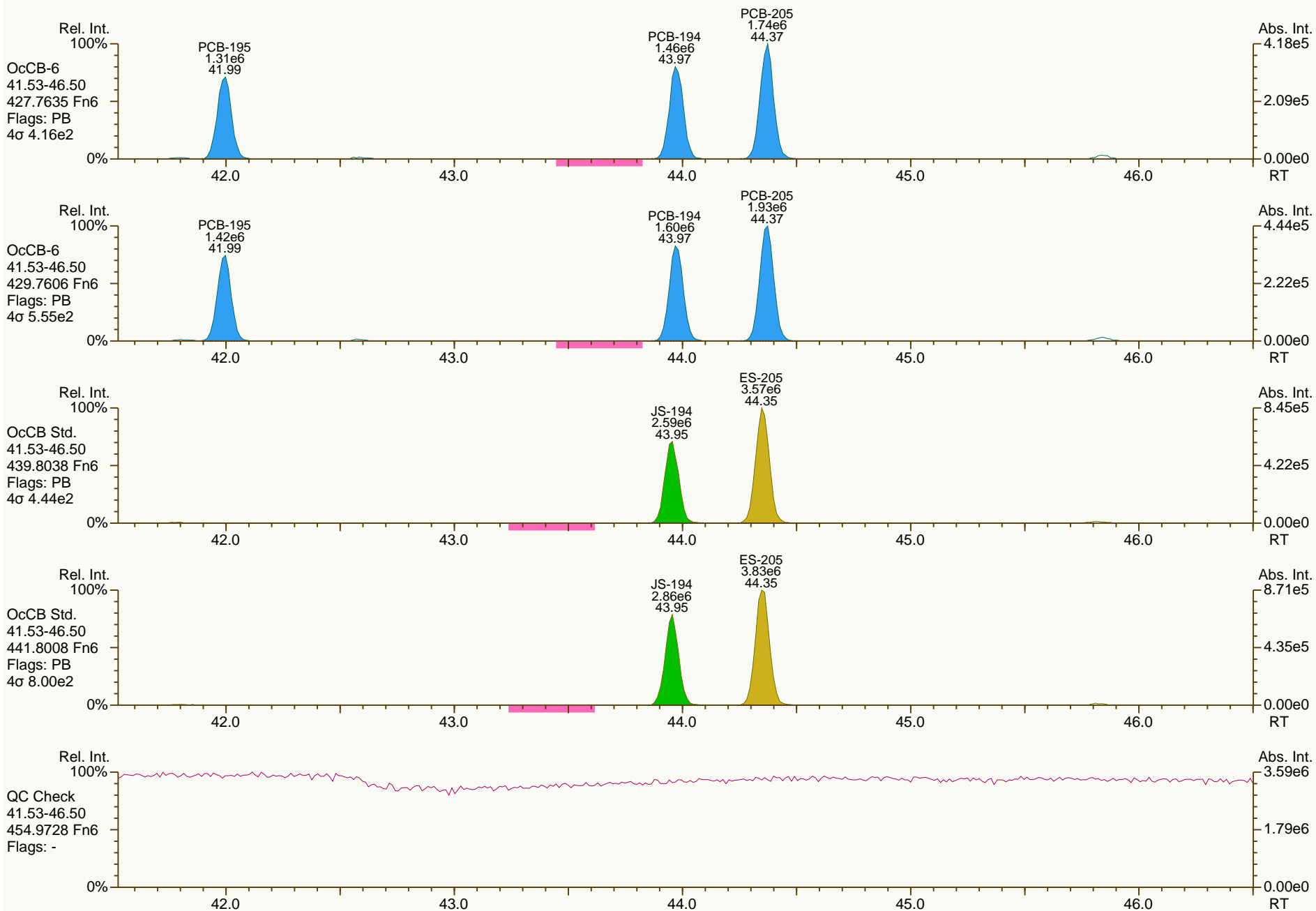
Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

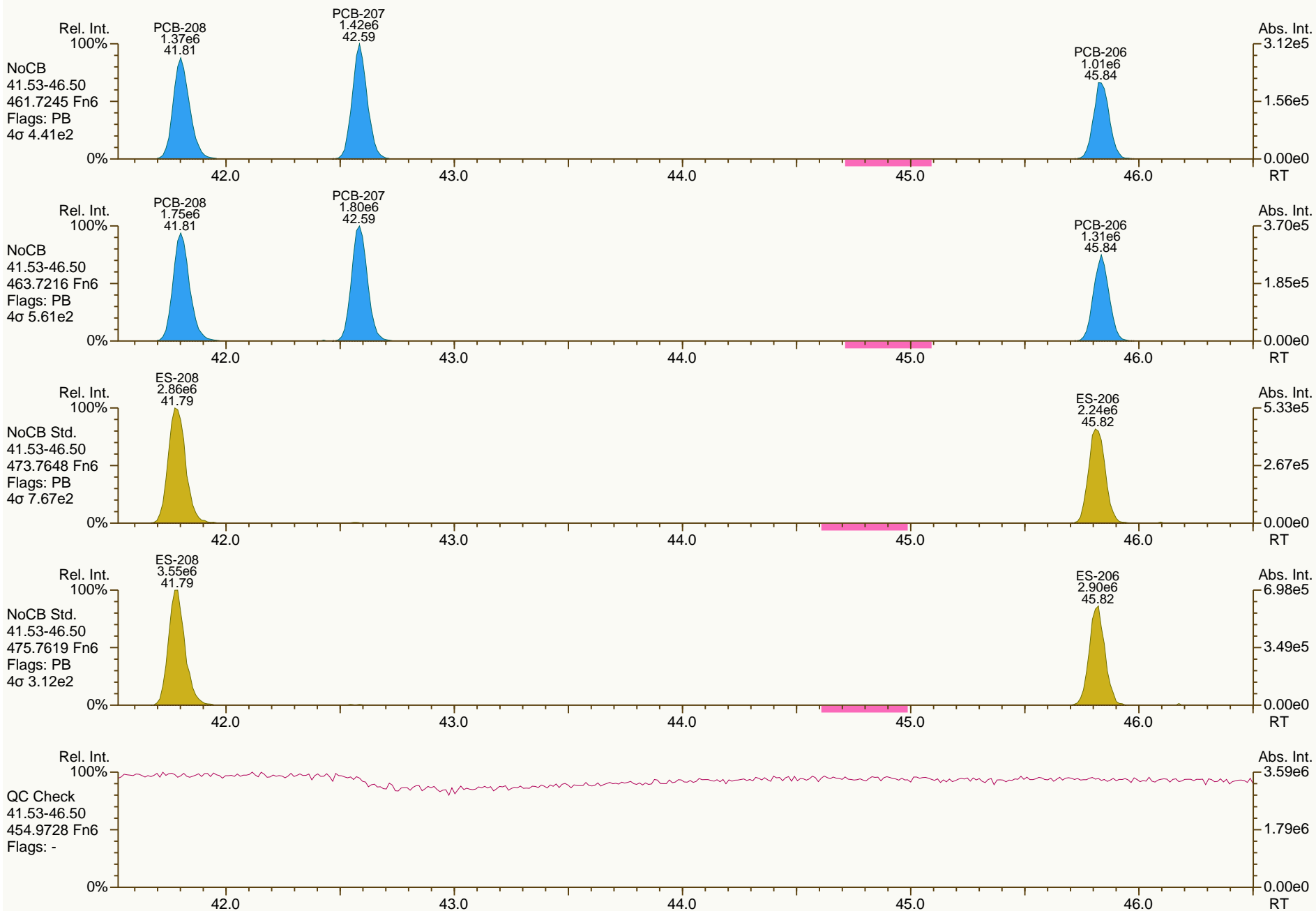
Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

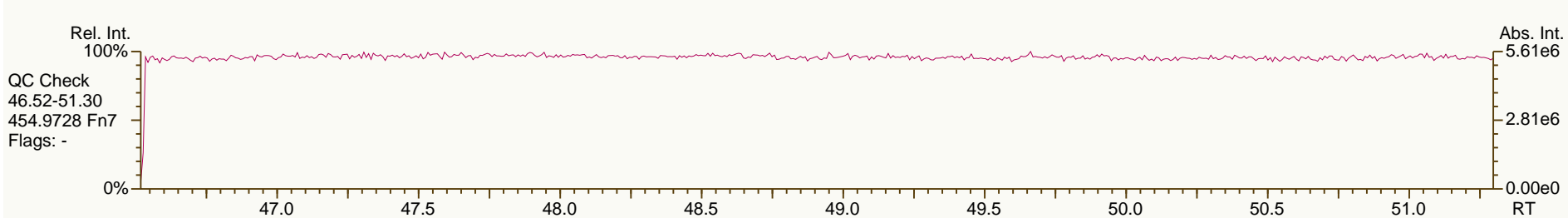
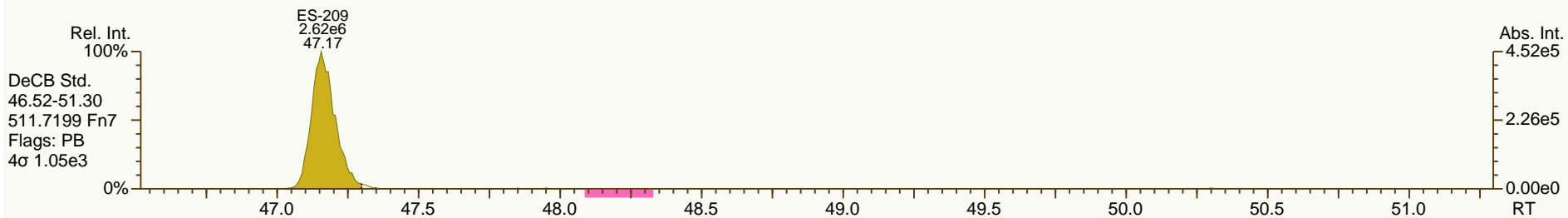
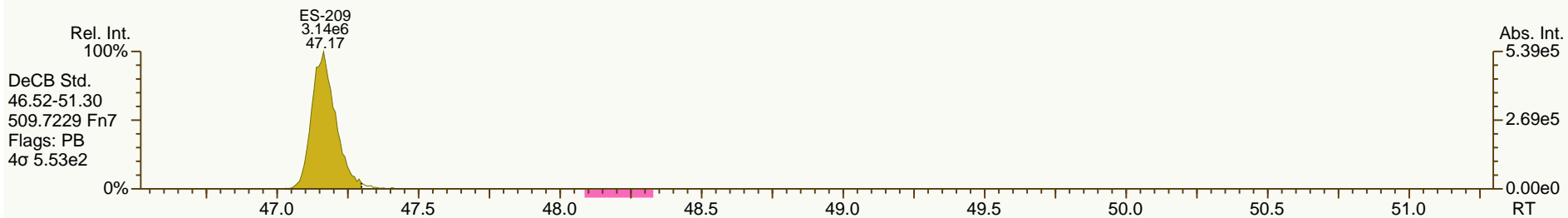
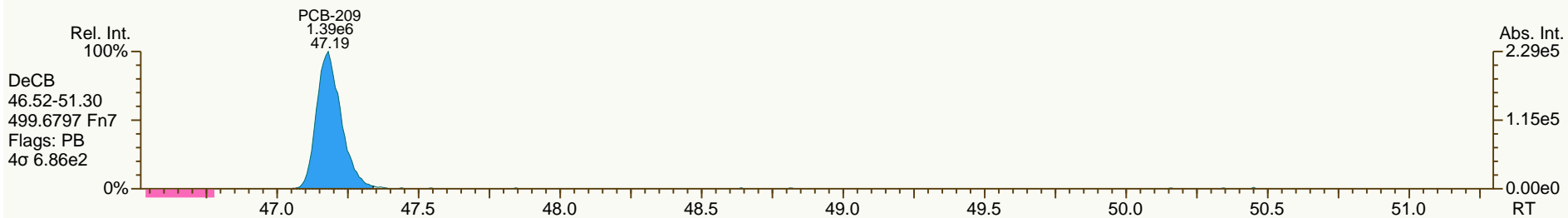
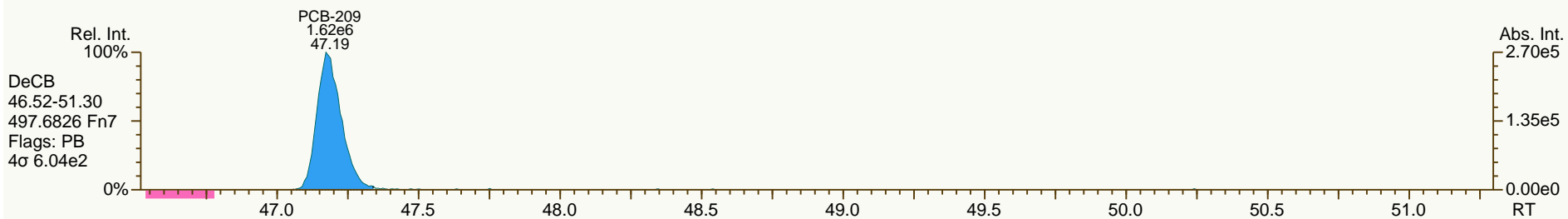
Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

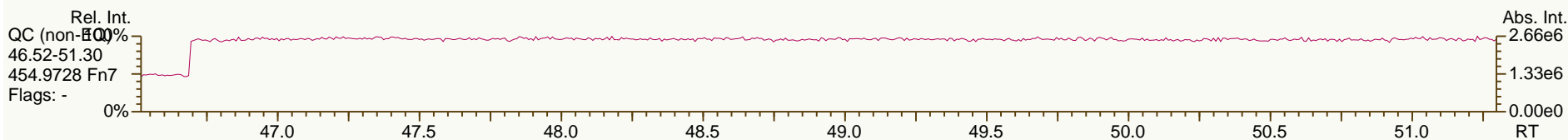
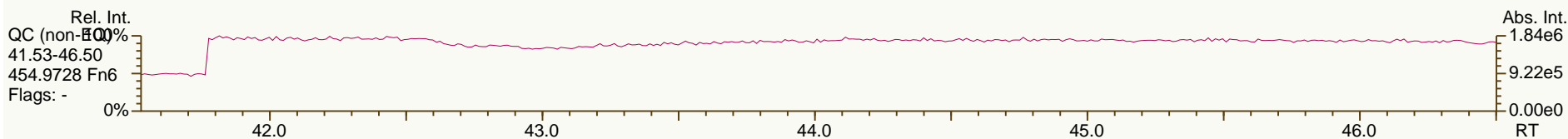
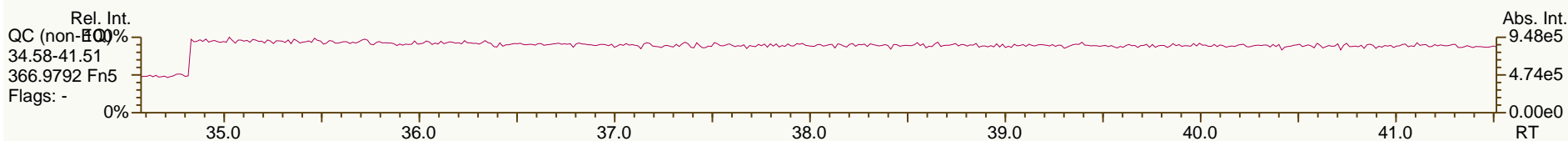
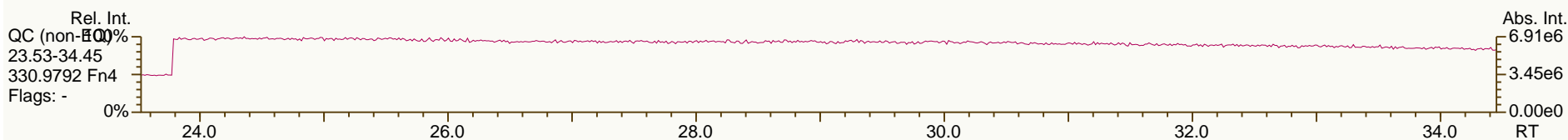
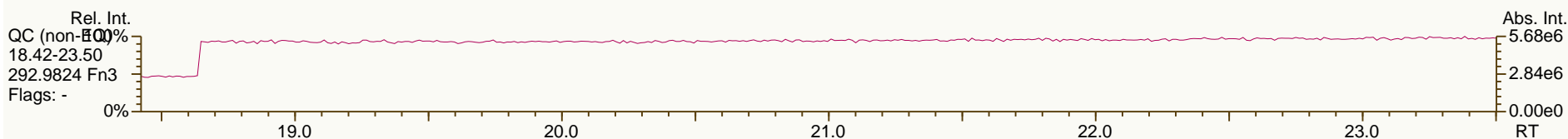
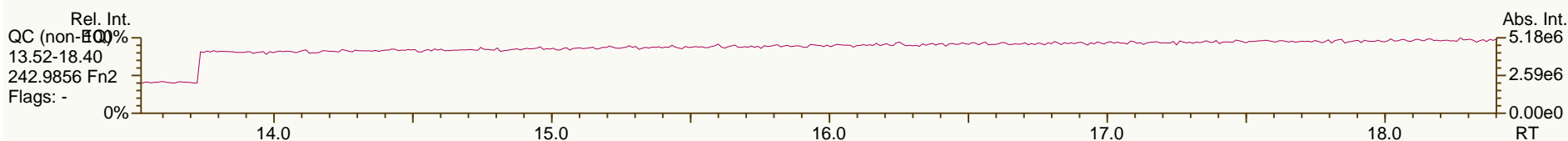
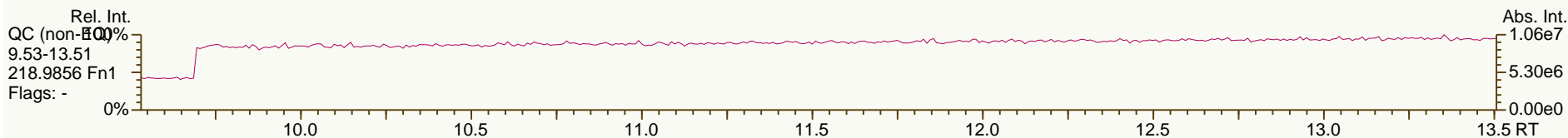
Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

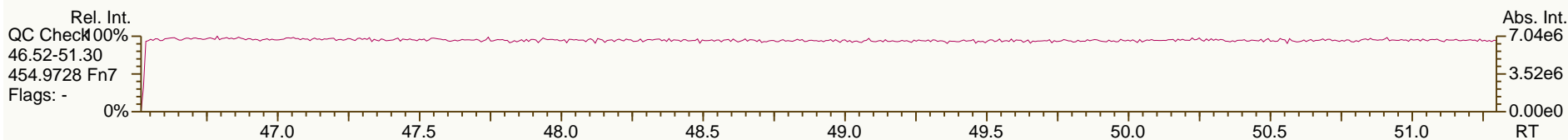
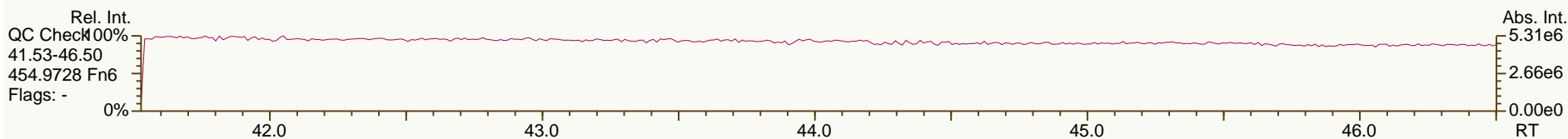
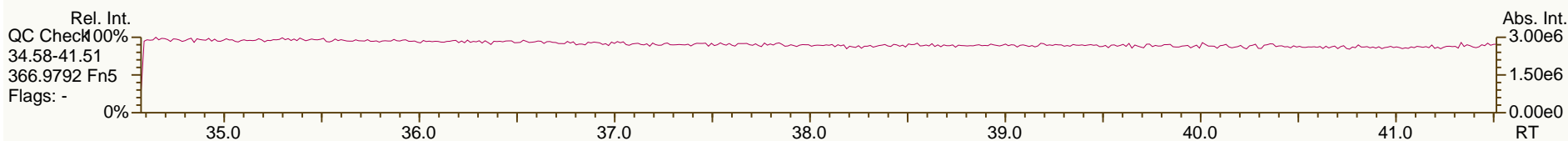
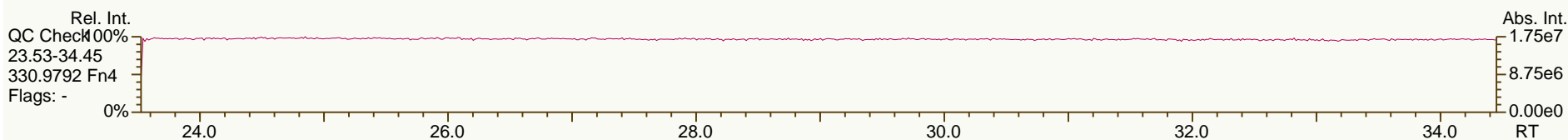
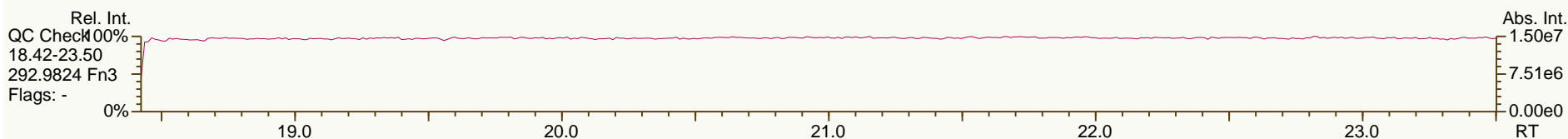
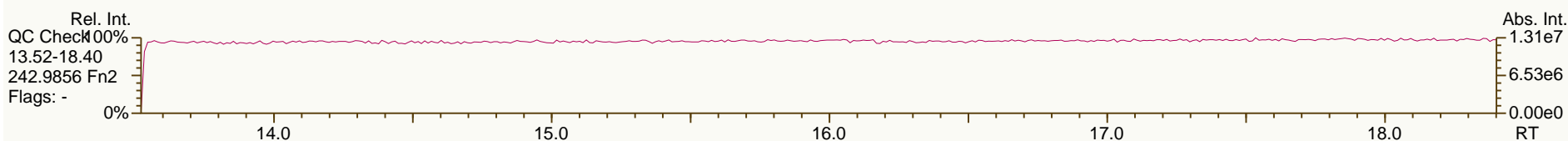
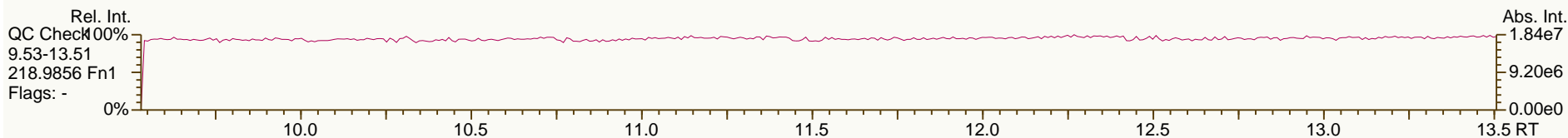
Acq: 05-Jul-2012 20:06:24
User: LKB Datafile: 120705S10



AP Lab ID: SBS_120705_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

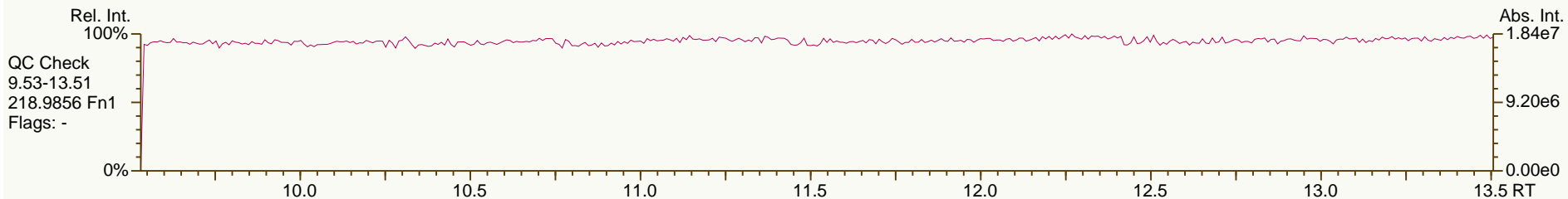
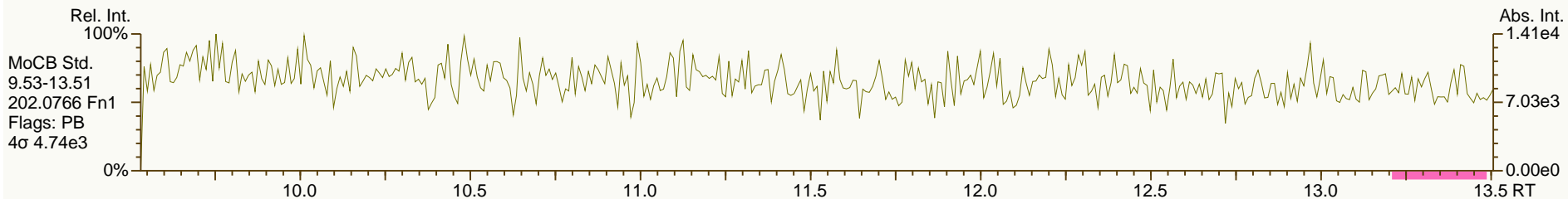
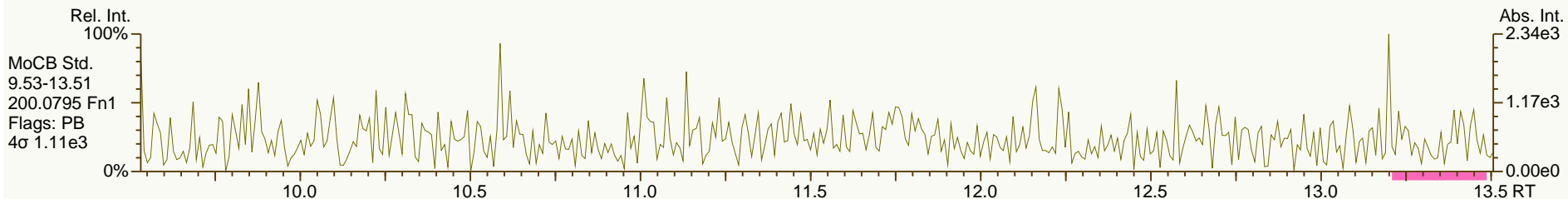
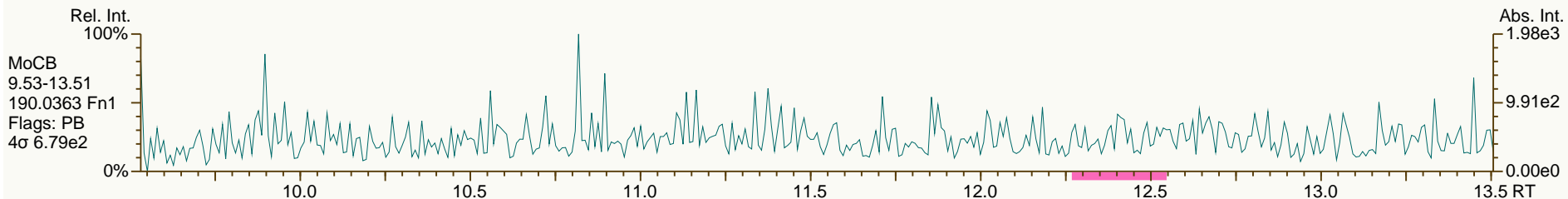
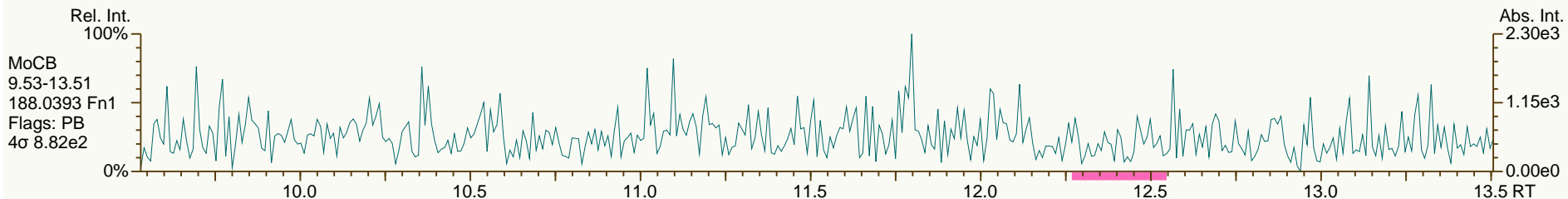
Acq: 05-Jul-2012 13:34:47
User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

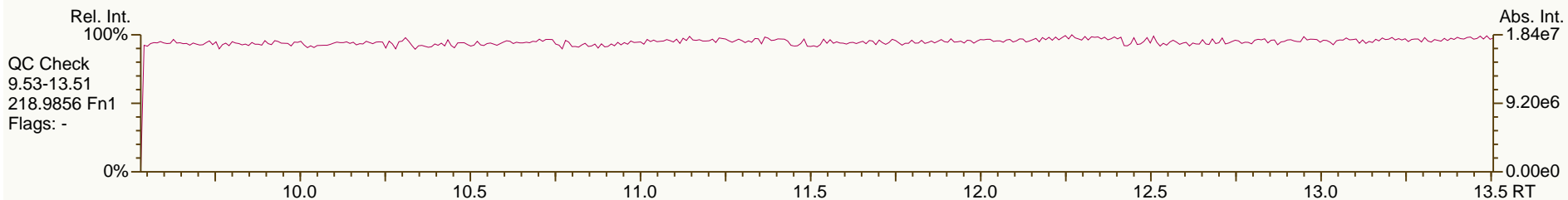
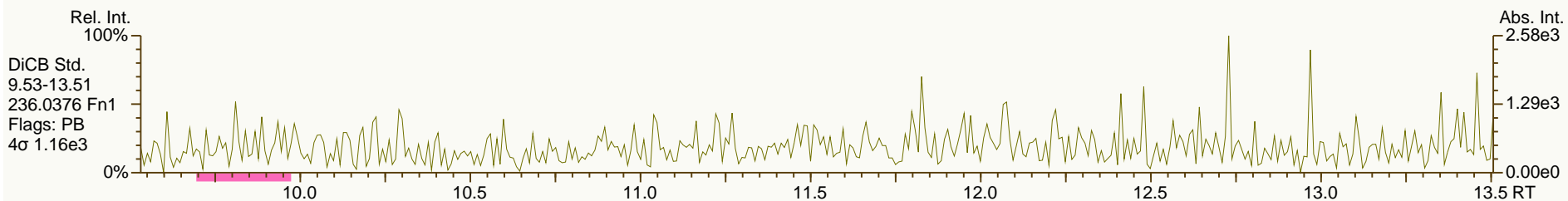
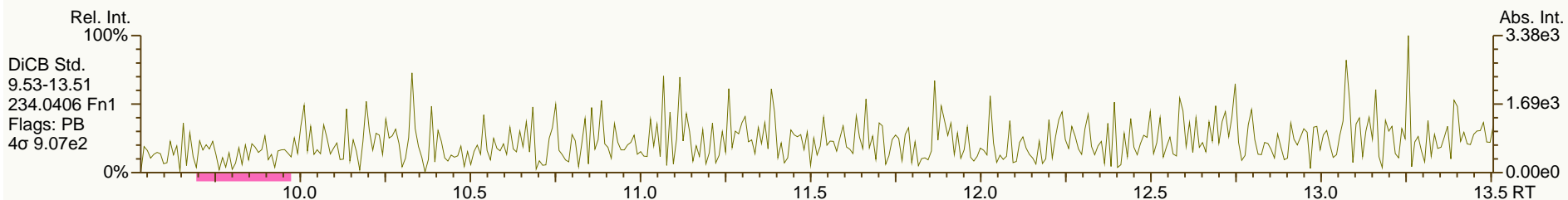
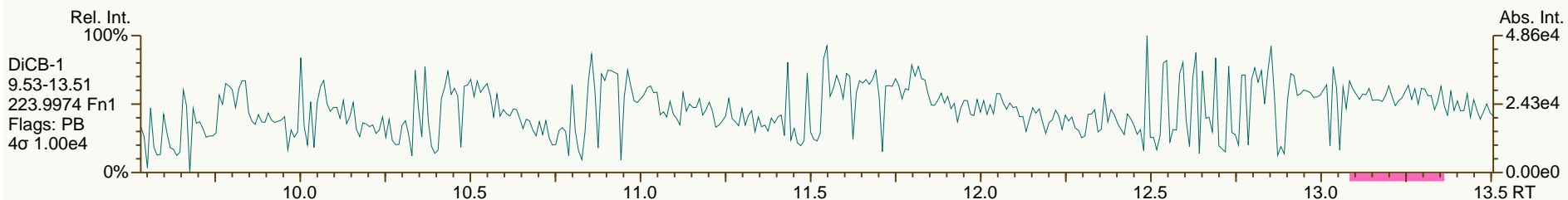
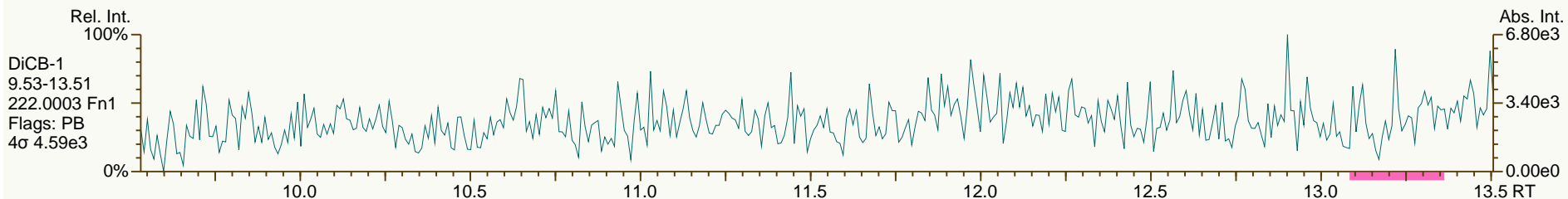
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

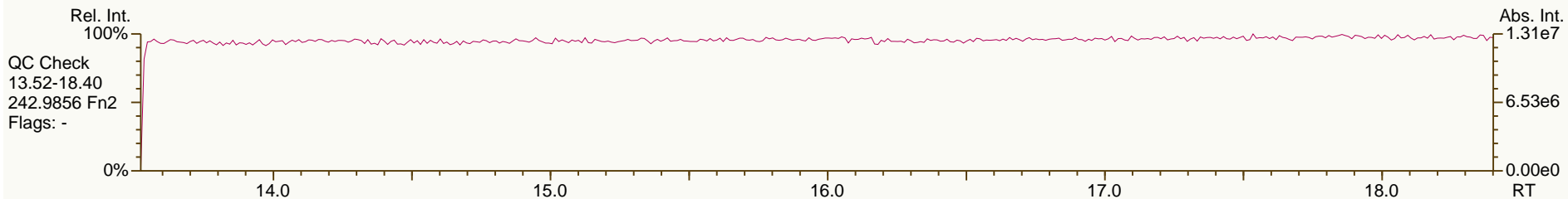
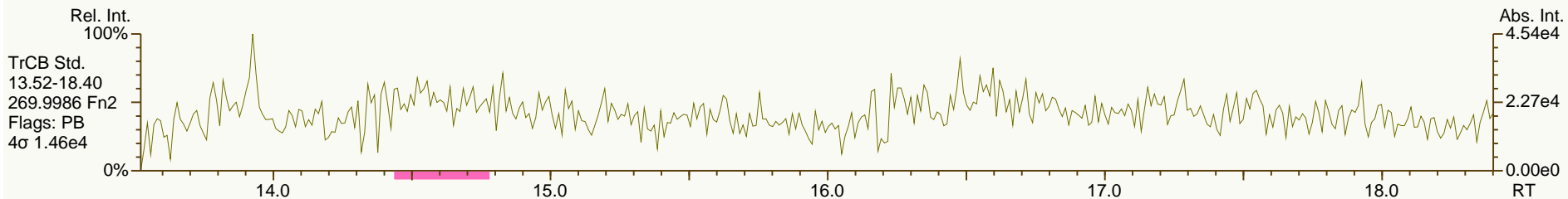
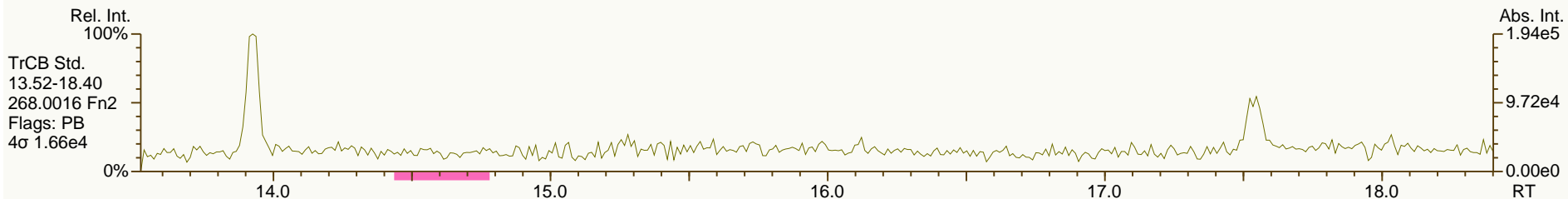
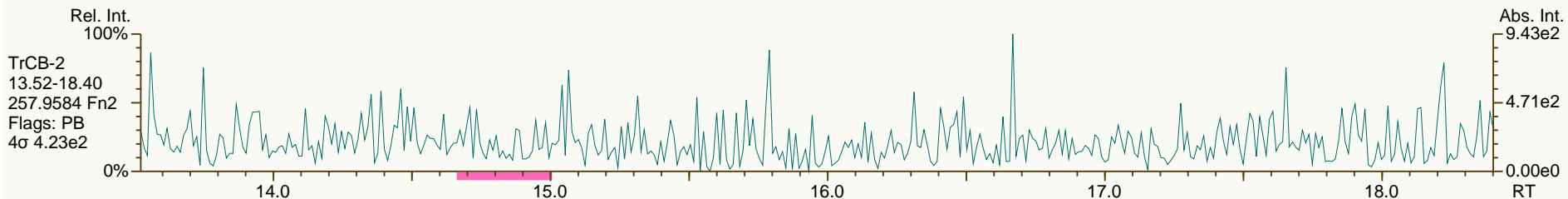
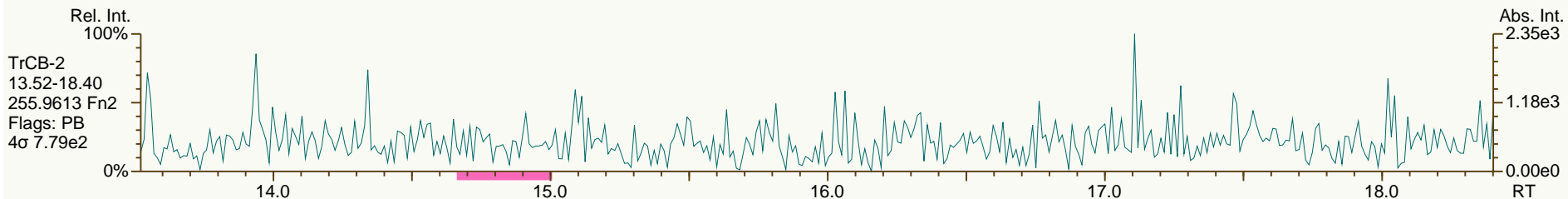
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

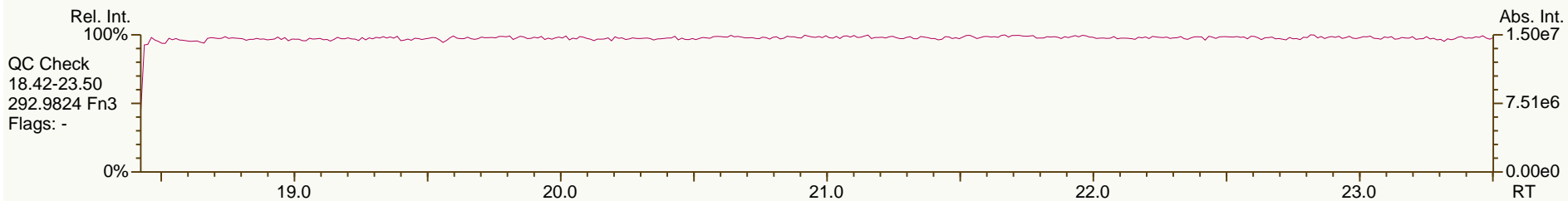
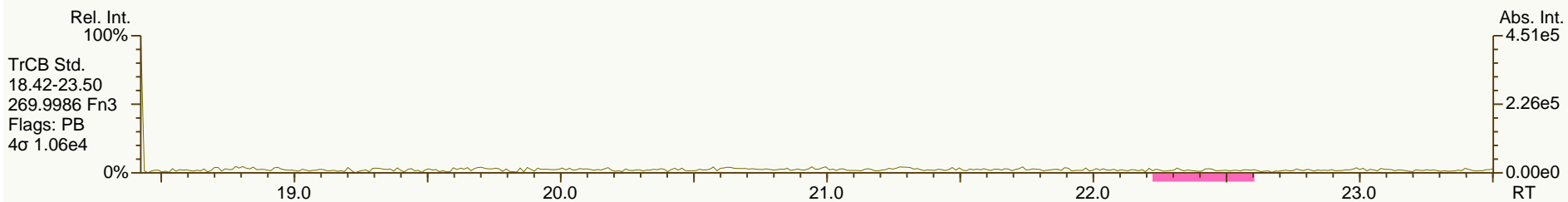
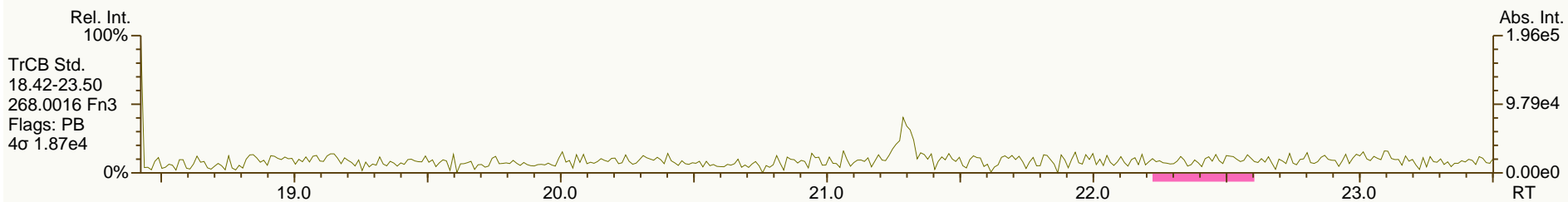
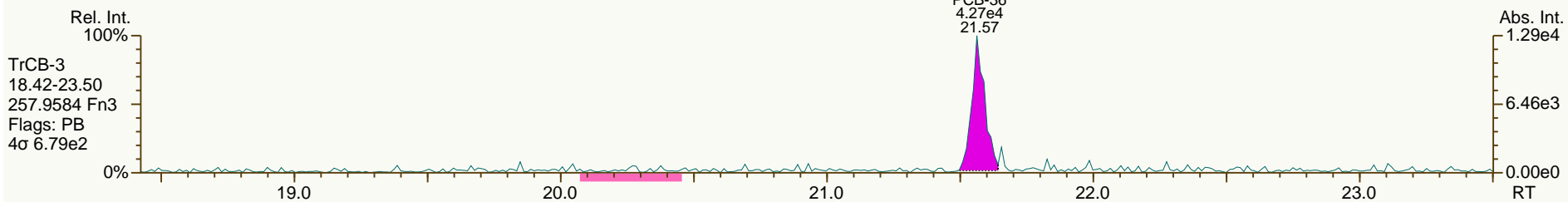
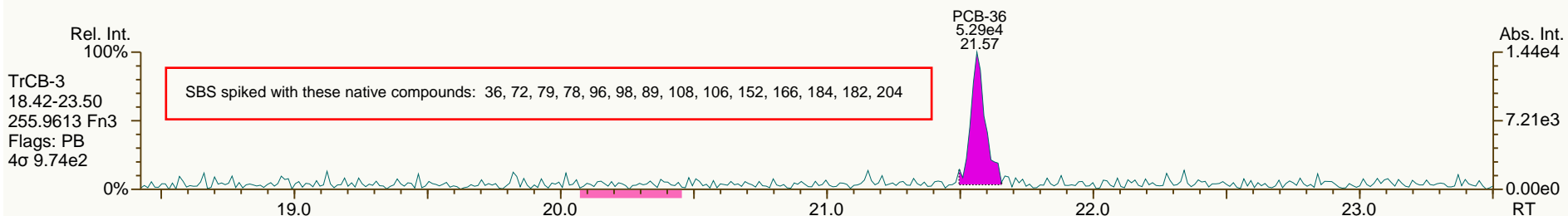
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

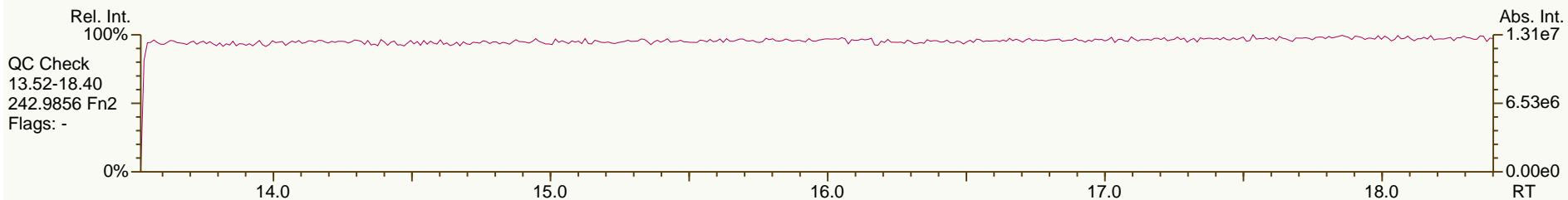
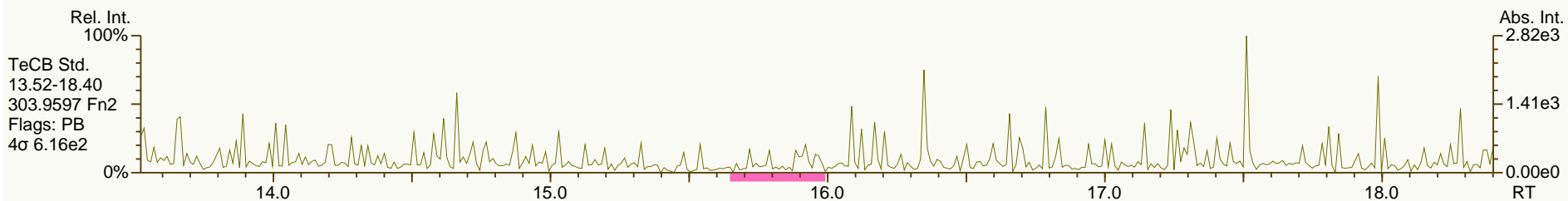
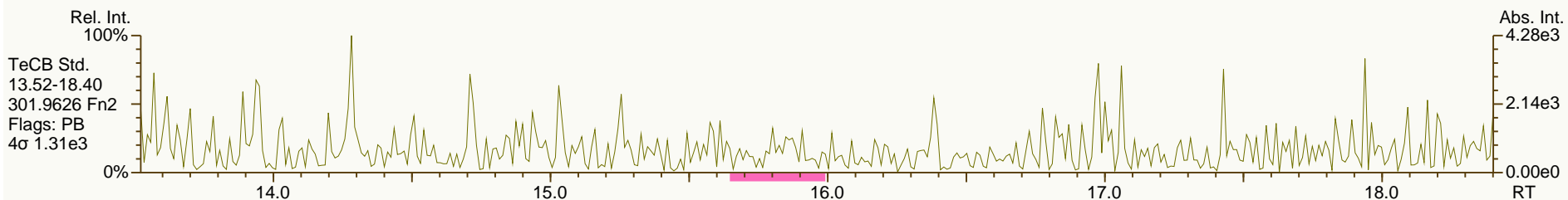
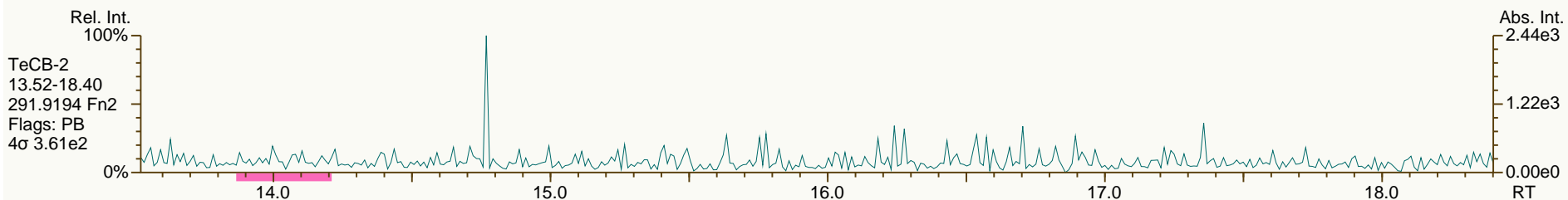
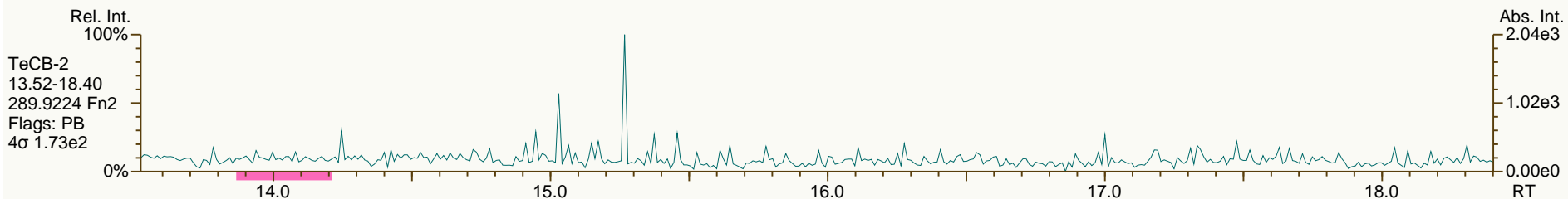
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

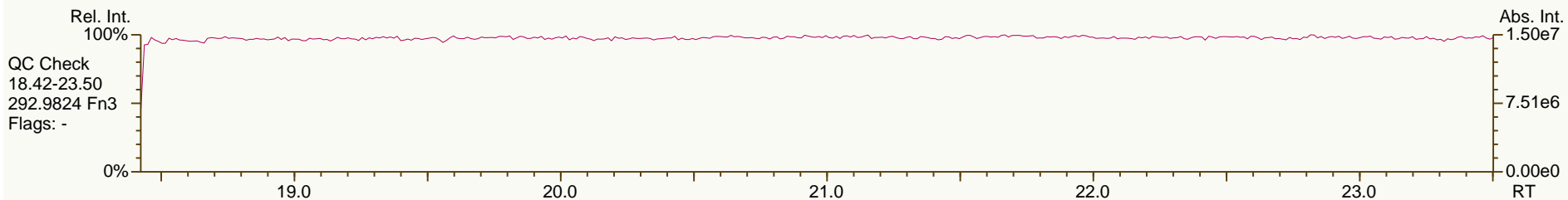
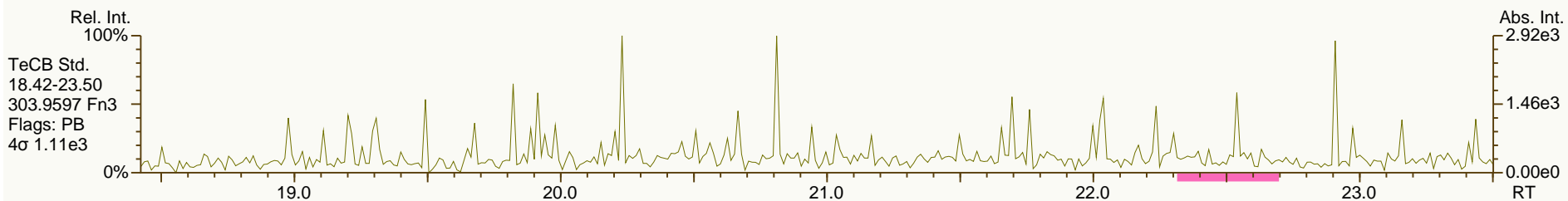
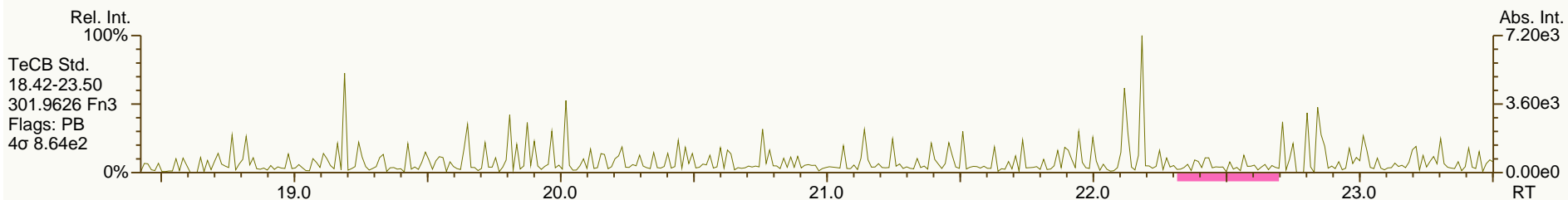
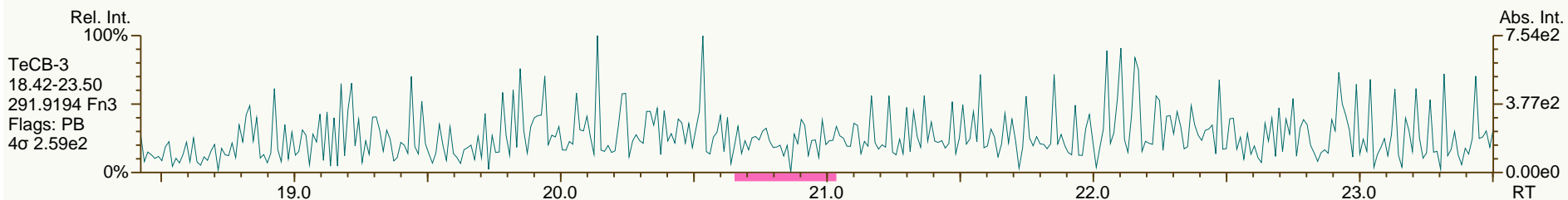
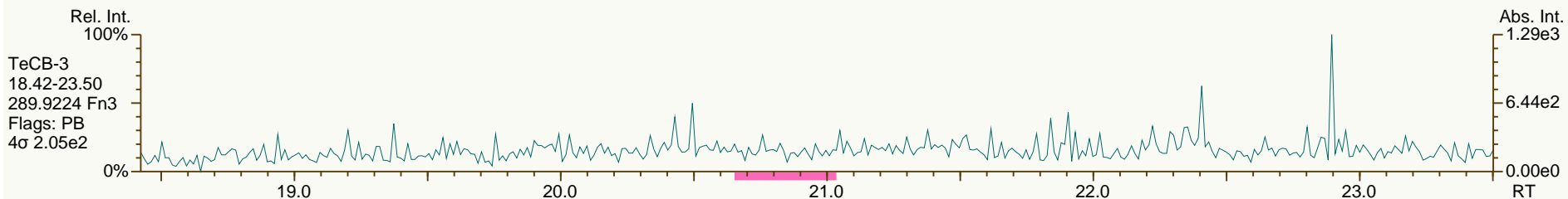
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

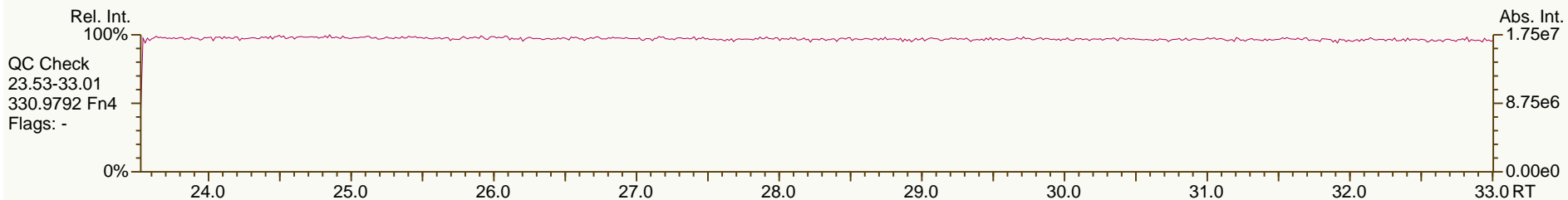
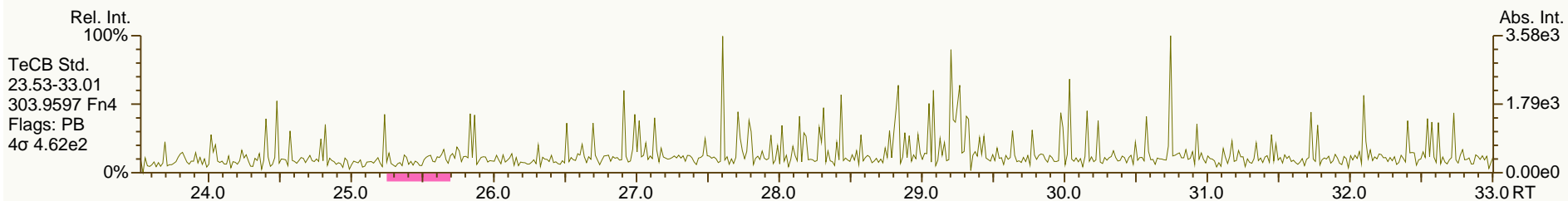
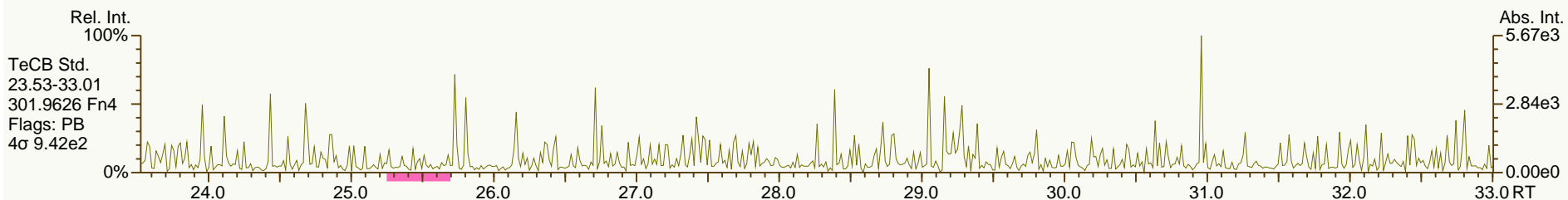
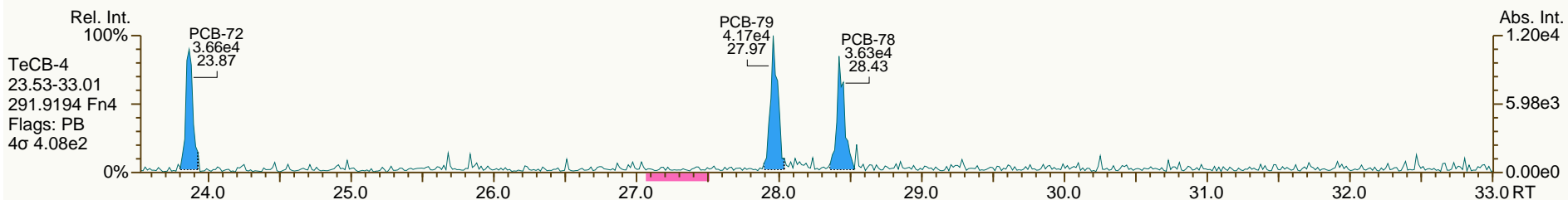
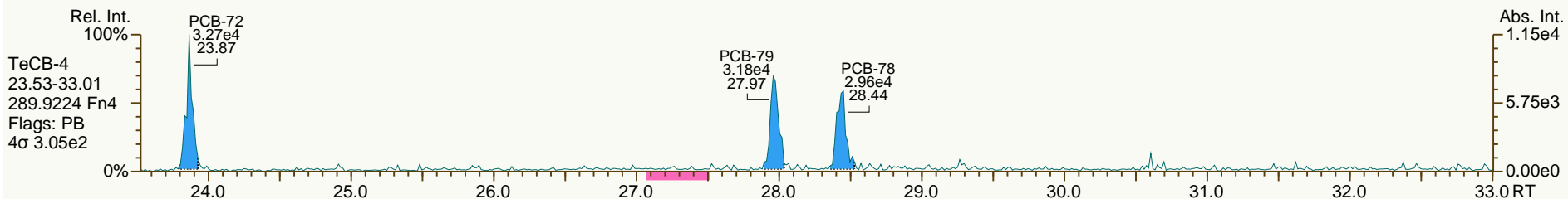
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

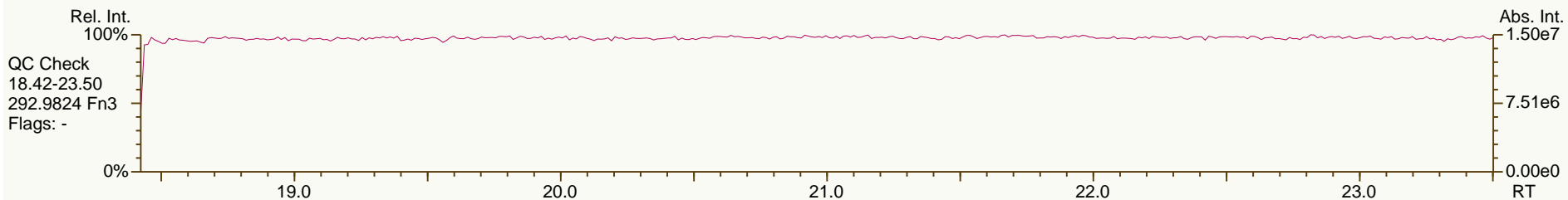
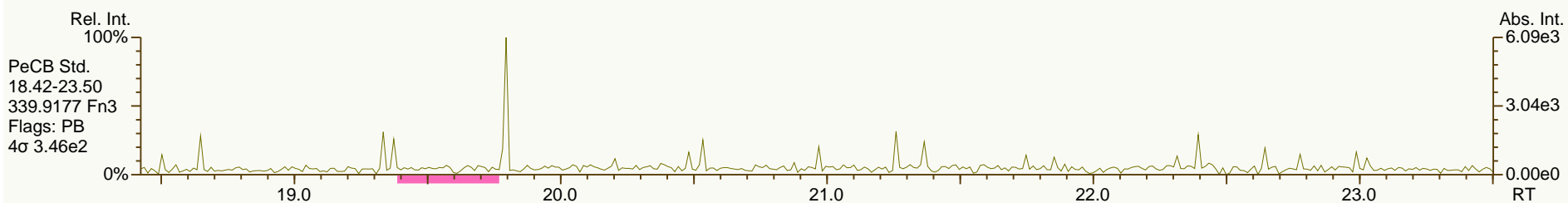
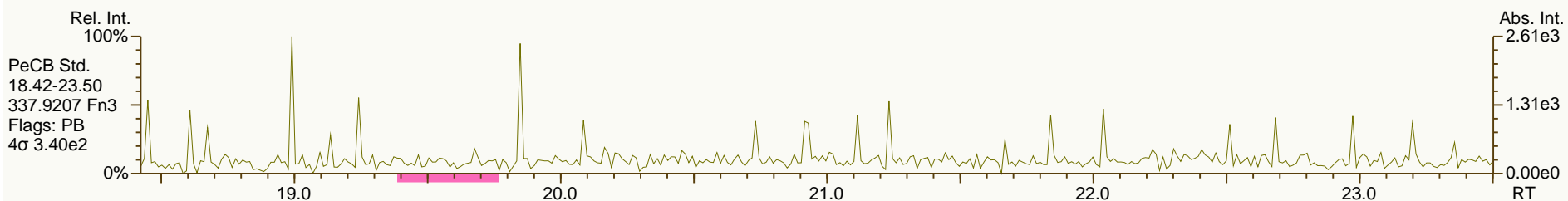
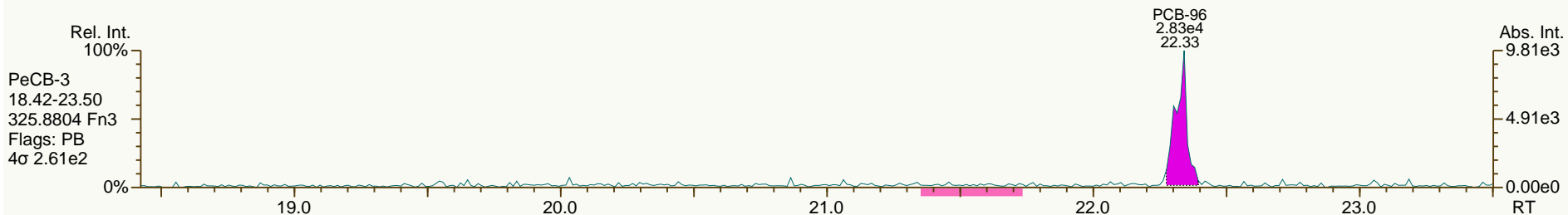
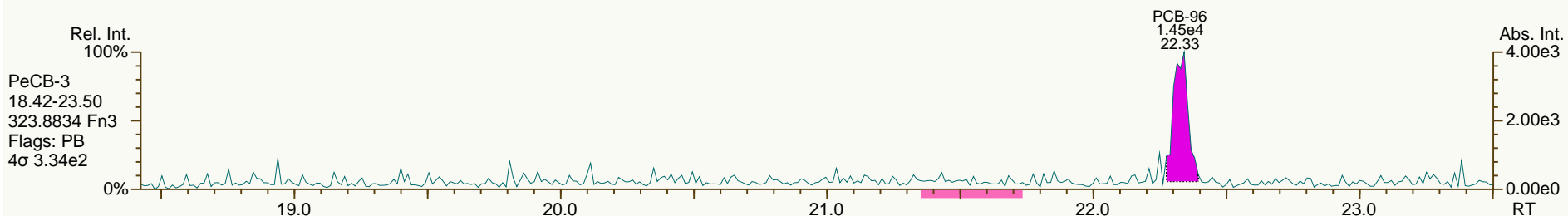
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

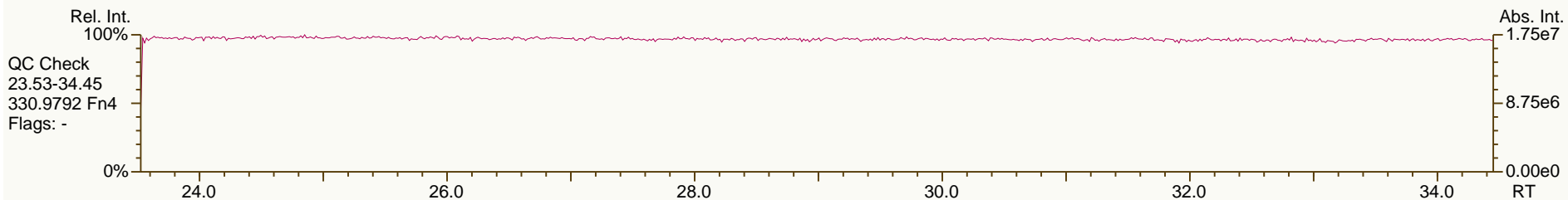
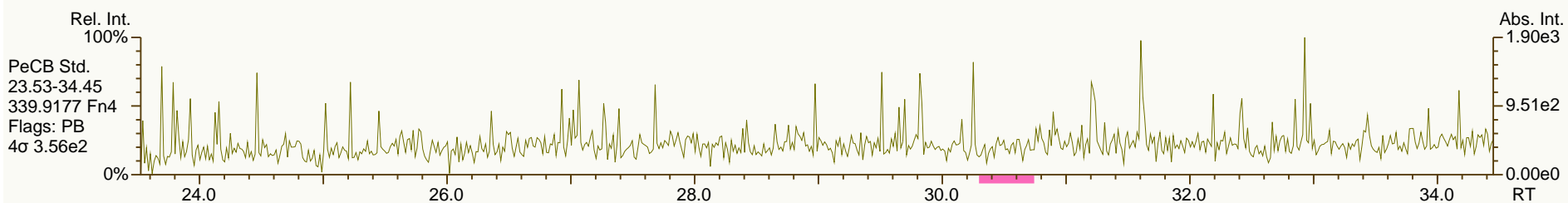
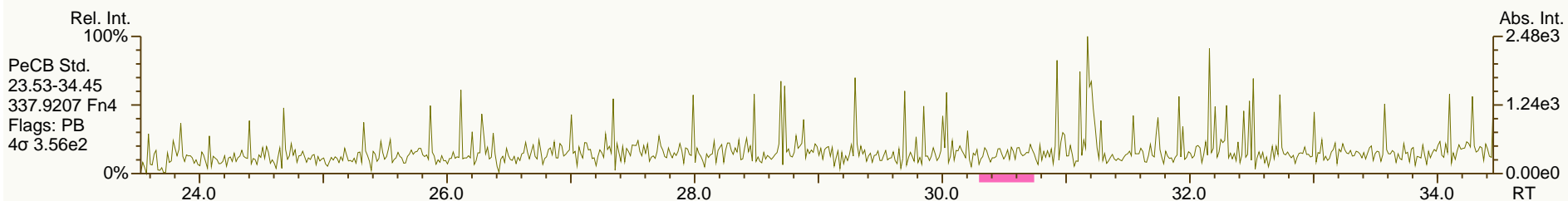
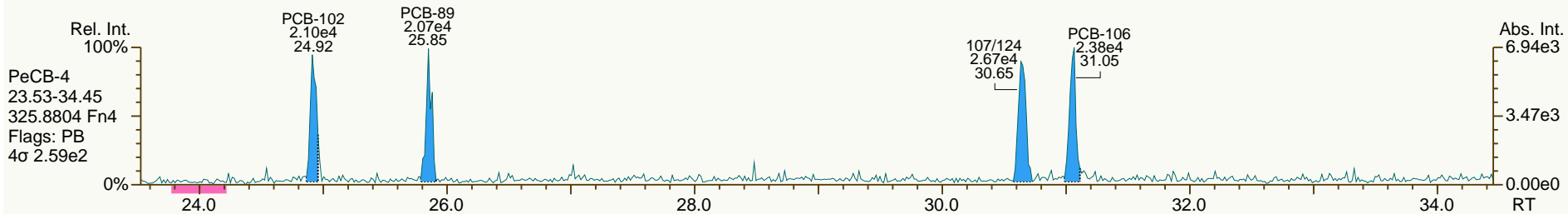
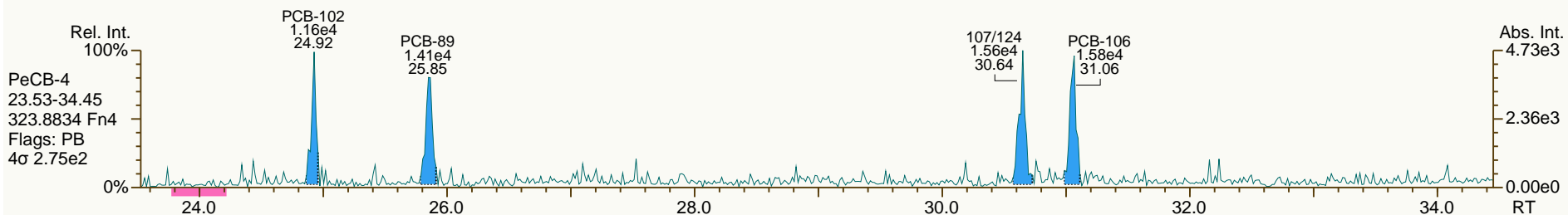
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

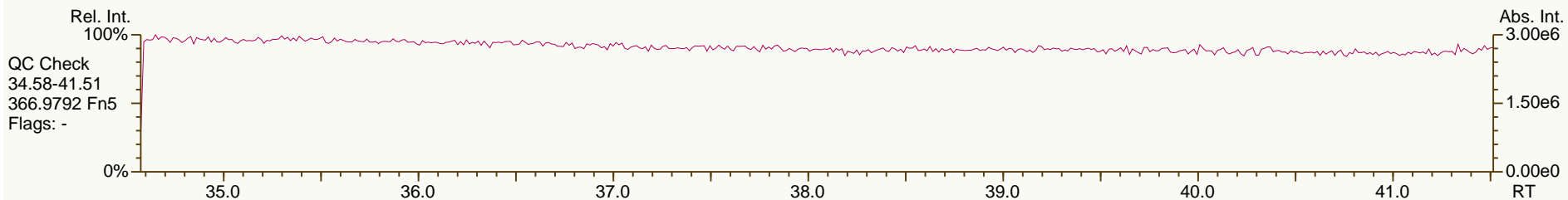
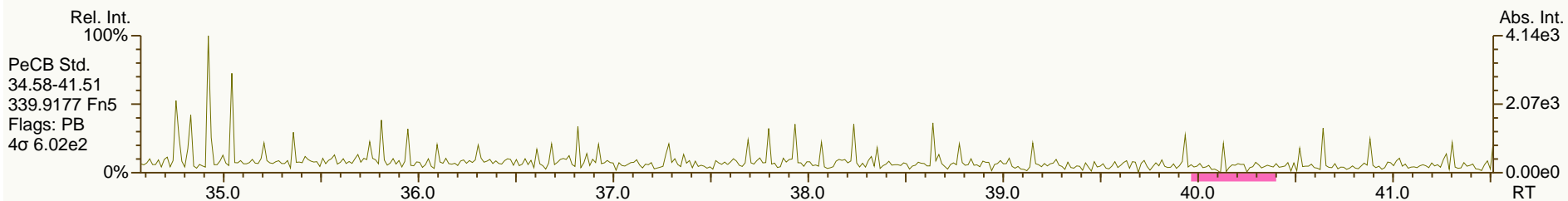
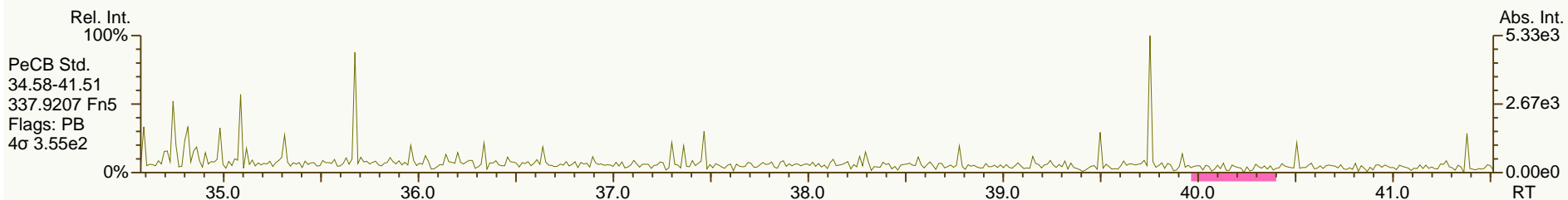
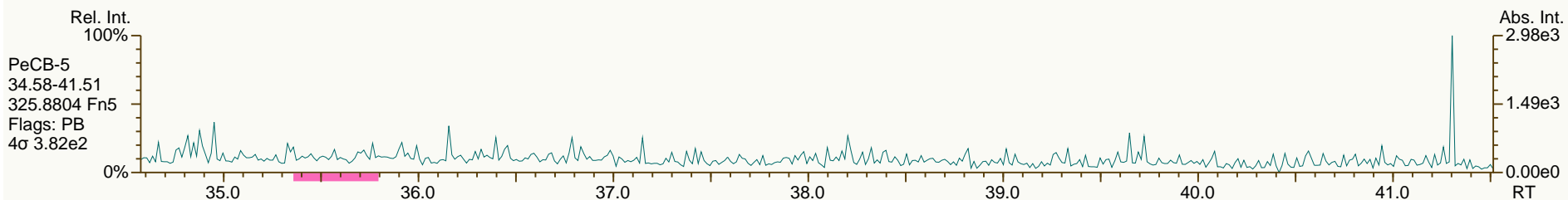
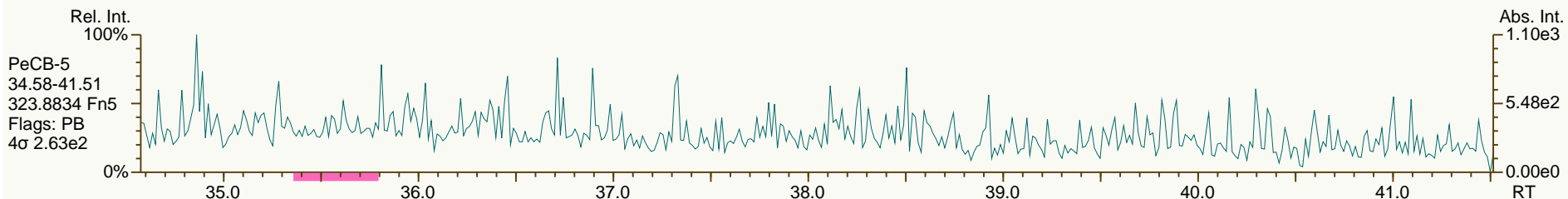
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

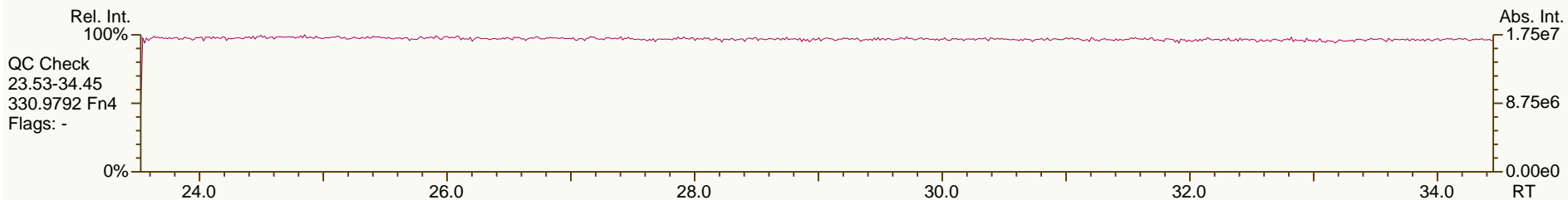
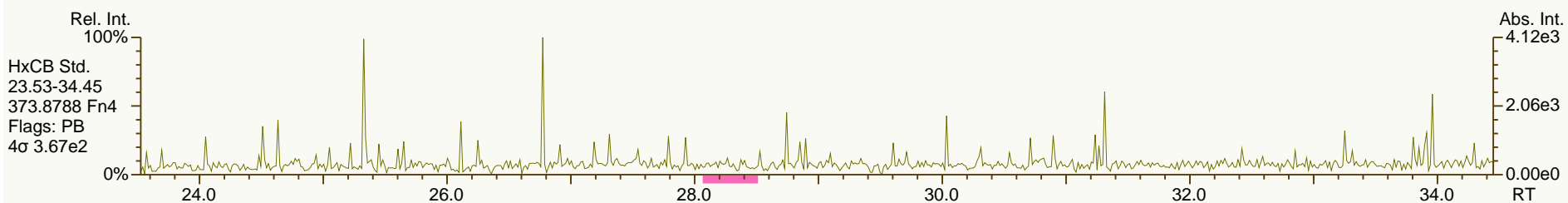
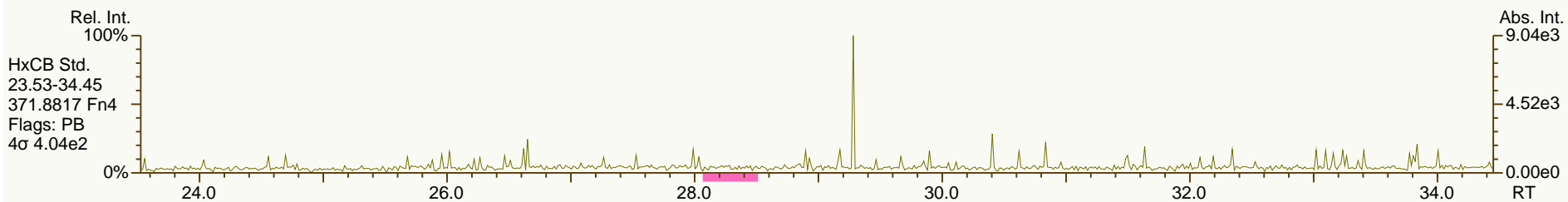
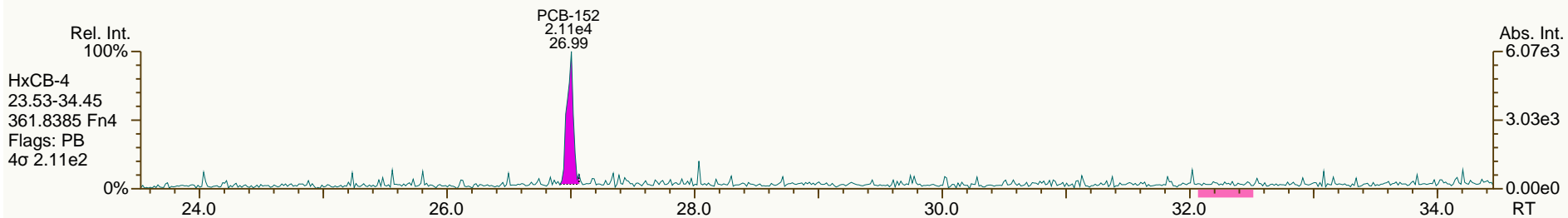
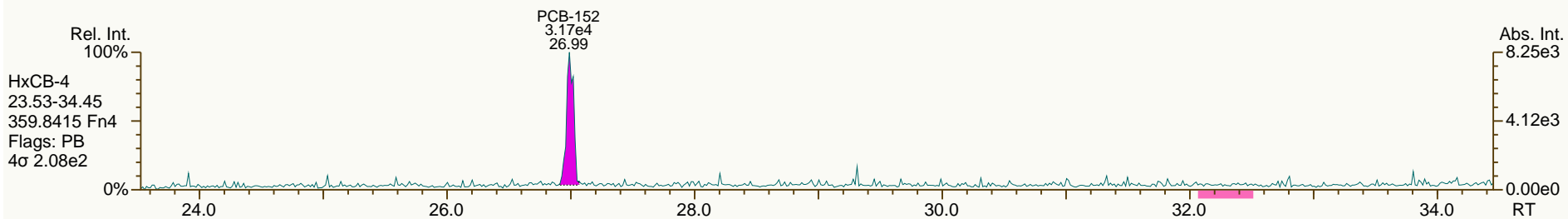
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

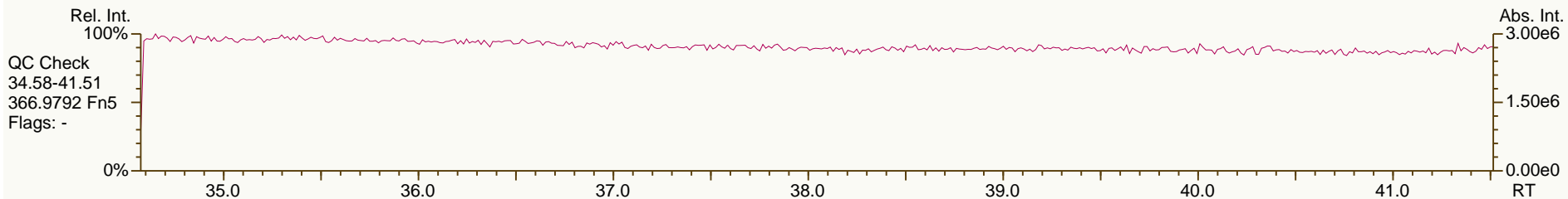
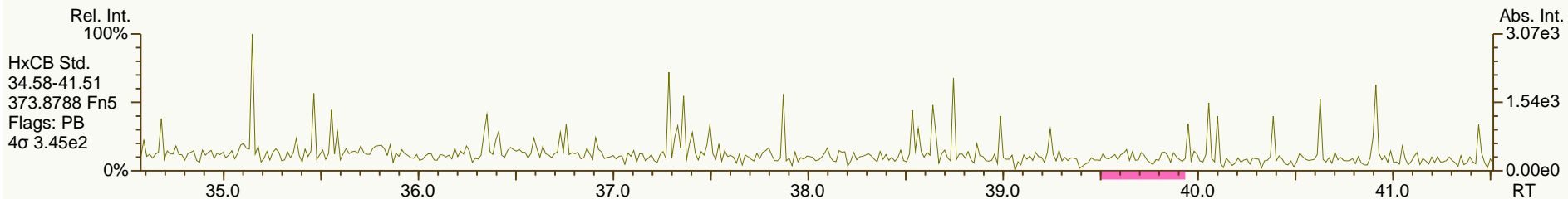
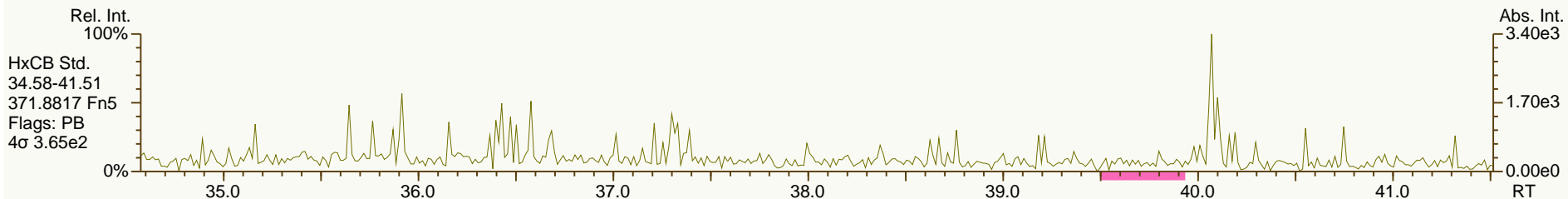
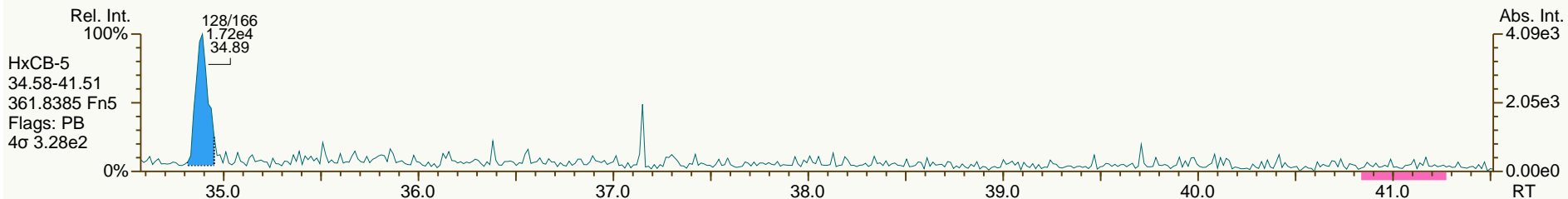
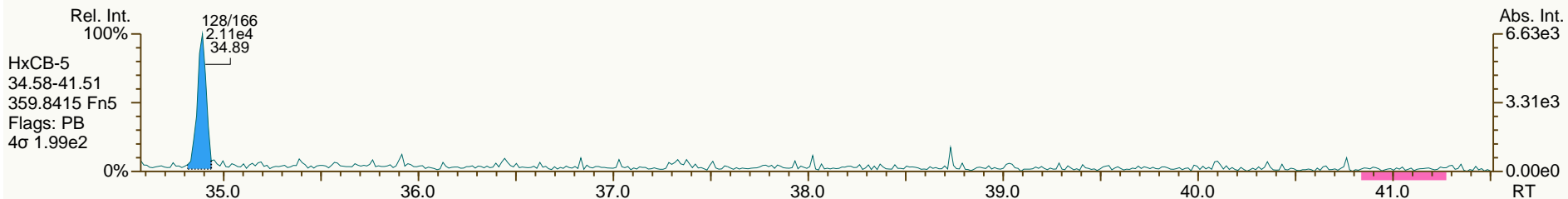
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

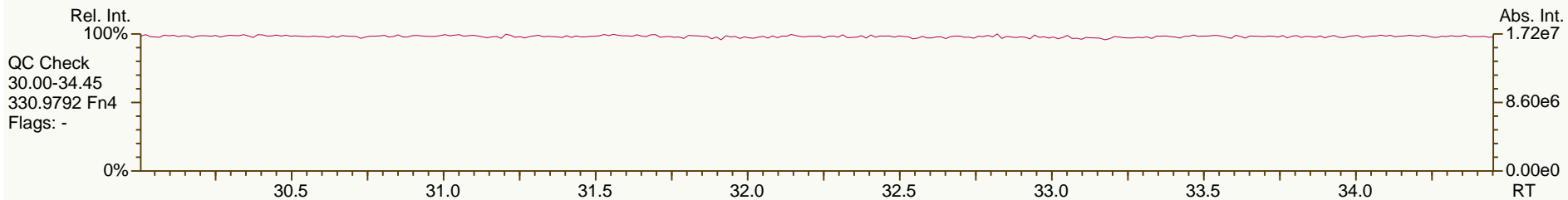
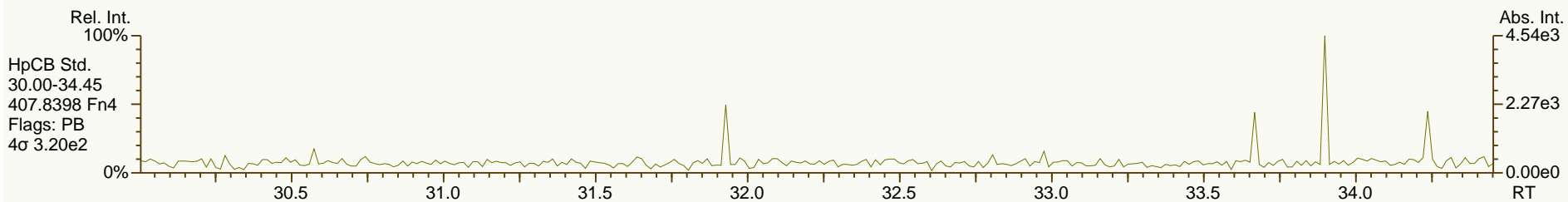
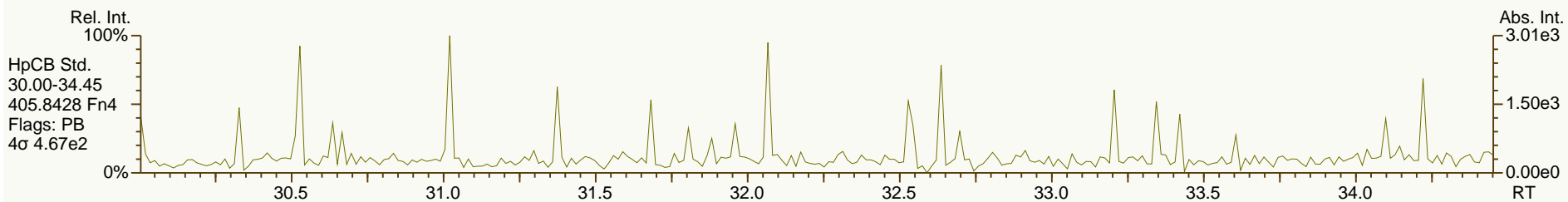
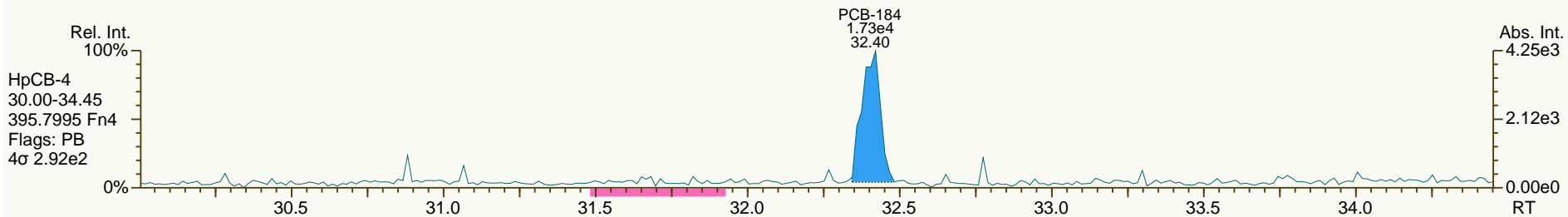
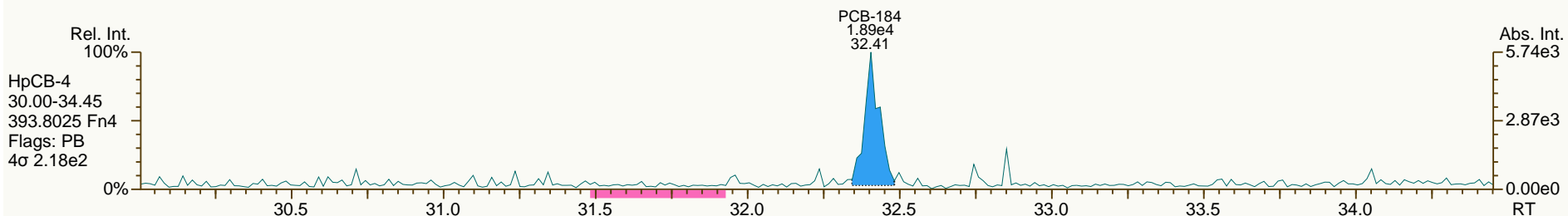
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

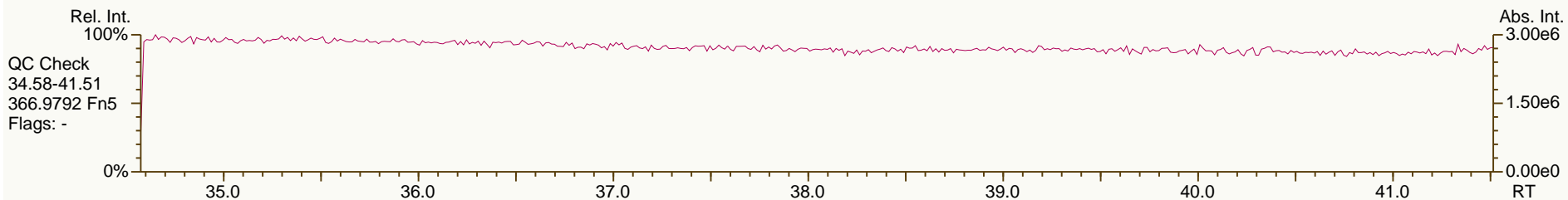
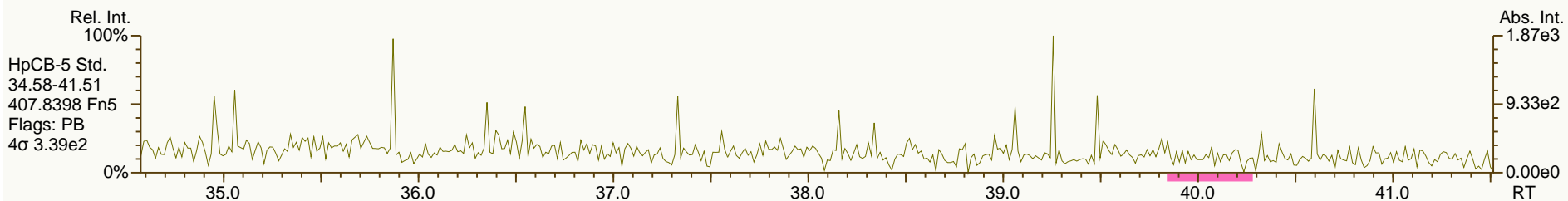
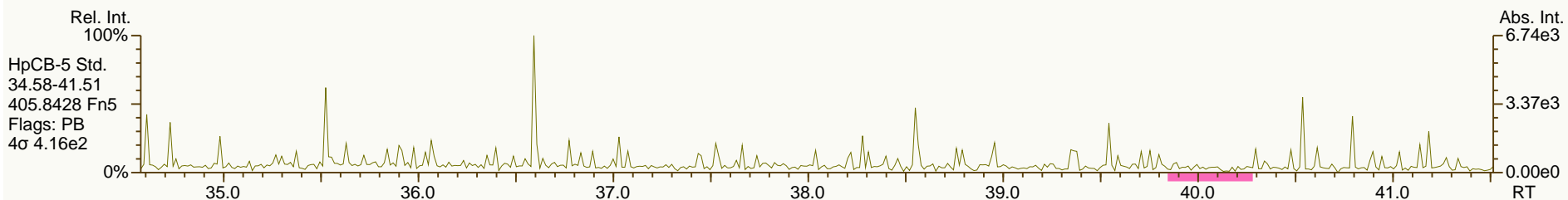
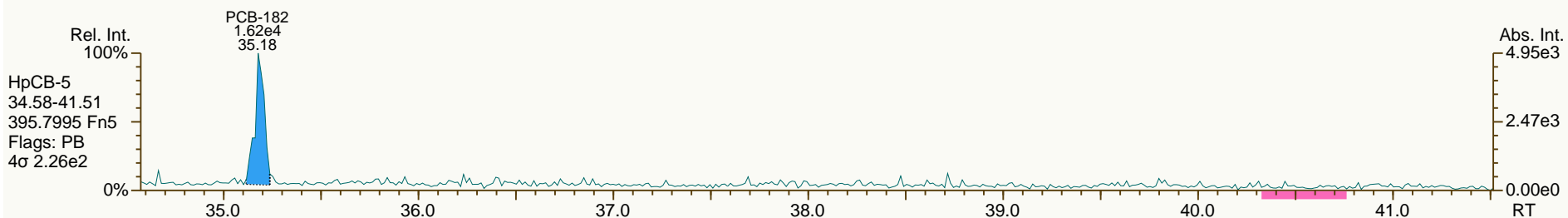
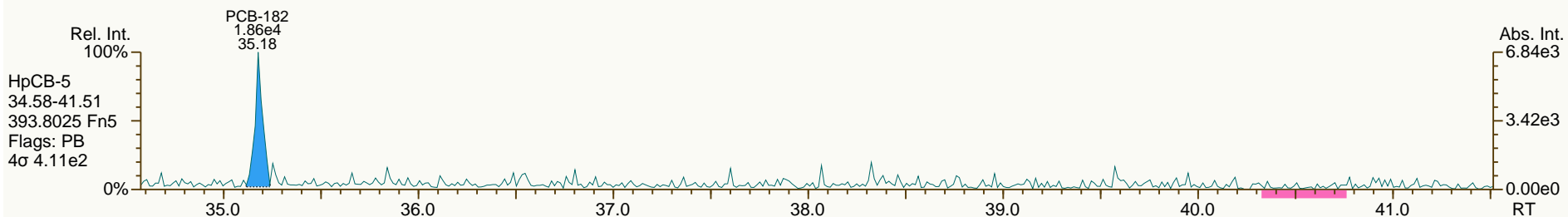
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

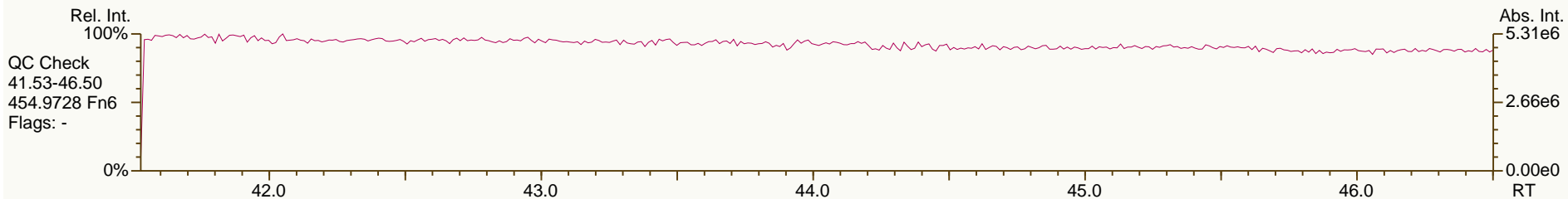
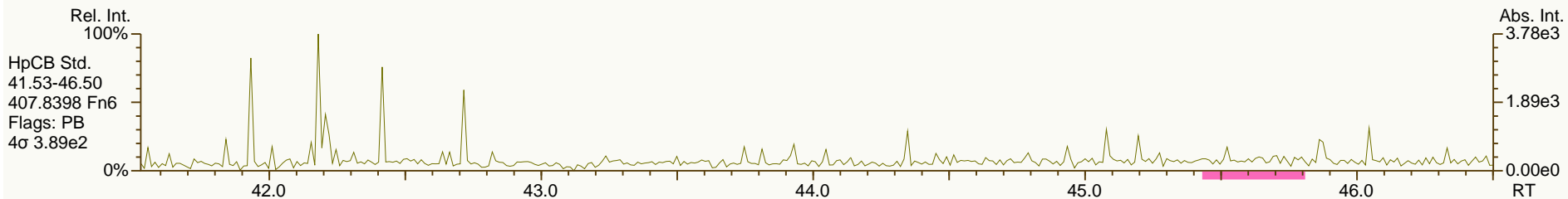
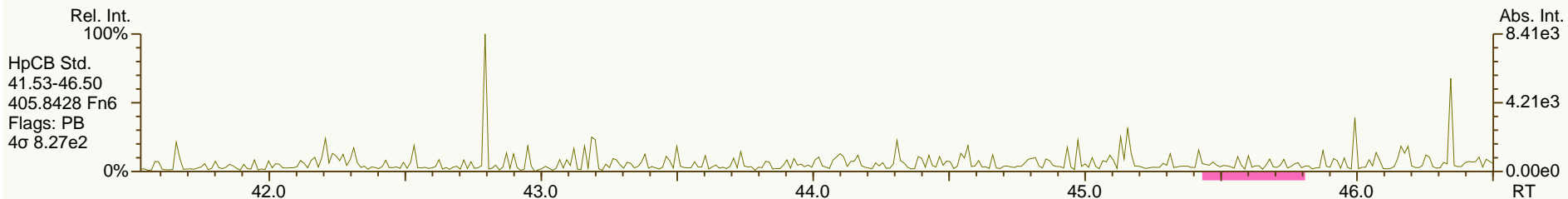
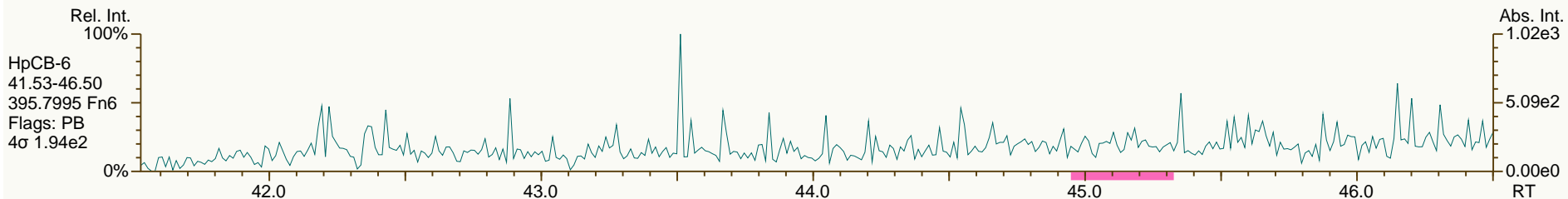
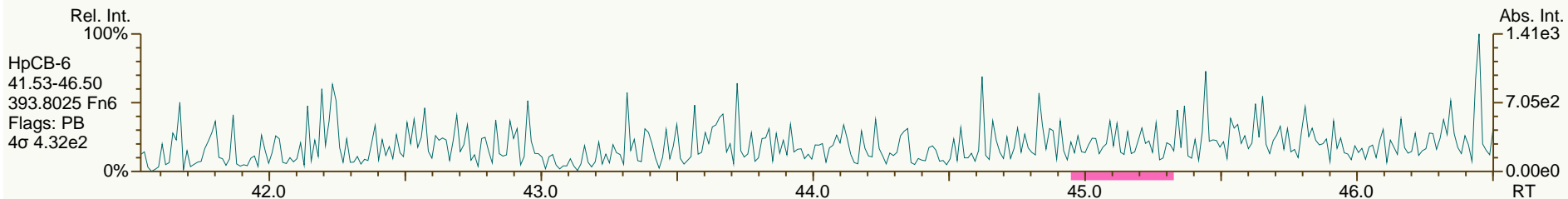
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

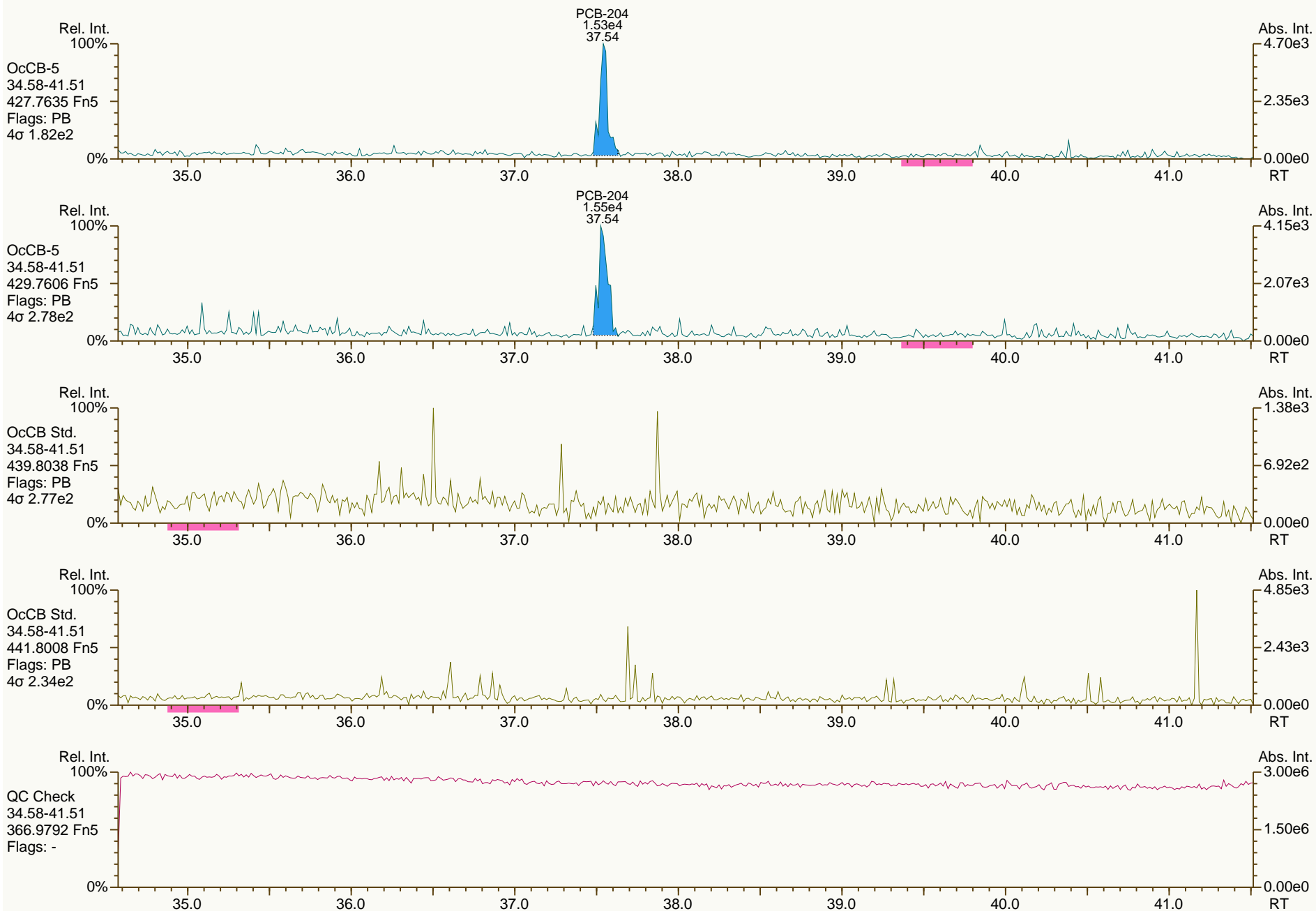
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

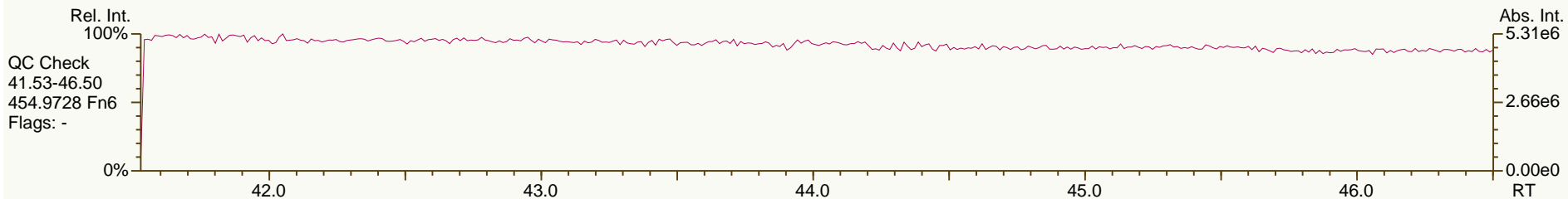
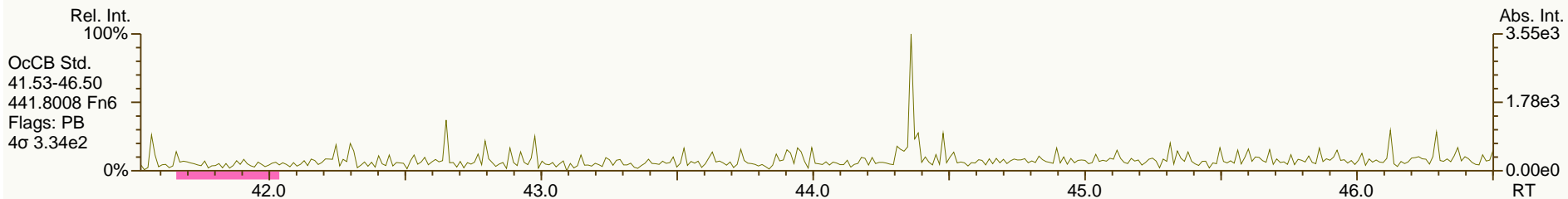
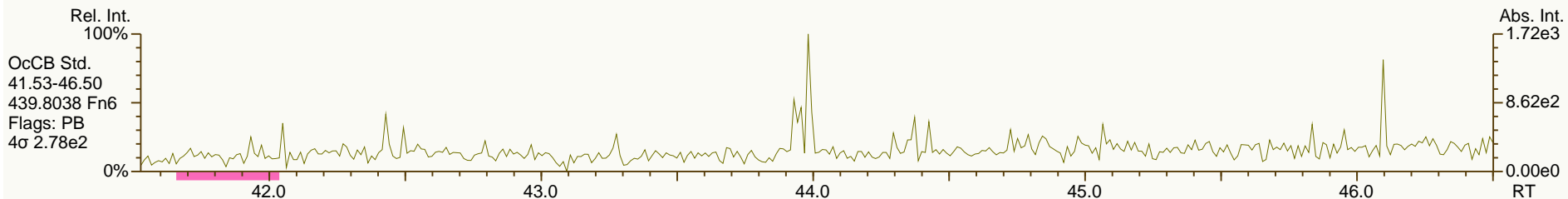
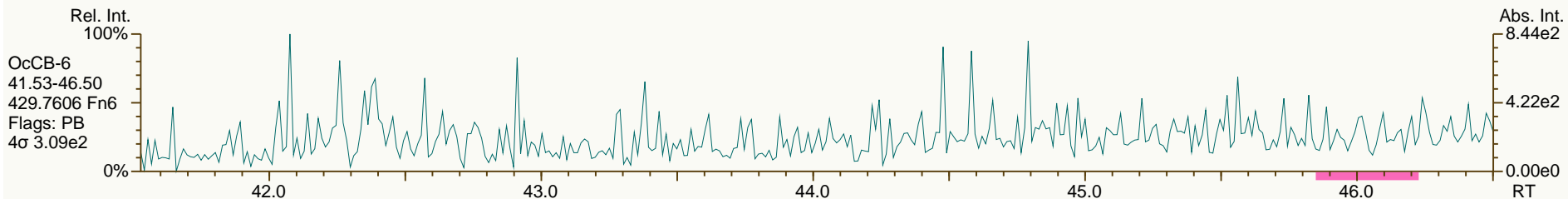
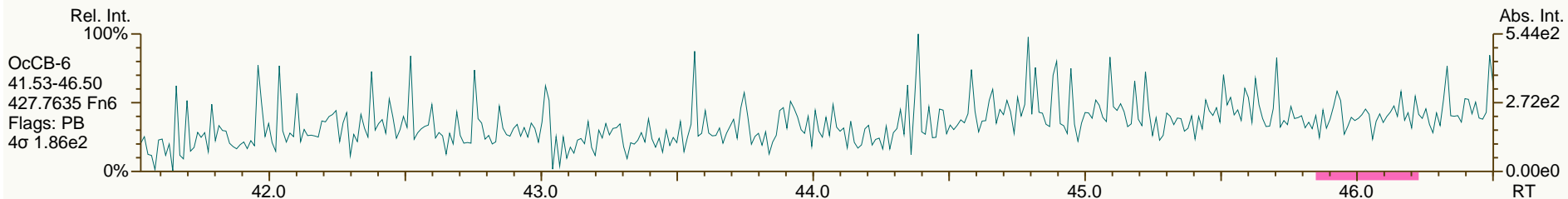
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

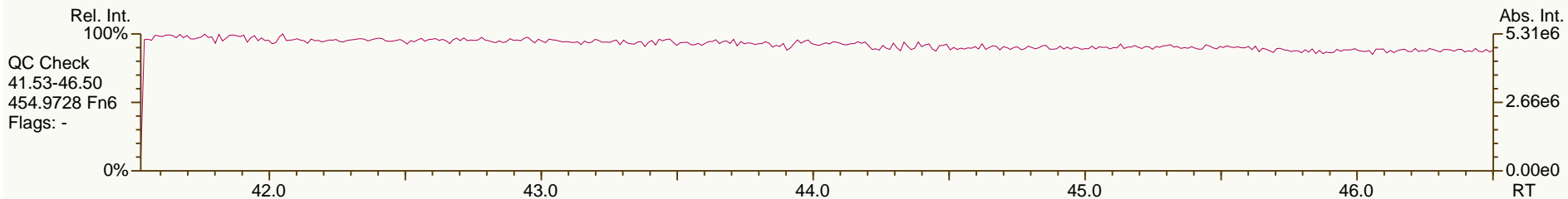
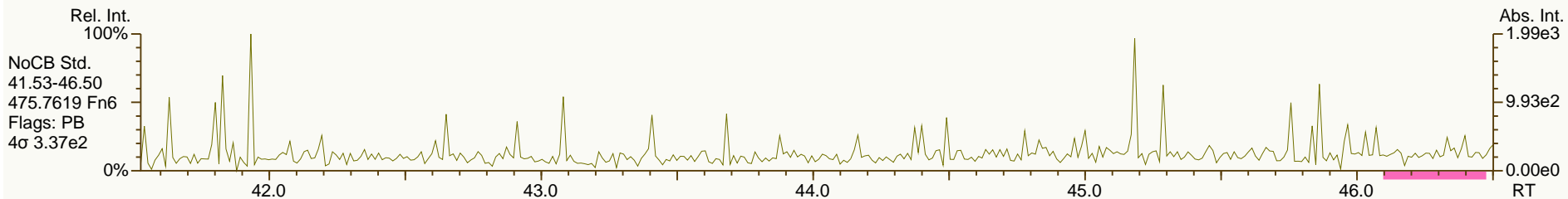
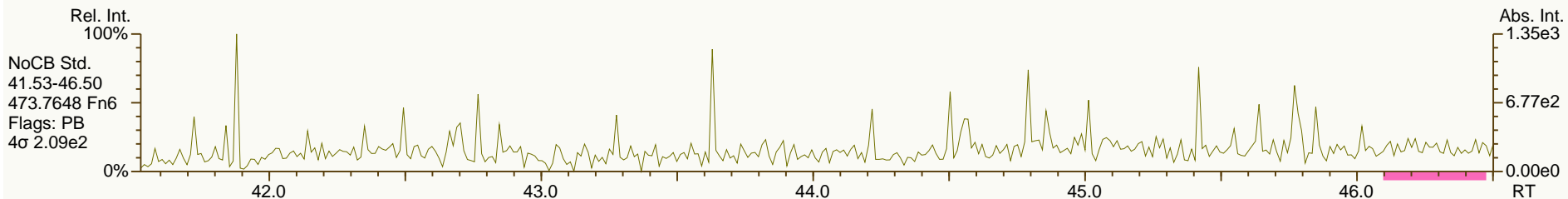
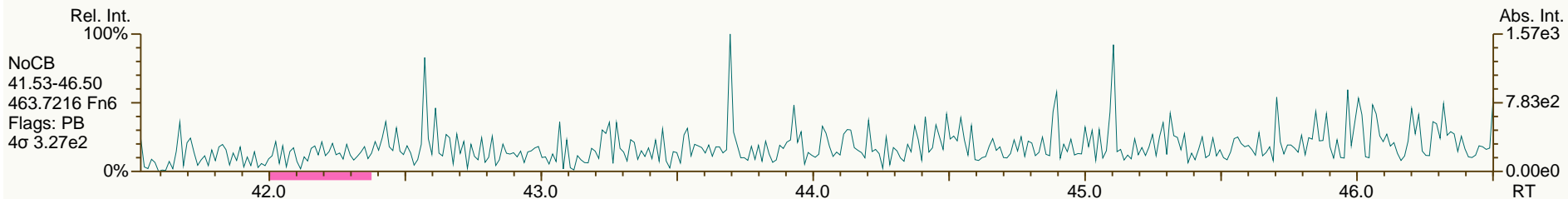
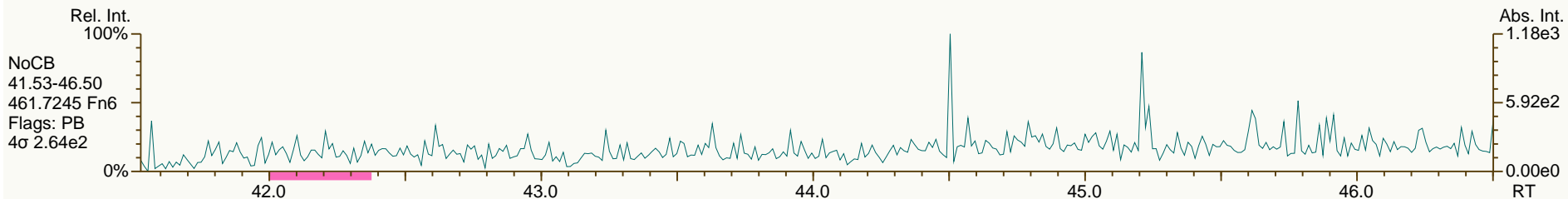
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

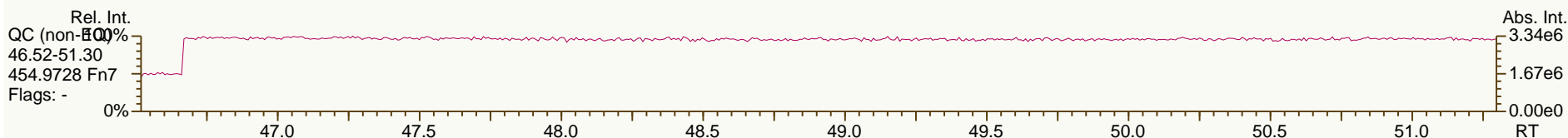
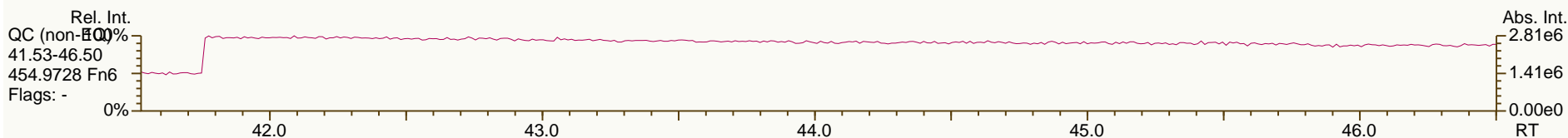
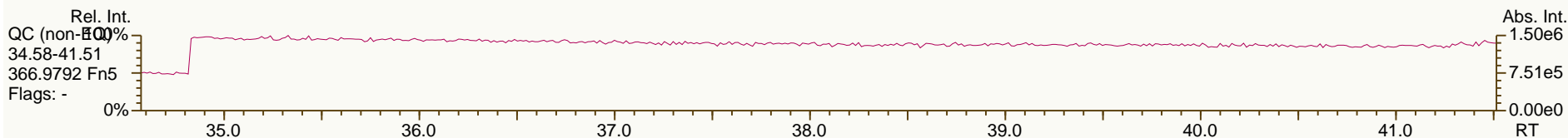
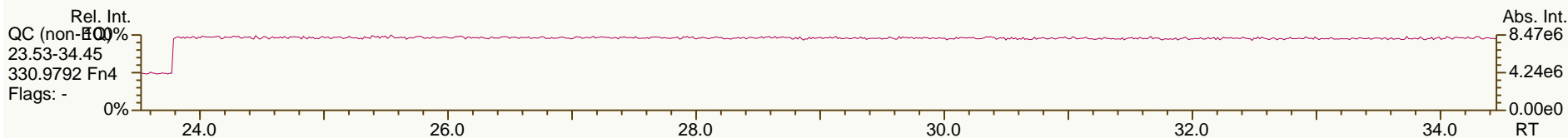
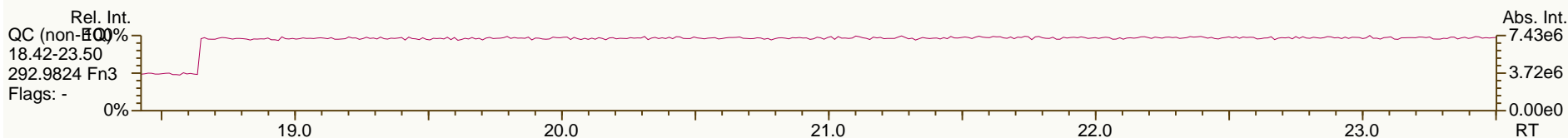
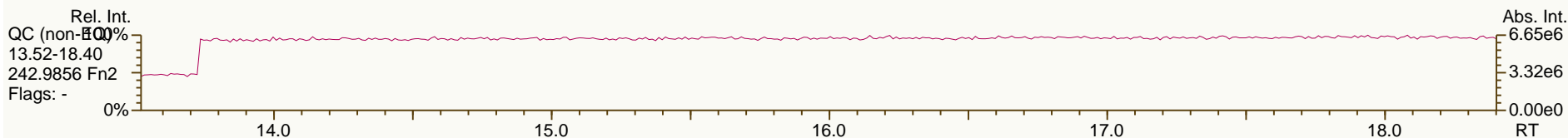
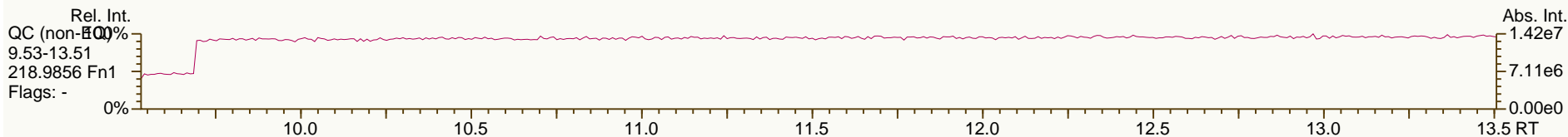
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

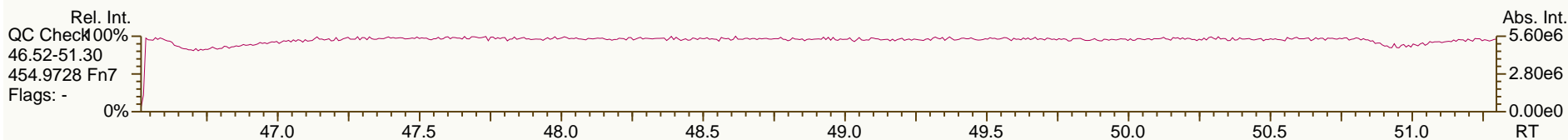
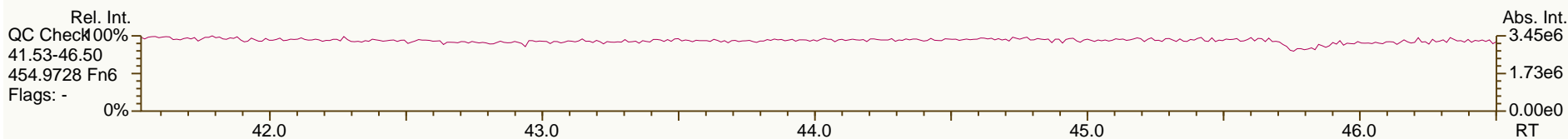
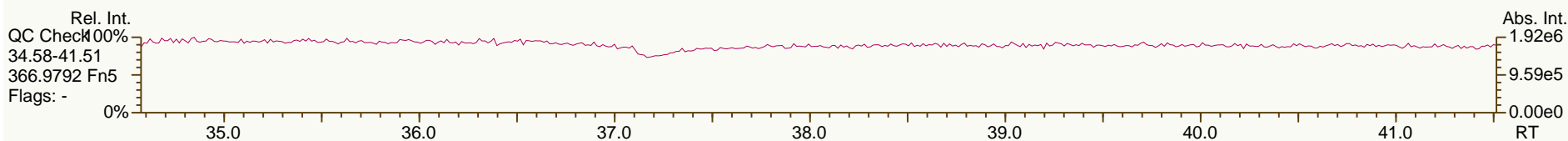
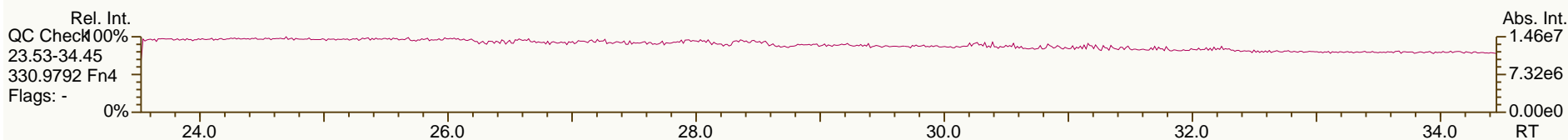
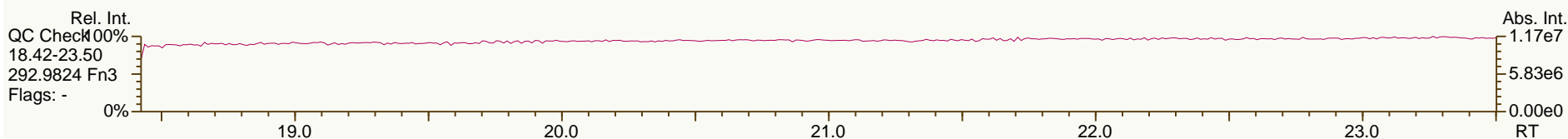
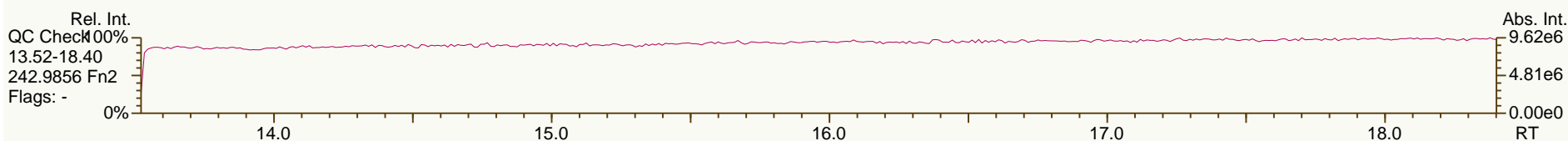
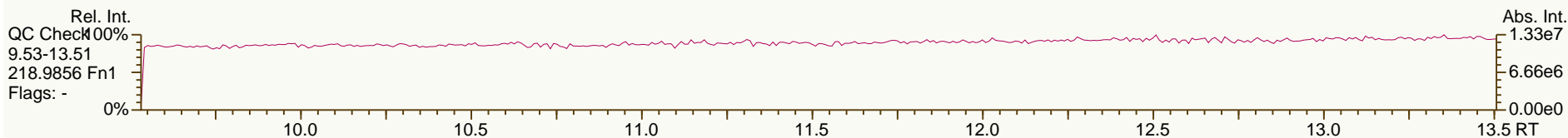
Acq: 05-Jul-2012 13:34:47
 User: LKB Datafile: 120705S03



AP Lab ID: SBS_120705_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

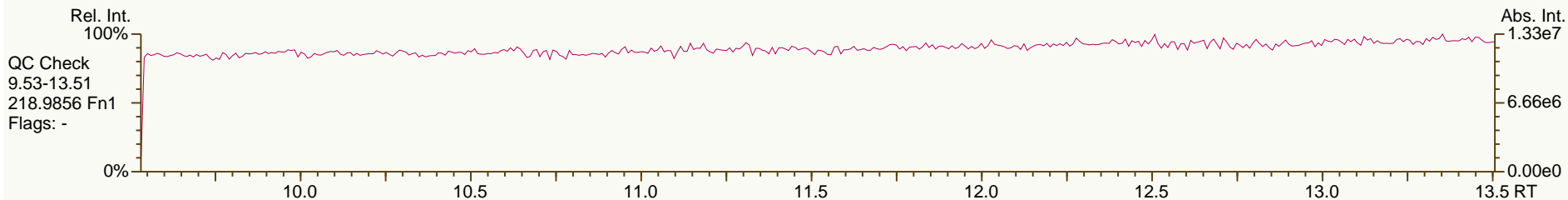
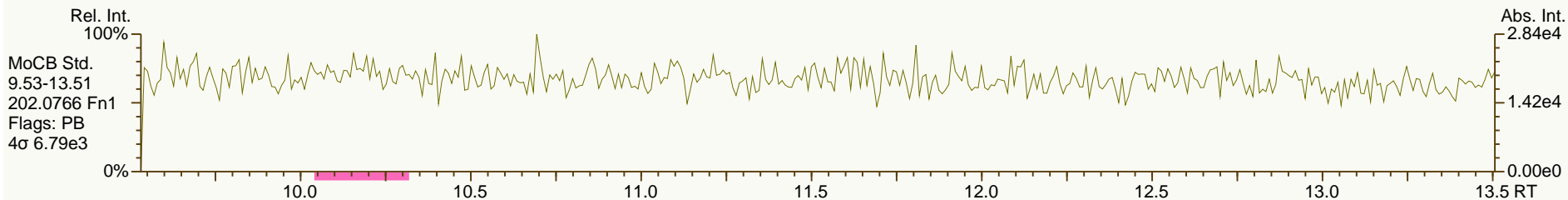
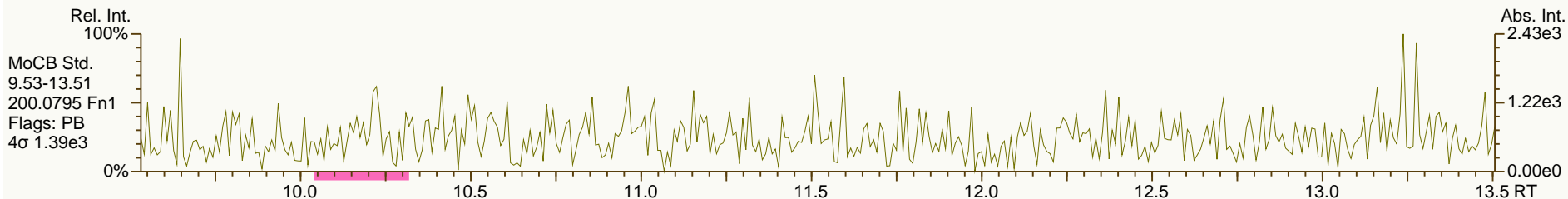
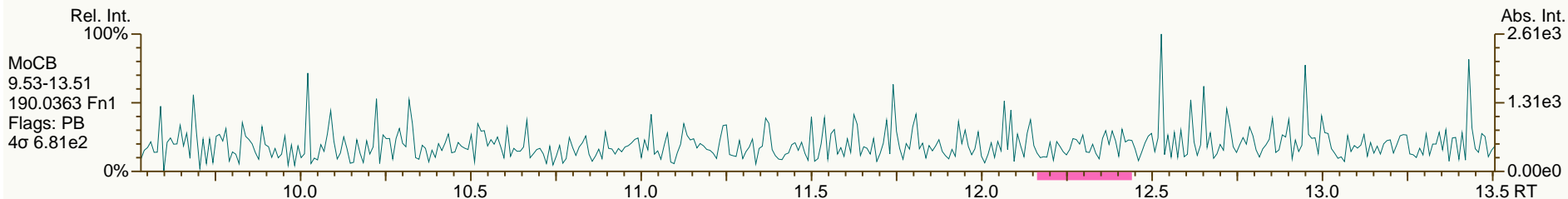
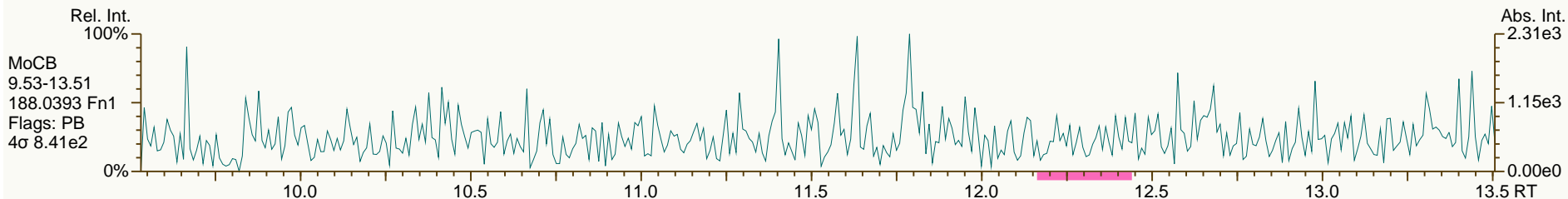
Acq: 05-Jul-2012 19:11:21
User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

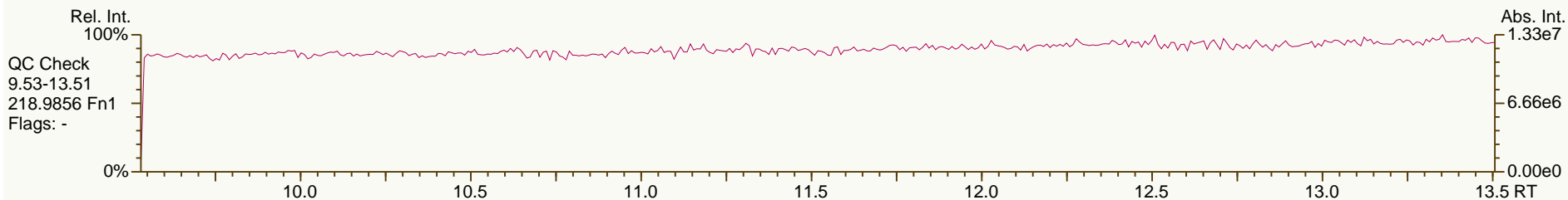
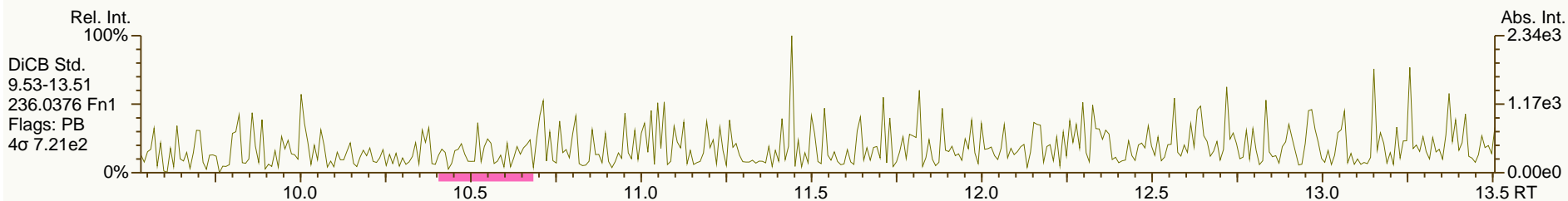
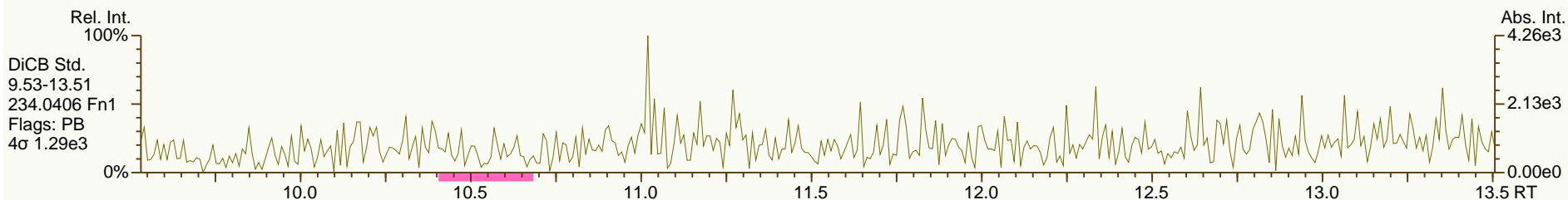
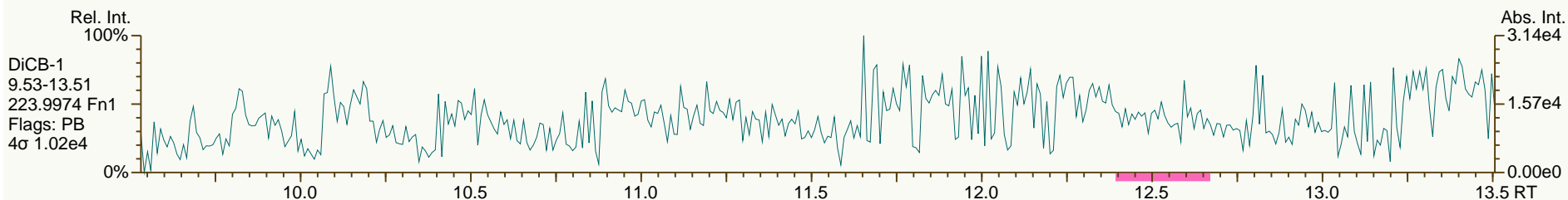
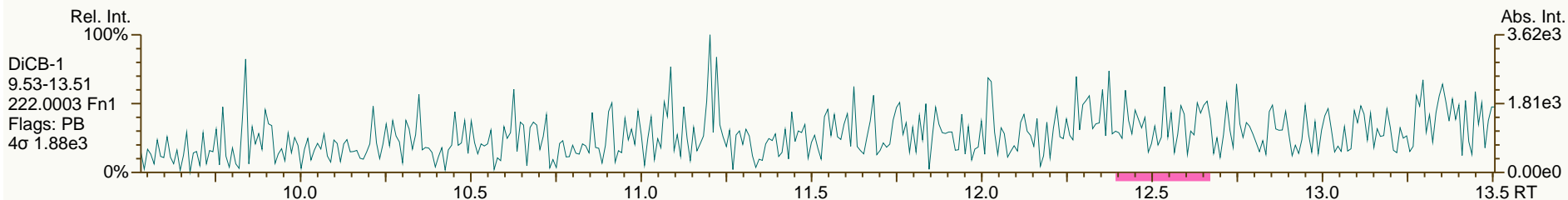
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

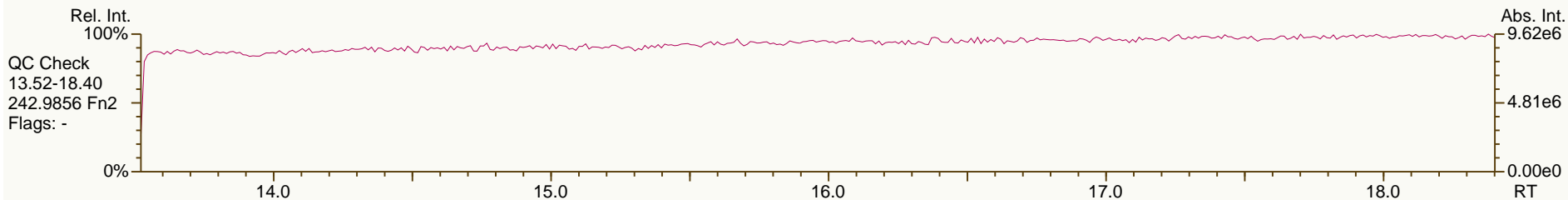
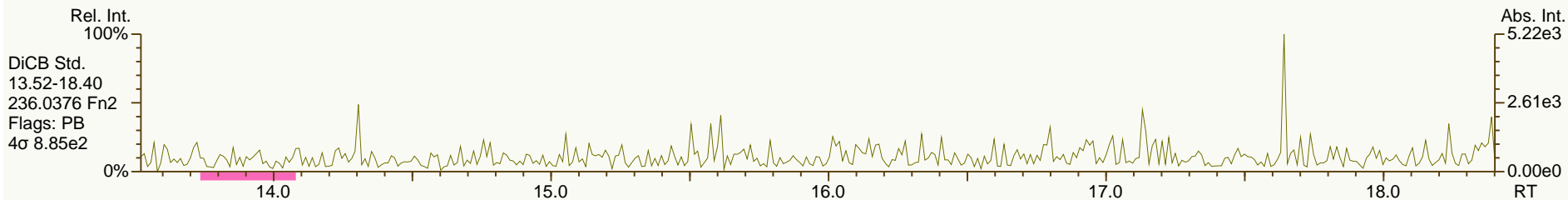
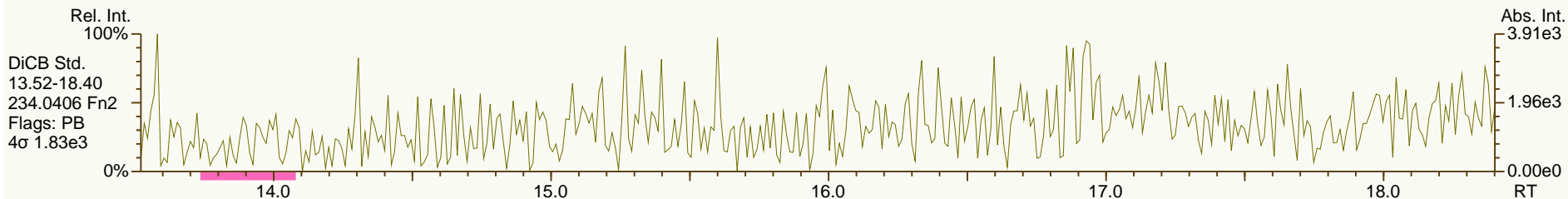
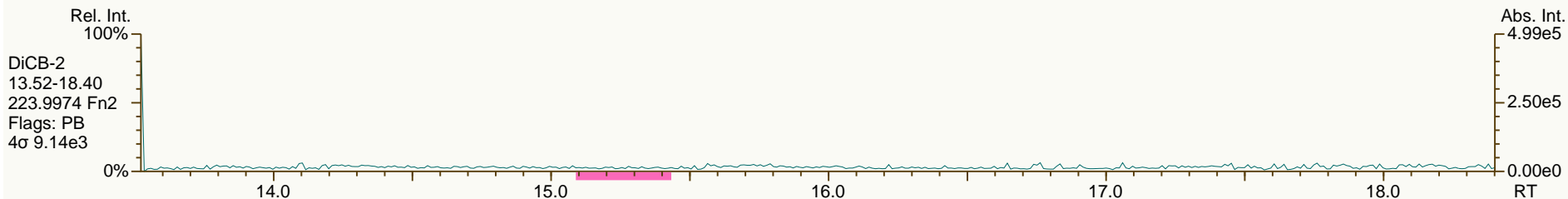
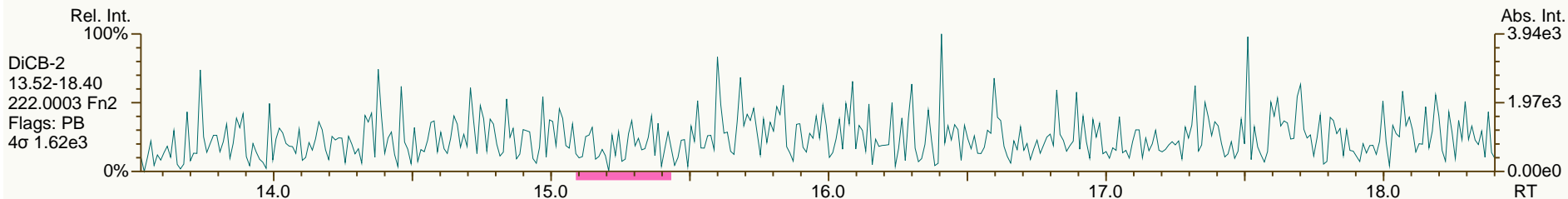
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

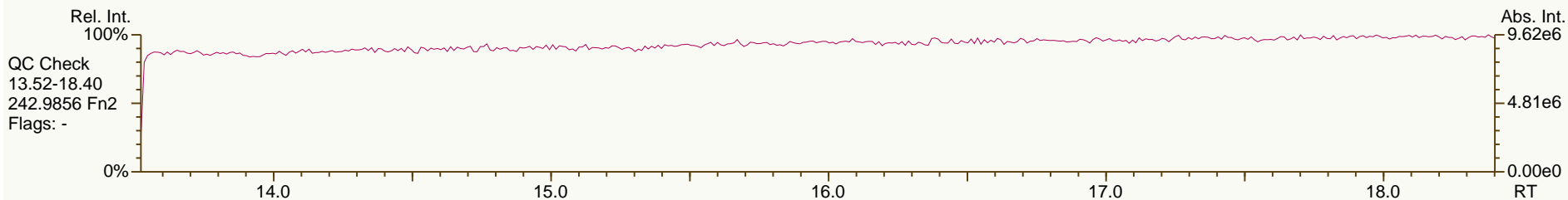
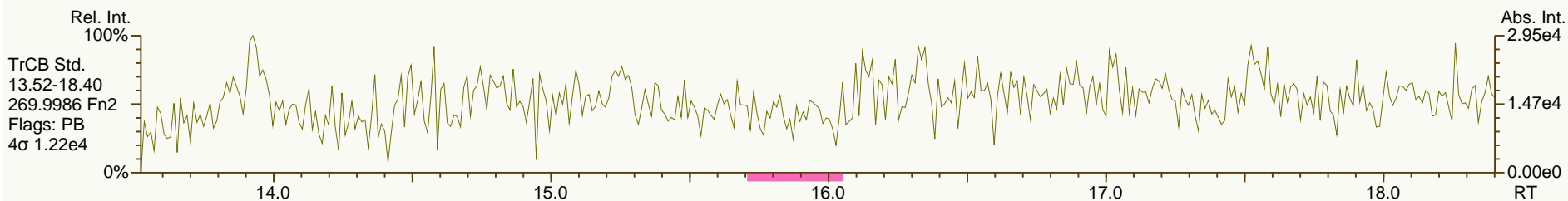
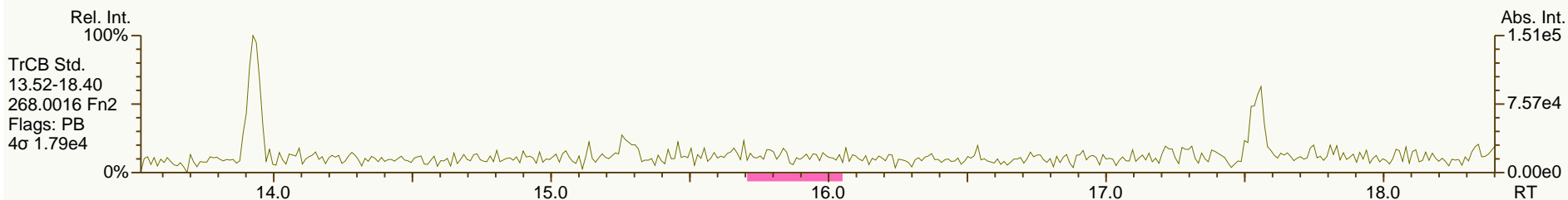
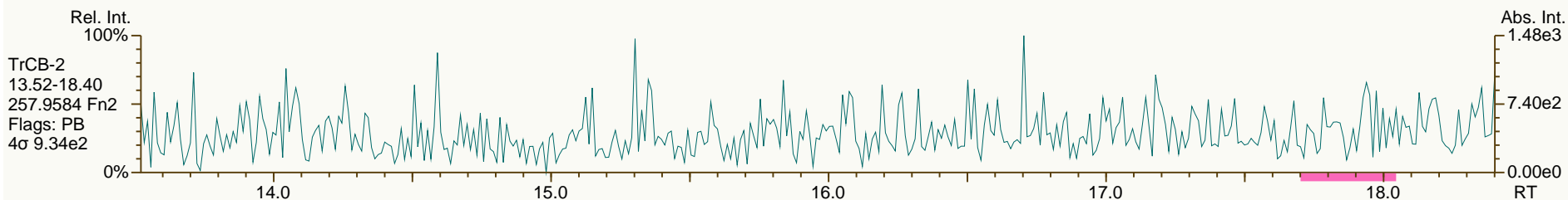
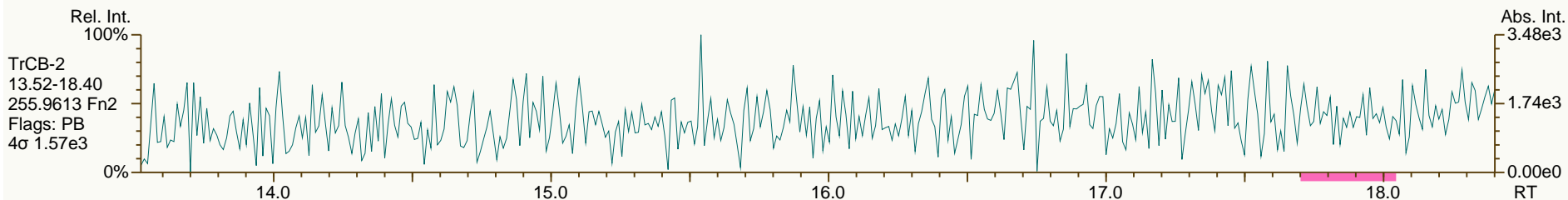
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

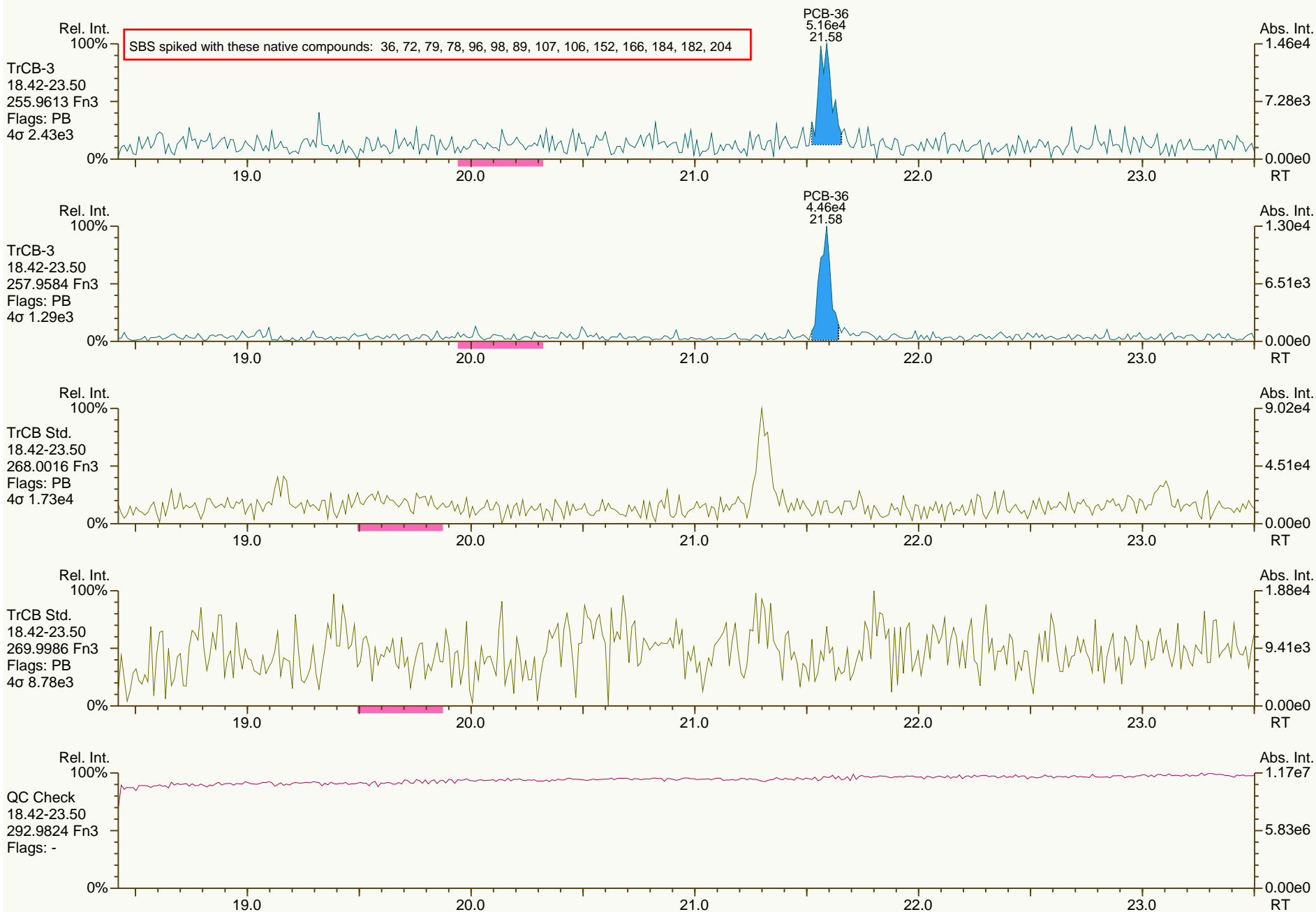
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

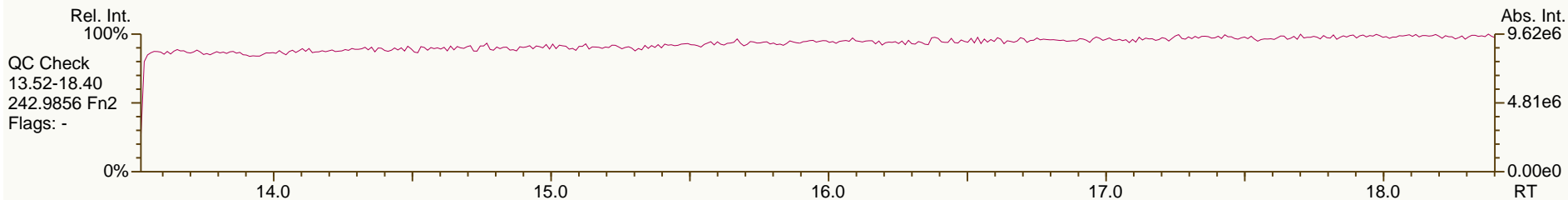
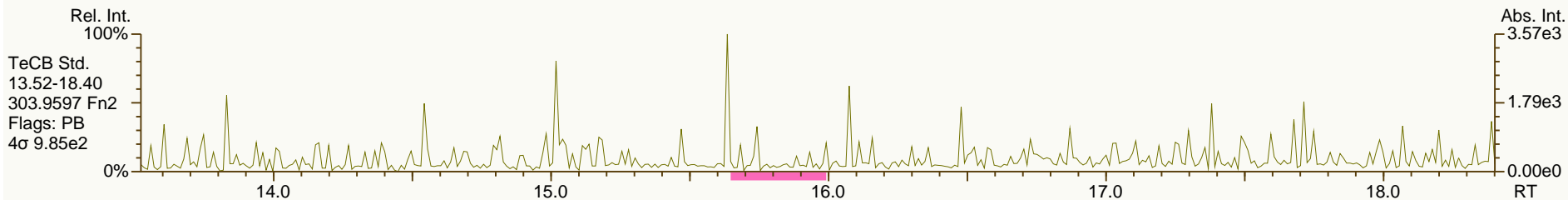
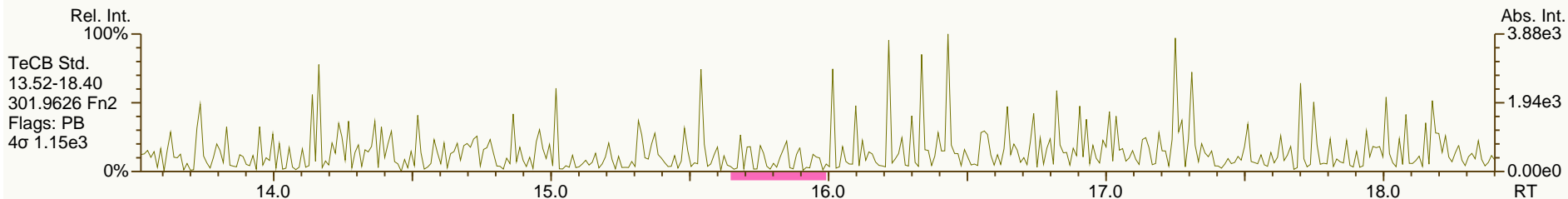
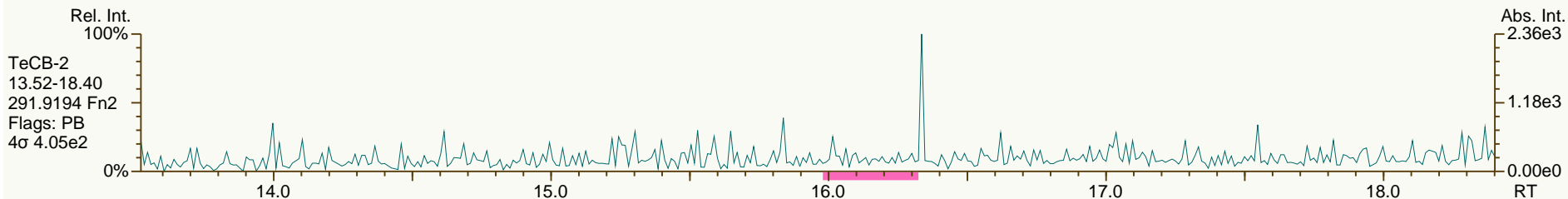
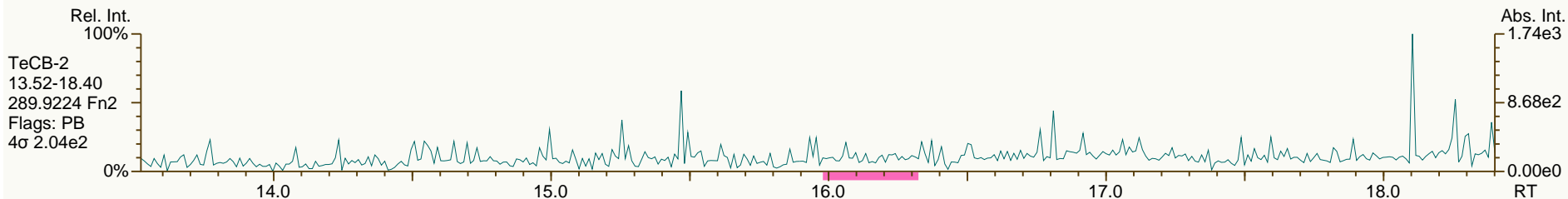
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

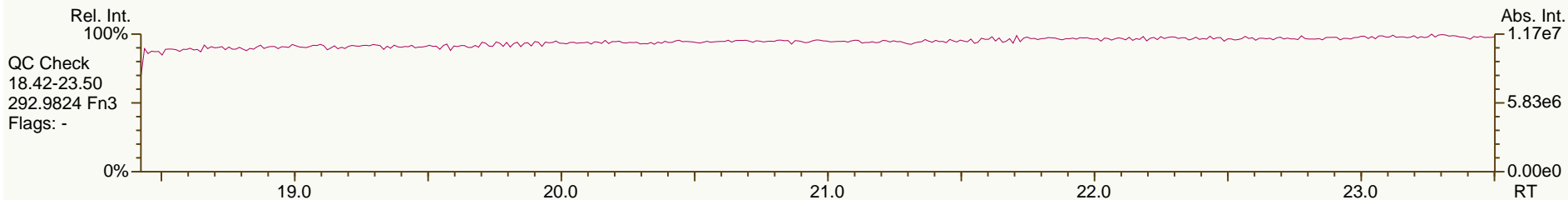
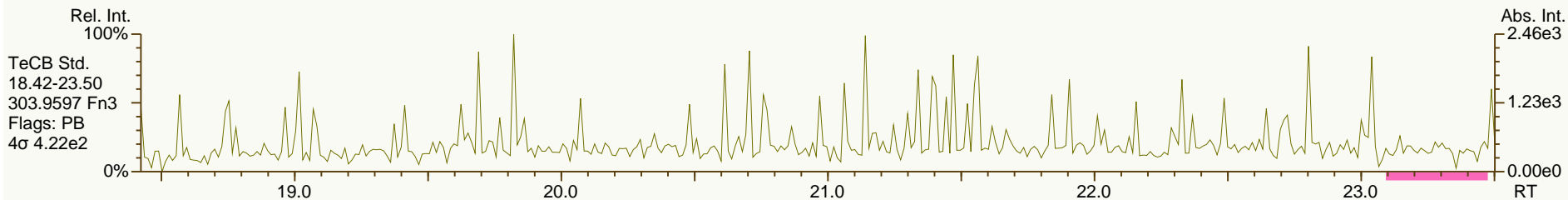
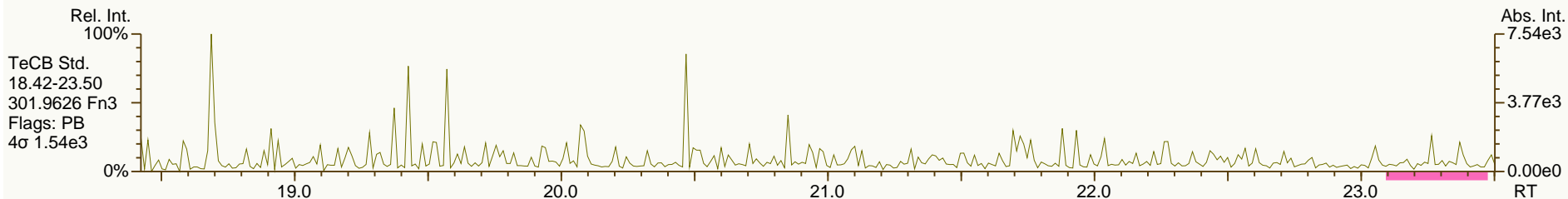
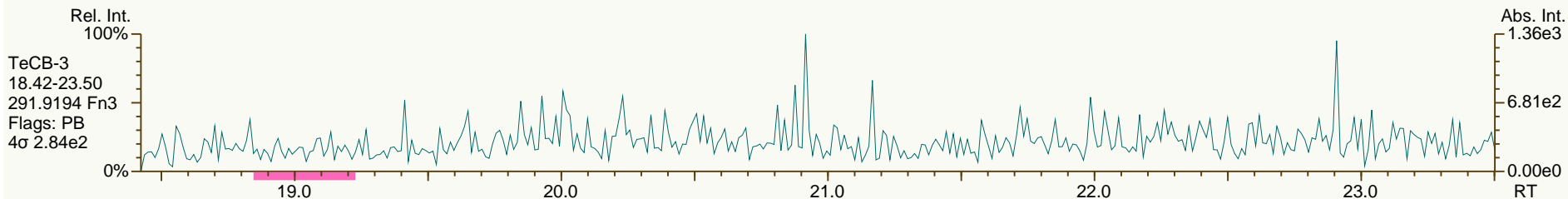
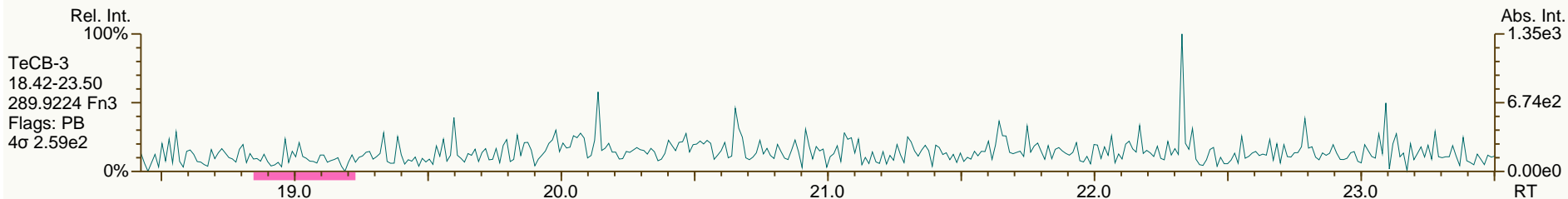
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

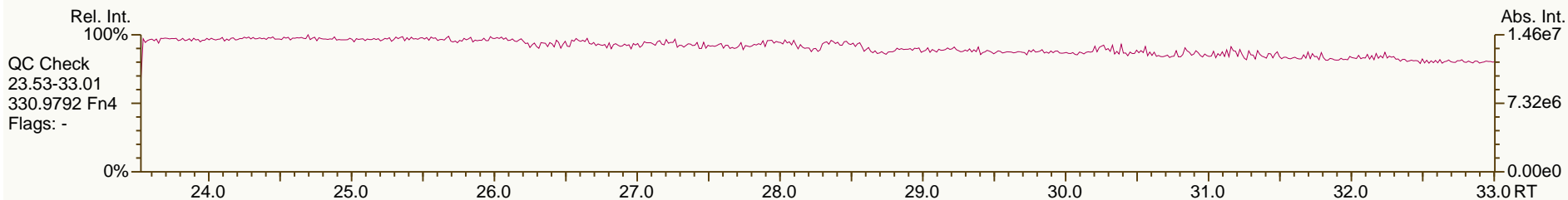
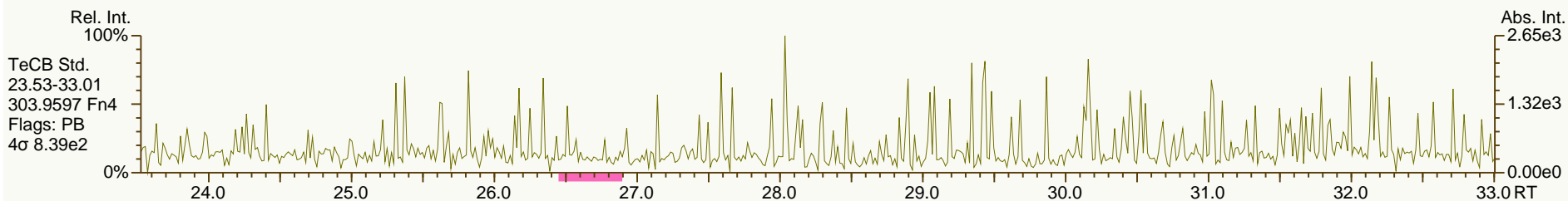
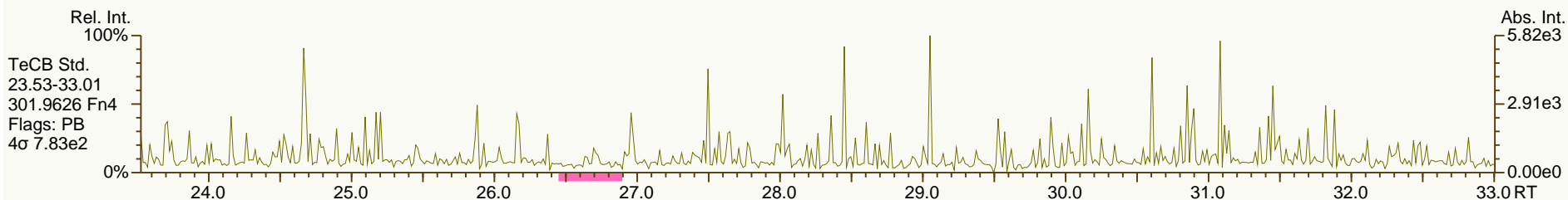
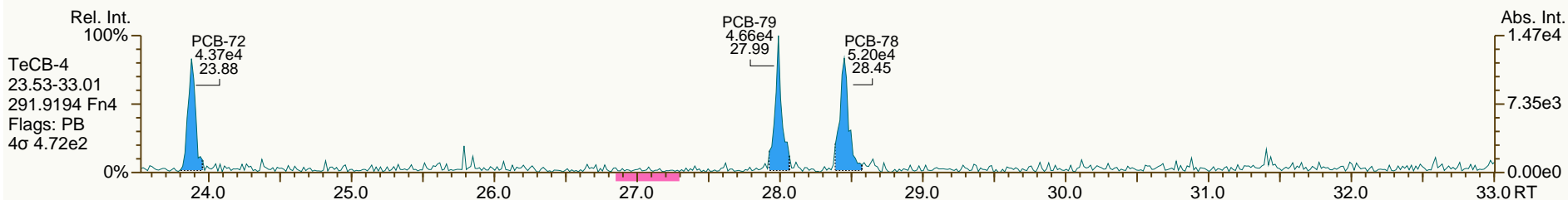
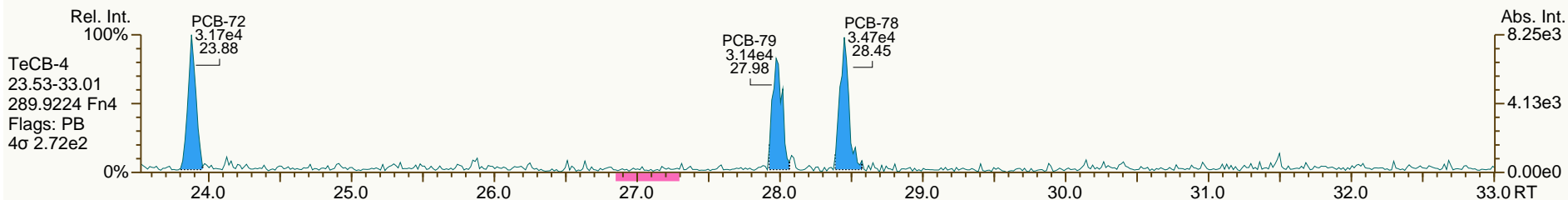
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

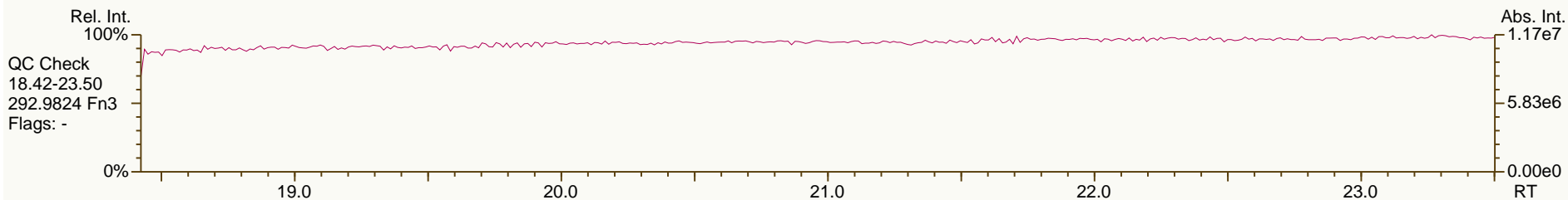
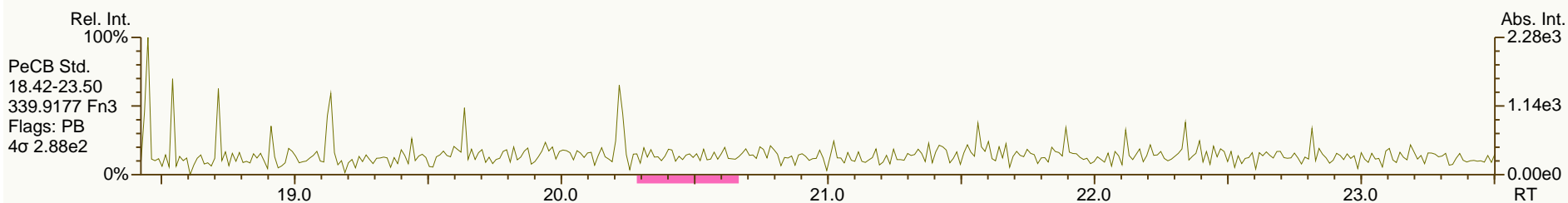
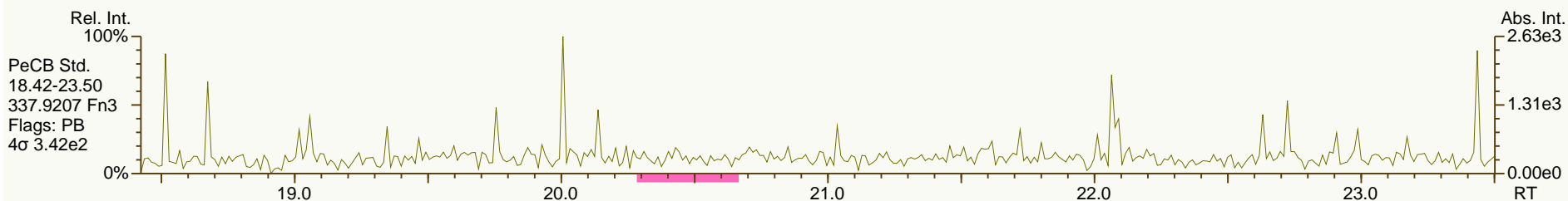
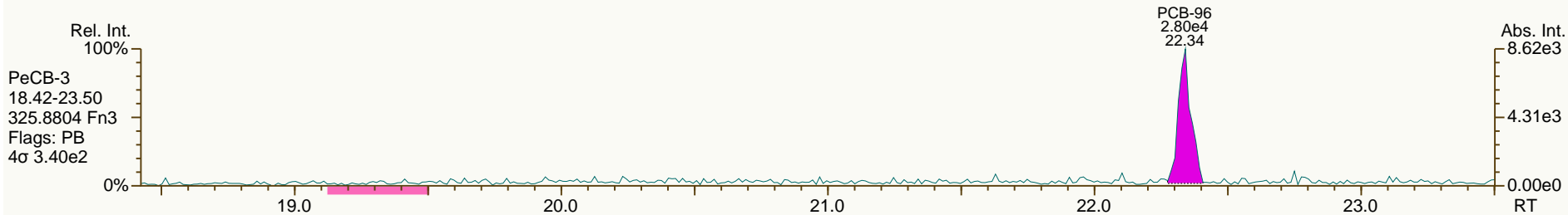
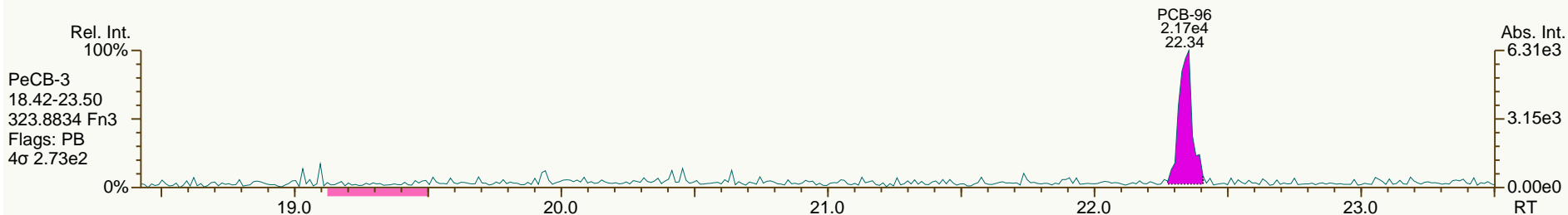
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

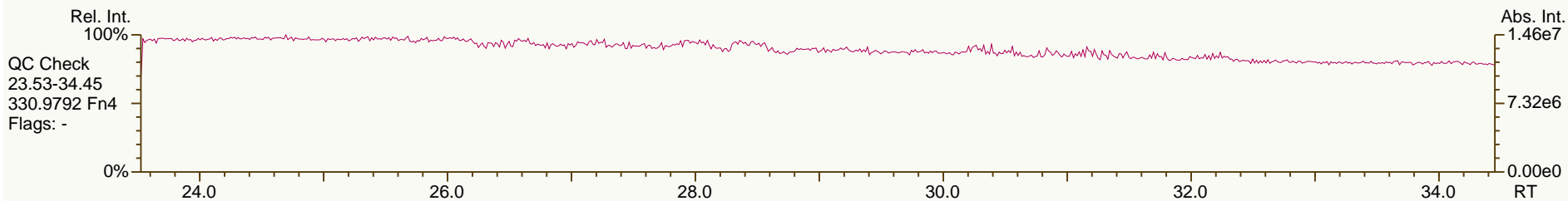
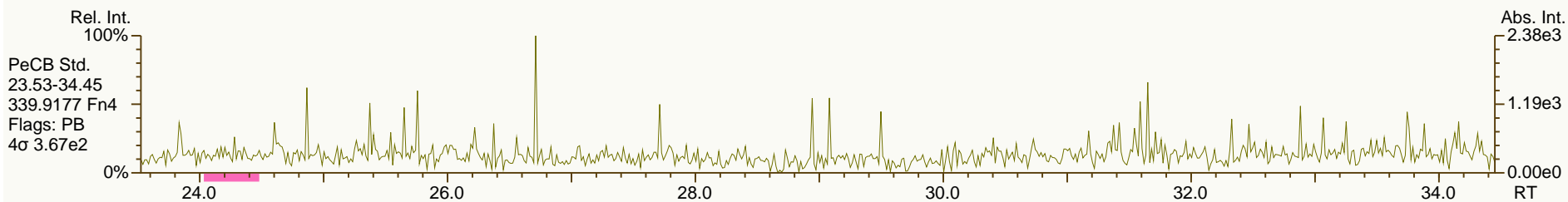
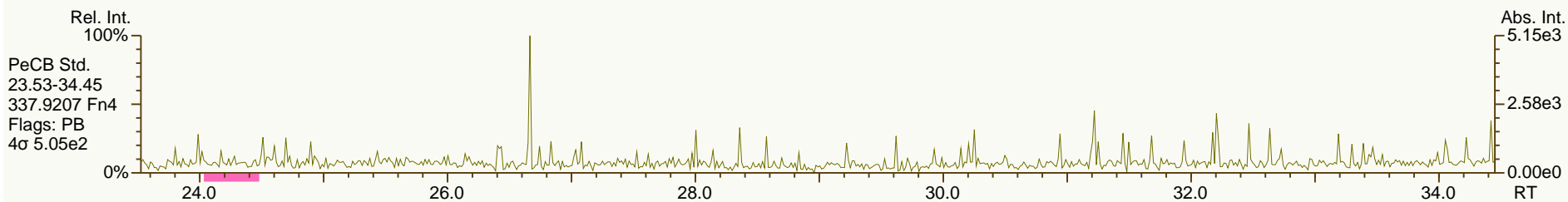
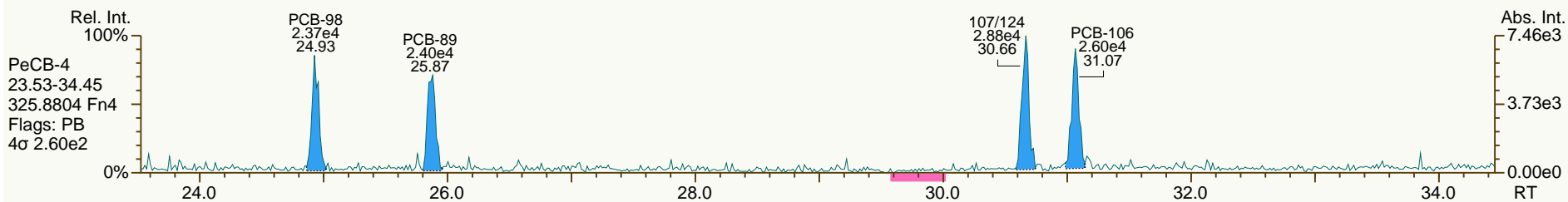
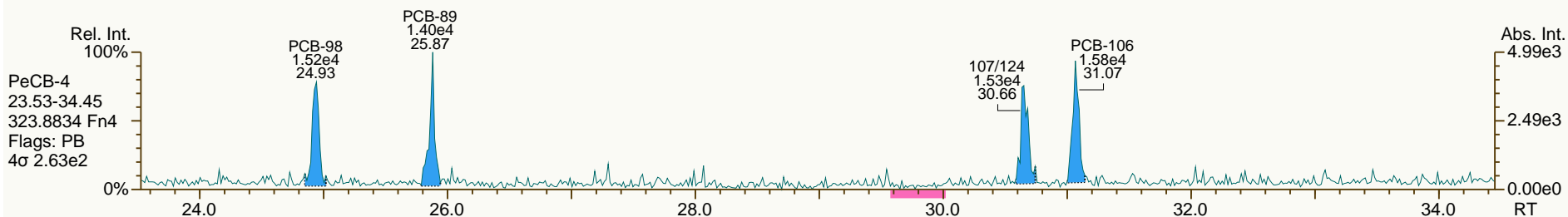
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

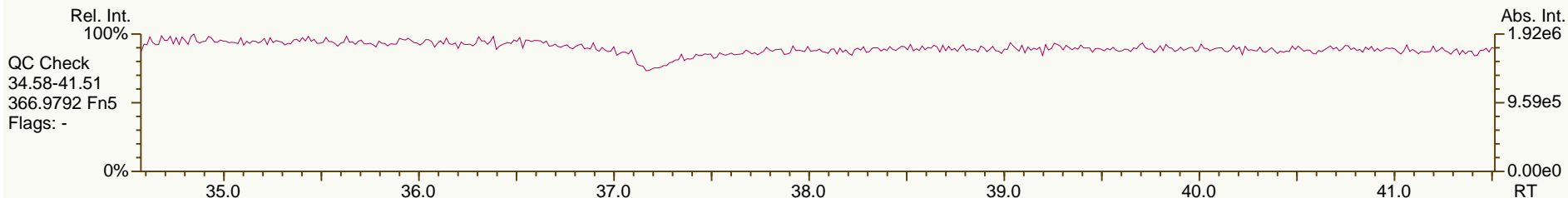
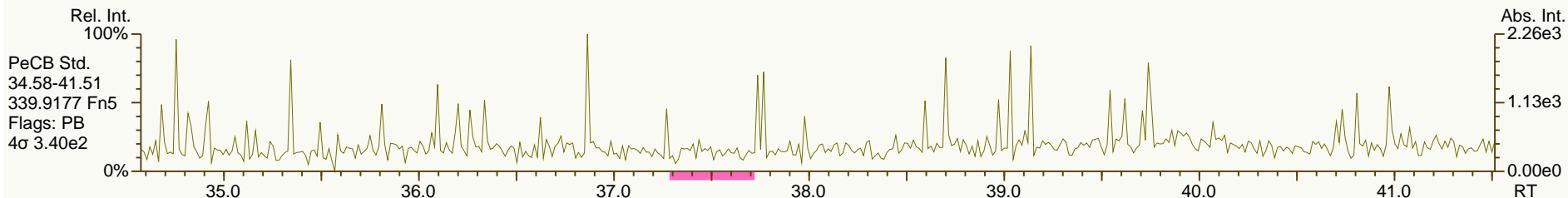
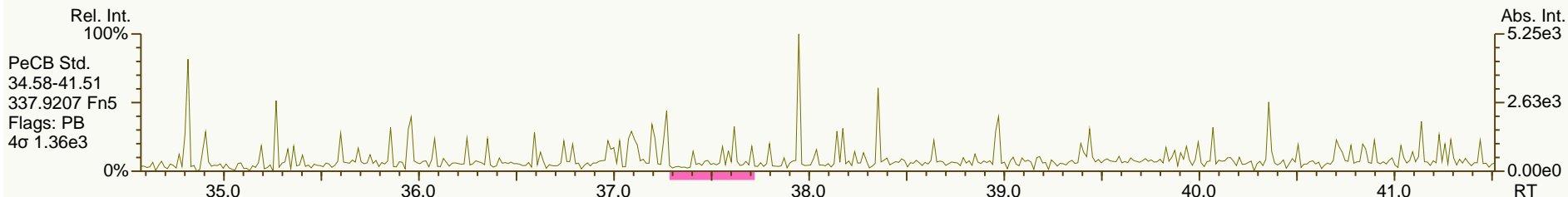
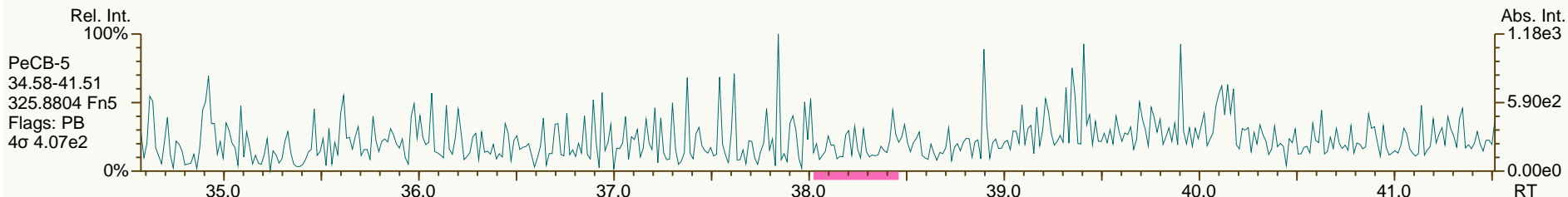
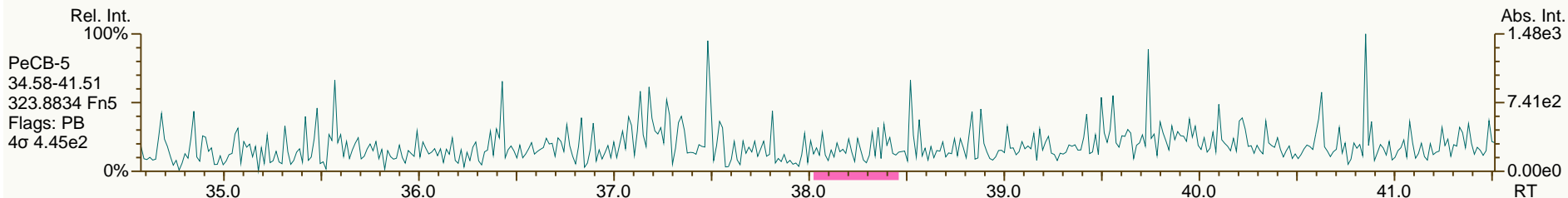
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

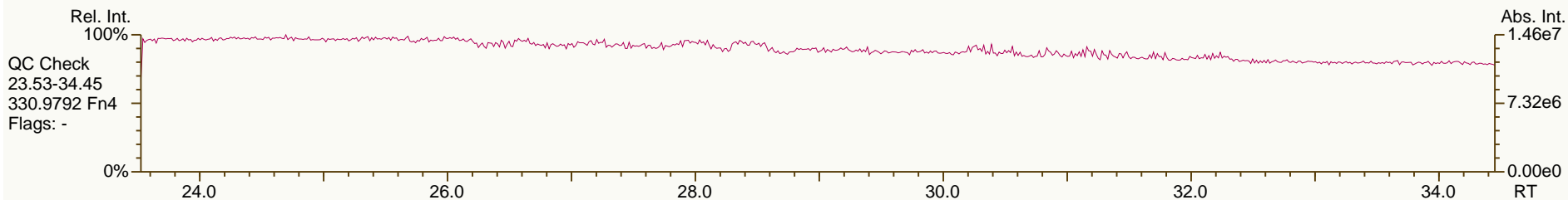
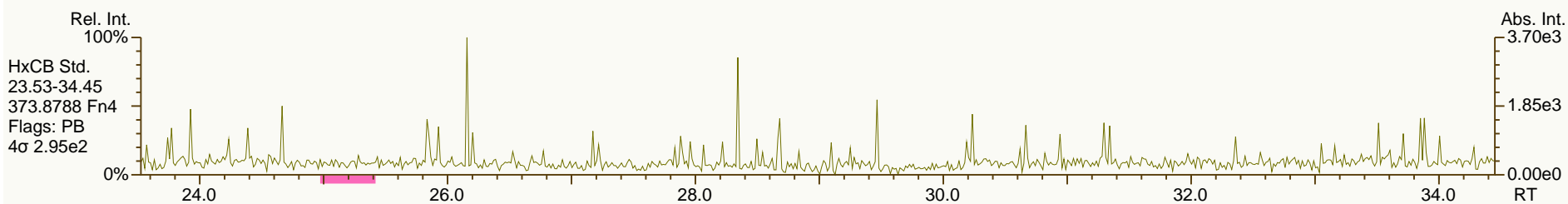
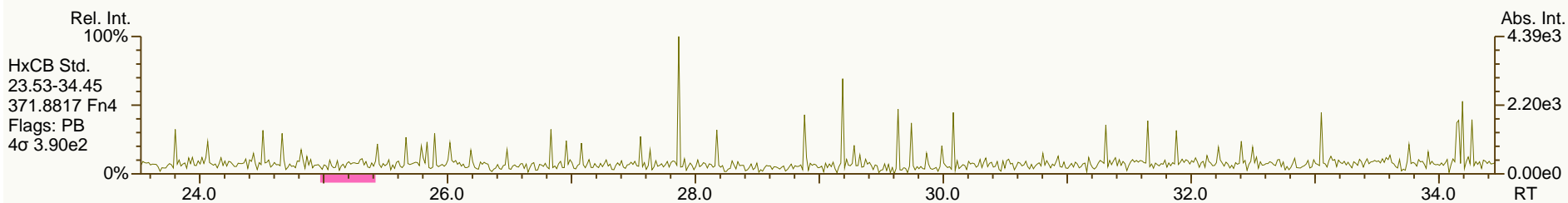
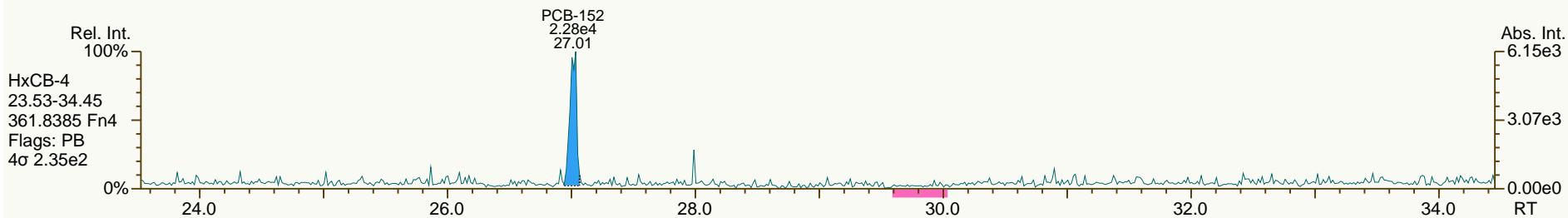
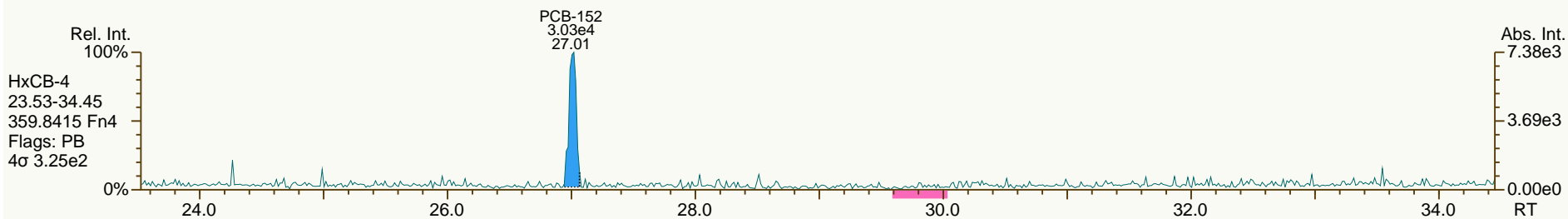
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

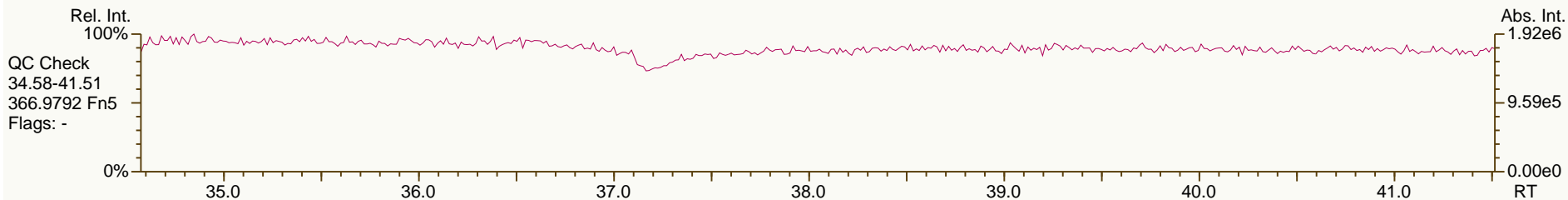
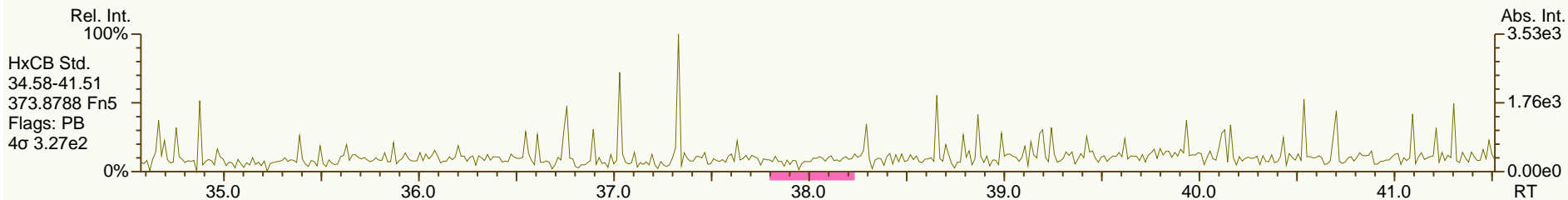
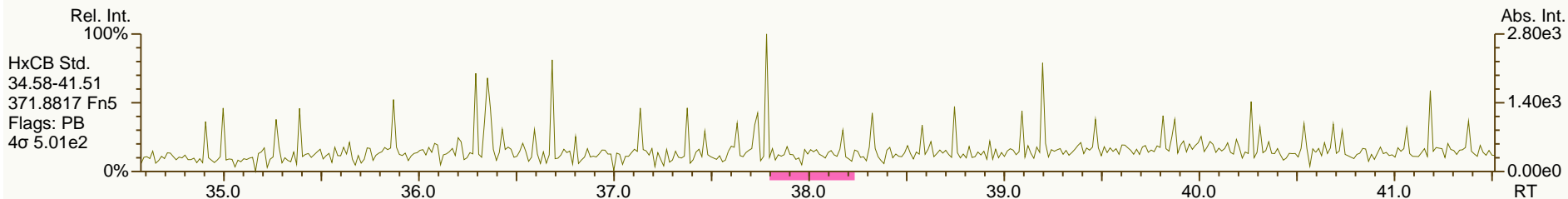
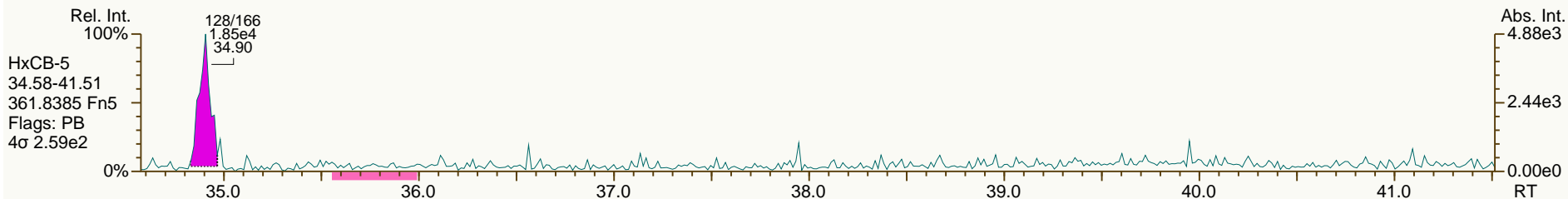
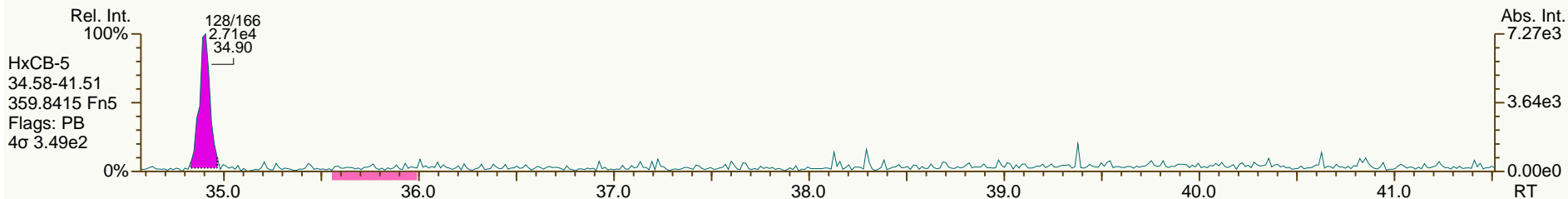
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

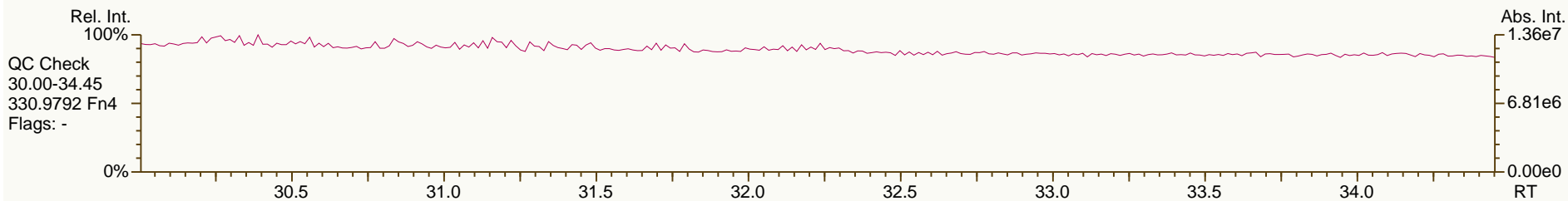
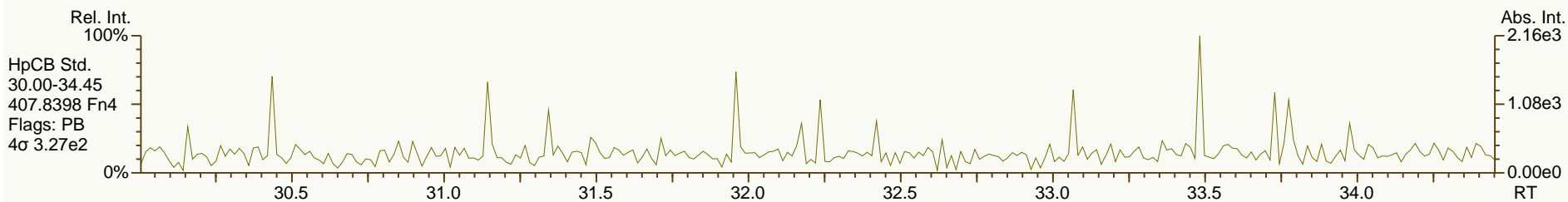
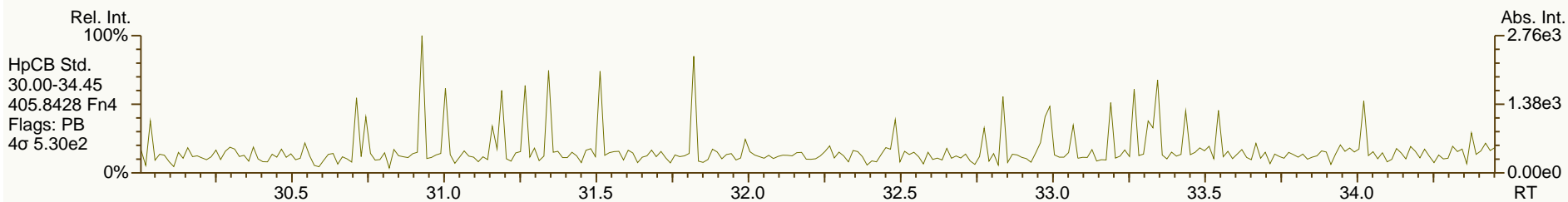
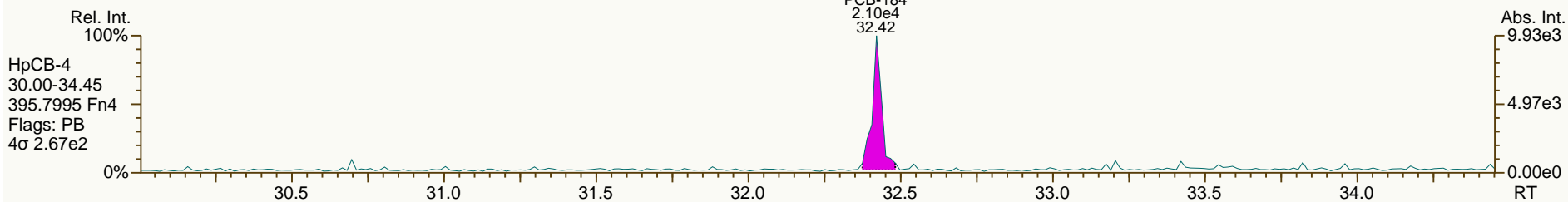
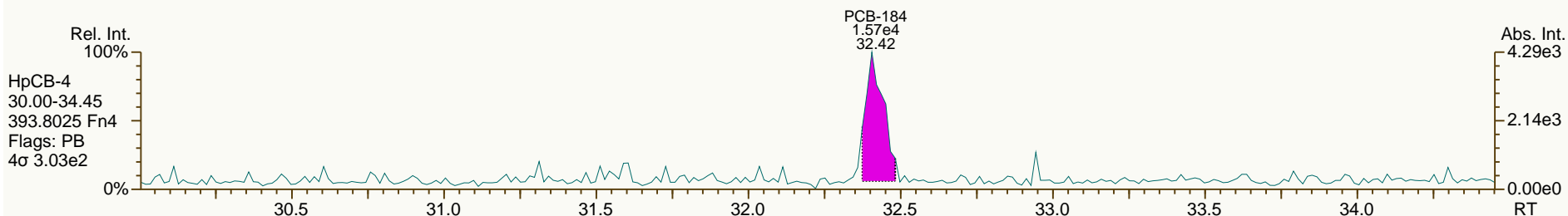
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

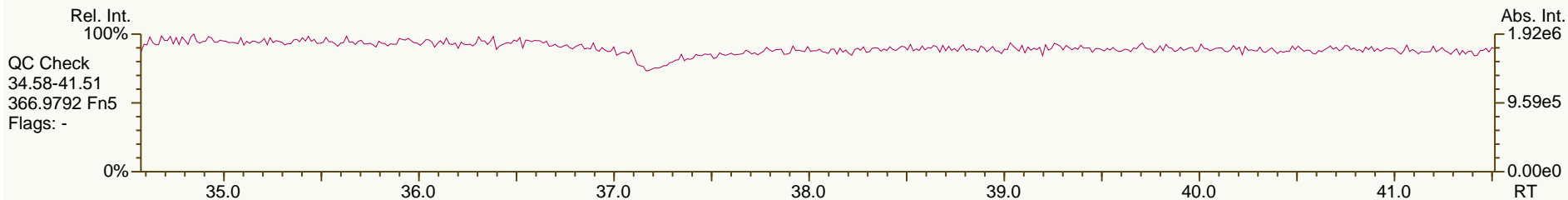
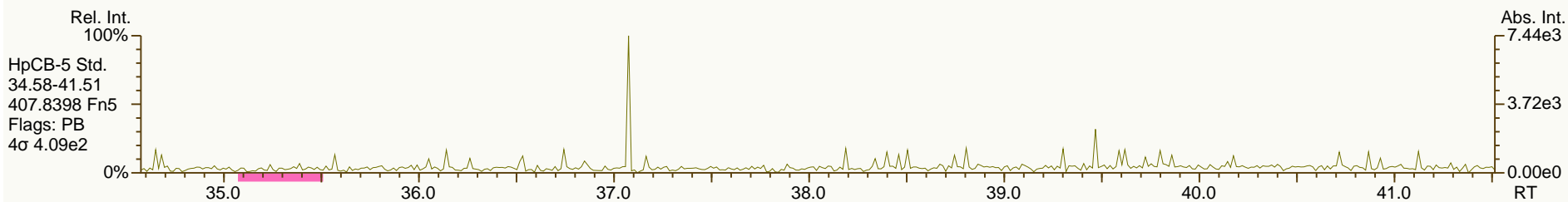
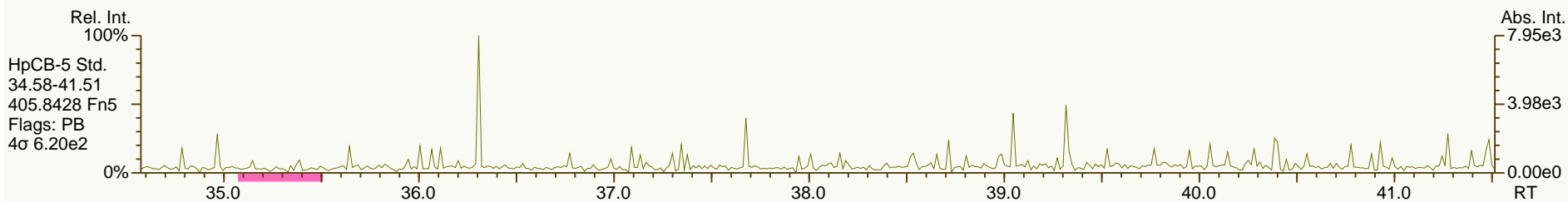
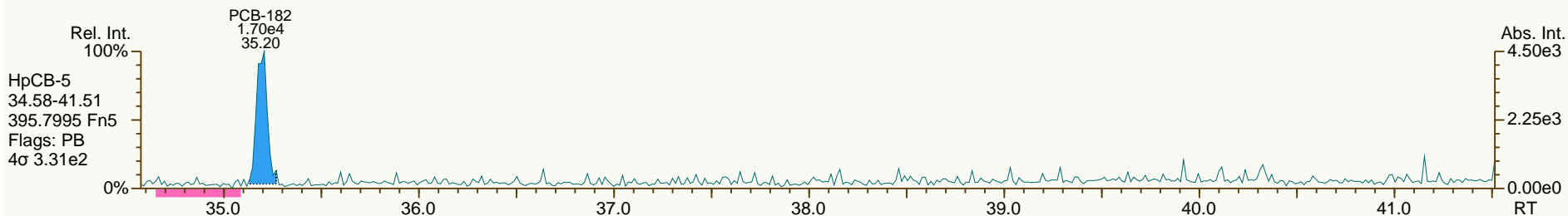
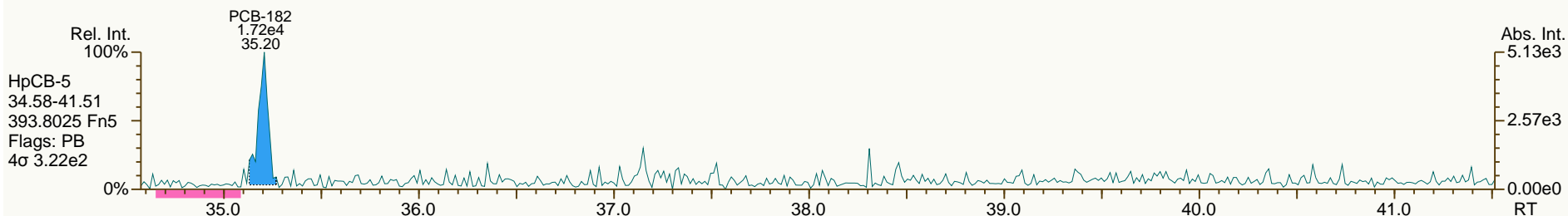
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

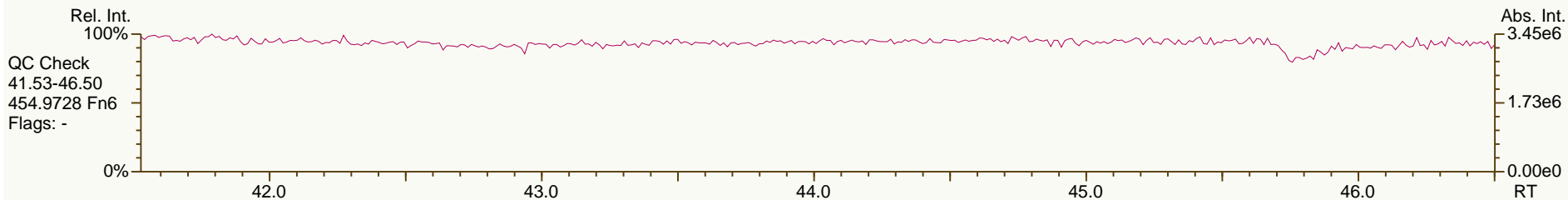
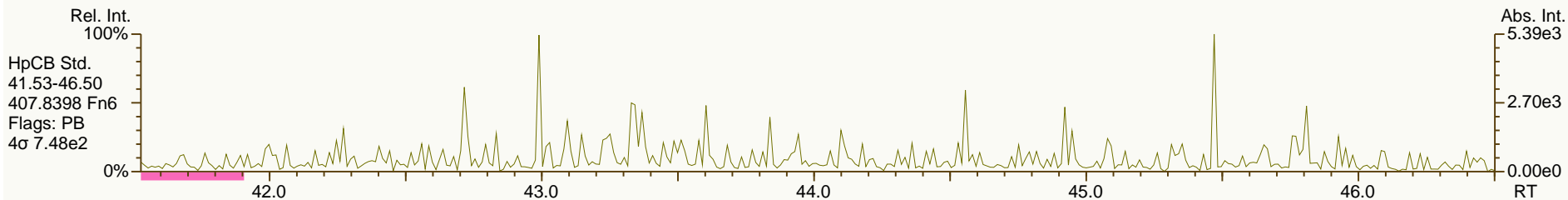
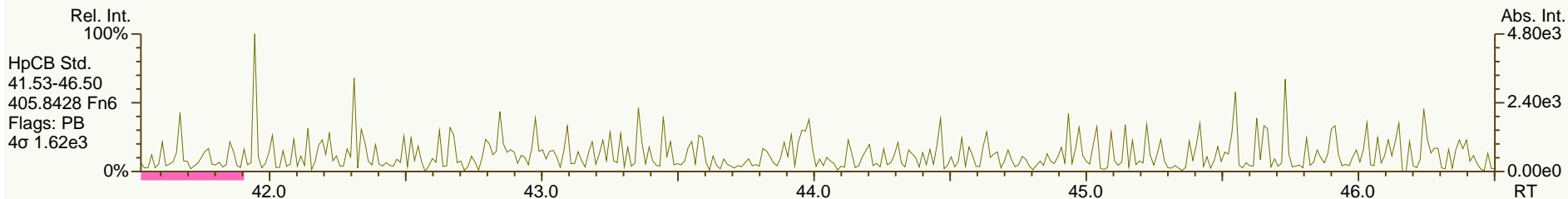
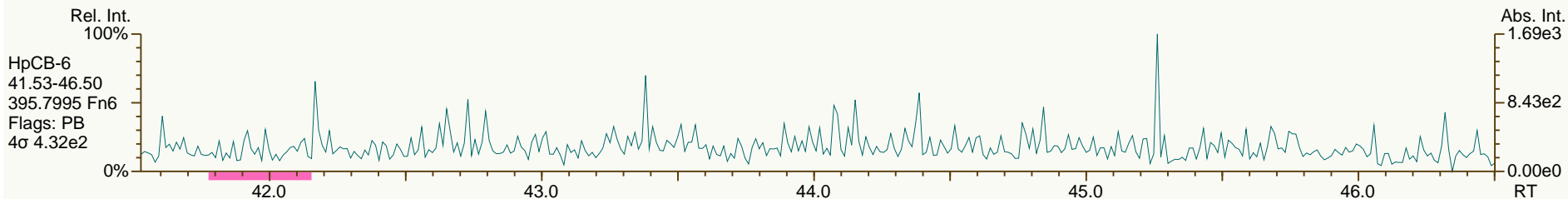
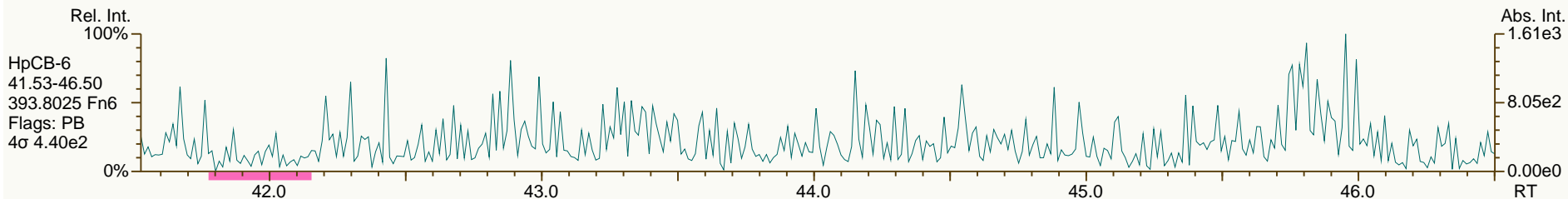
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

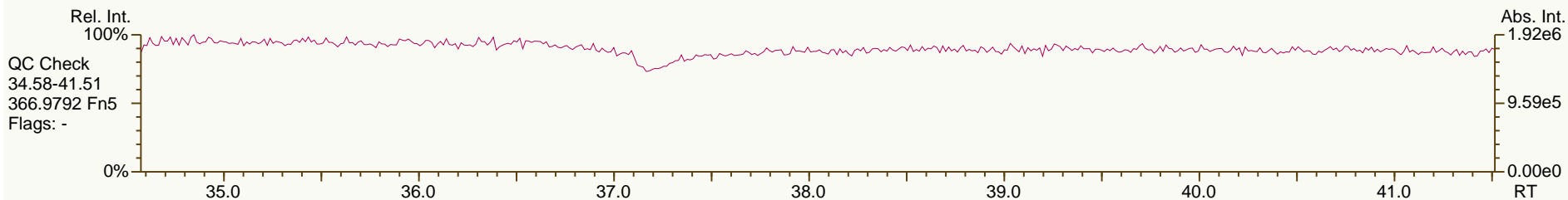
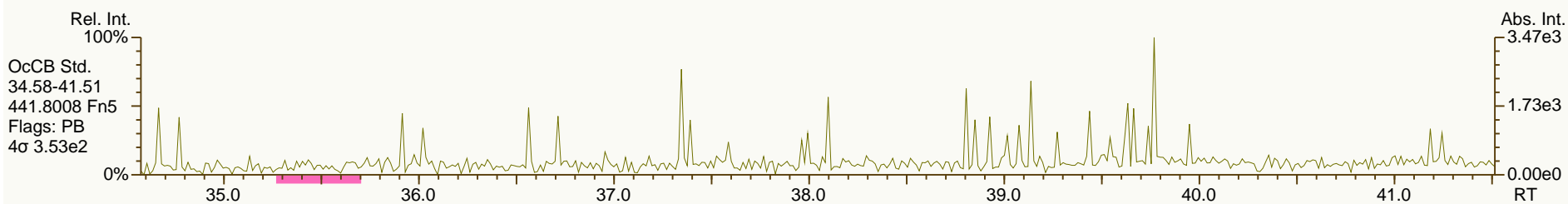
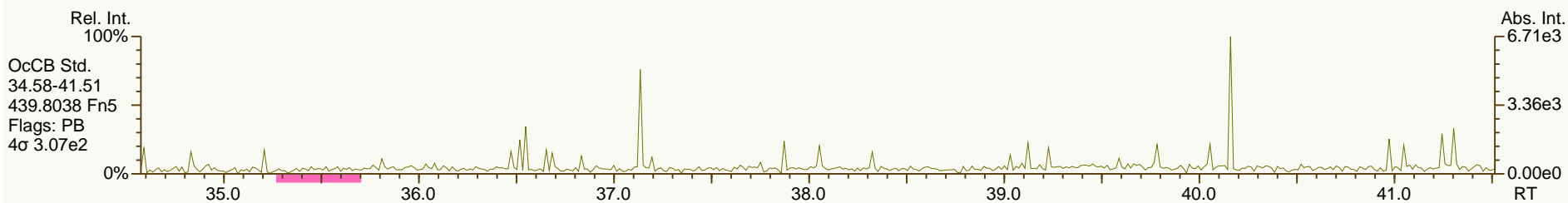
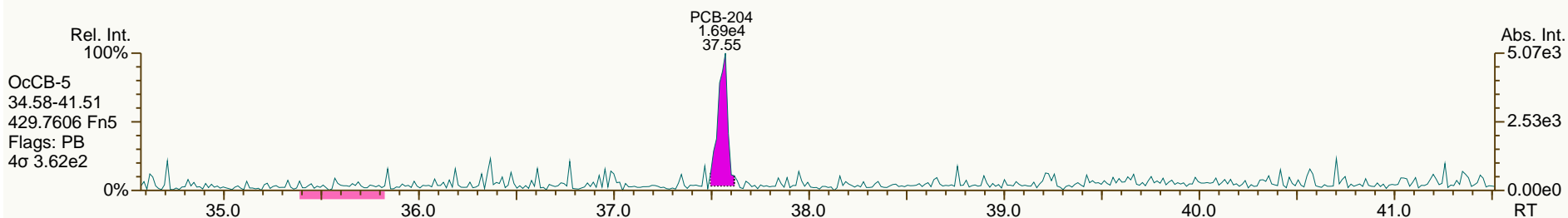
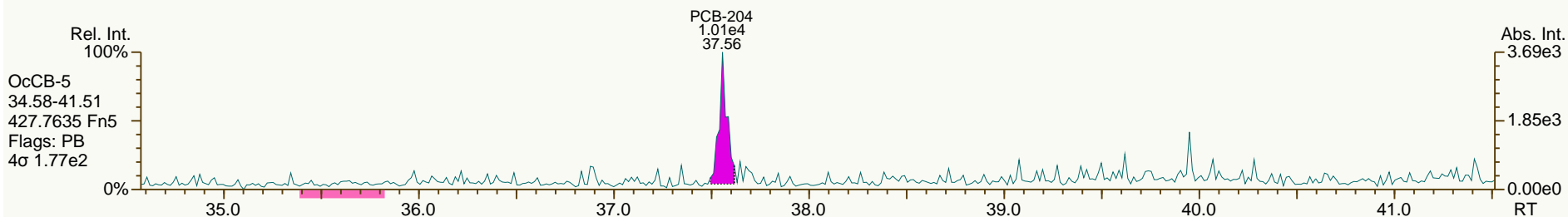
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

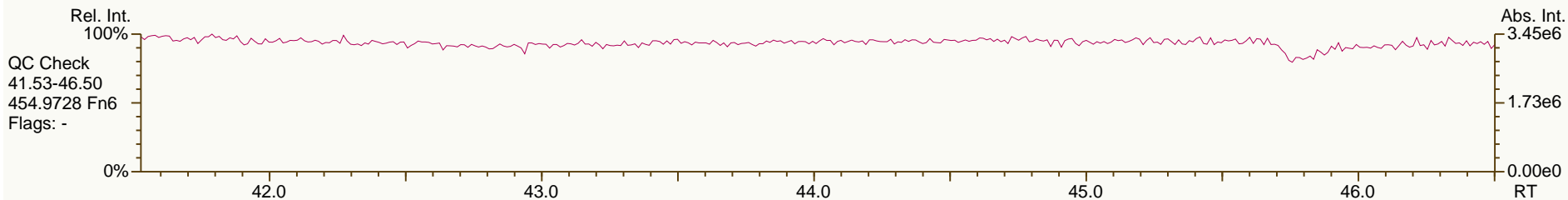
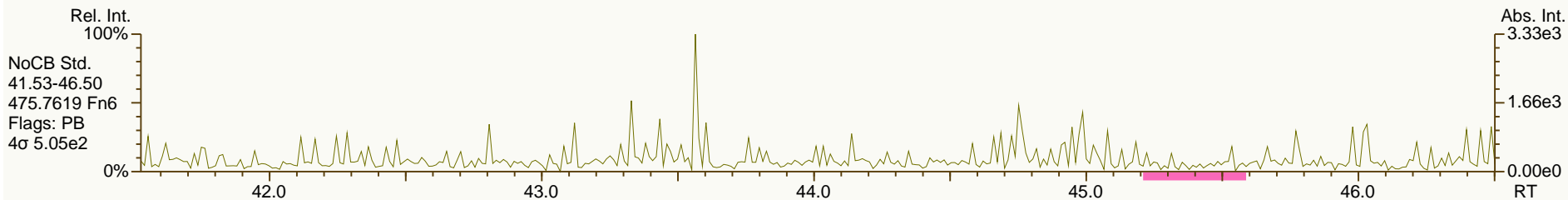
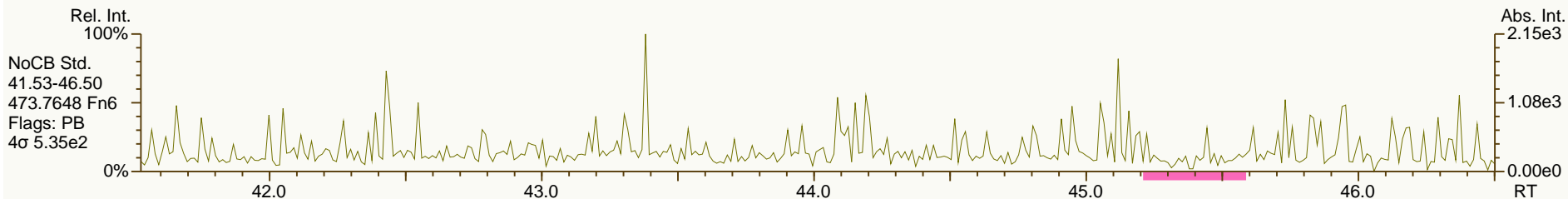
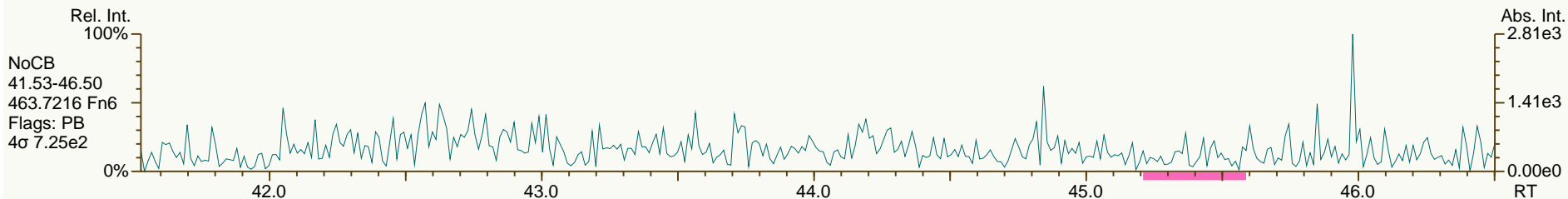
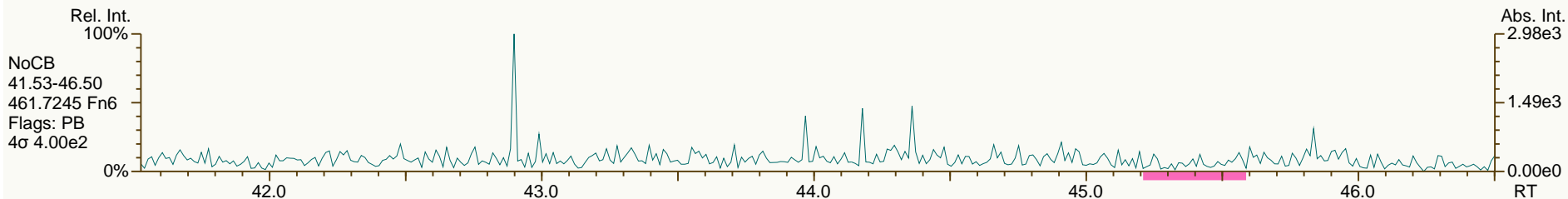
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

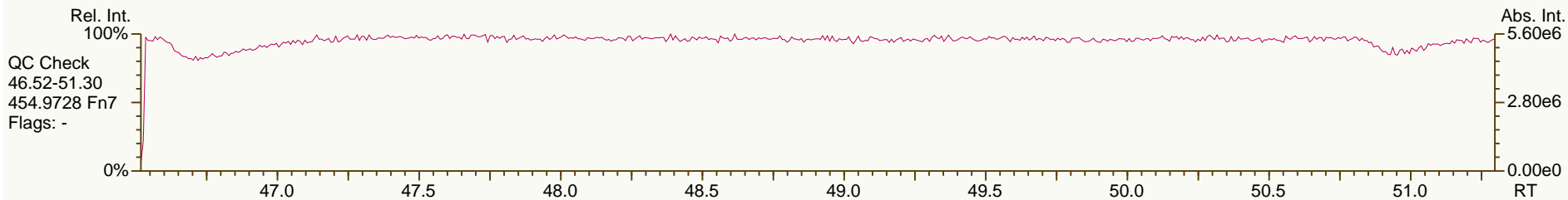
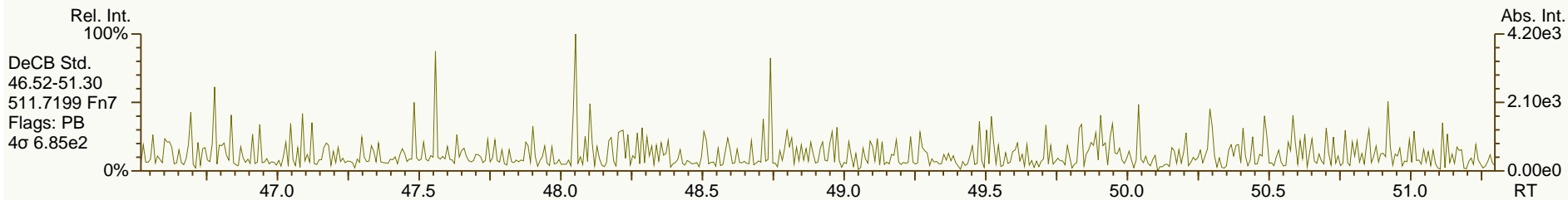
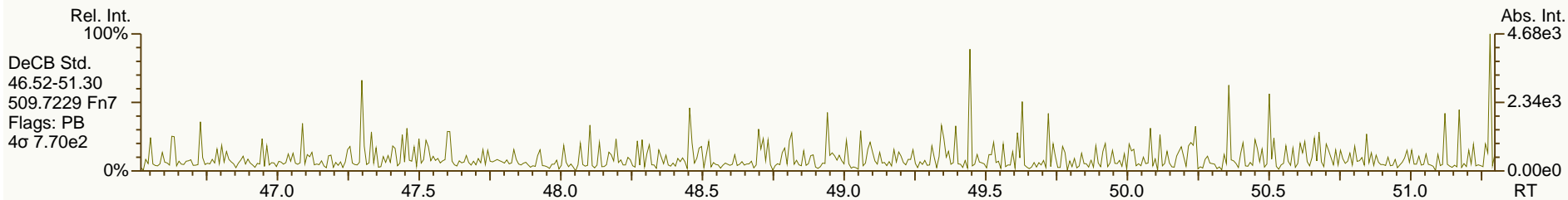
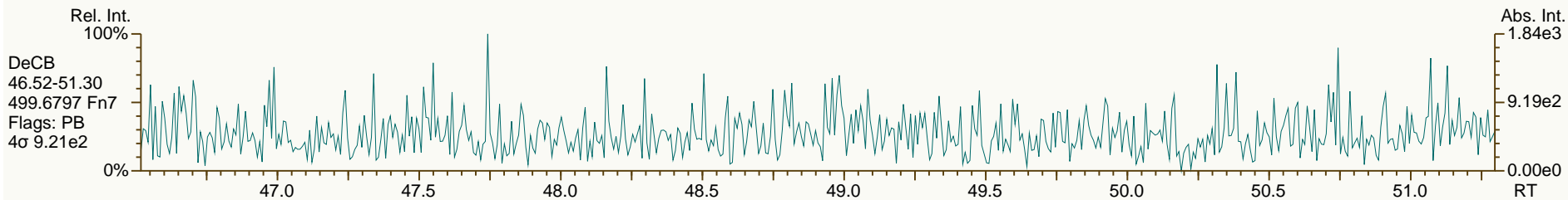
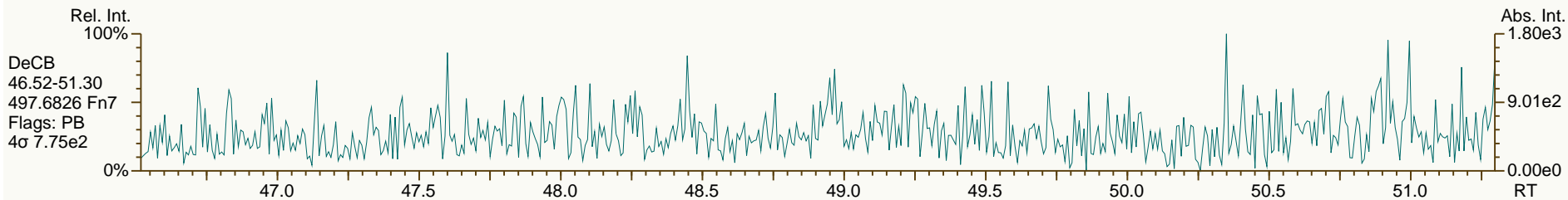
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

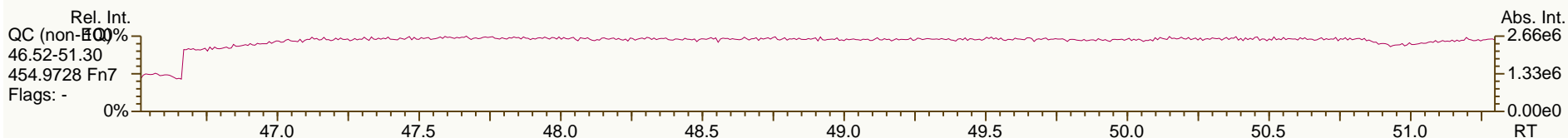
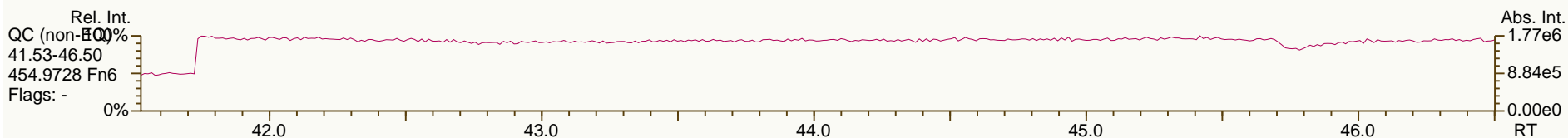
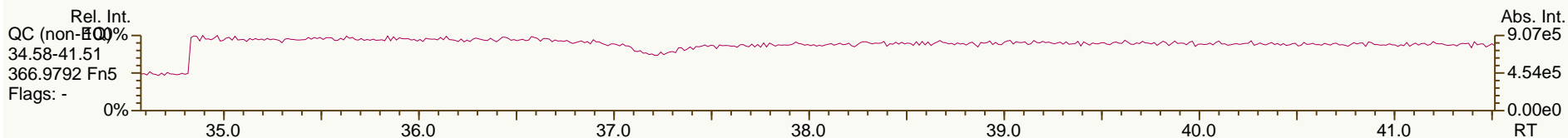
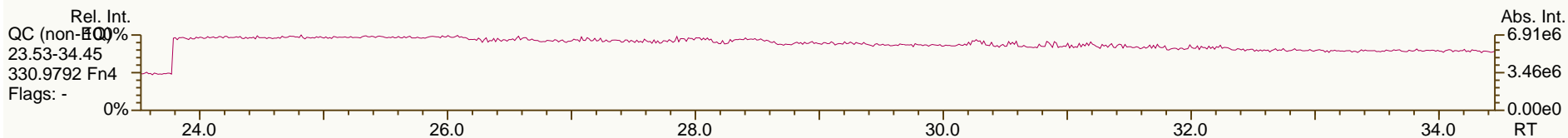
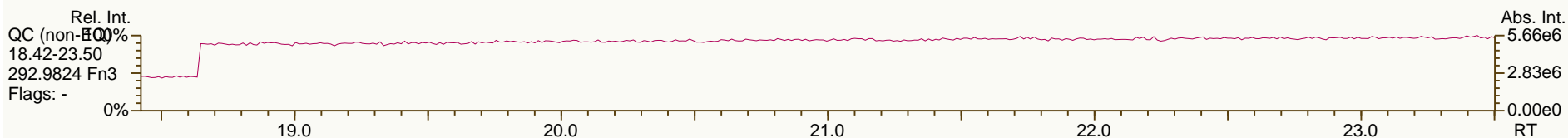
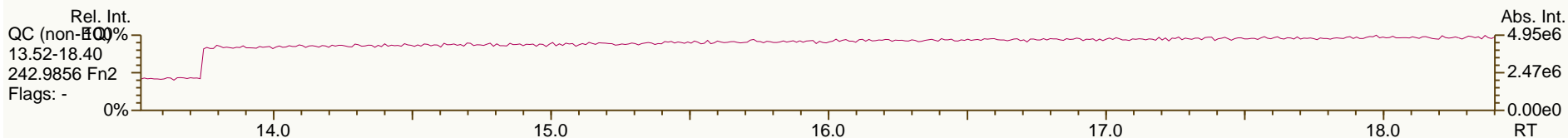
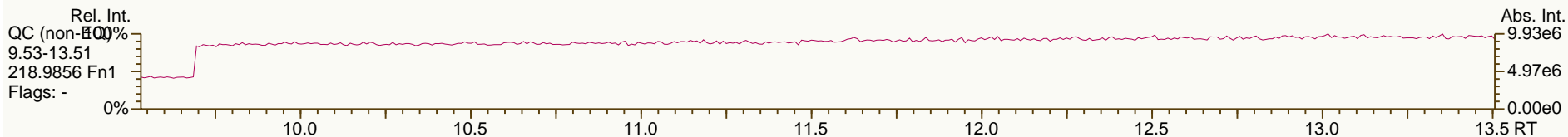
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



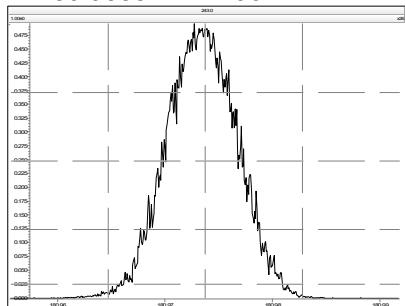
Experiment Calibration Report

MassLynx 4.1

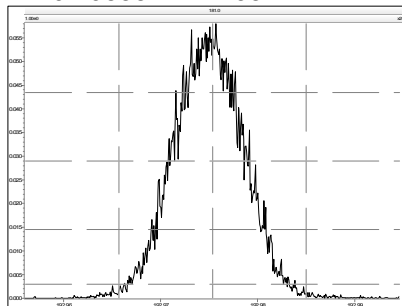
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 1 @ 200 (ppm)

Printed: Thursday, July 05, 2012 11:30:20 Eastern Daylight Time

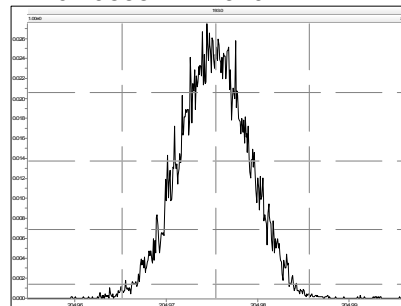
M 180.9888 R 12136



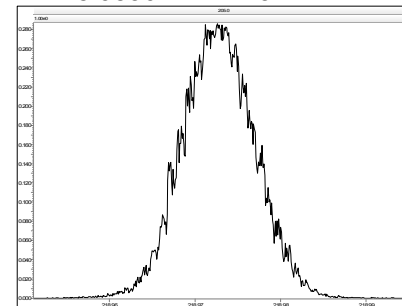
M 192.9888 R 11738



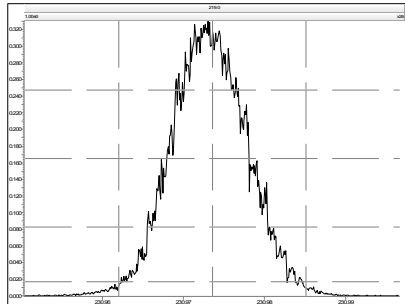
M 204.9888 R 11519



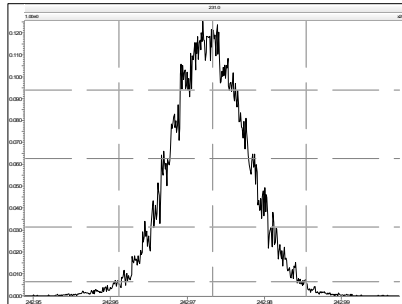
M 218.9856 R 11415



M 230.9856 R 10685



M 242.9856 R 10821



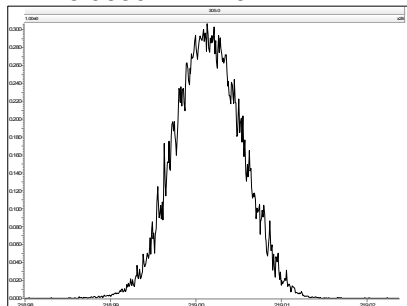
Experiment Calibration Report

MassLynx 4.1

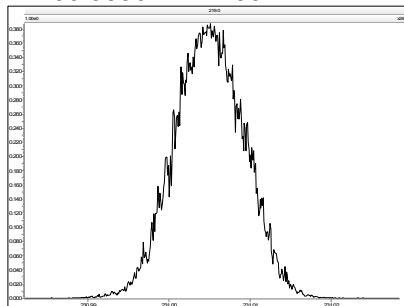
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 2 @ 200 (ppm)

Printed: Thursday, July 05, 2012 11:30:40 Eastern Daylight Time

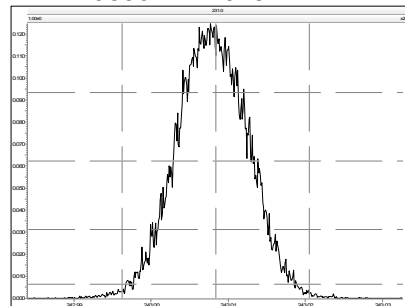
M 218.9856 R 12252



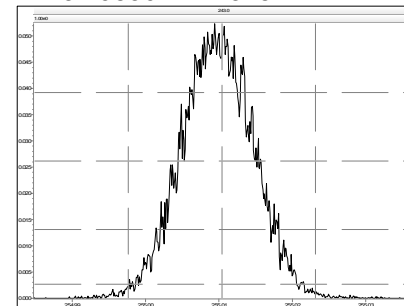
M 230.9856 R 11795



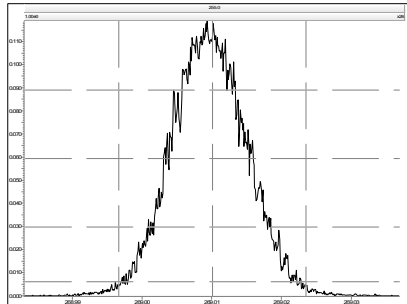
M 242.9856 R 11628



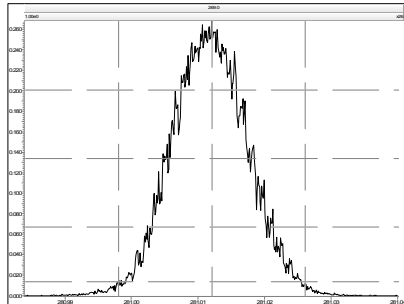
M 254.9856 R 11518



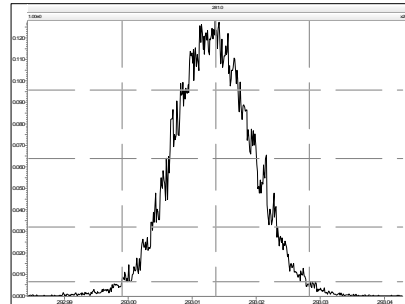
M 268.9824 R 11111



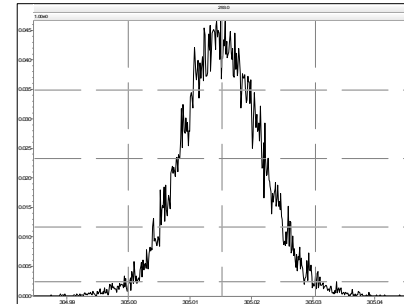
M 280.9824 R 10636



M 292.9824 R 10164



M 304.9824 R 11260



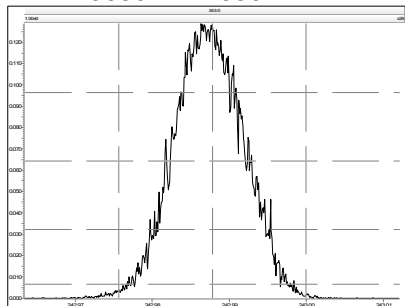
Experiment Calibration Report

MassLynx 4.1

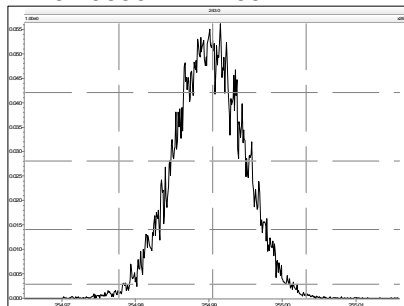
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 3 @ 200 (ppm)

Printed: Thursday, July 05, 2012 11:31:03 Eastern Daylight Time

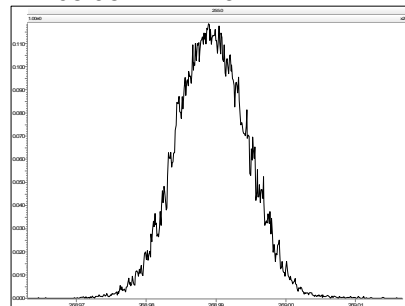
M 242.9856 R 12886



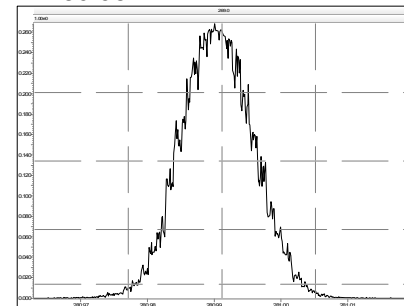
M 254.9856 R 12255



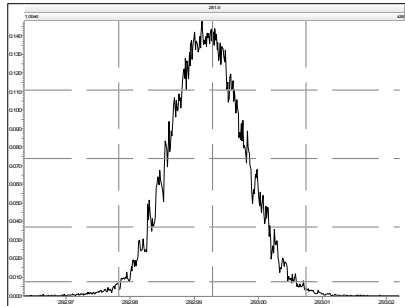
M 268.9824 R 11317



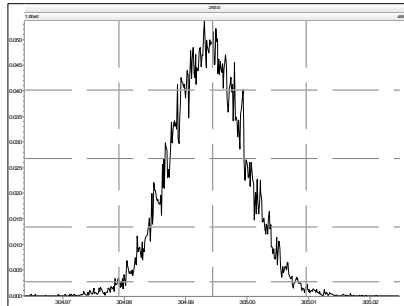
M 280.9824 R 11471



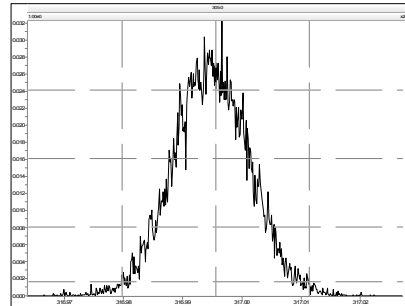
M 292.9824 R 10965



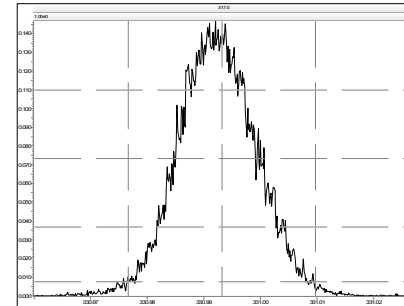
M 304.9824 R 11260



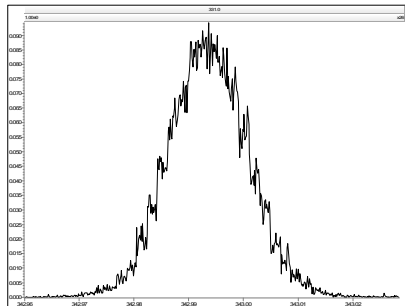
M 316.9824 R 11464



M 330.9792 R 10823



M 342.9792 R 10120



Experiment Calibration Report

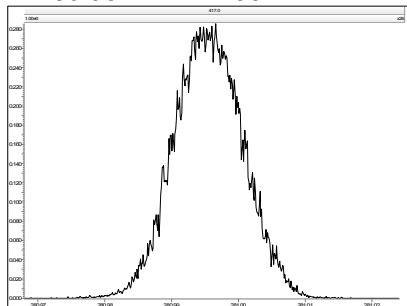
MassLynx 4.1

Page 1 of 1

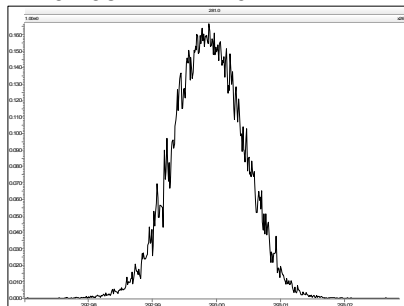
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 4 @ 200 (ppm)

Printed: Thursday, July 05, 2012 11:31:33 Eastern Daylight Time

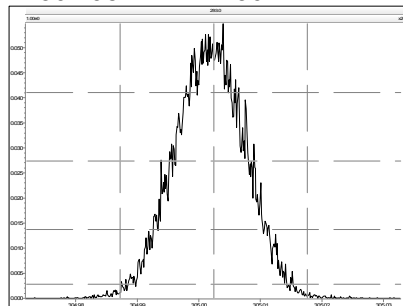
M 280.9824 R 11795



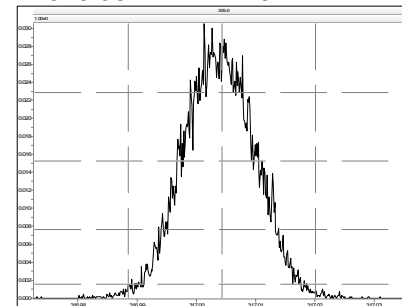
M 292.9824 R 11262



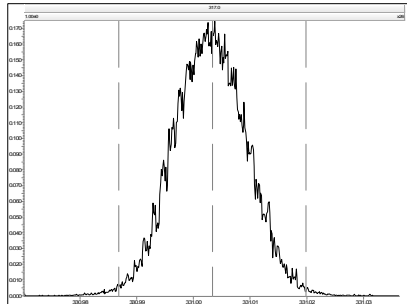
M 304.9824 R 12436



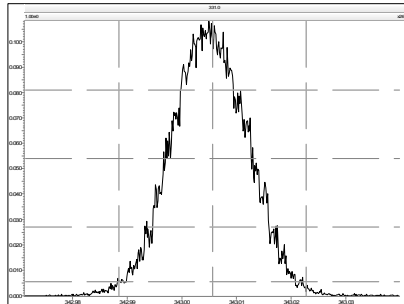
M 316.9824 R 11418



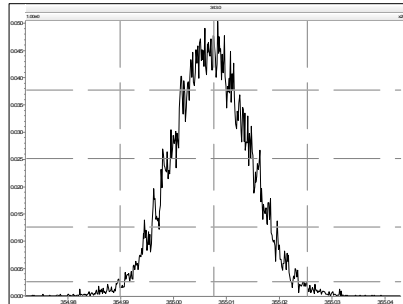
M 330.9792 R 11257



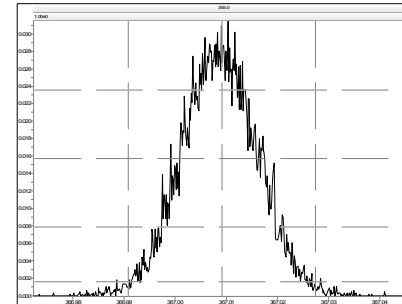
M 342.9792 R 10964



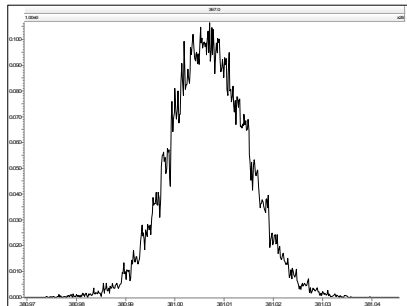
M 354.9792 R 11213



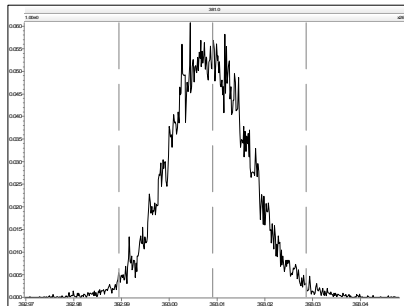
M 366.9792 R 10639



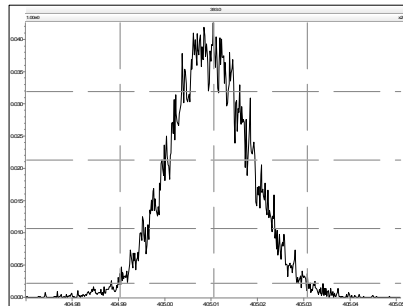
M 380.9760 R 10504



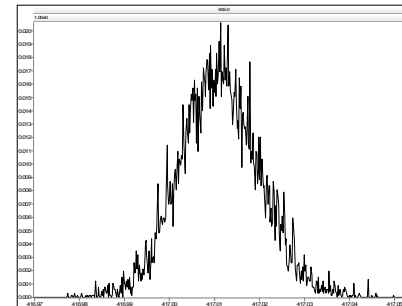
M 392.9760 R 9879



M 404.9760 R 10246



M 416.9760 R 10330



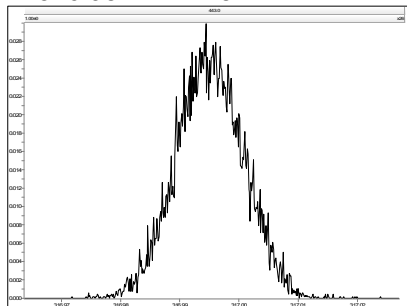
Experiment Calibration Report

MassLynx 4.1

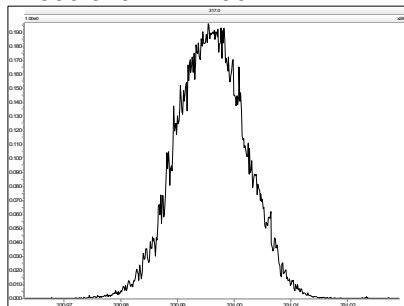
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 5 @ 200 (ppm)

Printed: Thursday, July 05, 2012 11:32:08 Eastern Daylight Time

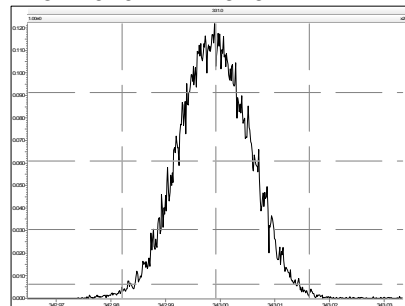
M 316.9824 R 12817



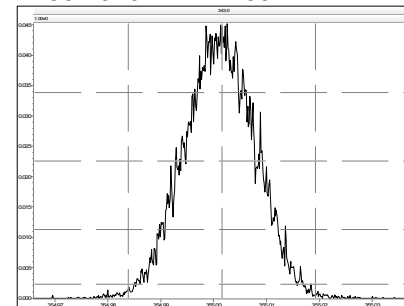
M 330.9792 R 11962



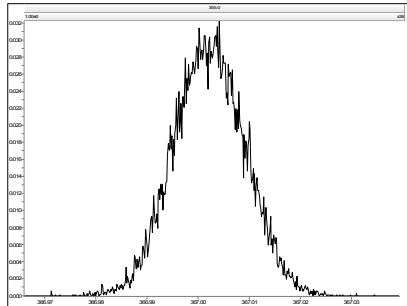
M 342.9792 R 11573



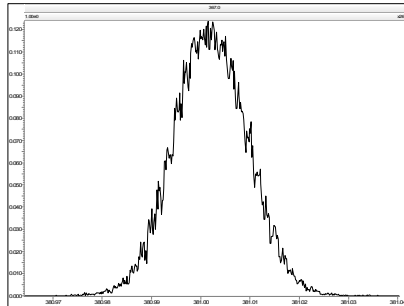
M 354.9792 R 11163



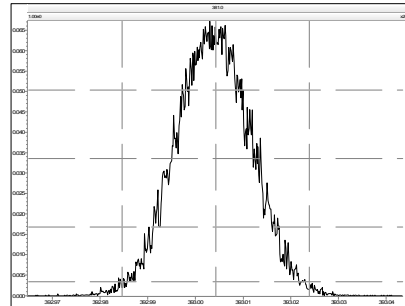
M 366.9792 R 11416



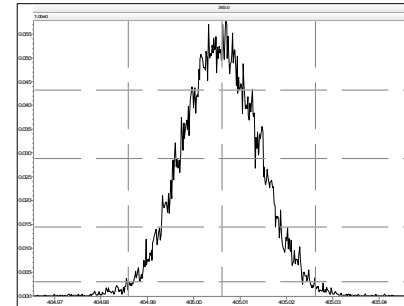
M 380.9760 R 11110



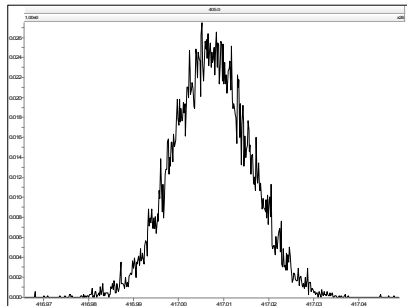
M 392.9760 R 10872



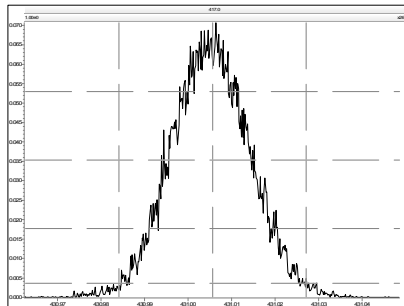
M 404.9760 R 11014



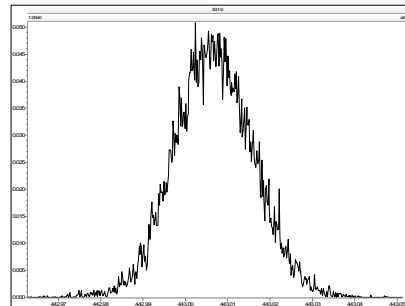
M 416.9760 R 10822



M 430.9728 R 10868



M 442.9728 R 10730



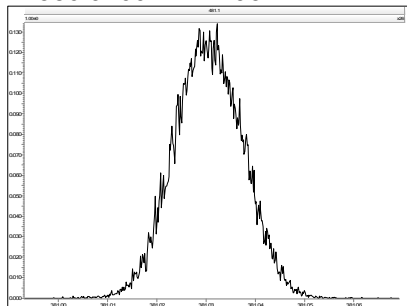
Experiment Calibration Report

MassLynx 4.1

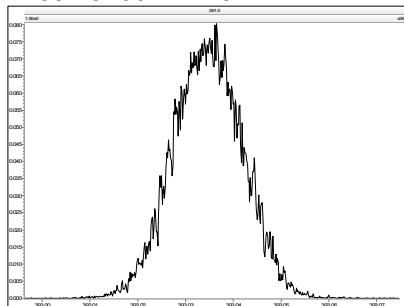
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 6 @ 200 (ppm)

Printed: Thursday, July 05, 2012 11:32:33 Eastern Daylight Time

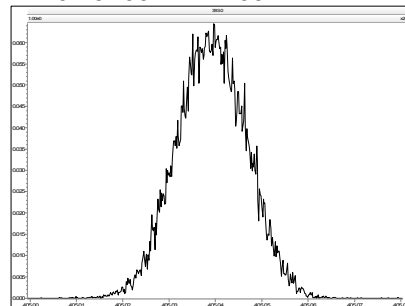
M 380.9760 R 11793



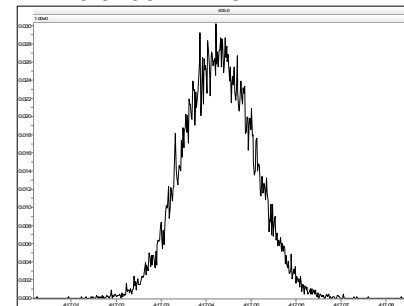
M 392.9760 R 11847



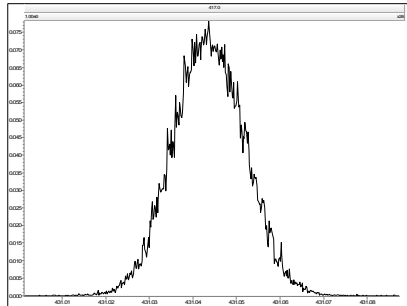
M 404.9760 R 11469



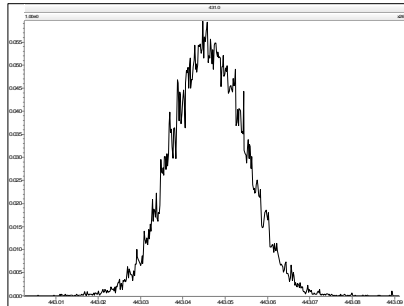
M 416.9760 R 11521



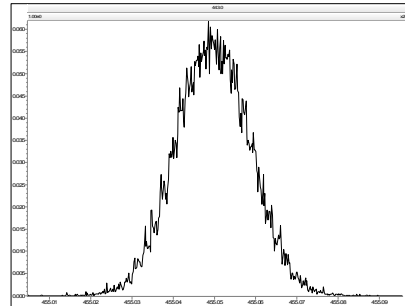
M 430.9728 R 11311



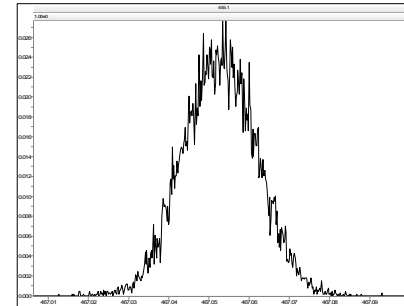
M 442.9728 R 10919



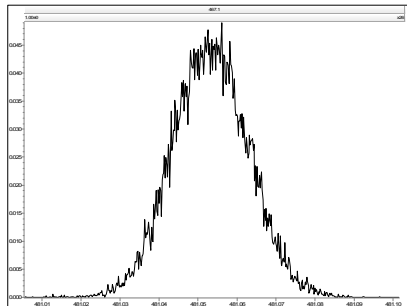
M 454.9728 R 11059



M 466.9728 R 10822



M 480.9696 R 10640



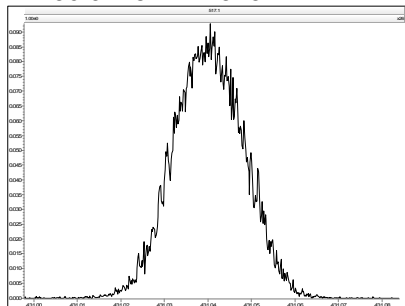
Experiment Calibration Report

MassLynx 4.1

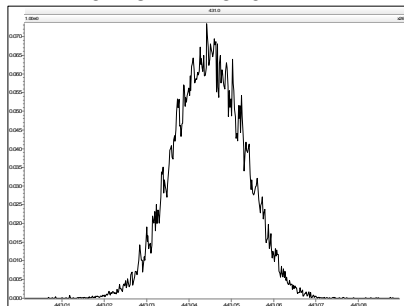
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 7 @ 200 (ppm)

Printed: Thursday, July 05, 2012 11:32:54 Eastern Daylight Time

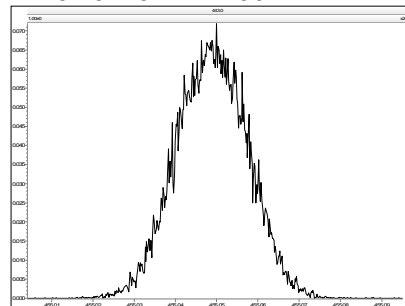
M 430.9728 R 11573



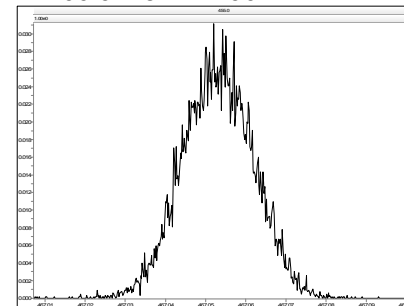
M 442.9728 R 11310



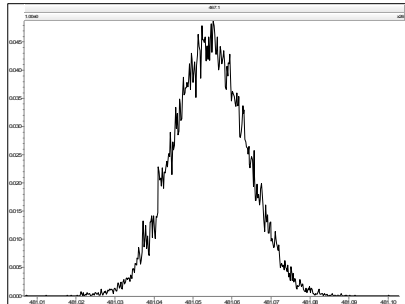
M 454.9728 R 12136



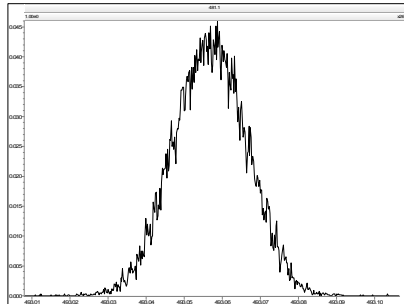
M 466.9728 R 11961



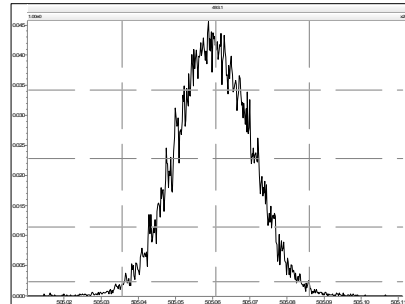
M 480.9696 R 10967



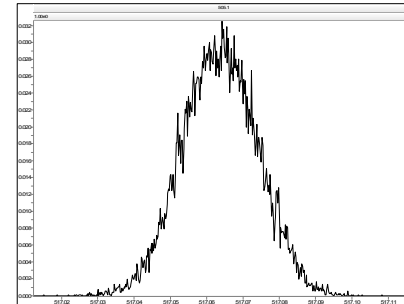
M 492.9696 R 11211



M 504.9696 R 11363



M 516.9697 R 10640

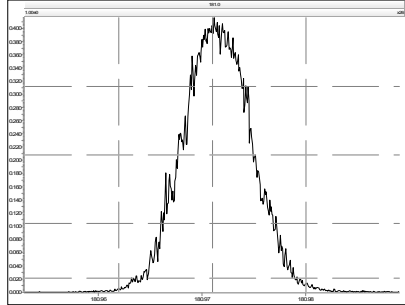


Resolution Check Report

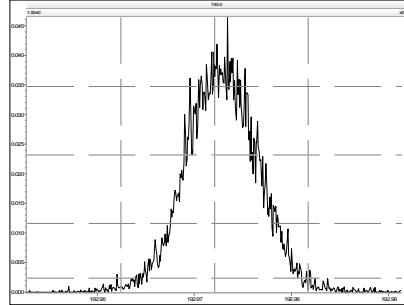
MassLynx 4.1

Printed: Thursday, July 05, 2012 21:14:16 Eastern Daylight Time

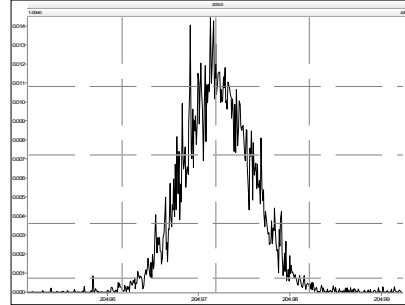
M 180.9888 R 12354



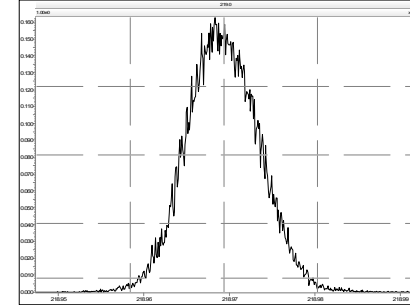
M 192.9888 R 11963



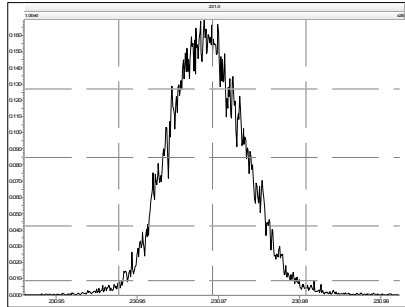
M 204.9888 R 12408



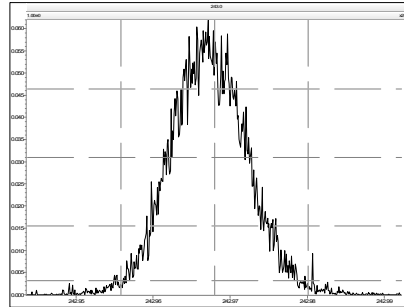
M 218.9856 R 11313



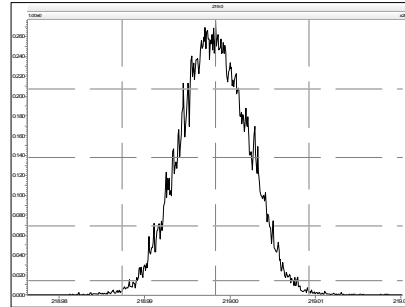
M 230.9856 R 11112



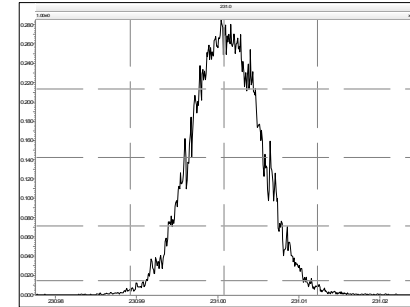
M 242.9856 R 10988



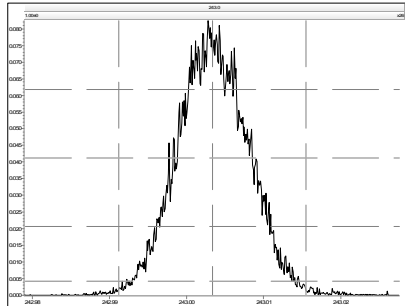
M 218.9856 R 12286



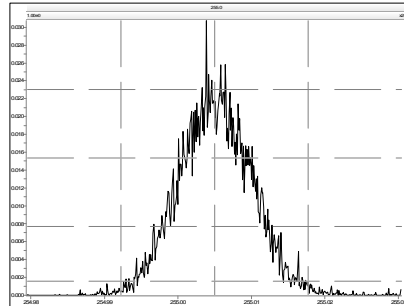
M 230.9856 R 11848



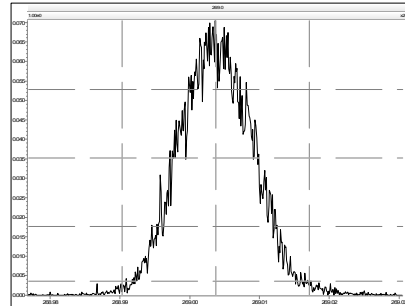
M 242.9856 R 11340



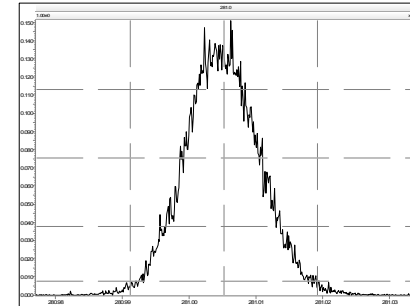
M 254.9856 R 12138



M 268.9824 R 11275



M 280.9824 R 10965

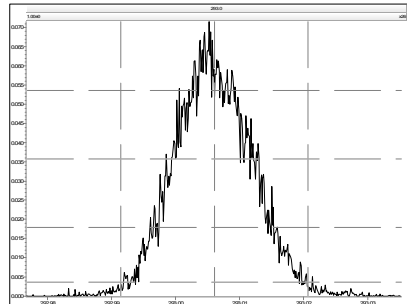


Resolution Check Report

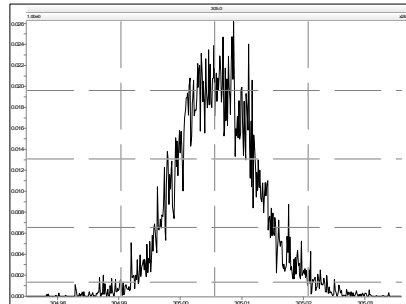
MassLynx 4.1

Printed: Thursday, July 05, 2012 21:14:16 Eastern Daylight Time

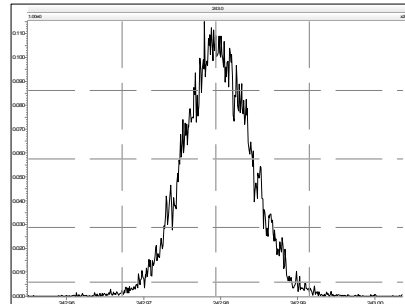
M 292.9824 R 11236



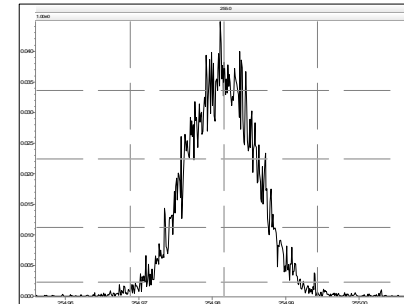
M 304.9824 R 11049



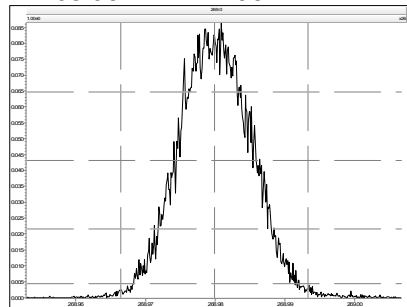
M 242.9856 R 12383



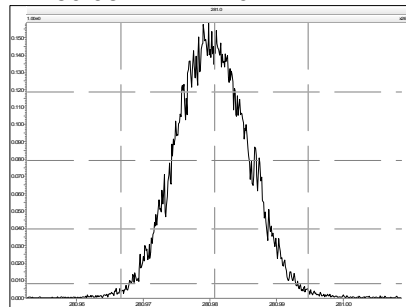
M 254.9856 R 12658



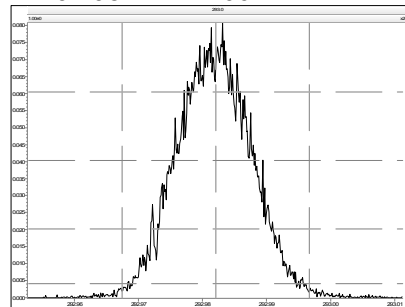
M 268.9824 R 11798



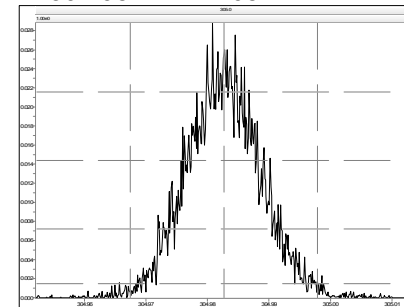
M 280.9824 R 11161



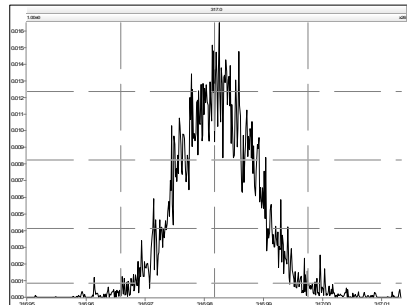
M 292.9824 R 11067



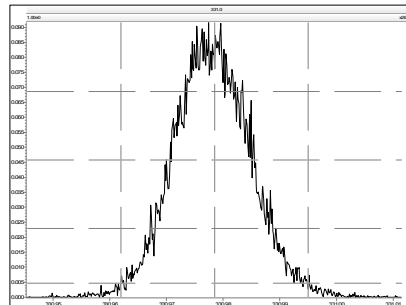
M 304.9824 R 11682



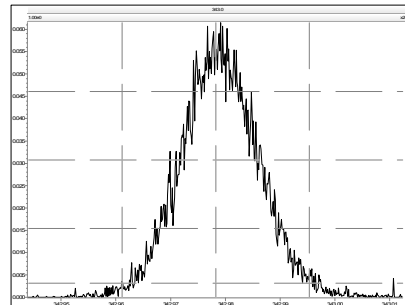
M 316.9824 R 12986



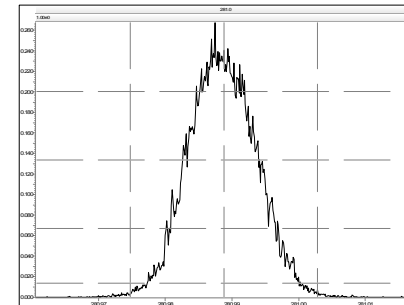
M 330.9792 R 10660



M 342.9792 R 10639



M 280.9824 R 12376



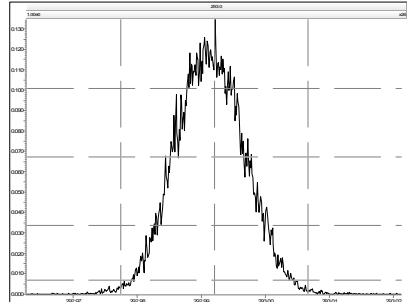
Resolution Check Report

MassLynx 4.1

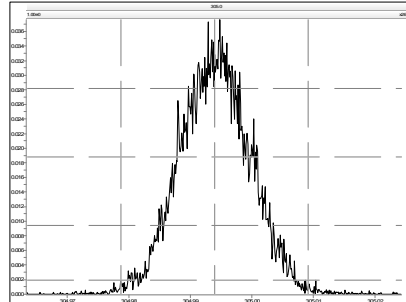
Page 3 of 6

Printed: Thursday, July 05, 2012 21:14:16 Eastern Daylight Time

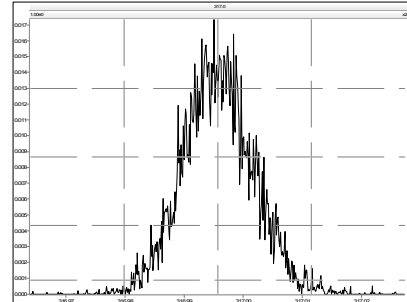
M 292.9824 R 11831



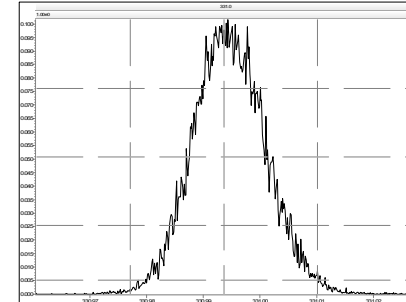
M 304.9824 R 12107



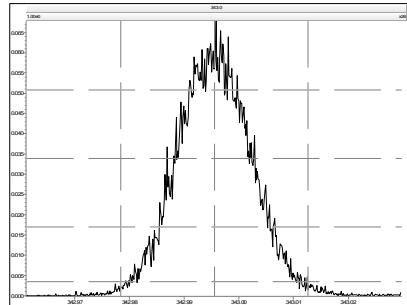
M 316.9824 R 12077



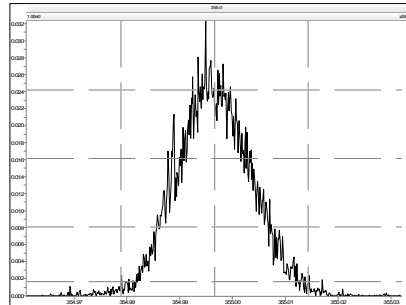
M 330.9792 R 11163



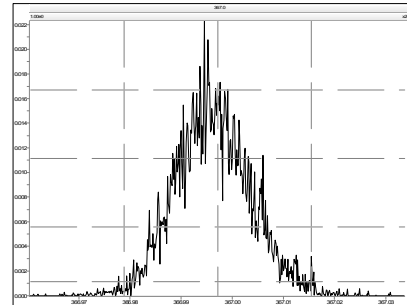
M 342.9792 R 11264



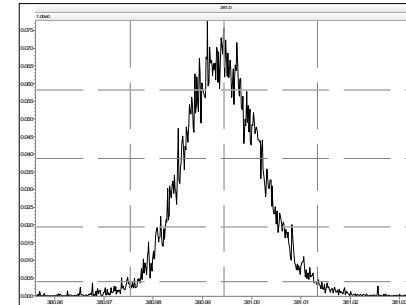
M 354.9792 R 11792



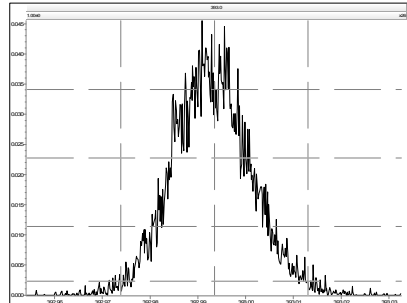
M 366.9792 R 11691



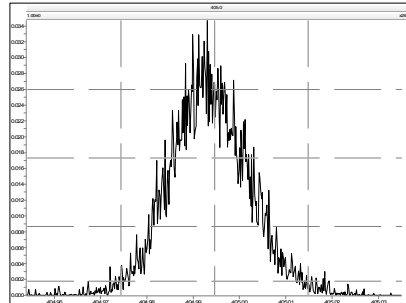
M 380.9760 R 10753



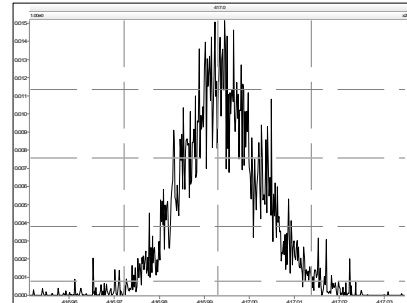
M 392.9760 R 10852



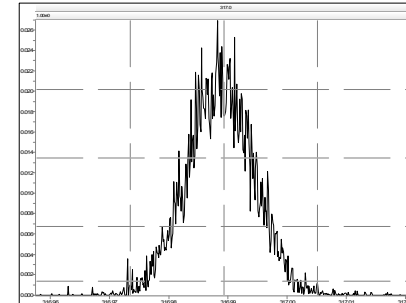
M 404.9760 R 10526



M 416.9760 R 11444



M 316.9824 R 13094

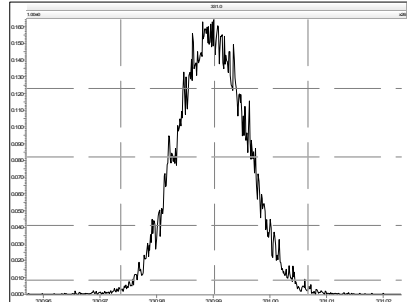


Resolution Check Report

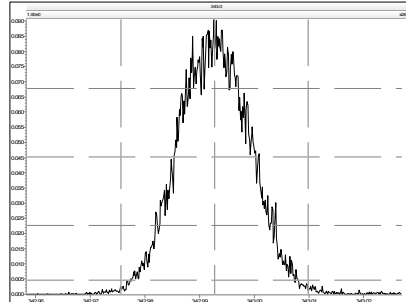
MassLynx 4.1

Printed: Thursday, July 05, 2012 21:14:16 Eastern Daylight Time

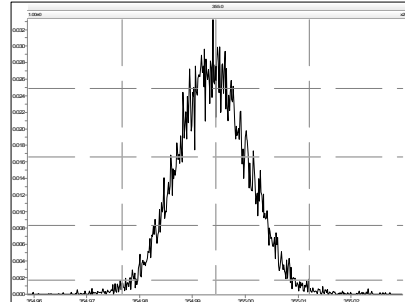
M 330.9792 R 11709



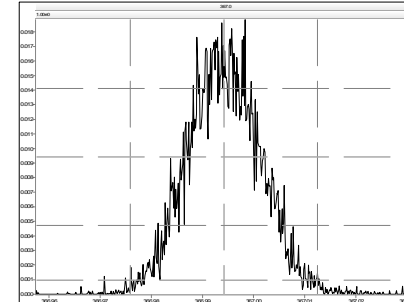
M 342.9792 R 11712



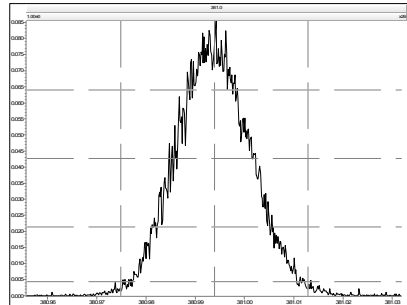
M 354.9792 R 11723



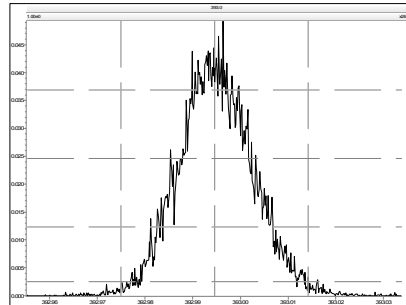
M 366.9792 R 11990



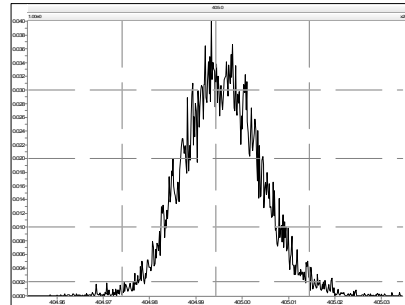
M 380.9760 R 11186



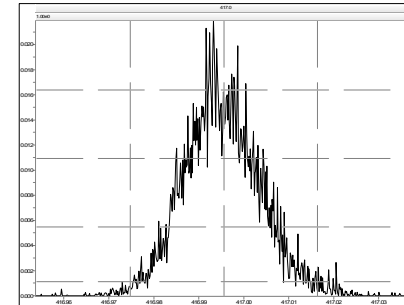
M 392.9760 R 12136



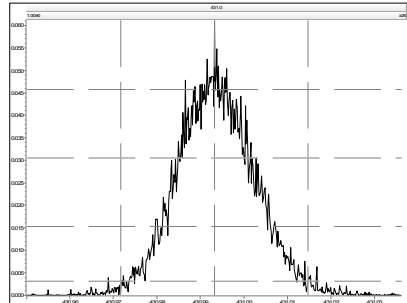
M 404.9760 R 11439



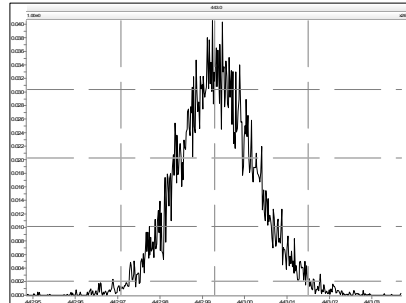
M 416.9760 R 11601



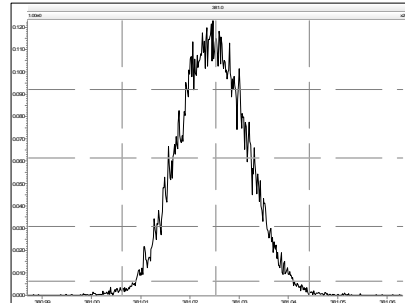
M 430.9728 R 11600



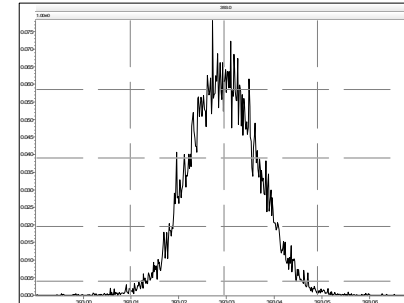
M 442.9728 R 11012



M 380.9760 R 12140



M 392.9760 R 11876



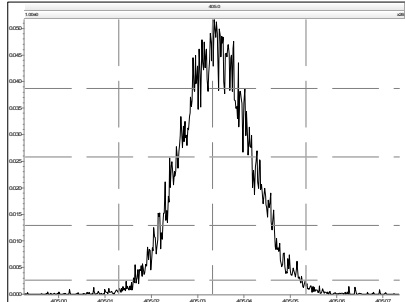
Resolution Check Report

MassLynx 4.1

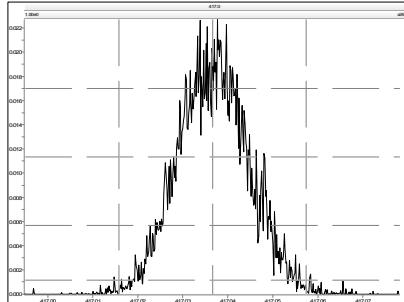
Page 5 of 6

Printed: Thursday, July 05, 2012 21:14:16 Eastern Daylight Time

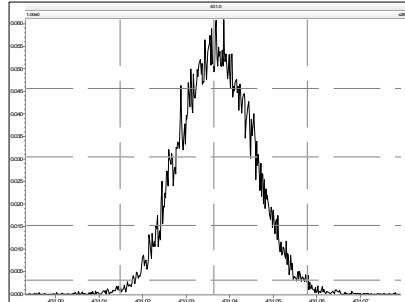
M 404.9760 R 11682



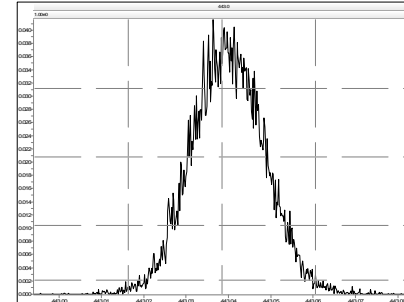
M 416.9760 R 12515



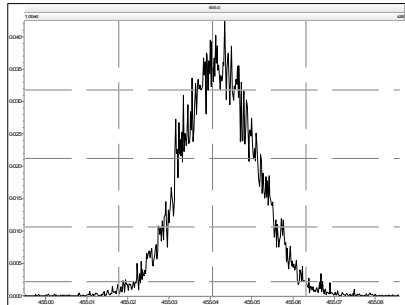
M 430.9728 R 11469



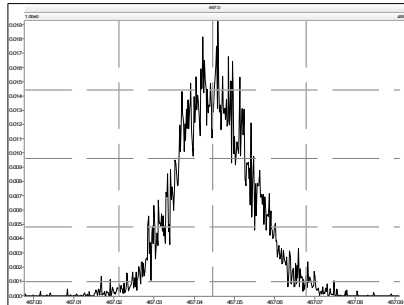
M 442.9728 R 11794



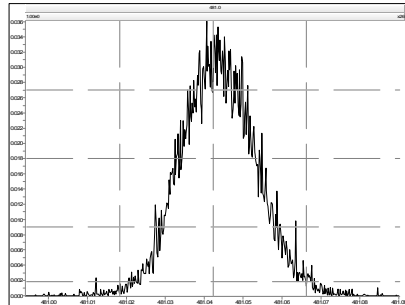
M 454.9728 R 11656



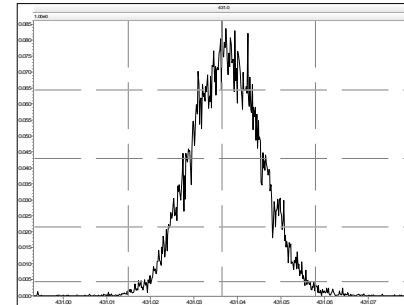
M 466.9728 R 12087



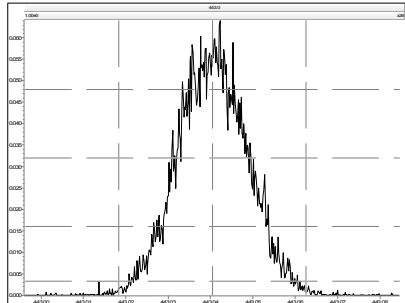
M 480.9696 R 10918



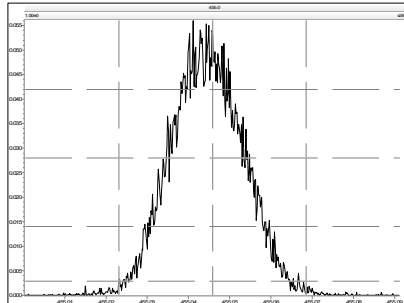
M 430.9728 R 11993



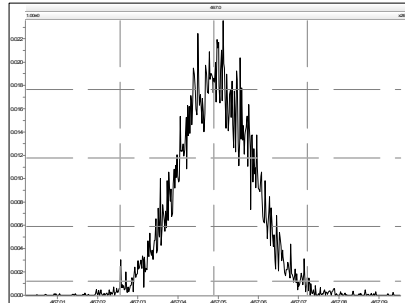
M 442.9728 R 11709



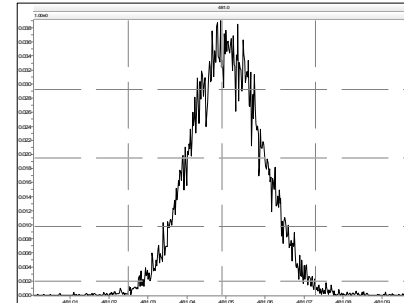
M 454.9728 R 11547



M 466.9728 R 12051



M 480.9696 R 11764



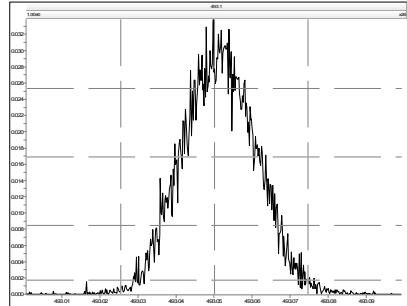
Resolution Check Report

MassLynx 4.1

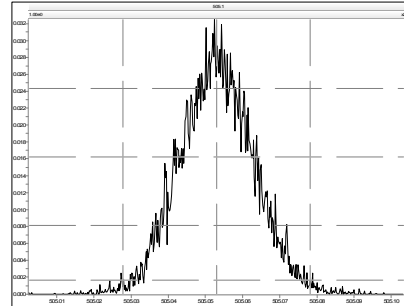
Page 6 of 6

Printed: Thursday, July 05, 2012 21:14:16 Eastern Daylight Time

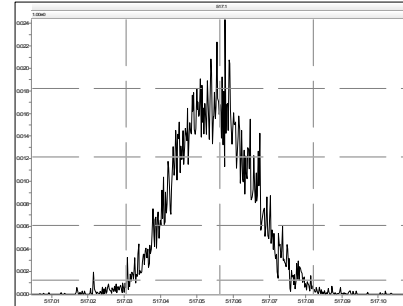
M 492.9696 R 11911



M 504.9696 R 11364



M 516.9697 R 11655

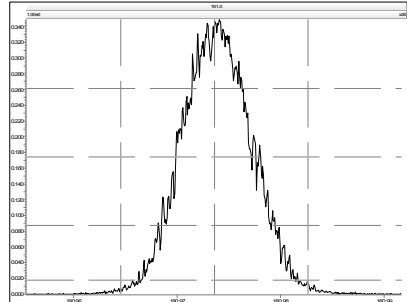


Resolution Check Report

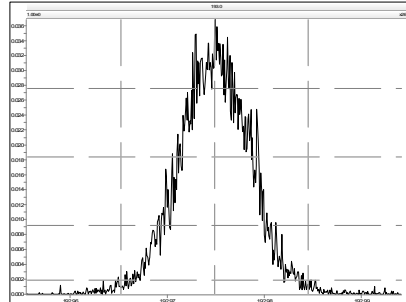
MassLynx 4.1

Printed: Friday, July 06, 2012 02:55:25 Eastern Daylight Time

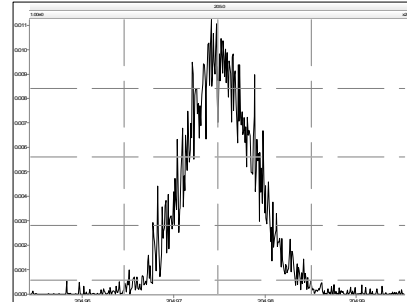
M 180.9888 R 11908



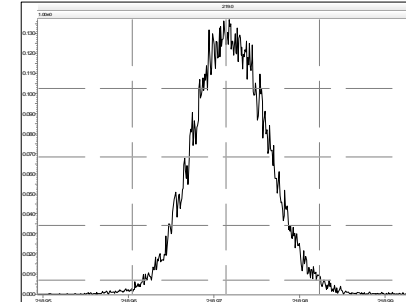
M 192.9888 R 12354



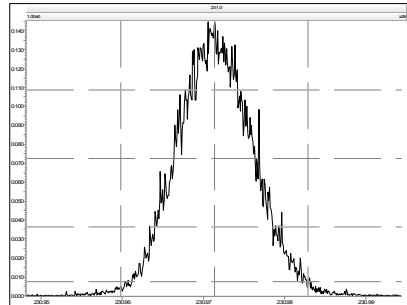
M 204.9888 R 12468



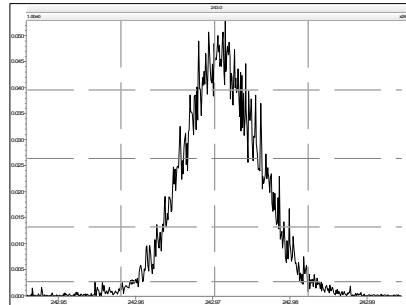
M 218.9856 R 11365



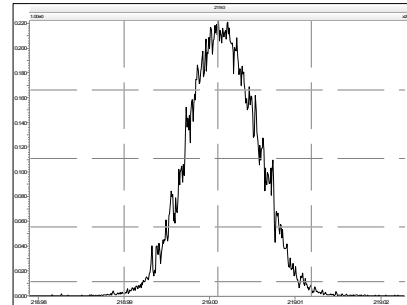
M 230.9856 R 11266



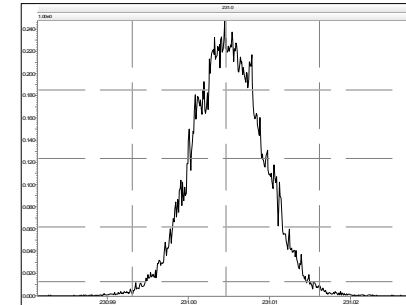
M 242.9856 R 11363



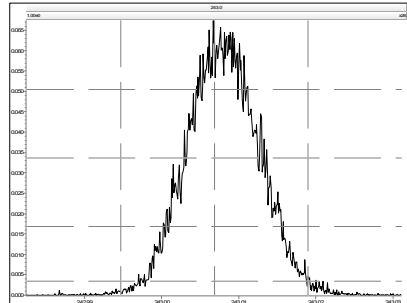
M 218.9856 R 12351



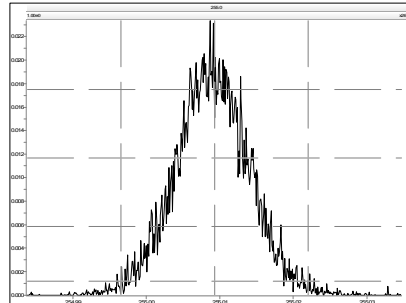
M 230.9856 R 11720



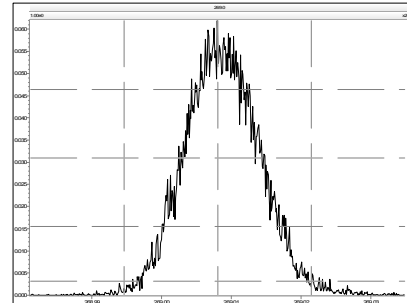
M 242.9856 R 11369



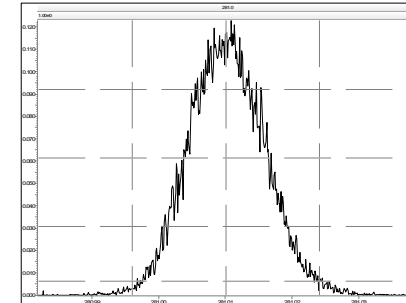
M 254.9856 R 11900



M 268.9824 R 11501



M 280.9824 R 10946

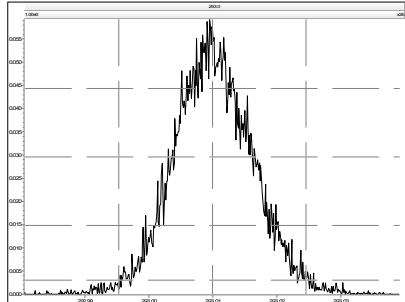


Resolution Check Report

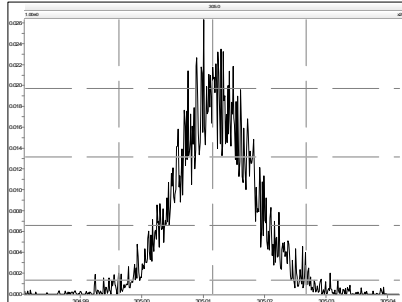
MassLynx 4.1

Printed: Friday, July 06, 2012 02:55:25 Eastern Daylight Time

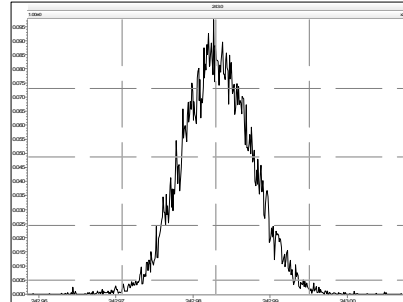
M 292.9824 R 11210



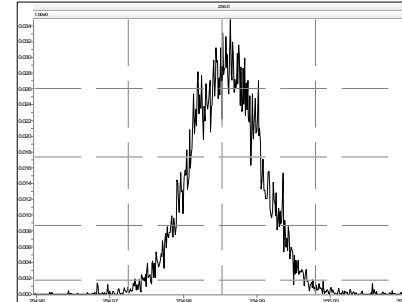
M 304.9824 R 11118



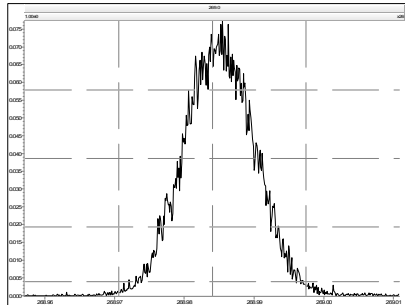
M 242.9856 R 12438



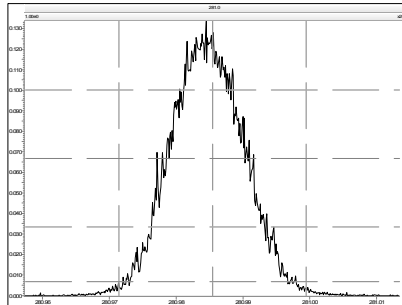
M 254.9856 R 12565



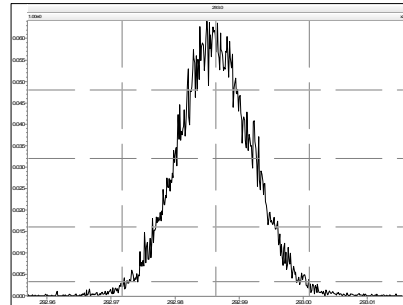
M 268.9824 R 11608



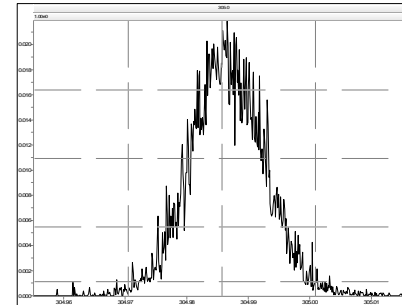
M 280.9824 R 11065



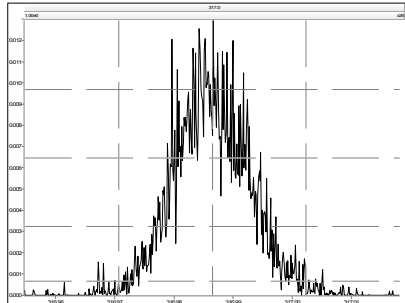
M 292.9824 R 11286



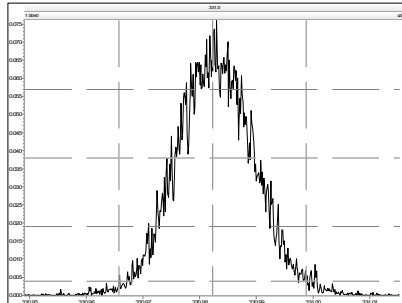
M 304.9824 R 11338



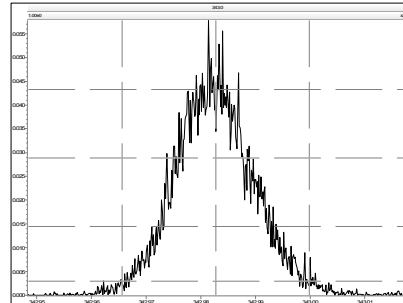
M 316.9824 R 12732



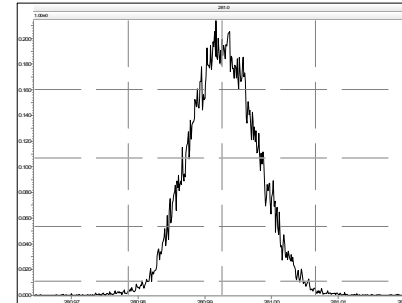
M 330.9792 R 10683



M 342.9792 R 11188



M 280.9824 R 11876



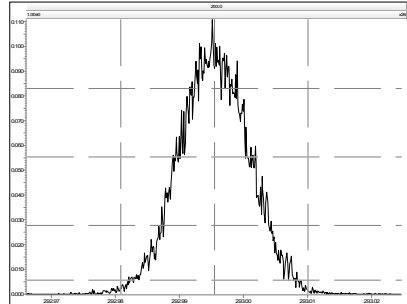
Resolution Check Report

MassLynx 4.1

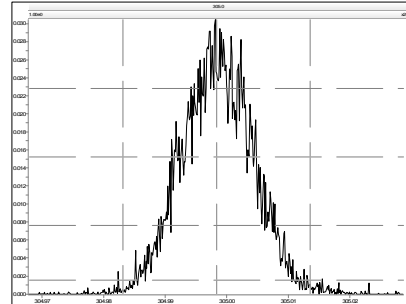
Page 3 of 6

Printed: Friday, July 06, 2012 02:55:25 Eastern Daylight Time

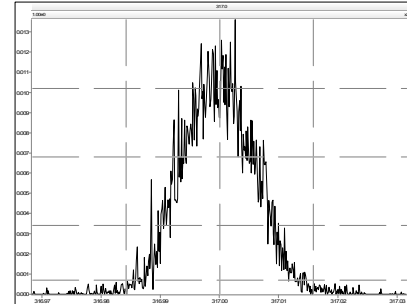
M 292.9824 R 11469



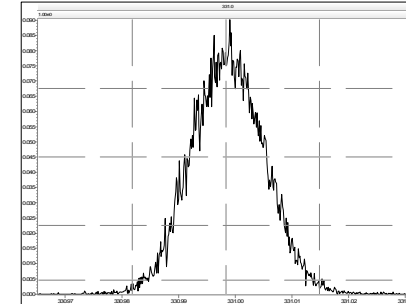
M 304.9824 R 11820



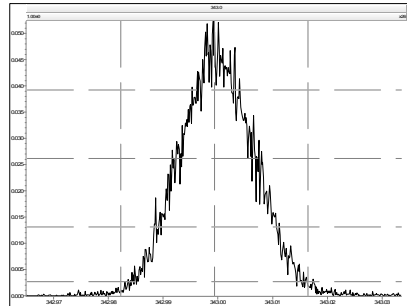
M 316.9824 R 12789



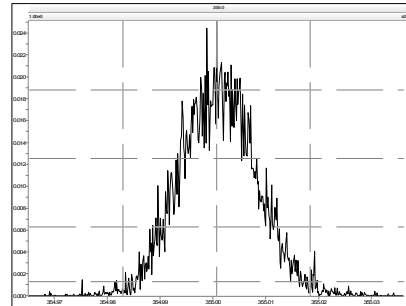
M 330.9792 R 11242



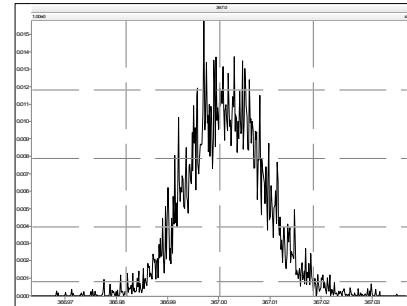
M 342.9792 R 11237



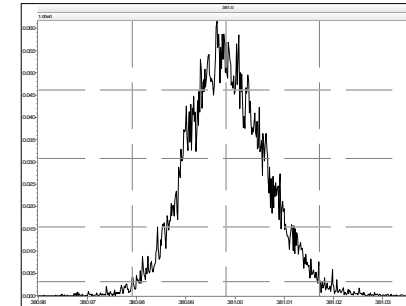
M 354.9792 R 12259



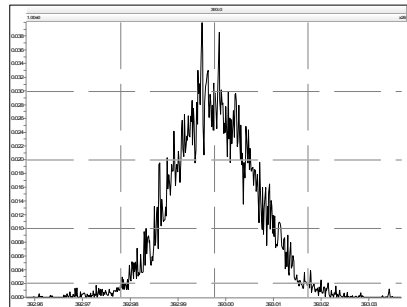
M 366.9792 R 11623



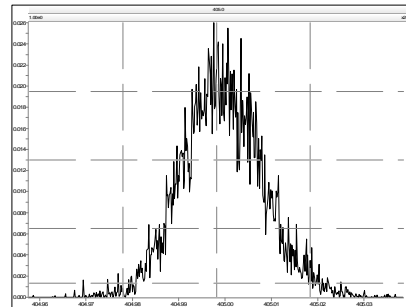
M 380.9760 R 10849



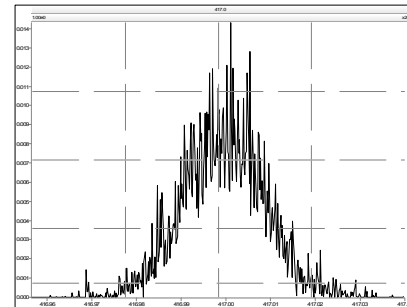
M 392.9760 R 10653



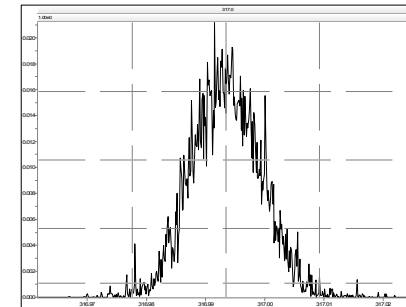
M 404.9760 R 10730



M 416.9760 R 11938



M 316.9824 R 13065

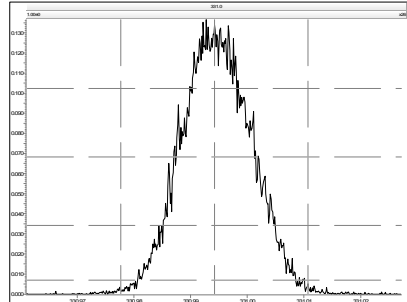


Resolution Check Report

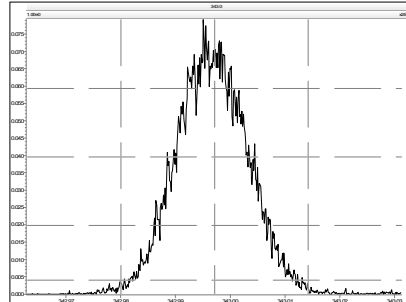
MassLynx 4.1

Printed: Friday, July 06, 2012 02:55:25 Eastern Daylight Time

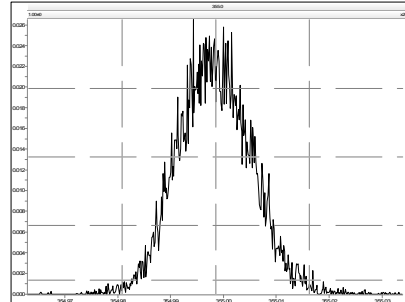
M 330.9792 R 11792



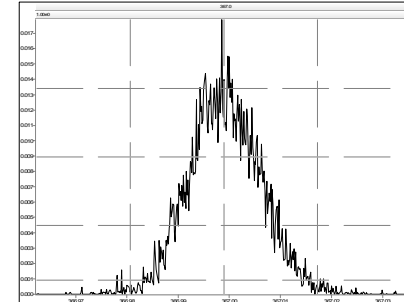
M 342.9792 R 11905



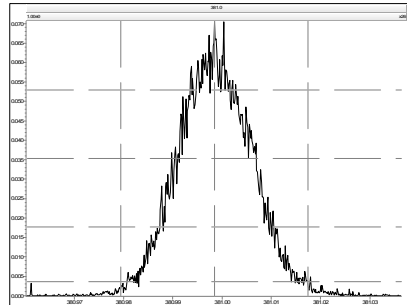
M 354.9792 R 11887



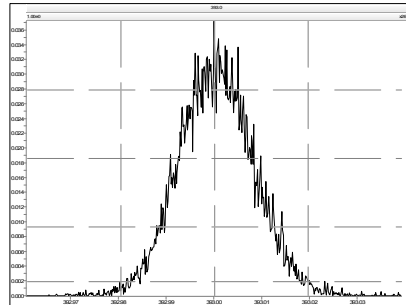
M 366.9792 R 12001



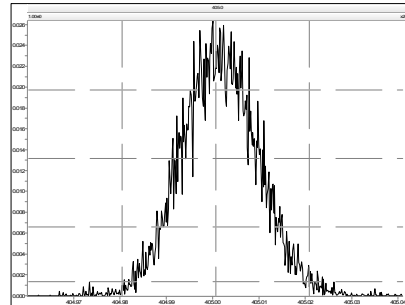
M 380.9760 R 11891



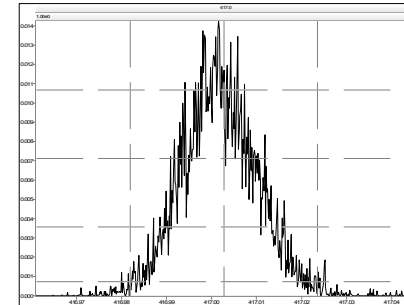
M 392.9760 R 10686



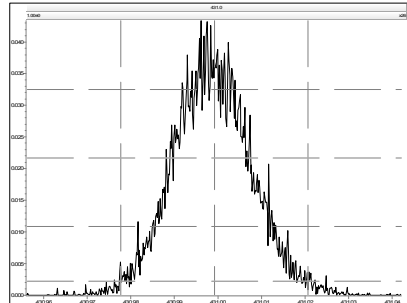
M 404.9760 R 11236



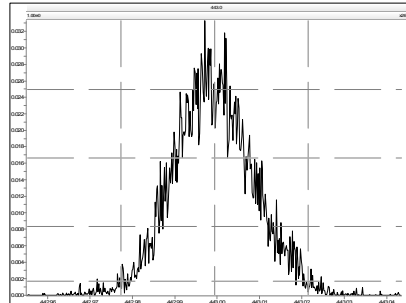
M 416.9760 R 12191



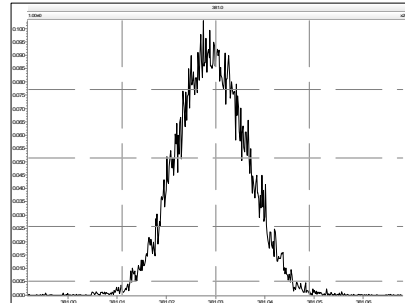
M 430.9728 R 10752



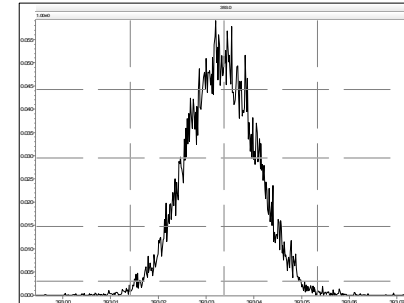
M 442.9728 R 11034



M 380.9760 R 11772



M 392.9760 R 11848

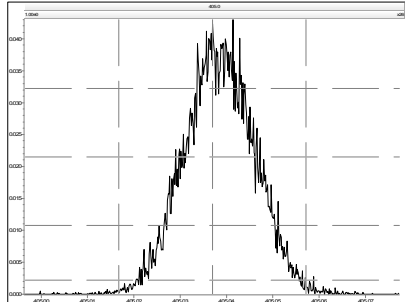


Resolution Check Report

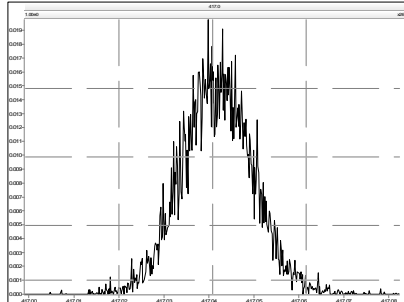
MassLynx 4.1

Printed: Friday, July 06, 2012 02:55:25 Eastern Daylight Time

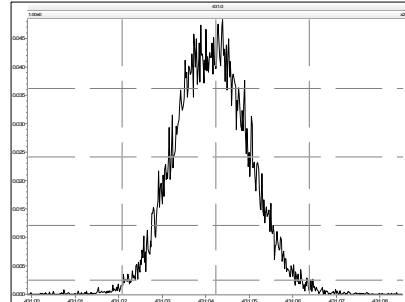
M 404.9760 R 12021



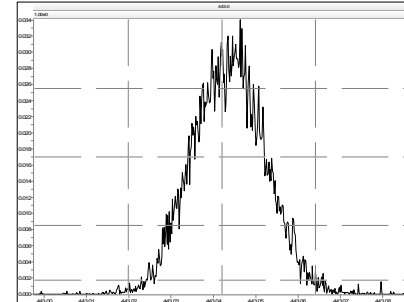
M 416.9760 R 12224



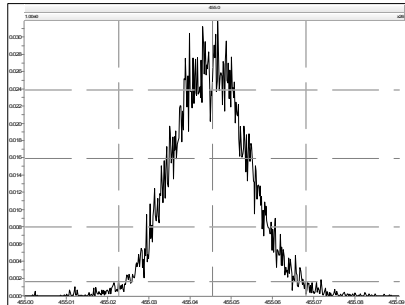
M 430.9728 R 11468



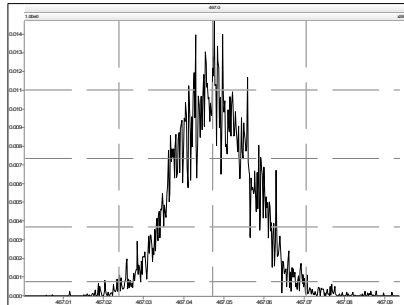
M 442.9728 R 12311



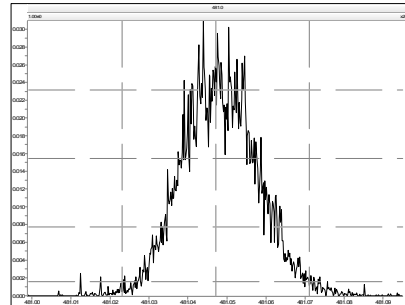
M 454.9728 R 11393



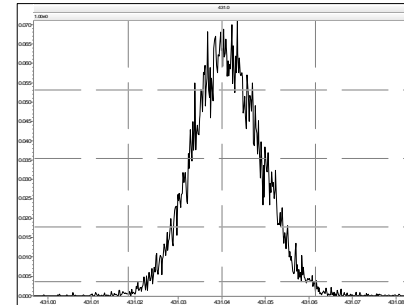
M 466.9728 R 12100



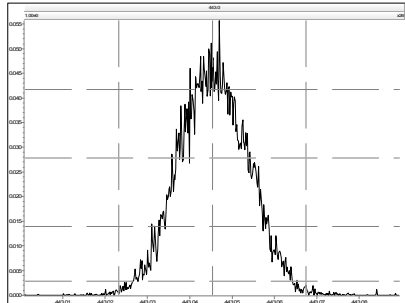
M 480.9696 R 11194



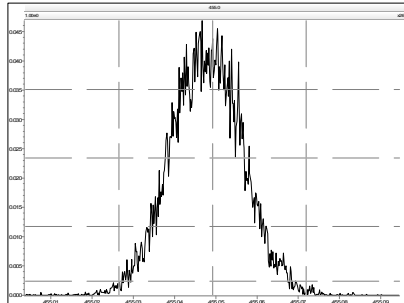
M 430.9728 R 11792



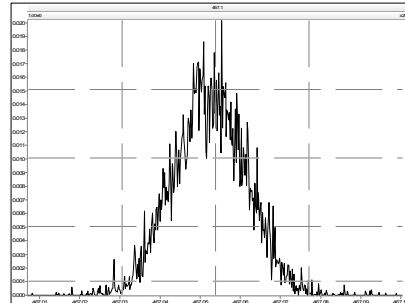
M 442.9728 R 11998



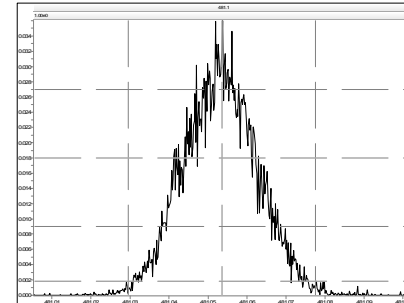
M 454.9728 R 11471



M 466.9728 R 12010



M 480.9696 R 11186



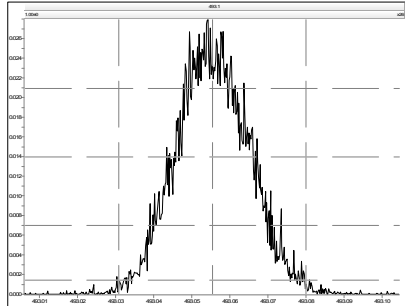
Resolution Check Report

MassLynx 4.1

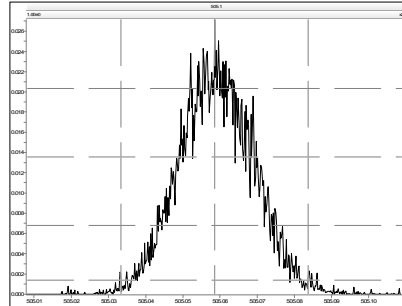
Page 6 of 6

Printed: Friday, July 06, 2012 02:55:25 Eastern Daylight Time

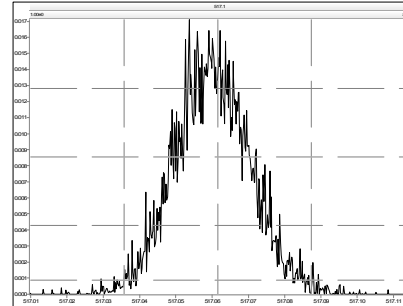
M 492.9696 R 11043



M 504.9696 R 11163



M 516.9697 R 11794



PCB ICAL Summary			Analytical Perspectives						Printed: 30 Jan 2012 11:35	
ICAL: MM4_PCB_01102012_26JAN12										
Acquired: 26 Jan 2012										
Date Processed: 30 Jan 2012 11:15										
Name	Mean	% RSD	120126S03 0.5	120126S03 1	120126S04 5	120126S05 50	120126S06 400	120126S07 2000		
PCB-77 33'44'-TeCB	1.22	4.2%	1.16	1.21	1.20	1.23	1.27	1.29	✓	
PCB-81 344'5'-TeCB	1.24	4.9%	1.15	1.23	1.20	1.29	1.29	1.31	✓	
PCB-105 233'44'-PeCB	1.03	6.2%	0.94	1.01	0.97	1.09	1.08	1.07		
PCB-114 2344'5'-PeCB	1.10	5.5%	1.05	1.01	1.07	1.16	1.14	1.15		
PCB-118 23'44'5'-PeCB	1.03	6.8%	0.97	0.99	0.95	1.09	1.11	1.09		
PCB-123 2'344'5'-PeCB	0.93	7.4%	0.85	0.85	0.90	0.98	0.99	0.99		
PCB-126 33'44'5'-PeCB	1.11	4.0%	1.13	1.04	1.09	1.11	1.12	1.18		
PCB-156/157 233'44'5'/233'44'5'	1.05	6.1%	0.99	1.02	0.97	1.06	1.11	1.13		
PCB-167 23'44'55'-HxCB	1.08	6.4%	1.01	1.01	1.06	1.10	1.15	1.16		
PCB-169 33'44'55'-HxCB	1.04	4.7%	1.00	0.99	1.01	1.09	1.08	1.10		
PCB-189 233'44'55'-HpCB	1.11	6.1%	1.10	1.00	1.07	1.14	1.18	1.17		
PCB-209 DeCB	1.05	4.9%	1.12	1.00	0.99	1.04	1.07	1.08		
ES PCB-1	1.01	0.6%	1.01	1.01	1.02	1.00	1.02	1.02		
ES PCB-3	1.05	1.5%	1.05	1.04	1.04	1.04	1.06	1.08		
ES PCB-4	0.70	1.0%	0.70	0.70	0.69	0.69	0.71	0.70		
ES PCB-15	1.17	3.4%	1.19	1.17	1.10	1.16	1.19	1.22		
ES PCB-19	0.57	1.6%	0.57	0.57	0.55	0.57	0.58	0.56		
ES PCB-37	1.41	4.0%	1.42	1.44	1.32	1.39	1.41	1.49		
ES PCB-54	1.32	2.8%	1.28	1.31	1.35	1.30	1.31	1.38	✓	
ES PCB-77	1.22	5.9%	1.25	1.31	1.09	1.20	1.22	1.23	✓	
ES PCB-81	1.15	5.6%	1.19	1.21	1.04	1.12	1.16	1.19		
ES PCB-104	1.69	3.6%	1.67	1.68	1.80	1.66	1.63	1.68		
ES PCB-105	1.21	3.3%	1.25	1.25	1.16	1.17	1.19	1.21	✓	
ES PCB-114	1.23	3.4%	1.29	1.28	1.19	1.19	1.23	1.22		
ES PCB-118	1.25	3.9%	1.30	1.31	1.21	1.20	1.23	1.22		
ES PCB-123	1.33	2.8%	1.37	1.37	1.28	1.31	1.31	1.32		
ES PCB-126	1.36	4.3%	1.40	1.44	1.28	1.34	1.34	1.35		
ES PCB-153	1.09	1.0%	1.09	1.08	1.08	1.09	1.07	1.10		
ES PCB-155	1.40	3.0%	1.36	1.37	1.48	1.41	1.40	1.41		
ES PCB-156/157	1.13	1.0%	1.14	1.13	1.13	1.12	1.13	1.15		
ES PCB-167	1.13	1.2%	1.14	1.14	1.12	1.11	1.12	1.14		
ES PCB-169	1.14	2.9%	1.17	1.15	1.10	1.10	1.14	1.18	✓	
ES PCB-170	1.23	1.5%	1.23	1.25	1.21	1.21	1.23	1.26		
ES PCB-180	1.46	1.4%	1.45	1.47	1.46	1.46	1.46	1.50		
ES PCB-188	1.34	1.6%	1.35	1.32	1.35	1.37	1.34	1.31		
ES PCB-189	1.77	2.8%	1.77	1.81	1.75	1.72	1.71	1.84		
ES PCB-202	1.27	0.5%	1.28	1.27	1.27	1.28	1.27	1.27		
ES PCB-205	1.25	2.1%	1.24	1.27	1.22	1.23	1.24	1.29		
ES PCB-206	1.07	1.4%	1.06	1.06	1.06	1.06	1.07	1.10	✓	

REVIEWED
By cwood at 2:15 pm, Jan 30, 2012

Reviewed by
JK 15-Feb-2012

APPROVED
By Bryan Vining at 1:56 pm, Feb 15, 2012

PCB ICAL Summary			Analytical Perspectives						Printed: 30 Jan 2012 11:35	
ICAL: MM4_PCB_01102012_26JAN12										
Acquired: 26 Jan 2012										
			120126S03	120126S03	120126S04	120126S05	120126S06	120126S07		
			0.5	1	5	50	400	2000		
Name	Mean	% RSD	CS0	CS1	CS2	CS3	CS4	CS5		
ES PCB-208	1.34	1.3%	1.32	1.35	1.34	1.33	1.33	1.37		
ES PCB-209	1.18	1.3%	1.18	1.21	1.17	1.17	1.18	1.20		
SS PCB-28	0.98	2.9%	0.97	0.95	1.03	0.98	0.98	0.99		
SS PCB-111	0.90	2.3%	0.89	0.88	0.92	0.93	0.88	0.89		
SS PCB-178	0.65	2.0%	0.64	0.66	0.65	0.65	0.63	0.66		
CS PCB-28	1.39	2.9%	1.38	1.37	1.36	1.36	1.38	1.47		
CS PCB-111	1.19	2.3%	1.22	1.21	1.18	1.21	1.15	1.18		
CS PCB-178	0.87	1.8%	0.86	0.88	0.87	0.89	0.84	0.87		
PCB-1 2-MoCB	1.20	2.5%	1.19	1.19	1.15	1.20	1.22	1.24		
PCB-3 4-MoCB	1.13	2.5%	1.11	1.10	1.11	1.13	1.16	1.17		
PCB-4 22'-DiCB	0.94	4.9%	0.94	0.86	0.94	0.98	0.95	0.99		
PCB-15 44'-DiCB	1.01	4.1%	0.98	0.94	1.02	1.02	1.04	1.04		
PCB-19 22'6'-TrCB	1.01	3.6%	0.96	1.02	0.98	1.01	1.04	1.06		
PCB-37 344'-TrCB	1.20	3.6%	1.16	1.16	1.17	1.20	1.24	1.26		
PCB-54 22'66'-TeCB	0.93	4.1%	0.88	0.90	0.93	0.94	0.97	0.98		
PCB-104 22'466'-PeCB	0.92	4.5%	0.91	0.87	0.87	0.92	0.97	0.96		
PCB-153 22'44'55' -HxCB	1.15	4.0%	1.11	1.13	1.09	1.16	1.20	1.19		
PCB-155 22'44'66'-HxCB	1.06	3.9%	1.04	1.00	1.03	1.08	1.07	1.11		
PCB-170 22'33'44'5'-HpCB	1.00	6.3%	0.91	0.97	0.96	1.02	1.05	1.08		
PCB-180 22'344'55'-HpCB	1.01	5.1%	0.97	0.95	0.98	1.04	1.07	1.06		
PCB-188 22'34'566'-HpCB	1.07	3.7%	1.04	1.01	1.06	1.07	1.09	1.13		
PCB-202 22'33'55'66'-OcCB	0.83	5.1%	0.86	0.75	0.80	0.83	0.86	0.85		
PCB-205 233'44'55'6'-OcCB	1.09	3.5%	1.06	1.08	1.04	1.09	1.13	1.15		
PCB-208 22'33'455'66'-NoCB	0.98	4.2%	0.95	0.96	0.92	0.98	1.02	1.03		
PCB-206 22'33'44'55'6'-NoCB	0.93	4.1%	0.89	0.90	0.91	0.95	0.98	0.97		

1668A/B ICALs											
Ax	RSD	Mean	sd	MM4_PCB_07192011_28SEP11		MM4_PCB_01102012_26JAN1		RSD	Mean	sd	PD from Mean
77	7.6	1.04	0.08	1.20	1.22	1.3	1.21	0.02			0.9%
81	9.8	1.09	0.11	1.08	1.24	9.5	1.16	0.11			6.7%
105	8.6	0.98	0.08	0.89	1.03	10.1	0.96	0.10			7.2%
114	8.5	0.97	0.08	0.94	1.1	10.8	1.02	0.11			7.6%
118	7.2	0.98	0.07	0.88	1.03	10.8	0.96	0.10			7.7%
123	6.4	0.97	0.06	1.00	0.93	5.1	0.96	0.05			-3.6%
126	8.2	0.98	0.08	0.96	1.11	10.0	1.04	0.10			7.1%
156/157	4.6	0.97	0.05	1.05	1.05	0.3	1.05	0.00			-0.2%
167	5.2	0.96	0.05	1.11	1.08	1.7	1.09	0.02			-1.2%
169	4.6	0.93	0.04	1.06	1.04	1.5	1.05	0.02			-1.1%
189	9.8	0.93	0.09	1.19	1.11	5.0	1.15	0.06			-3.5%
1	10.9	1.18	0.13	1.18	1.2	1.2	1.19	0.01			0.9%
3	9.5	1.18	0.11	1.13	1.13	0.1	1.13	0.00			0.0%
4	10.4	0.97	0.10	0.89	0.94	4.1	0.91	0.04			2.9%
15	7.2	0.99	0.07	1.08	1.01	4.8	1.05	0.05			-3.4%
19	5.3	1.04	0.06	0.95	1.01	4.3	0.98	0.04			3.0%
37	8.1	1.05	0.08	1.18	1.2	1.4	1.19	0.02			1.0%
54	9.1	1.02	0.09	0.88	0.93	3.8	0.91	0.03			2.7%
104	9.0	1.00	0.09	0.87	0.92	4.2	0.89	0.04			3.0%
153											
155	5.1	1.02	0.05	1.00	1.06	4.5	1.03	0.05			3.2%
170											
180											
188	6.5	1.06	0.07	1.02	1.07	3.4	1.05	0.04			2.4%
202	7.6	0.87	0.07	0.78	0.83	4.5	0.80	0.04			3.2%
205	5.8	1.02	0.06	1.03	1.09	3.9	1.06	0.04			2.7%
208	4.5	0.94	0.04	0.88	0.98	7.6	0.93	0.07			5.4%
206	7.1	0.98	0.07	0.91	0.93	1.6	0.92	0.01			1.1%
209	6.4	0.94	0.06	1.02	1.05	1.8	1.04	0.02			1.3%
ES						#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
1	10.8	0.98	0.11	1.07	1.01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	10.3	0.98	0.10	1.07	1.05	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	8.3	0.71	0.06	0.84	0.7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	6.3	1.05	0.07	1.12	1.17	3.1	1.15	0.04			2.2%
19	8.4	0.58	0.05	0.63	0.57	7.3	0.60	0.04			-5.2%
37	7.8	1.40	0.11	1.17	1.41	13.0	1.29	0.17			9.2%
54	13.1	1.35	0.18	1.59	1.32	13.2	1.46	0.19			-9.3%
77	7.9	1.20	0.10	1.05	1.22	10.9	1.13	0.12			7.7%
81	7.0	1.17	0.08	1.11	1.15	2.6	1.13	0.03			1.9%
104	12.1	1.48	0.18	1.97	1.69	10.9	1.83	0.20			-7.7%
105	5.1	1.18	0.06	1.18	1.21	1.9	1.19	0.02			1.3%
114	4.2	1.23	0.05	1.24	1.23	0.7	1.24	0.01			-0.5%
118	5.2	1.24	0.07	1.27	1.25	1.3	1.26	0.02			-0.9%
123	5.4	1.20	0.06	1.15	1.33	10.1	1.24	0.13			7.1%
126	8.5	1.29	0.11	1.16	1.36	11.1	1.26	0.14			7.8%
153											
155	5.0	1.51	0.08	1.56	1.4	7.5	1.48	0.11			-5.3%
156/157	15.9	1.15	0.18	0.92	1.13	14.8	1.02	0.15			10.5%
167	14.1	1.18	0.17	0.94	1.13	12.8	1.04	0.13			9.0%
169	19.8	1.10	0.22	0.80	1.14	25.0	0.97	0.24			17.7%
170											
180											
188	12.9	1.39	0.18	1.66	1.34	15.0	1.50	0.23			-10.6%
189	9.1	1.70	0.15	1.55	1.77	9.4	1.66	0.16			6.6%
202	9.7	1.32	0.13	1.46	1.27	9.7	1.36	0.13			-6.9%

205	4.3	1.26	0.05	1.21	1.25	2.6	1.23	0.03	1.8%
206	7.4	0.94	0.07	1.12	1.07	3.1	1.09	0.03	-2.2%
208	8.5	1.31	0.11	1.61	1.34	12.9	1.47	0.19	-9.1%
209	6.3	1.21	0.08	1.19	1.18	0.9	1.19	0.01	-0.6%
SS									
28	7.1	1.11	0.08	1.05	0.98	5.0	1.02	0.05	-3.5%
111	6.3	1.07	0.07	1.02	0.90	8.6	0.96	0.08	-6.1%
178	4.6	0.68	0.03	0.66	0.65	1.6	0.66	0.01	-1.1%

Additional Ax						RSD	Mean	sd	PD from Historical Mean
PCB-1 2-MoCB	0.88					#DIV/0!	0.88	#DIV/0!	-100.0%
PCB-2 3-MoCB	0.84					#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-3 4-MoCB	0.83					#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-4 22-DiCB	0.86					#DIV/0!	0.86	#DIV/0!	-100.0%
PCB-10 26-DiCB	1.33					#DIV/0!	1.33	#DIV/0!	-100.0%
PCB-9 25-DiCB	0.73					#DIV/0!	0.73	#DIV/0!	-100.0%
PCB-7 24-DiCB	0.81					#DIV/0!	0.81	#DIV/0!	-100.0%
PCB-6 23-DiCB	0.76					#DIV/0!	0.76	#DIV/0!	-100.0%
PCB-5 23-DiCB	0.76					#DIV/0!	0.76	#DIV/0!	-100.0%
PCB-8 24-DiCB	0.77					#DIV/0!	0.77	#DIV/0!	-100.0%
PCB-14 35-DiCB	0.89					#DIV/0!	0.89	#DIV/0!	-100.0%
PCB-11 33-DiCB	0.78					#DIV/0!	0.78	#DIV/0!	-100.0%
PCB-13/12 34-/34-DiCB	0.79					#DIV/0!	0.79	#DIV/0!	-100.0%
PCB-15 44-DiCB	0.83					#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-19 226-TrCB	0.95					#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-30/18 246-/225-TrCB	1.21					#DIV/0!	1.21	#DIV/0!	-100.0%
PCB-17 224-TrCB	1.04					#DIV/0!	1.04	#DIV/0!	-100.0%
PCB-27 236-TrCB	1.41					#DIV/0!	1.41	#DIV/0!	-100.0%
PCB-24 236-TrCB	1.34					#DIV/0!	1.34	#DIV/0!	-100.0%
PCB-16 223-TrCB	0.84					#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-32 246-TrCB	1.46					#DIV/0!	1.46	#DIV/0!	-100.0%
PCB-34 235-TrCB	0.98					#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-23 235-TrCB	0.99					#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-26/29 235-/245-TrCB	1.02					#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-25 234-TrCB	1.02					#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-31 245-TrCB	1.04					#DIV/0!	1.04	#DIV/0!	-100.0%
PCB-28/20 244-/233-TrCB	1.00					#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-21/33 234-/234-TrCB	1.02					#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-22 234-TrCB	0.93					#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-36 335-TrCB	1.05					#DIV/0!	1.05	#DIV/0!	-100.0%
PCB-39 345-TrCB	1.09					#DIV/0!	1.09	#DIV/0!	-100.0%
PCB-38 345-TrCB	0.96					#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-35 334-TrCB	0.96					#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-37 344-TrCB	0.98					#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-54 2266-TeCB	1.17					#DIV/0!	1.17	#DIV/0!	-100.0%
PCB-50/53 2246-/2256TeCB	0.59					#DIV/0!	0.59	#DIV/0!	-100.0%
PCB-45 2236-TeCB	0.50					#DIV/0!	0.50	#DIV/0!	-100.0%
PCB-51 2246-TeCB	0.60					#DIV/0!	0.60	#DIV/0!	-100.0%
PCB-46 2236-TeCB	0.46					#DIV/0!	0.46	#DIV/0!	-100.0%
PCB-52 2255-TeCB	0.54					#DIV/0!	0.54	#DIV/0!	-100.0%
PCB-73 2356TeCB	0.69					#DIV/0!	0.69	#DIV/0!	-100.0%
PCB-43 2235-TeCB	0.45					#DIV/0!	0.45	#DIV/0!	-100.0%
PCB-69/49 2346-/2245TeCB	0.66					#DIV/0!	0.66	#DIV/0!	-100.0%
PCB-48 2245-TeCB	0.54					#DIV/0!	0.54	#DIV/0!	-100.0%
PCB-44/47/65 2235-/2244'	0.58					#DIV/0!	0.58	#DIV/0!	-100.0%
PCB-59/62/75 2336-/2346-/24	0.75					#DIV/0!	0.75	#DIV/0!	-100.0%
PCB-42 2234-TeCB	0.50					#DIV/0!	0.50	#DIV/0!	-100.0%
PCB-41 2234-TeCB	0.46					#DIV/0!	0.46	#DIV/0!	-100.0%

PCB-71/40 23'4'6/22'33'-TeCB	0.55	#DIV/0!	0.55	#DIV/0!	-100.0%
PCB-64 23'4'-TeCB	0.77	#DIV/0!	0.77	#DIV/0!	-100.0%
PCB-72 23'55'-TeCB	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-68 23'45'-TeCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-57 23'35'-TeCB	0.88	#DIV/0!	0.88	#DIV/0!	-100.0%
PCB-58 23'35'-TeCB	0.86	#DIV/0!	0.86	#DIV/0!	-100.0%
PCB-67 23'45'-TeCB	0.89	#DIV/0!	0.89	#DIV/0!	-100.0%
PCB-63 23'45'-TeCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-61/70/74/76 23'45'-/23'4'5'	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-66 23'44'-TeCB	0.83	#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-55 23'3'4'-TeCB	0.83	#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-56 23'3'4'-TeCB	0.80	#DIV/0!	0.80	#DIV/0!	-100.0%
PCB-60 23'44'-TeCB	0.82	#DIV/0!	0.82	#DIV/0!	-100.0%
PCB-80 33'55'-TeCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-79 33'45'-TeCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-78 33'45'-TeCB	0.80	#DIV/0!	0.80	#DIV/0!	-100.0%
PCB-104 22'4'66'-PeCB	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-96 22'3'66'-PeCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-103 22'45'6'-PeCB	0.78	#DIV/0!	0.78	#DIV/0!	-100.0%
PCB-94 22'3'56'-PeCB	0.66	#DIV/0!	0.66	#DIV/0!	-100.0%
PCB-95 22'3'5'6'-PeCB	0.71	#DIV/0!	0.71	#DIV/0!	-100.0%
PCB-100/93 22'4'4'6'-/22'3'56'-P	0.70	#DIV/0!	0.70	#DIV/0!	-100.0%
PCB-102 22'4'56'-PeCB	0.82	#DIV/0!	0.82	#DIV/0!	-100.0%
PCB-98 22'3'46'-PeCB	0.66	#DIV/0!	0.66	#DIV/0!	-100.0%
PCB-88 22'3'46'-PeCB	0.67	#DIV/0!	0.67	#DIV/0!	-100.0%
PCB-91 22'3'4'6'-PeCB	0.78	#DIV/0!	0.78	#DIV/0!	-100.0%
PCB-84 22'3'3'6'-PeCB	0.63	#DIV/0!	0.63	#DIV/0!	-100.0%
PCB-89 22'3'46'-PeCB	0.67	#DIV/0!	0.67	#DIV/0!	-100.0%
PCB-121 23'45'6'-PeCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-92 22'3'55'-PeCB	0.71	#DIV/0!	0.71	#DIV/0!	-100.0%
PCB-113/90/101 23'3'5'6'-/22'3'	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-83 22'3'3'5'-PeCB	0.61	#DIV/0!	0.61	#DIV/0!	-100.0%
PCB-99 22'4'4'5'-PeCB	0.75	#DIV/0!	0.75	#DIV/0!	-100.0%
PCB-112 23'3'5'6'-PeCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-108/119/86/97/125/87 233	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-117 23'4'56'-PeCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-116/85 23'45'6'-/22'3'44'-Pe	0.81	#DIV/0!	0.81	#DIV/0!	-100.0%
PCB-110 23'3'4'6'-PeCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-115 23'44'6'-PeCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-82 22'3'3'4'-PeCB	0.61	#DIV/0!	0.61	#DIV/0!	-100.0%
PCB-111 23'3'55'-PeCB	1.05	#DIV/0!	1.05	#DIV/0!	-100.0%
PCB-120 23'455'-PeCB	1.02	#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-107/124 23'3'4'5'-/2'3'455'	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-109 23'3'46'-PeCB	1.01	#DIV/0!	1.01	#DIV/0!	-100.0%
PCB-106 23'3'45'-PeCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-122 2'3'3'45'-PeCB	0.80	#DIV/0!	0.80	#DIV/0!	-100.0%
PCB-127 33'455'-PeCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-155 22'4'4'66'-HxCB	1.06	#DIV/0!	1.06	#DIV/0!	-100.0%
PCB-152 22'3'566'-HxCB	0.99	#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-150 22'3'4'66'-HxCB	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-136 22'3'3'66'-HxCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-145 22'3'466'HxCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-148 22'3'4'56'-HxCB	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-151/135 22'3'55'6'-/22'3'3'	0.92	#DIV/0!	0.92	#DIV/0!	-100.0%
PCB-154 22'4'4'5'6'-HxCB	1.05	#DIV/0!	1.05	#DIV/0!	-100.0%
PCB-144 22'3'45'6'-HxCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-147/149 22'3'4'56'-/22'3'4'	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-134 22'3'3'56'-HxCB	0.76	#DIV/0!	0.76	#DIV/0!	-100.0%
PCB-143 22'3'456'-HxCB	0.89	#DIV/0!	0.89	#DIV/0!	-100.0%
PCB-139/140 22'3'44'6'-/22'3'44'	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-131 22'3'3'46'-HxCB	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-142 22'3'456'-HxCB	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-132 22'3'3'46'-HxCB	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-133 22'3'3'55'-HxCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%

PCB-165 233'55'6-HxCB	1.11	#DIV/0!	1.11	#DIV/0!	-100.0%
PCB-146 22'34'55'-HxCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-161 233'45'6-HxCB	1.25	#DIV/0!	1.25	#DIV/0!	-100.0%
PCB-153/168 22'44'55'-/23'44'	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-141 22'3455'-HxCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-130 22'33'45'-HxCB	0.82	#DIV/0!	0.82	#DIV/0!	-100.0%
PCB-137 22'344'5-HxCB	1.00	#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-164 233'4'5'6-HxCB	1.25	#DIV/0!	1.25	#DIV/0!	-100.0%
PCB-163/138/129 233'4'56'-/22'	1.00	#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-160 233'456-HxCB	1.17	#DIV/0!	1.17	#DIV/0!	-100.0%
PCB-158 233'44'6-HxCB	1.40	#DIV/0!	1.40	#DIV/0!	-100.0%
PCB-128/166 22'33'44'-/2344'5	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-159 233'455'-HxCB	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-162 233'4'55'-HxCB	1.13	#DIV/0!	1.13	#DIV/0!	-100.0%
PCB-188 22'34'566'-HpCB	1.08	#DIV/0!	1.08	#DIV/0!	-100.0%
PCB-179 22'33'566'-HpCB	0.99	#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-184 22'344'66'-HpCB	0.99	#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-176 22'33'466'-HpCB	1.08	#DIV/0!	1.08	#DIV/0!	-100.0%
PCB-186 22'34566'-HpCB	1.01	#DIV/0!	1.01	#DIV/0!	-100.0%
PCB-178 22'33'55'6-HpCB	0.79	#DIV/0!	0.79	#DIV/0!	-100.0%
PCB-175 22'33'45'6-HpCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-187 22'34'55'6-HpCB	1.02	#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-182 22'344'56'-HpCB	1.04	#DIV/0!	1.04	#DIV/0!	-100.0%
PCB-183 22'344'5'6-HpCB	1.01	#DIV/0!	1.01	#DIV/0!	-100.0%
PCB-185 22'3455'6-HpCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-174 22'33'456'-HpCB	0.86	#DIV/0!	0.86	#DIV/0!	-100.0%
PCB-177 22'33'4'56-HpCB	0.85	#DIV/0!	0.85	#DIV/0!	-100.0%
PCB-181 22'344'56-HpCB	1.02	#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-171/173 22'33'44'6-/22'3	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-172 22'33'455'-HpCB	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-192 233'455'6-HpCB	1.13	#DIV/0!	1.13	#DIV/0!	-100.0%
PCB-180/193 22'344'55'-/233'	1.08	#DIV/0!	1.08	#DIV/0!	-100.0%
PCB-191 233'44'5'6-HpCB	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-170 22'33'44'5-HpCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-190 233'44'56-HpCB	1.37	#DIV/0!	1.37	#DIV/0!	-100.0%
PCB-202 22'33'55'66'-OcCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-201 22'33'45'66'-OcCB	1.00	#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-204 22'344'566'-OcCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-197 22'33'44'66'-OcCB	1.03	#DIV/0!	1.03	#DIV/0!	-100.0%
PCB-200 22'33'4566'-OcCB	0.92	#DIV/0!	0.92	#DIV/0!	-100.0%
PCB-198/199 22'33'455'6-/22'	0.69	#DIV/0!	0.69	#DIV/0!	-100.0%
PCB-196 22'33'44'56'-OcCB	0.74	#DIV/0!	0.74	#DIV/0!	-100.0%
PCB-203 22'344'55'6-OcCB	0.75	#DIV/0!	0.75	#DIV/0!	-100.0%
PCB-195 22'33'44'56-OcCB	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-194 22'33'44'55'-OcCB	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-205 233'44'55'6-OcCB	1.18	#DIV/0!	1.18	#DIV/0!	-100.0%
PCB-208 22'33'455'66'-NoCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-207 22'33'44'566'-NoCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-206 22'33'44'55'6-NoCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%

Analytical Perspectives — Run Log

Project: 120126Sxx QC

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
3	120126S03	20	CS0_120126_PCB_SA	10.00	SIL 12-5-6	CTW	815-319	26-Jan-2012	16:11:34
4	120126S04	21	CS1_120126_PCB_SA	10.00	SIL 12-5-5	CTW	955-433	26-Jan-2012	17:04:43
5	120126S05	22	CS2_120126_PCB_SA	10.00	SIL 12-5-4	CTW	234-493	26-Jan-2012	17:59:45
6	120126S06	23	CS3_120126_PCB_SB	10.00	SIL 12-5-3	CTW	524-324	26-Jan-2012	18:54:44
7	120126S07	24	CS4_120126_PCB_SA	10.00	SIL 12-5-2	CTW	247-643	26-Jan-2012	19:49:48
8	120126S08	25	CS5_120126_PCB_SA	10.00	SIL 12-5-1	CTW	090-464	26-Jan-2012	20:44:52
9	120126S09	12	SBS_120126_PCB_SB	10.00	SIL 9-41-1	CTW	534-061	26-Jan-2012	21:52:48
10	120126S10	12	SBS_120126_PCB_SC	10.00	SIL 9-41-1	CTW	398-567	26-Jan-2012	22:45:51
11	120126S11	12	SBS_120126_PCB_SD	10.00	SIL 9-41-1	CTW	994-650	26-Jan-2012	23:40:57

REVIEWED**By cwood at 2:30 pm, Jan 30, 2012**

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:45		
Lab ID:	CS0_120126_PCB_SA				ICAL: MM4_PCB_01102012_26JAN12		
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.53	2.25E+05	0.68 Y	1.22	1.16	-5.7%	
PCB-81 344'5'-TeCB	30.05	2.14E+05	0.79 Y	1.24	1.15	-7.4%	
PCB-105 233'44'-PeCB	33.50	1.46E+05	0.65 Y	1.03	0.94	-8.4%	
PCB-114 2344'5'-PeCB	32.97	1.68E+05	0.66 Y	1.10	1.05	-4.2%	
PCB-118 23'44'5'-PeCB	32.52	1.58E+05	0.62 Y	1.03	0.97	-6.0%	
PCB-123 2'344'5'-PeCB	32.24	1.44E+05	0.59 Y	0.93	0.85	-8.3%	
PCB-126 33'44'5'-PeCB	36.13	1.97E+05	0.65 Y	1.11	1.13	1.8%	
PCB-156/157 233'44'5'/233'44'5'	38.68	2.98E+05	1.27 Y	1.05	0.99	-5.7%	
PCB-167 23'44'55'-HxCB	37.71	1.53E+05	1.17 Y	1.08	1.01	-7.0%	
PCB-169 33'44'55'-HxCB	41.41	1.56E+05	1.27 Y	1.04	1.00	-4.0%	
PCB-189 233'44'55'-HpCB	43.55	1.93E+05	1.10 Y	1.11	1.10	-0.5%	
PCB-209 DeCB	48.54	1.31E+05	1.11 Y	1.05	1.12	6.7%	
ES PCB-1	10.49	5.07E+07	3.18 Y	1.01	1.01	0.0%	
ES PCB-3	12.55	5.25E+07	3.21 Y	1.05	1.05	-0.3%	
ES PCB-4	12.77	3.51E+07	1.54 Y	0.70	0.70	0.5%	
ES PCB-15	18.11	5.95E+07	1.61 Y	1.17	1.19	1.5%	
ES PCB-19	15.61	2.87E+07	1.04 Y	0.57	0.57	1.2%	
ES PCB-37	24.24	4.43E+07	1.07 Y	1.41	1.42	0.8%	
ES PCB-54	18.36	3.99E+07	0.78 Y	1.32	1.28	-2.9%	
ES PCB-77	30.51	3.89E+07	0.79 Y	1.22	1.25	2.6%	
ES PCB-81	30.04	3.71E+07	0.80 Y	1.15	1.19	3.7%	
ES PCB-104	23.20	4.15E+07	1.58 Y	1.69	1.67	-1.0%	
ES PCB-105	33.48	3.11E+07	1.58 Y	1.21	1.25	3.9%	
ES PCB-114	32.94	3.20E+07	1.58 Y	1.23	1.29	4.5%	
ES PCB-118	32.49	3.24E+07	1.59 Y	1.25	1.30	4.8%	
ES PCB-123	32.22	3.41E+07	1.57 Y	1.33	1.37	3.4%	
ES PCB-126	36.10	3.48E+07	1.66 Y	1.36	1.40	3.3%	
ES PCB-153	34.09	2.89E+07	1.29 Y	1.09	1.09	0.2%	
ES PCB-155	28.10	3.61E+07	1.23 Y	1.40	1.36	-3.1%	
ES PCB-156/157	38.65	6.06E+07	1.28 Y	1.13	1.14	0.6%	
ES PCB-167	37.69	3.04E+07	1.26 Y	1.13	1.14	1.1%	
ES PCB-169	41.39	3.12E+07	1.26 Y	1.14	1.17	2.7%	
ES PCB-170	40.89	2.42E+07	1.04 Y	1.23	1.23	-0.2%	
ES PCB-180	39.84	2.86E+07	1.05 Y	1.46	1.45	-1.2%	
ES PCB-188	32.95	3.58E+07	1.05 Y	1.34	1.35	0.5%	
ES PCB-189	43.53	3.50E+07	1.06 Y	1.77	1.77	0.3%	
ES PCB-202	37.49	3.41E+07	0.89 Y	1.27	1.28	0.9%	
ES PCB-205	45.70	2.45E+07	0.91 Y	1.25	1.24	-0.6%	
ES PCB-206	47.17	2.09E+07	0.77 Y	1.07	1.06	-0.7%	
ES PCB-208	43.13	2.60E+07	0.78 Y	1.34	1.32	-1.4%	
ES PCB-209	48.52	2.33E+07	1.17 Y	1.18	1.18	-0.2%	

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:45		
Lab ID:	CS0_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	4.28E+07	1.07 Y	0.98	0.97	-1.5%	
SS PCB-111	30.57	3.03E+07	1.58 Y	0.90	0.89	-0.9%	
SS PCB-178	35.53	2.29E+07	1.09 Y	0.65	0.64	-1.0%	
CS PCB-28	20.78	4.28E+07	1.07 Y	1.39	1.38	-0.6%	
CS PCB-111	30.57	3.03E+07	1.58 Y	1.19	1.22	2.5%	
CS PCB-178	35.53	2.29E+07	1.09 Y	0.87	0.86	-0.6%	
JS PCB-9	14.60	5.00E+07	1.61 Y	-	-	-	
JS PCB-52	22.37	3.11E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	2.48E+07	1.60 Y	-	-	-	
JS PCB-138	35.13	2.66E+07	1.24 Y	-	-	-	
JS PCB-194	45.30	1.97E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.50	3.01E+05	3.10 Y	1.20	1.19	-1.0%	
PCB-3 4-MoCB	12.56	2.92E+05	2.84 Y	1.13	1.11	-1.6%	
PCB-4 22'-DiCB	12.78	1.64E+05	0.00 S	0.94	0.94	-1.0%	
PCB-15 44'-DiCB	18.13	2.91E+05	0.00 S	1.01	0.98	-3.0%	
PCB-19 22'6'-TrCB	15.63	1.38E+05	1.01 Y	1.01	0.96	-4.8%	
PCB-37 344'-TrCB	24.26	2.57E+05	1.07 Y	1.20	1.16	-3.3%	
PCB-54 22'66'-TeCB	18.38	1.76E+05	0.80 Y	0.93	0.88	-5.6%	
PCB-104 22'466'-PeCB	23.22	1.89E+05	0.65 Y	0.92	0.91	-0.5%	
PCB-153 22'44'55' -HxCB	34.14	3.20E+05	1.12 Y	1.15	1.11	-3.6%	
PCB-155 22'44'66'-HxCB	28.12	1.89E+05	1.11 Y	1.06	1.04	-1.1%	
PCB-170 22'33'44'5'-HpCB	40.91	1.10E+05	1.00 Y	1.00	0.91	-8.9%	
PCB-180 22'344'55'-HpCB	39.83	2.76E+05	1.16 Y	1.01	0.97	-4.5%	
PCB-188 22'34'566'-HpCB	32.97	1.86E+05	1.00 Y	1.07	1.04	-2.2%	
PCB-202 22'33'55'66'-OcCB	37.51	1.47E+05	0.83 Y	0.83	0.86	4.3%	
PCB-205 233'44'55'6'-OcCB	45.72	1.30E+05	0.86 Y	1.09	1.06	-2.6%	
PCB-208 22'33'455'66'-NoCB	43.15	1.24E+05	0.75 Y	0.98	0.95	-2.2%	
PCB-206 22'33'44'55'6'-NoCB	47.19	9.35E+04	0.76 Y	0.93	0.89	-4.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	3.01E+05	3.10 Y	1.20	1.19	-1.0%	
PCB-2 3-MoCB	12.39	2.82E+05	3.24 Y	1.13	1.08	-4.9%	
PCB-3 4-MoCB	12.56	2.92E+05	2.84 Y	1.13	1.11	-1.6%	
PCB-4 22'-DiCB	12.78	1.64E+05	0.00 S	0.94	0.94	-1.0%	
PCB-10 26-DiCB	12.95	2.54E+05	0.00 S	1.43	1.45	1.2%	
PCB-9 25-DiCB	14.62	2.55E+05	0.00 S	0.87	0.86	-1.4%	
PCB-7 24-DiCB	14.77	2.81E+05	0.00 S	1.00	0.94	-6.1%	
PCB-6 23'-DiCB	14.98	2.71E+05	0.00 S	0.94	0.91	-2.8%	
PCB-5 23-DiCB	15.25	2.37E+05	0.00 S	0.92	0.79	-13.7%	
PCB-8 24'-DiCB	15.37	2.67E+05	0.00 S	0.95	0.90	-5.3%	
PCB-14 35-DiCB	16.85	3.09E+05	0.00 S	1.09	1.04	-5.0%	
PCB-11 33'-DiCB	17.58	3.05E+05	0.00 S	0.98	1.02	4.9%	
PCB-13/12 34'-/34-DiCB	17.85	5.80E+05	0.00 S	0.97	0.98	0.6%	
PCB-15 44'-DiCB	18.13	2.91E+05	0.00 S	1.01	0.98	-3.0%	
PCB-19 22'6-TrCB	15.63	1.38E+05	1.01 Y	1.01	0.96	-4.8%	
PCB-30/18 246-/22'5-TrCB	17.31	3.47E+05	0.94 Y	1.29	1.21	-6.6%	
PCB-17 22'4-TrCB	17.69	1.61E+05	1.12 Y	1.14	1.12	-1.7%	
PCB-27 23'6-TrCB	17.87	2.03E+05	1.02 Y	1.48	1.41	-4.9%	
PCB-24 236-TrCB	17.99	1.97E+05	1.14 Y	1.43	1.37	-4.1%	
PCB-16 22'3-TrCB	18.08	1.25E+05	1.07 Y	0.89	0.87	-2.8%	
PCB-32 24'6-TrCB	18.54	2.15E+05	1.05 Y	1.56	1.49	-4.2%	
PCB-34 2'35-TrCB	19.67	2.53E+05	1.07 Y	1.18	1.14	-3.0%	
PCB-23 235-TrCB	19.81	2.52E+05	1.08 Y	1.19	1.14	-4.1%	
PCB-26/29 23'5-/245-TrCB	20.08	5.01E+05	1.07 Y	1.20	1.13	-5.8%	
PCB-25 23'4-TrCB	20.27	2.41E+05	1.05 Y	1.19	1.09	-8.7%	
PCB-31 24'5-TrCB	20.54	2.58E+05	1.04 Y	1.23	1.17	-4.9%	
PCB-28/20 244'-/233'-TrCB	20.81	5.05E+05	0.99 Y	1.18	1.14	-3.3%	
PCB-21/33 234-/2'34-TrCB	20.98	5.27E+05	1.01 Y	1.21	1.19	-2.0%	
PCB-22 234'-TrCB	21.34	2.30E+05	1.05 Y	1.11	1.04	-7.0%	
PCB-36 33'5-TrCB	22.71	2.48E+05	1.02 Y	1.21	1.12	-7.5%	
PCB-39 34'5-TrCB	23.02	2.95E+05	1.03 Y	1.32	1.33	1.1%	
PCB-38 345-TrCB	23.53	2.45E+05	0.95 Y	1.15	1.11	-4.2%	
PCB-35 33'4-TrCB	23.91	2.43E+05	0.96 Y	1.13	1.10	-3.3%	
PCB-37 344'-TrCB	24.26	2.57E+05	1.07 Y	1.20	1.16	-3.3%	
PCB-54 22'66'-TeCB	18.38	1.76E+05	0.80 Y	0.93	0.88	-5.6%	
PCB-50/53 22'46-/22'56'TeCB	20.31	2.75E+05	0.78 Y	0.83	0.74	-11.1%	
PCB-45 22'36'-TeCB	20.86	1.18E+05	0.72 Y	0.71	0.64	-9.7%	
PCB-51 22'46'-TeCB	20.94	1.46E+05	0.83 Y	0.88	0.79	-10.3%	
PCB-46 22'36'-TeCB	21.14	1.16E+05	0.76 Y	0.69	0.62	-10.1%	
PCB-52 22'55'-TeCB	22.39	1.34E+05	0.81 Y	0.80	0.72	-10.3%	
PCB-73 23'5'6TeCB	22.52	1.76E+05	0.77 Y	1.03	0.95	-8.1%	
PCB-43 22'35'-TeCB	22.60	1.21E+05	0.86 Y	0.71	0.65	-7.5%	
PCB-69/49 23'46-/22'45'TeCB	22.80	3.28E+05	0.73 Y	0.96	0.88	-7.9%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.07	1.42E+05	0.84 Y	0.84	0.77	-8.3%	
PCB-44/47/65 22'35'-/22'44'-	23.28	4.37E+05	0.74 Y	0.86	0.78	-8.7%	
PCB-59/62/75 233'6'-/2346-/24	23.55	5.57E+05	0.77 Y	1.09	1.00	-8.5%	
PCB-42 22'34'-TeCB	23.70	1.32E+05	0.84 Y	0.77	0.71	-6.9%	
PCB-41 22'34'-TeCB	24.02	1.16E+05	0.73 Y	0.73	0.62	-14.0%	
PCB-71/40 23'4'6'/22'33'-TeCB	24.12	2.68E+05	0.83 Y	0.81	0.72	-11.3%	
PCB-64 234'6'-TeCB	24.32	2.04E+05	0.75 Y	1.17	1.10	-5.7%	
PCB-72 23'55'-TeCB	25.06	2.14E+05	0.85 Y	1.25	1.15	-7.9%	
PCB-68 23'45'-TeCB	25.31	2.38E+05	0.89 Y	1.36	1.28	-6.0%	
PCB-57 233'5'-TeCB	25.66	2.15E+05	0.83 Y	1.22	1.16	-5.4%	
PCB-58 233'5'-TeCB	25.86	2.38E+05	0.81 Y	1.26	1.28	2.1%	
PCB-67 23'45'-TeCB	26.01	2.21E+05	0.79 Y	1.27	1.19	-6.5%	
PCB-63 234'5'-TeCB	26.24	2.27E+05	0.85 Y	1.34	1.22	-8.4%	
PCB-61/70/74/76 2345-/23'4'5	26.52	8.58E+05	0.77 Y	1.24	1.15	-7.1%	
PCB-66 23'44'-TeCB	26.80	1.98E+05	0.69 Y	1.19	1.07	-10.2%	
PCB-55 233'4'-TeCB	26.93	2.24E+05	0.77 Y	1.22	1.20	-1.1%	
PCB-56 233'4'-TeCB	27.36	2.07E+05	0.78 Y	1.18	1.12	-5.3%	
PCB-60 2344'-TeCB	27.55	2.22E+05	0.70 Y	1.24	1.20	-3.3%	
PCB-80 33'55'-TeCB	27.92	2.38E+05	0.85 Y	1.37	1.28	-6.8%	
PCB-79 33'45'-TeCB	29.21	2.40E+05	0.84 Y	1.37	1.29	-5.4%	
PCB-78 33'45'-TeCB	29.68	2.20E+05	0.71 Y	1.19	1.18	-0.8%	
PCB-104 22'466'-PeCB	23.22	1.89E+05	0.65 Y	0.92	0.91	-0.5%	
PCB-96 22'366'-PeCB	23.52	1.67E+05	0.62 Y	0.81	0.81	-0.4%	
PCB-103 22'45'6'-PeCB	25.21	1.17E+05	0.65 Y	0.78	0.68	-11.7%	
PCB-94 22'356'-PeCB	25.39	1.17E+05	0.63 Y	0.71	0.69	-3.8%	
PCB-95 22'35'6'-PeCB	25.76	1.22E+05	0.69 Y	0.74	0.72	-3.4%	
PCB-100/93 22'44'6'-/22'356-P	25.97	2.32E+05	0.62 Y	0.75	0.68	-8.8%	
PCB-102 22'456'-PeCB	26.08	1.13E+05	0.61 Y	0.75	0.66	-11.3%	
PCB-98 22'3'46'-PeCB	26.14	1.15E+05	0.62 Y	0.71	0.68	-4.9%	
PCB-88 22'346'-PeCB	26.43	1.06E+05	0.55 Y	0.66	0.63	-5.9%	
PCB-91 22'34'6'-PeCB	26.50	1.32E+05	0.55 Y	0.84	0.78	-7.5%	
PCB-84 22'33'6'-PeCB	26.68	1.07E+05	0.60 Y	0.65	0.63	-3.2%	
PCB-89 22'346'-PeCB	27.10	1.07E+05	0.63 Y	0.69	0.63	-8.7%	
PCB-121 23'45'6'-PeCB	27.49	1.58E+05	0.59 Y	0.98	0.93	-5.6%	
PCB-92 22'355'-PeCB	27.79	1.17E+05	0.53 Y	0.72	0.68	-4.4%	
PCB-113/90/101 233'5'6'-/22'3	28.27	3.83E+05	0.59 Y	0.81	0.75	-7.3%	
PCB-83 22'33'5'-PeCB	28.69	9.64E+04	0.71 N	0.62	0.57	-9.1%	
PCB-99 22'44'5'-PeCB	28.79	1.14E+05	0.63 Y	0.76	0.67	-12.5%	
PCB-112 233'56'-PeCB	28.89	1.50E+05	0.61 Y	0.96	0.88	-8.3%	
PCB-108/119/86/97/125/87 233	29.22	7.81E+05	0.62 Y	0.83	0.76	-7.4%	
PCB-117 234'56'-PeCB	29.75	1.47E+05	0.63 Y	0.94	0.86	-8.4%	
PCB-116/85 23456-/22'344'-Pe	29.83	2.59E+05	0.60 Y	0.81	0.76	-6.1%	
PCB-110 233'4'6'-PeCB	29.96	1.47E+05	0.62 Y	0.92	0.86	-6.2%	

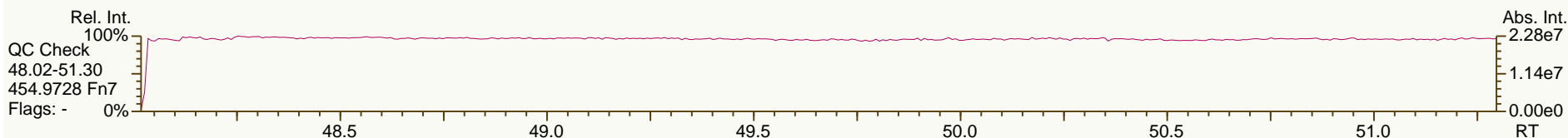
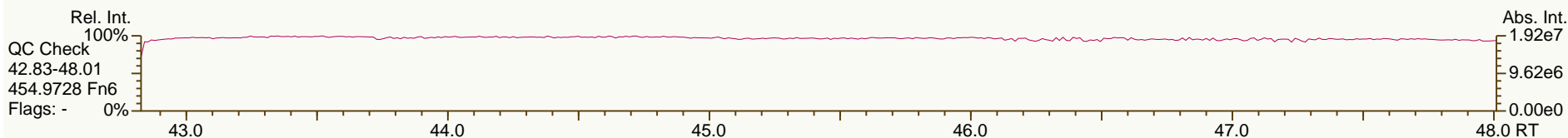
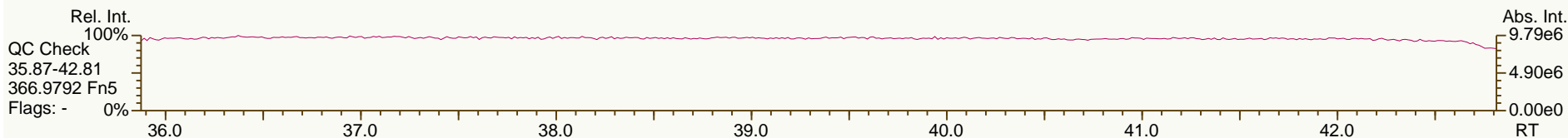
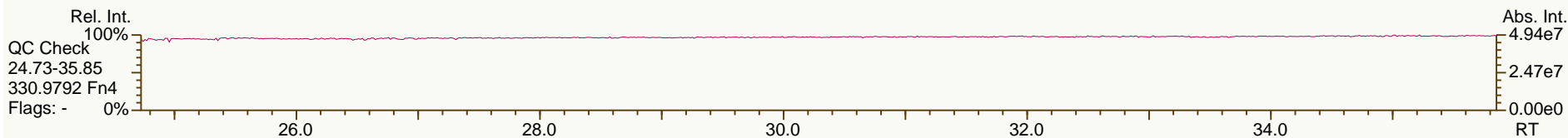
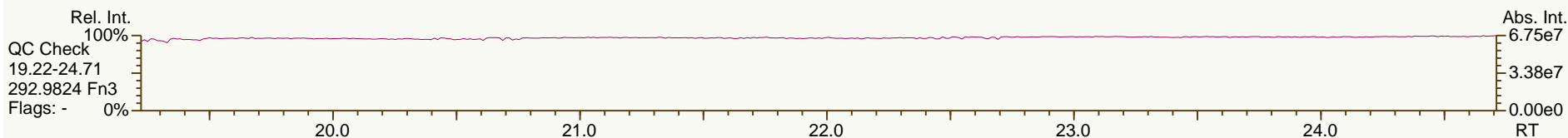
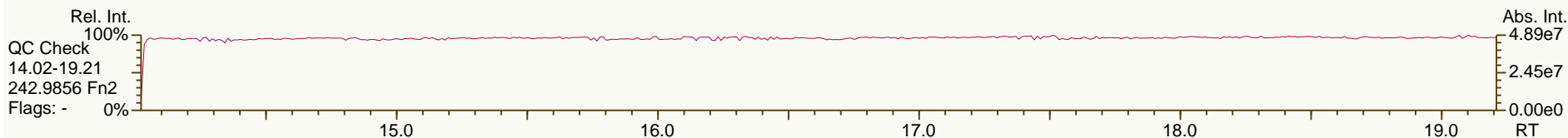
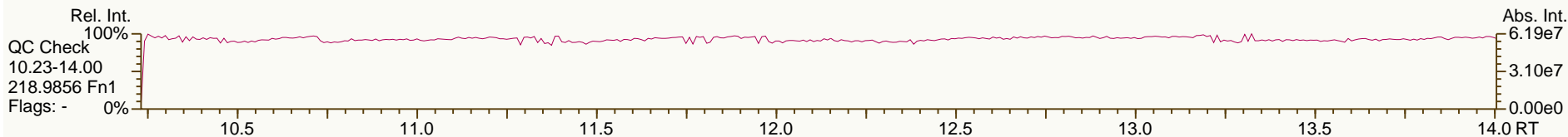
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	30.04	1.55E+05	0.60 Y	0.95	0.91	-3.7%	
PCB-82 22'33'4'-PeCB	30.23	9.49E+04	0.63 Y	0.62	0.56	-9.5%	
PCB-111 233'55'-PeCB	30.59	1.61E+05	0.64 Y	0.98	0.95	-4.0%	
PCB-120 23'455'-PeCB	30.98	1.55E+05	0.63 Y	0.99	0.91	-8.1%	
PCB-107/124 233'4'5'-/2'3455'	31.93	3.09E+05	0.61 Y	0.92	0.91	-1.4%	
PCB-109 233'46'-PeCB	32.14	1.52E+05	0.56 Y	1.00	0.90	-10.0%	
PCB-106 233'45'-PeCB	32.34	1.61E+05	0.62 Y	0.96	0.94	-2.0%	
PCB-122 2'33'45'-PeCB	32.80	1.34E+05	0.52 N	0.93	0.84	-9.5%	
PCB-127 33'455'-PeCB	34.77	1.54E+05	0.59 Y	1.04	0.99	-5.0%	
PCB-155 22'44'66'-HxCB	28.12	1.89E+05	1.11 Y	1.06	1.04	-1.1%	
PCB-152 22'3566'-HxCB	28.25	1.69E+05	1.22 Y	0.98	0.93	-4.8%	
PCB-150 22'34'66'-HxCB	28.41	1.72E+05	1.27 Y	0.99	0.95	-3.7%	
PCB-136 22'33'66'-HxCB	28.69	1.61E+05	1.20 Y	0.92	0.89	-3.1%	
PCB-145 22'3466'HxCB	28.96	1.68E+05	1.16 Y	0.94	0.93	-1.1%	
PCB-148 22'34'56'-HxCB	30.27	1.34E+05	1.15 Y	0.95	0.93	-2.2%	
PCB-151/135 22'355'6'-/22'33'	30.77	2.49E+05	1.43 Y	0.92	0.86	-6.1%	
PCB-154 22'44'5'6'-HxCB	30.99	1.34E+05	1.06 Y	1.01	0.93	-8.5%	
PCB-144 22'345'6'-HxCB	31.24	1.14E+05	1.23 Y	0.93	0.79	-15.0%	
PCB-147/149 22'34'56'-/22'34'	31.54	2.45E+05	1.36 Y	0.94	0.85	-9.5%	
PCB-134 22'33'56'-HxCB	31.71	1.08E+05	1.40 Y	0.78	0.75	-4.3%	
PCB-143 22'3456'-HxCB	31.78	1.25E+05	1.23 Y	0.90	0.86	-3.8%	
PCB-139/140 22'344'6'-/22'344'	32.05	2.57E+05	1.24 Y	0.95	0.89	-6.5%	
PCB-131 22'33'46'-HxCB	32.22	1.14E+05	1.32 Y	0.84	0.79	-5.8%	
PCB-142 22'3456'-HxCB	32.35	1.28E+05	1.35 Y	0.87	0.89	1.8%	
PCB-132 22'33'46'-HxCB	32.59	1.29E+05	1.25 Y	0.88	0.89	1.8%	
PCB-133 22'33'55'-HxCB	33.04	1.29E+05	1.43 Y	0.89	0.89	0.3%	
PCB-165 233'55'6'-HxCB	33.38	1.47E+05	1.20 Y	1.06	1.02	-4.2%	
PCB-146 22'34'55'-HxCB	33.59	1.28E+05	1.38 Y	0.94	0.88	-6.5%	
PCB-161 233'45'6'-HxCB	33.71	1.68E+05	1.16 Y	1.20	1.16	-3.1%	
PCB-153/168 22'44'55'-/23'44'	34.14	3.20E+05	1.12 Y	1.15	1.11	-3.6%	
PCB-141 22'3455'-HxCB	34.27	1.27E+05	1.18 Y	0.91	0.88	-3.6%	
PCB-130 22'33'45'-HxCB	34.61	1.15E+05	1.13 Y	0.82	0.80	-2.9%	
PCB-137 22'344'5'-HxCB	34.81	1.48E+05	1.20 Y	1.00	1.02	1.9%	
PCB-164 233'4'5'6'-HxCB	34.89	1.44E+05	1.14 Y	1.14	0.99	-12.6%	
PCB-163/138/129 233'4'56'-/22'	35.17	4.04E+05	1.20 Y	0.98	0.93	-5.4%	
PCB-160 233'456'-HxCB	35.30	1.60E+05	1.33 Y	1.14	1.10	-3.3%	
PCB-158 233'44'6'-HxCB	35.49	1.73E+05	1.37 Y	1.24	1.20	-3.9%	
PCB-128/166 22'33'44'-/2344'5	36.21	2.39E+05	1.21 Y	0.86	0.79	-9.0%	
PCB-159 233'455'-HxCB	37.07	1.48E+05	1.25 Y	1.03	0.97	-5.2%	
PCB-162 233'4'55'-HxCB	37.31	1.47E+05	1.32 Y	1.04	0.97	-6.6%	
PCB-188 22'34'566'-HpCB	32.97	1.86E+05	1.00 Y	1.07	1.04	-2.2%	
PCB-179 22'33'566'-HpCB	33.24	1.54E+05	1.16 Y	0.98	0.86	-12.0%	
PCB-184 22'344'66'-HpCB	33.71	1.76E+05	0.98 Y	0.97	0.98	1.1%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:45		
Lab ID:	CS0_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	1.72E+05	1.15 Y	1.06	0.96	-9.7%	
PCB-186 22'34566'-HpCB	34.37	1.75E+05	0.98 Y	1.02	0.98	-3.9%	
PCB-178 22'33'55'6'-HpCB	35.55	1.33E+05	1.11 Y	0.77	0.74	-3.9%	
PCB-175 22'33'45'6'-HpCB	36.09	1.28E+05	1.14 Y	0.89	0.90	0.3%	
PCB-187 22'34'55'6'-HpCB	36.32	1.36E+05	1.10 Y	0.94	0.95	1.8%	
PCB-182 22'344'56'-HpCB	36.50	1.29E+05	1.05 Y	0.95	0.90	-5.1%	
PCB-183 22'344'5'6'-HpCB	36.84	1.28E+05	1.14 Y	0.96	0.90	-6.4%	
PCB-185 22'3455'6'-HpCB	36.91	1.36E+05	1.09 Y	0.93	0.95	2.7%	
PCB-174 22'33'456'-HpCB	37.02	1.02E+05	1.19 Y	0.80	0.71	-10.8%	
PCB-177 22'33'4'56'-HpCB	37.39	1.11E+05	1.14 Y	0.82	0.78	-4.5%	
PCB-181 22'344'56'-HpCB	37.74	1.20E+05	1.01 Y	0.91	0.84	-8.3%	
PCB-171/173 22'33'44'6'-/22'3	37.92	2.10E+05	1.13 Y	0.81	0.73	-9.7%	
PCB-172 22'33'455'-HpCB	39.31	1.10E+05	1.18 Y	0.83	0.77	-6.8%	
PCB-192 233'455'6'-HpCB	39.55	1.55E+05	1.19 Y	1.09	1.09	-0.6%	
PCB-180/193 22'344'55'-/233'	39.83	2.76E+05	1.16 Y	1.01	0.97	-4.5%	
PCB-191 233'44'5'6'-HpCB	40.15	1.63E+05	1.12 Y	1.13	1.14	0.7%	
PCB-170 22'33'44'5'-HpCB	40.91	1.10E+05	1.00 Y	1.00	0.91	-8.9%	
PCB-190 233'44'56'-HpCB	41.36	1.64E+05	1.00 Y	1.35	1.36	0.1%	
PCB-202 22'33'55'66'-OcCB	37.51	1.47E+05	0.83 Y	0.83	0.86	4.3%	
PCB-201 22'33'45'66'-OcCB	38.30	1.53E+05	0.88 Y	0.93	0.90	-3.0%	
PCB-204 22'344'566'-OcCB	38.87	1.54E+05	0.81 Y	0.89	0.91	1.7%	
PCB-197 22'33'44'66'-OcCB	39.06	1.42E+05	0.75 N	0.91	0.83	-8.6%	
PCB-200 22'33'4566'-OcCB	39.14	1.57E+05	0.88 Y	0.93	0.92	-0.9%	
PCB-198/199 22'33'455'6'-/22'	41.49	2.32E+05	0.91 Y	0.68	0.68	-0.3%	
PCB-196 22'33'44'56'-OcCB	42.07	1.20E+05	0.98 Y	0.72	0.70	-2.1%	
PCB-203 22'344'55'6'-OcCB	42.24	1.24E+05	0.95 Y	0.74	0.73	-1.5%	
PCB-195 22'33'44'56'-OcCB	43.34	9.61E+04	0.87 Y	0.81	0.78	-3.3%	
PCB-194 22'33'44'55'-OcCB	45.32	9.59E+04	0.94 Y	0.86	0.78	-8.7%	
PCB-205 233'44'55'6'-OcCB	45.72	1.30E+05	0.86 Y	1.09	1.06	-2.6%	
PCB-208 22'33'455'66'-NoCB	43.15	1.24E+05	0.75 Y	0.98	0.95	-2.2%	
PCB-207 22'33'44'566'-NoCB	43.94	1.27E+05	0.74 Y	1.02	0.97	-4.3%	
PCB-206 22'33'44'55'6'-NoCB	47.19	9.35E+04	0.76 Y	0.93	0.89	-4.3%	

AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

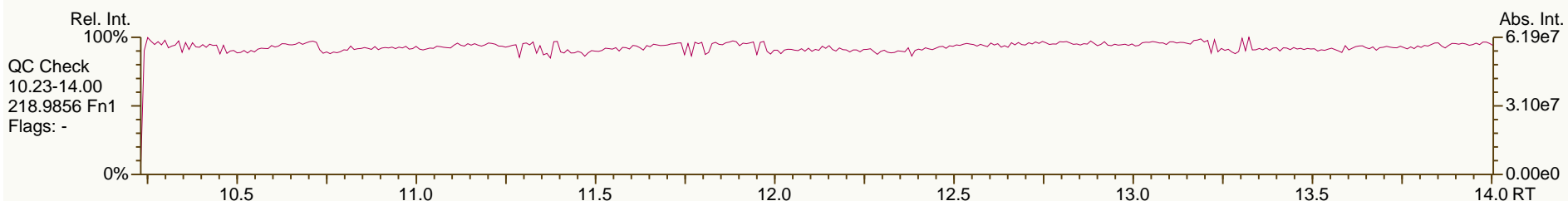
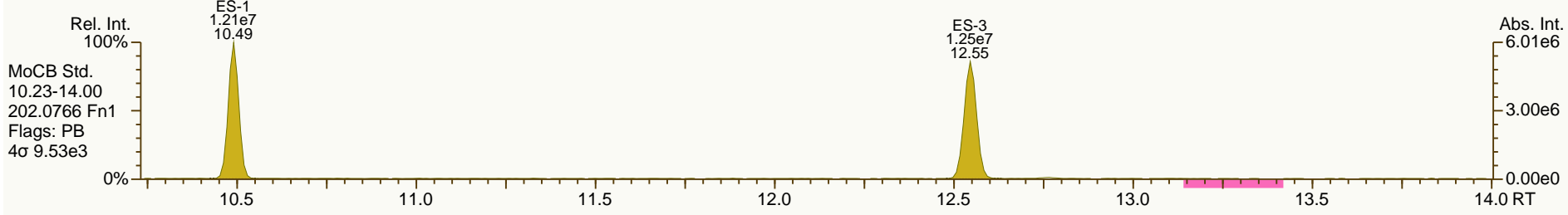
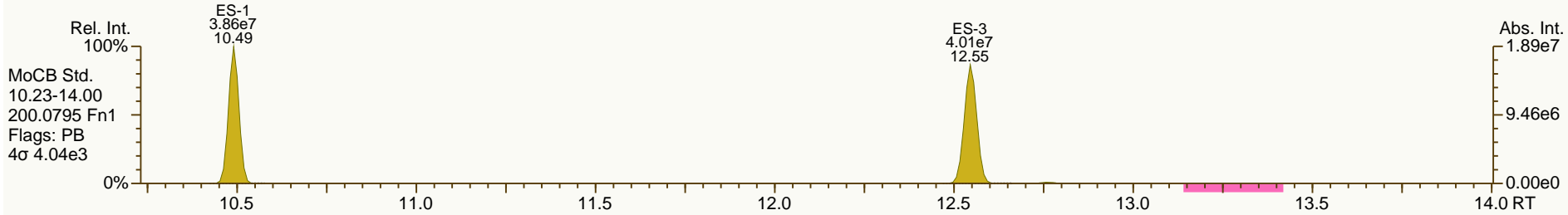
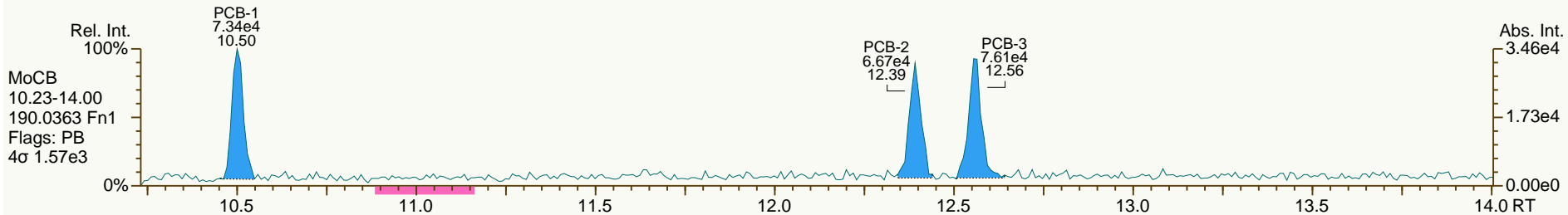
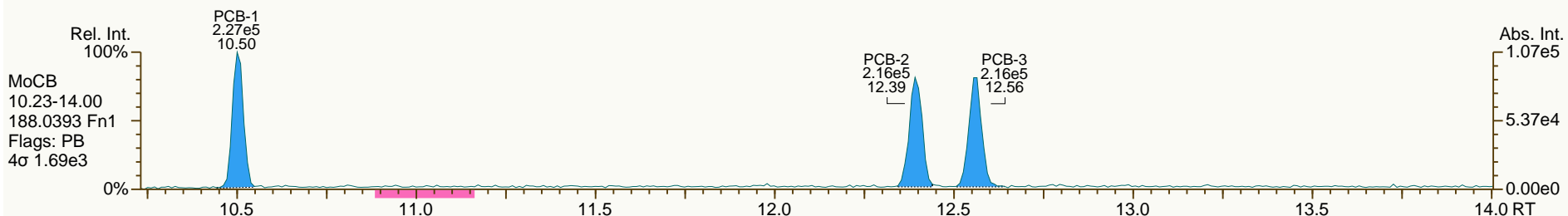
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

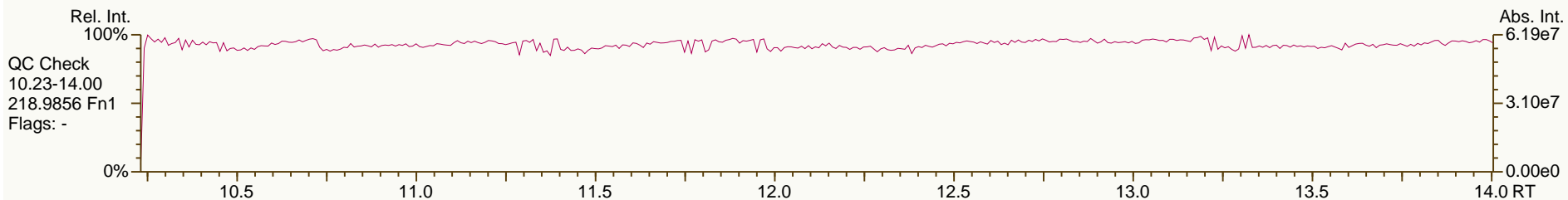
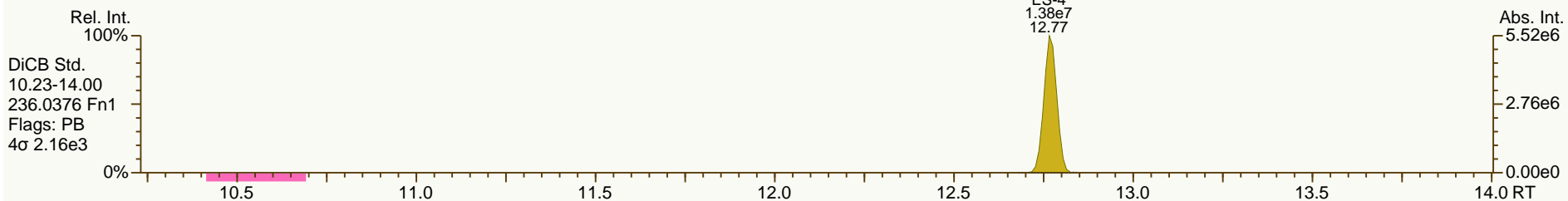
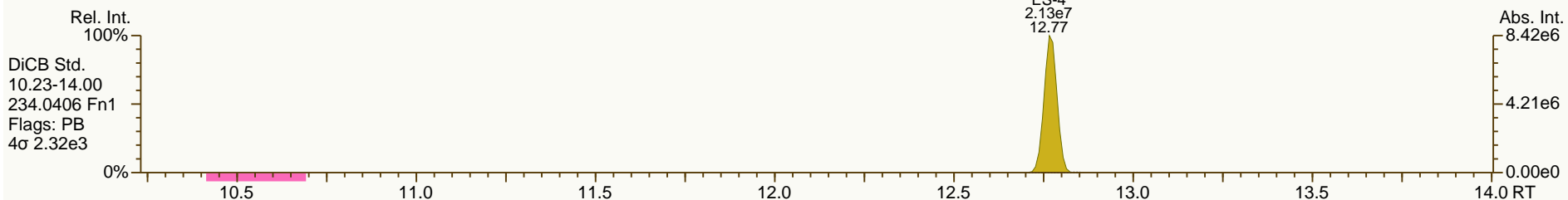
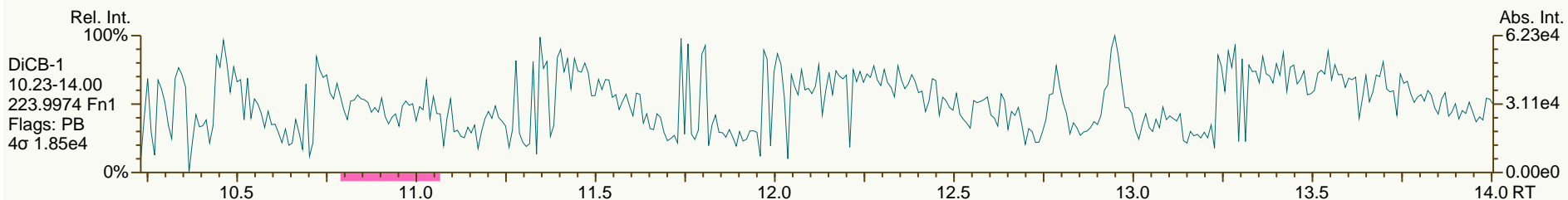
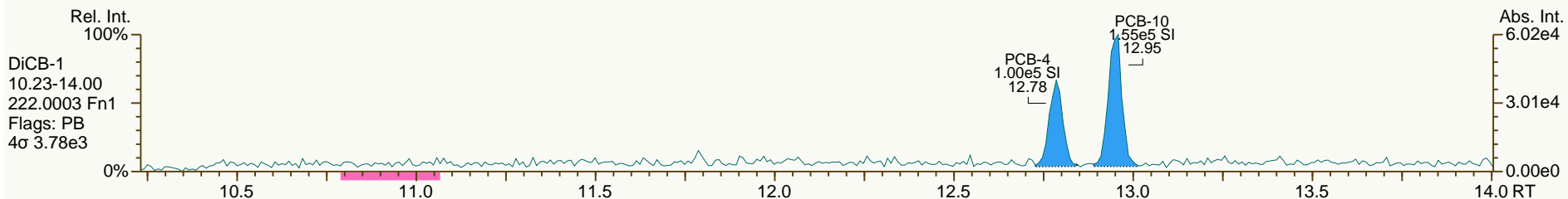
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

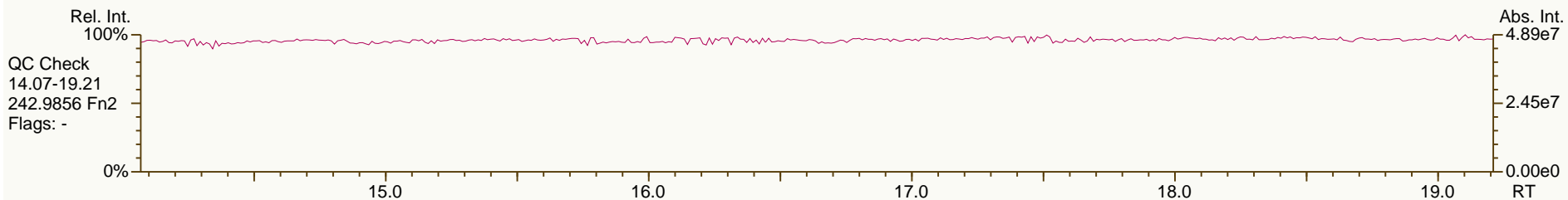
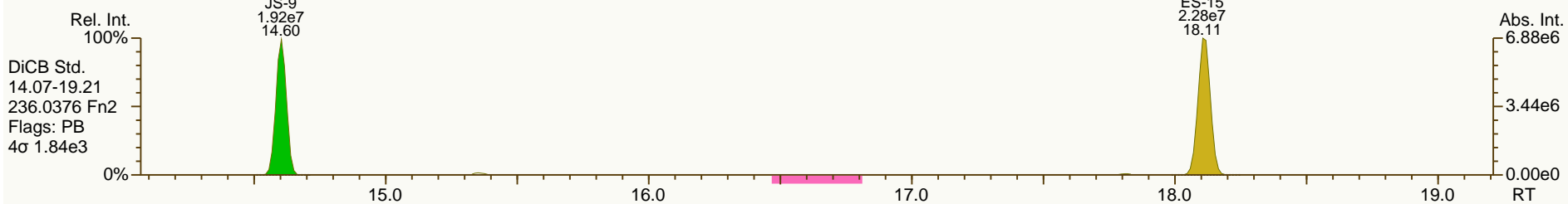
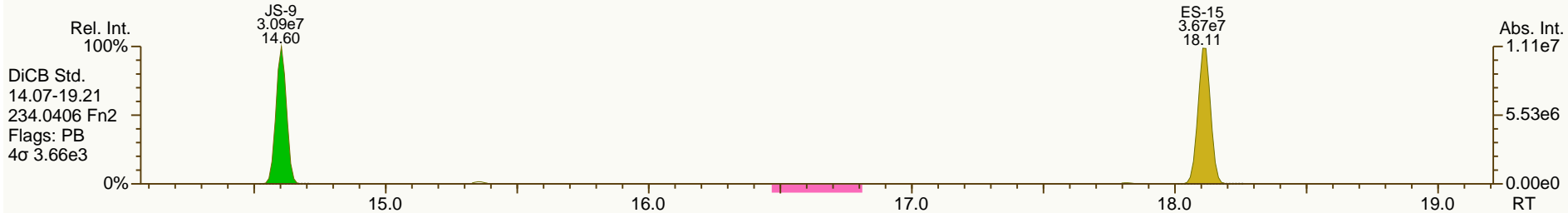
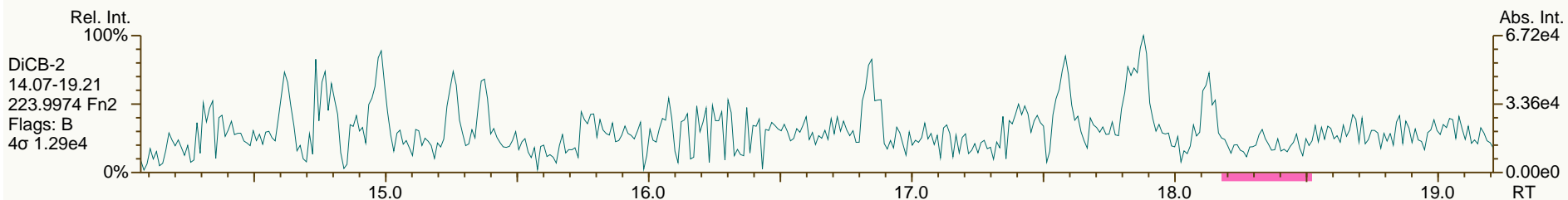
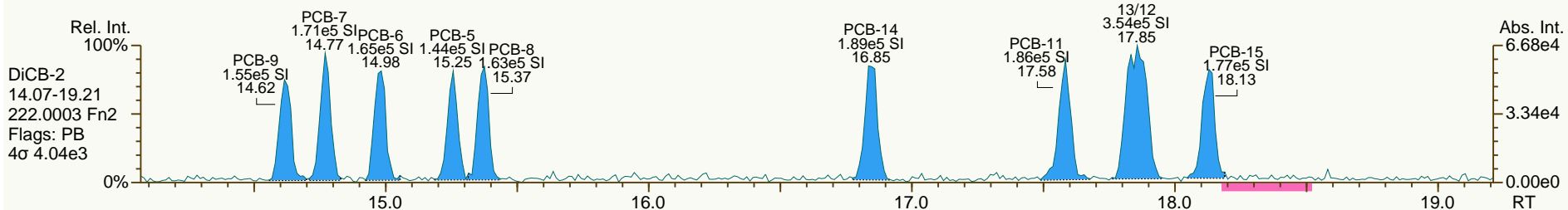
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

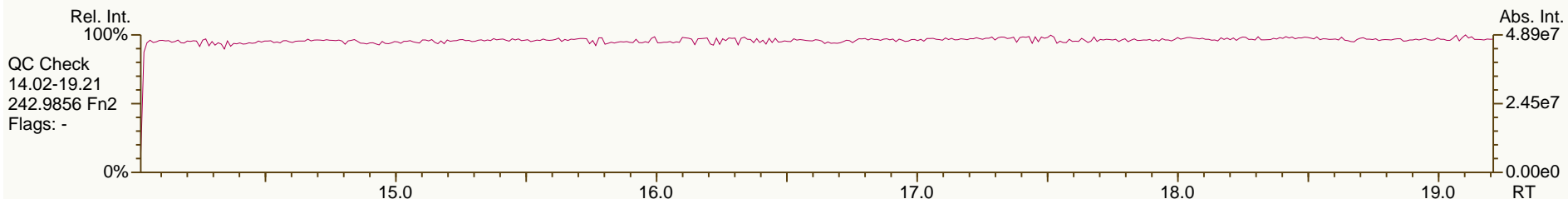
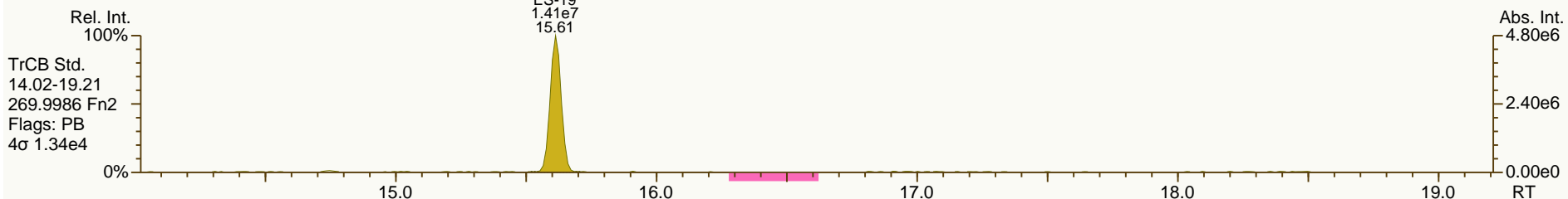
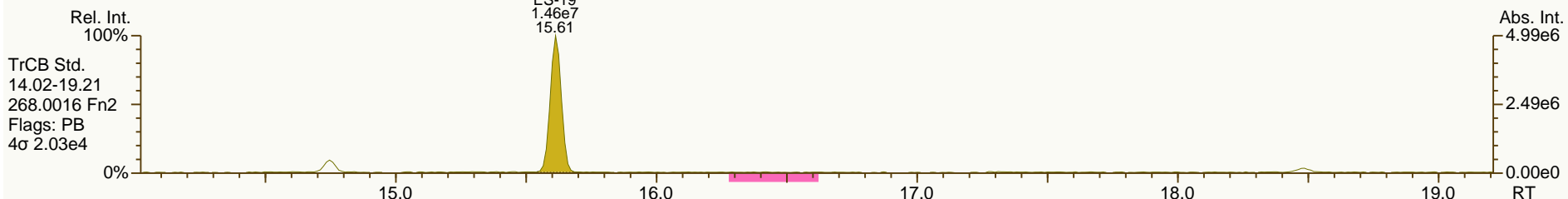
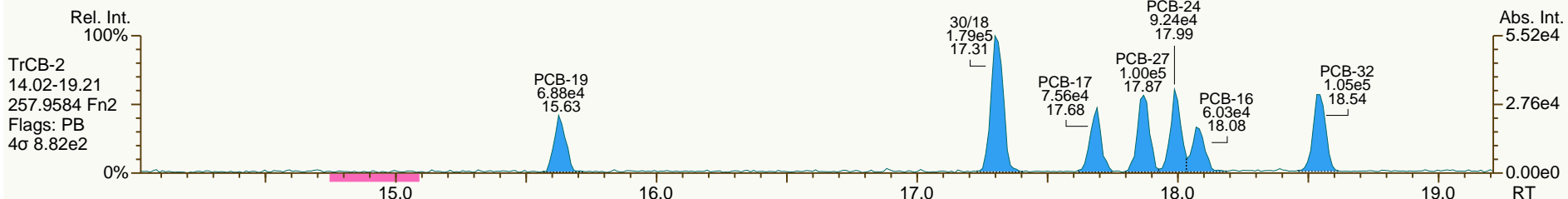
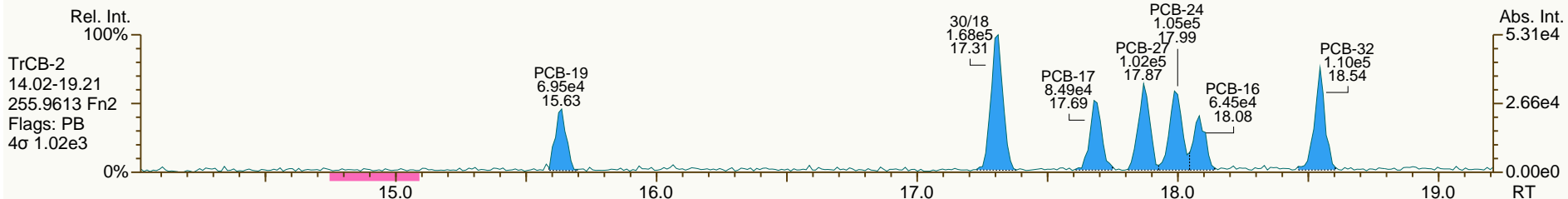
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

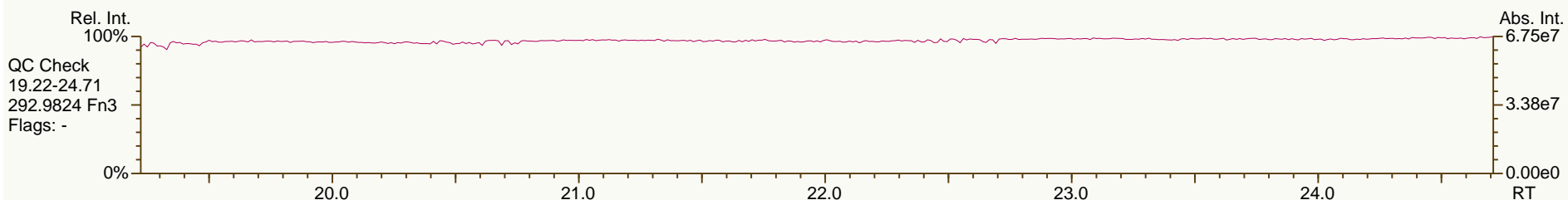
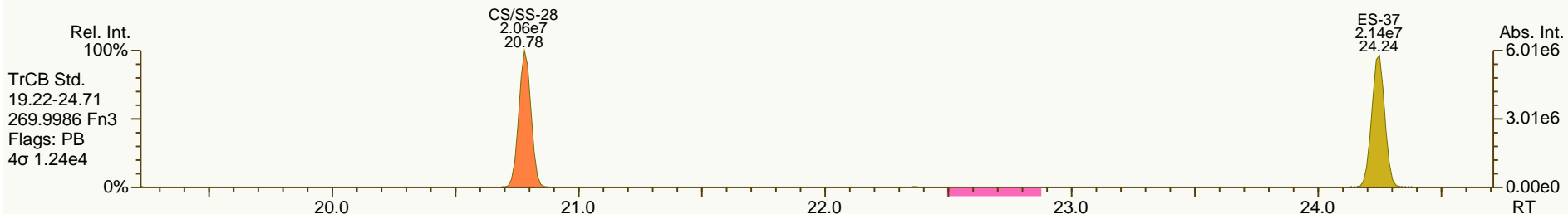
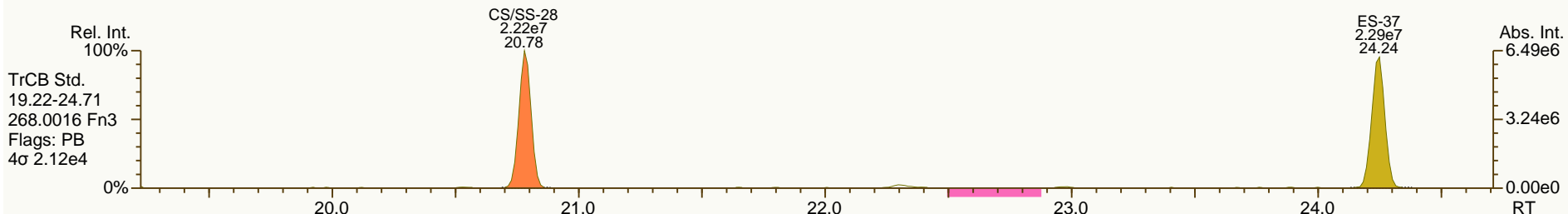
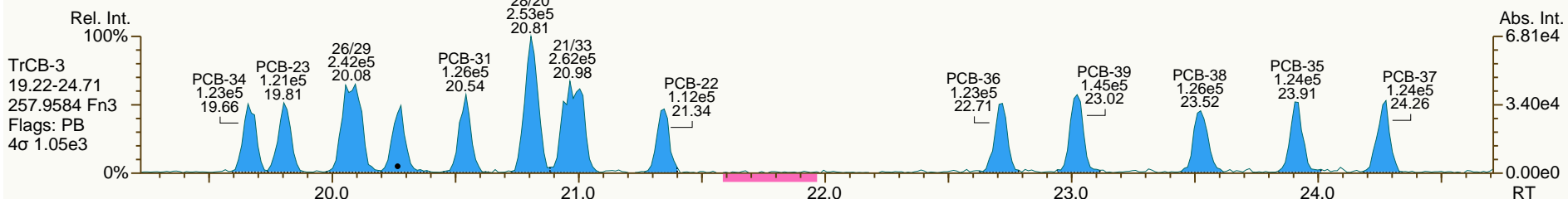
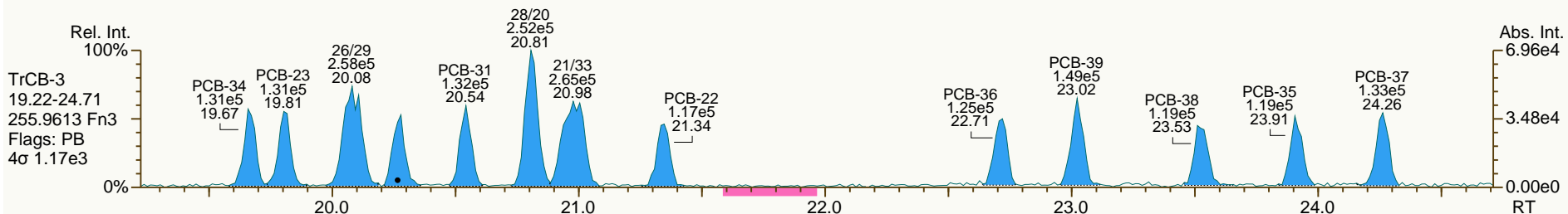
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

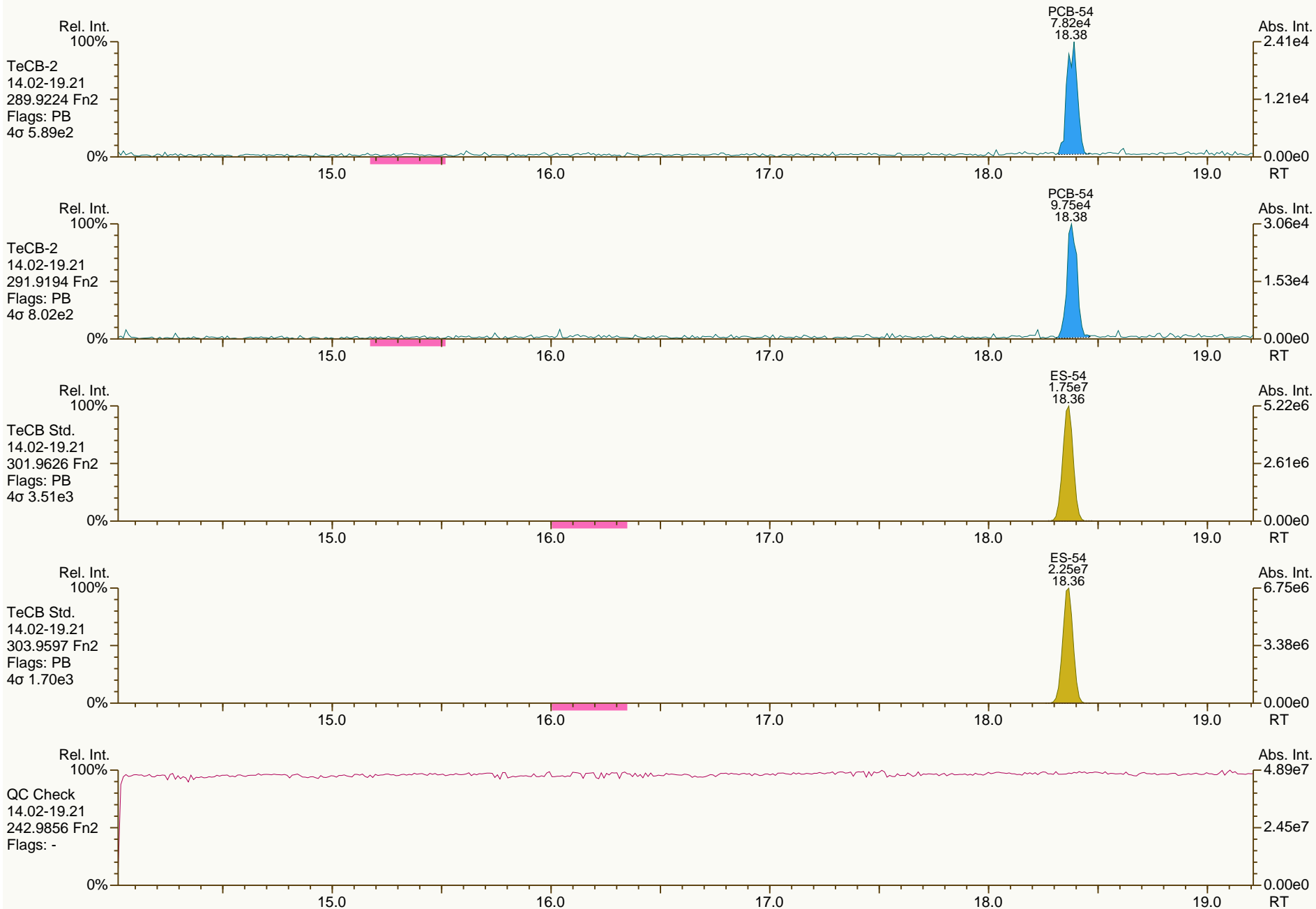
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

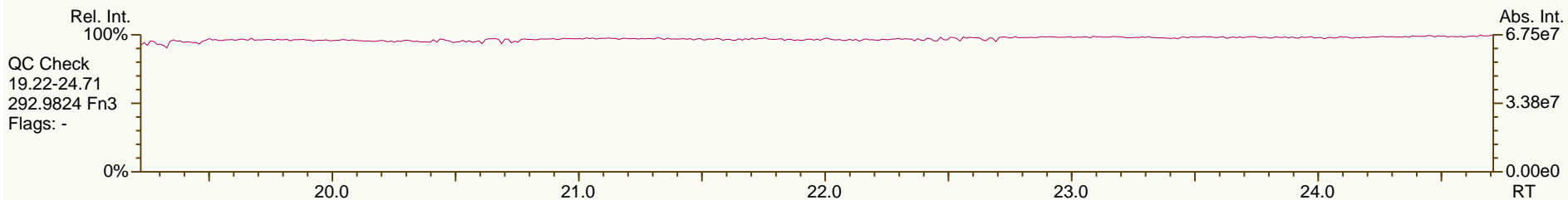
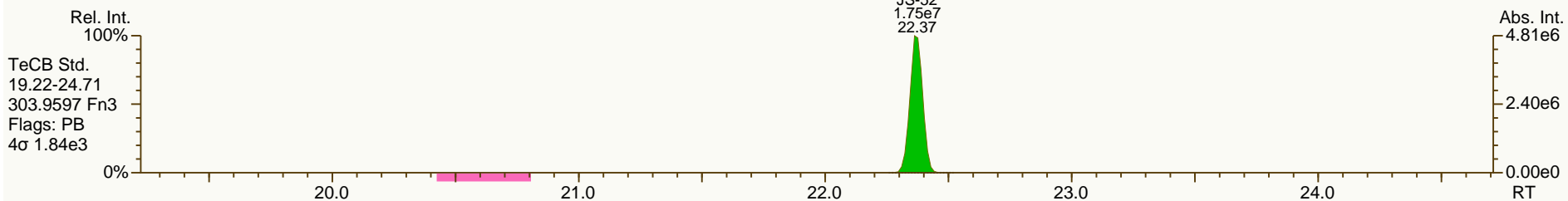
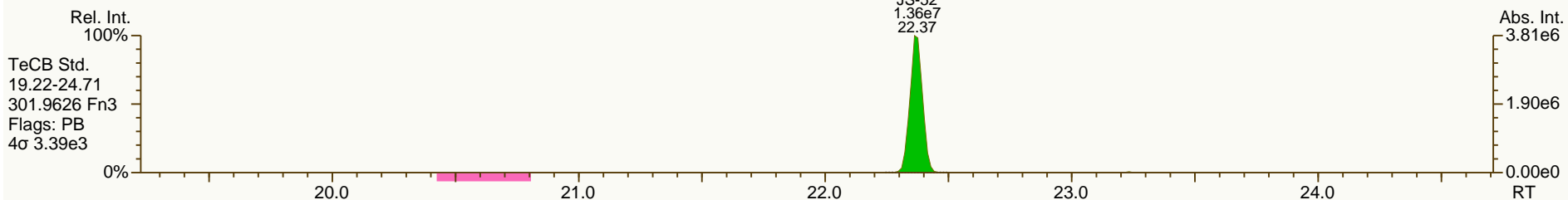
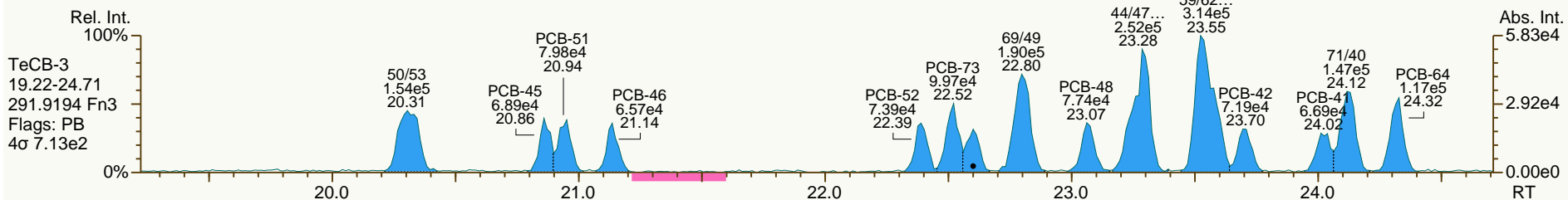
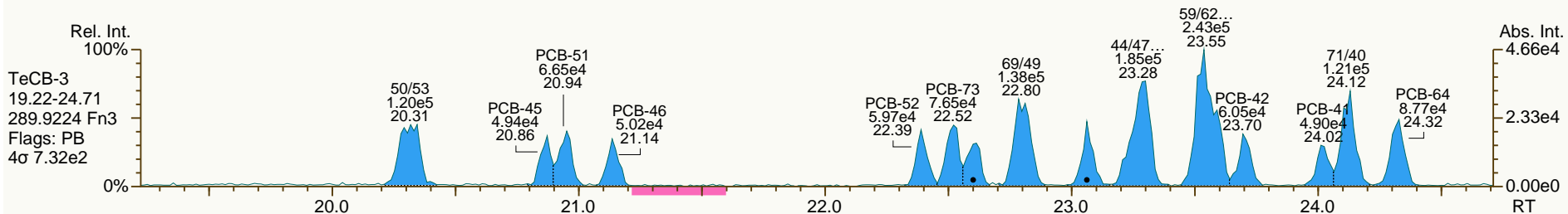
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

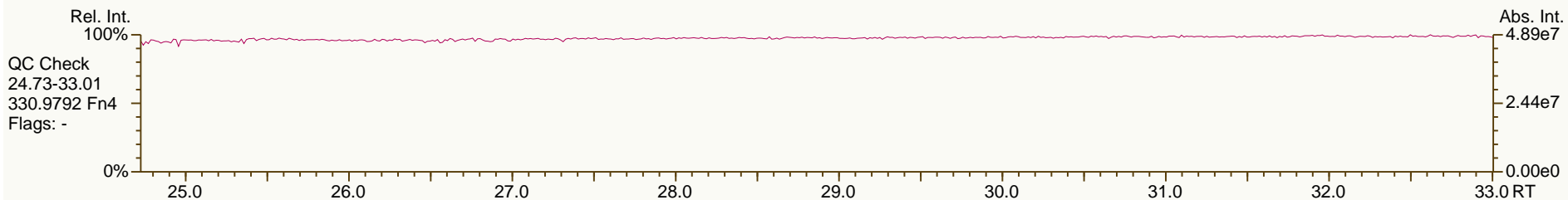
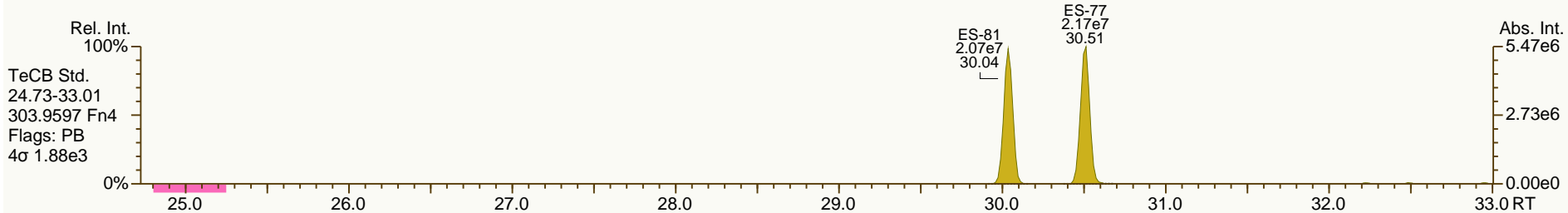
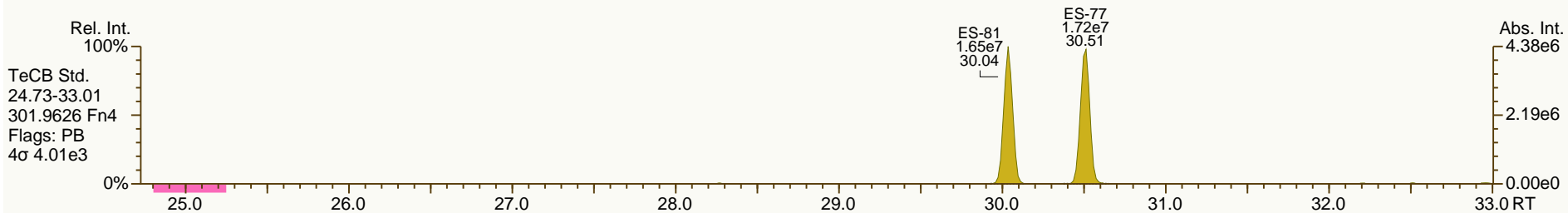
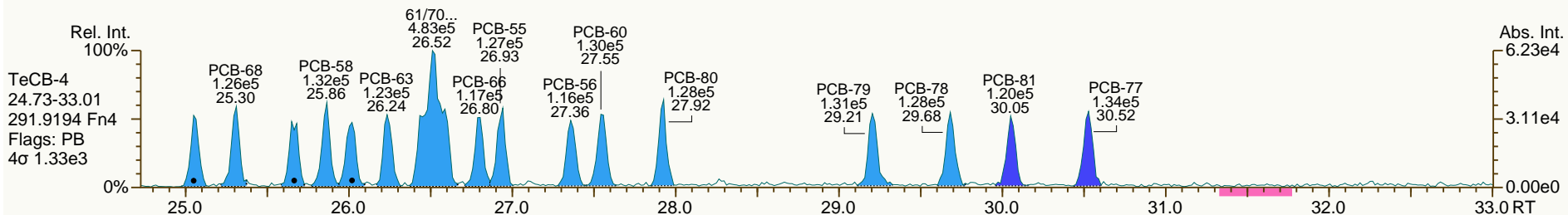
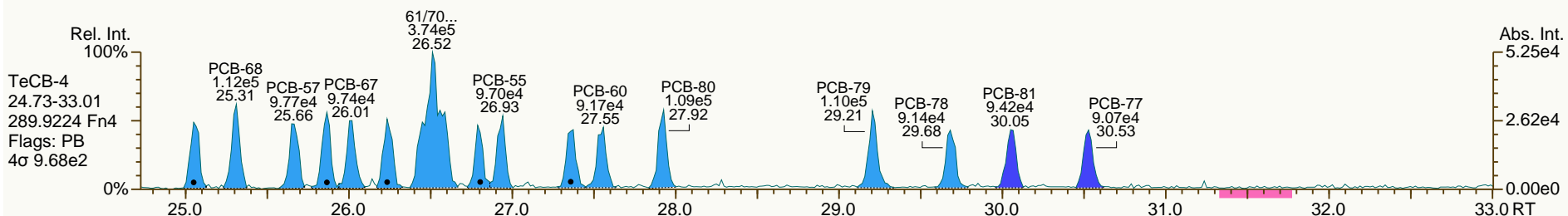
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

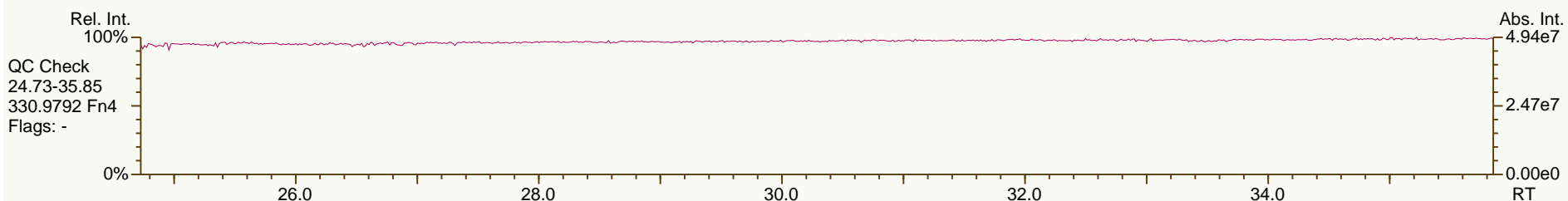
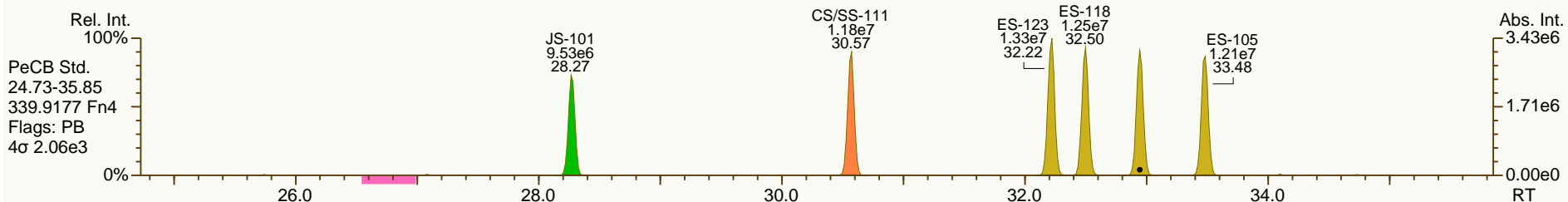
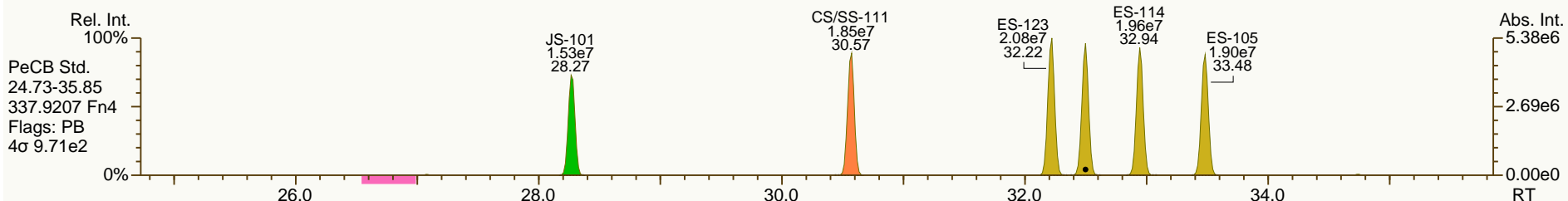
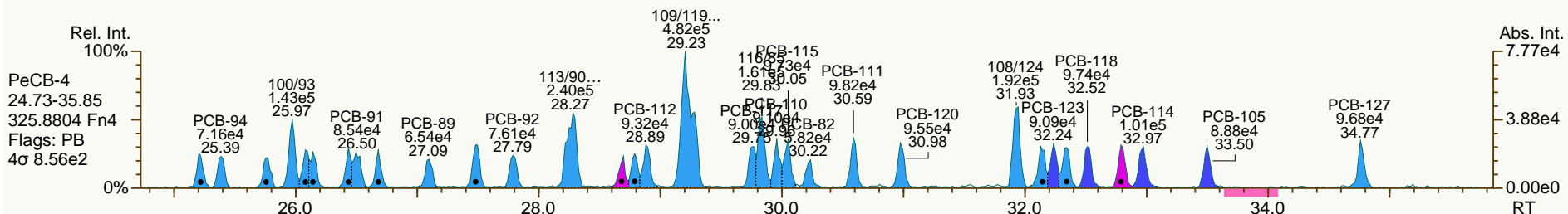
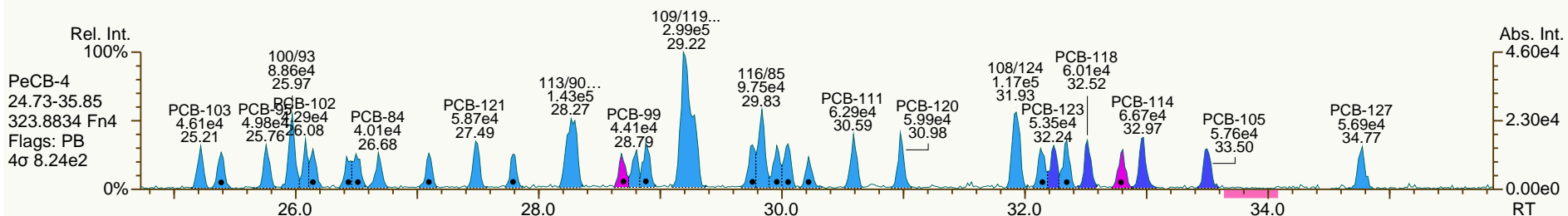
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

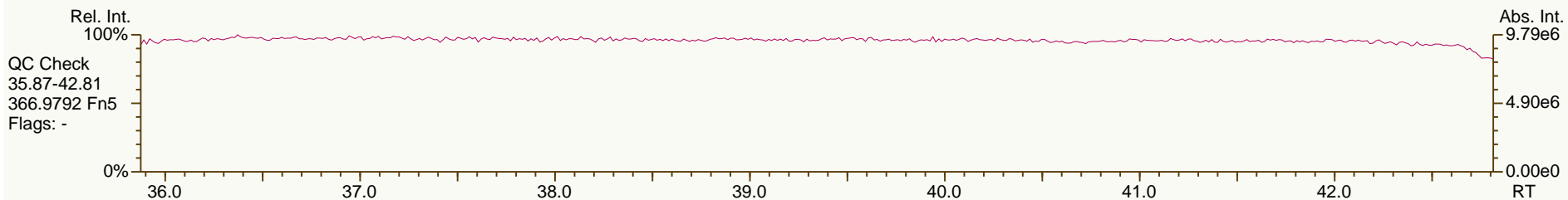
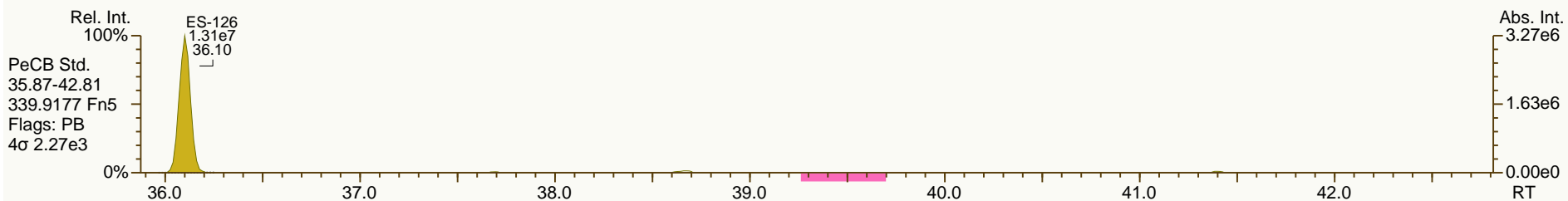
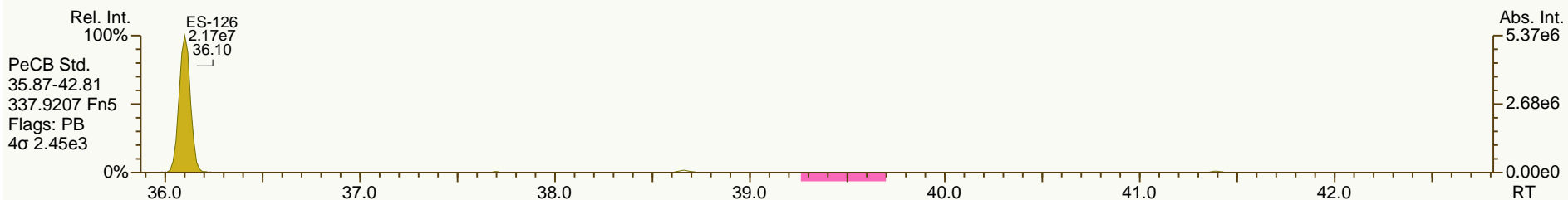
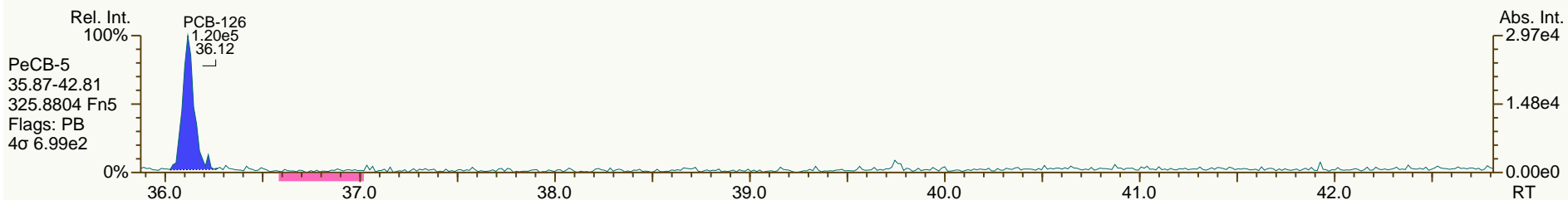
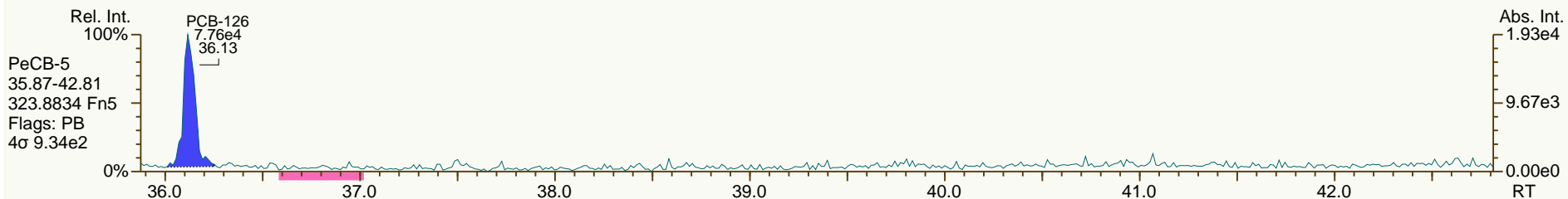
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

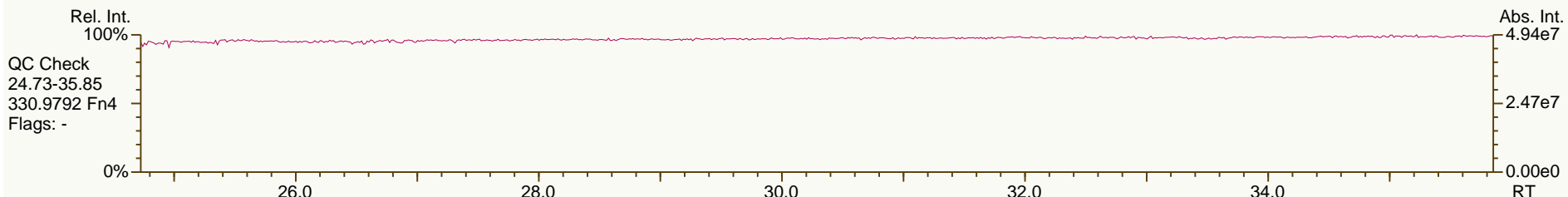
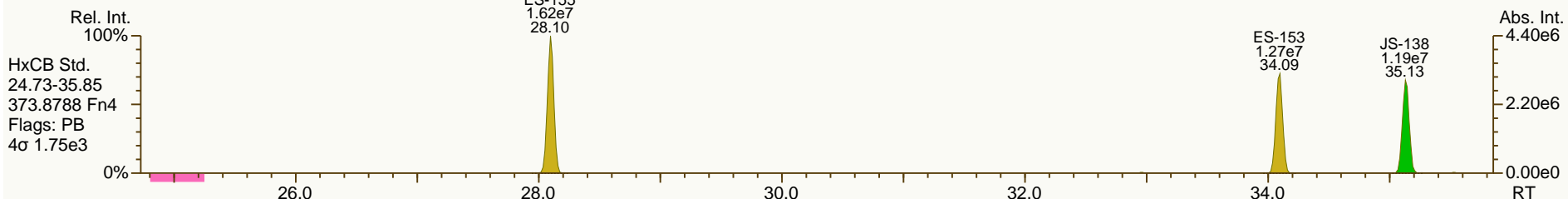
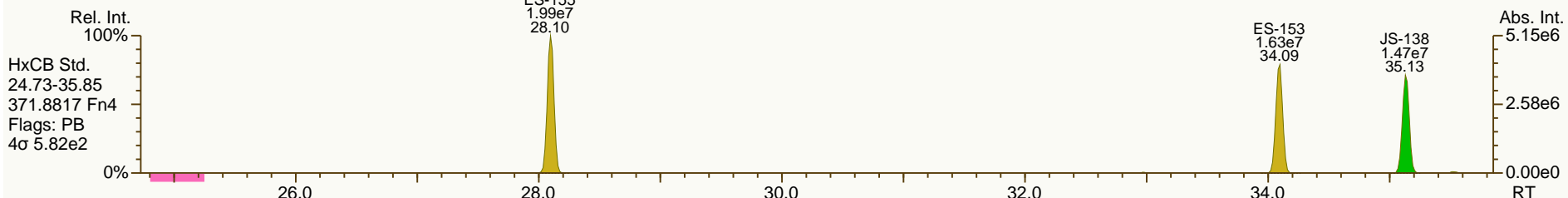
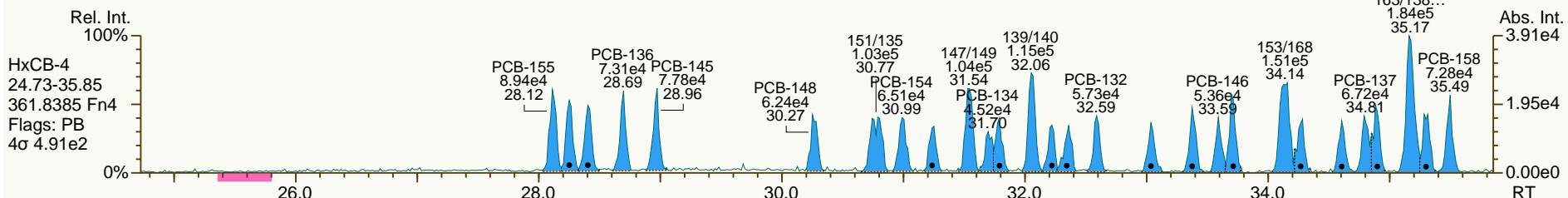
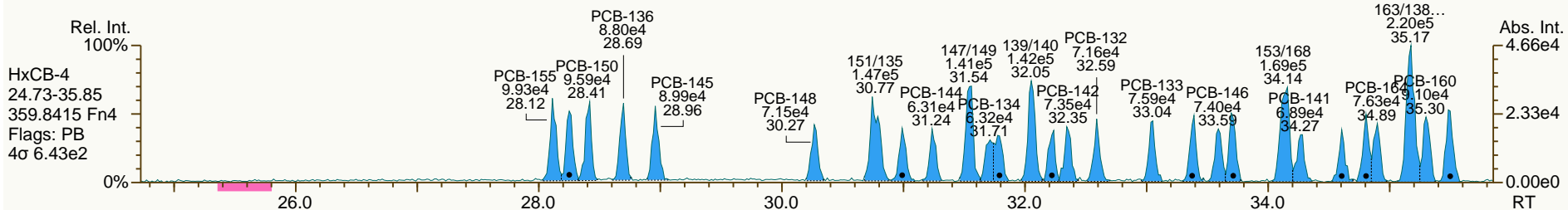
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

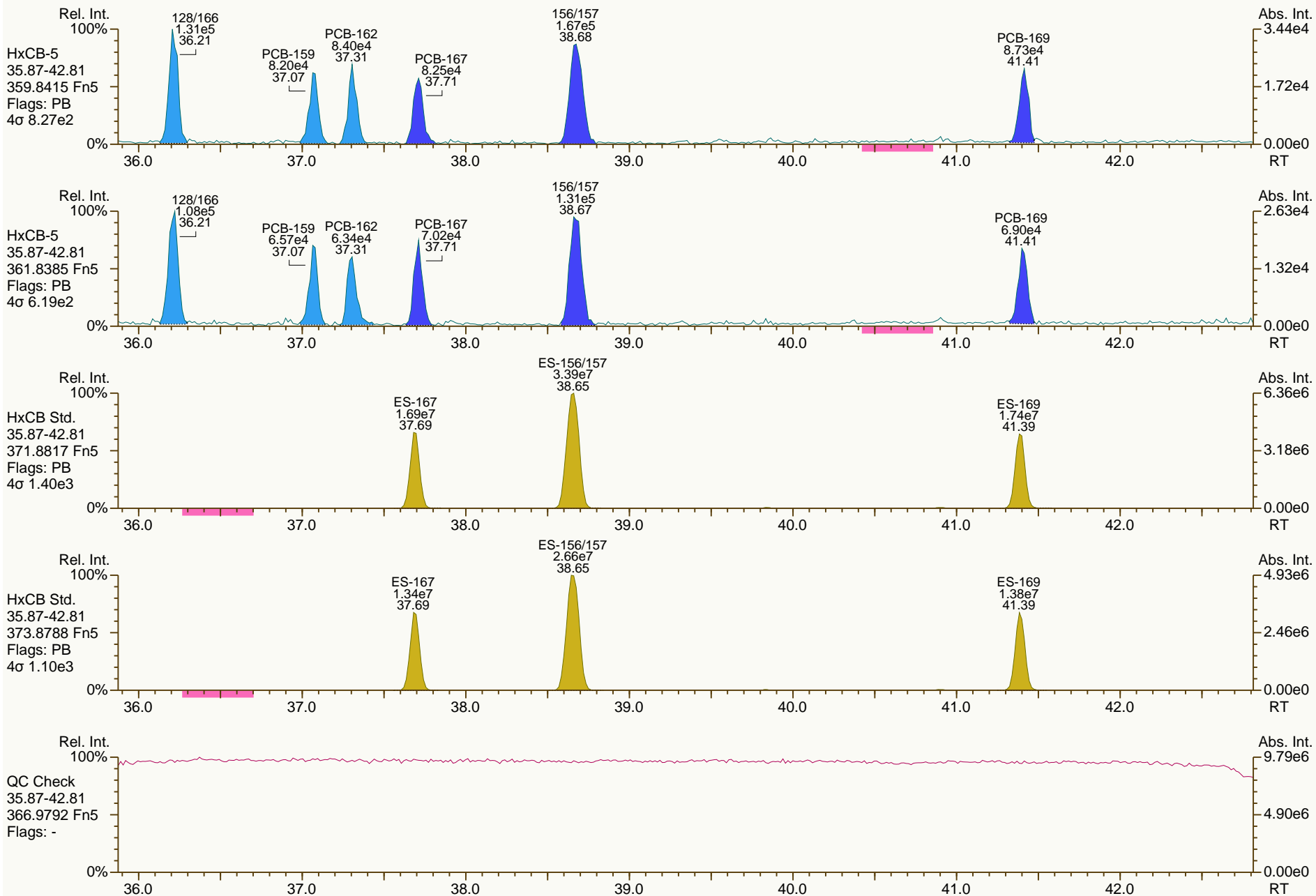
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

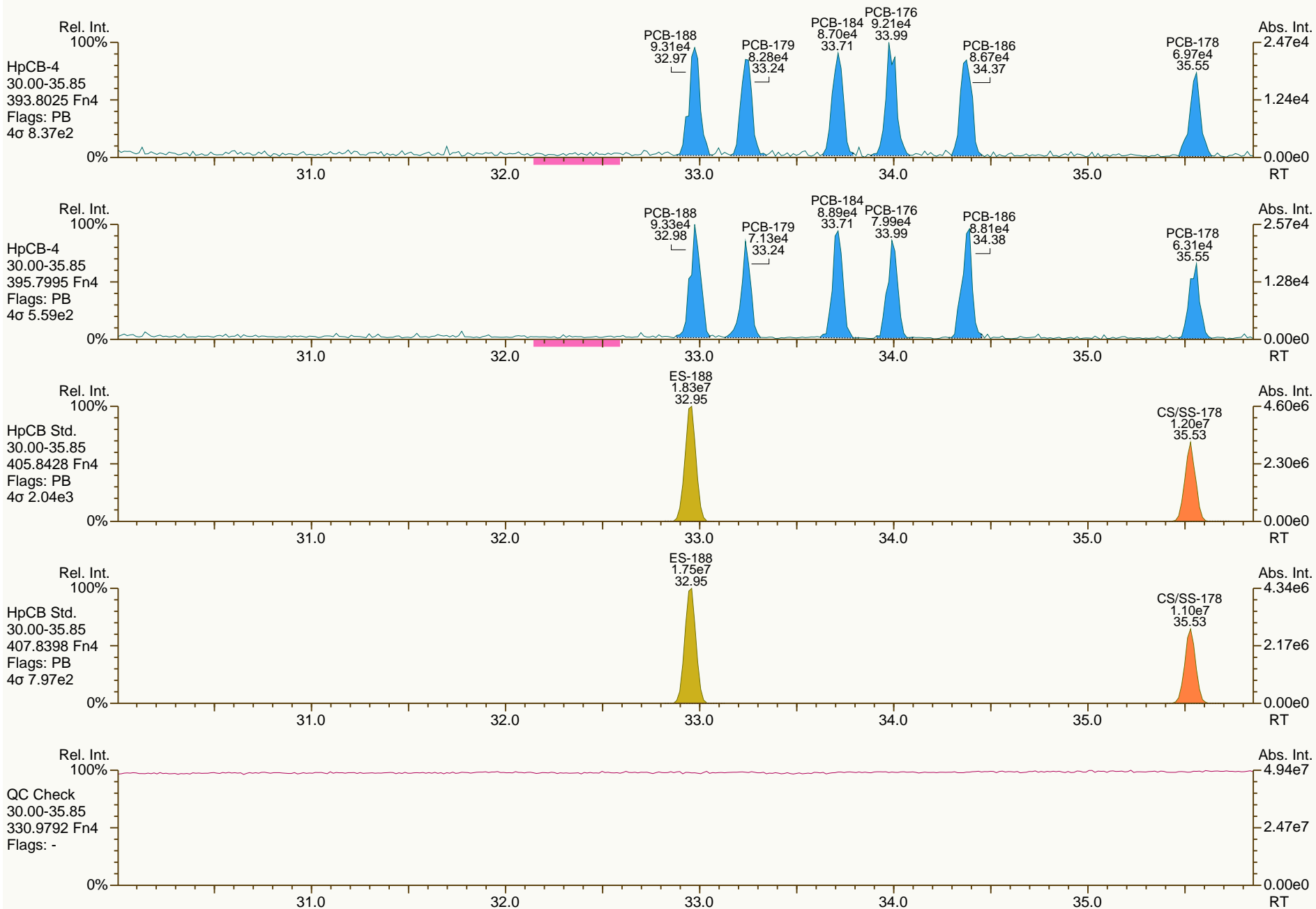
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

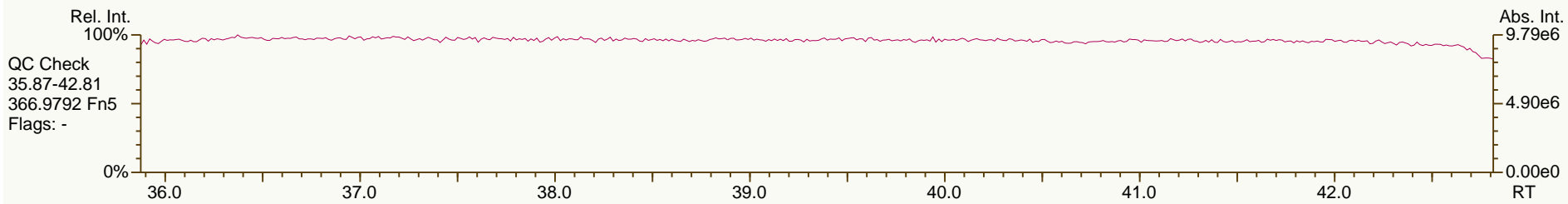
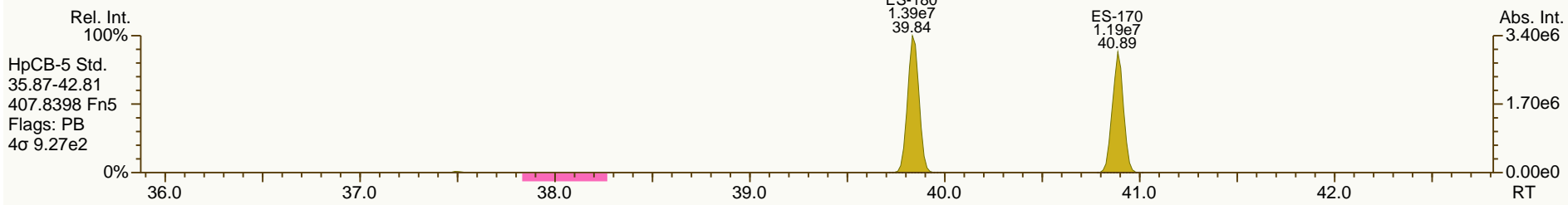
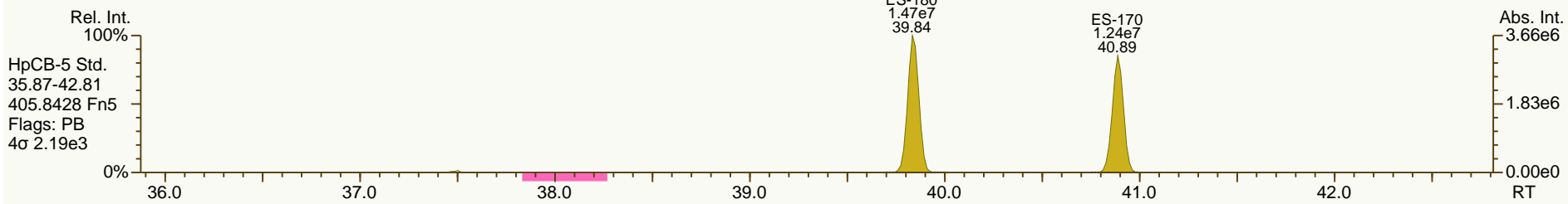
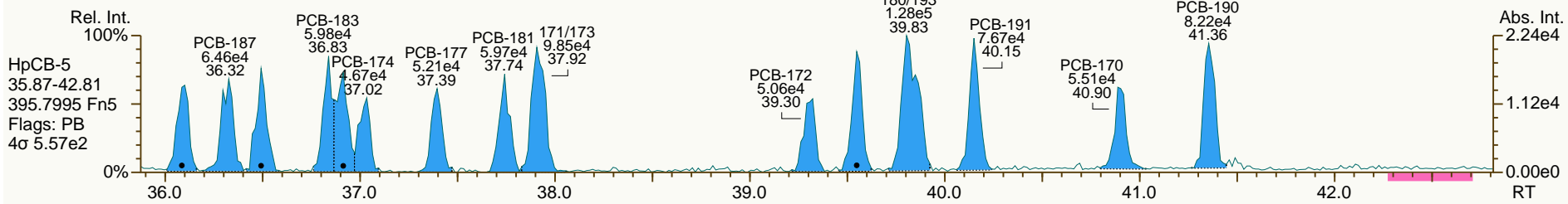
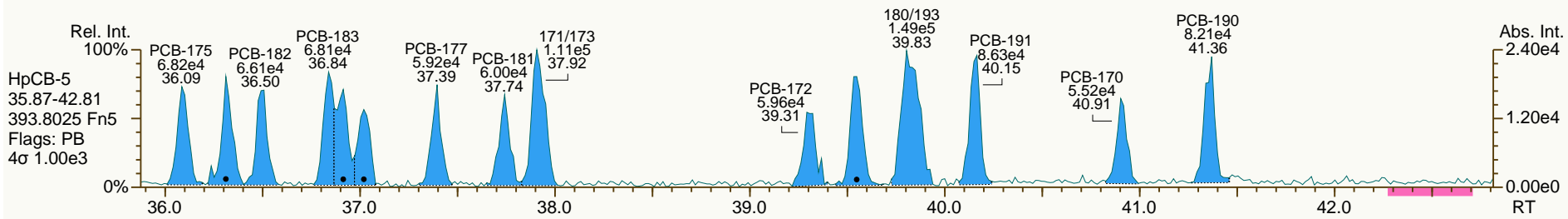
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

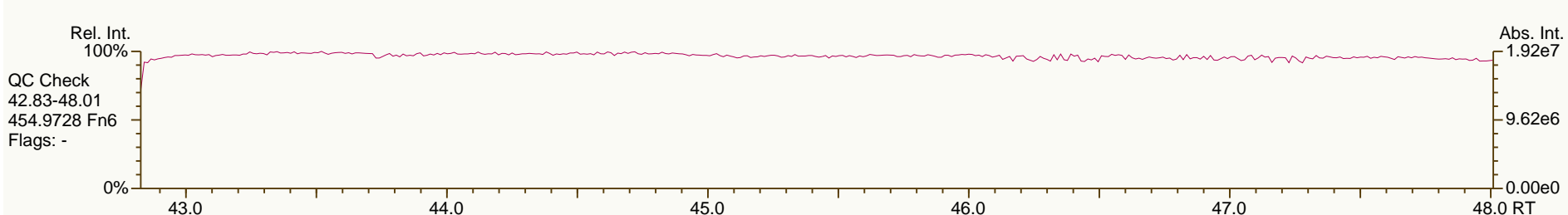
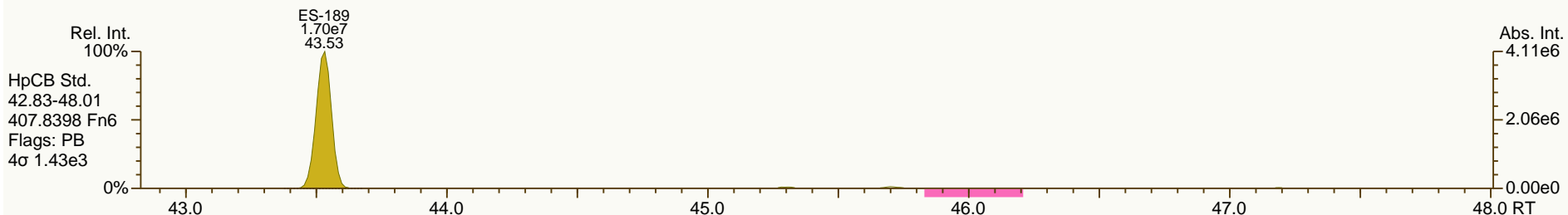
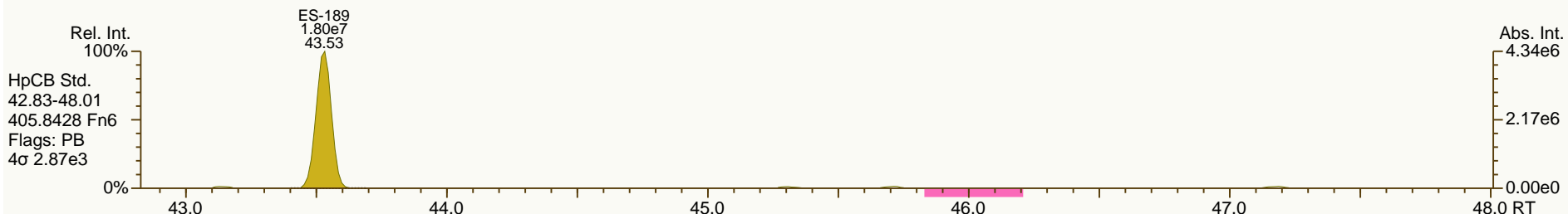
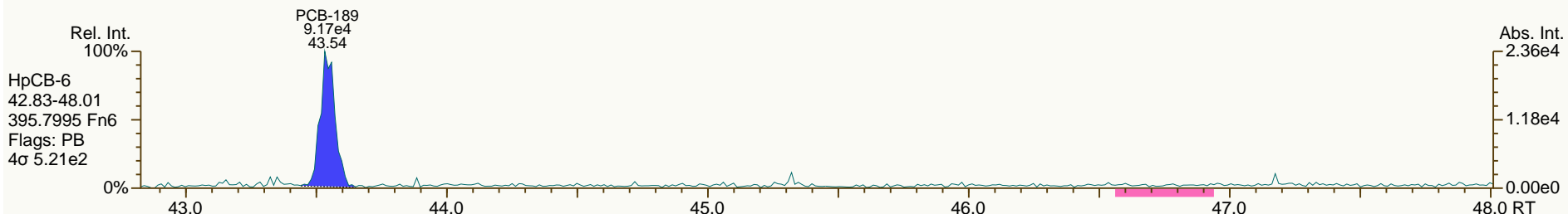
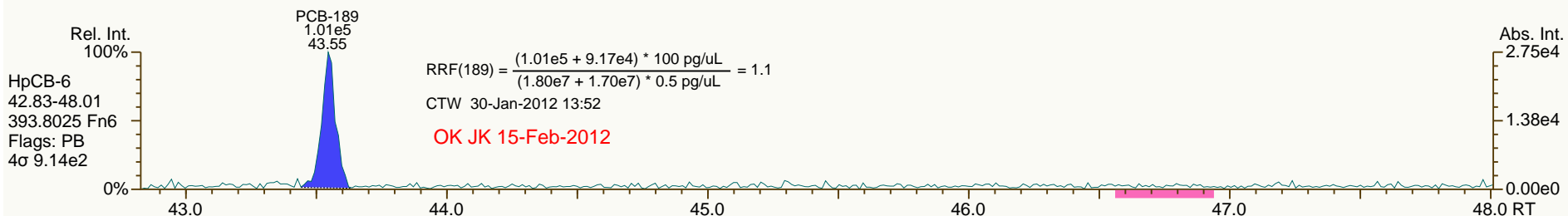
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

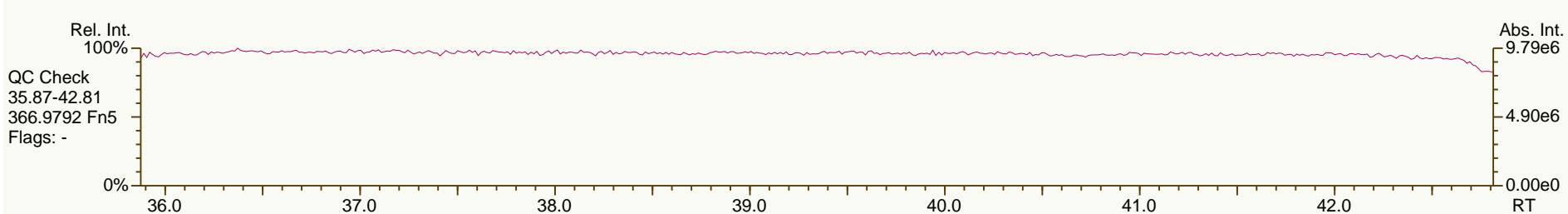
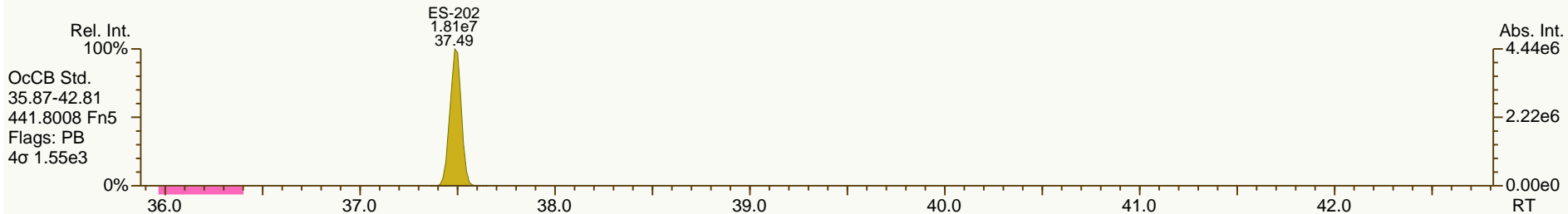
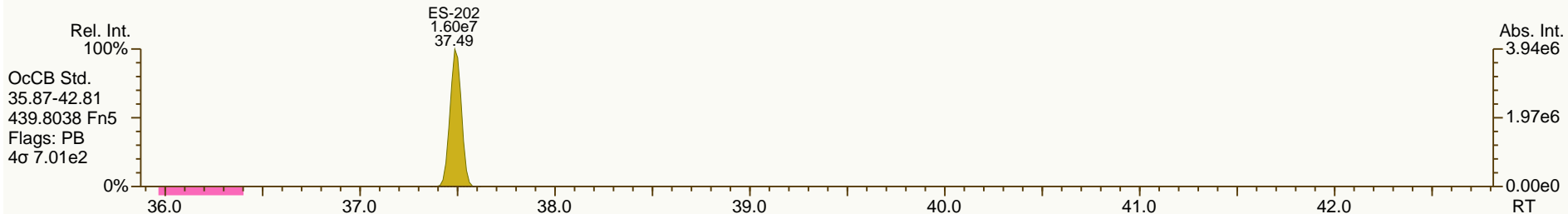
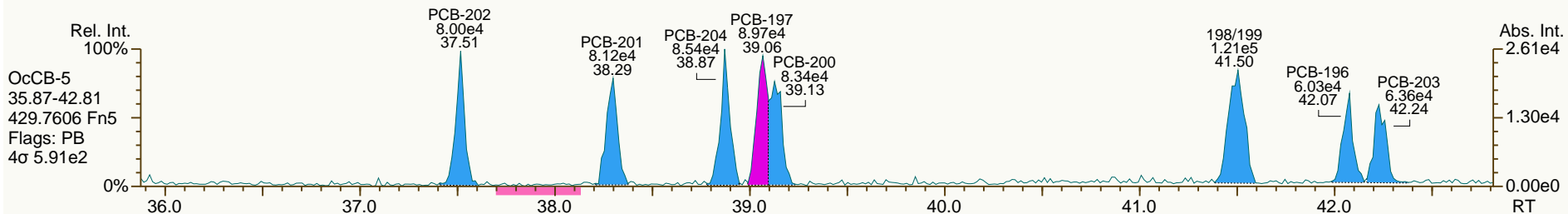
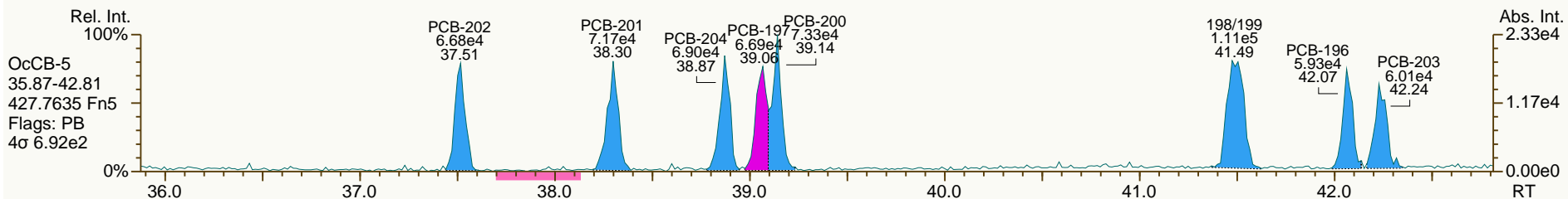
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

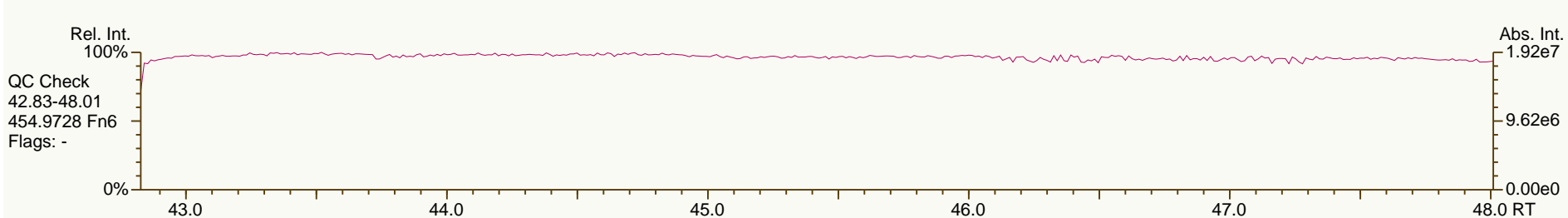
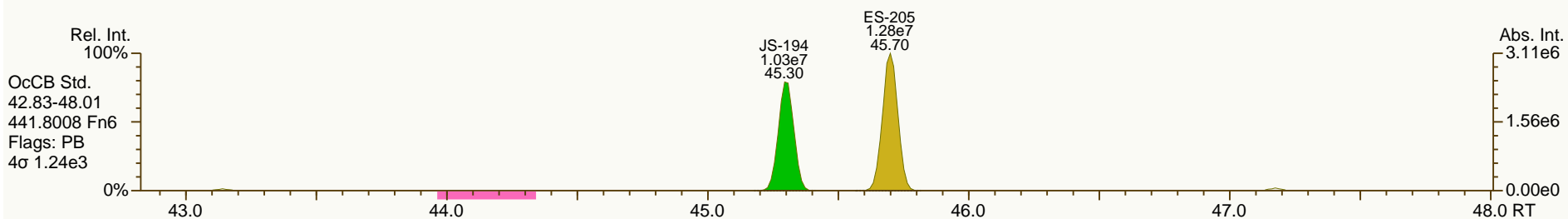
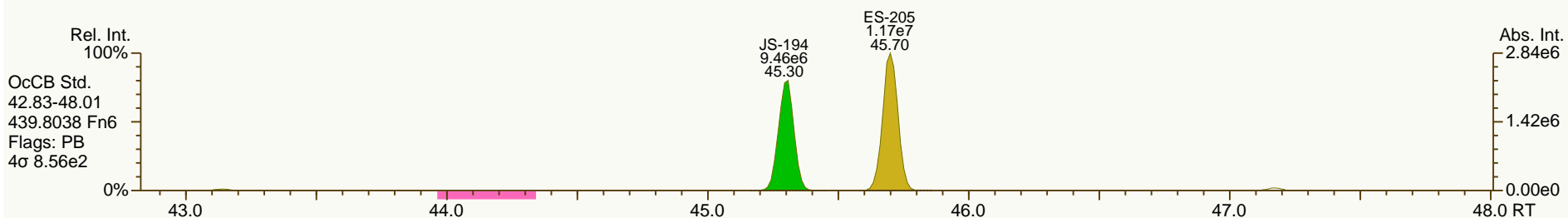
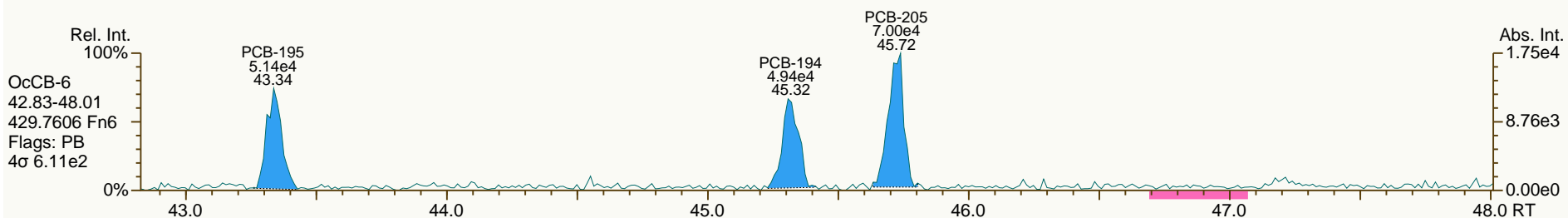
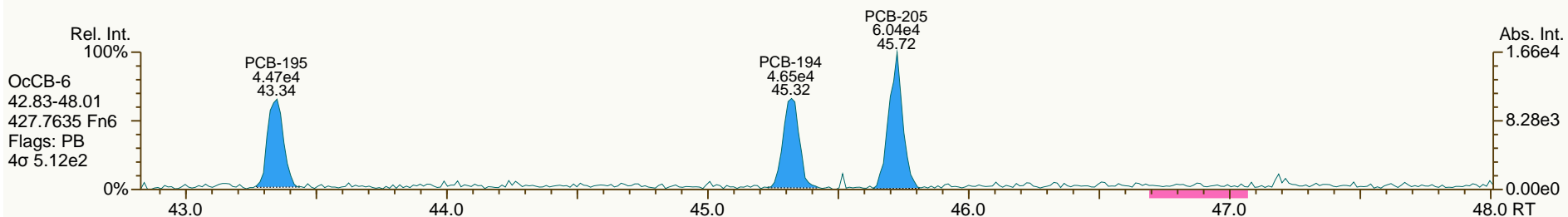
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

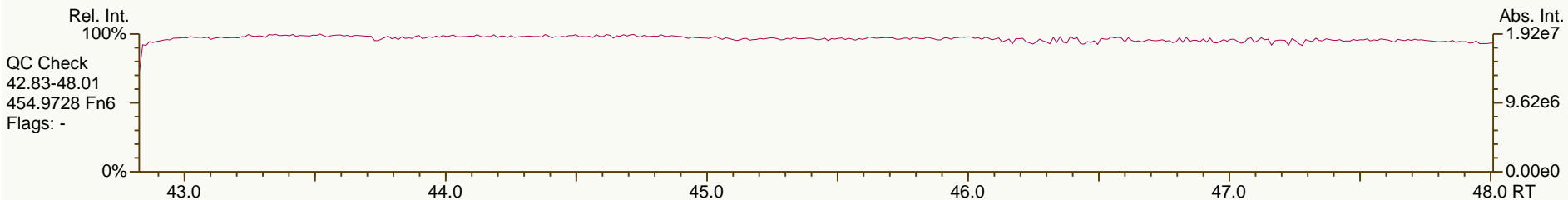
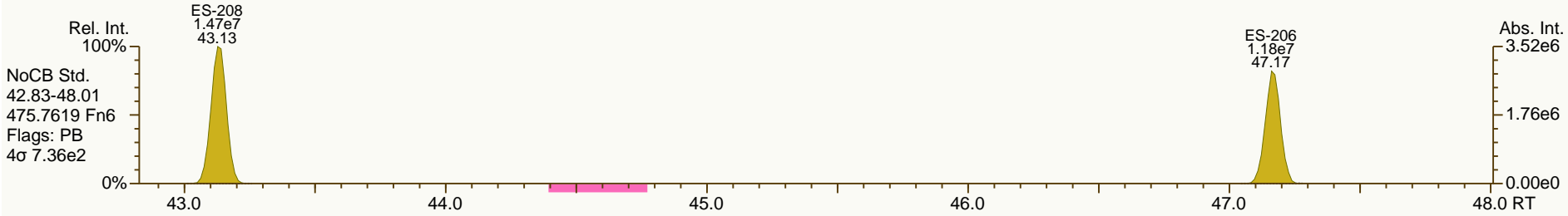
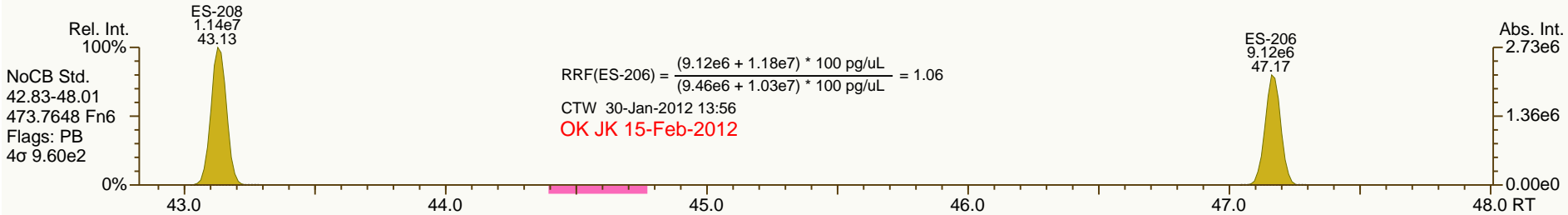
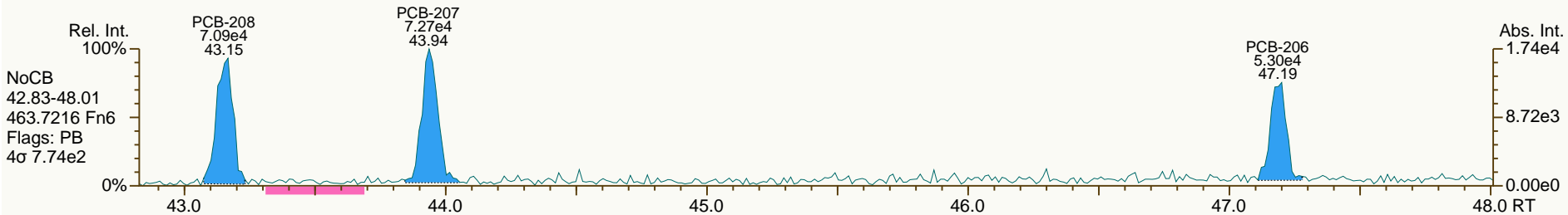
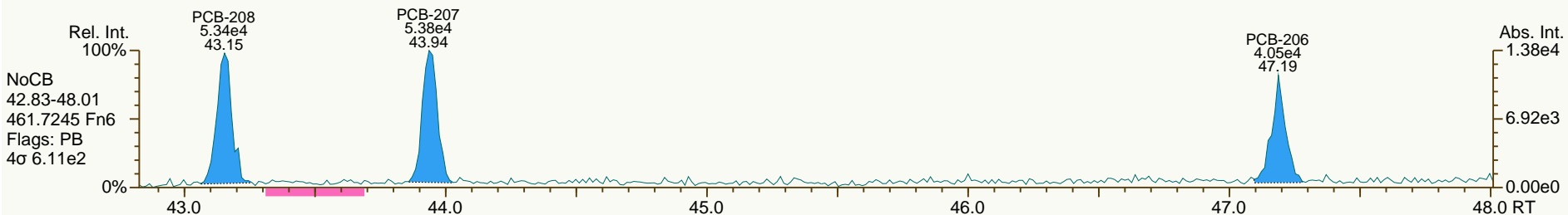
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

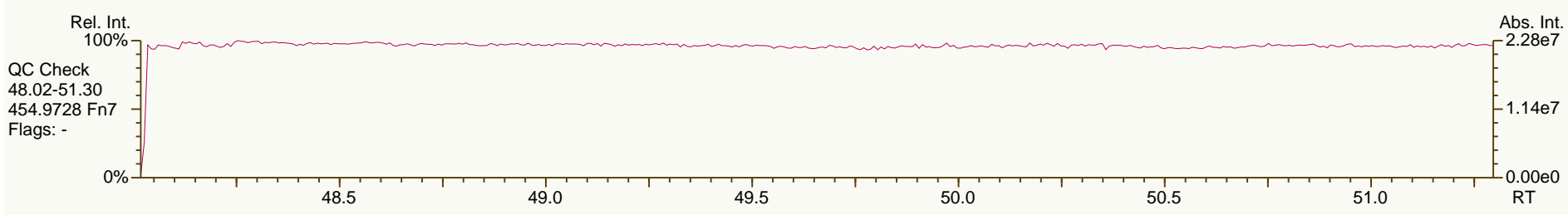
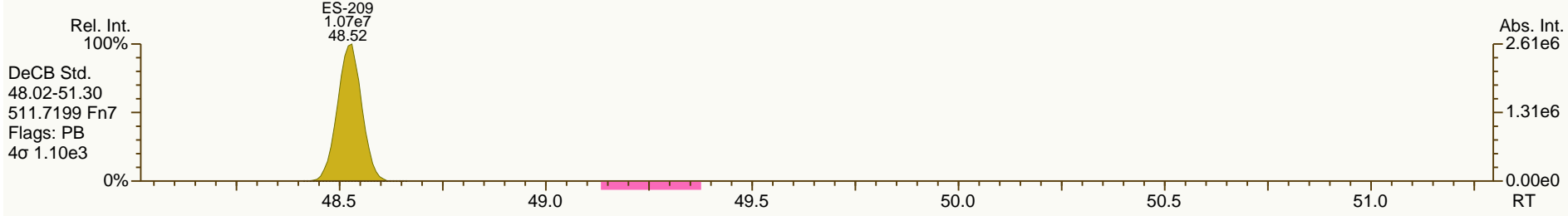
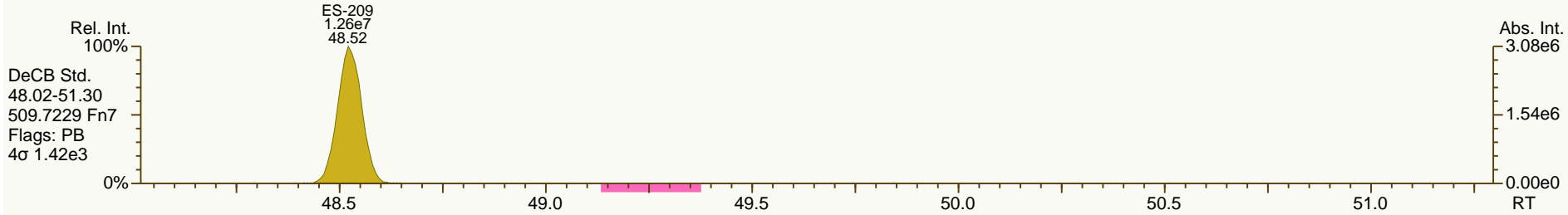
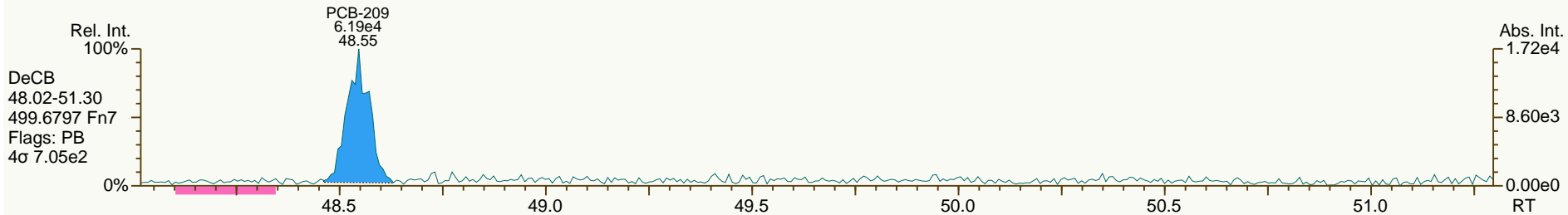
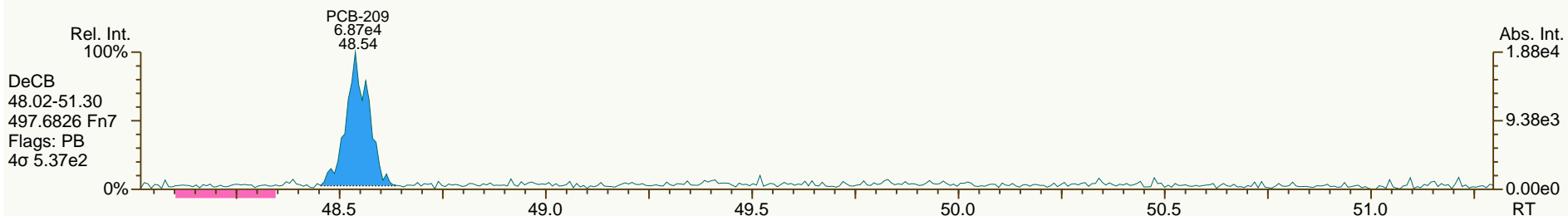
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 17:04							
Datafile:	120126S04							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.52	3.96E+05	0.77 Y	1.22	1.21	-1.6%		
PCB-81 344'5'-TeCB	30.05	3.72E+05	0.72 Y	1.24	1.23	-1.1%		
PCB-105 233'44'-PeCB	33.50	2.55E+05	0.65 Y	1.03	1.01	-1.3%		
PCB-114 2344'5'-PeCB	32.97	2.60E+05	0.69 Y	1.10	1.01	-7.6%		
PCB-118 23'44'5'-PeCB	32.52	2.60E+05	0.65 Y	1.03	0.99	-4.4%		
PCB-123 2'344'5'-PeCB	32.24	2.33E+05	0.64 Y	0.93	0.85	-8.6%		
PCB-126 33'44'5'-PeCB	36.12	3.03E+05	0.64 Y	1.11	1.04	-6.2%		
PCB-156/157 233'44'5'/233'44'5'	38.68	5.10E+05	1.22 Y	1.05	1.02	-2.1%		
PCB-167 23'44'55'-HxCB	37.71	2.53E+05	1.19 Y	1.08	1.01	-7.0%		
PCB-169 33'44'55'-HxCB	41.41	2.52E+05	1.24 Y	1.04	0.99	-5.2%		
PCB-189 233'44'55'-HpCB	43.55	2.84E+05	1.06 Y	1.11	1.00	-9.8%		
PCB-209 DeCB	48.54	1.89E+05	1.22 Y	1.05	1.00	-5.0%		
ES PCB-1	10.49	4.08E+07	3.12 Y	1.01	1.01	-0.5%		
ES PCB-3	12.54	4.21E+07	3.21 Y	1.05	1.04	-1.1%		
ES PCB-4	12.77	2.83E+07	1.56 Y	0.70	0.70	0.2%		
ES PCB-15	18.11	4.74E+07	1.60 Y	1.17	1.17	0.0%		
ES PCB-19	15.61	2.29E+07	1.04 Y	0.57	0.57	-0.1%		
ES PCB-37	24.24	3.61E+07	1.08 Y	1.41	1.44	2.2%		
ES PCB-54	18.36	3.27E+07	0.77 Y	1.32	1.31	-1.0%		
ES PCB-77	30.51	3.28E+07	0.81 Y	1.22	1.31	7.8%		
ES PCB-81	30.03	3.02E+07	0.80 Y	1.15	1.21	5.1%		
ES PCB-104	23.19	3.37E+07	1.51 Y	1.69	1.68	-0.6%		
ES PCB-105	33.48	2.51E+07	1.58 Y	1.21	1.25	3.6%		
ES PCB-114	32.94	2.57E+07	1.60 Y	1.23	1.28	3.6%		
ES PCB-118	32.49	2.63E+07	1.56 Y	1.25	1.31	4.8%		
ES PCB-123	32.21	2.75E+07	1.58 Y	1.33	1.37	3.2%		
ES PCB-126	36.10	2.90E+07	1.61 Y	1.36	1.44	6.4%		
ES PCB-153	34.09	2.37E+07	1.26 Y	1.09	1.08	-0.9%		
ES PCB-155	28.10	3.02E+07	1.24 Y	1.40	1.37	-2.6%		
ES PCB-156/157	38.65	4.99E+07	1.26 Y	1.13	1.13	-0.3%		
ES PCB-167	37.69	2.52E+07	1.24 Y	1.13	1.14	0.9%		
ES PCB-169	41.39	2.54E+07	1.23 Y	1.14	1.15	0.8%		
ES PCB-170	40.89	1.95E+07	1.06 Y	1.23	1.25	1.3%		
ES PCB-180	39.84	2.30E+07	1.09 Y	1.46	1.47	0.4%		
ES PCB-188	32.95	2.91E+07	1.06 Y	1.34	1.32	-1.6%		
ES PCB-189	43.53	2.83E+07	1.05 Y	1.77	1.81	2.4%		
ES PCB-202	37.49	2.80E+07	0.92 Y	1.27	1.27	-0.2%		
ES PCB-205	45.70	2.00E+07	0.88 Y	1.25	1.27	2.0%		
ES PCB-206	47.17	1.67E+07	0.80 Y	1.07	1.06	-0.3%		
ES PCB-208	43.13	2.11E+07	0.78 Y	1.34	1.35	0.7%		
ES PCB-209	48.53	1.89E+07	1.19 Y	1.18	1.21	2.0%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	3.42E+07	1.08 Y	0.98	0.95	-3.3%	
SS PCB-111	30.57	2.43E+07	1.55 Y	0.90	0.88	-1.5%	
SS PCB-178	35.53	1.93E+07	1.08 Y	0.65	0.66	2.4%	
CS PCB-28	20.78	3.42E+07	1.08 Y	1.39	1.37	-1.1%	
CS PCB-111	30.57	2.43E+07	1.55 Y	1.19	1.21	1.7%	
CS PCB-178	35.53	1.93E+07	1.08 Y	0.87	0.88	0.9%	
JS PCB-9	14.60	4.04E+07	1.61 Y	-	-	-	
JS PCB-52	22.37	2.50E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	2.01E+07	1.57 Y	-	-	-	
JS PCB-138	35.13	2.21E+07	1.32 Y	-	-	-	
JS PCB-194	45.30	1.57E+07	0.89 Y	-	-	-	
PCB-1 2-MoCB	10.50	4.84E+05	3.24 Y	1.20	1.19	-1.0%	
PCB-3 4-MoCB	12.56	4.64E+05	3.04 Y	1.13	1.10	-2.6%	
PCB-4 22'-DiCB	12.78	2.44E+05	0.00 S	0.94	0.86	-8.6%	
PCB-15 44'-DiCB	18.12	4.44E+05	0.00 S	1.01	0.94	-6.8%	
PCB-19 22'6'-TrCB	15.63	2.33E+05	1.18 Y	1.01	1.02	0.5%	
PCB-37 344'-TrCB	24.26	4.17E+05	1.16 Y	1.20	1.16	-3.4%	
PCB-54 22'66'-TeCB	18.38	2.93E+05	0.76 Y	0.93	0.90	-3.9%	
PCB-104 22'466'-PeCB	23.21	2.94E+05	0.67 Y	0.92	0.87	-4.8%	
PCB-153 22'44'55' -HxCB	34.13	5.36E+05	1.28 Y	1.15	1.13	-1.6%	
PCB-155 22'44'66'-HxCB	28.12	3.01E+05	1.22 Y	1.06	1.00	-5.6%	
PCB-170 22'33'44'5'-HpCB	40.91	1.90E+05	1.02 Y	1.00	0.97	-2.9%	
PCB-180 22'344'55'-HpCB	39.83	4.39E+05	0.94 Y	1.01	0.95	-6.0%	
PCB-188 22'34'566'-HpCB	32.97	2.94E+05	0.98 Y	1.07	1.01	-5.2%	
PCB-202 22'33'55'66'-OcCB	37.51	2.11E+05	0.90 Y	0.83	0.75	-8.7%	
PCB-205 233'44'55'6'-OcCB	45.72	2.15E+05	0.98 Y	1.09	1.08	-1.4%	
PCB-208 22'33'455'66'-NoCB	43.15	2.02E+05	0.82 Y	0.98	0.96	-2.1%	
PCB-206 22'33'44'55'6'-NoCB	47.19	1.50E+05	0.81 Y	0.93	0.90	-3.4%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	4.84E+05	3.24 Y	1.20	1.19	-1.0%	
PCB-2 3-MoCB	12.39	4.59E+05	3.08 Y	1.13	1.09	-3.7%	
PCB-3 4-MoCB	12.56	4.64E+05	3.04 Y	1.13	1.10	-2.6%	
PCB-4 22'-DiCB	12.78	2.44E+05	0.00 S	0.94	0.86	-8.6%	
PCB-10 26-DiCB	12.95	3.73E+05	0.00 S	1.43	1.32	-7.9%	
PCB-9 25-DiCB	14.62	3.84E+05	0.00 S	0.87	0.81	-6.6%	
PCB-7 24-DiCB	14.77	4.66E+05	0.00 S	1.00	0.98	-2.1%	
PCB-6 23'-DiCB	14.98	4.16E+05	0.00 S	0.94	0.88	-6.4%	
PCB-5 23-DiCB	15.25	4.21E+05	0.00 S	0.92	0.89	-3.6%	
PCB-8 24'-DiCB	15.37	4.27E+05	0.00 S	0.95	0.90	-5.2%	
PCB-14 35-DiCB	16.84	4.94E+05	0.00 S	1.09	1.04	-4.8%	
PCB-11 33'-DiCB	17.58	4.36E+05	0.00 S	0.98	0.92	-5.7%	
PCB-13/12 34'-/34-DiCB	17.85	8.58E+05	0.00 S	0.97	0.91	-6.7%	
PCB-15 44'-DiCB	18.12	4.44E+05	0.00 S	1.01	0.94	-6.8%	
PCB-19 22'6-TrCB	15.63	2.33E+05	1.18 Y	1.01	1.02	0.5%	
PCB-30/18 246-/22'5-TrCB	17.30	5.51E+05	1.05 Y	1.29	1.20	-7.0%	
PCB-17 22'4-TrCB	17.68	2.45E+05	1.02 Y	1.14	1.07	-5.9%	
PCB-27 23'6-TrCB	17.86	3.21E+05	1.15 Y	1.48	1.40	-5.5%	
PCB-24 236-TrCB	17.99	3.28E+05	1.08 Y	1.43	1.43	-0.1%	
PCB-16 22'3-TrCB	18.07	1.95E+05	1.07 Y	0.89	0.85	-4.9%	
PCB-32 24'6-TrCB	18.54	3.42E+05	0.99 Y	1.56	1.49	-4.2%	
PCB-34 2'35-TrCB	19.66	4.03E+05	1.08 Y	1.18	1.12	-5.2%	
PCB-23 235-TrCB	19.80	4.03E+05	1.09 Y	1.19	1.12	-5.6%	
PCB-26/29 23'5-/245-TrCB	20.08	8.20E+05	1.12 Y	1.20	1.14	-5.2%	
PCB-25 23'4-TrCB	20.27	4.13E+05	1.05 Y	1.19	1.14	-4.0%	
PCB-31 24'5-TrCB	20.54	4.01E+05	1.02 Y	1.23	1.11	-9.3%	
PCB-28/20 244'-/233'-TrCB	20.81	7.68E+05	1.12 Y	1.18	1.06	-9.7%	
PCB-21/33 234-/2'34-TrCB	20.97	7.97E+05	1.06 Y	1.21	1.11	-9.0%	
PCB-22 234'-TrCB	21.34	3.80E+05	1.08 Y	1.11	1.05	-5.4%	
PCB-36 33'5-TrCB	22.71	4.19E+05	1.11 Y	1.21	1.16	-4.1%	
PCB-39 34'5-TrCB	23.02	4.87E+05	1.06 Y	1.32	1.35	2.6%	
PCB-38 345-TrCB	23.52	4.06E+05	1.11 Y	1.15	1.13	-2.4%	
PCB-35 33'4-TrCB	23.91	3.96E+05	1.04 Y	1.13	1.10	-3.2%	
PCB-37 344'-TrCB	24.26	4.17E+05	1.16 Y	1.20	1.16	-3.4%	
PCB-54 22'66'-TeCB	18.38	2.93E+05	0.76 Y	0.93	0.90	-3.9%	
PCB-50/53 22'46-/22'56'TeCB	20.31	4.49E+05	0.80 Y	0.83	0.74	-10.8%	
PCB-45 22'36'-TeCB	20.86	1.88E+05	0.86 Y	0.71	0.62	-11.9%	
PCB-51 22'46'-TeCB	20.94	2.36E+05	0.81 Y	0.88	0.78	-11.0%	
PCB-46 22'36'-TeCB	21.13	1.93E+05	0.80 Y	0.69	0.64	-8.4%	
PCB-52 22'55'-TeCB	22.39	2.25E+05	0.76 Y	0.80	0.74	-7.4%	
PCB-73 23'5'6TeCB	22.52	2.86E+05	0.69 Y	1.03	0.95	-8.5%	
PCB-43 22'35'-TeCB	22.60	2.01E+05	0.78 Y	0.71	0.66	-6.0%	
PCB-69/49 23'46-/22'45'TeCB	22.80	5.31E+05	0.81 Y	0.96	0.88	-8.5%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.06	2.50E+05	0.84 Y	0.84	0.83	-1.1%	
PCB-44/47/65 22'35'-/22'44'-	23.27	7.40E+05	0.78 Y	0.86	0.82	-5.0%	
PCB-59/62/75 233'6'-/2346-/24	23.54	9.35E+05	0.73 Y	1.09	1.03	-5.6%	
PCB-42 22'34'-TeCB	23.70	2.20E+05	0.70 Y	0.77	0.73	-5.2%	
PCB-41 22'34'-TeCB	24.02	2.16E+05	0.78 Y	0.73	0.71	-1.5%	
PCB-71/40 23'4'6/22'33'-TeCB	24.12	4.69E+05	0.79 Y	0.81	0.78	-4.6%	
PCB-64 234'6'-TeCB	24.32	3.34E+05	0.79 Y	1.17	1.11	-5.2%	
PCB-72 23'55'-TeCB	25.05	3.52E+05	0.84 Y	1.25	1.16	-7.1%	
PCB-68 23'45'-TeCB	25.30	4.10E+05	0.76 Y	1.36	1.35	-0.6%	
PCB-57 233'5'-TeCB	25.66	3.53E+05	0.77 Y	1.22	1.17	-4.6%	
PCB-58 233'5'-TeCB	25.86	3.58E+05	0.86 Y	1.26	1.18	-5.8%	
PCB-67 23'45'-TeCB	26.01	3.80E+05	0.78 Y	1.27	1.26	-1.4%	
PCB-63 234'5'-TeCB	26.24	3.89E+05	0.80 Y	1.34	1.29	-3.7%	
PCB-61/70/74/76 2345-/23'4'5	26.51	1.40E+06	0.82 Y	1.24	1.16	-6.7%	
PCB-66 23'44'-TeCB	26.80	3.53E+05	0.77 Y	1.19	1.17	-1.8%	
PCB-55 233'4'-TeCB	26.93	3.52E+05	0.78 Y	1.22	1.16	-4.4%	
PCB-56 233'4'-TeCB	27.36	3.42E+05	0.79 Y	1.18	1.13	-3.9%	
PCB-60 2344'-TeCB	27.55	3.47E+05	0.66 Y	1.24	1.15	-7.2%	
PCB-80 33'55'-TeCB	27.92	4.01E+05	0.77 Y	1.37	1.32	-3.5%	
PCB-79 33'45'-TeCB	29.21	3.81E+05	0.76 Y	1.37	1.26	-7.9%	
PCB-78 33'45'-TeCB	29.68	3.48E+05	0.70 Y	1.19	1.15	-3.6%	
PCB-104 22'466'-PeCB	23.21	2.94E+05	0.67 Y	0.92	0.87	-4.8%	
PCB-96 22'366'-PeCB	23.51	2.59E+05	0.56 Y	0.81	0.77	-5.2%	
PCB-103 22'45'6'-PeCB	25.21	1.97E+05	0.64 Y	0.78	0.71	-7.9%	
PCB-94 22'356'-PeCB	25.38	1.89E+05	0.63 Y	0.71	0.69	-3.6%	
PCB-95 22'35'6'-PeCB	25.76	1.93E+05	0.64 Y	0.74	0.70	-5.4%	
PCB-100/93 22'44'6-/22'356-P	25.97	3.83E+05	0.61 Y	0.75	0.70	-6.8%	
PCB-102 22'456'-PeCB	26.09	2.25E+05	0.63 Y	0.75	0.82	9.1%	
PCB-98 22'3'46'-PeCB	26.15	1.46E+05	0.57 Y	0.71	0.53	-25.3%	
PCB-88 22'346'-PeCB	26.43	1.84E+05	0.62 Y	0.66	0.67	0.4%	
PCB-91 22'34'6'-PeCB	26.51	2.13E+05	0.61 Y	0.84	0.78	-7.6%	
PCB-84 22'33'6'-PeCB	26.68	1.56E+05	0.65 Y	0.65	0.57	-12.5%	
PCB-89 22'346'-PeCB	27.09	1.89E+05	0.60 Y	0.69	0.69	0.0%	
PCB-121 23'45'6'-PeCB	27.48	2.63E+05	0.62 Y	0.98	0.96	-2.7%	
PCB-92 22'355'-PeCB	27.79	1.97E+05	0.58 Y	0.72	0.71	-0.2%	
PCB-113/90/101 233'5'6-/22'3	28.27	6.46E+05	0.64 Y	0.81	0.78	-3.3%	
PCB-83 22'33'5'-PeCB	28.68	1.71E+05	0.60 Y	0.62	0.62	-0.4%	
PCB-99 22'44'5'-PeCB	28.79	2.14E+05	0.67 Y	0.76	0.78	1.6%	
PCB-112 233'56'-PeCB	28.88	2.62E+05	0.64 Y	0.96	0.95	-1.3%	
PCB-108/119/86/97/125/87 233	29.22	1.28E+06	0.59 Y	0.83	0.77	-6.2%	
PCB-117 234'56'-PeCB	29.75	2.53E+05	0.61 Y	0.94	0.92	-2.2%	
PCB-116/85 23456-/22'344'-Pe	29.83	4.27E+05	0.58 Y	0.81	0.77	-4.2%	
PCB-110 233'4'6'-PeCB	29.96	2.41E+05	0.61 Y	0.92	0.87	-5.0%	

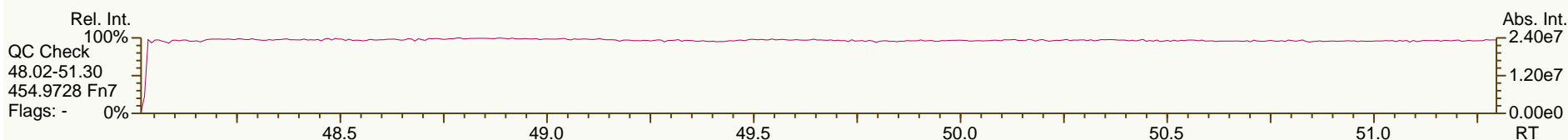
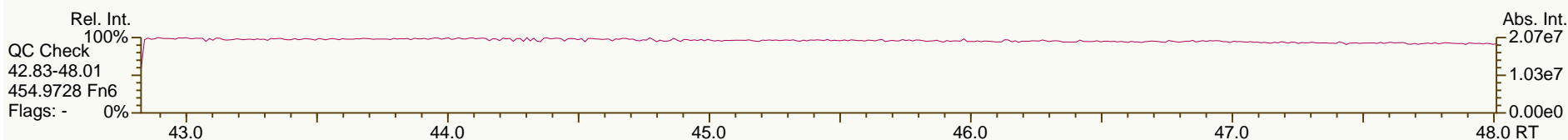
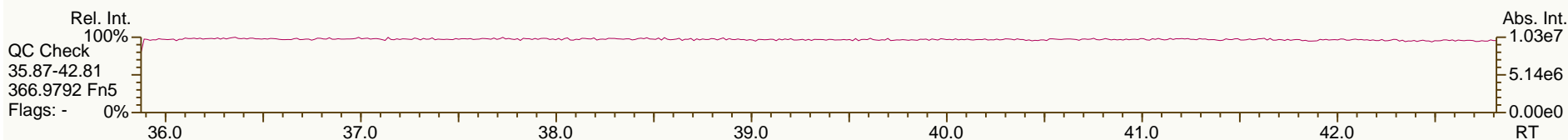
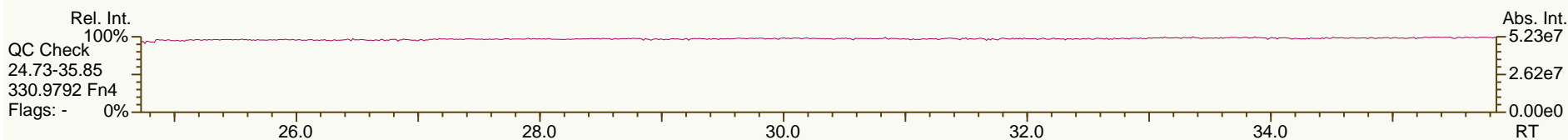
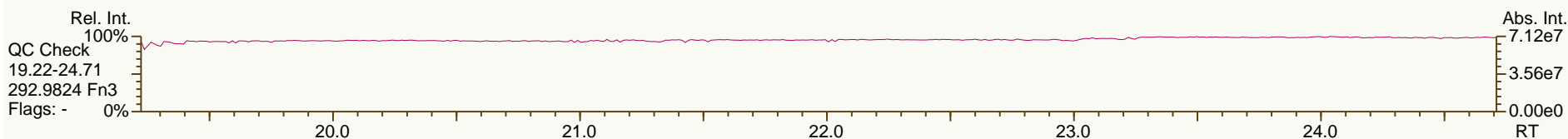
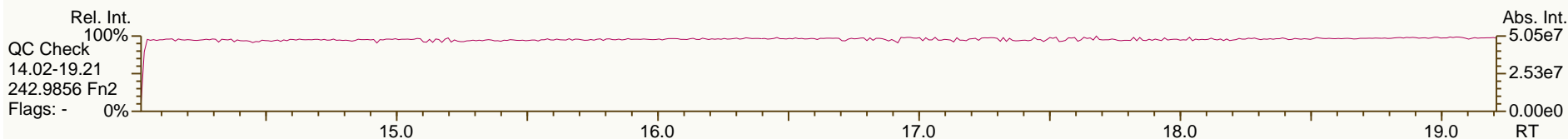
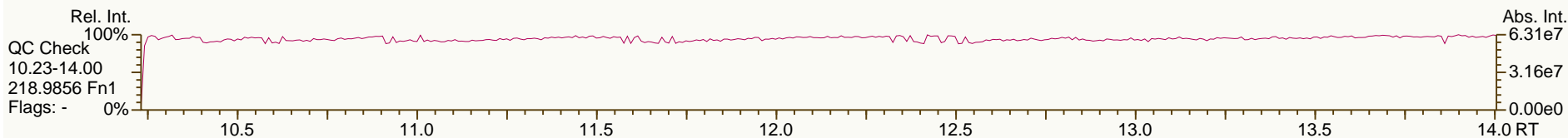
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.04	2.57E+05	0.66 Y	0.95	0.93	-1.4%	
PCB-82 22'33'4-PeCB	30.22	1.74E+05	0.65 Y	0.62	0.63	2.8%	
PCB-111 233'55'-PeCB	30.59	2.71E+05	0.58 Y	0.98	0.98	-0.1%	
PCB-120 23'455'-PeCB	30.98	2.75E+05	0.69 Y	0.99	1.00	0.5%	
PCB-107/124 233'4'5-/2'3455'	31.93	4.60E+05	0.62 Y	0.92	0.83	-9.2%	
PCB-109 233'46-PeCB	32.13	2.66E+05	0.61 Y	1.00	0.97	-2.9%	
PCB-106 233'45-PeCB	32.34	2.54E+05	0.63 Y	0.96	0.92	-4.1%	
PCB-122 2'33'45-PeCB	32.79	2.27E+05	0.67 Y	0.93	0.89	-4.4%	
PCB-127 33'455'-PeCB	34.77	2.48E+05	0.66 Y	1.04	0.99	-5.1%	
PCB-155 22'44'66'-HxCB	28.12	3.01E+05	1.22 Y	1.06	1.00	-5.6%	
PCB-152 22'3566'-HxCB	28.25	2.85E+05	1.34 Y	0.98	0.95	-3.7%	
PCB-150 22'34'66'-HxCB	28.40	2.84E+05	1.31 Y	0.99	0.94	-4.6%	
PCB-136 22'33'66'-HxCB	28.69	2.70E+05	1.23 Y	0.92	0.90	-2.6%	
PCB-145 22'3466'HxCB	28.96	2.77E+05	1.37 Y	0.94	0.92	-2.0%	
PCB-148 22'34'56'-HxCB	30.27	2.16E+05	1.32 Y	0.95	0.91	-4.1%	
PCB-151/135 22'355'6-/22'33'	30.77	4.16E+05	1.22 Y	0.92	0.88	-4.7%	
PCB-154 22'44'5'6-HxCB	30.99	2.32E+05	1.31 Y	1.01	0.98	-3.7%	
PCB-144 22'345'6-HxCB	31.24	2.19E+05	1.22 Y	0.93	0.92	-1.0%	
PCB-147/149 22'34'56-/22'34'	31.54	4.25E+05	1.34 Y	0.94	0.90	-4.2%	
PCB-134 22'33'56-HxCB	31.70	1.75E+05	1.25 Y	0.78	0.74	-6.2%	
PCB-143 22'3456'-HxCB	31.78	1.99E+05	1.10 Y	0.90	0.84	-6.3%	
PCB-139/140 22'344'6-/22'344'	32.05	4.26E+05	1.27 Y	0.95	0.90	-5.6%	
PCB-131 22'33'46-HxCB	32.21	1.92E+05	1.20 Y	0.84	0.81	-3.1%	
PCB-142 22'3456-HxCB	32.35	1.95E+05	1.33 Y	0.87	0.82	-5.7%	
PCB-132 22'33'46'-HxCB	32.59	2.02E+05	1.35 Y	0.88	0.85	-2.7%	
PCB-133 22'33'55'-HxCB	33.04	2.01E+05	1.20 Y	0.89	0.85	-4.9%	
PCB-165 233'55'6-HxCB	33.38	2.47E+05	1.36 Y	1.06	1.04	-2.1%	
PCB-146 22'34'55'-HxCB	33.59	2.12E+05	1.13 Y	0.94	0.89	-5.2%	
PCB-161 233'45'6-HxCB	33.71	2.73E+05	1.37 Y	1.20	1.15	-3.9%	
PCB-153/168 22'44'55'-/23'44'	34.13	5.36E+05	1.28 Y	1.15	1.13	-1.6%	
PCB-141 22'3455'-HxCB	34.26	2.21E+05	1.17 Y	0.91	0.93	2.0%	
PCB-130 22'33'45'-HxCB	34.61	1.87E+05	1.30 Y	0.82	0.79	-4.0%	
PCB-137 22'344'5-HxCB	34.81	2.37E+05	1.33 Y	1.00	1.00	-0.4%	
PCB-164 233'4'5'6-HxCB	34.89	2.56E+05	1.36 Y	1.14	1.08	-5.2%	
PCB-163/138/129 233'4'56-/22'	35.17	6.86E+05	1.26 Y	0.98	0.96	-2.2%	
PCB-160 233'456-HxCB	35.30	2.61E+05	1.27 Y	1.14	1.10	-3.9%	
PCB-158 233'44'6-HxCB	35.49	2.86E+05	1.30 Y	1.24	1.21	-3.1%	
PCB-128/166 22'33'44'-/2344'5	36.21	4.08E+05	1.28 Y	0.86	0.81	-6.2%	
PCB-159 233'455'-HxCB	37.07	2.48E+05	1.44 Y	1.03	0.98	-4.1%	
PCB-162 233'4'55'-HxCB	37.31	2.47E+05	1.12 Y	1.04	0.98	-5.8%	
PCB-188 22'34'566'-HpCB	32.97	2.94E+05	0.98 Y	1.07	1.01	-5.2%	
PCB-179 22'33'566'-HpCB	33.24	2.77E+05	1.07 Y	0.98	0.95	-2.8%	
PCB-184 22'344'66'-HpCB	33.71	2.75E+05	1.17 Y	0.97	0.94	-3.0%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
Lab ID:	CS1_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	3.04E+05	0.95 Y	1.06	1.04	-2.1%	
PCB-186 22'34566'-HpCB	34.38	2.87E+05	1.12 Y	1.02	0.98	-3.3%	
PCB-178 22'33'55'6'-HpCB	35.55	2.26E+05	1.02 Y	0.77	0.77	0.4%	
PCB-175 22'33'45'6'-HpCB	36.09	1.97E+05	0.97 Y	0.89	0.86	-4.2%	
PCB-187 22'34'55'6'-HpCB	36.32	2.03E+05	0.90 Y	0.94	0.88	-5.7%	
PCB-182 22'344'56'-HpCB	36.49	2.11E+05	1.00 Y	0.95	0.91	-3.7%	
PCB-183 22'344'5'6'-HpCB	36.84	2.40E+05	1.19 Y	0.96	1.04	8.6%	
PCB-185 22'3455'6'-HpCB	36.91	1.74E+05	0.90 Y	0.93	0.75	-18.9%	
PCB-174 22'33'456'-HpCB	37.02	1.82E+05	1.05 Y	0.80	0.79	-1.6%	
PCB-177 22'33'4'56'-HpCB	37.39	1.84E+05	1.12 Y	0.82	0.80	-2.3%	
PCB-181 22'344'56'-HpCB	37.74	1.95E+05	1.03 Y	0.91	0.85	-7.2%	
PCB-171/173 22'33'44'6'-/22'3	37.91	3.64E+05	1.15 Y	0.81	0.79	-3.0%	
PCB-172 22'33'455'-HpCB	39.30	1.77E+05	1.08 Y	0.83	0.77	-7.2%	
PCB-192 233'455'6'-HpCB	39.55	2.43E+05	1.06 Y	1.09	1.06	-3.4%	
PCB-180/193 22'344'55'-/233'	39.83	4.39E+05	0.94 Y	1.01	0.95	-6.0%	
PCB-191 233'44'5'6'-HpCB	40.15	2.48E+05	1.07 Y	1.13	1.08	-4.9%	
PCB-170 22'33'44'5'-HpCB	40.91	1.90E+05	1.02 Y	1.00	0.97	-2.9%	
PCB-190 233'44'56'-HpCB	41.36	2.50E+05	1.17 Y	1.35	1.28	-5.3%	
PCB-202 22'33'55'66'-OcCB	37.51	2.11E+05	0.90 Y	0.83	0.75	-8.7%	
PCB-201 22'33'45'66'-OcCB	38.30	2.41E+05	0.80 Y	0.93	0.86	-7.1%	
PCB-204 22'344'566'-OcCB	38.87	2.38E+05	0.83 Y	0.89	0.85	-4.7%	
PCB-197 22'33'44'66'-OcCB	39.06	2.62E+05	0.87 Y	0.91	0.94	2.6%	
PCB-200 22'33'4566'-OcCB	39.13	2.55E+05	0.97 Y	0.93	0.91	-1.9%	
PCB-198/199 22'33'455'6'-/22'	41.49	3.65E+05	0.85 Y	0.68	0.65	-4.7%	
PCB-196 22'33'44'56'-OcCB	42.07	2.08E+05	0.94 Y	0.72	0.74	3.7%	
PCB-203 22'344'55'6'-OcCB	42.23	1.97E+05	0.96 Y	0.74	0.70	-4.4%	
PCB-195 22'33'44'56'-OcCB	43.34	1.58E+05	0.99 Y	0.81	0.79	-2.6%	
PCB-194 22'33'44'55'-OcCB	45.32	1.61E+05	0.85 Y	0.86	0.81	-6.1%	
PCB-205 233'44'55'6'-OcCB	45.72	2.15E+05	0.98 Y	1.09	1.08	-1.4%	
PCB-208 22'33'455'66'-NoCB	43.15	2.02E+05	0.82 Y	0.98	0.96	-2.1%	
PCB-207 22'33'44'566'-NoCB	43.94	2.10E+05	0.81 Y	1.02	1.00	-2.0%	
PCB-206 22'33'44'55'6'-NoCB	47.19	1.50E+05	0.81 Y	0.93	0.90	-3.4%	

AP Lab ID: CS1_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

Acq: 26-Jan-2012 17:04:43
User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

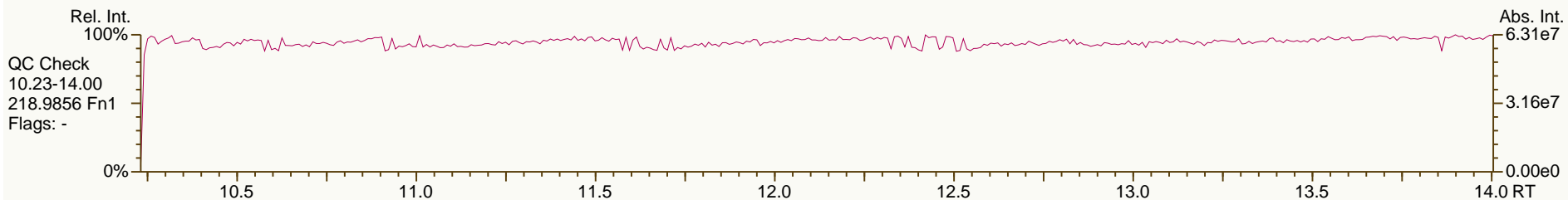
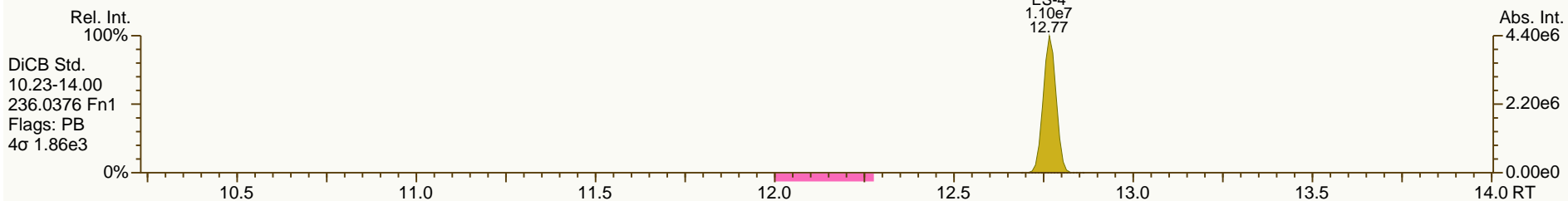
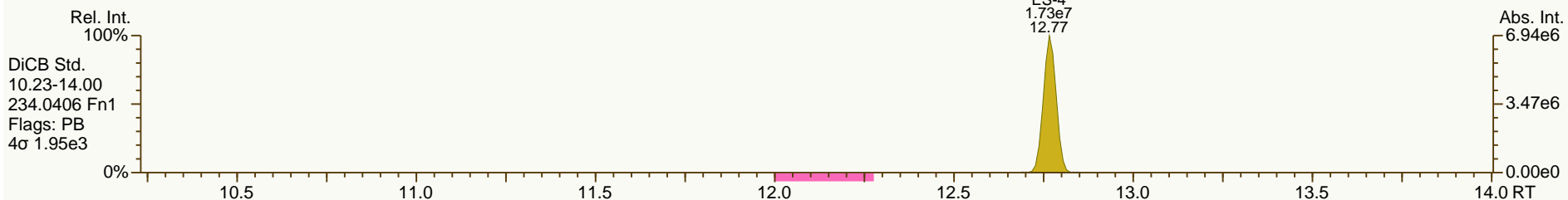
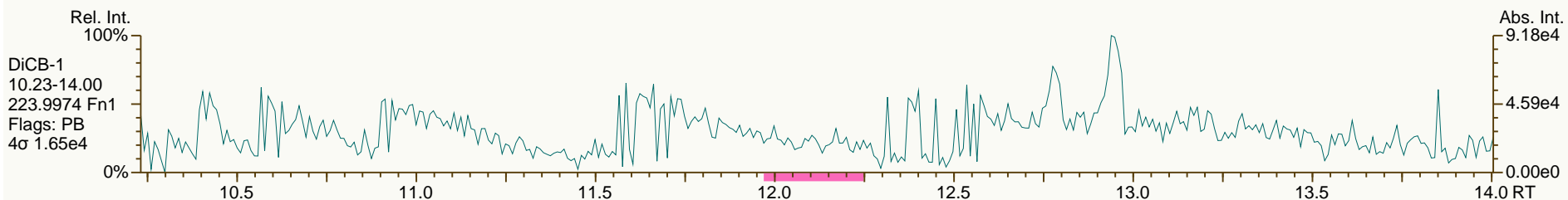
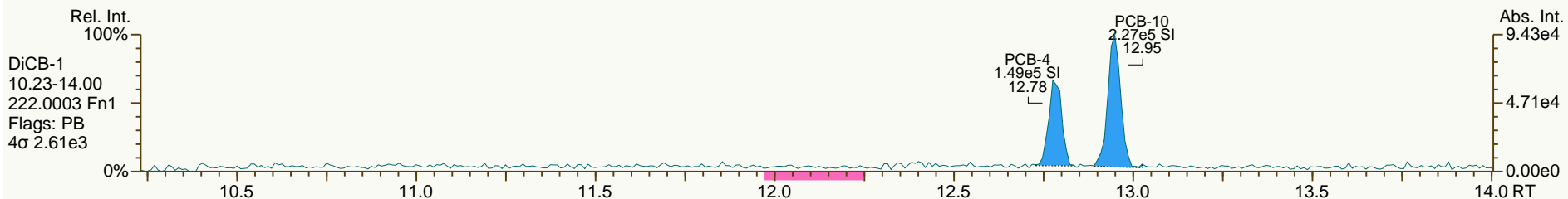
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

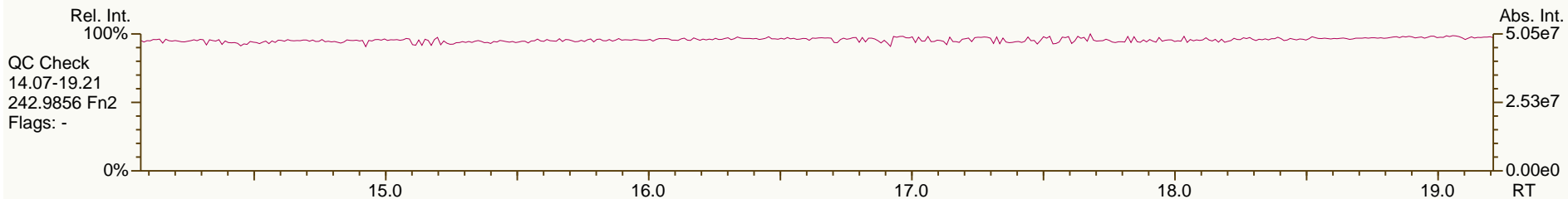
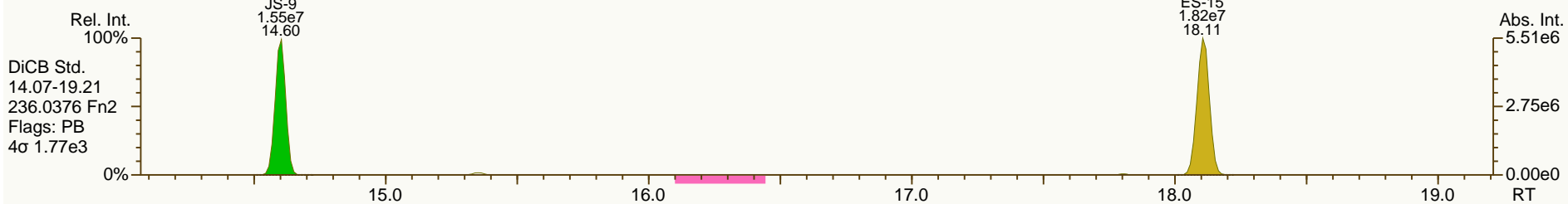
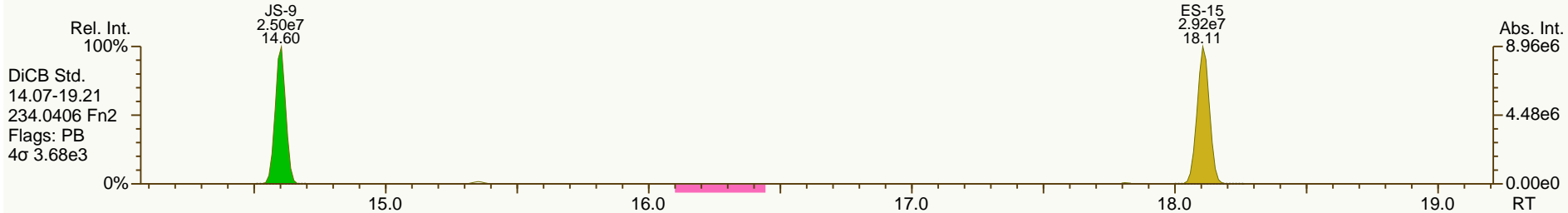
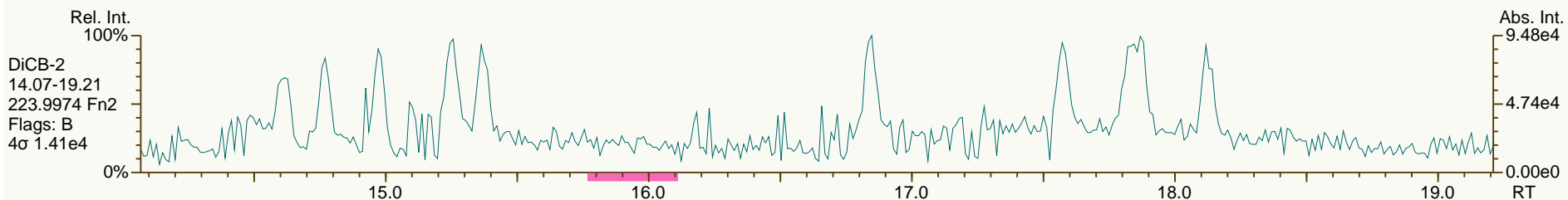
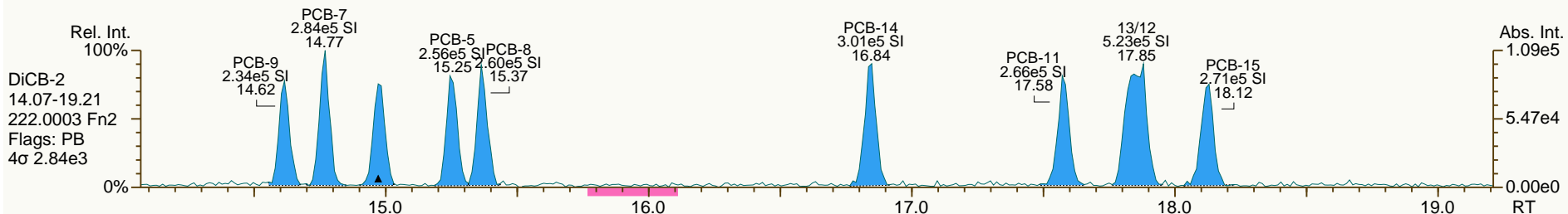
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

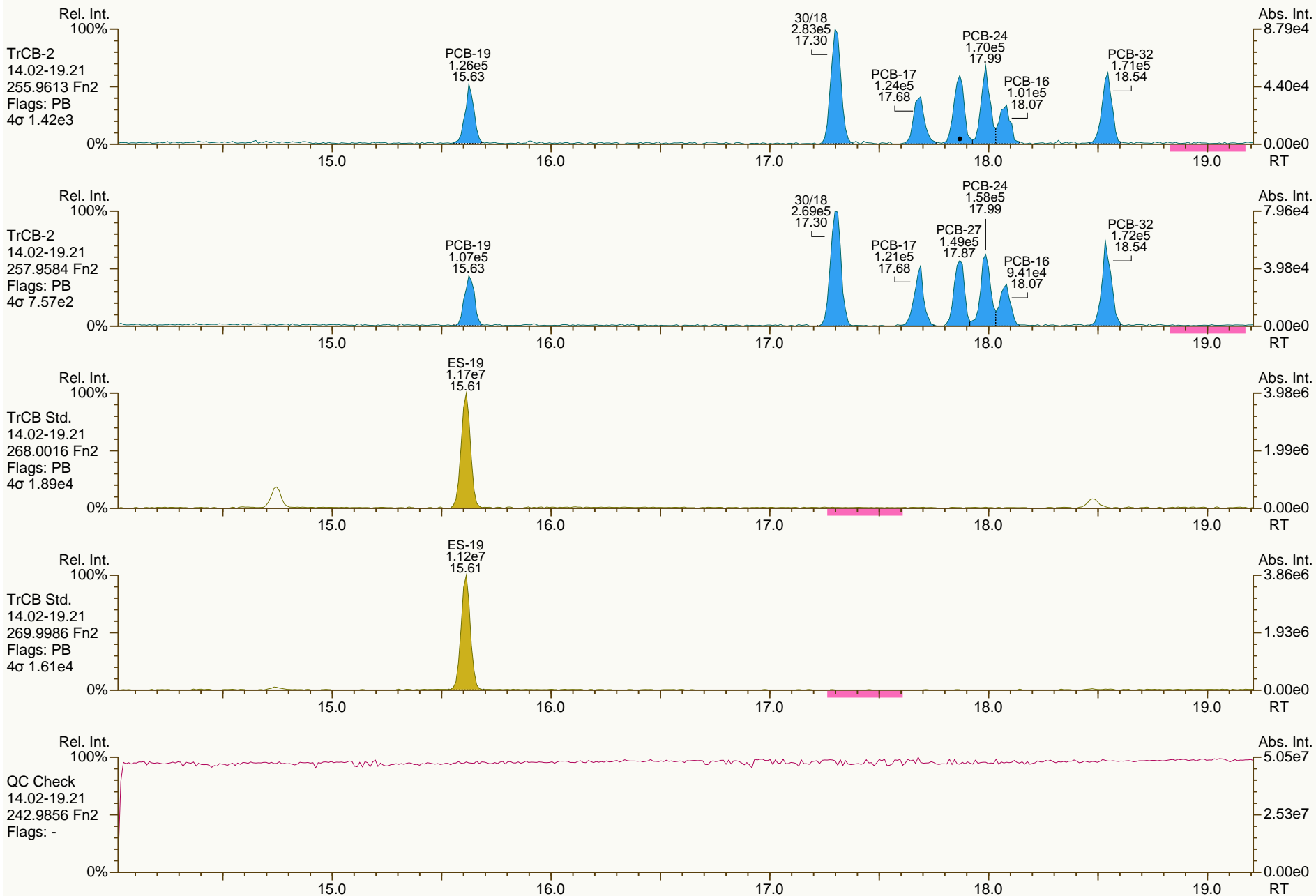
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

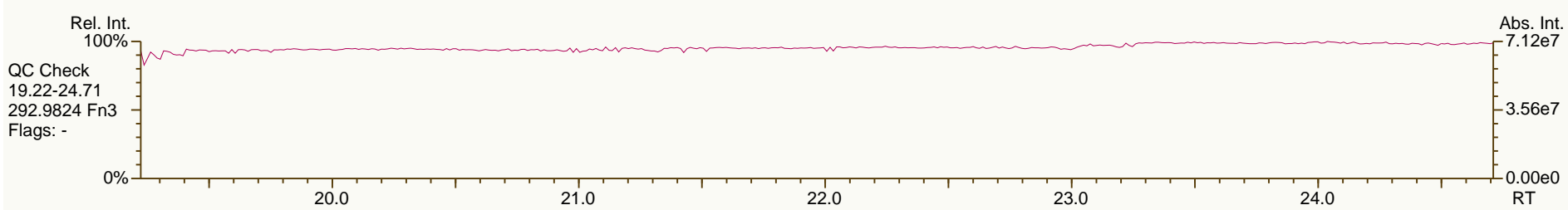
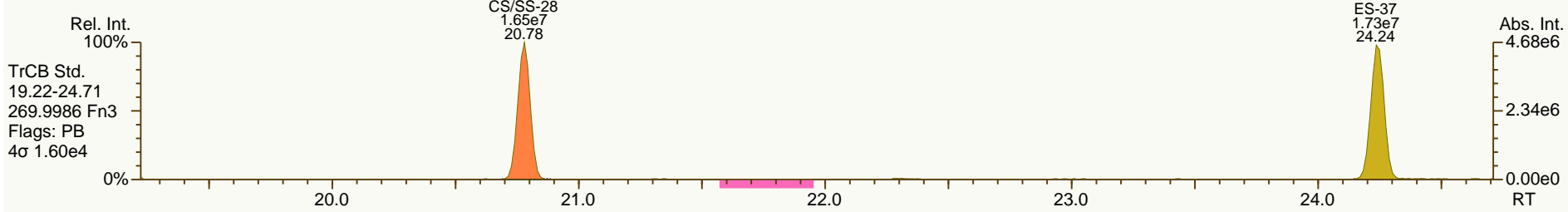
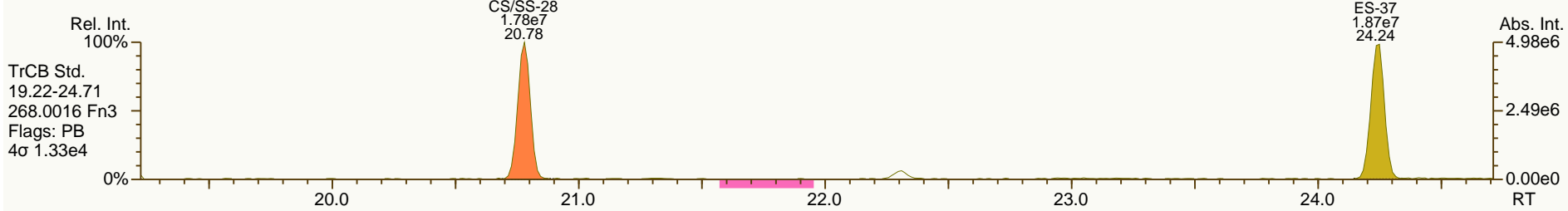
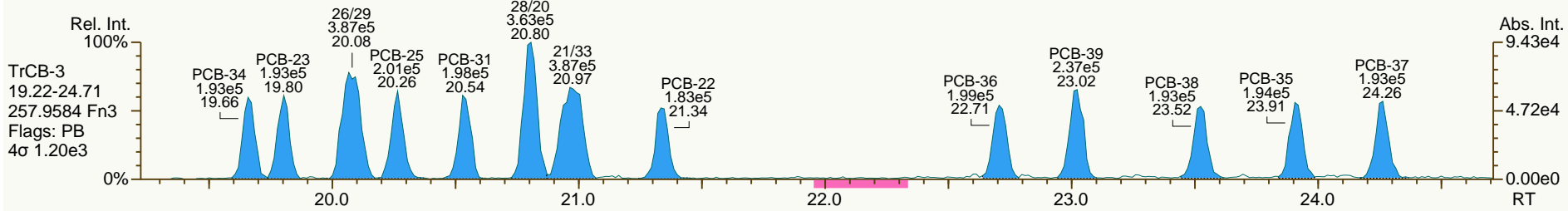
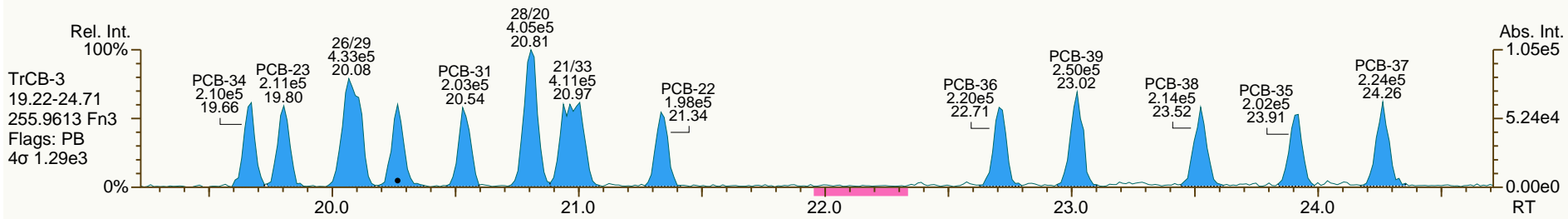
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

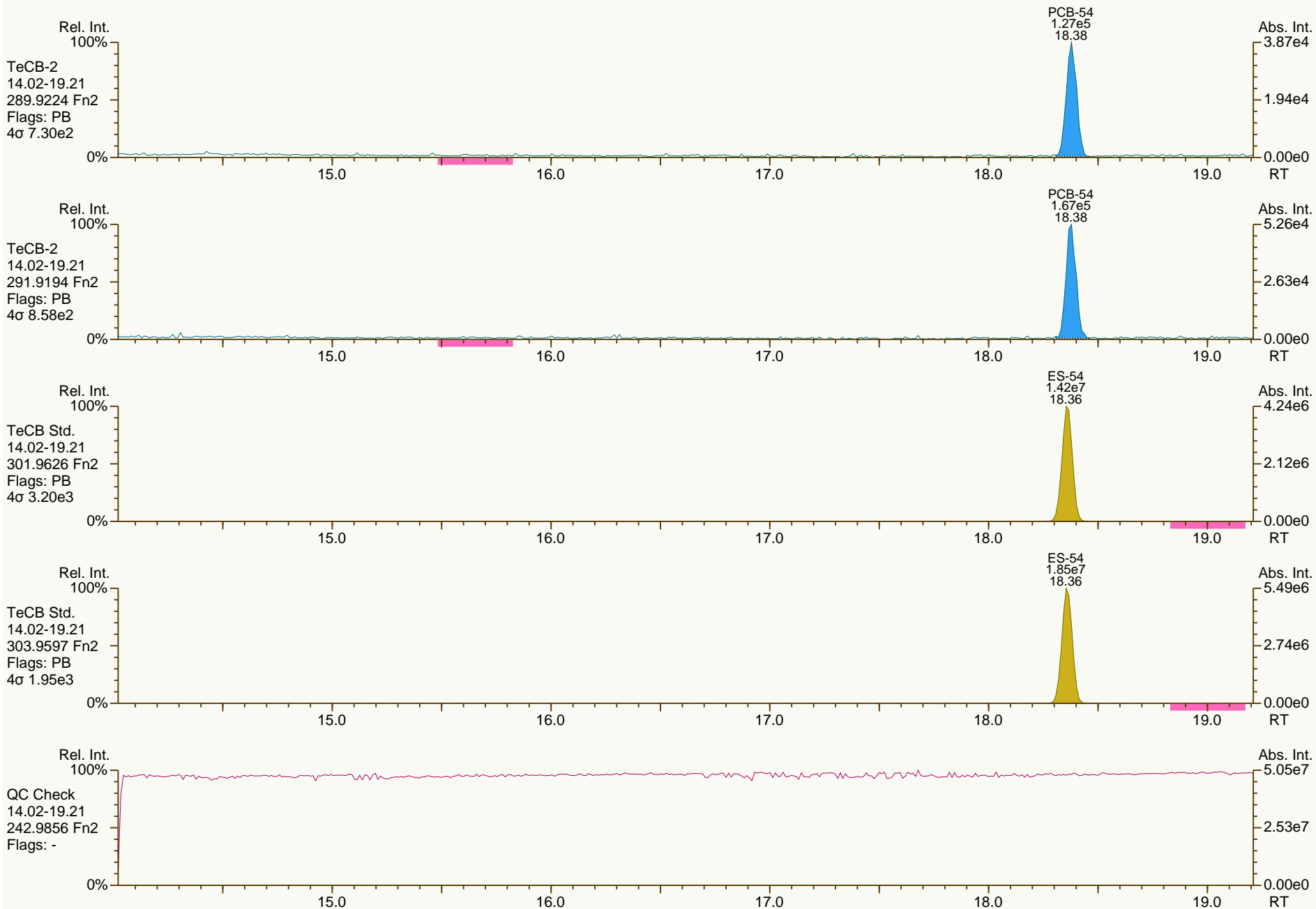
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

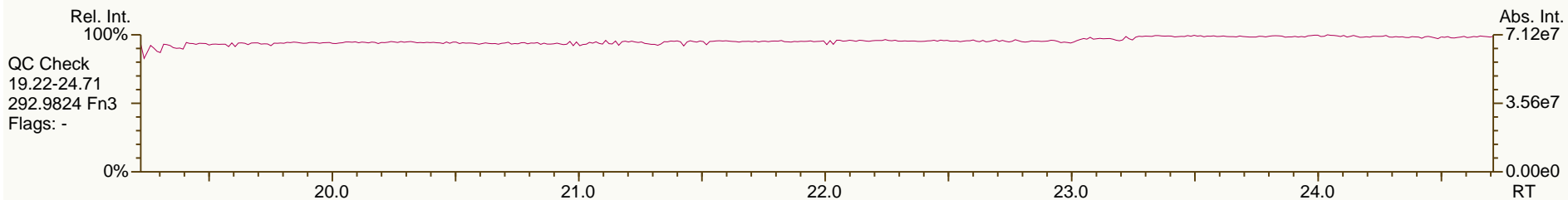
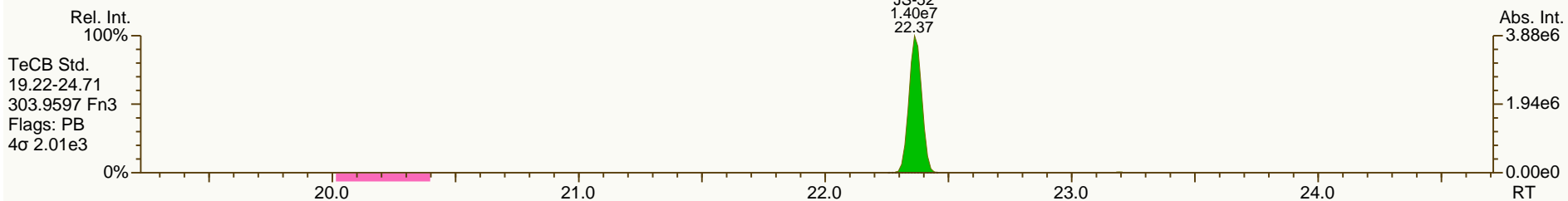
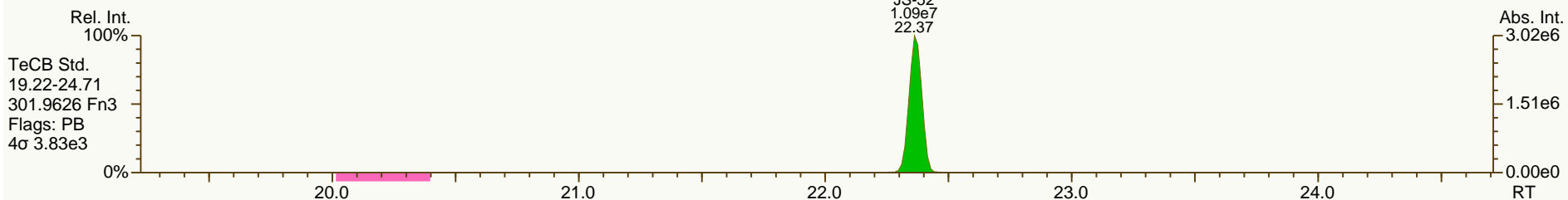
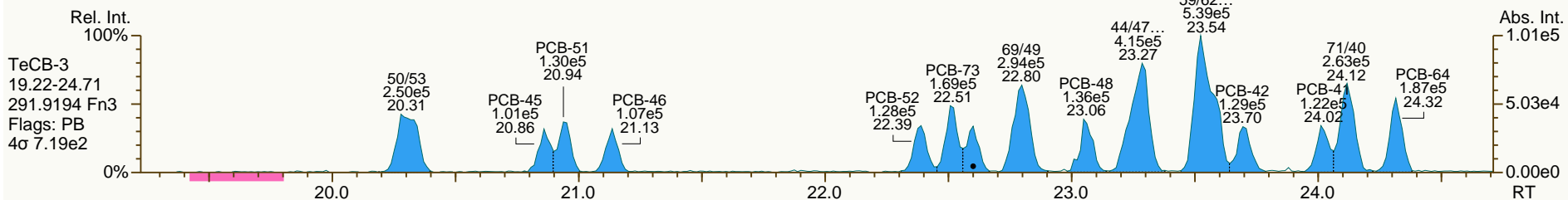
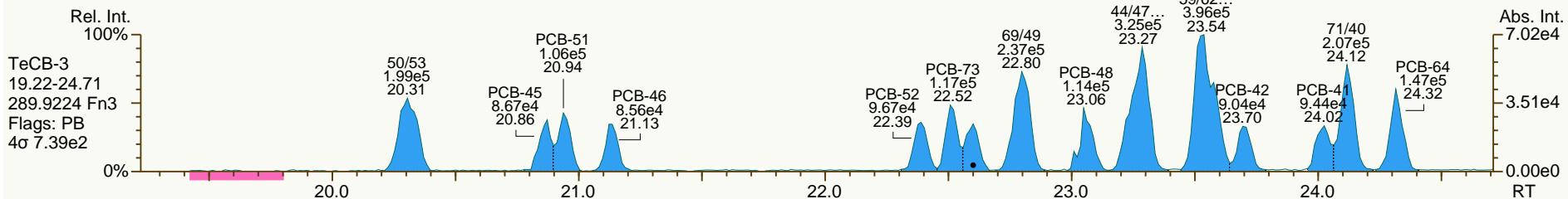
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

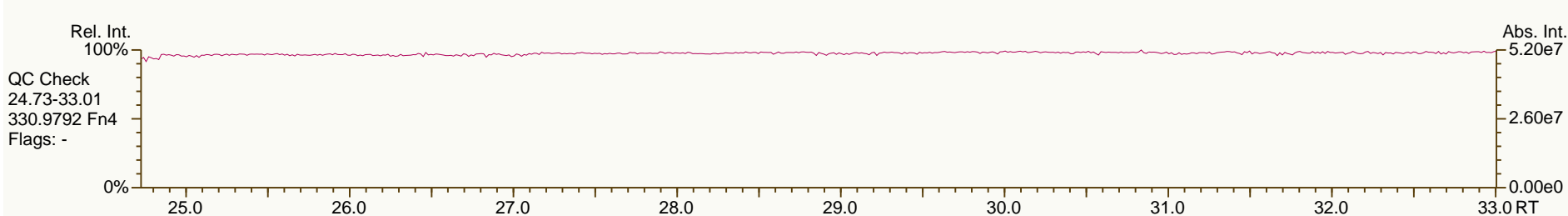
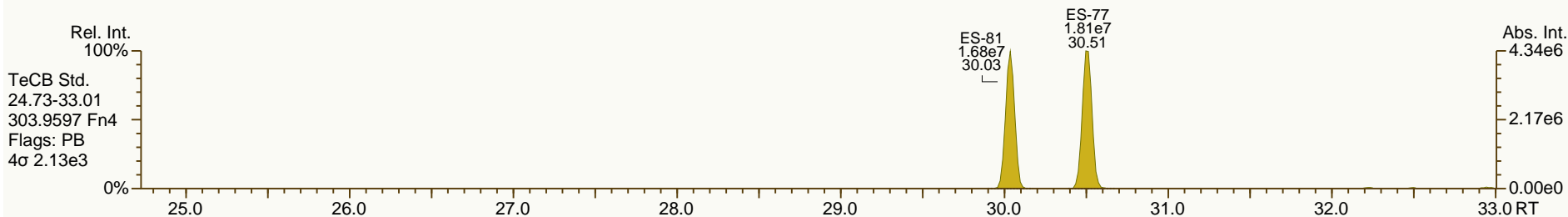
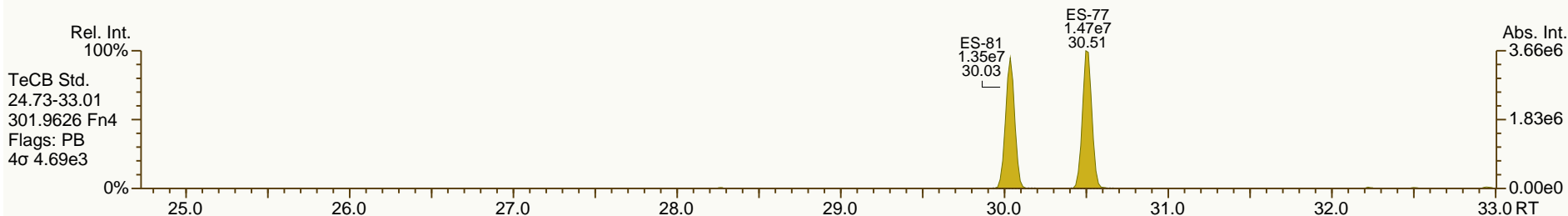
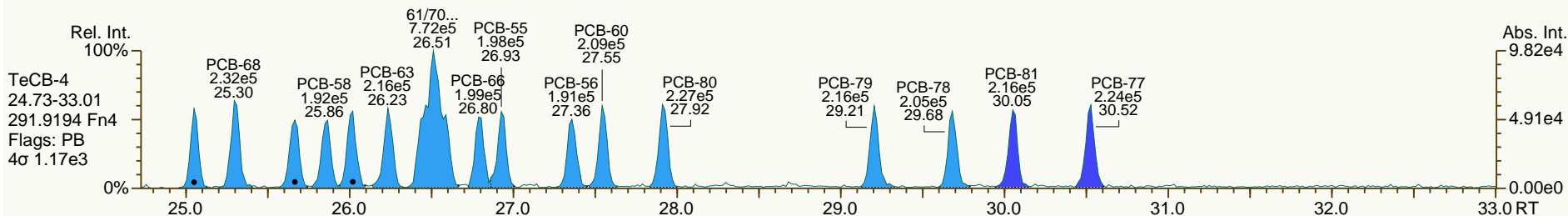
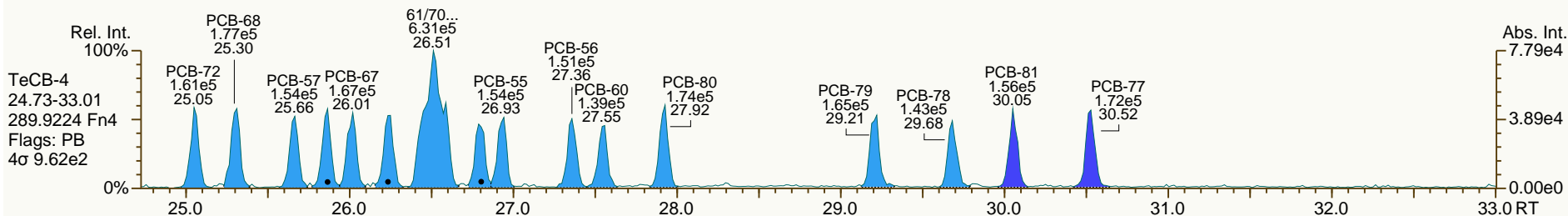
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

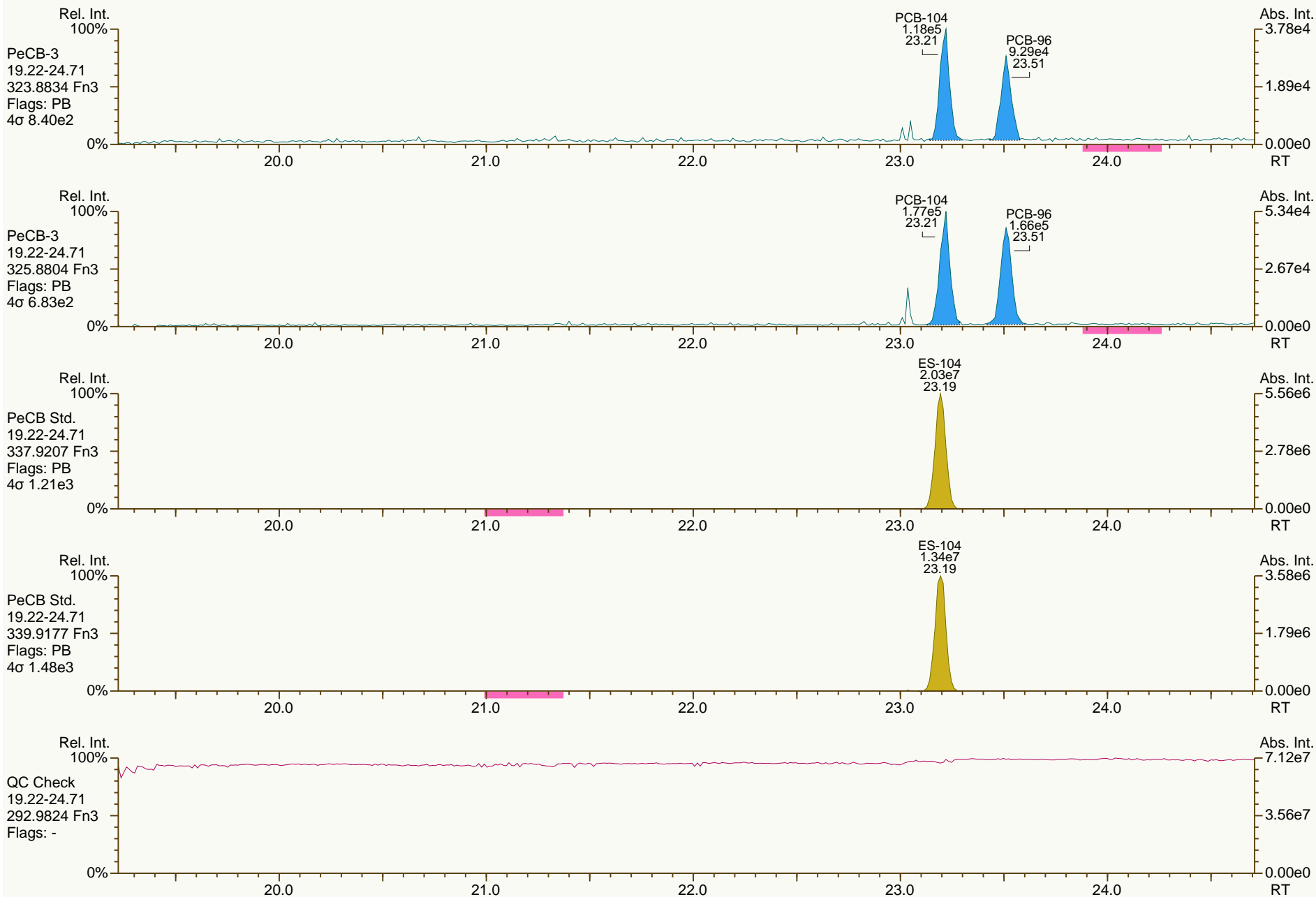
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

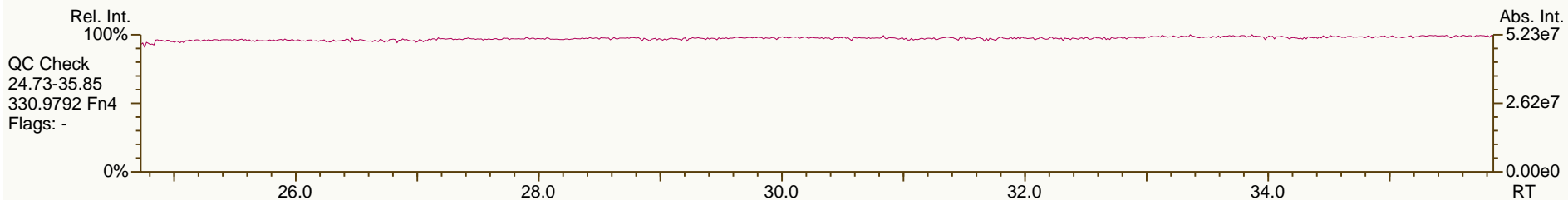
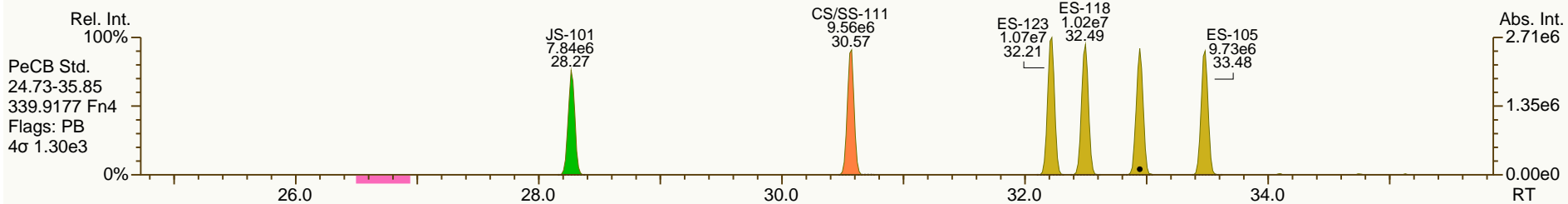
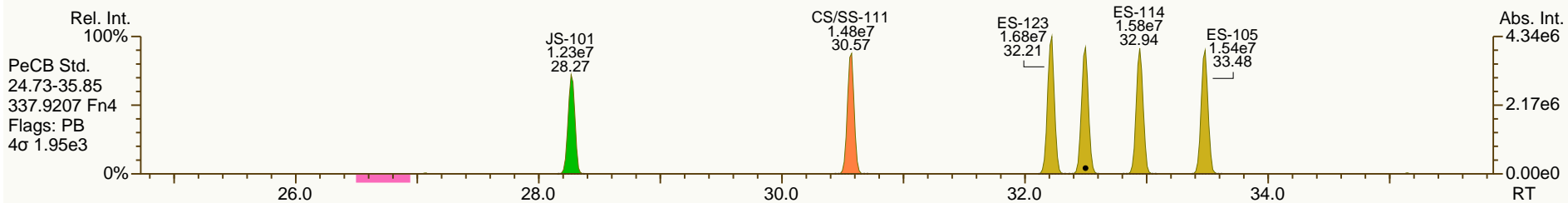
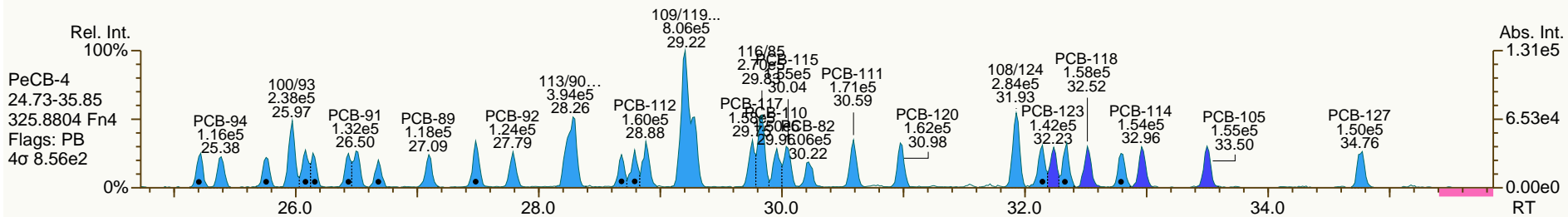
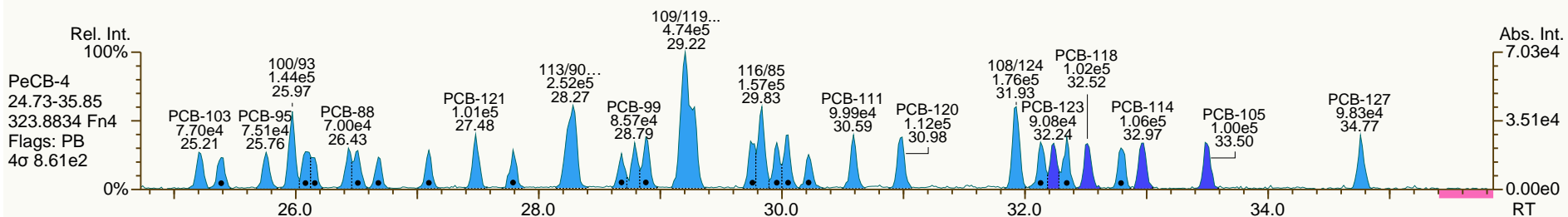
Acq: 26-Jan-2012 17:04:43
User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

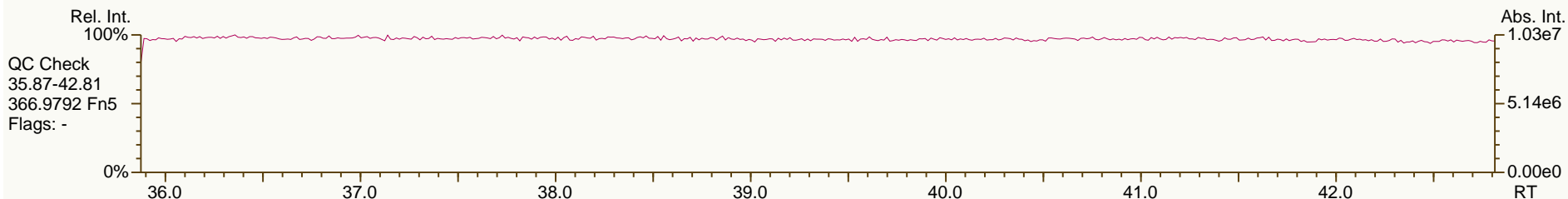
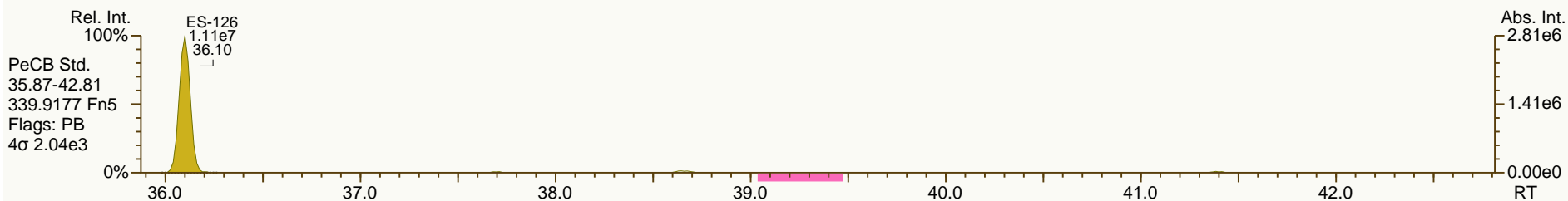
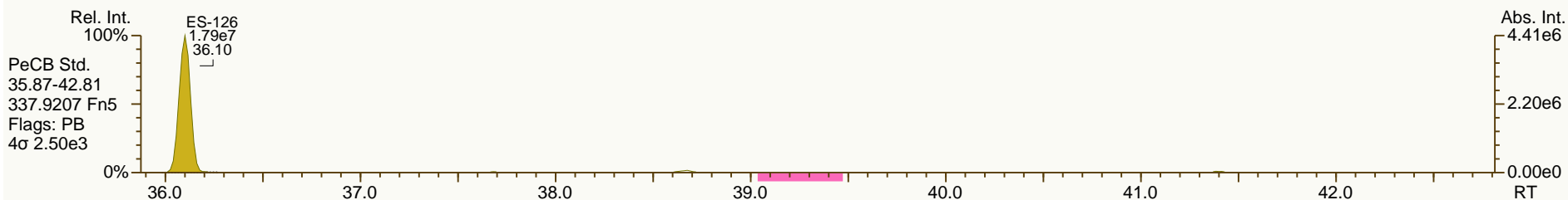
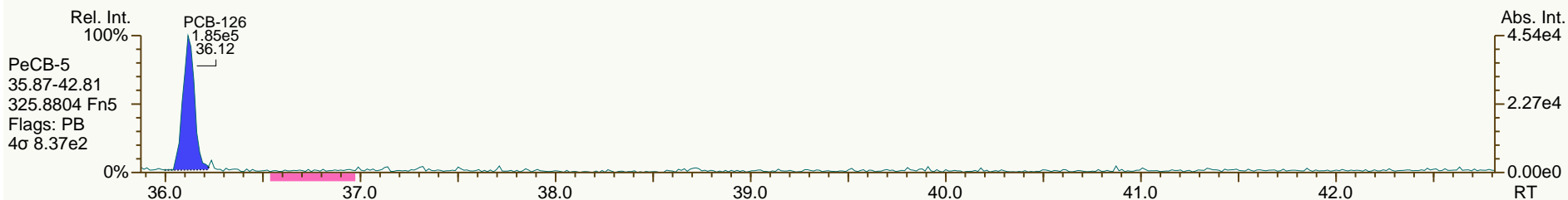
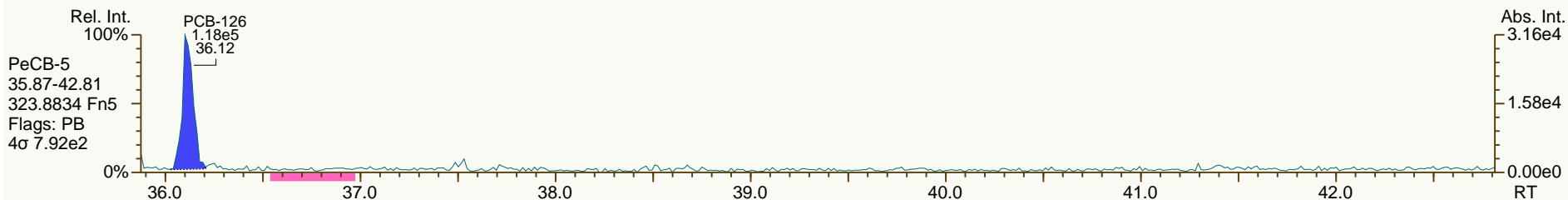
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

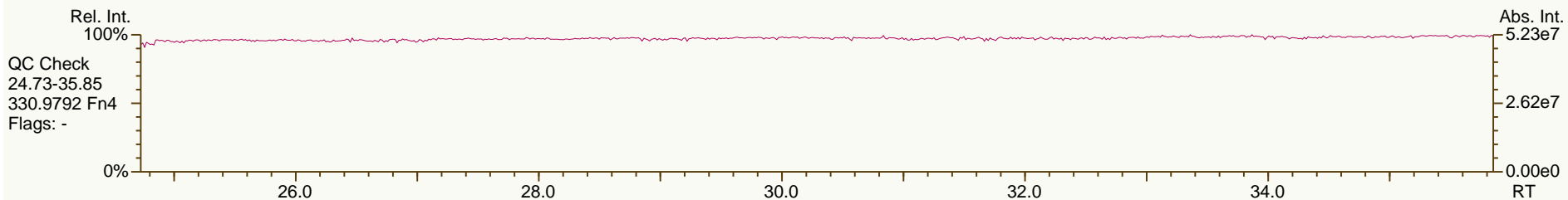
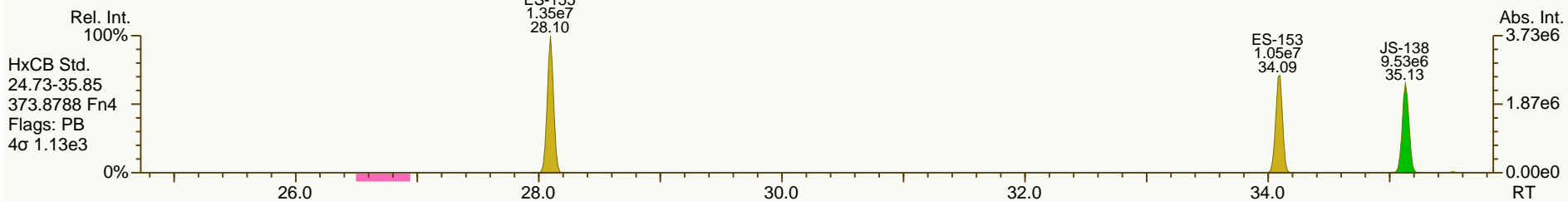
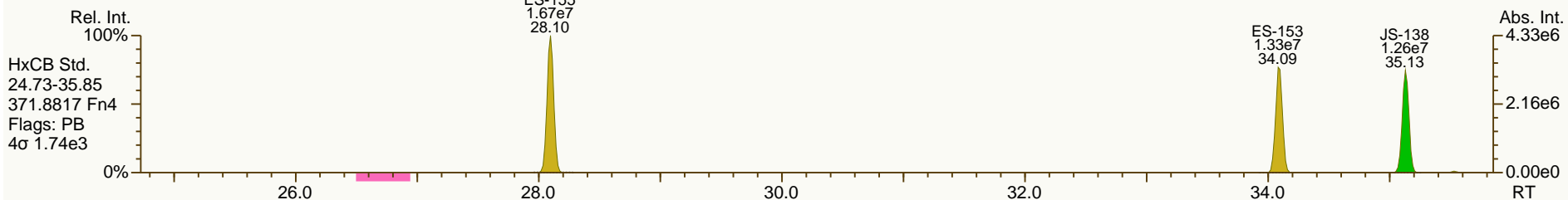
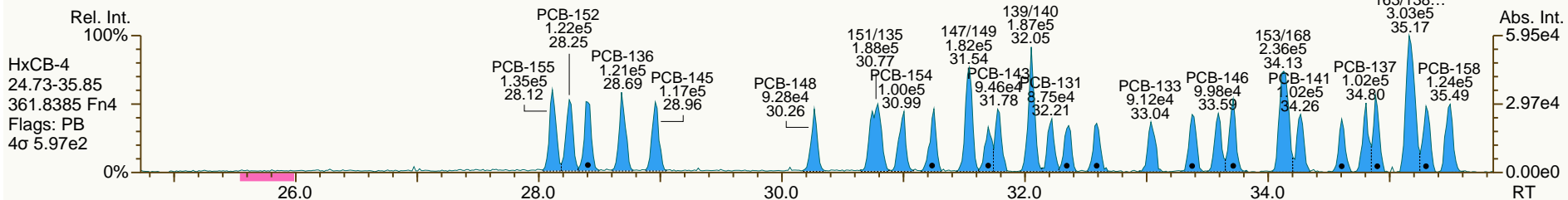
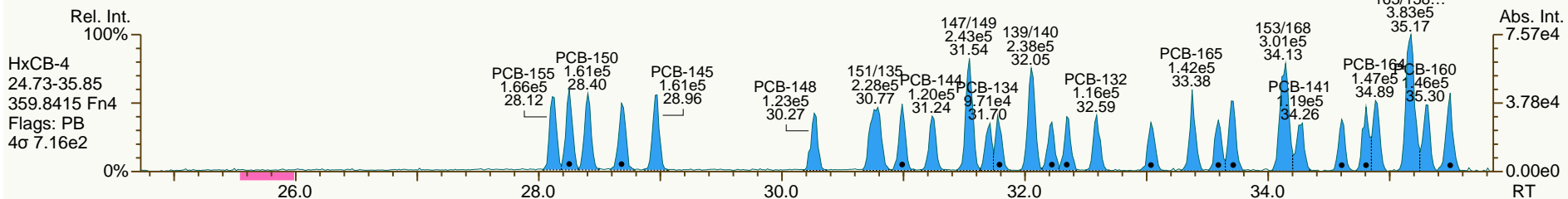
Acq: 26-Jan-2012 17:04:43
User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

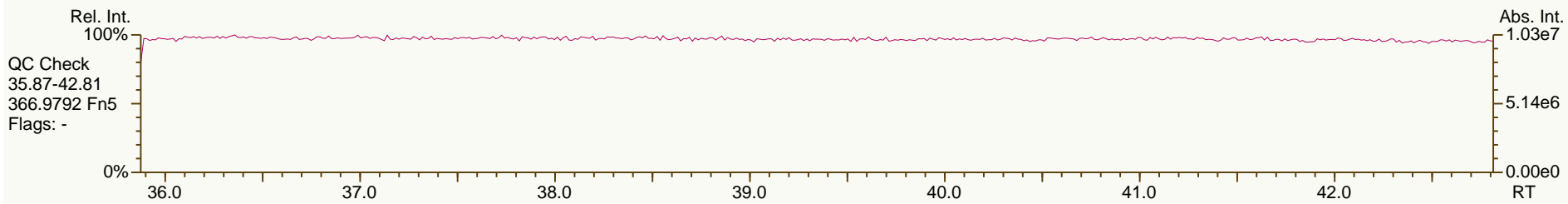
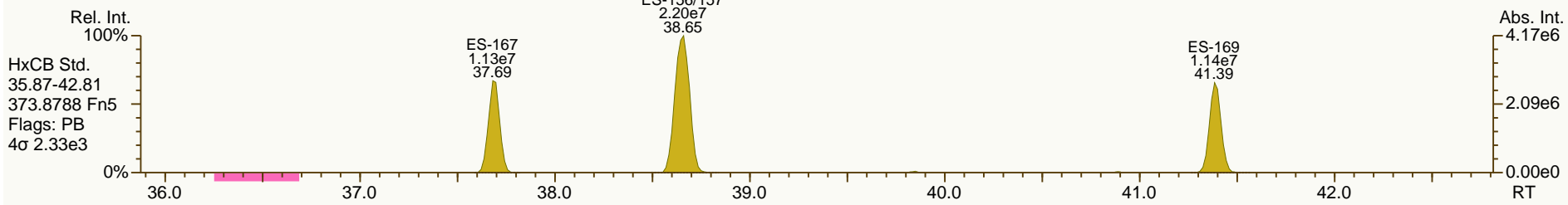
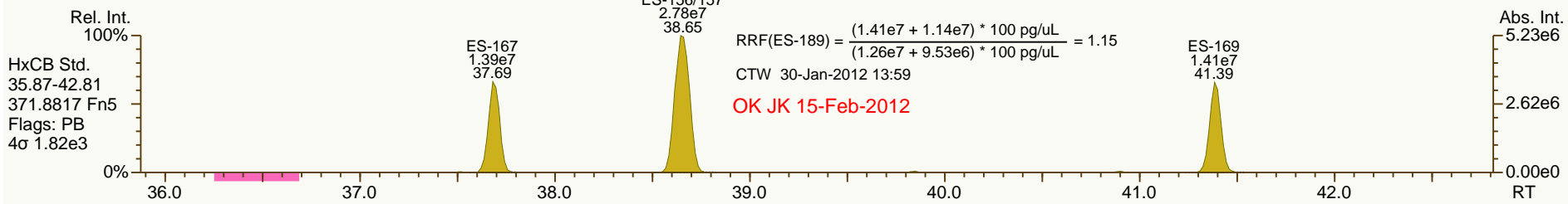
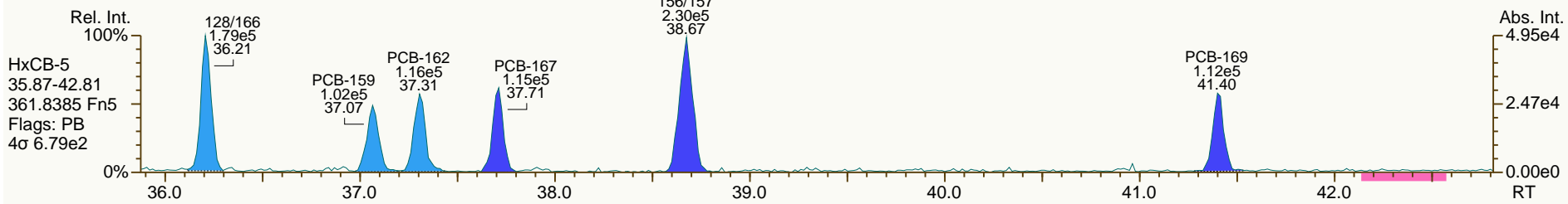
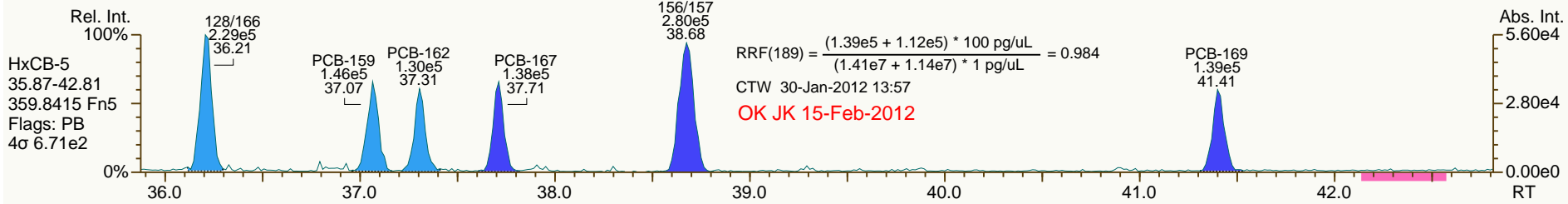
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

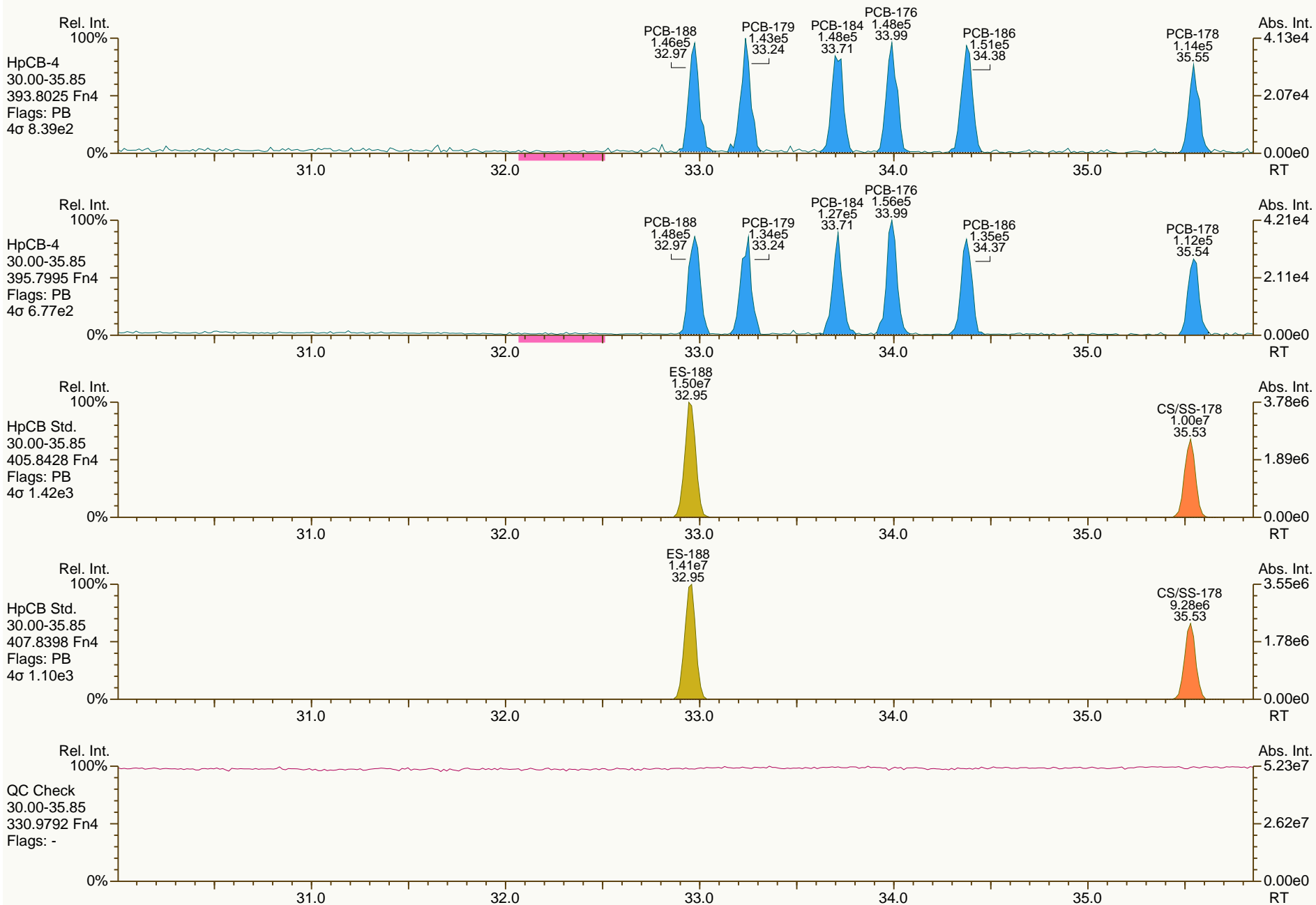
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

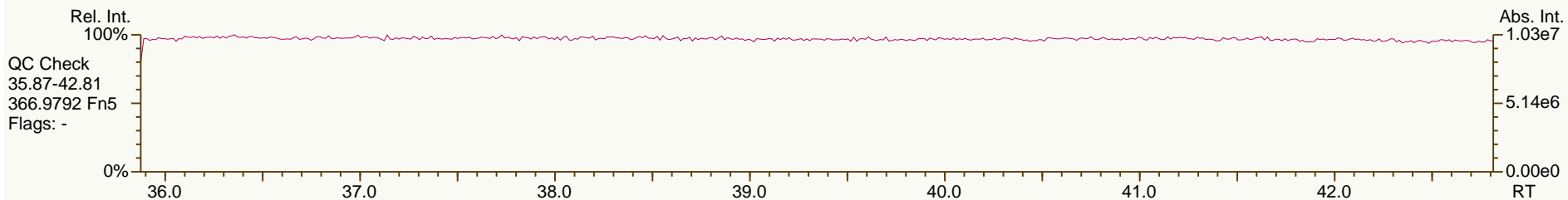
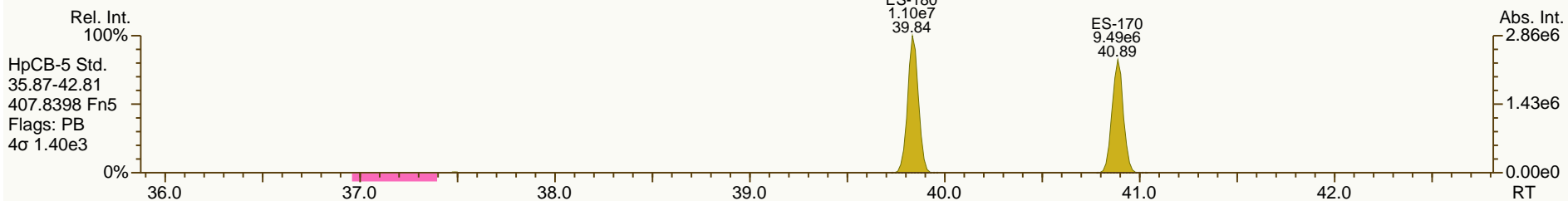
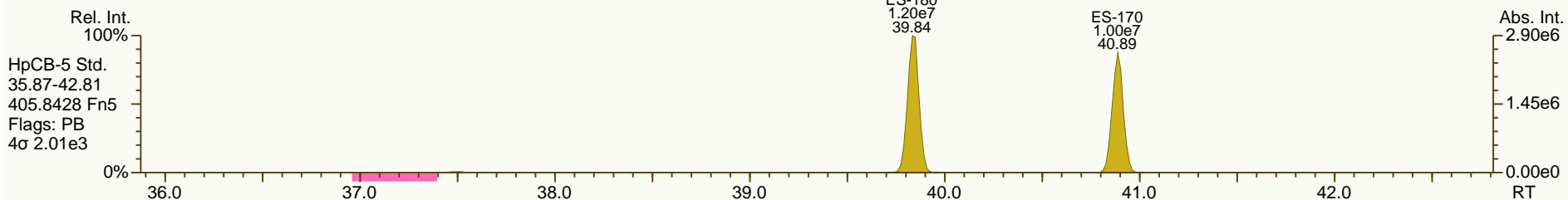
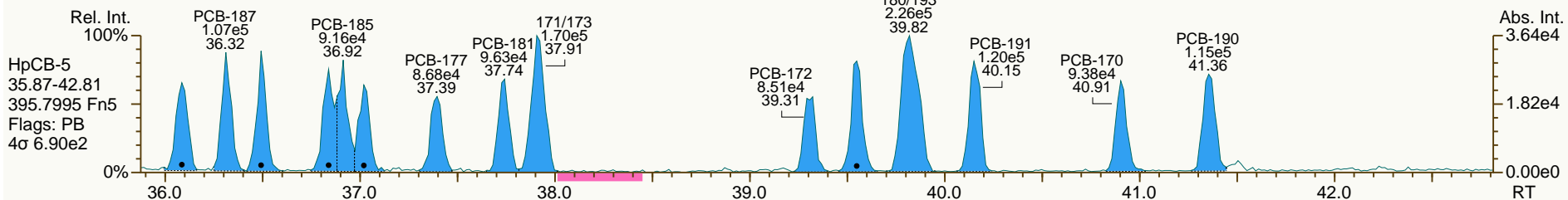
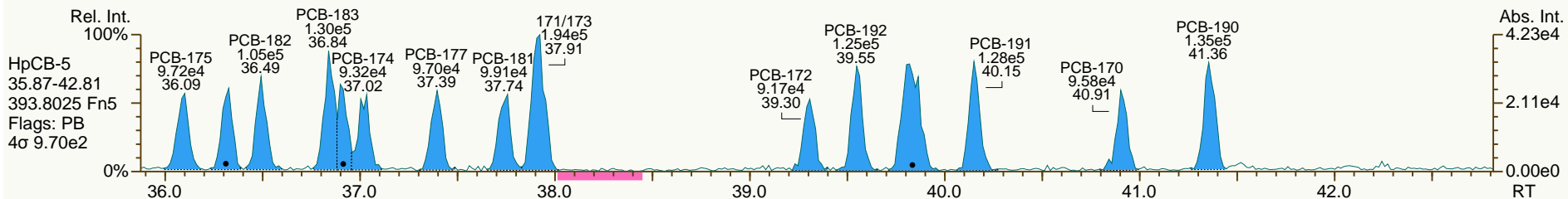
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

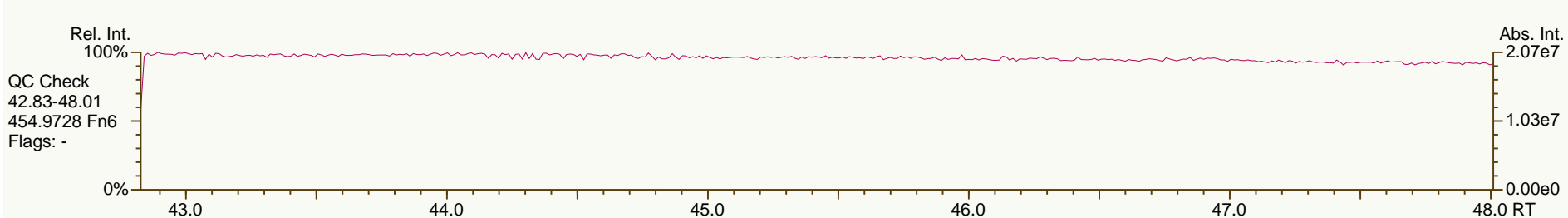
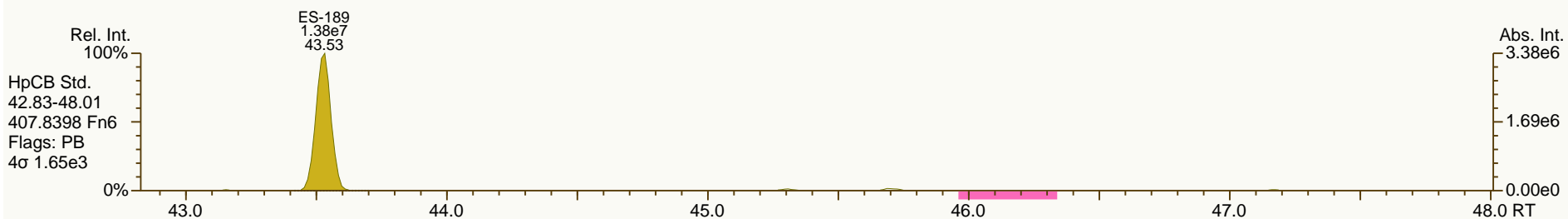
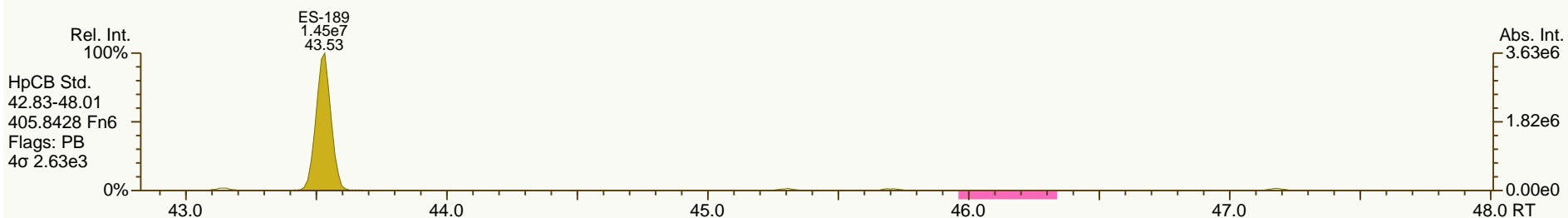
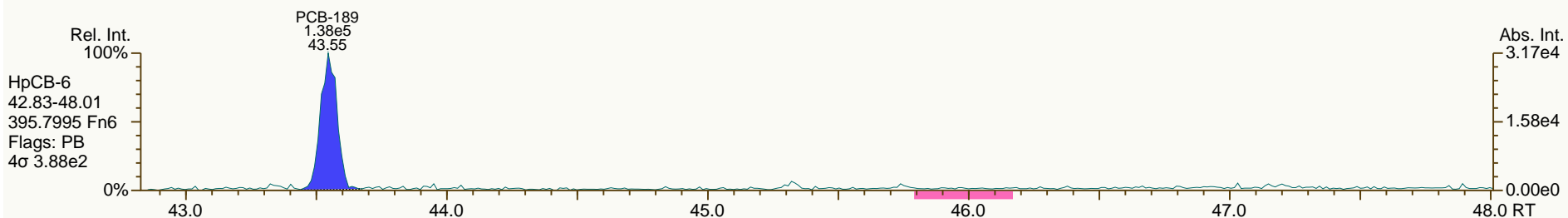
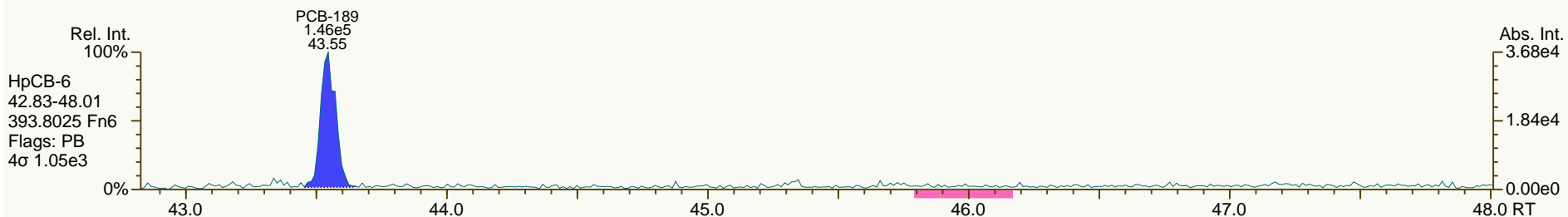
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

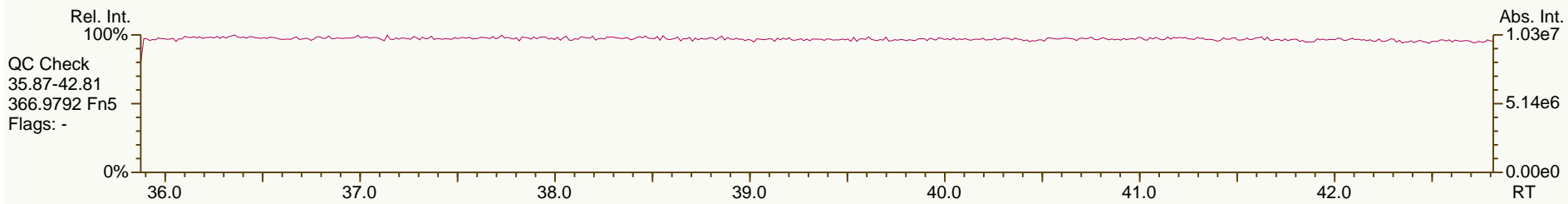
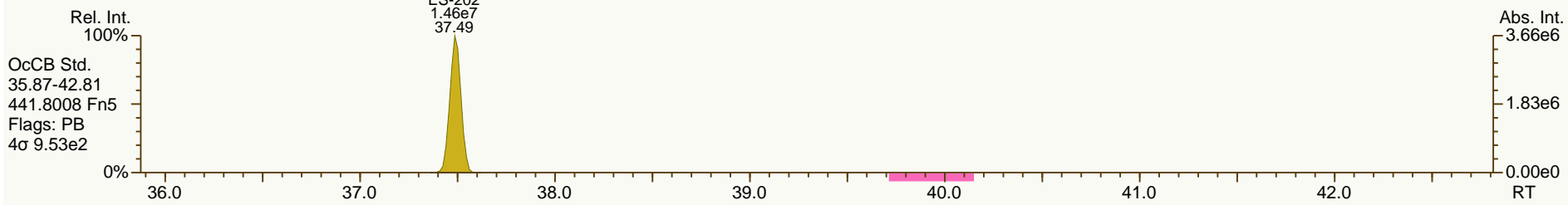
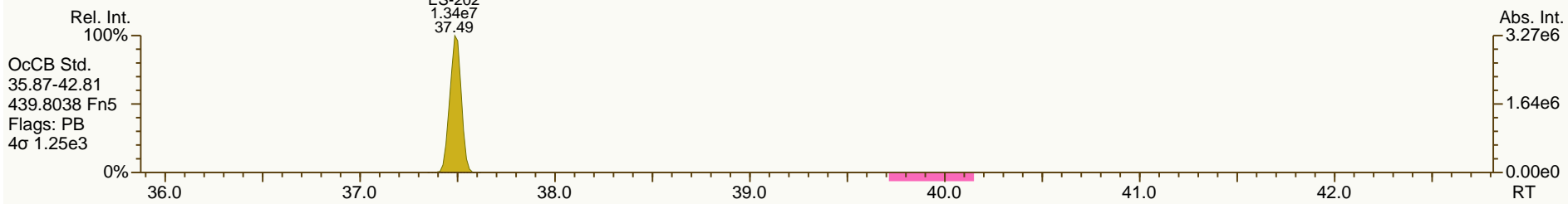
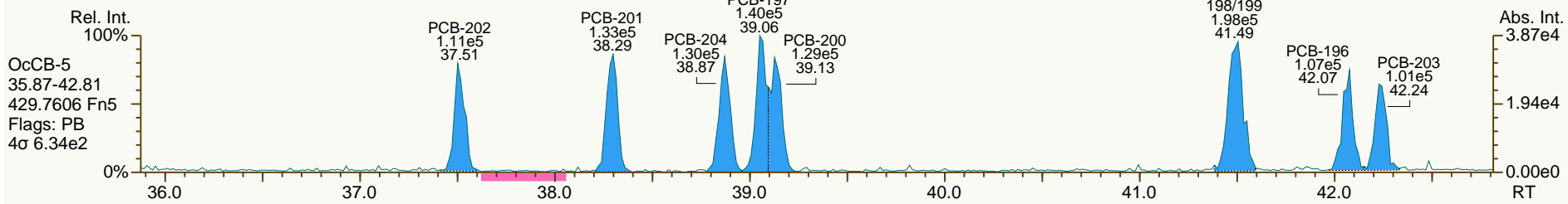
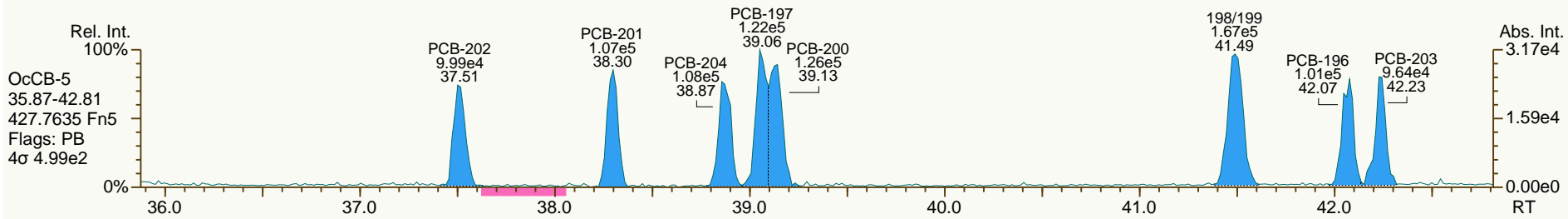
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

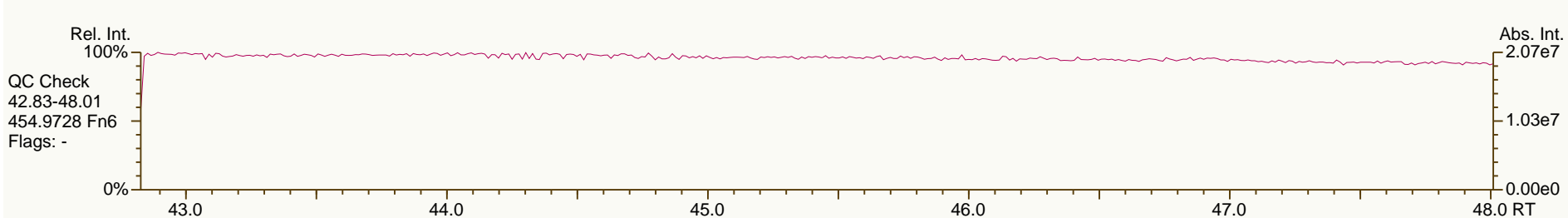
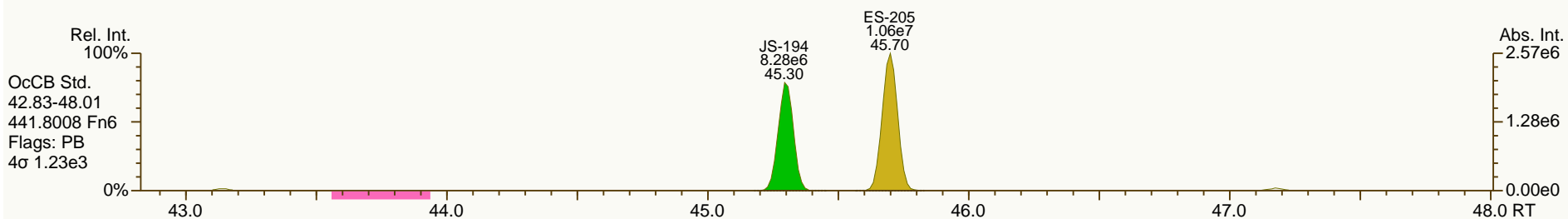
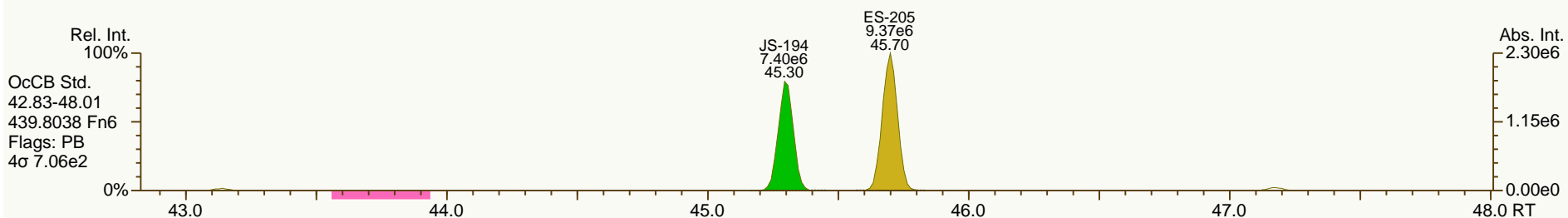
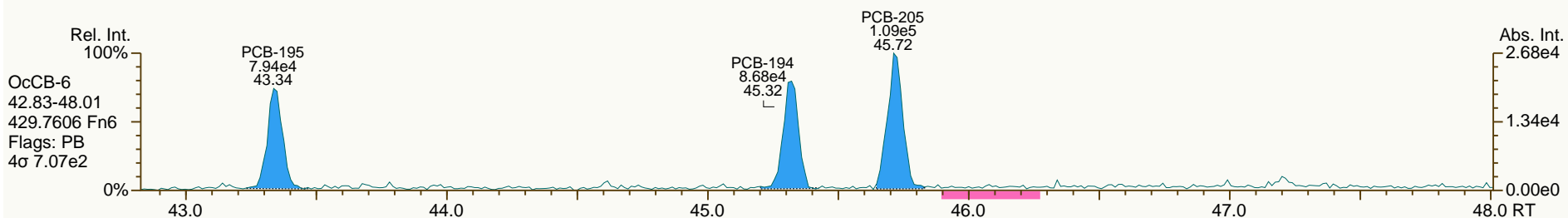
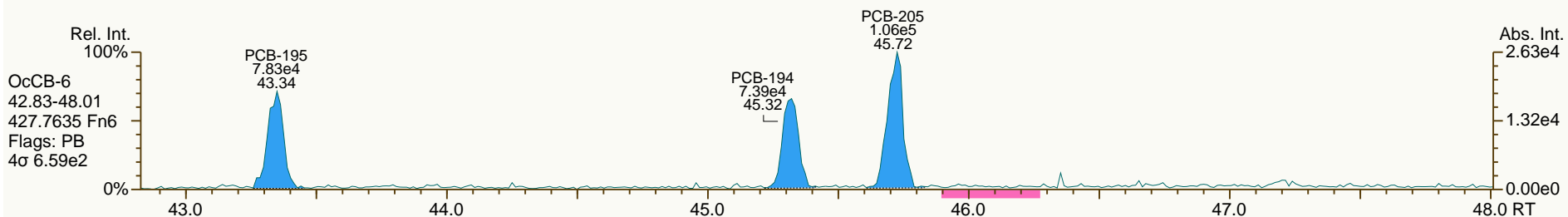
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

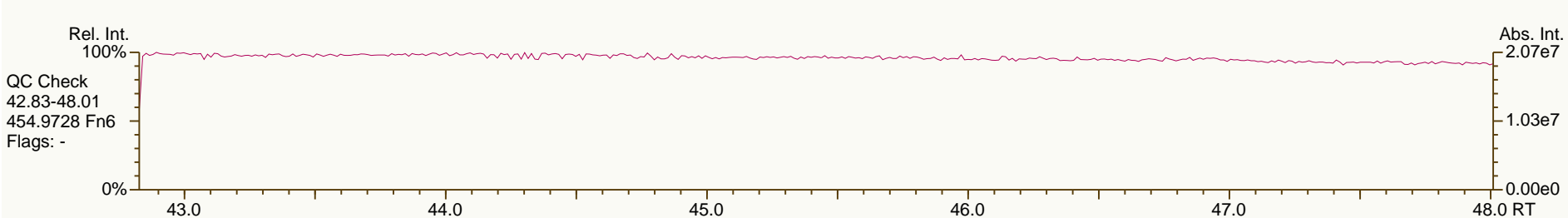
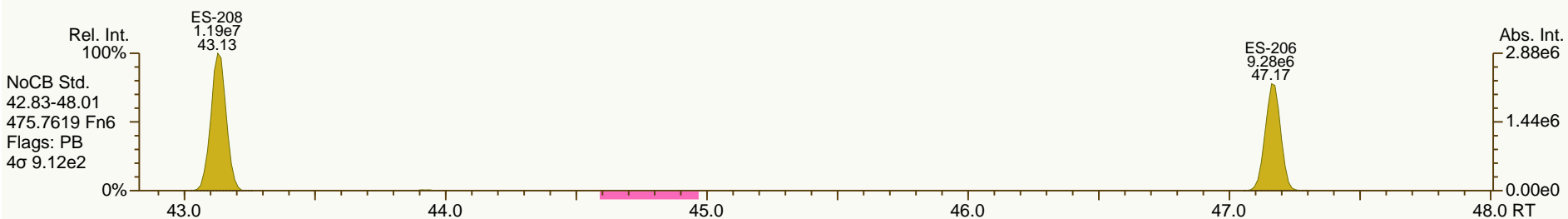
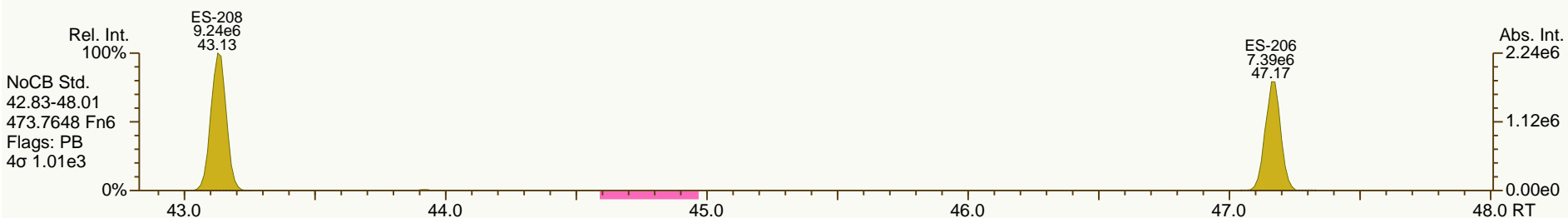
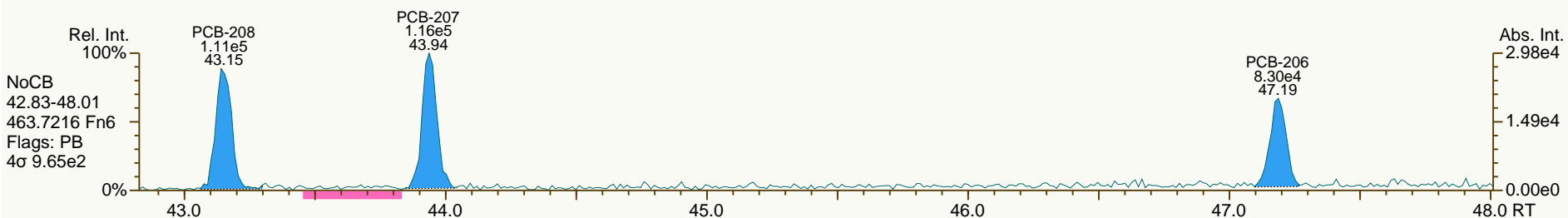
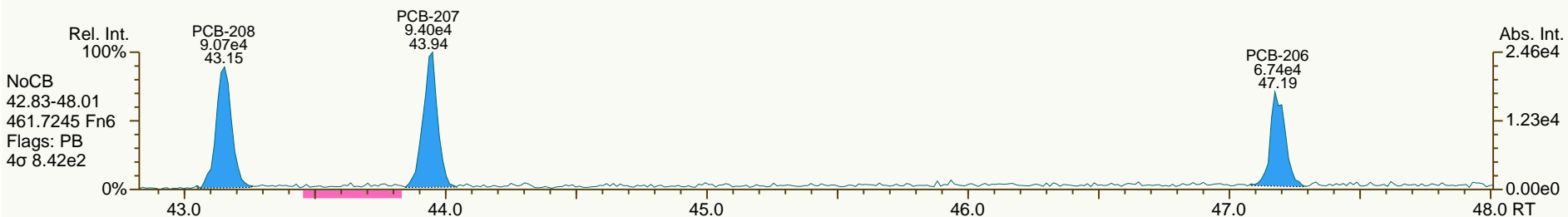
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 17:59							
Datafile:	120126S05							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.52	1.31E+06	0.77 Y	1.22	1.20	-2.4%		
PCB-81 344'5'-TeCB	30.05	1.24E+06	0.75 Y	1.24	1.20	-3.8%		
PCB-105 233'44'-PeCB	33.50	8.17E+05	0.64 Y	1.03	0.97	-6.0%		
PCB-114 2344'5'-PeCB	32.97	9.32E+05	0.62 Y	1.10	1.07	-2.5%		
PCB-118 23'44'5'-PeCB	32.52	8.41E+05	0.60 Y	1.03	0.95	-8.0%		
PCB-123 2'344'5'-PeCB	32.23	8.45E+05	0.61 Y	0.93	0.90	-2.3%		
PCB-126 33'44'5'-PeCB	36.12	1.02E+06	0.63 Y	1.11	1.09	-1.8%		
PCB-156/157 233'44'5'/233'44'5'	38.67	1.59E+06	1.24 Y	1.05	0.97	-7.3%		
PCB-167 23'44'55'-HxCB	37.71	8.63E+05	1.24 Y	1.08	1.06	-2.0%		
PCB-169 33'44'55'-HxCB	41.41	8.09E+05	1.28 Y	1.04	1.01	-3.5%		
PCB-189 233'44'55'-HpCB	43.55	9.71E+05	1.07 Y	1.11	1.07	-3.8%		
PCB-209 DeCB	48.55	6.02E+05	1.16 Y	1.05	0.99	-5.7%		
ES PCB-1	10.49	3.52E+07	3.13 Y	1.01	1.02	0.4%		
ES PCB-3	12.55	3.61E+07	3.22 Y	1.05	1.04	-1.0%		
ES PCB-4	12.77	2.39E+07	1.55 Y	0.70	0.69	-1.3%		
ES PCB-15	18.11	3.82E+07	1.61 Y	1.17	1.10	-6.0%		
ES PCB-19	15.61	1.92E+07	1.05 Y	0.57	0.55	-2.4%		
ES PCB-37	24.24	2.63E+07	1.08 Y	1.41	1.32	-6.8%		
ES PCB-54	18.36	2.70E+07	0.77 Y	1.32	1.35	2.0%		
ES PCB-77	30.51	2.19E+07	0.81 Y	1.22	1.09	-10.2%		
ES PCB-81	30.03	2.07E+07	0.80 Y	1.15	1.04	-9.9%		
ES PCB-104	23.19	2.64E+07	1.58 Y	1.69	1.80	6.8%		
ES PCB-105	33.48	1.69E+07	1.58 Y	1.21	1.16	-4.2%		
ES PCB-114	32.94	1.74E+07	1.62 Y	1.23	1.19	-3.5%		
ES PCB-118	32.49	1.77E+07	1.54 Y	1.25	1.21	-3.0%		
ES PCB-123	32.21	1.87E+07	1.59 Y	1.33	1.28	-3.7%		
ES PCB-126	36.10	1.87E+07	1.61 Y	1.36	1.28	-6.0%		
ES PCB-153	34.09	1.58E+07	1.30 Y	1.09	1.08	-0.1%		
ES PCB-155	28.10	2.15E+07	1.22 Y	1.40	1.48	5.3%		
ES PCB-156/157	38.65	3.28E+07	1.27 Y	1.13	1.13	-0.5%		
ES PCB-167	37.69	1.63E+07	1.26 Y	1.13	1.12	-1.0%		
ES PCB-169	41.39	1.61E+07	1.27 Y	1.14	1.10	-3.5%		
ES PCB-170	40.89	1.26E+07	1.04 Y	1.23	1.21	-1.6%		
ES PCB-180	39.84	1.52E+07	1.09 Y	1.46	1.46	-0.6%		
ES PCB-188	32.95	1.96E+07	1.04 Y	1.34	1.35	0.4%		
ES PCB-189	43.53	1.82E+07	1.05 Y	1.77	1.75	-1.0%		
ES PCB-202	37.49	1.85E+07	0.92 Y	1.27	1.27	-0.3%		
ES PCB-205	45.70	1.27E+07	0.88 Y	1.25	1.22	-2.1%		
ES PCB-206	47.17	1.10E+07	0.78 Y	1.07	1.06	-1.1%		
ES PCB-208	43.13	1.39E+07	0.78 Y	1.34	1.34	-0.1%		
ES PCB-209	48.53	1.22E+07	1.21 Y	1.18	1.17	-1.2%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	2.72E+07	1.08 Y	0.98	1.03	5.3%	
SS PCB-111	30.57	1.72E+07	1.57 Y	0.90	0.92	2.5%	
SS PCB-178	35.53	1.27E+07	1.03 Y	0.65	0.65	-0.3%	
CS PCB-28	20.78	2.72E+07	1.08 Y	1.39	1.36	-1.8%	
CS PCB-111	30.57	1.72E+07	1.57 Y	1.19	1.18	-1.3%	
CS PCB-178	35.53	1.27E+07	1.03 Y	0.87	0.87	0.1%	
JS PCB-9	14.60	3.47E+07	1.62 Y	-	-	-	
JS PCB-52	22.37	2.00E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	1.46E+07	1.59 Y	-	-	-	
JS PCB-138	35.13	1.46E+07	1.25 Y	-	-	-	
JS PCB-194	45.30	1.04E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.50	2.03E+06	3.16 Y	1.20	1.15	-3.7%	
PCB-3 4-MoCB	12.56	2.01E+06	3.19 Y	1.13	1.11	-1.7%	
PCB-4 22'-DiCB	12.78	1.12E+06	0.00 S	0.94	0.94	-0.9%	
PCB-15 44'-DiCB	18.12	1.94E+06	1.45 Y	1.01	1.02	1.3%	
PCB-19 22'6-TrCB	15.63	9.39E+05	1.05 Y	1.01	0.98	-3.2%	
PCB-37 344'-TrCB	24.26	1.54E+06	1.00 Y	1.20	1.17	-2.1%	
PCB-54 22'66'-TeCB	18.38	1.25E+06	0.81 Y	0.93	0.93	-0.3%	
PCB-104 22'466'-PeCB	23.21	1.15E+06	0.62 Y	0.92	0.87	-5.1%	
PCB-153 22'44'55' -HxCB	34.13	1.72E+06	1.21 Y	1.15	1.09	-5.0%	
PCB-155 22'44'66'-HxCB	28.12	1.11E+06	1.28 Y	1.06	1.03	-2.5%	
PCB-170 22'33'44'5-HpCB	40.91	6.07E+05	1.05 Y	1.00	0.96	-3.6%	
PCB-180 22'344'55'-HpCB	39.83	1.49E+06	1.12 Y	1.01	0.98	-2.9%	
PCB-188 22'34'566'-HpCB	32.97	1.04E+06	1.10 Y	1.07	1.06	-0.8%	
PCB-202 22'33'55'66'-OcCB	37.51	7.40E+05	0.89 Y	0.83	0.80	-3.0%	
PCB-205 233'44'55'6-OcCB	45.72	6.65E+05	0.86 Y	1.09	1.04	-4.4%	
PCB-208 22'33'455'66'-NoCB	43.15	6.40E+05	0.82 Y	0.98	0.92	-5.7%	
PCB-206 22'33'44'55'6-NoCB	47.19	4.98E+05	0.79 Y	0.93	0.91	-3.0%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	2.03E+06	3.16 Y	1.20	1.15	-3.7%	
PCB-2 3-MoCB	12.39	2.01E+06	3.17 Y	1.13	1.11	-1.5%	
PCB-3 4-MoCB	12.56	2.01E+06	3.19 Y	1.13	1.11	-1.7%	
PCB-4 22'-DiCB	12.78	1.12E+06	0.00 S	0.94	0.94	-0.9%	
PCB-10 26-DiCB	12.95	1.71E+06	1.49 Y	1.43	1.43	0.2%	
PCB-9 25-DiCB	14.62	1.72E+06	1.52 Y	0.87	0.90	3.8%	
PCB-7 24-DiCB	14.77	2.10E+06	1.33 Y	1.00	1.10	9.5%	
PCB-6 23'-DiCB	14.98	1.91E+06	1.40 Y	0.94	1.00	6.8%	
PCB-5 23-DiCB	15.25	1.87E+06	1.37 Y	0.92	0.98	6.4%	
PCB-8 24'-DiCB	15.37	1.88E+06	1.50 Y	0.95	0.99	3.9%	
PCB-14 35-DiCB	16.84	2.10E+06	1.49 Y	1.09	1.10	0.4%	
PCB-11 33'-DiCB	17.58	1.81E+06	1.47 Y	0.98	0.95	-2.8%	
PCB-13/12 34'-/34-DiCB	17.85	3.64E+06	1.53 Y	0.97	0.95	-1.7%	
PCB-15 44'-DiCB	18.12	1.94E+06	1.45 Y	1.01	1.02	1.3%	
PCB-19 22'6-TrCB	15.63	9.39E+05	1.05 Y	1.01	0.98	-3.2%	
PCB-30/18 246-/22'5-TrCB	17.30	2.43E+06	1.04 Y	1.29	1.27	-1.9%	
PCB-17 22'4-TrCB	17.68	1.06E+06	1.03 Y	1.14	1.11	-2.6%	
PCB-27 23'6-TrCB	17.87	1.35E+06	1.05 Y	1.48	1.41	-5.0%	
PCB-24 236-TrCB	17.99	1.32E+06	1.03 Y	1.43	1.38	-3.6%	
PCB-16 22'3-TrCB	18.07	8.34E+05	1.07 Y	0.89	0.87	-2.7%	
PCB-32 24'6-TrCB	18.54	1.45E+06	1.10 Y	1.56	1.51	-2.8%	
PCB-34 2'35-TrCB	19.66	1.59E+06	1.12 Y	1.18	1.21	2.5%	
PCB-23 235-TrCB	19.80	1.61E+06	1.04 Y	1.19	1.23	3.5%	
PCB-26/29 23'5-/245-TrCB	20.08	3.27E+06	1.04 Y	1.20	1.24	3.6%	
PCB-25 23'4-TrCB	20.27	1.63E+06	1.03 Y	1.19	1.24	4.1%	
PCB-31 24'5-TrCB	20.54	1.65E+06	1.08 Y	1.23	1.25	2.4%	
PCB-28/20 244'-/233'-TrCB	20.81	3.19E+06	1.05 Y	1.18	1.21	2.7%	
PCB-21/33 234-/2'34-TrCB	20.97	3.26E+06	1.02 Y	1.21	1.24	2.2%	
PCB-22 234'-TrCB	21.34	1.49E+06	1.04 Y	1.11	1.13	1.5%	
PCB-36 33'5-TrCB	22.71	1.60E+06	1.03 Y	1.21	1.22	0.4%	
PCB-39 34'5-TrCB	23.02	1.68E+06	1.04 Y	1.32	1.28	-2.8%	
PCB-38 345-TrCB	23.52	1.50E+06	1.03 Y	1.15	1.14	-1.3%	
PCB-35 33'4-TrCB	23.91	1.47E+06	1.05 Y	1.13	1.12	-1.5%	
PCB-37 344'-TrCB	24.26	1.54E+06	1.00 Y	1.20	1.17	-2.1%	
PCB-54 22'66'-TeCB	18.38	1.25E+06	0.81 Y	0.93	0.93	-0.3%	
PCB-50/53 22'46-/22'56'TeCB	20.31	1.86E+06	0.78 Y	0.83	0.90	7.6%	
PCB-45 22'36'-TeCB	20.86	8.01E+05	0.79 Y	0.71	0.77	9.5%	
PCB-51 22'46'-TeCB	20.94	9.75E+05	0.79 Y	0.88	0.94	7.1%	
PCB-46 22'36'-TeCB	21.13	7.73E+05	0.80 Y	0.69	0.75	7.3%	
PCB-52 22'55'-TeCB	22.39	8.95E+05	0.78 Y	0.80	0.86	7.5%	
PCB-73 23'5'6TeCB	22.51	1.14E+06	0.77 Y	1.03	1.10	6.0%	
PCB-43 22'35'-TeCB	22.60	7.49E+05	0.78 Y	0.71	0.72	2.3%	
PCB-69/49 23'46-/22'45'TeCB	22.80	2.07E+06	0.78 Y	0.96	1.00	4.0%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.06	9.04E+05	0.82 Y	0.84	0.87	4.4%	
PCB-44/47/65 22'35'-/22'44'-	23.27	2.76E+06	0.77 Y	0.86	0.89	3.4%	
PCB-59/62/75 233'6'-/2346-/24	23.54	3.56E+06	0.77 Y	1.09	1.14	4.7%	
PCB-42 22'34'-TeCB	23.70	8.16E+05	0.78 Y	0.77	0.79	2.8%	
PCB-41 22'34'-TeCB	24.02	7.90E+05	0.77 Y	0.73	0.76	5.0%	
PCB-71/40 23'4'6/22'33'-TeCB	24.12	1.76E+06	0.76 Y	0.81	0.85	4.2%	
PCB-64 234'6'-TeCB	24.32	1.25E+06	0.80 Y	1.17	1.20	2.9%	
PCB-72 23'55'-TeCB	25.06	1.33E+06	0.76 Y	1.25	1.28	2.5%	
PCB-68 23'45'-TeCB	25.30	1.42E+06	0.77 Y	1.36	1.37	0.7%	
PCB-57 233'5'-TeCB	25.66	1.31E+06	0.78 Y	1.22	1.26	3.2%	
PCB-58 233'5'-TeCB	25.86	1.31E+06	0.77 Y	1.26	1.26	0.3%	
PCB-67 23'45'-TeCB	26.01	1.29E+06	0.73 Y	1.27	1.25	-2.3%	
PCB-63 234'5'-TeCB	26.23	1.39E+06	0.80 Y	1.34	1.34	0.2%	
PCB-61/70/74/76 2345-/23'4'5	26.52	5.17E+06	0.78 Y	1.24	1.25	0.2%	
PCB-66 23'44'-TeCB	26.79	1.26E+06	0.77 Y	1.19	1.21	2.0%	
PCB-55 233'4'-TeCB	26.93	1.24E+06	0.81 Y	1.22	1.20	-1.5%	
PCB-56 233'4'-TeCB	27.36	1.22E+06	0.79 Y	1.18	1.18	0.2%	
PCB-60 2344'-TeCB	27.55	1.28E+06	0.78 Y	1.24	1.24	0.0%	
PCB-80 33'55'-TeCB	27.92	1.43E+06	0.77 Y	1.37	1.38	0.3%	
PCB-79 33'45'-TeCB	29.21	1.39E+06	0.79 Y	1.37	1.34	-2.0%	
PCB-78 33'45'-TeCB	29.68	1.21E+06	0.82 Y	1.19	1.16	-2.5%	
PCB-104 22'466'-PeCB	23.21	1.15E+06	0.62 Y	0.92	0.87	-5.1%	
PCB-96 22'366'-PeCB	23.51	1.05E+06	0.63 Y	0.81	0.80	-1.7%	
PCB-103 22'45'6'-PeCB	25.21	7.60E+05	0.61 Y	0.78	0.81	4.9%	
PCB-94 22'356'-PeCB	25.39	6.83E+05	0.62 Y	0.71	0.73	2.6%	
PCB-95 22'35'6'-PeCB	25.76	7.07E+05	0.60 Y	0.74	0.76	2.0%	
PCB-100/93 22'44'6-/22'356-P	25.97	1.42E+06	0.59 Y	0.75	0.76	2.2%	
PCB-102 22'456'-PeCB	26.08	6.98E+05	0.62 Y	0.75	0.75	-0.2%	
PCB-98 22'3'46'-PeCB	26.14	6.85E+05	0.65 Y	0.71	0.73	3.1%	
PCB-88 22'346'-PeCB	26.43	6.20E+05	0.60 Y	0.66	0.66	-0.2%	
PCB-91 22'34'6'-PeCB	26.50	7.68E+05	0.65 Y	0.84	0.82	-2.1%	
PCB-84 22'33'6'-PeCB	26.68	6.38E+05	0.63 Y	0.65	0.68	5.0%	
PCB-89 22'346'-PeCB	27.09	6.46E+05	0.64 Y	0.69	0.69	0.5%	
PCB-121 23'45'6'-PeCB	27.48	9.22E+05	0.60 Y	0.98	0.99	0.3%	
PCB-92 22'355'-PeCB	27.79	6.72E+05	0.63 Y	0.72	0.72	0.5%	
PCB-113/90/101 233'5'6-/22'3	28.27	2.26E+06	0.62 Y	0.81	0.81	-0.2%	
PCB-83 22'33'5'-PeCB	28.68	5.55E+05	0.62 Y	0.62	0.59	-4.6%	
PCB-99 22'44'5'-PeCB	28.79	7.32E+05	0.61 Y	0.76	0.78	2.4%	
PCB-112 233'56'-PeCB	28.88	8.90E+05	0.61 Y	0.96	0.95	-1.2%	
PCB-108/119/86/97/125/87 233	29.22	4.63E+06	0.61 Y	0.83	0.83	0.0%	
PCB-117 234'56'-PeCB	29.76	8.97E+05	0.59 Y	0.94	0.96	2.1%	
PCB-116/85 23456-/22'344'-Pe	29.83	1.46E+06	0.60 Y	0.81	0.78	-3.2%	
PCB-110 233'4'6'-PeCB	29.96	8.57E+05	0.60 Y	0.92	0.92	-0.4%	

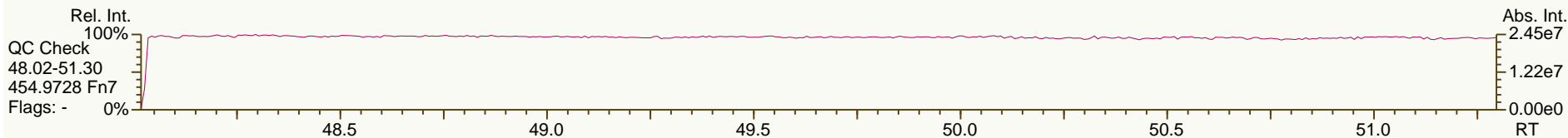
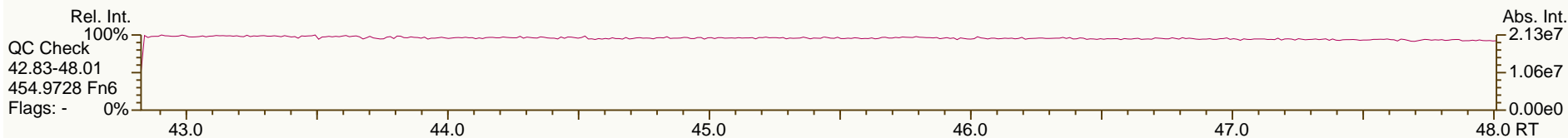
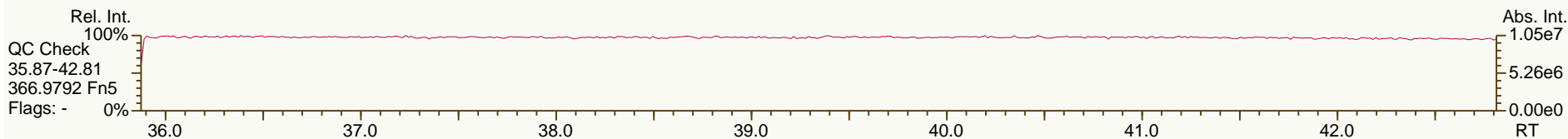
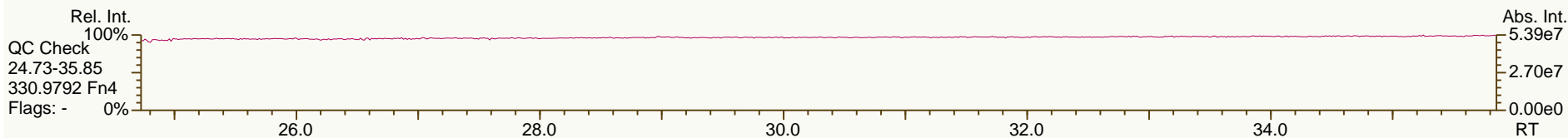
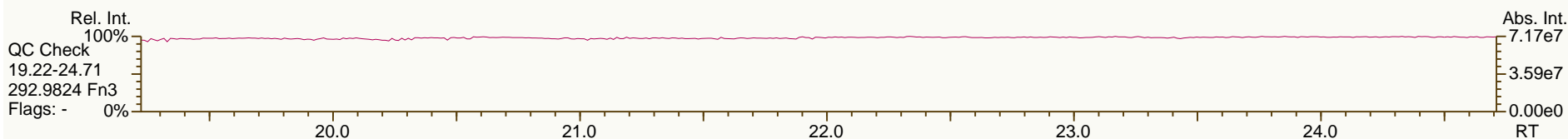
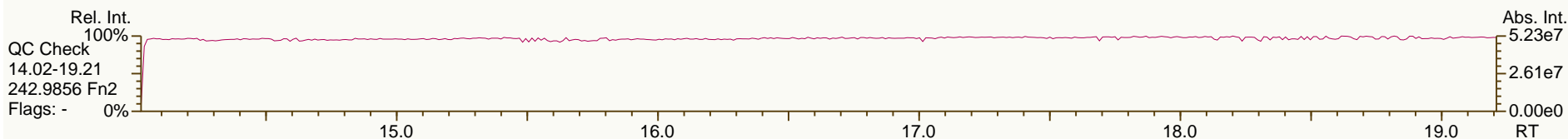
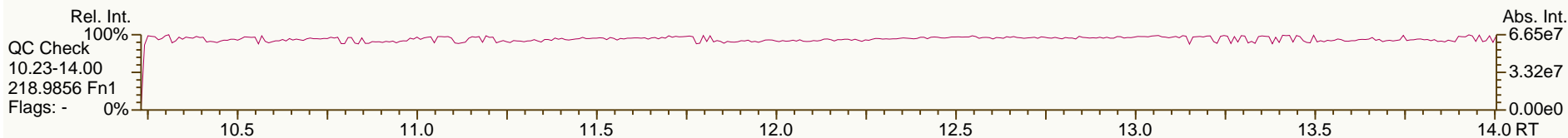
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	30.04	8.56E+05	0.59 Y	0.95	0.92		-3.4%
PCB-82 22'33'4'-PeCB	30.22	5.53E+05	0.58 Y	0.62	0.59		-3.9%
PCB-111 233'55'-PeCB	30.59	8.62E+05	0.62 Y	0.98	0.92		-6.4%
PCB-120 23'455'-PeCB	30.98	9.15E+05	0.62 Y	0.99	0.98		-1.3%
PCB-107/124 233'4'5'-/2'3455'	31.93	1.66E+06	0.59 Y	0.92	0.89		-3.6%
PCB-109 233'46'-PeCB	32.14	8.97E+05	0.62 Y	1.00	0.96		-3.5%
PCB-106 233'45'-PeCB	32.34	8.58E+05	0.60 Y	0.96	0.92		-4.6%
PCB-122 2'33'45'-PeCB	32.80	7.90E+05	0.59 Y	0.93	0.91		-2.2%
PCB-127 33'455'-PeCB	34.77	8.49E+05	0.62 Y	1.04	1.00		-3.5%
PCB-155 22'44'66'-HxCB	28.12	1.11E+06	1.28 Y	1.06	1.03		-2.5%
PCB-152 22'3566'-HxCB	28.25	1.03E+06	1.24 Y	0.98	0.96		-2.2%
PCB-150 22'34'66'-HxCB	28.40	1.03E+06	1.15 Y	0.99	0.96		-2.8%
PCB-136 22'33'66'-HxCB	28.69	9.37E+05	1.22 Y	0.92	0.87		-5.3%
PCB-145 22'3466'HxCB	28.96	9.47E+05	1.19 Y	0.94	0.88		-6.2%
PCB-148 22'34'56'-HxCB	30.26	7.33E+05	1.27 Y	0.95	0.93		-2.0%
PCB-151/135 22'355'6'-/22'33'	30.77	1.43E+06	1.16 Y	0.92	0.90		-1.5%
PCB-154 22'44'5'6'-HxCB	30.99	7.83E+05	1.19 Y	1.01	0.99		-2.3%
PCB-144 22'345'6'-HxCB	31.24	7.47E+05	1.23 Y	0.93	0.95		1.6%
PCB-147/149 22'34'56'-/22'34'	31.54	1.48E+06	1.27 Y	0.94	0.94		0.1%
PCB-134 22'33'56'-HxCB	31.70	6.02E+05	1.20 Y	0.78	0.76		-2.7%
PCB-143 22'3456'-HxCB	31.78	6.93E+05	1.19 Y	0.90	0.88		-2.0%
PCB-139/140 22'344'6'-/22'344'	32.05	1.45E+06	1.27 Y	0.95	0.92		-3.0%
PCB-131 22'33'46'-HxCB	32.21	6.36E+05	1.28 Y	0.84	0.81		-3.7%
PCB-142 22'3456'-HxCB	32.35	6.49E+05	1.24 Y	0.87	0.82		-5.6%
PCB-132 22'33'46'-HxCB	32.59	6.56E+05	1.32 Y	0.88	0.83		-5.1%
PCB-133 22'33'55'-HxCB	33.04	6.71E+05	1.24 Y	0.89	0.85		-4.4%
PCB-165 233'55'6'-HxCB	33.38	7.89E+05	1.17 Y	1.06	1.00		-6.1%
PCB-146 22'34'55'-HxCB	33.59	7.33E+05	1.29 Y	0.94	0.93		-1.6%
PCB-161 233'45'6'-HxCB	33.71	9.30E+05	1.19 Y	1.20	1.18		-1.6%
PCB-153/168 22'44'55'-/23'44'	34.13	1.72E+06	1.21 Y	1.15	1.09		-5.0%
PCB-141 22'3455'-HxCB	34.27	7.01E+05	1.16 Y	0.91	0.89		-2.7%
PCB-130 22'33'45'-HxCB	34.61	6.17E+05	1.19 Y	0.82	0.78		-4.8%
PCB-137 22'344'5'-HxCB	34.80	6.85E+05	1.24 Y	1.00	0.87		-13.5%
PCB-164 233'4'5'6'-HxCB	34.89	9.11E+05	1.21 Y	1.14	1.15		1.5%
PCB-163/138/129 233'4'56'-/22'	35.17	2.26E+06	1.23 Y	0.98	0.96		-2.9%
PCB-160 233'456'-HxCB	35.30	8.47E+05	1.22 Y	1.14	1.07		-6.1%
PCB-158 233'44'6'-HxCB	35.49	9.25E+05	1.18 Y	1.24	1.17		-5.8%
PCB-128/166 22'33'44'-/2344'5	36.21	1.34E+06	1.27 Y	0.86	0.82		-5.1%
PCB-159 233'455'-HxCB	37.07	8.08E+05	1.31 Y	1.03	0.99		-3.5%
PCB-162 233'4'55'-HxCB	37.31	7.77E+05	1.22 Y	1.04	0.95		-8.3%
PCB-188 22'34'566'-HpCB	32.97	1.04E+06	1.10 Y	1.07	1.06		-0.8%
PCB-179 22'33'566'-HpCB	33.24	9.63E+05	0.99 Y	0.98	0.98		0.5%
PCB-184 22'344'66'-HpCB	33.71	9.33E+05	1.07 Y	0.97	0.95		-2.1%

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
Lab ID:	CS2_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	1.04E+06	1.12 Y	1.06	1.06	-0.3%	
PCB-186 22'34566'-HpCB	34.38	9.54E+05	1.02 Y	1.02	0.97	-4.3%	
PCB-178 22'33'55'6'-HpCB	35.55	7.11E+05	1.08 Y	0.77	0.73	-6.0%	
PCB-175 22'33'45'6'-HpCB	36.09	6.30E+05	0.98 Y	0.89	0.83	-6.9%	
PCB-187 22'34'55'6'-HpCB	36.32	6.73E+05	1.04 Y	0.94	0.89	-5.1%	
PCB-182 22'344'56'-HpCB	36.49	6.82E+05	0.99 Y	0.95	0.90	-5.3%	
PCB-183 22'344'5'6'-HpCB	36.84	6.44E+05	0.99 Y	0.96	0.85	-11.2%	
PCB-185 22'3455'6'-HpCB	36.91	6.92E+05	1.00 Y	0.93	0.91	-1.9%	
PCB-174 22'33'456'-HpCB	37.02	6.02E+05	1.06 Y	0.80	0.79	-0.8%	
PCB-177 22'33'4'56'-HpCB	37.39	5.78E+05	0.99 Y	0.82	0.76	-6.5%	
PCB-181 22'344'56'-HpCB	37.74	6.54E+05	1.09 Y	0.91	0.86	-5.6%	
PCB-171/173 22'33'44'6'-/22'3	37.92	1.16E+06	1.03 Y	0.81	0.77	-5.6%	
PCB-172 22'33'455'-HpCB	39.31	5.98E+05	1.05 Y	0.83	0.79	-4.6%	
PCB-192 233'455'6'-HpCB	39.55	7.68E+05	1.04 Y	1.09	1.01	-7.3%	
PCB-180/193 22'344'55'-/233'	39.83	1.49E+06	1.12 Y	1.01	0.98	-2.9%	
PCB-191 233'44'5'6'-HpCB	40.15	8.05E+05	1.06 Y	1.13	1.06	-6.3%	
PCB-170 22'33'44'5'-HpCB	40.91	6.07E+05	1.05 Y	1.00	0.96	-3.6%	
PCB-190 233'44'56'-HpCB	41.36	8.06E+05	1.05 Y	1.35	1.28	-5.6%	
PCB-202 22'33'55'66'-OcCB	37.51	7.40E+05	0.89 Y	0.83	0.80	-3.0%	
PCB-201 22'33'45'66'-OcCB	38.29	8.45E+05	0.85 Y	0.93	0.92	-1.1%	
PCB-204 22'344'566'-OcCB	38.87	7.91E+05	0.86 Y	0.89	0.86	-3.8%	
PCB-197 22'33'44'66'-OcCB	39.06	7.81E+05	0.86 Y	0.91	0.85	-7.2%	
PCB-200 22'33'4566'-OcCB	39.14	8.15E+05	0.89 Y	0.93	0.88	-4.9%	
PCB-198/199 22'33'455'6'-/22'	41.49	1.21E+06	0.85 Y	0.68	0.66	-3.9%	
PCB-196 22'33'44'56'-OcCB	42.07	6.21E+05	0.86 Y	0.72	0.67	-6.2%	
PCB-203 22'344'55'6'-OcCB	42.24	6.60E+05	0.87 Y	0.74	0.71	-3.0%	
PCB-195 22'33'44'56'-OcCB	43.34	5.02E+05	0.86 Y	0.81	0.79	-2.8%	
PCB-194 22'33'44'55'-OcCB	45.32	5.38E+05	0.85 Y	0.86	0.84	-1.5%	
PCB-205 233'44'55'6'-OcCB	45.72	6.65E+05	0.86 Y	1.09	1.04	-4.4%	
PCB-208 22'33'455'66'-NoCB	43.15	6.40E+05	0.82 Y	0.98	0.92	-5.7%	
PCB-207 22'33'44'566'-NoCB	43.94	6.79E+05	0.74 Y	1.02	0.98	-3.9%	
PCB-206 22'33'44'55'6'-NoCB	47.19	4.98E+05	0.79 Y	0.93	0.91	-3.0%	

AP Lab ID: CS2_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

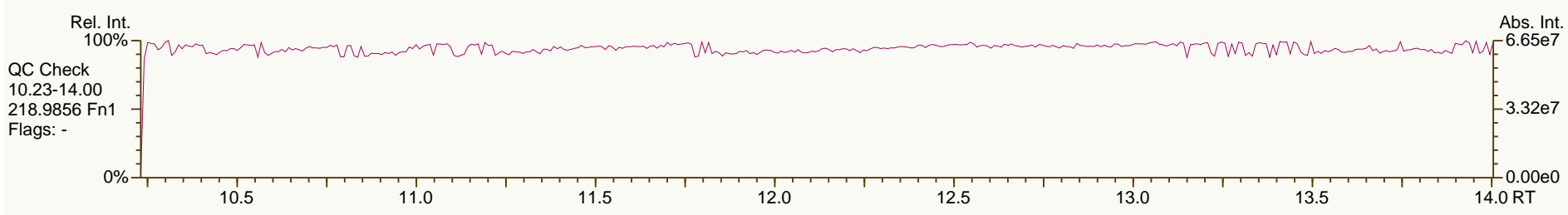
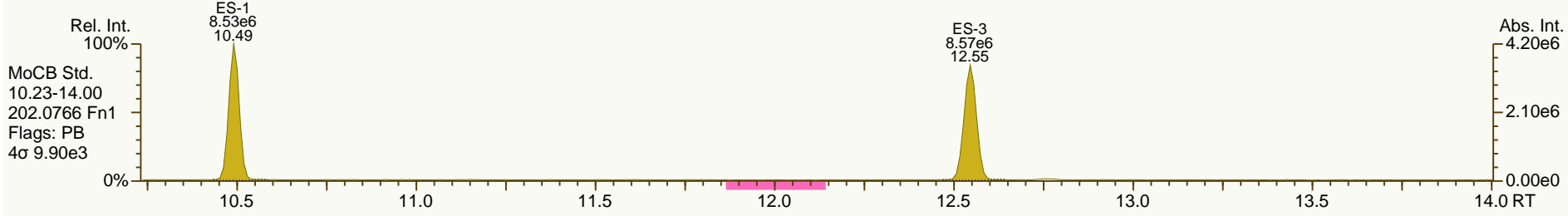
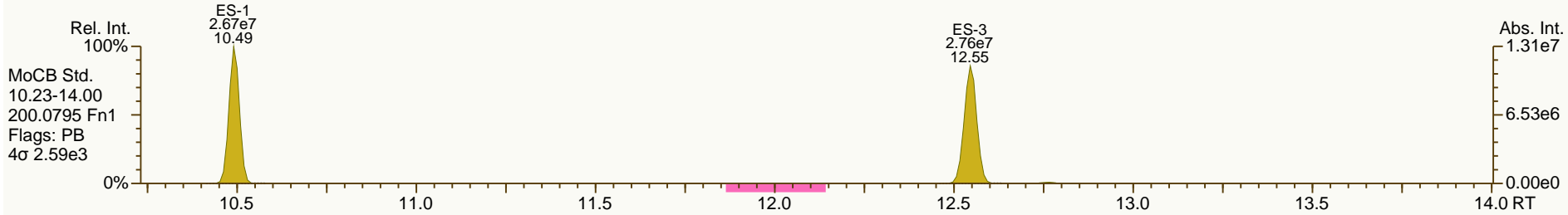
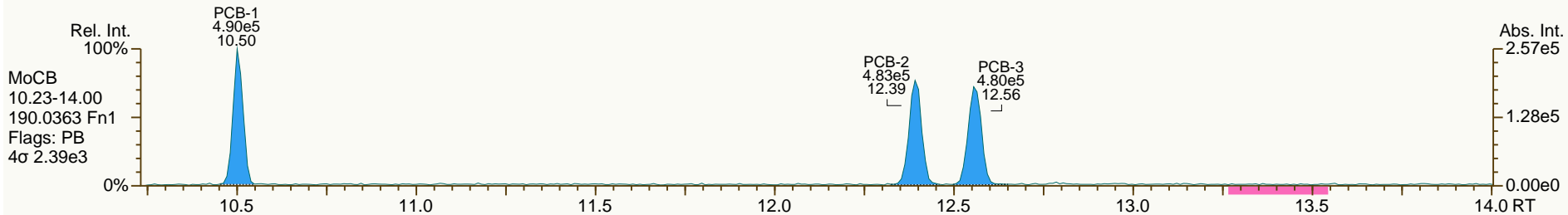
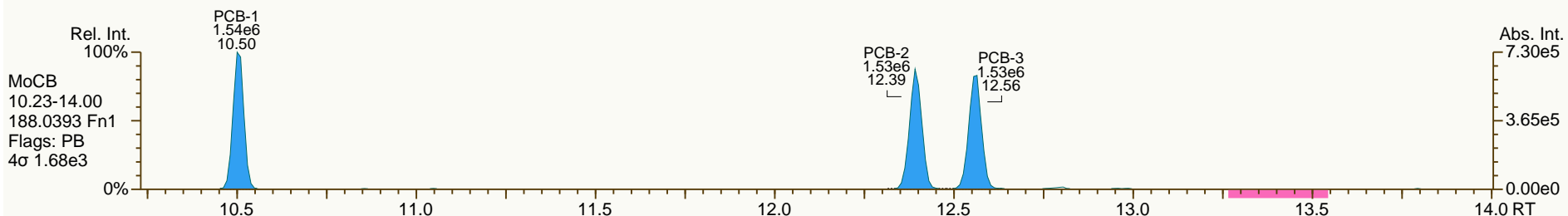
Acq: 26-Jan-2012 17:59:45
User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

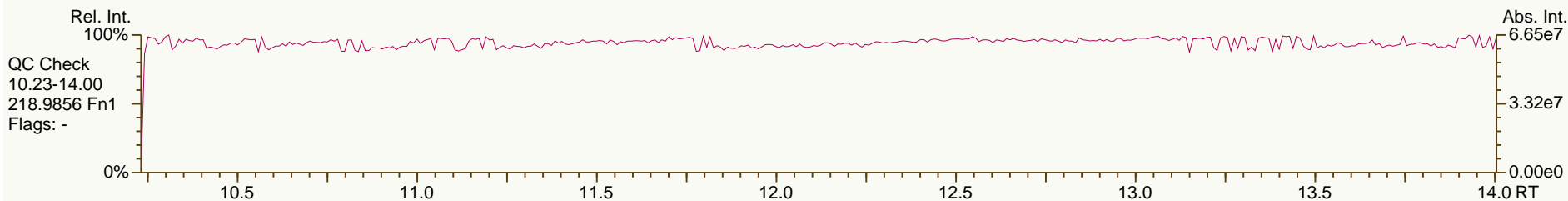
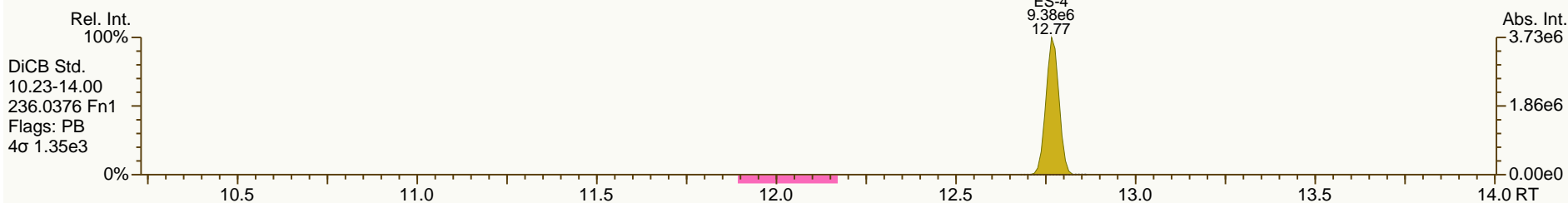
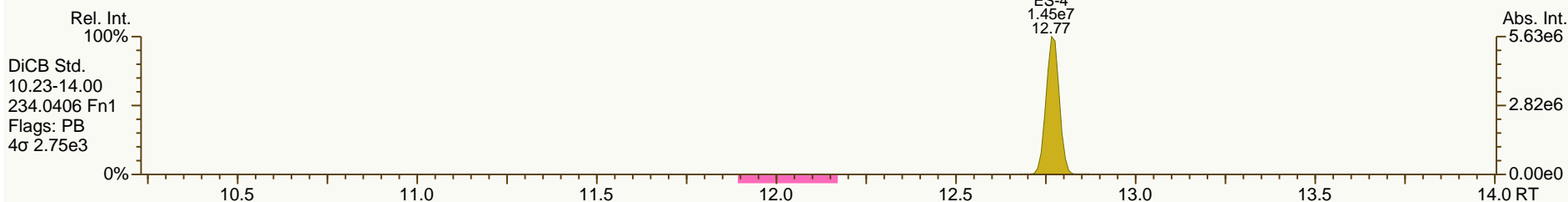
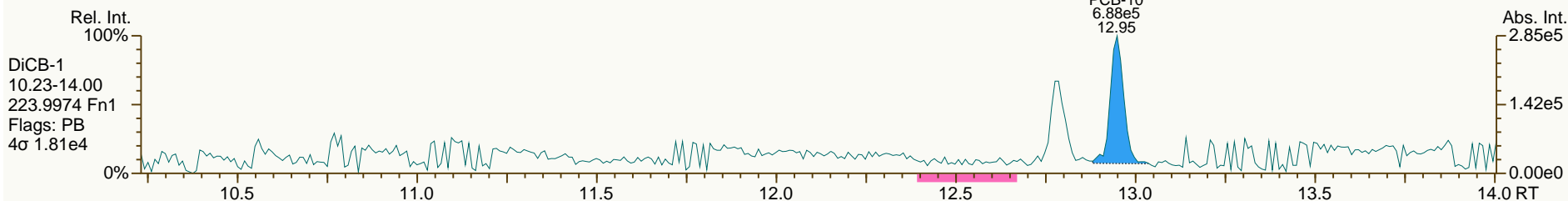
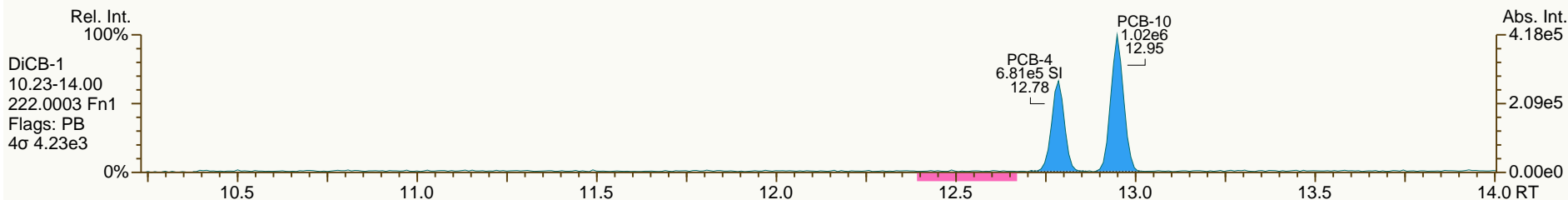
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

Acq: 26-Jan-2012 17:59:45
User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

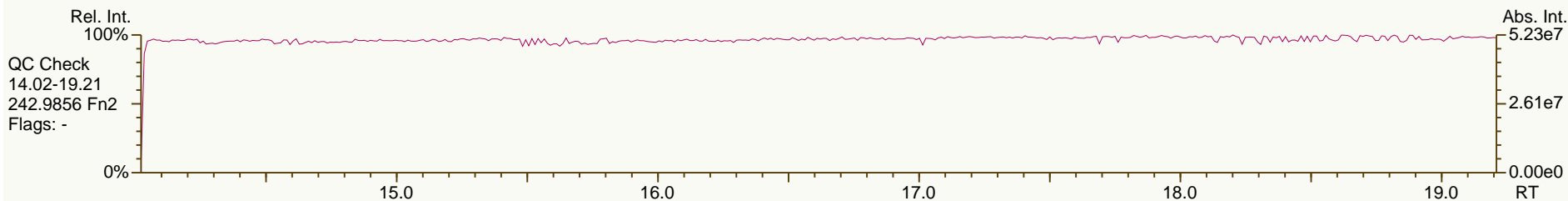
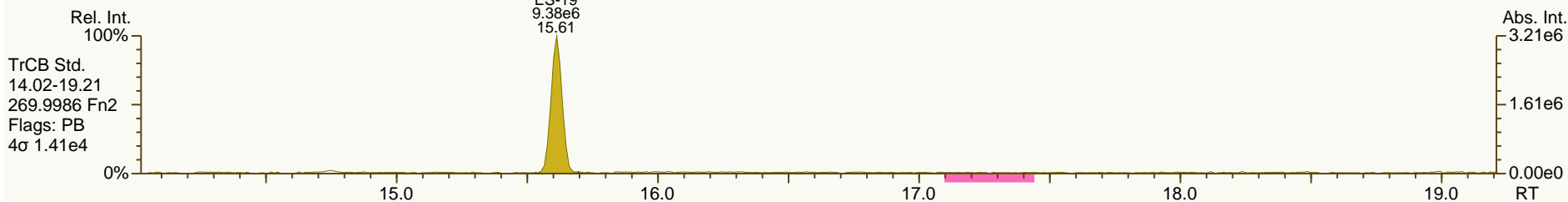
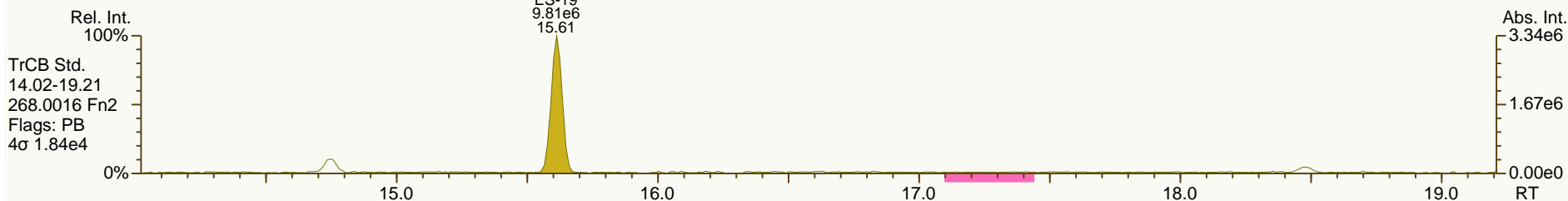
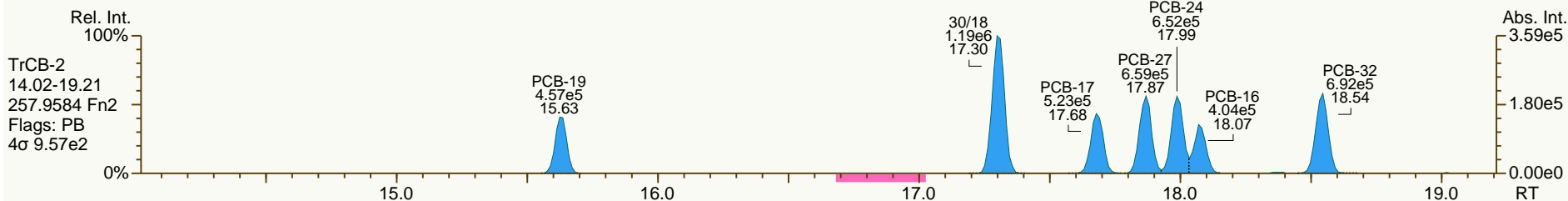
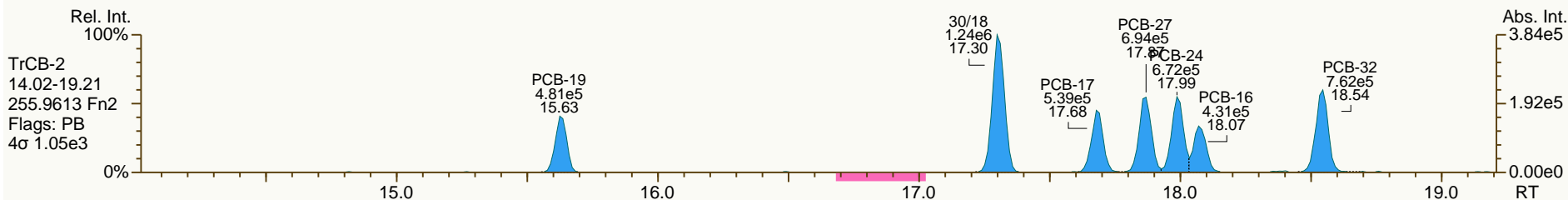
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

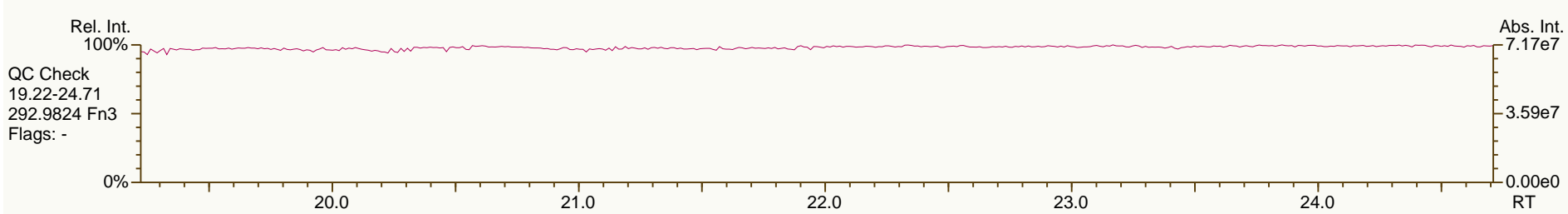
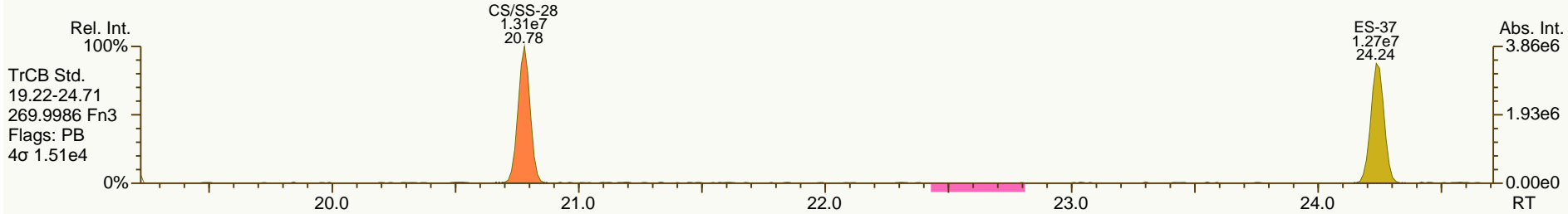
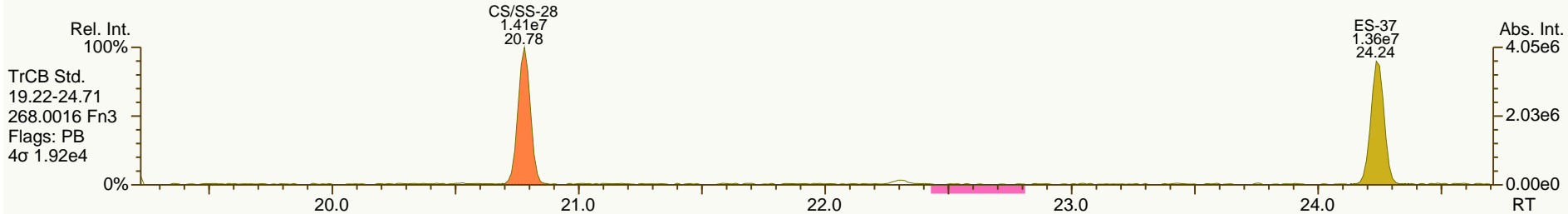
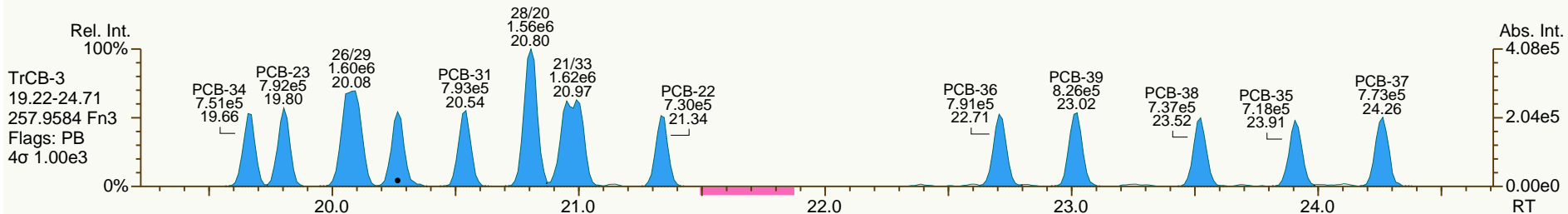
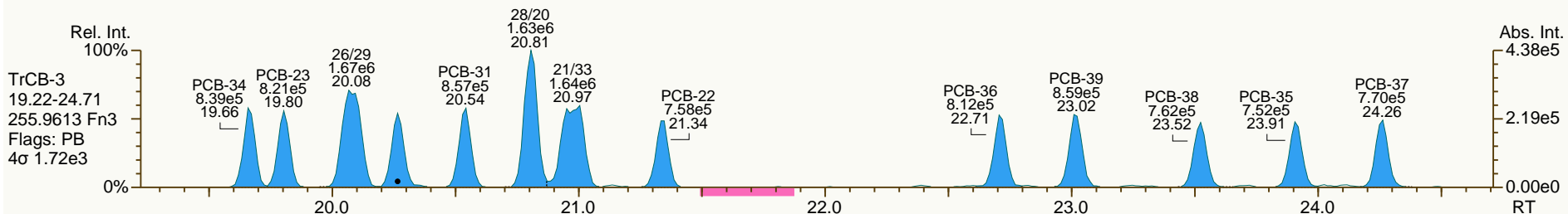
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

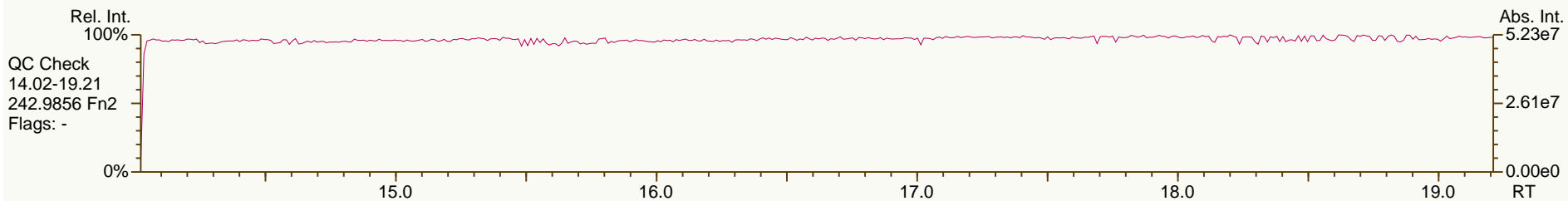
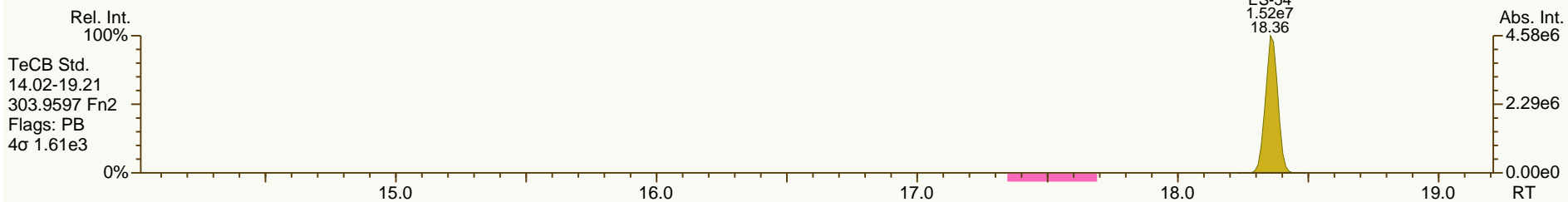
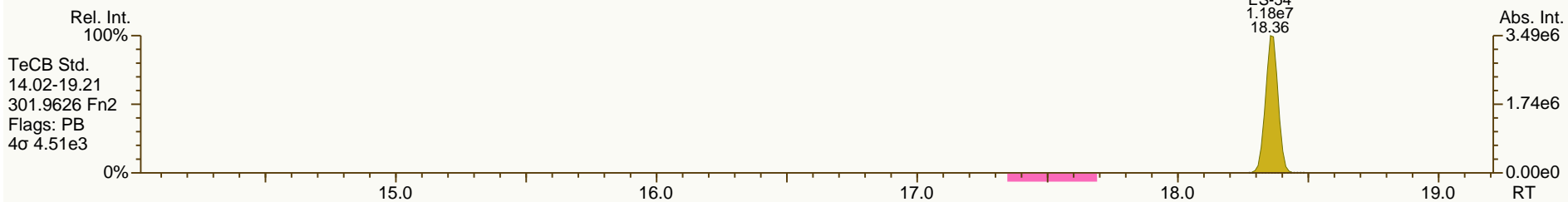
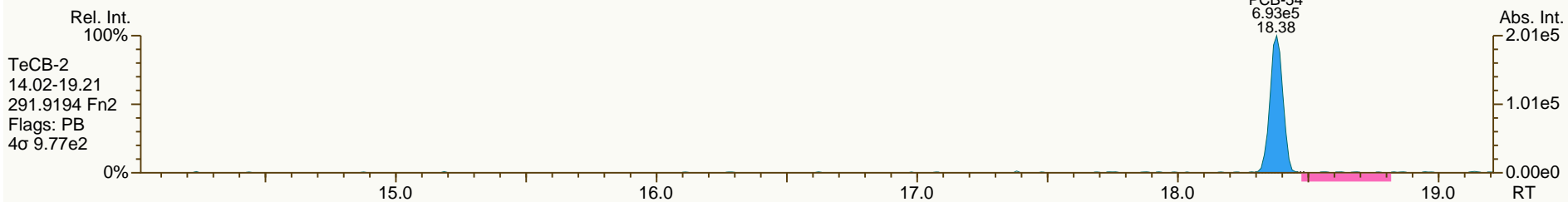
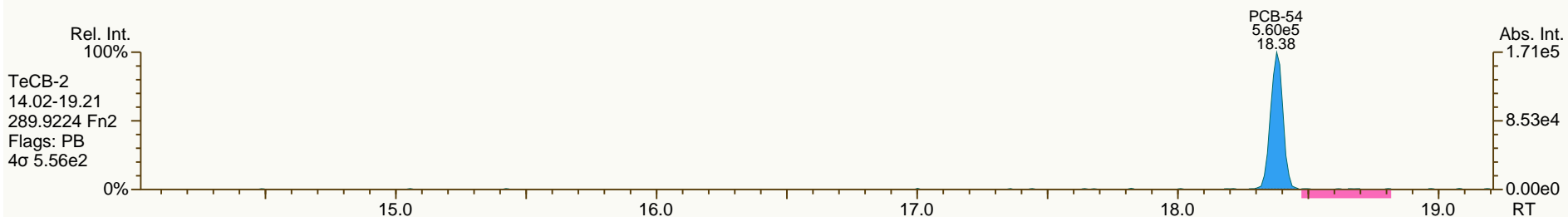
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

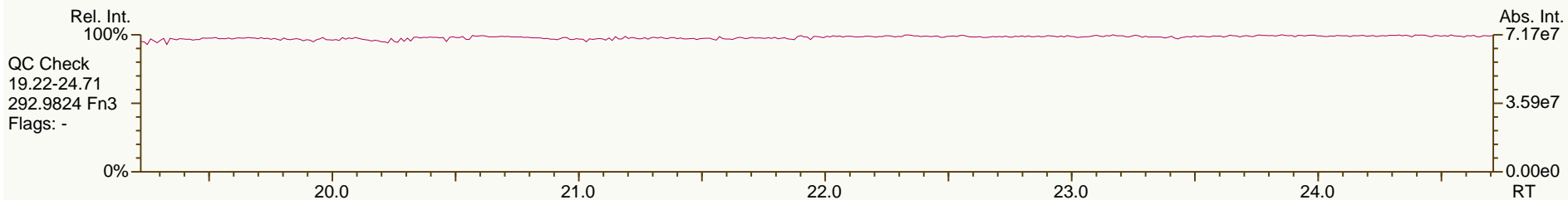
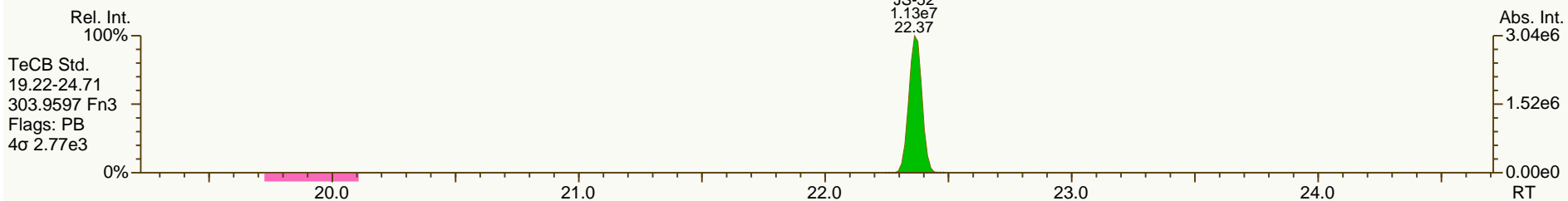
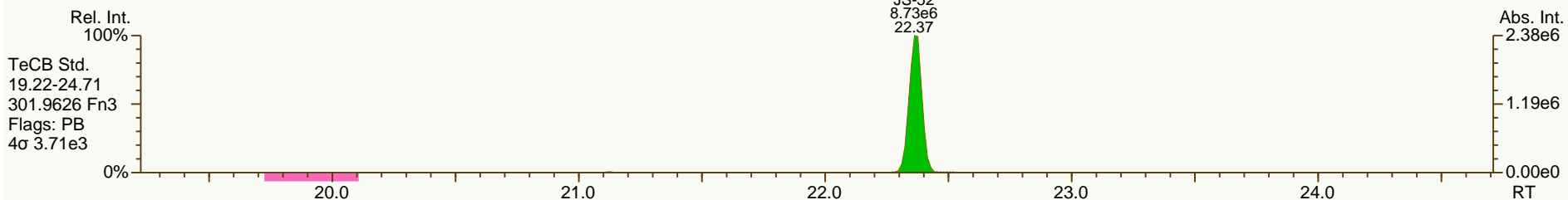
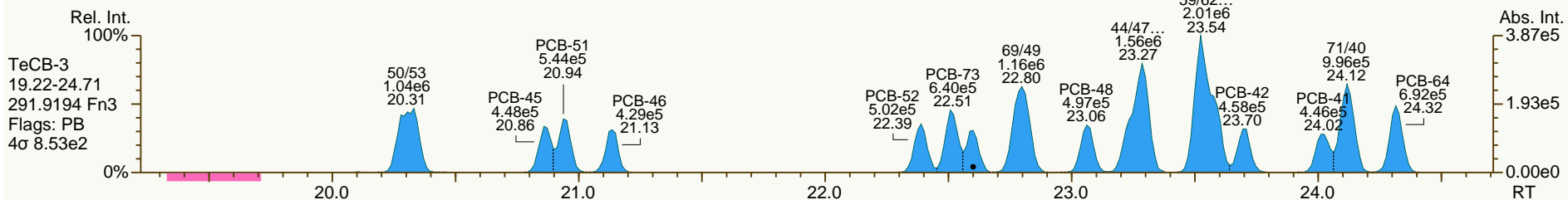
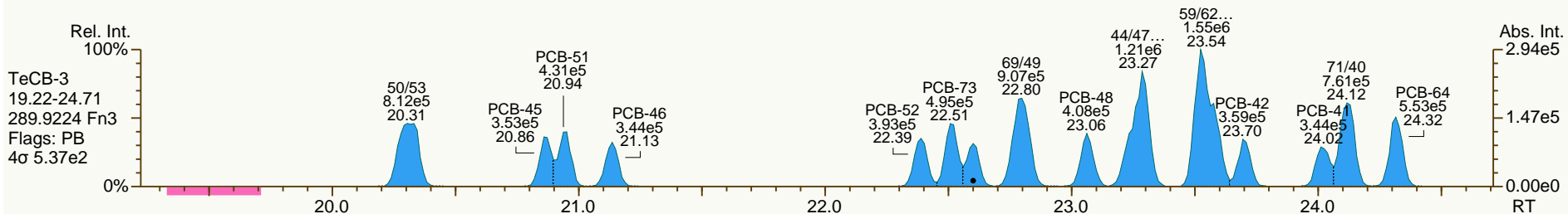
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

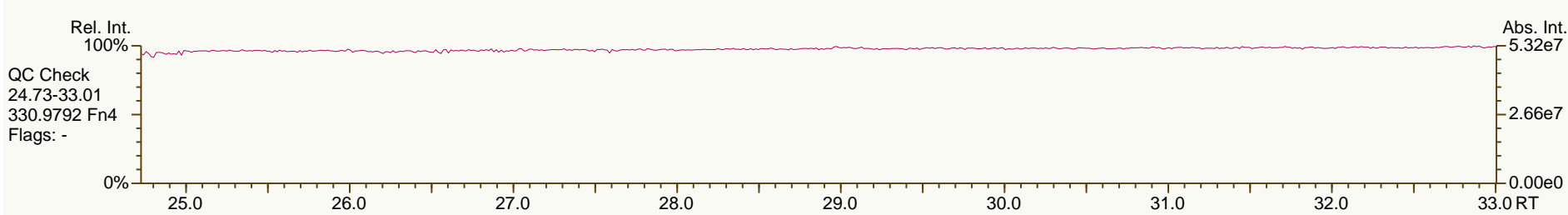
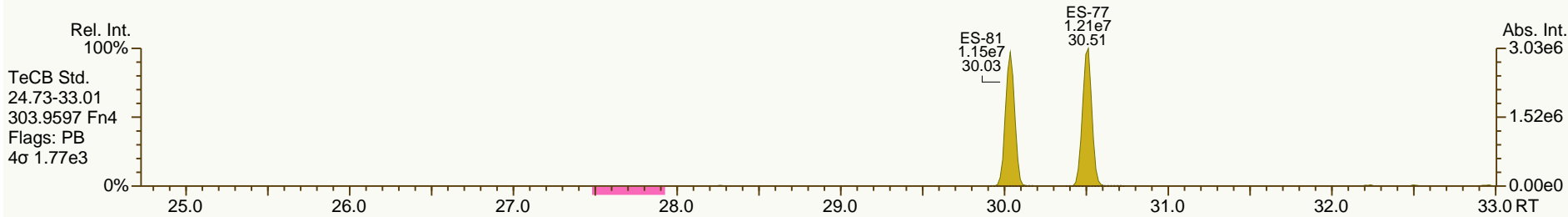
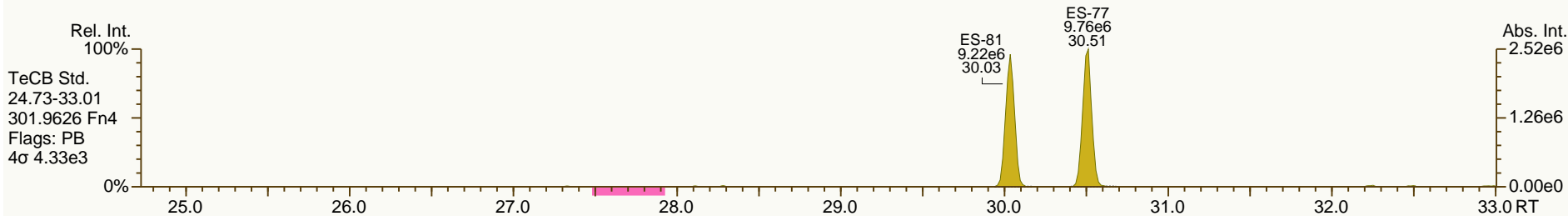
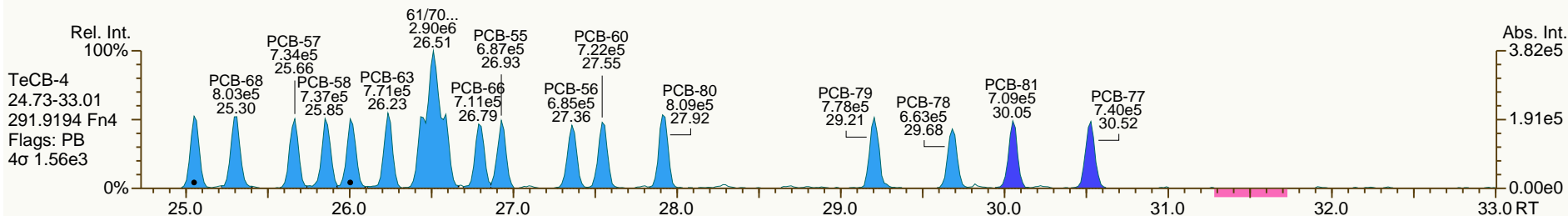
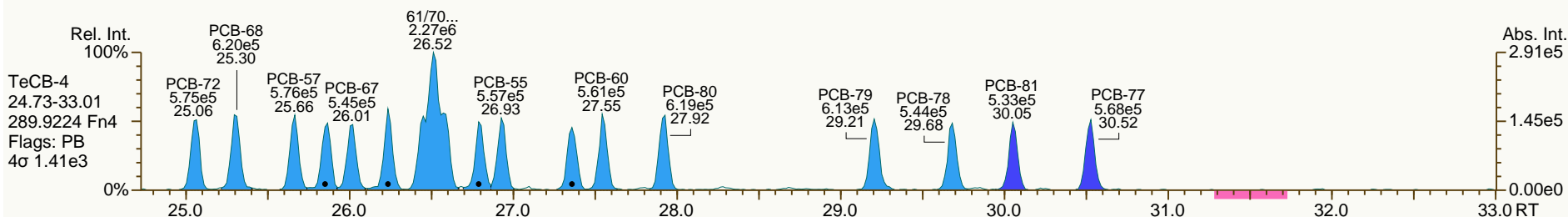
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

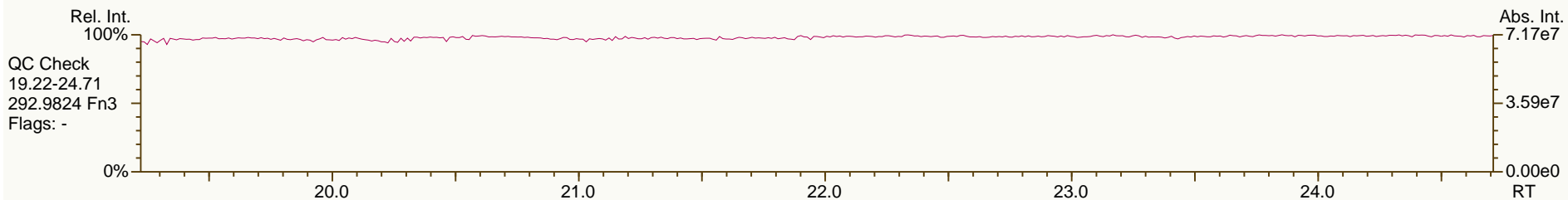
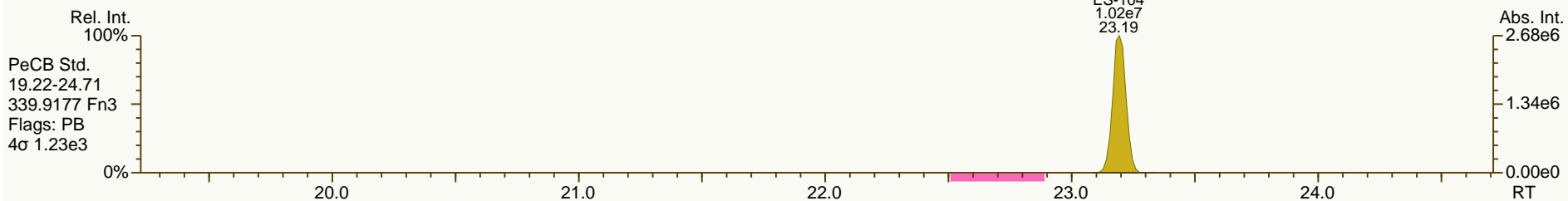
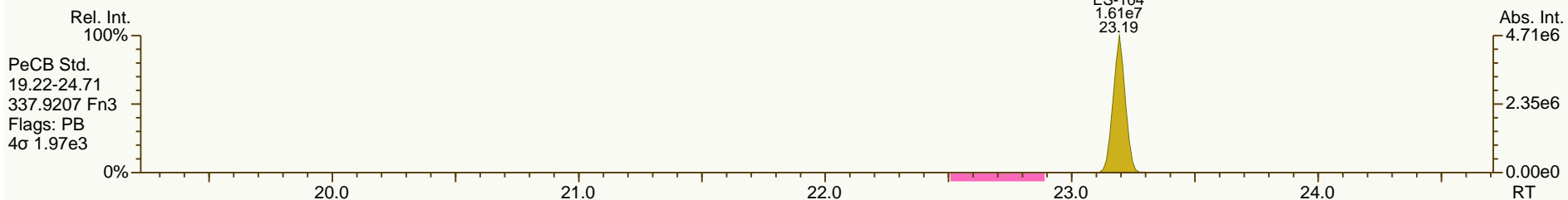
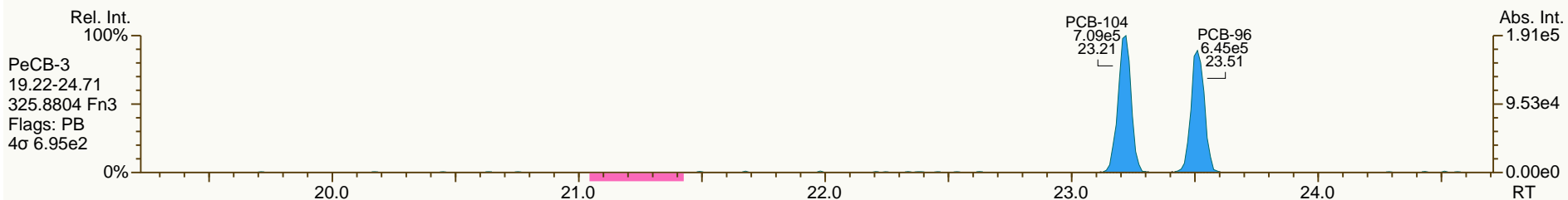
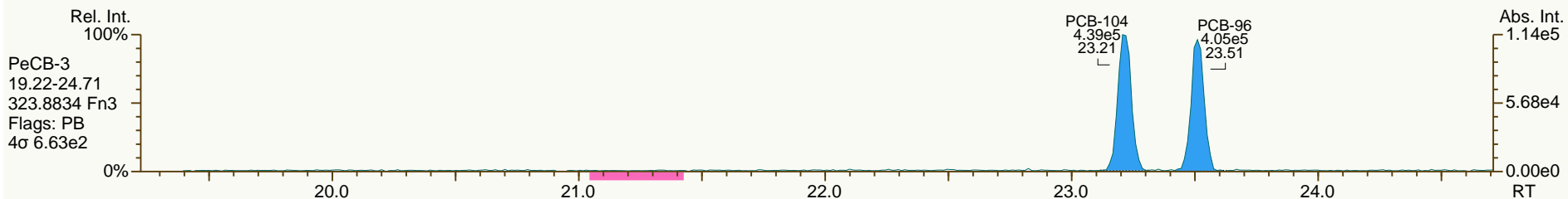
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

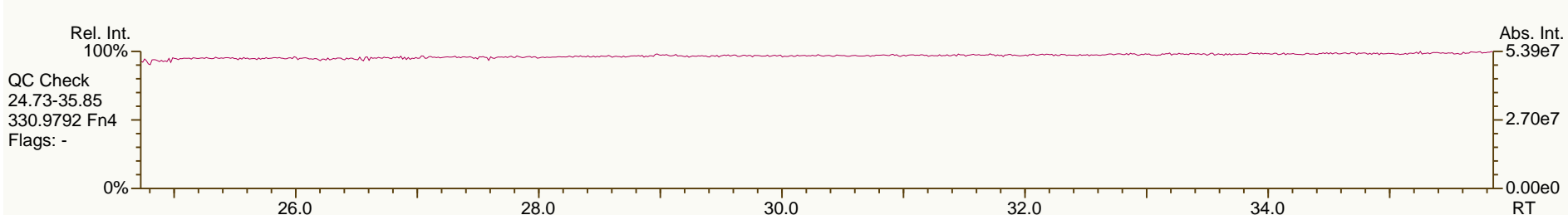
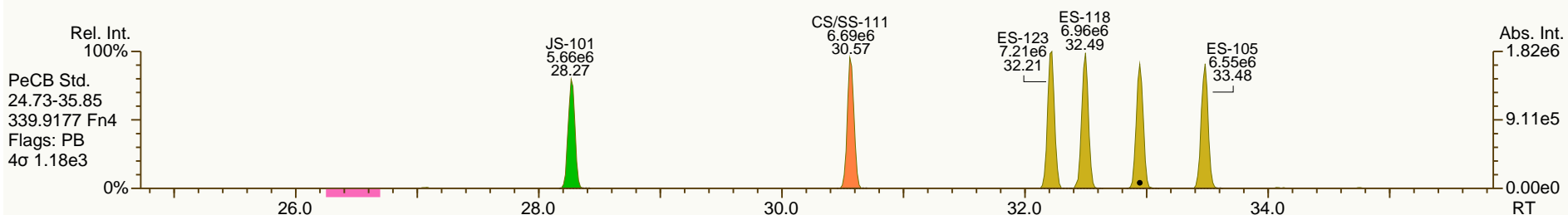
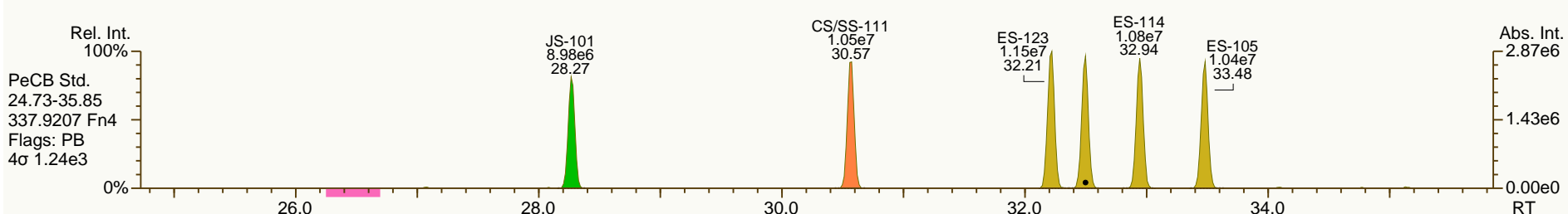
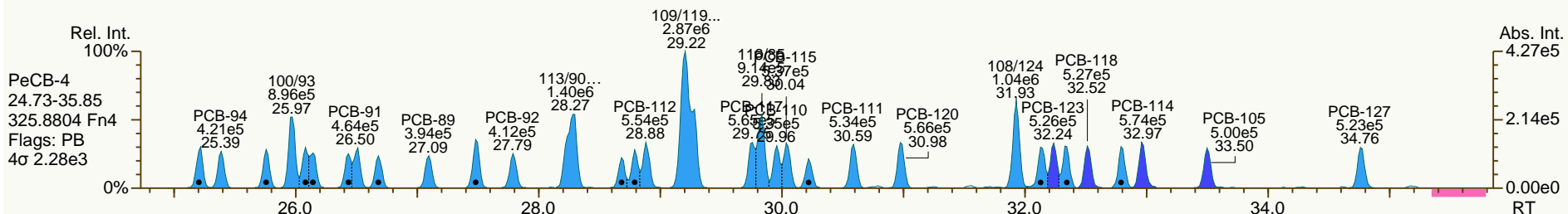
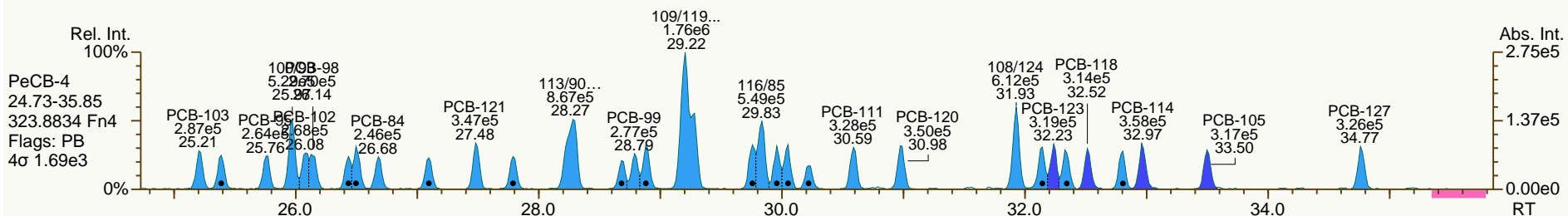
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

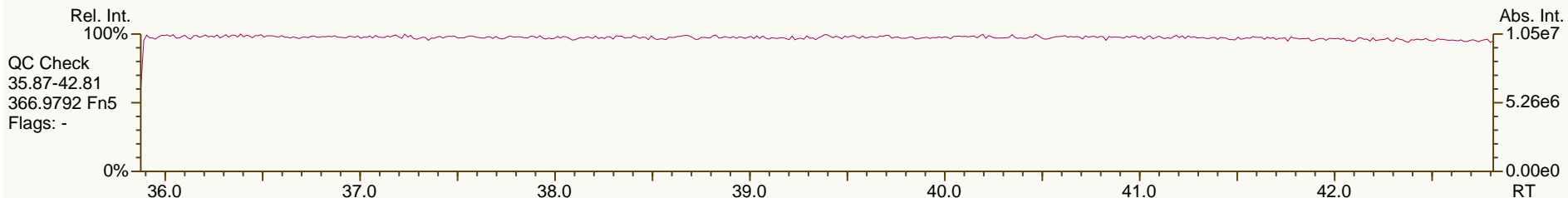
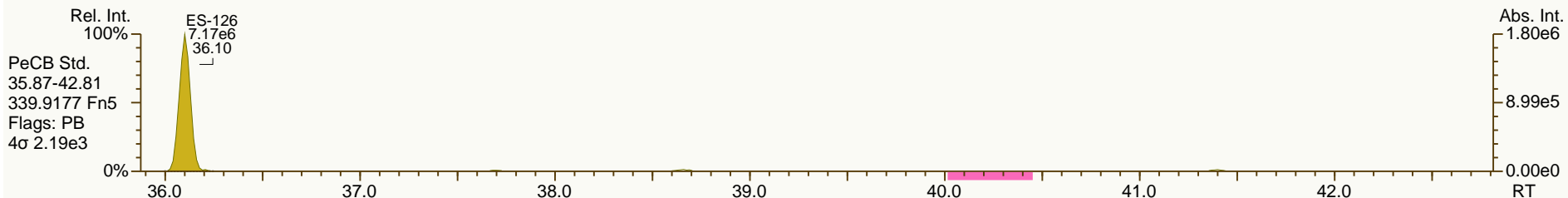
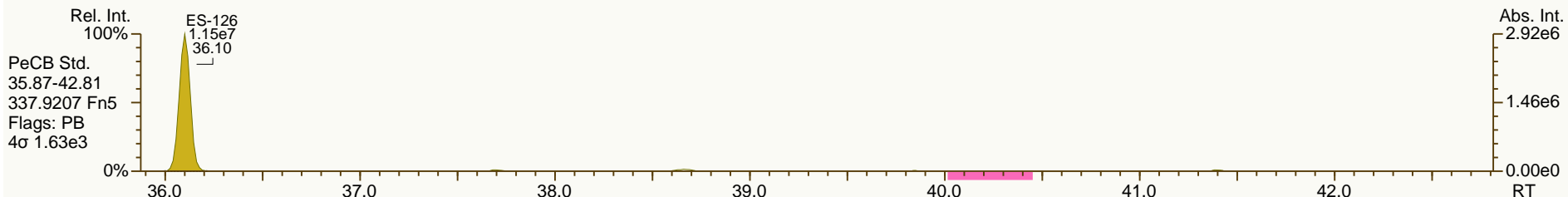
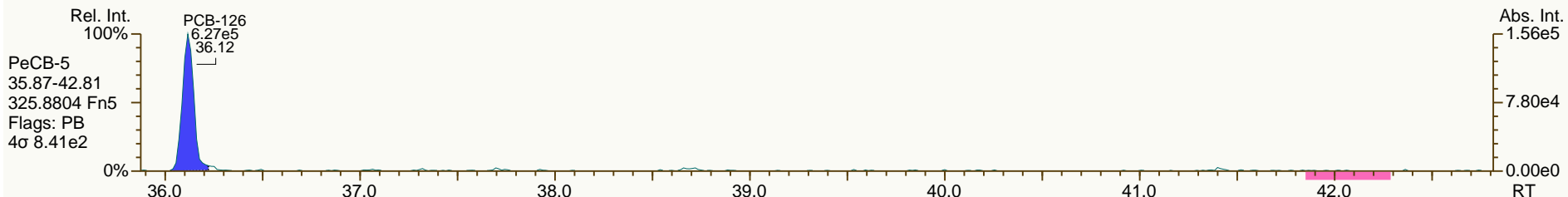
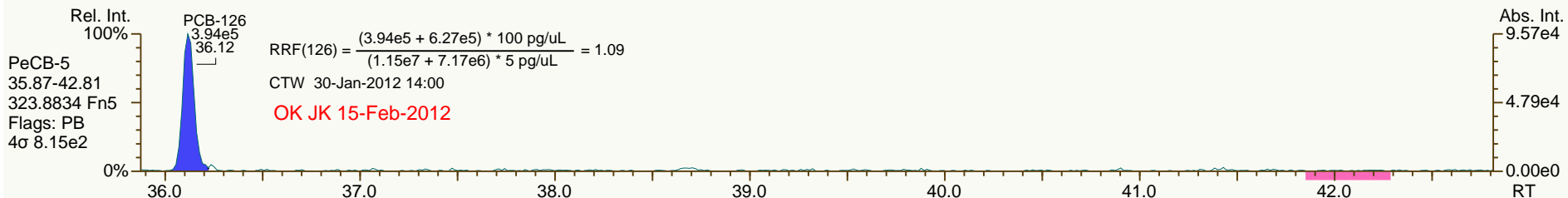
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

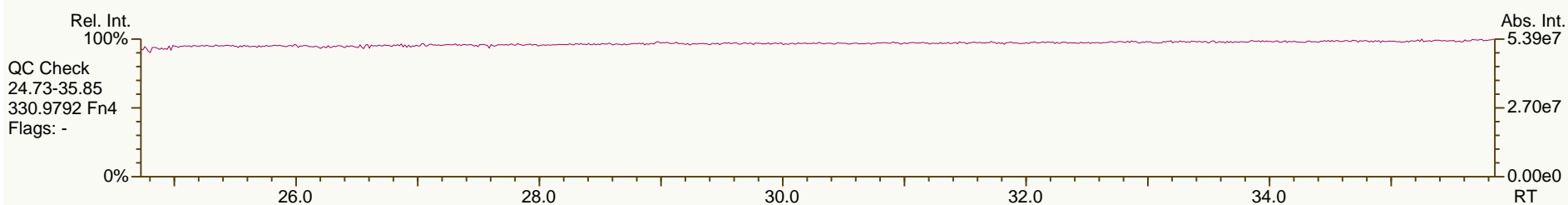
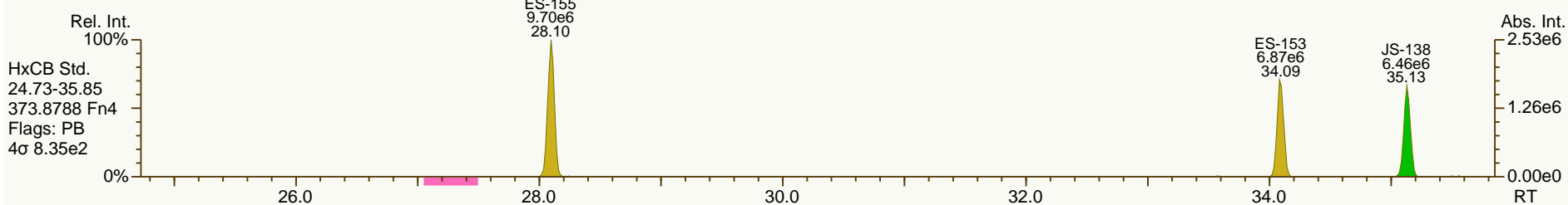
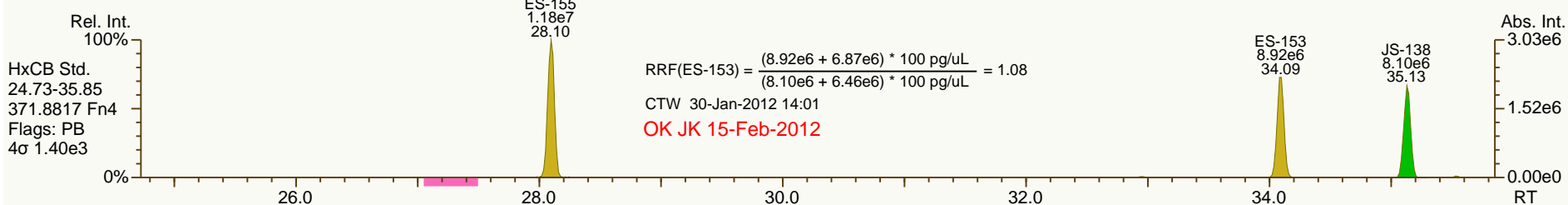
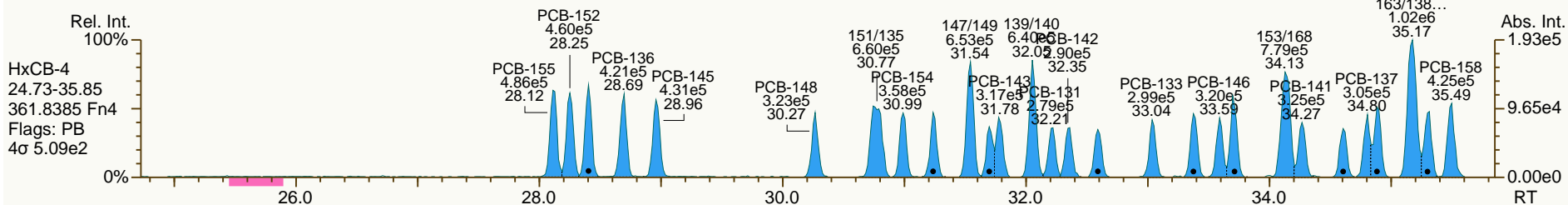
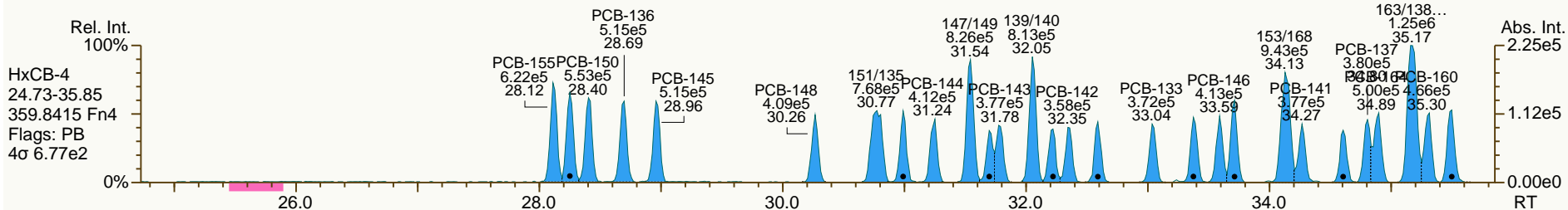
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

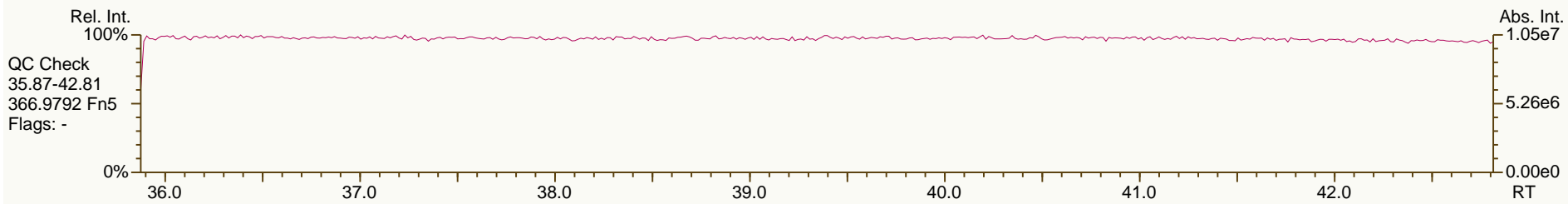
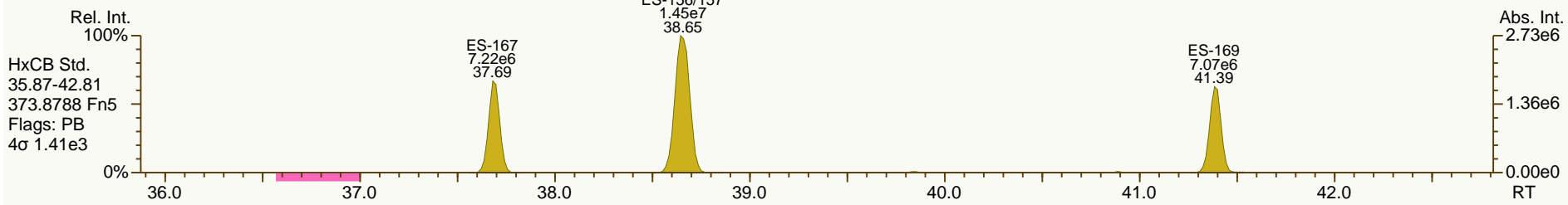
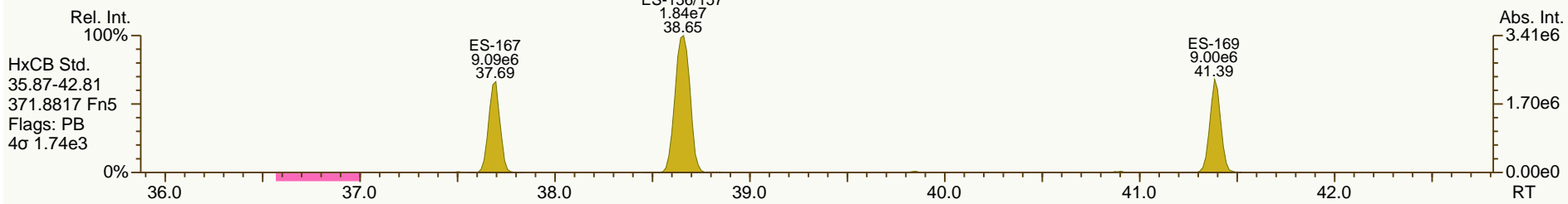
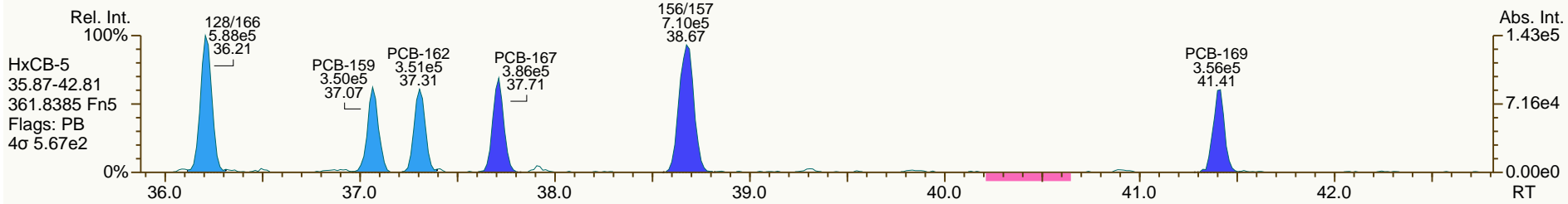
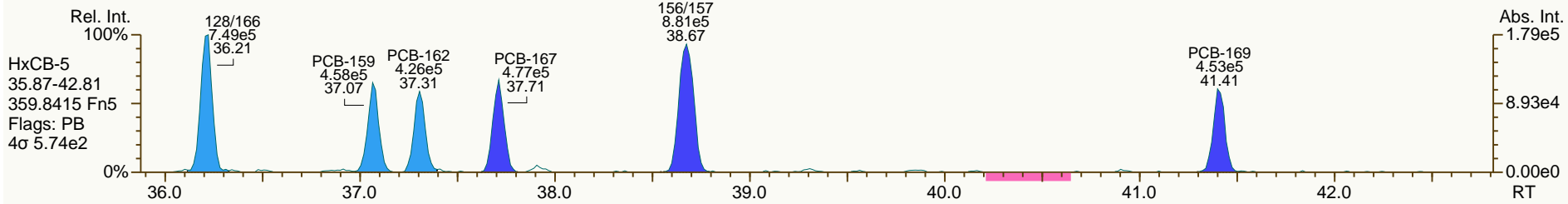
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

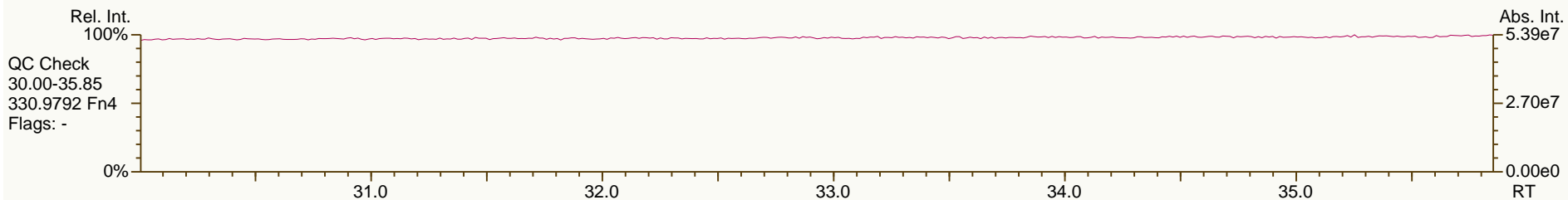
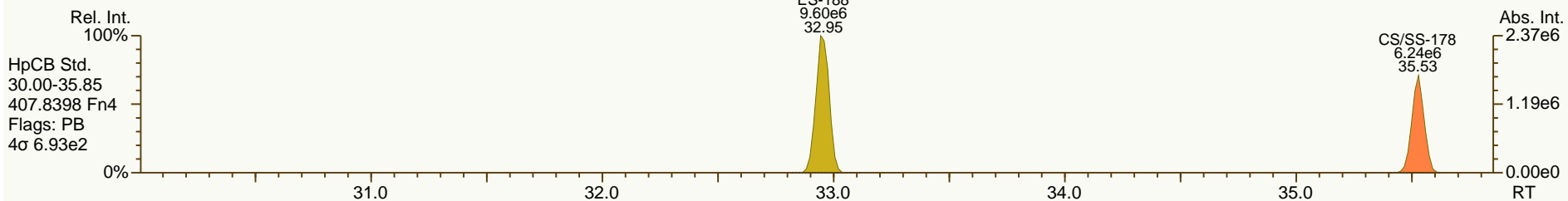
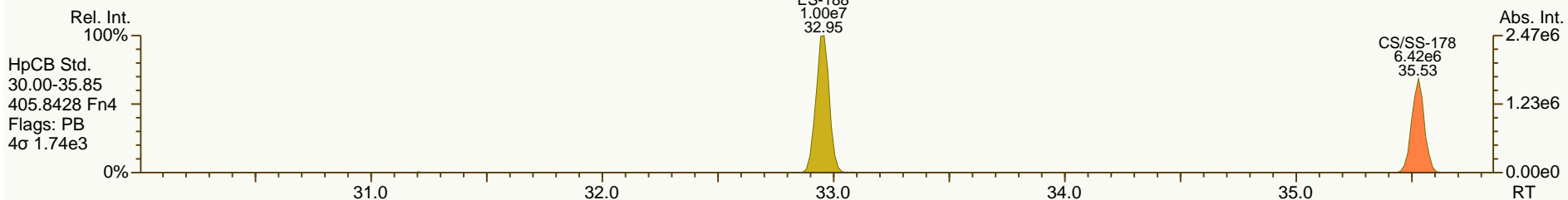
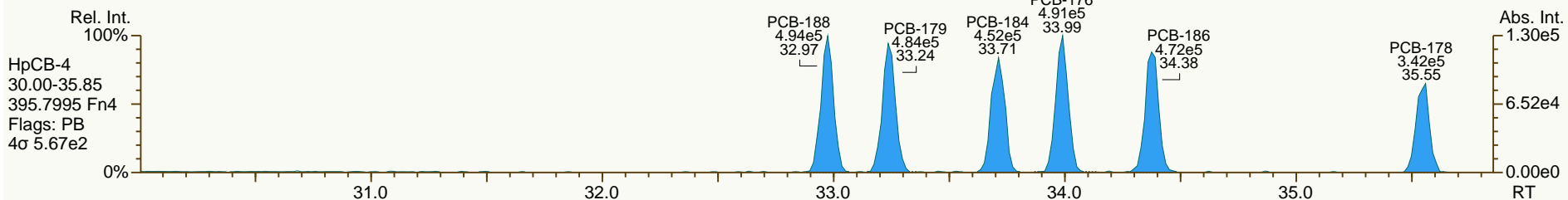
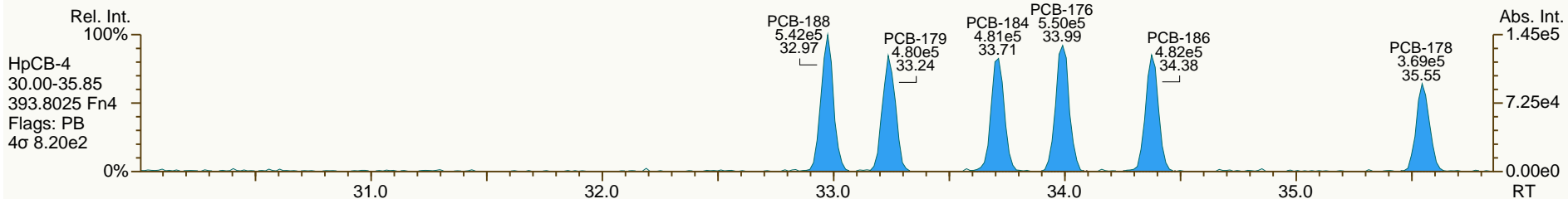
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

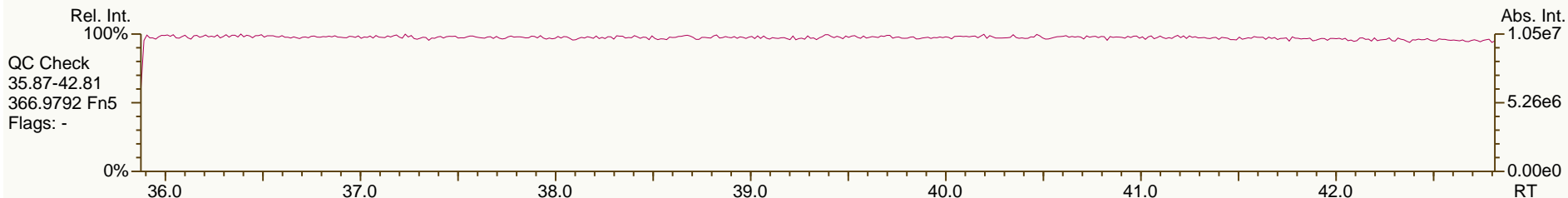
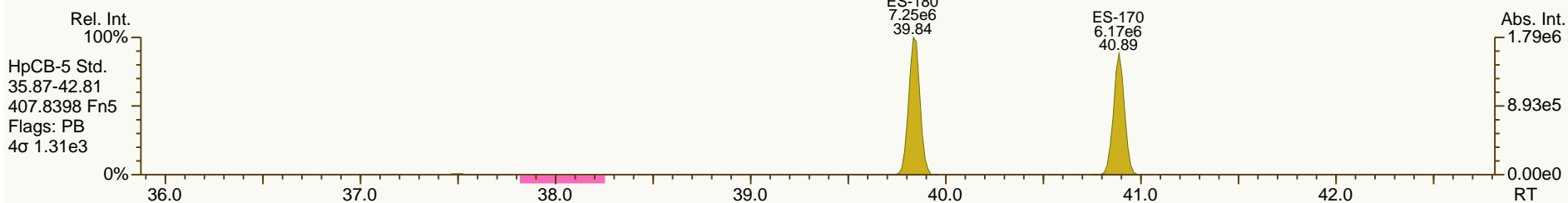
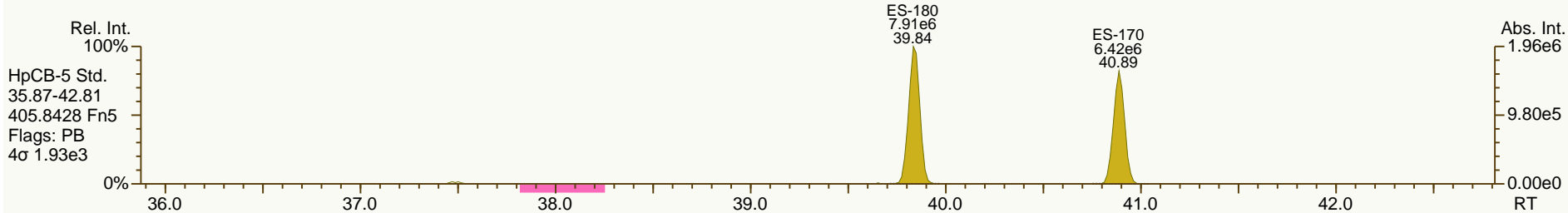
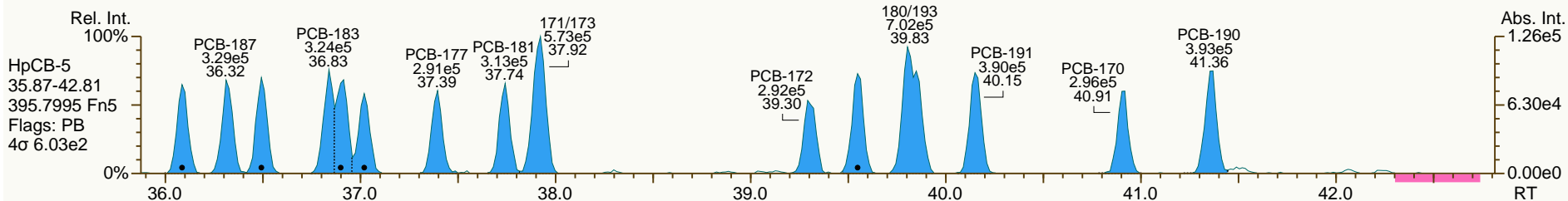
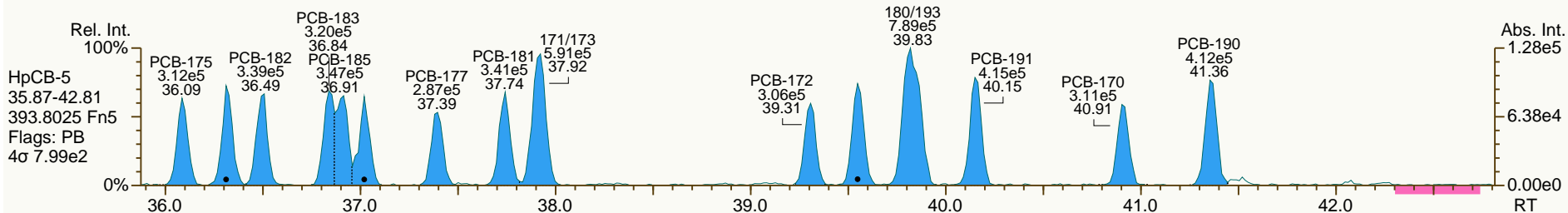
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

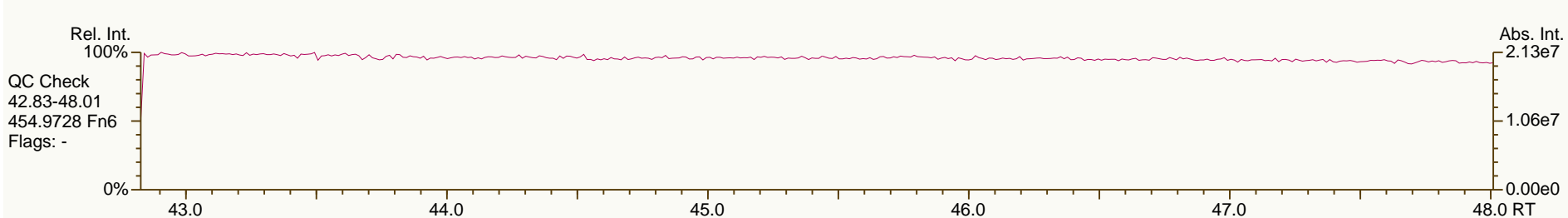
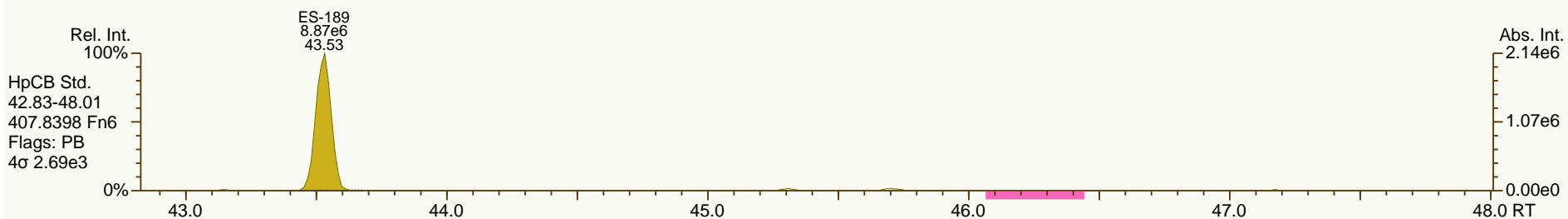
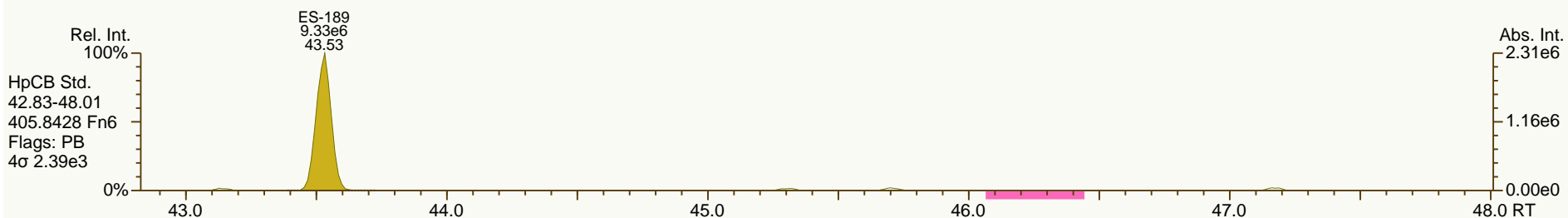
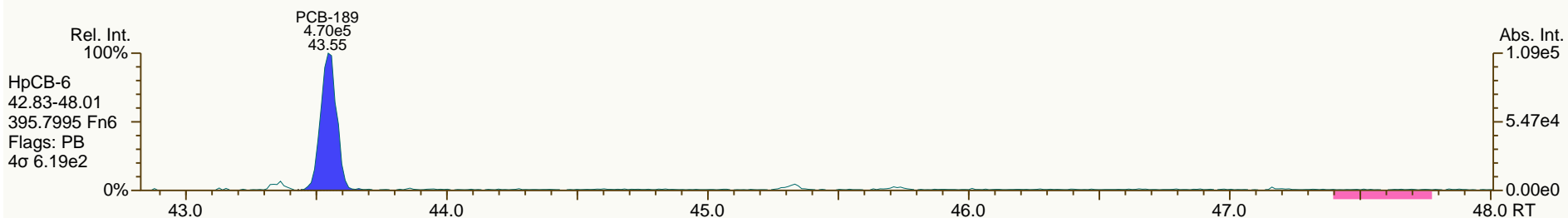
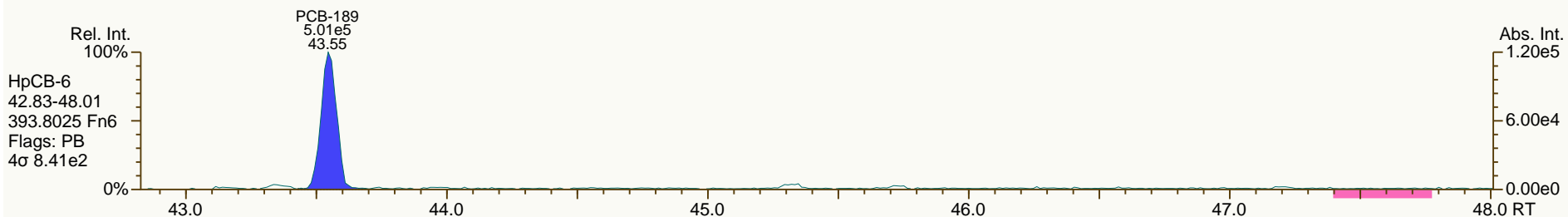
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

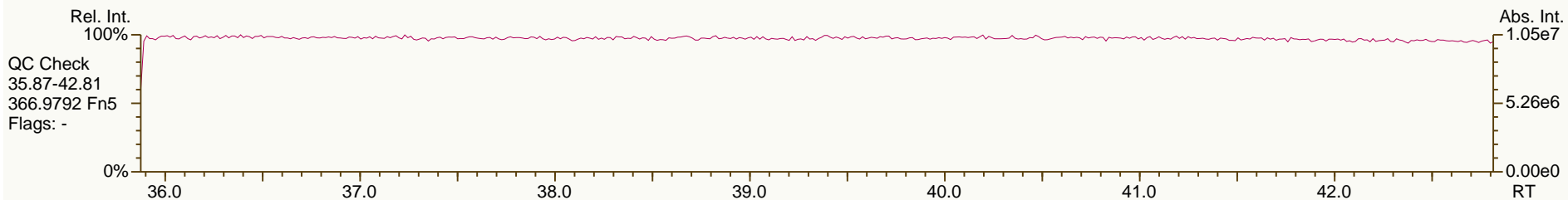
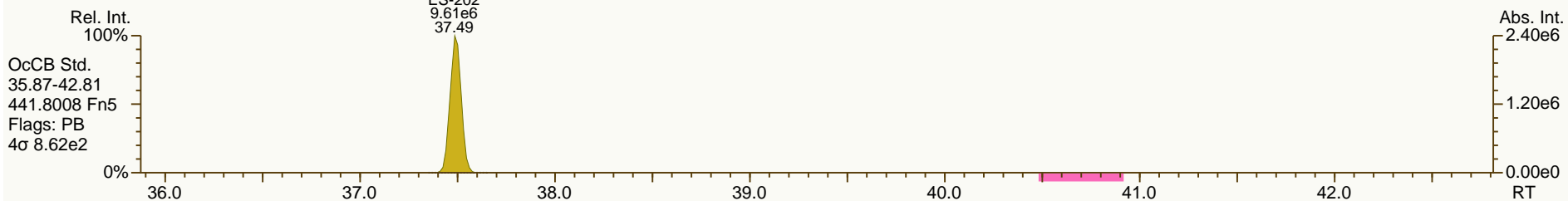
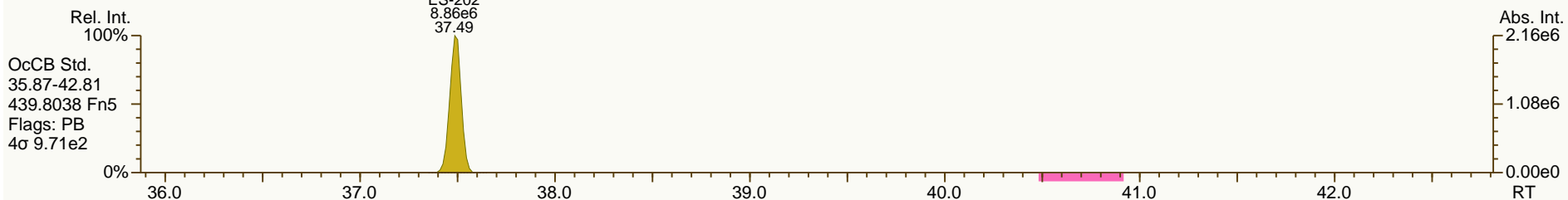
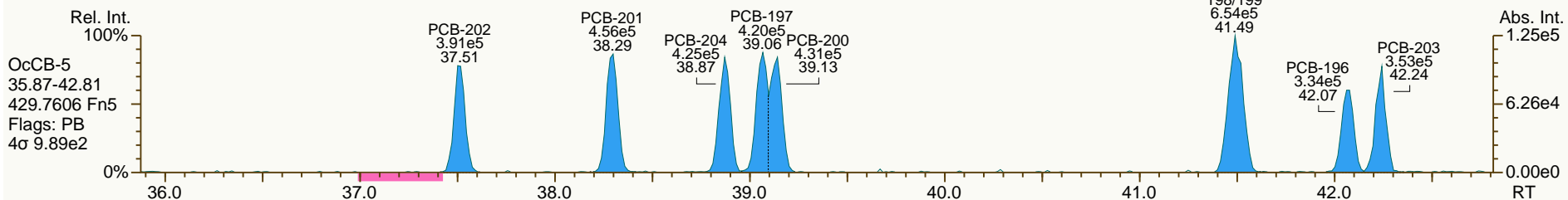
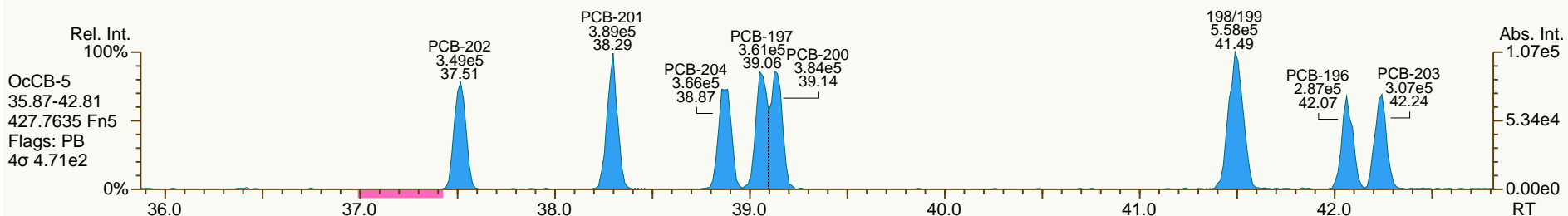
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

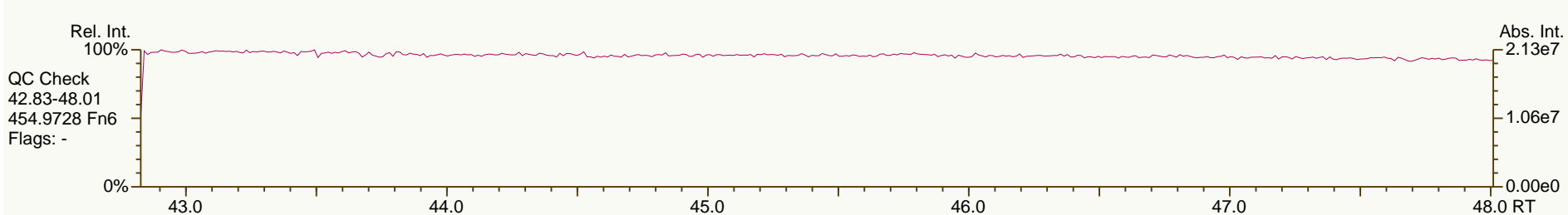
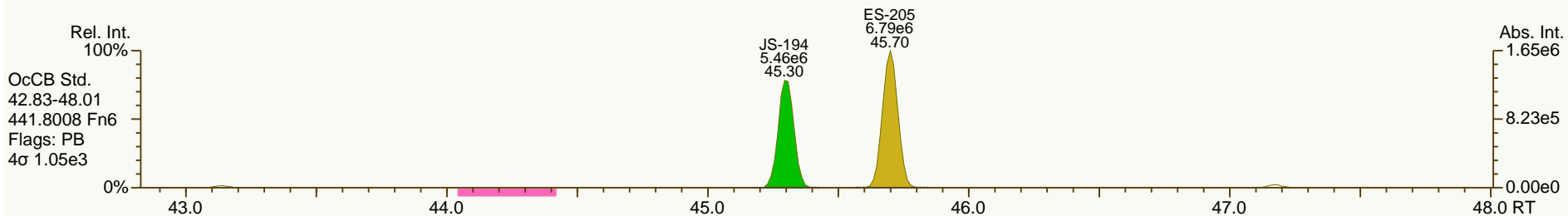
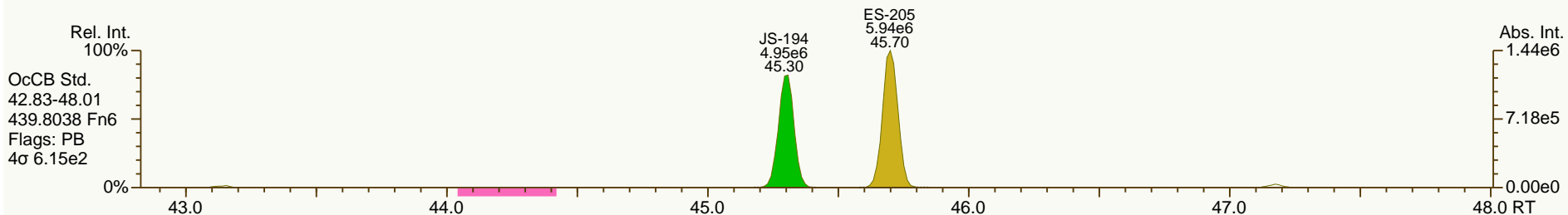
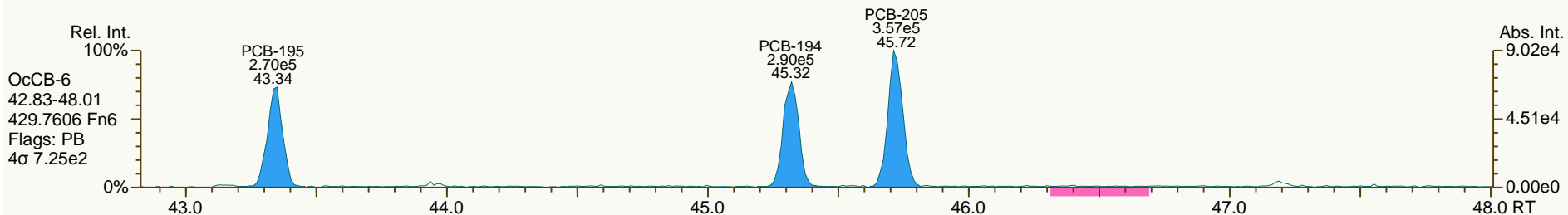
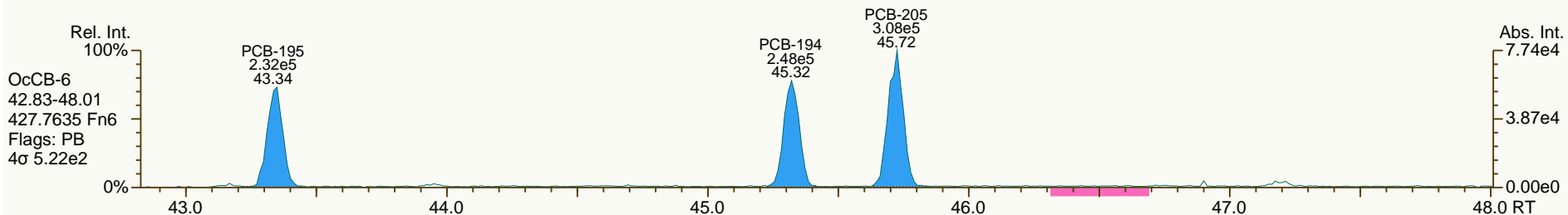
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

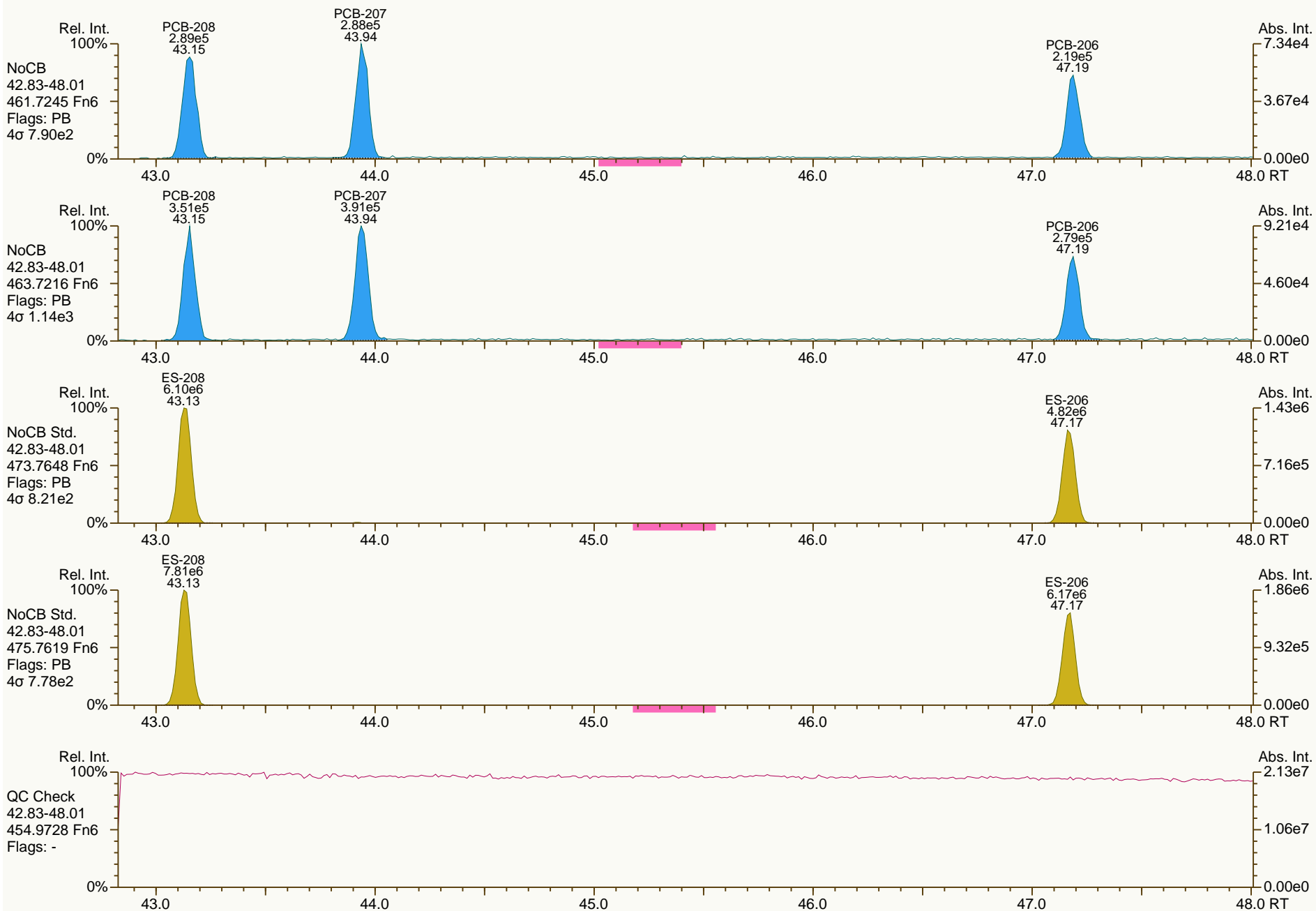
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

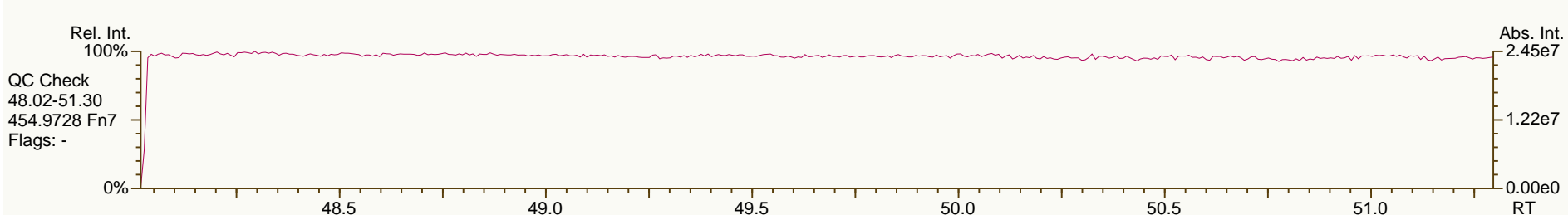
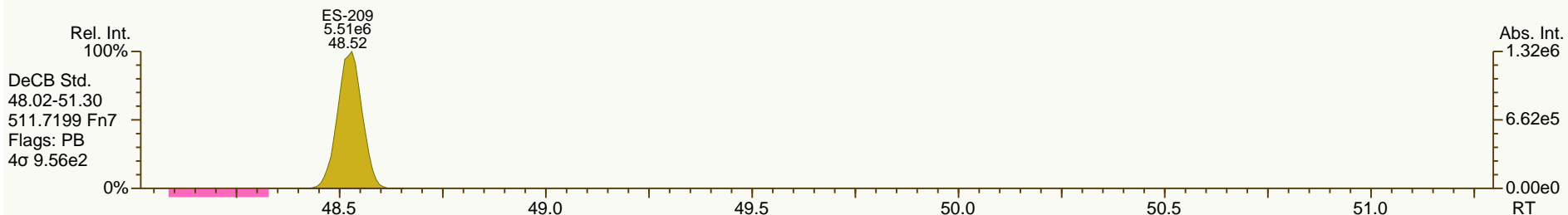
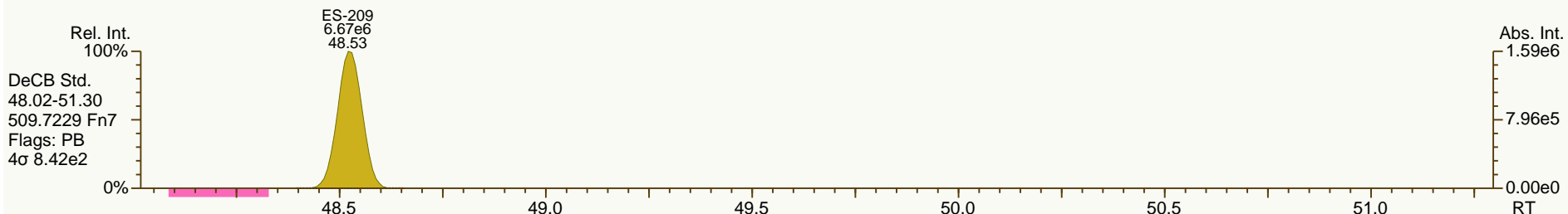
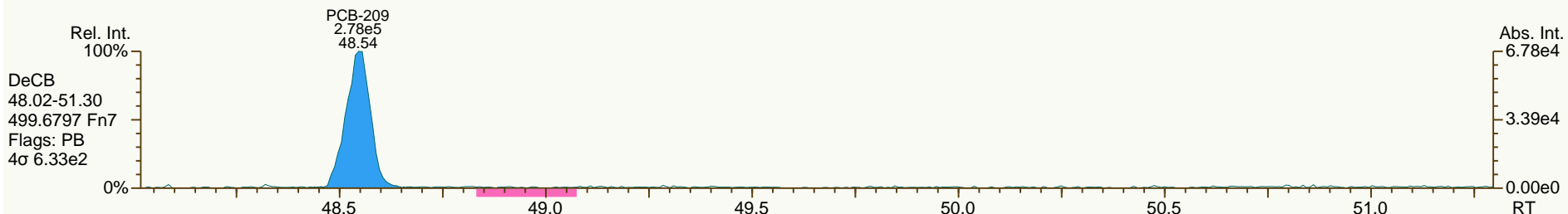
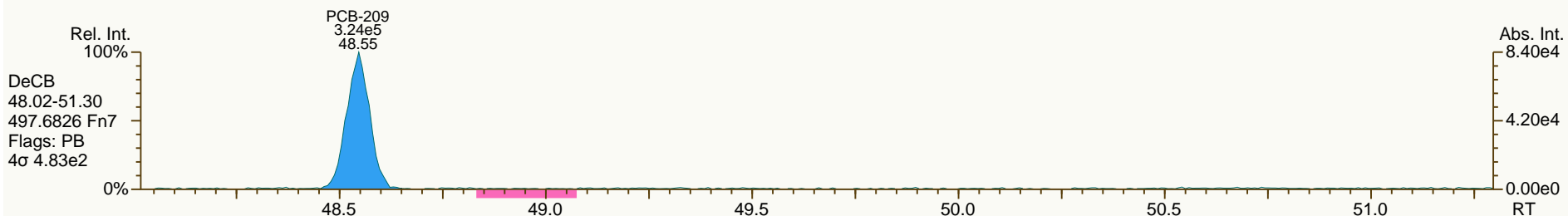
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 18:54							
Datafile:	120126S06							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.51	1.50E+07	0.78 Y	1.22	1.23	0.1%		
PCB-81 344'5'-TeCB	30.04	1.46E+07	0.77 Y	1.24	1.29	3.4%		
PCB-105 233'44'-PeCB	33.49	1.02E+07	0.60 Y	1.03	1.09	6.0%		
PCB-114 2344'5'-PeCB	32.95	1.10E+07	0.61 Y	1.10	1.16	5.5%		
PCB-118 23'44'5'-PeCB	32.51	1.05E+07	0.63 Y	1.03	1.09	5.8%		
PCB-123 2'344'5'-PeCB	32.22	1.02E+07	0.61 Y	0.93	0.98	5.5%		
PCB-126 33'44'5'-PeCB	36.11	1.19E+07	0.61 Y	1.11	1.11	0.0%		
PCB-156/157 233'44'5'/233'44'5'	38.66	1.96E+07	1.24 Y	1.05	1.06	1.7%		
PCB-167 23'44'55'-HxCB	37.70	1.01E+07	1.25 Y	1.08	1.10	2.1%		
PCB-169 33'44'55'-HxCB	41.40	9.87E+06	1.25 Y	1.04	1.09	4.2%		
PCB-189 233'44'55'-HpCB	43.53	1.16E+07	1.04 Y	1.11	1.14	2.8%		
PCB-209 DeCB	48.53	7.18E+06	1.15 Y	1.05	1.04	-1.2%		
ES PCB-1	10.48	3.32E+07	3.17 Y	1.01	1.00	-0.9%		
ES PCB-3	12.53	3.43E+07	3.23 Y	1.05	1.04	-1.3%		
ES PCB-4	12.76	2.29E+07	1.57 Y	0.70	0.69	-0.7%		
ES PCB-15	18.10	3.83E+07	1.62 Y	1.17	1.16	-1.0%		
ES PCB-19	15.60	1.87E+07	1.06 Y	0.57	0.57	-0.1%		
ES PCB-37	24.23	2.83E+07	1.08 Y	1.41	1.39	-1.3%		
ES PCB-54	18.35	2.64E+07	0.78 Y	1.32	1.30	-1.8%		
ES PCB-77	30.49	2.44E+07	0.80 Y	1.22	1.20	-1.3%		
ES PCB-81	30.02	2.27E+07	0.78 Y	1.15	1.12	-2.9%		
ES PCB-104	23.18	2.65E+07	1.53 Y	1.69	1.66	-1.7%		
ES PCB-105	33.47	1.88E+07	1.64 Y	1.21	1.17	-2.7%		
ES PCB-114	32.93	1.90E+07	1.61 Y	1.23	1.19	-3.3%		
ES PCB-118	32.48	1.91E+07	1.56 Y	1.25	1.20	-3.9%		
ES PCB-123	32.20	2.09E+07	1.57 Y	1.33	1.31	-1.4%		
ES PCB-126	36.09	2.13E+07	1.62 Y	1.36	1.34	-1.6%		
ES PCB-153	34.08	1.79E+07	1.28 Y	1.09	1.09	0.1%		
ES PCB-155	28.08	2.31E+07	1.23 Y	1.40	1.41	0.1%		
ES PCB-156/157	38.64	3.68E+07	1.29 Y	1.13	1.12	-1.0%		
ES PCB-167	37.67	1.83E+07	1.23 Y	1.13	1.11	-1.6%		
ES PCB-169	41.38	1.81E+07	1.26 Y	1.14	1.10	-3.4%		
ES PCB-170	40.87	1.43E+07	1.05 Y	1.23	1.21	-1.7%		
ES PCB-180	39.82	1.72E+07	1.08 Y	1.46	1.46	-0.6%		
ES PCB-188	32.94	2.26E+07	1.08 Y	1.34	1.37	2.4%		
ES PCB-189	43.51	2.03E+07	1.06 Y	1.77	1.72	-2.7%		
ES PCB-202	37.48	2.10E+07	0.91 Y	1.27	1.28	0.4%		
ES PCB-205	45.69	1.45E+07	0.90 Y	1.25	1.23	-1.9%		
ES PCB-206	47.15	1.25E+07	0.78 Y	1.07	1.06	-1.0%		
ES PCB-208	43.12	1.57E+07	0.77 Y	1.34	1.33	-0.9%		
ES PCB-209	48.51	1.38E+07	1.18 Y	1.18	1.17	-1.2%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS3_120126_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.77	2.76E+07	1.08 Y	0.98	0.98	-0.5%	
SS PCB-111	30.55	1.94E+07	1.57 Y	0.90	0.93	3.3%	
SS PCB-178	35.51	1.46E+07	1.08 Y	0.65	0.65	0.2%	
CS PCB-28	20.77	2.76E+07	1.08 Y	1.39	1.36	-1.7%	
CS PCB-111	30.55	1.94E+07	1.57 Y	1.19	1.21	1.8%	
CS PCB-178	35.51	1.46E+07	1.08 Y	0.87	0.89	2.6%	
JS PCB-9	14.59	3.30E+07	1.61 Y	-	-	-	
JS PCB-52	22.35	2.03E+07	0.77 Y	-	-	-	
JS PCB-101	28.26	1.60E+07	1.61 Y	-	-	-	
JS PCB-138	35.12	1.64E+07	1.26 Y	-	-	-	
JS PCB-194	45.29	1.18E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.49	1.99E+07	3.15 Y	1.20	1.20	0.2%	
PCB-3 4-MoCB	12.55	1.94E+07	3.13 Y	1.13	1.13	-0.2%	
PCB-4 22'-DiCB	12.77	1.13E+07	1.44 Y	0.94	0.98	4.2%	
PCB-15 44'-DiCB	18.11	1.96E+07	1.54 Y	1.01	1.02	1.6%	
PCB-19 22'6'-TrCB	15.62	9.46E+06	1.07 Y	1.01	1.01	0.0%	
PCB-37 344'-TrCB	24.25	1.70E+07	1.05 Y	1.20	1.20	0.2%	
PCB-54 22'66'-TeCB	18.37	1.24E+07	0.77 Y	0.93	0.94	1.1%	
PCB-104 22'466'-PeCB	23.20	1.22E+07	0.63 Y	0.92	0.92	0.3%	
PCB-153 22'44'55' -HxCB	34.12	2.08E+07	1.25 Y	1.15	1.16	1.4%	
PCB-155 22'44'66'-HxCB	28.11	1.25E+07	1.27 Y	1.06	1.08	2.1%	
PCB-170 22'33'44'5'-HpCB	40.89	7.32E+06	1.03 Y	1.00	1.02	2.4%	
PCB-180 22'344'55'-HpCB	39.81	1.80E+07	1.03 Y	1.01	1.04	2.9%	
PCB-188 22'34'566'-HpCB	32.96	1.21E+07	1.06 Y	1.07	1.07	0.4%	
PCB-202 22'33'55'66'-OcCB	37.50	8.66E+06	0.89 Y	0.83	0.83	-0.1%	
PCB-205 233'44'55'6'-OcCB	45.71	7.93E+06	0.88 Y	1.09	1.09	0.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.72E+06	0.80 Y	0.98	0.98	0.7%	
PCB-206 22'33'44'55'6'-NoCB	47.17	5.92E+06	0.80 Y	0.93	0.95	1.4%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.49	1.99E+07	3.15 Y	1.20	1.20	0.2%	
PCB-2 3-MoCB	12.38	1.98E+07	3.16 Y	1.13	1.16	2.3%	
PCB-3 4-MoCB	12.55	1.94E+07	3.13 Y	1.13	1.13	-0.2%	
PCB-4 22'-DiCB	12.77	1.13E+07	1.44 Y	0.94	0.98	4.2%	
PCB-10 26-DiCB	12.94	1.67E+07	1.51 Y	1.43	1.46	2.0%	
PCB-9 25-DiCB	14.61	1.68E+07	1.50 Y	0.87	0.88	1.3%	
PCB-7 24-DiCB	14.76	1.89E+07	1.53 Y	1.00	0.99	-1.6%	
PCB-6 23'-DiCB	14.97	1.82E+07	1.52 Y	0.94	0.95	1.5%	
PCB-5 23-DiCB	15.24	1.84E+07	1.49 Y	0.92	0.96	4.5%	
PCB-8 24'-DiCB	15.36	1.88E+07	1.50 Y	0.95	0.98	3.2%	
PCB-14 35-DiCB	16.83	2.20E+07	1.50 Y	1.09	1.15	4.8%	
PCB-11 33'-DiCB	17.57	1.93E+07	1.51 Y	0.98	1.01	3.0%	
PCB-13/12 34'-/34-DiCB	17.84	3.78E+07	1.52 Y	0.97	0.99	1.7%	
PCB-15 44'-DiCB	18.11	1.96E+07	1.54 Y	1.01	1.02	1.6%	
PCB-19 22'6-TrCB	15.62	9.46E+06	1.07 Y	1.01	1.01	0.0%	
PCB-30/18 246-/22'5-TrCB	17.29	2.49E+07	1.04 Y	1.29	1.33	2.8%	
PCB-17 22'4-TrCB	17.67	1.08E+07	1.03 Y	1.14	1.15	1.6%	
PCB-27 23'6-TrCB	17.86	1.41E+07	1.04 Y	1.48	1.51	1.5%	
PCB-24 236-TrCB	17.98	1.34E+07	1.03 Y	1.43	1.43	0.0%	
PCB-16 22'3-TrCB	18.06	8.46E+06	1.07 Y	0.89	0.90	1.2%	
PCB-32 24'6-TrCB	18.53	1.48E+07	1.06 Y	1.56	1.59	1.7%	
PCB-34 2'35-TrCB	19.65	1.68E+07	1.07 Y	1.18	1.19	0.7%	
PCB-23 235-TrCB	19.79	1.69E+07	1.05 Y	1.19	1.19	0.6%	
PCB-26/29 23'5-/245-TrCB	20.07	3.40E+07	1.05 Y	1.20	1.20	0.2%	
PCB-25 23'4-TrCB	20.26	1.69E+07	1.07 Y	1.19	1.19	0.0%	
PCB-31 24'5-TrCB	20.53	1.77E+07	1.06 Y	1.23	1.25	2.1%	
PCB-28/20 244'-/233'-TrCB	20.79	3.38E+07	1.05 Y	1.18	1.19	1.3%	
PCB-21/33 234-/2'34-TrCB	20.96	3.45E+07	1.05 Y	1.21	1.22	0.4%	
PCB-22 234'-TrCB	21.33	1.61E+07	1.04 Y	1.11	1.14	2.2%	
PCB-36 33'5-TrCB	22.70	1.76E+07	1.07 Y	1.21	1.24	2.4%	
PCB-39 34'5-TrCB	23.01	1.83E+07	1.06 Y	1.32	1.30	-1.6%	
PCB-38 345-TrCB	23.51	1.66E+07	1.07 Y	1.15	1.17	1.5%	
PCB-35 33'4-TrCB	23.90	1.63E+07	1.06 Y	1.13	1.15	1.6%	
PCB-37 344'-TrCB	24.25	1.70E+07	1.05 Y	1.20	1.20	0.2%	
PCB-54 22'66'-TeCB	18.37	1.24E+07	0.77 Y	0.93	0.94	1.1%	
PCB-50/53 22'46-/22'56'TeCB	20.30	1.95E+07	0.77 Y	0.83	0.86	3.0%	
PCB-45 22'36'-TeCB	20.85	8.19E+06	0.79 Y	0.71	0.72	2.3%	
PCB-51 22'46'-TeCB	20.93	1.03E+07	0.81 Y	0.88	0.91	3.2%	
PCB-46 22'36'-TeCB	21.12	8.08E+06	0.81 Y	0.69	0.71	2.4%	
PCB-52 22'55'-TeCB	22.38	9.42E+06	0.76 Y	0.80	0.83	3.4%	
PCB-73 23'5'6TeCB	22.50	1.20E+07	0.77 Y	1.03	1.06	2.7%	
PCB-43 22'35'-TeCB	22.59	8.31E+06	0.75 Y	0.71	0.73	3.7%	
PCB-69/49 23'46-/22'45'TeCB	22.78	2.25E+07	0.76 Y	0.96	0.99	3.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.05	9.63E+06	0.79 Y	0.84	0.85	1.6%	
PCB-44/47/65 22'35'-/22'44'-	23.26	3.02E+07	0.80 Y	0.86	0.89	3.4%	
PCB-59/62/75 233'6'-/2346-/24	23.53	3.84E+07	0.78 Y	1.09	1.13	3.3%	
PCB-42 22'34'-TeCB	23.69	8.98E+06	0.76 Y	0.77	0.79	3.3%	
PCB-41 22'34'-TeCB	24.01	8.52E+06	0.76 Y	0.73	0.75	3.4%	
PCB-71/40 23'4'6'/22'33'-TeCB	24.11	1.92E+07	0.78 Y	0.81	0.85	4.0%	
PCB-64 234'6'-TeCB	24.31	1.36E+07	0.77 Y	1.17	1.20	2.9%	
PCB-72 23'55'-TeCB	25.04	1.50E+07	0.79 Y	1.25	1.32	5.2%	
PCB-68 23'45'-TeCB	25.29	1.59E+07	0.78 Y	1.36	1.40	2.5%	
PCB-57 233'5'-TeCB	25.65	1.44E+07	0.77 Y	1.22	1.27	3.4%	
PCB-58 233'5'-TeCB	25.85	1.45E+07	0.79 Y	1.26	1.27	1.5%	
PCB-67 23'45'-TeCB	26.00	1.51E+07	0.79 Y	1.27	1.33	4.2%	
PCB-63 234'5'-TeCB	26.22	1.57E+07	0.77 Y	1.34	1.39	3.7%	
PCB-61/70/74/76 2345-/23'4'5	26.50	5.91E+07	0.79 Y	1.24	1.30	4.7%	
PCB-66 23'44'-TeCB	26.78	1.41E+07	0.77 Y	1.19	1.24	4.4%	
PCB-55 233'4'-TeCB	26.92	1.43E+07	0.77 Y	1.22	1.26	3.3%	
PCB-56 233'4'-TeCB	27.35	1.39E+07	0.77 Y	1.18	1.22	3.7%	
PCB-60 2344'-TeCB	27.53	1.45E+07	0.76 Y	1.24	1.28	3.5%	
PCB-80 33'55'-TeCB	27.91	1.64E+07	0.80 Y	1.37	1.44	5.0%	
PCB-79 33'45'-TeCB	29.20	1.62E+07	0.76 Y	1.37	1.42	4.1%	
PCB-78 33'45'-TeCB	29.67	1.37E+07	0.77 Y	1.19	1.21	1.3%	
PCB-104 22'466'-PeCB	23.20	1.22E+07	0.63 Y	0.92	0.92	0.3%	
PCB-96 22'366'-PeCB	23.50	1.07E+07	0.62 Y	0.81	0.81	-0.2%	
PCB-103 22'45'6'-PeCB	25.20	8.28E+06	0.61 Y	0.78	0.79	2.3%	
PCB-94 22'356'-PeCB	25.37	7.40E+06	0.62 Y	0.71	0.71	-0.5%	
PCB-95 22'35'6'-PeCB	25.75	7.77E+06	0.61 Y	0.74	0.74	0.3%	
PCB-100/93 22'44'6'-/22'356-P	25.96	1.61E+07	0.62 Y	0.75	0.77	3.4%	
PCB-102 22'456'-PeCB	26.06	7.69E+06	0.61 Y	0.75	0.74	-1.6%	
PCB-98 22'3'46'-PeCB	26.13	7.90E+06	0.62 Y	0.71	0.76	6.4%	
PCB-88 22'346'-PeCB	26.42	6.83E+06	0.63 Y	0.66	0.65	-1.6%	
PCB-91 22'34'6'-PeCB	26.49	9.07E+06	0.63 Y	0.84	0.87	3.6%	
PCB-84 22'33'6'-PeCB	26.67	6.93E+06	0.62 Y	0.65	0.66	2.1%	
PCB-89 22'346'-PeCB	27.08	7.29E+06	0.61 Y	0.69	0.70	1.6%	
PCB-121 23'45'6'-PeCB	27.47	1.06E+07	0.62 Y	0.98	1.01	3.1%	
PCB-92 22'355'-PeCB	27.78	7.43E+06	0.61 Y	0.72	0.71	-0.6%	
PCB-113/90/101 233'5'6'-/22'3	28.25	2.57E+07	0.61 Y	0.81	0.82	1.5%	
PCB-83 22'33'5'-PeCB	28.67	6.74E+06	0.60 Y	0.62	0.65	3.6%	
PCB-99 22'44'5'-PeCB	28.78	7.89E+06	0.61 Y	0.76	0.76	-1.1%	
PCB-112 233'56'-PeCB	28.87	1.03E+07	0.61 Y	0.96	0.99	2.7%	
PCB-108/119/86/97/125/87 233	29.21	5.35E+07	0.61 Y	0.83	0.85	3.3%	
PCB-117 234'56'-PeCB	29.74	9.77E+06	0.60 Y	0.94	0.94	-0.5%	
PCB-116/85 23456-/22'344'-Pe	29.82	1.75E+07	0.63 Y	0.81	0.84	3.8%	
PCB-110 233'4'6'-PeCB	29.95	9.77E+06	0.61 Y	0.92	0.94	1.6%	

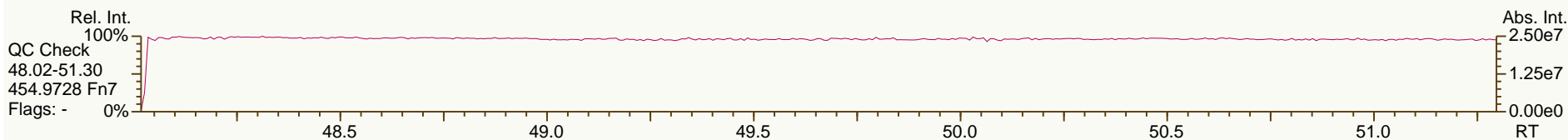
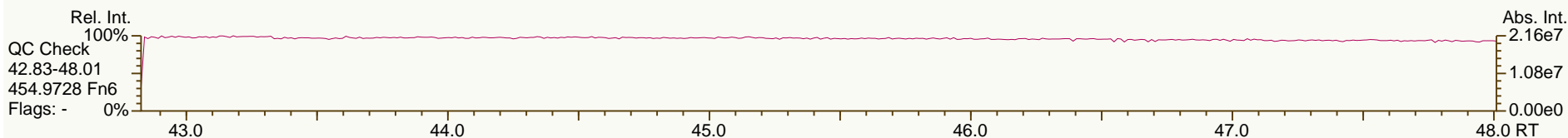
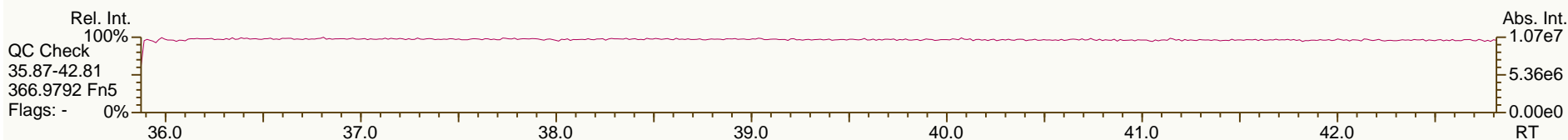
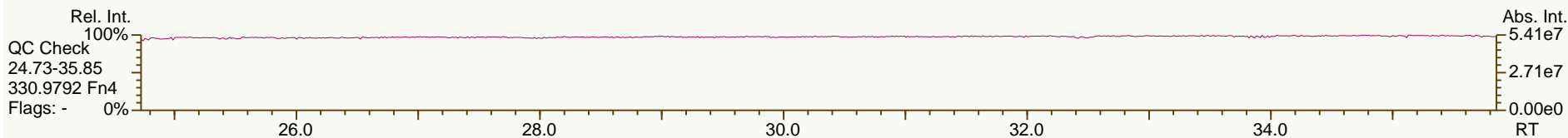
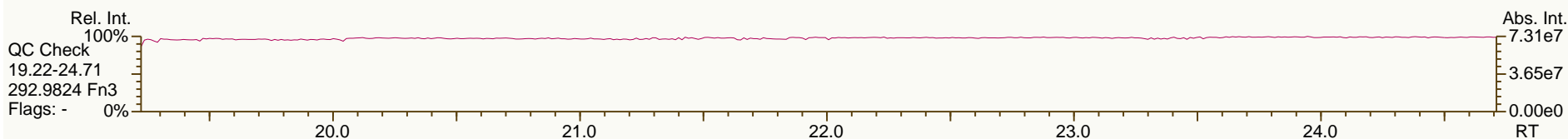
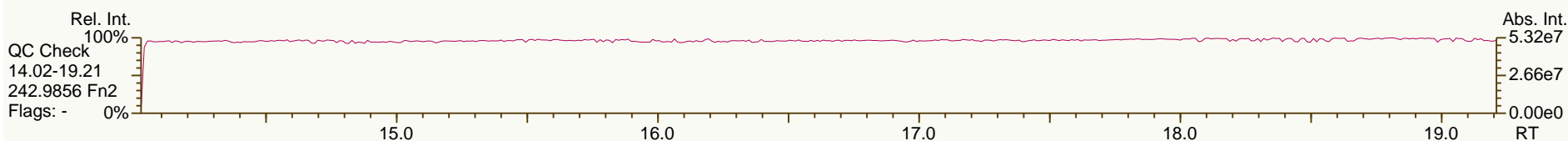
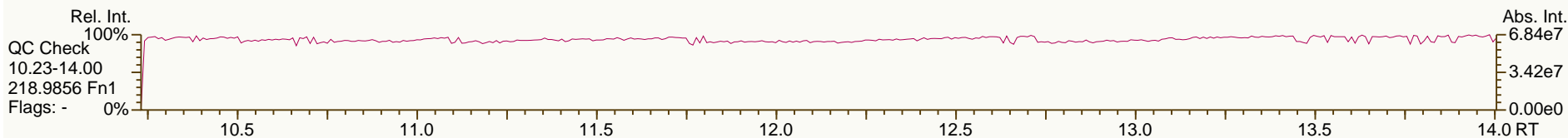
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.03	1.01E+07	0.63 Y	0.95	0.97	2.0%	
PCB-82 22'33'4-PeCB	30.21	6.53E+06	0.61 Y	0.62	0.63	1.5%	
PCB-111 233'55'-PeCB	30.58	1.04E+07	0.61 Y	0.98	1.00	1.4%	
PCB-120 23'455'-PeCB	30.97	1.06E+07	0.61 Y	0.99	1.01	1.8%	
PCB-107/124 233'4'5-/2'3455'	31.92	1.99E+07	0.62 Y	0.92	0.95	3.5%	
PCB-109 233'46-PeCB	32.12	1.07E+07	0.61 Y	1.00	1.02	2.9%	
PCB-106 233'45-PeCB	32.32	1.04E+07	0.61 Y	0.96	1.00	3.5%	
PCB-122 2'33'45-PeCB	32.78	9.49E+06	0.62 Y	0.93	1.00	7.5%	
PCB-127 33'455'-PeCB	34.75	1.02E+07	0.61 Y	1.04	1.09	4.6%	
PCB-155 22'44'66'-HxCB	28.11	1.25E+07	1.27 Y	1.06	1.08	2.1%	
PCB-152 22'3566'-HxCB	28.24	1.14E+07	1.26 Y	0.98	0.99	0.9%	
PCB-150 22'34'66'-HxCB	28.39	1.17E+07	1.26 Y	0.99	1.01	2.6%	
PCB-136 22'33'66'-HxCB	28.68	1.07E+07	1.24 Y	0.92	0.92	0.3%	
PCB-145 22'3466'HxCB	28.95	1.09E+07	1.21 Y	0.94	0.94	0.5%	
PCB-148 22'34'56'-HxCB	30.25	8.54E+06	1.23 Y	0.95	0.96	0.9%	
PCB-151/135 22'355'6-/22'33'	30.76	1.68E+07	1.24 Y	0.92	0.94	2.2%	
PCB-154 22'44'5'6-HxCB	30.98	9.24E+06	1.22 Y	1.01	1.03	1.9%	
PCB-144 22'345'6-HxCB	31.23	8.53E+06	1.24 Y	0.93	0.96	2.7%	
PCB-147/149 22'34'56-/22'34'	31.53	1.71E+07	1.24 Y	0.94	0.96	2.5%	
PCB-134 22'33'56-HxCB	31.69	6.95E+06	1.28 Y	0.78	0.78	-0.8%	
PCB-143 22'3456'-HxCB	31.77	8.19E+06	1.25 Y	0.90	0.92	2.4%	
PCB-139/140 22'344'6-/22'344'	32.04	1.76E+07	1.26 Y	0.95	0.99	3.8%	
PCB-131 22'33'46-HxCB	32.20	7.53E+06	1.27 Y	0.84	0.84	0.9%	
PCB-142 22'3456-HxCB	32.34	7.76E+06	1.30 Y	0.87	0.87	-0.1%	
PCB-132 22'33'46'-HxCB	32.58	7.80E+06	1.24 Y	0.88	0.87	-0.4%	
PCB-133 22'33'55'-HxCB	33.03	7.89E+06	1.25 Y	0.89	0.88	-0.6%	
PCB-165 233'55'6-HxCB	33.37	9.69E+06	1.28 Y	1.06	1.09	2.1%	
PCB-146 22'34'55'-HxCB	33.58	8.61E+06	1.23 Y	0.94	0.96	2.2%	
PCB-161 233'45'6-HxCB	33.69	1.06E+07	1.27 Y	1.20	1.19	-0.8%	
PCB-153/168 22'44'55'-/23'44'	34.12	2.08E+07	1.25 Y	1.15	1.16	1.4%	
PCB-141 22'3455'-HxCB	34.25	7.99E+06	1.24 Y	0.91	0.89	-2.0%	
PCB-130 22'33'45'-HxCB	34.59	7.45E+06	1.27 Y	0.82	0.83	1.5%	
PCB-137 22'344'5-HxCB	34.79	9.24E+06	1.27 Y	1.00	1.04	3.2%	
PCB-164 233'4'5'6-HxCB	34.88	1.02E+07	1.28 Y	1.14	1.14	0.3%	
PCB-163/138/129 233'4'56-/22'	35.16	2.66E+07	1.26 Y	0.98	0.99	0.7%	
PCB-160 233'456-HxCB	35.29	1.04E+07	1.25 Y	1.14	1.17	2.0%	
PCB-158 233'44'6-HxCB	35.48	1.12E+07	1.28 Y	1.24	1.26	1.1%	
PCB-128/166 22'33'44'-/2344'5	36.20	1.65E+07	1.24 Y	0.86	0.90	4.5%	
PCB-159 233'455'-HxCB	37.05	9.41E+06	1.24 Y	1.03	1.03	0.2%	
PCB-162 233'4'55'-HxCB	37.29	9.81E+06	1.22 Y	1.04	1.07	3.3%	
PCB-188 22'34'566'-HpCB	32.96	1.21E+07	1.06 Y	1.07	1.07	0.4%	
PCB-179 22'33'566'-HpCB	33.23	1.13E+07	1.04 Y	0.98	1.00	2.4%	
PCB-184 22'344'66'-HpCB	33.70	1.08E+07	1.07 Y	0.97	0.95	-1.9%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
Lab ID:	CS3_120126_PCB_SB			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.98	1.22E+07	1.06 Y	1.06	1.08	1.2%	
PCB-186 22'34566'-HpCB	34.36	1.16E+07	1.05 Y	1.02	1.03	0.9%	
PCB-178 22'33'55'6'-HpCB	35.53	8.75E+06	1.07 Y	0.77	0.78	0.5%	
PCB-175 22'33'45'6'-HpCB	36.08	7.76E+06	1.07 Y	0.89	0.90	0.8%	
PCB-187 22'34'55'6'-HpCB	36.31	8.13E+06	1.04 Y	0.94	0.94	0.8%	
PCB-182 22'344'56'-HpCB	36.48	8.46E+06	1.05 Y	0.95	0.98	3.4%	
PCB-183 22'344'5'6'-HpCB	36.83	9.15E+06	1.03 Y	0.96	1.06	10.9%	
PCB-185 22'3455'6'-HpCB	36.90	7.56E+06	1.04 Y	0.93	0.88	-5.7%	
PCB-174 22'33'456'-HpCB	37.01	6.92E+06	1.06 Y	0.80	0.80	0.2%	
PCB-177 22'33'4'56'-HpCB	37.38	7.16E+06	1.01 Y	0.82	0.83	1.8%	
PCB-181 22'344'56'-HpCB	37.73	8.22E+06	1.03 Y	0.91	0.95	4.5%	
PCB-171/173 22'33'44'6'-/22'3	37.90	1.46E+07	1.03 Y	0.81	0.85	4.0%	
PCB-172 22'33'455'-HpCB	39.29	7.41E+06	1.02 Y	0.83	0.86	4.0%	
PCB-192 233'455'6'-HpCB	39.54	9.52E+06	1.03 Y	1.09	1.10	1.1%	
PCB-180/193 22'344'55'-/233'	39.81	1.80E+07	1.03 Y	1.01	1.04	2.9%	
PCB-191 233'44'5'6'-HpCB	40.14	9.88E+06	1.03 Y	1.13	1.15	1.1%	
PCB-170 22'33'44'5'-HpCB	40.89	7.32E+06	1.03 Y	1.00	1.02	2.4%	
PCB-190 233'44'56'-HpCB	41.35	9.73E+06	1.02 Y	1.35	1.36	0.4%	
PCB-202 22'33'55'66'-OcCB	37.50	8.66E+06	0.89 Y	0.83	0.83	-0.1%	
PCB-201 22'33'45'66'-OcCB	38.28	9.93E+06	0.89 Y	0.93	0.95	2.3%	
PCB-204 22'344'566'-OcCB	38.86	9.26E+06	0.89 Y	0.89	0.88	-0.9%	
PCB-197 22'33'44'66'-OcCB	39.05	9.55E+06	0.84 Y	0.91	0.91	-0.2%	
PCB-200 22'33'4566'-OcCB	39.12	9.97E+06	0.89 Y	0.93	0.95	2.4%	
PCB-198/199 22'33'455'6'-/22'	41.48	1.46E+07	0.88 Y	0.68	0.69	1.7%	
PCB-196 22'33'44'56'-OcCB	42.05	7.51E+06	0.89 Y	0.72	0.72	-0.1%	
PCB-203 22'344'55'6'-OcCB	42.22	7.74E+06	0.90 Y	0.74	0.74	0.1%	
PCB-195 22'33'44'56'-OcCB	43.33	5.96E+06	0.92 Y	0.81	0.82	1.4%	
PCB-194 22'33'44'55'-OcCB	45.31	6.37E+06	0.88 Y	0.86	0.88	2.5%	
PCB-205 233'44'55'6'-OcCB	45.71	7.93E+06	0.88 Y	1.09	1.09	0.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.72E+06	0.80 Y	0.98	0.98	0.7%	
PCB-207 22'33'44'566'-NoCB	43.93	8.06E+06	0.76 Y	1.02	1.03	1.0%	
PCB-206 22'33'44'55'6'-NoCB	47.17	5.92E+06	0.80 Y	0.93	0.95	1.4%	

AP Lab ID: CS3_120126_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

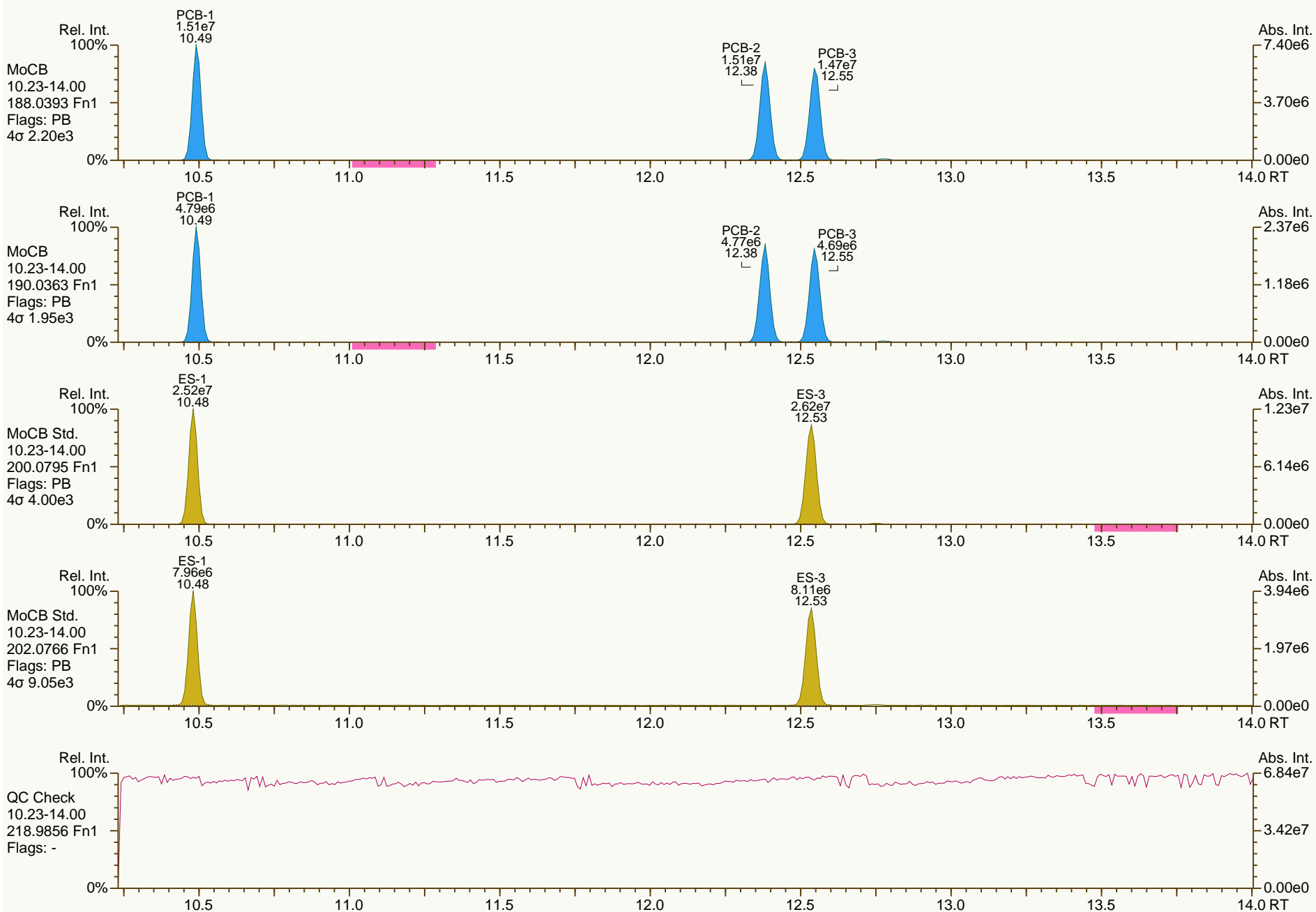
Acq: 26-Jan-2012 18:54:44
User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

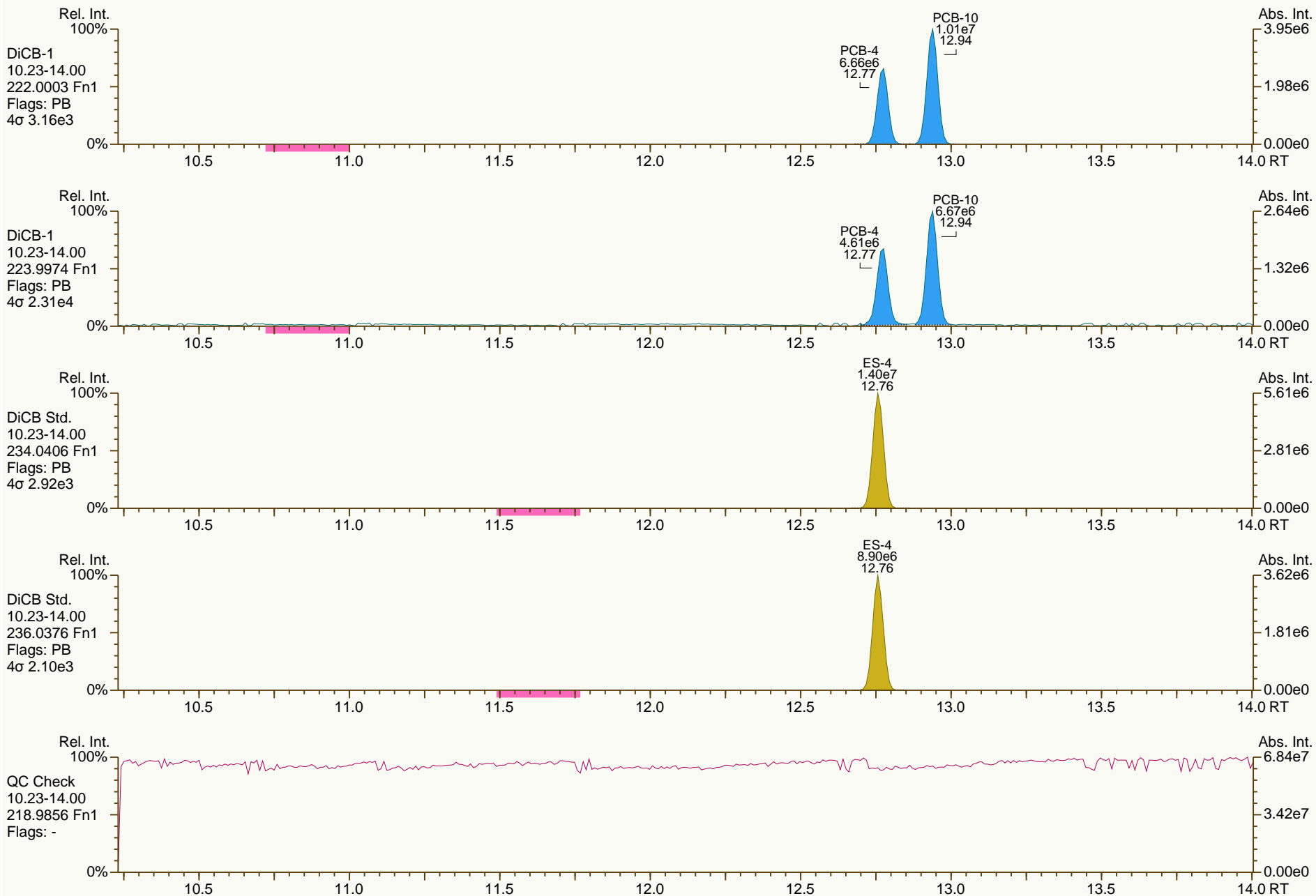
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

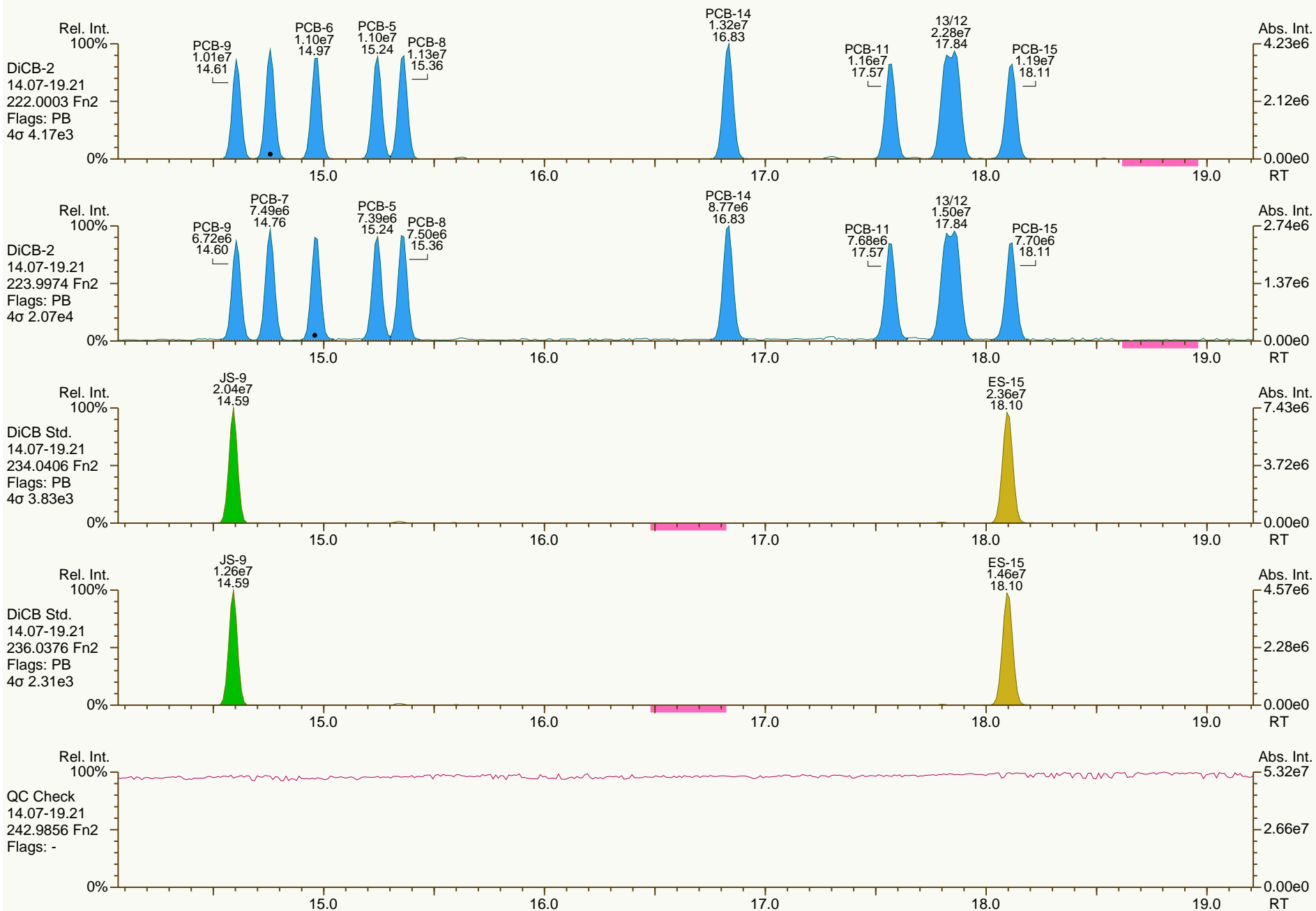
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

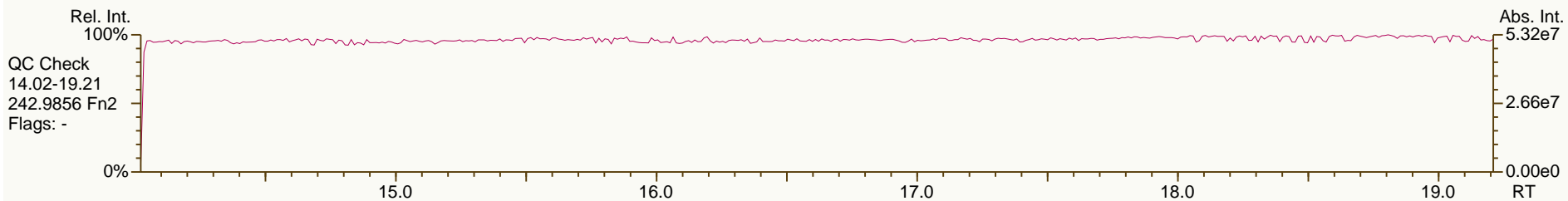
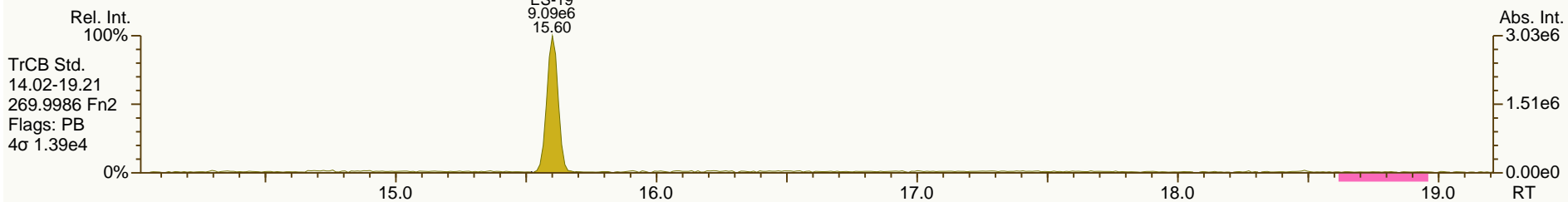
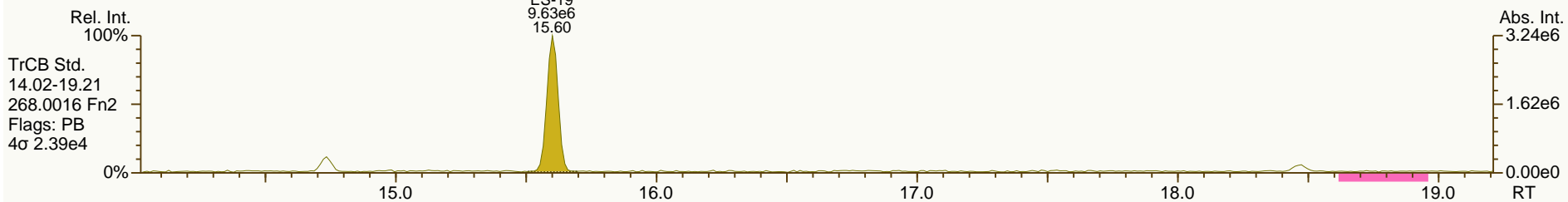
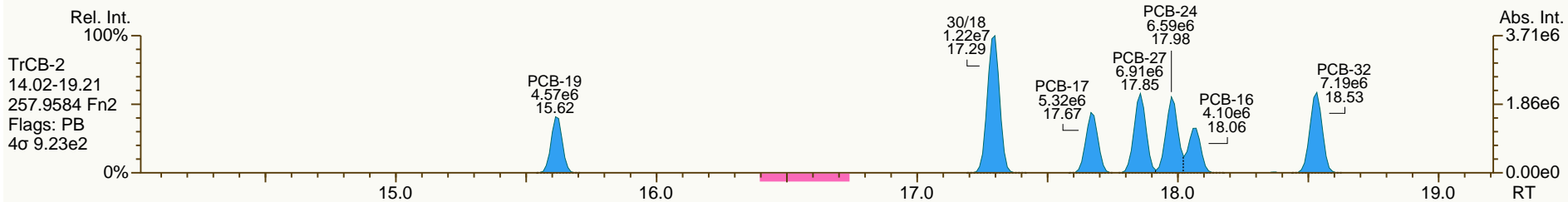
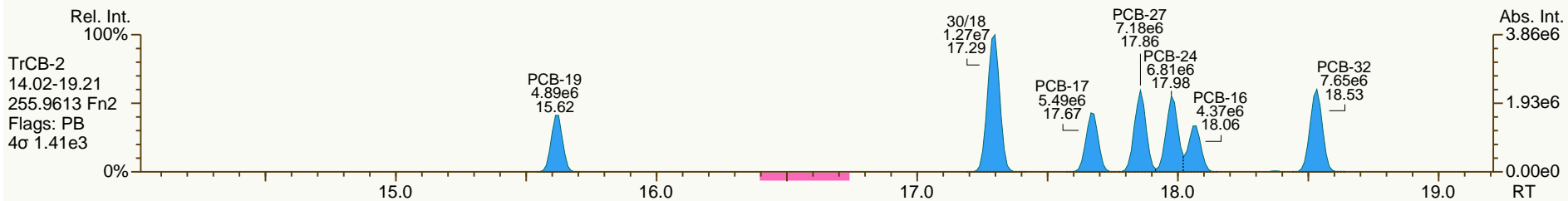
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

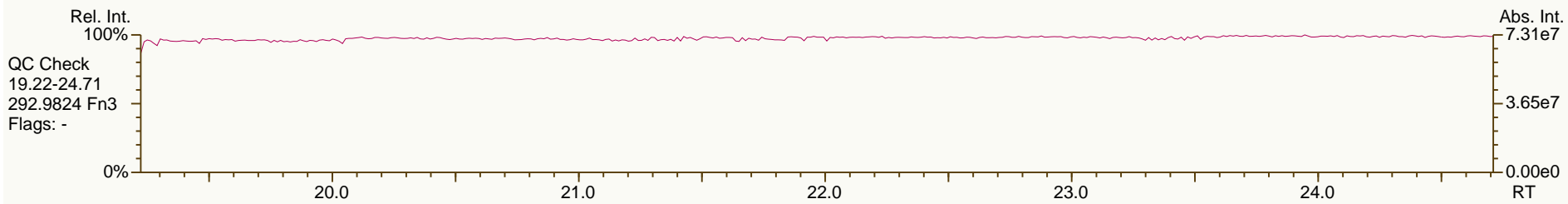
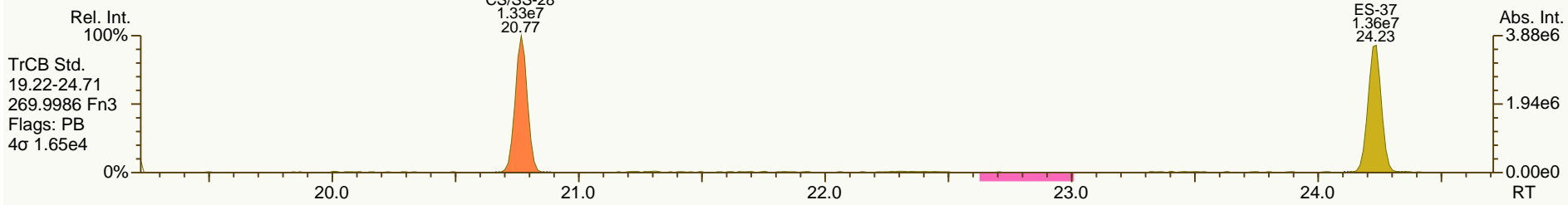
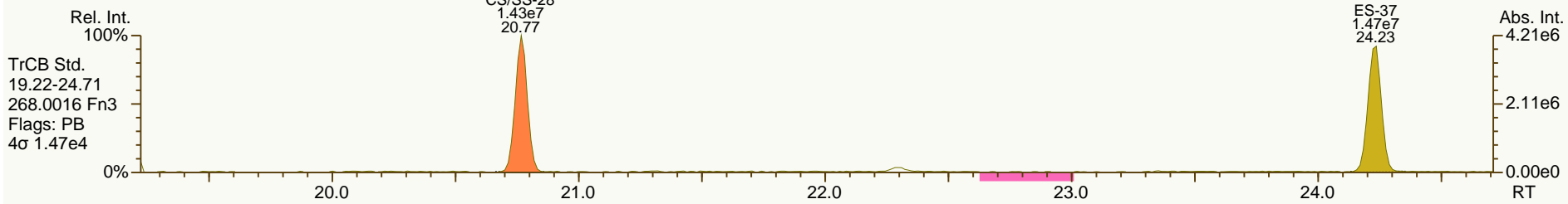
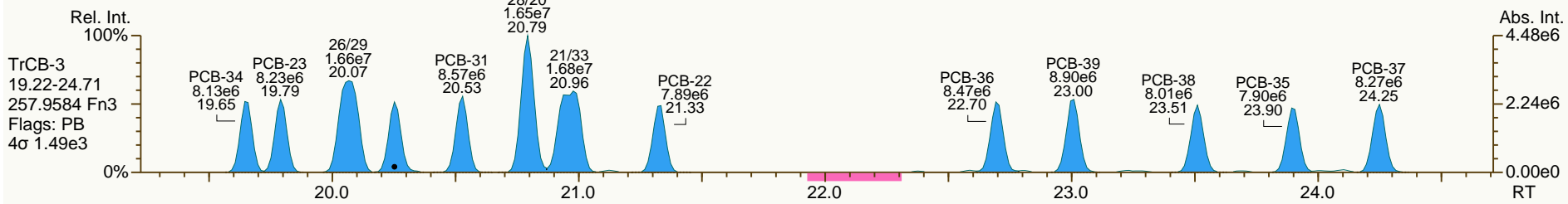
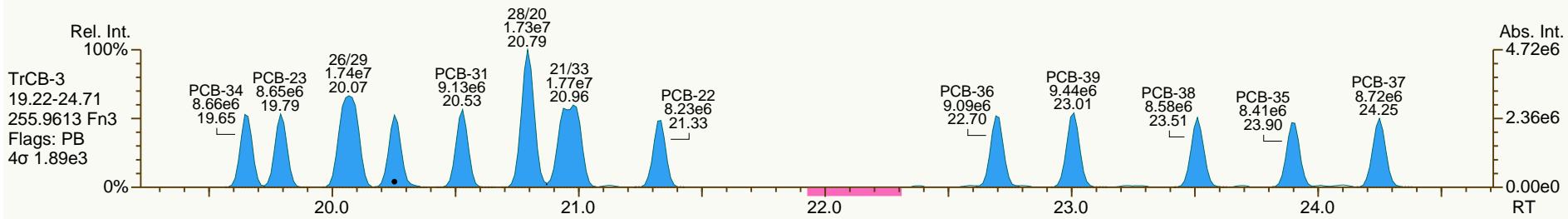
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

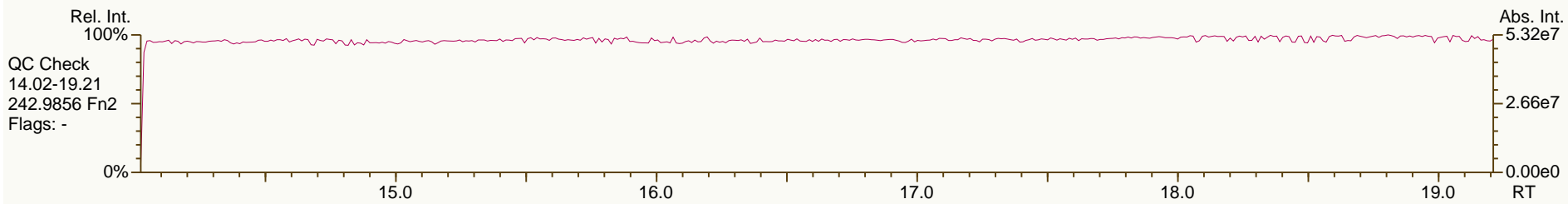
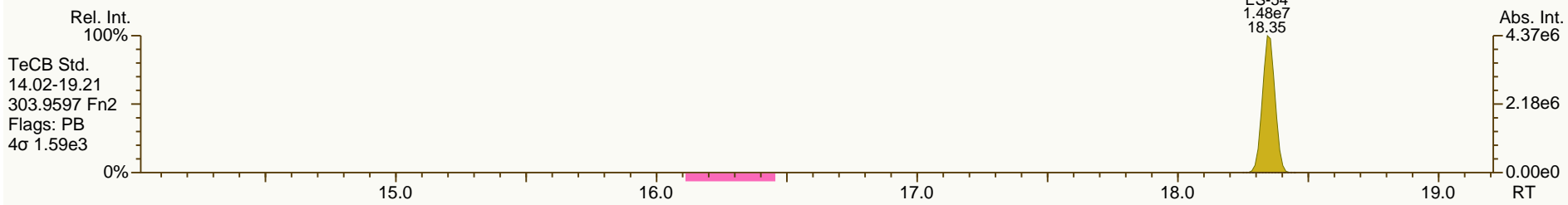
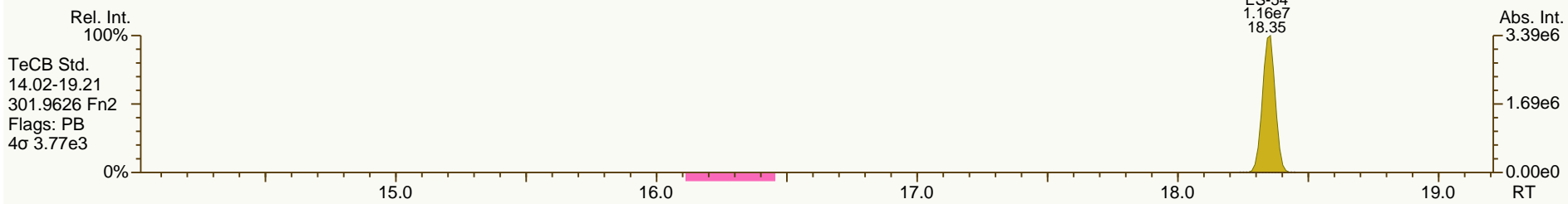
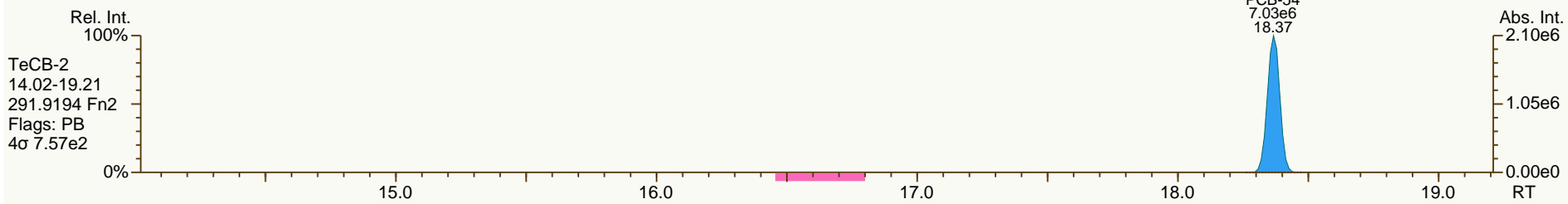
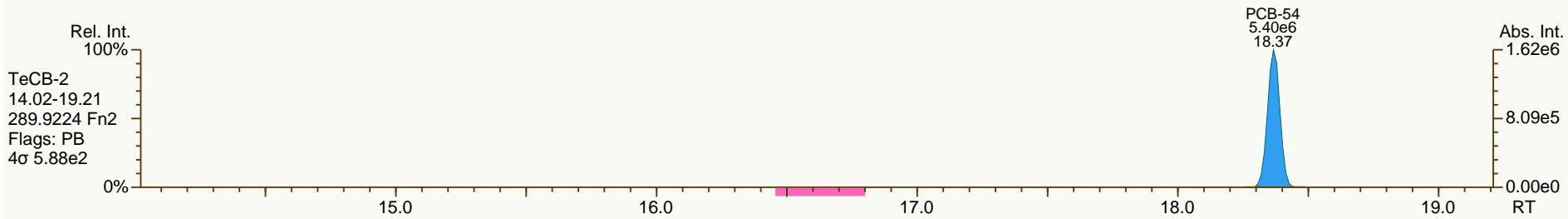
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

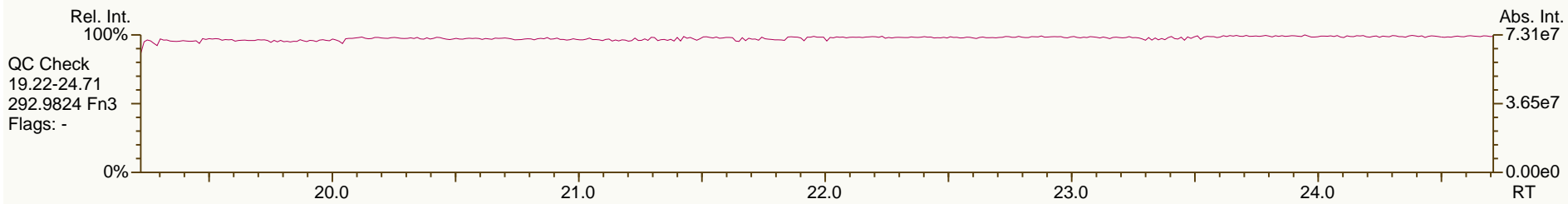
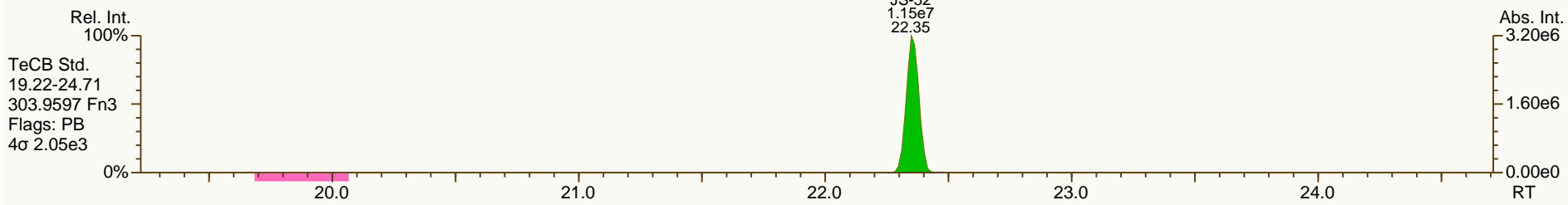
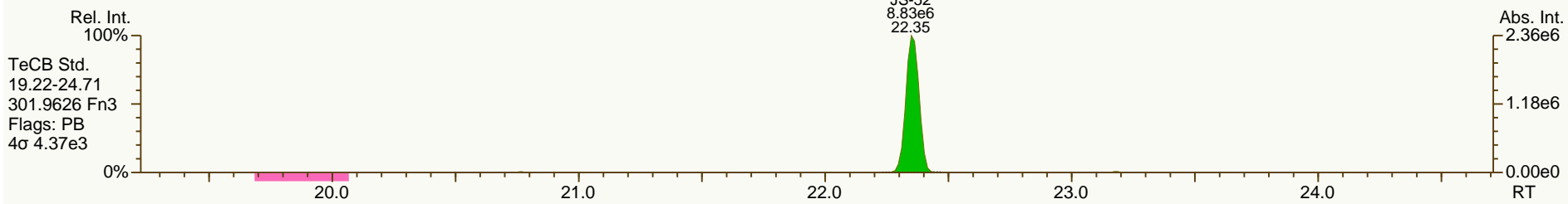
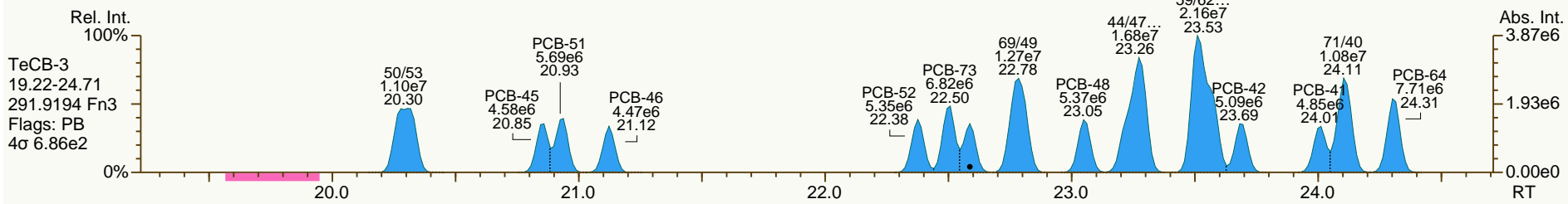
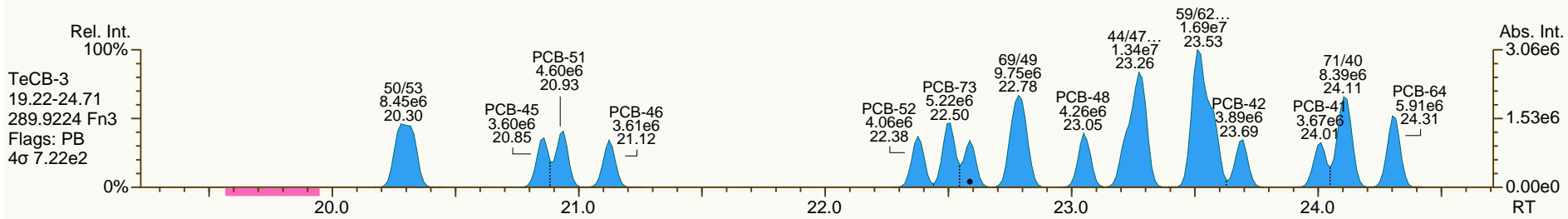
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

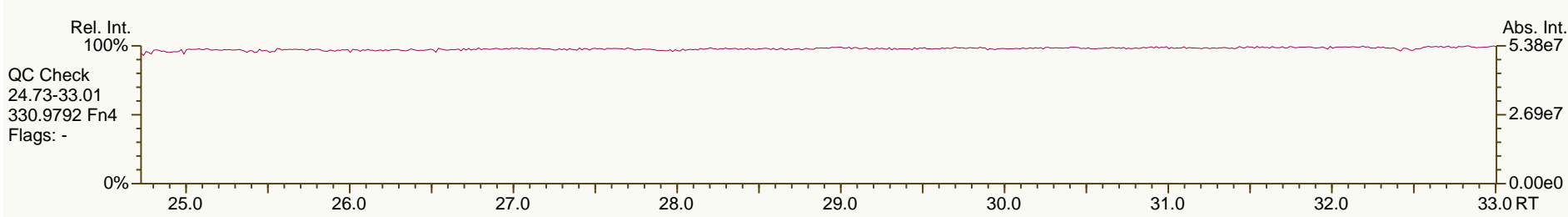
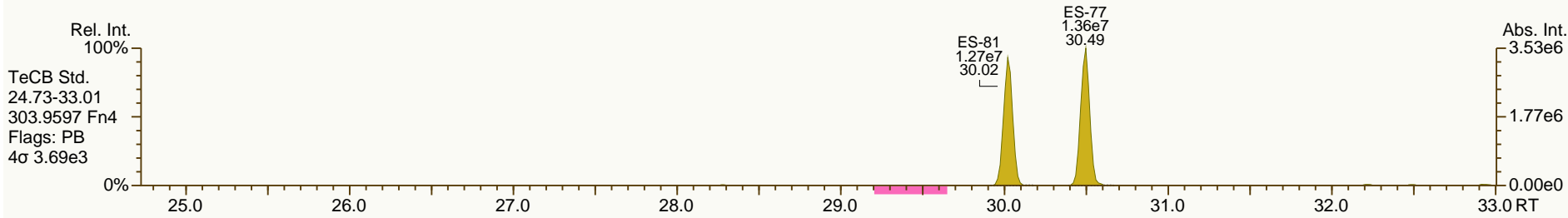
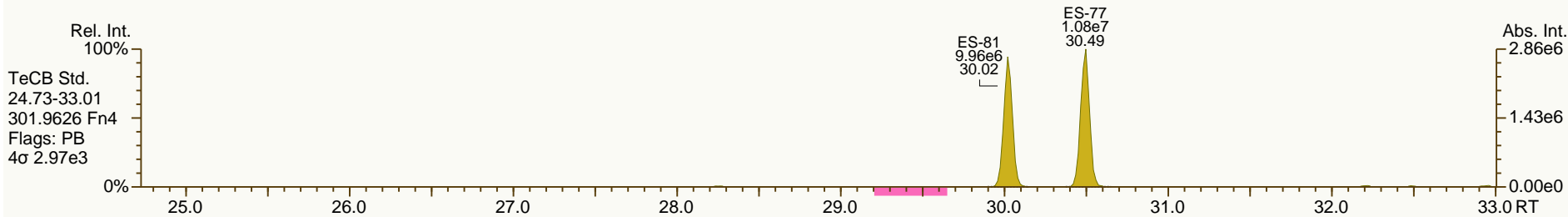
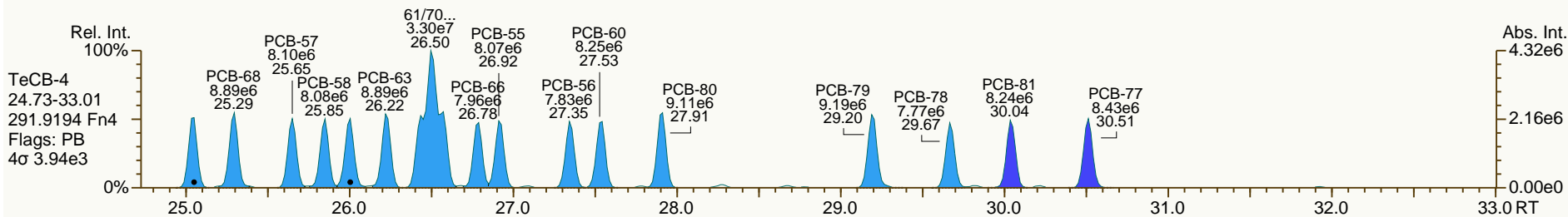
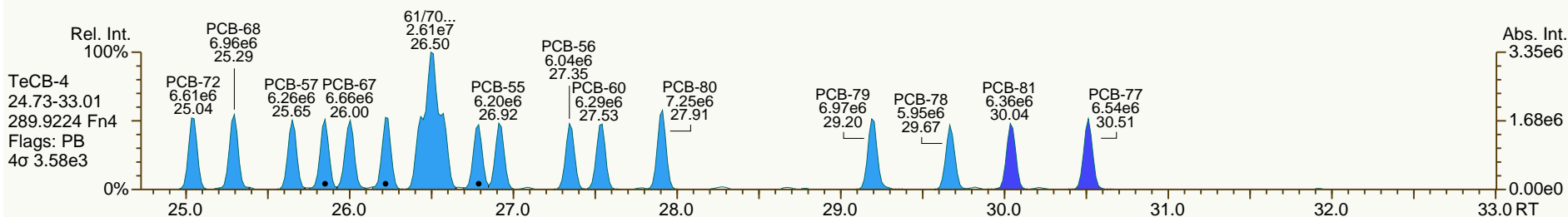
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

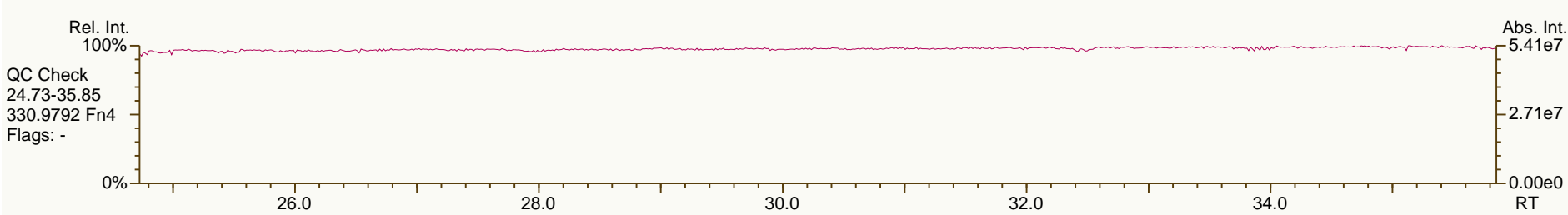
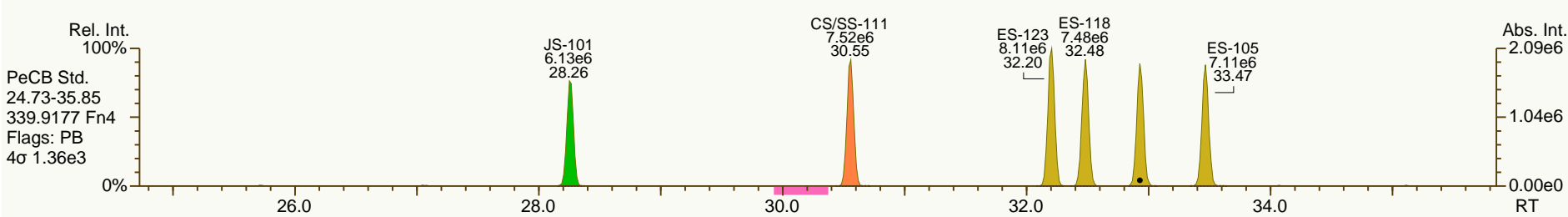
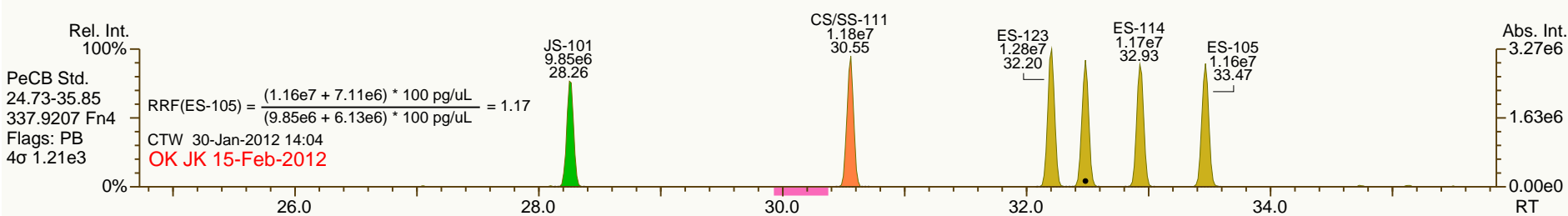
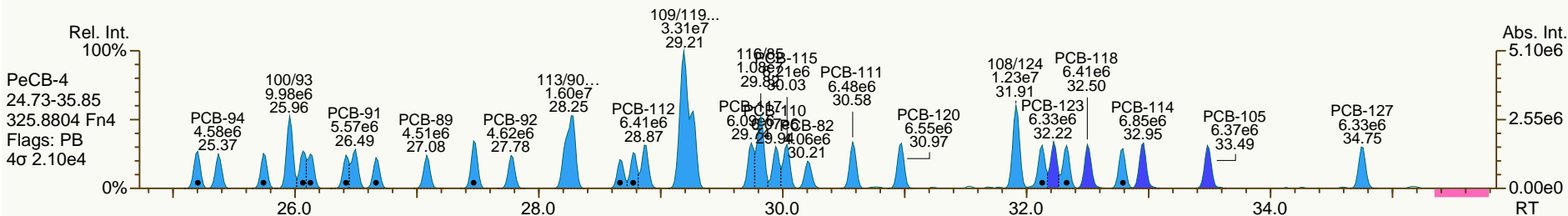
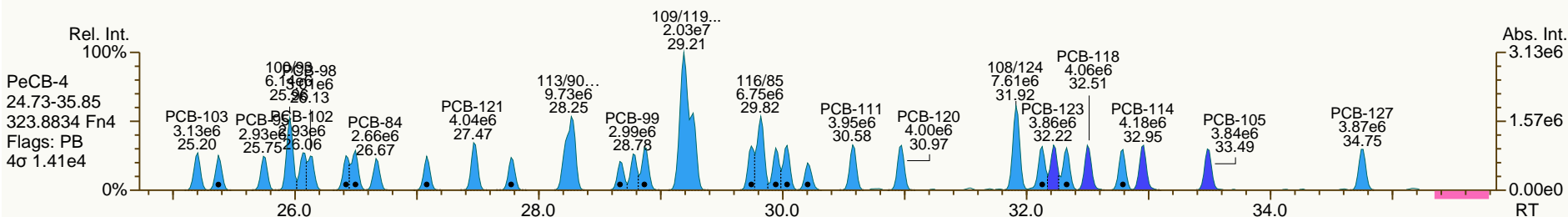
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

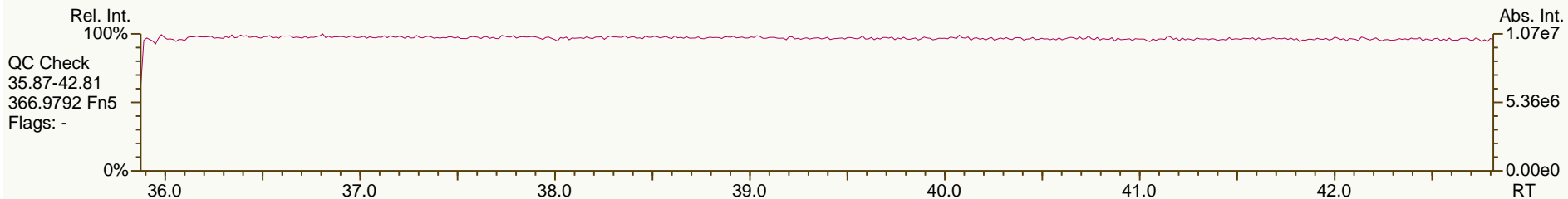
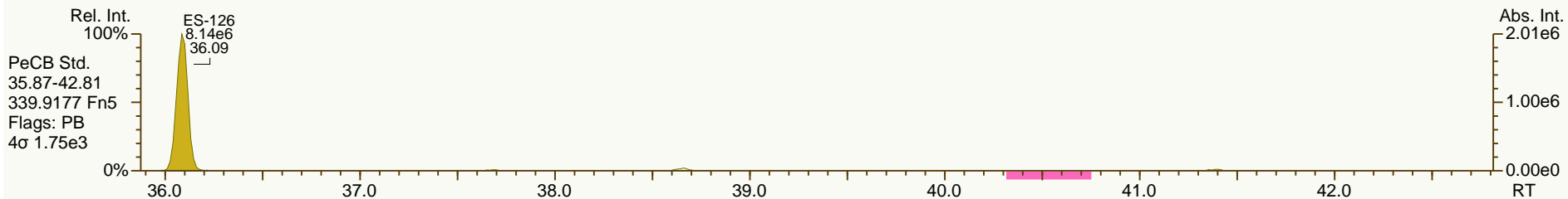
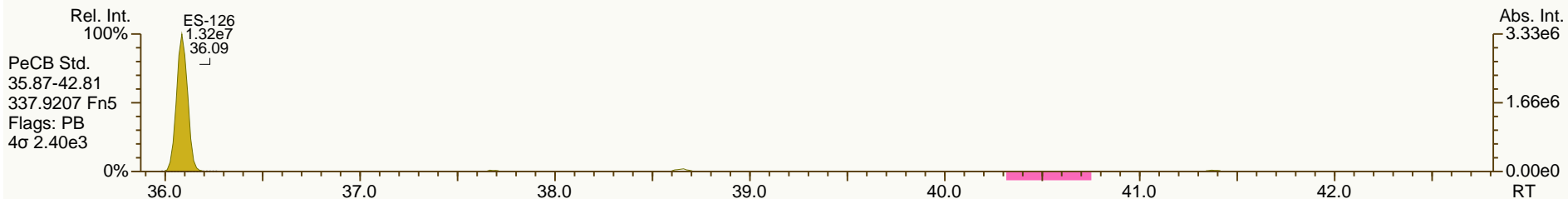
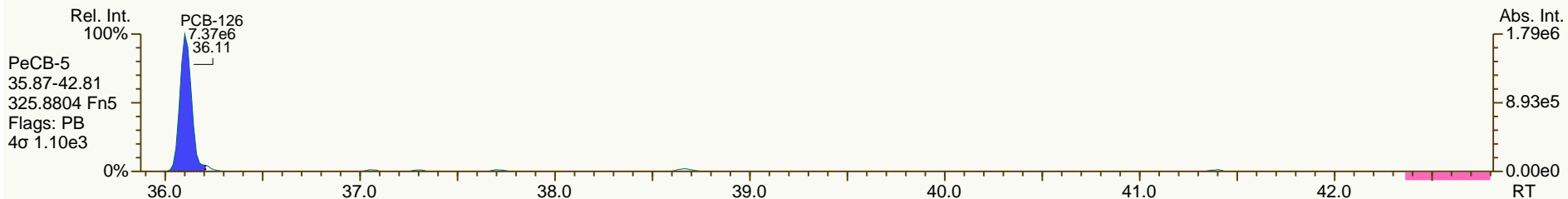
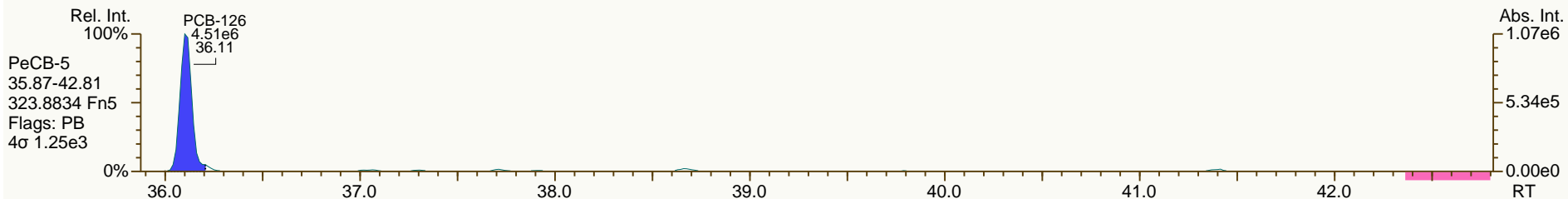
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

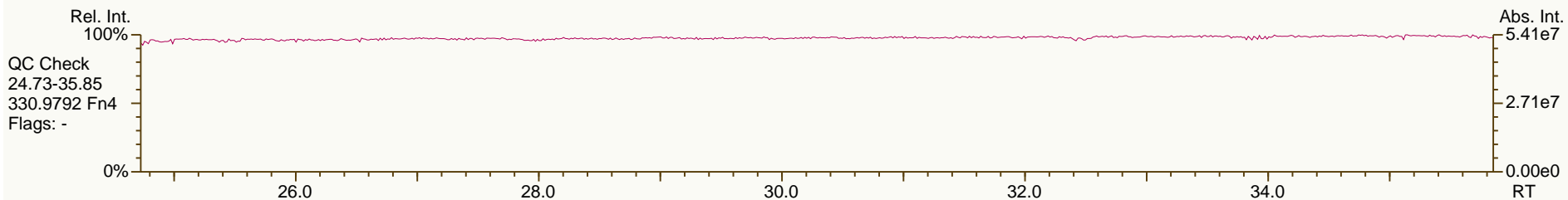
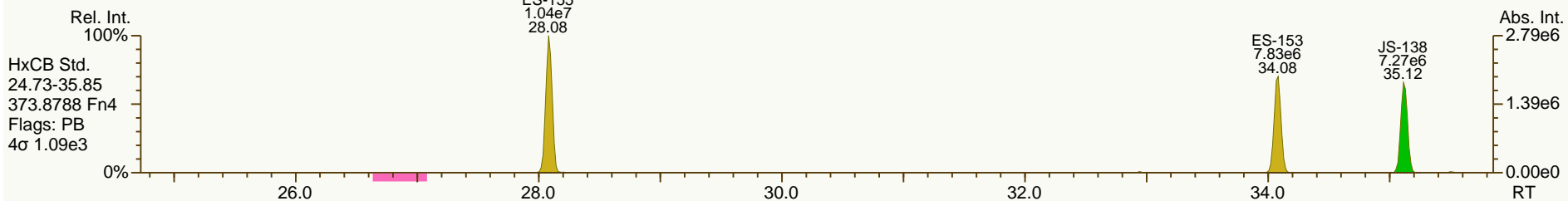
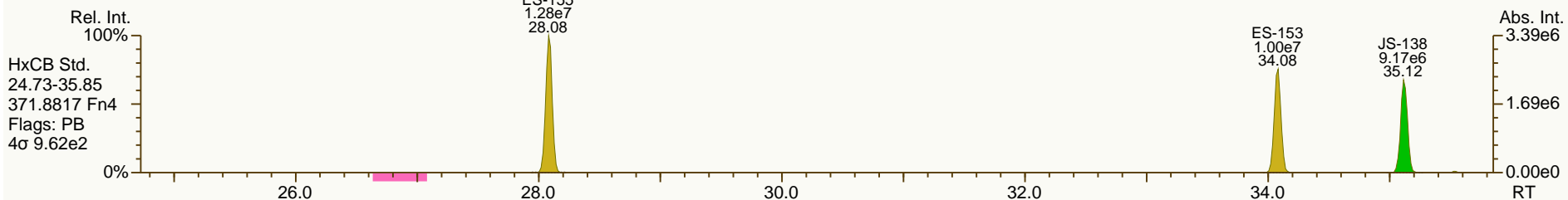
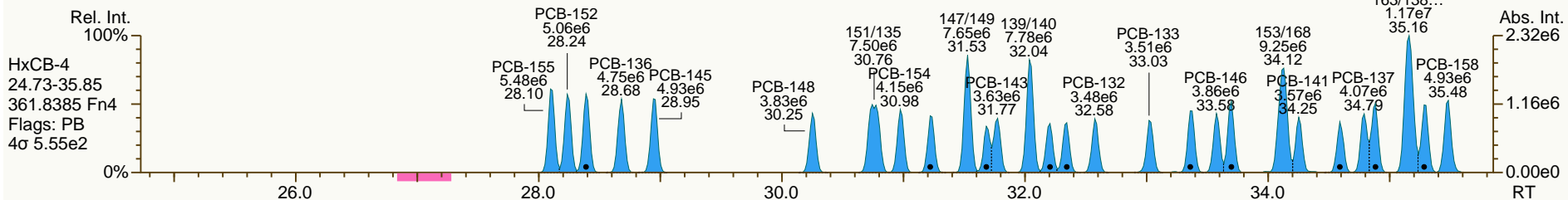
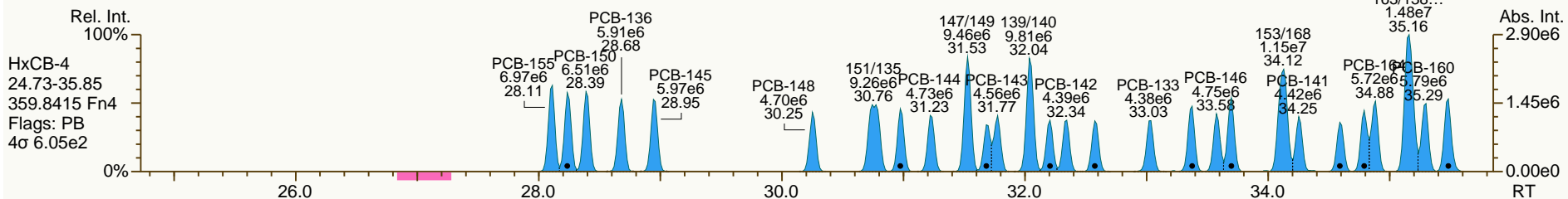
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

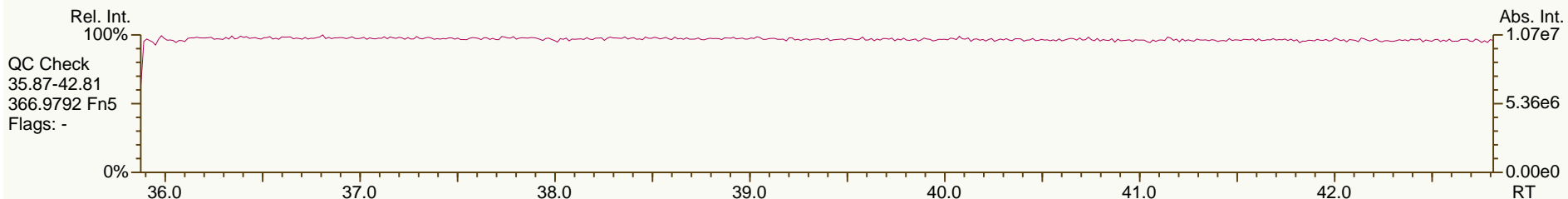
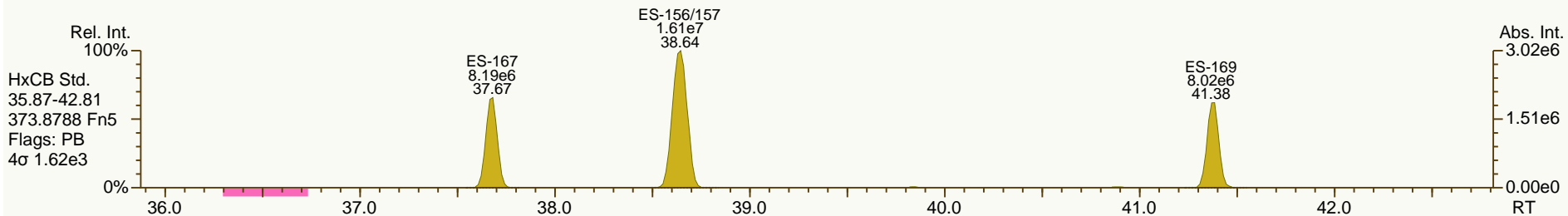
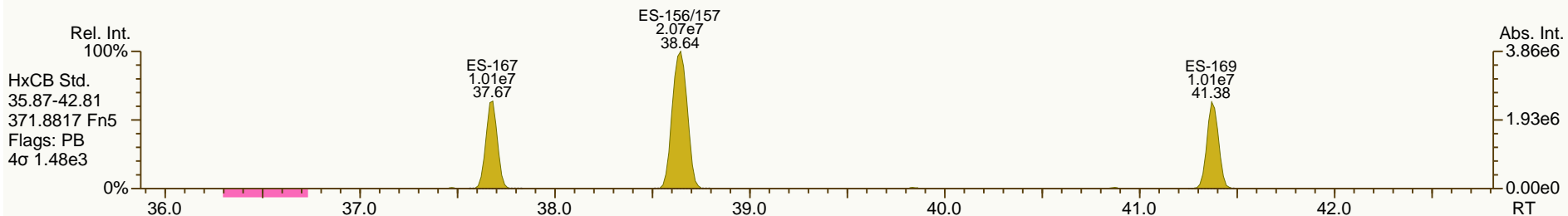
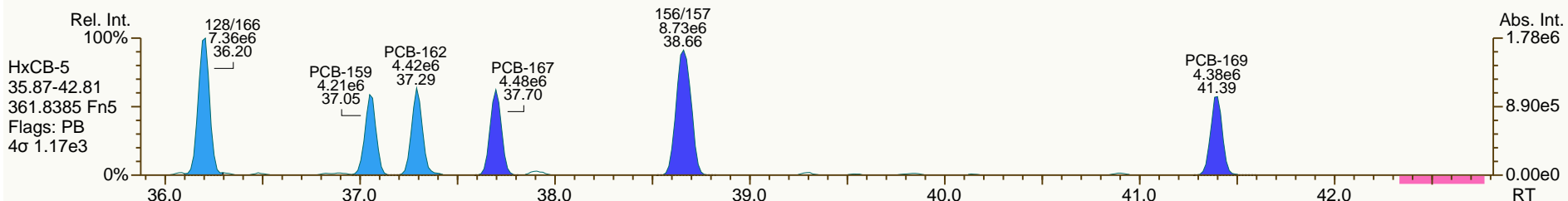
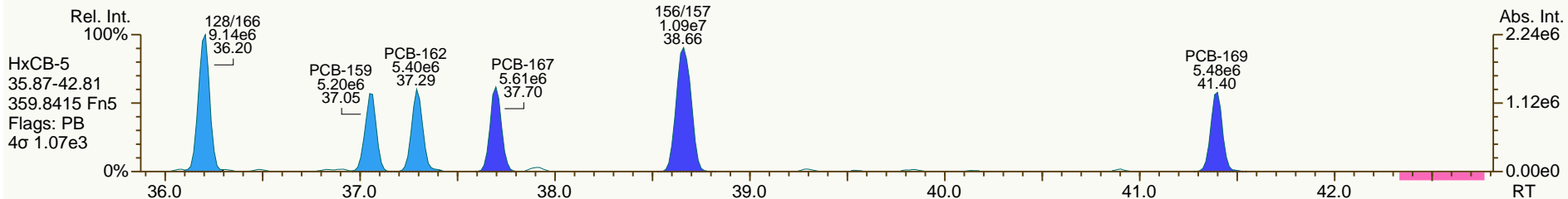
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

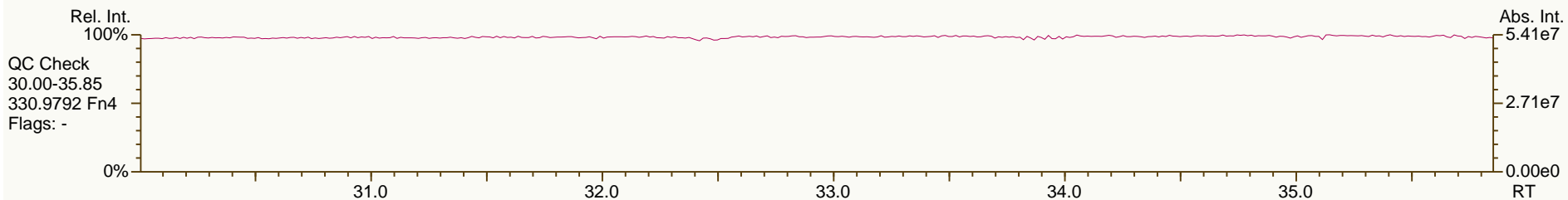
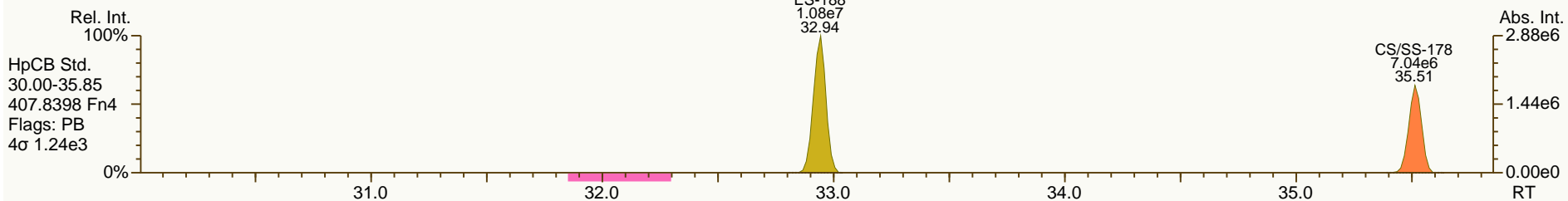
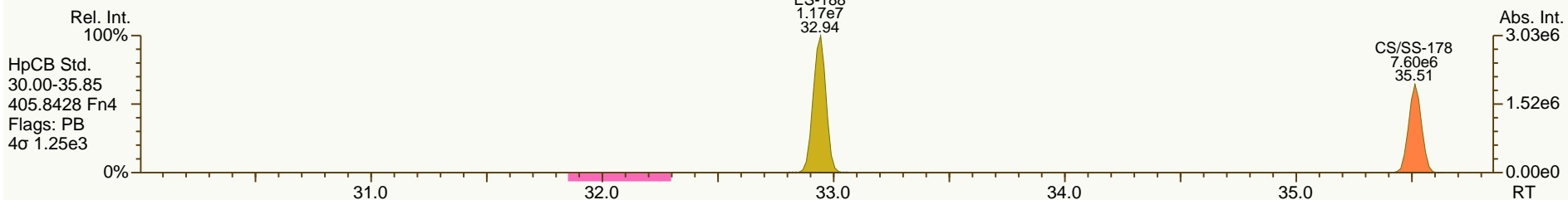
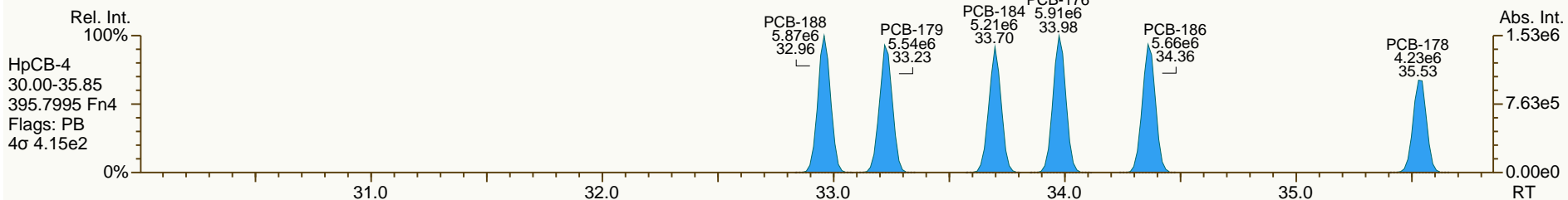
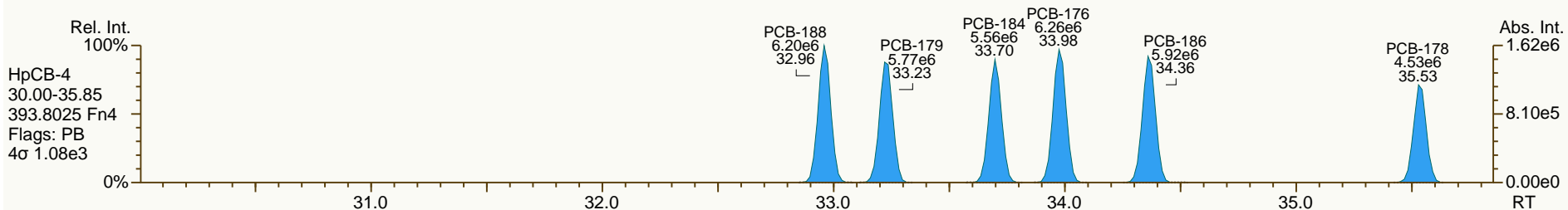
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

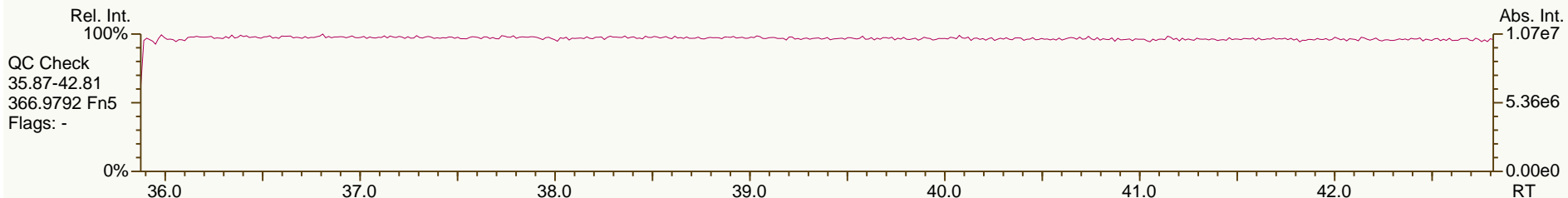
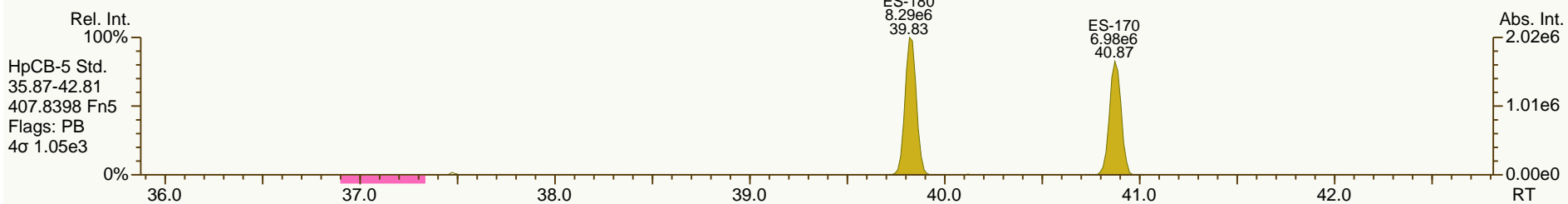
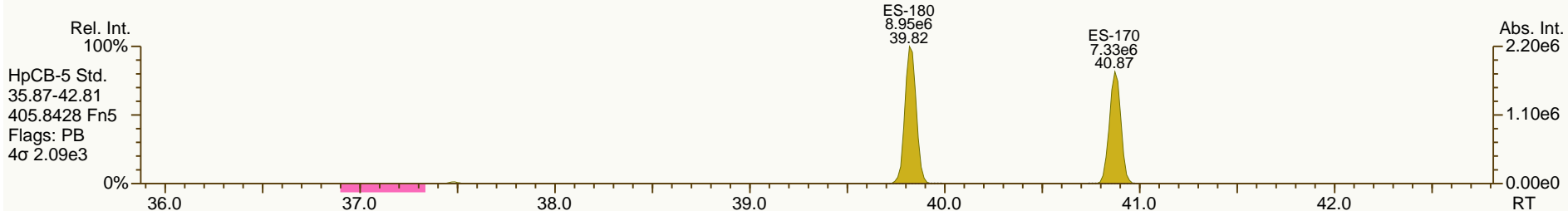
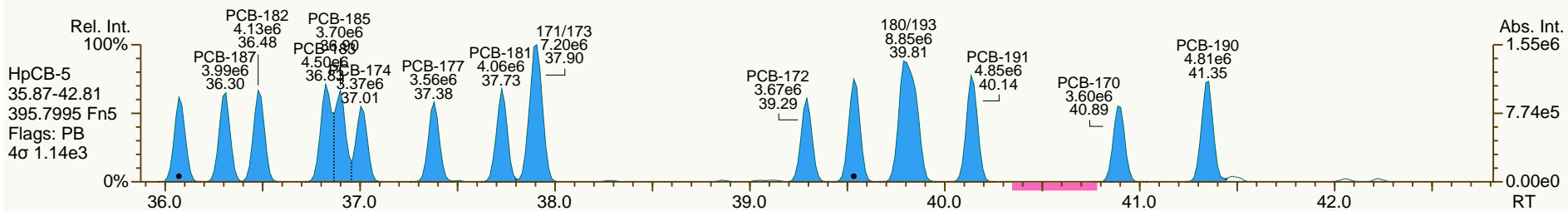
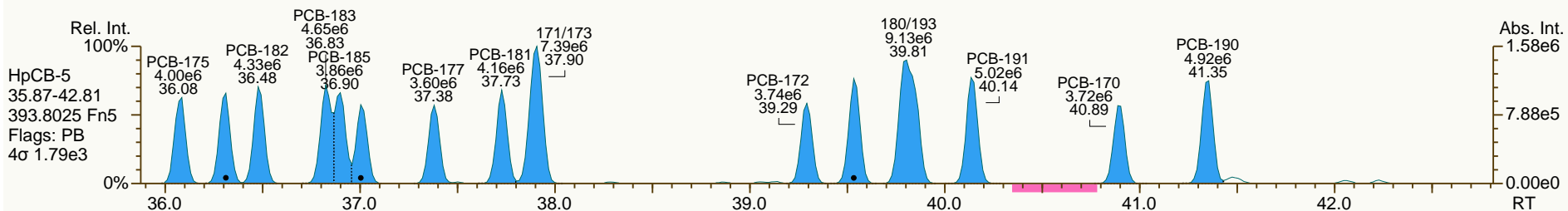
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

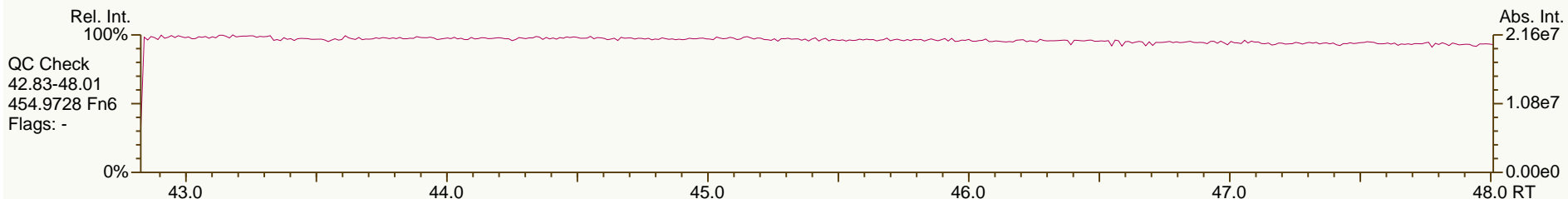
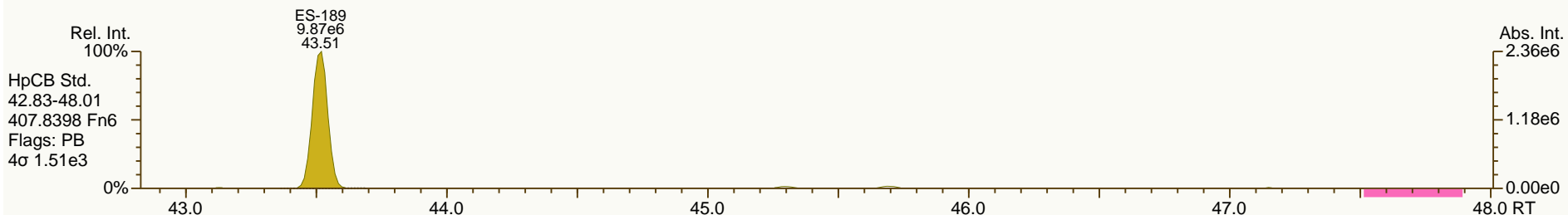
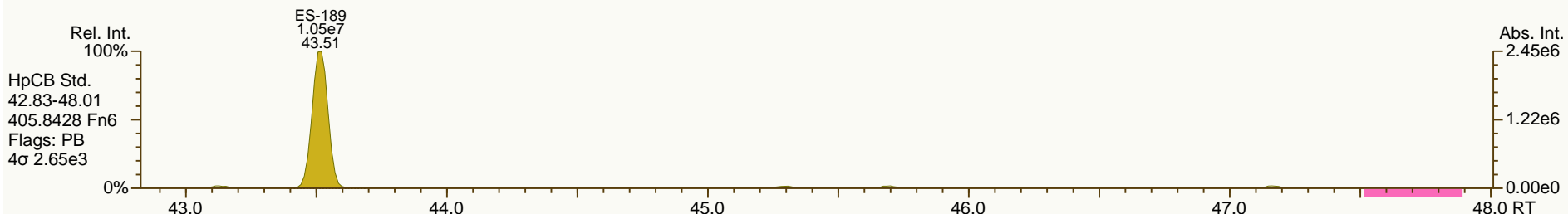
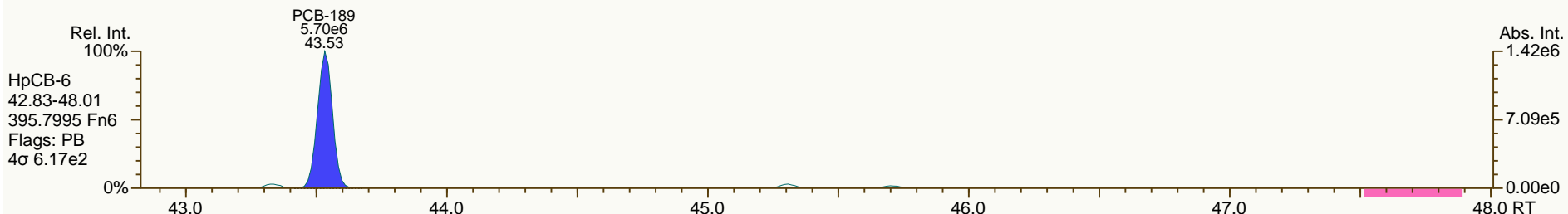
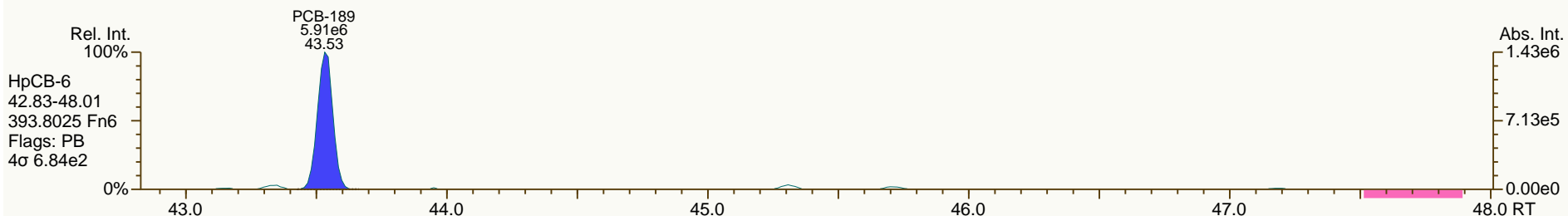
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

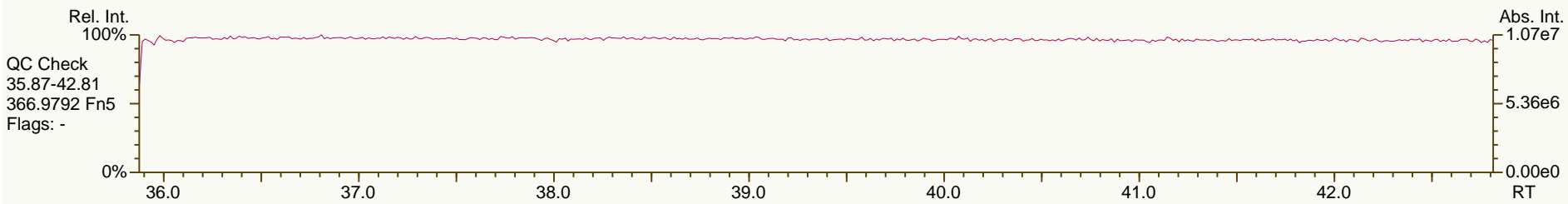
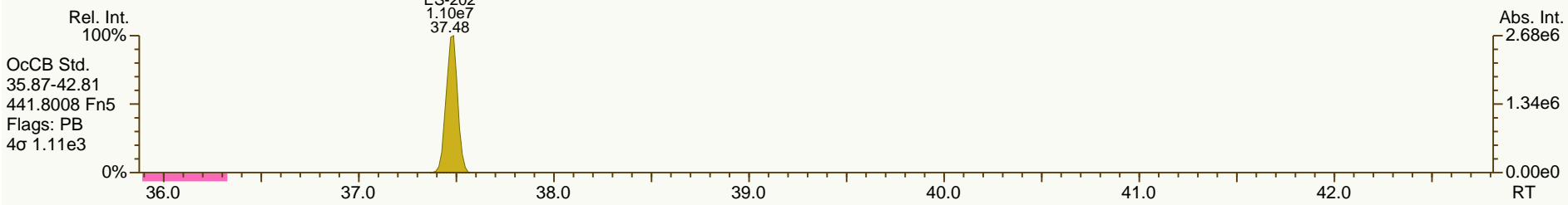
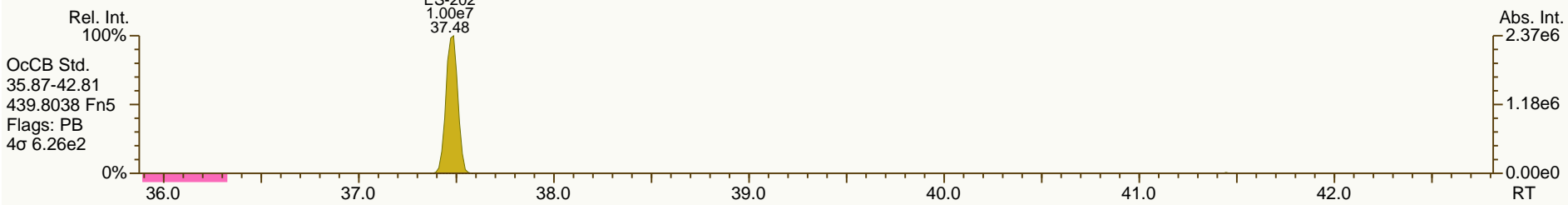
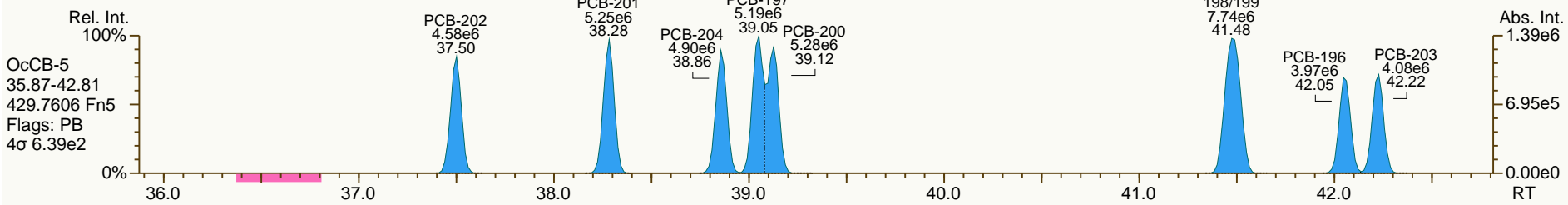
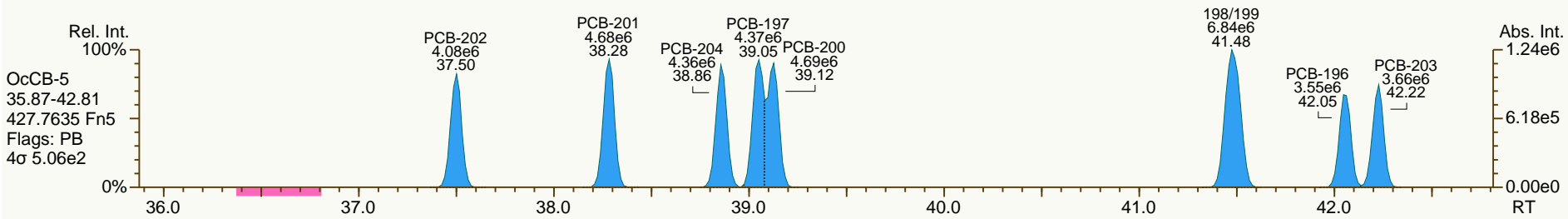
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

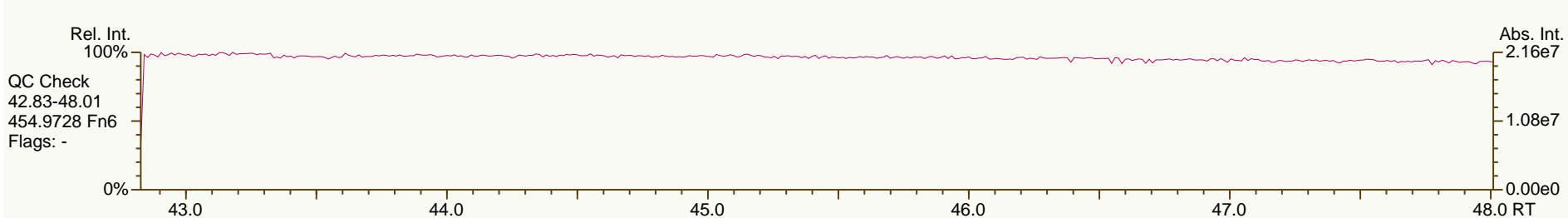
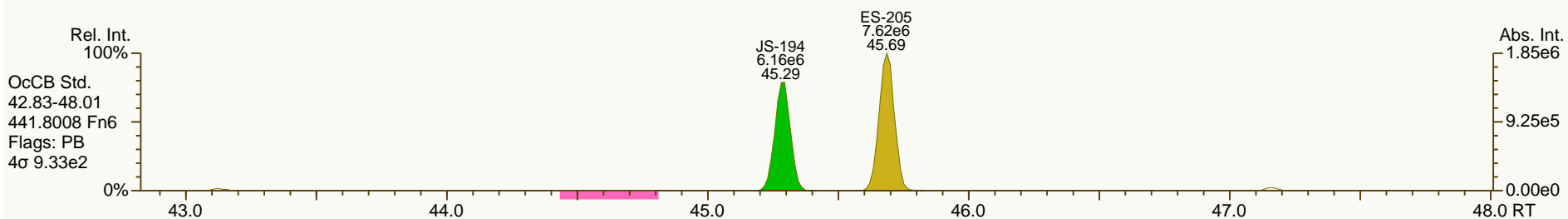
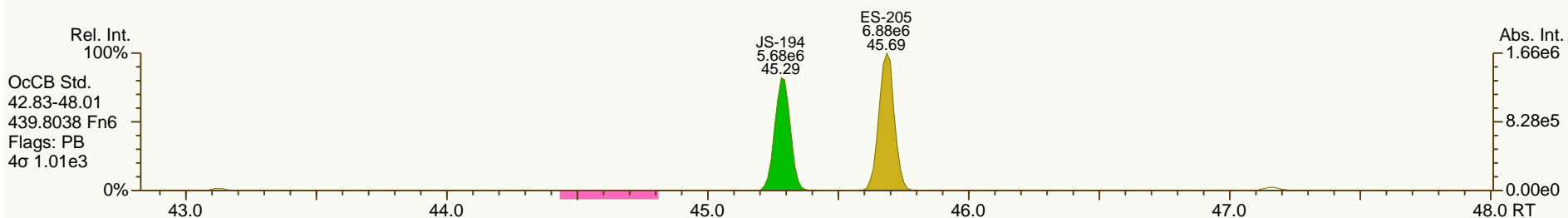
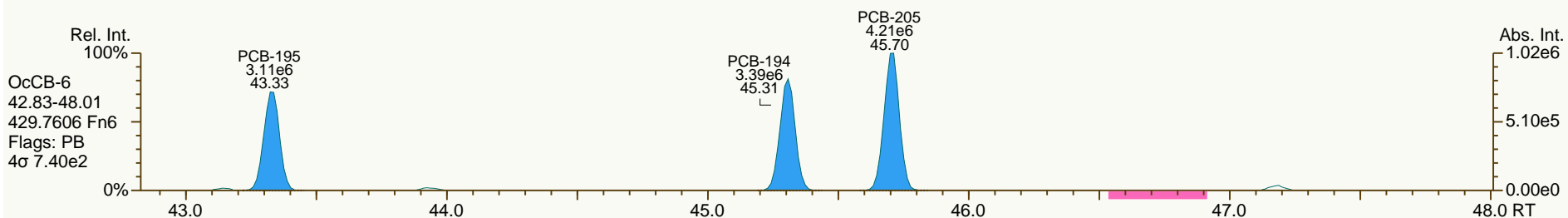
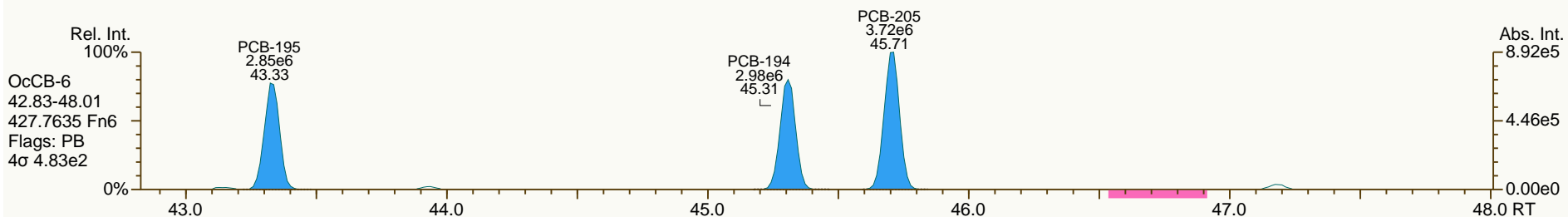
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

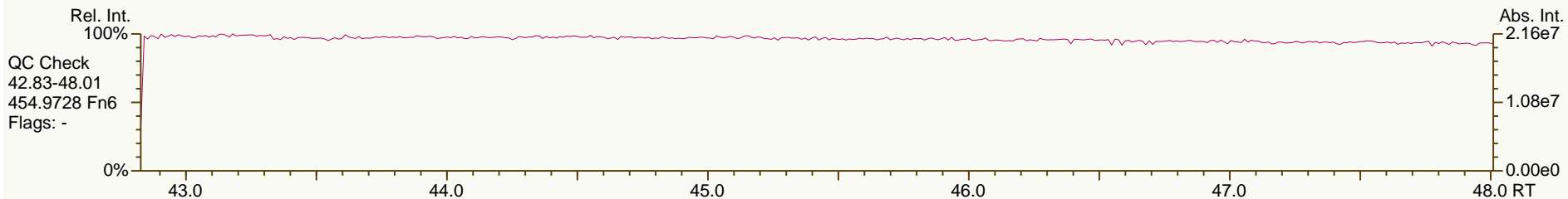
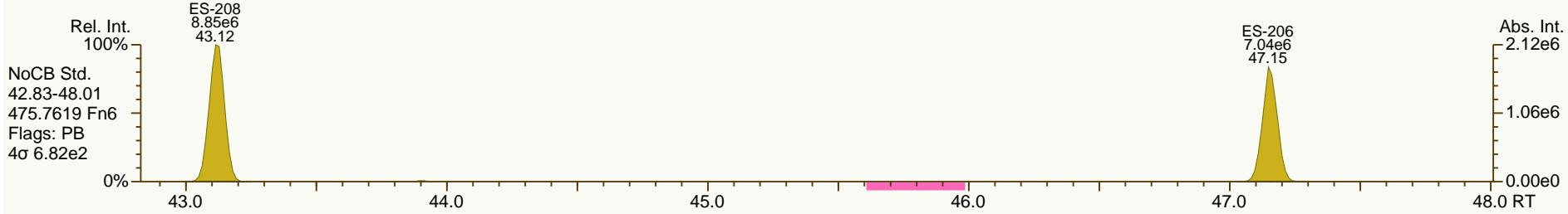
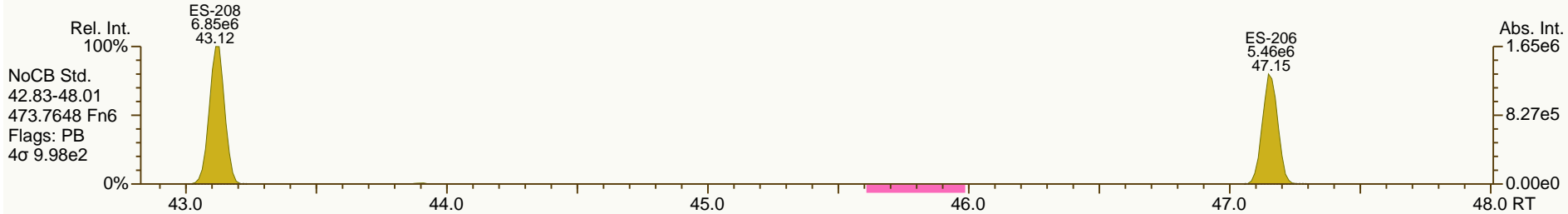
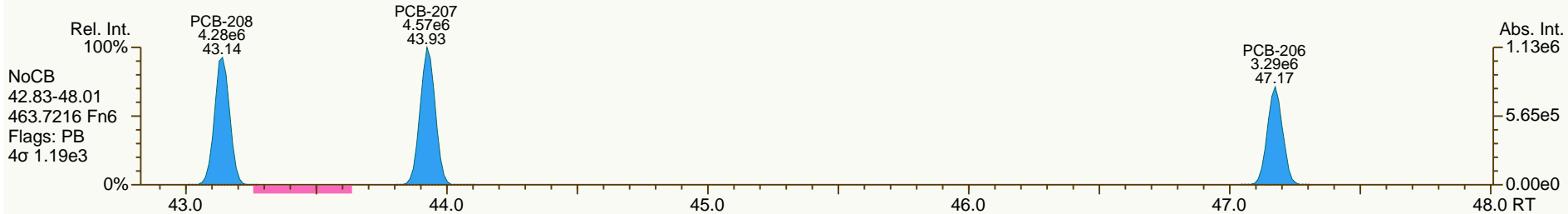
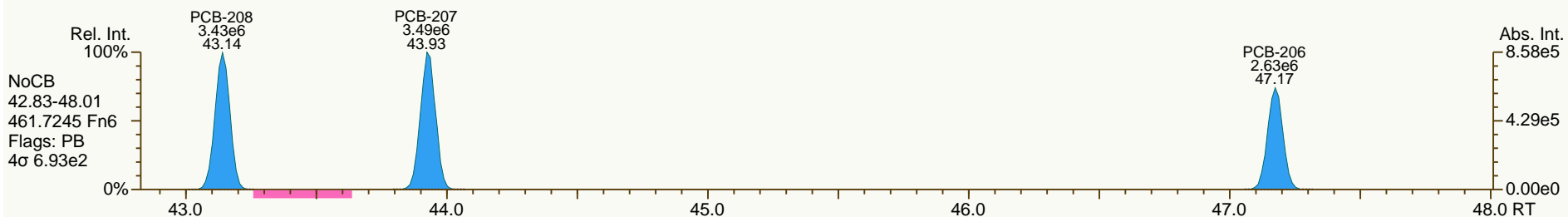
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

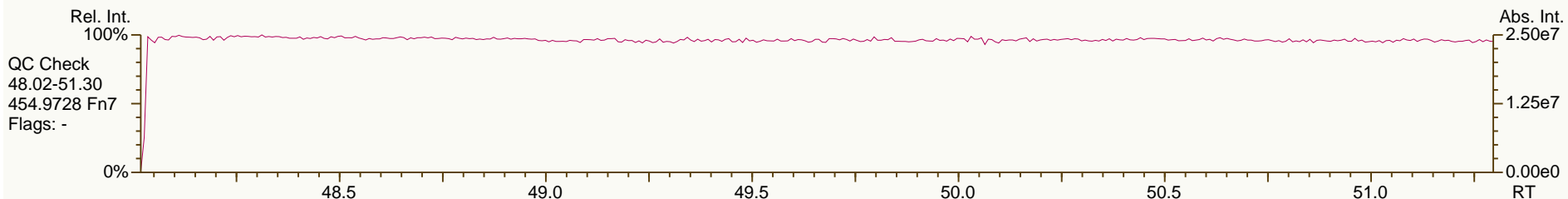
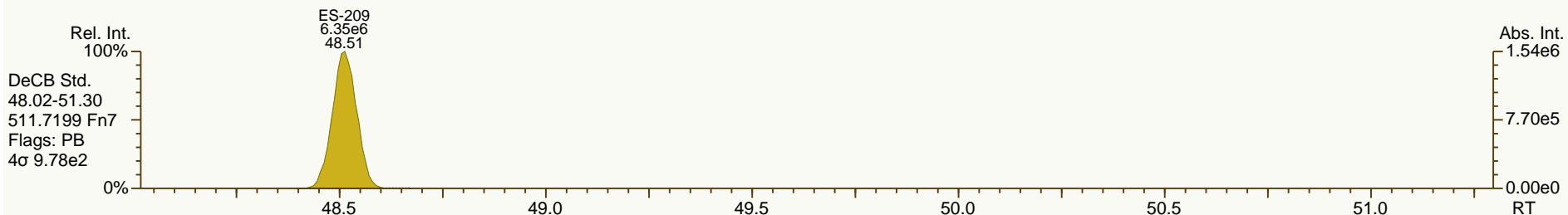
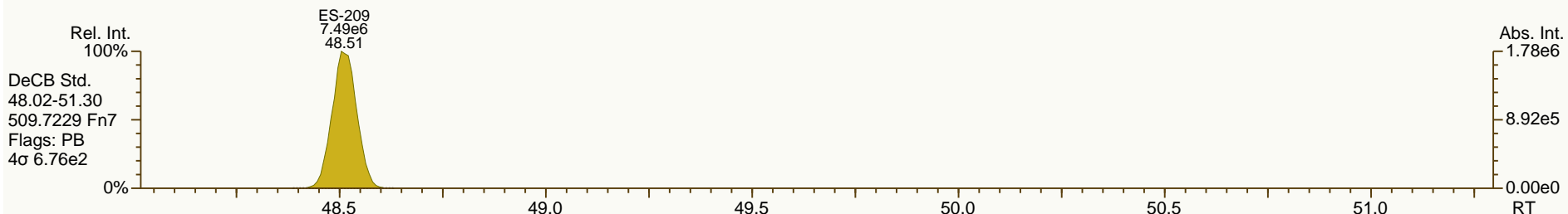
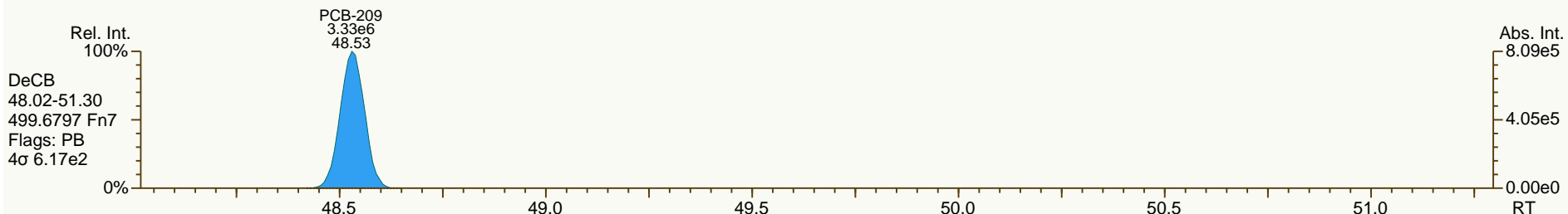
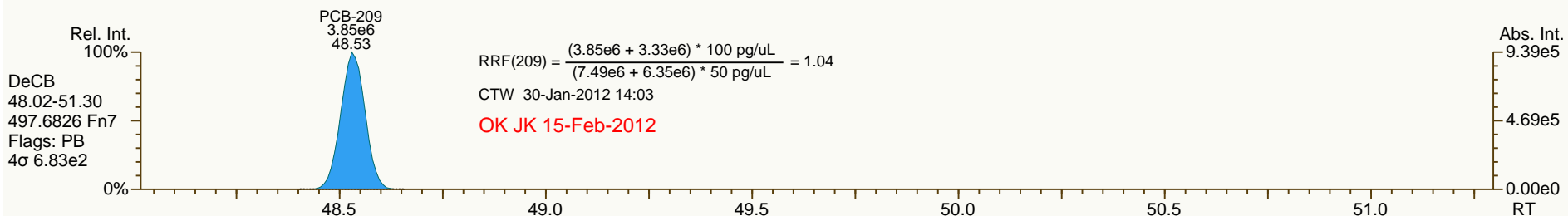
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 19:49							
Datafile:	120126S07							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.51	1.37E+08	0.80 Y	1.22	1.27	4.0%		
PCB-81 344'5'-TeCB	30.04	1.33E+08	0.79 Y	1.24	1.29	3.8%		
PCB-105 233'44'-PeCB	33.49	9.05E+07	0.61 Y	1.03	1.08	5.4%		
PCB-114 2344'5'-PeCB	32.95	9.86E+07	0.62 Y	1.10	1.14	4.1%		
PCB-118 23'44'5'-PeCB	32.51	9.58E+07	0.62 Y	1.03	1.11	7.1%		
PCB-123 2'344'5'-PeCB	32.22	9.11E+07	0.62 Y	0.93	0.99	6.9%		
PCB-126 33'44'5'-PeCB	36.11	1.05E+08	0.62 Y	1.11	1.12	0.3%		
PCB-156/157 233'44'5'/233'44'5'	38.66	1.80E+08	1.25 Y	1.05	1.11	5.7%		
PCB-167 23'44'55'-HxCB	37.70	9.36E+07	1.25 Y	1.08	1.15	6.8%		
PCB-169 33'44'55'-HxCB	41.40	8.91E+07	1.25 Y	1.04	1.08	3.4%		
PCB-189 233'44'55'-HpCB	43.53	1.05E+08	1.04 Y	1.11	1.18	6.3%		
PCB-209 DeCB	48.53	6.57E+07	1.20 Y	1.05	1.07	2.1%		
ES PCB-1	10.48	3.64E+07	3.14 Y	1.01	1.02	0.3%		
ES PCB-3	12.53	3.81E+07	3.17 Y	1.05	1.06	1.0%		
ES PCB-4	12.76	2.54E+07	1.57 Y	0.70	0.71	1.6%		
ES PCB-15	18.10	4.25E+07	1.59 Y	1.17	1.19	1.3%		
ES PCB-19	15.60	2.07E+07	1.02 Y	0.57	0.58	2.2%		
ES PCB-37	24.23	3.11E+07	1.08 Y	1.41	1.41	-0.2%		
ES PCB-54	18.35	2.89E+07	0.78 Y	1.32	1.31	-0.8%		
ES PCB-77	30.49	2.69E+07	0.79 Y	1.22	1.22	0.0%		
ES PCB-81	30.02	2.57E+07	0.81 Y	1.15	1.16	1.1%		
ES PCB-104	23.18	2.86E+07	1.59 Y	1.69	1.63	-3.5%		
ES PCB-105	33.47	2.09E+07	1.59 Y	1.21	1.19	-1.2%		
ES PCB-114	32.93	2.16E+07	1.61 Y	1.23	1.23	-0.2%		
ES PCB-118	32.48	2.16E+07	1.58 Y	1.25	1.23	-1.1%		
ES PCB-123	32.20	2.30E+07	1.59 Y	1.33	1.31	-1.1%		
ES PCB-126	36.09	2.35E+07	1.64 Y	1.36	1.34	-1.3%		
ES PCB-153	34.08	1.94E+07	1.30 Y	1.09	1.07	-1.0%		
ES PCB-155	28.08	2.52E+07	1.29 Y	1.40	1.40	-0.5%		
ES PCB-156/157	38.64	4.07E+07	1.25 Y	1.13	1.13	-0.6%		
ES PCB-167	37.68	2.03E+07	1.27 Y	1.13	1.12	-0.7%		
ES PCB-169	41.38	2.06E+07	1.26 Y	1.14	1.14	0.0%		
ES PCB-170	40.88	1.60E+07	1.07 Y	1.23	1.23	0.1%		
ES PCB-180	39.83	1.89E+07	1.06 Y	1.46	1.46	-0.6%		
ES PCB-188	32.94	2.43E+07	1.08 Y	1.34	1.34	0.3%		
ES PCB-189	43.52	2.22E+07	1.07 Y	1.77	1.71	-3.0%		
ES PCB-202	37.48	2.29E+07	0.89 Y	1.27	1.27	-0.4%		
ES PCB-205	45.69	1.61E+07	0.89 Y	1.25	1.24	-0.5%		
ES PCB-206	47.16	1.39E+07	0.77 Y	1.07	1.07	0.4%		
ES PCB-208	43.12	1.73E+07	0.78 Y	1.34	1.33	-0.4%		
ES PCB-209	48.51	1.53E+07	1.16 Y	1.18	1.18	-0.3%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49		
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.77	3.04E+07	1.09 Y	0.98	0.98	-0.4%	
SS PCB-111	30.55	2.02E+07	1.63 Y	0.90	0.88	-2.3%	
SS PCB-178	35.51	1.52E+07	1.07 Y	0.65	0.63	-3.0%	
CS PCB-28	20.77	3.04E+07	1.09 Y	1.39	1.38	-0.6%	
CS PCB-111	30.55	2.02E+07	1.63 Y	1.19	1.15	-3.4%	
CS PCB-178	35.51	1.52E+07	1.07 Y	0.87	0.84	-2.7%	
JS PCB-9	14.59	3.58E+07	1.60 Y	-	-	-	
JS PCB-52	22.35	2.21E+07	0.78 Y	-	-	-	
JS PCB-101	28.26	1.76E+07	1.58 Y	-	-	-	
JS PCB-138	35.12	1.81E+07	1.23 Y	-	-	-	
JS PCB-194	45.29	1.30E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.49	1.78E+08	3.14 Y	1.20	1.22	2.1%	
PCB-3 4-MoCB	12.55	1.76E+08	3.11 Y	1.13	1.16	2.4%	
PCB-4 22'-DiCB	12.77	9.70E+07	1.54 Y	0.94	0.95	1.1%	
PCB-15 44'-DiCB	18.11	1.77E+08	1.53 Y	1.01	1.04	3.7%	
PCB-19 22'6'-TrCB	15.62	8.60E+07	1.04 Y	1.01	1.04	2.6%	
PCB-37 344'-TrCB	24.25	1.55E+08	1.06 Y	1.20	1.24	3.8%	
PCB-54 22'66'-TeCB	18.37	1.12E+08	0.78 Y	0.93	0.97	3.6%	
PCB-104 22'466'-PeCB	23.20	1.10E+08	0.61 Y	0.92	0.97	5.4%	
PCB-153 22'44'55' -HxCB	34.12	1.87E+08	1.24 Y	1.15	1.20	4.7%	
PCB-155 22'44'66'-HxCB	28.11	1.08E+08	1.27 Y	1.06	1.07	1.4%	
PCB-170 22'33'44'5'-HpCB	40.89	6.69E+07	1.03 Y	1.00	1.05	4.8%	
PCB-180 22'344'55'-HpCB	39.81	1.62E+08	1.03 Y	1.01	1.07	5.7%	
PCB-188 22'34'566'-HpCB	32.96	1.06E+08	1.05 Y	1.07	1.09	2.3%	
PCB-202 22'33'55'66'-OcCB	37.50	7.88E+07	0.89 Y	0.83	0.86	4.2%	
PCB-205 233'44'55'6'-OcCB	45.71	7.28E+07	0.92 Y	1.09	1.13	3.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.04E+07	0.78 Y	0.98	1.02	4.1%	
PCB-206 22'33'44'55'6'-NoCB	47.18	5.47E+07	0.78 Y	0.93	0.98	5.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.49	1.78E+08	3.14 Y	1.20	1.22	2.1%	
PCB-2 3-MoCB	12.38	1.79E+08	3.13 Y	1.13	1.17	3.9%	
PCB-3 4-MoCB	12.55	1.76E+08	3.11 Y	1.13	1.16	2.4%	
PCB-4 22'-DiCB	12.77	9.70E+07	1.54 Y	0.94	0.95	1.1%	
PCB-10 26-DiCB	12.94	1.46E+08	1.55 Y	1.43	1.44	0.6%	
PCB-9 25-DiCB	14.61	1.49E+08	1.56 Y	0.87	0.88	1.2%	
PCB-7 24-DiCB	14.76	1.72E+08	1.54 Y	1.00	1.01	0.7%	
PCB-6 23'-DiCB	14.97	1.60E+08	1.54 Y	0.94	0.94	0.3%	
PCB-5 23-DiCB	15.24	1.60E+08	1.56 Y	0.92	0.94	2.5%	
PCB-8 24'-DiCB	15.36	1.63E+08	1.55 Y	0.95	0.96	1.2%	
PCB-14 35-DiCB	16.83	1.90E+08	1.54 Y	1.09	1.12	2.4%	
PCB-11 33'-DiCB	17.57	1.67E+08	1.54 Y	0.98	0.99	0.9%	
PCB-13/12 34'-/34-DiCB	17.84	3.39E+08	1.54 Y	0.97	1.00	2.8%	
PCB-15 44'-DiCB	18.11	1.77E+08	1.53 Y	1.01	1.04	3.7%	
PCB-19 22'6-TrCB	15.62	8.60E+07	1.04 Y	1.01	1.04	2.6%	
PCB-30/18 246-/22'5-TrCB	17.29	2.24E+08	1.06 Y	1.29	1.35	4.5%	
PCB-17 22'4-TrCB	17.67	9.70E+07	1.02 Y	1.14	1.17	2.9%	
PCB-27 23'6-TrCB	17.86	1.29E+08	1.03 Y	1.48	1.56	4.9%	
PCB-24 236-TrCB	17.98	1.22E+08	1.02 Y	1.43	1.47	2.8%	
PCB-16 22'3-TrCB	18.06	7.70E+07	1.03 Y	0.89	0.93	3.9%	
PCB-32 24'6-TrCB	18.53	1.34E+08	1.02 Y	1.56	1.62	3.7%	
PCB-34 2'35-TrCB	19.65	1.48E+08	1.07 Y	1.18	1.19	1.2%	
PCB-23 235-TrCB	19.79	1.50E+08	1.06 Y	1.19	1.21	1.7%	
PCB-26/29 23'5-/245-TrCB	20.07	3.04E+08	1.06 Y	1.20	1.22	2.0%	
PCB-25 23'4-TrCB	20.26	1.52E+08	1.06 Y	1.19	1.22	2.7%	
PCB-31 24'5-TrCB	20.53	1.58E+08	1.05 Y	1.23	1.27	3.9%	
PCB-28/20 244'-/233'-TrCB	20.79	3.02E+08	1.06 Y	1.18	1.21	2.8%	
PCB-21/33 234-/2'34-TrCB	20.96	3.12E+08	1.06 Y	1.21	1.25	3.3%	
PCB-22 234'-TrCB	21.33	1.43E+08	1.05 Y	1.11	1.15	3.2%	
PCB-36 33'5-TrCB	22.70	1.58E+08	1.06 Y	1.21	1.27	4.4%	
PCB-39 34'5-TrCB	23.01	1.64E+08	1.06 Y	1.32	1.32	0.0%	
PCB-38 345-TrCB	23.51	1.48E+08	1.06 Y	1.15	1.19	2.7%	
PCB-35 33'4-TrCB	23.90	1.46E+08	1.07 Y	1.13	1.17	3.2%	
PCB-37 344'-TrCB	24.25	1.55E+08	1.06 Y	1.20	1.24	3.8%	
PCB-54 22'66'-TeCB	18.37	1.12E+08	0.78 Y	0.93	0.97	3.6%	
PCB-50/53 22'46-/22'56'TeCB	20.30	1.77E+08	0.78 Y	0.83	0.86	3.3%	
PCB-45 22'36'-TeCB	20.85	7.36E+07	0.80 Y	0.71	0.72	1.6%	
PCB-51 22'46'-TeCB	20.93	9.38E+07	0.80 Y	0.88	0.91	4.0%	
PCB-46 22'36'-TeCB	21.12	7.35E+07	0.78 Y	0.69	0.72	3.0%	
PCB-52 22'55'-TeCB	22.38	8.45E+07	0.80 Y	0.80	0.82	2.6%	
PCB-73 23'5'6TeCB	22.50	1.08E+08	0.79 Y	1.03	1.05	1.6%	
PCB-43 22'35'-TeCB	22.59	7.51E+07	0.80 Y	0.71	0.73	3.6%	
PCB-69/49 23'46-/22'45'TeCB	22.79	2.04E+08	0.79 Y	0.96	0.99	3.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.05	8.63E+07	0.80 Y	0.84	0.84	0.6%	
PCB-44/47/65 22'35'-/22'44'-	23.26	2.71E+08	0.79 Y	0.86	0.88	2.3%	
PCB-59/62/75 233'6'-/2346-/24	23.53	3.43E+08	0.80 Y	1.09	1.11	1.9%	
PCB-42 22'34'-TeCB	23.69	8.10E+07	0.78 Y	0.77	0.79	3.0%	
PCB-41 22'34'-TeCB	24.01	7.57E+07	0.76 Y	0.73	0.74	1.6%	
PCB-71/40 23'4'6/22'33'-TeCB	24.11	1.72E+08	0.77 Y	0.81	0.84	3.1%	
PCB-64 234'6'-TeCB	24.31	1.22E+08	0.77 Y	1.17	1.19	1.6%	
PCB-72 23'55'-TeCB	25.04	1.32E+08	0.77 Y	1.25	1.29	2.8%	
PCB-68 23'45'-TeCB	25.29	1.43E+08	0.80 Y	1.36	1.39	1.9%	
PCB-57 233'5'-TeCB	25.65	1.27E+08	0.78 Y	1.22	1.24	1.3%	
PCB-58 233'5'-TeCB	25.85	1.31E+08	0.77 Y	1.26	1.28	1.9%	
PCB-67 23'45'-TeCB	26.00	1.34E+08	0.77 Y	1.27	1.30	2.3%	
PCB-63 234'5'-TeCB	26.22	1.41E+08	0.79 Y	1.34	1.37	2.6%	
PCB-61/70/74/76 2345-/23'4'5	26.50	5.25E+08	0.80 Y	1.24	1.28	2.7%	
PCB-66 23'44'-TeCB	26.78	1.24E+08	0.78 Y	1.19	1.20	1.4%	
PCB-55 233'4'-TeCB	26.92	1.27E+08	0.78 Y	1.22	1.24	1.8%	
PCB-56 233'4'-TeCB	27.35	1.22E+08	0.78 Y	1.18	1.19	1.1%	
PCB-60 2344'-TeCB	27.53	1.29E+08	0.77 Y	1.24	1.26	1.5%	
PCB-80 33'55'-TeCB	27.91	1.44E+08	0.79 Y	1.37	1.40	2.0%	
PCB-79 33'45'-TeCB	29.20	1.49E+08	0.79 Y	1.37	1.45	5.7%	
PCB-78 33'45'-TeCB	29.67	1.25E+08	0.79 Y	1.19	1.22	2.3%	
PCB-104 22'466'-PeCB	23.20	1.10E+08	0.61 Y	0.92	0.97	5.4%	
PCB-96 22'366'-PeCB	23.50	9.68E+07	0.62 Y	0.81	0.85	4.6%	
PCB-103 22'45'6'-PeCB	25.20	7.50E+07	0.62 Y	0.78	0.81	5.0%	
PCB-94 22'356'-PeCB	25.37	6.67E+07	0.62 Y	0.71	0.72	1.7%	
PCB-95 22'35'6'-PeCB	25.75	6.86E+07	0.61 Y	0.74	0.74	0.3%	
PCB-100/93 22'44'6-/22'356-P	25.96	1.40E+08	0.62 Y	0.75	0.76	2.0%	
PCB-102 22'456'-PeCB	26.07	6.72E+07	0.62 Y	0.75	0.73	-2.5%	
PCB-98 22'3'46'-PeCB	26.13	7.34E+07	0.64 Y	0.71	0.80	12.1%	
PCB-88 22'346'-PeCB	26.42	6.10E+07	0.61 Y	0.66	0.66	-0.3%	
PCB-91 22'34'6'-PeCB	26.49	8.32E+07	0.63 Y	0.84	0.90	7.7%	
PCB-84 22'33'6'-PeCB	26.67	6.18E+07	0.62 Y	0.65	0.67	3.3%	
PCB-89 22'346'-PeCB	27.08	6.43E+07	0.62 Y	0.69	0.70	1.6%	
PCB-121 23'45'6'-PeCB	27.47	9.14E+07	0.61 Y	0.98	0.99	1.0%	
PCB-92 22'355'-PeCB	27.78	6.73E+07	0.62 Y	0.72	0.73	2.1%	
PCB-113/90/101 233'5'6-/22'3	28.25	2.34E+08	0.62 Y	0.81	0.85	4.7%	
PCB-83 22'33'5'-PeCB	28.67	6.11E+07	0.62 Y	0.62	0.66	6.5%	
PCB-99 22'44'5'-PeCB	28.78	7.09E+07	0.63 Y	0.76	0.77	0.7%	
PCB-112 233'56'-PeCB	28.87	9.37E+07	0.62 Y	0.96	1.02	5.5%	
PCB-108/119/86/97/125/87 233	29.21	4.80E+08	0.62 Y	0.83	0.87	5.2%	
PCB-117 234'56'-PeCB	29.74	8.70E+07	0.61 Y	0.94	0.94	0.5%	
PCB-116/85 23456-/22'344'-Pe	29.82	1.57E+08	0.62 Y	0.81	0.86	5.8%	
PCB-110 233'4'6'-PeCB	29.94	8.71E+07	0.62 Y	0.92	0.95	2.8%	

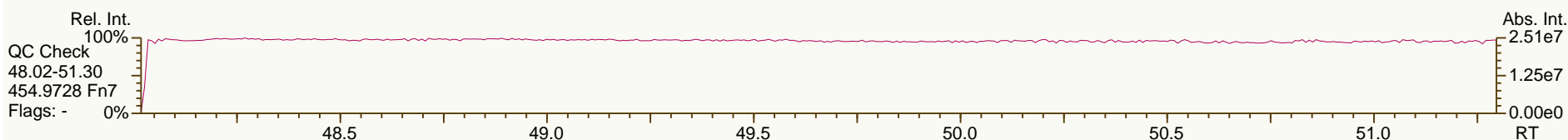
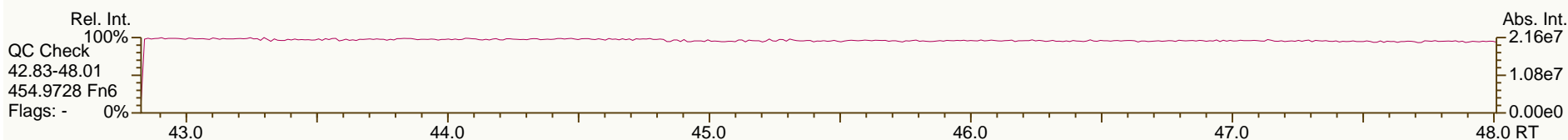
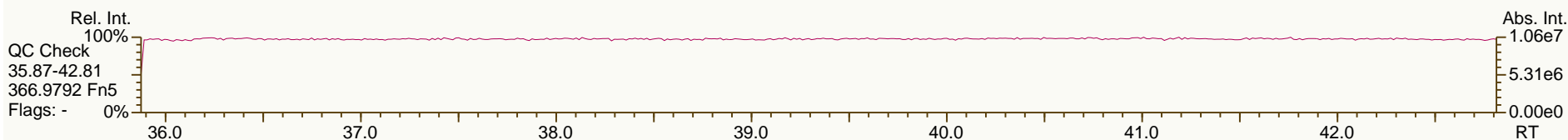
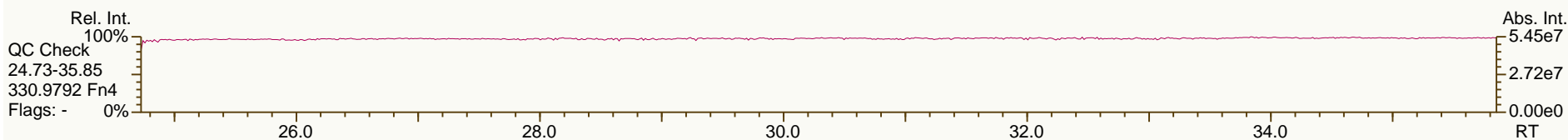
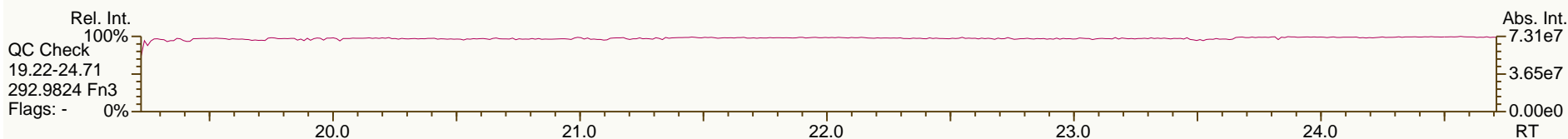
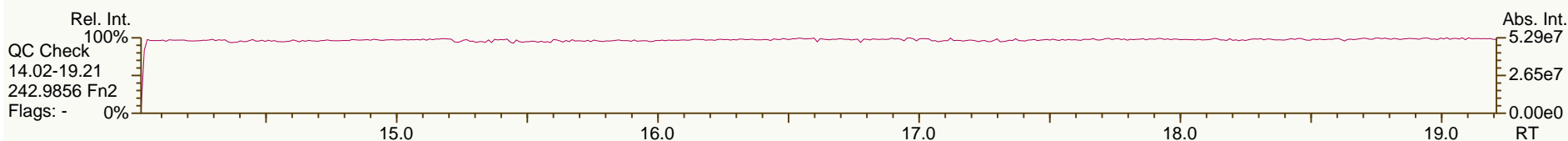
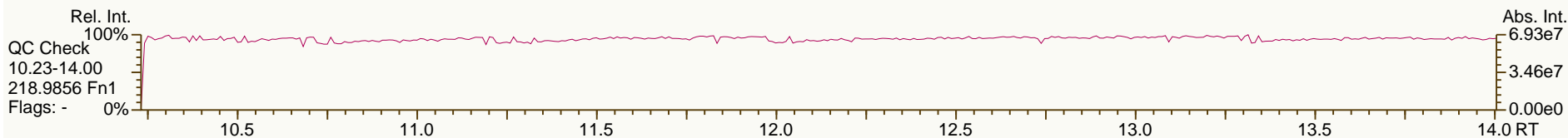
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.03	9.15E+07	0.63 Y	0.95	0.99	4.8%	
PCB-82 22'33'4-PeCB	30.21	5.96E+07	0.62 Y	0.62	0.65	5.1%	
PCB-111 233'55'-PeCB	30.58	9.52E+07	0.62 Y	0.98	1.03	5.0%	
PCB-120 23'455'-PeCB	30.97	9.50E+07	0.62 Y	0.99	1.03	3.9%	
PCB-107/124 233'4'5-/2'3455'	31.92	1.78E+08	0.62 Y	0.92	0.97	5.2%	
PCB-109 233'46-PeCB	32.12	9.70E+07	0.61 Y	1.00	1.05	5.9%	
PCB-106 233'45-PeCB	32.32	9.36E+07	0.62 Y	0.96	1.02	5.7%	
PCB-122 2'33'45-PeCB	32.78	8.27E+07	0.63 Y	0.93	0.96	3.3%	
PCB-127 33'455'-PeCB	34.75	9.23E+07	0.62 Y	1.04	1.10	6.0%	
PCB-155 22'44'66'-HxCB	28.11	1.08E+08	1.27 Y	1.06	1.07	1.4%	
PCB-152 22'3566'-HxCB	28.24	1.01E+08	1.26 Y	0.98	1.01	2.4%	
PCB-150 22'34'66'-HxCB	28.39	1.02E+08	1.28 Y	0.99	1.01	2.5%	
PCB-136 22'33'66'-HxCB	28.68	9.46E+07	1.27 Y	0.92	0.94	1.9%	
PCB-145 22'3466'HxCB	28.95	9.63E+07	1.27 Y	0.94	0.95	1.7%	
PCB-148 22'34'56'-HxCB	30.25	7.55E+07	1.25 Y	0.95	0.97	2.7%	
PCB-151/135 22'355'6-/22'33'	30.76	1.48E+08	1.27 Y	0.92	0.95	4.0%	
PCB-154 22'44'5'6-HxCB	30.98	8.25E+07	1.27 Y	1.01	1.06	4.8%	
PCB-144 22'345'6-HxCB	31.23	7.56E+07	1.27 Y	0.93	0.97	4.6%	
PCB-147/149 22'34'56-/22'34'	31.53	1.52E+08	1.24 Y	0.94	0.98	4.3%	
PCB-134 22'33'56-HxCB	31.69	6.25E+07	1.24 Y	0.78	0.81	2.7%	
PCB-143 22'3456'-HxCB	31.77	7.39E+07	1.27 Y	0.90	0.95	6.3%	
PCB-139/140 22'344'6-/22'344'	32.04	1.53E+08	1.28 Y	0.95	0.99	4.0%	
PCB-131 22'33'46-HxCB	32.20	6.82E+07	1.26 Y	0.84	0.88	5.0%	
PCB-142 22'3456-HxCB	32.34	7.01E+07	1.26 Y	0.87	0.90	3.8%	
PCB-132 22'33'46'-HxCB	32.58	6.98E+07	1.27 Y	0.88	0.90	2.7%	
PCB-133 22'33'55'-HxCB	33.03	7.22E+07	1.27 Y	0.89	0.93	4.6%	
PCB-165 233'55'6-HxCB	33.37	8.69E+07	1.27 Y	1.06	1.12	5.2%	
PCB-146 22'34'55'-HxCB	33.58	7.82E+07	1.26 Y	0.94	1.01	6.8%	
PCB-161 233'45'6-HxCB	33.69	9.62E+07	1.28 Y	1.20	1.24	3.4%	
PCB-153/168 22'44'55'-/23'44'	34.12	1.87E+08	1.24 Y	1.15	1.20	4.7%	
PCB-141 22'3455'-HxCB	34.25	7.19E+07	1.26 Y	0.91	0.93	1.3%	
PCB-130 22'33'45'-HxCB	34.59	6.70E+07	1.23 Y	0.82	0.86	5.0%	
PCB-137 22'344'5-HxCB	34.79	8.38E+07	1.23 Y	1.00	1.08	7.5%	
PCB-164 233'4'5'6-HxCB	34.88	9.23E+07	1.26 Y	1.14	1.19	4.6%	
PCB-163/138/129 233'4'56-/22'	35.16	2.39E+08	1.26 Y	0.98	1.03	4.3%	
PCB-160 233'456-HxCB	35.29	9.52E+07	1.27 Y	1.14	1.23	7.3%	
PCB-158 233'44'6-HxCB	35.48	1.02E+08	1.24 Y	1.24	1.32	6.0%	
PCB-128/166 22'33'44'-/2344'5	36.20	1.50E+08	1.24 Y	0.86	0.92	6.8%	
PCB-159 233'455'-HxCB	37.05	8.80E+07	1.24 Y	1.03	1.09	5.7%	
PCB-162 233'4'55'-HxCB	37.30	9.10E+07	1.24 Y	1.04	1.12	8.1%	
PCB-188 22'34'566'-HpCB	32.96	1.06E+08	1.05 Y	1.07	1.09	2.3%	
PCB-179 22'33'566'-HpCB	33.23	9.90E+07	1.06 Y	0.98	1.02	4.2%	
PCB-184 22'344'66'-HpCB	33.70	9.58E+07	1.04 Y	0.97	0.99	1.4%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:49		
Lab ID:	CS4_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.98	1.07E+08	1.04 Y	1.06	1.10	3.5%	
PCB-186 22'34566'-HpCB	34.36	1.02E+08	1.03 Y	1.02	1.05	3.4%	
PCB-178 22'33'55'6'-HpCB	35.54	7.71E+07	1.04 Y	0.77	0.79	2.9%	
PCB-175 22'33'45'6'-HpCB	36.08	6.95E+07	1.05 Y	0.89	0.92	2.9%	
PCB-187 22'34'55'6'-HpCB	36.31	7.33E+07	1.02 Y	0.94	0.97	3.6%	
PCB-182 22'344'56'-HpCB	36.48	7.45E+07	1.03 Y	0.95	0.98	3.7%	
PCB-183 22'344'5'6'-HpCB	36.82	6.73E+07	1.01 Y	0.96	0.89	-7.0%	
PCB-185 22'3455'6'-HpCB	36.89	8.15E+07	1.05 Y	0.93	1.08	16.0%	
PCB-174 22'33'456'-HpCB	37.01	6.27E+07	1.03 Y	0.80	0.83	3.5%	
PCB-177 22'33'4'56'-HpCB	37.38	6.44E+07	1.04 Y	0.82	0.85	4.3%	
PCB-181 22'344'56'-HpCB	37.73	7.30E+07	1.03 Y	0.91	0.97	5.7%	
PCB-171/173 22'33'44'6'-/22'3	37.90	1.29E+08	1.02 Y	0.81	0.86	5.2%	
PCB-172 22'33'455'-HpCB	39.29	6.71E+07	1.02 Y	0.83	0.89	7.3%	
PCB-192 233'455'6'-HpCB	39.54	8.70E+07	1.03 Y	1.09	1.15	5.3%	
PCB-180/193 22'344'55'-/233'	39.81	1.62E+08	1.03 Y	1.01	1.07	5.7%	
PCB-191 233'44'5'6'-HpCB	40.14	8.94E+07	1.03 Y	1.13	1.18	4.3%	
PCB-170 22'33'44'5'-HpCB	40.89	6.69E+07	1.03 Y	1.00	1.05	4.8%	
PCB-190 233'44'56'-HpCB	41.35	8.93E+07	1.03 Y	1.35	1.40	3.1%	
PCB-202 22'33'55'66'-OcCB	37.50	7.88E+07	0.89 Y	0.83	0.86	4.2%	
PCB-201 22'33'45'66'-OcCB	38.28	8.89E+07	0.88 Y	0.93	0.97	5.0%	
PCB-204 22'344'566'-OcCB	38.86	8.54E+07	0.89 Y	0.89	0.93	4.8%	
PCB-197 22'33'44'66'-OcCB	39.05	8.66E+07	0.88 Y	0.91	0.95	3.7%	
PCB-200 22'33'4566'-OcCB	39.12	9.12E+07	0.89 Y	0.93	1.00	7.5%	
PCB-198/199 22'33'455'6'-/22'	41.48	1.30E+08	0.87 Y	0.68	0.71	4.1%	
PCB-196 22'33'44'56'-OcCB	42.06	6.68E+07	0.87 Y	0.72	0.73	1.8%	
PCB-203 22'344'55'6'-OcCB	42.22	6.98E+07	0.87 Y	0.74	0.76	3.6%	
PCB-195 22'33'44'56'-OcCB	43.33	5.38E+07	0.89 Y	0.81	0.83	2.9%	
PCB-194 22'33'44'55'-OcCB	45.31	5.87E+07	0.90 Y	0.86	0.91	6.1%	
PCB-205 233'44'55'6'-OcCB	45.71	7.28E+07	0.92 Y	1.09	1.13	3.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.04E+07	0.78 Y	0.98	1.02	4.1%	
PCB-207 22'33'44'566'-NoCB	43.93	7.31E+07	0.80 Y	1.02	1.06	4.0%	
PCB-206 22'33'44'55'6'-NoCB	47.18	5.47E+07	0.78 Y	0.93	0.98	5.3%	

AP Lab ID: CS4_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

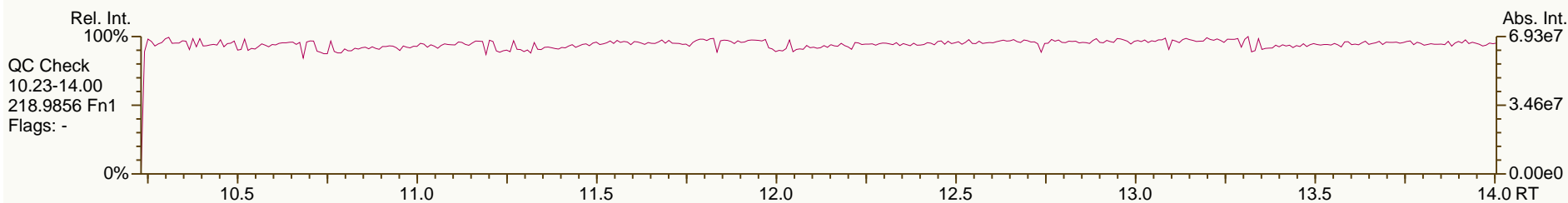
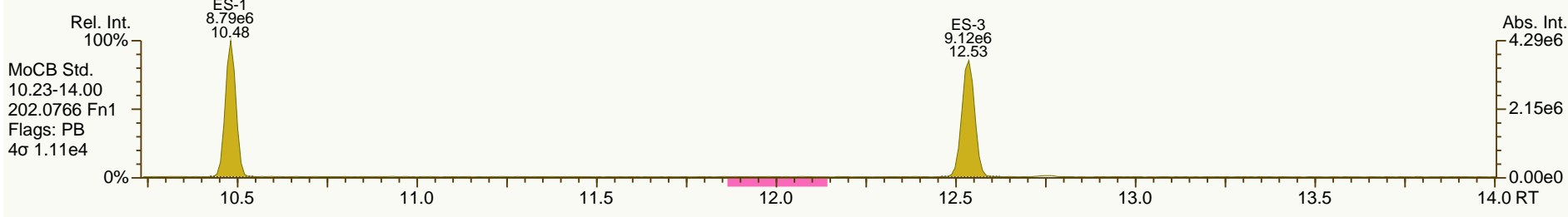
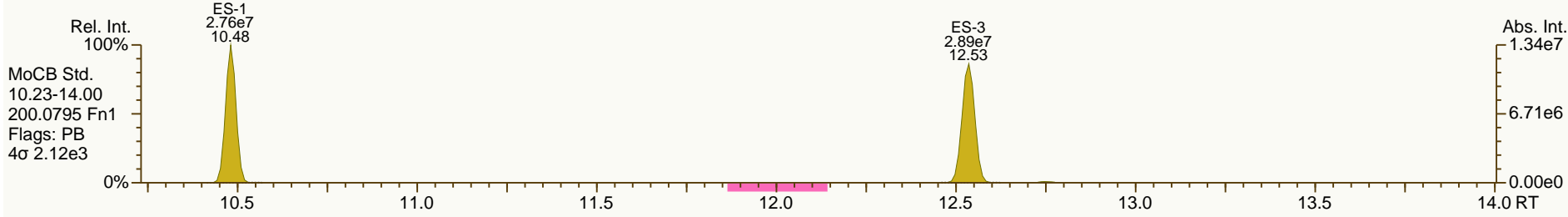
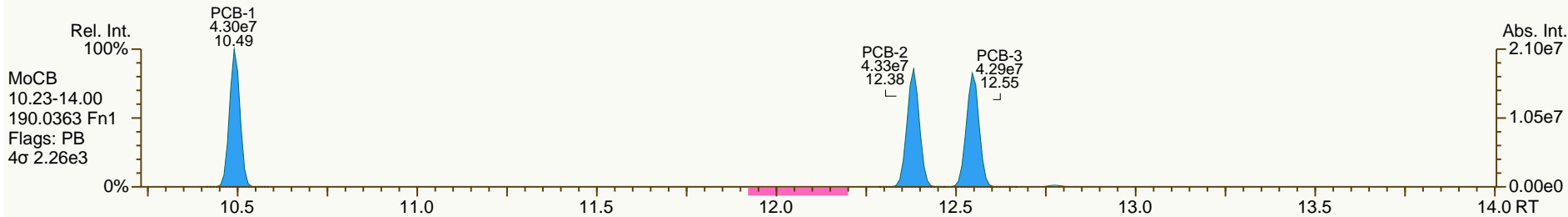
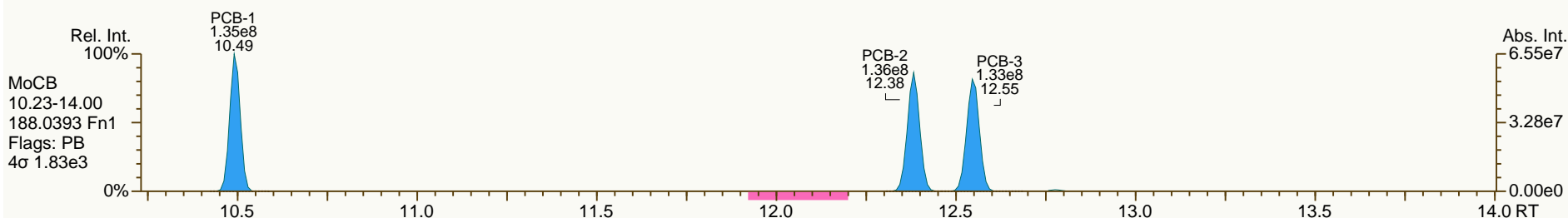
Acq: 26-Jan-2012 19:49:48
User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

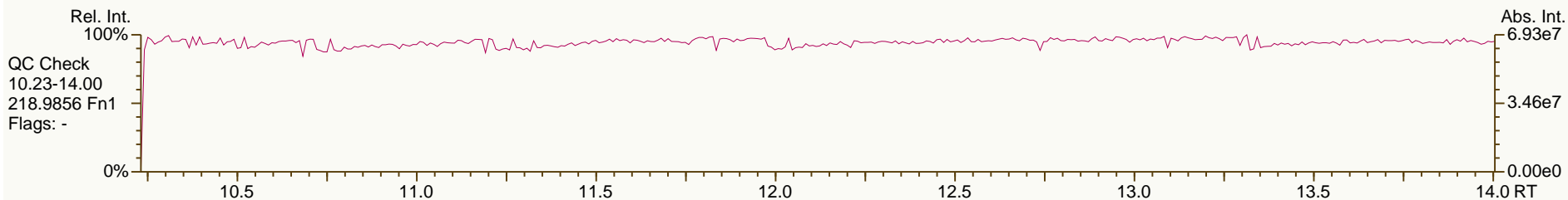
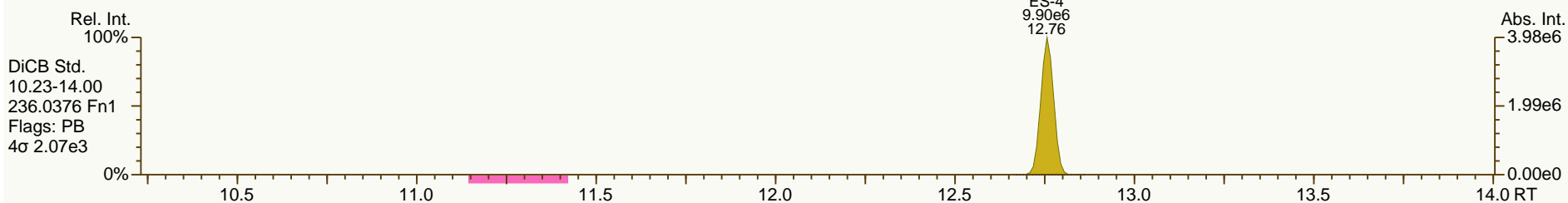
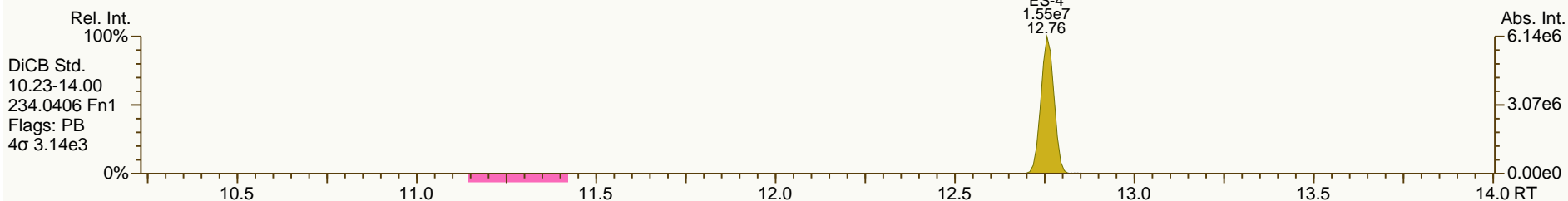
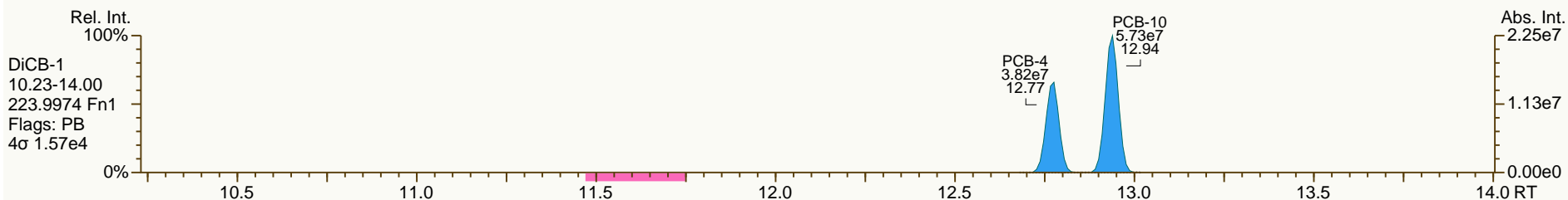
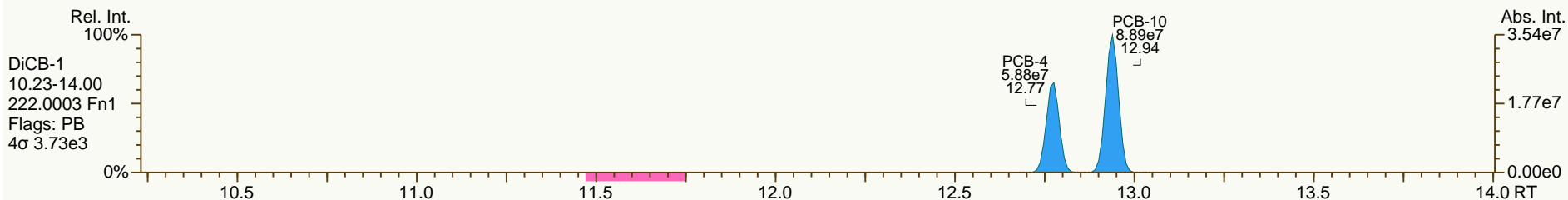
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

Acq: 26-Jan-2012 19:49:48
User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

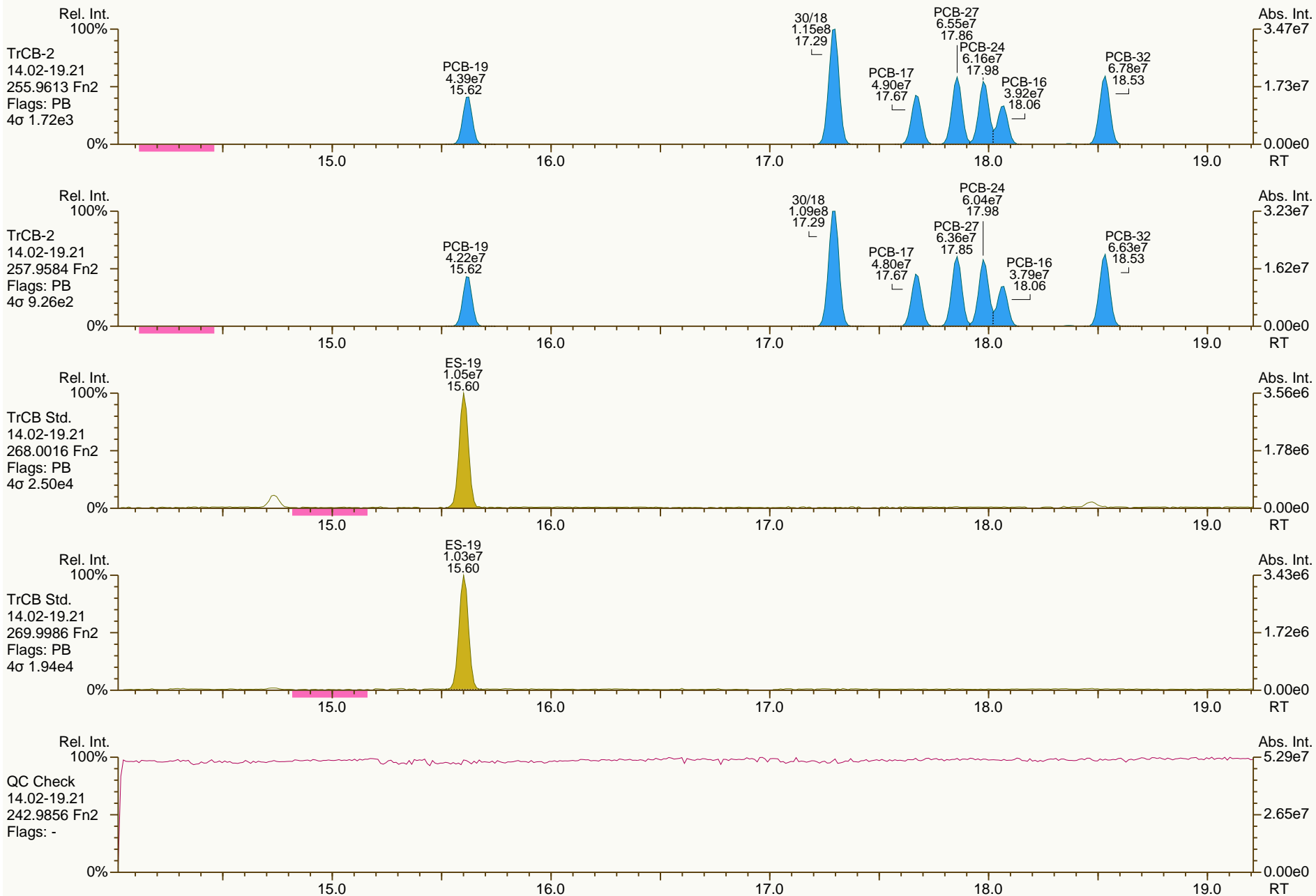
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

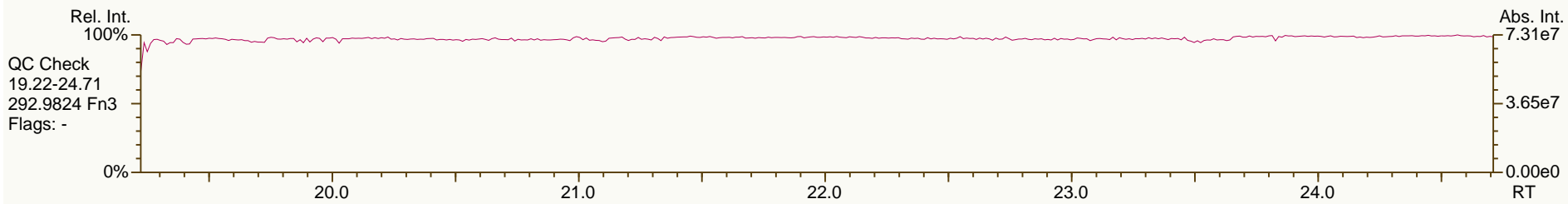
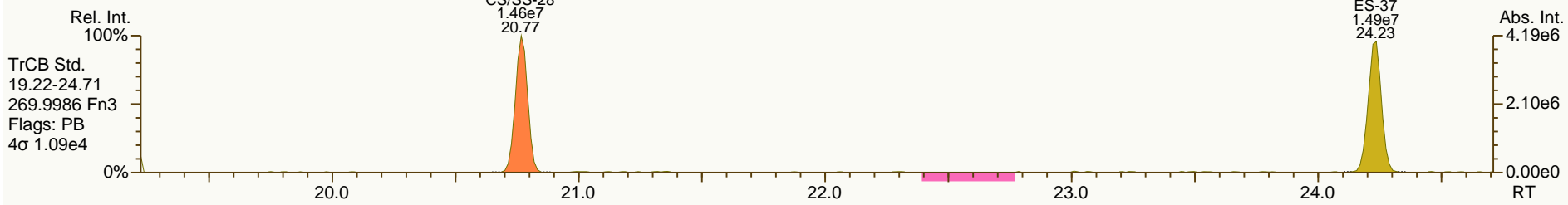
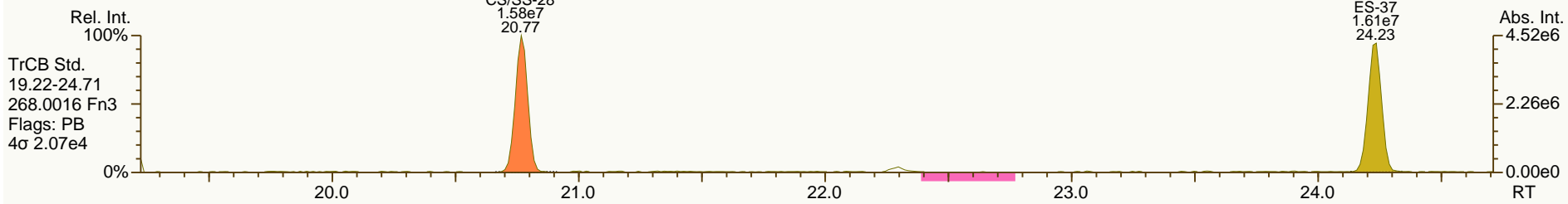
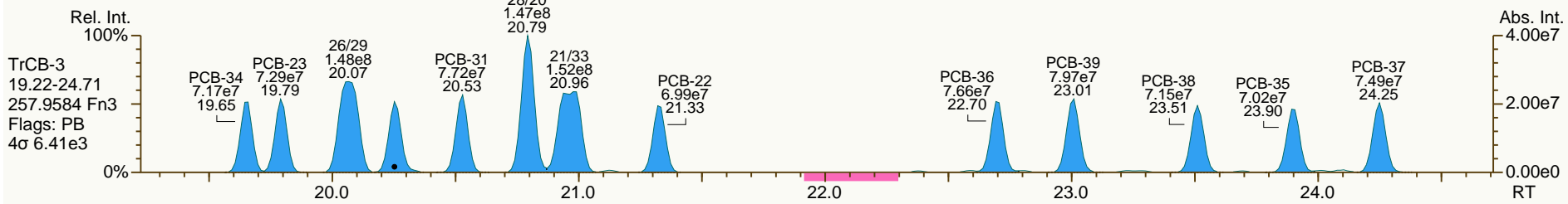
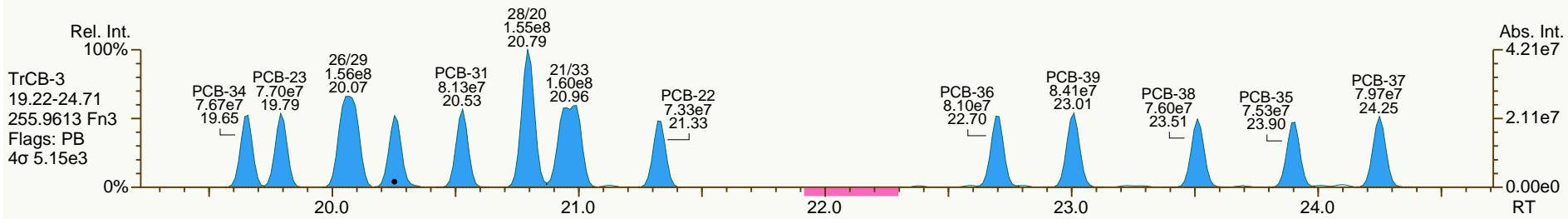
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

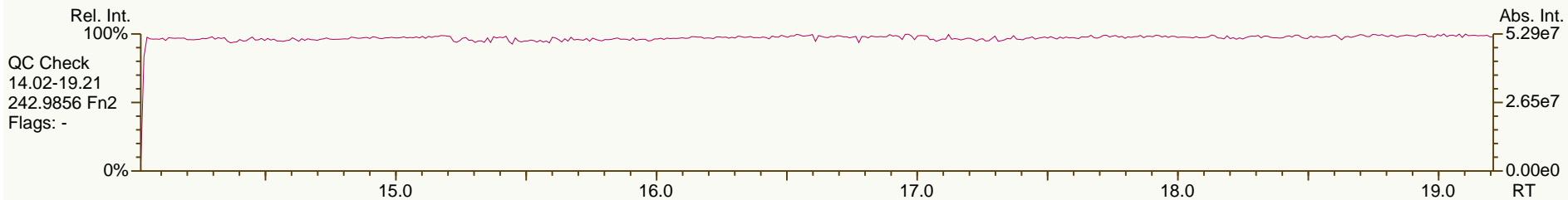
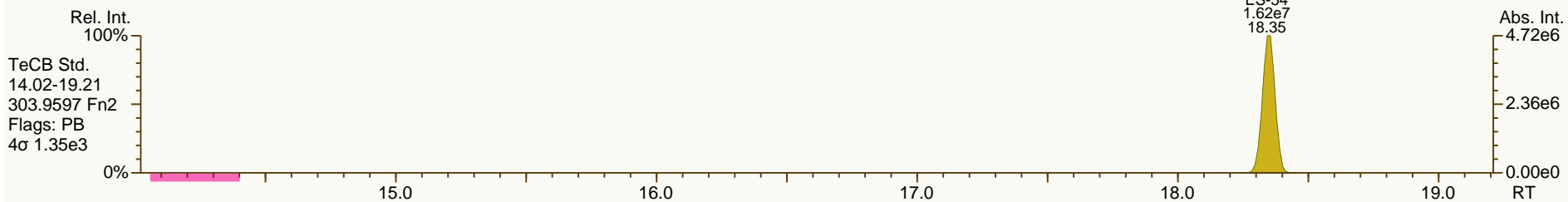
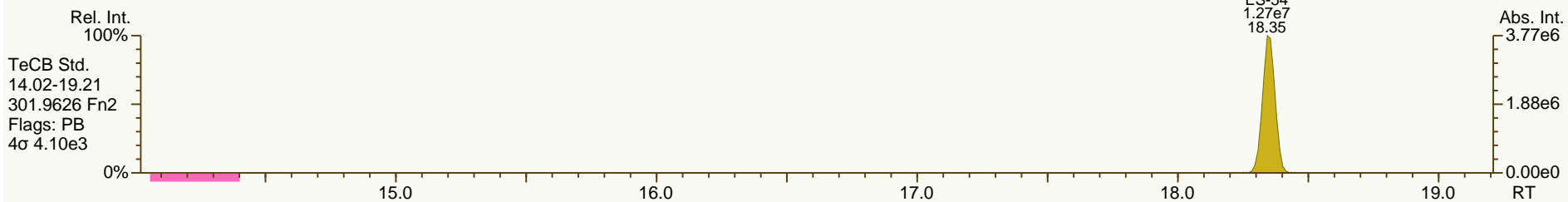
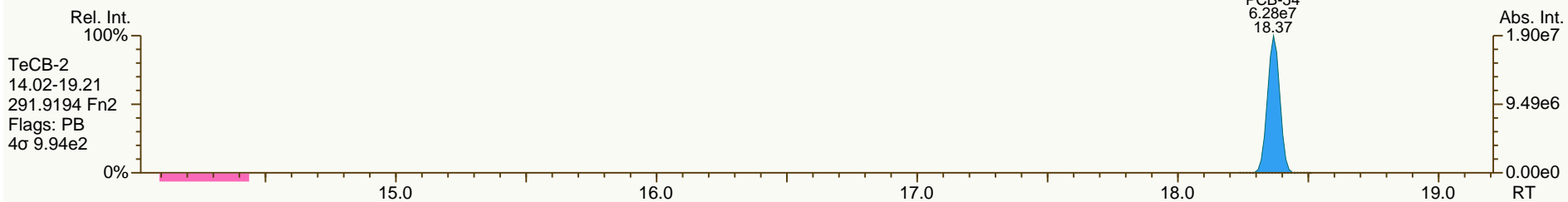
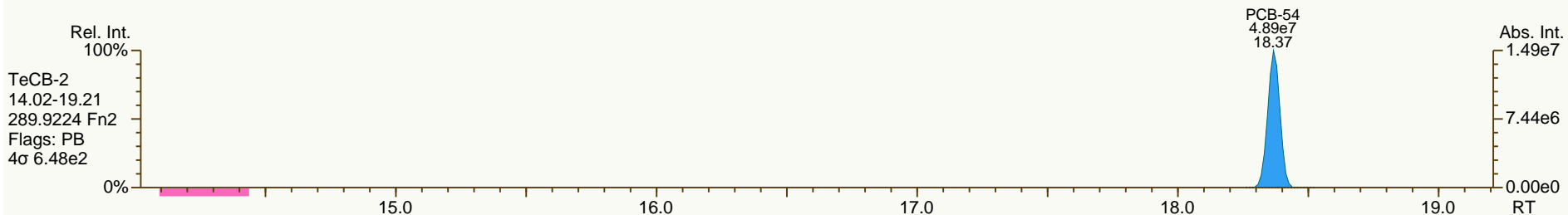
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

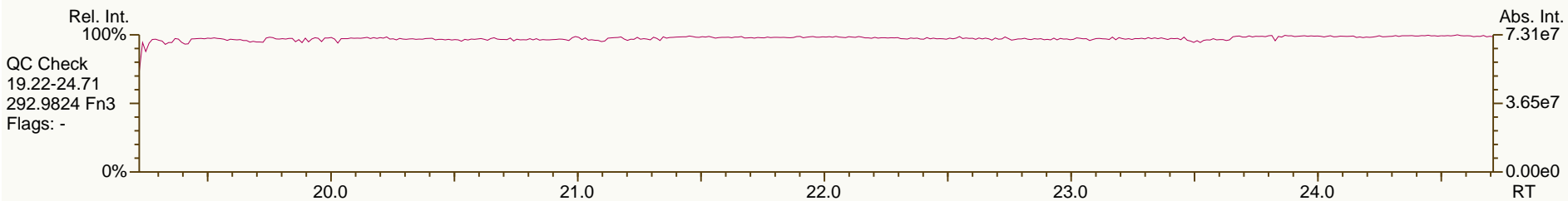
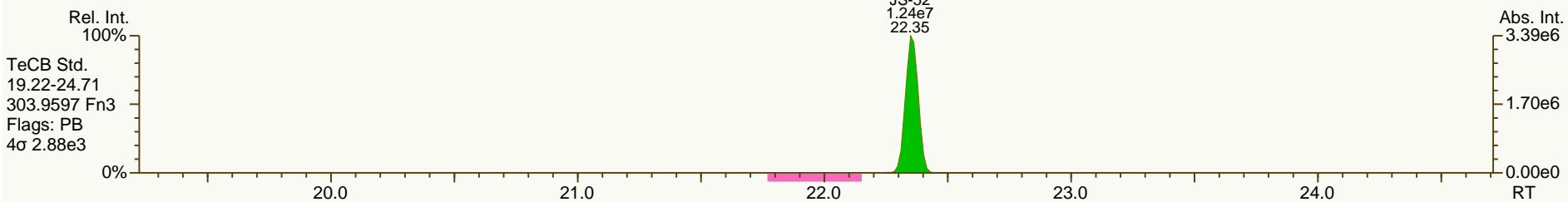
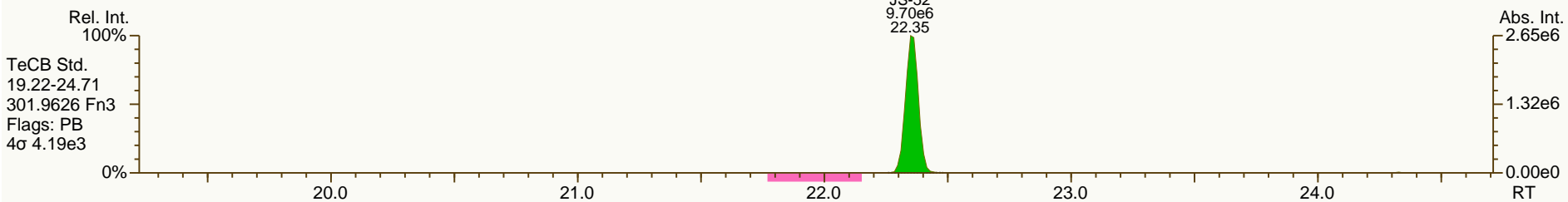
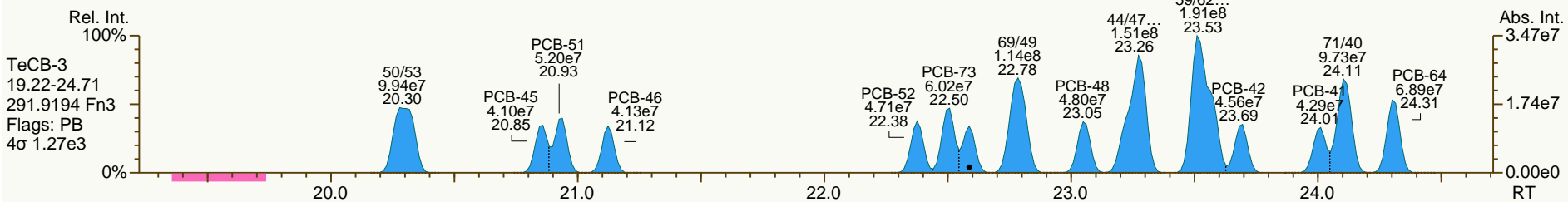
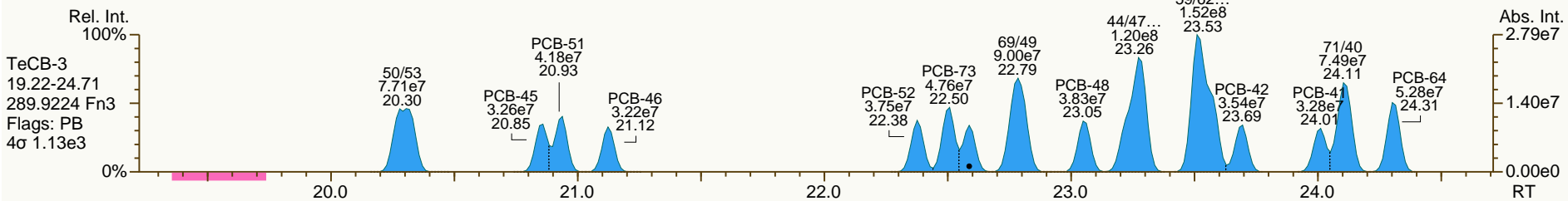
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

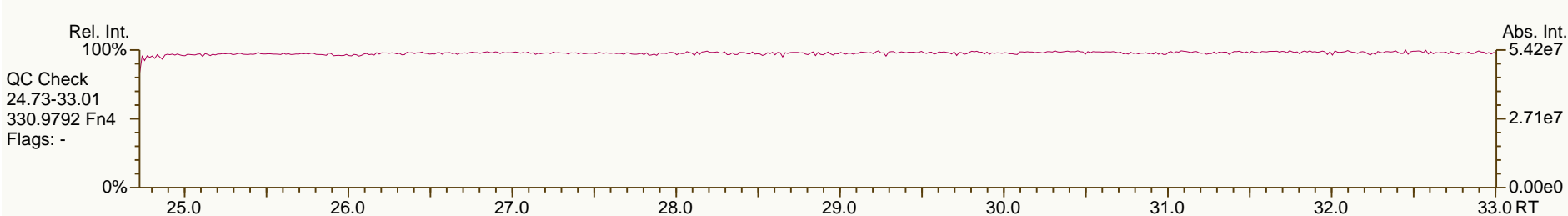
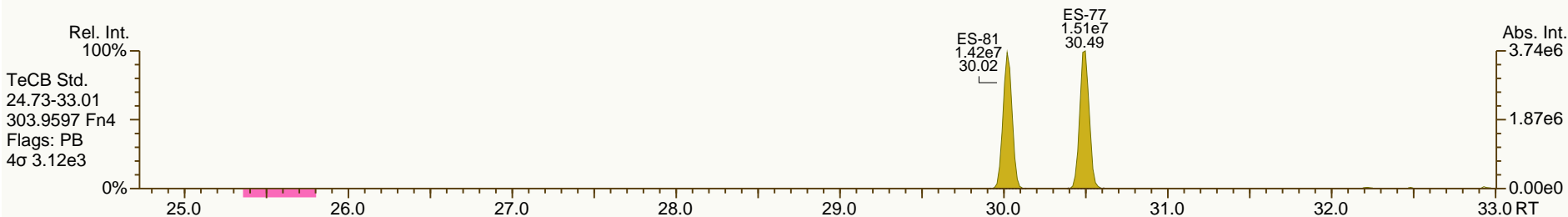
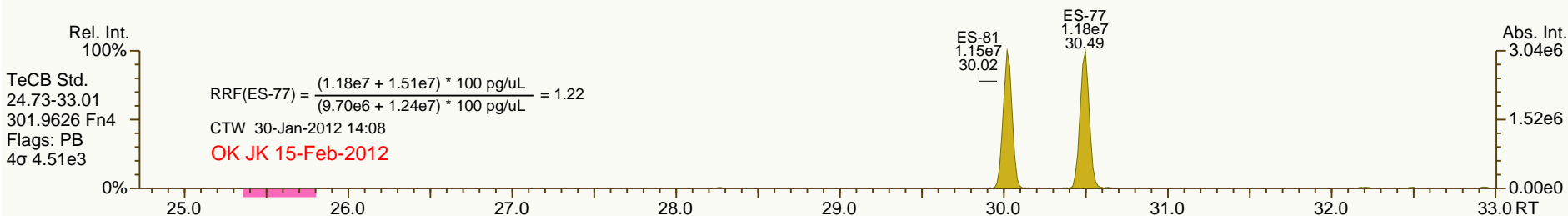
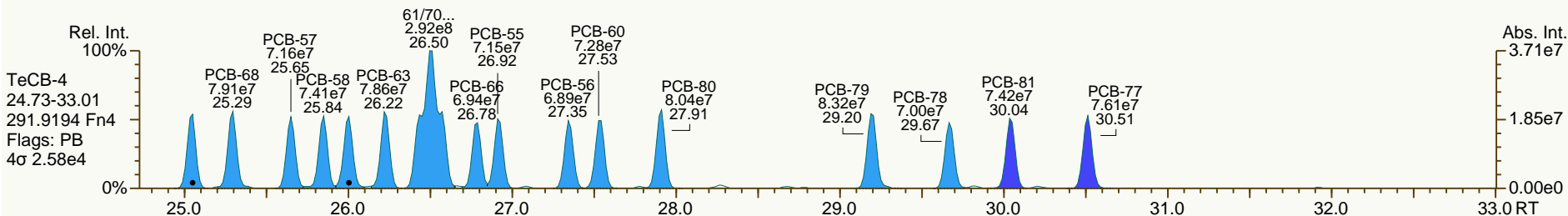
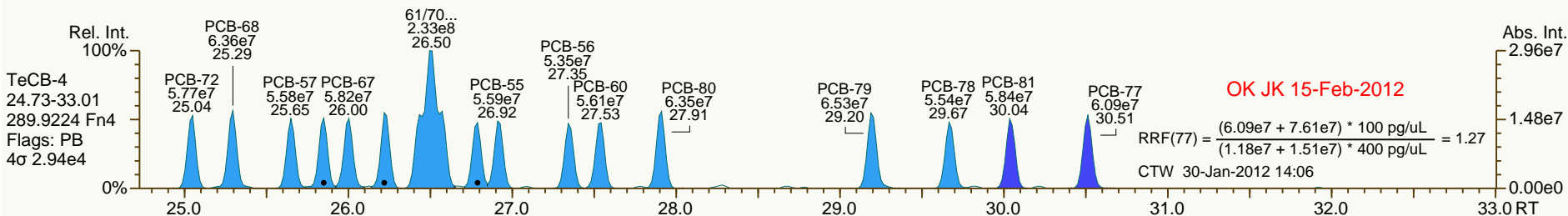
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

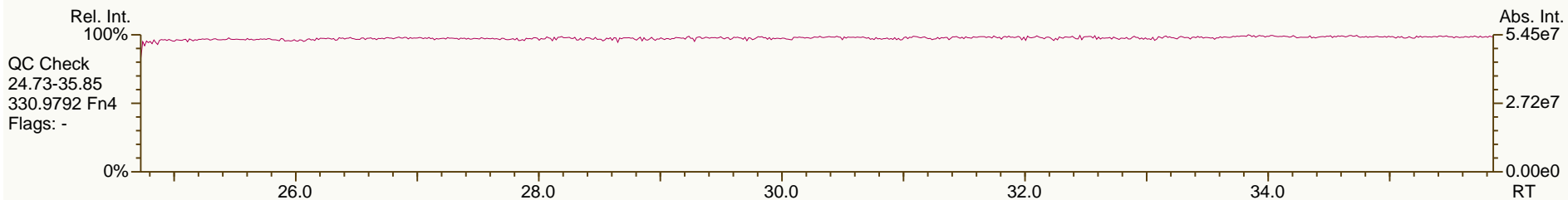
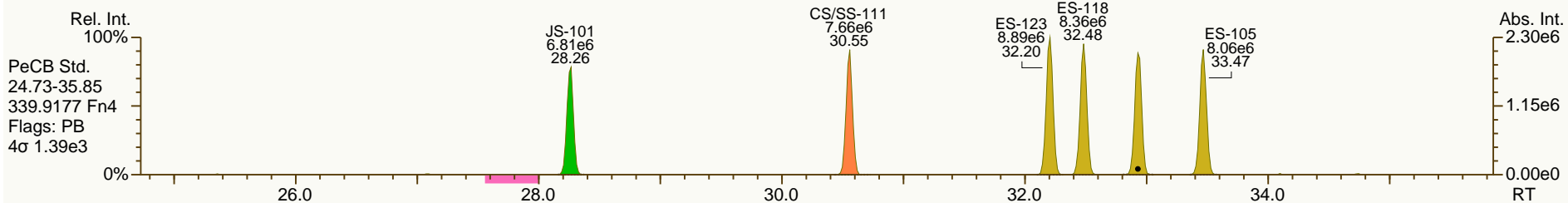
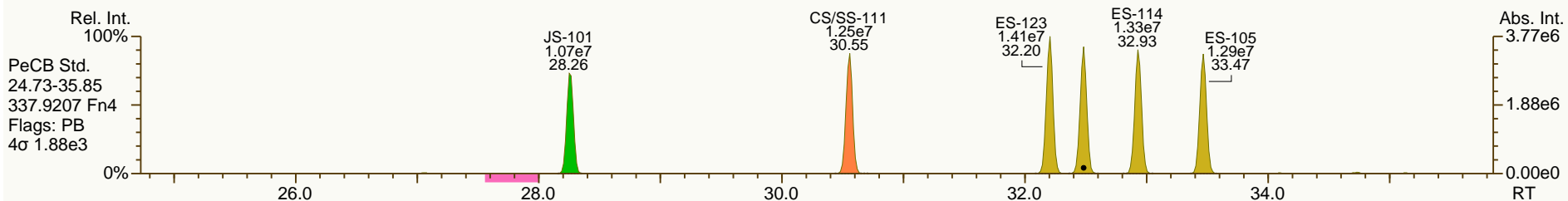
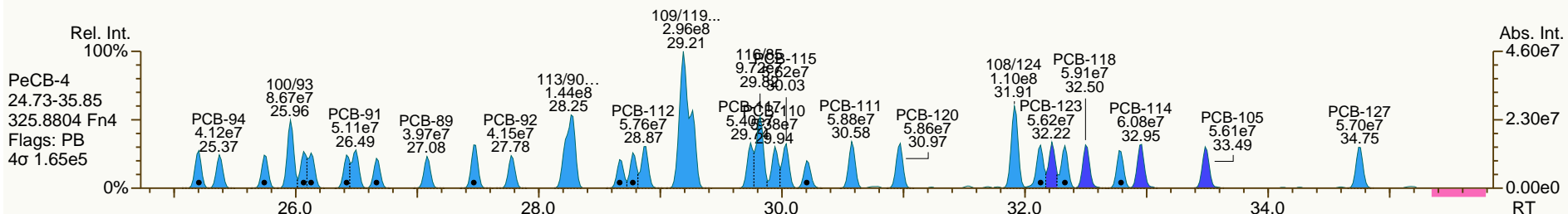
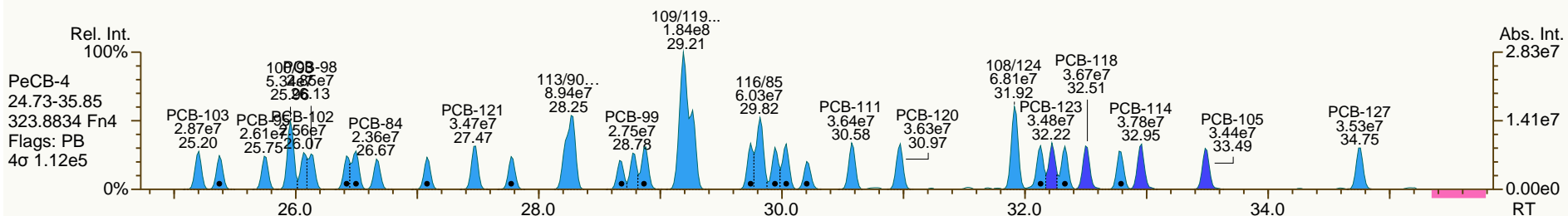
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

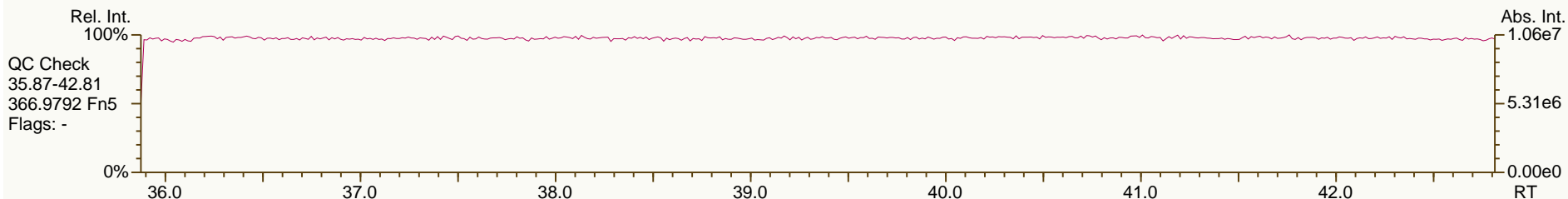
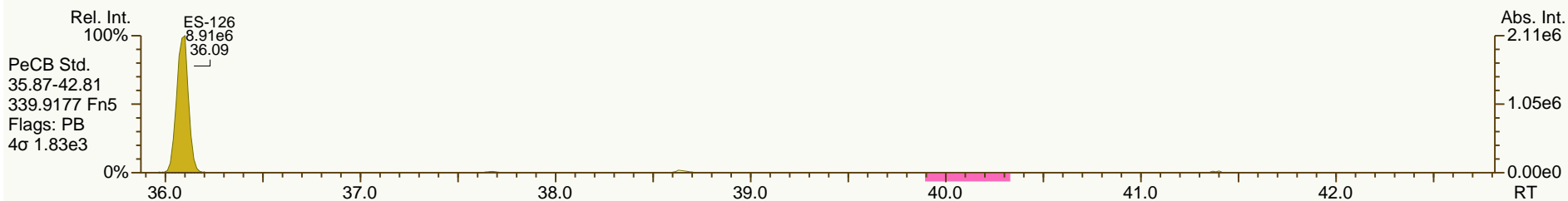
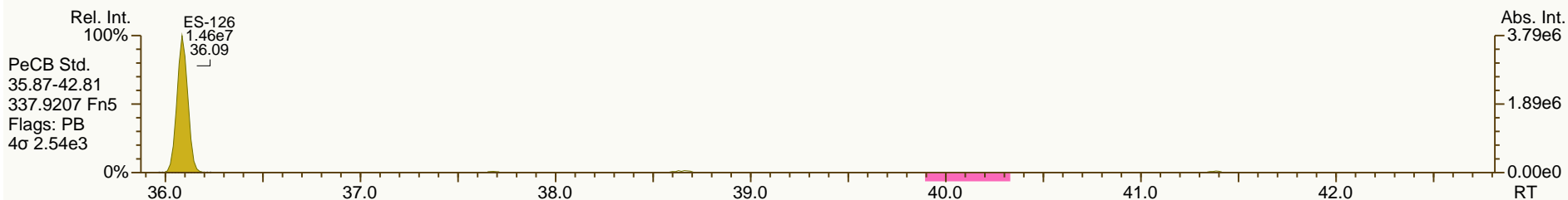
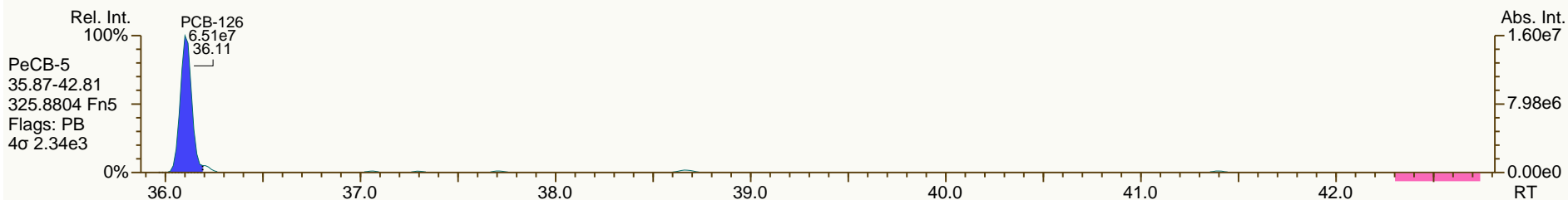
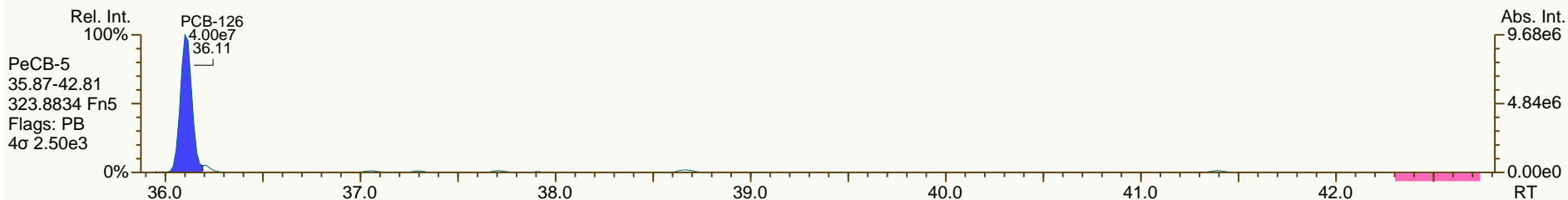
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

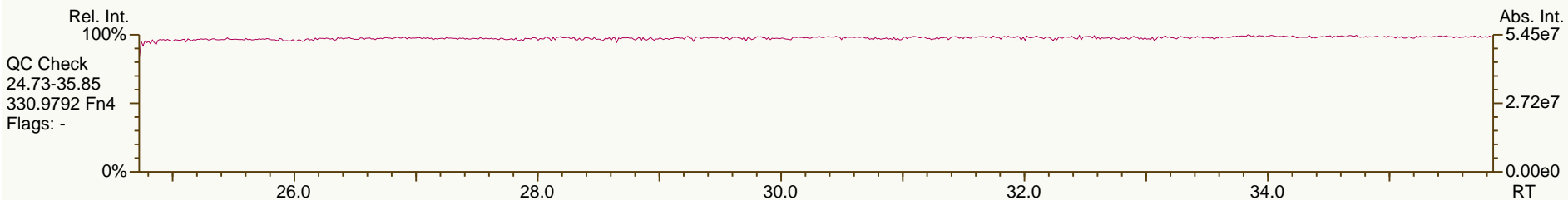
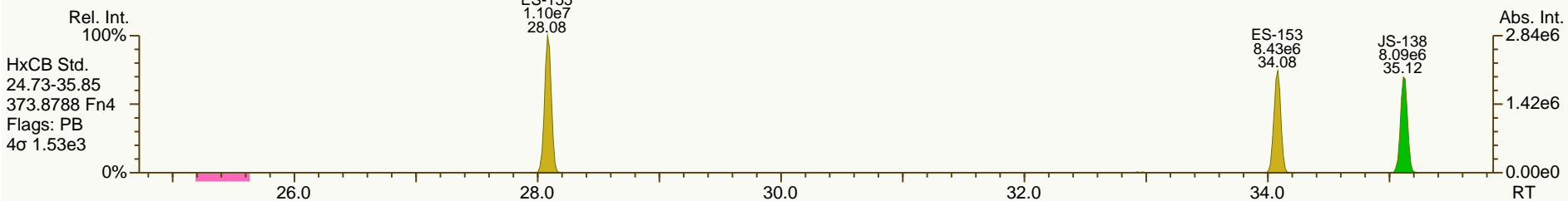
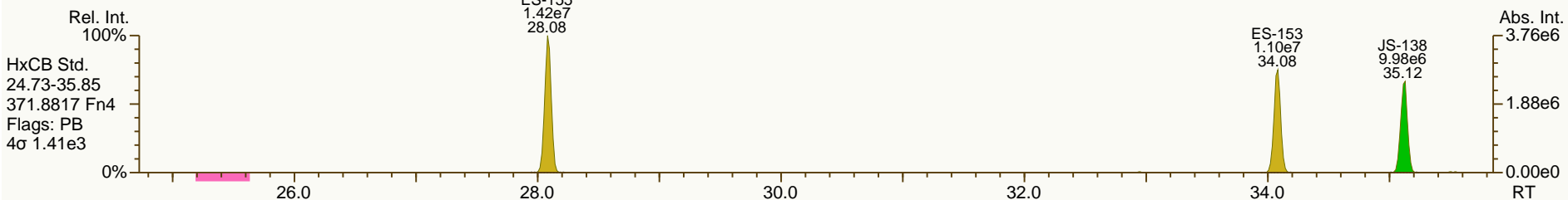
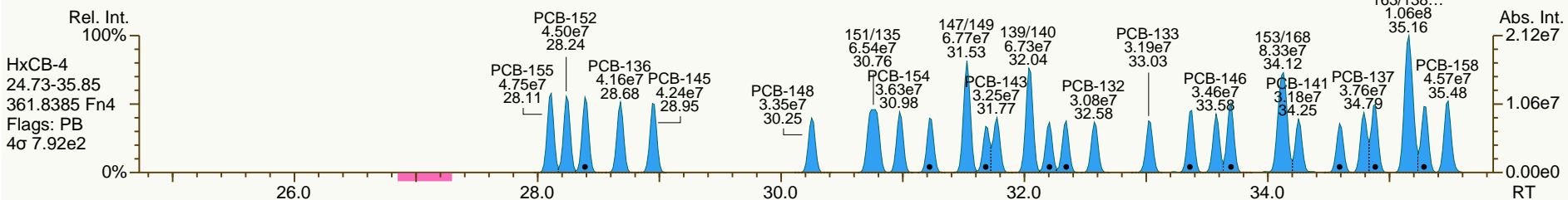
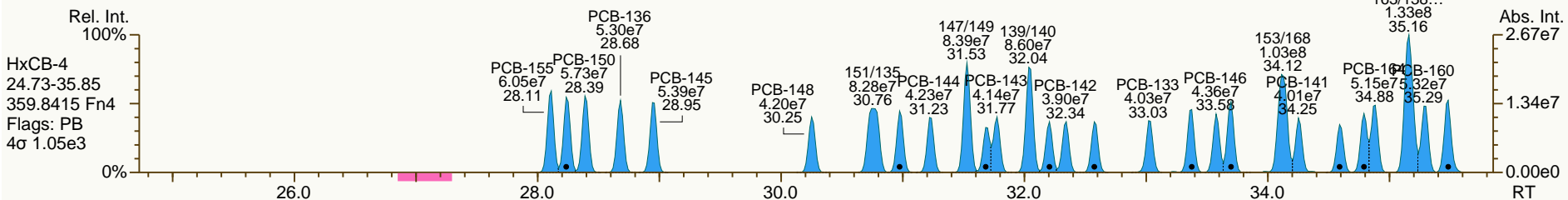
Acq: 26-Jan-2012 19:49:48
User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

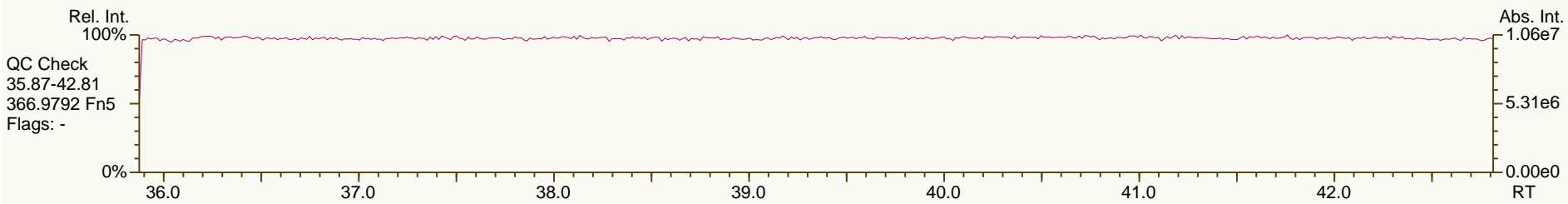
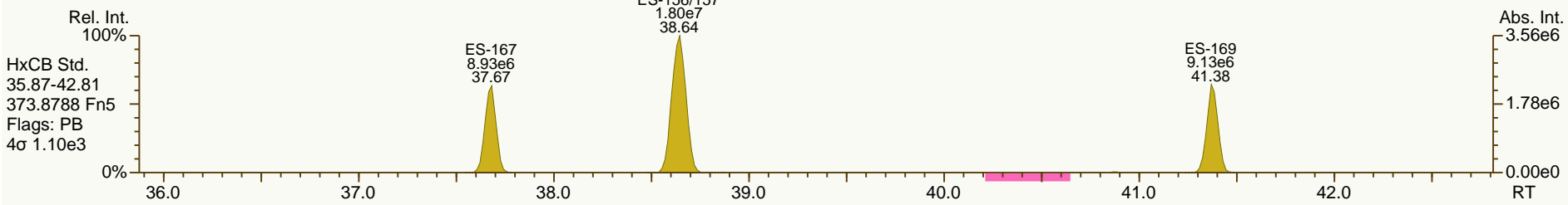
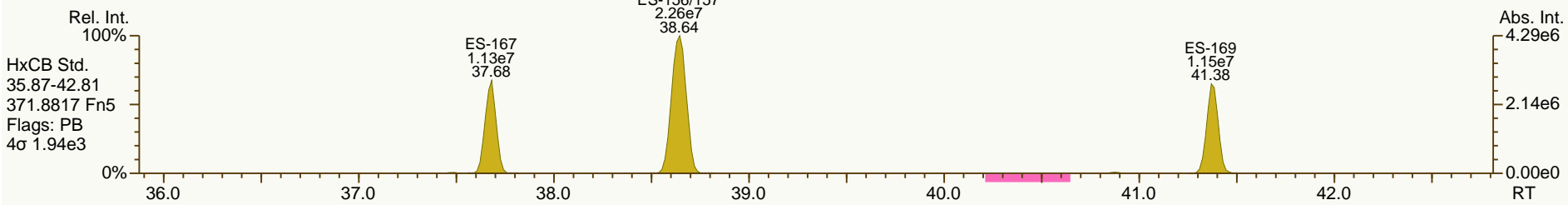
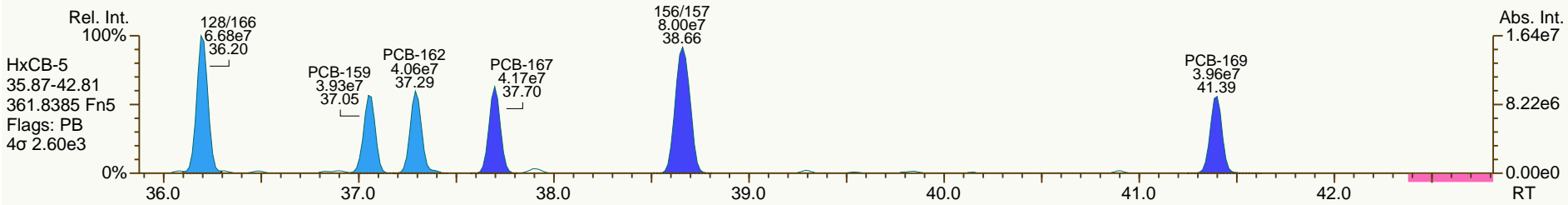
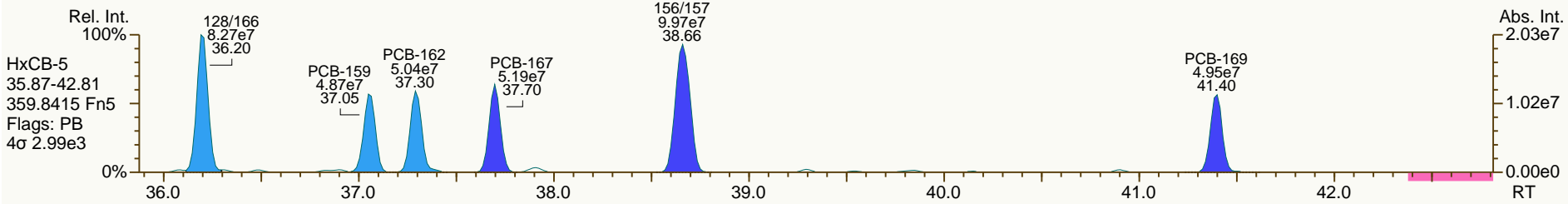
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

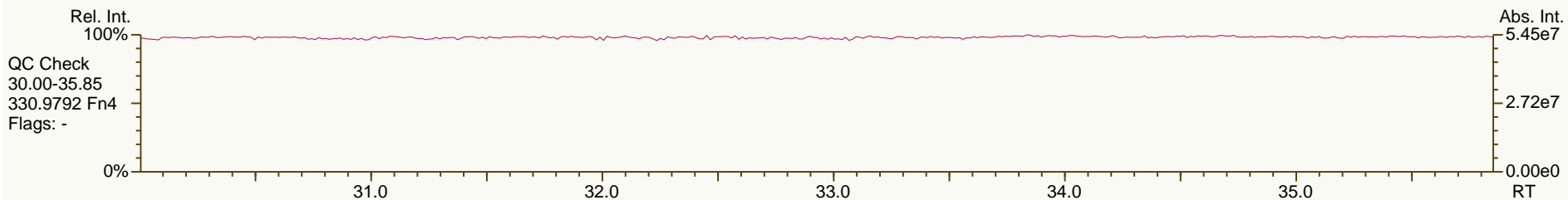
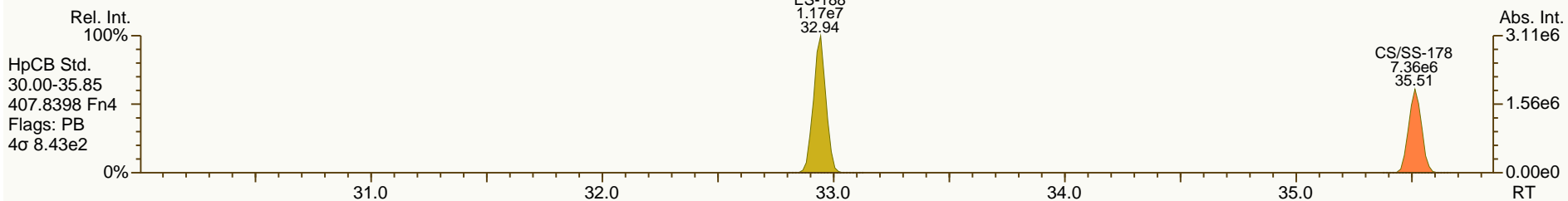
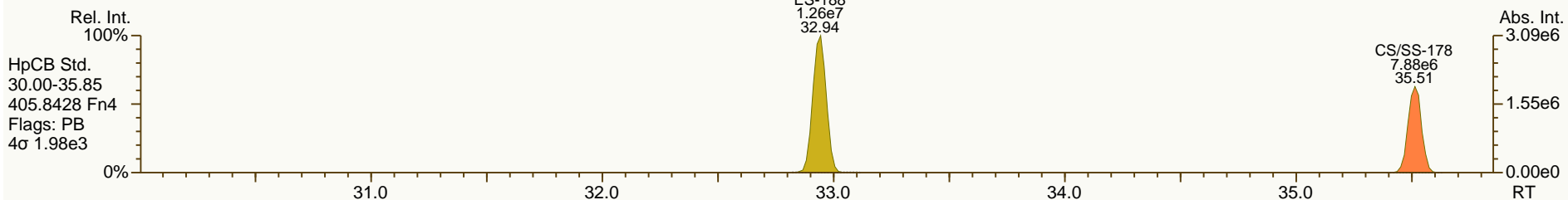
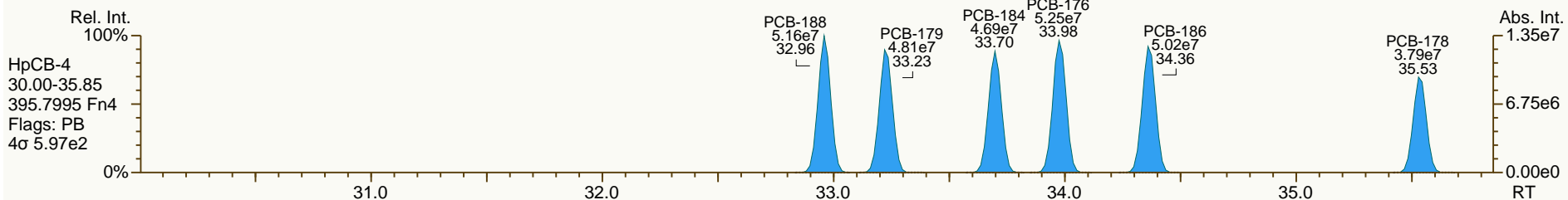
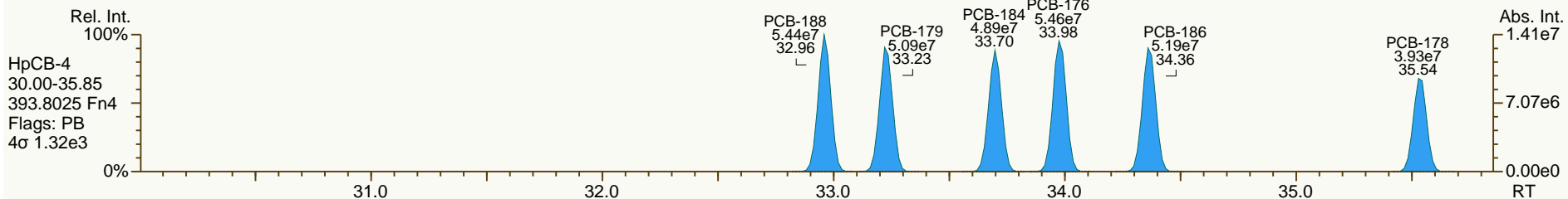
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

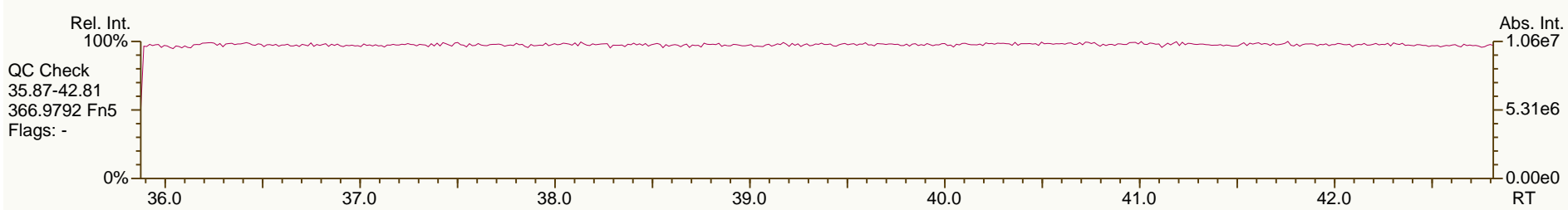
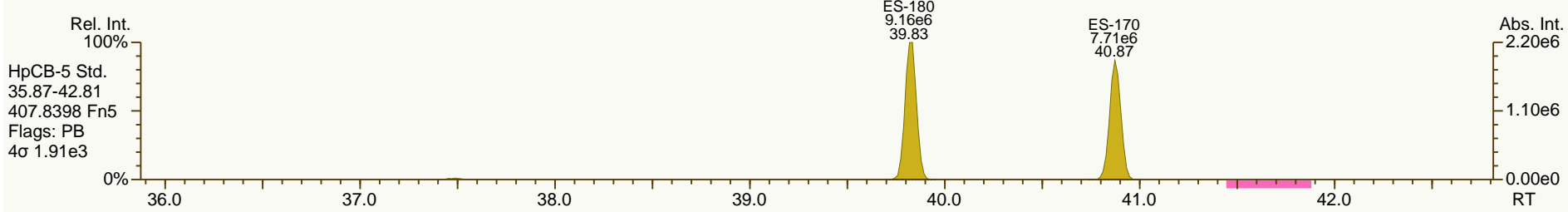
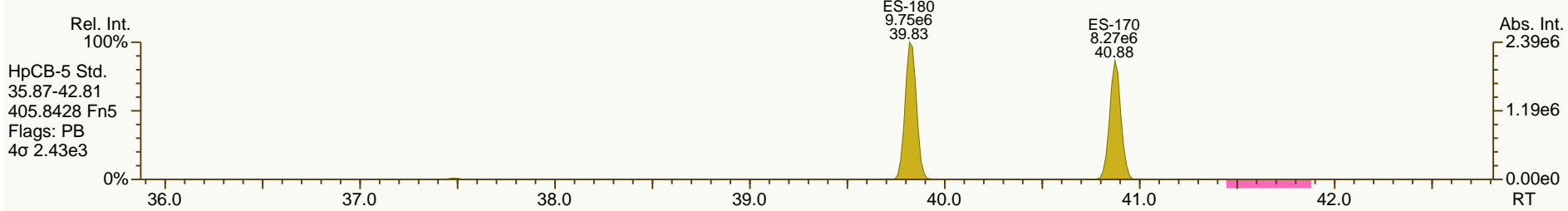
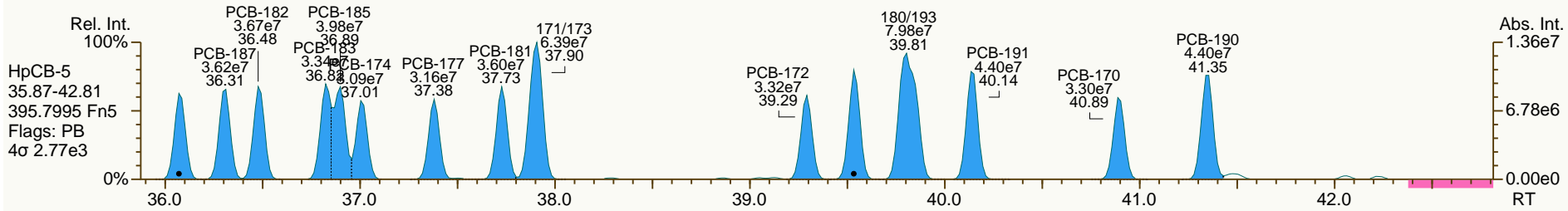
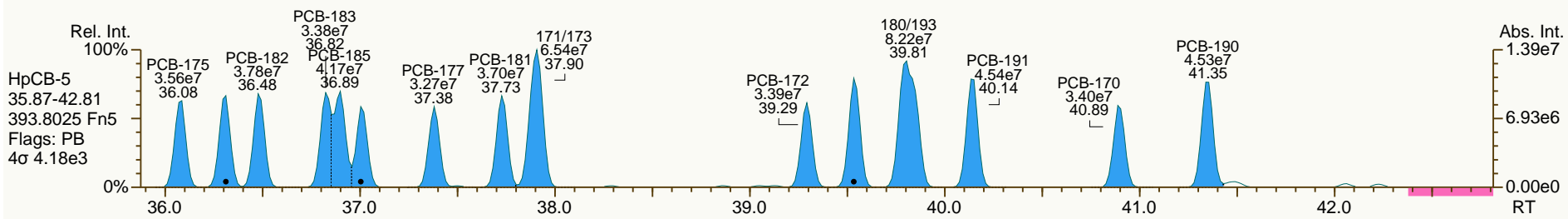
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

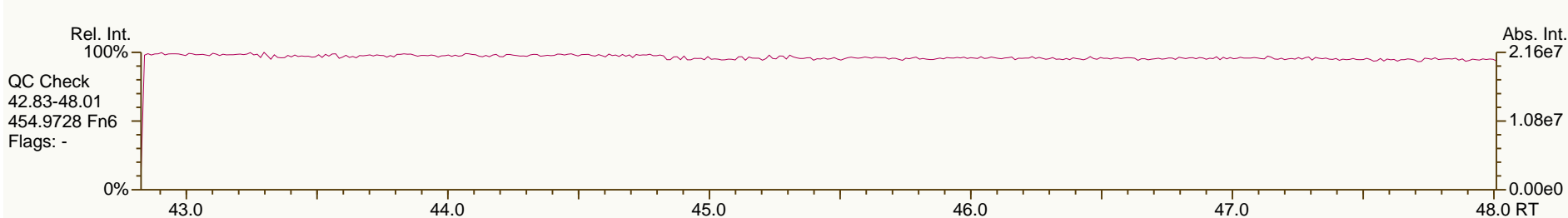
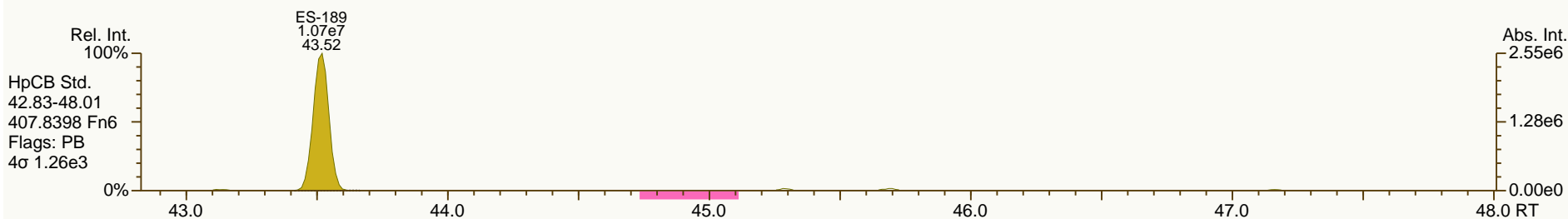
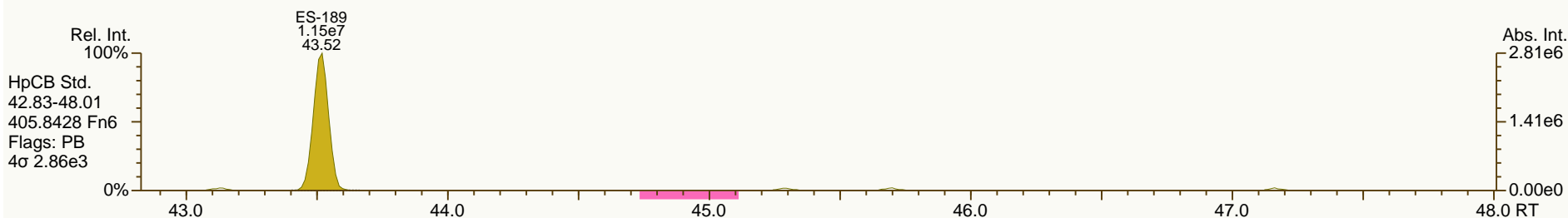
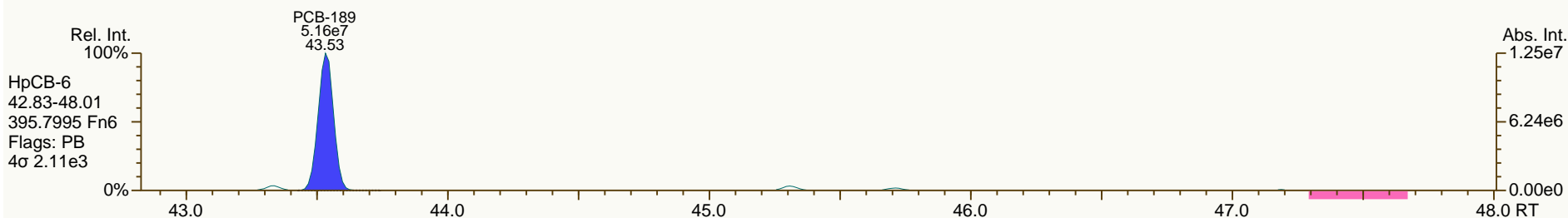
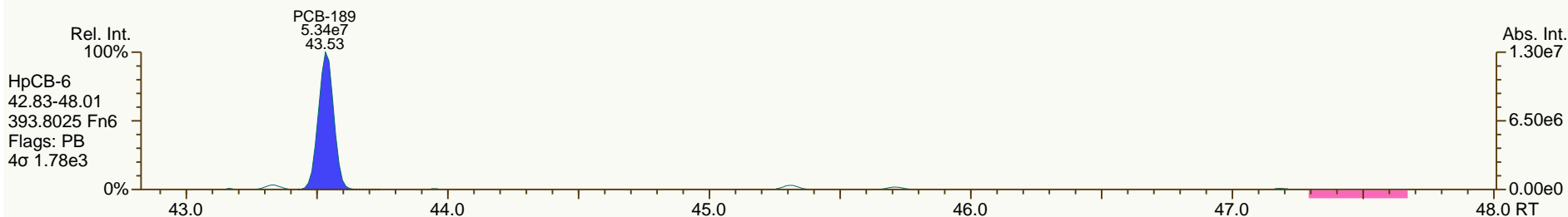
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

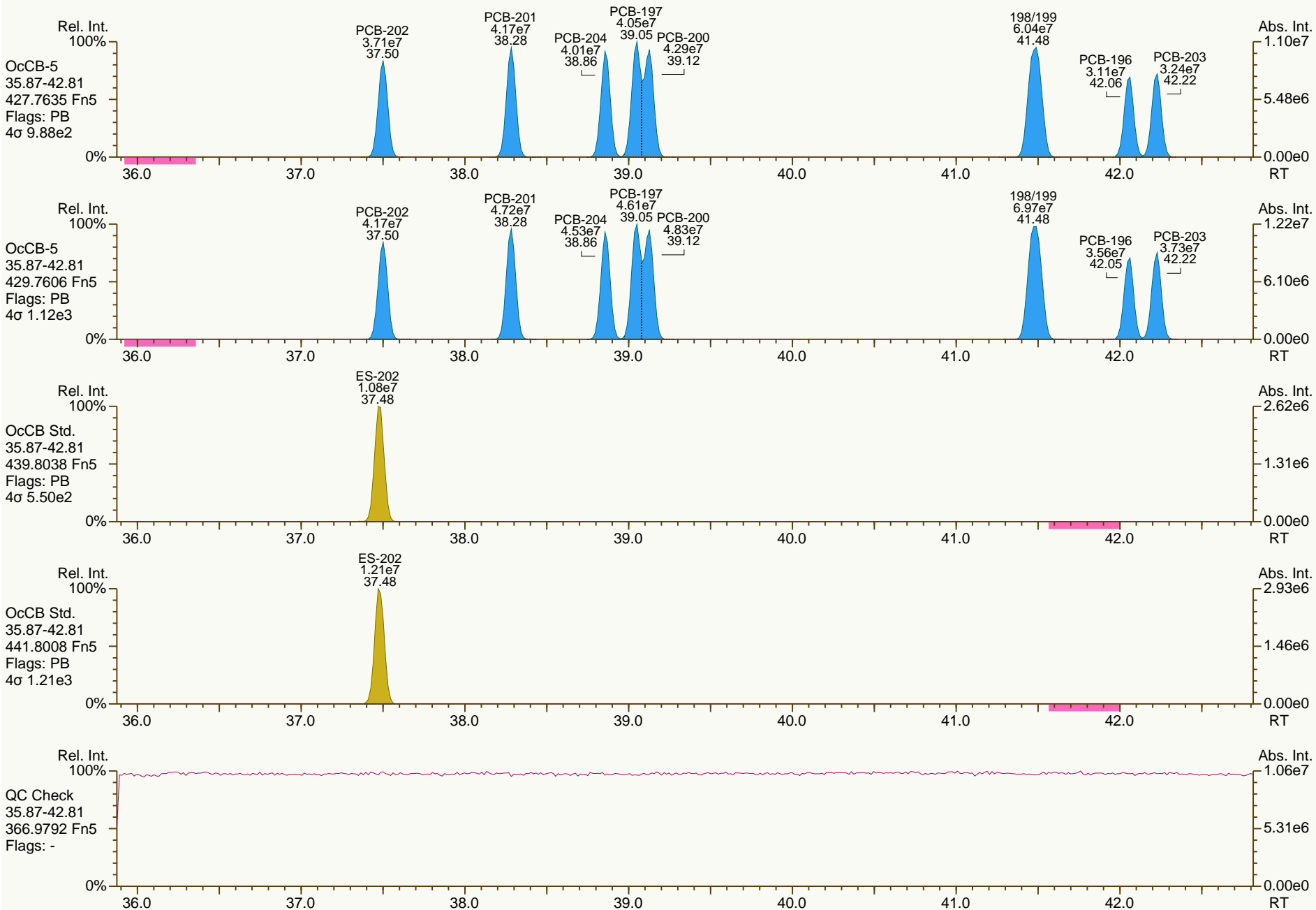
Acq: 26-Jan-2012 19:49:48
User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

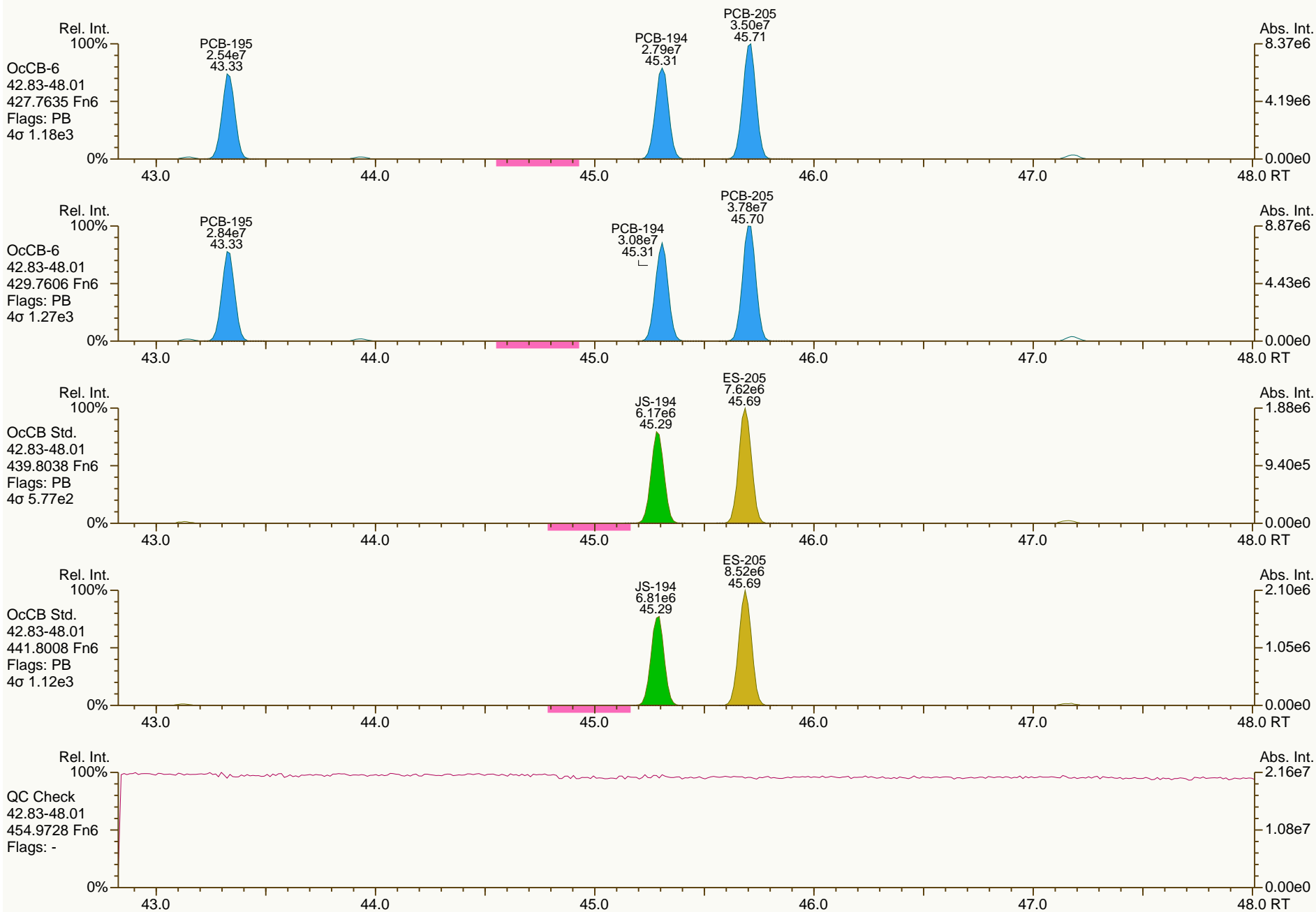
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

Acq: 26-Jan-2012 19:49:48
User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

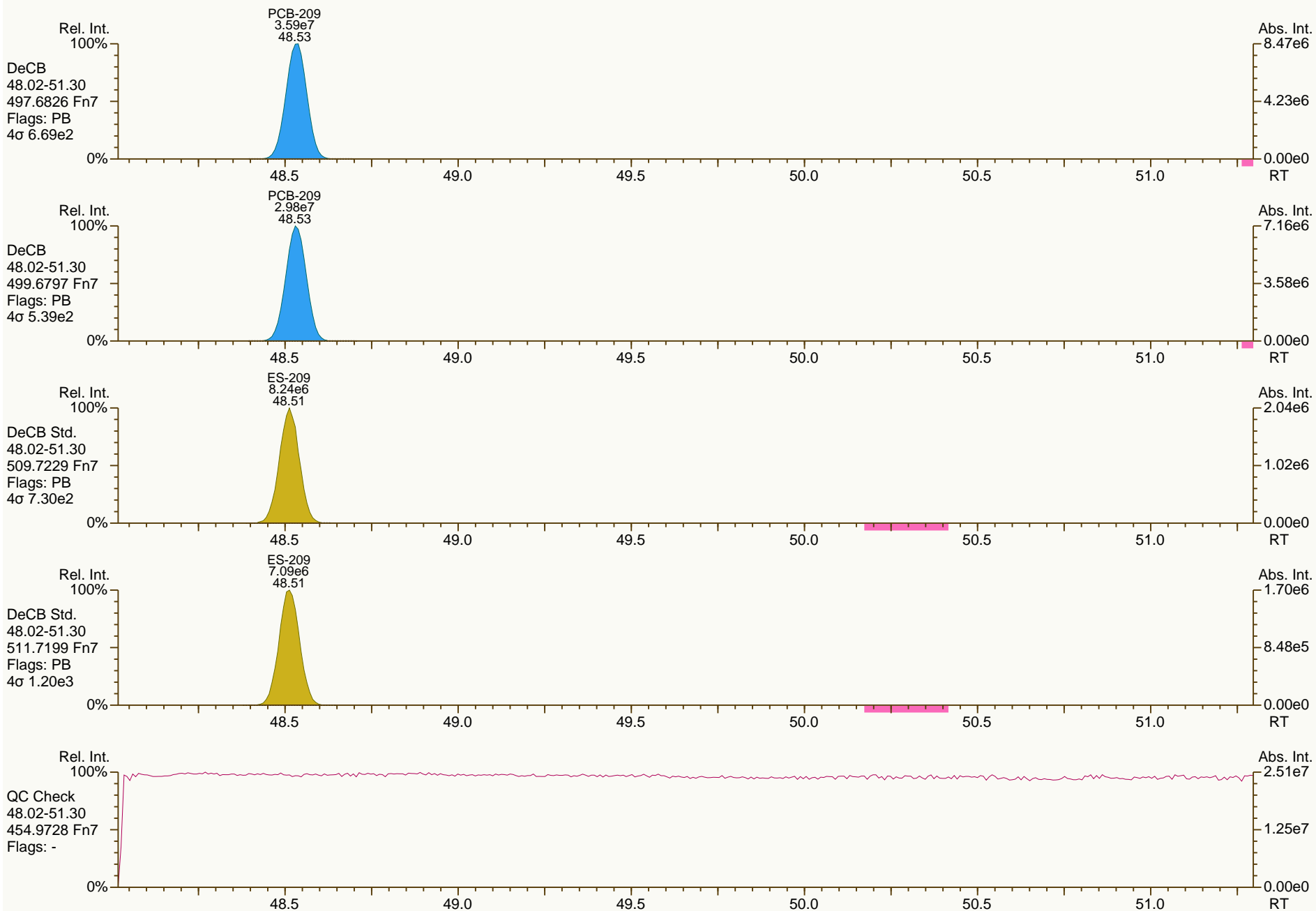
Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49		
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.52	1.16E+09	0.79 Y	1.22	1.29	5.5%	
PCB-81 344'5'-TeCB	30.05	1.13E+09	0.77 Y	1.24	1.31	5.0%	
PCB-105 233'44'-PeCB	33.50	7.39E+08	0.61 Y	1.03	1.07	4.3%	
PCB-114 2344'5'-PeCB	32.96	7.95E+08	0.61 Y	1.10	1.15	4.7%	
PCB-118 23'44'5'-PeCB	32.51	7.59E+08	0.61 Y	1.03	1.09	5.5%	
PCB-123 2'344'5'-PeCB	32.23	7.43E+08	0.61 Y	0.93	0.99	6.9%	
PCB-126 33'44'5'-PeCB	36.12	9.02E+08	0.62 Y	1.11	1.18	5.9%	
PCB-156/157 233'44'5'/233'44'5'	38.67	1.45E+09	1.24 Y	1.05	1.13	7.7%	
PCB-167 23'44'55'-HxCB	37.71	7.39E+08	1.24 Y	1.08	1.16	7.1%	
PCB-169 33'44'55'-HxCB	41.40	7.22E+08	1.25 Y	1.04	1.10	5.1%	
PCB-189 233'44'55'-HpCB	43.54	8.29E+08	1.05 Y	1.11	1.17	5.0%	
PCB-209 DeCB	48.54	5.01E+08	1.16 Y	1.05	1.08	3.1%	
ES PCB-1	10.49	6.65E+07	3.16 Y	1.01	1.02	0.6%	
ES PCB-3	12.54	7.05E+07	3.19 Y	1.05	1.08	2.7%	
ES PCB-4	12.77	4.55E+07	1.54 Y	0.70	0.70	-0.2%	
ES PCB-15	18.11	7.97E+07	1.60 Y	1.17	1.22	4.2%	
ES PCB-19	15.61	3.68E+07	1.05 Y	0.57	0.56	-0.7%	
ES PCB-37	24.24	5.44E+07	1.08 Y	1.41	1.49	5.3%	
ES PCB-54	18.36	5.06E+07	0.78 Y	1.32	1.38	4.6%	
ES PCB-77	30.50	4.50E+07	0.82 Y	1.22	1.23	1.1%	
ES PCB-81	30.03	4.34E+07	0.80 Y	1.15	1.19	3.0%	
ES PCB-104	23.19	4.79E+07	1.54 Y	1.69	1.68	-0.1%	
ES PCB-105	33.47	3.45E+07	1.57 Y	1.21	1.21	0.7%	
ES PCB-114	32.94	3.46E+07	1.60 Y	1.23	1.22	-1.1%	
ES PCB-118	32.49	3.48E+07	1.60 Y	1.25	1.22	-1.7%	
ES PCB-123	32.21	3.76E+07	1.55 Y	1.33	1.32	-0.3%	
ES PCB-126	36.10	3.83E+07	1.64 Y	1.36	1.35	-0.8%	
ES PCB-153	34.09	3.08E+07	1.24 Y	1.09	1.10	1.8%	
ES PCB-155	28.09	3.94E+07	1.26 Y	1.40	1.41	0.7%	
ES PCB-156/157	38.65	6.43E+07	1.27 Y	1.13	1.15	1.7%	
ES PCB-167	37.68	3.19E+07	1.24 Y	1.13	1.14	1.3%	
ES PCB-169	41.38	3.29E+07	1.25 Y	1.14	1.18	3.4%	
ES PCB-170	40.88	2.43E+07	1.06 Y	1.23	1.26	2.1%	
ES PCB-180	39.83	2.91E+07	1.04 Y	1.46	1.50	2.6%	
ES PCB-188	32.95	3.66E+07	1.05 Y	1.34	1.31	-2.0%	
ES PCB-189	43.52	3.56E+07	1.06 Y	1.77	1.84	4.1%	
ES PCB-202	37.49	3.53E+07	0.90 Y	1.27	1.27	-0.4%	
ES PCB-205	45.69	2.49E+07	0.88 Y	1.25	1.29	3.1%	
ES PCB-206	47.16	2.12E+07	0.79 Y	1.07	1.10	2.7%	
ES PCB-208	43.13	2.65E+07	0.79 Y	1.34	1.37	2.2%	
ES PCB-209	48.52	2.32E+07	1.21 Y	1.18	1.20	1.0%	

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49		
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	5.37E+07	1.07 Y	0.98	0.99	0.5%	
SS PCB-111	30.56	3.34E+07	1.55 Y	0.90	0.89	-1.0%	
SS PCB-178	35.52	2.41E+07	1.07 Y	0.65	0.66	1.8%	
CS PCB-28	20.78	5.37E+07	1.07 Y	1.39	1.47	5.9%	
CS PCB-111	30.56	3.34E+07	1.55 Y	1.19	1.18	-1.3%	
CS PCB-178	35.52	2.41E+07	1.07 Y	0.87	0.87	-0.3%	
JS PCB-9	14.60	6.53E+07	1.62 Y	-	-	-	
JS PCB-52	22.37	3.66E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	2.84E+07	1.55 Y	-	-	-	
JS PCB-138	35.13	2.79E+07	1.22 Y	-	-	-	
JS PCB-194	45.29	1.94E+07	0.88 Y	-	-	-	
PCB-1 2-MoCB	10.50	1.65E+09	3.13 Y	1.20	1.24	3.3%	
PCB-3 4-MoCB	12.55	1.65E+09	3.11 Y	1.13	1.17	3.7%	
PCB-4 22'-DiCB	12.78	9.03E+08	1.55 Y	0.94	0.99	5.1%	
PCB-15 44'-DiCB	18.12	1.65E+09	1.54 Y	1.01	1.04	3.1%	
PCB-19 22'6'-TrCB	15.63	7.80E+08	1.03 Y	1.01	1.06	5.0%	
PCB-37 344'-TrCB	24.26	1.37E+09	1.06 Y	1.20	1.26	4.8%	
PCB-54 22'66'-TeCB	18.38	9.91E+08	0.77 Y	0.93	0.98	5.0%	
PCB-104 22'466'-PeCB	23.22	9.19E+08	0.61 Y	0.92	0.96	4.7%	
PCB-153 22'44'55' -HxCB	34.13	1.47E+09	1.26 Y	1.15	1.19	4.1%	
PCB-155 22'44'66'-HxCB	28.12	8.78E+08	1.27 Y	1.06	1.11	5.5%	
PCB-170 22'33'44'5'-HpCB	40.90	5.26E+08	1.04 Y	1.00	1.08	8.2%	
PCB-180 22'344'55'-HpCB	39.82	1.24E+09	1.05 Y	1.01	1.06	4.8%	
PCB-188 22'34'566'-HpCB	32.97	8.25E+08	1.06 Y	1.07	1.13	5.6%	
PCB-202 22'33'55'66'-OcCB	37.51	6.03E+08	0.89 Y	0.83	0.85	3.3%	
PCB-205 233'44'55'6'-OcCB	45.71	5.72E+08	0.90 Y	1.09	1.15	5.0%	
PCB-208 22'33'455'66'-NoCB	43.15	5.44E+08	0.78 Y	0.98	1.03	5.2%	
PCB-206 22'33'44'55'6'-NoCB	47.18	4.12E+08	0.80 Y	0.93	0.97	4.1%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	1.65E+09	3.13 Y	1.20	1.24	3.3%	
PCB-2 3-MoCB	12.39	1.66E+09	3.12 Y	1.13	1.17	3.8%	
PCB-3 4-MoCB	12.55	1.65E+09	3.11 Y	1.13	1.17	3.7%	
PCB-4 22'-DiCB	12.78	9.03E+08	1.55 Y	0.94	0.99	5.1%	
PCB-10 26-DiCB	12.94	1.35E+09	1.56 Y	1.43	1.49	4.0%	
PCB-9 25-DiCB	14.61	1.41E+09	1.54 Y	0.87	0.88	1.7%	
PCB-7 24-DiCB	14.76	1.59E+09	1.55 Y	1.00	1.00	-0.4%	
PCB-6 23'-DiCB	14.97	1.50E+09	1.55 Y	0.94	0.94	0.6%	
PCB-5 23-DiCB	15.25	1.53E+09	1.55 Y	0.92	0.96	4.0%	
PCB-8 24'-DiCB	15.37	1.55E+09	1.54 Y	0.95	0.97	2.3%	
PCB-14 35-DiCB	16.84	1.78E+09	1.56 Y	1.09	1.12	2.2%	
PCB-11 33'-DiCB	17.58	1.55E+09	1.55 Y	0.98	0.97	-0.2%	
PCB-13/12 34'-/34-DiCB	17.85	3.19E+09	1.54 Y	0.97	1.00	3.3%	
PCB-15 44'-DiCB	18.12	1.65E+09	1.54 Y	1.01	1.04	3.1%	
PCB-19 22'6-TrCB	15.63	7.80E+08	1.03 Y	1.01	1.06	5.0%	
PCB-30/18 246-/22'5-TrCB	17.30	2.06E+09	1.03 Y	1.29	1.40	8.2%	
PCB-17 22'4-TrCB	17.68	8.84E+08	1.02 Y	1.14	1.20	5.7%	
PCB-27 23'6-TrCB	17.87	1.19E+09	1.03 Y	1.48	1.62	9.0%	
PCB-24 236-TrCB	17.99	1.10E+09	1.01 Y	1.43	1.50	5.0%	
PCB-16 22'3-TrCB	18.07	6.92E+08	1.04 Y	0.89	0.94	5.3%	
PCB-32 24'6-TrCB	18.54	1.21E+09	1.04 Y	1.56	1.65	5.9%	
PCB-34 2'35-TrCB	19.66	1.33E+09	1.06 Y	1.18	1.22	3.7%	
PCB-23 235-TrCB	19.80	1.34E+09	1.05 Y	1.19	1.23	3.9%	
PCB-26/29 23'5-/245-TrCB	20.08	2.75E+09	1.07 Y	1.20	1.26	5.2%	
PCB-25 23'4-TrCB	20.27	1.37E+09	1.06 Y	1.19	1.26	5.8%	
PCB-31 24'5-TrCB	20.54	1.41E+09	1.06 Y	1.23	1.30	5.8%	
PCB-28/20 244'-/233'-TrCB	20.81	2.73E+09	1.06 Y	1.18	1.25	6.2%	
PCB-21/33 234-/2'34-TrCB	20.97	2.78E+09	1.06 Y	1.21	1.28	5.2%	
PCB-22 234'-TrCB	21.34	1.28E+09	1.05 Y	1.11	1.18	5.5%	
PCB-36 33'5-TrCB	22.71	1.38E+09	1.07 Y	1.21	1.27	4.4%	
PCB-39 34'5-TrCB	23.02	1.44E+09	1.05 Y	1.32	1.33	0.6%	
PCB-38 345-TrCB	23.52	1.30E+09	1.06 Y	1.15	1.20	3.6%	
PCB-35 33'4-TrCB	23.91	1.27E+09	1.05 Y	1.13	1.17	3.2%	
PCB-37 344'-TrCB	24.26	1.37E+09	1.06 Y	1.20	1.26	4.8%	
PCB-54 22'66'-TeCB	18.38	9.91E+08	0.77 Y	0.93	0.98	5.0%	
PCB-50/53 22'46-/22'56'TeCB	20.31	1.56E+09	0.80 Y	0.83	0.90	8.0%	
PCB-45 22'36'-TeCB	20.86	6.63E+08	0.77 Y	0.71	0.76	8.3%	
PCB-51 22'46'-TeCB	20.94	8.16E+08	0.78 Y	0.88	0.94	7.1%	
PCB-46 22'36'-TeCB	21.13	6.37E+08	0.80 Y	0.69	0.73	5.7%	
PCB-52 22'55'-TeCB	22.39	7.26E+08	0.79 Y	0.80	0.84	4.3%	
PCB-73 23'5'6TeCB	22.51	9.52E+08	0.76 Y	1.03	1.10	6.3%	
PCB-43 22'35'-TeCB	22.60	6.36E+08	0.77 Y	0.71	0.73	3.9%	
PCB-69/49 23'46-/22'45'TeCB	22.80	1.76E+09	0.77 Y	0.96	1.01	5.7%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.06	7.45E+08	0.78 Y	0.84	0.86	2.7%	
PCB-44/47/65 22'35'-/22'44'-	23.28	2.34E+09	0.77 Y	0.86	0.90	4.6%	
PCB-59/62/75 233'6'-/2346-/24	23.55	2.96E+09	0.77 Y	1.09	1.14	4.2%	
PCB-42 22'34'-TeCB	23.70	6.84E+08	0.78 Y	0.77	0.79	2.9%	
PCB-41 22'34'-TeCB	24.02	6.65E+08	0.77 Y	0.73	0.77	5.6%	
PCB-71/40 23'4'6/22'33'-TeCB	24.12	1.48E+09	0.77 Y	0.81	0.85	4.5%	
PCB-64 234'6'-TeCB	24.32	1.05E+09	0.77 Y	1.17	1.21	3.5%	
PCB-72 23'55'-TeCB	25.05	1.13E+09	0.78 Y	1.25	1.31	4.4%	
PCB-68 23'45'-TeCB	25.30	1.20E+09	0.77 Y	1.36	1.39	1.6%	
PCB-57 233'5'-TeCB	25.66	1.08E+09	0.78 Y	1.22	1.25	2.1%	
PCB-58 233'5'-TeCB	25.86	1.09E+09	0.79 Y	1.26	1.26	0.0%	
PCB-67 23'45'-TeCB	26.01	1.15E+09	0.79 Y	1.27	1.32	3.6%	
PCB-63 234'5'-TeCB	26.23	1.22E+09	0.78 Y	1.34	1.41	5.5%	
PCB-61/70/74/76 2345-/23'4'5	26.52	4.58E+09	0.78 Y	1.24	1.32	6.2%	
PCB-66 23'44'-TeCB	26.79	1.07E+09	0.79 Y	1.19	1.24	4.2%	
PCB-55 233'4'-TeCB	26.93	1.08E+09	0.79 Y	1.22	1.24	2.1%	
PCB-56 233'4'-TeCB	27.36	1.06E+09	0.78 Y	1.18	1.23	4.1%	
PCB-60 2344'-TeCB	27.54	1.13E+09	0.77 Y	1.24	1.31	5.6%	
PCB-80 33'55'-TeCB	27.92	1.23E+09	0.78 Y	1.37	1.41	2.9%	
PCB-79 33'45'-TeCB	29.21	1.25E+09	0.79 Y	1.37	1.45	5.6%	
PCB-78 33'45'-TeCB	29.68	1.07E+09	0.78 Y	1.19	1.23	3.2%	
PCB-104 22'466'-PeCB	23.22	9.19E+08	0.61 Y	0.92	0.96	4.7%	
PCB-96 22'366'-PeCB	23.51	7.98E+08	0.62 Y	0.81	0.83	2.9%	
PCB-103 22'45'6'-PeCB	25.21	6.26E+08	0.62 Y	0.78	0.83	7.4%	
PCB-94 22'356'-PeCB	25.38	5.54E+08	0.62 Y	0.71	0.74	3.6%	
PCB-95 22'35'6'-PeCB	25.76	5.92E+08	0.62 Y	0.74	0.79	6.1%	
PCB-100/93 22'44'6-/22'356-P	25.97	1.21E+09	0.62 Y	0.75	0.81	8.0%	
PCB-102 22'456'-PeCB	26.08	5.99E+08	0.61 Y	0.75	0.80	6.5%	
PCB-98 22'3'46'-PeCB	26.14	5.80E+08	0.62 Y	0.71	0.77	8.6%	
PCB-88 22'346'-PeCB	26.43	5.37E+08	0.61 Y	0.66	0.71	7.5%	
PCB-91 22'34'6'-PeCB	26.50	6.67E+08	0.62 Y	0.84	0.89	5.8%	
PCB-84 22'33'6'-PeCB	26.68	5.14E+08	0.62 Y	0.65	0.68	5.3%	
PCB-89 22'346'-PeCB	27.09	5.42E+08	0.62 Y	0.69	0.72	5.0%	
PCB-121 23'45'6'-PeCB	27.48	7.69E+08	0.62 Y	0.98	1.02	4.0%	
PCB-92 22'355'-PeCB	27.79	5.52E+08	0.61 Y	0.72	0.74	2.7%	
PCB-113/90/101 233'5'6-/22'3	28.26	1.91E+09	0.62 Y	0.81	0.85	4.6%	
PCB-83 22'33'5'-PeCB	28.68	4.86E+08	0.62 Y	0.62	0.65	3.8%	
PCB-99 22'44'5'-PeCB	28.79	6.26E+08	0.62 Y	0.76	0.83	9.0%	
PCB-112 233'56'-PeCB	28.88	7.43E+08	0.62 Y	0.96	0.99	2.6%	
PCB-108/119/86/97/125/87 233	29.22	3.91E+09	0.62 Y	0.83	0.87	5.1%	
PCB-117 234'56'-PeCB	29.75	7.67E+08	0.61 Y	0.94	1.02	8.5%	
PCB-116/85 23456-/22'344'-Pe	29.83	1.26E+09	0.62 Y	0.81	0.84	3.8%	
PCB-110 233'4'6'-PeCB	29.96	7.40E+08	0.61 Y	0.92	0.99	7.1%	

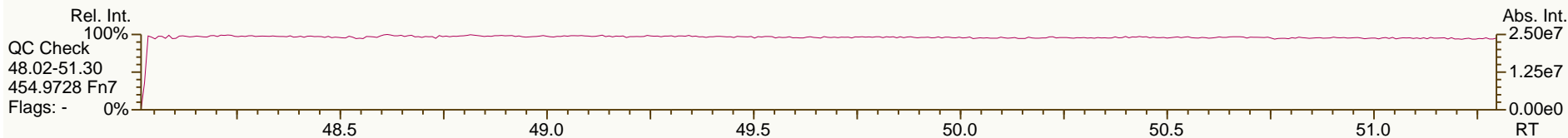
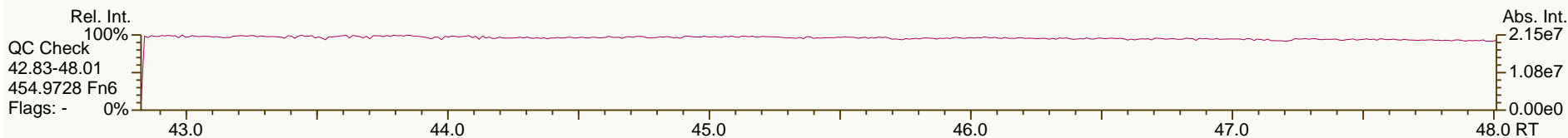
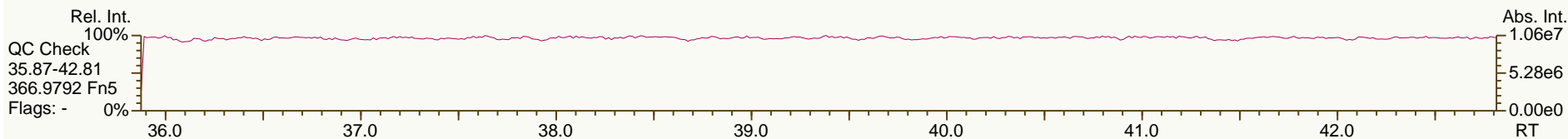
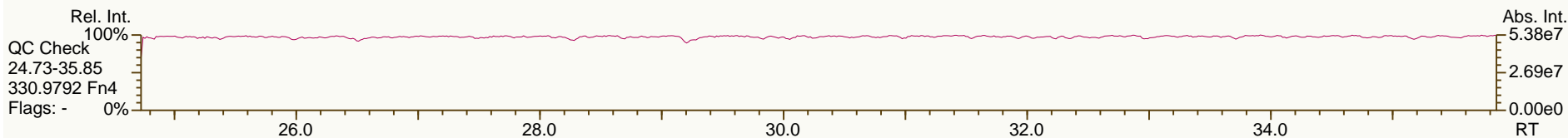
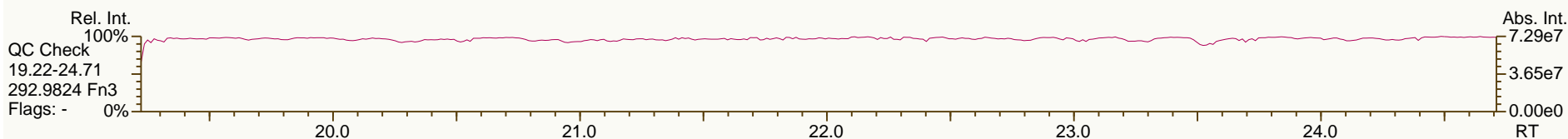
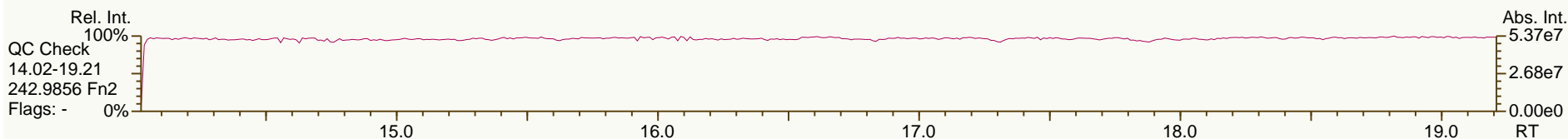
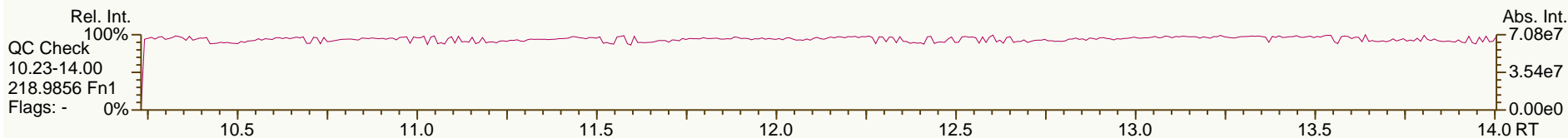
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.04	7.24E+08	0.62 Y	0.95	0.96	1.6%	
PCB-82 22'33'4-PeCB	30.22	4.82E+08	0.61 Y	0.62	0.64	4.1%	
PCB-111 233'55'-PeCB	30.59	7.70E+08	0.62 Y	0.98	1.03	4.1%	
PCB-120 23'455'-PeCB	30.98	7.71E+08	0.61 Y	0.99	1.03	3.3%	
PCB-107/124 233'4'5-/2'3455'	31.93	1.46E+09	0.62 Y	0.92	0.97	5.5%	
PCB-109 233'46-PeCB	32.13	8.05E+08	0.61 Y	1.00	1.07	7.7%	
PCB-106 233'45-PeCB	32.33	7.34E+08	0.62 Y	0.96	0.98	1.5%	
PCB-122 2'33'45-PeCB	32.79	6.75E+08	0.62 Y	0.93	0.97	5.2%	
PCB-127 33'455'-PeCB	34.76	7.40E+08	0.62 Y	1.04	1.07	3.1%	
PCB-155 22'44'66'-HxCB	28.12	8.78E+08	1.27 Y	1.06	1.11	5.5%	
PCB-152 22'3566'-HxCB	28.25	8.32E+08	1.27 Y	0.98	1.05	7.4%	
PCB-150 22'34'66'-HxCB	28.40	8.25E+08	1.26 Y	0.99	1.05	6.1%	
PCB-136 22'33'66'-HxCB	28.69	7.88E+08	1.26 Y	0.92	1.00	8.7%	
PCB-145 22'3466'HxCB	28.96	7.92E+08	1.26 Y	0.94	1.00	7.0%	
PCB-148 22'34'56'-HxCB	30.26	6.11E+08	1.27 Y	0.95	0.99	4.7%	
PCB-151/135 22'355'6-/22'33'	30.77	1.20E+09	1.26 Y	0.92	0.97	6.0%	
PCB-154 22'44'5'6-HxCB	30.99	6.74E+08	1.26 Y	1.01	1.09	7.8%	
PCB-144 22'345'6-HxCB	31.24	6.14E+08	1.26 Y	0.93	1.00	7.0%	
PCB-147/149 22'34'56-/22'34'	31.54	1.23E+09	1.24 Y	0.94	1.00	6.7%	
PCB-134 22'33'56-HxCB	31.70	5.38E+08	1.26 Y	0.78	0.87	11.2%	
PCB-143 22'3456'-HxCB	31.78	5.70E+08	1.26 Y	0.90	0.93	3.3%	
PCB-139/140 22'344'6-/22'344'	32.05	1.26E+09	1.25 Y	0.95	1.02	7.3%	
PCB-131 22'33'46-HxCB	32.21	5.50E+08	1.26 Y	0.84	0.89	6.7%	
PCB-142 22'3456-HxCB	32.35	5.67E+08	1.27 Y	0.87	0.92	5.7%	
PCB-132 22'33'46'-HxCB	32.59	5.60E+08	1.27 Y	0.88	0.91	3.8%	
PCB-133 22'33'55'-HxCB	33.04	5.76E+08	1.27 Y	0.89	0.93	5.0%	
PCB-165 233'55'6-HxCB	33.38	6.89E+08	1.27 Y	1.06	1.12	5.1%	
PCB-146 22'34'55'-HxCB	33.59	6.06E+08	1.27 Y	0.94	0.98	4.2%	
PCB-161 233'45'6-HxCB	33.70	7.83E+08	1.27 Y	1.20	1.27	6.0%	
PCB-153/168 22'44'55'-/23'44'	34.13	1.47E+09	1.26 Y	1.15	1.19	4.1%	
PCB-141 22'3455'-HxCB	34.26	5.91E+08	1.27 Y	0.91	0.96	5.0%	
PCB-130 22'33'45'-HxCB	34.60	5.33E+08	1.26 Y	0.82	0.86	5.2%	
PCB-137 22'344'5-HxCB	34.80	6.27E+08	1.26 Y	1.00	1.02	1.3%	
PCB-164 233'4'5'6-HxCB	34.88	7.81E+08	1.27 Y	1.14	1.27	11.4%	
PCB-163/138/129 233'4'56-/22'	35.17	1.92E+09	1.27 Y	0.98	1.04	5.5%	
PCB-160 233'456-HxCB	35.30	7.33E+08	1.27 Y	1.14	1.19	4.1%	
PCB-158 233'44'6-HxCB	35.49	8.10E+08	1.28 Y	1.24	1.31	5.7%	
PCB-128/166 22'33'44'-/2344'5	36.21	1.20E+09	1.25 Y	0.86	0.94	9.0%	
PCB-159 233'455'-HxCB	37.06	7.01E+08	1.25 Y	1.03	1.10	6.9%	
PCB-162 233'4'55'-HxCB	37.30	7.25E+08	1.24 Y	1.04	1.14	9.3%	
PCB-188 22'34'566'-HpCB	32.97	8.25E+08	1.06 Y	1.07	1.13	5.6%	
PCB-179 22'33'566'-HpCB	33.24	7.72E+08	1.07 Y	0.98	1.05	7.8%	
PCB-184 22'344'66'-HpCB	33.71	7.44E+08	1.06 Y	0.97	1.02	4.5%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:49		
Lab ID:	CS5_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	8.38E+08	1.06 Y	1.06	1.14	7.4%	
PCB-186 22'34566'-HpCB	34.37	7.98E+08	1.05 Y	1.02	1.09	7.2%	
PCB-178 22'33'55'6'-HpCB	35.54	6.00E+08	1.06 Y	0.77	0.82	6.2%	
PCB-175 22'33'45'6'-HpCB	36.09	5.57E+08	1.07 Y	0.89	0.96	7.2%	
PCB-187 22'34'55'6'-HpCB	36.31	5.69E+08	1.03 Y	0.94	0.98	4.5%	
PCB-182 22'344'56'-HpCB	36.49	5.91E+08	1.05 Y	0.95	1.02	6.9%	
PCB-183 22'344'5'6'-HpCB	36.83	5.85E+08	1.06 Y	0.96	1.01	5.1%	
PCB-185 22'3455'6'-HpCB	36.90	5.84E+08	1.07 Y	0.93	1.00	7.9%	
PCB-174 22'33'456'-HpCB	37.02	5.11E+08	1.07 Y	0.80	0.88	9.6%	
PCB-177 22'33'4'56'-HpCB	37.39	5.09E+08	1.04 Y	0.82	0.87	7.1%	
PCB-181 22'344'56'-HpCB	37.74	5.90E+08	1.03 Y	0.91	1.01	10.9%	
PCB-171/173 22'33'44'6'-/22'3	37.91	1.03E+09	1.05 Y	0.81	0.89	9.0%	
PCB-172 22'33'455'-HpCB	39.30	5.16E+08	1.02 Y	0.83	0.89	7.2%	
PCB-192 233'455'6'-HpCB	39.54	6.68E+08	1.05 Y	1.09	1.15	5.0%	
PCB-180/193 22'344'55'-/233'	39.82	1.24E+09	1.05 Y	1.01	1.06	4.8%	
PCB-191 233'44'5'6'-HpCB	40.15	6.92E+08	1.07 Y	1.13	1.19	5.0%	
PCB-170 22'33'44'5'-HpCB	40.90	5.26E+08	1.04 Y	1.00	1.08	8.2%	
PCB-190 233'44'56'-HpCB	41.35	7.06E+08	1.04 Y	1.35	1.45	7.3%	
PCB-202 22'33'55'66'-OcCB	37.51	6.03E+08	0.89 Y	0.83	0.85	3.3%	
PCB-201 22'33'45'66'-OcCB	38.29	6.79E+08	0.89 Y	0.93	0.96	3.9%	
PCB-204 22'344'566'-OcCB	38.87	6.47E+08	0.88 Y	0.89	0.92	2.8%	
PCB-197 22'33'44'66'-OcCB	39.06	7.08E+08	0.88 Y	0.91	1.00	9.8%	
PCB-200 22'33'4566'-OcCB	39.13	6.40E+08	0.89 Y	0.93	0.91	-2.3%	
PCB-198/199 22'33'455'6'-/22'	41.49	9.95E+08	0.88 Y	0.68	0.70	3.1%	
PCB-196 22'33'44'56'-OcCB	42.06	5.21E+08	0.86 Y	0.72	0.74	2.9%	
PCB-203 22'344'55'6'-OcCB	42.23	5.47E+08	0.88 Y	0.74	0.77	5.2%	
PCB-195 22'33'44'56'-OcCB	43.34	4.22E+08	0.89 Y	0.81	0.85	4.4%	
PCB-194 22'33'44'55'-OcCB	45.31	4.61E+08	0.89 Y	0.86	0.92	7.7%	
PCB-205 233'44'55'6'-OcCB	45.71	5.72E+08	0.90 Y	1.09	1.15	5.0%	
PCB-208 22'33'455'66'-NoCB	43.15	5.44E+08	0.78 Y	0.98	1.03	5.2%	
PCB-207 22'33'44'566'-NoCB	43.93	5.65E+08	0.77 Y	1.02	1.07	5.2%	
PCB-206 22'33'44'55'6'-NoCB	47.18	4.12E+08	0.80 Y	0.93	0.97	4.1%	

AP Lab ID: CS5_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

Acq: 26-Jan-2012 20:44:52
User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

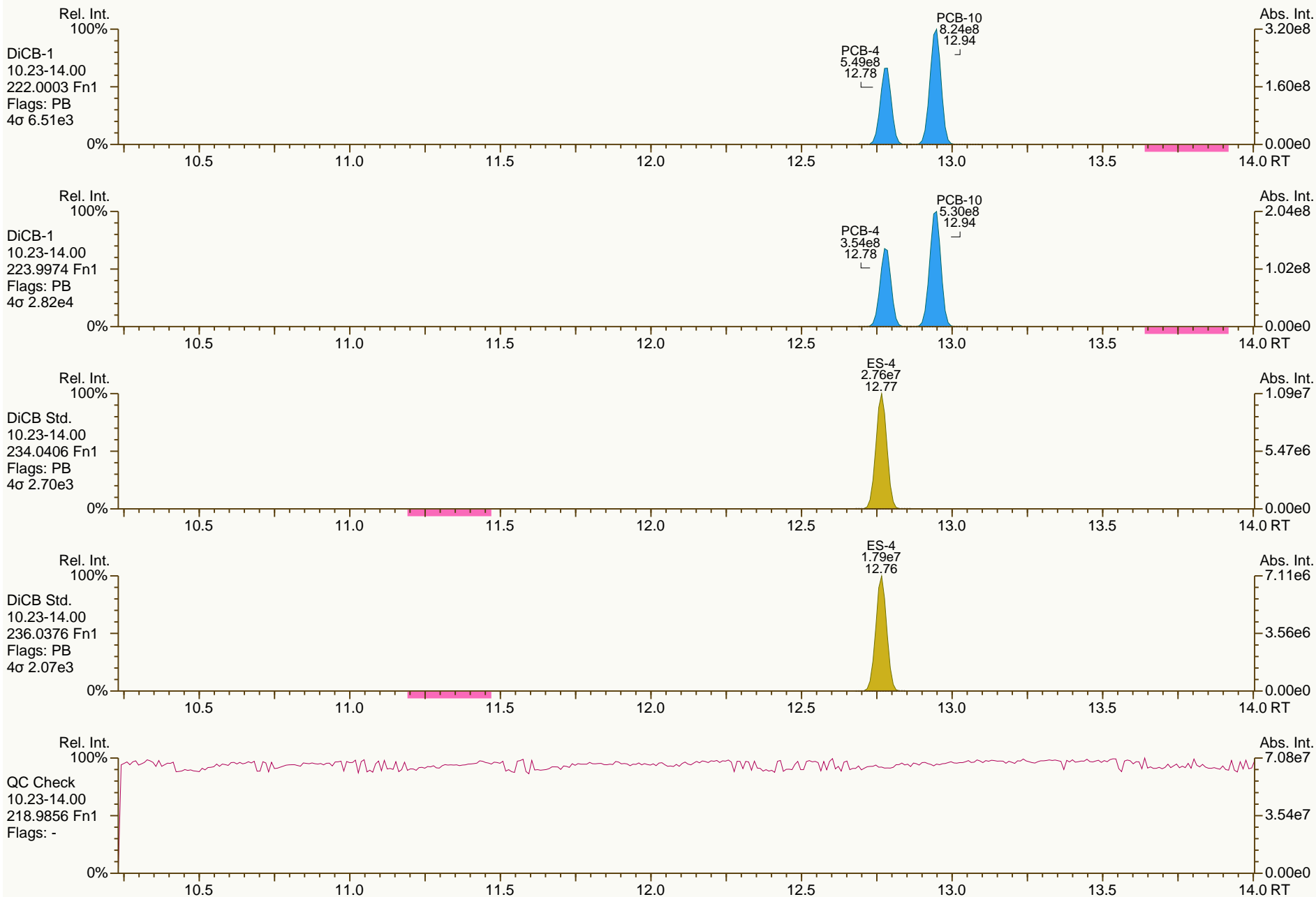
Acq: 26-Jan-2012 20:44:52
User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

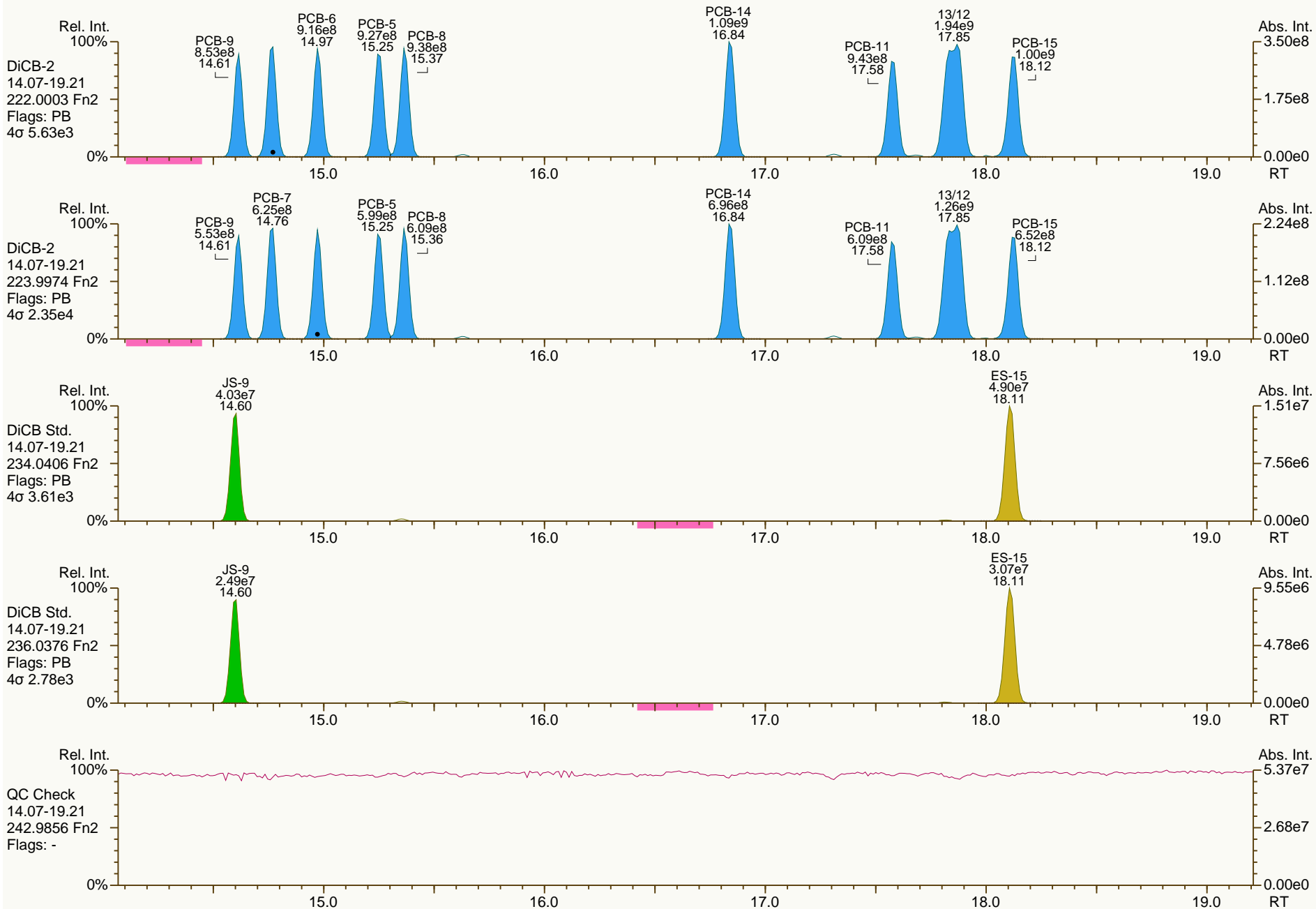
Acq: 26-Jan-2012 20:44:52
User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

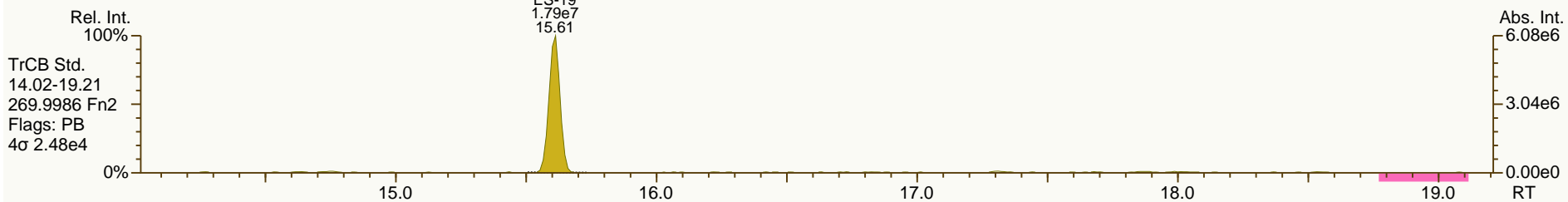
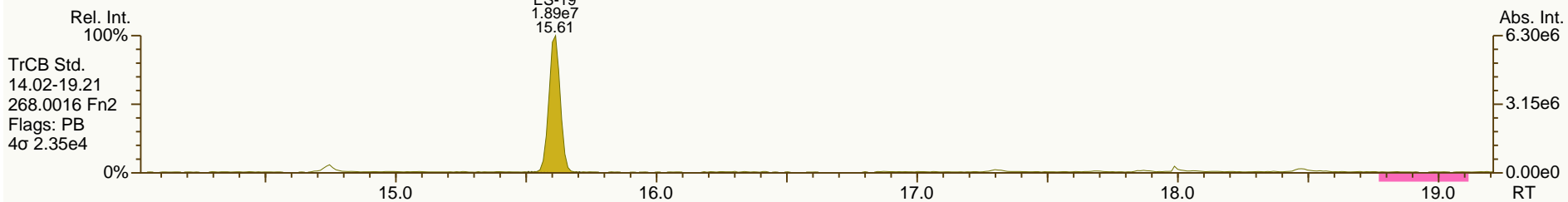
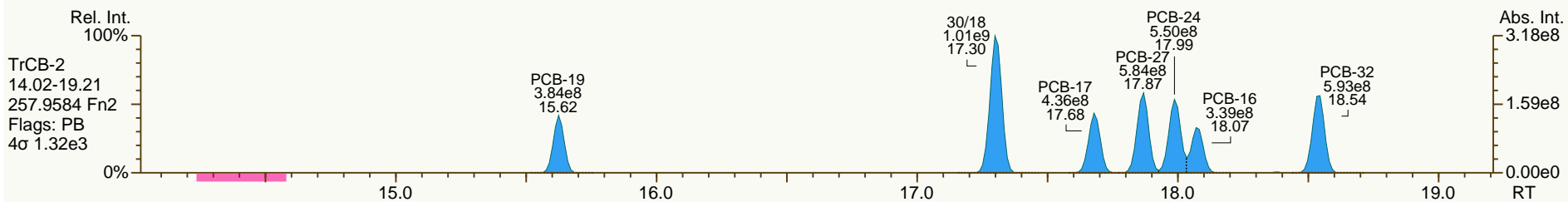
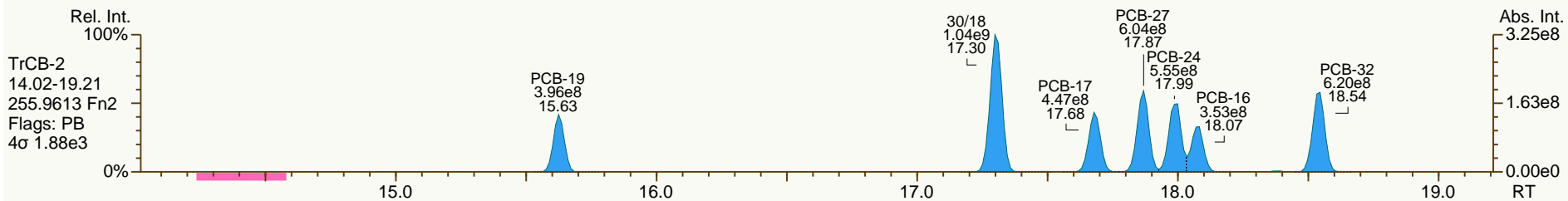
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

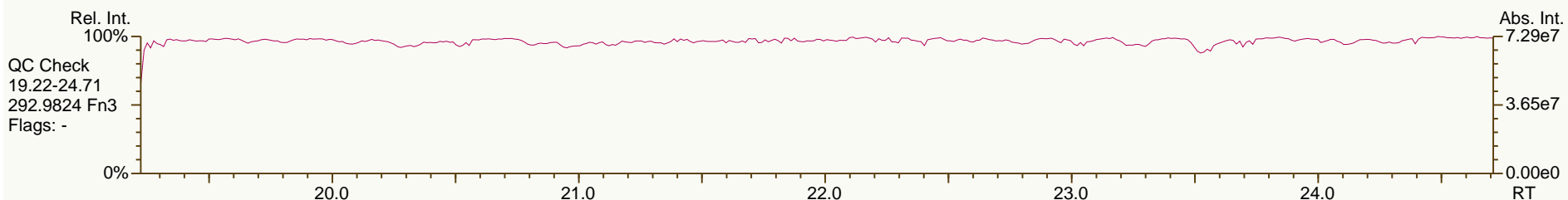
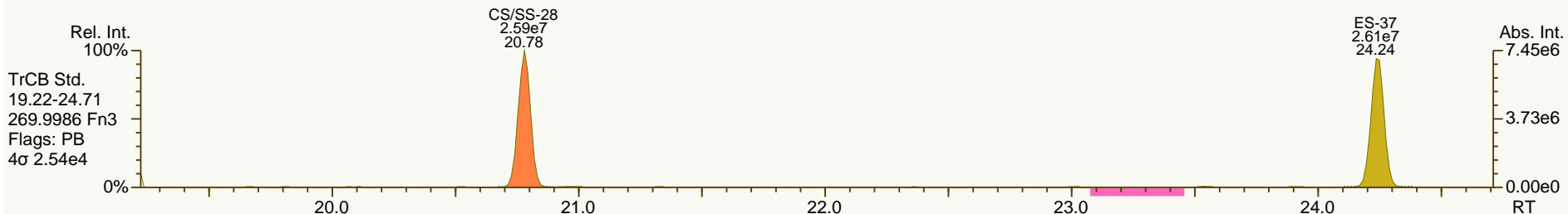
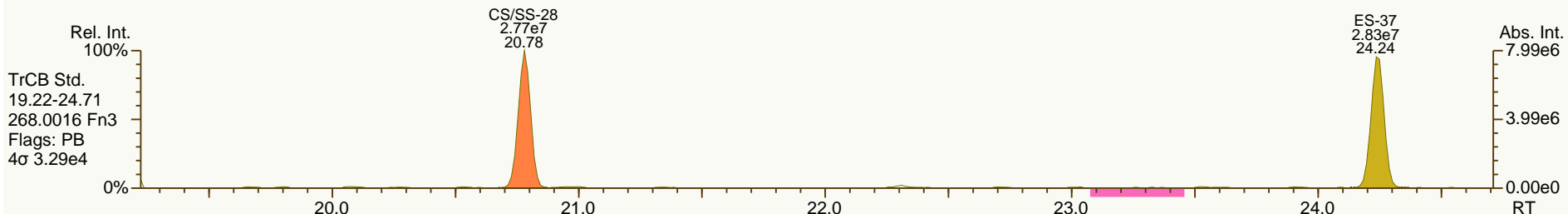
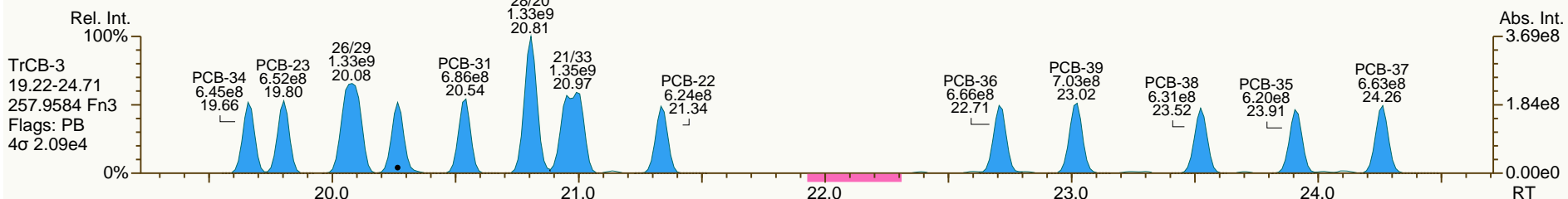
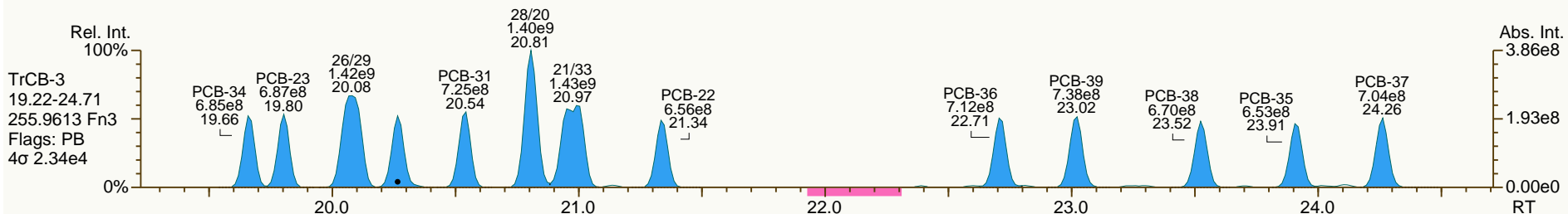
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

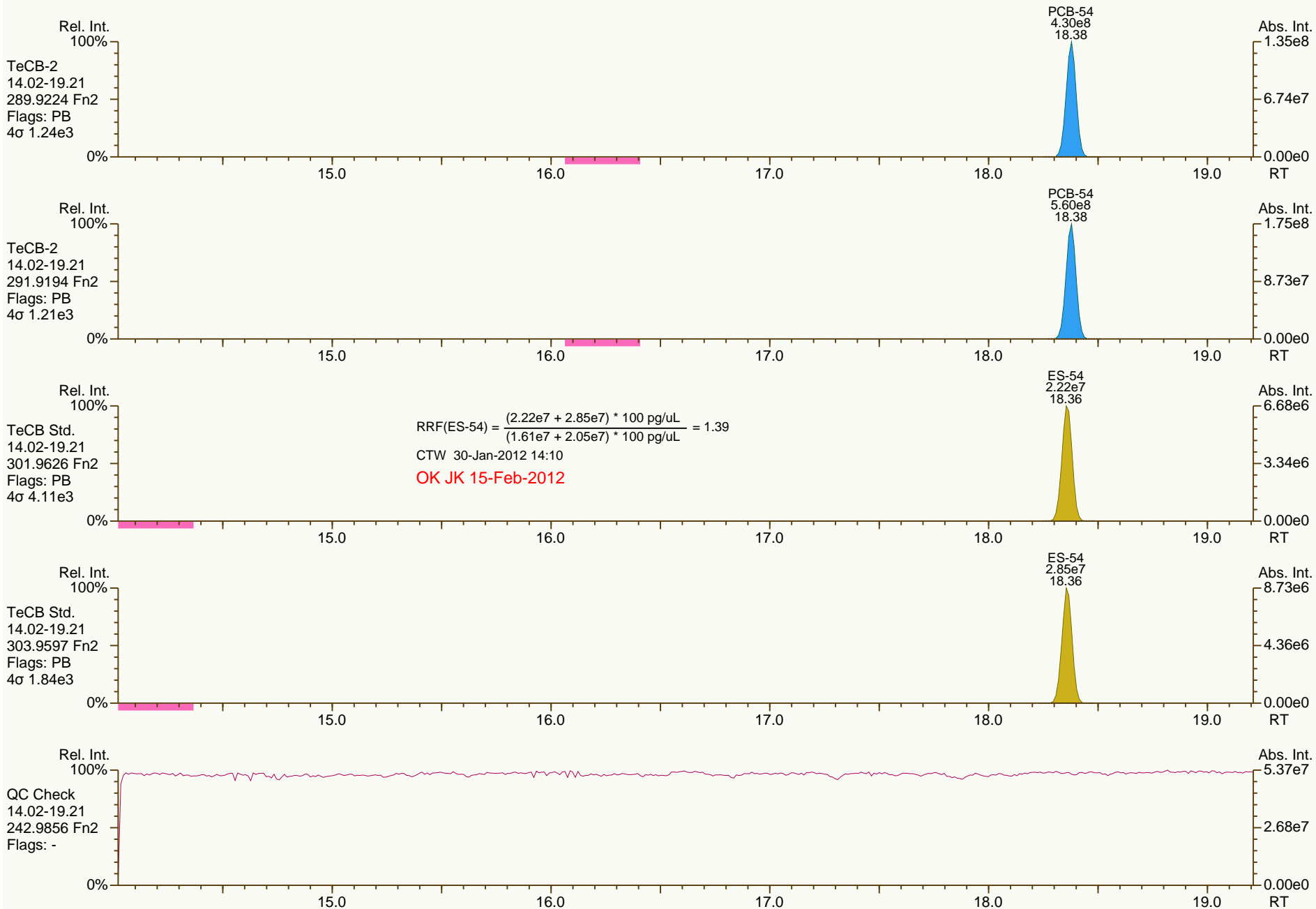
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

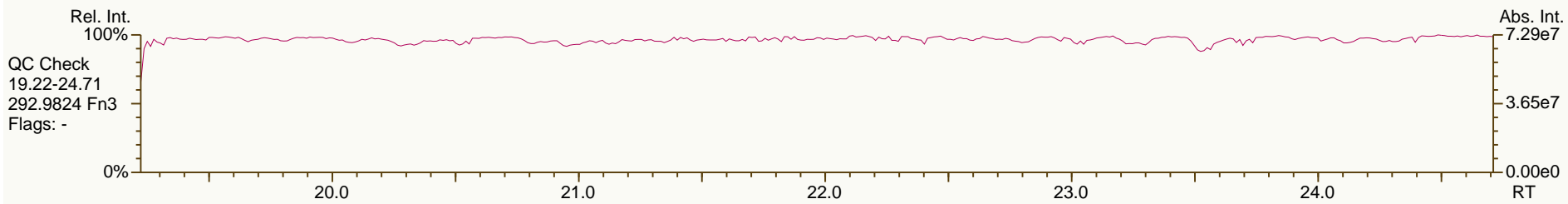
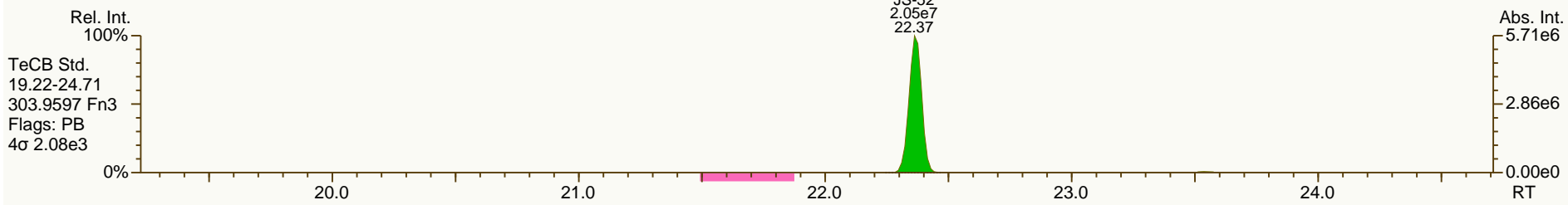
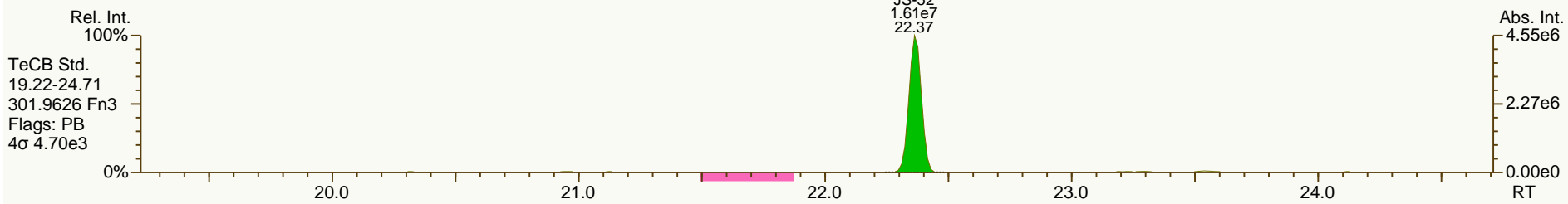
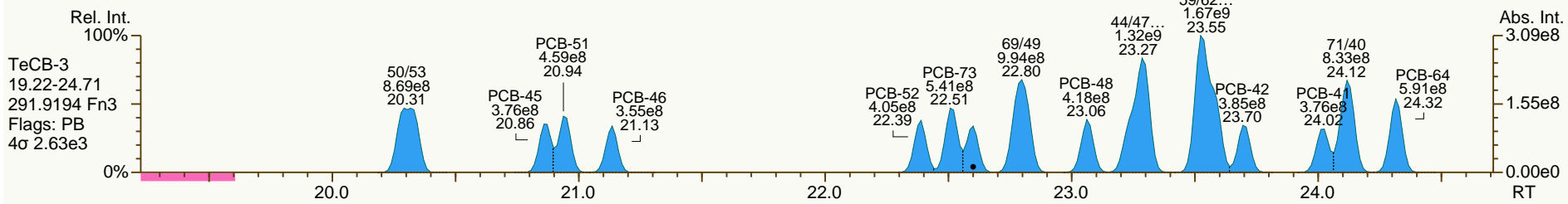
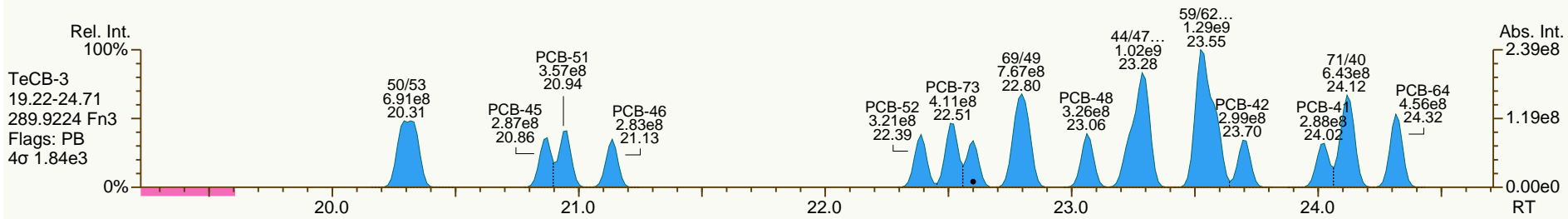
Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08

